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Report No.: 1503RSU02902
Report Version: V01
Issue Date: 06-17-2015

MEASUREMENT REPORT

FCC PART 15.407 WLAN 802.11a/n/ac

FCC ID: TK4WLE600VX

APPLICANT: Compex Systems Pte Ltd

Application Type: Certification

Product: 802.11ac Dual Band Module

Model No.: WLE600VX

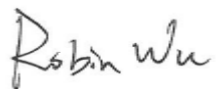
Brand Name: COMPEX


FCC Classification: Unlicensed National Information Infrastructure (UNII)

FCC Rule Part(s): Part 15.407

Test Procedure(s): ANSI C63.10-2013,
KDB 789033 D02 UNII Test Procedures v01,
KDB 662911 D01v02r01, KDB 644545 D03v01

Test Date: Mar. 16 ~ Jun. 17, 2015

Reviewed By : 
(Robin Wu)

Approved By : 
(Marlin Chen)



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in KDB 789033 D02v01. Test results reported herein relate only to the item(s) tested.

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Revision History

Report No.	Version	Description	Issue Date
1503RSU02902	Rev. 01	Initial report	06-17-2015

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§2.1033 General Information

Applicant:	Compex Systems Pte Ltd
Applicant Address:	135, Joo Seng Road, #08-01 Singapore 368363
Manufacturer:	Compex Systems Pte Ltd
Manufacturer Address:	135, Joo Seng Road, #08-01 Singapore 368363
Test Site:	MRT Technology (Suzhou) Co., Ltd
Test Site Address:	D8 Building, Youxin Industrial Park, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China
MRT FCC Registration No.:	809388
FCC Rule Part(s):	Part 15.407
Model No.:	WLE600VX
FCC ID:	TK4WLE600VX
Test Device Serial No.:	N/A <input type="checkbox"/> Production <input checked="" type="checkbox"/> Pre-Production <input type="checkbox"/> Engineering
FCC Classification:	Unlicensed National Information Infrastructure (UNII)

Test Facility / Accreditations

Measurements were performed at MRT Laboratory located in Tian'edang Rd., Suzhou, China.

- MRT facility is a FCC registered (MRT Reg. No. 809388) test facility with the site description report on file and has met all the requirements specified in Section 2.948 of the FCC Rules.
- MRT facility is an IC registered (MRT Reg. No. 11384A-1) test laboratory with the site description on file at Industry Canada.
- MRT facility is a VCCI registered (R-4179, G-814, C-4664, T-2206) test laboratory with the site description on file at VCCI Council.
- MRT Lab is accredited to ISO 17025 by the American Association for Laboratory Accreditation (A2LA) under the American Association for Laboratory Accreditation Program (A2LA Cert. No. 3628.01) in EMC, Telecommunications and Radio testing for FCC, Industry Canada, EU and TELEC Rules.



1. INTRODUCTION

1.1. Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Industry Canada Certification and Engineering Bureau.

1.2. MRT Test Location

The map below shows the location of the MRT LABORATORY, its proximity to the Taihu Lake. These measurement tests were conducted at the MRT Technology (Suzhou) Co., Ltd. Facility located at D8 Building, Youxin Industrial Park, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China. The detailed description of the measurement facility was found to be in compliance with the requirements of § 2.948 according to ANSI C63.4-2009 on September 30, 2013.



2. PRODUCT INFORMATION

2.1. Equipment Description

Product Name	802.11ac Dual Band Module
Model No.	WLE600VX
Frequency Range	For 802.11a/n-HT20: 5180~5320MHz, 5500~5700MHz, 5745~5825MHz For 802.11ac-VHT20: 5180~5320MHz, 5500~5720MHz, 5745~5825MHz For 802.11n-HT40: 5190~5310MHz, 5510~5670MHz, 5755~5795MHz For 802.11ac-VHT40: 5190~5310MHz, 5510~5710MHz, 5755~5795MHz For 802.11ac-VHT80: 5210MHz, 5290MHz, 5530MHz, 5610MHz, 5690MHz, 5775MHz
Maximum Output Power	802.11a: 21.71dBm 802.11n-HT20: 24.09dBm 802.11n-HT40: 22.93dBm 802.11ac-VHT20: 24.63dBm 802.11ac-VHT40: 22.87dBm 802.11ac-VHT80: 22.41dBm
Type of Modulation	802.11a/n/ac: OFDM

2.2. Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart E §15.407
- FCC KDB Publication No. 789033 D02 UNII Test Procedures v01
- ANSI C63.10-2013

Note:

1. All the test items were verified and recorded according to the standards and without any deviation during the test.
2. FCC permits the use of the 1.5 meter table as an alternative in ANSI C63.10-2013 through inquiry tracking number 198796.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B recorded in a separate report.

2.3. Operation Frequency / Channel list

802.11a/n-HT20

Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz
48	5240 MHz	52	5260 MHz	56	5280 MHz
60	5300 MHz	64	5320 MHz	100	5500 MHz
104	5520 MHz	108	5540 MHz	112	5560 MHz
116	5580 MHz	120	5600 MHz	124	5620 MHz
128	5640 MHz	132	5660 MHz	136	5680 MHz
140	5700 MHz	149	5745 MHz	153	5765 MHz
157	5785 MHz	161	5805 MHz	165	5825 MHz

802.11ac-VHT20

Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz
48	5240 MHz	52	5260 MHz	56	5280 MHz
60	5300 MHz	64	5320 MHz	100	5500 MHz
104	5520 MHz	108	5540 MHz	112	5560 MHz
116	5580 MHz	120	5600 MHz	124	5620 MHz
128	5640 MHz	132	5660 MHz	136	5680 MHz
140	5700 MHz	144	5720 MHz	149	5745 MHz
153	5765 MHz	157	5785 MHz	161	5805 MHz
165	5825 MHz	--	--	--	--

802.11n-HT40

Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	54	5270 MHz
62	5310 MHz	102	5510 MHz	110	5550 MHz
118	5590 MHz	126	5630 MHz	134	5670 MHz
151	5755 MHz	159	5795 MHz	--	--

802.11ac-VHT40

Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	54	5270 MHz
62	5310 MHz	102	5510 MHz	110	5550 MHz
118	5590 MHz	126	5630 MHz	134	5670 MHz
142	5710 MHz	151	5755 MHz	159	5795 MHz

802.11ac-VHT80

Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz	106	5530 MHz
122	5610 MHz	138	5690 MHz	155	5775 MHz

2.4. Description of Available Antennas


Antenna Type	Manufacturer	Tx Paths	Max Directional Gain (dBi)
Panel Antenna 1#	Compex Systems Pte Ltd	2	2.4GHz: 11.0
Panel Antenna 2#	Kenbotong Communication LTD	2	2.4GHz: 10.0 5GHz: 10.0
Panel Antenna 3#	Smart Ant Inc	2	2.4GHz: 7.0 5GHz: 7.0
Panel Antenna 4#	TAOGLAS Inc	2	2.4GHz: 4.5 5GHz: 6.7
Panel Antenna 5#	Compex Systems Pte Ltd	2	2.4GHz: 5.0 5GHz: 5.0
Panel Antenna 6#	Compex Systems Pte Ltd	2	2.4GHz: 5.0 5GHz: 5.0
Dipole Antenna 1#	Kunshan Wavelink Electronic Co., Ltd.	2	2.4GHz: 2.0 5GHz: 2.0

Note 1: The device didn't support transmit beam-forming mode and Cyclic Delay Diversity (CDD) mode, and the transmit signals are correlated, so no add array gain to the band power and band PSD.

Note 2: 5.725~5.850GHz bands use the max antenna gain 10dBi, 5.15~5.35GHz and 5.470~5.725GHz bands use the max antenna gain 7dBi which are declared by the applicant.

Note 3: We selected the panel antenna 2# & 3# and dipole antenna 1# for all radiated emission testing.

2.5. Description of Antenna RF Port

--	2.4/5GHz Antenna RF Port	
	2.4/5GHz	2.4/5GHz
Software Control Port	Ant 0	Ant 1
<p style="text-align: center;">Antenna RF Port Plot</p> 		

2.6. Test Mode

Test Mode	Mode 1: Transmit by 802.11a
	Mode 2: Transmit by 802.11n-HT20
	Mode 3: Transmit by 802.11n-HT40
	Mode 4: Transmit by 802.11ac-VHT20
	Mode 5: Transmit by 802.11ac-VHT40
	Mode 6: Transmit by 802.11ac-VHT80

2.7. Test Software

The test utility software used during testing were “ART2-GUI Version: 2.3” and “CART Version: 4.9”.
Final Power Parameter Value of the test software.

Test Mode	Test Frequency	Power Parameter Value		
		Ant 0	Ant 1	Ant 0 + 1
Dipole Antenna 1#				
802.11a	5180	18.0	18.0	Not Support
	5220	20.0	19.0	
	5240	20.0	19.5	
	5260	20.0	20.0	
	5300	20.0	20.0	
	5320	18.5	18.5	
	5500	20.0	20.0	
	5600	20.0	20.0	
	5700	19.0	20.0	
	5745	16.5	20.0	
	5785	20.0	20.0	
	5825	20.0	20.0	
802.11n-HT20	5180	18.0	17.5	17.0
	5220	20.0	20.0	17.0
	5240	20.0	20.0	16.5
	5260	20.0	20.0	18.5
	5300	20.0	20.0	18.5
	5320	18.5	18.5	18.5
	5500	20.0	20.0	19.0
	5600	20.0	20.0	20.0
	5700	18.0	20.0	18.5
	5745	16.5	17.5	18.5
	5785	20.0	20.0	20.0
	5825	19.5	20.0	20.0
802.11n-HT40	5190	15.5	16.5	15.0
	5230	20.0	20.0	18.0
	5270	20.0	20.0	20.0
	5310	15.5	16.5	14.5
	5510	19.5	20.0	18.0
	5590	20.0	20.0	20.0

	5670	20.0	20.0	20.0
	5755	16.5	18.0	16.0
	5795	20.0	20.0	20.0
802.11ac-VHT20	5180	18.0	18.5	17.0
	5220	20.0	19.5	17.0
	5240	20.0	20.0	16.5
	5260	20.0	20.0	19.0
	5300	20.0	20.0	20.0
	5320	18.5	18.5	17.0
	5500	20.0	20.0	18.0
	5600	20.0	20.0	20.0
	5700	18.0	20.0	17.0
	5720	20.0	20.0	20.0
	5745	16.5	17.5	18.0
	5785	20.0	20.0	20.0
	5825	19.5	20.0	20.0
802.11ac-VHT40	5190	15.0	16.0	14.0
	5230	20.0	20.0	18.0
	5270	20.0	20.0	20.0
	5310	15.0	16.0	14.0
	5510	20.0	19.5	17.0
	5590	20.0	20.0	20.0
	5670	20.0	20.0	20.0
	5710	20.0	20.0	20.0
	5755	16.5	17.5	16.0
	5795	20.0	20.0	20.0
802.11ac-VHT80	5210	15.0	15.0	13.5
	5290	15.0	15.5	13.5
	5530	15.5	15.0	18.0
	5610	20.0	20.0	20.0
	5690	20.0	20.0	20.0
	5775	14.0	18.0	12.0

Test Mode	Test Frequency	Power Parameter Value		
		Ant 0	Ant 1	Ant 0 + 1
Panel Antenna 1#				
802.11a	5180	18.0	18.5	Not Support
	5220	20.0	20.0	
	5240	20.0	20.0	
	5260	20.0	20.0	
	5300	20.0	20.0	
	5320	18.5	17.5	
	5500	20.0	20.0	
	5600	20.0	20.0	
	5700	16.5	16.5	
	5745	15.5	14.5	
	5785	19.0	20.0	
	5825	18.5	19.5	
802.11n-HT20	5180	18.0	18.0	15.5
	5220	20.0	20.0	18.0
	5240	20.0	20.0	20.0
	5260	20.0	20.0	18.0
	5300	20.0	20.0	18.0
	5320	17.0	17.5	16.0
	5500	17.0	20.0	20.0
	5600	20.0	20.0	19.0
	5700	16.5	15.5	14.5
	5745	16.0	14.5	15.0
	5785	20.0	20.0	14.0
	5825	19.0	17.5	18.5
802.11n-HT40	5190	14.0	14.5	13.5
	5230	20.0	20.0	17.0
	5270	20.0	20.0	14.0
	5310	14.5	14.0	13.0
	5510	15.5	17.0	12.0
	5590	20.0	20.0	20.0
	5670	20.0	18.5	18.0
	5755	16.0	14.0	14.0
	5795	20.0	19.0	19.0
802.11ac-	5180	18.0	18.0	16.5

VHT20	5220	19.5	19.5	20.0
	5240	20.0	20.0	20.0
	5260	20.0	20.0	19.0
	5300	20.0	20.0	20.0
	5320	18.0	17.5	16.5
	5500	20.0	20.0	17.0
	5600	20.0	20.0	20.0
	5700	17.0	18.0	14.5
	5720	20.0	20.0	20.0
	5745	16.0	17.0	14.5
	5785	20.0	20.0	14.5
	5825	19.0	18.5	18.5
802.11ac- VHT40	5190	14.0	14.5	13.5
	5230	18.0	19.0	17.0
	5270	20.0	20.0	20.0
	5310	14.0	14.0	13.0
	5510	15.5	18.5	12.5
	5590	20.0	20.0	20.0
	5670	20.0	19.5	18.5
	5710	20.0	20.0	20.0
	5755	15.5	15.0	14.0
	5795	20.0	20.0	19.0
802.11ac- VHT80	5210	13.0	14.0	12.0
	5290	13.0	13.5	11.0
	5530	13.0	14.5	12.0
	5610	20.0	20.0	19.0
	5690	20.0	20.0	19.0
	5775	12.5	13.0	9.5

Note: We use the max power parameter value to test during the process of the Occupied Bandwidth & Output Power & TPC & Power Density testing.

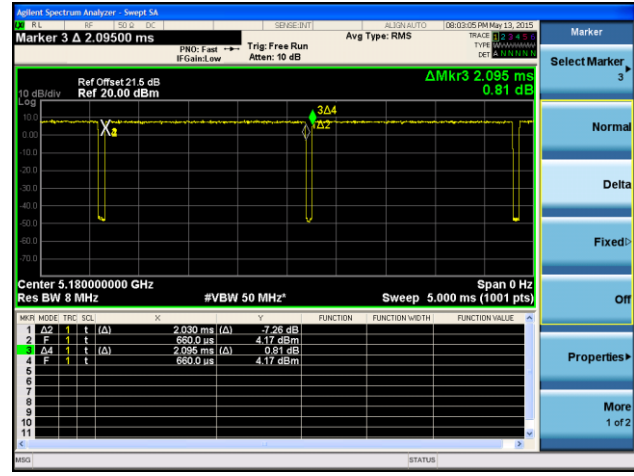
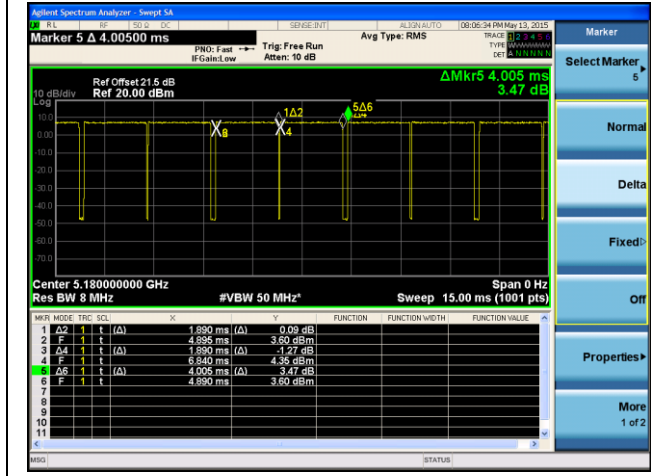
2.8. Device Capabilities

This device contains the following capabilities:

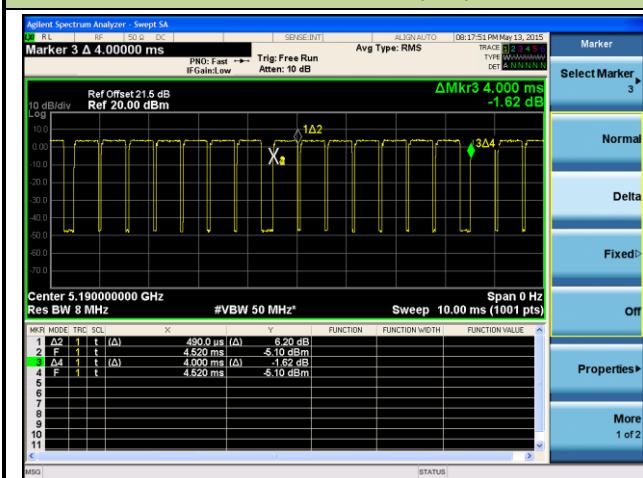
2.4GHz WLAN (DTS) and 5GHz WLAN (UNII).

Note: 5GHz (NII) operation is possible in 20MHz, 40MHz and 80MHz channel bandwidths. The maximum achievable duty cycles for all modes were determined based on measurements performed on a spectrum analyzer in zero-span mode with RBW = 8MHz, VBW = 50MHz, and detector = average per the guidance of Section B)2)b) of KDB 789033 D02v01. The RBW and VBW were both greater than 50/T, where T is the minimum transmission duration, and the number of sweep points across T was greater than 100. The duty cycles are as follows:

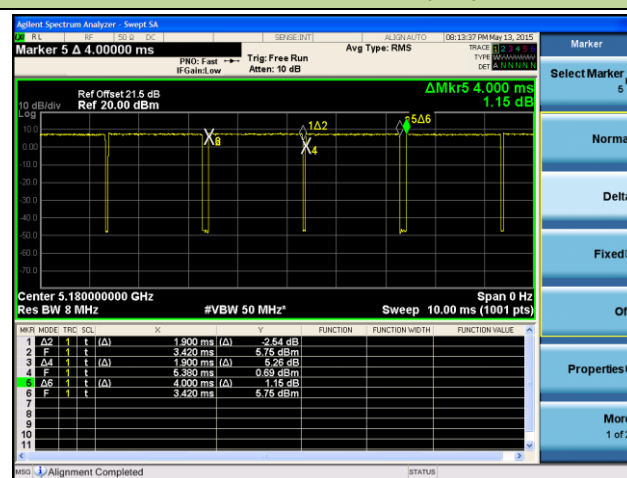
Test Mode	Duty Cycle	Transmission Duration (T) (ms)
802.11a	96.9%	2.03
802.11n-HT20	94.4%	3.78
802.11n-HT40	85.8%	3.43
802.11ac-VHT20	95.0%	3.80
802.11ac-VHT40	93.5%	0.94
802.11ac-VHT80	80.0%	0.25

802.11a – Duty Cycle	802.11n-HT20 – Duty Cycle
	

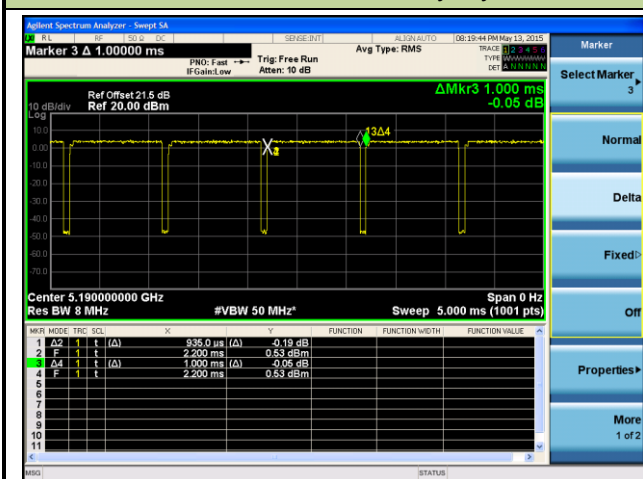
802.11n-HT40 – Duty Cycle



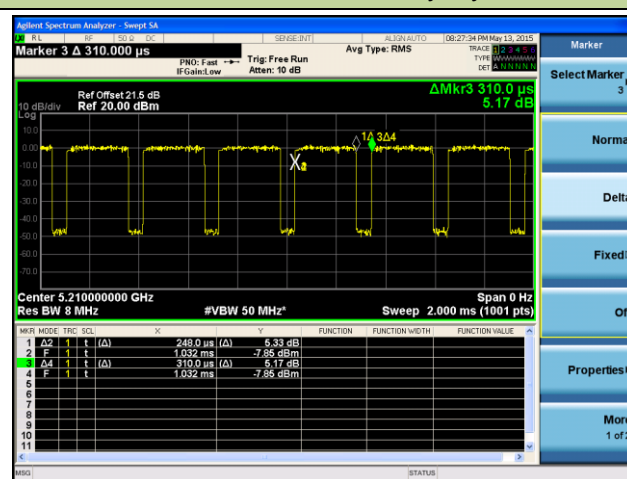
802.11ac-VHT20 – Duty Cycle



802.11ac-VHT40 – Duty Cycle



802.11ac-VHT80 – Duty Cycle



Note: Due to hardware limitations of the EUT, continuous transmission (at least 98 percent duty cycle) can't be achieved which was declared by the applicant.

2.9. Test Configuration

The **802.11ac Dual Band Module FCC ID: TK4WLE600VX** was tested per the guidance of KDB 789033 D02v01. ANSI C63.10-2013 was used to reference the appropriate EUT setup for radiated spurious emissions testing and AC line conducted testing.

2.10. EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and/or no modifications were made during testing.

2.11. Labeling Requirements

Per 2.1074 & 15.19; Docket 95-19

The label shall be permanently affixed at a conspicuous location on the device; instruction manual or pamphlet supplied to the user and be readily visible to the purchaser at the time of purchase.

However, when the device is so small wherein placement of the label with specified statement is not practical, only the trade name and FCC ID must be displayed on the device per Section 15.19(a)(5).

Please see attachment for FCC ID label and label location.

3. DESCRIPTION OF TEST

3.1. Evaluation Procedure

The measurement procedures described in the American National Standard for Testing Unlicensed Wireless Devices (ANSI C63.10-2013), and the guidance provided in KDB 789033 D02v01 were used in the measurement of the **802.11ac Dual Band Module FCC ID: TK4WLE600VX**.

Deviation from measurement procedure.....None

3.2. AC Line Conducted Emissions

The line-conducted facility is located inside an 8'x4'x4' shielded enclosure. A 1m x 2m wooden table 80cm high is placed 40cm away from the vertical wall and 80cm away from the sidewall of the shielded room. Two 10kHz-30MHz, 50Ω/50uH Line-Impedance Stabilization Networks (LISNs) are bonded to the shielded room floor. Power to the LISNs is filtered by external high-current high-insertion loss power line filters. These filters attenuate ambient signal noise from entering the measurement lines. These filters are also bonded to the shielded enclosure.

The EUT is powered from one LISN and the support equipment is powered from the second LISN. All interconnecting cables more than 1 meter were shortened to a 1 meter length by non-inductive bundling (serpentine fashion) and draped over the back edge of the test table. All cables were at least 40cm above the horizontal reference ground-plane. Power cables for support equipment were routed down to the second LISN while ensuring that that cables were not draped over the second LISN.

Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the receiver and exploratory measurements were made to determine the frequencies producing the maximum emission from the EUT. The receiver was scanned from 150kHz to 30MHz. The detector function was set to peak mode for exploratory measurements while the bandwidth of the analyzer was set to 9kHz. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Each emission was also maximized by varying: power lines, the mode of operation or data exchange speed, or support equipment whichever determined the worst-case emission. Once the worst case emissions have been identified, the one EUT cable configuration/arrangement and mode of operation that produced these emissions are used for final measurements on the same test site. The analyzer is set to CISPR quasi-peak and average detectors with a 9kHz resolution bandwidth for final measurements.

An extension cord was used to connect to a single LISN which powered by EUT. The extension cord was calibrated with LISN, the impedance and insertion loss are compliance with the requirements as stated in ANSI C63.10-2013.

Line conducted emissions test results are shown in Section 7.10.

3.3. Radiated Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. For measurements above 1GHz absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections. For measurements below 1GHz, the absorbers are removed. A MF Model 210SS turntable is used for radiated measurement. It is a continuously rotatable, remote controlled, metallic turntable and 2 meters (6.56 ft.) in diameter. The turn table is flush with the raised floor of the chamber in order to maintain its function as a ground plane. An 80cm high PVC support structure is placed on top of the turntable.

For all measurements, the spectrum was scanned through all EUT azimuths and from 1 to 4 meter receive antenna height using a broadband antenna from 30MHz up to the upper frequency shown in 15.33(b)(1) depending on the highest frequency generated or used in the device or on which the device operates or tunes. For frequencies above 1GHz, linearly polarized double ridge horn antennas were used. For frequencies below 30MHz, a calibrated loop antenna was used. When exploratory measurements were necessary, they were performed at 1 meter test distance inside the semi-anechoic chamber using broadband antennas, broadband amplifiers, and spectrum analyzers to determine the frequencies and modes producing the maximum emissions. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The test set-up for frequencies below 1GHz was placed on top of the 0.8 meter high, 1 x 1.5 meter table; and test set-up for frequencies 1-40GHz was placed on top of the 1.5 meter high, 1 x 1.5 meter table. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Appropriate precaution was taken to ensure that all emissions from the EUT were maximized and investigated. The system configuration, clock speed, mode of operation or video resolution, if applicable, turntable azimuth, and receive antenna height was noted for each frequency found.

Final measurements were made in the semi-anechoic chamber using calibrated, linearly polarized broadband and horn antennas. The test setup was configured to the setup that produced the worst case emissions. The spectrum analyzer was set to investigate all frequencies required for testing to compare the highest radiated disturbances with respect to the specified limits. The turntable containing the EUT was rotated through 360 degrees and the height of the receive antenna was varied 1 to 4 meters and stopped at the azimuth and height producing the maximum emission. Each emission was maximized by changing the orientation of the EUT through three orthogonal planes and changing the polarity of the receive antenna, whichever produced the worst-case emissions. According to 3dB Beam-Width of horn antenna, the horn antenna should be always directed to the EUT when rising height.

4. ANTENNA REQUIREMENTS

Excerpt from §15.203 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- The antenna of the **802.11ac Dual Band Module** uses a unique connector.

Antenna Type	Antenna Connector Type
Panel Antenna 1#	IPEX connector
Panel Antenna 2#	Inverted connector
Panel Antenna 3#	Inverted connector
Panel Antenna 4#	IPEX connector
Panel Antenna 5#	IPEX connector
Panel Antenna 6#	IPEX connector
Dipole Antenna 1#	IPEX connector

Conclusion:

The **802.11ac Dual Band Module FCC ID: TK4WLE600VX** unit complies with the requirement of §15.203.

5. TEST EQUIPMENT CALIBRATION DATE

Conducted Emissions

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR7	MRTSUE06001	1 year	2015/11/07
Two-Line V-Network	R&S	ENV216	MRTSUE06002	1 year	2015/11/07
Two-Line V-Network	R&S	ENV216	MRTSUE06003	1 year	2015/11/07
Temperature/ Meter Humidity	Anymetre	TH101B	MRTSUE06045	1 year	2015/11/14

Radiated Emission

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Spectrum Analyzer	Agilent	E4447A	MRTSUE06028	1 year	2015/10/09
EMI Test Receiver	R&S	ESR7	MRTSUE06001	1 year	2015/11/07
Preamplifier	Schwarzbeck	AP18G40	MRTSUE06121	1 year	2016/04/15
Preamplifier	Agilent	83017A	MRTSUE06019	1 year	2015/12/13
Loop Antenna	Schwarzbeck	FMZB1519	MRTSUE06025	1 year	2015/11/08
TRILOG Antenna	Schwarzbeck	VULB9162	MRTSUE06022	1 year	2015/11/08
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	MRTSUE06023	1 year	2015/11/08
Broadband Horn Antenna	Schwarzbeck	BBHA9170	MRTSUE06024	1 year	2016/01/05
Temperature/Humidity Meter	Anymetre	TH101B	MRTSUE06048	1 year	2015/11/14

Conducted Test Equipment

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Spectrum Analyzer	Agilent	N9020A	MRTSUE06106	1 year	2016/04/23
USB Wideband Power Sensor	Boonton	55006	MRTSUE06109	1 year	2015/10/15
Temperature/Humidity Meter	Anymetre	TH101B	MRTSUE06046	1 year	2015/11/14

Software	Version	Function
e3	V8.3.5	EMI Test Software

6. MEASUREMENT UNCERTAINTY

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

AC Conducted Emission Measurement
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 150kHz~30MHz: 3.46dB
Radiated Emission Measurement
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 9kHz ~ 1GHz: 4.18dB 1GHz ~ 40GHz: 4.76dB

7. TEST RESULT

7.1. Summary

Company Name: Compex Systems Pte Ltd
FCC ID: TK4WLE600VX
FCC Classification: Unlicensed National Information Infrastructure (UNII)
Data Rate(s) Tested: 6Mbps ~ 54Mbps (a);
6.5/7.2Mbps ~ 130/144.4Mbps (n-HT20MHz BW);
13.5/15Mbps ~ 270/300Mbps (n-HT40MHz BW);
6.5/7.2Mbps ~ 156/173.4Mbps (ac-VHT20MHz BW);
13.5/15Mbps ~ 360/400Mbps (ac-VHT40MHz BW);
29.3/32.5Mbps ~ 780/866.6Mbps (ac-VHT80MHz BW)

FCC Part Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
15.407(a)	26dB Bandwidth	N/A	Conducted	Pass	Section 7.2
15.407(e)	6dB Bandwidth	$\geq 500\text{kHz}$		Pass	Section 7.3
15.407(a)(1)(ii), (2), (3)	Maximum Conducted Output Power	$\leq 24\text{ dBm U-NII-1}$ $\leq 24\text{ dBm U-NII-2A}$ $\leq 24\text{ dBm U-NII-2C}$ $\leq 30\text{ dBm U-NII-3}$		Pass	Section 7.4
15.407(h)(1)	Transmit Power Control	$\leq 24\text{ dBm}$		Pass	Section 7.5
15.407(a)(1)(ii), (2), (3), (5)	Peak Power Spectral Density	$\leq 11\text{ dBm/MHz U-NII-1}$ $\leq 11\text{ dBm/MHz U-NII-2A}$ $\leq 11\text{ dBm/MHz U-NII-2C}$ $\leq 30\text{ dBm/500kHz U-NII-3}$		Pass	Section 7.6
15.407(g)	Frequency Stability	N/A		Pass	Section 7.7
15.407(b)(1), (2), (3), (4)	Undesirable Emissions	$\leq -27\text{dBm/MHz EIRP}$ $\leq -17\text{dBm/MHz EIRP}$	Radiated	Pass	Section 7.8 & 7.9
15.205, 15.209 15.407(b)(5), (6), (7)	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Emissions in restricted bands must meet the radiated limits detailed in 15.209		Pass	
15.207	AC Conducted Emissions 150kHz - 30MHz	< FCC 15.207 limits	Line Conducted	Pass	Section 7.10

Notes:

- 1) All channels, modes, and modulations/data rates were investigated among all UNII bands. For radiated emission test, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst case emissions.
- 2) The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
- 3) All antenna port conducted emissions testing was performed on a test bench with the antenna port of the EUT connected to the spectrum analyzer through calibrated cables and attenuators.

7.2. 26dB Bandwidth Measurement

7.2.1. Test Limit

N/A

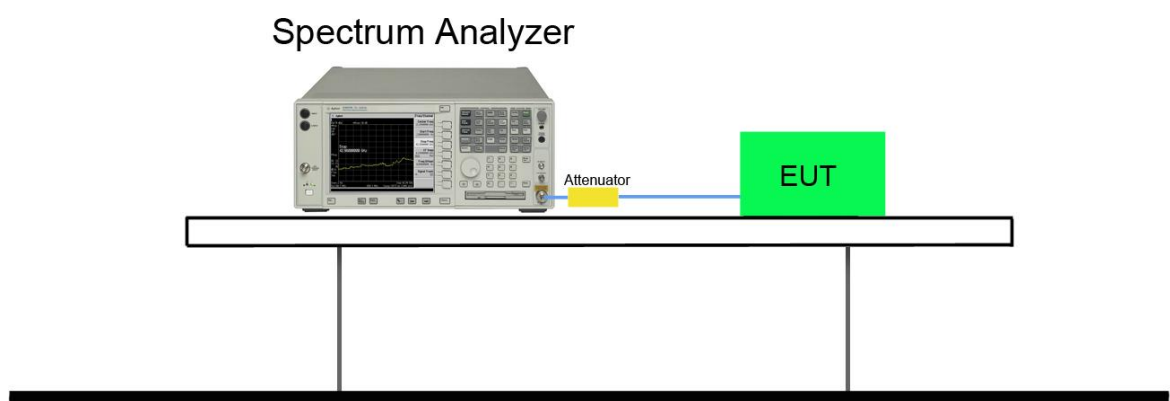
7.2.2. Test Procedure used

KDB 789033 D02v01 – Section C.1

7.2.3. Test Setting

1. The analyzers' automatic bandwidth measurement capability was used to perform the 26dB bandwidth measurement. The "X" dB bandwidth parameter was set to $X = 26$. The automatic bandwidth measurement function also has the capability of simultaneously measuring the 99% occupied bandwidth. The bandwidth measurement was not influenced by any intermediated power nulls in the fundamental emission.
2. RBW = approximately 1% of the emission bandwidth.
3. VBW $\geq 3 \times$ RBW.
4. Detector = Peak.
5. Trace mode = max hold.

7.2.4. Test Setup



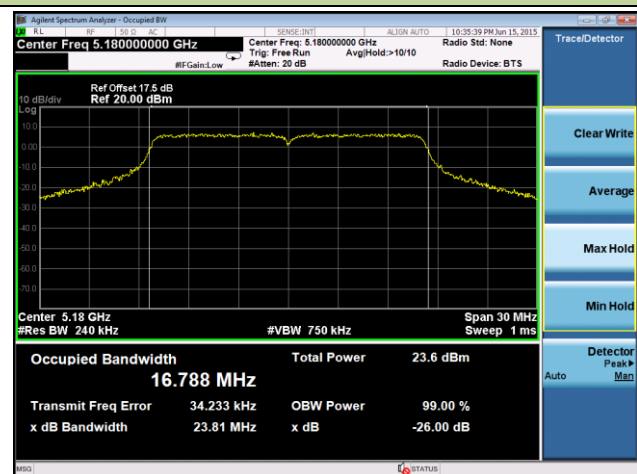
7.2.5. Test Result

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	Result
802.11a	6	36	5180	23.81	16.79	Pass
802.11a	6	44	5220	25.33	16.83	Pass
802.11a	6	48	5240	26.51	16.81	Pass
802.11a	6	52	5260	25.47	16.82	Pass
802.11a	6	60	5300	25.66	16.81	Pass
802.11a	6	64	5320	24.07	16.79	Pass
802.11a	6	100	5500	22.55	16.75	Pass
802.11a	6	120	5600	22.99	16.71	Pass
802.11a	6	140	5700	23.82	16.72	Pass
802.11a	6	149	5745	23.27	16.76	Pass
802.11a	6	157	5785	25.82	16.87	Pass
802.11a	6	165	5825	25.03	16.80	Pass
802.11n-HT20	13	36	5180	25.58	17.92	Pass
802.11n-HT20	13	44	5220	25.70	17.91	Pass
802.11n-HT20	13	48	5240	24.42	17.89	Pass
802.11n-HT20	13	52	5260	24.51	17.90	Pass
802.11n-HT20	13	60	5300	24.45	17.90	Pass
802.11n-HT20	13	64	5320	24.92	17.91	Pass
802.11n-HT20	13	100	5500	23.80	17.84	Pass
802.11n-HT20	13	120	5600	23.81	17.84	Pass
802.11n-HT20	13	140	5700	23.95	17.87	Pass
802.11n-HT20	13	149	5745	23.65	17.87	Pass
802.11n-HT20	13	157	5785	23.77	17.85	Pass
802.11n-HT20	13	165	5825	23.49	17.87	Pass
802.11n-HT40	27	38	5190	45.25	36.52	Pass
802.11n-HT40	27	46	5230	47.82	36.51	Pass
802.11n-HT40	27	54	5270	47.89	36.53	Pass
802.11n-HT40	27	62	5310	47.72	36.55	Pass
802.11n-HT40	27	102	5510	45.10	36.53	Pass
802.11n-HT40	27	118	5590	45.68	36.55	Pass
802.11n-HT40	27	134	5670	45.11	36.49	Pass
802.11n-HT40	27	151	5755	45.47	36.47	Pass
802.11n-HT40	27	159	5795	46.78	36.52	Pass

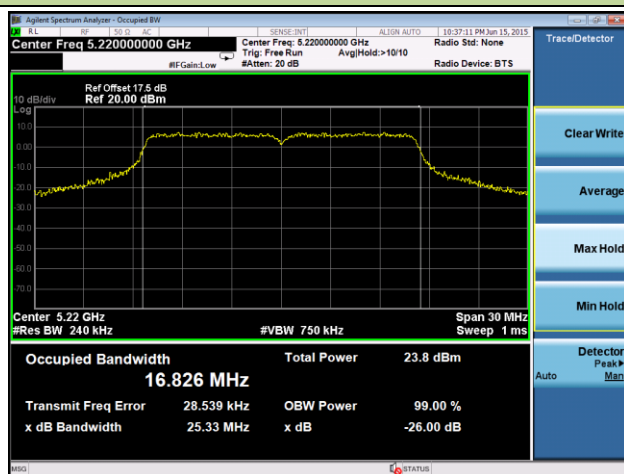
802.11ac-VHT20	13	36	5180	24.12	17.87	Pass
802.11ac-VHT20	13	44	5220	25.14	17.91	Pass
802.11ac-VHT20	13	48	5240	25.54	17.92	Pass
802.11ac-VHT20	13	52	5260	24.38	17.92	Pass
802.11ac-VHT20	13	60	5300	25.20	17.91	Pass
802.11ac-VHT20	13	64	5320	25.11	17.93	Pass
802.11ac-VHT20	13	100	5500	25.51	17.93	Pass
802.11ac-VHT20	13	120	5600	23.75	17.84	Pass
802.11ac-VHT20	13	140	5700	23.71	17.83	Pass
802.11ac-VHT20	13	144	5720	23.54	17.86	Pass
802.11ac-VHT20	13	149	5745	23.42	17.84	Pass
802.11ac-VHT20	13	157	5785	23.42	17.82	Pass
802.11ac-VHT20	13	165	5825	23.32	17.85	Pass
802.11ac-VHT40	27	38	5190	46.61	36.59	Pass
802.11ac-VHT40	27	46	5230	46.30	36.56	Pass
802.11ac-VHT40	27	54	5270	47.03	36.59	Pass
802.11ac-VHT40	27	62	5310	45.53	36.56	Pass
802.11ac-VHT40	27	102	5510	47.50	36.65	Pass
802.11ac-VHT40	27	118	5590	46.76	36.62	Pass
802.11ac-VHT40	27	134	5670	45.88	36.59	Pass
802.11ac-VHT40	27	142	5710	45.61	36.55	Pass
802.11ac-VHT40	27	151	5755	44.87	36.53	Pass
802.11ac-VHT40	27	159	5795	46.01	36.54	Pass
802.11ac-VHT80	58.6	42	5210	88.73	76.21	Pass
802.11ac-VHT80	58.6	58	5290	90.55	76.25	Pass
802.11ac-VHT80	58.6	106	5530	87.88	76.29	Pass
802.11ac-VHT80	58.6	122	5610	99.72	76.30	Pass
802.11ac-VHT80	58.6	138	5690	87.67	76.56	Pass
802.11ac-VHT80	58.6	155	5775	87.67	76.22	Pass

802.11a 26dB Bandwidth & 99% Bandwidth

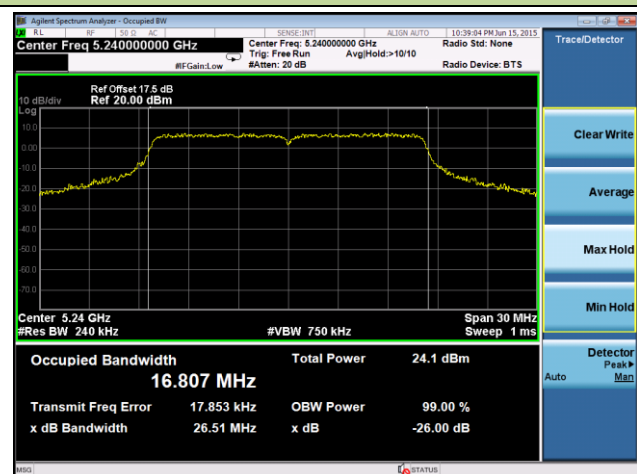
Channel 36 (5180MHz)



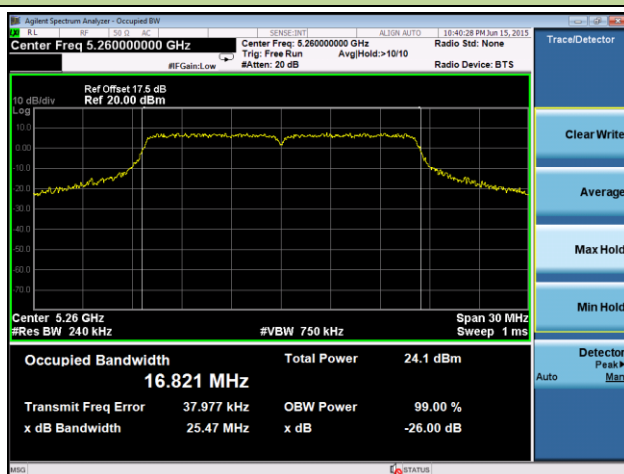
Channel 44 (5220MHz)



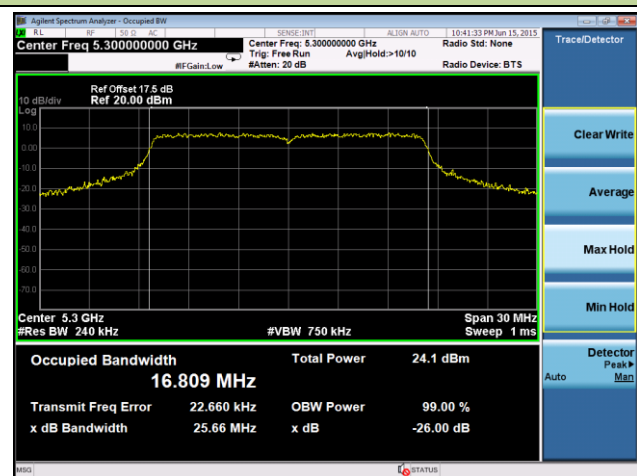
Channel 48 (5240MHz)



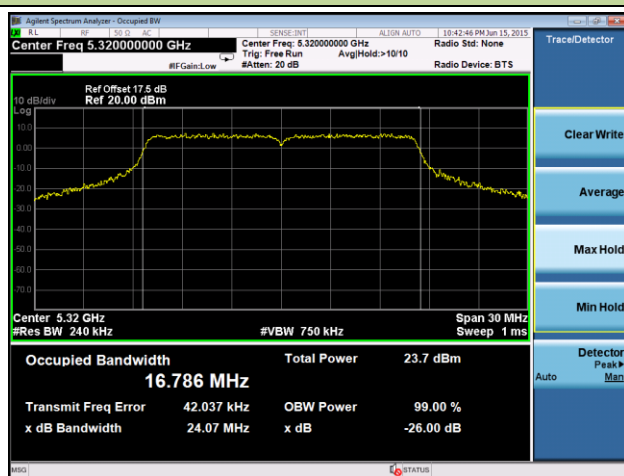
Channel 52 (5260MHz)



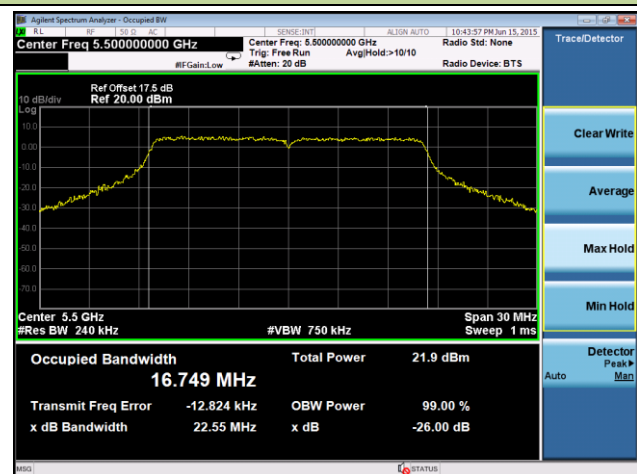
Channel 60 (5300MHz)



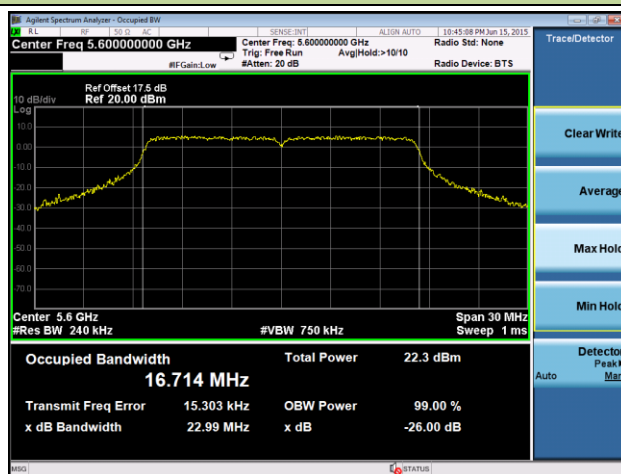
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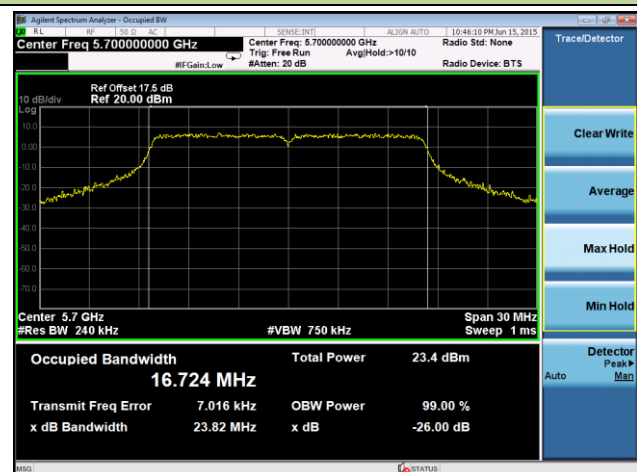
Channel 100 (5500MHz)



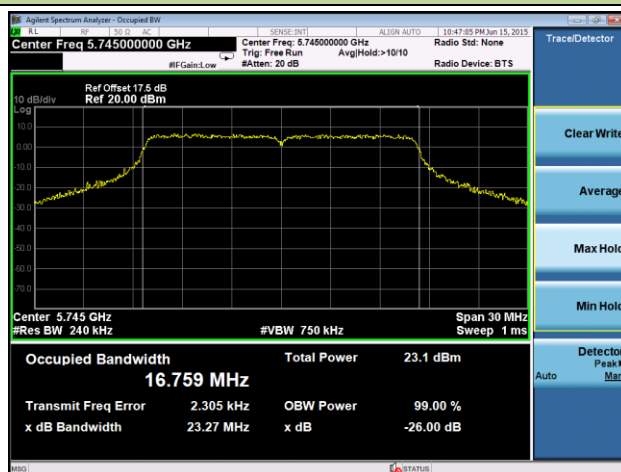
Channel 120 (5600MHz)



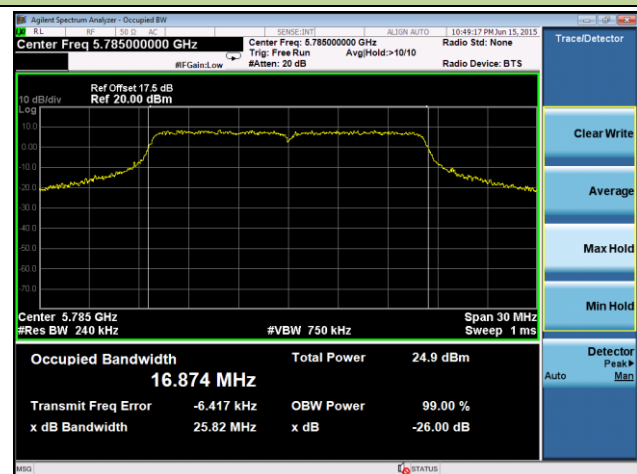
Channel 140 (5700MHz)



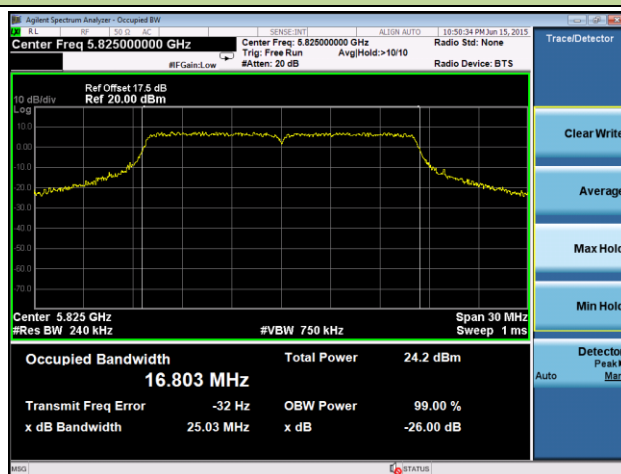
Channel 149 (5745MHz)



Channel 157 (5785MHz)

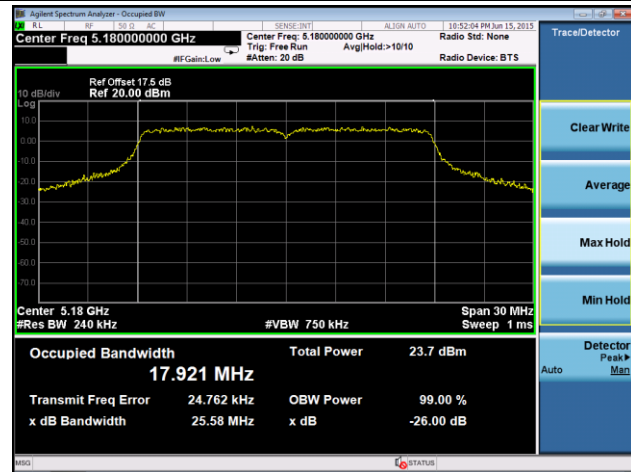


Channel 165 (5825MHz)

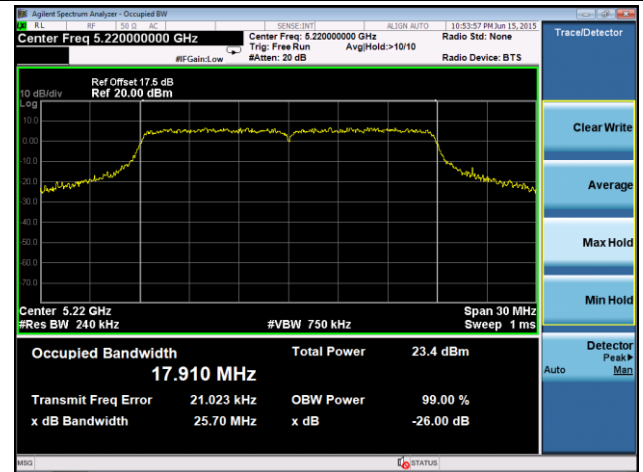


802.11n-HT20 26dB Bandwidth & 99% Bandwidth

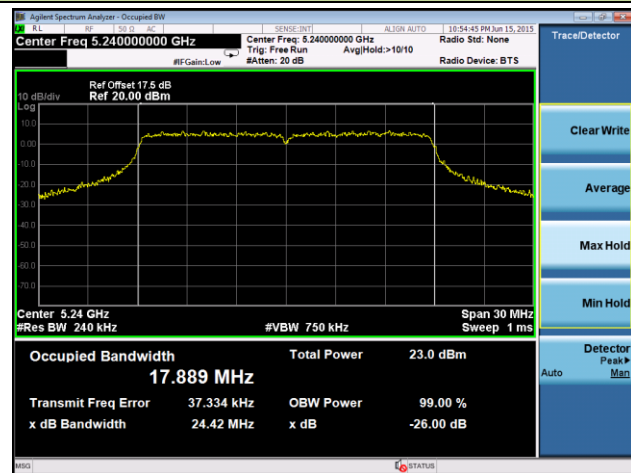
Channel 36 (5180MHz)



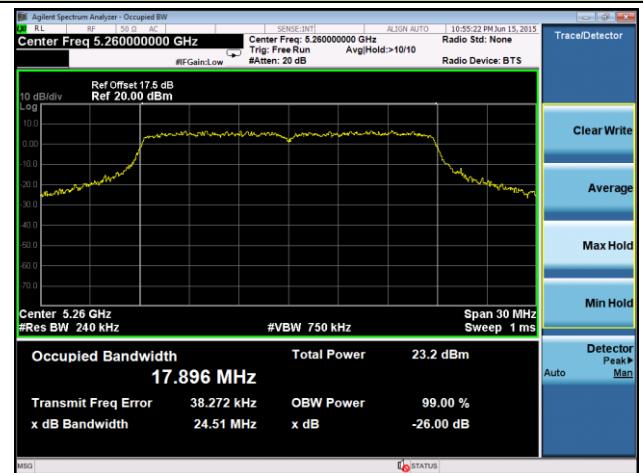
Channel 44 (5220MHz)



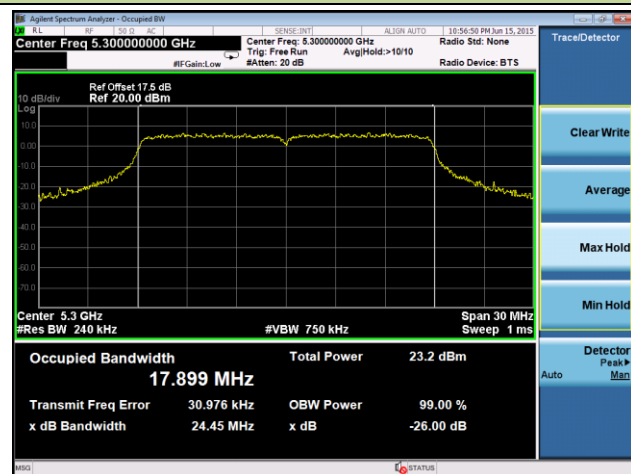
Channel 48 (5240MHz)



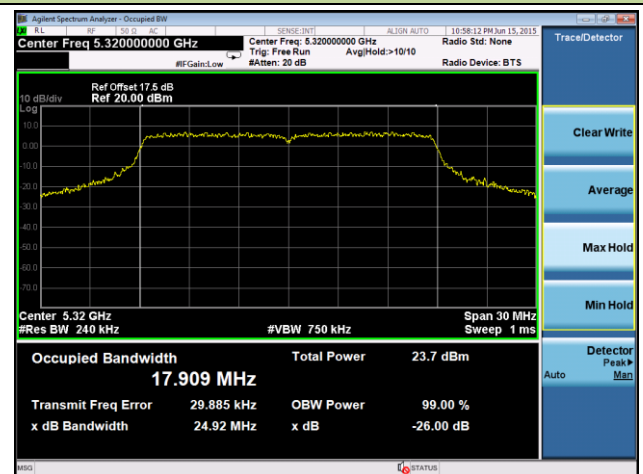
Channel 52 (5260MHz)



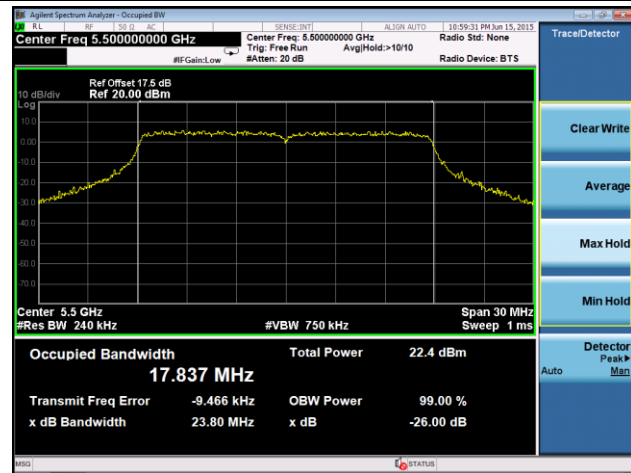
Channel 60 (5300MHz)



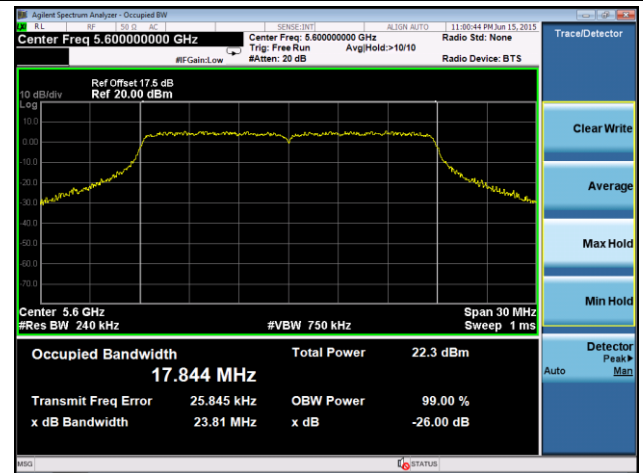
Channel 64 (5320MHz)



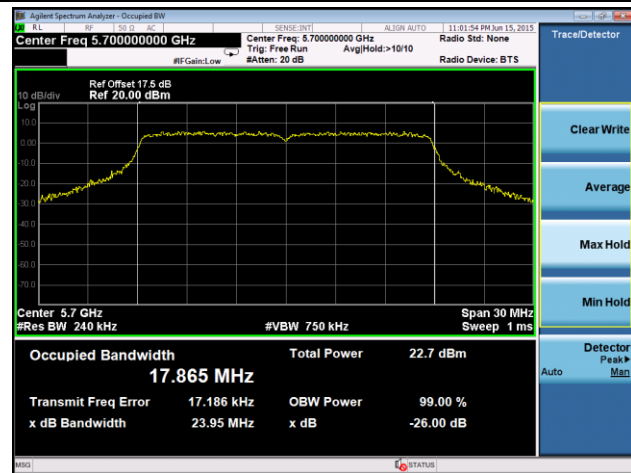
Channel 100 (5500MHz)



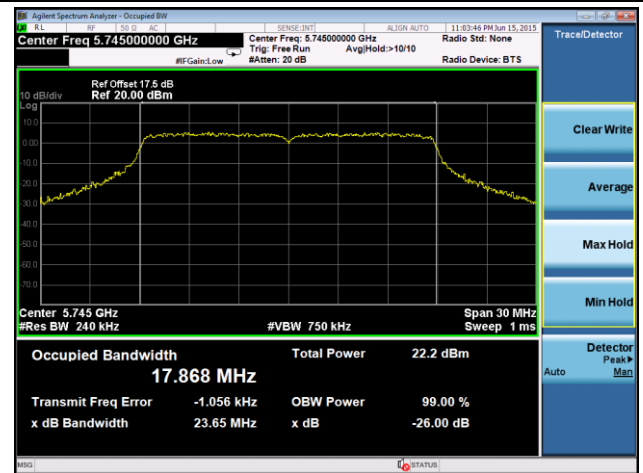
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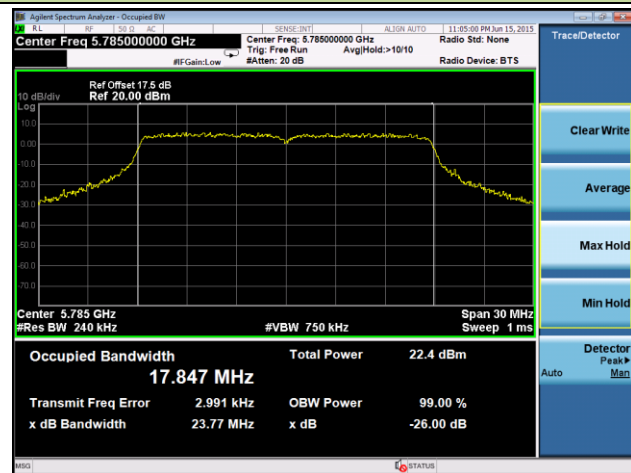
Channel 140 (5700MHz)



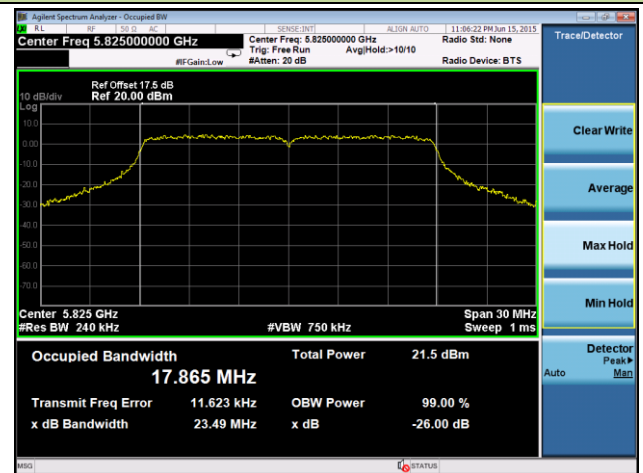
Channel 149 (5745MHz)



Channel 157 (5785MHz)

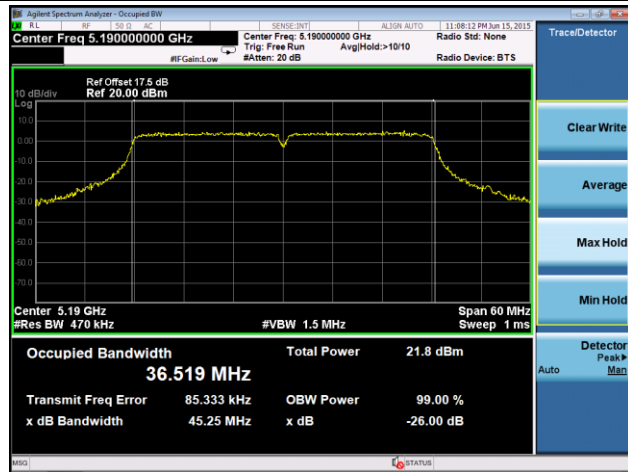


Channel 165 (5825MHz)

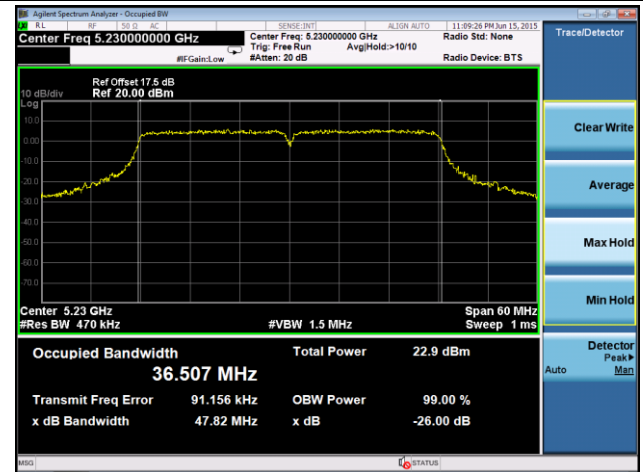


802.11n-HT40 26dB Bandwidth & 99% Bandwidth

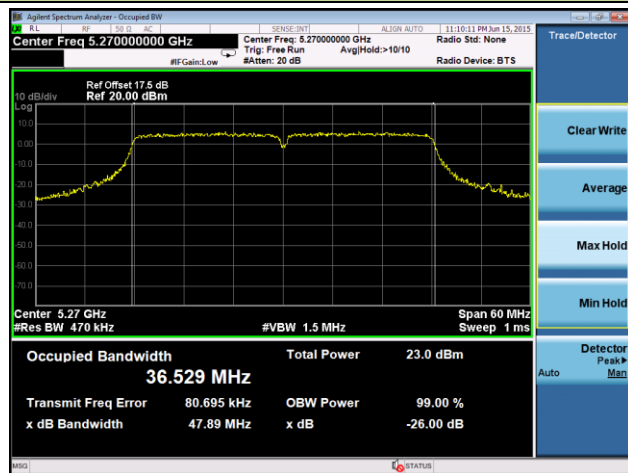
Channel 38 (5190MHz)



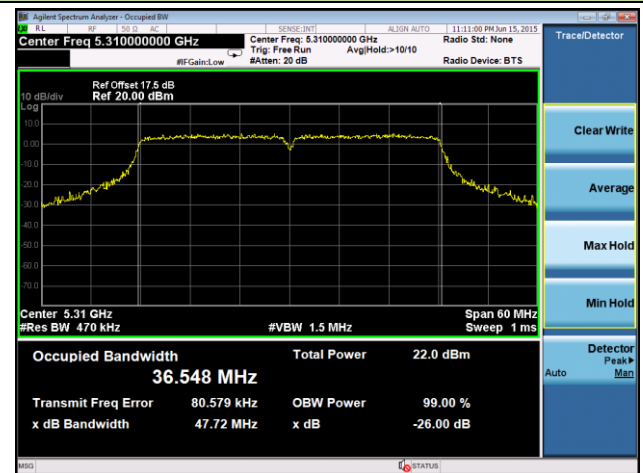
Channel 46 (5230MHz)



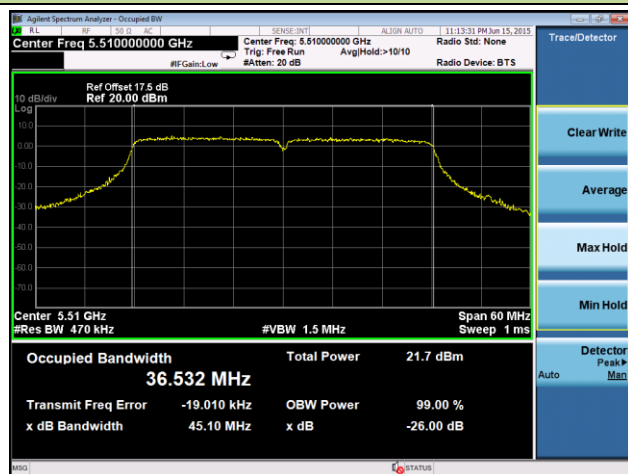
Channel 54 (5270MHz)



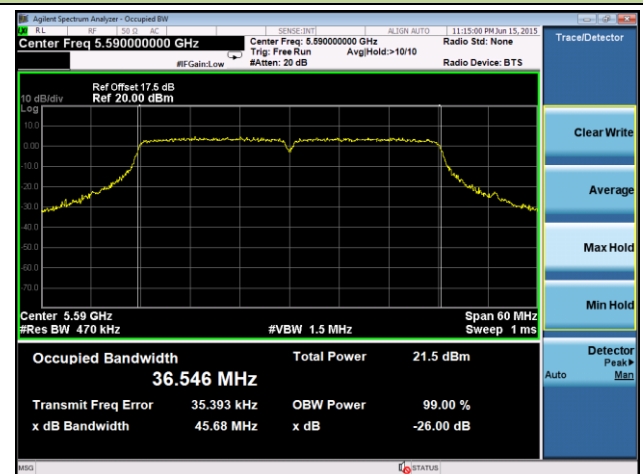
Channel 62 (5310MHz)



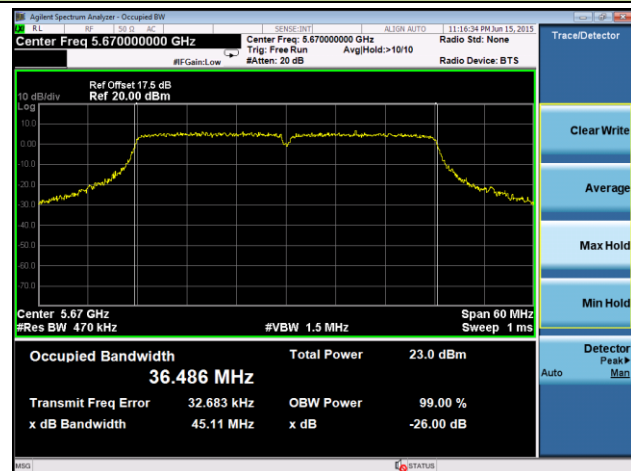
Channel 102 (5510MHz)



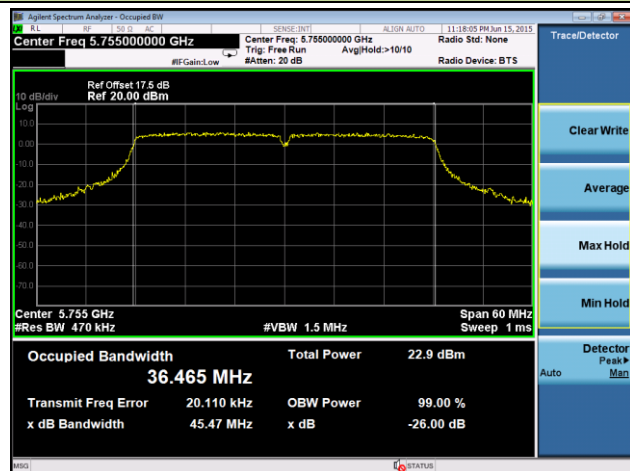
Channel 118 (5590MHz)



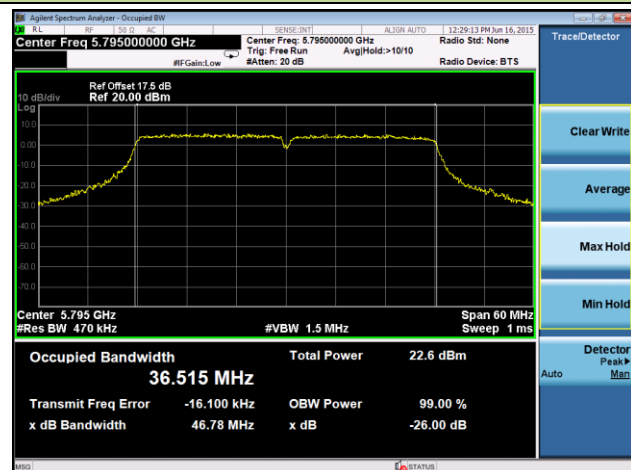
Channel 134 (5670MHz)



Channel 151 (5755MHz)

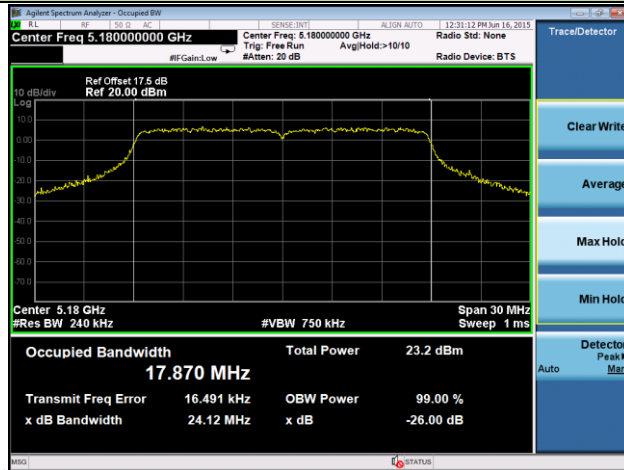


Channel 159 (5795MHz)

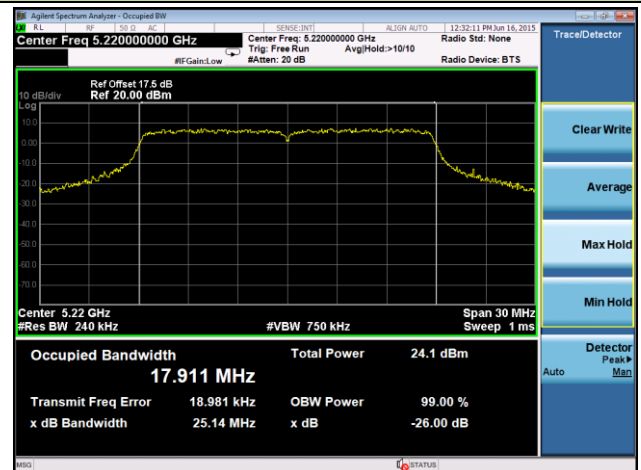


802.11ac-VHT20 26dB Bandwidth & 99% Bandwidth

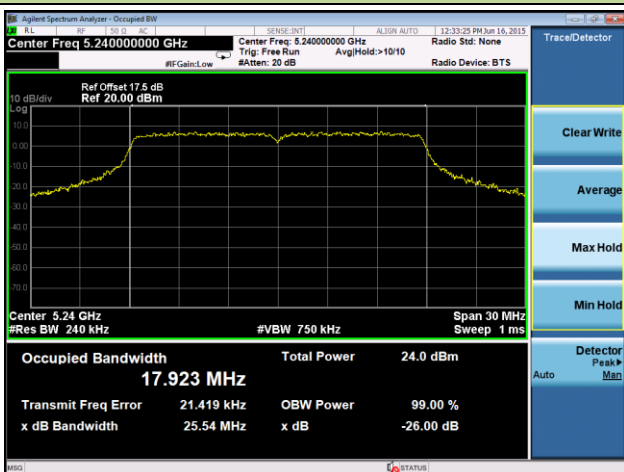
Channel 36 (5180MHz)



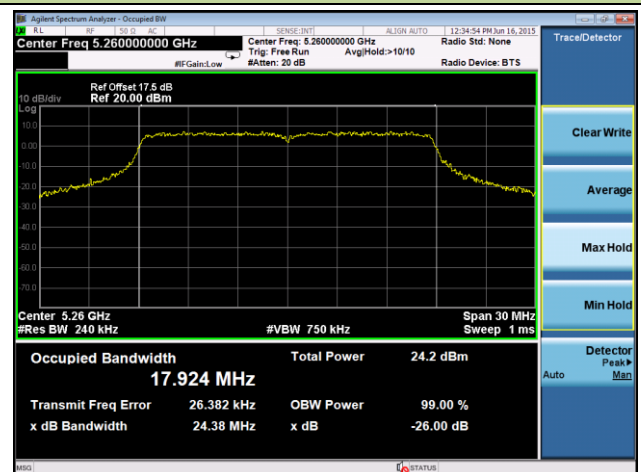
Channel 44 (5220MHz)



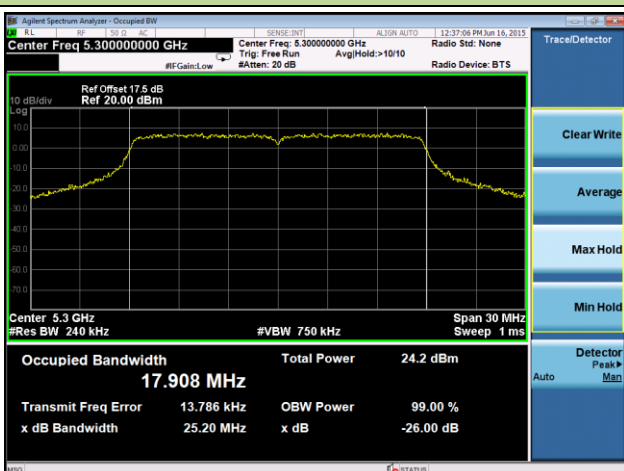
Channel 48 (5240MHz)



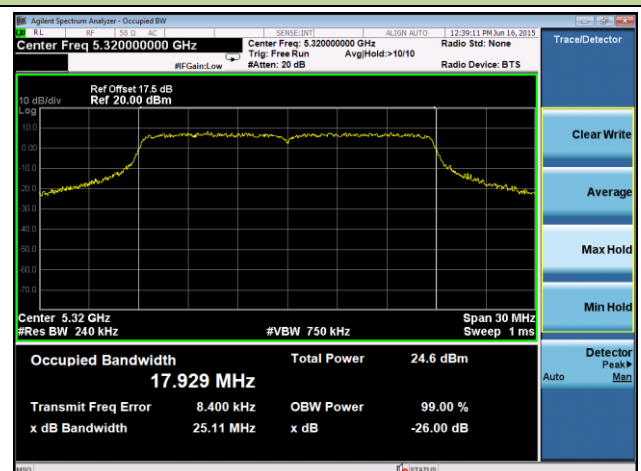
Channel 52 (5260MHz)



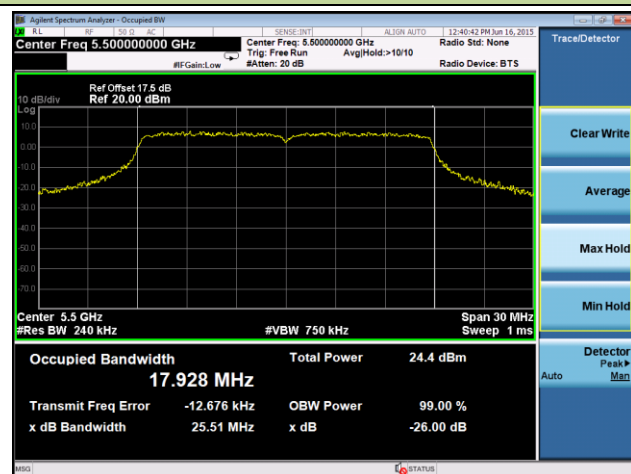
Channel 60 (5300MHz)



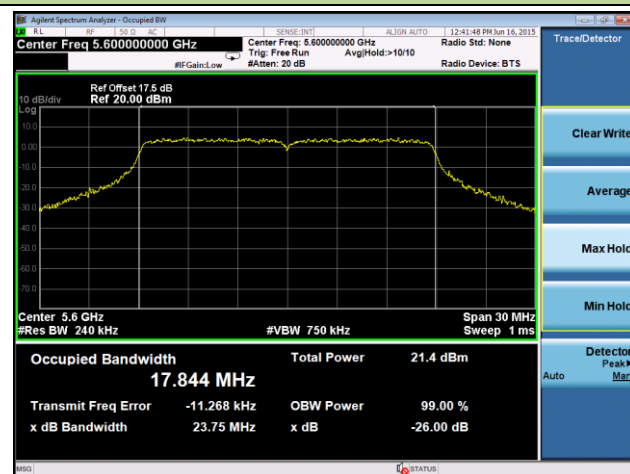
Channel 64 (5320MHz)



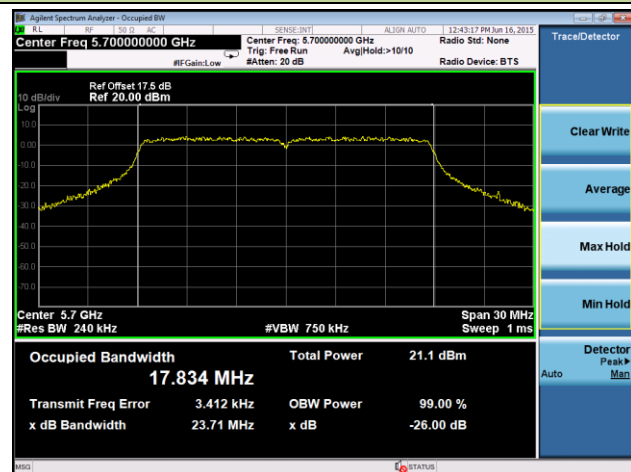
Channel 100 (5500MHz)



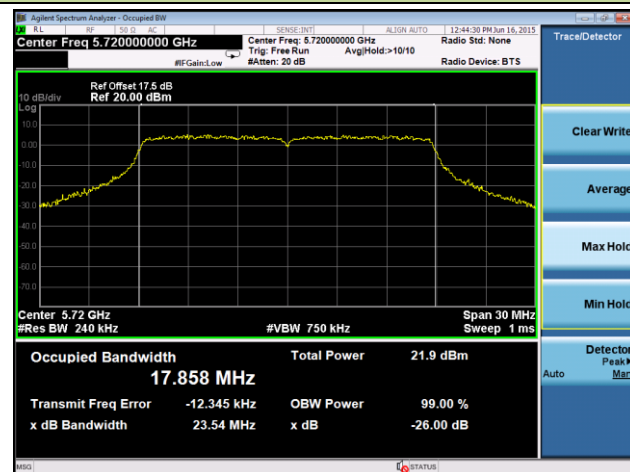
Channel 120 (5600MHz)



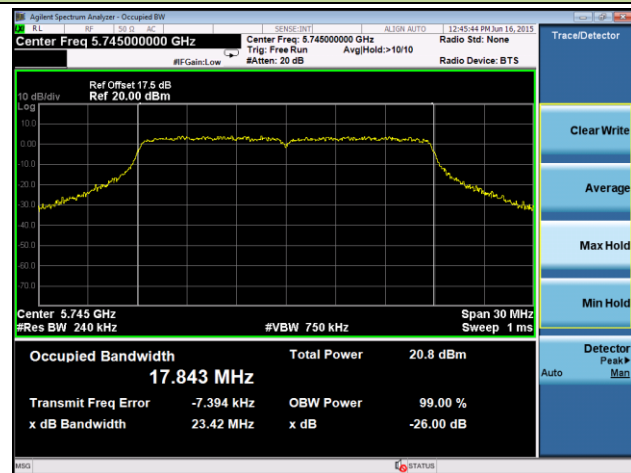
Channel 140 (5700MHz)



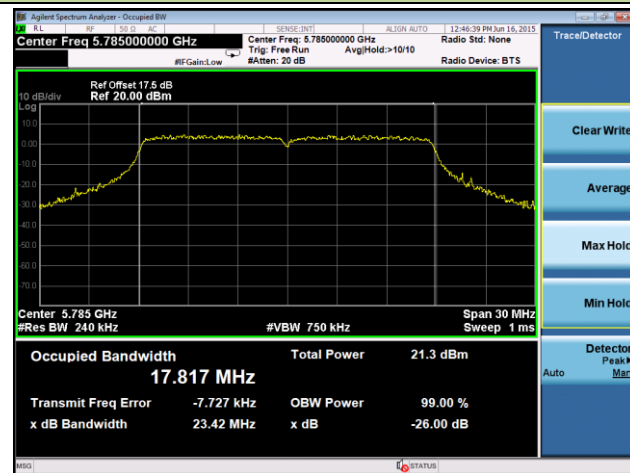
Channel 144 (5720MHz)

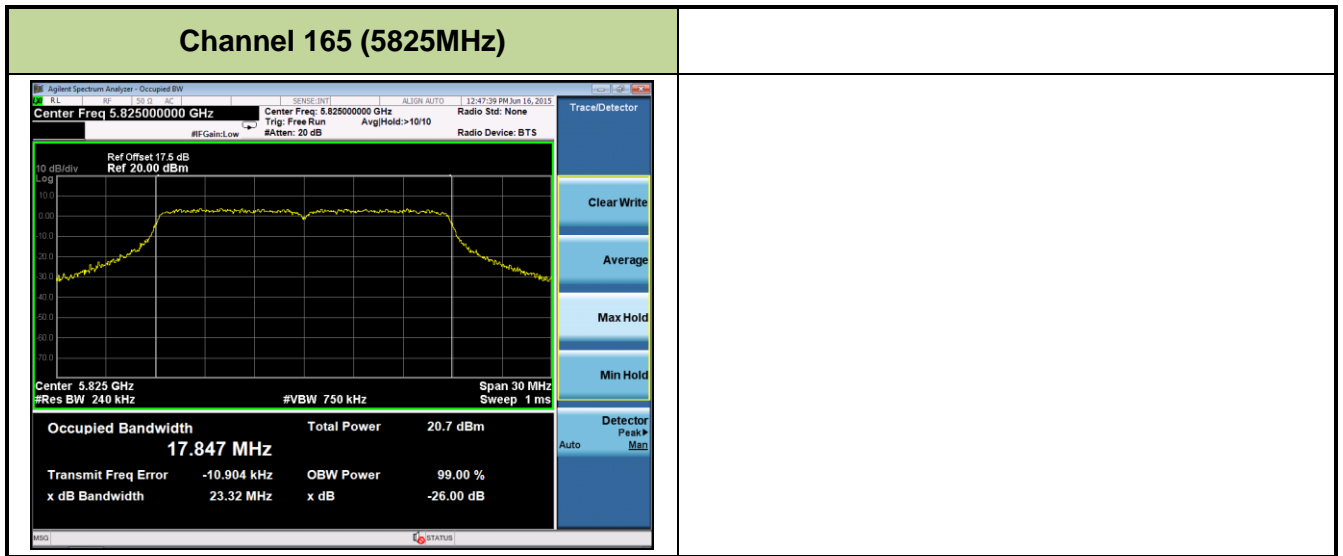


Channel 149 (5745MHz)



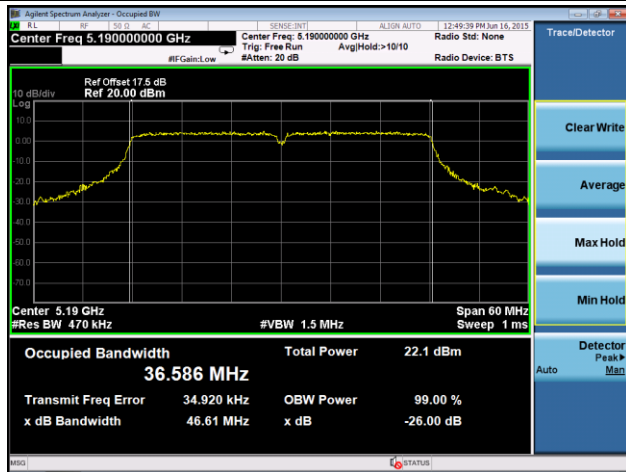
Channel 157 (5785MHz)





802.11ac-VHT40 26dB Bandwidth & 99% Bandwidth

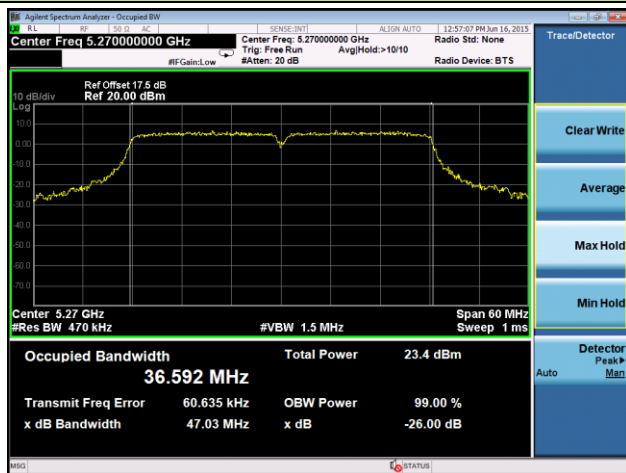
Channel 38 (5190MHz)



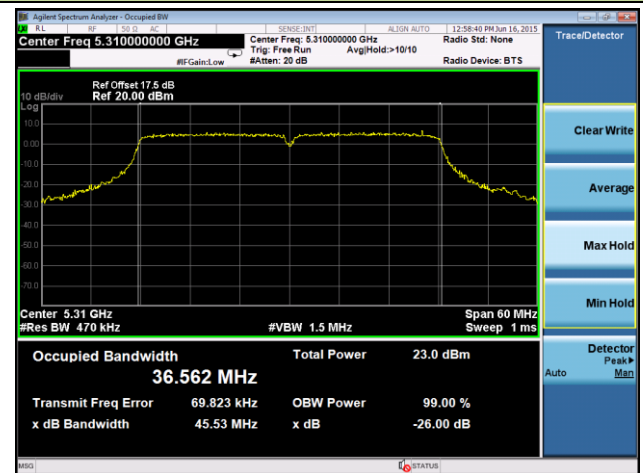
Channel 46 (5230MHz)



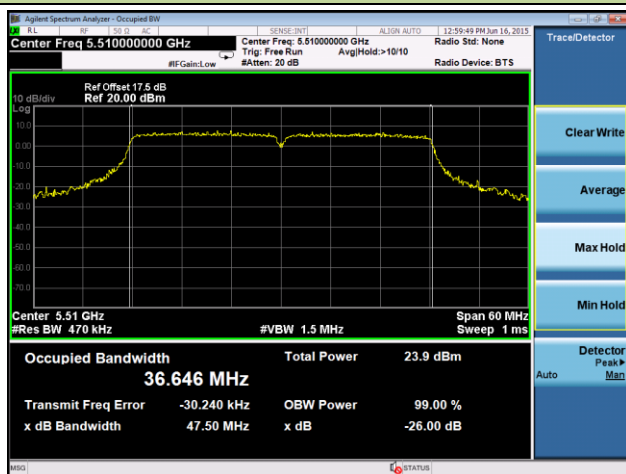
Channel 54 (5270MHz)



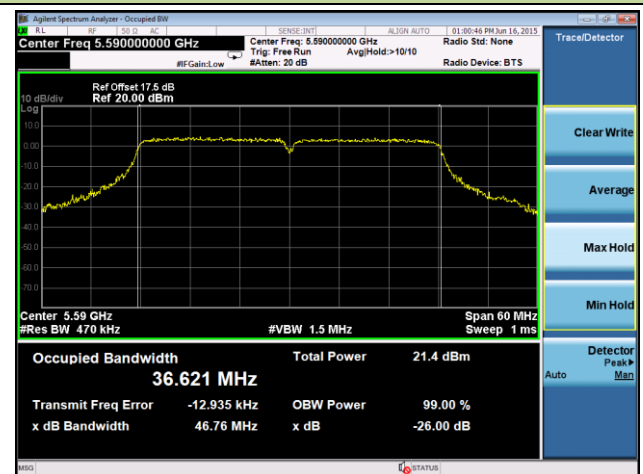
Channel 62 (5310MHz)



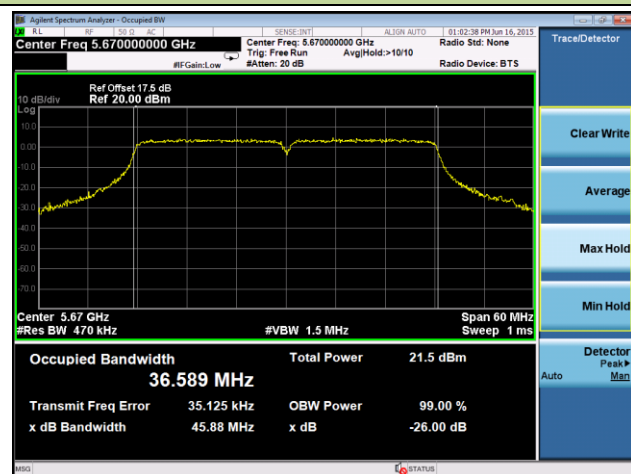
Channel 102 (5510MHz)



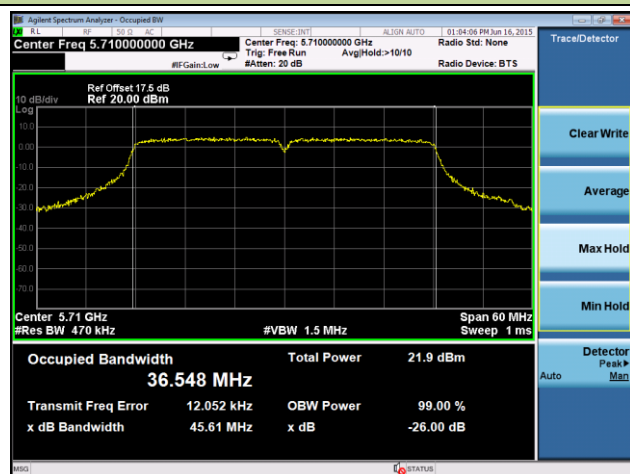
Channel 118 (5590MHz)



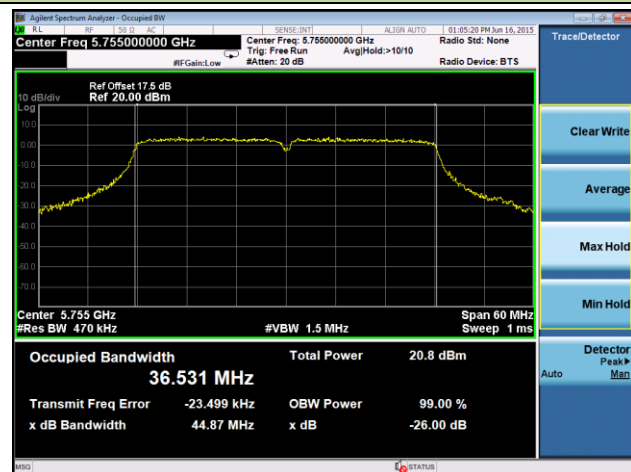
Channel 134 (5670MHz)



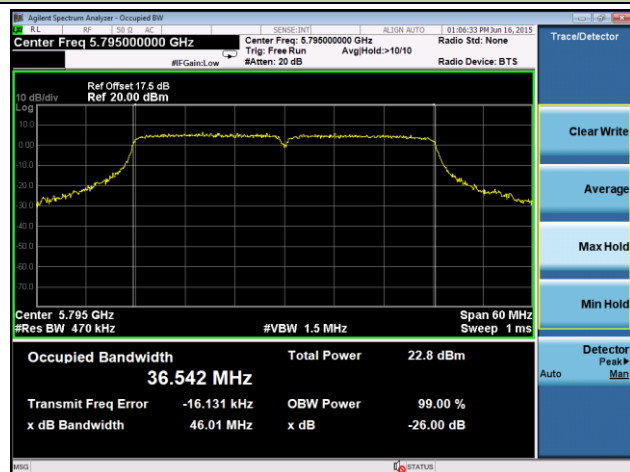
Channel 142 (5710MHz)



Channel 151 (5755MHz)



Channel 159 (5795MHz)



802.11ac-VHT80 26dB Bandwidth & 99% Bandwidth

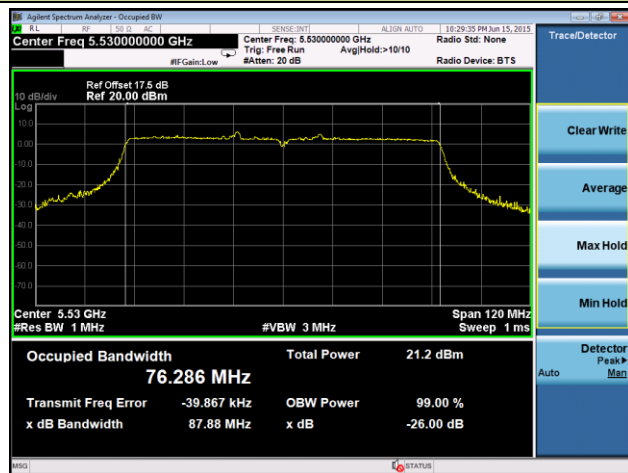
Channel 42 (5210MHz)



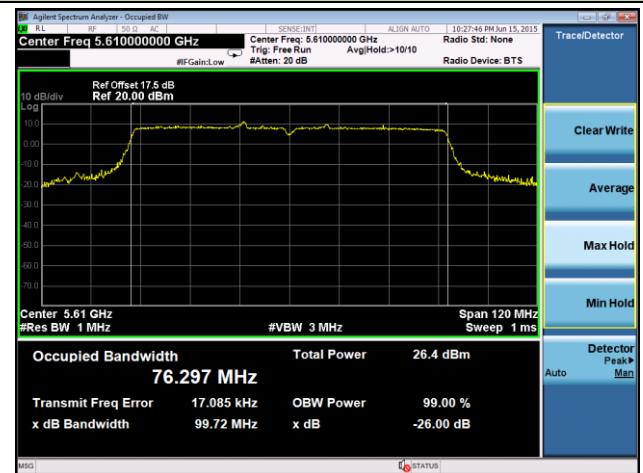
Channel 58 (5290MHz)



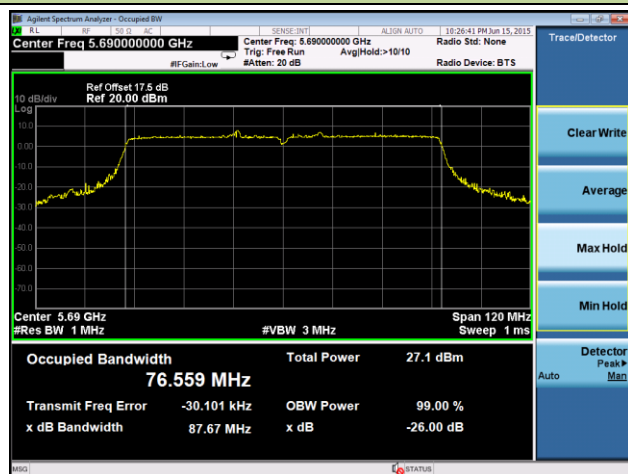
Channel 106 (5530MHz)



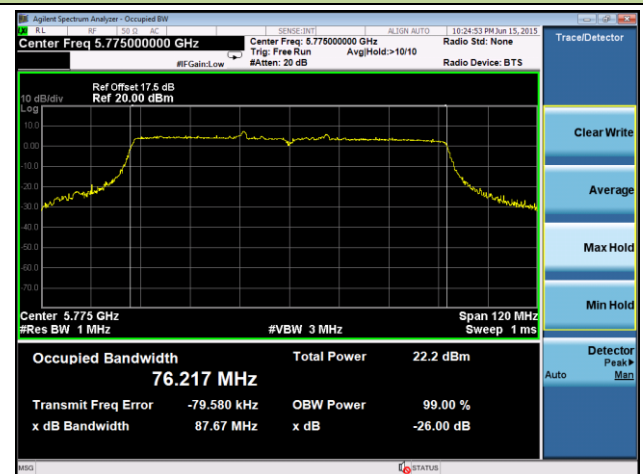
Channel 122 (5610MHz)



Channel 138 (5690MHz)



Channel 155 (5755MHz)



7.3. 6dB Bandwidth Measurement

7.3.1. Test Limit

The minimum 6dB bandwidth shall be at least 500 kHz.

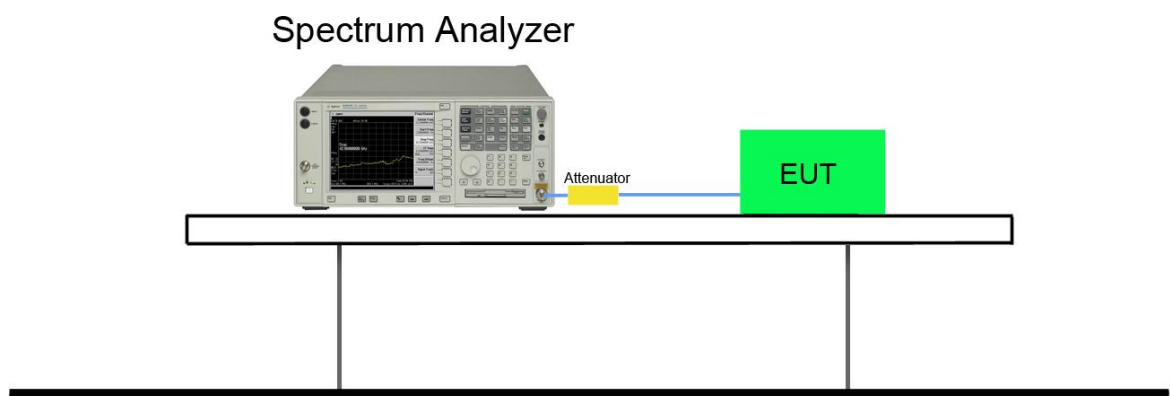
7.3.2. Test Procedure used

KDB 789033 D02v01 – Section C.2

7.3.3. Test Setting

1. Set center frequency to the nominal EUT channel center frequency.
2. RBW = 100 kHz.
3. VBW $\geq 3 \times$ RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Sweep = auto couple.
7. Allow the trace to stabilize.
8. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.3.4. Test Setup

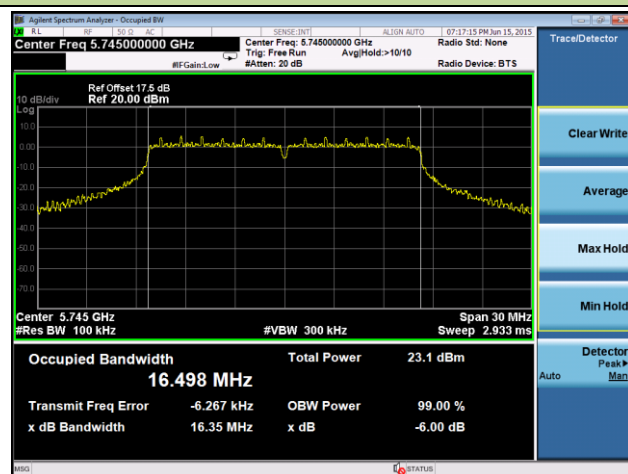


7.3.5. Test Result

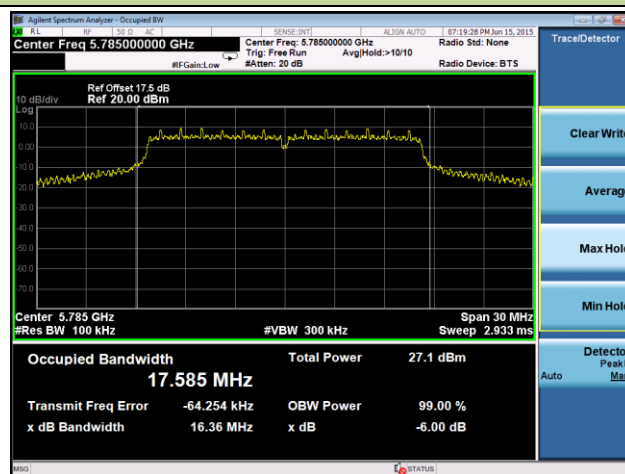
Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	6	149	5745	16.35	≥0.5	Pass
802.11a	6	157	5785	16.36	≥0.5	Pass
802.11a	6	165	5825	16.35	≥0.5	Pass
802.11n-HT20	13	149	5745	17.57	≥0.5	Pass
802.11n-HT20	13	157	5785	17.57	≥0.5	Pass
802.11n-HT20	13	165	5825	17.58	≥0.5	Pass
802.11n-HT40	27	151	5755	36.10	≥0.5	Pass
802.11n-HT40	27	159	5795	36.00	≥0.5	Pass
802.11ac-VHT20	13	149	5745	17.58	≥0.5	Pass
802.11ac-VHT20	13	157	5785	17.57	≥0.5	Pass
802.11ac-VHT20	13	165	5825	17.58	≥0.5	Pass
802.11ac-VHT40	27	151	5755	36.41	≥0.5	Pass
802.11ac-VHT40	27	159	5795	36.33	≥0.5	Pass
802.11ac-VHT80	58.6	155	5775	75.80	≥0.5	Pass

802.11a 6dB Bandwidth

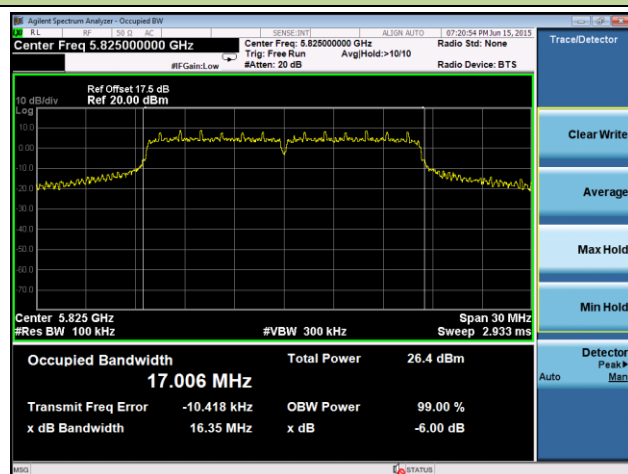
Channel 149 (5745MHz)



Channel 157 (5785MHz)

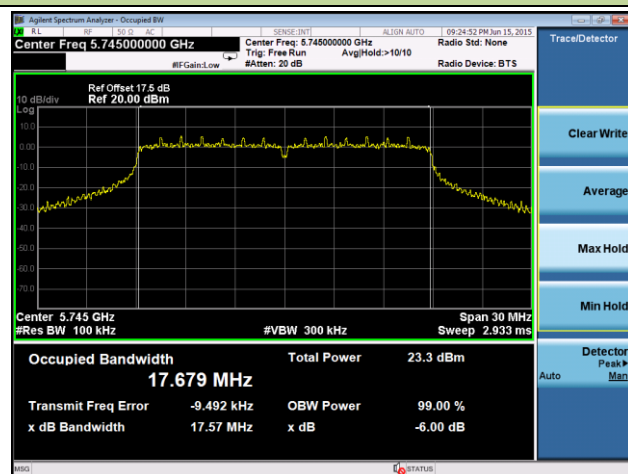


Channel 165 (5825MHz)

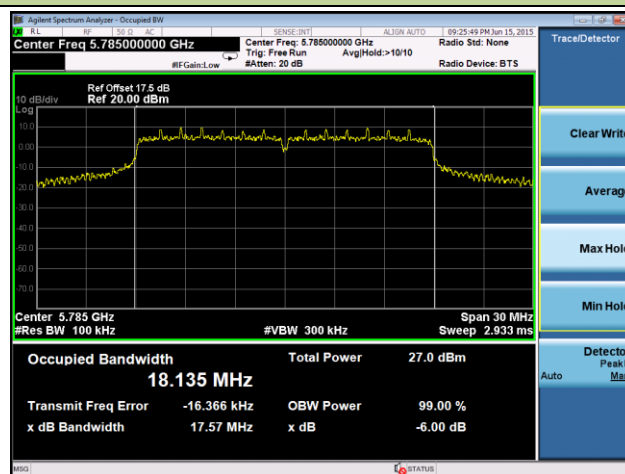


802.11n-HT20 6dB Bandwidth

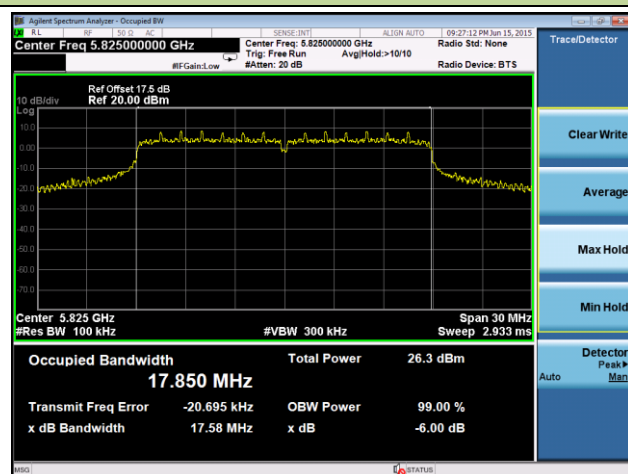
Channel 149 (5745MHz)



Channel 157 (5785MHz)

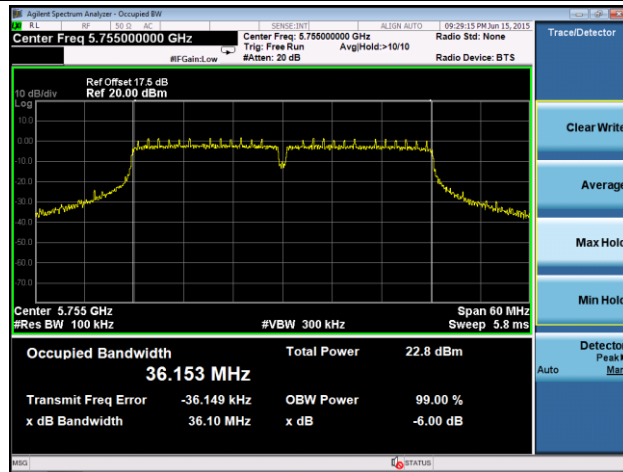


Channel 165 (5825MHz)

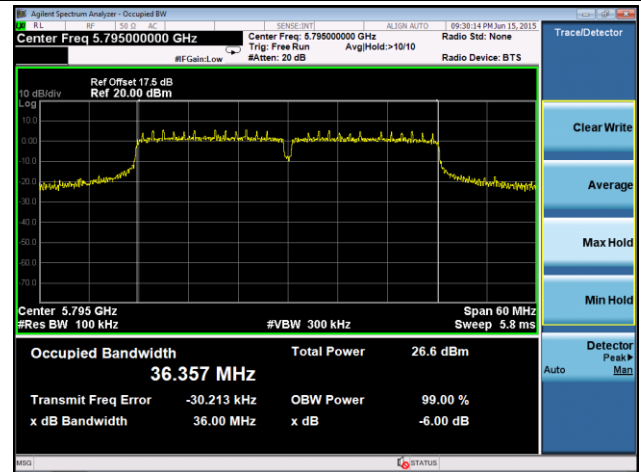


802.11n-HT40 6dB Bandwidth

Channel 151 (5755MHz)

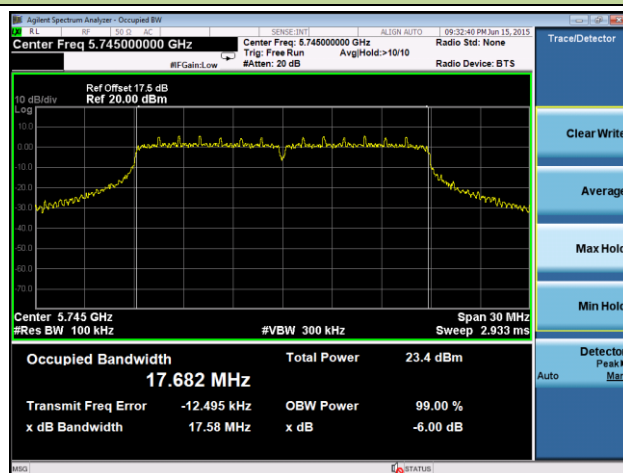


Channel 159 (5795MHz)

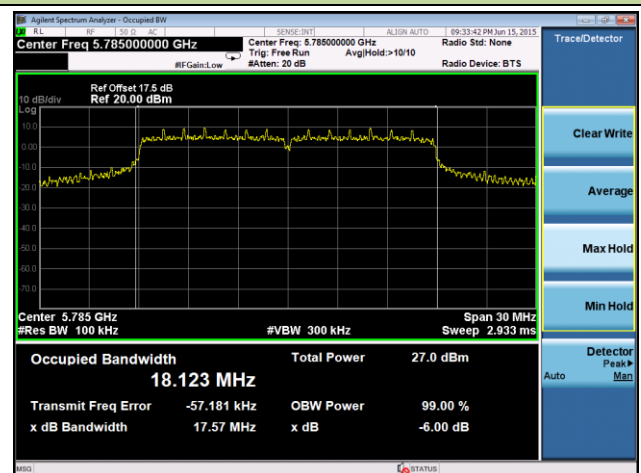


802.11ac-VHT20 6dB Bandwidth

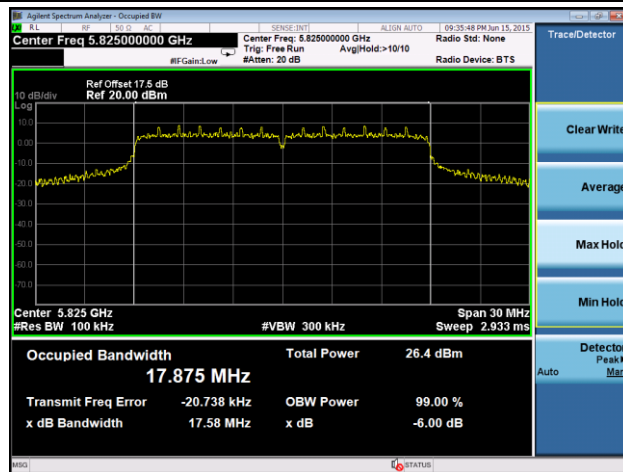
Channel 149 (5745MHz)



Channel 157 (5785MHz)

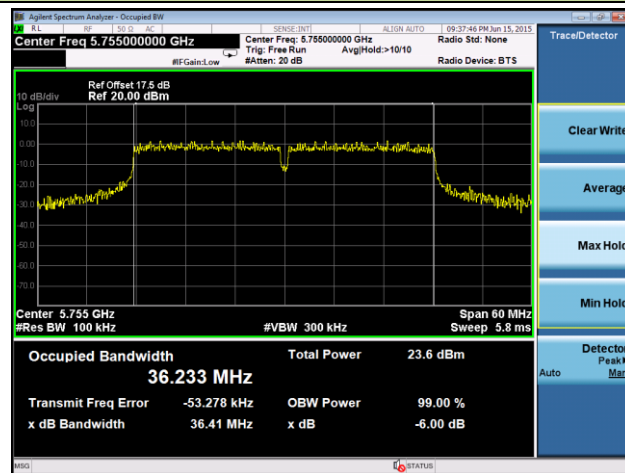


Channel 165 (5825MHz)

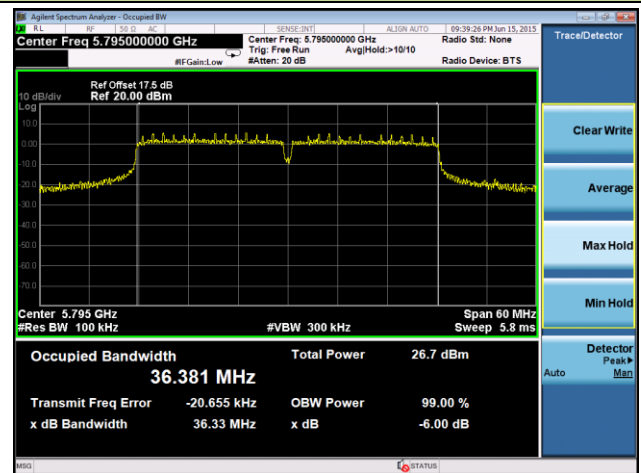


802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)

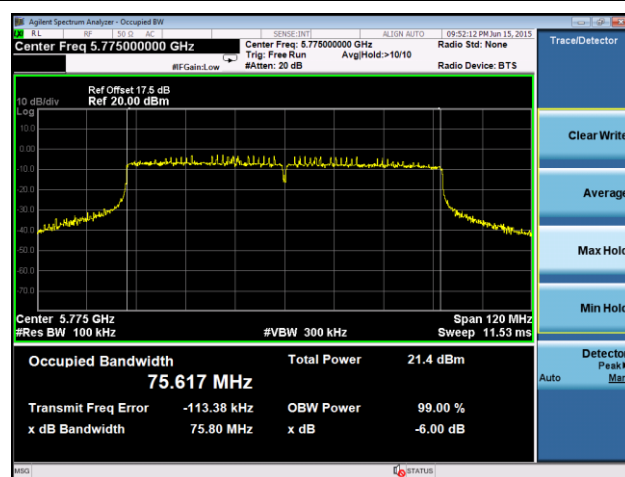


Channel 159 (5795MHz)



802.11ac-VHT80 6dB Bandwidth

Channel 155 (5775MHz)



7.4. Output Power Measurement

7.4.1. Test Limit

For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log (26dB BW).

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm).

If transmitting antennas of directional gain greater than 6dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

Frequency Band (GHz)	Output Power Limit (dBm)
5.15-5.25	$23.98 - (7\text{dBi} - 6\text{dBi}) = 22.98$
5.25-5.35	$23.98 - (7\text{dBi} - 6\text{dBi}) = 22.98$
5.47-5.725	$23.98 - (7\text{dBi} - 6\text{dBi}) = 22.98$
5.725-5.85	$30 - (10\text{dBi} - 6\text{dBi}) = 26$

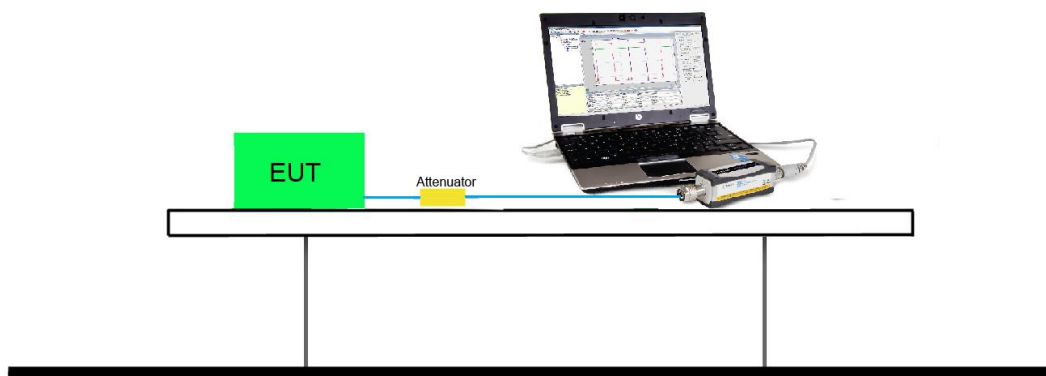
7.4.2. Test Procedure Used

KDB 789033 D02v01 - Section E) 3) b) Method PM-G

7.4.3. Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

7.4.4. Test Setup



7.4.5. Test Result

Power output test was verified over all data rates of each mode shown as below, and then choose the maximum power output (yellow marker) for final test of each channel.

N _{Tx}	a	MCS Index for 802.11n	Data Rate (Mbps)			
			20MHz Bandwidth		40MHz Bandwidth	
			800ns GI	400ns GI	800ns GI	400ns GI
1	6	0	6.5	7.2	13.5	15.0
1	9	1	13.0	14.4	27	30.0
1	12	2	19.5	21.7	40.5	45.0
1	18	3	26.0	28.9	54	60.0
1	24	4	39.0	43.3	81	90.0
1	36	5	52.0	57.8	108	120.0
1	48	6	58.5	65.0	121.5	135.0
1	54	7	65.0	72.2	135	150.0
2	---	8	13.0	14.4	27	30.0
2	---	9	26.0	28.9	54	60.0
2	---	10	39.0	43.3	81	90.0
2	---	11	52.0	57.8	108	120.0
2	---	12	78.0	86.7	162	180.0
2	---	13	104.0	115.6	216	240.0
2	---	14	117.0	130.0	243	270.0
2	---	15	130.0	270.0	144.4	300.0

MCS Index for 802.11ac	N _{Tx}	Data Rate (Mbps)					
		20MHz Bandwidth		40MHz Bandwidth		80MHz Bandwidth	
		800ns GI	400ns GI	800ns GI	400ns GI	800ns GI	400ns GI
0	1	6.5	7.2	13.5	15.0	29.3	32.5
1	1	13.0	14.4	27.0	30.0	58.5	65.0
2	1	19.5	21.7	40.5	45.0	87.8	97.5
3	1	26.0	28.9	54.0	60.0	117.0	130.0
4	1	39.0	43.3	81.0	90.0	175.5	195
5	1	52.0	57.8	108.0	120.0	234.0	260.0
6	1	58.5	65.0	121.5	135.0	263.3	292.5
7	1	65.0	72.2	135.0	150.0	292.5	325
8	1	78.0	86.7	162.0	180.0	351.0	390.0
9	1	--	--	180.0	200.0	390.0	433.3
10	2	13.0	14.4	27.0	30.0	58.6	65.0
11	2	26.0	28.8	54.0	60.0	117.0	130.0
12	2	39.0	43.4	81.0	90.0	175.6	195.0
13	2	52.0	57.8	108.0	120.0	234.0	260.0
14	2	78.0	86.6	162.0	180.0	351.0	390.0
15	2	104.0	115.6	216.0	240.0	468.0	520.0
16	2	117.0	130.0	243.0	270.0	526.6	585.0
17	2	130.0	144.4	270.0	300.0	585.0	650.0
18	2	156.0	173.4	324.0	360.0	702.0	780.0
19	2	--	--	360.0	400.0	780.0	866.6

Note: Power output test was verified over all data rates of each mode shown as above, and then choose the maximum power output (yellow marker) for final test of each channel.

Output power at various data rates for Ant 0 / Ant 0 + 1:

Test Mode	Bandwidth	Channel	Frequency (MHz)	Data Rate (Mbps)	RMS Power (dBm)
802.11a	20	60	5300	6	21.51
				24	21.02
				54	20.83
802.11n	20	60	5300	13	21.40
				14.4	21.13
				78	20.84
				86.7	20.67
				130	20.49
				144	20.22
802.11n	40	62	5310	27	17.00
				30	16.83
				162	16.54
				180	16.39
				270	16.13
				300	16.02
802.11ac	20	60	5300	13	21.40
				14.4	21.25
				78	21.13
				86.6	21.07
				156	20.76
				173.4	20.43
802.11ac	40	62	5310	27	16.90
				30	16.76
				162	16.51
				180	16.37
				360	16.19
				400	16.03

802.11ac	80	58	5290	58.6	19.28
				65	19.08
				351	18.83
				390	18.55
				780	18.36
				866.6	18.15

1Tx

Test Mode	N _{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Limit (dBm)	Result
11a	1	6	36	5180	18.39	19.72	≤ 22.98	Pass
11a	1	6	44	5220	20.38	19.80	≤ 22.98	Pass
11a	1	6	48	5240	20.35	20.06	≤ 22.98	Pass
11a	1	6	52	5260	21.42	21.71	≤ 22.98	Pass
11a	1	6	60	5300	21.51	21.55	≤ 22.98	Pass
11a	1	6	64	5320	19.72	20.09	≤ 22.98	Pass
11a	1	6	100	5500	20.84	20.96	≤ 22.98	Pass
11a	1	6	120	5600	19.73	19.44	≤ 22.98	Pass
11a	1	6	140	5700	18.76	19.81	≤ 22.98	Pass
11a	1	6	149	5745	20.04	20.42	≤ 26.00	Pass
11a	1	6	157	5785	20.37	20.93	≤ 26.00	Pass
11a	1	6	165	5825	19.82	20.66	≤ 26.00	Pass
11n-HT20	1	6.5	36	5180	18.37	18.92	≤ 22.98	Pass
11n-HT20	1	6.5	44	5220	20.29	19.98	≤ 22.98	Pass
11n-HT20	1	6.5	48	5240	20.26	20.03	≤ 22.98	Pass
11n-HT20	1	6.5	52	5260	21.33	21.89	≤ 22.98	Pass
11n-HT20	1	6.5	60	5300	21.40	21.72	≤ 22.98	Pass
11n-HT20	1	6.5	64	5320	19.61	19.96	≤ 22.98	Pass
11n-HT20	1	6.5	100	5500	21.05	20.78	≤ 22.98	Pass
11n-HT20	1	6.5	120	5600	19.64	19.47	≤ 22.98	Pass
11n-HT20	1	6.5	140	5700	17.79	19.63	≤ 22.98	Pass
11n-HT20	1	6.5	149	5745	19.91	20.42	≤ 26.00	Pass
11n-HT20	1	6.5	157	5785	20.25	20.77	≤ 26.00	Pass
11n-HT20	1	6.5	165	5825	19.67	20.62	≤ 26.00	Pass
11n-HT40	1	13.5	38	5190	15.94	17.26	≤ 22.98	Pass
11n-HT40	1	13.5	46	5230	19.66	20.21	≤ 22.98	Pass
11n-HT40	1	13.5	54	5270	19.67	20.42	≤ 22.98	Pass
11n-HT40	1	13.5	62	5310	17.03	17.44	≤ 22.98	Pass
11n-HT40	1	13.5	102	5510	19.66	19.42	≤ 22.98	Pass
11n-HT40	1	13.5	118	5590	18.26	18.38	≤ 22.98	Pass
11n-HT40	1	13.5	134	5670	17.83	18.14	≤ 22.98	Pass

11n-HT40	1	13.5	151	5755	18.15	18.85	≤ 26.00	Pass
11n-HT40	1	13.5	159	5795	19.02	19.67	≤ 26.00	Pass
11ac-VHT20	1	6.5	36	5180	18.39	19.79	≤ 22.98	Pass
11ac-VHT20	1	6.5	44	5220	20.28	21.10	≤ 22.98	Pass
11ac-VHT20	1	6.5	48	5240	20.51	20.77	≤ 22.98	Pass
11ac-VHT20	1	6.5	52	5260	21.35	21.65	≤ 22.98	Pass
11ac-VHT20	1	6.5	60	5300	21.40	21.54	≤ 22.98	Pass
11ac-VHT20	1	6.5	64	5320	19.60	19.96	≤ 22.98	Pass
11ac-VHT20	1	6.5	100	5500	21.11	20.83	≤ 22.98	Pass
11ac-VHT20	1	6.5	120	5600	19.61	19.44	≤ 22.98	Pass
11ac-VHT20	1	6.5	140	5700	17.66	19.63	≤ 22.98	Pass
11ac-VHT20	1	6.5	144	5720	19.78	19.95	≤ 22.98	Pass
11ac-VHT20	1	6.5	149	5745	19.91	20.34	≤ 26.00	Pass
11ac-VHT20	1	6.5	157	5785	20.26	20.71	≤ 26.00	Pass
11ac-VHT20	1	6.5	165	5825	19.67	20.64	≤ 26.00	Pass
11ac-VHT40	1	13.5	38	5190	15.82	17.18	≤ 22.98	Pass
11ac-VHT40	1	13.5	46	5230	20.02	20.53	≤ 22.98	Pass
11ac-VHT40	1	13.5	54	5270	20.03	20.71	≤ 22.98	Pass
11ac-VHT40	1	13.5	62	5310	16.90	17.45	≤ 22.98	Pass
11ac-VHT40	1	13.5	102	5510	20.38	19.34	≤ 22.98	Pass
11ac-VHT40	1	13.5	118	5590	18.62	18.73	≤ 22.98	Pass
11ac-VHT40	1	13.5	134	5670	18.22	18.52	≤ 22.98	Pass
11ac-VHT40	1	13.5	142	5710	18.46	18.87	≤ 22.98	Pass
11ac-VHT40	1	13.5	151	5755	18.58	19.23	≤ 26.00	Pass
11ac-VHT40	1	13.5	159	5795	19.50	20.11	≤ 26.00	Pass
11ac-VHT80	1	29.3	42	5210	19.42	19.68	≤ 22.98	Pass
11ac-VHT80	1	29.3	58	5290	19.30	19.86	≤ 22.98	Pass
11ac-VHT80	1	29.3	106	5530	19.28	18.73	≤ 22.98	Pass
11ac-VHT80	1	29.3	122	5610	17.44	17.42	≤ 22.98	Pass
11ac-VHT80	1	29.3	138	5690	17.68	18.13	≤ 22.98	Pass
11ac-VHT80	1	29.3	155	5775	18.62	19.15	≤ 26.00	Pass

2Tx

Test Mode	N _{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Limit (dBm)	Result
11n-HT20	2	13	36	5180	16.70	17.88	20.34	≤ 22.98	Pass
11n-HT20	2	13	44	5220	16.94	18.08	20.56	≤ 22.98	Pass
11n-HT20	2	13	48	5240	16.70	17.52	20.14	≤ 22.98	Pass
11n-HT20	2	13	52	5260	19.59	18.82	22.23	≤ 22.98	Pass
11n-HT20	2	13	60	5300	19.67	18.58	22.17	≤ 22.98	Pass
11n-HT20	2	13	64	5320	19.12	18.21	21.70	≤ 22.98	Pass
11n-HT20	2	13	100	5500	19.55	19.14	22.36	≤ 22.98	Pass
11n-HT20	2	13	120	5600	19.99	19.78	22.90	≤ 22.98	Pass
11n-HT20	2	13	140	5700	18.99	18.79	21.90	≤ 22.98	Pass
11n-HT20	2	13	149	5745	18.79	18.67	21.74	≤ 26.00	Pass
11n-HT20	2	13	157	5785	20.56	21.55	24.09	≤ 26.00	Pass
11n-HT20	2	13	165	5825	19.35	20.37	22.90	≤ 26.00	Pass
11n-HT40	2	27	38	5190	17.69	17.47	20.59	≤ 22.98	Pass
11n-HT40	2	27	46	5230	17.70	17.72	20.72	≤ 22.98	Pass
11n-HT40	2	27	54	5270	19.72	20.04	22.89	≤ 22.98	Pass
11n-HT40	2	27	62	5310	15.86	16.10	18.99	≤ 22.98	Pass
11n-HT40	2	27	102	5510	18.42	18.53	21.49	≤ 22.98	Pass
11n-HT40	2	27	118	5590	19.96	19.84	22.91	≤ 22.98	Pass
11n-HT40	2	27	134	5670	19.83	19.65	22.75	≤ 22.98	Pass
11n-HT40	2	27	151	5755	18.84	17.17	21.10	≤ 26	Pass
11n-HT40	2	27	159	5795	19.27	20.49	22.93	≤ 26	Pass
11ac-VHT20	2	13	36	5180	18.06	17.49	20.79	≤ 22.98	Pass
11ac-VHT20	2	13	44	5220	16.98	17.59	20.31	≤ 22.98	Pass
11ac-VHT20	2	13	48	5240	18.26	17.60	20.95	≤ 22.98	Pass
11ac-VHT20	2	13	52	5260	19.12	19.25	22.20	≤ 22.98	Pass
11ac-VHT20	2	13	60	5300	19.21	19.22	22.23	≤ 22.98	Pass
11ac-VHT20	2	13	64	5320	17.61	17.87	20.75	≤ 22.98	Pass
11ac-VHT20	2	13	100	5500	18.78	16.58	20.83	≤ 22.98	Pass
11ac-VHT20	2	13	120	5600	19.52	18.76	22.17	≤ 22.98	Pass
11ac-VHT20	2	13	140	5700	17.82	18.44	21.15	≤ 22.98	Pass
11ac-VHT20	2	13	144	5720	18.81	19.50	22.18	≤ 22.98	Pass

11ac-VHT20	2	13	149	5745	19.75	20.68	23.25	≤ 26.00	Pass
11ac-VHT20	2	13	157	5785	21.03	22.13	24.63	≤ 26.00	Pass
11ac-VHT20	2	13	165	5825	19.39	20.39	22.93	≤ 26.00	Pass
11ac-VHT40	2	27	38	5190	15.76	15.47	18.63	≤ 22.98	Pass
11ac-VHT40	2	27	46	5230	18.84	18.84	21.85	≤ 22.98	Pass
11ac-VHT40	2	27	54	5270	19.56	19.78	22.68	≤ 22.98	Pass
11ac-VHT40	2	27	62	5310	14.89	14.14	17.54	≤ 22.98	Pass
11ac-VHT40	2	27	102	5510	16.44	17.49	20.01	≤ 22.98	Pass
11ac-VHT40	2	27	118	5590	18.93	18.57	21.76	≤ 22.98	Pass
11ac-VHT40	2	27	134	5670	19.02	19.77	22.42	≤ 22.98	Pass
11ac-VHT40	2	27	142	5710	19.00	19.57	22.30	≤ 22.98	Pass
11ac-VHT40	2	27	151	5755	17.28	18.19	20.77	≤ 26.00	Pass
11ac-VHT40	2	27	159	5795	19.20	20.43	22.87	≤ 26.00	Pass
11ac-VHT80	2	58.6	42	5210	14.34	14.67	17.52	≤ 22.98	Pass
11ac-VHT80	2	58.6	58	5290	14.36	14.76	17.57	≤ 22.98	Pass
11ac-VHT80	2	58.6	106	5530	17.58	18.90	21.30	≤ 22.98	Pass
11ac-VHT80	2	58.6	122	5610	19.39	19.40	22.41	≤ 22.98	Pass
11ac-VHT80	2	58.6	138	5690	18.76	19.32	22.06	≤ 22.98	Pass
11ac-VHT80	2	58.6	155	5775	12.76	13.89	16.37	≤ 26.00	Pass

Note: The Total Average Power (dBm) = $10 \cdot \log\{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)}\}$.

7.5. Transmit Power Control

7.5.1. Test Limit

The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm.

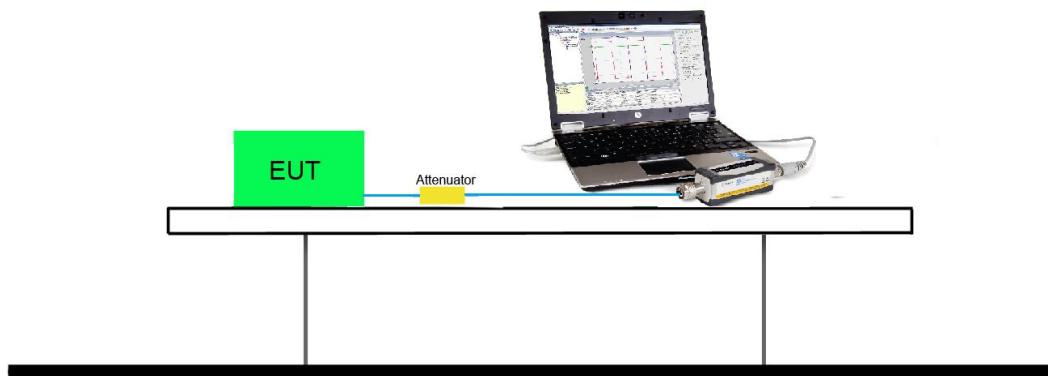
7.5.2. Test Procedure Used

KDB 789033 D02v01 - Section E) 3) b) Method PM-G

7.5.3. Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

7.5.4. Test Setup



7.5.5. Test Result

1Tx

Test Mode	N _{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 TPC Power (dBm)	Ant 1 TPC Power (dBm)	Limit (dBm)	Result
11a	1	6	52	5260	18.37	18.70	≤ 23.98	Pass
11a	1	6	60	5300	18.47	18.52	≤ 23.98	Pass
11a	1	6	64	5320	16.64	17.08	≤ 23.98	Pass
11a	1	6	100	5500	17.80	17.90	≤ 23.98	Pass
11a	1	6	120	5600	16.70	16.42	≤ 23.98	Pass
11a	1	6	140	5700	15.68	16.77	≤ 23.98	Pass
11n-HT20	1	6.5	52	5260	18.25	18.86	≤ 23.98	Pass
11n-HT20	1	6.5	60	5300	18.34	18.70	≤ 23.98	Pass
11n-HT20	1	6.5	64	5320	16.54	16.93	≤ 23.98	Pass
11n-HT20	1	6.5	100	5500	17.99	17.76	≤ 23.98	Pass
11n-HT20	1	6.5	120	5600	16.59	16.44	≤ 23.98	Pass
11n-HT20	1	6.5	140	5700	14.71	16.61	≤ 23.98	Pass
11n-HT40	1	13.5	54	5270	16.66	17.38	≤ 23.98	Pass
11n-HT40	1	13.5	62	5310	12.96	14.37	≤ 23.98	Pass
11n-HT40	1	13.5	102	5510	16.64	16.40	≤ 23.98	Pass
11n-HT40	1	13.5	118	5590	15.20	15.36	≤ 23.98	Pass
11n-HT40	1	13.5	134	5670	14.77	15.12	≤ 23.98	Pass
11ac-VHT20	1	6.5	52	5260	18.29	18.63	≤ 23.98	Pass
11ac-VHT20	1	6.5	60	5300	18.36	18.51	≤ 23.98	Pass
11ac-VHT20	1	6.5	64	5320	16.54	16.93	≤ 23.98	Pass
11ac-VHT20	1	6.5	100	5500	18.06	17.81	≤ 23.98	Pass
11ac-VHT20	1	6.5	120	5600	16.56	16.43	≤ 23.98	Pass
11ac-VHT20	1	6.5	140	5700	14.64	16.61	≤ 23.98	Pass
11ac-VHT20	1	6.5	144	5720	16.74	16.96	≤ 23.98	Pass
11ac-VHT40	1	13.5	54	5270	17.00	17.70	≤ 23.98	Pass
11ac-VHT40	1	13.5	62	5310	12.86	14.43	≤ 23.98	Pass
11ac-VHT40	1	13.5	102	5510	17.32	16.30	≤ 23.98	Pass
11ac-VHT40	1	13.5	118	5590	15.59	15.70	≤ 23.98	Pass
11ac-VHT40	1	13.5	134	5670	15.16	15.51	≤ 23.98	Pass
11ac-VHT40	1	13.5	142	5710	15.43	15.86	≤ 23.98	Pass
11ac-VHT80	1	29.3	58	5290	16.24	16.85	≤ 23.98	Pass

11ac-VHT80	1	29.3	106	5530	16.22	15.69	≤ 23.98	Pass
11ac-VHT80	1	29.3	122	5610	14.41	14.39	≤ 23.98	Pass
11ac-VHT80	1	29.3	138	5690	14.65	15.14	≤ 23.98	Pass

Note: The TPC Power (dBm) = Max TPC Power (dBm) + Antenna Gain.

2Tx

Test Mode	N _{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 TPC Power (dBm)	Ant 1 TPC Power (dBm)	Total TPC Power (dBm)	Limit (dBm)	Result
11n-HT20	2	13	52	5260	9.64	8.80	19.25	≤ 23.98	Pass
11n-HT20	2	13	60	5300	9.71	8.57	19.19	≤ 23.98	Pass
11n-HT20	2	13	64	5320	9.11	8.20	18.69	≤ 23.98	Pass
11n-HT20	2	13	100	5500	9.53	9.12	19.34	≤ 23.98	Pass
11n-HT20	2	13	120	5600	9.98	9.76	19.88	≤ 23.98	Pass
11n-HT20	2	13	140	5700	8.97	8.82	18.91	≤ 23.98	Pass
11n-HT40	2	27	54	5270	9.74	10.04	19.90	≤ 23.98	Pass
11n-HT40	2	27	62	5310	5.88	6.13	16.02	≤ 23.98	Pass
11n-HT40	2	27	102	5510	8.39	8.49	18.45	≤ 23.98	Pass
11n-HT40	2	27	118	5590	10.00	9.79	19.91	≤ 23.98	Pass
11n-HT40	2	27	134	5670	9.82	9.65	19.75	≤ 23.98	Pass
11ac-VHT20	2	13	52	5260	9.09	9.25	19.18	≤ 23.98	Pass
11ac-VHT20	2	13	60	5300	9.18	9.24	19.22	≤ 23.98	Pass
11ac-VHT20	2	13	64	5320	7.58	7.86	17.73	≤ 23.98	Pass
11ac-VHT20	2	13	100	5500	8.75	6.60	17.82	≤ 23.98	Pass
11ac-VHT20	2	13	120	5600	9.49	8.77	19.16	≤ 23.98	Pass
11ac-VHT20	2	13	140	5700	7.90	8.44	18.19	≤ 23.98	Pass
11ac-VHT20	2	13	144	5720	8.82	9.53	19.20	≤ 23.98	Pass
11ac-VHT40	2	27	54	5270	9.56	9.75	19.67	≤ 23.98	Pass
11ac-VHT40	2	27	62	5310	4.95	4.12	14.57	≤ 23.98	Pass
11ac-VHT40	2	27	102	5510	6.44	7.52	17.02	≤ 23.98	Pass
11ac-VHT40	2	27	118	5590	8.88	8.57	18.74	≤ 23.98	Pass
11ac-VHT40	2	27	134	5670	9.02	9.78	19.43	≤ 23.98	Pass
11ac-VHT40	2	27	142	5710	9.01	9.58	19.31	≤ 23.98	Pass
11ac-VHT80	2	58.6	58	5290	4.35	4.73	14.55	≤ 23.98	Pass
11ac-VHT80	2	58.6	106	5530	7.57	8.90	18.30	≤ 23.98	Pass
11ac-VHT80	2	58.6	122	5610	9.38	9.42	19.41	≤ 23.98	Pass
11ac-VHT80	2	58.6	138	5690	8.81	9.31	19.08	≤ 23.98	Pass

Note: The Total TPC Power (dBm) = $10 \cdot \log\{10^{(\text{Ant 0 TPC Power}/10)} + 10^{(\text{Ant 1 TPC Power}/10)}\} + \text{Antenna Gain}$.

7.6. Power Spectral Density Measurement

7.6.1. Test Limit

For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band provided the maximum antenna gain does not exceed 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

If transmitting antennas of directional gain greater than 6dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

Frequency Band (GHz)	Power Spectral Density Limit
5.15-5.25	11 dBm/MHz – (7dBi – 6dBi) = 10 dBm/MHz
5.25-5.35	11 dBm/MHz – (7dBi – 6dBi) = 10 dBm/MHz
5.47-5.725	11 dBm/MHz – (7dBi – 6dBi) = 10 dBm/MHz
5.725-5.85	30 dBm/500kHz - (10dBi – 6dBi) = 26 dBm/500kHz

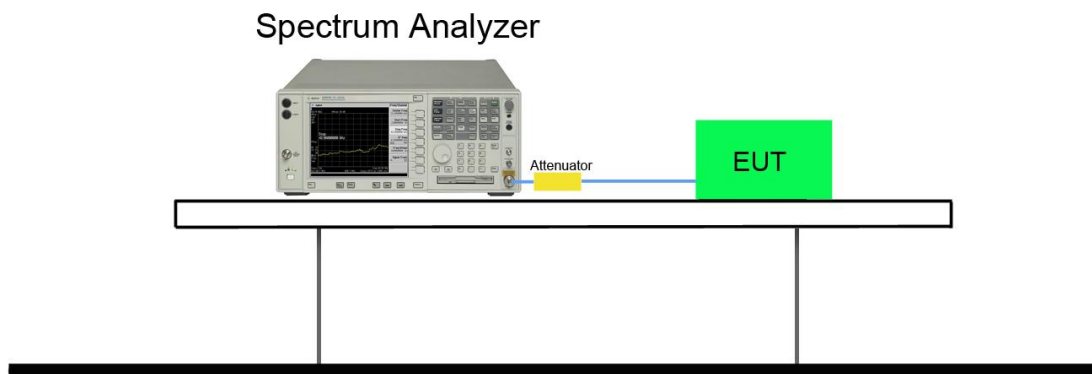
7.6.2. Test Procedure Used

KDB 789033 D02v01 - Section F

7.6.3. Test Setting

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire 26dB EBW of the signal.
3. RBW = 1MHz, if measurement bandwidth of Maximum PSD is specified in 500 kHz,
RBW = 100 kHz
4. VBW = 3MHz
5. Number of sweep points $\geq 2 \times (\text{span} / \text{RBW})$
6. Detector = power averaging (RMS)
7. Sweep time = auto
8. Trigger = free run
9. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
10. Add $10 \cdot \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add $10 \cdot \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.
11. When the measurement bandwidth of Maximum PSD is specified in 500 kHz, add a constant factor $10 \cdot \log(500\text{kHz}/100\text{kHz}) = 7$ dB to the measured result

7.6.4. Test Setup



7.6.5. Test Result

1Tx (U-NII-1 & U-NII-2A & U-NII-2C)

Test Mode	N _{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Duty Cycle (%)	Max PSD (dBm/MHz)	Limit (dBm/MHz)	Result
11a	1	6	36	5180	7.10	7.95	96.9	8.09	≤ 10	Pass
11a	1	6	44	5220	9.22	8.25	96.9	9.36	≤ 10	Pass
11a	1	6	48	5240	9.23	9.02	96.9	9.37	≤ 10	Pass
11a	1	6	52	5260	9.29	9.51	96.9	9.65	≤ 10	Pass
11a	1	6	60	5300	9.46	9.12	96.9	9.60	≤ 10	Pass
11a	1	6	64	5320	9.49	9.08	96.9	9.63	≤ 10	Pass
11a	1	6	100	5500	9.44	9.11	96.9	9.58	≤ 10	Pass
11a	1	6	120	5600	9.07	8.38	96.9	9.21	≤ 10	Pass
11a	1	6	140	5700	8.94	8.53	96.9	9.08	≤ 10	Pass
11n-HT20	1	6.5	36	5180	8.11	7.36	94.4	8.36	≤ 10	Pass
11n-HT20	1	6.5	44	5220	9.08	8.46	94.4	9.33	≤ 10	Pass
11n-HT20	1	6.5	48	5240	8.96	8.71	94.4	9.21	≤ 10	Pass
11n-HT20	1	6.5	52	5260	9.19	9.03	94.4	9.44	≤ 10	Pass
11n-HT20	1	6.5	60	5300	9.36	9.02	94.4	9.61	≤ 10	Pass
11n-HT20	1	6.5	64	5320	9.39	8.64	94.4	9.64	≤ 10	Pass
11n-HT20	1	6.5	100	5500	9.25	9.47	94.4	9.72	≤ 10	Pass
11n-HT20	1	6.5	120	5600	9.05	8.21	94.4	9.30	≤ 10	Pass
11n-HT20	1	6.5	140	5700	9.00	8.01	94.4	9.25	≤ 10	Pass
11n-HT40	1	13.5	38	5190	1.65	-0.31	85.8	2.32	≤ 10	Pass
11n-HT40	1	13.5	46	5230	5.20	5.73	85.8	6.40	≤ 10	Pass
11n-HT40	1	13.5	54	5270	5.06	6.25	85.8	6.92	≤ 10	Pass
11n-HT40	1	13.5	62	5310	1.89	3.79	85.8	4.46	≤ 10	Pass
11n-HT40	1	13.5	102	5510	5.44	5.43	85.8	6.11	≤ 10	Pass
11n-HT40	1	13.5	118	5590	4.55	3.76	85.8	5.22	≤ 10	Pass
11n-HT40	1	13.5	134	5670	3.28	4.09	85.8	4.76	≤ 10	Pass
11ac-VHT20	1	6.5	36	5180	6.24	7.69	95.0	7.91	≤ 10	Pass
11ac-VHT20	1	6.5	44	5220	8.79	9.45	95.0	9.67	≤ 10	Pass
11ac-VHT20	1	6.5	48	5240	8.92	9.14	95.0	9.36	≤ 10	Pass
11ac-VHT20	1	6.5	52	5260	9.03	9.37	95.0	9.59	≤ 10	Pass
11ac-VHT20	1	6.5	60	5300	9.27	9.30	95.0	9.52	≤ 10	Pass

11ac-VHT20	1	6.5	64	5320	9.36	8.37	95.0	9.58	≤ 10	Pass
11ac-VHT20	1	6.5	100	5500	9.09	8.97	95.0	9.31	≤ 10	Pass
11ac-VHT20	1	6.5	120	5600	8.21	7.42	95.0	8.43	≤ 10	Pass
11ac-VHT20	1	6.5	140	5700	6.60	8.51	95.0	8.73	≤ 10	Pass
11ac-VHT20	1	6.5	144	5720	8.33	8.79	95.0	9.01	≤ 10	Pass
11ac-VHT40	1	13.5	38	5190	1.46	2.80	93.5	3.09	≤ 10	Pass
11ac-VHT40	1	13.5	46	5230	5.17	6.05	93.5	6.34	≤ 10	Pass
11ac-VHT40	1	13.5	54	5270	5.15	6.04	93.5	6.33	≤ 10	Pass
11ac-VHT40	1	13.5	62	5310	1.77	2.93	93.5	3.22	≤ 10	Pass
11ac-VHT40	1	13.5	102	5510	6.49	4.78	93.5	6.78	≤ 10	Pass
11ac-VHT40	1	13.5	118	5590	4.96	3.10	93.5	5.25	≤ 10	Pass
11ac-VHT40	1	13.5	134	5670	4.20	4.17	93.5	4.49	≤ 10	Pass
11ac-VHT40	1	13.5	142	5710	3.86	4.50	93.5	4.79	≤ 10	Pass
11ac-VHT80	1	29.3	42	5210	1.88	1.82	80.0	2.85	≤ 10	Pass
11ac-VHT80	1	29.3	58	5290	1.55	1.63	80.0	2.60	≤ 10	Pass
11ac-VHT80	1	29.3	106	5530	2.11	0.68	80.0	3.08	≤ 10	Pass
11ac-VHT80	1	29.3	122	5610	0.17	1.02	80.0	1.99	≤ 10	Pass
11ac-VHT80	1	29.3	138	5690	0.19	0.82	80.0	1.79	≤ 10	Pass

Note: When EUT duty cycle < 98%, the Max PSD = $10 \cdot \log\{10^{(\text{Max PSD}/10)}\} + 10 \cdot \log(1/\text{duty cycle})$.

2Tx (U-NII-1 & U-NII-2A & U-NII-2C)

Test Mode	N _{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/ MHz)	Ant 1 PSD (dBm/ MHz)	Duty Cycle (%)	Total PSD (dBm/ MHz)	Limit (dBm /MHz)	Result
11n-HT20	2	13	36	5180	6.48	6.92	94.4	9.96	≤ 10	Pass
11n-HT20	2	13	44	5220	6.28	6.07	94.4	9.44	≤ 10	Pass
11n-HT20	2	13	48	5240	6.29	6.09	94.4	9.45	≤ 10	Pass
11n-HT20	2	13	52	5260	5.36	7.18	94.4	9.63	≤ 10	Pass
11n-HT20	2	13	60	5300	5.94	7.09	94.4	9.81	≤ 10	Pass
11n-HT20	2	13	64	5320	6.69	6.69	94.4	9.95	≤ 10	Pass
11n-HT20	2	13	100	5500	5.53	6.41	94.4	9.25	≤ 10	Pass
11n-HT20	2	13	120	5600	6.67	6.45	94.4	9.82	≤ 10	Pass
11n-HT20	2	13	140	5700	5.79	6.45	94.4	9.39	≤ 10	Pass
11n-HT40	2	27	38	5190	5.02	4.81	85.8	8.59	≤ 10	Pass
11n-HT40	2	27	46	5230	5.11	5.34	85.8	8.90	≤ 10	Pass
11n-HT40	2	27	54	5270	5.41	5.48	85.8	9.12	≤ 10	Pass
11n-HT40	2	27	62	5310	5.28	5.49	85.8	9.06	≤ 10	Pass
11n-HT40	2	27	102	5510	5.62	5.50	85.8	9.24	≤ 10	Pass
11n-HT40	2	27	118	5590	4.38	4.74	85.8	8.24	≤ 10	Pass
11n-HT40	2	27	134	5670	3.95	5.28	85.8	8.34	≤ 10	Pass
11ac-VHT20	2	13	36	5180	6.90	6.48	95.0	9.93	≤ 10	Pass
11ac-VHT20	2	13	44	5220	6.74	6.25	95.0	9.73	≤ 10	Pass
11ac-VHT20	2	13	48	5240	5.38	6.25	95.0	9.07	≤ 10	Pass
11ac-VHT20	2	13	52	5260	5.82	6.77	95.0	9.55	≤ 10	Pass
11ac-VHT20	2	13	60	5300	6.12	6.81	95.0	9.71	≤ 10	Pass
11ac-VHT20	2	13	64	5320	5.86	6.75	95.0	9.56	≤ 10	Pass
11ac-VHT20	2	13	100	5500	7.40	5.73	95.0	9.88	≤ 10	Pass
11ac-VHT20	2	13	120	5600	5.74	6.52	95.0	9.38	≤ 10	Pass
11ac-VHT20	2	13	140	5700	5.37	7.10	95.0	9.55	≤ 10	Pass
11ac-VHT20	2	13	144	5720	5.49	7.08	95.0	9.59	≤ 10	Pass
11ac-VHT40	2	27	38	5190	5.08	4.71	93.5	8.20	≤ 10	Pass
11ac-VHT40	2	27	46	5230	5.29	5.06	93.5	8.48	≤ 10	Pass
11ac-VHT40	2	27	54	5270	5.54	5.34	93.5	8.74	≤ 10	Pass
11ac-VHT40	2	27	62	5310	5.45	5.53	93.5	8.79	≤ 10	Pass
11ac-VHT40	2	27	102	5510	5.97	5.52	93.5	9.05	≤ 10	Pass
11ac-VHT40	2	27	118	5590	4.64	4.24	93.5	7.75	≤ 10	Pass

11ac-VHT40	2	27	134	5670	4.56	5.20	93.5	8.19	≤ 10	Pass
11ac-VHT40	2	27	142	5710	4.34	5.02	93.5	8.00	≤ 10	Pass
11ac-VHT80	2	58.6	42	5210	1.89	2.00	80.0	5.92	≤ 10	Pass
11ac-VHT80	2	58.6	58	5290	1.49	2.29	80.0	5.89	≤ 10	Pass
11ac-VHT80	2	58.6	106	5530	2.89	2.09	80.0	6.49	≤ 10	Pass
11ac-VHT80	2	58.6	122	5610	0.98	1.06	80.0	5.00	≤ 10	Pass
11ac-VHT80	2	58.6	138	5690	0.98	1.72	80.0	5.35	≤ 10	Pass

Note: When EUT duty cycle < 98%, the total PSD = $10 \cdot \log\{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\} + 10 \cdot \log(1/\text{duty cycle})$.

1Tx (U-NII-3)

Test Mode	N _{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/100kHz)	Ant 1 PSD (dBm/100kHz)	Duty Cycle (%)	Constant Factor	Max PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
11a	1	6	149	5745	-0.01	0.05	96.9	7	7.19	≤ 26	Pass
11a	1	6	157	5785	0.31	-0.14	96.9	7	7.45	≤ 26	Pass
11a	1	6	165	5825	-0.39	-0.47	96.9	7	6.75	≤ 26	Pass
11n-HT20	1	6.5	149	5745	-0.61	-0.41	94.4	7	6.84	≤ 26	Pass
11n-HT20	1	6.5	157	5785	-0.29	-0.48	94.4	7	6.96	≤ 26	Pass
11n-HT20	1	6.5	165	5825	-1.05	-0.17	94.4	7	7.08	≤ 26	Pass
11n-HT40	1	13.5	151	5755	-4.66	-4.59	85.8	7	3.08	≤ 26	Pass
11n-HT40	1	13.5	159	5795	-3.97	-3.90	85.8	7	3.77	≤ 26	Pass
11ac-VHT20	1	6.5	149	5745	-0.44	-0.38	95.0	7	6.84	≤ 26	Pass
11ac-VHT20	1	6.5	157	5785	-0.26	-0.19	95.0	7	7.03	≤ 26	Pass
11ac-VHT20	1	6.5	165	5825	-1.09	-0.90	95.0	7	6.32	≤ 26	Pass
11ac-VHT40	1	13.5	151	5755	-4.78	-4.56	93.5	7	2.73	≤ 26	Pass
11ac-VHT40	1	13.5	159	5795	-3.39	-3.49	93.5	7	3.90	≤ 26	Pass
11ac-VHT80	1	29.3	155	5775	-7.17	-7.39	80.0	7	0.80	≤ 26	Pass

Note: When EUT duty cycle < 98%, the Max PSD = Max PSD + 10*log(1/duty cycle) + Constant Factor.

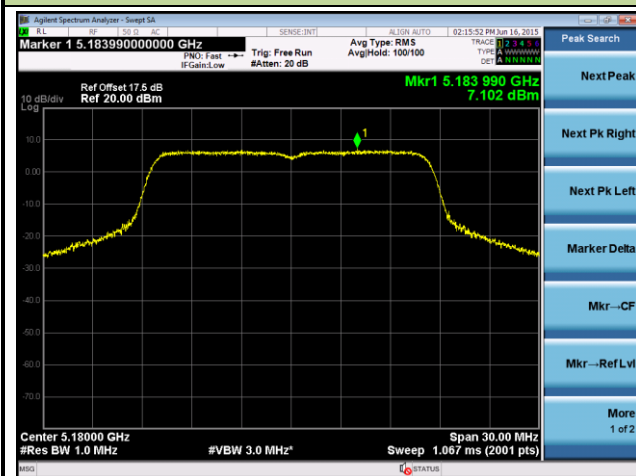
2Tx (U-NII-3)

Test Mode	N _{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/100kHz)	Ant 1 PSD (dBm/100kHz)	Duty Cycle (%)	Constant Factor	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
11n-HT20	2	13	149	5745	-0.52	-0.21	94.4	7	9.90	≤ 26	Pass
11n-HT20	2	13	157	5785	-0.43	-0.59	94.4	7	9.75	≤ 26	Pass
11n-HT20	2	13	165	5825	-0.70	-0.78	94.4	7	9.52	≤ 26	Pass
11n-HT40	2	27	151	5755	-4.45	-4.74	85.8	7	6.08	≤ 26	Pass
11n-HT40	2	27	159	5795	-3.65	-3.55	85.8	7	7.08	≤ 26	Pass
11ac-VHT20	2	13	149	5745	-0.35	0.06	95.0	7	10.09	≤ 26	Pass
11ac-VHT20	2	13	157	5785	-0.53	-0.30	95.0	7	9.82	≤ 26	Pass
11ac-VHT20	2	13	165	5825	-0.70	-0.72	95.0	7	9.52	≤ 26	Pass
11ac-VHT40	2	27	151	5755	-4.45	-4.07	93.5	7	6.05	≤ 26	Pass
11ac-VHT40	2	27	159	5795	-4.81	-4.17	93.5	7	5.82	≤ 26	Pass
11ac-VHT80	2	58.6	155	5775	-7.42	-7.05	80.0	7	3.75	≤ 26	Pass

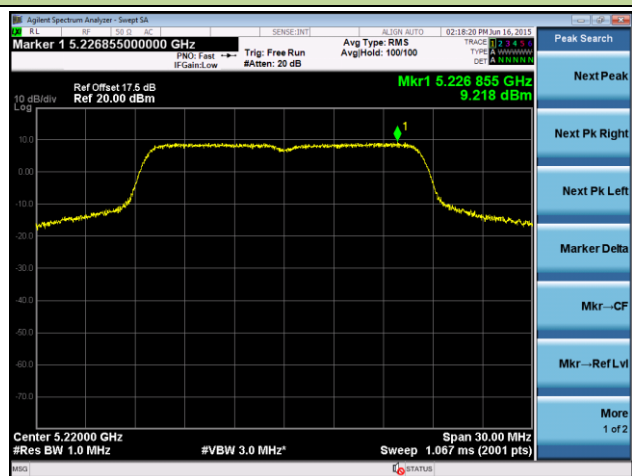
Note: When EUT duty cycle < 98%, the Max PSD = $10 \cdot \log\{10^{(\text{Ant0 PSD}/10)} + 10^{(\text{Ant1 PSD}/10)}\} + 10 \cdot \log(1/\text{duty cycle}) + \text{Constant Factor}$.

802.11a Power Spectral Density - Ant 0

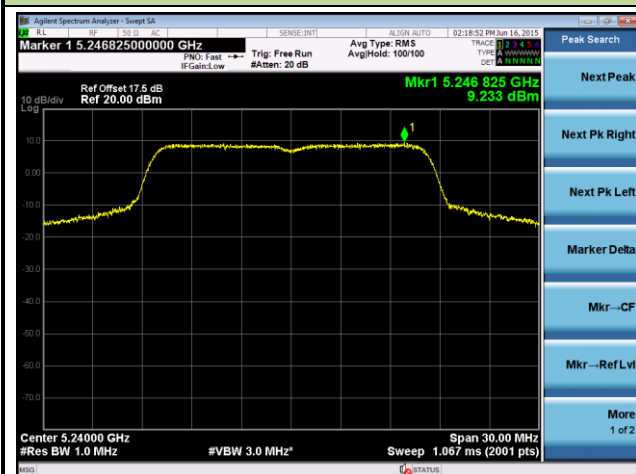
Channel 36 (5180MHz)



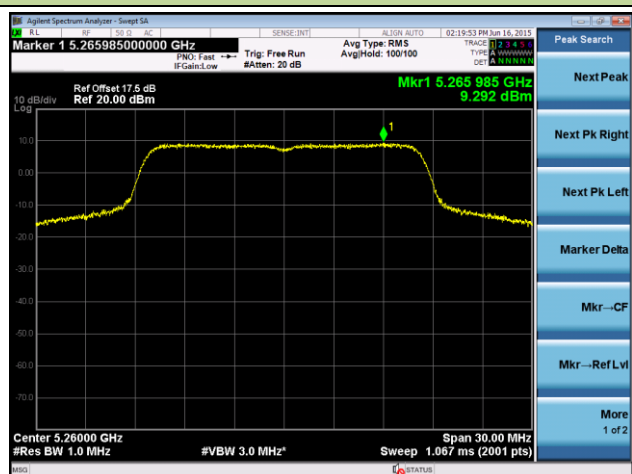
Channel 44 (5220MHz)



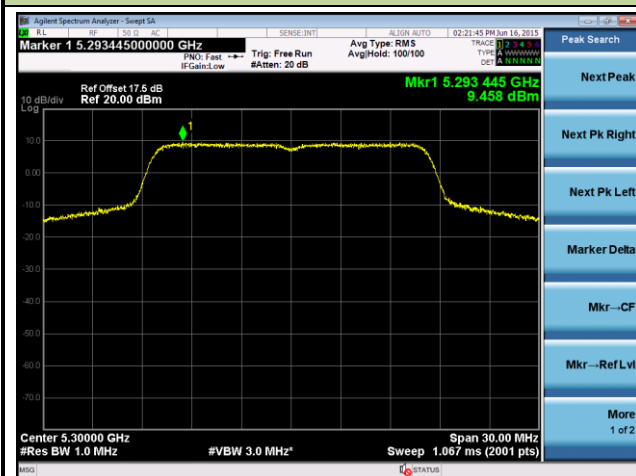
Channel 48 (5240MHz)



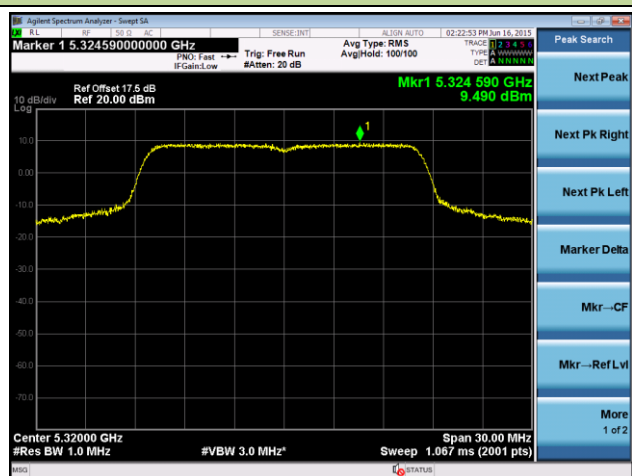
Channel 52 (5260MHz)



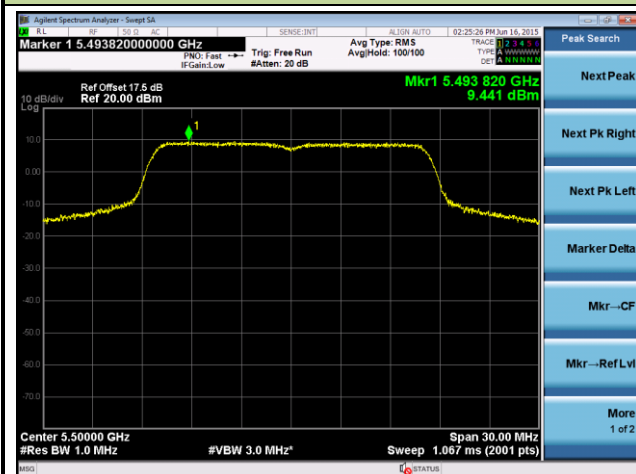
Channel 60 (5300MHz)



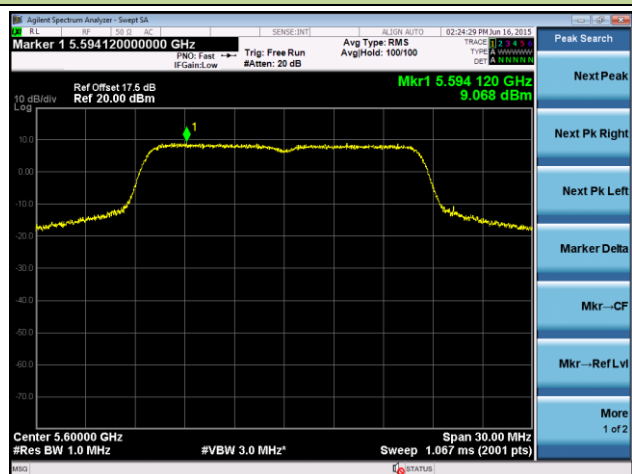
Channel 64 (5320MHz)



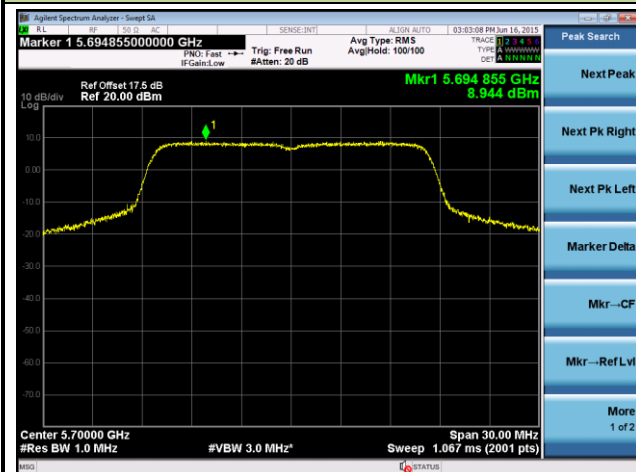
Channel 100 (5500MHz)



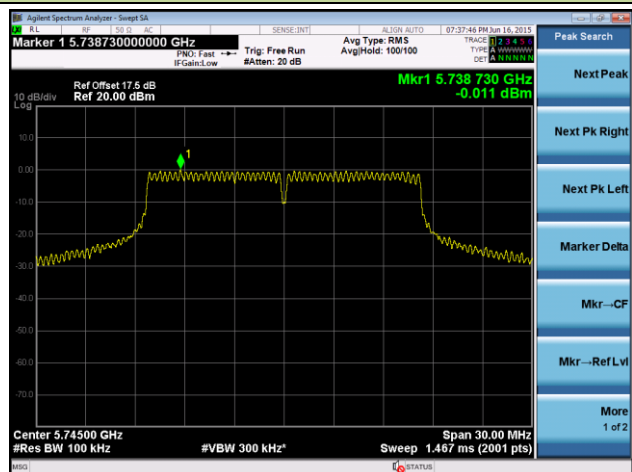
Channel 120 (5600MHz)



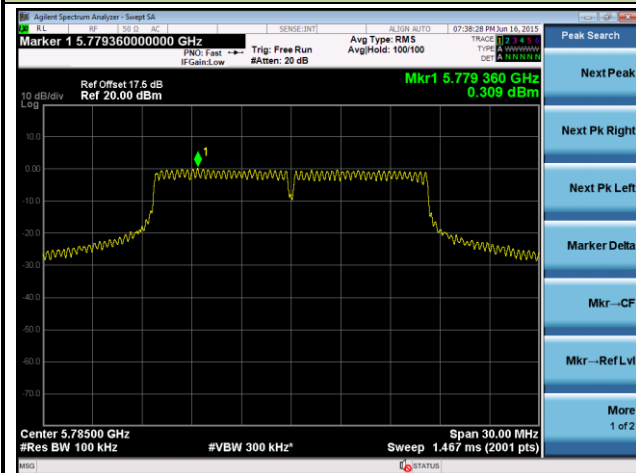
Channel 140 (5700MHz)



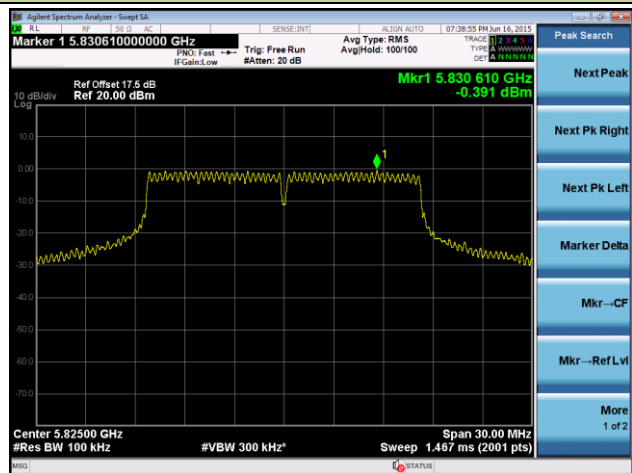
Channel 149 (5745MHz)



Channel 157 (5785MHz)

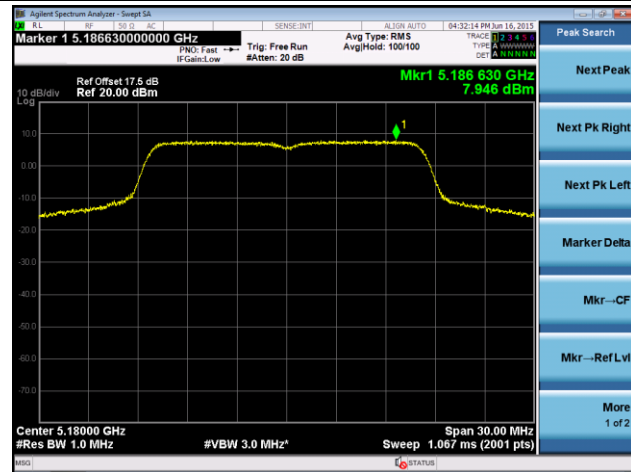


Channel 165 (5825MHz)

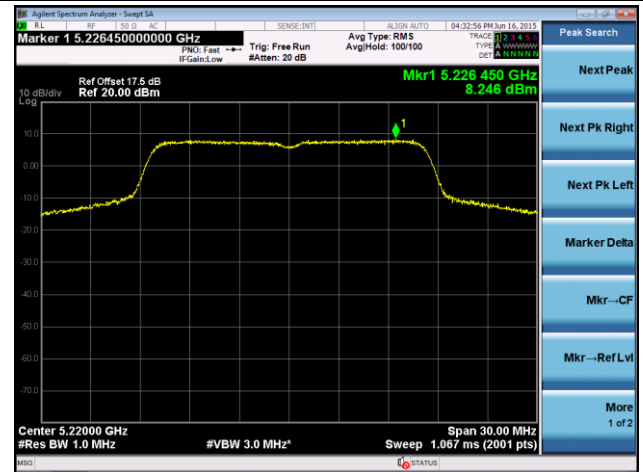


802.11a Power Spectral Density - Ant 1

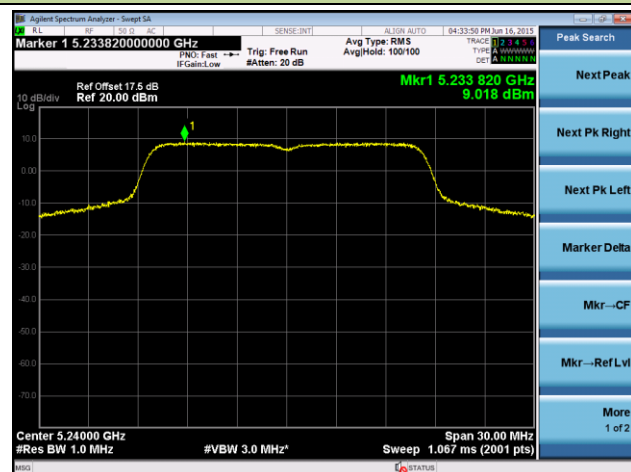
Channel 36 (5180MHz)



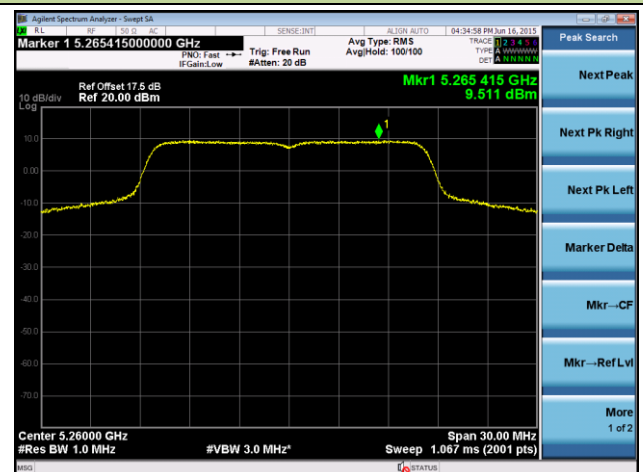
Channel 44 (5220MHz)



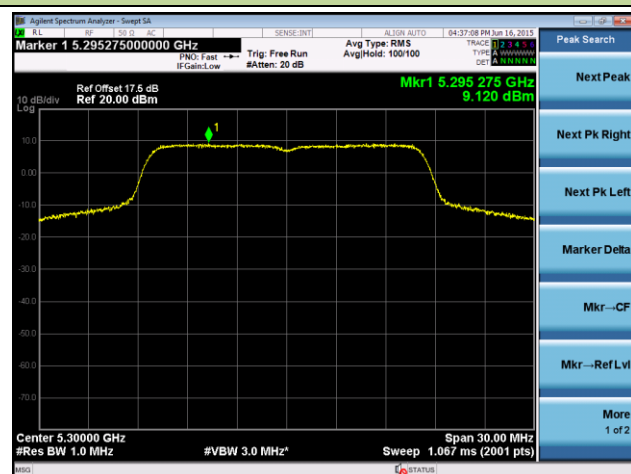
Channel 48 (5240MHz)



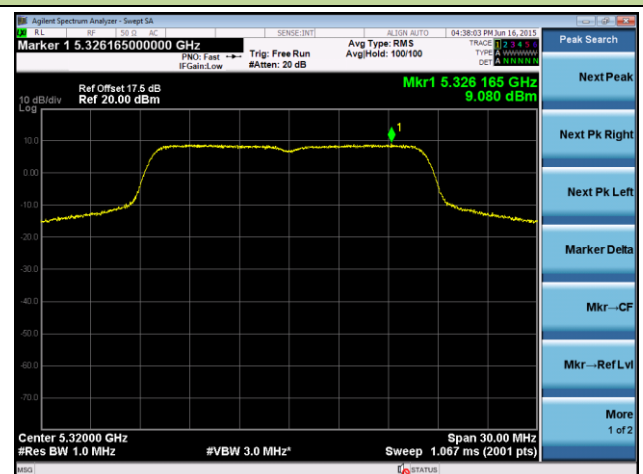
Channel 52 (5260MHz)



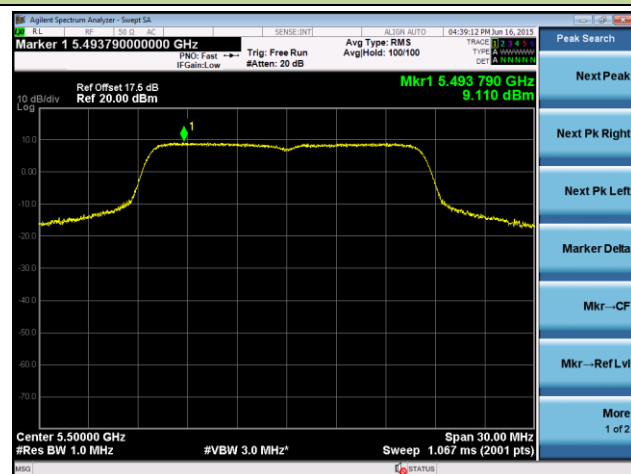
Channel 60 (5300MHz)



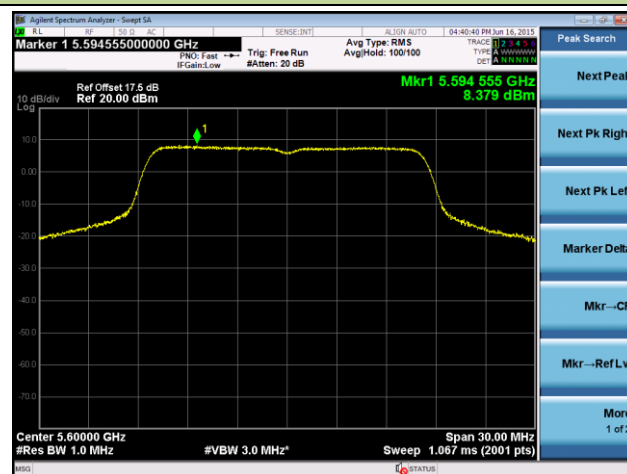
Channel 64 (5320MHz)



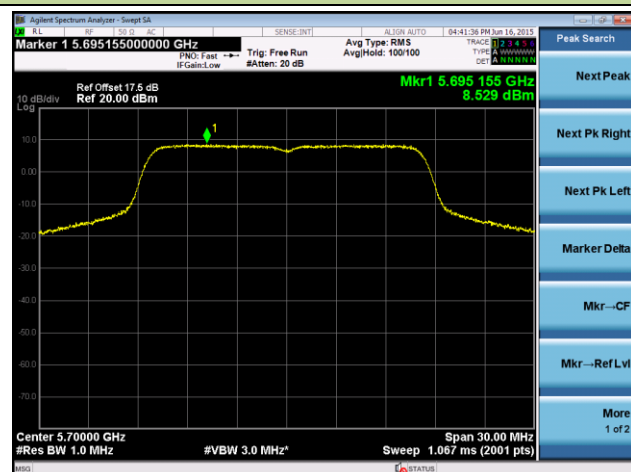
Channel 100 (5500MHz)



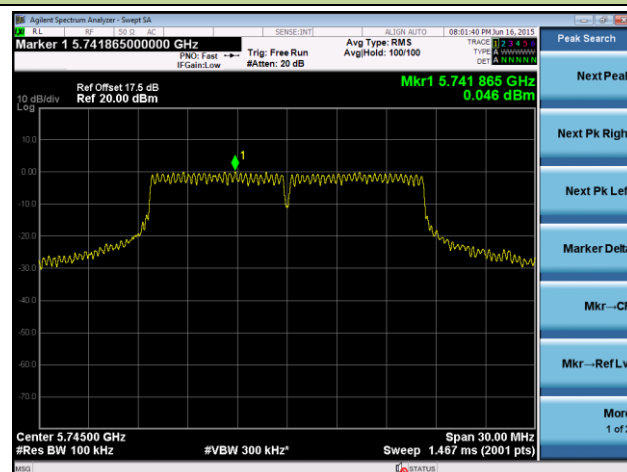
Channel 120 (5600MHz)



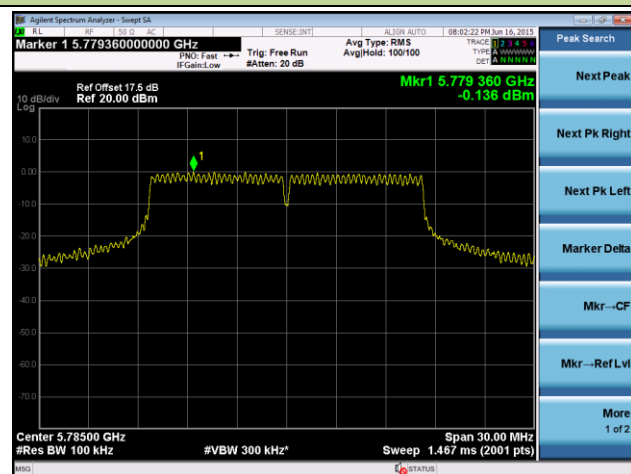
Channel 140 (5700MHz)



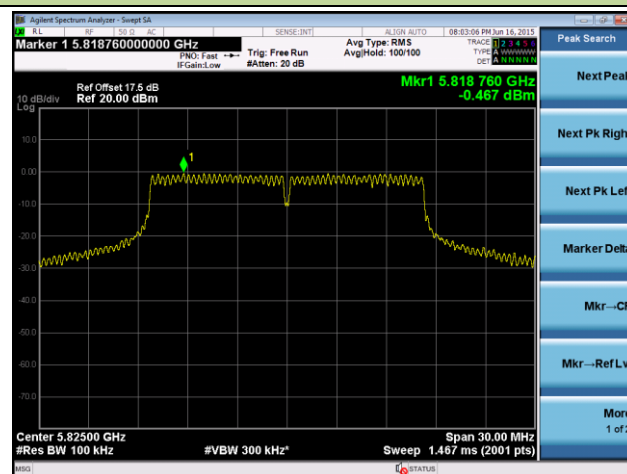
Channel 149 (5745MHz)



Channel 157 (5785MHz)

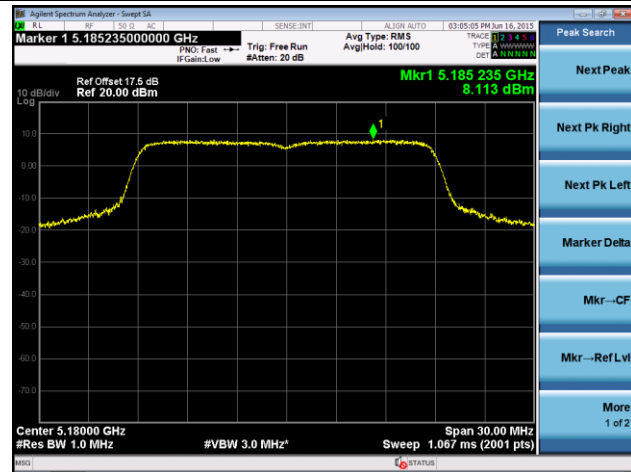


Channel 165 (5825MHz)

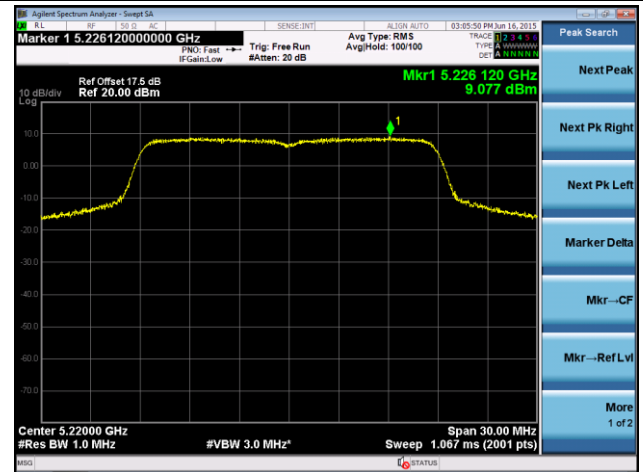


802.11n-HT20 Power Spectral Density - Ant 0

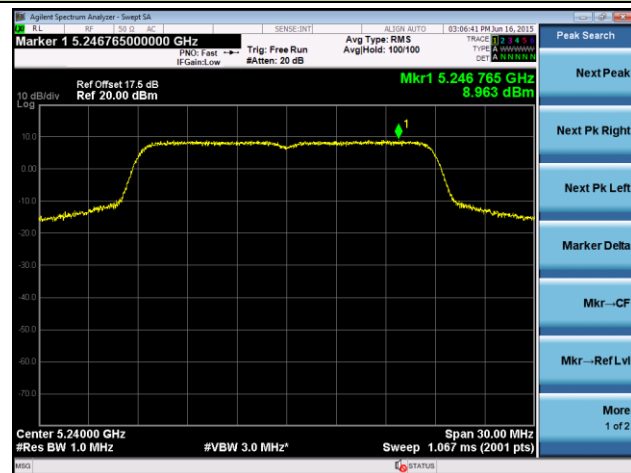
Channel 36 (5180MHz)



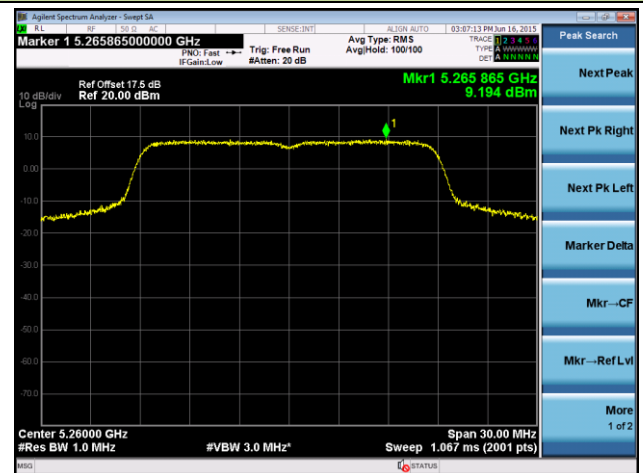
Channel 44 (5220MHz)



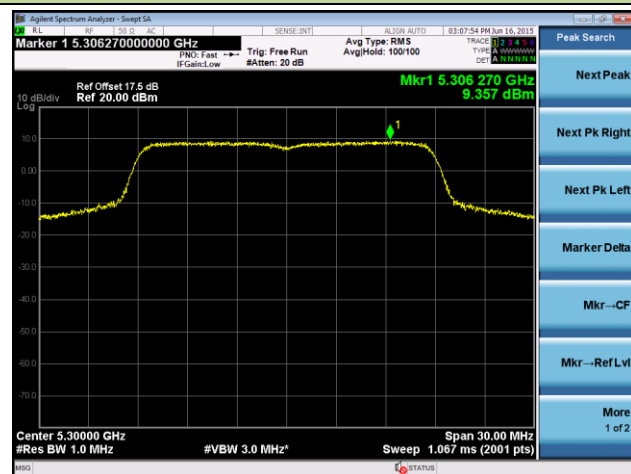
Channel 48 (5240MHz)



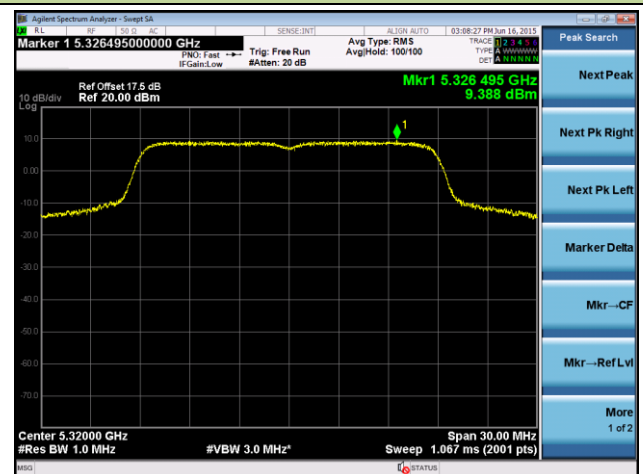
Channel 52 (5260MHz)



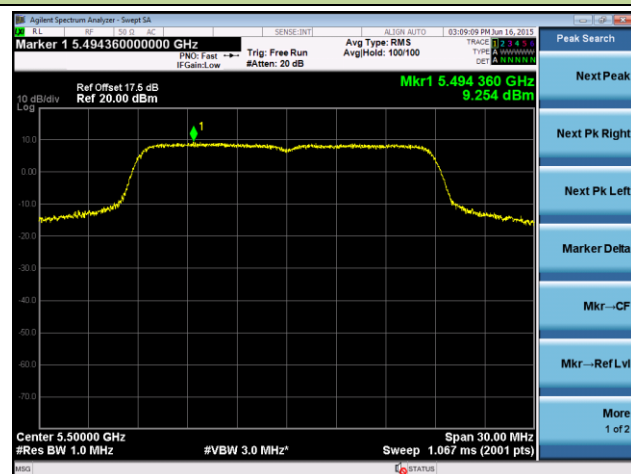
Channel 60 (5300MHz)



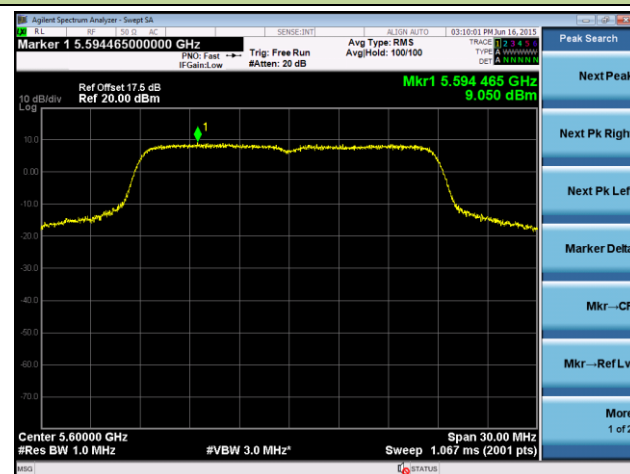
Channel 64 (5320MHz)



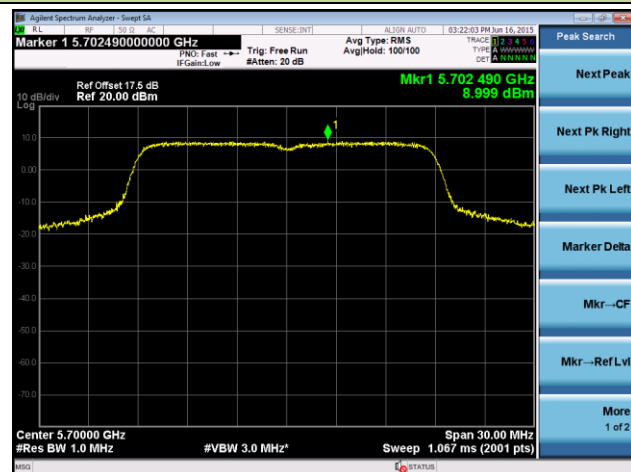
Channel 100 (5500MHz)



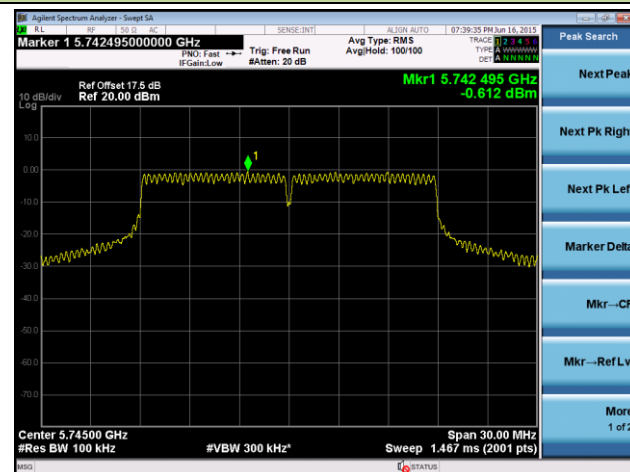
Channel 120 (5600MHz)



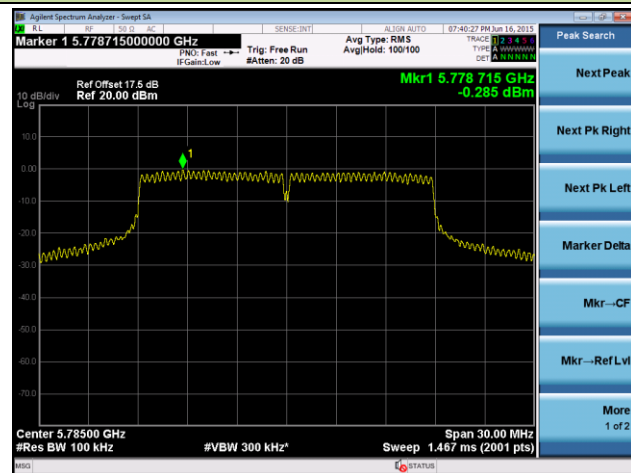
Channel 140 (5700MHz)



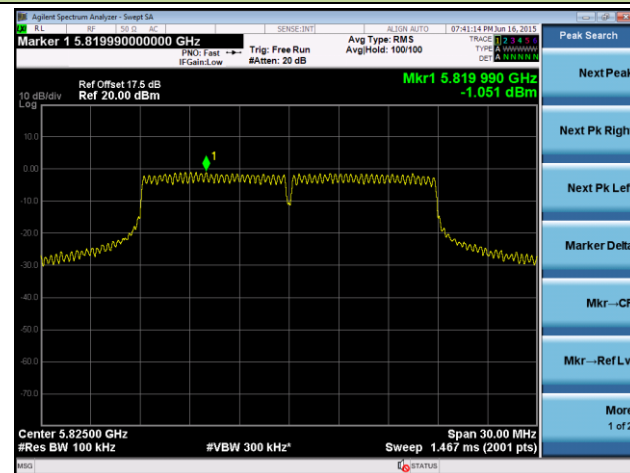
Channel 149 (5745MHz)



Channel 157 (5785MHz)

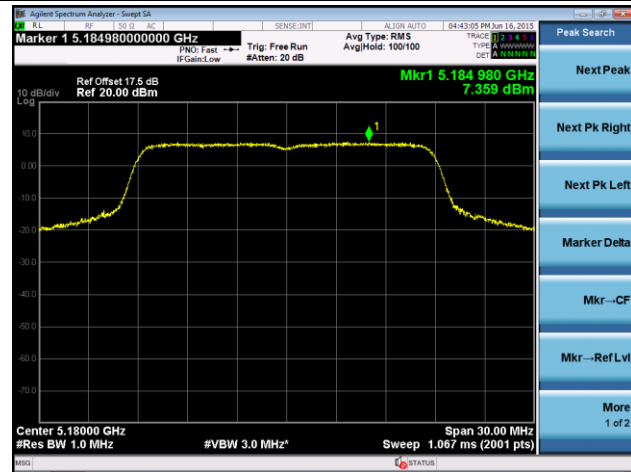


Channel 165 (5825MHz)

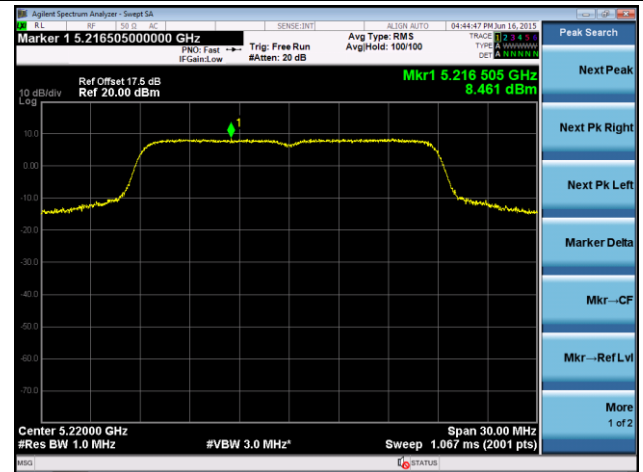


802.11n-HT20 Power Spectral Density - Ant 1

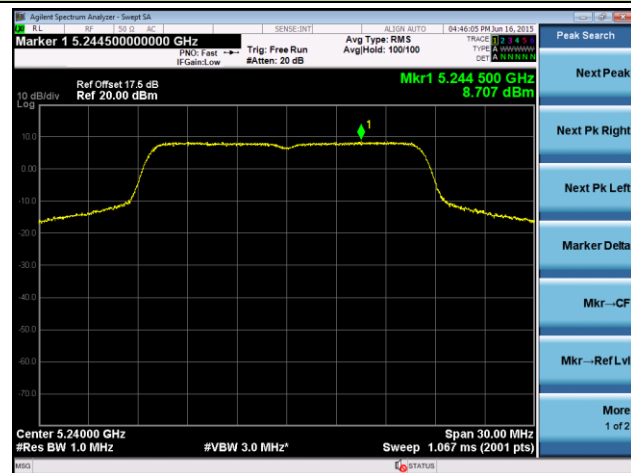
Channel 36 (5180MHz)



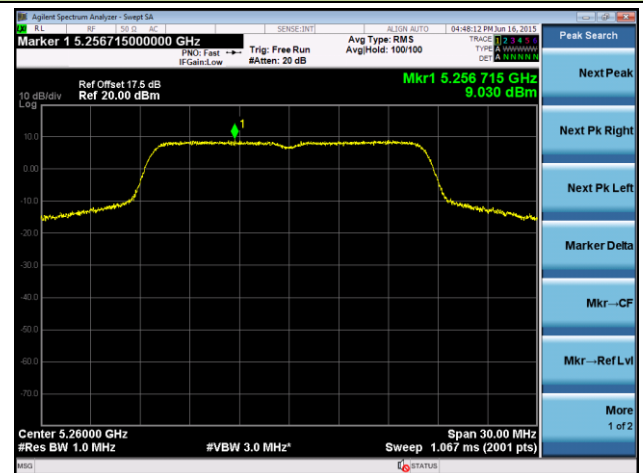
Channel 44 (5220MHz)



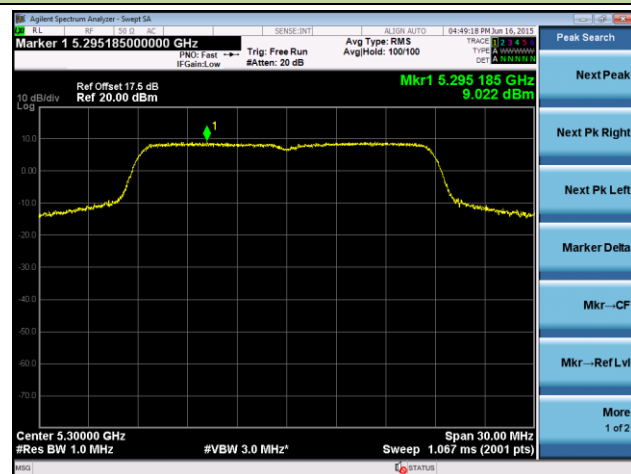
Channel 48 (5240MHz)



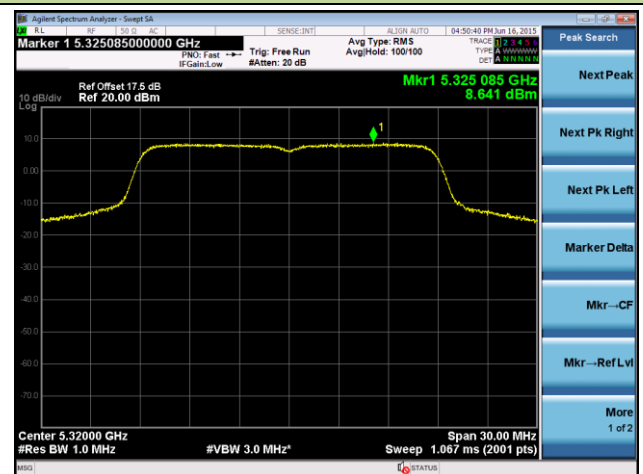
Channel 52 (5260MHz)



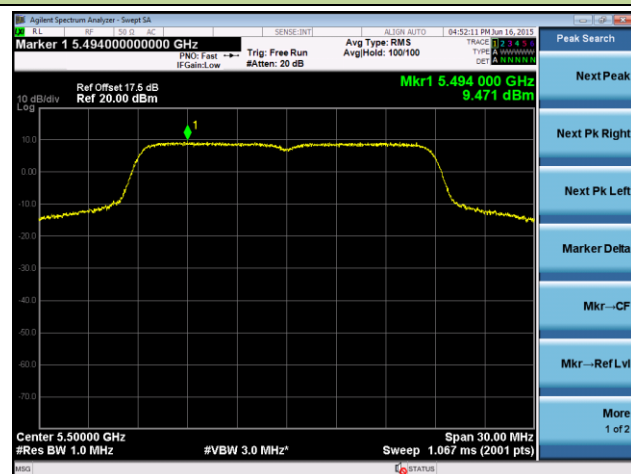
Channel 60 (5300MHz)



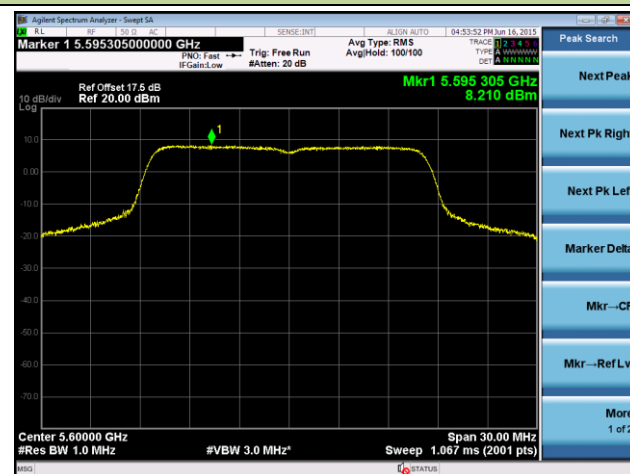
Channel 64 (5320MHz)



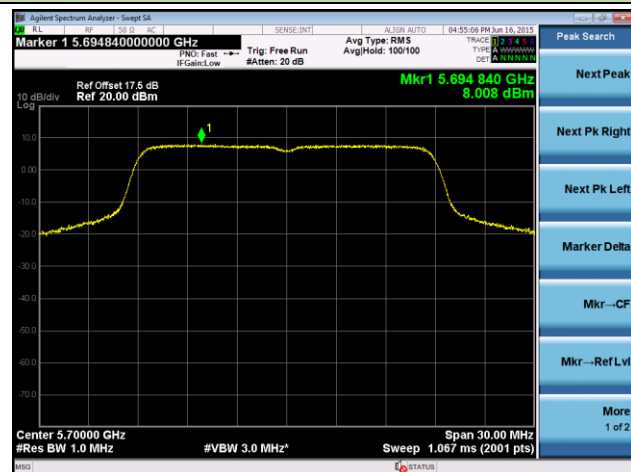
Channel 100 (5500MHz)



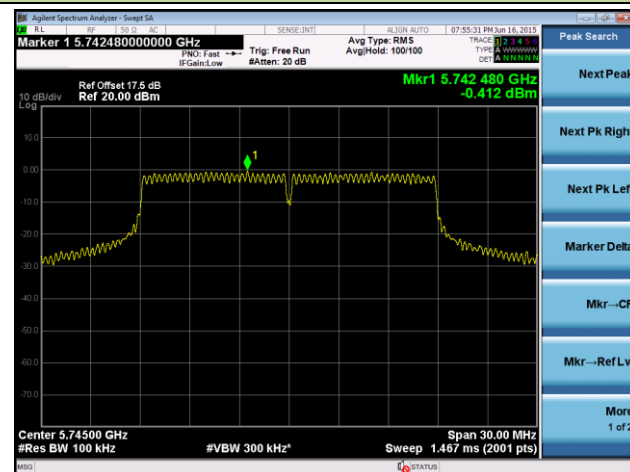
Channel 120 (5600MHz)



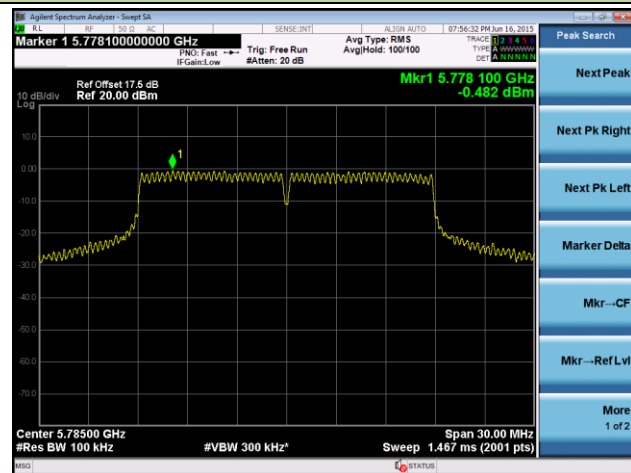
Channel 140 (5700MHz)



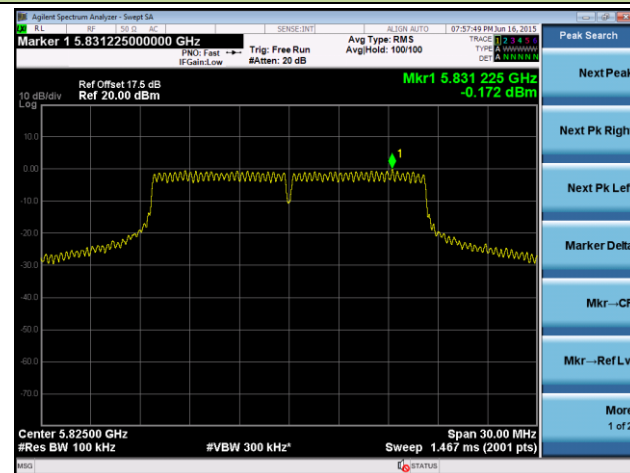
Channel 149 (5745MHz)



Channel 157 (5785MHz)

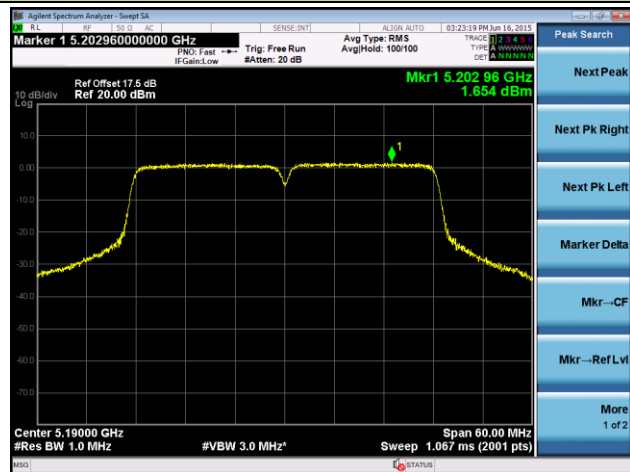


Channel 165 (5825MHz)

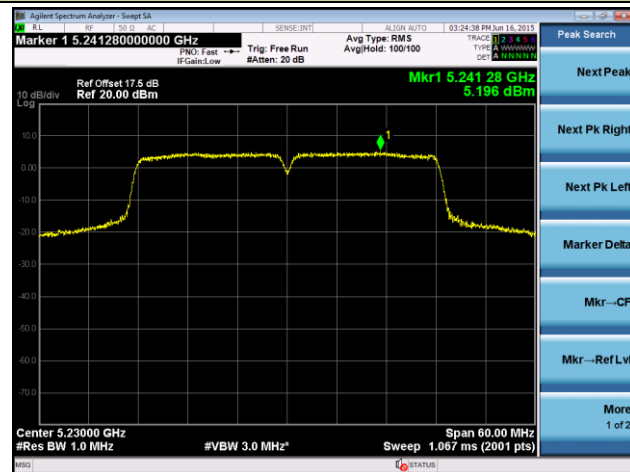


802.11n-HT40 Power Spectral Density - Ant 0

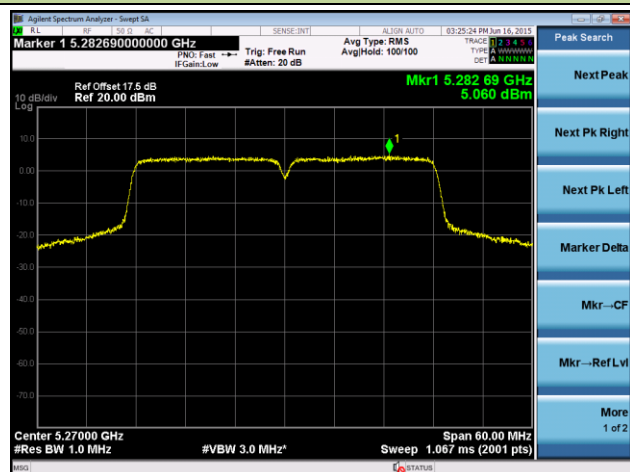
Channel 38 (5190MHz)



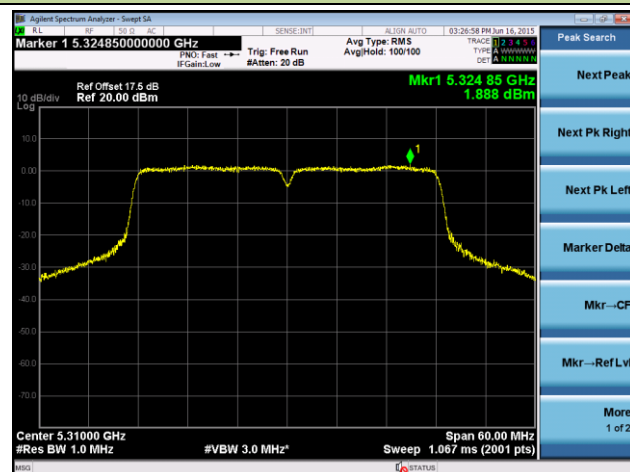
Channel 46 (5230MHz)



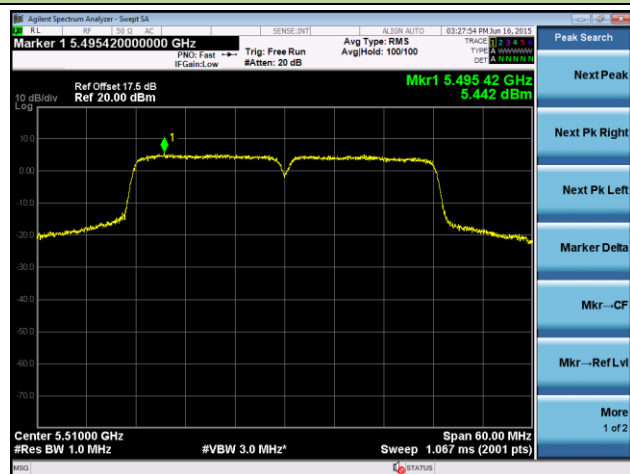
Channel 54 (5270MHz)



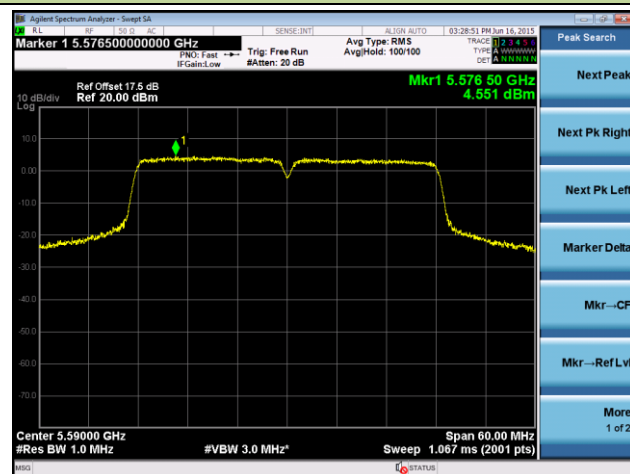
Channel 62 (5310MHz)



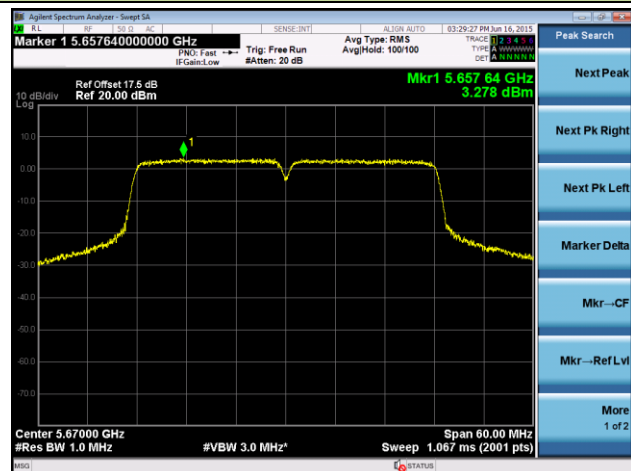
Channel 102 (5510MHz)



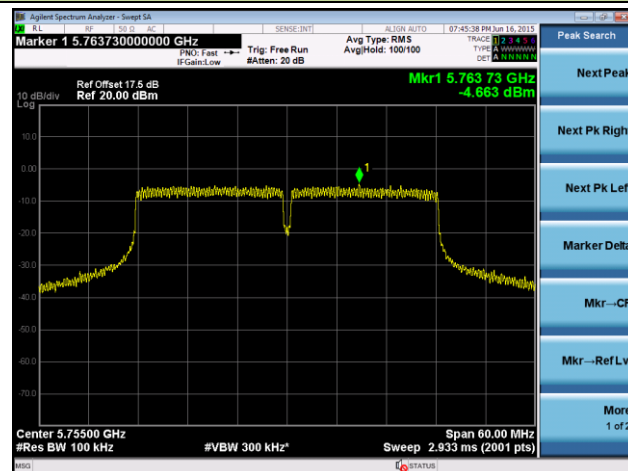
Channel 118 (5590MHz)



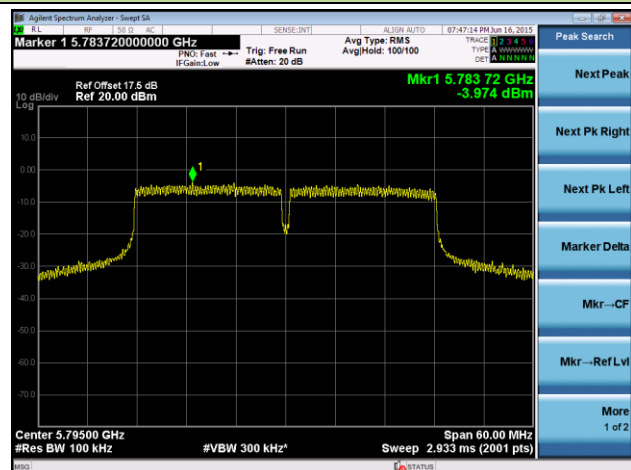
Channel 134 (5670MHz)



Channel 151 (5755MHz)

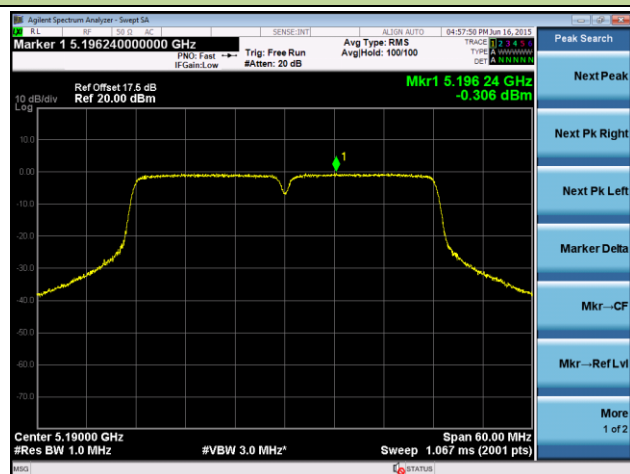


Channel 159 (5795MHz)

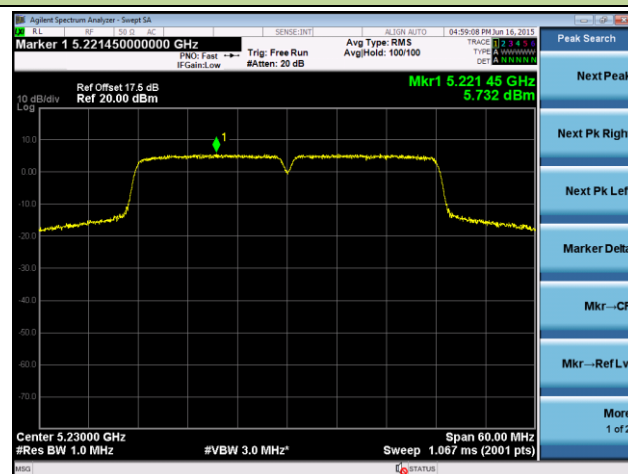


802.11n-HT40 Power Spectral Density - Ant 1

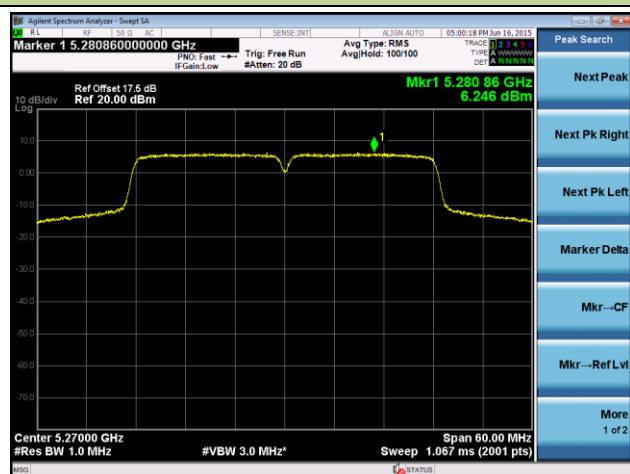
Channel 38 (5190MHz)



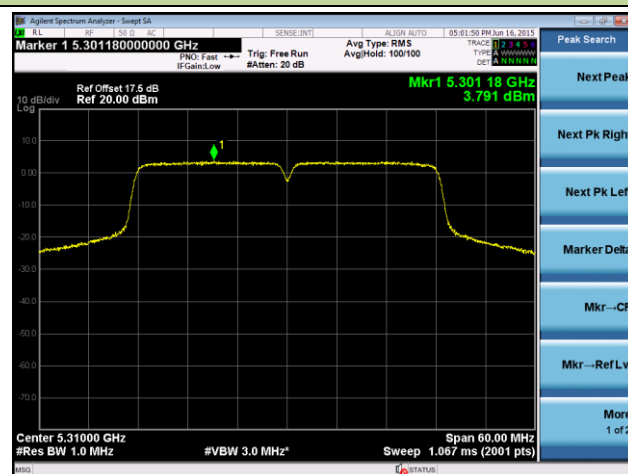
Channel 46 (5230MHz)



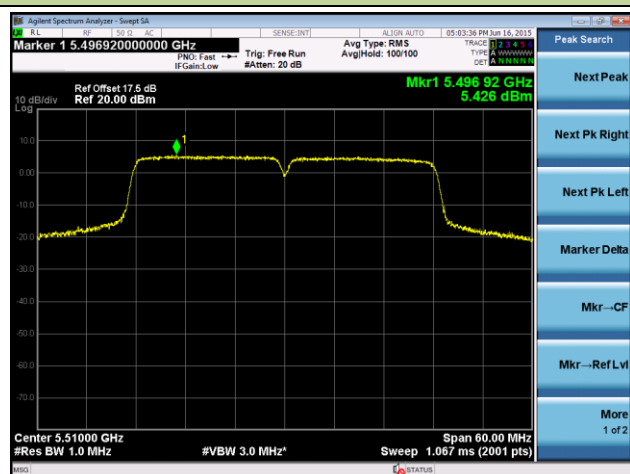
Channel 54 (5270MHz)



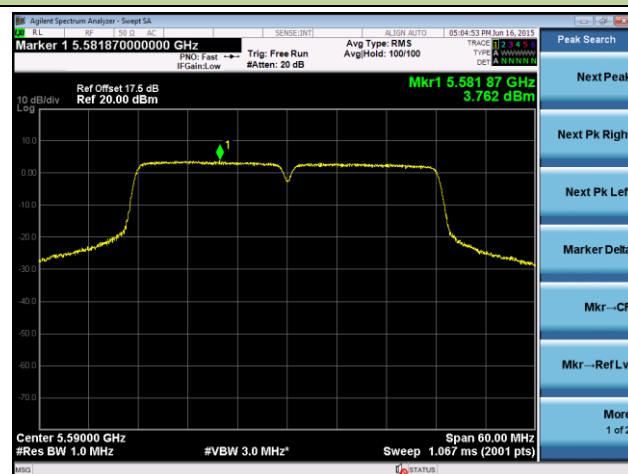
Channel 62 (5310MHz)



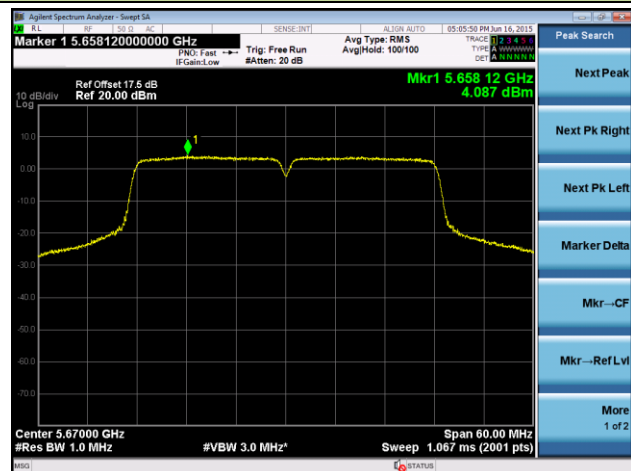
Channel 102 (5510MHz)



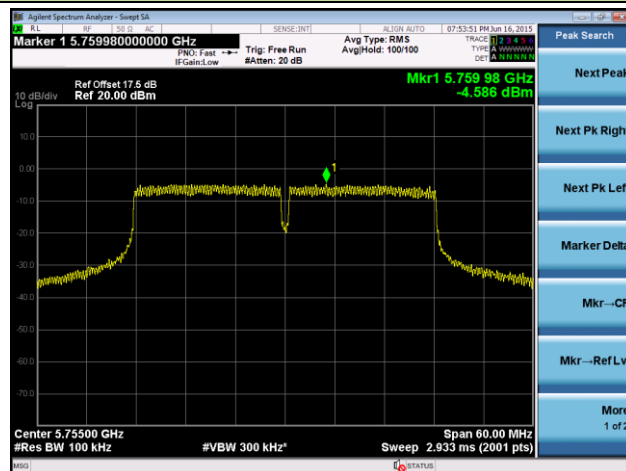
Channel 118 (5590MHz)



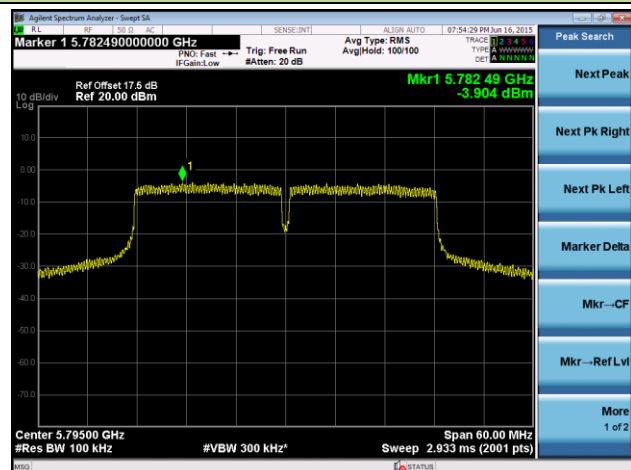
Channel 134 (5670MHz)



Channel 151 (5755 MHz)

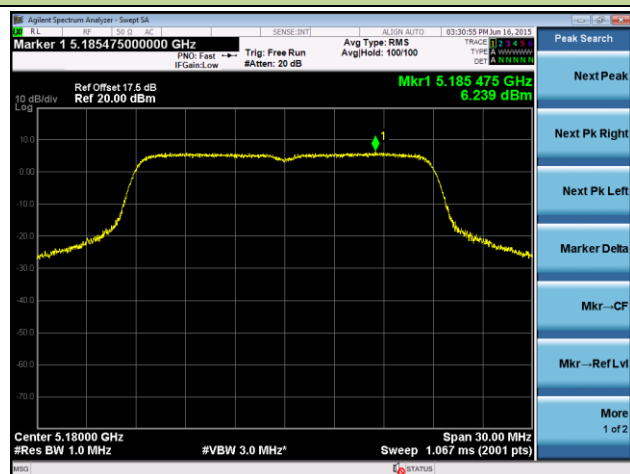


Channel 159 (5795 MHz)

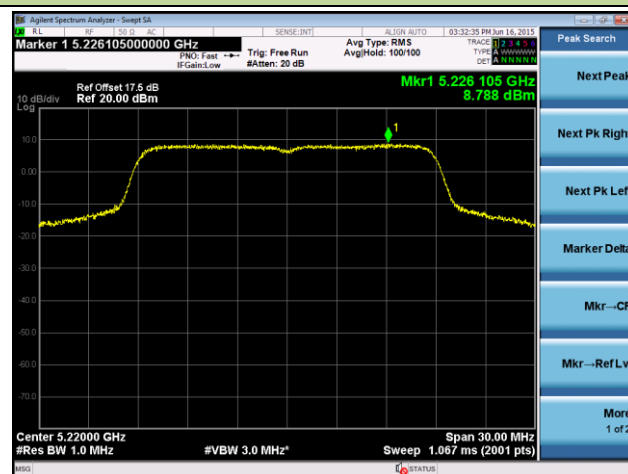


802.11ac-VHT20 Power Spectral Density - Ant 0

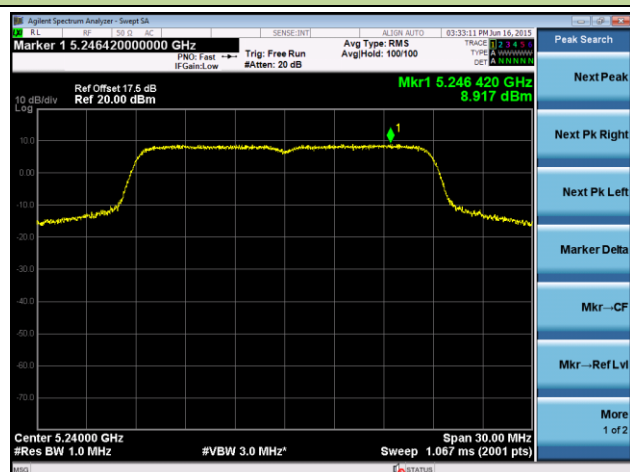
Channel 36 (5180MHz)



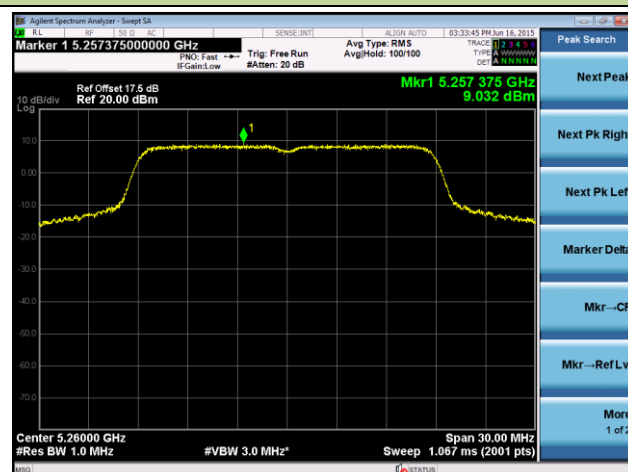
Channel 44 (5220MHz)



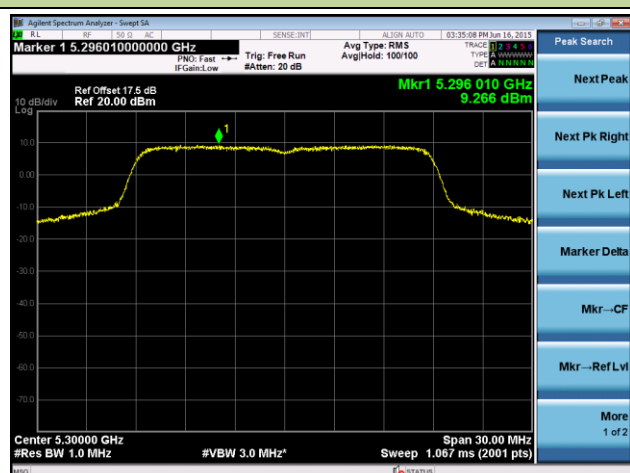
Channel 48 (5240MHz)



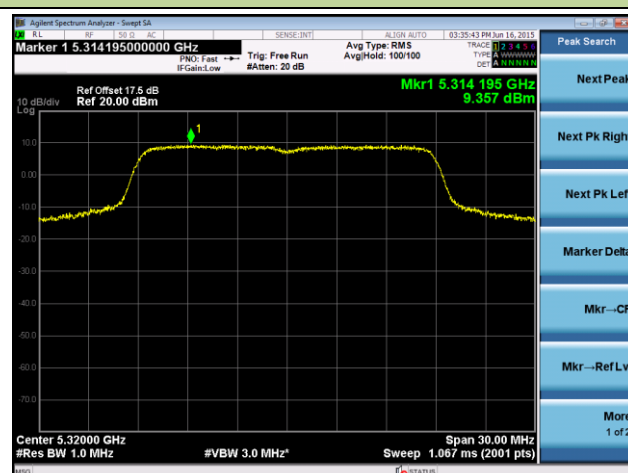
Channel 52 (5260MHz)



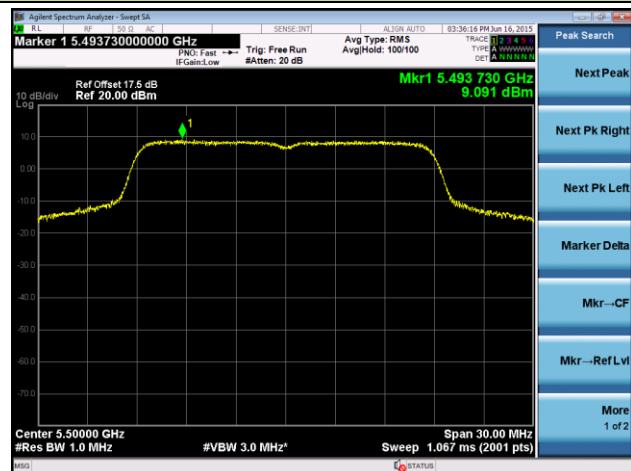
Channel 60 (5300MHz)



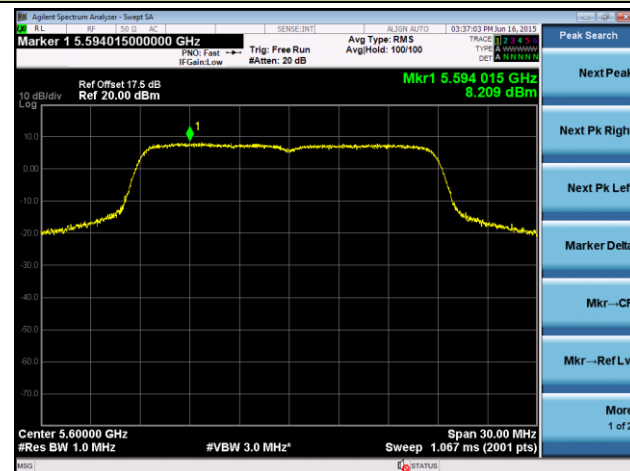
Channel 64 (5320MHz)



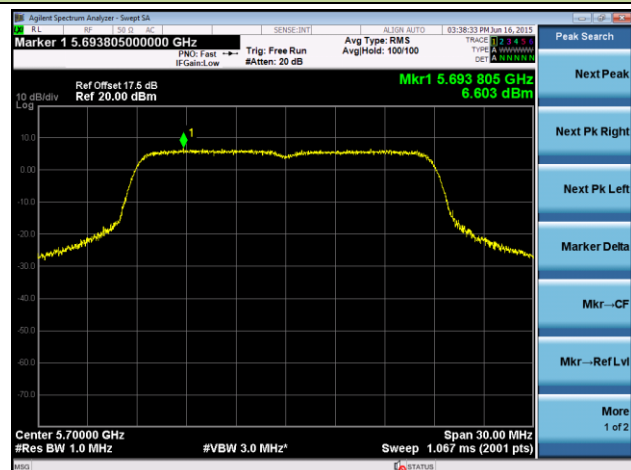
Channel 100 (5500MHz)



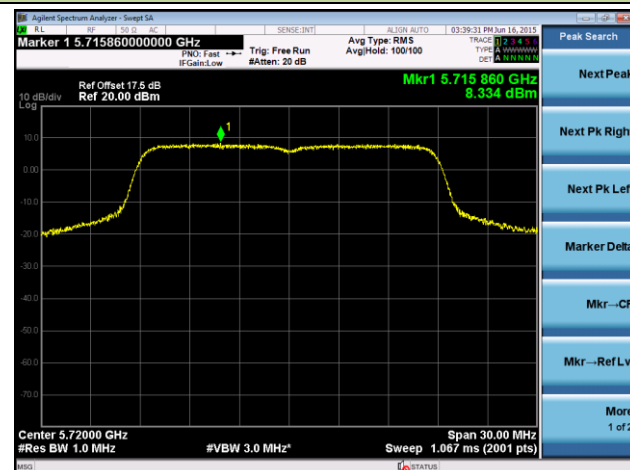
Channel 120 (5600MHz)



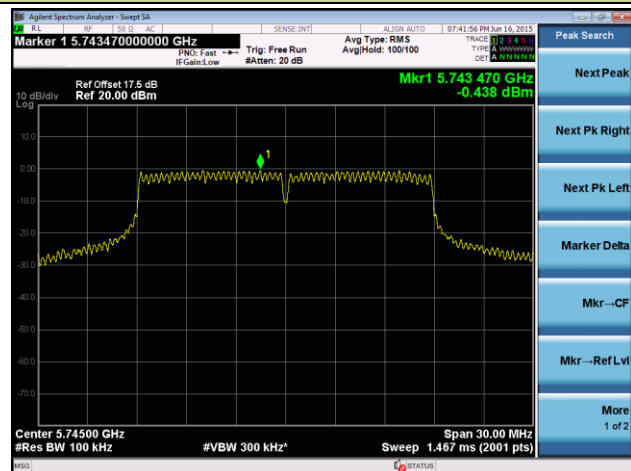
Channel 140 (5700MHz)



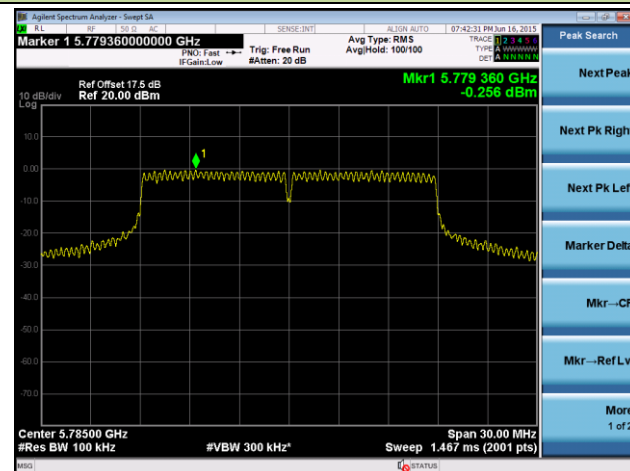
Channel 144 (5720MHz)



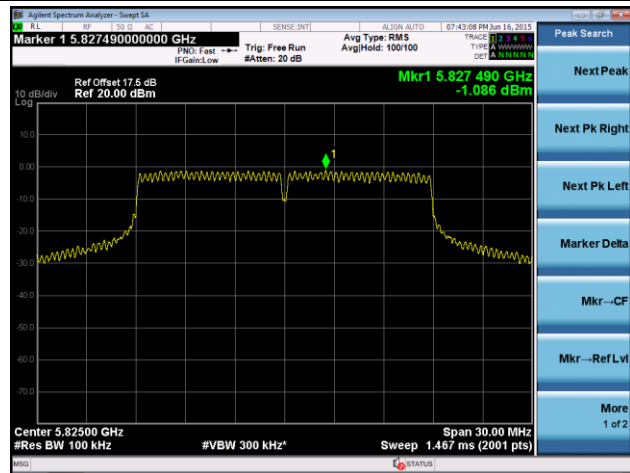
Channel 149 (5745MHz)



Channel 157 (5785MHz)

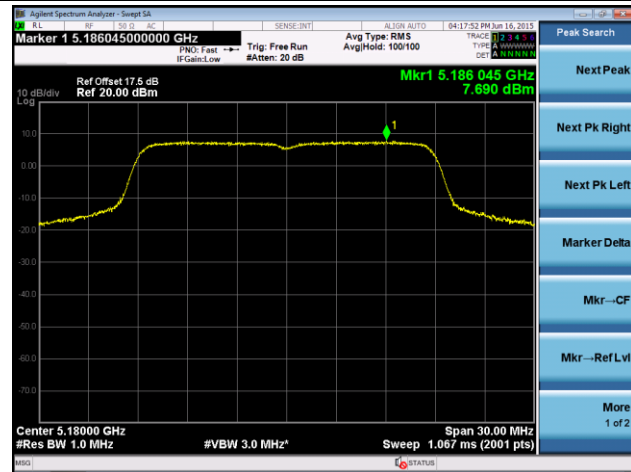


Channel 165 (5825MHz)

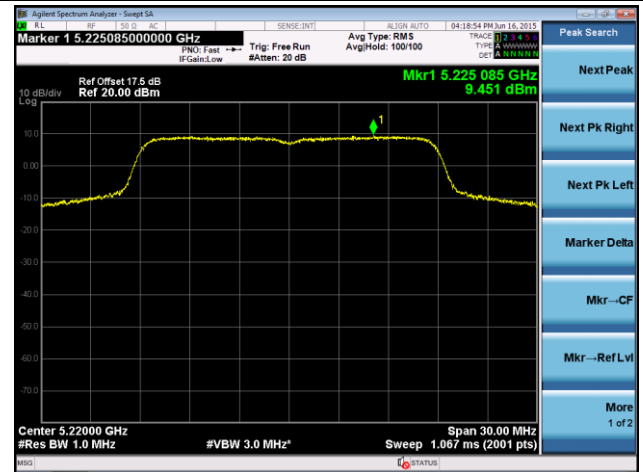


802.11ac-VHT20 Power Spectral Density - Ant 1

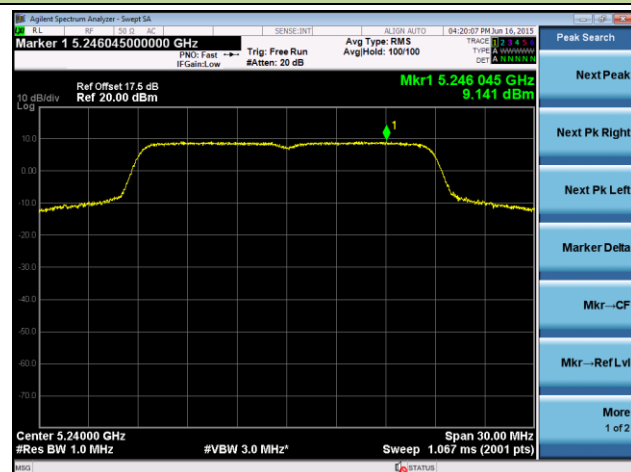
Channel 36 (5180MHz)



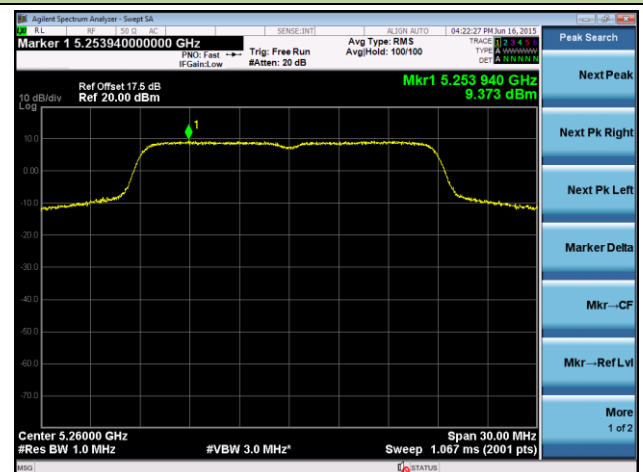
Channel 44 (5220MHz)



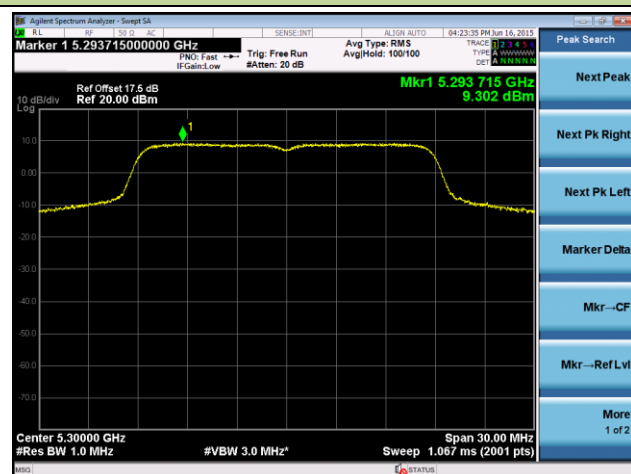
Channel 48 (5240MHz)



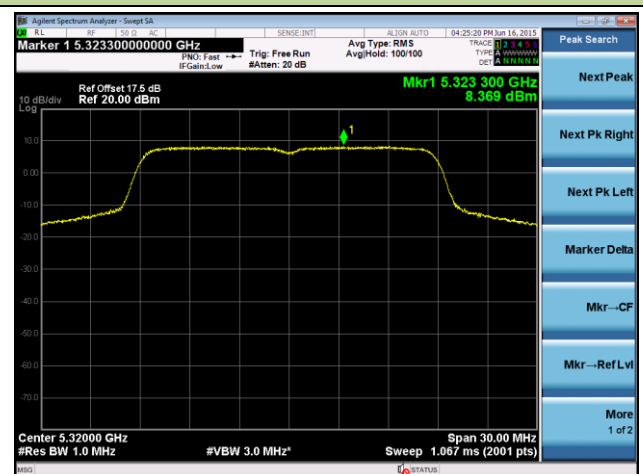
Channel 52 (5260MHz)



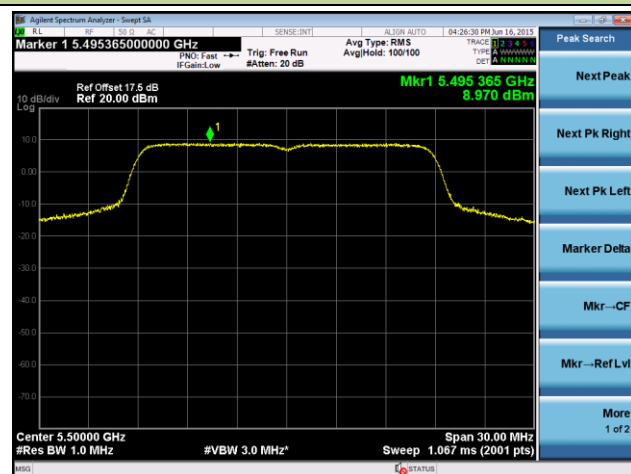
Channel 60 (5300MHz)



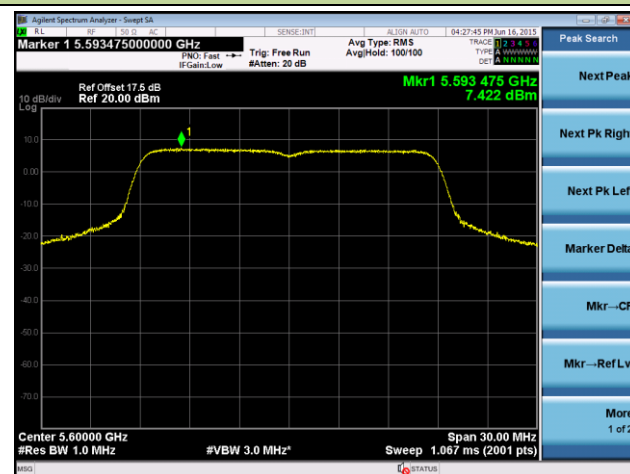
Channel 64 (5320MHz)



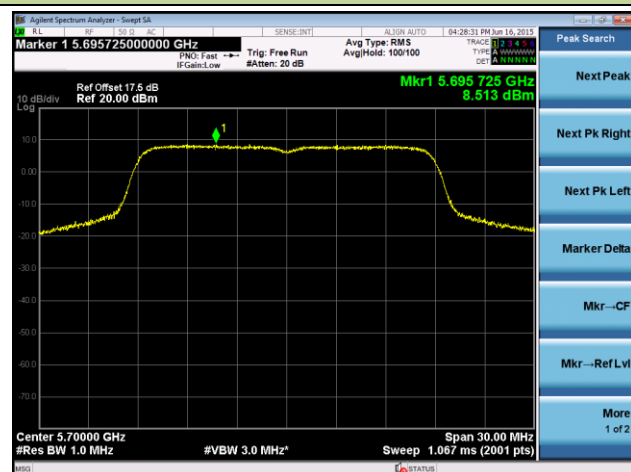
Channel 100 (5500MHz)



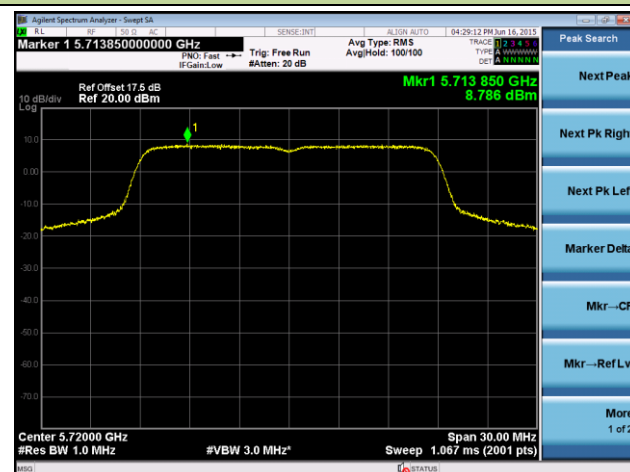
Channel 120 (5600MHz)



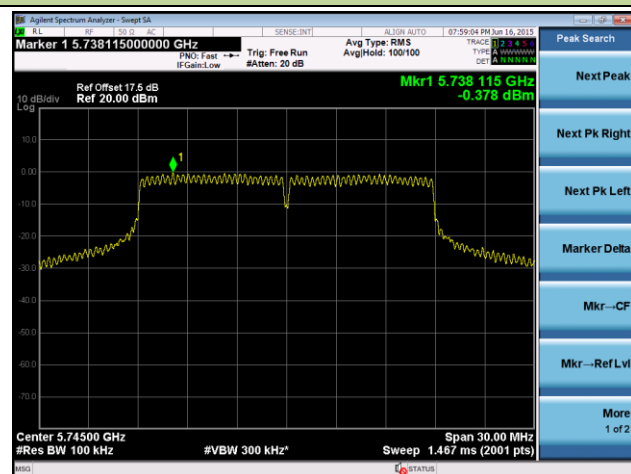
Channel 140 (5700MHz)



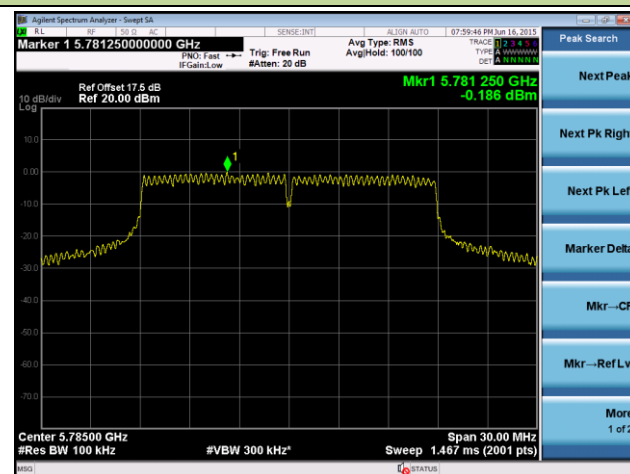
Channel 144 (5720MHz)



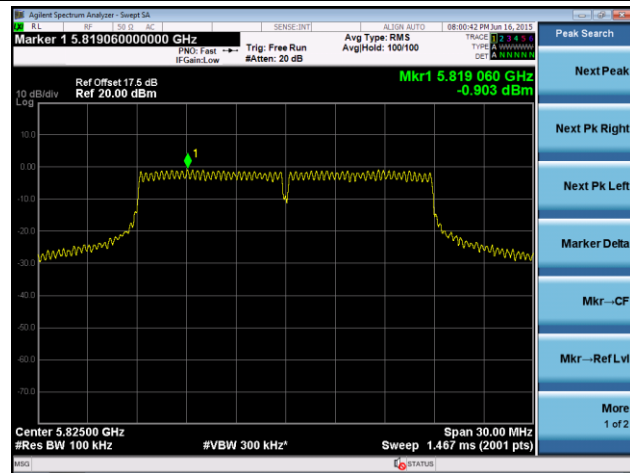
Channel 149 (5745MHz)



Channel 157 (5785MHz)

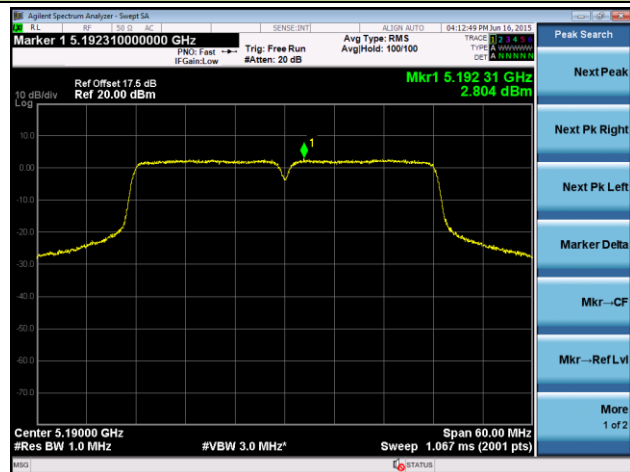


Channel 165 (5825MHz)

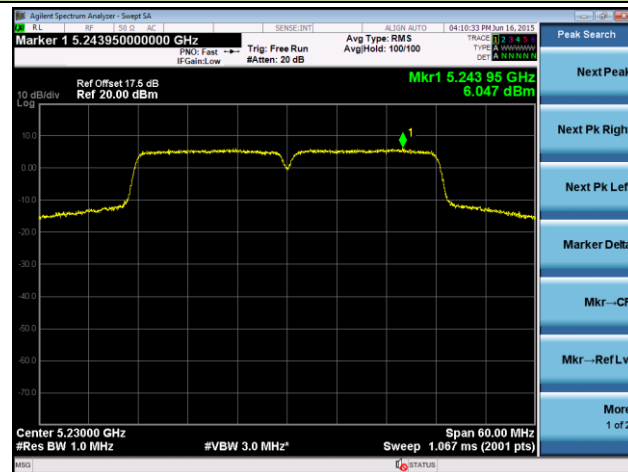


802.11ac-VHT40 Power Spectral Density - Ant 1

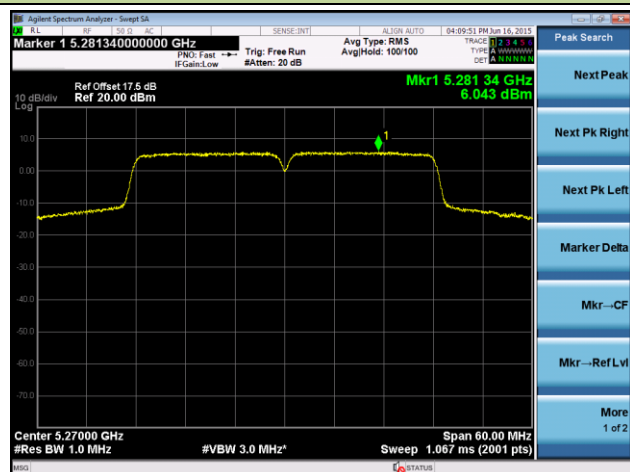
Channel 38 (5190MHz)



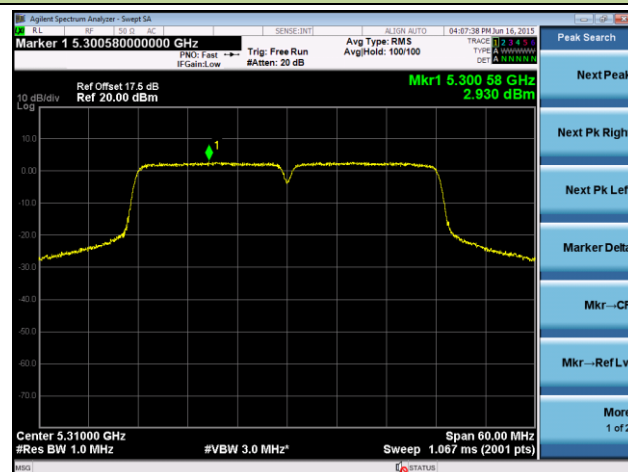
Channel 46 (5230MHz)



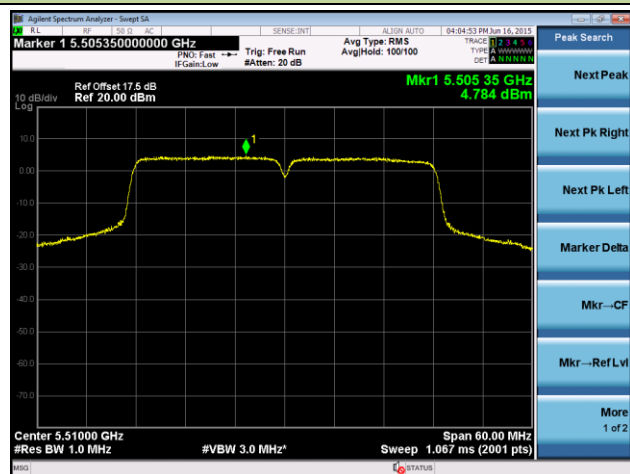
Channel 54 (5270MHz)



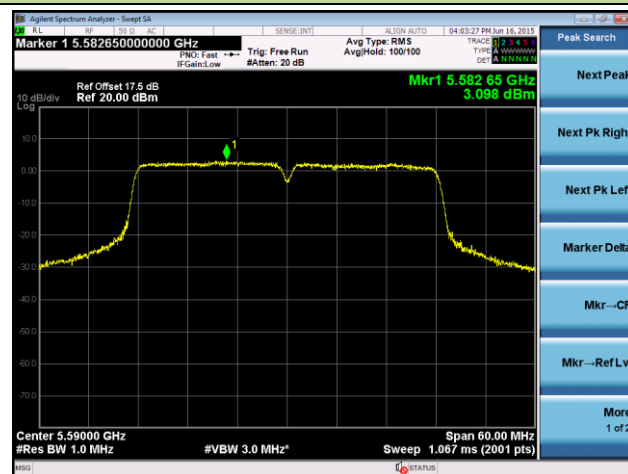
Channel 62 (5310MHz)



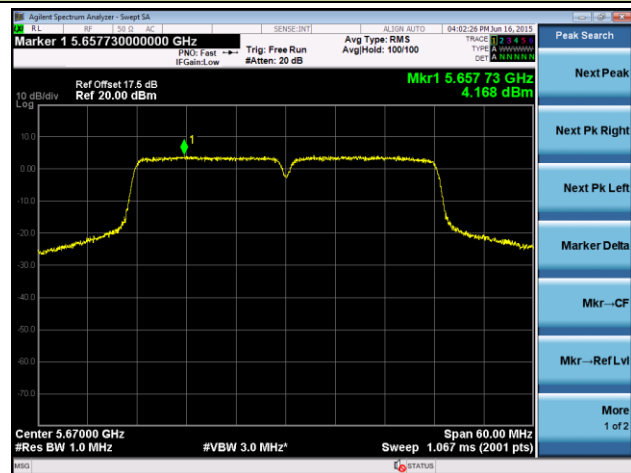
Channel 102 (5510MHz)



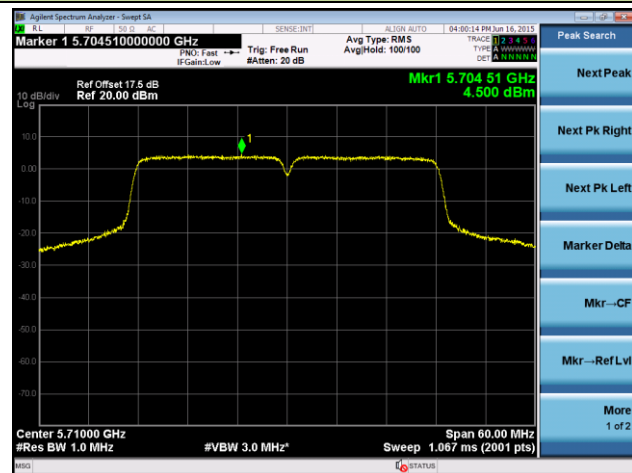
Channel 118 (5590MHz)



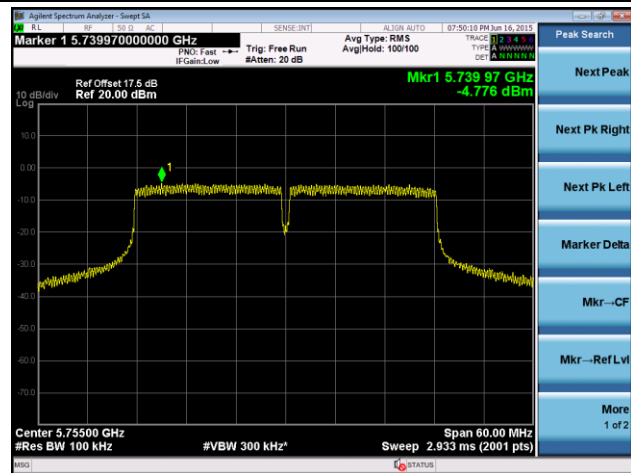
Channel 134 (5670MHz)



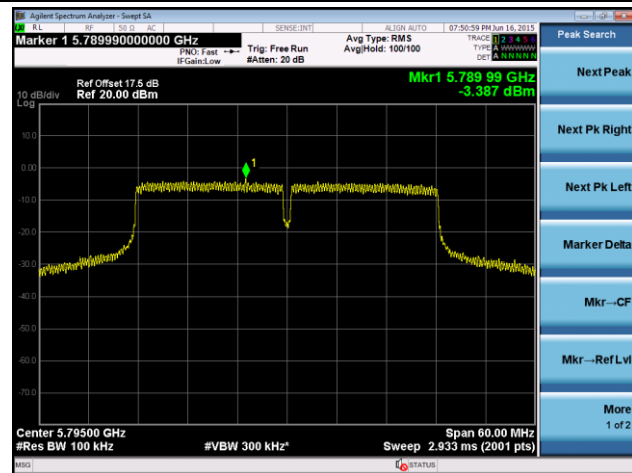
Channel 142 (5710MHz)



Channel 151 (5755MHz)

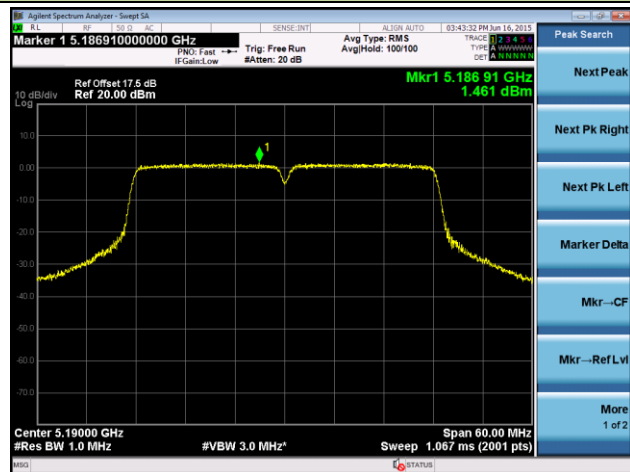


Channel 159 (5795MHz)

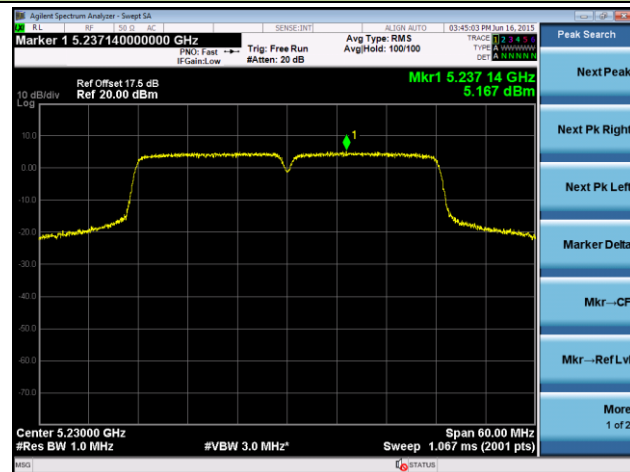


802.11ac-VHT40 Power Spectral Density - Ant 0

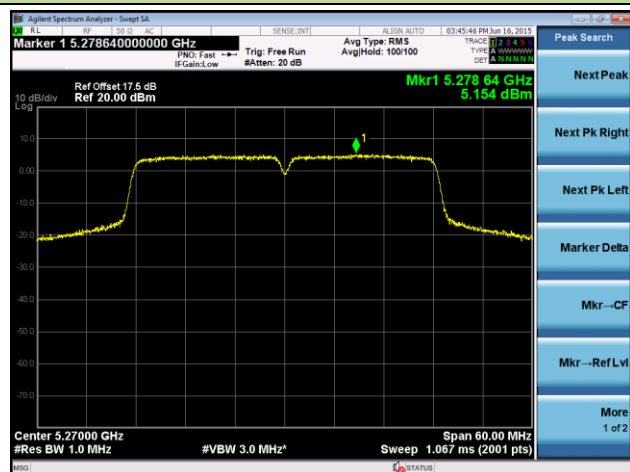
Channel 38 (5190MHz)



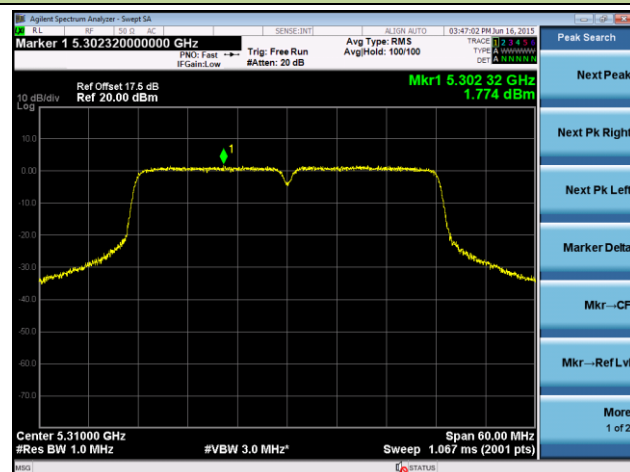
Channel 46 (5230MHz)



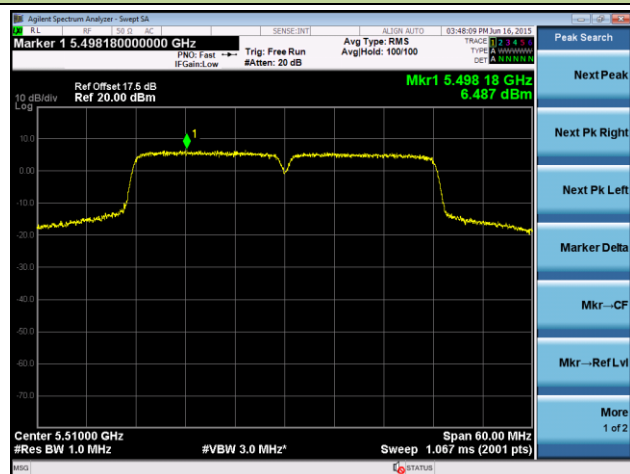
Channel 54 (5270MHz)



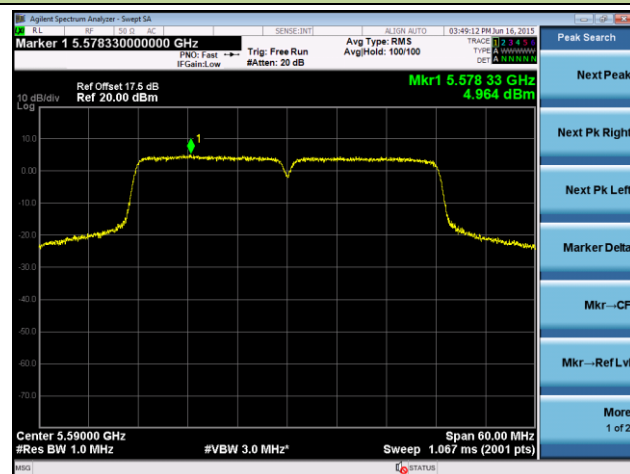
Channel 62 (5310MHz)



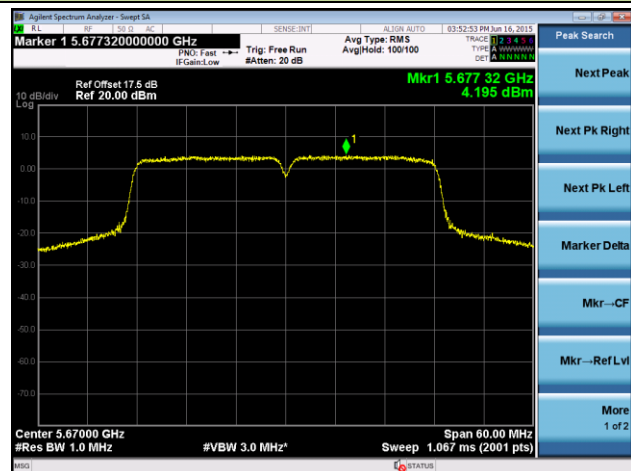
Channel 102 (5510MHz)



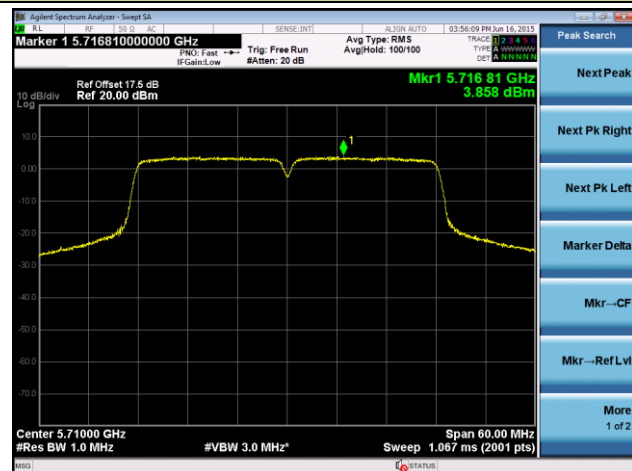
Channel 118 (5590MHz)



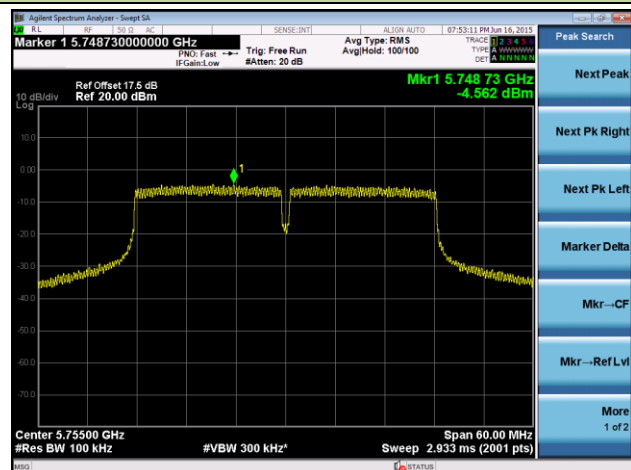
Channel 134 (5670MHz)



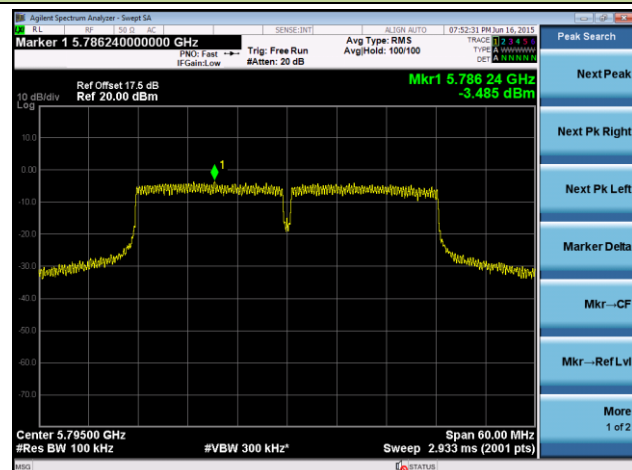
Channel 142 (5710MHz)



Channel 151(5755MHz)

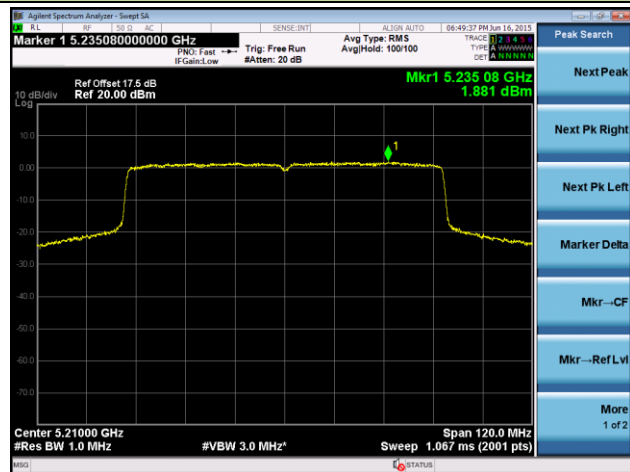


Channel 159 (5795MHz)

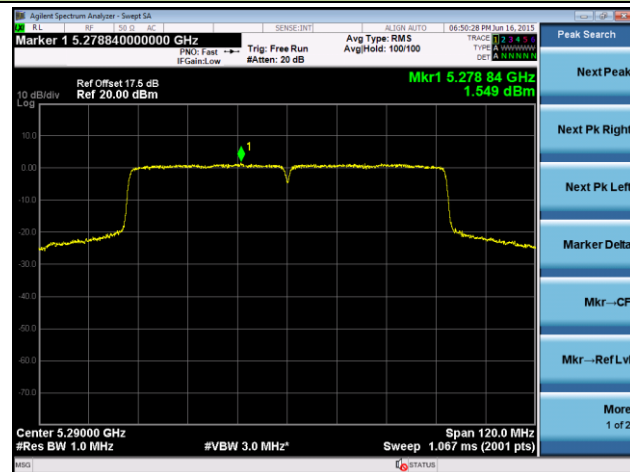


802.11ac-VHT80 Power Spectral Density - Ant 0

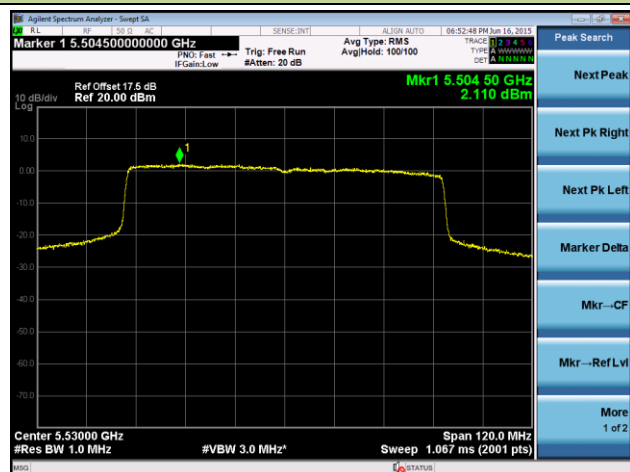
Channel 42 (5210MHz)



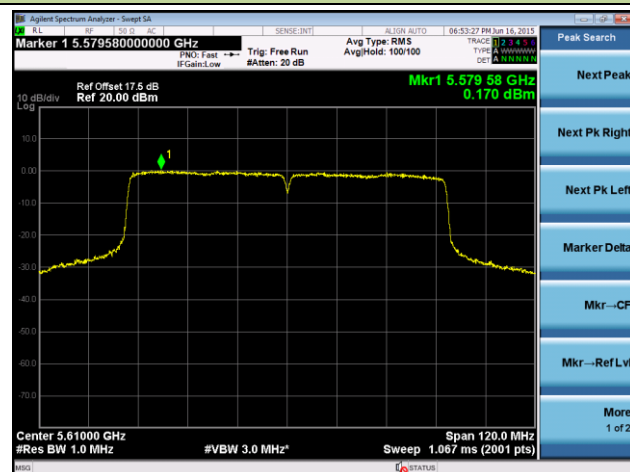
Channel 58 (5290MHz)



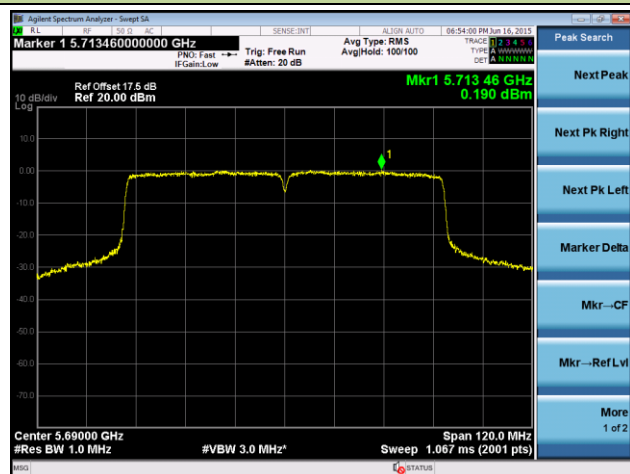
Channel 106 (5530MHz)



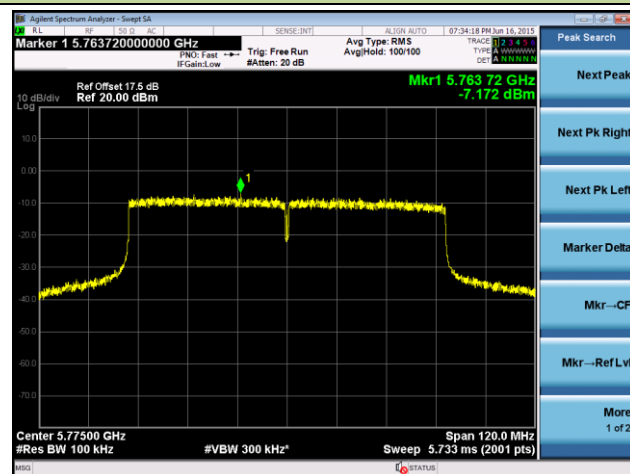
Channel 122 (5610MHz)



Channel 138 (5690MHz)

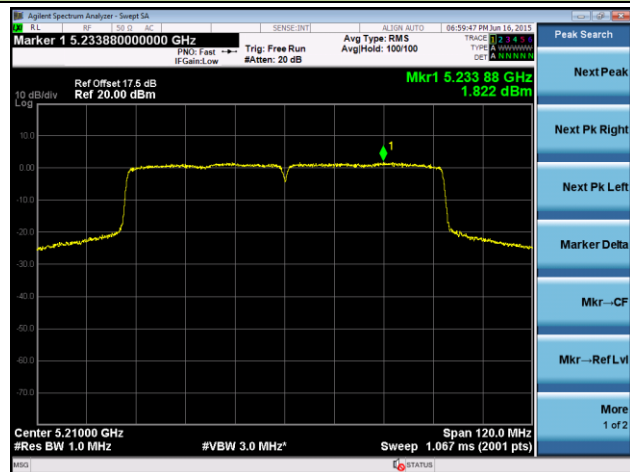


Channel 155 (5775MHz)

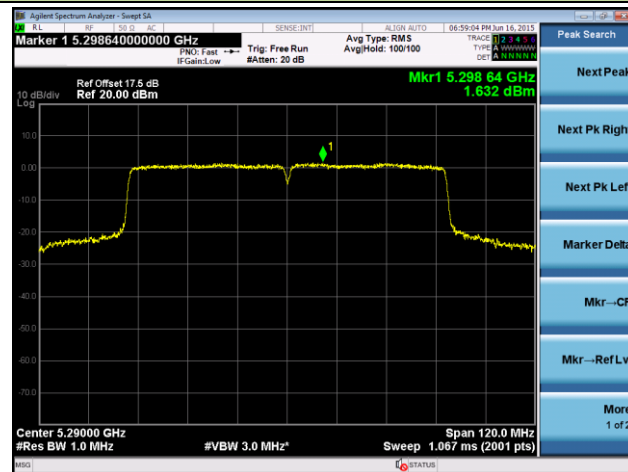


802.11ac-VHT80 Power Spectral Density - Ant 1

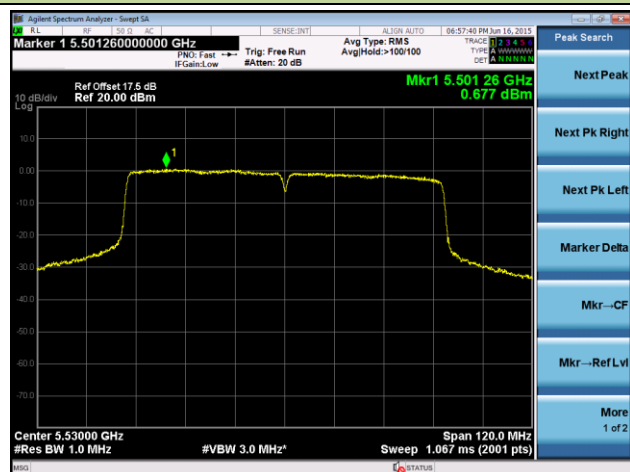
Channel 42 (5210MHz)



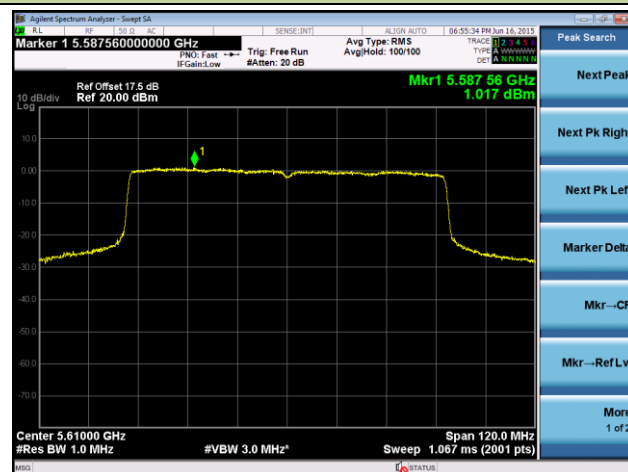
Channel 58 (5290MHz)



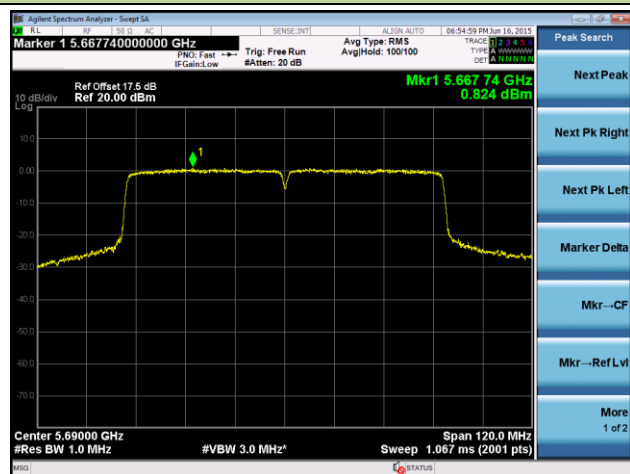
Channel 106 (5530MHz)



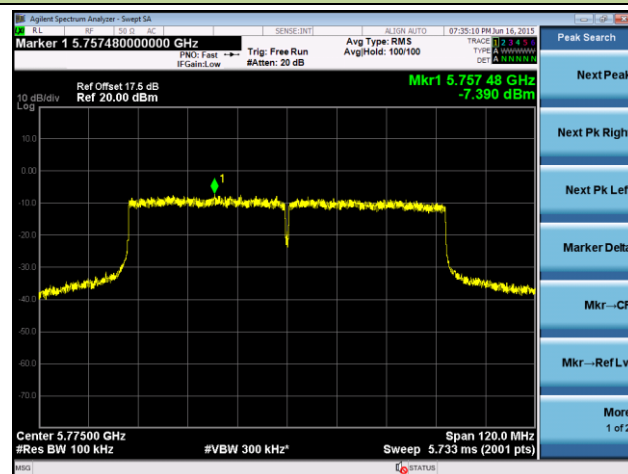
Channel 122 (5610MHz)



Channel 138 (5690MHz)

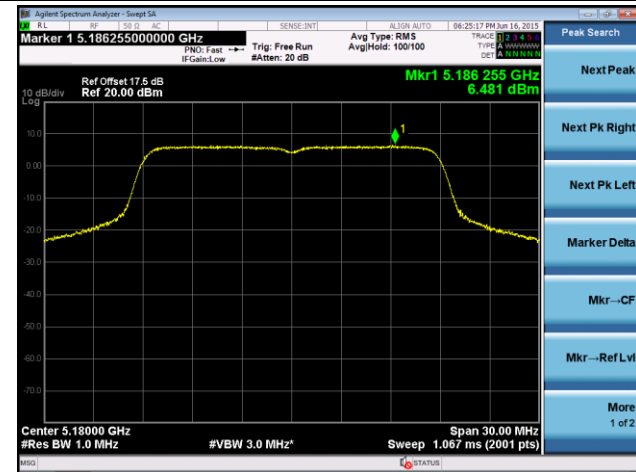


Channel 155 (5755MHz)

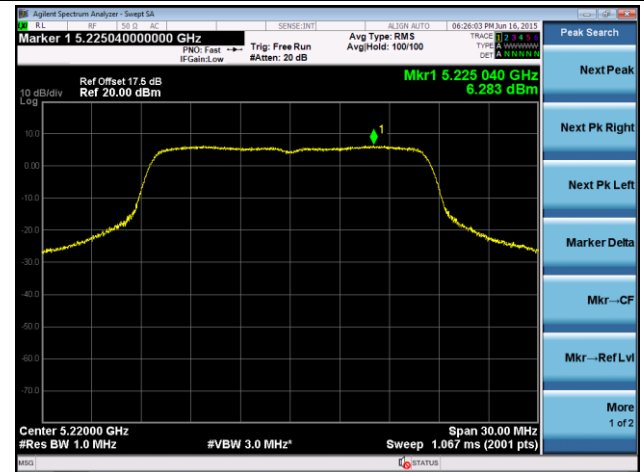


802.11n-HT20 Power Spectral Density - Ant 0 / Ant 0 + 1

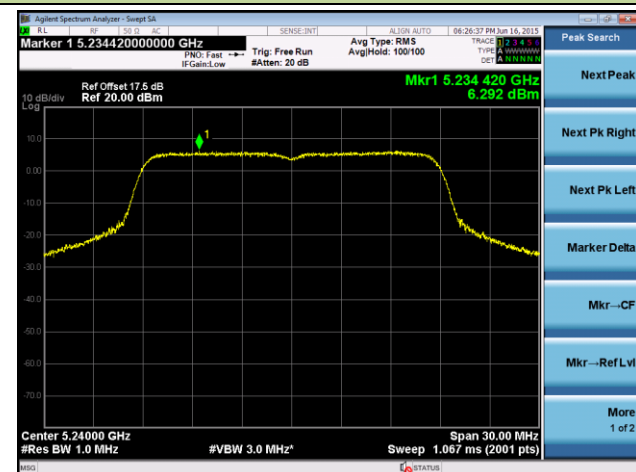
Channel 36 (5180MHz)



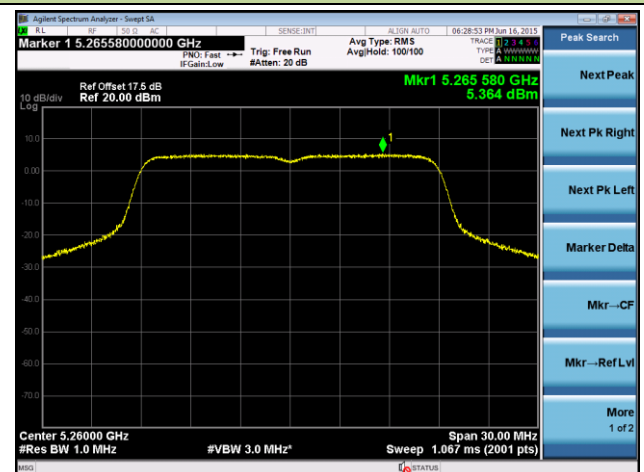
Channel 44 (5220MHz)



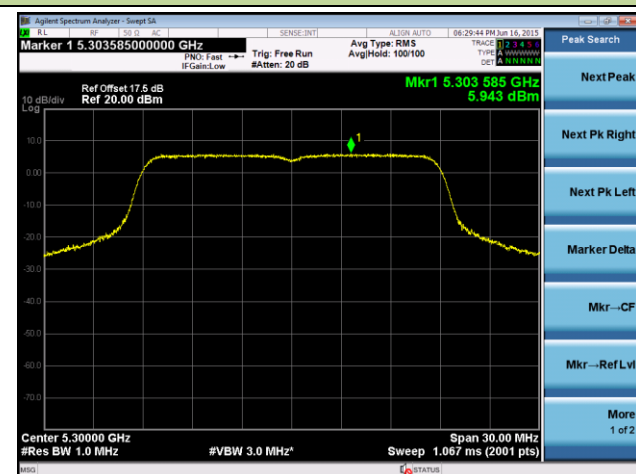
Channel 48 (5240MHz)



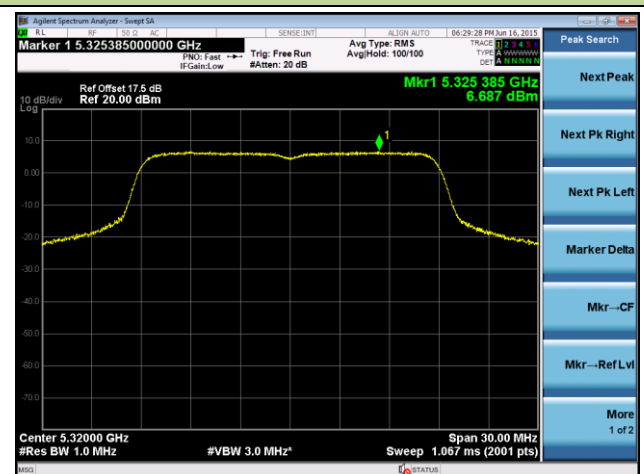
Channel 52 (5260MHz)



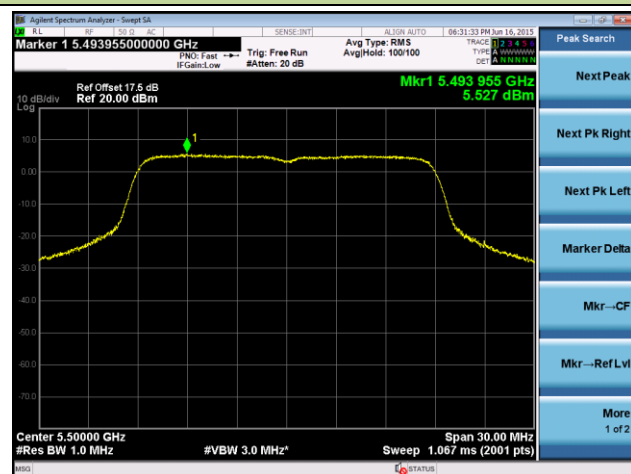
Channel 60 (5300MHz)



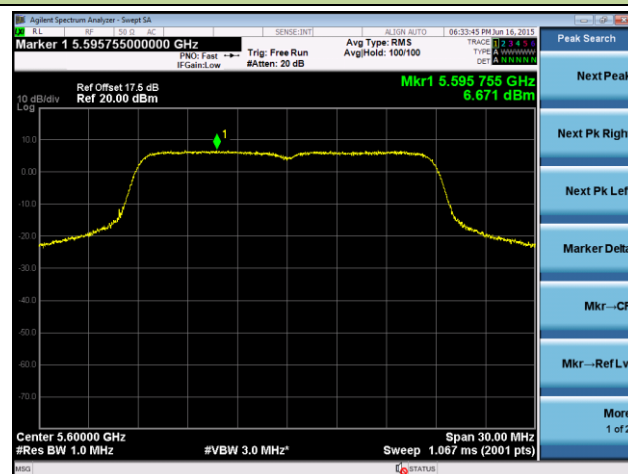
Channel 64 (5320MHz)



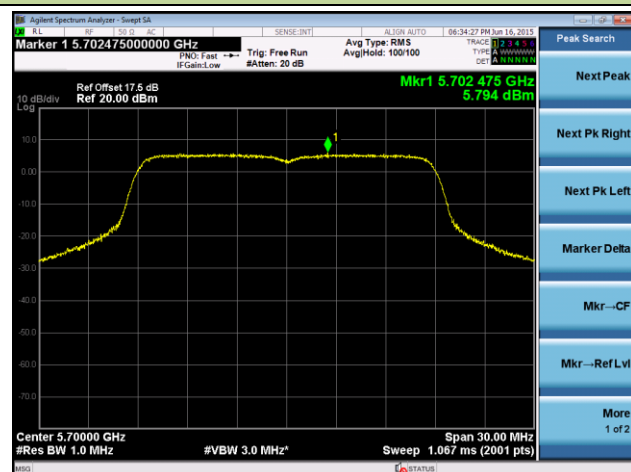
Channel 100 (5500MHz)



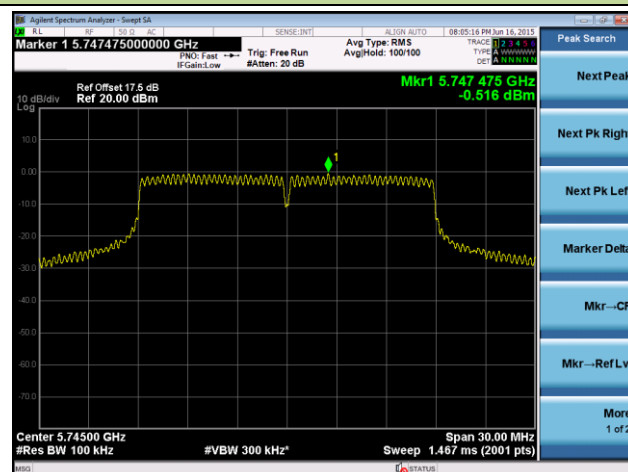
Channel 120 (5600MHz)



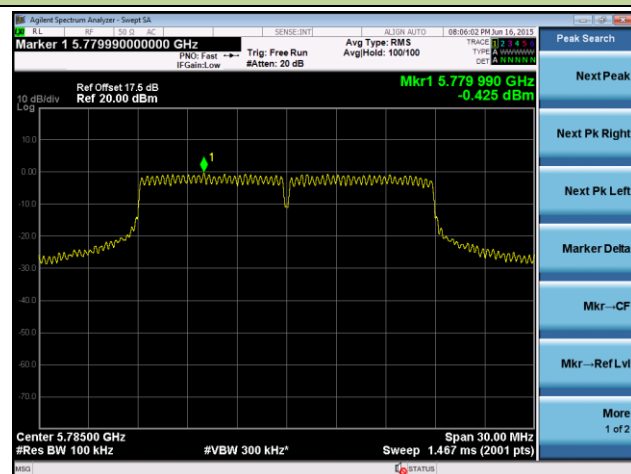
Channel 140 (5700MHz)



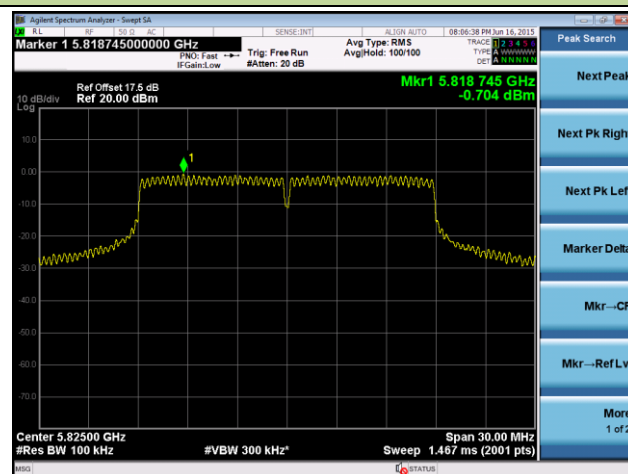
Channel 149 (5745MHz)



Channel 157 (5785MHz)

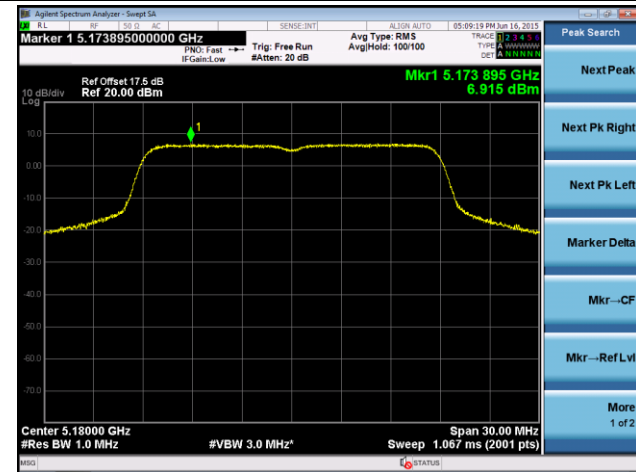


Channel 165 (5825MHz)

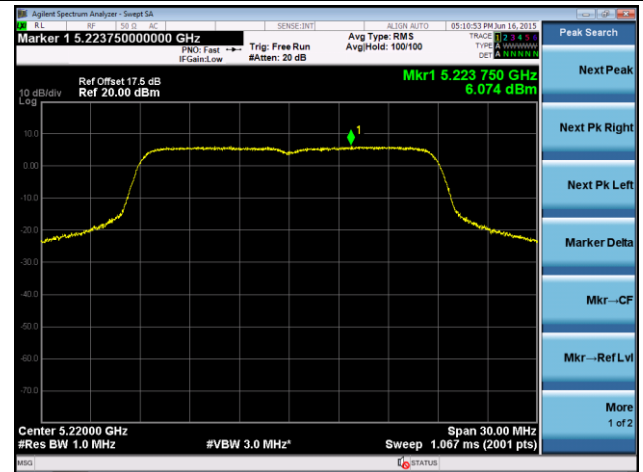


802.11n-HT20 Power Spectral Density - Ant 1 / Ant 0 + 1

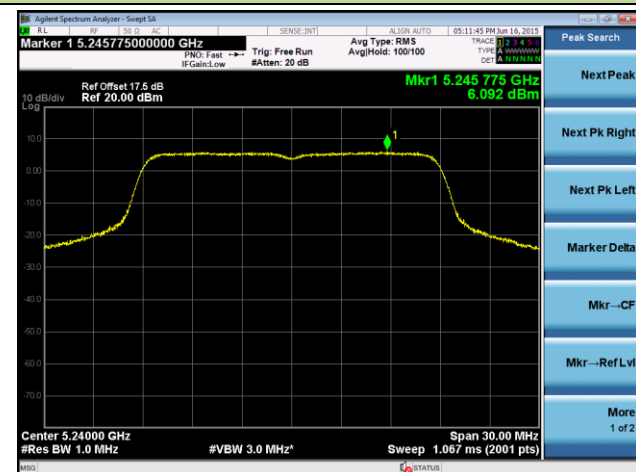
Channel 36 (5180MHz)



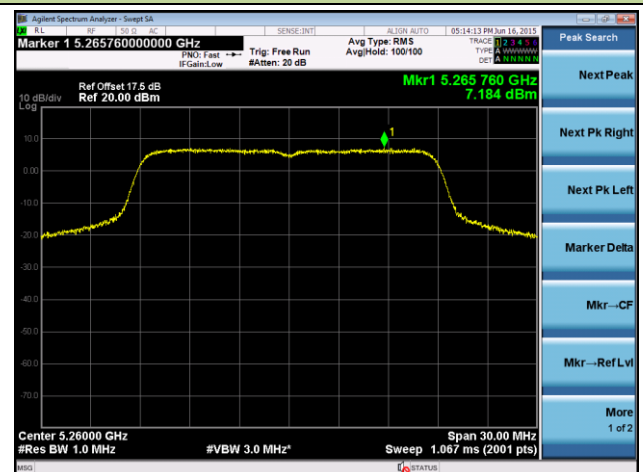
Channel 44 (5220MHz)



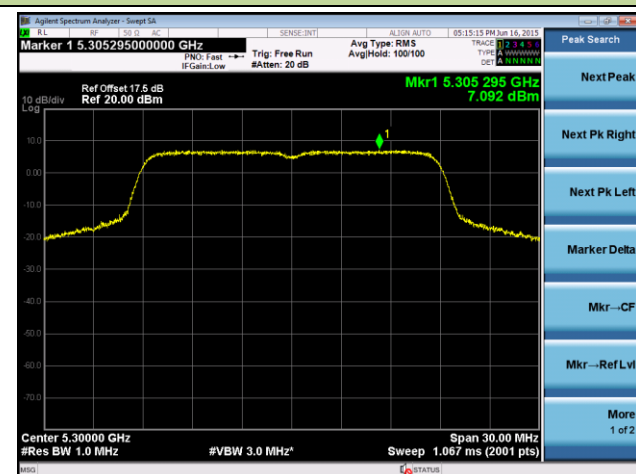
Channel 48 (5240MHz)



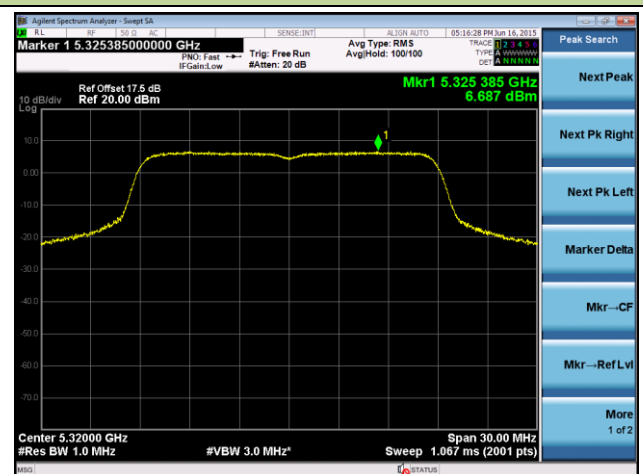
Channel 52 (5260MHz)



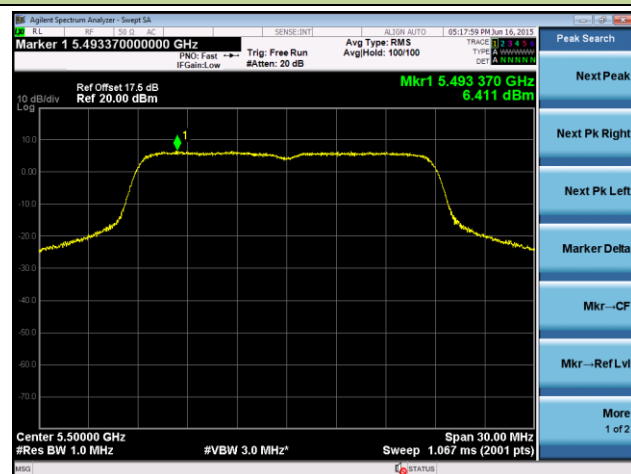
Channel 60 (5300MHz)



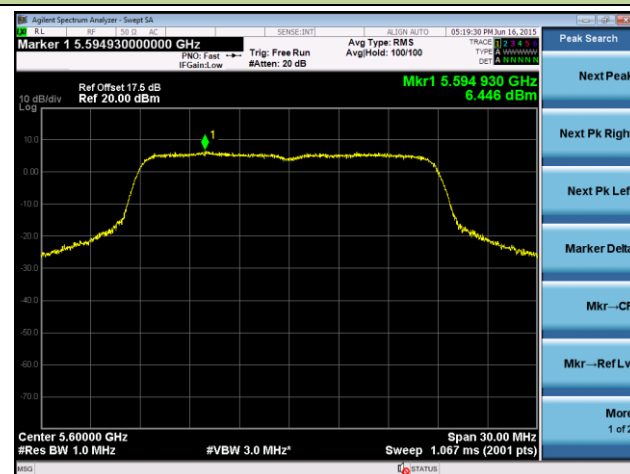
Channel 64 (5320MHz)



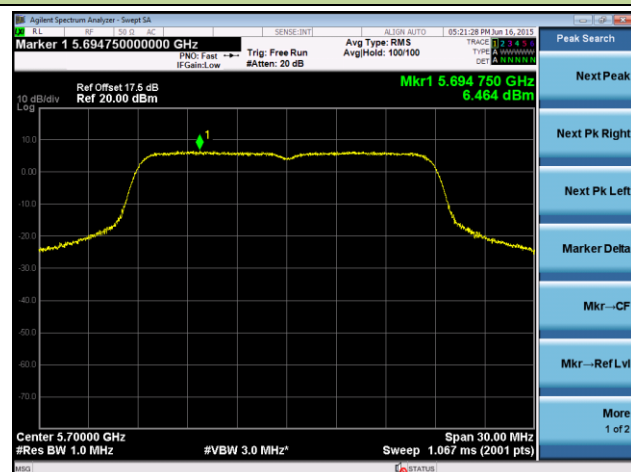
Channel 100 (5500MHz)



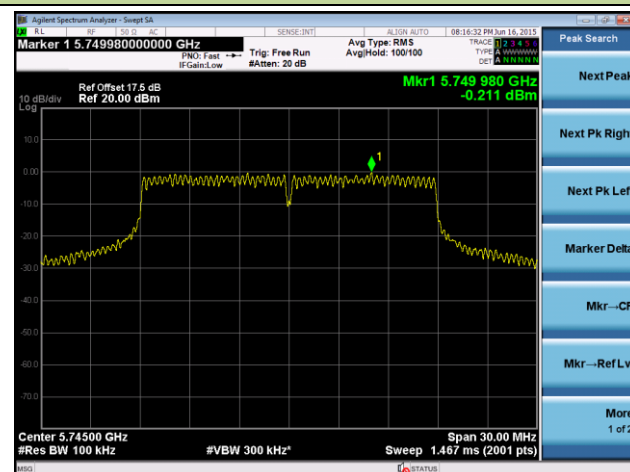
Channel 120 (5600MHz)



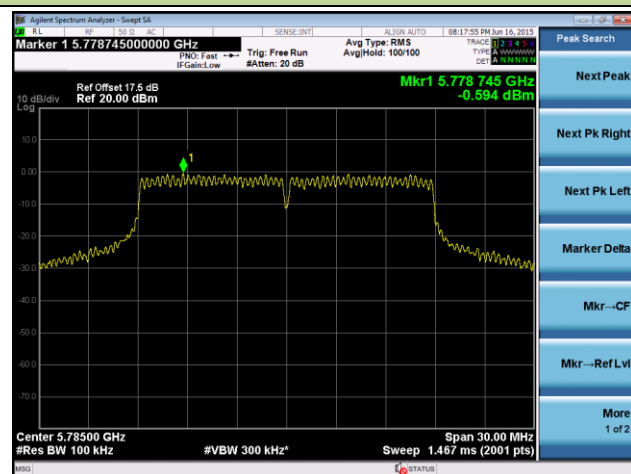
Channel 140 (5700MHz)



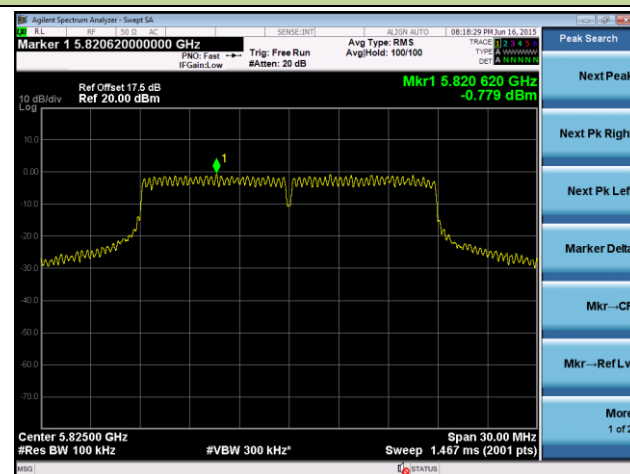
Channel 149 (5745MHz)



Channel 157 (5785MHz)

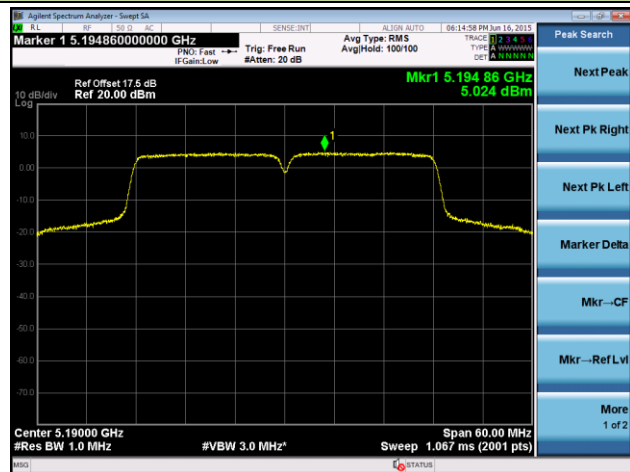


Channel 165 (5825MHz)

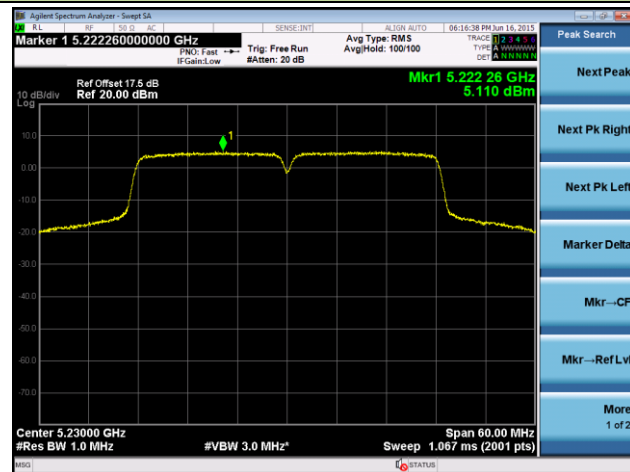


802.11n-HT40 Power Spectral Density - Ant 0 / Ant 0 + 1

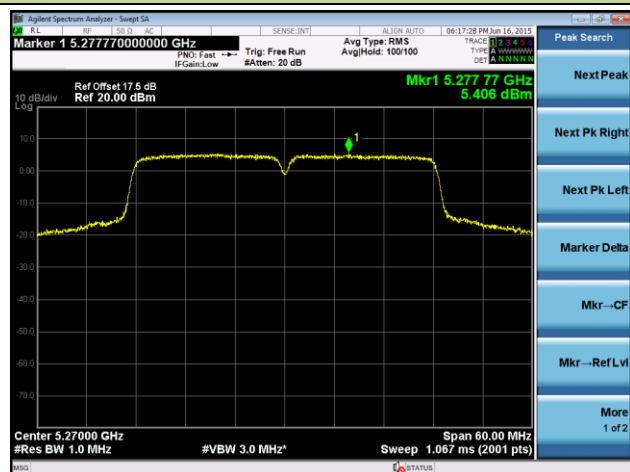
Channel 38 (5190MHz)



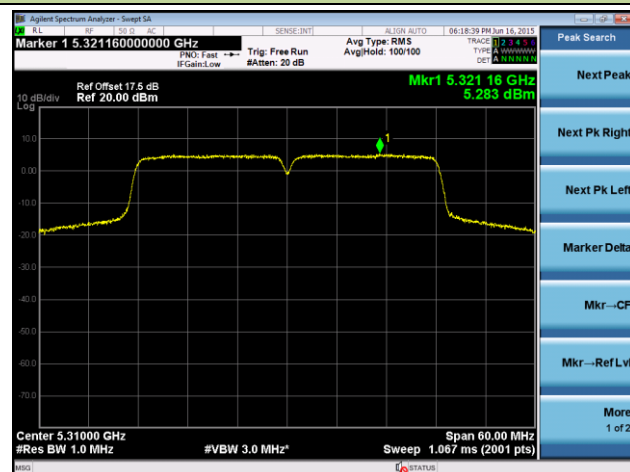
Channel 46 (5230MHz)



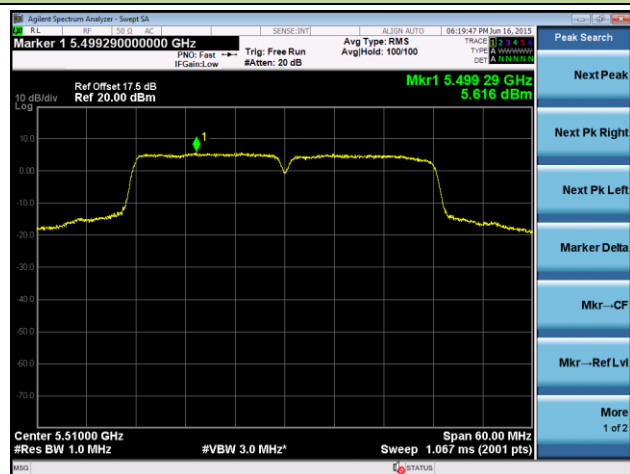
Channel 54 (5270MHz)



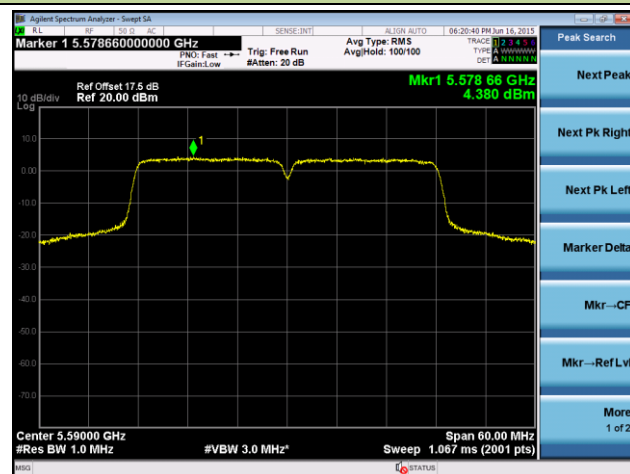
Channel 62 (5310MHz)



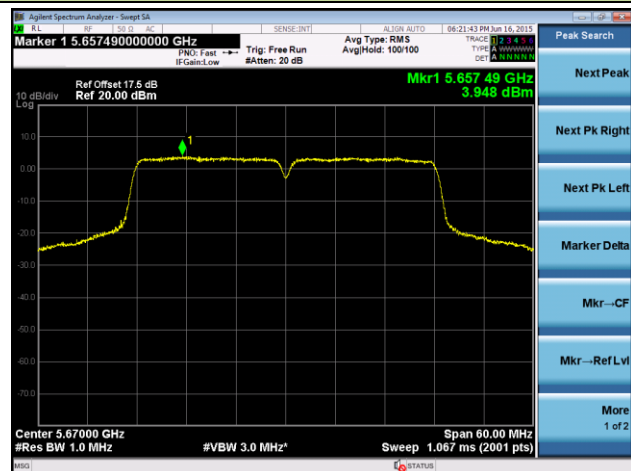
Channel 102 (5510MHz)



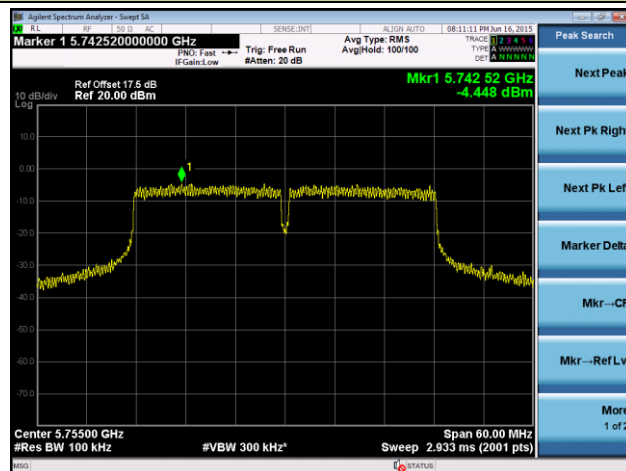
Channel 118 (5590MHz)



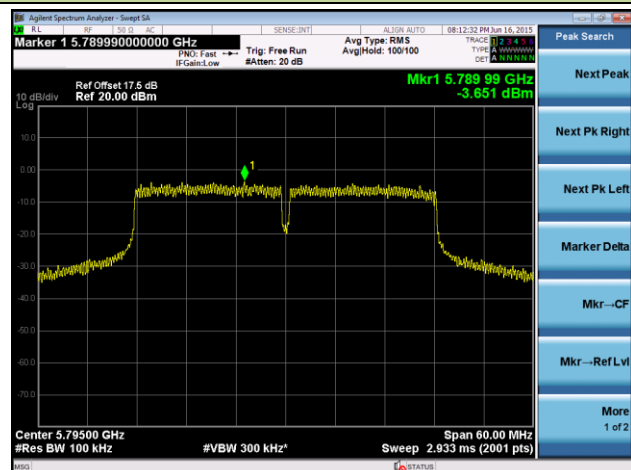
Channel 134 (5670MHz)



Channel 151 (5755MHz)

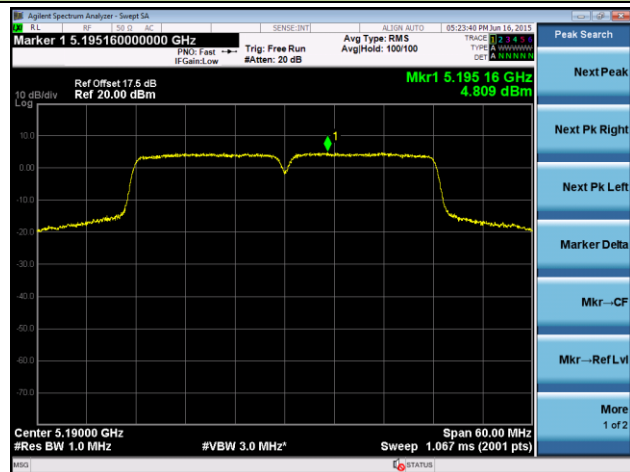


Channel 159 (5795MHz)

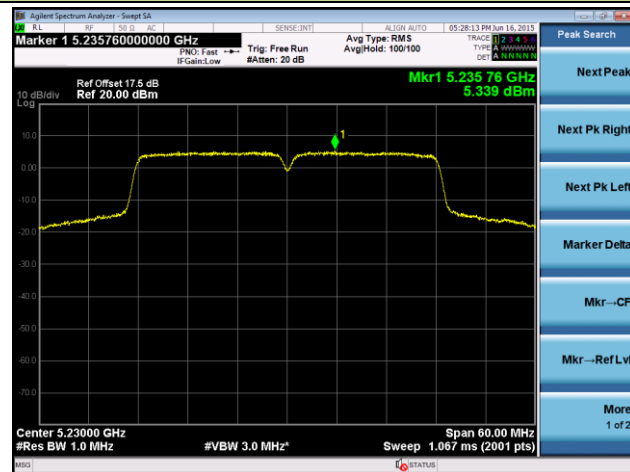


802.11n-HT40 Power Spectral Density - Ant 1 / Ant 0 + 1

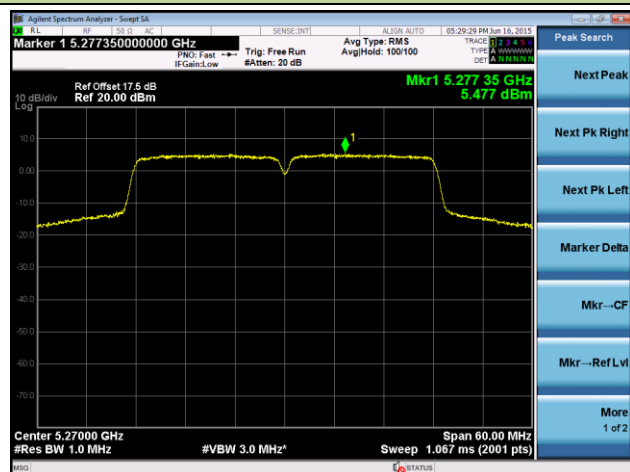
Channel 38 (5190MHz)



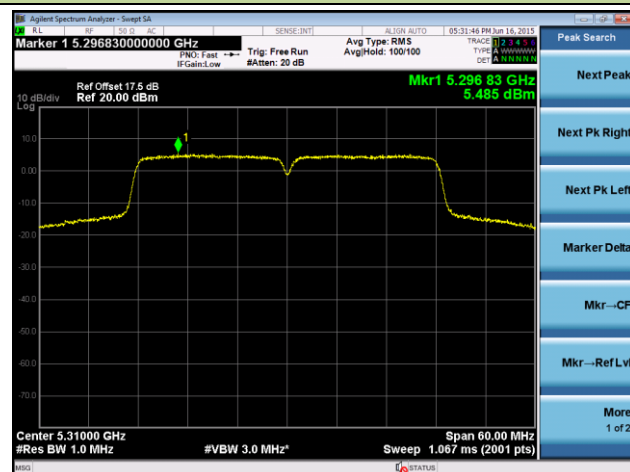
Channel 46 (5230MHz)



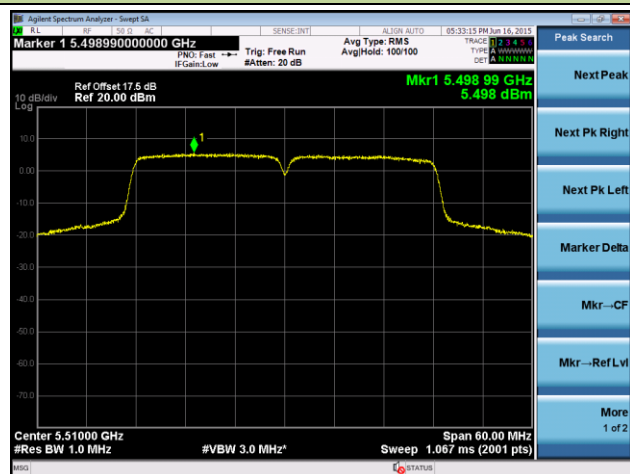
Channel 54 (5270MHz)



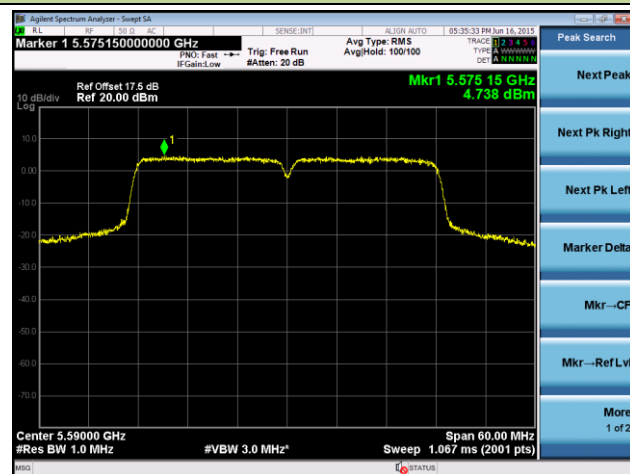
Channel 62 (5310MHz)



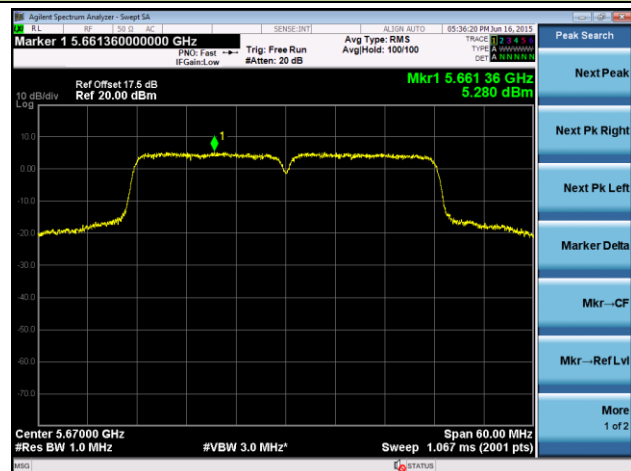
Channel 102 (5510MHz)



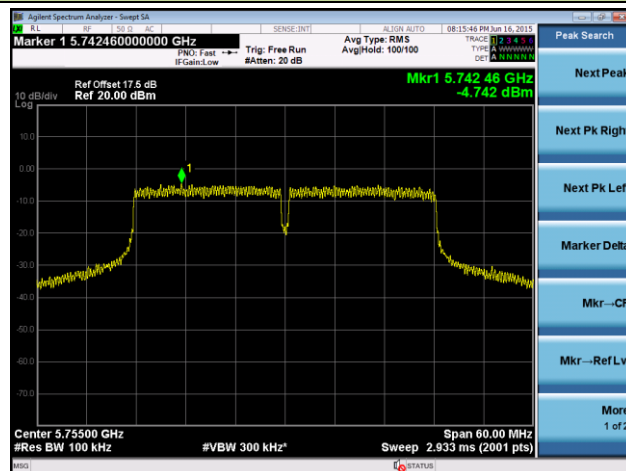
Channel 118 (5590MHz)



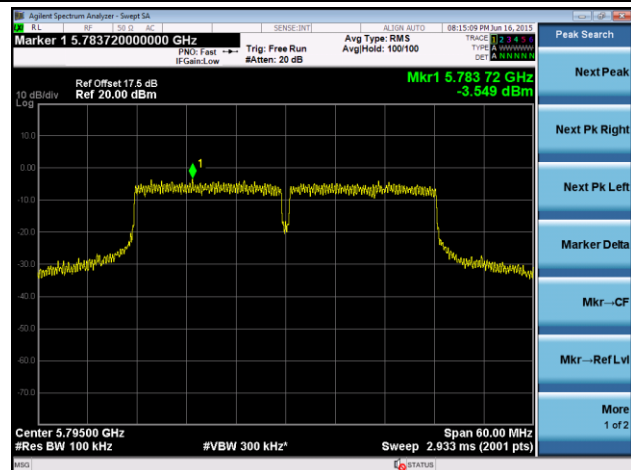
Channel 134 (5670MHz)



Channel 151 (5755 MHz)

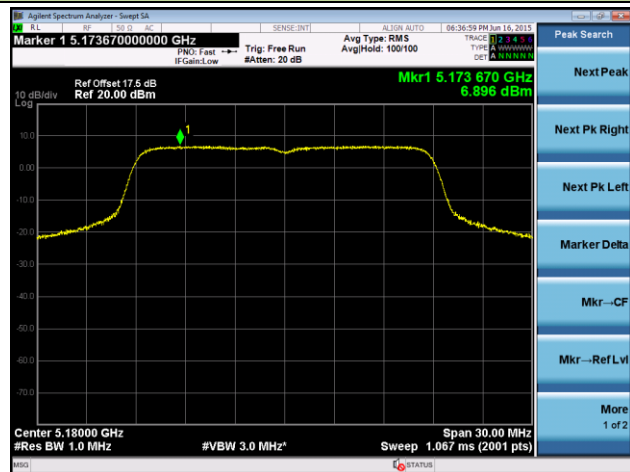


Channel 159 (5795 MHz)

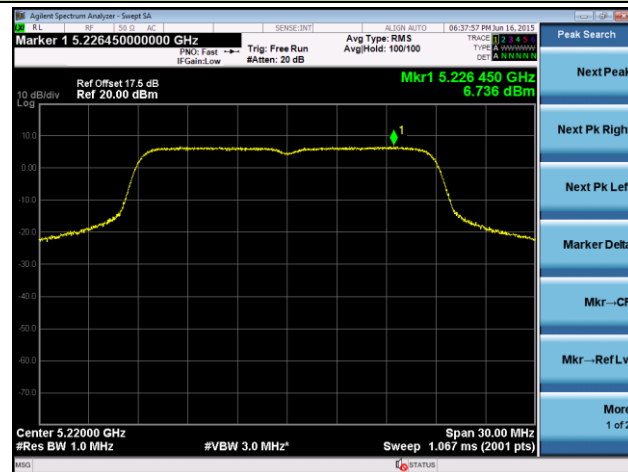


802.11ac-VHT20 Power Spectral Density - Ant 0 / Ant 0 + 1

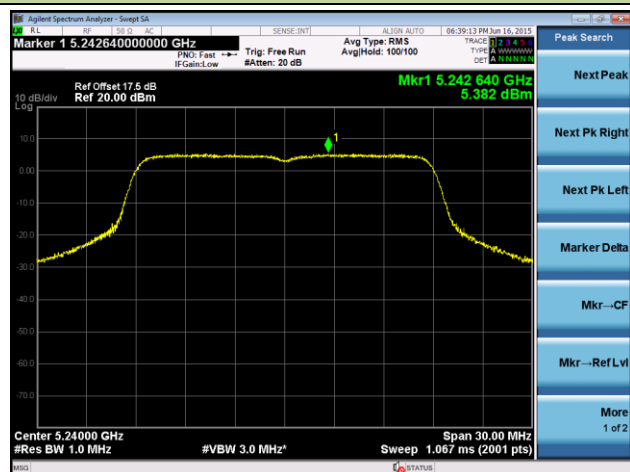
Channel 36 (5180MHz)



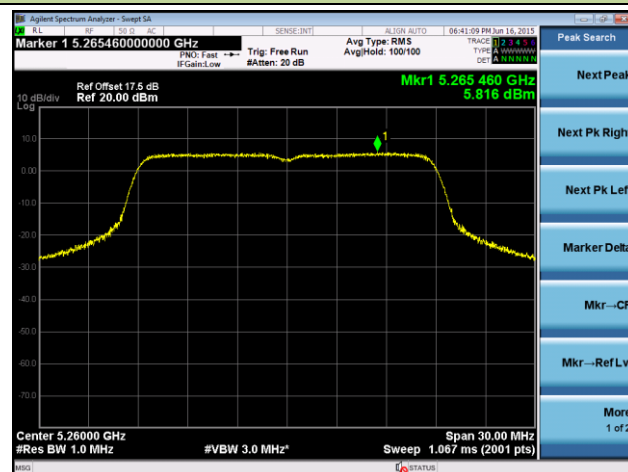
Channel 44 (5220MHz)



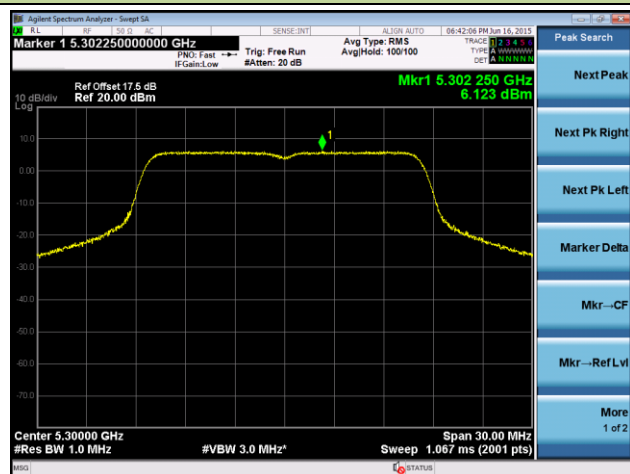
Channel 48 (5240MHz)



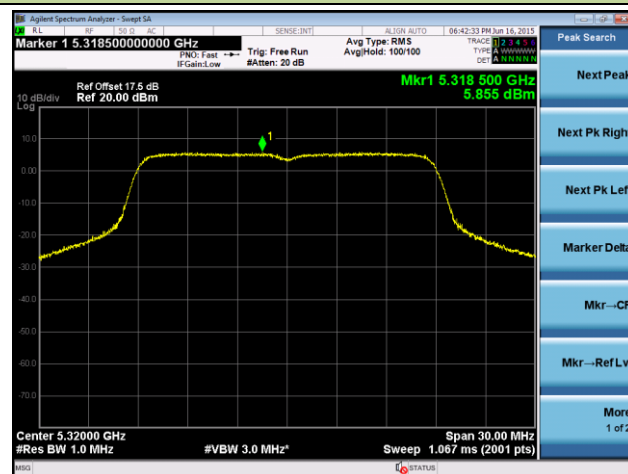
Channel 52 (5260MHz)



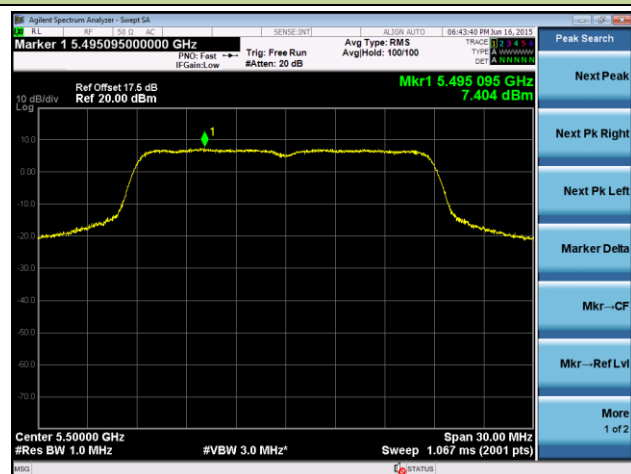
Channel 60 (5300MHz)



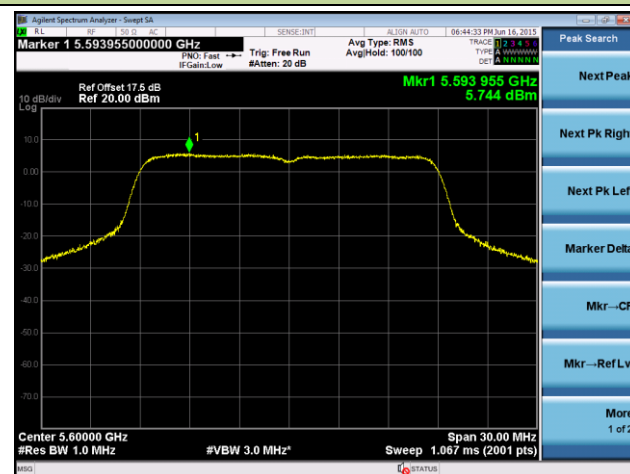
Channel 64 (5320MHz)



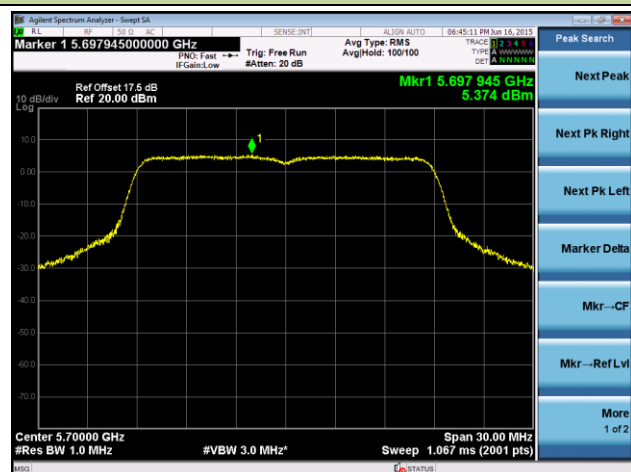
Channel 100 (5500MHz)



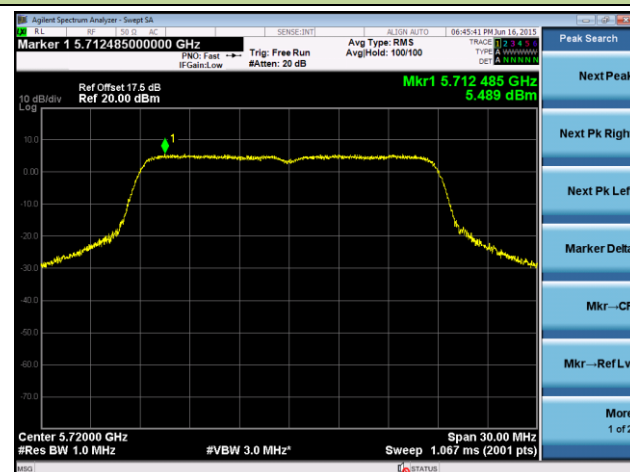
Channel 120 (5600MHz)



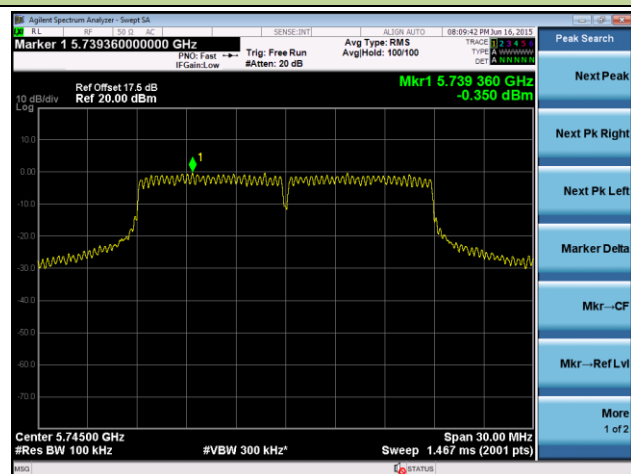
Channel 140 (5700MHz)



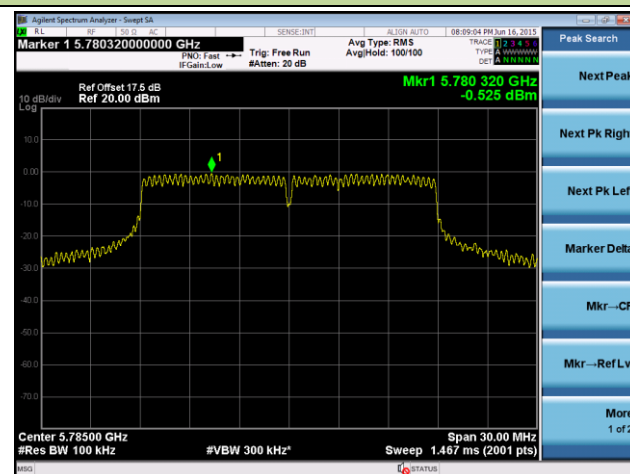
Channel 144 (5720MHz)



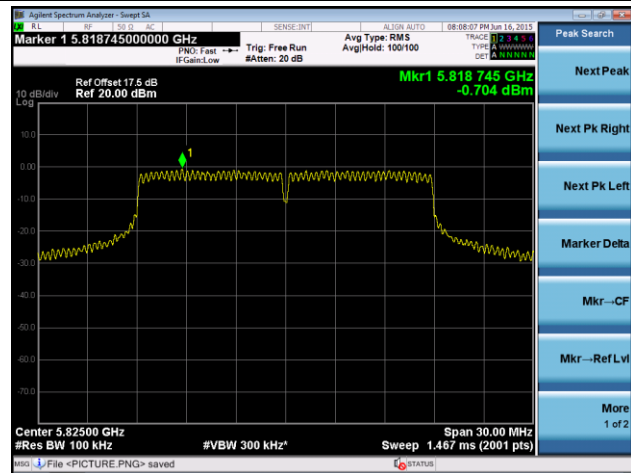
Channel 149 (5745MHz)



Channel 157 (5785MHz)

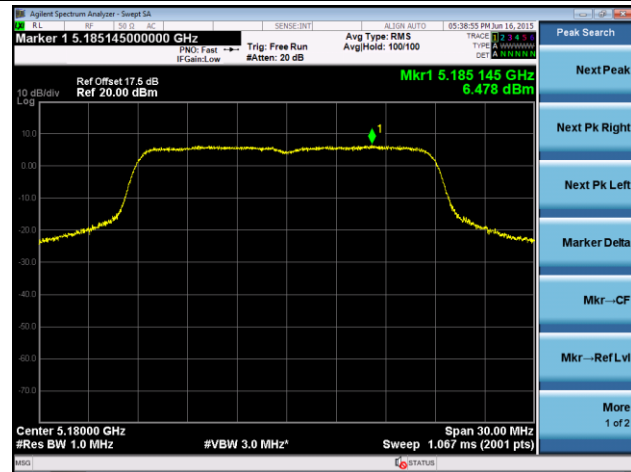


Channel 165 (5825MHz)

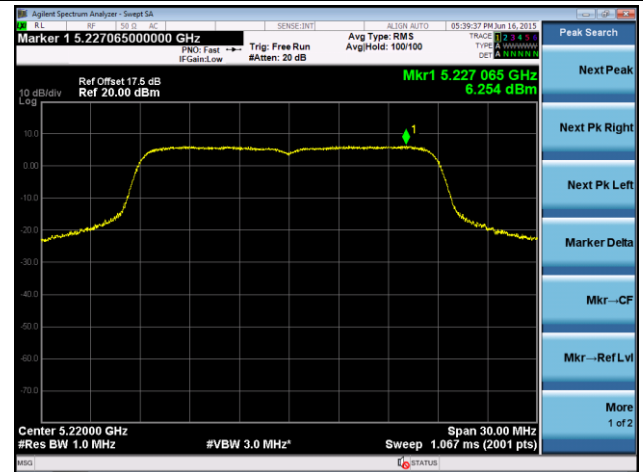


802.11ac-VHT20 Power Spectral Density - Ant 1 / Ant 0 + 1

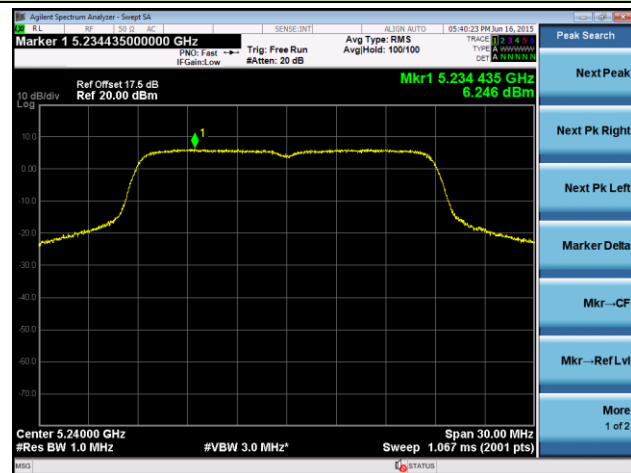
Channel 36 (5180MHz)



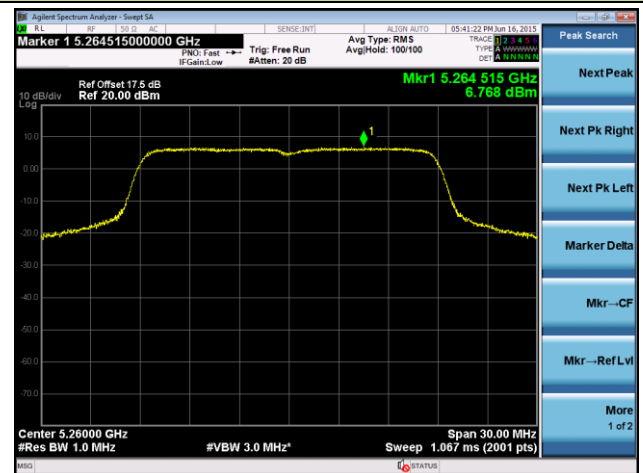
Channel 44 (5220MHz)



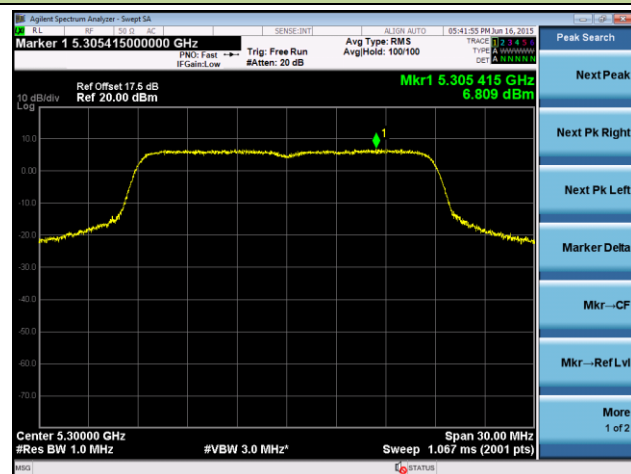
Channel 48 (5240MHz)



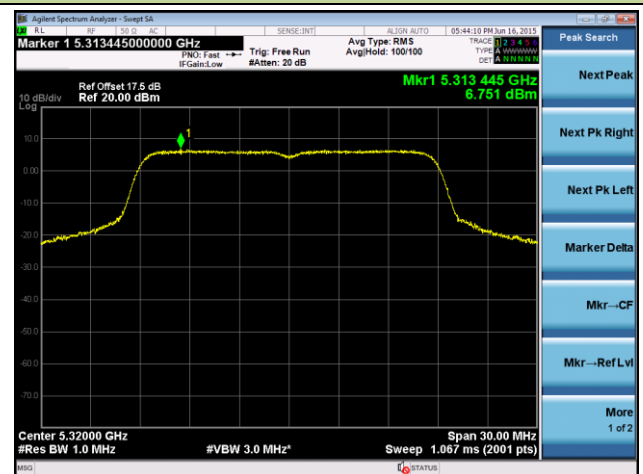
Channel 52 (5260MHz)



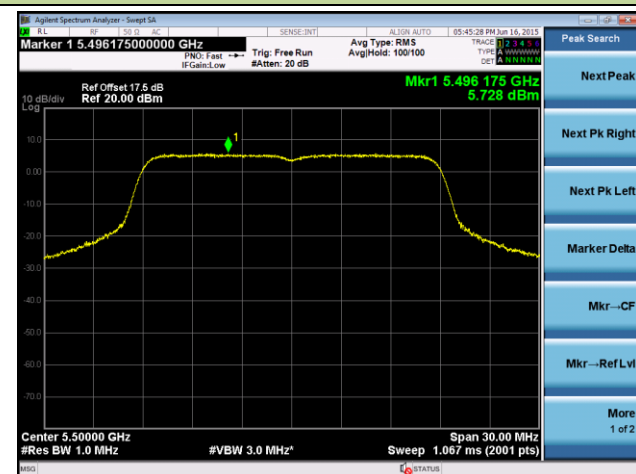
Channel 60 (5300MHz)



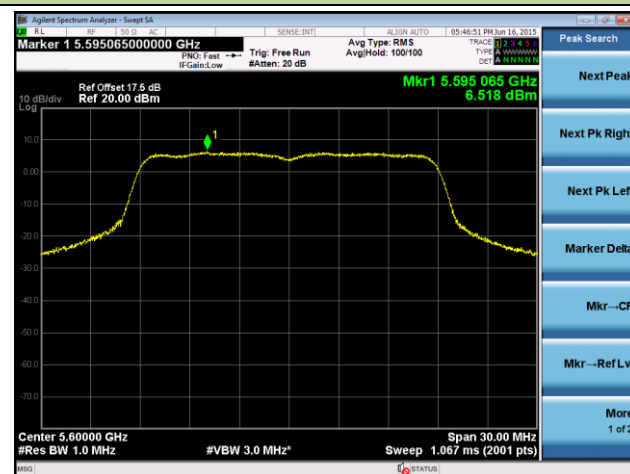
Channel 64 (5320MHz)



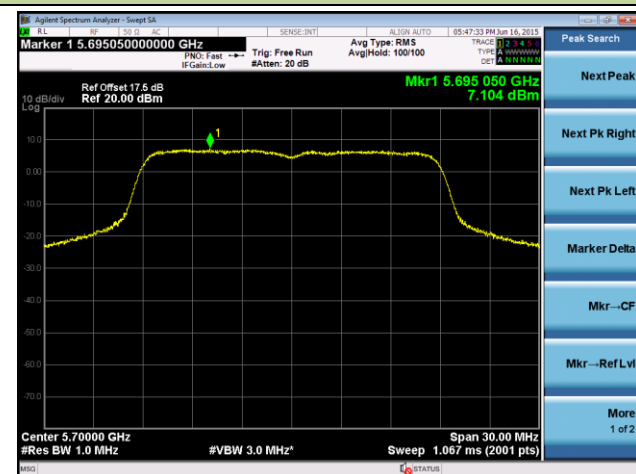
Channel 100 (5500MHz)



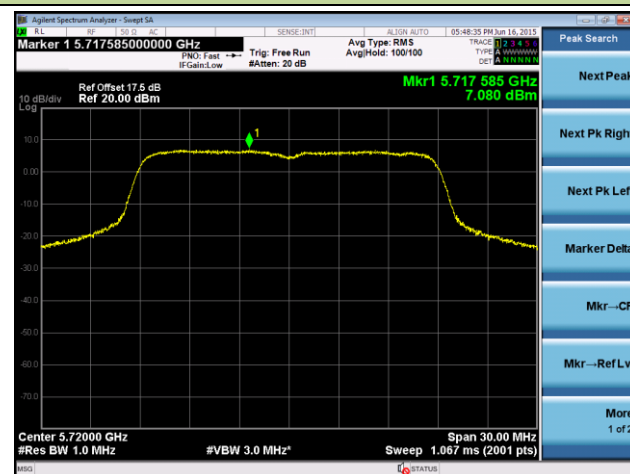
Channel 120 (5600MHz)



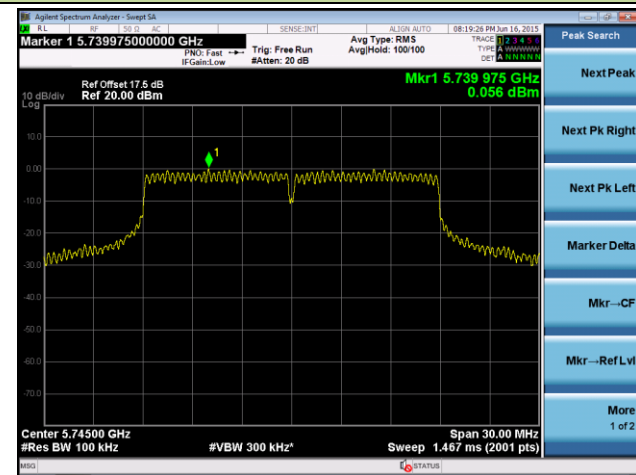
Channel 140 (5700MHz)



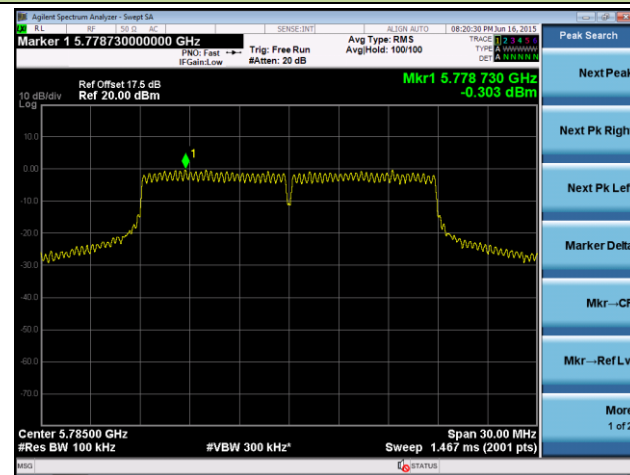
Channel 144 (5720MHz)



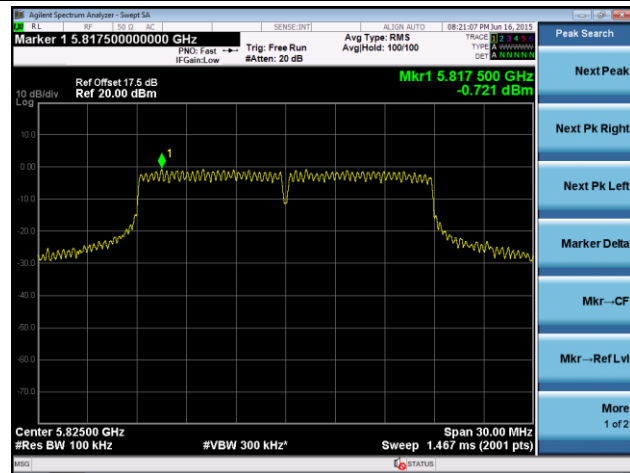
Channel 149 (5745MHz)



Channel 157 (5785MHz)

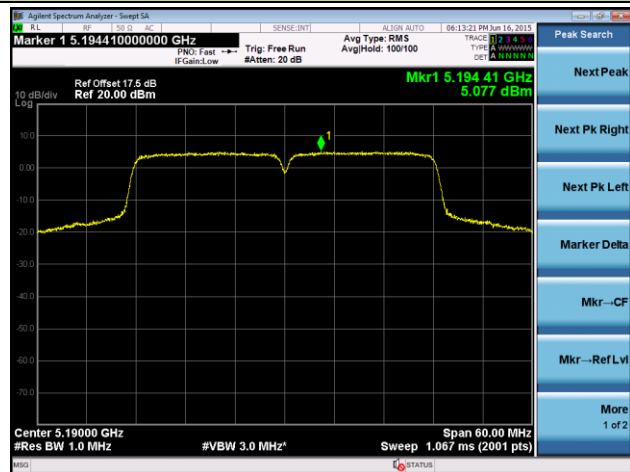


Channel 165 (5825MHz)

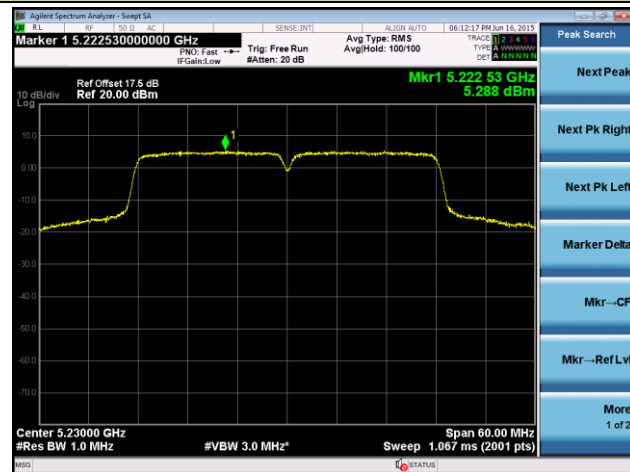


802.11ac-VHT40 Power Spectral Density - Ant 0 / Ant 0 + 1

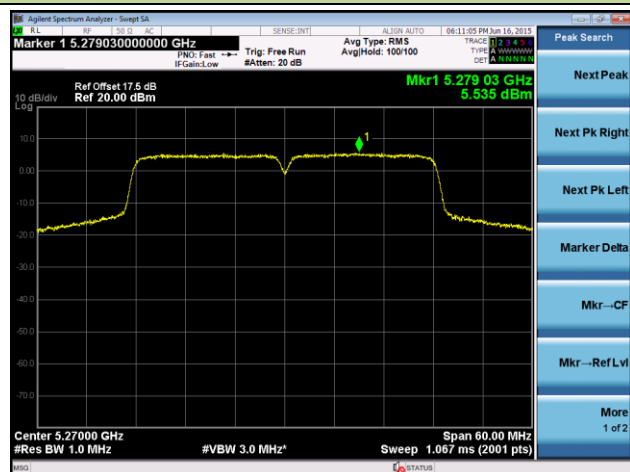
Channel 38 (5190MHz)



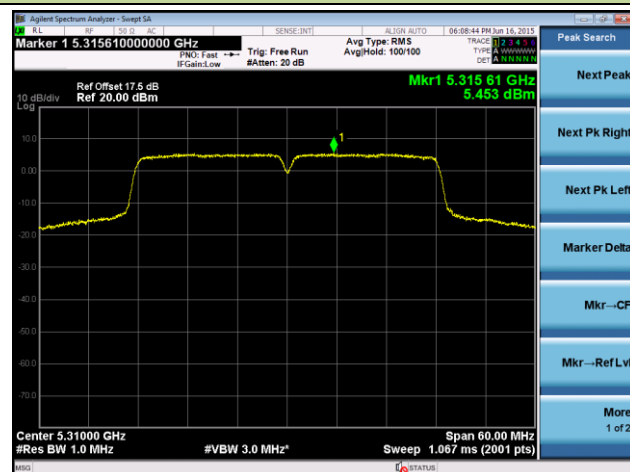
Channel 46 (5230MHz)



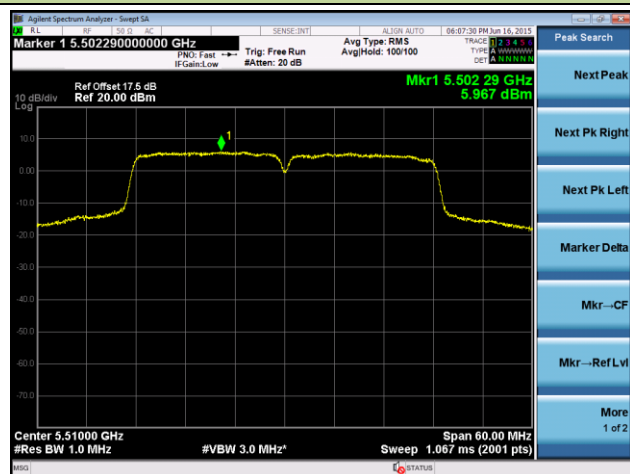
Channel 54 (5270MHz)



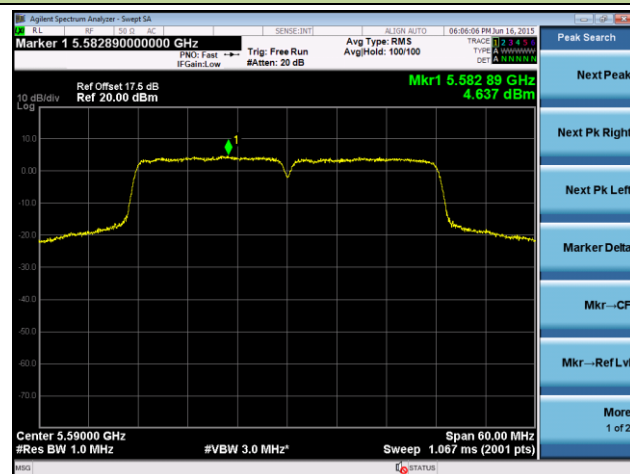
Channel 62 (5310MHz)



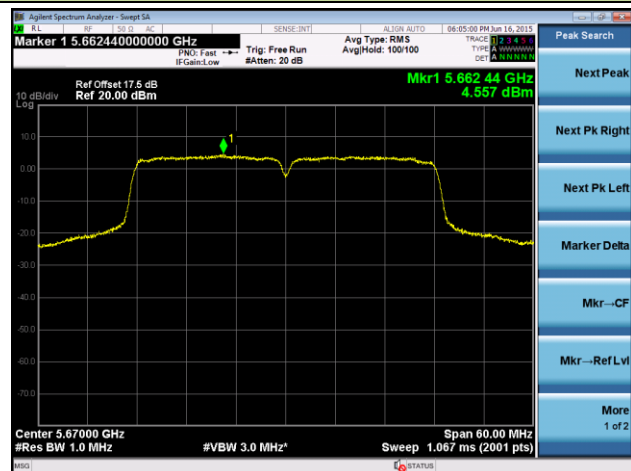
Channel 102 (5510MHz)



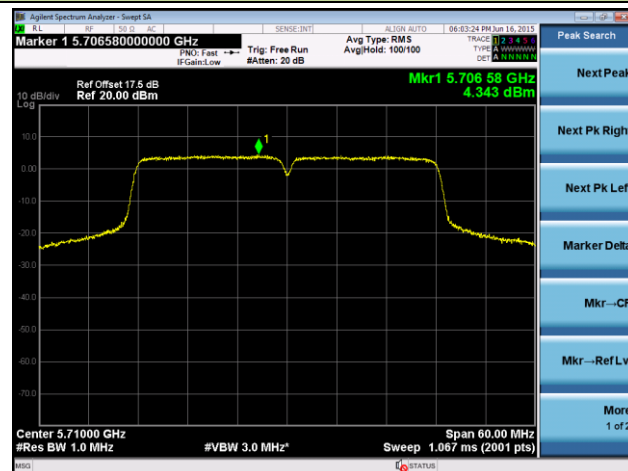
Channel 118 (5590MHz)



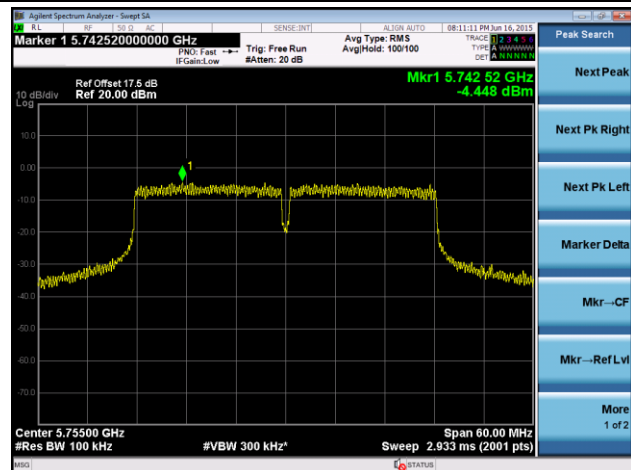
Channel 134 (5670MHz)



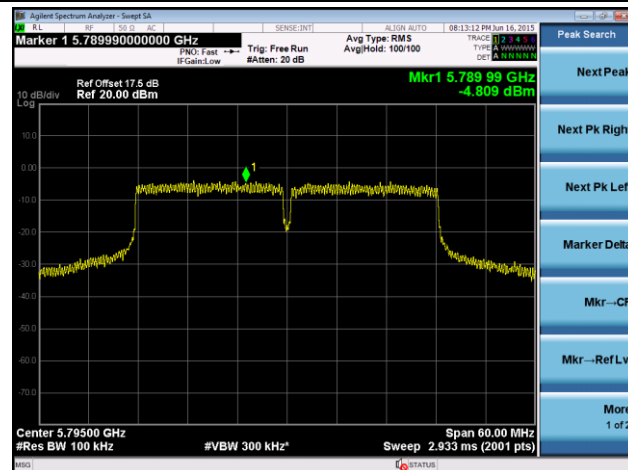
Channel 142 (5710MHz)



Channel 151 (5755MHz)

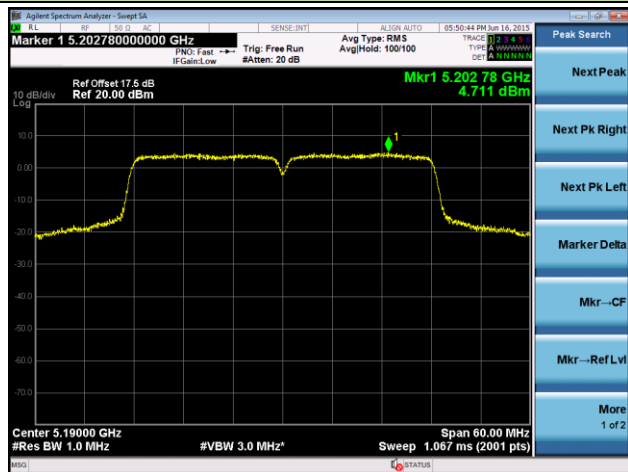


Channel 159 (5795MHz)

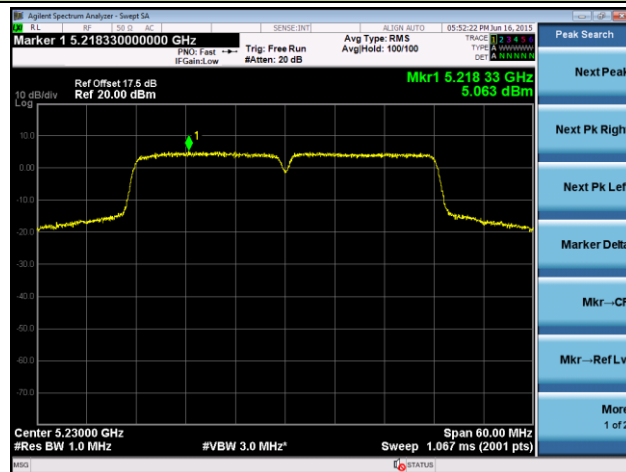


802.11ac-VHT40 Power Spectral Density - Ant 1 / Ant 0 + 1

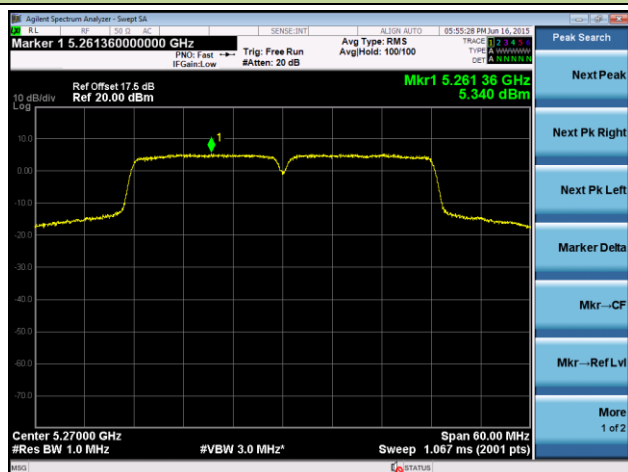
Channel 38 (5190MHz)



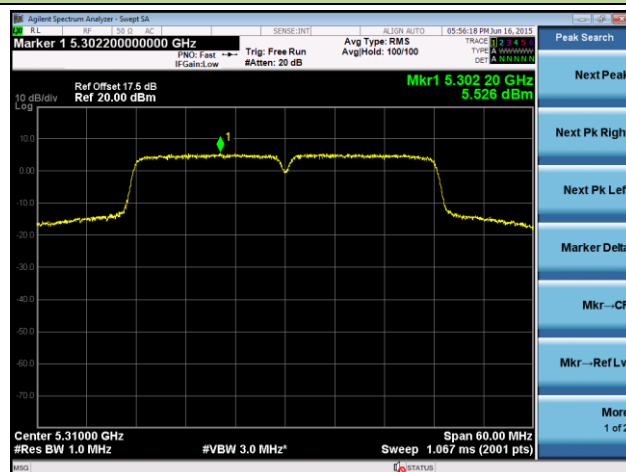
Channel 46 (5230MHz)



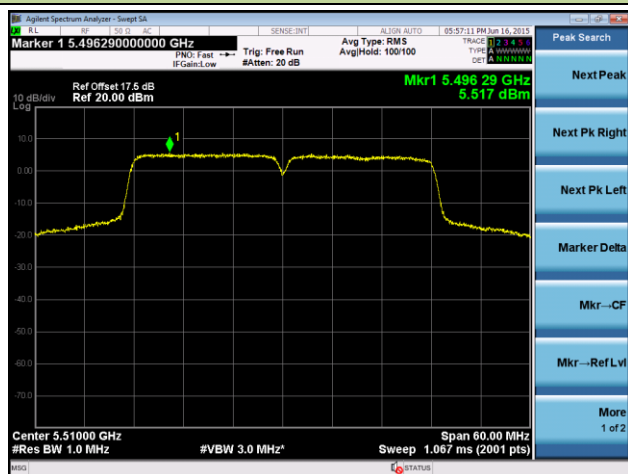
Channel 54 (5270MHz)



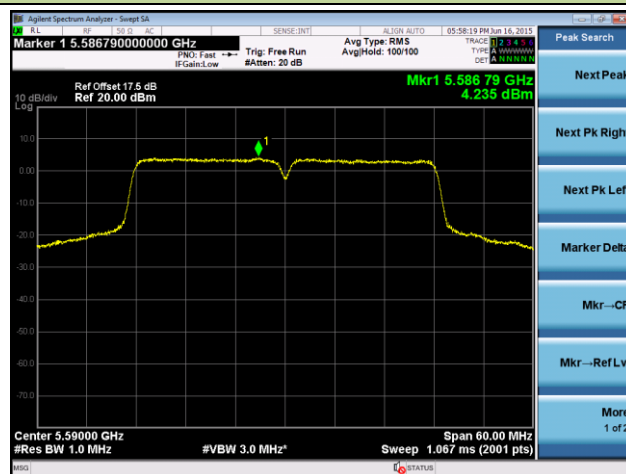
Channel 62 (5310MHz)



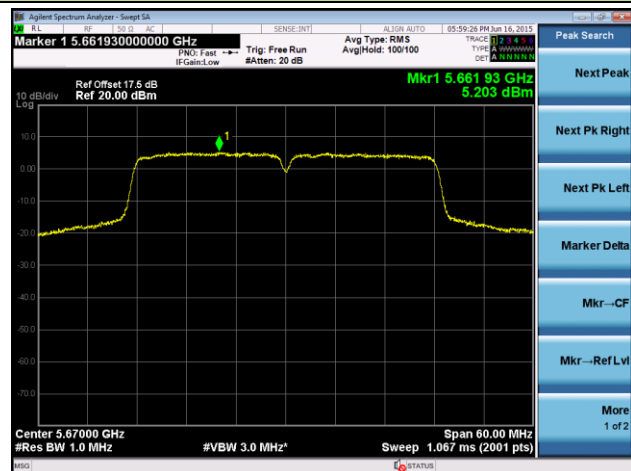
Channel 102 (5510MHz)



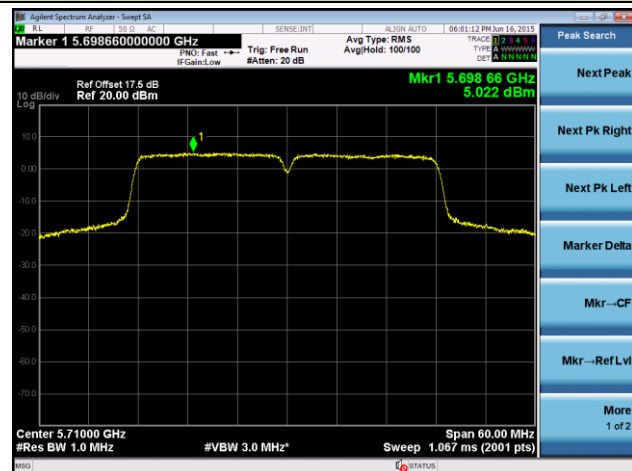
Channel 118 (5590MHz)



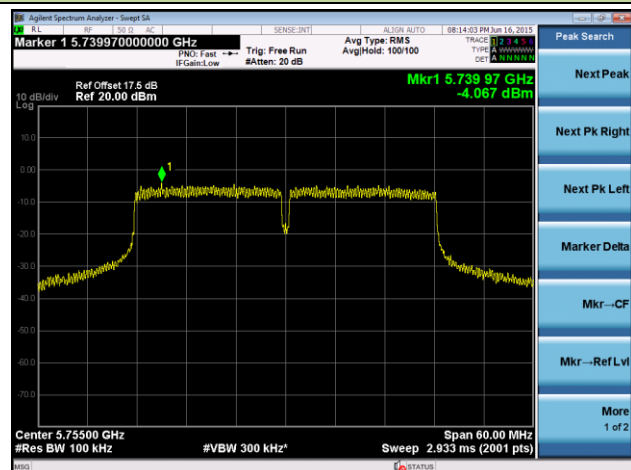
Channel 134 (5670MHz)



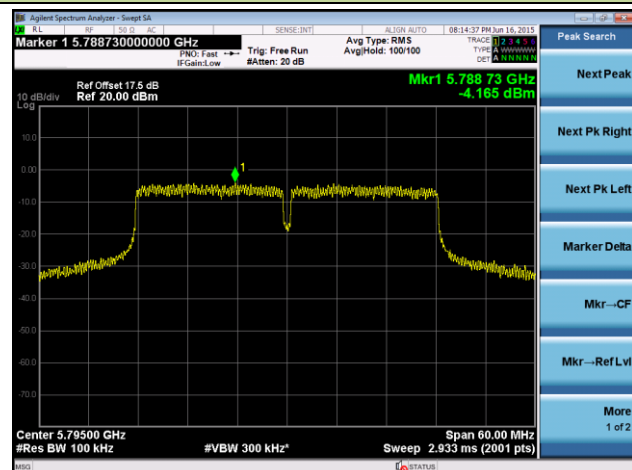
Channel 142 (5710MHz)



Channel 151(5755MHz)

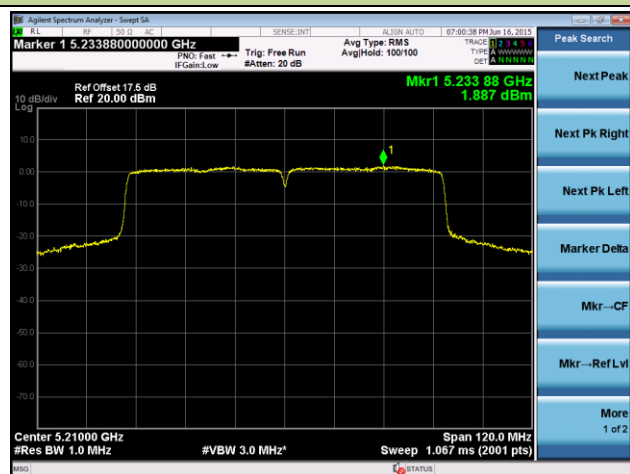


Channel 159 (5795MHz)

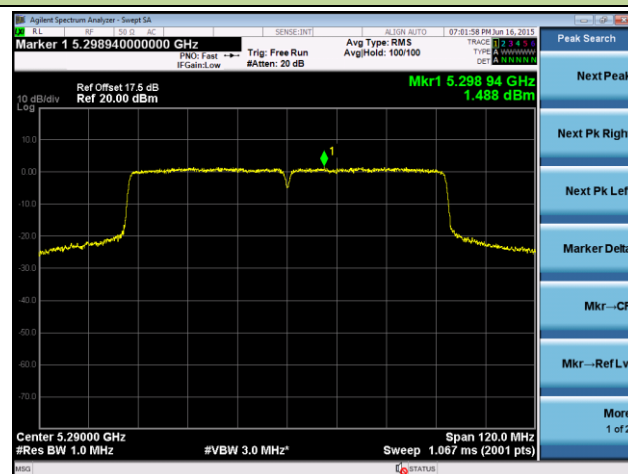


802.11ac-VHT80 Power Spectral Density - Ant 0 / Ant 0 + 1

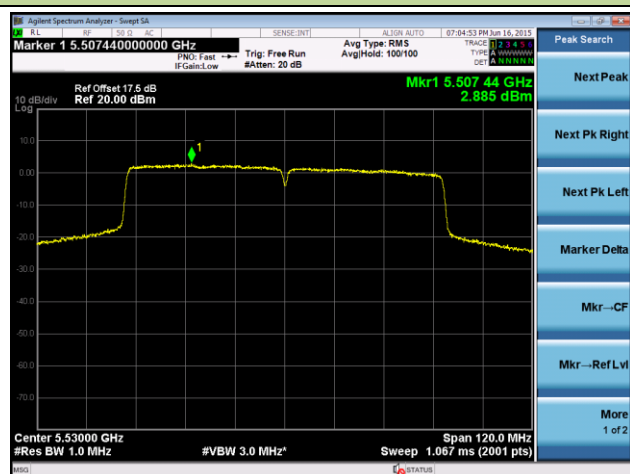
Channel 42 (5210MHz)



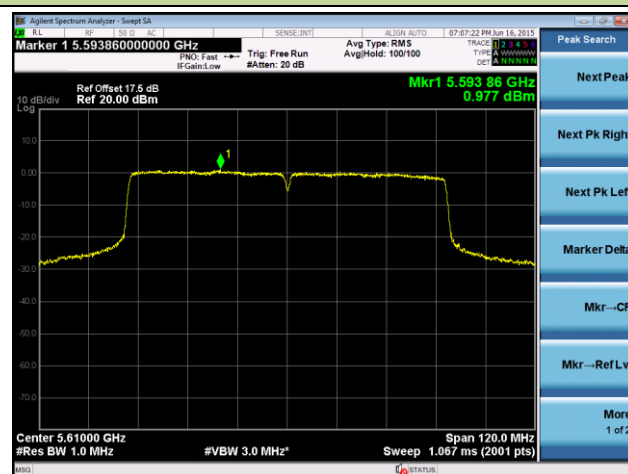
Channel 58 (5290MHz)



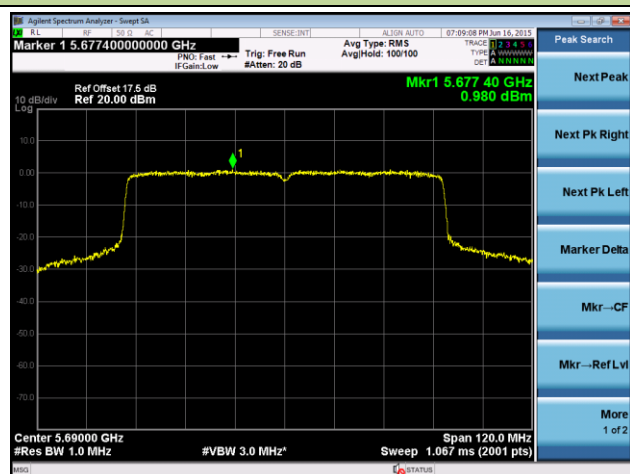
Channel 106 (5530MHz)



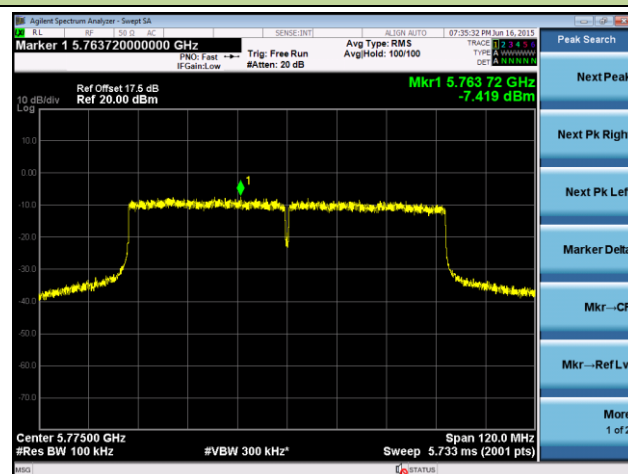
Channel 122 (5610MHz)



Channel 138 (5690MHz)

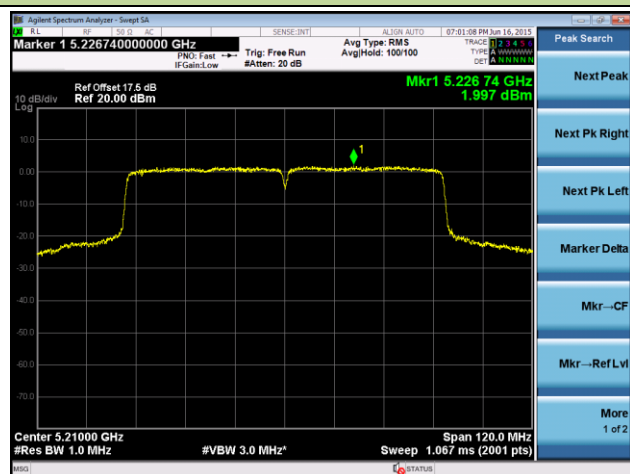


Channel 155 (5775MHz)

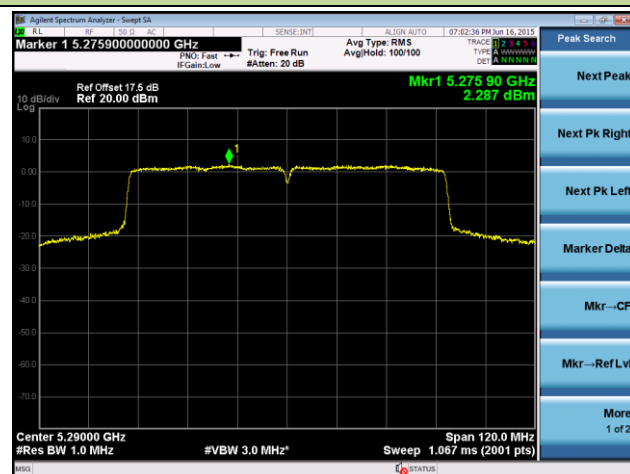


802.11ac-VHT80 Power Spectral Density - Ant 1 / Ant 0 + 1

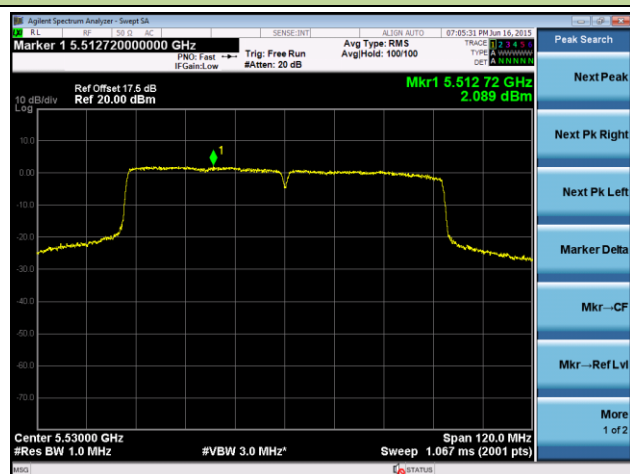
Channel 42 (5210MHz)



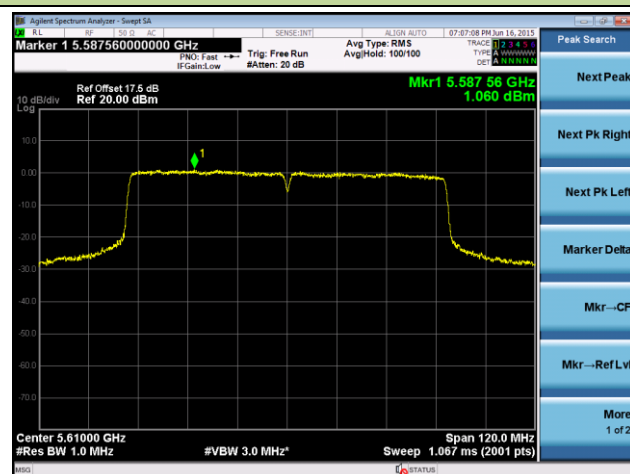
Channel 58 (5290MHz)



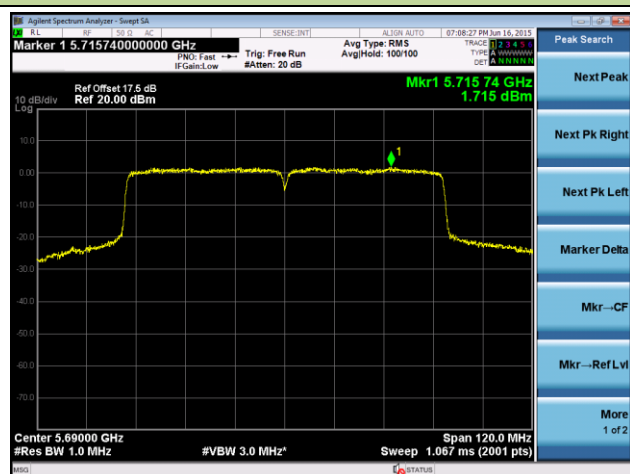
Channel 106 (5530MHz)



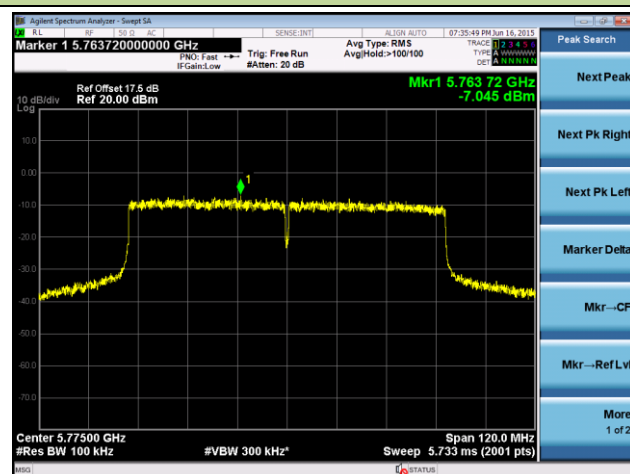
Channel 122 (5610MHz)



Channel 138 (5690MHz)



Channel 155 (5755MHz)



7.7. Frequency Stability Measurement

7.7.1. Test Limit

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

7.7.2. Test Procedure Used

Frequency Stability Under Temperature Variations:

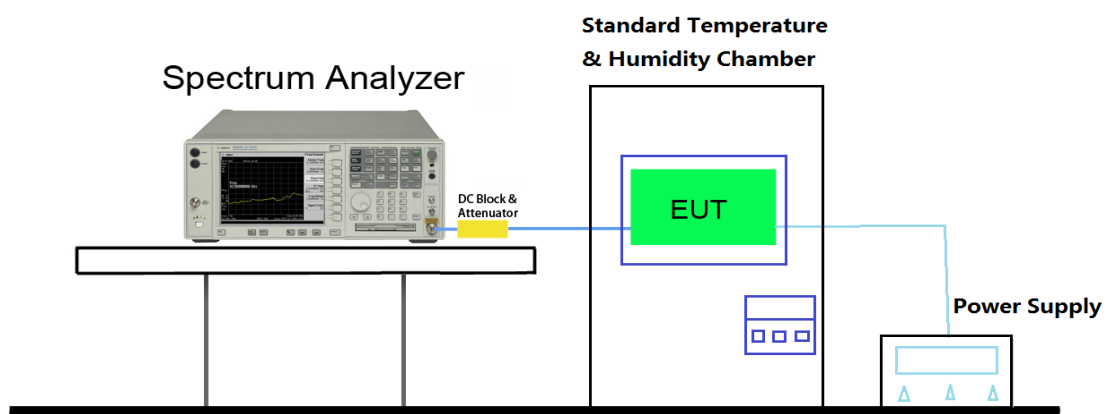
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation ($\pm 15\%$) and endpoint, record the maximum frequency change.

7.7.3. Test Setup



7.7.4. Test Result

Test Engineer	Milo Li	Temperature	-20 ~ 50°C
Test Time	04-15-2015	Relative Humidity	52%RH

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	120	- 20	-1.52	-1.81	-1.73	-1.72
		- 10	-1.53	-1.84	-1.74	-1.72
		0	-1.15	-1.00	-1.02	-0.34
		+ 10	-0.32	-0.54	-0.35	0.37
		+ 20 (Ref)	0.16	-0.69	-0.48	0.15
		+ 30	-1.51	-1.54	-1.52	-1.61
		+ 40	-1.52	-1.83	-1.74	-1.72
		+ 50	-1.22	-1.73	-1.96	-1.73
115%	138	+ 20	-1.56	-1.78	-1.82	-1.64
85%	102	+ 20	-1.52	-1.25	-0.96	-0.62

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) – Declared Frequency (Hz)] / Declared Frequency (Hz)} *10⁶.

7.8. Radiated Spurious Emission Measurement

7.8.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [V/m]	Measured Distance [Meters]
0.009 – 0.490	2400/F (kHz)	300
0.490 – 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.8.2. Test Procedure Used

KDB 789033 D02v01 – Section G

7.8.3. Test Setting

Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple

6. Trace mode = max hold
7. Trace was allowed to stabilize
8. Allow sweeps to continue until the trace stabilizes. Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately $1/x$, where x is the duty cycle.

Test Mode	Duty Cycle	Factor (1/Duty Cycle)
802.11a	96.9%	1.03
802.11n-HT20	94.4%	1.06
802.11n-HT40	85.8%	1.17
802.11ac-VHT20	95.0%	1.05
802.11ac-VHT40	93.5%	1.07
802.11ac-VHT80	80.0%	1.25

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = 120 kHz
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Average Measurements above 1GHz (Method AD)

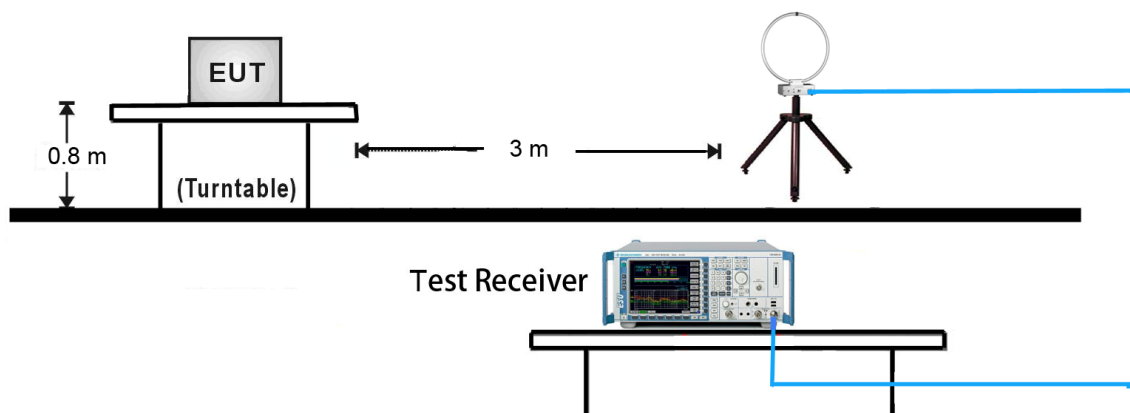
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be $> 2 \times \text{span/RBW}$)
6. Sweep time = auto
7. Trace was averaged over at 100 sweeps

8. Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98 percent duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of $1/x$, where x is the duty cycle.

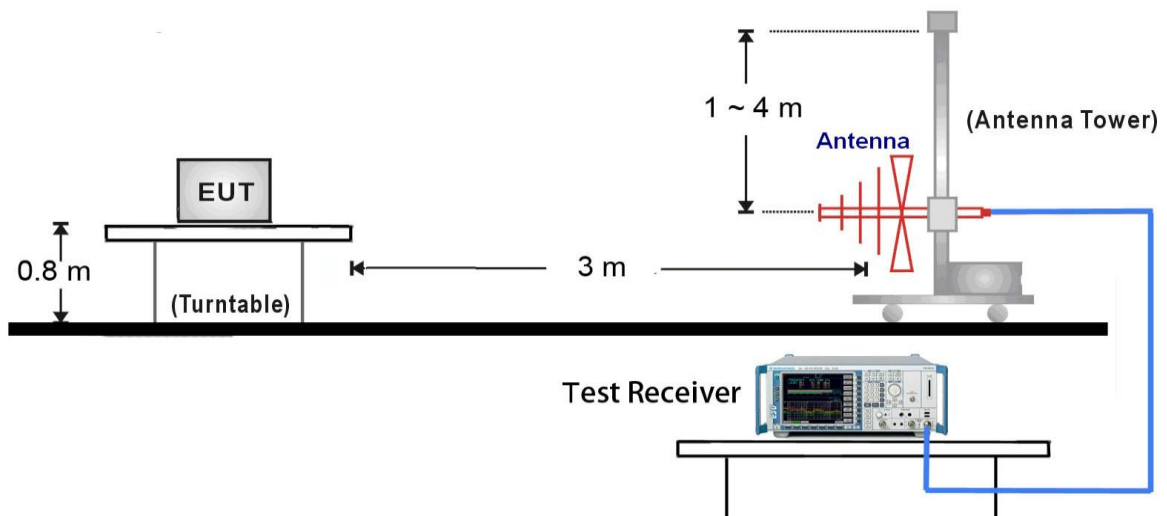
Test Mode	Duty Cycle	Factor (1/Duty Cycle)	Sweep Traces (100* Factor)
802.11a	96.9%	1.03	103
802.11n-HT20	94.4%	1.06	106
802.11n-HT40	85.8%	1.17	117
802.11ac-VHT20	95.0%	1.05	105
802.11ac-VHT40	93.5%	1.07	107
802.11ac-VHT80	80.0%	1.25	125

7.8.4. Test Setup

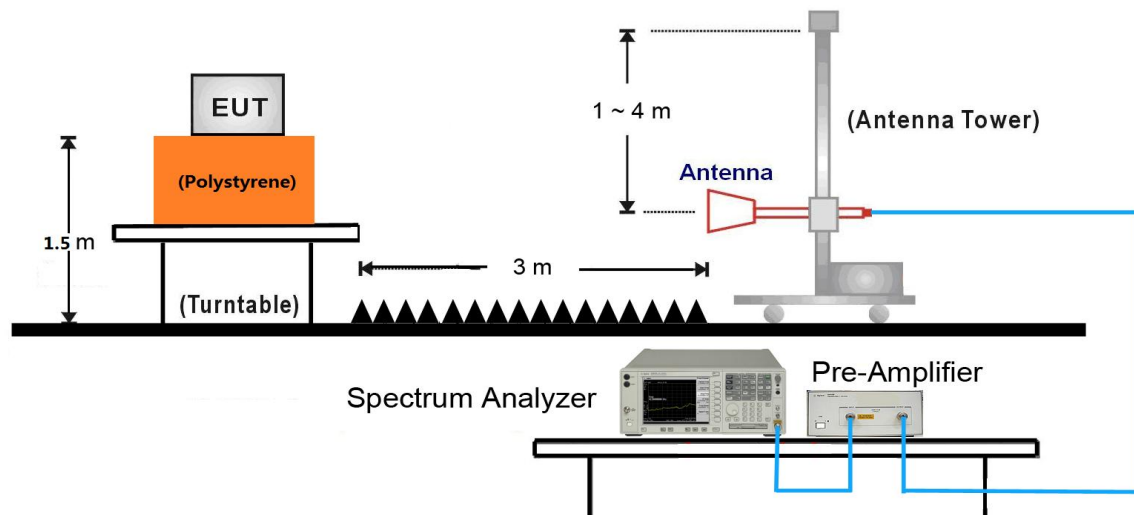
9kHz ~ 30MHz Test Setup:



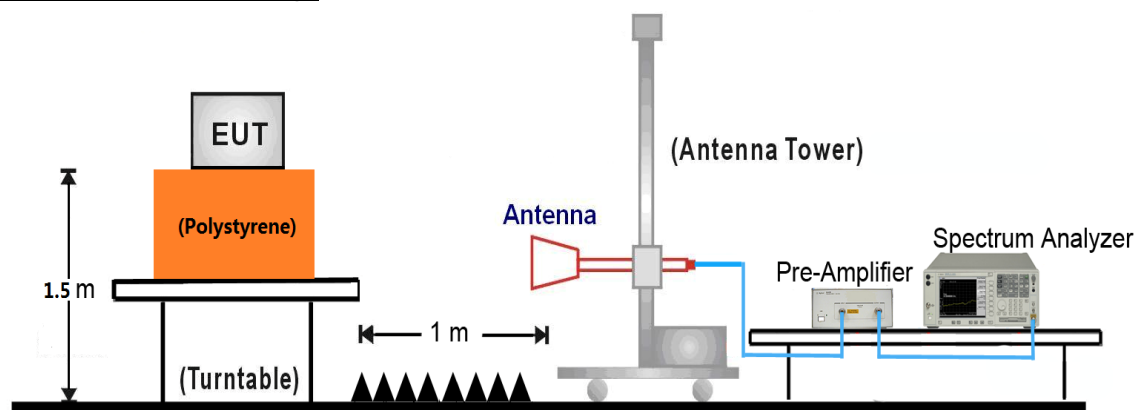
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~ 40GHz Test Setup:



7.8.5. Test Result

Dipole Antenna 1#

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	36	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7160.5	7.7	37.4	45.1	68.2	-23.2	Peak	Horizontal
*	7934.0	8.6	35.4	44.0	68.2	-24.3	Peak	Horizontal
	8384.5	8.2	37.4	45.6	74.0	-28.5	Peak	Horizontal
	10552.0	12.4	36.3	48.7	74.0	-25.4	Peak	Horizontal
*	7058.5	7.5	36.5	44.0	68.2	-24.3	Peak	Vertical
*	7772.5	8.4	37.0	45.4	68.2	-22.9	Peak	Vertical
	9124.0	9.9	35.6	45.5	74.0	-28.6	Peak	Vertical
	9396.0	10.4	36.7	47.1	74.0	-27.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	44	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7050.0	7.4	36.3	43.7	68.2	-24.5	Peak	Horizontal
*	7789.5	8.3	35.5	43.8	68.2	-24.4	Peak	Horizontal
	9438.5	10.5	37.0	47.5	74.0	-26.5	Peak	Horizontal
	10807.0	12.7	35.4	48.1	74.0	-25.9	Peak	Horizontal
*	7186.0	7.7	35.9	43.6	68.2	-24.6	Peak	Vertical
*	7730.0	8.2	36.1	44.3	68.2	-23.9	Peak	Vertical
	9260.0	10.3	35.9	46.2	74.0	-27.8	Peak	Vertical
	10926.0	12.9	35.4	48.3	74.0	-25.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	48	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7101.0	7.6	35.9	43.5	68.2	-24.7	Peak	Horizontal
*	7874.5	8.4	36.6	45.0	68.2	-23.2	Peak	Horizontal
	9047.5	9.2	36.3	45.5	74.0	-28.5	Peak	Horizontal
	10560.5	12.3	36.2	48.5	74.0	-25.5	Peak	Horizontal
*	7101.0	7.6	36.0	43.6	68.2	-24.6	Peak	Vertical
*	7713.0	8.1	35.8	43.9	68.2	-24.3	Peak	Vertical
	9132.5	9.9	35.8	45.7	74.0	-28.3	Peak	Vertical
	10994.0	12.8	36.4	49.2	74.0	-24.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	52	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6956.5	6.9	39.4	46.3	68.2	-21.9	Peak	Horizontal
*	7908.5	8.6	36.5	45.1	68.2	-23.1	Peak	Horizontal
	8214.5	8.1	36.2	44.3	74.0	-29.7	Peak	Horizontal
	9319.5	10.5	34.8	45.3	74.0	-28.7	Peak	Horizontal
*	6956.5	6.9	38.0	44.9	68.2	-23.3	Peak	Vertical
*	7934.0	8.7	35.3	44.0	68.2	-24.2	Peak	Vertical
	9362.0	10.6	35.6	46.2	74.0	-27.8	Peak	Vertical
	10747.5	12.6	35.3	47.9	74.0	-26.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	60	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6990.5	6.9	34.7	41.6	68.2	-26.6	Peak	Horizontal
*	7925.5	8.6	36.0	44.6	68.2	-23.6	Peak	Horizontal
	9124.0	9.9	34.4	44.3	74.0	-29.7	Peak	Horizontal
	11019.5	12.7	35.0	47.7	74.0	-26.3	Peak	Horizontal
*	6948.0	6.8	36.7	43.5	68.2	-24.7	Peak	Vertical
*	7781.0	8.3	36.0	44.3	68.2	-23.9	Peak	Vertical
	9362.0	10.5	34.1	44.6	74.0	-29.4	Peak	Vertical
	10560.5	12.3	35.7	48.0	74.0	-26.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	64	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7135.0	7.7	36.1	43.8	68.2	-24.4	Peak	Horizontal
*	7908.5	8.5	36.4	44.9	68.2	-23.3	Peak	Horizontal
	9413.0	10.4	35.3	45.7	74.0	-28.3	Peak	Horizontal
	11555.0	12.4	36.2	48.6	74.0	-25.4	Peak	Horizontal
*	7152.0	7.7	35.9	43.6	68.2	-24.6	Peak	Vertical
*	7806.5	8.3	36.1	44.4	68.2	-23.8	Peak	Vertical
	9387.5	10.4	34.9	45.3	74.0	-28.7	Peak	Vertical
	11410.5	12.6	35.8	48.4	74.0	-25.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	100	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7101.0	7.7	35.4	43.1	68.2	-25.1	Peak	Horizontal
*	7823.5	8.4	36.3	44.7	68.2	-23.5	Peak	Horizontal
	9387.5	10.5	34.9	45.4	74.0	-28.6	Peak	Horizontal
	11028.0	12.9	35.3	48.2	74.0	-25.8	Peak	Horizontal
*	7152.0	7.8	35.2	43.0	68.2	-25.2	Peak	Vertical
*	7900.0	8.6	35.7	44.3	68.2	-23.9	Peak	Vertical
	9090.0	9.8	34.7	44.5	74.0	-29.5	Peak	Vertical
	10994.0	12.9	35.9	48.8	74.0	-25.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	120	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7118.0	7.6	36.4	44.0	68.2	-24.3	Peak	Horizontal
*	7798.0	8.3	36.6	44.9	68.2	-23.4	Peak	Horizontal
	8129.5	8.2	36.0	44.2	74.0	-29.9	Peak	Horizontal
	10951.5	12.9	35.6	48.5	74.0	-25.6	Peak	Horizontal
*	7092.5	7.6	35.8	43.4	68.2	-24.9	Peak	Vertical
*	7747.0	8.3	36.5	44.8	68.2	-23.5	Peak	Vertical
	9404.5	10.4	36.3	46.7	74.0	-27.4	Peak	Vertical
	10730.5	12.5	35.7	48.2	74.0	-25.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	140	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7084.0	7.5	35.1	42.6	68.2	-25.6	Peak	Horizontal
*	7857.5	8.2	35.9	44.1	68.2	-24.1	Peak	Horizontal
	9090.0	9.6	34.4	44.0	74.0	-30.0	Peak	Horizontal
	10815.5	12.6	35.3	47.9	74.0	-26.1	Peak	Horizontal
*	7075.5	7.5	35.8	43.3	68.2	-24.9	Peak	Vertical
*	7789.5	8.2	34.9	43.1	68.2	-25.1	Peak	Vertical
	9141.0	9.9	35.2	45.1	74.0	-28.9	Peak	Vertical
	10722.0	12.3	35.1	47.4	74.0	-26.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7101.0	7.6	36.2	43.8	68.2	-24.4	Peak	Horizontal
*	7925.5	8.6	35.6	44.2	68.2	-24.0	Peak	Horizontal
	9285.5	10.3	33.7	44.0	74.0	-30.0	Peak	Horizontal
	11240.5	12.4	37.1	49.5	74.0	-24.5	Peak	Horizontal
*	7186.0	7.7	36.2	43.9	68.2	-24.3	Peak	Vertical
*	7789.5	8.3	35.8	44.1	68.2	-24.1	Peak	Vertical
	9311.0	10.4	34.9	45.3	74.0	-28.7	Peak	Vertical
	10900.5	13.0	35.2	48.2	74.0	-25.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7118.0	7.7	34.5	42.2	68.2	-26.0	Peak	Horizontal
*	7738.5	8.3	36.1	44.4	68.2	-23.8	Peak	Horizontal
	9081.5	9.7	34.4	44.1	74.0	-29.9	Peak	Horizontal
	10926.0	13.0	35.1	48.1	74.0	-25.9	Peak	Horizontal
*	7050.0	7.5	35.9	43.4	68.2	-24.8	Peak	Vertical
*	7798.0	8.4	35.5	43.9	68.2	-24.3	Peak	Vertical
	9132.5	10.0	34.2	44.2	74.0	-29.8	Peak	Vertical
	10815.5	12.8	35.1	47.9	74.0	-26.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7118.0	7.7	35.6	43.3	68.2	-24.9	Peak	Horizontal
*	7806.5	8.4	36.1	44.5	68.2	-23.7	Peak	Horizontal
	9387.5	10.5	36.9	47.4	74.0	-26.6	Peak	Horizontal
	10977.0	13.0	35.8	48.8	74.0	-25.2	Peak	Horizontal
*	7033.0	7.3	37.1	44.4	68.2	-23.8	Peak	Vertical
*	7781.0	8.4	35.6	44.0	68.2	-24.2	Peak	Vertical
	8129.5	8.3	37.3	45.6	74.0	-28.4	Peak	Vertical
	10960.0	13.0	35.7	48.7	74.0	-25.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	36	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7135.0	7.8	35.6	43.4	68.2	-24.8	Peak	Horizontal
*	7764.0	8.4	36.0	44.4	68.2	-23.8	Peak	Horizontal
	8248.5	8.0	36.3	44.3	74.0	-29.7	Peak	Horizontal
	10960.0	13.0	35.0	48.0	74.0	-26.0	Peak	Horizontal
*	7186.0	7.8	34.7	42.5	68.2	-25.7	Peak	Vertical
*	7874.5	8.5	36.8	45.3	68.2	-22.9	Peak	Vertical
	8112.5	8.4	35.1	43.5	74.0	-30.5	Peak	Vertical
	10764.5	12.7	35.1	47.8	74.0	-26.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	44	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7041.5	36.8	6.6	43.4	68.2	-24.8	Peak	Horizontal
*	7789.5	35.2	7.6	42.8	68.2	-25.4	Peak	Horizontal
	8189.0	35.5	7.3	42.8	74.0	-31.2	Peak	Horizontal
	11393.5	37.7	11.9	49.6	74.0	-24.4	Peak	Horizontal
*	7186.0	36.9	7.0	43.9	68.2	-24.3	Peak	Vertical
*	7781.0	37.1	7.6	44.7	68.2	-23.5	Peak	Vertical
	8248.5	36.7	7.2	43.9	74.0	-30.1	Peak	Vertical
	10739.0	36.4	11.8	48.2	74.0	-25.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	48	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7135.0	35.9	7.0	42.9	68.2	-25.3	Peak	Horizontal
*	7849.0	36.7	7.5	44.2	68.2	-24.0	Peak	Horizontal
	8240.0	36.6	7.2	43.8	74.0	-30.2	Peak	Horizontal
	10722.0	36.4	11.7	48.1	74.0	-25.9	Peak	Horizontal
*	7789.5	36.0	7.6	43.6	68.2	-24.6	Peak	Vertical
*	8716.0	34.9	8.1	43.0	68.2	-25.2	Peak	Vertical
	9370.5	34.6	9.8	44.4	74.0	-29.6	Peak	Vertical
	11223.5	36.2	11.6	47.8	74.0	-26.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	52	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7118.0	36.6	6.9	43.5	68.2	-24.7	Peak	Horizontal
*	7713.0	36.7	7.4	44.1	68.2	-24.1	Peak	Horizontal
	9285.5	35.4	9.6	45.0	74.0	-29.0	Peak	Horizontal
	11223.5	36.7	11.6	48.3	74.0	-25.7	Peak	Horizontal
*	7169.0	36.0	7.0	43.0	68.2	-25.2	Peak	Vertical
*	7832.0	36.6	7.5	44.1	68.2	-24.1	Peak	Vertical
	9413.0	36.8	9.7	46.5	74.0	-27.5	Peak	Vertical
	10892.0	36.4	12.3	48.7	74.0	-25.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	60	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6956.5	40.3	6.1	46.4	68.2	-21.9	Peak	Horizontal
*	7798.0	36.9	7.6	44.5	68.2	-23.8	Peak	Horizontal
	9098.5	35.3	9.0	44.3	74.0	-29.8	Peak	Horizontal
	11079.0	36.4	11.9	48.3	74.0	-25.8	Peak	Horizontal
*	6956.5	38.0	6.1	44.1	68.2	-24.2	Peak	Vertical
*	7874.5	36.8	7.7	44.5	68.2	-23.8	Peak	Vertical
	8410.0	35.9	7.4	43.3	74.0	-30.8	Peak	Vertical
	11402.0	36.6	11.9	48.5	74.0	-25.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	64	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7101.0	36.2	6.9	43.1	68.2	-25.1	Peak	Horizontal
*	7781.0	36.0	7.6	43.6	68.2	-24.6	Peak	Horizontal
	8393.0	36.7	7.4	44.1	74.0	-29.9	Peak	Horizontal
	10790.0	35.5	11.9	47.4	74.0	-26.6	Peak	Horizontal
*	6990.5	35.7	6.2	41.9	68.2	-26.3	Peak	Vertical
*	7832.0	37.6	7.5	45.1	68.2	-23.1	Peak	Vertical
	9285.5	35.3	9.6	44.9	74.0	-29.1	Peak	Vertical
	10943.0	36.4	12.2	48.6	74.0	-25.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	100	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7126.5	36.1	7.0	43.1	68.2	-25.1	Peak	Horizontal
*	7925.5	35.8	7.9	43.7	68.2	-24.5	Peak	Horizontal
	9328.0	35.0	9.7	44.7	74.0	-29.3	Peak	Horizontal
	10866.5	36.5	12.2	48.7	74.0	-25.3	Peak	Horizontal
*	7118.0	36.2	6.9	43.1	68.2	-25.1	Peak	Vertical
*	7849.0	36.7	7.5	44.2	68.2	-24.0	Peak	Vertical
	9413.0	35.5	9.7	45.2	74.0	-28.8	Peak	Vertical
	10994.0	35.9	12.1	48.0	74.0	-26.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	120	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7126.5	36.1	7.0	43.1	68.2	-25.1	Peak	Horizontal
*	7917.0	36.2	7.8	44.0	68.2	-24.2	Peak	Horizontal
	9124.0	35.6	9.2	44.8	74.0	-29.2	Peak	Horizontal
	10985.5	35.7	12.1	47.8	74.0	-26.2	Peak	Horizontal
*	7160.5	36.1	7.0	43.1	68.2	-25.1	Peak	Vertical
*	7823.5	37.4	7.6	45.0	68.2	-23.2	Peak	Vertical
	9387.5	36.2	9.7	45.9	74.0	-28.1	Peak	Vertical
	10994.0	35.7	12.1	47.8	74.0	-26.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	140	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7126.5	36.7	7.0	43.7	68.2	-24.5	Peak	Horizontal
*	7721.5	36.8	7.4	44.2	68.2	-24.0	Peak	Horizontal
	8002.0	37.0	8.0	45.0	74.0	-29.0	Peak	Horizontal
	10849.5	35.8	12.2	48.0	74.0	-26.0	Peak	Horizontal
*	7109.5	36.6	6.9	43.5	68.2	-24.7	Peak	Vertical
*	7900.0	36.0	7.8	43.8	68.2	-24.4	Peak	Vertical
	9251.5	36.1	9.6	45.7	74.0	-28.3	Peak	Vertical
	11079.0	36.5	11.9	48.4	74.0	-25.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7101.0	36.8	6.9	43.7	68.2	-24.5	Peak	Horizontal
*	7900.0	36.7	7.8	44.5	68.2	-23.7	Peak	Horizontal
	9438.5	35.8	9.8	45.6	74.0	-28.4	Peak	Horizontal
	10594.5	36.1	11.5	47.6	74.0	-26.4	Peak	Horizontal
*	6956.5	36.1	6.1	42.2	68.2	-26.0	Peak	Vertical
*	7823.5	36.9	7.6	44.5	68.2	-23.7	Peak	Vertical
	9370.5	35.4	9.8	45.2	74.0	-28.8	Peak	Vertical
	10866.5	35.9	12.2	48.1	74.0	-25.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6982.0	37.4	6.2	43.6	68.2	-24.6	Peak	Horizontal
*	7849.0	38.3	7.5	45.8	68.2	-22.4	Peak	Horizontal
	9379.0	35.1	9.7	44.8	74.0	-29.2	Peak	Horizontal
	10943.0	35.9	12.2	48.1	74.0	-25.9	Peak	Horizontal
*	7050.0	36.8	6.7	43.5	68.2	-24.7	Peak	Vertical
*	7925.5	36.2	7.9	44.1	68.2	-24.1	Peak	Vertical
	9090.0	36.3	9.0	45.3	74.0	-28.7	Peak	Vertical
	10926.0	35.1	12.2	47.3	74.0	-26.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6990.5	36.2	6.2	42.4	68.2	-25.8	Peak	Horizontal
*	7917.0	36.6	7.8	44.4	68.2	-23.8	Peak	Horizontal
	9090.0	36.5	9.0	45.5	74.0	-28.5	Peak	Horizontal
	10968.5	35.4	12.2	47.6	74.0	-26.4	Peak	Horizontal
*	7075.5	37.3	6.9	44.2	68.2	-24.0	Peak	Vertical
*	7738.5	37.3	7.5	44.8	68.2	-23.4	Peak	Vertical
	8299.5	35.4	7.2	42.6	74.0	-31.4	Peak	Vertical
	10934.5	35.6	12.2	47.8	74.0	-26.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	38	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6990.5	36.0	6.2	42.2	68.2	-26.0	Peak	Horizontal
*	7840.5	37.0	7.5	44.5	68.2	-23.7	Peak	Horizontal
	9064.5	36.1	8.7	44.8	74.0	-29.2	Peak	Horizontal
	10611.5	36.3	11.5	47.8	74.0	-26.2	Peak	Horizontal
*	7084.0	36.2	6.9	43.1	68.2	-25.1	Peak	Vertical
*	7840.5	37.5	7.5	45.0	68.2	-23.2	Peak	Vertical
	9260.0	36.2	9.6	45.8	74.0	-28.2	Peak	Vertical
	10883.5	35.9	12.2	48.1	74.0	-25.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	46	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6999.0	36.6	6.3	42.9	68.2	-25.4	Peak	Horizontal
*	7798.0	36.6	7.6	44.2	68.2	-24.1	Peak	Horizontal
	8333.5	37.0	7.3	44.3	74.0	-29.8	Peak	Horizontal
	10977.0	35.3	12.2	47.5	74.0	-26.6	Peak	Horizontal
*	7118.0	35.4	6.9	42.3	68.2	-26.0	Peak	Vertical
*	7823.5	37.4	7.6	45.0	68.2	-23.3	Peak	Vertical
	9438.5	35.9	9.8	45.7	74.0	-28.4	Peak	Vertical
	10909.0	35.2	12.3	47.5	74.0	-26.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	54	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7721.5	36.4	7.4	43.8	68.2	-24.5	Peak	Horizontal
*	8690.5	36.4	8.2	44.6	68.2	-23.7	Peak	Horizontal
	9107.0	36.3	9.0	45.3	74.0	-28.8	Peak	Horizontal
	10917.5	35.3	12.3	47.6	74.0	-26.5	Peak	Horizontal
*	7118.0	36.7	6.9	43.6	68.2	-24.7	Peak	Vertical
*	7798.0	36.8	7.6	44.4	68.2	-23.9	Peak	Vertical
	9387.5	36.0	9.7	45.7	74.0	-28.4	Peak	Vertical
	10934.5	35.6	12.2	47.8	74.0	-26.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	62	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7194.5	36.5	7.1	43.6	68.2	-24.6	Peak	Horizontal
*	7781.0	36.7	7.6	44.3	68.2	-23.9	Peak	Horizontal
	8316.5	37.5	7.2	44.7	74.0	-29.3	Peak	Horizontal
	10832.5	36.8	12.1	48.9	74.0	-25.1	Peak	Horizontal
*	7109.5	37.4	6.9	44.3	68.2	-23.9	Peak	Vertical
*	7815.0	37.5	7.6	45.1	68.2	-23.1	Peak	Vertical
	9081.5	36.2	8.9	45.1	74.0	-28.9	Peak	Vertical
	11351.0	36.2	11.8	48.0	74.0	-26.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	102	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7917.0	36.5	7.8	44.3	68.2	-23.9	Peak	Horizontal
*	7917.0	36.5	7.8	44.3	68.2	-23.9	Peak	Horizontal
	8486.5	37	7.7	44.7	74.0	-29.3	Peak	Horizontal
	9311.0	35.5	9.7	45.2	74.0	-28.8	Peak	Horizontal
*	10824.0	35.8	12.1	47.9	68.2	-20.3	Peak	Vertical
*	6973.5	37.8	6.1	43.9	68.2	-24.3	Peak	Vertical
	7832.0	36.8	7.5	44.3	74.0	-29.7	Peak	Vertical
	9430.0	35.9	9.8	45.7	74.0	-28.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	118	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7194.5	36.7	7.1	43.8	68.2	-24.4	Peak	Horizontal
*	7934.0	36.2	7.9	44.1	68.2	-24.1	Peak	Horizontal
	9438.5	37.3	9.8	47.1	74.0	-26.9	Peak	Horizontal
	10815.5	35.6	12.0	47.6	74.0	-26.4	Peak	Horizontal
*	7152.0	37.2	7.0	44.2	68.2	-24.0	Peak	Vertical
*	7806.5	37.5	7.6	45.1	68.2	-23.1	Peak	Vertical
	9115.5	36.2	9.1	45.3	74.0	-28.7	Peak	Vertical
	10747.5	36.6	11.8	48.4	74.0	-25.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	134	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7016.0	36.8	6.4	43.2	68.2	-25.0	Peak	Horizontal
*	7781.0	37.2	7.6	44.8	68.2	-23.4	Peak	Horizontal
	8282.5	37.0	7.2	44.2	74.0	-29.8	Peak	Horizontal
	10892.0	35.9	12.3	48.2	74.0	-25.8	Peak	Horizontal
*	7075.5	36.2	6.9	43.1	68.2	-25.1	Peak	Vertical
*	7764.0	37.6	7.6	45.2	68.2	-23.0	Peak	Vertical
	9251.5	35.6	9.6	45.2	74.0	-28.8	Peak	Vertical
	11189.5	36.2	11.6	47.8	74.0	-26.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	151	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7024.5	36.9	6.5	43.4	68.2	-24.8	Peak	Horizontal
*	7781.0	36.9	7.6	44.5	68.2	-23.7	Peak	Horizontal
	9396.0	35.7	9.7	45.4	74.0	-28.6	Peak	Horizontal
	11028.0	36.1	12.1	48.2	74.0	-25.8	Peak	Horizontal
*	7873.4	35.3	7.7	43.0	68.2	-25.2	Peak	Vertical
*	8600.5	35.2	8.0	43.2	68.2	-25.0	Peak	Vertical
	9400.6	35.0	9.7	44.7	74.0	-29.3	Peak	Vertical
	11492.5	35.4	11.9	47.3	74.0	-26.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	159	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7605.8	35.9	7.2	43.1	68.2	-25.1	Peak	Horizontal
*	8595.4	35.7	8.0	43.7	68.2	-24.5	Peak	Horizontal
	9102.8	35.1	9.0	44.1	74.0	-29.9	Peak	Horizontal
	11212.4	35.8	11.6	47.4	74.0	-26.6	Peak	Horizontal
*	7050.5	35.5	6.7	42.2	68.2	-26.0	Peak	Vertical
*	7797.5	35.7	7.6	43.3	68.2	-24.9	Peak	Vertical
	9077.0	34.7	8.9	43.6	74.0	-30.4	Peak	Vertical
	10949.5	35.3	12.2	47.5	74.0	-26.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	36	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7070.6	35.2	6.8	42.0	68.2	-26.2	Peak	Horizontal
*	8248.5	35.3	7.2	42.5	68.2	-25.7	Peak	Horizontal
	9379.5	34.8	9.7	44.5	74.0	-29.5	Peak	Horizontal
	11377.5	35.0	11.8	46.8	74.0	-27.2	Peak	Horizontal
*	7097.0	35.5	6.9	42.4	68.2	-25.8	Peak	Vertical
*	7857.5	36.3	7.6	43.9	68.2	-24.3	Peak	Vertical
	9287.5	34.7	9.6	44.3	74.0	-29.7	Peak	Vertical
	10852.5	35.5	12.2	47.7	74.0	-26.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	44	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7097.5	35.3	6.9	42.2	68.2	-26.1	Peak	Horizontal
*	7797.5	35.8	7.6	43.4	68.2	-24.9	Peak	Horizontal
	8400.5	35.4	7.4	42.8	74.0	-31.3	Peak	Horizontal
	10600.5	34.5	11.5	46.0	74.0	-28.1	Peak	Horizontal
*	6977.0	35.9	6.1	42.0	68.2	-26.3	Peak	Vertical
*	7732.5	35.5	7.5	43.0	68.2	-25.3	Peak	Vertical
	9079.0	35.0	8.9	43.9	74.0	-30.2	Peak	Vertical
	10742.0	34.6	11.8	46.4	74.0	-27.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	48	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7097.5	35.5	6.9	42.4	68.2	-25.8	Peak	Horizontal
*	7877.5	36.2	7.7	43.9	68.2	-24.3	Peak	Horizontal
	8292.5	36.1	7.2	43.3	74.0	-30.7	Peak	Horizontal
	9400.0	35.7	9.7	45.4	74.0	-28.6	Peak	Horizontal
*	6977.5	35.7	6.1	41.8	68.2	-26.4	Peak	Vertical
*	7711.5	35.1	7.4	42.5	68.2	-25.7	Peak	Vertical
	9050.5	34.9	8.5	43.4	74.0	-30.6	Peak	Vertical
	11077.5	34.9	11.9	46.8	74.0	-27.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	52	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6997.0	35.9	6.3	42.2	68.2	-26.1	Peak	Horizontal
*	7867.5	35.8	7.6	43.4	68.2	-24.9	Peak	Horizontal
	9127.0	34.7	9.2	43.9	74.0	-30.2	Peak	Horizontal
	11147.0	34.8	11.7	46.5	74.0	-27.6	Peak	Horizontal
*	6957.0	35.2	6.1	41.3	68.2	-27.0	Peak	Vertical
*	7877.0	36.0	7.7	43.7	68.2	-24.6	Peak	Vertical
	8297.5	36.0	7.2	43.2	74.0	-30.9	Peak	Vertical
	9423.5	35.2	9.8	45.0	74.0	-29.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	60	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7037.0	35.4	6.6	42.0	68.2	-26.2	Peak	Horizontal
*	7907.5	35.1	7.8	42.9	68.2	-25.3	Peak	Horizontal
	9409.5	34.7	9.7	44.4	74.0	-29.6	Peak	Horizontal
	11157.5	35.1	11.6	46.7	74.0	-27.3	Peak	Horizontal
*	7107.0	35.8	6.9	42.7	68.2	-25.5	Peak	Vertical
*	7917.0	35.4	7.8	43.2	68.2	-25.0	Peak	Vertical
	9079.5	34.9	8.9	43.8	74.0	-30.2	Peak	Vertical
	10777.5	34.5	11.9	46.4	74.0	-27.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	64	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6948.0	35.4	6.1	41.5	68.2	-26.7	Peak	Horizontal
*	7897.0	35.7	7.8	43.5	68.2	-24.7	Peak	Horizontal
	8410.5	35.2	7.4	42.6	74.0	-31.4	Peak	Horizontal
	10700.5	34.3	11.7	46.0	74.0	-28.0	Peak	Horizontal
*	6948.5	36.3	6.1	42.4	68.2	-25.8	Peak	Vertical
*	7811.0	35.8	7.6	43.4	68.2	-24.8	Peak	Vertical
	9070.5	34.9	8.8	43.7	74.0	-30.3	Peak	Vertical
	10705.5	33.9	11.7	45.6	74.0	-28.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	100	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7047.5	35.2	6.7	41.9	68.2	-26.4	Peak	Horizontal
*	7879.5	36.1	7.7	43.8	68.2	-24.5	Peak	Horizontal
	8399.5	35.2	7.4	42.6	74.0	-31.5	Peak	Horizontal
	9410.5	35.7	9.7	45.4	74.0	-28.7	Peak	Horizontal
*	6952.0	36.7	6.1	42.8	68.2	-25.5	Peak	Vertical
*	7879.5	35.9	7.7	43.6	68.2	-24.7	Peak	Vertical
	9070.5	35.4	8.8	44.2	74.0	-29.9	Peak	Vertical
	10620.5	34.9	11.6	46.5	74.0	-27.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	120	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7059.5	35.6	6.8	42.4	68.2	-25.8	Peak	Horizontal
*	7810.5	45.0	7.6	52.6	68.2	-15.6	Peak	Horizontal
	9397.5	34.8	9.7	44.5	74.0	-29.5	Peak	Horizontal
	10630.5	34.4	11.6	46.0	74.0	-28.0	Peak	Horizontal
*	6949.5	35.2	6.1	41.3	68.2	-26.9	Peak	Vertical
*	7800.5	35.6	7.6	43.2	68.2	-25.0	Peak	Vertical
	8292.0	34.7	7.2	41.9	74.0	-32.1	Peak	Vertical
	9400.5	34.8	9.7	44.5	74.0	-29.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	140	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7135.0	37.0	7.0	44.0	68.2	-24.2	Peak	Horizontal
*	8563.0	37.0	8.0	45.0	68.2	-23.2	Peak	Horizontal
	9268.5	36.2	9.6	45.8	74.0	-28.2	Peak	Horizontal
	11198.0	36.6	11.6	48.2	74.0	-25.8	Peak	Horizontal
*	7070.5	35.1	6.8	41.9	68.2	-26.3	Peak	Vertical
*	7882.5	35.3	7.7	43.0	68.2	-25.2	Peak	Vertical
	9103.5	34.9	9.0	43.9	74.0	-30.1	Peak	Vertical
	10970.0	35.0	12.2	47.2	74.0	-26.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	144	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7067.0	35.8	6.8	42.6	68.2	-25.6	Peak	Horizontal
*	7733.0	35.2	7.5	42.7	68.2	-25.5	Peak	Horizontal
	8399.0	35.4	7.4	42.8	74.0	-31.2	Peak	Horizontal
	9433.5	35.1	9.8	44.9	74.0	-29.1	Peak	Horizontal
*	6949.0	35.2	6.1	41.3	68.2	-26.9	Peak	Vertical
*	7742.0	34.9	7.5	42.4	68.2	-25.8	Peak	Vertical
	8423.5	35.4	7.5	42.9	74.0	-31.1	Peak	Vertical
	9415.0	35.4	9.7	45.1	74.0	-28.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7023.0	35.2	6.5	41.7	68.2	-26.5	Peak	Horizontal
*	7745.0	35.0	7.6	42.6	68.2	-25.6	Peak	Horizontal
	8399.5	35.2	7.4	42.6	74.0	-31.4	Peak	Horizontal
	11182.0	35.1	11.6	46.7	74.0	-27.3	Peak	Horizontal
*	7177.0	35.4	7.0	42.4	68.2	-25.8	Peak	Vertical
*	7923.0	35.6	7.9	43.5	68.2	-24.7	Peak	Vertical
	9117.0	35.2	9.1	44.3	74.0	-29.7	Peak	Vertical
	10636.5	35.3	11.6	46.9	74.0	-27.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7095.5	35.1	6.9	42.0	68.2	-26.3	Peak	Horizontal
*	7915.0	35.1	7.8	42.9	68.2	-25.4	Peak	Horizontal
	9079.5	35.4	8.9	44.3	74.0	-29.8	Peak	Horizontal
	11182.3	34.8	11.6	46.4	74.0	-27.7	Peak	Horizontal
*	6948.5	35.3	6.1	41.4	68.2	-26.9	Peak	Vertical
*	7706.5	35.3	7.3	42.6	68.2	-25.7	Peak	Vertical
	9137.0	35.0	9.3	44.3	74.0	-29.8	Peak	Vertical
	10612.0	34.8	11.5	46.3	74.0	-27.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6952.0	35.3	6.1	41.4	68.2	-26.8	Peak	Horizontal
*	7745.5	35.2	7.6	42.8	68.2	-25.4	Peak	Horizontal
	8417.0	35.2	7.4	42.6	74.0	-31.4	Peak	Horizontal
	9436.5	35.0	9.8	44.8	74.0	-29.2	Peak	Horizontal
*	6950.5	35.4	6.1	41.5	68.2	-26.7	Peak	Vertical
*	7920.5	34.9	7.9	42.8	68.2	-25.4	Peak	Vertical
	9410.0	35.1	9.7	44.8	74.0	-29.2	Peak	Vertical
	11077.0	34.3	11.9	46.2	74.0	-27.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	38	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7117.0	36.3	6.9	43.2	68.2	-25.0	Peak	Horizontal
*	7917.0	35.0	7.8	42.8	68.2	-25.4	Peak	Horizontal
	8097.0	34.7	7.6	42.3	74.0	-31.7	Peak	Horizontal
	9326.5	34.2	9.7	43.9	74.0	-30.1	Peak	Horizontal
*	6950.5	35.3	6.1	41.4	68.2	-26.8	Peak	Vertical
*	7743.5	35.5	7.5	43.0	68.2	-25.2	Peak	Vertical
	9079.5	35.5	8.9	44.4	74.0	-29.6	Peak	Vertical
	10017.5	34.1	10.7	44.8	74.0	-29.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	46	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7100.5	34.8	6.9	41.7	68.2	-26.5	Peak	Horizontal
*	7923.5	35.2	7.9	43.1	68.2	-25.1	Peak	Horizontal
	9433.0	35.2	9.8	45.0	74.0	-29.0	Peak	Horizontal
	11273.0	35.1	11.7	46.8	74.0	-27.2	Peak	Horizontal
*	6962.5	35.2	6.1	41.3	68.2	-26.9	Peak	Vertical
*	7766.0	34.8	7.6	42.4	68.2	-25.8	Peak	Vertical
	8289.5	35.6	7.2	42.8	74.0	-31.2	Peak	Vertical
	9323.5	34.0	9.7	43.7	74.0	-30.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	54	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7012.6	35.9	6.4	42.3	68.2	-25.9	Peak	Horizontal
*	7859.5	35.8	7.6	43.4	68.2	-24.8	Peak	Horizontal
	9012.5	34.6	8.3	42.9	74.0	-31.1	Peak	Horizontal
	10679.5	33.4	11.7	45.1	74.0	-28.9	Peak	Horizontal
*	6956.5	35.9	6.1	42.0	68.2	-26.2	Peak	Vertical
*	7948.5	36.0	7.9	43.9	68.2	-24.3	Peak	Vertical
	9339.5	35.0	9.7	44.7	74.0	-29.3	Peak	Vertical
	10950.0	34.8	12.2	47.0	74.0	-27.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	62	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7034.5	36.2	6.5	42.7	68.2	-25.5	Peak	Horizontal
*	7759.0	35.6	7.6	43.2	68.2	-25.0	Peak	Horizontal
	8400.5	35.5	7.4	42.9	74.0	-31.1	Peak	Horizontal
	9274.5	34.2	9.6	43.8	74.0	-30.2	Peak	Horizontal
*	6990.0	35.3	6.2	41.5	68.2	-26.7	Peak	Vertical
*	7742.0	35.4	7.5	42.9	68.2	-25.3	Peak	Vertical
	8328.0	35.3	7.2	42.5	74.0	-31.5	Peak	Vertical
	9434.0	35.3	9.8	45.1	74.0	-28.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	102	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7018.0	35.5	6.4	41.9	68.2	-26.3	Peak	Horizontal
*	8710.0	36.1	8.2	44.3	68.2	-23.9	Peak	Horizontal
	9399.0	35.4	9.7	45.1	74.0	-28.9	Peak	Horizontal
	10810.0	34.7	12.0	46.7	74.0	-27.3	Peak	Horizontal
*	7925.0	35.5	7.9	43.4	68.2	-24.8	Peak	Vertical
*	8681.0	34.9	8.1	43.0	68.2	-25.2	Peak	Vertical
	9055.0	35.7	8.6	44.3	74.0	-29.7	Peak	Vertical
	10950.5	34.1	12.2	46.3	74.0	-27.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	118	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6948.0	35.3	6.1	41.4	68.2	-26.8	Peak	Horizontal
*	7879.0	35.8	7.7	43.5	68.2	-24.7	Peak	Horizontal
	9400.5	35.1	9.7	44.8	74.0	-29.2	Peak	Horizontal
	10783.5	34.1	11.9	46.0	74.0	-28.0	Peak	Horizontal
*	7797.0	36.2	7.6	43.8	68.2	-24.4	Peak	Vertical
*	8580.0	34.7	8.0	42.7	68.2	-25.5	Peak	Vertical
	9399.0	34.8	9.7	44.5	74.0	-29.5	Peak	Vertical
	11301.0	35.1	11.7	46.8	74.0	-27.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	134	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7001.0	35.7	6.3	42.0	68.2	-26.2	Peak	Horizontal
*	7917.0	35.3	7.8	43.1	68.2	-25.1	Peak	Horizontal
	9079.0	35.1	8.9	44.0	74.0	-30.0	Peak	Horizontal
	10700.5	34.2	11.7	45.9	74.0	-28.1	Peak	Horizontal
*	7079.0	35.2	6.9	42.1	68.2	-26.1	Peak	Vertical
*	7745.5	35.4	7.6	43.0	68.2	-25.2	Peak	Vertical
	9399.5	34.9	9.7	44.6	74.0	-29.4	Peak	Vertical
	11192.3	34.7	11.6	46.3	74.0	-27.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	142	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7112.2	34.9	6.9	41.8	68.2	-26.4	Peak	Horizontal
*	7743.5	34.9	7.5	42.4	68.2	-25.8	Peak	Horizontal
	9384.0	35.1	9.7	44.8	74.0	-29.2	Peak	Horizontal
	10810.5	33.9	12.0	45.9	74.0	-28.1	Peak	Horizontal
*	7190.5	35.2	7.0	42.2	68.2	-26.0	Peak	Vertical
*	8571.5	36.3	8.0	44.3	68.2	-23.9	Peak	Vertical
	9334.5	34.3	9.7	44.0	74.0	-30.0	Peak	Vertical
	11397.0	35.0	11.9	46.9	74.0	-27.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	151	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6951.5	35.3	6.1	41.4	68.2	-26.8	Peak	Horizontal
*	7797.5	35.5	7.6	43.1	68.2	-25.1	Peak	Horizontal
	9097.5	35.3	9.0	44.3	74.0	-29.7	Peak	Horizontal
	10820.0	34.3	12.0	46.3	74.0	-27.7	Peak	Horizontal
*	7092.5	35.2	6.9	42.1	68.2	-26.1	Peak	Vertical
*	7920.5	35.8	7.9	43.7	68.2	-24.5	Peak	Vertical
	9410.5	35.1	9.7	44.8	74.0	-29.2	Peak	Vertical
	10705.5	34.8	11.7	46.5	74.0	-27.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	159	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7079.5	35.3	6.9	42.2	68.2	-26.0	Peak	Horizontal
*	7962.5	35.1	7.9	43.0	68.2	-25.2	Peak	Horizontal
	9384.5	35.6	9.7	45.3	74.0	-28.7	Peak	Horizontal
	11182.5	36.6	11.6	48.2	74.0	-25.8	Peak	Horizontal
*	6950.0	35.2	6.1	41.3	68.2	-26.9	Peak	Vertical
*	7910.0	35.6	7.8	43.4	68.2	-24.8	Peak	Vertical
	9079.0	35.6	8.9	44.5	74.0	-29.5	Peak	Vertical
	10728.0	35.0	11.8	46.8	74.0	-27.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT80	Test Site:	AC1
Test Channel:	42	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7047.0	35.4	6.7	42.1	68.2	-26.1	Peak	Horizontal
*	7880.0	35.4	7.7	43.1	68.2	-25.1	Peak	Horizontal
	8399.0	35.9	7.4	43.3	74.0	-30.7	Peak	Horizontal
	9326.5	34.4	9.7	44.1	74.0	-29.9	Peak	Horizontal
*	7182.0	35.4	7.0	42.4	68.2	-25.8	Peak	Vertical
*	7862.0	35.5	7.6	43.1	68.2	-25.1	Peak	Vertical
	9081.0	35.9	8.9	44.8	74.0	-29.2	Peak	Vertical
	11038.5	34.6	12.0	46.6	74.0	-27.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT80	Test Site:	AC1
Test Channel:	58	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6984.0	35.3	6.2	41.5	68.2	-26.7	Peak	Horizontal
*	7848.0	36.1	7.5	43.6	68.2	-24.6	Peak	Horizontal
	8399.0	35.3	7.4	42.7	74.0	-31.3	Peak	Horizontal
	9384.0	35.5	9.7	45.2	74.0	-28.8	Peak	Horizontal
*	7001.0	35.0	6.3	41.3	68.2	-26.9	Peak	Vertical
*	7855.0	35.2	7.6	42.8	68.2	-25.4	Peak	Vertical
	9129.0	35.7	9.2	44.9	74.0	-29.1	Peak	Vertical
	11268.0	34.2	11.7	45.9	74.0	-28.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT80	Test Site:	AC1
Test Channel:	106	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7119.0	35.7	6.9	42.6	68.2	-25.6	Peak	Horizontal
*	7848.0	36.0	7.5	43.5	68.2	-24.7	Peak	Horizontal
	8289.0	36.0	7.2	43.2	74.0	-30.8	Peak	Horizontal
	9384.5	35.9	9.7	45.6	74.0	-28.4	Peak	Horizontal
*	7050.0	35.4	6.7	42.1	68.2	-26.1	Peak	Vertical
*	7731.5	35.1	7.5	42.6	68.2	-25.6	Peak	Vertical
	9047.0	35.1	8.5	43.6	74.0	-30.4	Peak	Vertical
	9442.0	34.8	9.8	44.6	74.0	-29.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT80	Test Site:	AC1
Test Channel:	122	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6955.0	35.1	6.1	41.2	68.2	-27.0	Peak	Horizontal
*	7727.5	35.6	7.5	43.1	68.2	-25.1	Peak	Horizontal
	9120.0	35.3	9.1	44.4	74.0	-29.6	Peak	Horizontal
	11178.5	34.5	11.6	46.1	74.0	-27.9	Peak	Horizontal
*	7071.5	34.6	6.8	41.4	68.2	-26.8	Peak	Vertical
*	7922.5	35.6	7.9	43.5	68.2	-24.7	Peak	Vertical
	8292.3	36.1	7.2	43.3	74.0	-30.7	Peak	Vertical
	9410.5	34.9	9.7	44.6	74.0	-29.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT80	Test Site:	AC1
Test Channel:	138	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7041.0	35.8	6.6	42.4	68.2	-25.8	Peak	Horizontal
*	7882.0	36.4	7.7	44.1	68.2	-24.1	Peak	Horizontal
	8399.0	35.2	7.4	42.6	74.0	-31.4	Peak	Horizontal
	9384.5	35.1	9.7	44.8	74.0	-29.2	Peak	Horizontal
*	7049.5	35.1	6.7	41.8	68.2	-26.4	Peak	Vertical
*	7851.5	36.0	7.6	43.6	68.2	-24.6	Peak	Vertical
	8957.5	34.2	8.1	42.3	74.0	-31.7	Peak	Vertical
	11182.2	34.9	11.6	46.5	74.0	-27.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT80	Test Site:	AC1
Test Channel:	155	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7056.5	34.8	6.7	41.5	68.2	-26.7	Peak	Horizontal
*	7892.0	35.8	7.7	43.5	68.2	-24.7	Peak	Horizontal
	8294.0	34.8	7.2	42.0	74.0	-32.0	Peak	Horizontal
	9426.5	35.2	9.8	45.0	74.0	-29.0	Peak	Horizontal
*	7047.0	35.4	6.7	42.1	68.2	-26.1	Peak	Vertical
*	7922.5	35.6	7.9	43.5	68.2	-24.7	Peak	Vertical
	8410.5	34.7	7.4	42.1	74.0	-31.9	Peak	Vertical
	11177.5	34.4	11.6	46.0	74.0	-28.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Panel Antenna 2# and 3# Worst-Case Mode

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7162.5	35.8	7.7	43.5	68.2	-24.7	Peak	Horizontal
*	8743.5	35.9	9.0	44.9	68.2	-23.3	Peak	Horizontal
	9423.5	36.0	10.6	46.6	74.0	-27.4	Peak	Horizontal
	11540.0	37.3	12.7	50.0	74.0	-24.0	Peak	Horizontal
*	7230.5	36.6	7.8	44.4	68.2	-23.8	Peak	Vertical
*	8735.0	36.1	8.9	45.0	68.2	-23.2	Peak	Vertical
	9381.0	35.1	10.5	45.6	74.0	-28.4	Peak	Vertical
	11489.0	37.9	12.8	50.7	74.0	-23.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7154.0	35.6	7.7	43.3	68.2	-24.9	Peak	Horizontal
*	8726.5	36.3	9.0	45.3	68.2	-22.9	Peak	Horizontal
	9372.5	36.0	10.5	46.5	74.0	-27.5	Peak	Horizontal
	10868.5	36.1	12.8	48.9	74.0	-25.1	Peak	Horizontal
*	7162.5	36.8	7.7	44.5	68.2	-23.7	Peak	Vertical
*	8862.5	36.2	9.1	45.3	68.2	-22.9	Peak	Vertical
	9338.5	34.5	10.4	44.9	74.0	-29.1	Peak	Vertical
	11574.0	37.3	12.6	49.9	74.0	-24.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	159	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7120.0	36.6	7.6	44.2	68.2	-24.0	Peak	Horizontal
*	8752.0	36.6	9.0	45.6	68.2	-22.6	Peak	Horizontal
	9483.0	36.3	10.6	46.9	74.0	-27.1	Peak	Horizontal
	11404.0	36.2	12.6	48.8	74.0	-25.2	Peak	Horizontal
*	7145.5	35.9	7.7	43.6	68.2	-24.6	Peak	Vertical
*	8820.0	36.3	9.0	45.3	68.2	-22.9	Peak	Vertical
	9415.0	34.8	10.6	45.4	74.0	-28.6	Peak	Vertical
	11489.0	36.2	12.8	49.0	74.0	-25.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7825.5	36.2	8.4	44.6	68.2	-23.6	Peak	Horizontal
*	8726.5	36.4	9.0	45.4	68.2	-22.8	Peak	Horizontal
	9466.0	36.4	10.5	46.9	74.0	-27.1	Peak	Horizontal
	11514.5	35.8	12.8	48.6	74.0	-25.4	Peak	Horizontal
*	7086.0	36.6	7.3	43.9	68.2	-24.3	Peak	Vertical
*	8650.0	36.7	8.8	45.5	68.2	-22.7	Peak	Vertical
	9440.5	35.6	10.5	46.1	74.0	-27.9	Peak	Vertical
	11489.0	37.5	12.8	50.3	74.0	-23.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT80	Test Site:	AC1
Test Channel:	155	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7171.0	37.1	7.7	44.8	68.2	-23.4	Peak	Horizontal
*	8769.0	36.7	8.9	45.6	68.2	-22.6	Peak	Horizontal
	9423.5	35.2	10.6	45.8	74.0	-28.2	Peak	Horizontal
	11514.5	36.1	12.8	48.9	74.0	-25.1	Peak	Horizontal
*	7111.5	35.3	7.5	42.8	68.2	-25.4	Peak	Vertical
*	8811.5	36.1	9.0	45.1	68.2	-23.1	Peak	Vertical
	9440.5	34.7	10.5	45.2	74.0	-28.8	Peak	Vertical
	11557.0	36.2	12.7	48.9	74.0	-25.1	Peak	Vertical

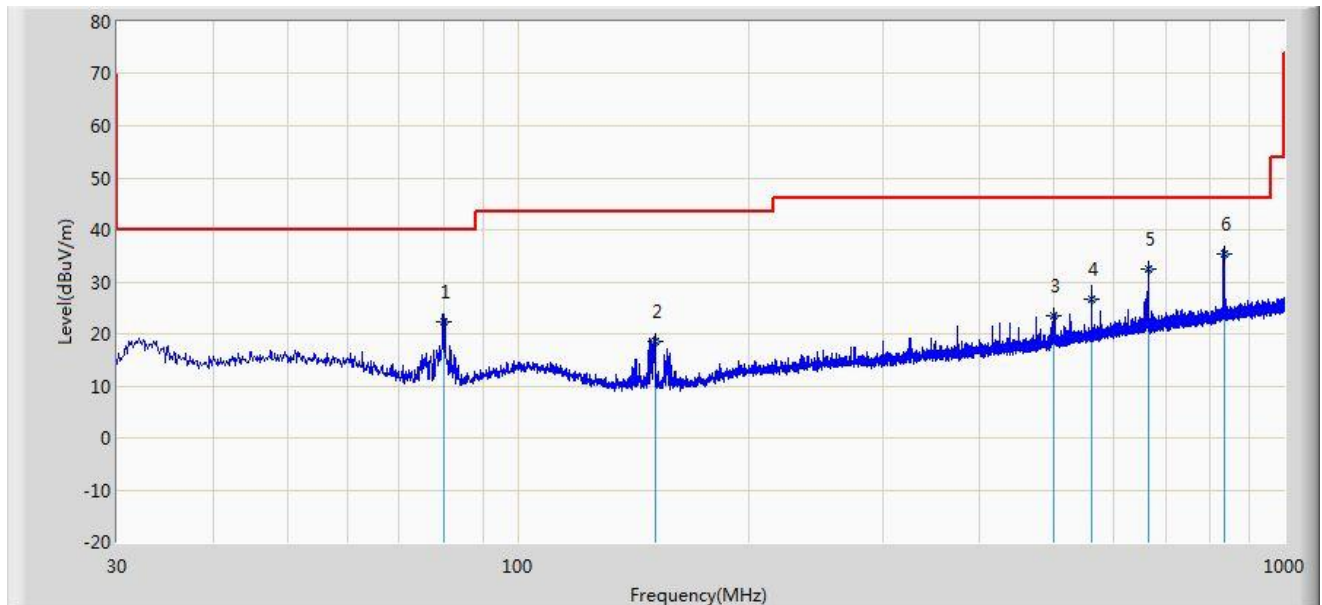
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

The worst case of Radiated Emission below 1GHz:

Site: AC1	Time: 2015/04/12 - 15:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Worst Mode: Transmit by 802.11a at channel 5240MHz	

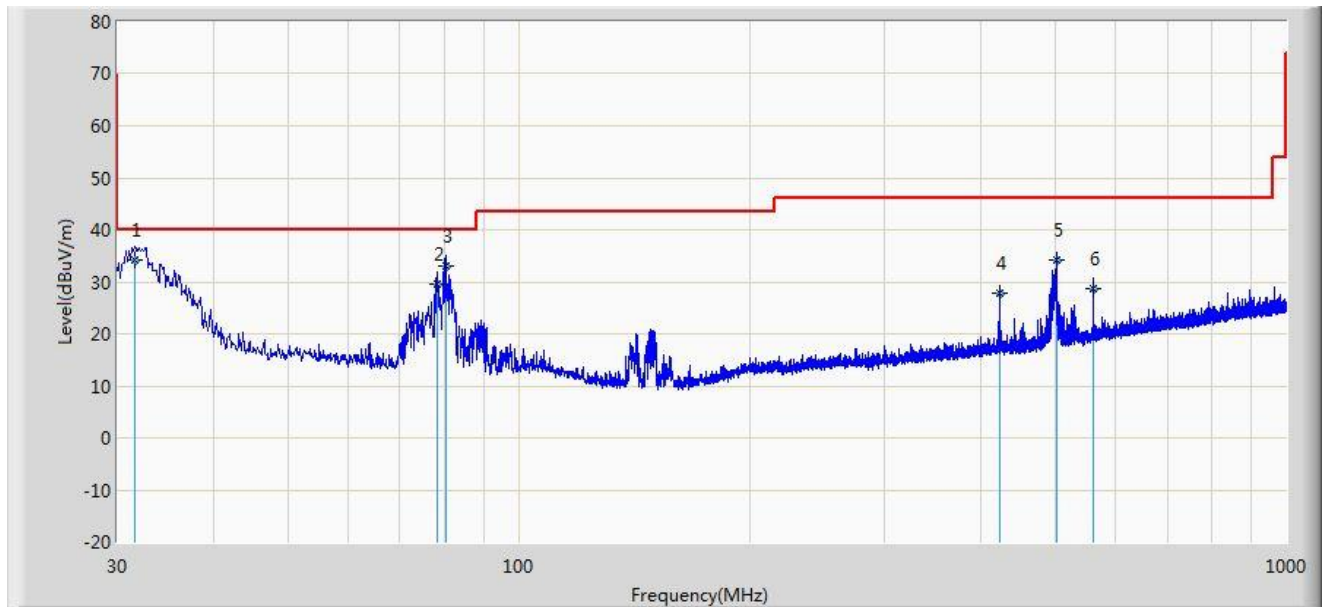


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			79.980	22.182	12.824	-17.818	40.000	9.358	QP
2			151.080	18.621	9.141	-24.879	43.500	9.480	QP
3			500.400	23.517	5.282	-22.483	46.000	18.235	QP
4			560.074	26.650	7.400	-19.350	46.000	19.249	QP
5			664.205	32.399	11.570	-13.601	46.000	20.829	QP
6		*	833.835	35.310	12.077	-10.690	46.000	23.233	QP

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2015/04/12 - 15:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Worst Mode: Transmit by 802.11a at channel 5240MHz	

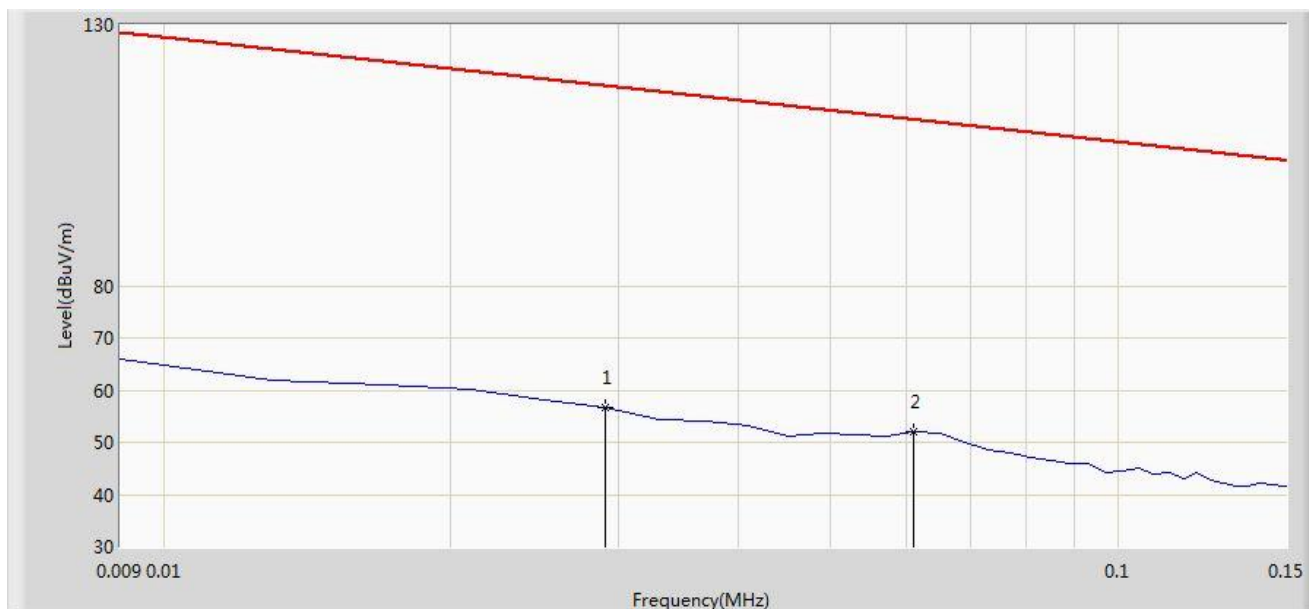


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	31.620	34.245	21.934	-5.755	40.000	12.311	QP
2			78.360	29.632	20.500	-10.368	40.000	9.132	QP
3			80.420	32.932	23.512	-7.068	40.000	9.420	QP
4			422.740	27.757	10.780	-18.243	46.000	16.977	QP
5			501.600	34.109	15.860	-11.891	46.000	18.249	QP
6			560.030	28.788	9.539	-17.212	46.000	19.248	QP

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2015/05/10 - 18:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

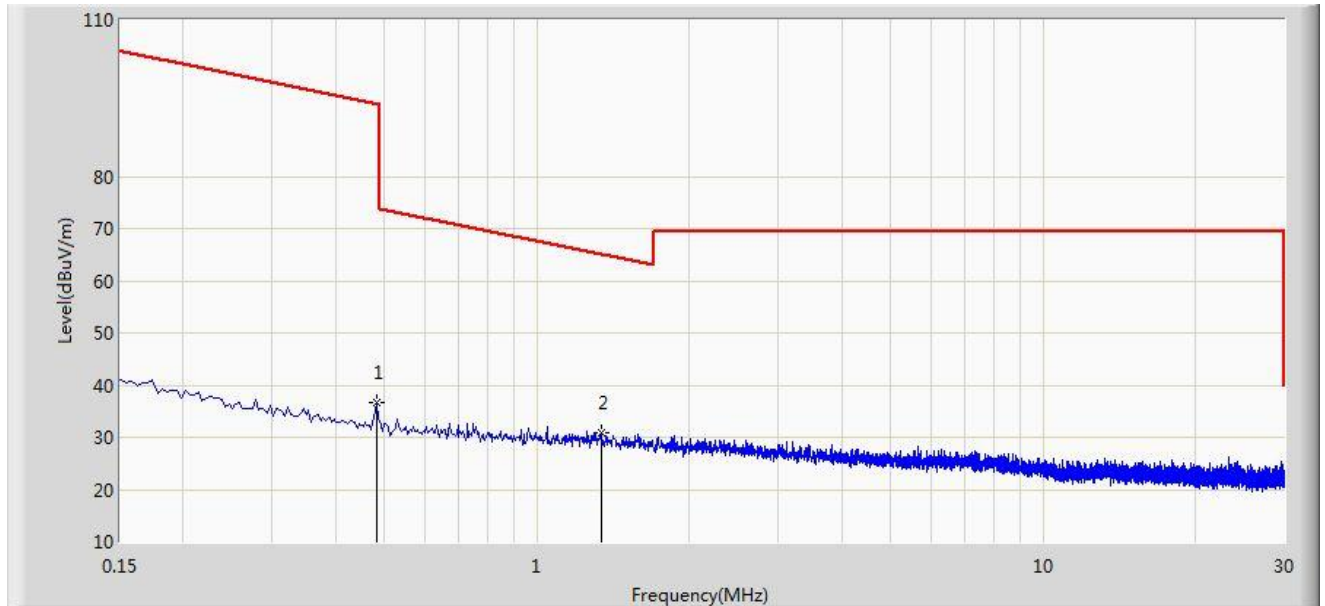


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.029	56.610	35.660	-61.732	118.342	21.049	QP
2		*	0.061	51.899	31.588	-59.988	111.887	20.311	QP

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2015/05/10 - 18:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.482	36.584	16.183	-57.359	93.943	20.401	QP
2		*	1.338	31.001	10.512	-34.098	65.099	20.489	QP

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2015/05/10 - 20:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 18GHz~40GHz.	

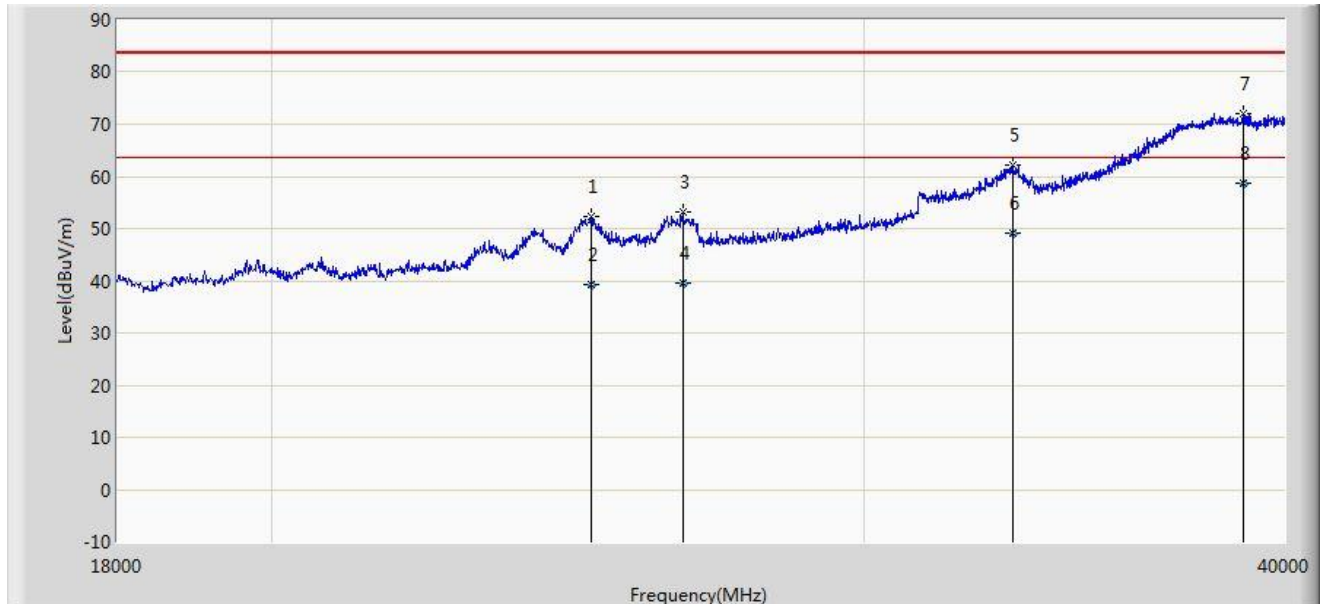


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			24864.000	51.836	37.061	-31.664	83.500	14.775	PK
2			24864.088	39.225	24.450	-24.275	63.500	14.775	AV
3			26260.988	39.469	24.050	-24.031	63.500	15.419	AV
4			26261.000	51.956	36.537	-31.544	83.500	15.419	PK
5			33180.000	61.461	39.940	-22.039	83.500	21.521	PK
6			33180.361	49.061	27.540	-14.439	63.500	21.521	AV
7		*	38437.980	58.523	31.190	-4.977	63.500	27.333	AV
8			38438.000	72.021	44.688	-11.479	83.500	27.333	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

Site: AC1	Time: 2015/05/10 - 20:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 18GHz~40GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			24886.000	52.313	37.528	-31.187	83.500	14.785	PK
2			24886.970	39.234	24.449	-24.266	63.500	14.785	AV
3			26503.000	53.227	37.207	-30.273	83.500	16.020	PK
4			26503.872	39.572	23.550	-23.928	63.500	16.022	AV
5			33213.000	62.110	40.572	-21.390	83.500	21.538	PK
6			33213.984	49.098	27.560	-14.402	63.500	21.538	AV
7			38900.000	72.096	44.211	-11.404	83.500	27.885	PK
8		*	38900.755	58.705	30.820	-4.795	63.500	27.885	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

7.9. Radiated Restricted Band Edge Measurement

7.9.1. Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)

For 15.407(b) requirement:

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

Note: Refer to KDB 789033 D02v01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

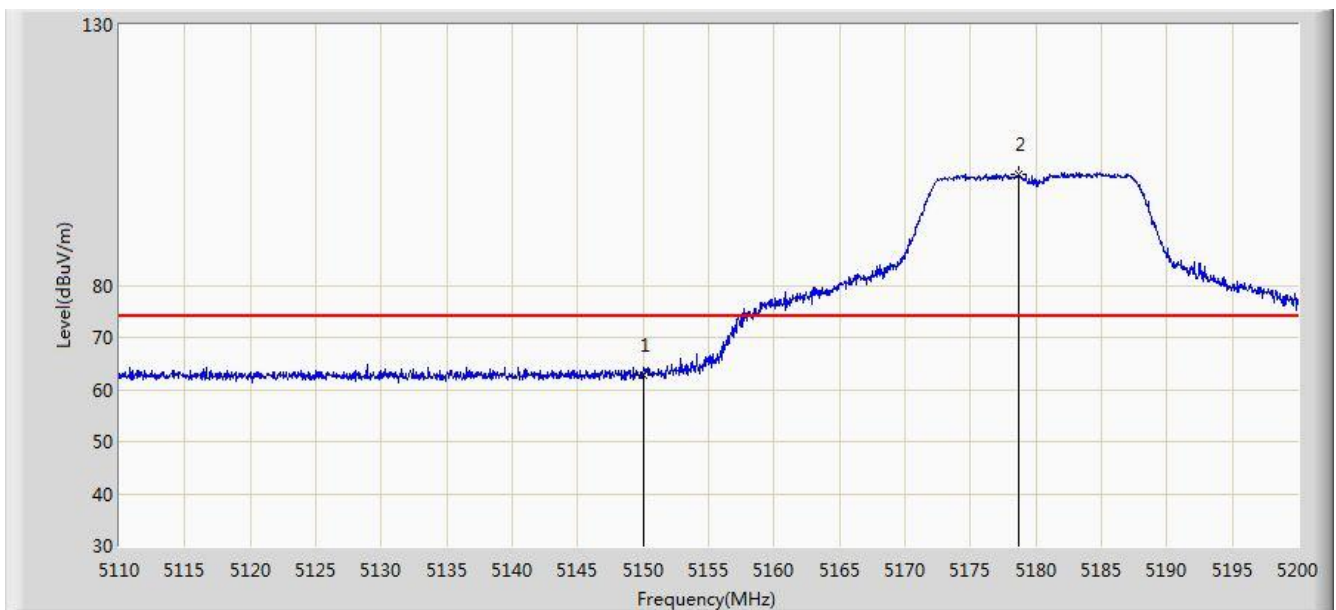
All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [V/m]	Measured Distance [Meters]
0.009 – 0.490	2400/F (kHz)	300
0.490 – 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.9.2. Test Result of Radiated Restricted Band Edge

Dipole Antenna 1#

Site: AC1	Time: 2015/04/24 - 02:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5180MHz by 802.11a 1TX	

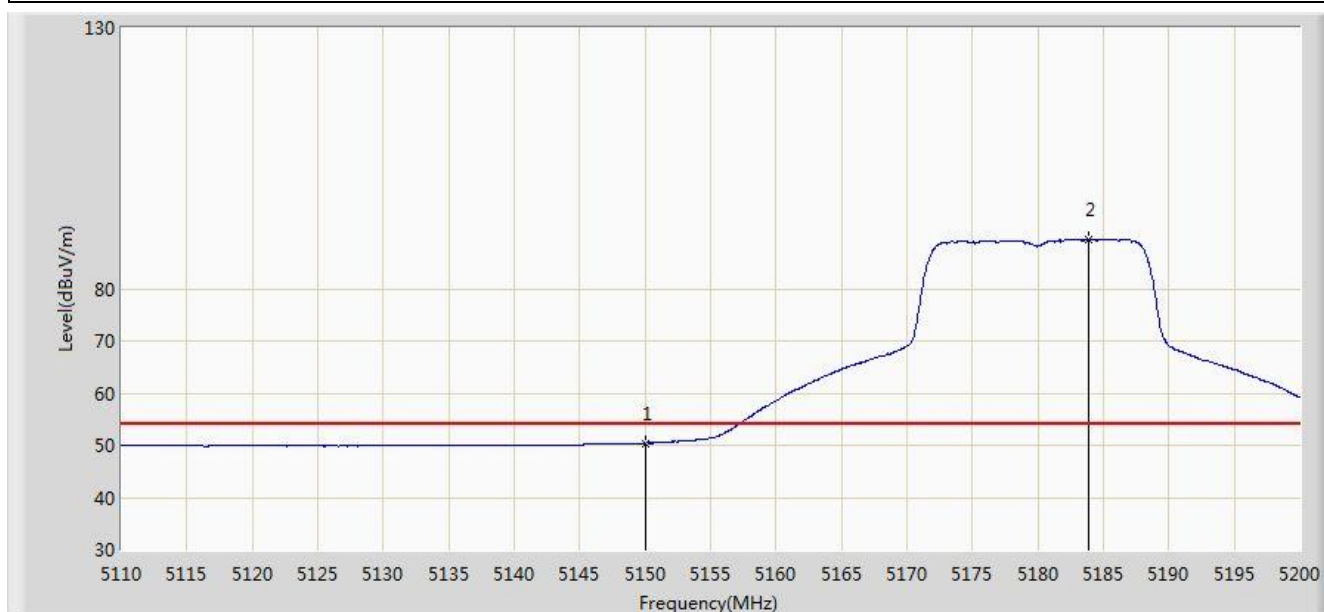


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	62.801	25.349	-11.199	74.000	37.452	PK
2		*	5178.670	101.305	63.928	N/A	N/A	37.377	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/24 - 02:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5180MHz by 802.11a 1TX	

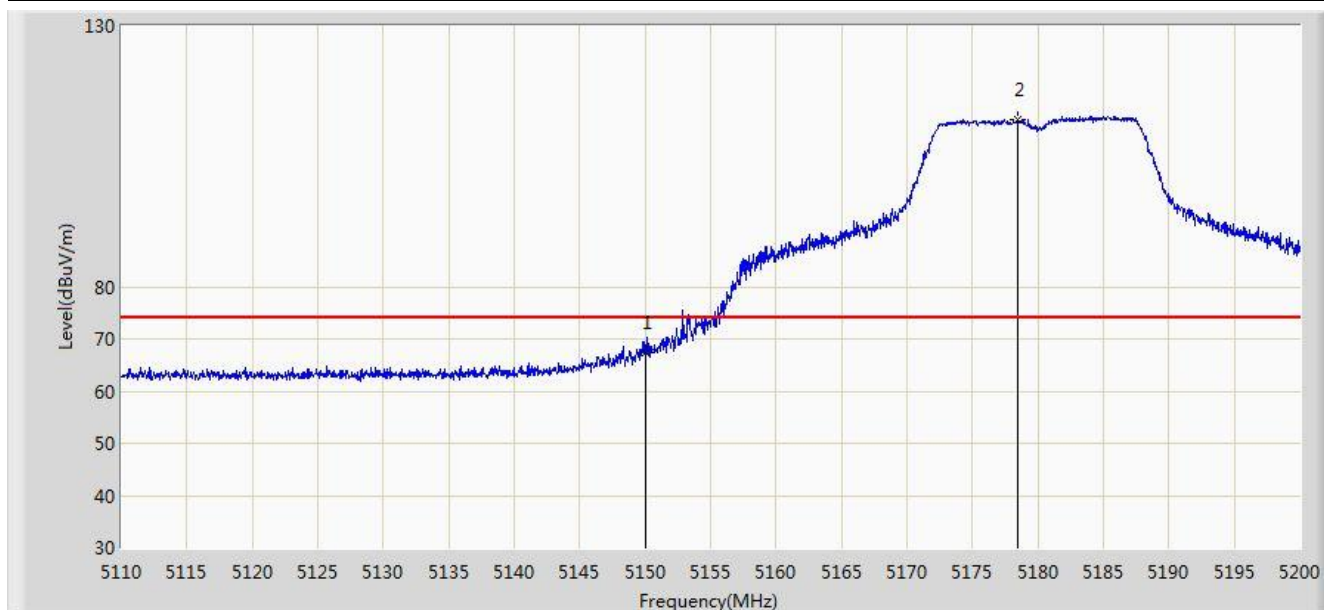


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.424	12.972	-3.576	54.000	37.452	AV
2		*	5183.890	89.475	52.111	N/A	N/A	37.365	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/24 - 02:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5180MHz by 802.11a 1TX	

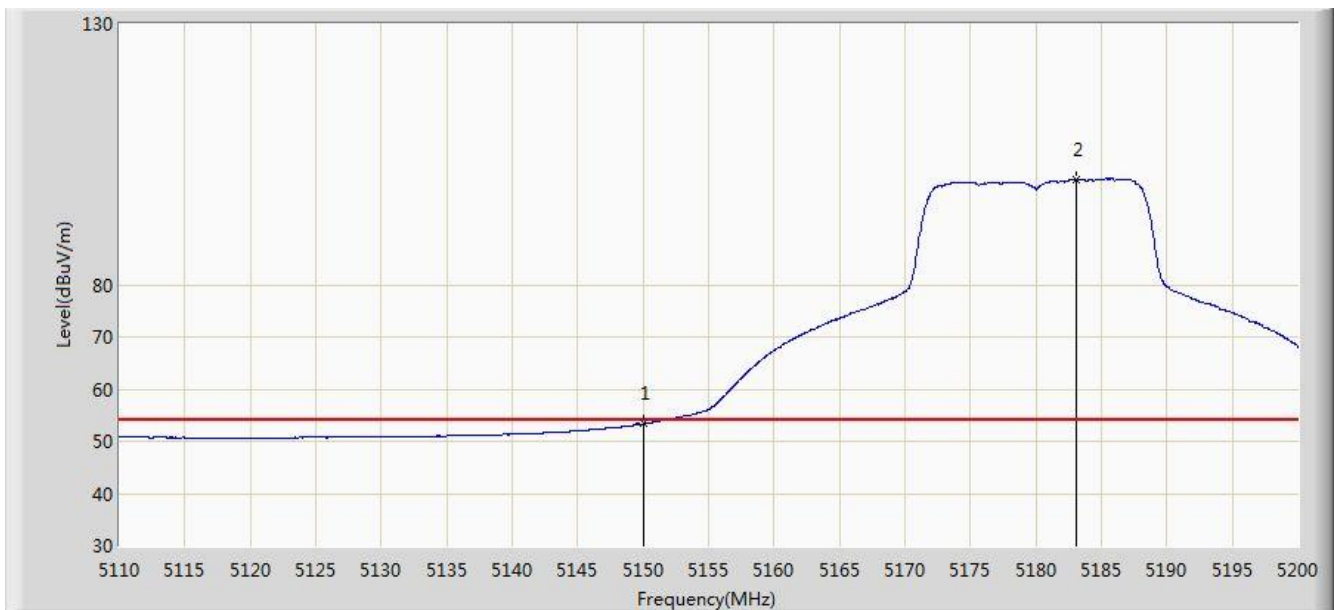


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	67.448	29.996	-6.552	74.000	37.452	PK
2		*	5178.445	111.906	74.529	N/A	N/A	37.377	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/24 - 02:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5180MHz by 802.11a 1TX	

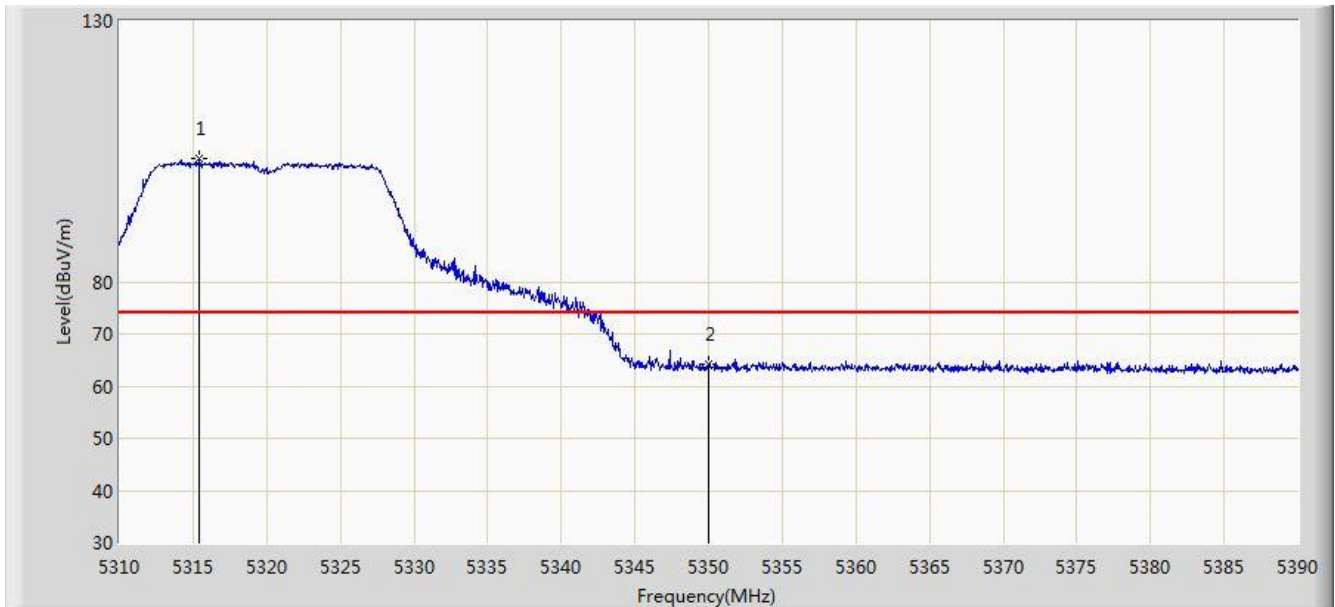


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.336	15.884	-0.664	54.000	37.452	AV
2		*	5183.035	100.089	62.722	N/A	N/A	37.367	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/24 - 03:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5320MHz by 802.11a 1TX	

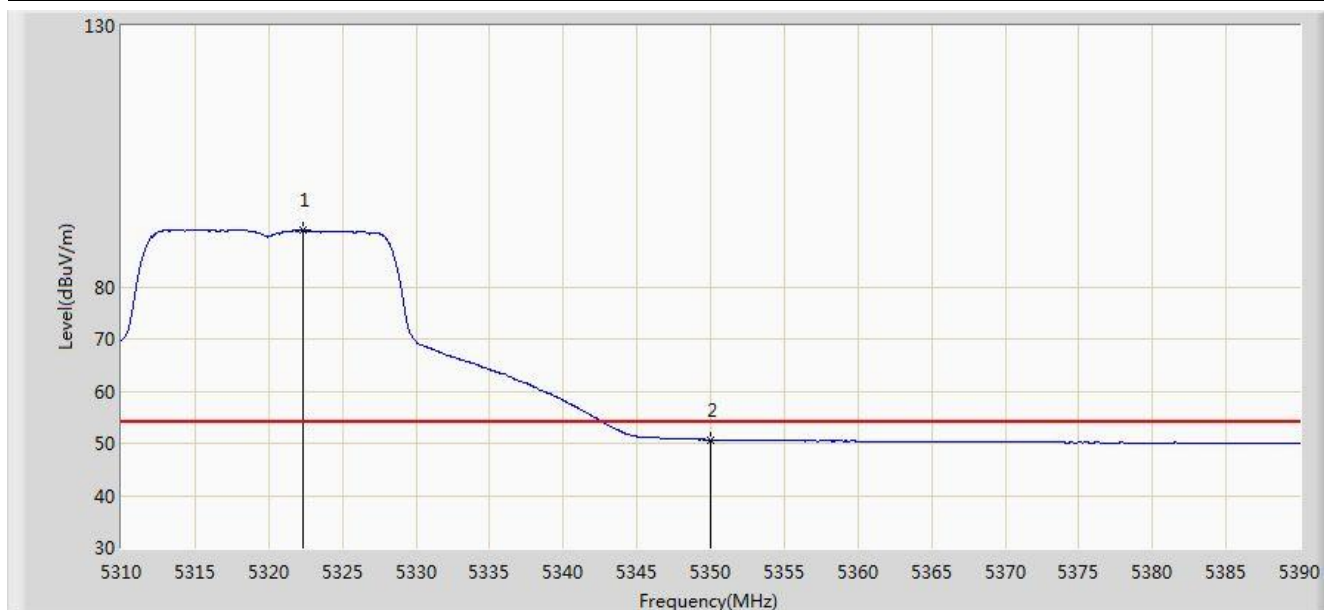


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5315.450	103.647	66.442	N/A	N/A	37.206	PK
2			5350.000	64.256	26.970	-9.744	74.000	37.286	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/24 - 03:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5320MHz by 802.11a 1TX	

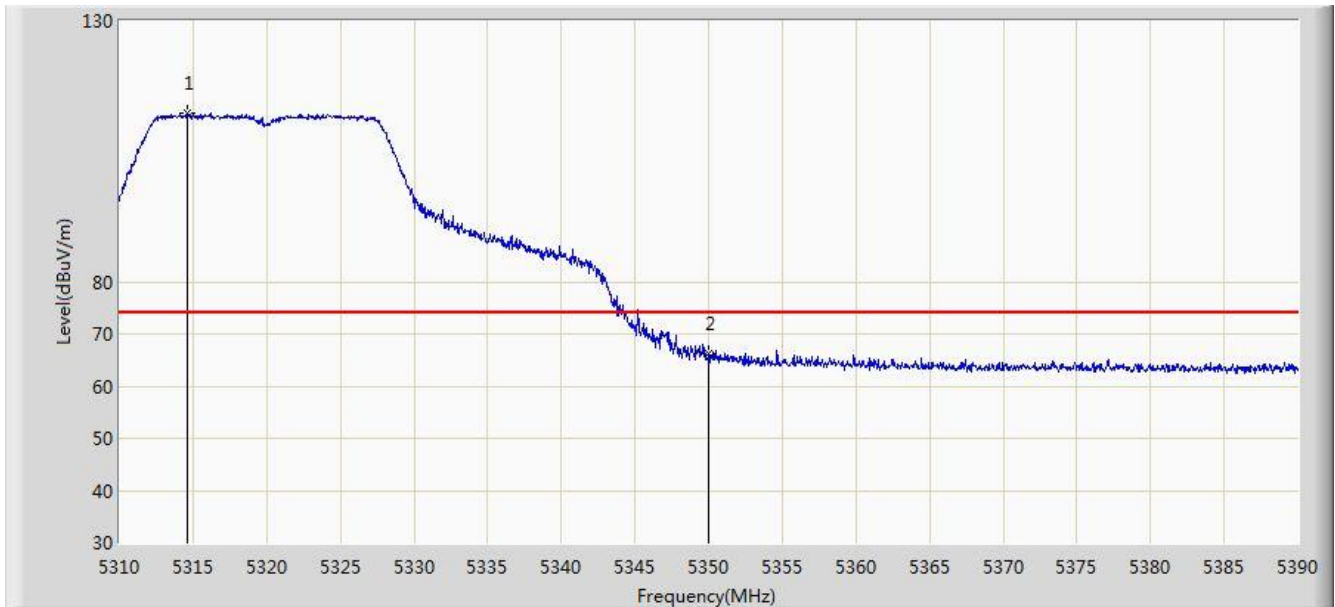


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.300	90.740	53.522	N/A	N/A	37.218	AV
2			5350.000	50.721	13.435	-3.279	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/24 - 03:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5320MHz by 802.11a 1TX	

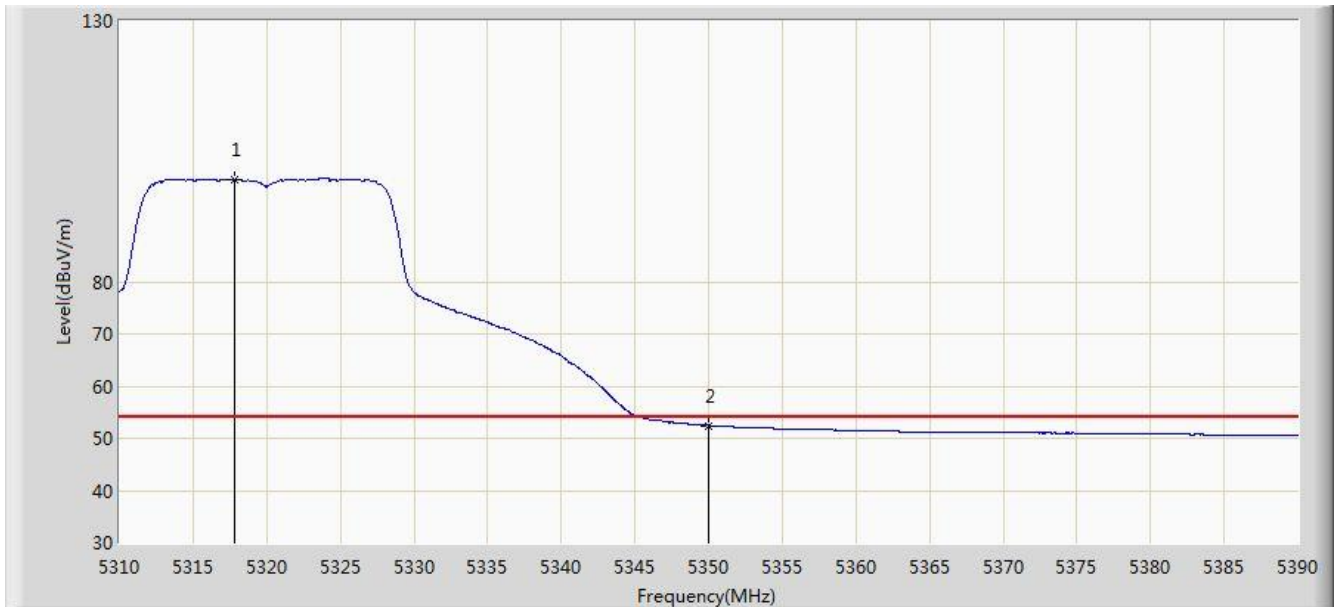


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5314.650	112.243	75.039	N/A	N/A	37.204	PK
2			5350.000	66.316	29.030	-7.684	74.000	37.286	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/24 - 02:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5320MHz by 802.11a 1TX	

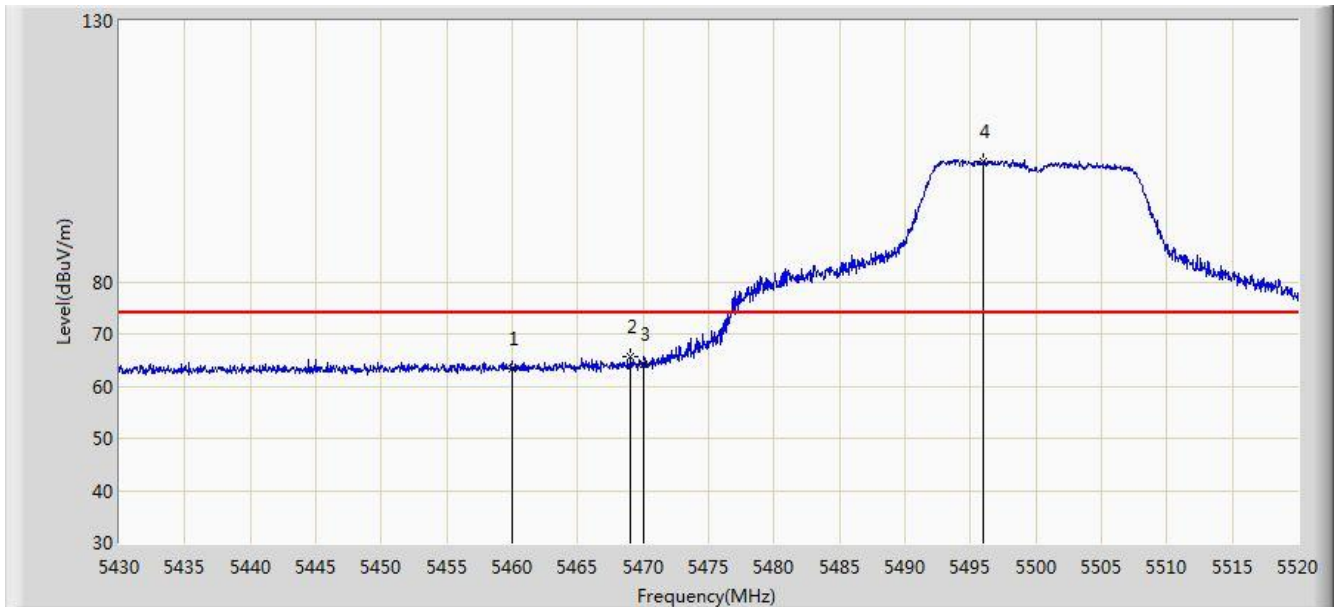


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5317.800	99.546	62.336	N/A	N/A	37.210	AV
2			5350.000	52.450	15.164	-1.550	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/24 - 03:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5500MHz by 802.11a 1TX	

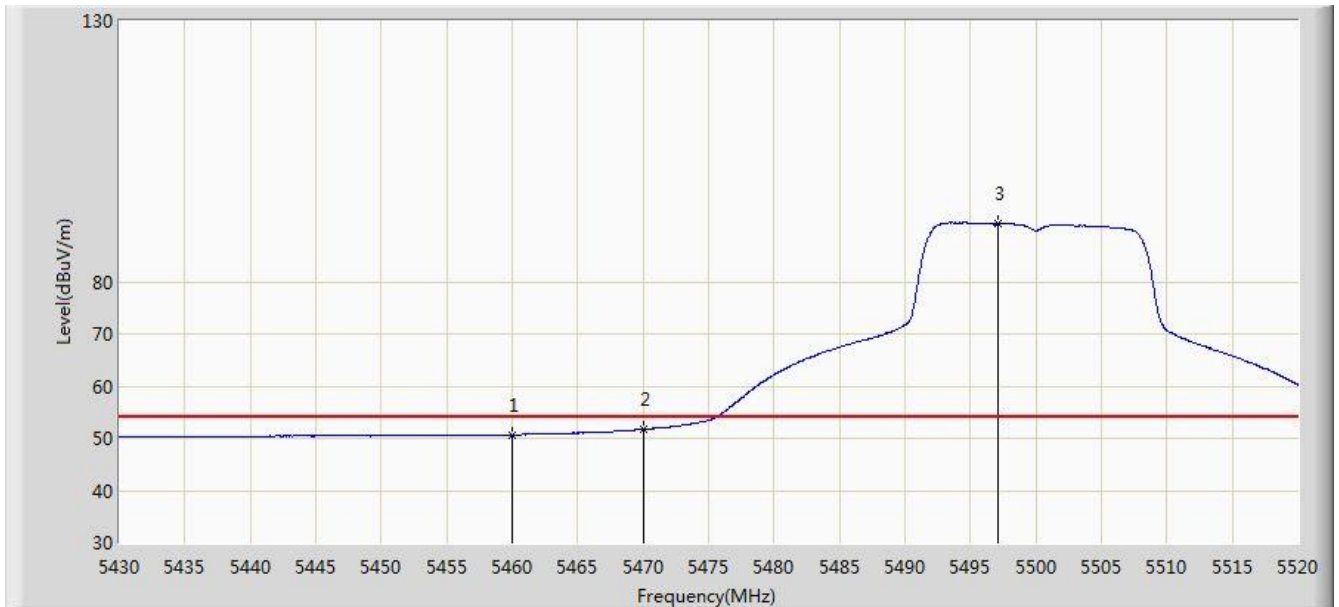


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	63.401	25.838	-10.599	74.000	37.563	PK
2			5469.060	65.720	28.134	-8.280	74.000	37.586	PK
3			5470.000	64.315	26.726	-9.685	74.000	37.588	PK
4		*	5495.970	103.180	65.560	N/A	N/A	37.620	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/24 - 03:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5500MHz by 802.11a 1TX	

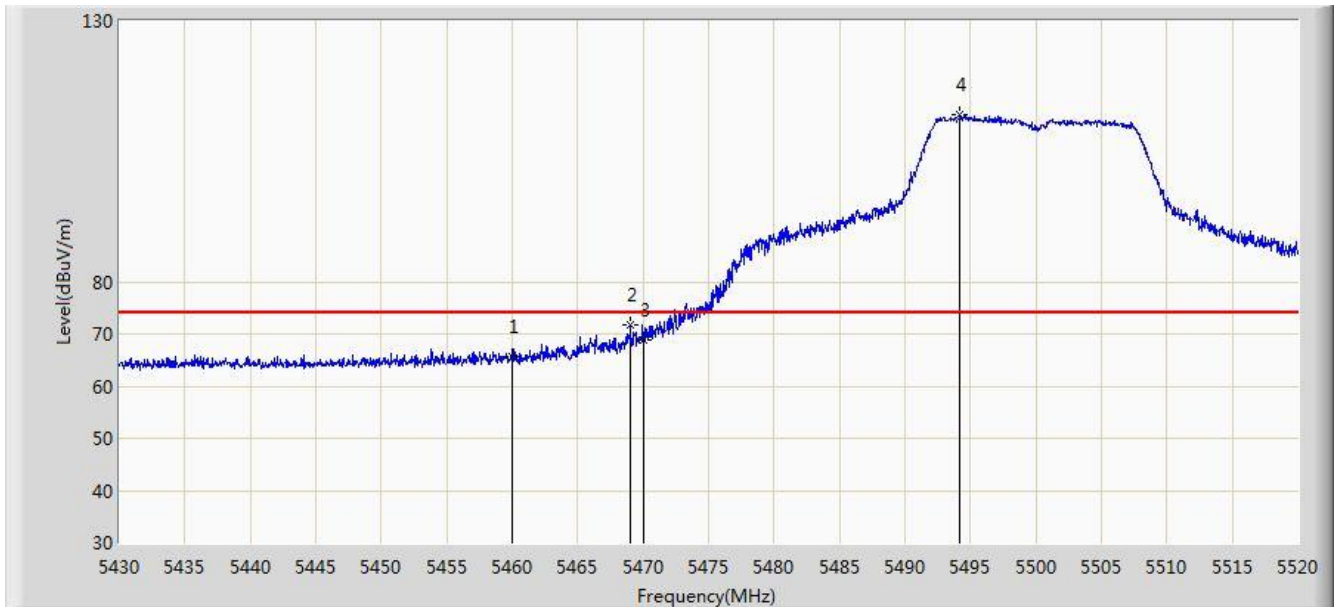


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.682	13.119	-3.318	54.000	37.563	AV
2			5470.000	51.715	14.126	-2.285	54.000	37.588	AV
3		*	5497.140	91.106	53.485	N/A	N/A	37.622	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/24 - 03:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5500MHz by 802.11a 1TX	

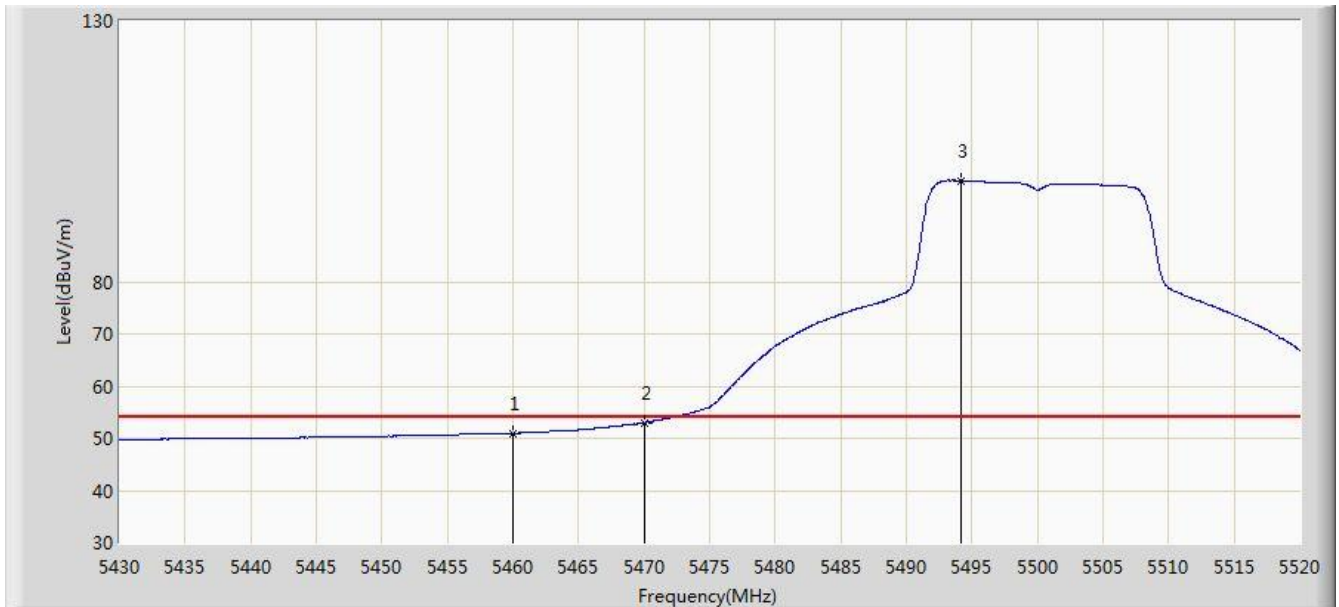


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	65.653	28.090	-8.347	74.000	37.563	PK
2			5469.015	71.873	34.287	-2.127	74.000	37.586	PK
3			5470.000	68.820	31.231	-5.180	74.000	37.588	PK
4		*	5494.170	112.007	74.389	N/A	N/A	37.618	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/24 - 03:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5500MHz by 802.11a 1TX	

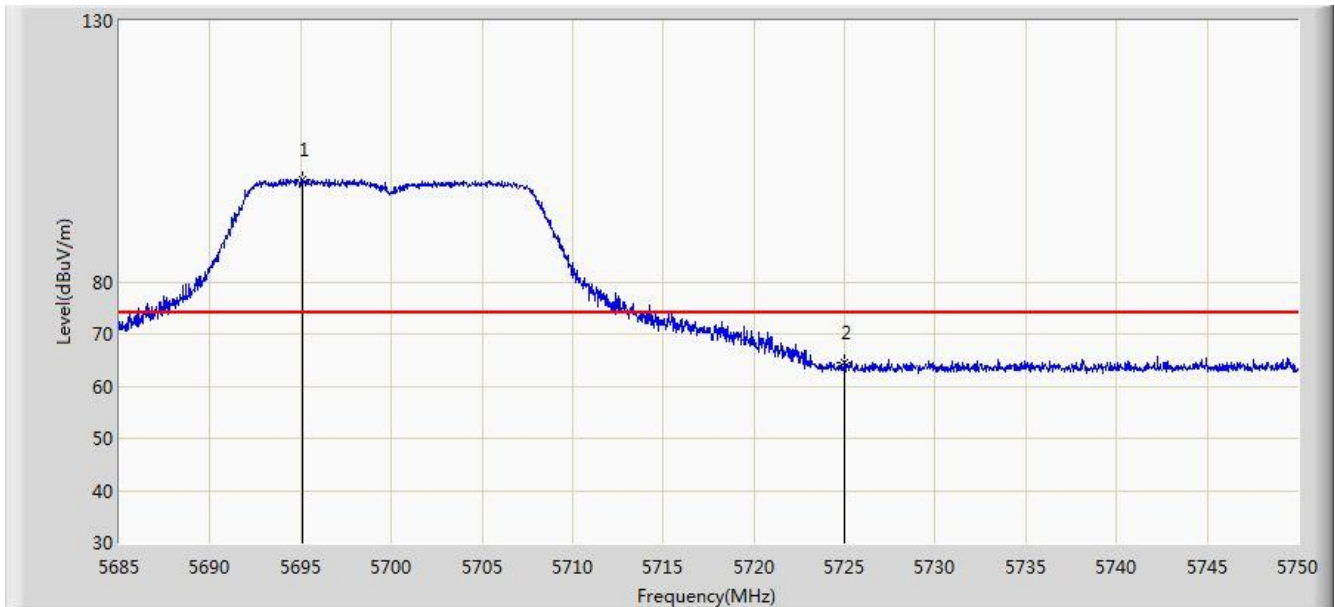


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.975	13.412	-3.025	54.000	37.563	AV
2			5470.000	52.977	15.389	-1.023	54.000	37.588	AV
3		*	5494.215	99.412	61.794	N/A	N/A	37.618	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/24 - 03:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5700MHz by 802.11a 1TX	

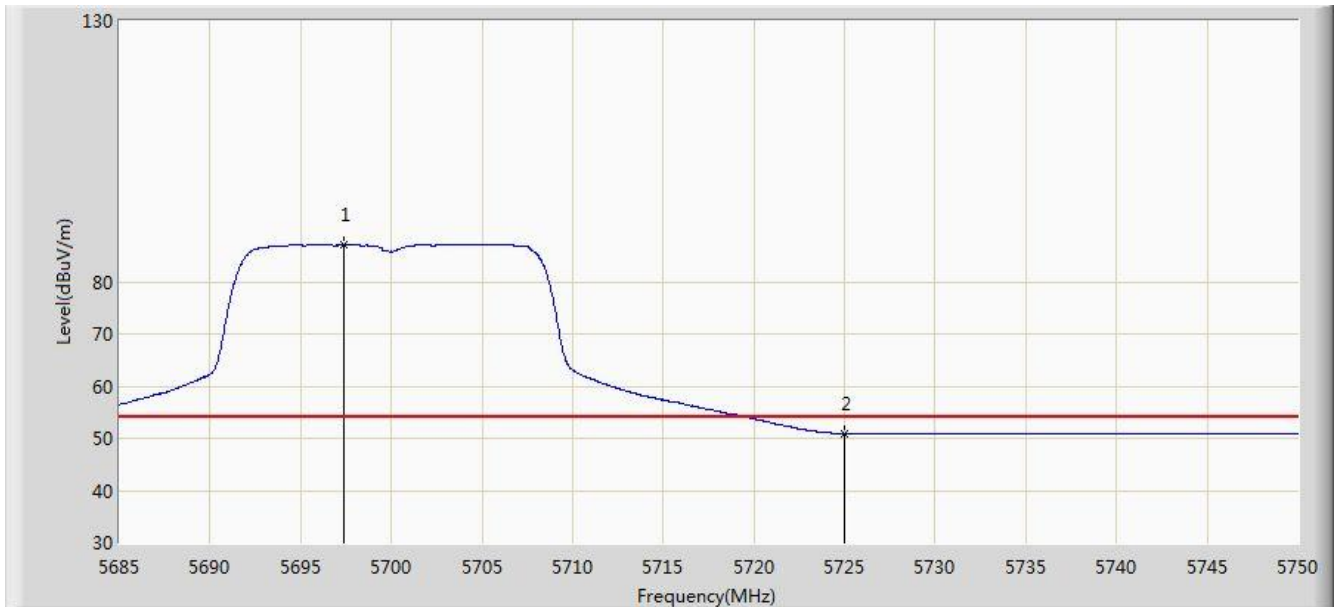


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5695.075	99.462	61.582	N/A	N/A	37.880	PK
2			5725.000	64.577	26.587	-9.423	74.000	37.990	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/24 - 03:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5700MHz by 802.11a 1TX	

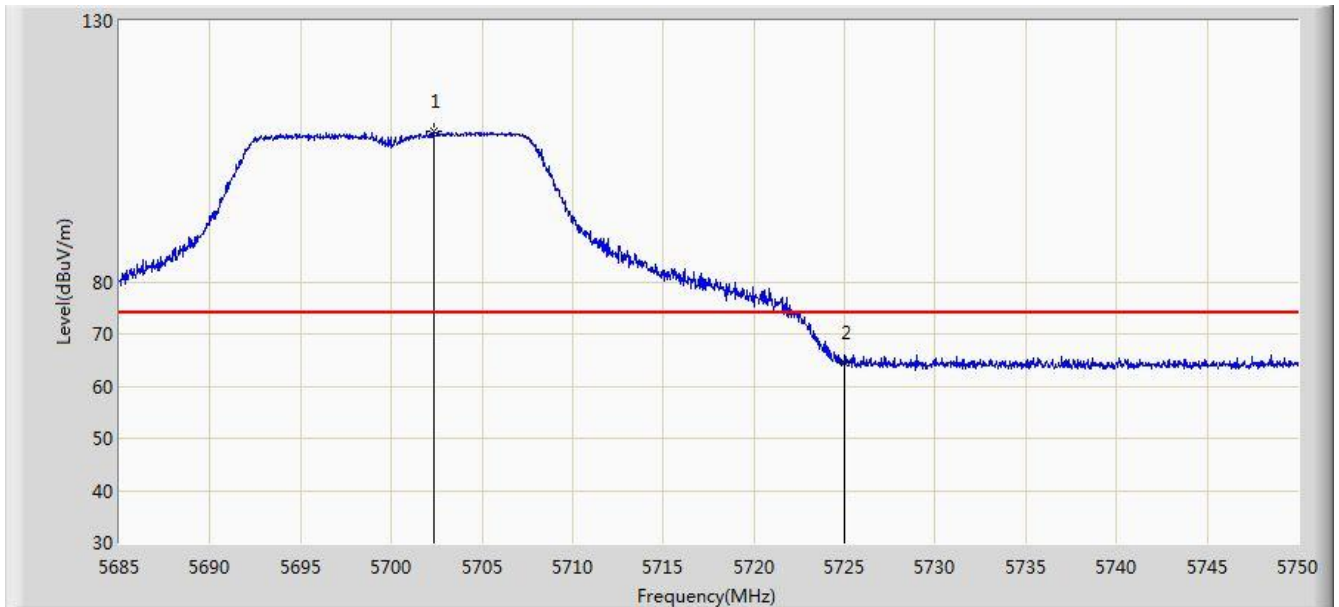


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5697.415	86.989	49.103	N/A	N/A	37.886	AV
2			5725.000	50.924	12.934	-3.076	54.000	37.990	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/24 - 03:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5700MHz by 802.11a 1TX	

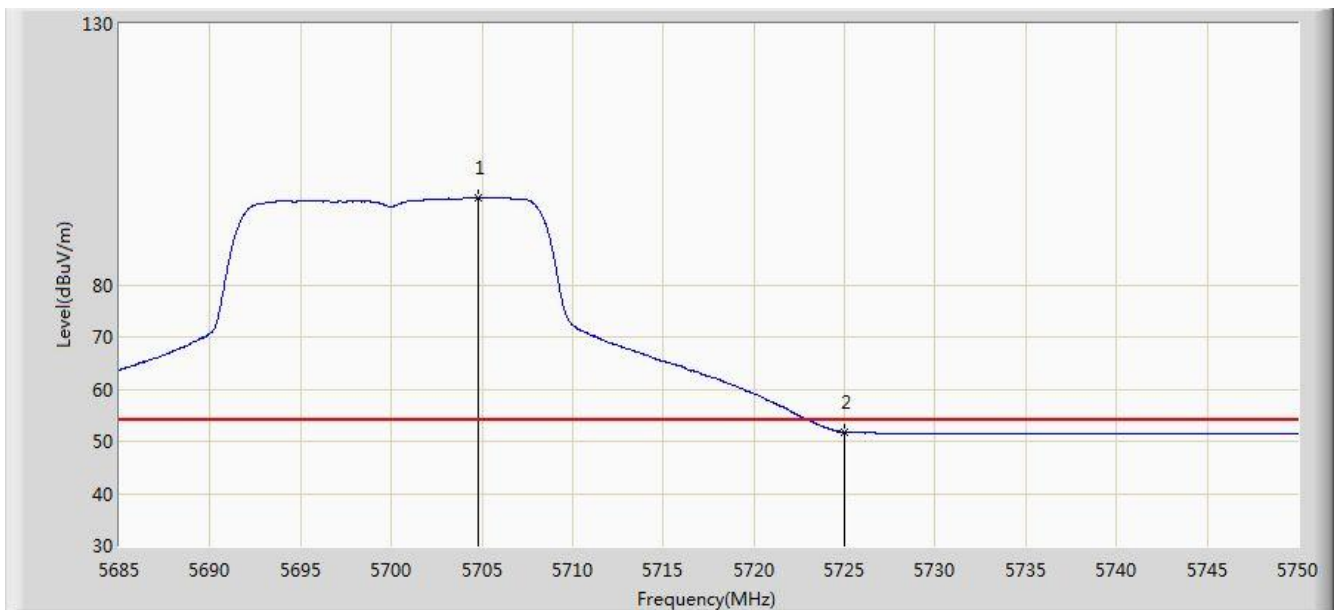


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5702.322	108.882	70.984	N/A	N/A	37.898	PK
2			5725.000	64.513	26.523	-9.487	74.000	37.990	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/24 - 03:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5700MHz by 802.11a 1TX	

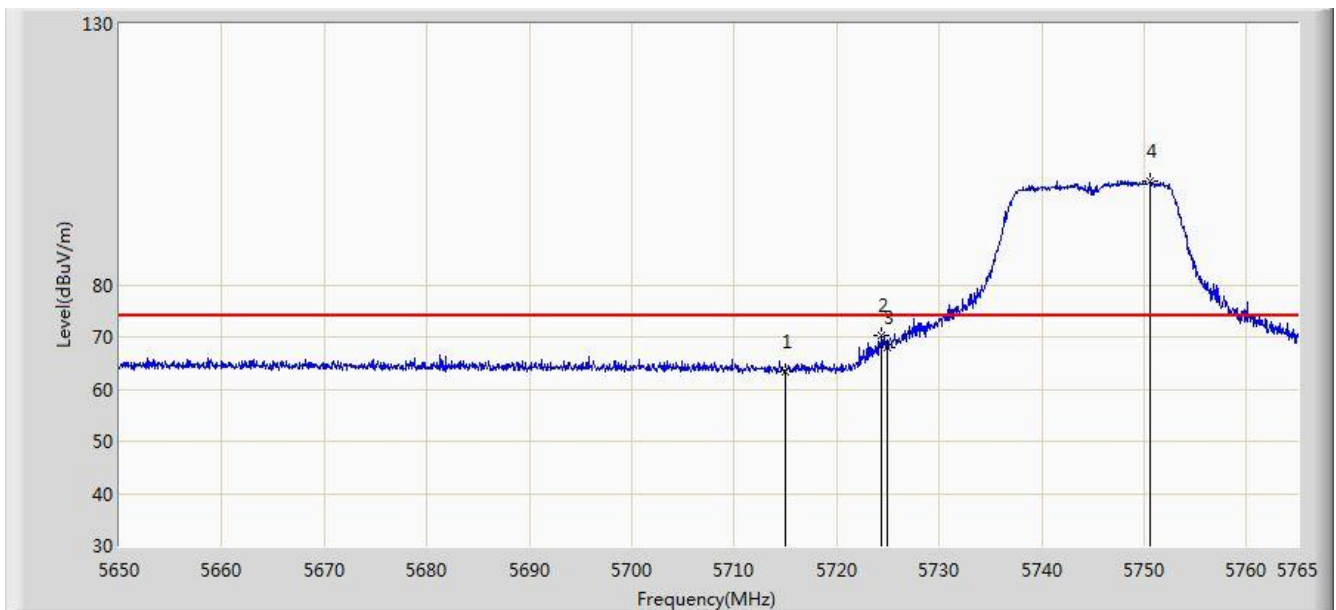


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5704.825	96.619	58.712	N/A	N/A	37.907	AV
2			5725.000	51.791	13.801	-2.209	54.000	37.990	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 01:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5745MHz by 802.11a 1TX	

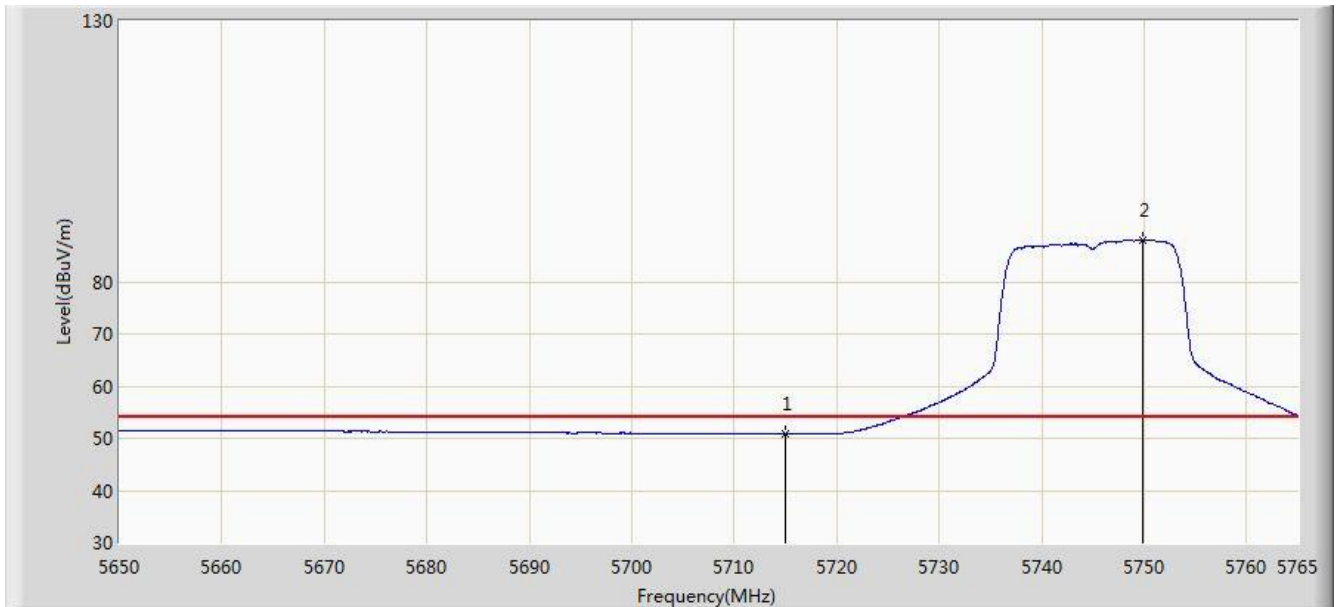


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	63.453	25.504	-10.547	74.000	37.949	PK
2			5724.405	70.287	32.300	-7.913	78.200	37.988	PK
3			5725.000	68.097	30.107	-10.103	78.200	37.990	PK
4		*	5750.625	99.759	61.660	N/A	N/A	38.098	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 01:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5745MHz by 802.11a 1TX	

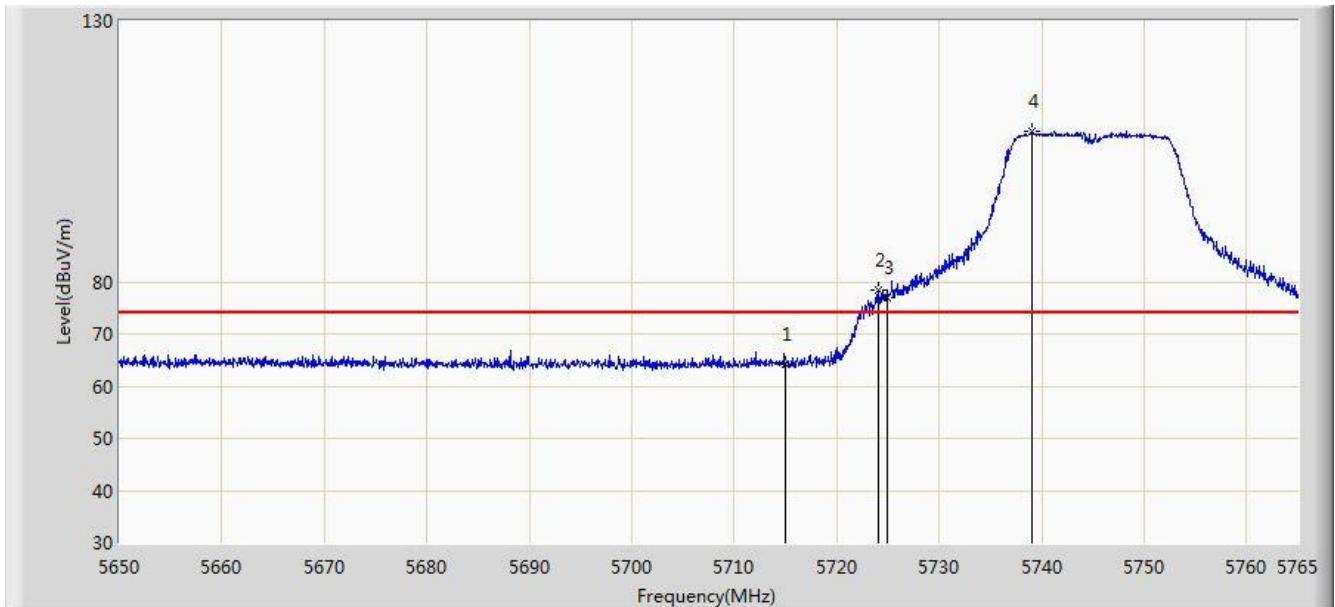


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	50.857	12.908	-3.143	54.000	37.949	AV
2		*	5749.935	87.963	49.868	N/A	N/A	38.095	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 01:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5745MHz by 802.11a 1TX	

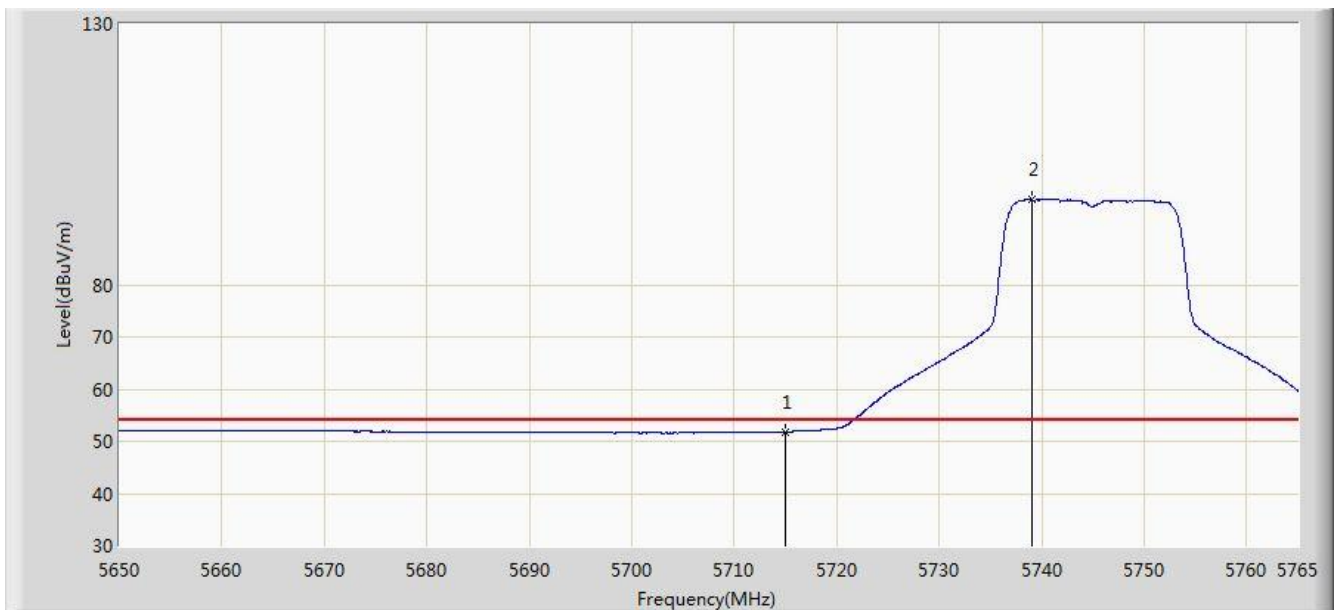


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	64.313	26.364	-9.687	74.000	37.949	PK
2			5724.002	78.041	40.055	-0.159	78.200	37.986	PK
3			5725.000	77.068	39.078	-1.132	78.200	37.990	PK
4		*	5739.010	108.767	70.720	N/A	N/A	38.047	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 01:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5745MHz by 802.11a 1TX	

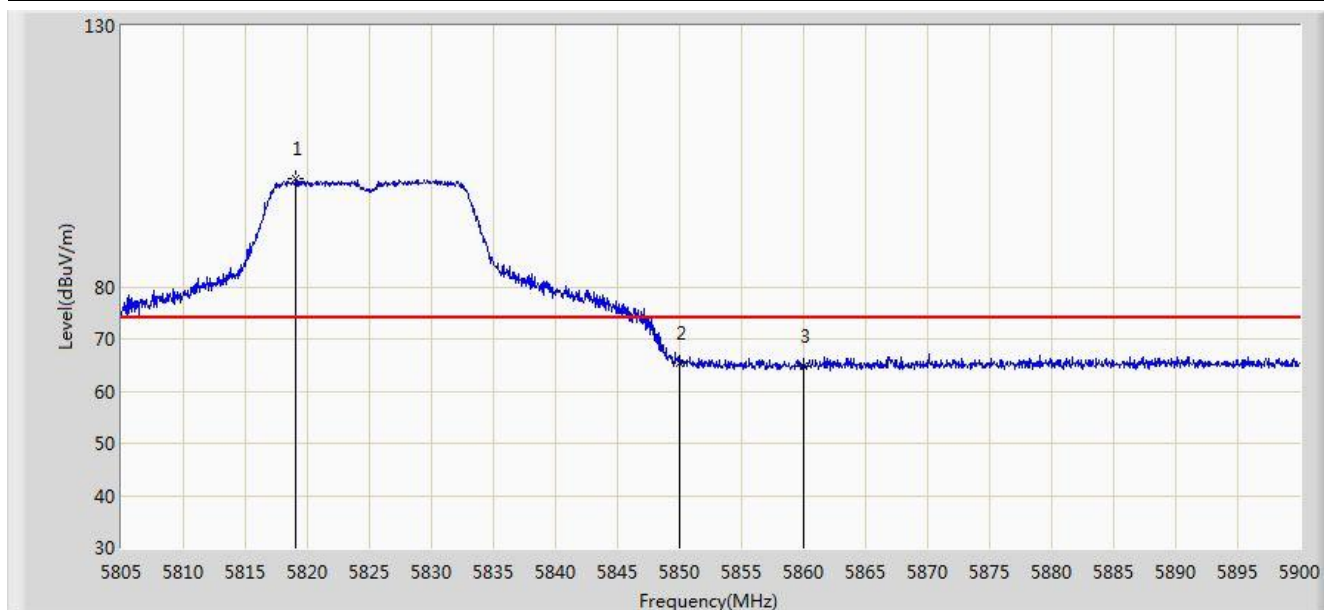


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.861	13.912	-2.139	54.000	37.949	AV
2		*	5739.010	96.343	58.296	N/A	N/A	38.047	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 01:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5825MHz by 802.11a 1TX	

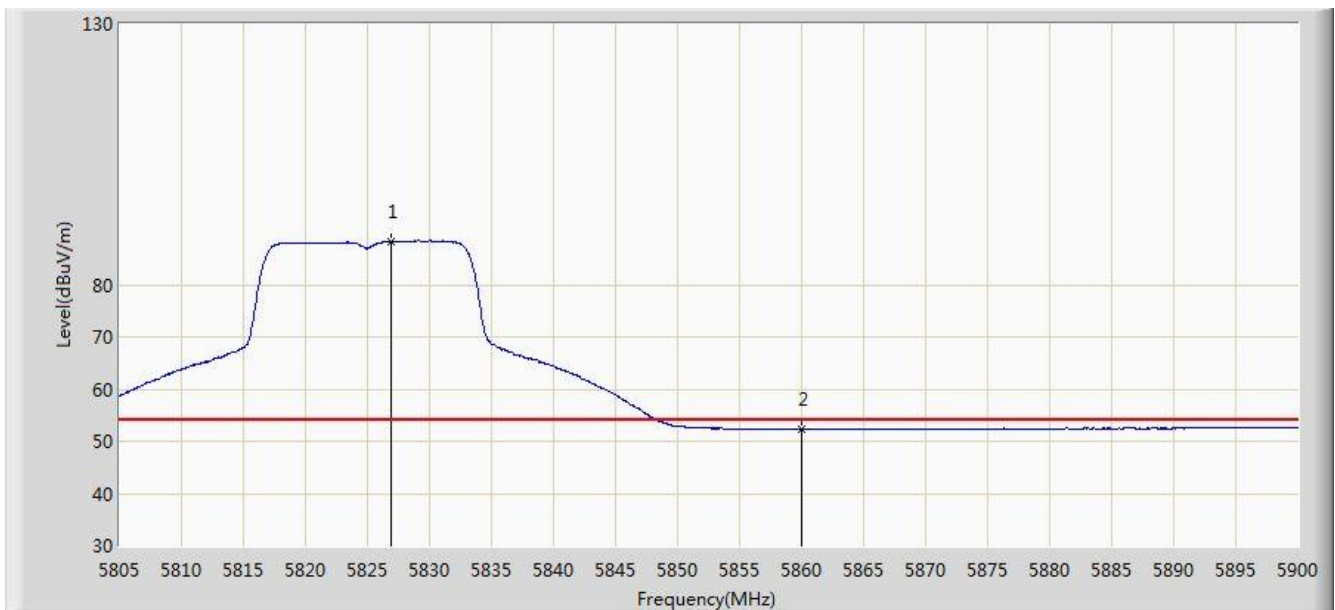


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.060	100.631	62.300	N/A	N/A	38.331	PK
2			5850.000	65.334	26.881	-12.866	78.200	38.454	PK
3			5860.000	64.823	26.345	-9.177	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 01:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5825MHz by 802.11a 1TX	

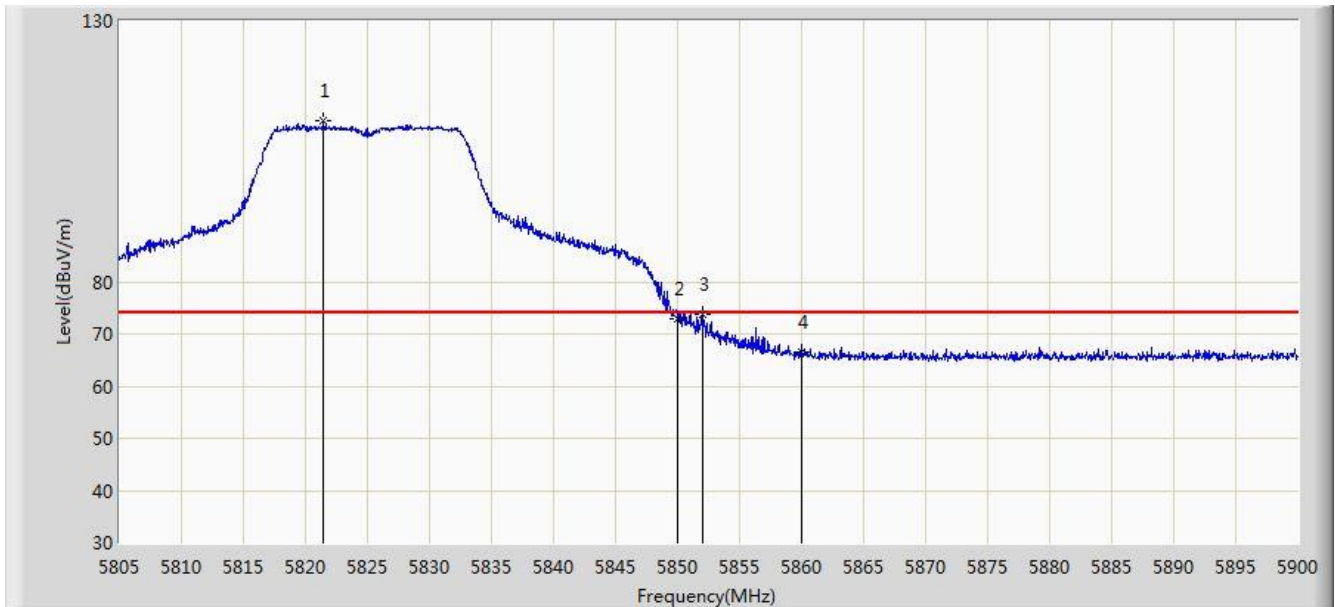


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.945	88.280	49.916	N/A	N/A	38.363	AV
2			5860.000	52.313	13.835	-1.687	54.000	38.478	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 01:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5825MHz by 802.11a 1TX	

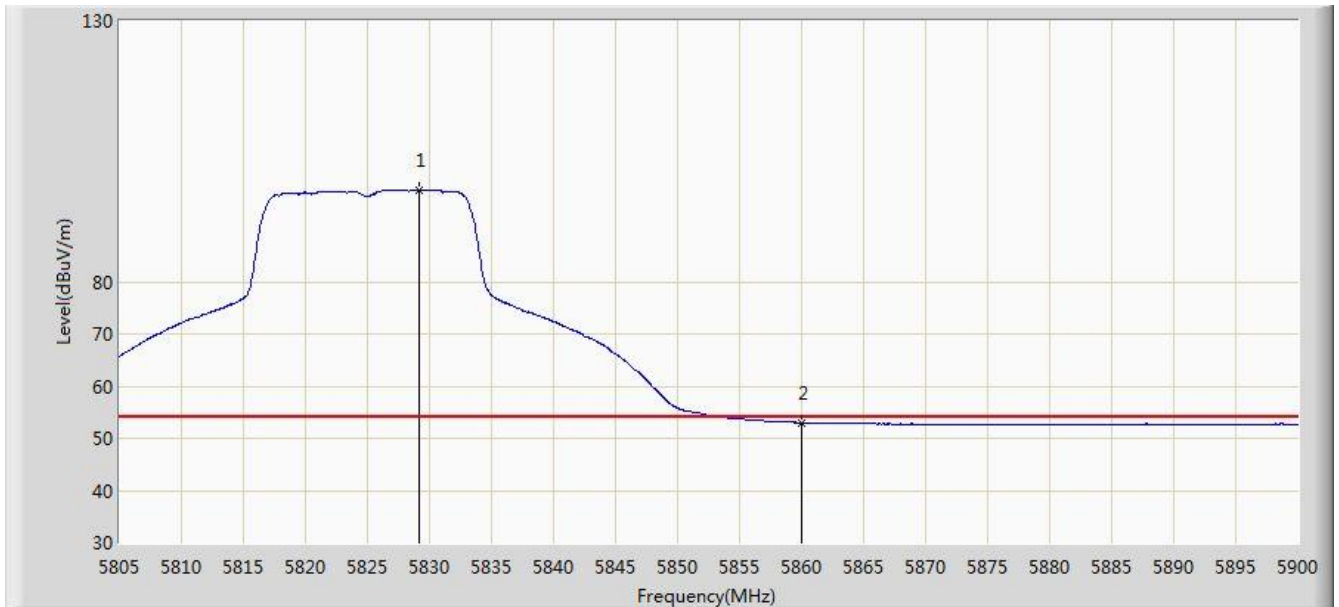


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.482	110.812	72.471	N/A	N/A	38.341	PK
2			5850.000	73.035	34.582	-5.165	78.200	38.454	PK
3			5852.025	73.799	35.341	-4.401	78.200	38.458	PK
4			5860.000	66.572	28.094	-7.428	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 01:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Andy Zhu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5825MHz by 802.11a 1TX	

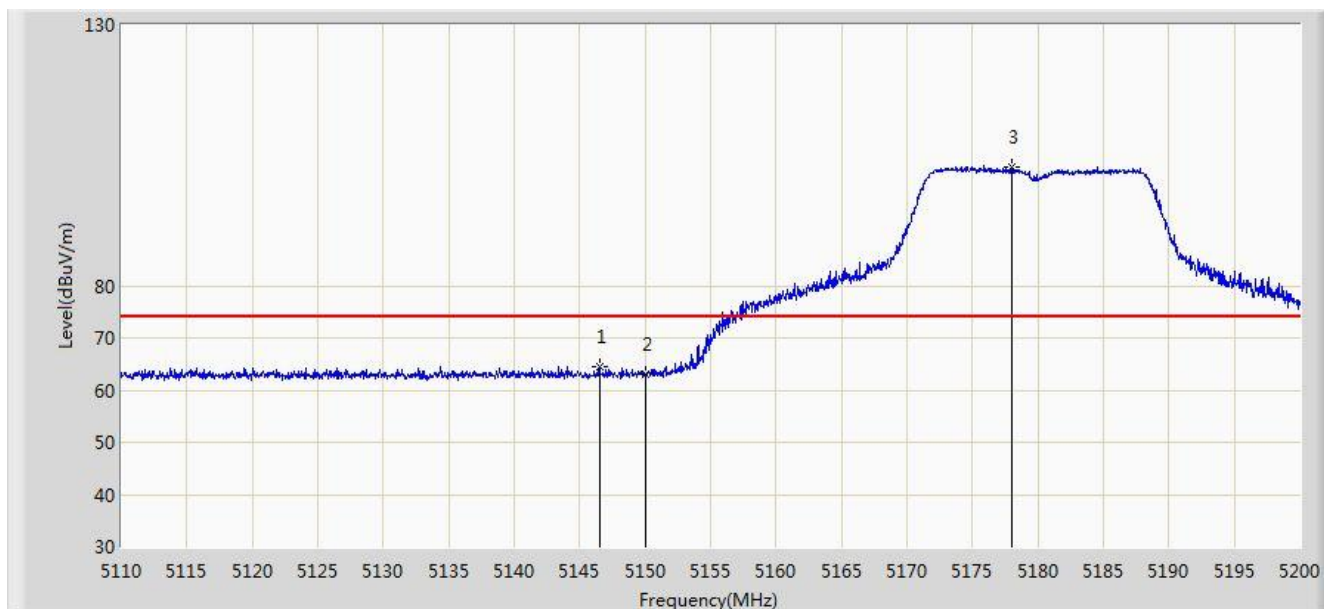


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5829.178	97.605	59.232	N/A	N/A	38.373	AV
2			5860.000	52.982	14.504	-1.018	54.000	38.478	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 00:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5180MHz by 802.11n-HT20 2TX	

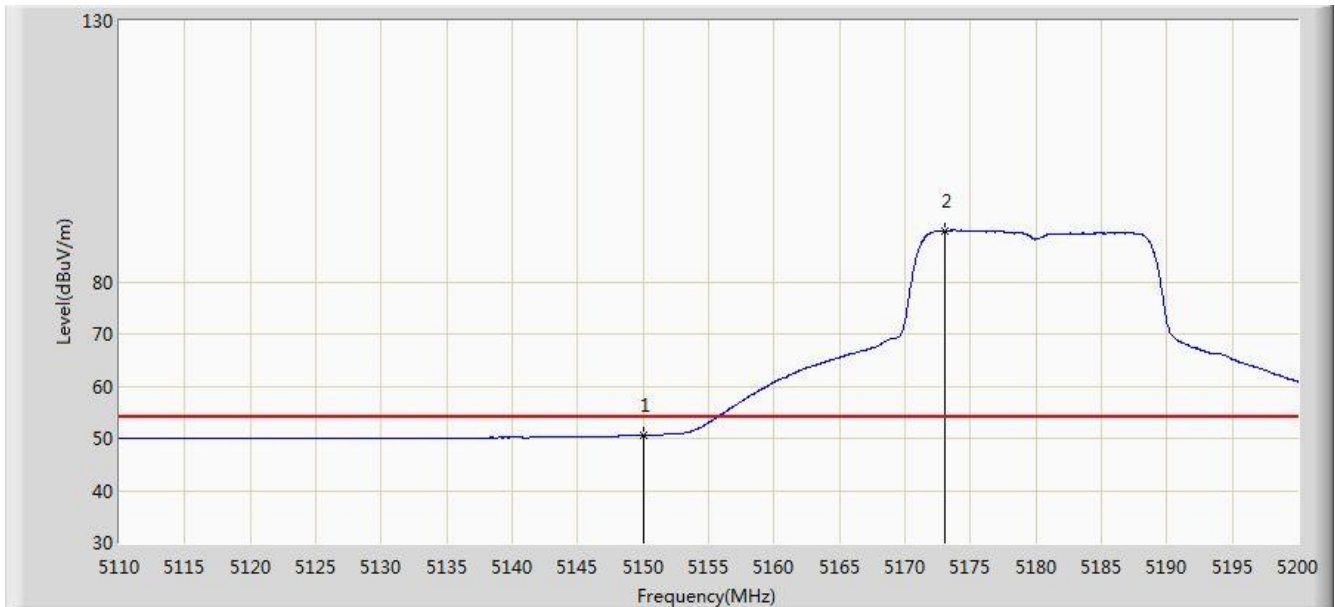


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.495	64.569	27.112	-9.431	74.000	37.457	PK
2			5150.000	63.107	25.655	-10.893	74.000	37.452	PK
3		*	5177.995	102.828	65.450	N/A	N/A	37.378	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 00:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5180MHz by 802.11n-HT20 2TX	

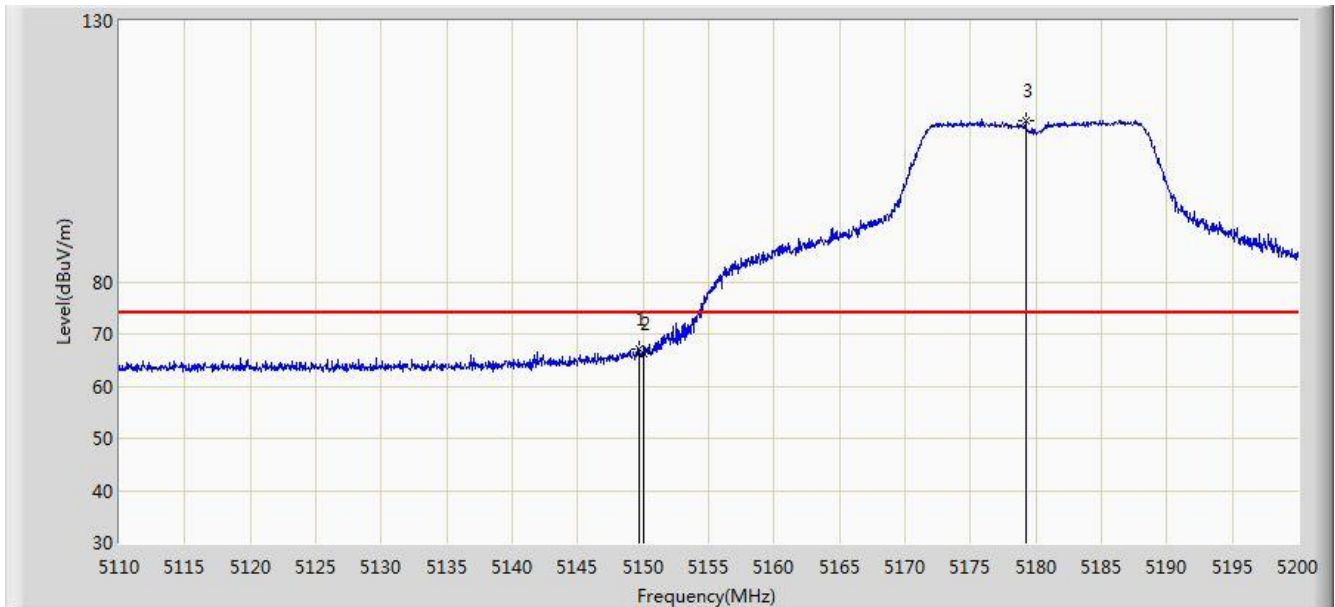


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.563	13.111	-3.437	54.000	37.452	AV
2		*	5173.045	89.828	52.438	N/A	N/A	37.389	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 00:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5180MHz by 802.11n-HT20 2TX	

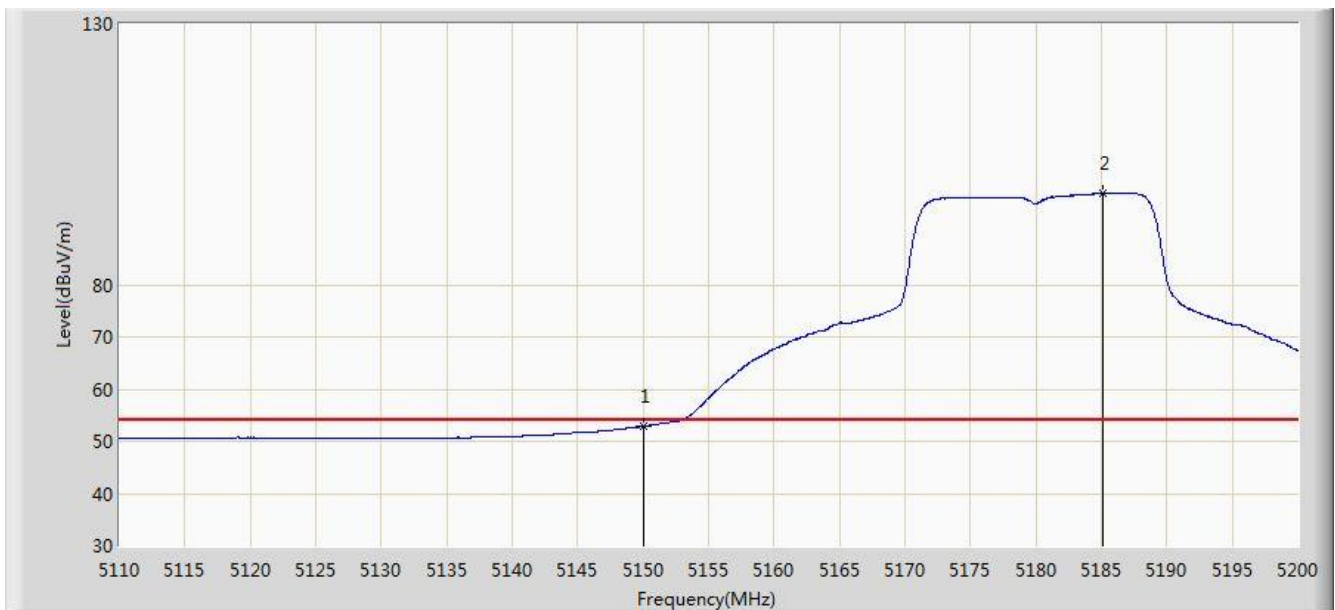


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.690	67.229	29.777	-6.771	74.000	37.452	PK
2			5150.000	66.373	28.921	-7.627	74.000	37.452	PK
3		*	5179.210	110.876	73.500	N/A	N/A	37.376	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 00:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5180MHz by 802.11n-HT20 2TX	

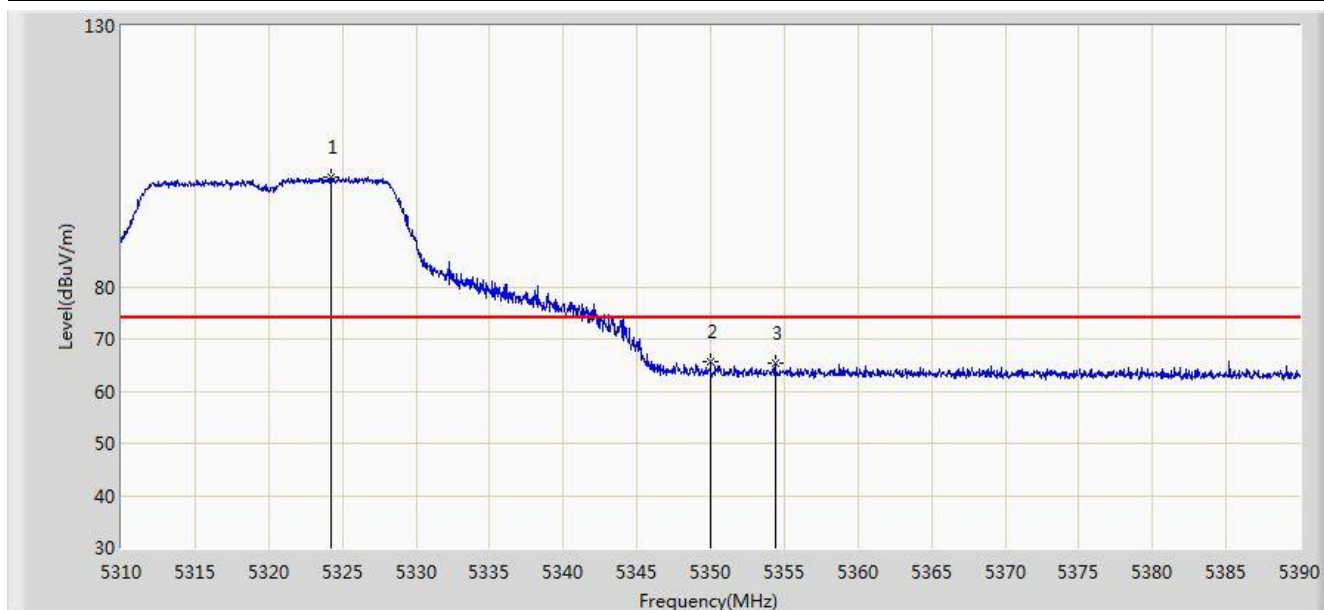


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.825	15.373	-1.175	54.000	37.452	AV
2		*	5185.105	97.550	60.189	N/A	N/A	37.361	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 00:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5320MHz by 802.11n-HT20 2TX	

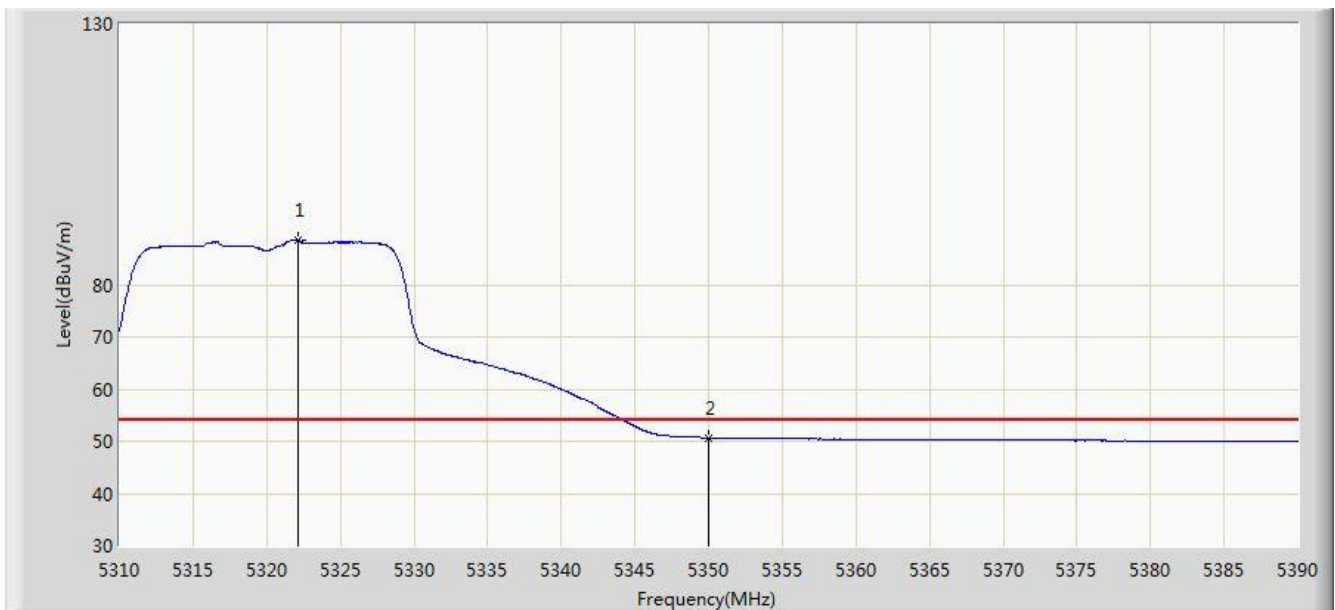


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5324.280	101.050	63.829	N/A	N/A	37.221	PK
2			5350.000	65.715	28.429	-8.285	74.000	37.286	PK
3			5354.400	65.491	28.192	-8.509	74.000	37.299	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 00:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5320MHz by 802.11n-HT20 2TX	

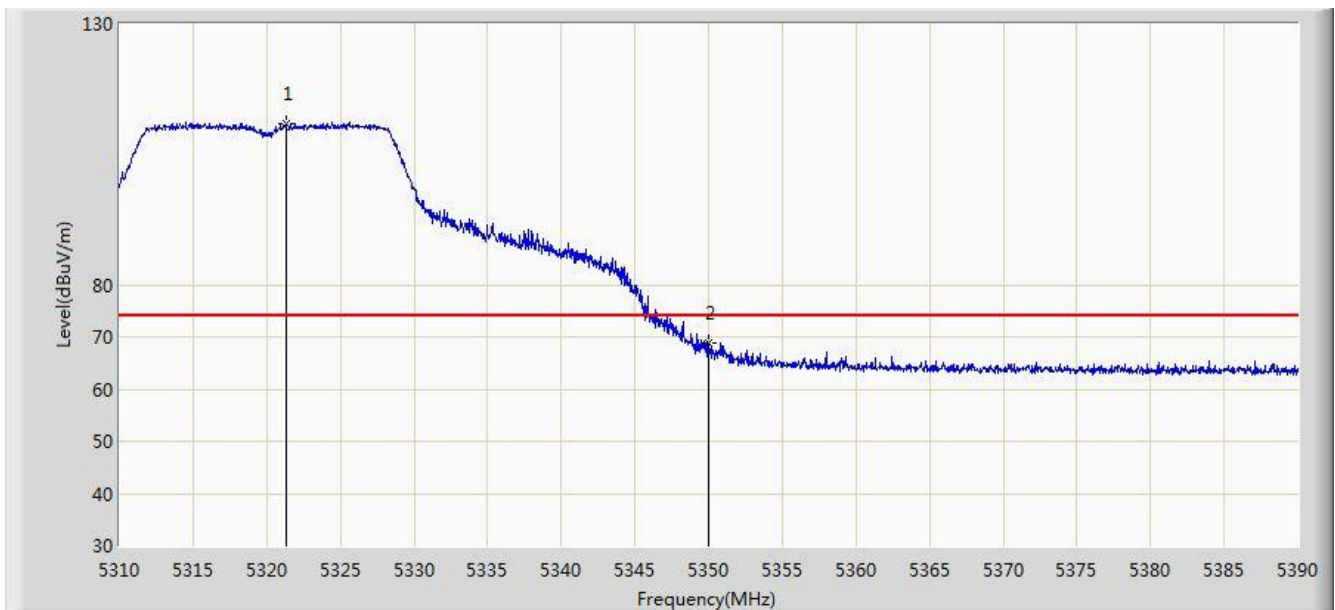


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.160	88.600	51.383	N/A	N/A	37.218	AV
2			5350.000	50.711	13.425	-3.289	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 00:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5320MHz by 802.11n-HT20 2TX	

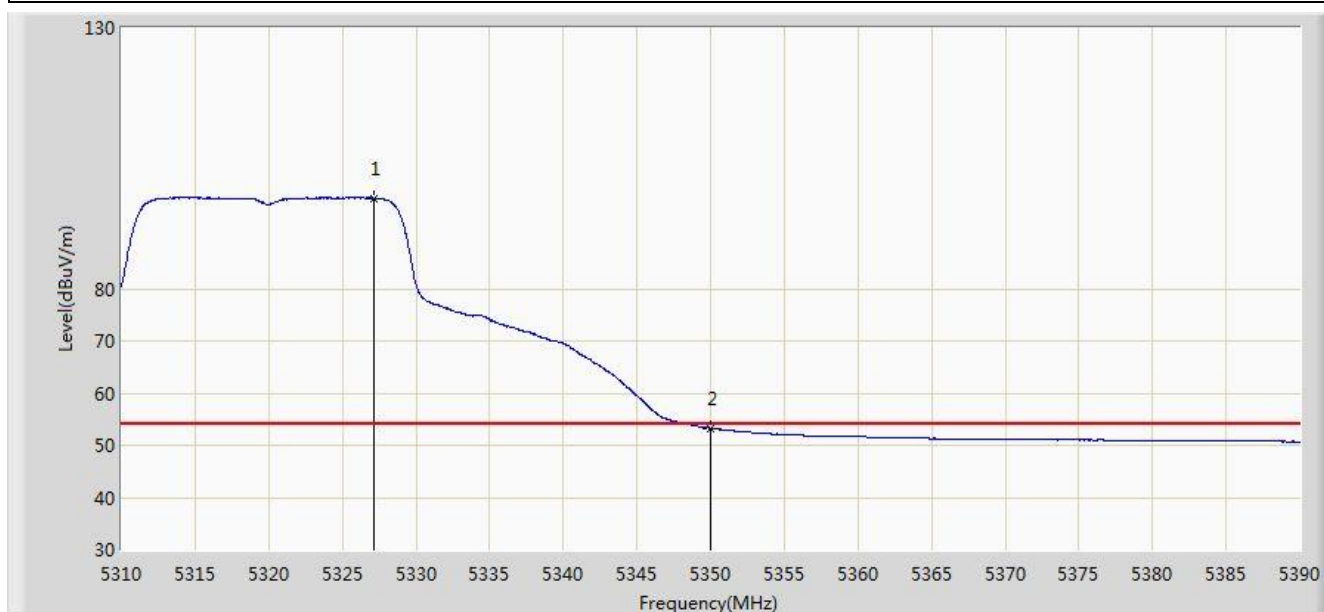


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.320	110.963	73.747	N/A	N/A	37.216	PK
2			5350.000	68.961	31.675	-5.039	74.000	37.286	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 00:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5320MHz by 802.11n-HT20 2TX	

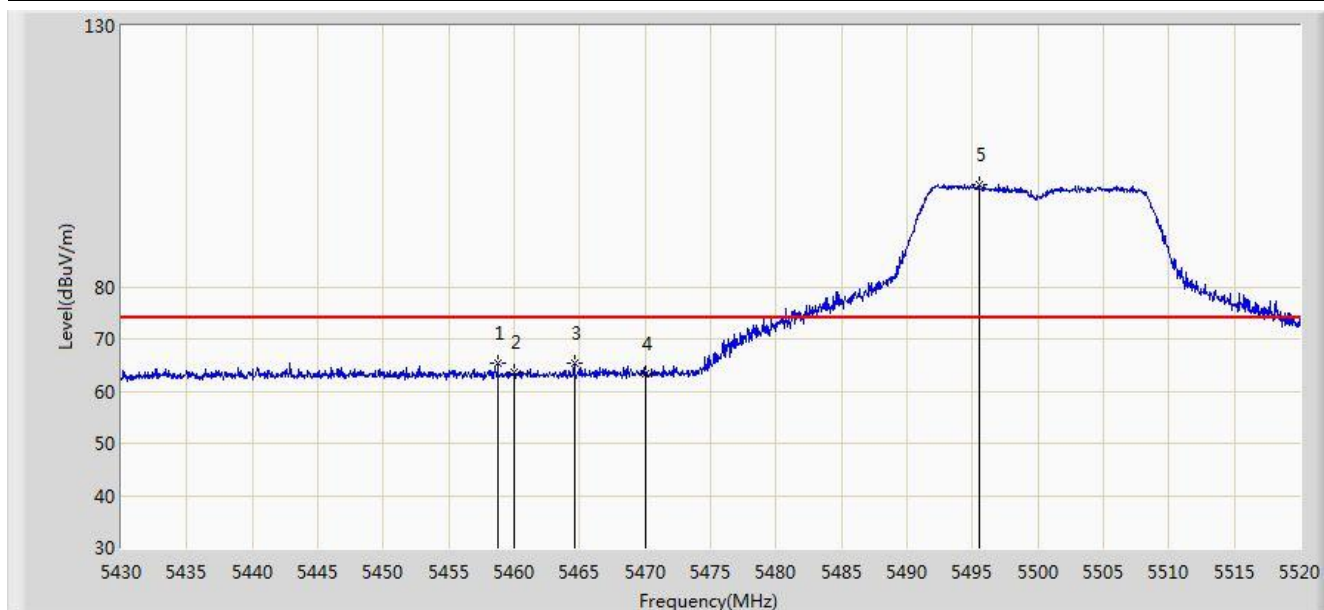


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5327.160	97.311	60.085	N/A	N/A	37.226	AV
2			5350.000	53.290	16.004	-0.710	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 00:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5500MHz by 802.11n-HT20 2TX	

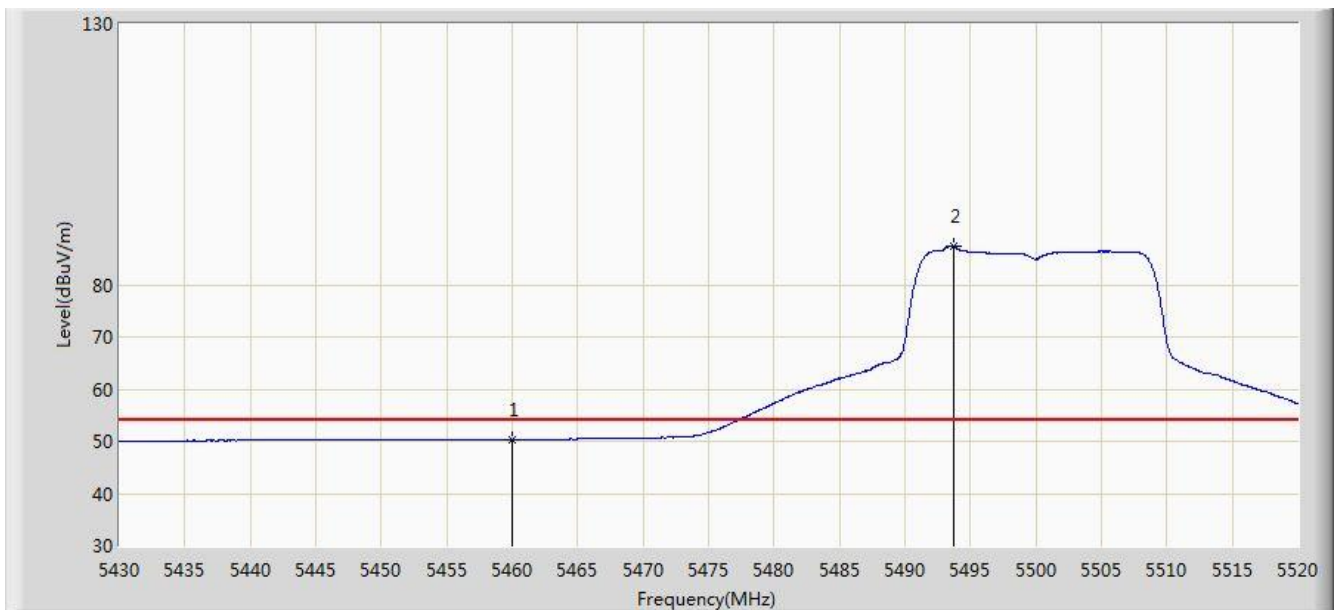


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5458.755	65.328	27.769	-8.672	74.000	37.560	PK
2			5460.000	63.516	25.953	-10.484	74.000	37.563	PK
3			5464.605	65.374	27.799	-8.626	74.000	37.575	PK
4			5470.000	63.419	25.830	-10.581	74.000	37.588	PK
5		*	5495.520	99.514	61.894	N/A	N/A	37.619	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 00:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5500MHz by 802.11n-HT20 2TX	

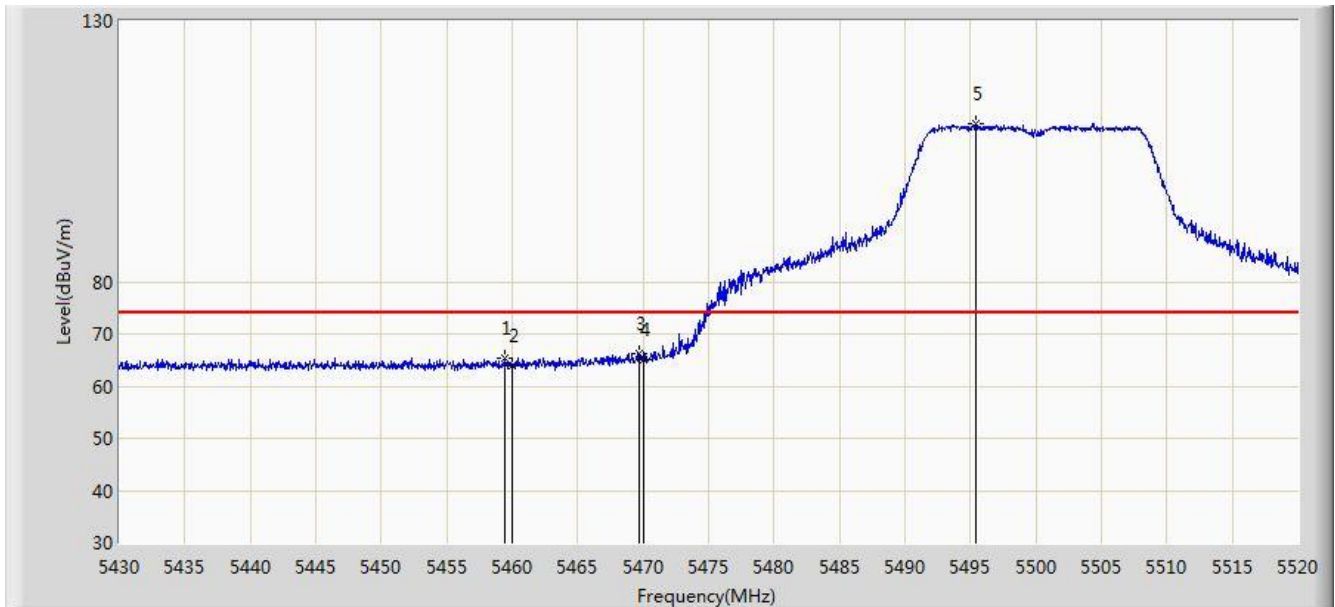


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.338	12.775	-3.662	54.000	37.563	AV
2		*	5493.675	87.300	49.682	N/A	N/A	37.617	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 00:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5500MHz by 802.11n-HT20 2TX	

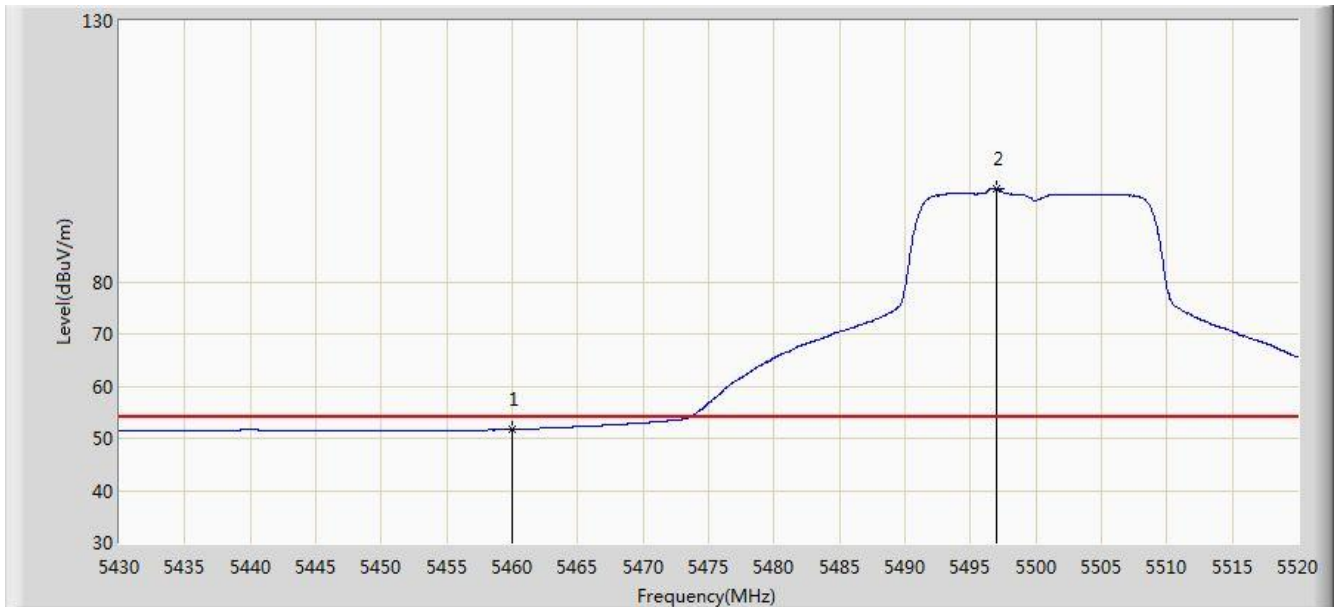


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5459.475	65.401	27.840	-8.599	74.000	37.561	PK
2			5460.000	64.012	26.449	-9.988	74.000	37.563	PK
3			5469.690	66.209	28.621	-7.791	74.000	37.588	PK
4			5470.000	65.132	27.543	-8.868	74.000	37.588	PK
5		*	5495.430	110.337	72.718	N/A	N/A	37.619	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 00:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5500MHz by 802.11n-HT20 2TX	

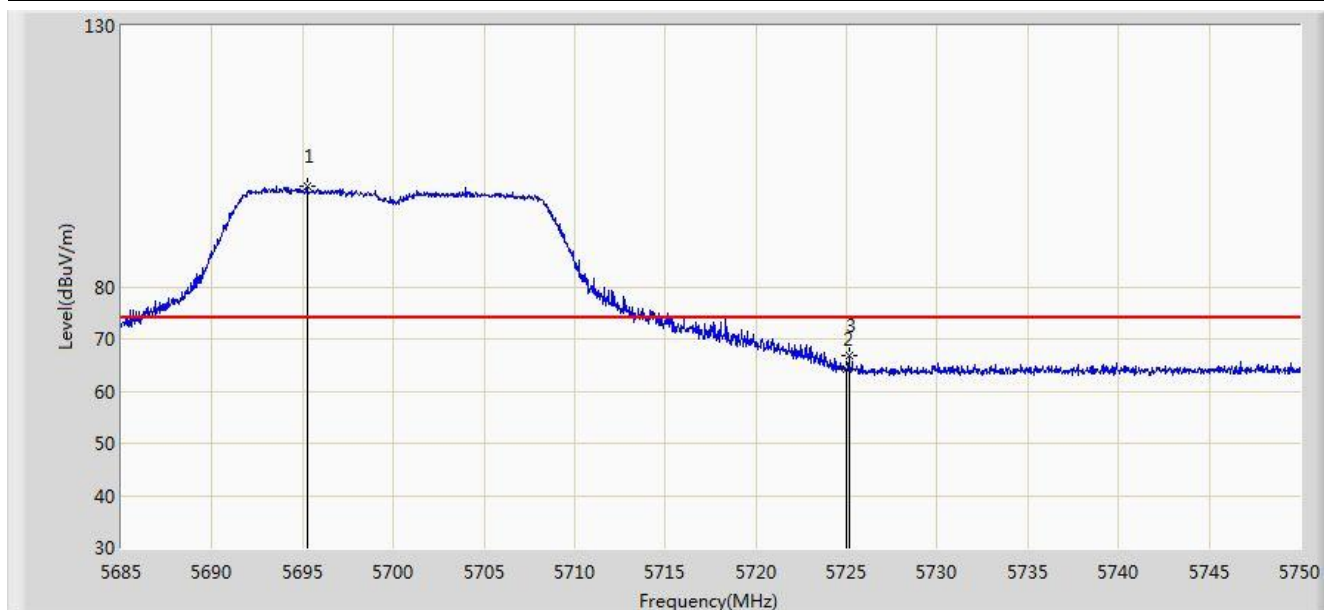


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	51.699	14.136	-2.301	54.000	37.563	AV
2		*	5496.960	97.869	60.248	N/A	N/A	37.622	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 00:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5700MHz by 802.11n-HT20 2TX	

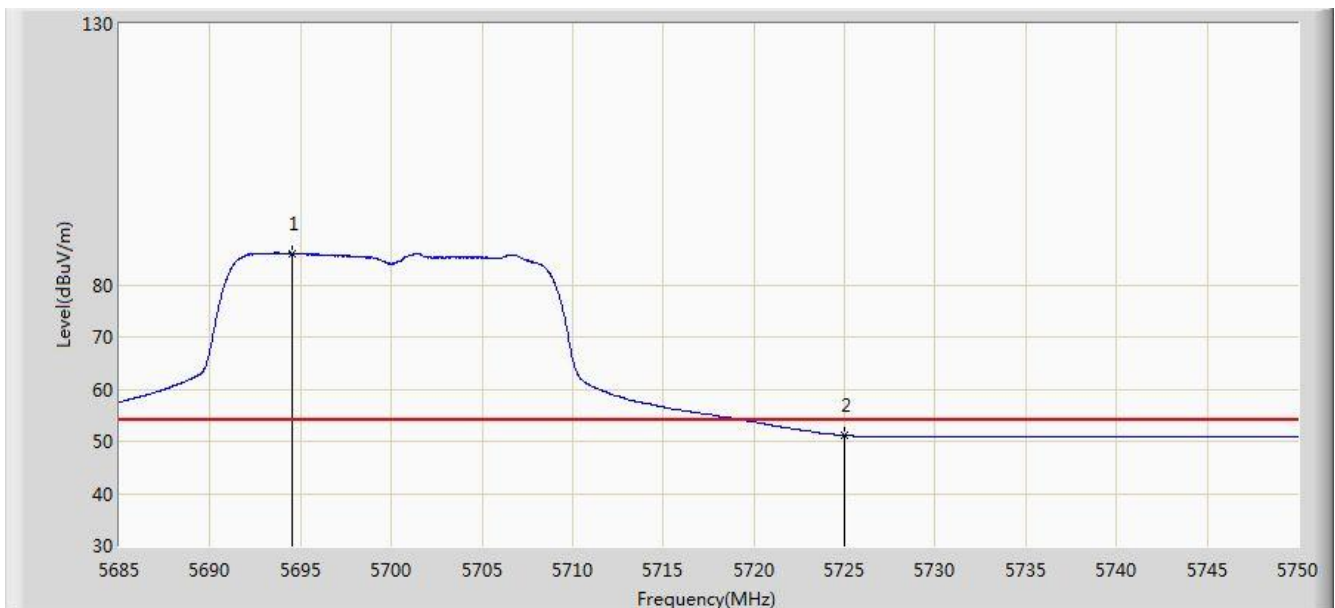


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5695.237	99.156	61.276	N/A	N/A	37.881	PK
2			5725.000	64.148	26.158	-9.852	74.000	37.990	PK
3			5725.138	66.830	28.840	-7.170	74.000	37.990	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 00:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5700MHz by 802.11n-HT20 2TX	

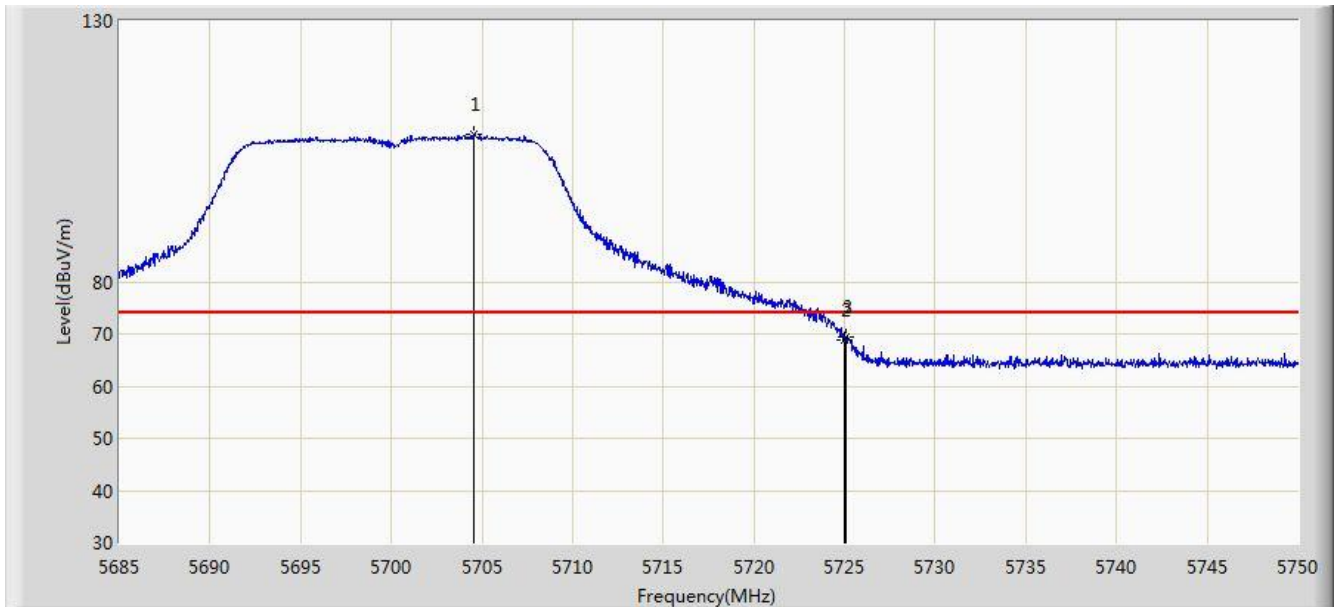


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5694.555	86.070	48.191	N/A	N/A	37.878	AV
2			5725.000	51.126	13.136	-2.874	54.000	37.990	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 00:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5700MHz by 802.11n-HT20 2TX	

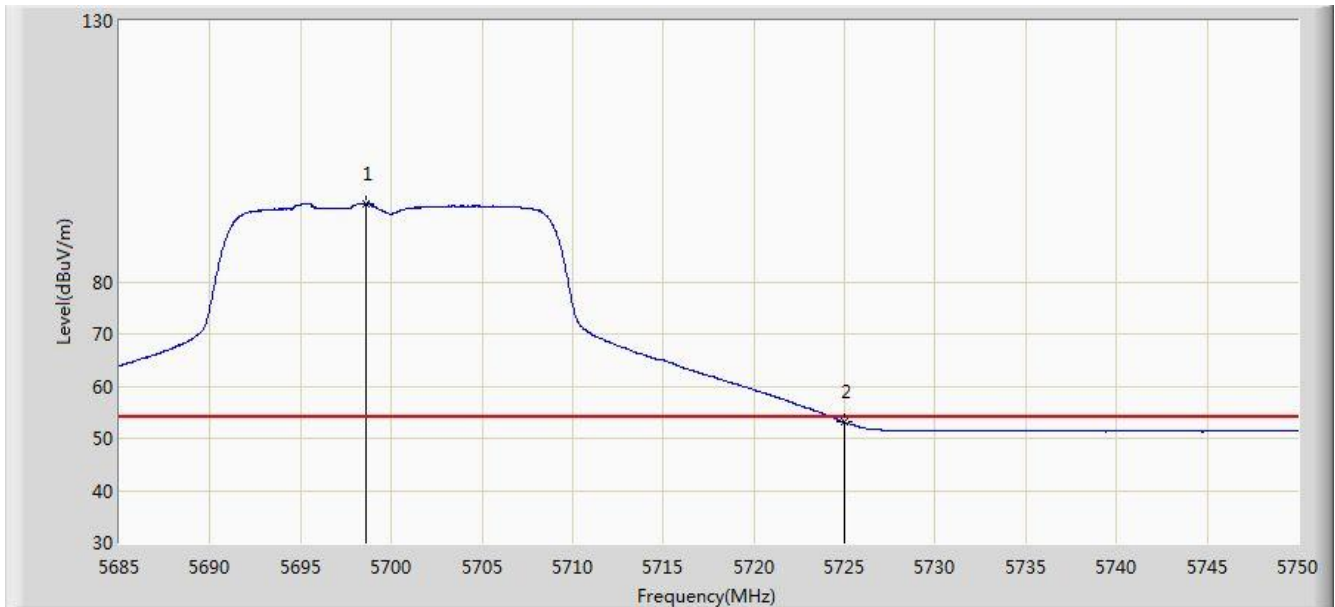


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5704.533	108.300	70.394	N/A	N/A	37.906	PK
2			5725.000	68.801	30.811	-5.199	74.000	37.990	PK
3			5725.105	69.277	31.287	-4.723	74.000	37.990	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 00:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5700MHz by 802.11n-HT20 2TX	

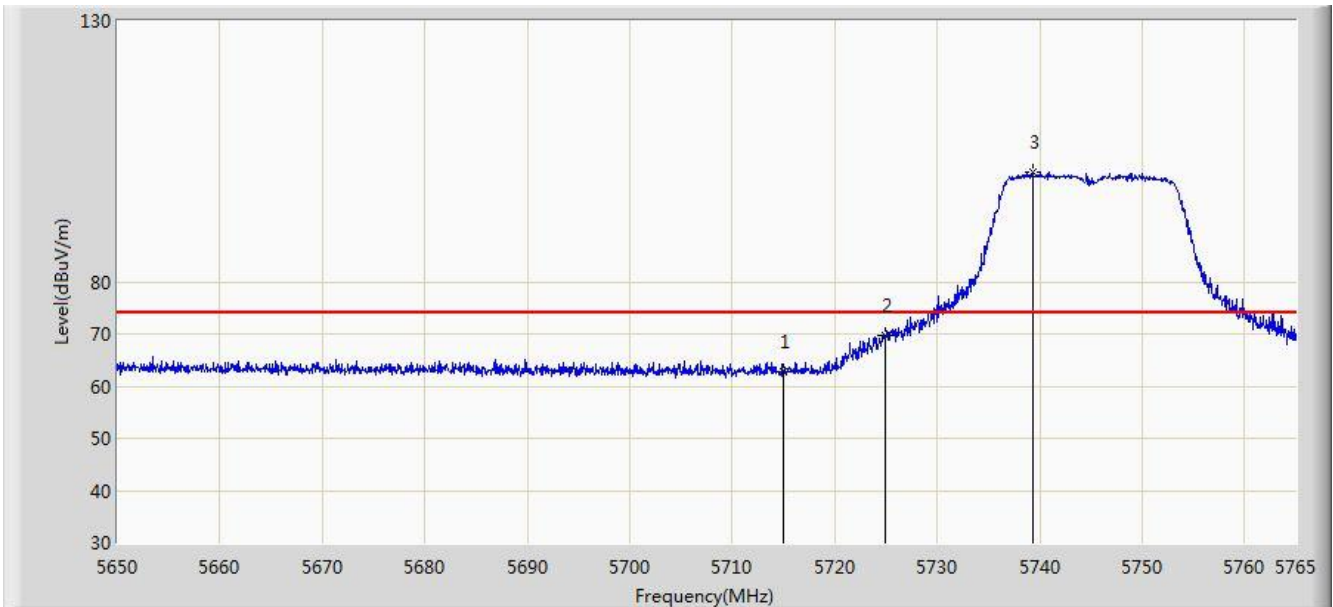


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5698.585	95.072	57.183	N/A	N/A	37.888	AV
2			5725.000	53.080	15.090	-0.920	54.000	37.990	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5745MHz by 802.11n20 2TX	

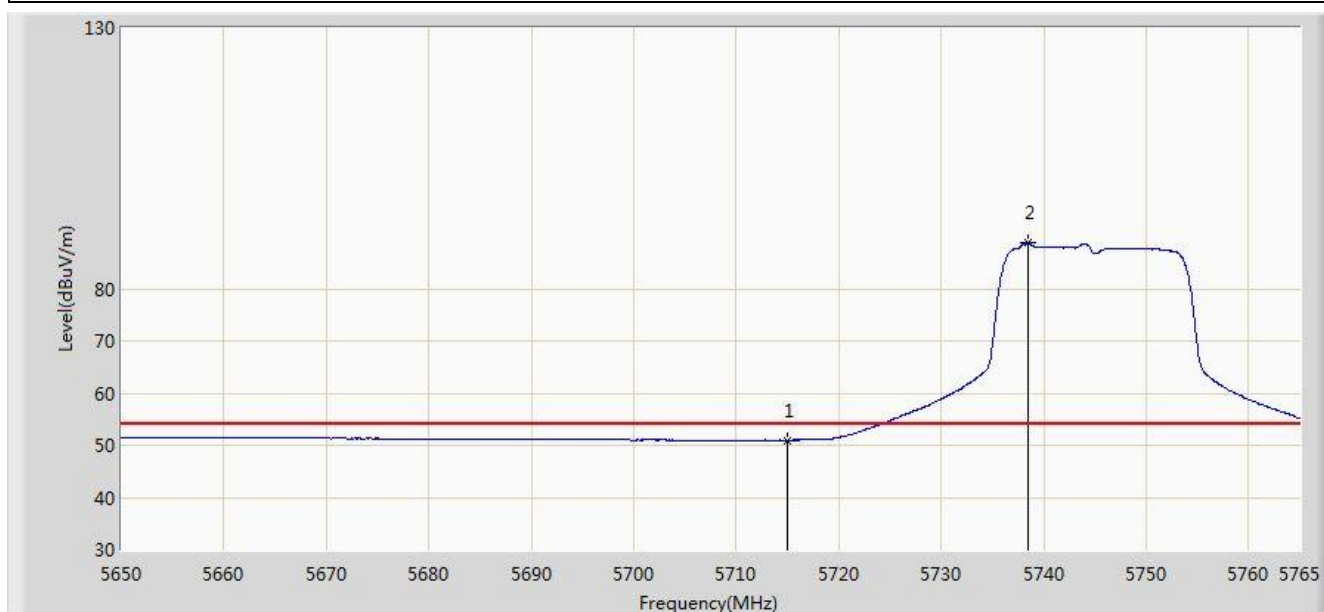


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	62.756	24.807	-11.244	74.000	37.949	PK
2			5725.000	69.647	31.657	-8.553	78.200	37.990	PK
3		*	5739.297	101.036	62.988	N/A	N/A	38.048	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5745MHz by 802.11n20 2TX	

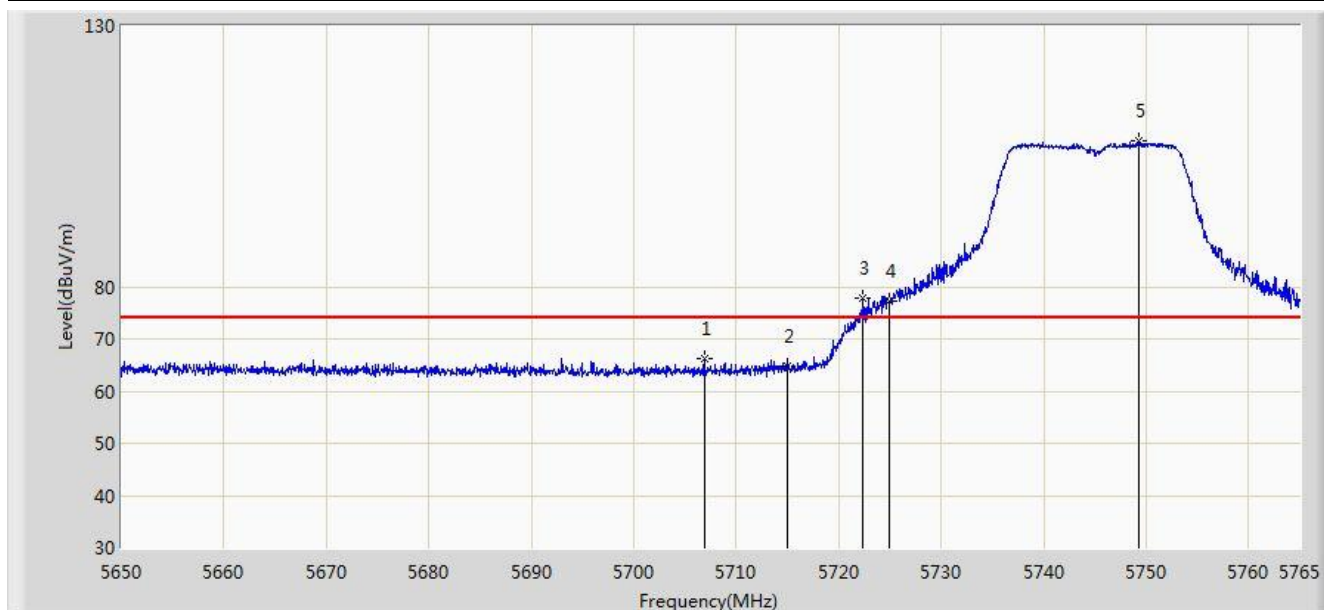


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.007	13.058	-2.993	54.000	37.949	AV
2		*	5738.493	88.852	50.807	N/A	N/A	38.046	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5745MHz by 802.11n20 2TX	

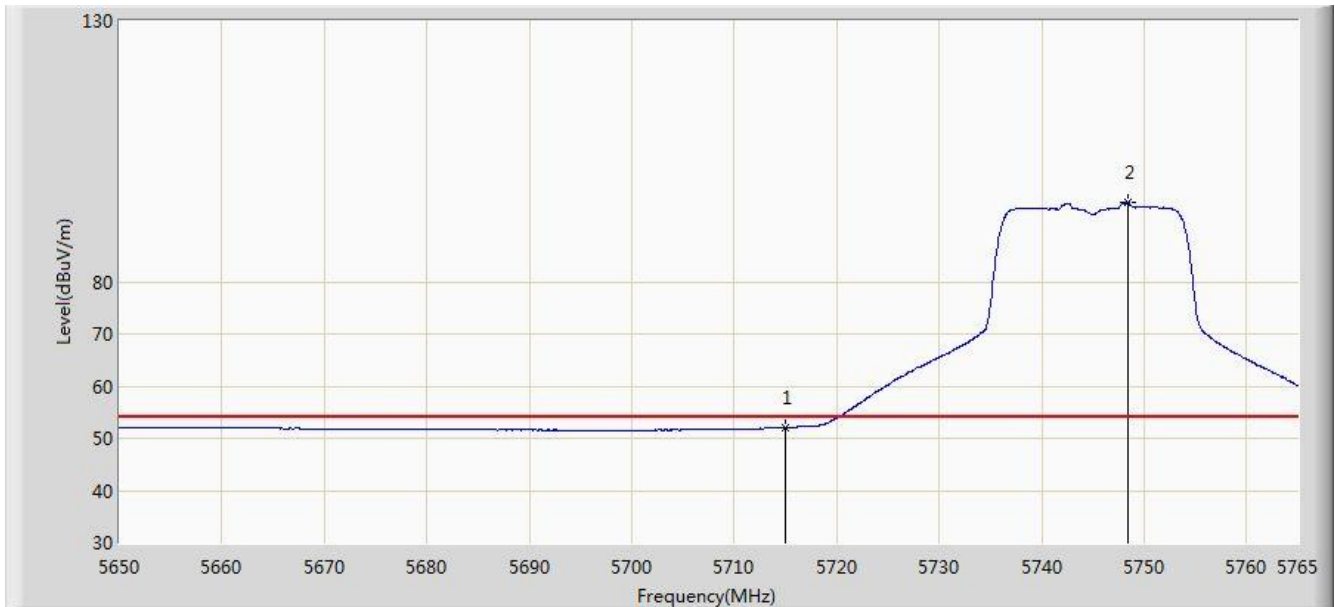


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5706.868	66.373	28.457	-7.627	74.000	37.916	PK
2			5715.000	64.827	26.878	-9.173	74.000	37.949	PK
3			5722.393	77.773	39.794	-0.427	78.200	37.979	PK
4			5725.000	77.141	39.151	-1.059	78.200	37.990	PK
5		*	5749.360	108.026	69.933	N/A	N/A	38.093	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5745MHz by 802.11n20 2TX	

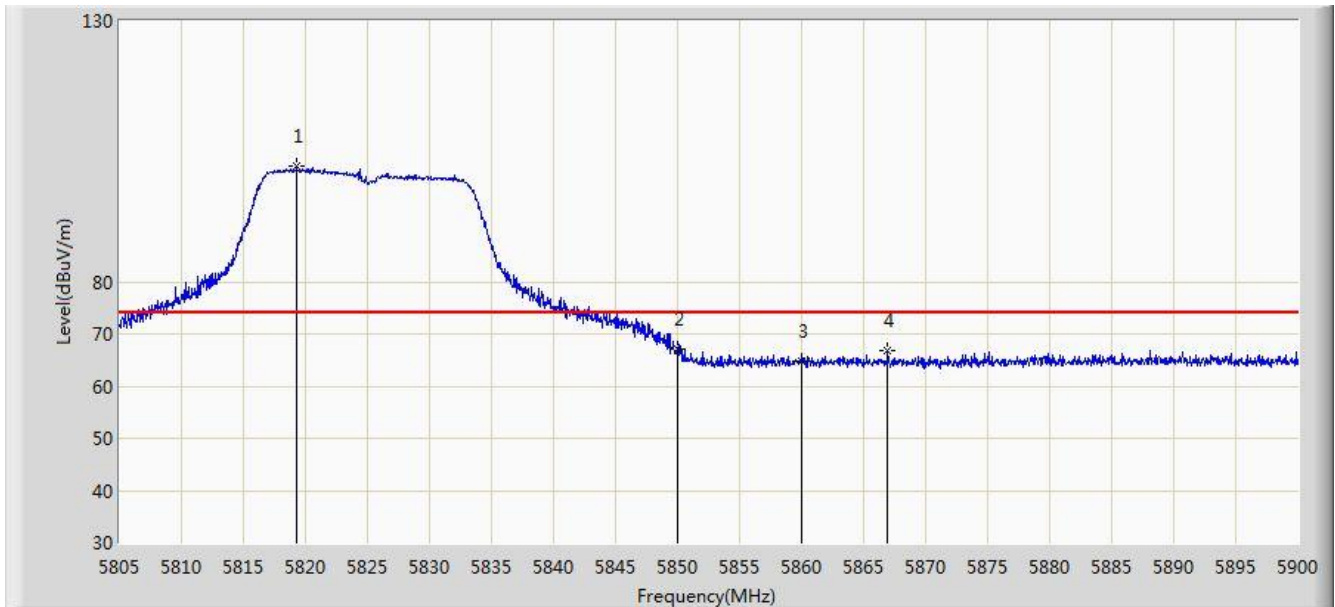


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	52.004	14.055	-1.996	54.000	37.949	AV
2		*	5748.498	95.112	57.023	N/A	N/A	38.088	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5825MHz by 802.11n20 2TX	

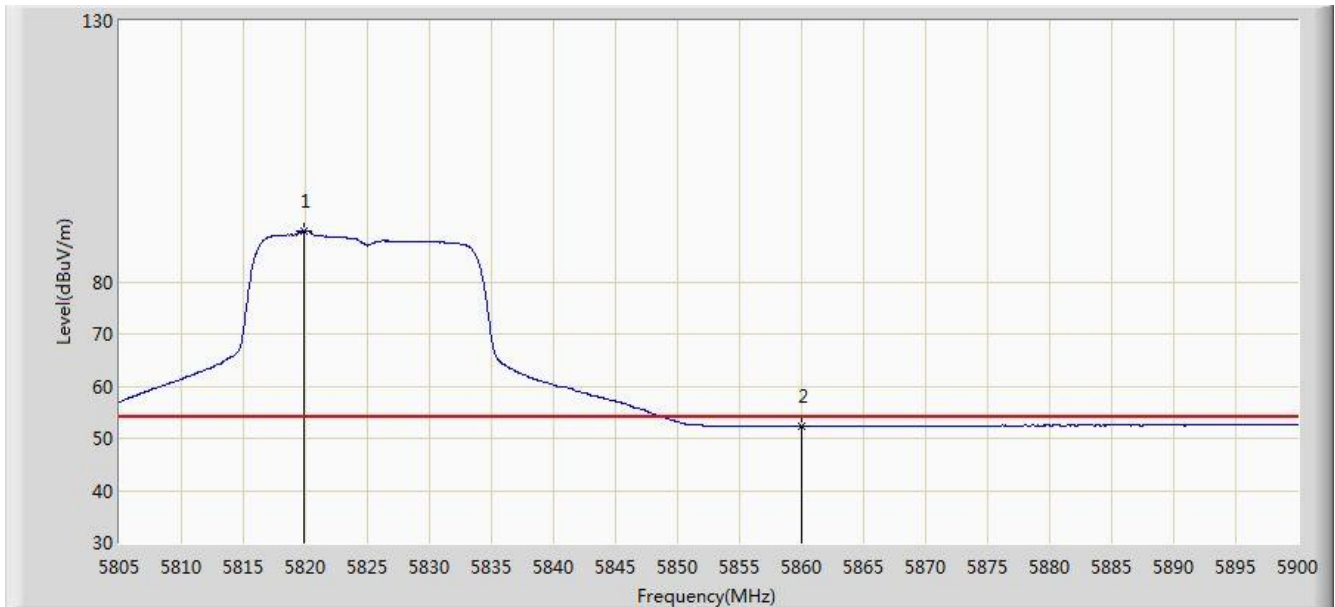


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.297	102.055	63.723	N/A	N/A	38.332	PK
2			5850.000	67.052	28.599	-11.148	78.200	38.454	PK
3			5860.000	64.903	26.425	-9.097	74.000	38.478	PK
4			5866.940	66.885	28.397	-7.115	74.000	38.488	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5825MHz by 802.11n20 2TX	

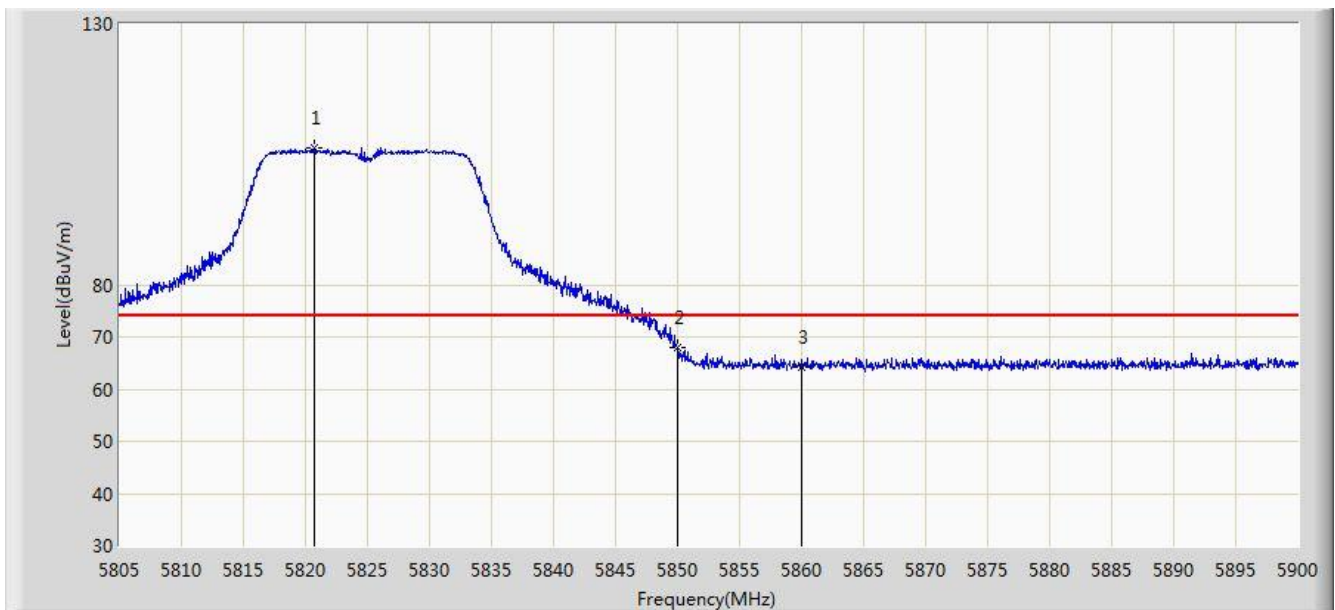


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.868	89.641	51.307	N/A	N/A	38.335	AV
2			5860.000	52.349	13.871	-1.651	54.000	38.478	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5825MHz by 802.11n20 2TX	

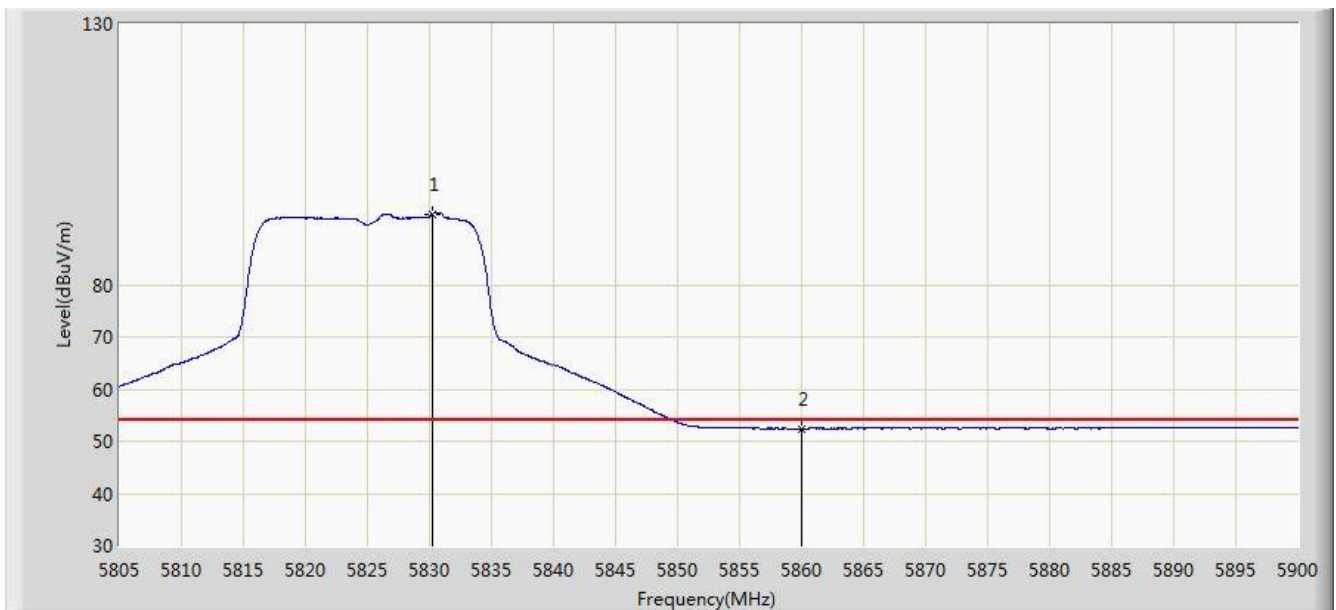


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.675	106.370	68.032	N/A	N/A	38.337	PK
2			5850.000	67.854	29.401	-10.346	78.200	38.454	PK
3			5860.000	64.209	25.731	-9.791	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5825MHz by 802.11n20 2TX	

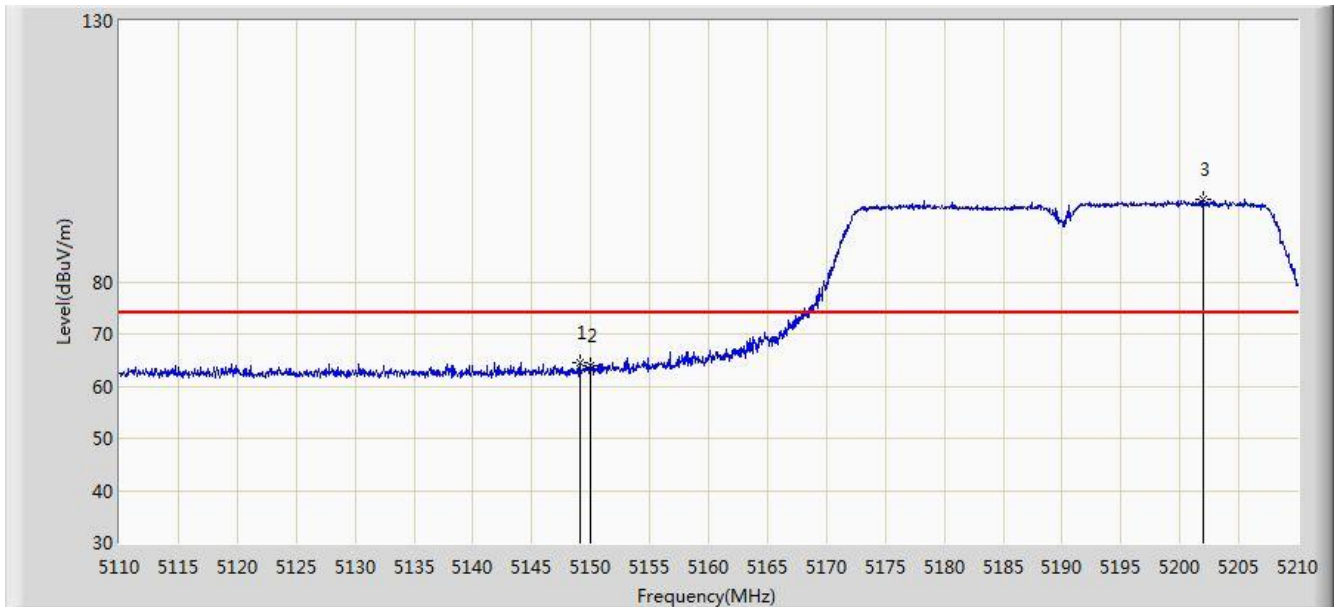


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5830.223	93.538	55.160	N/A	N/A	38.378	AV
2			5860.000	52.416	13.938	-1.584	54.000	38.478	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 03:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5190MHz by 802.11n-HT40 2TX	

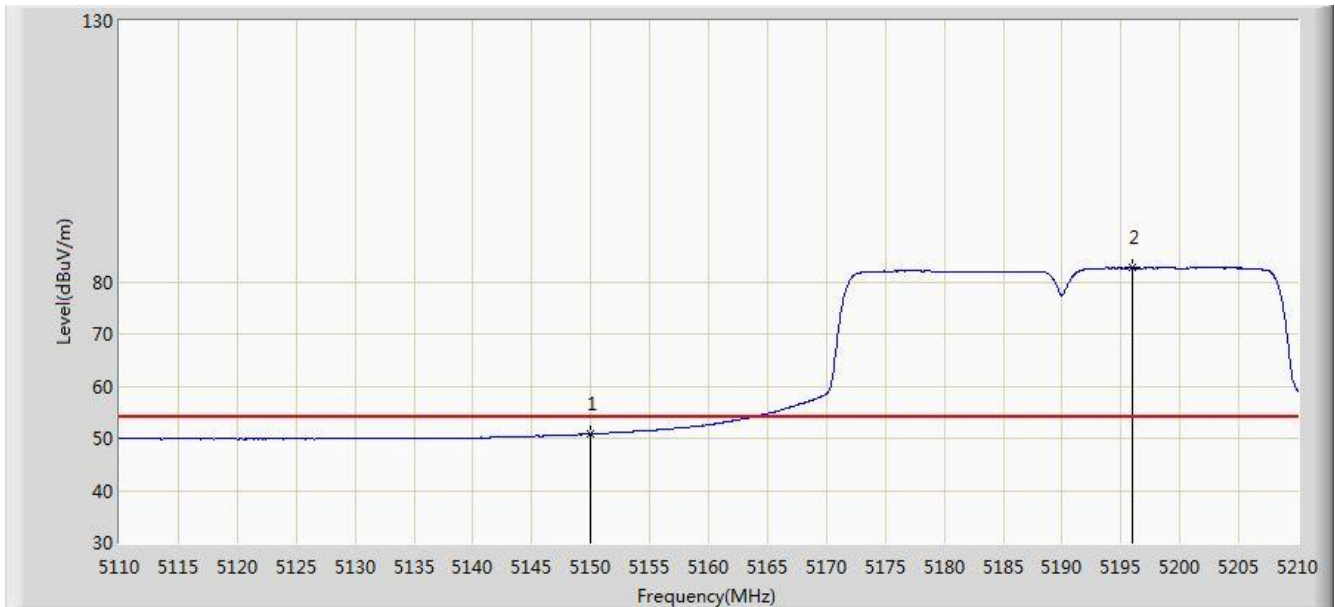


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.100	64.534	27.081	-9.466	74.000	37.453	PK
2			5150.000	63.801	26.349	-10.199	74.000	37.452	PK
3		*	5201.950	95.720	58.402	N/A	N/A	37.317	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 03:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5190MHz by 802.11n-HT40 2TX	

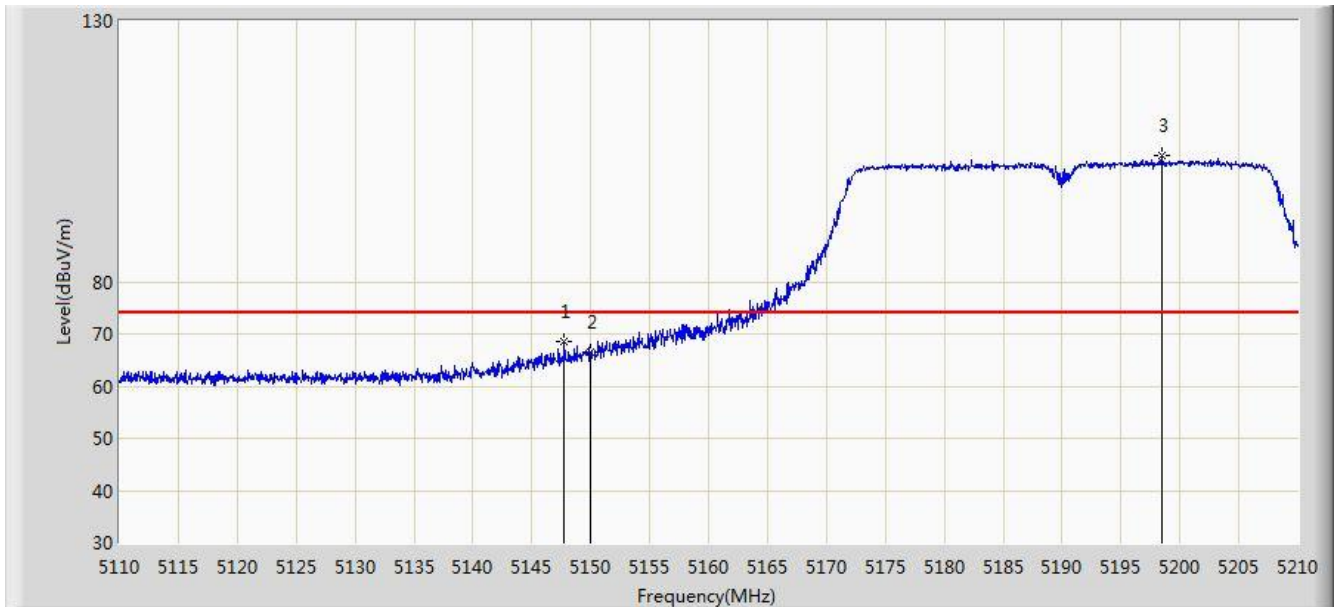


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.797	13.345	-3.203	54.000	37.452	AV
2		*	5196.000	82.645	45.310	N/A	N/A	37.334	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 03:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5190MHz by 802.11n-HT40 2TX	

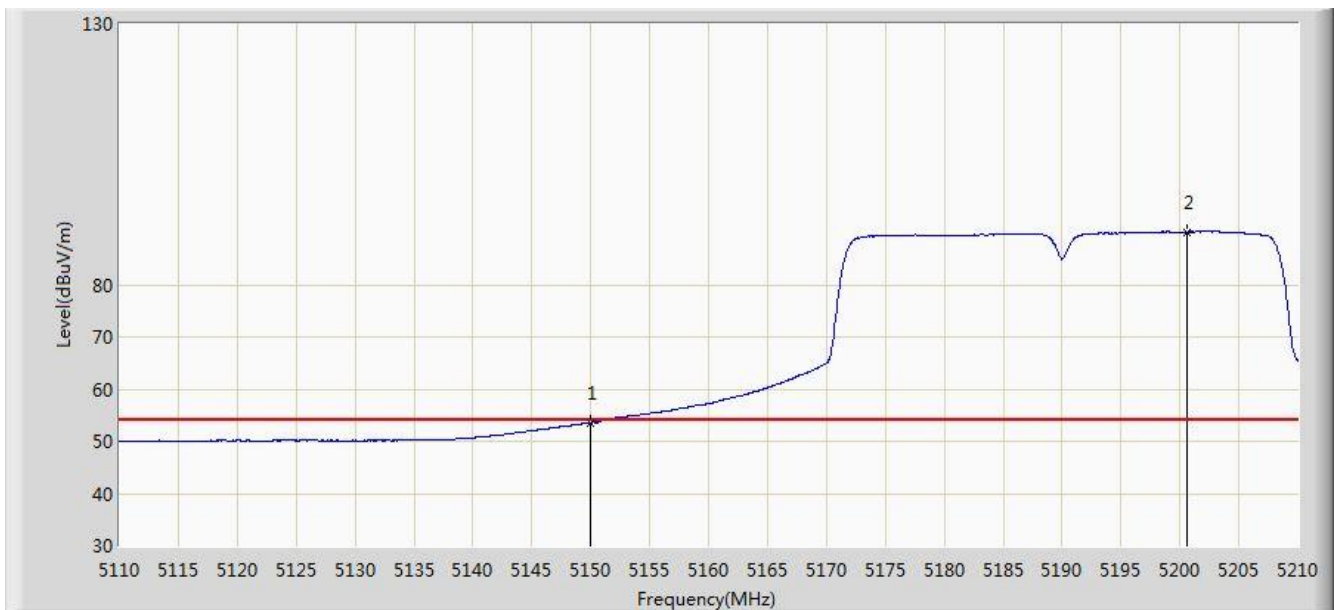


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.750	68.472	31.017	-5.528	74.000	37.455	PK
2			5150.000	66.385	28.933	-7.615	74.000	37.452	PK
3		*	5198.450	104.240	66.911	N/A	N/A	37.329	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 03:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5190MHz by 802.11n-HT40 2TX	

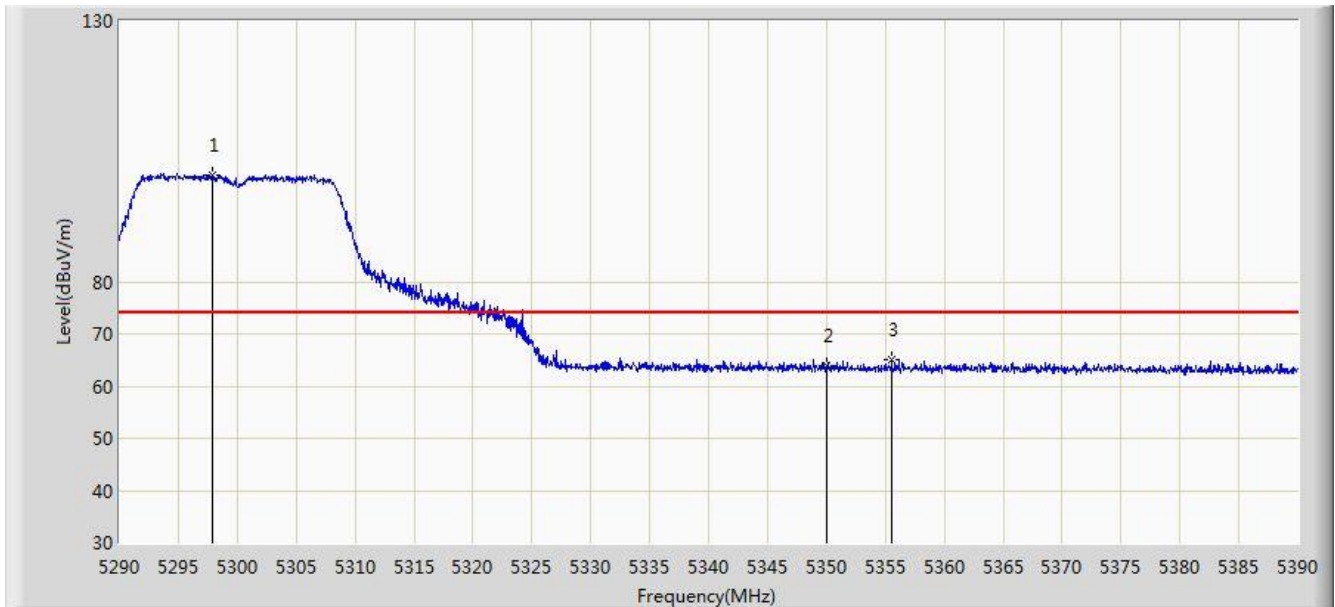


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.574	16.122	-0.426	54.000	37.452	AV
2		*	5200.600	90.106	52.784	N/A	N/A	37.323	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5310MHz by 802.11n-HT40 2TX	

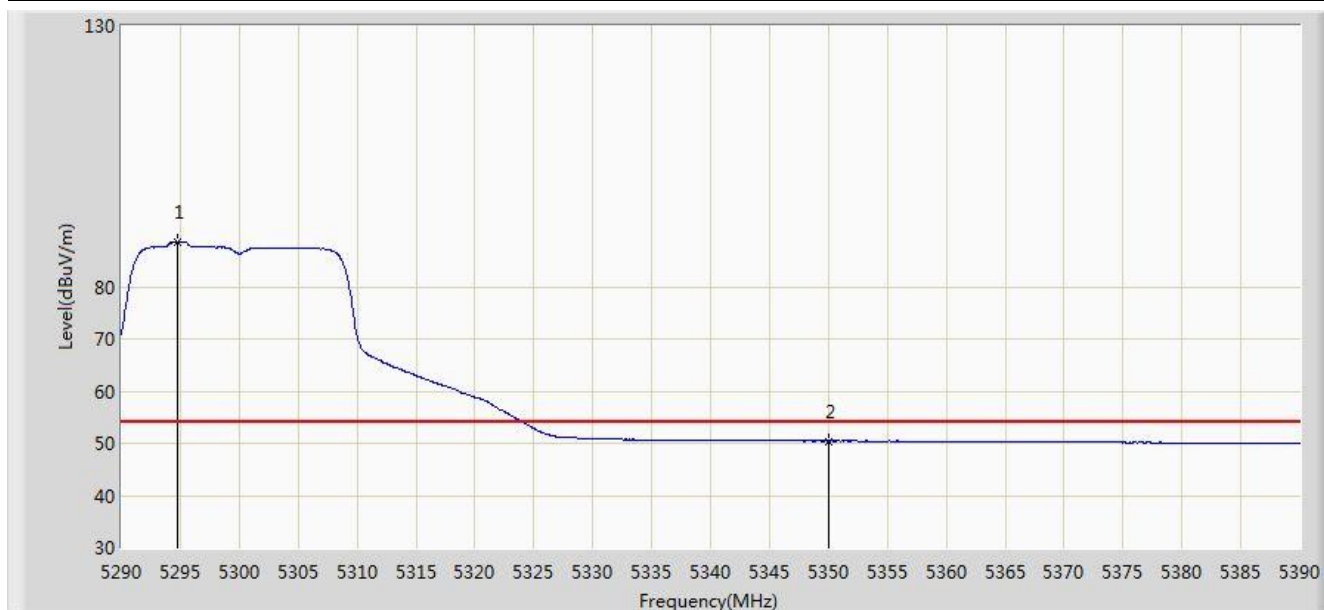


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5297.900	100.452	63.270	N/A	N/A	37.182	PK
2			5350.000	63.808	26.522	-10.192	74.000	37.286	PK
3			5355.550	65.138	27.836	-8.862	74.000	37.302	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5310MHz by 802.11n-HT40 2TX	

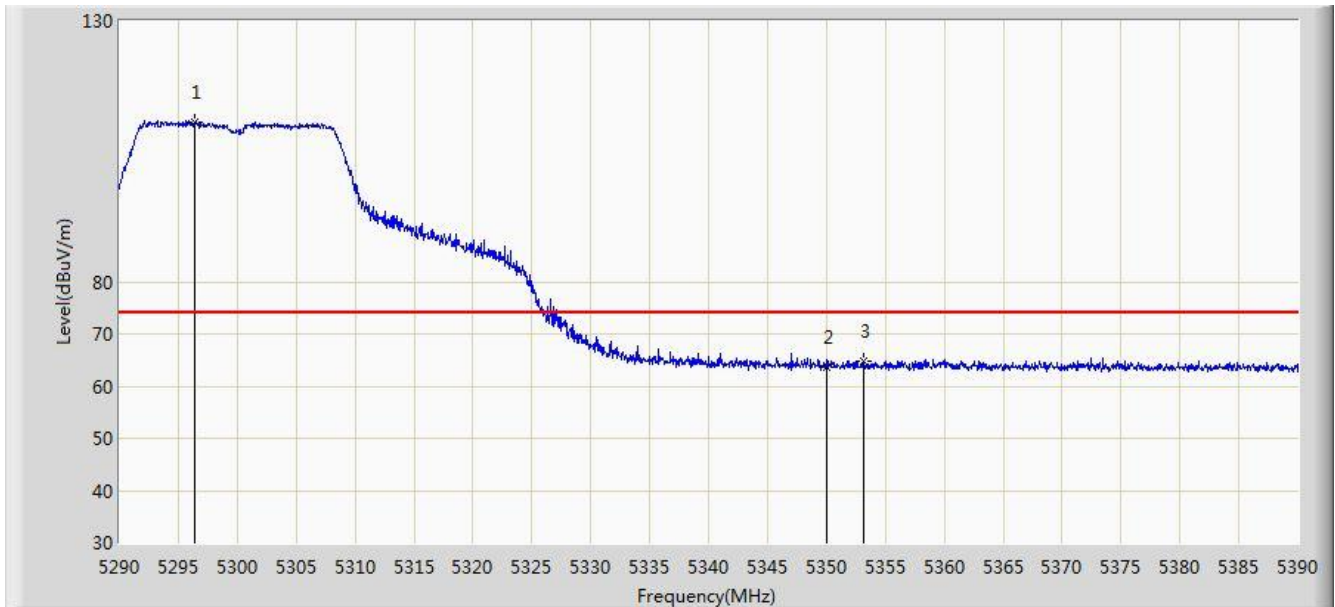


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5294.800	88.548	51.370	N/A	N/A	37.178	AV
2			5350.000	50.419	13.133	-3.581	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5310MHz by 802.11n-HT40 2TX	

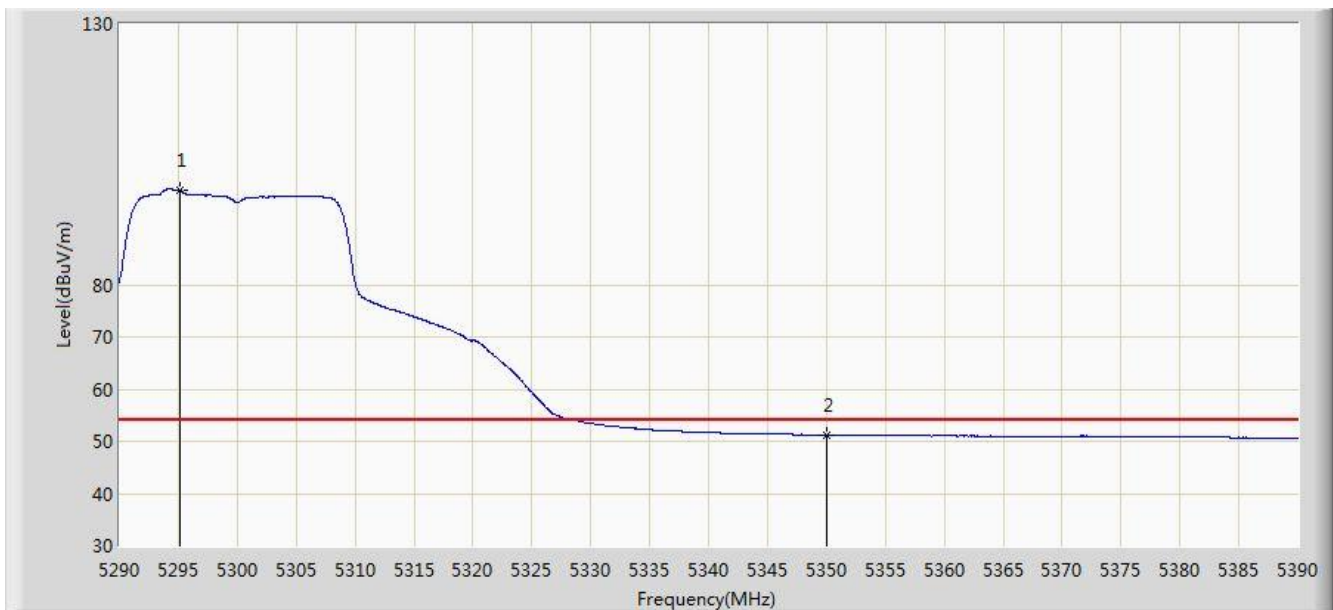


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5296.350	110.641	73.462	N/A	N/A	37.179	PK
2			5350.000	63.542	26.256	-10.458	74.000	37.286	PK
3			5353.100	64.781	27.485	-9.219	74.000	37.296	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5310MHz by 802.11n-HT40 2TX	

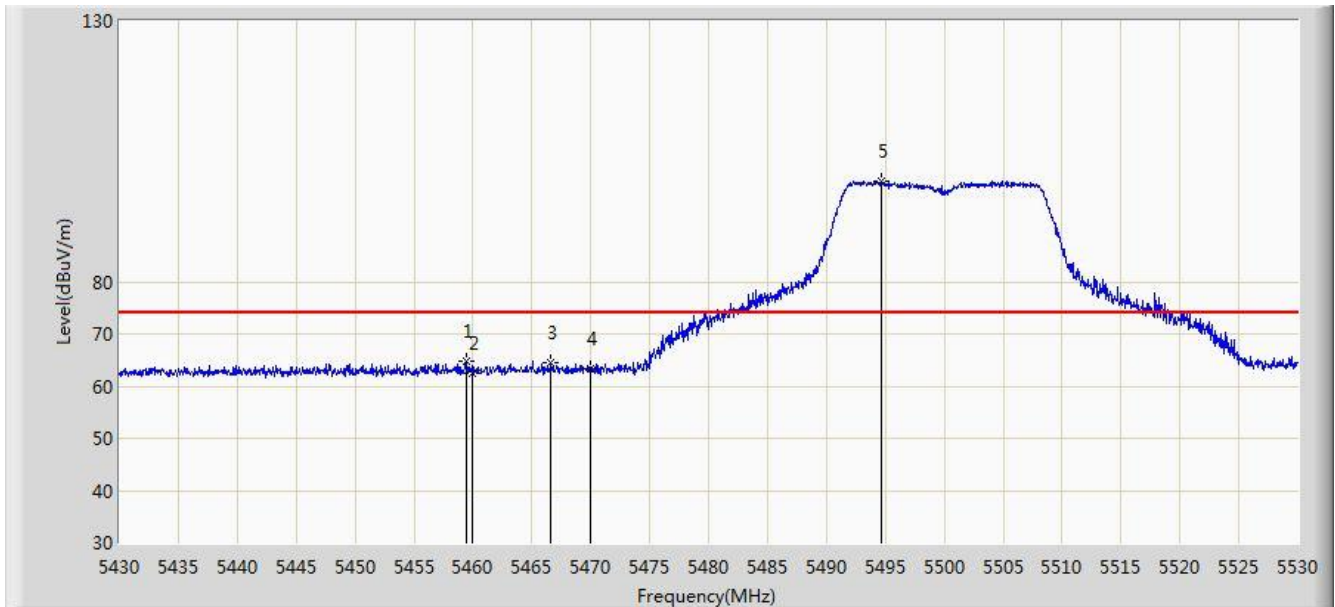


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5295.100	98.228	61.050	N/A	N/A	37.178	AV
2			5350.000	51.180	13.894	-2.820	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5510MHz by 802.11n-HT40 2TX	

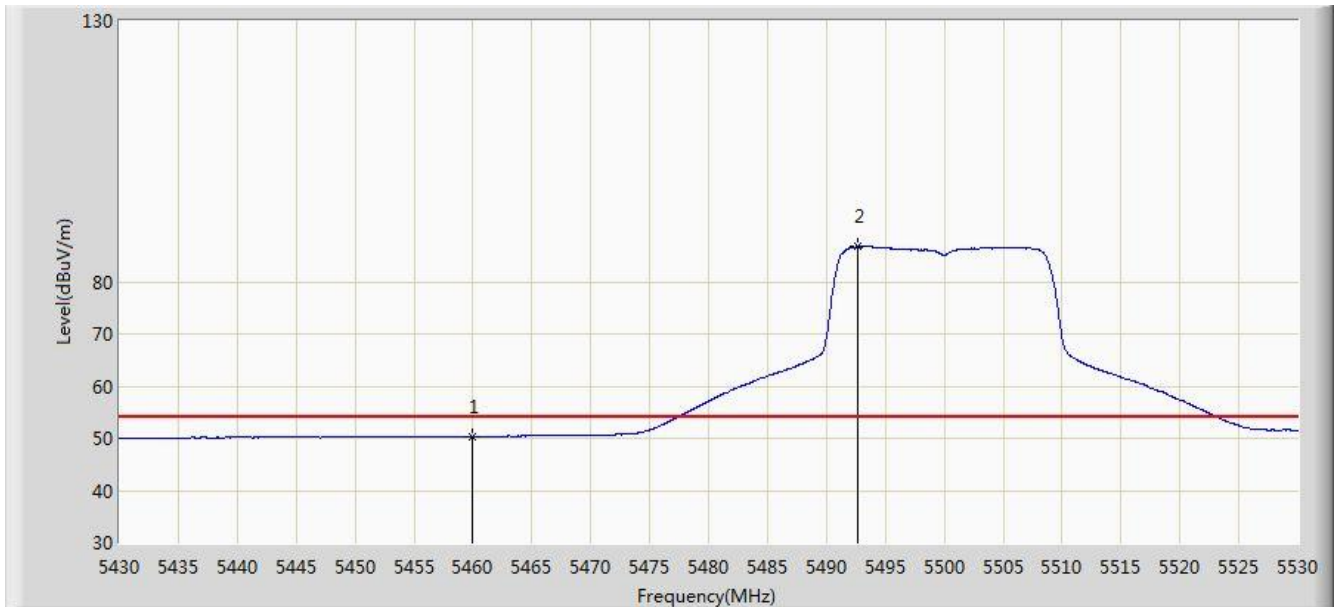


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5459.400	64.640	27.079	-9.360	74.000	37.561	PK
2			5460.000	62.498	24.935	-11.502	74.000	37.563	PK
3			5466.650	64.628	27.048	-9.372	74.000	37.580	PK
4			5470.000	63.474	25.885	-10.526	74.000	37.588	PK
5		*	5494.600	99.241	61.622	N/A	N/A	37.618	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5510MHz by 802.11n-HT40 2TX	

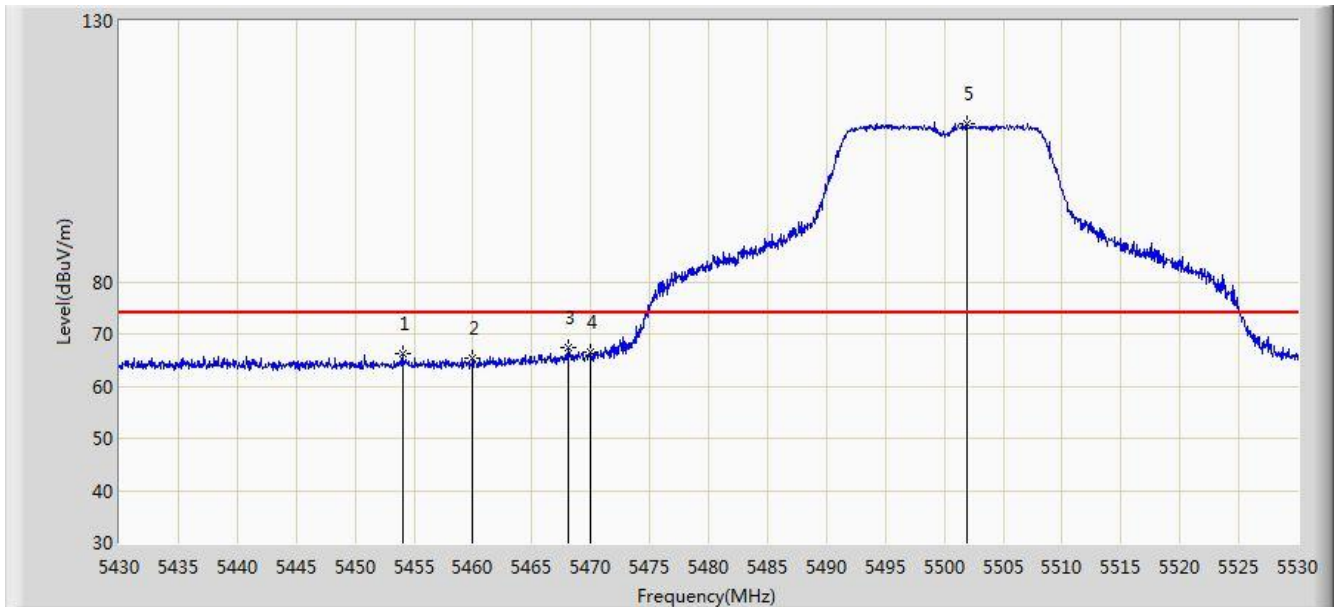


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.398	12.835	-3.602	54.000	37.563	AV
2		*	5492.600	86.712	49.096	N/A	N/A	37.616	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5510MHz by 802.11n-HT40 2TX	

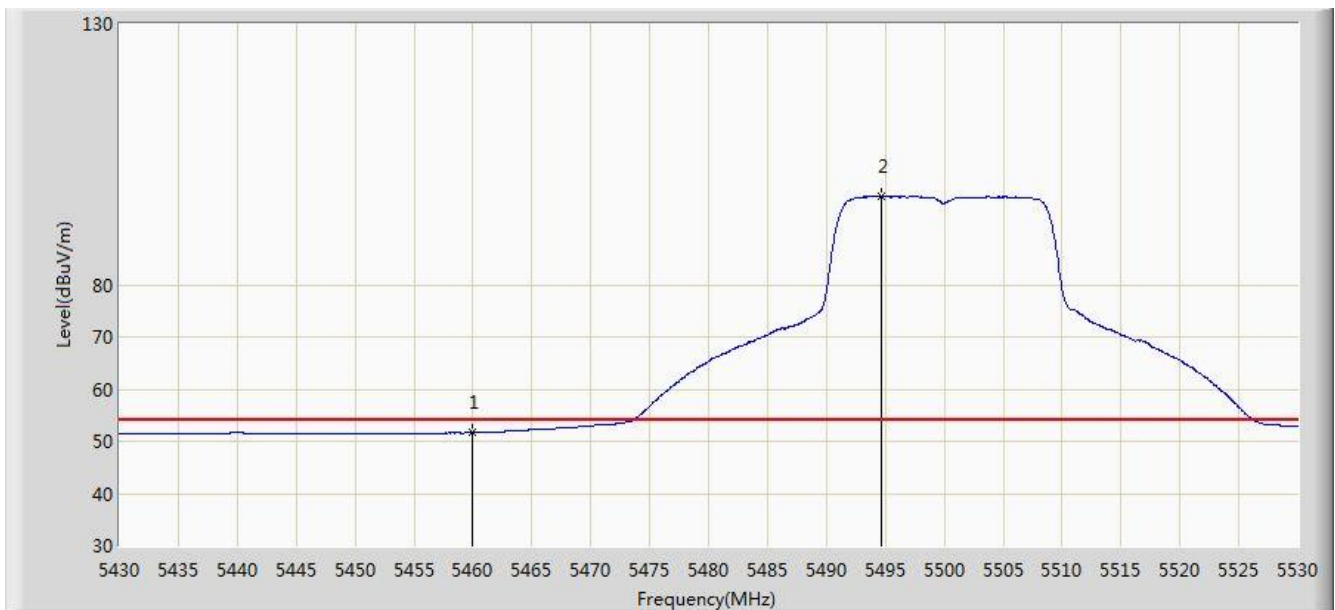


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5454.050	66.137	28.591	-7.863	74.000	37.546	PK
2			5460.000	65.265	27.702	-8.735	74.000	37.563	PK
3			5468.050	67.420	29.837	-6.580	74.000	37.583	PK
4			5470.000	66.550	28.961	-7.450	74.000	37.588	PK
5		*	5501.900	110.316	72.690	N/A	N/A	37.627	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5510MHz by 802.11n-HT40 2TX	

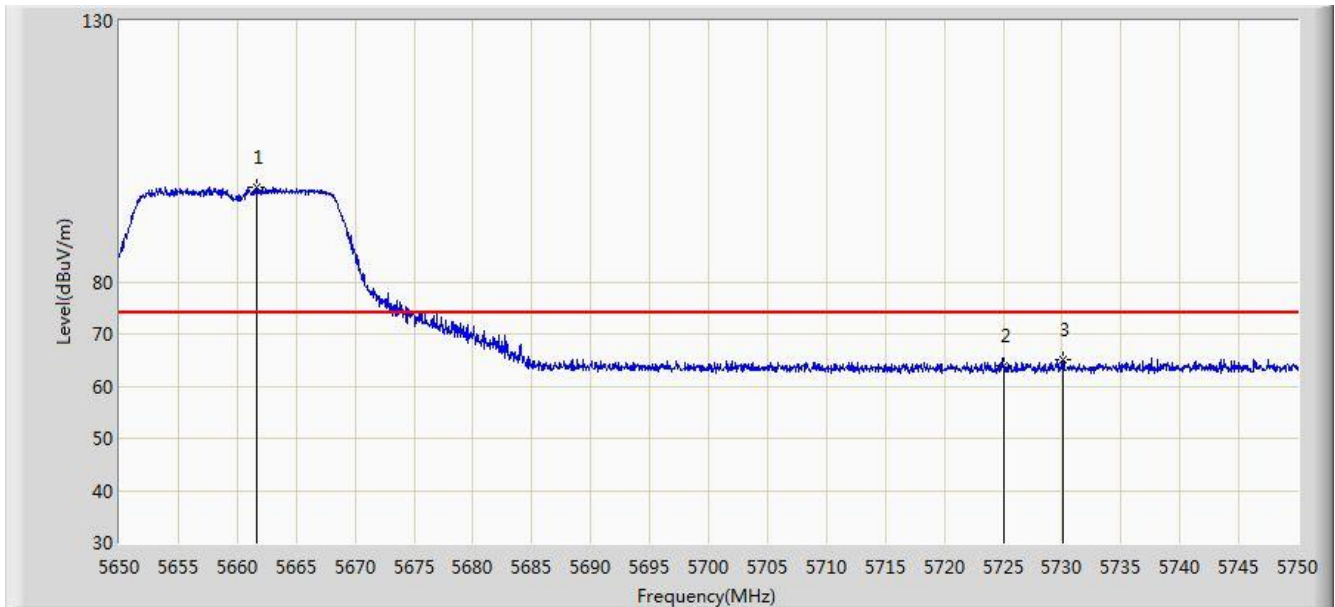


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	51.664	14.101	-2.336	54.000	37.563	AV
2		*	5494.650	96.929	59.310	N/A	N/A	37.618	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5670MHz by 802.11n-HT40 2TX	

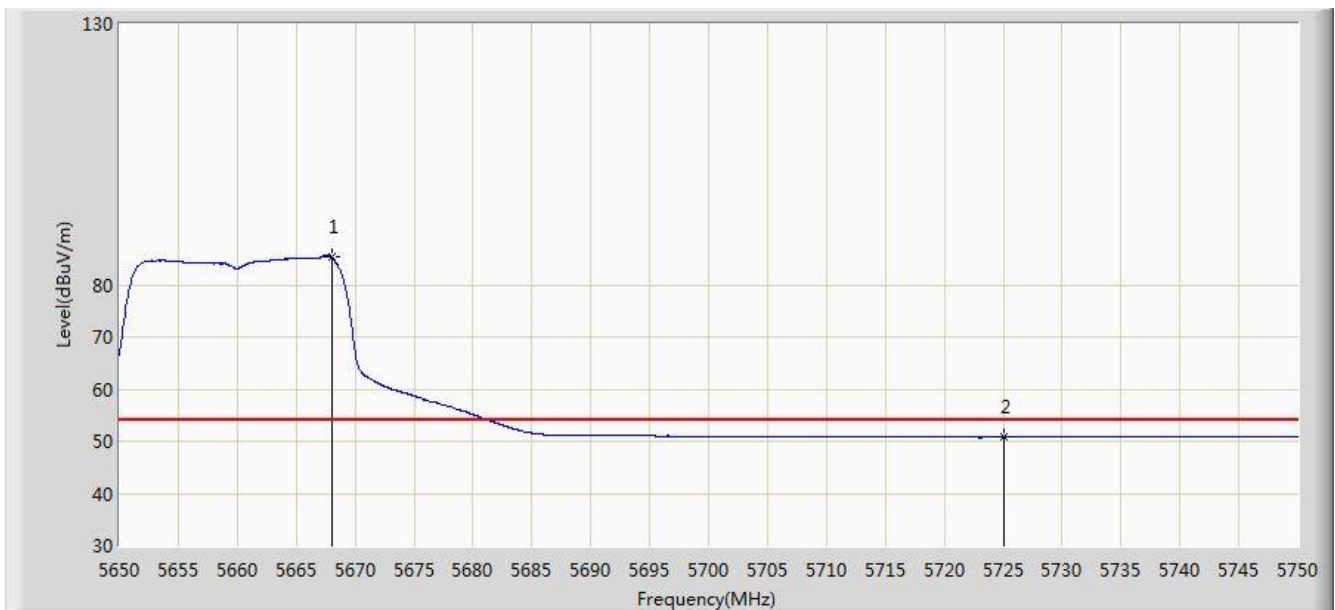


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5661.650	98.237	60.438	N/A	N/A	37.799	PK
2			5725.000	63.795	25.805	-10.205	74.000	37.990	PK
3			5730.050	65.069	27.059	-8.931	74.000	38.010	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5670MHz by 802.11n-HT40 2TX	

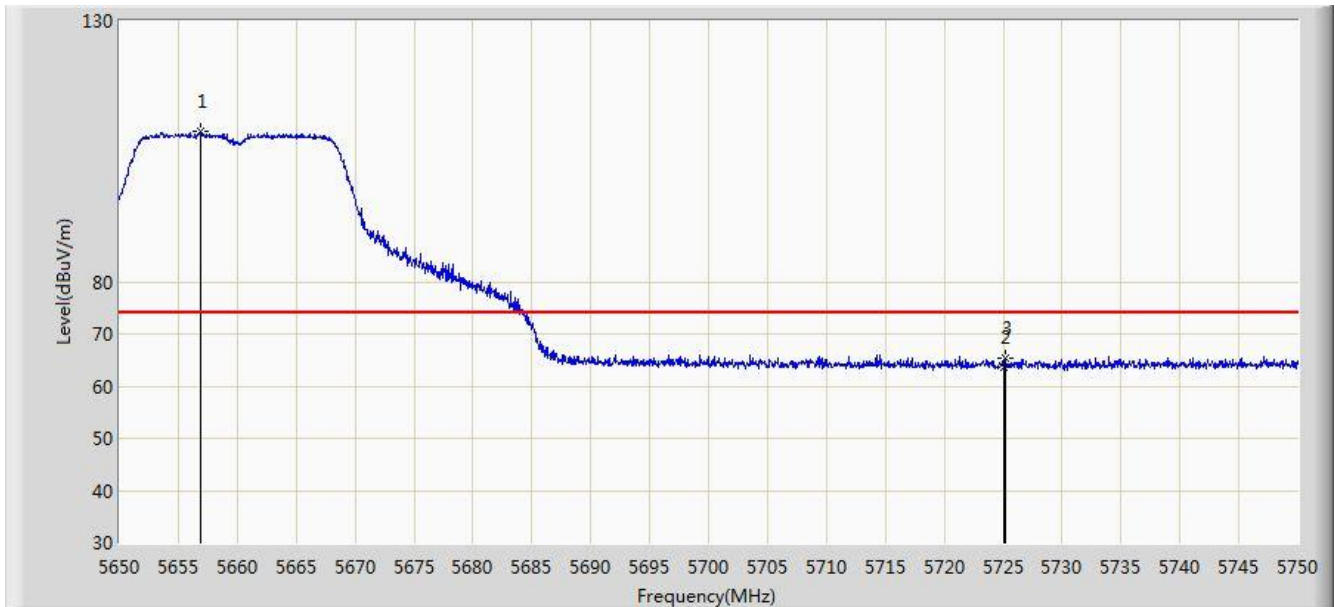


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5668.000	85.442	47.635	N/A	N/A	37.807	AV
2			5725.000	50.806	12.816	-3.194	54.000	37.990	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5670MHz by 802.11n-HT40 2TX	

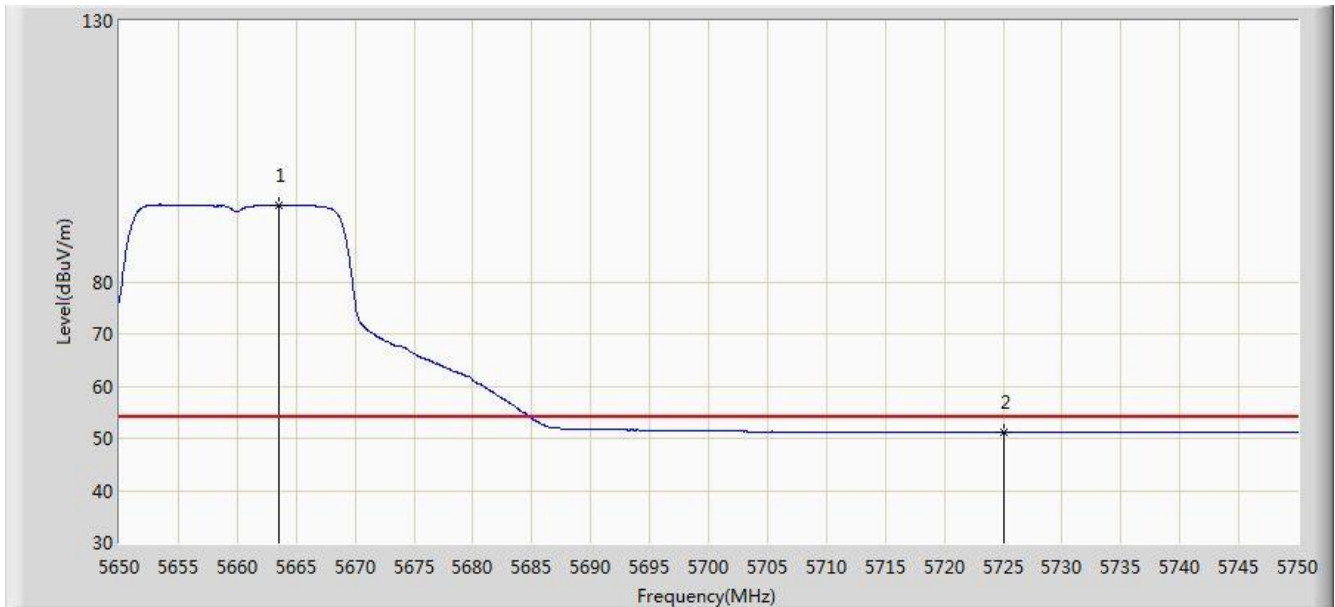


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5656.900	108.816	71.023	N/A	N/A	37.793	PK
2			5725.000	63.529	25.539	-10.471	74.000	37.990	PK
3			5725.150	65.291	27.301	-8.709	74.000	37.990	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5670MHz by 802.11n-HT40 2TX	

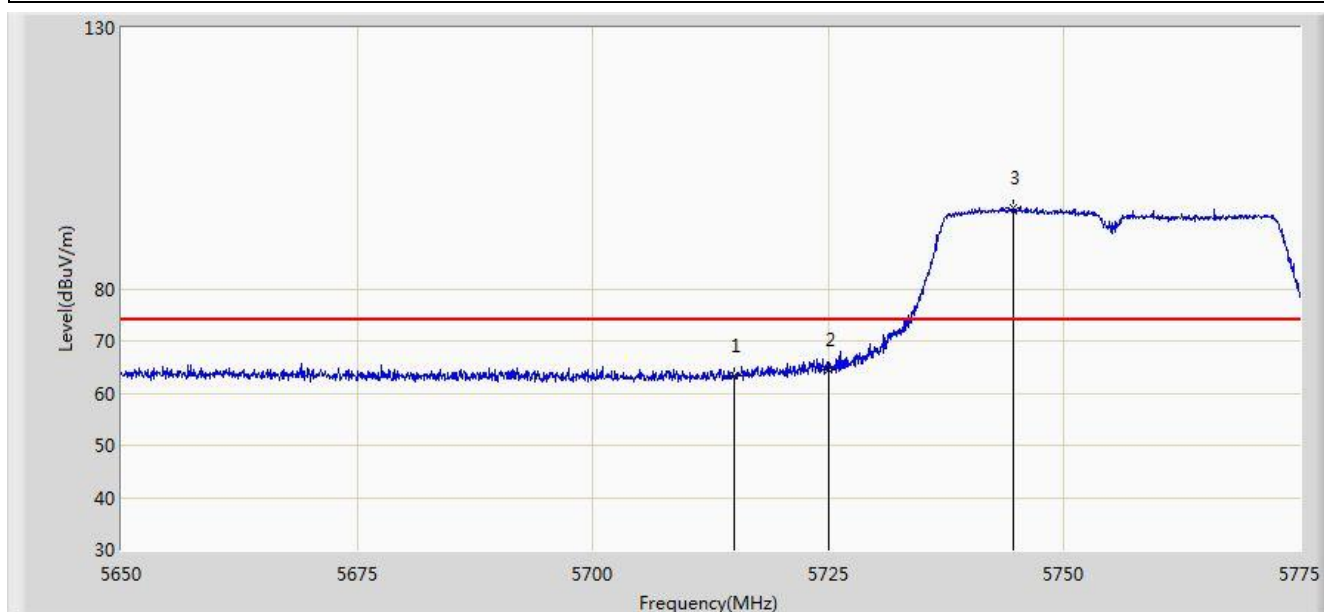


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5663.550	94.774	56.973	N/A	N/A	37.801	AV
2			5725.000	51.109	13.119	-2.891	54.000	37.990	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5755MHz by 802.11n40 2TX	

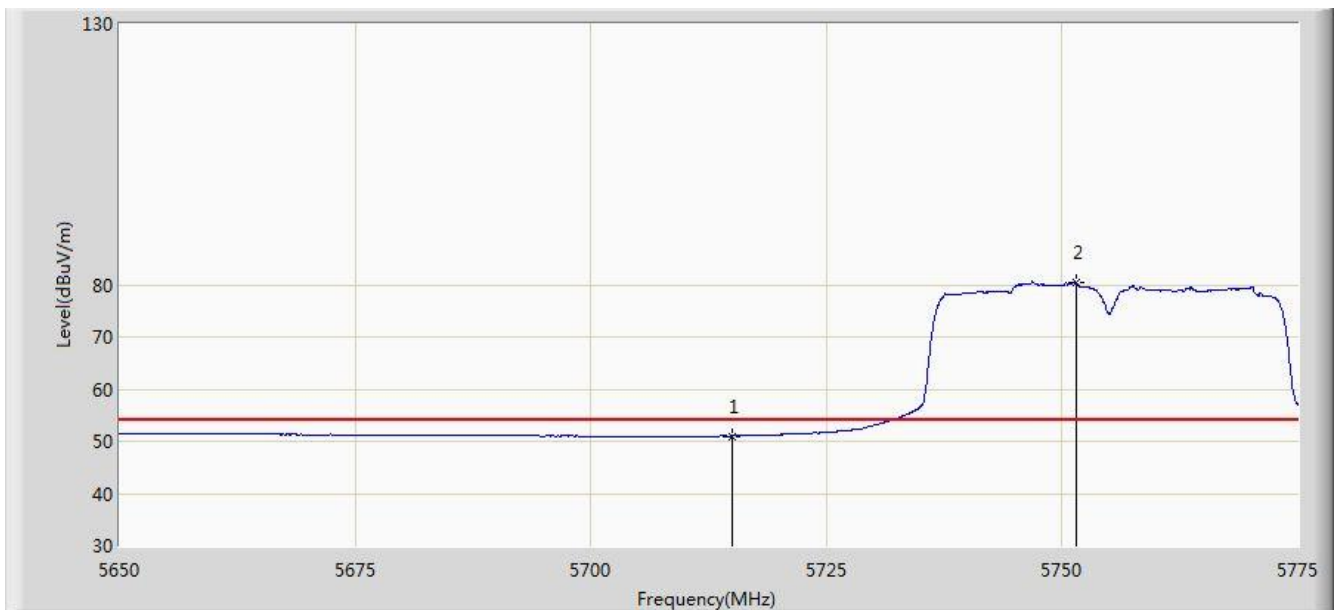


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	63.419	25.470	-10.581	74.000	37.949	PK
2			5725.000	64.416	26.426	-13.784	78.200	37.990	PK
3		*	5744.562	95.389	57.319	N/A	N/A	38.070	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5755MHz by 802.11n40 2TX	

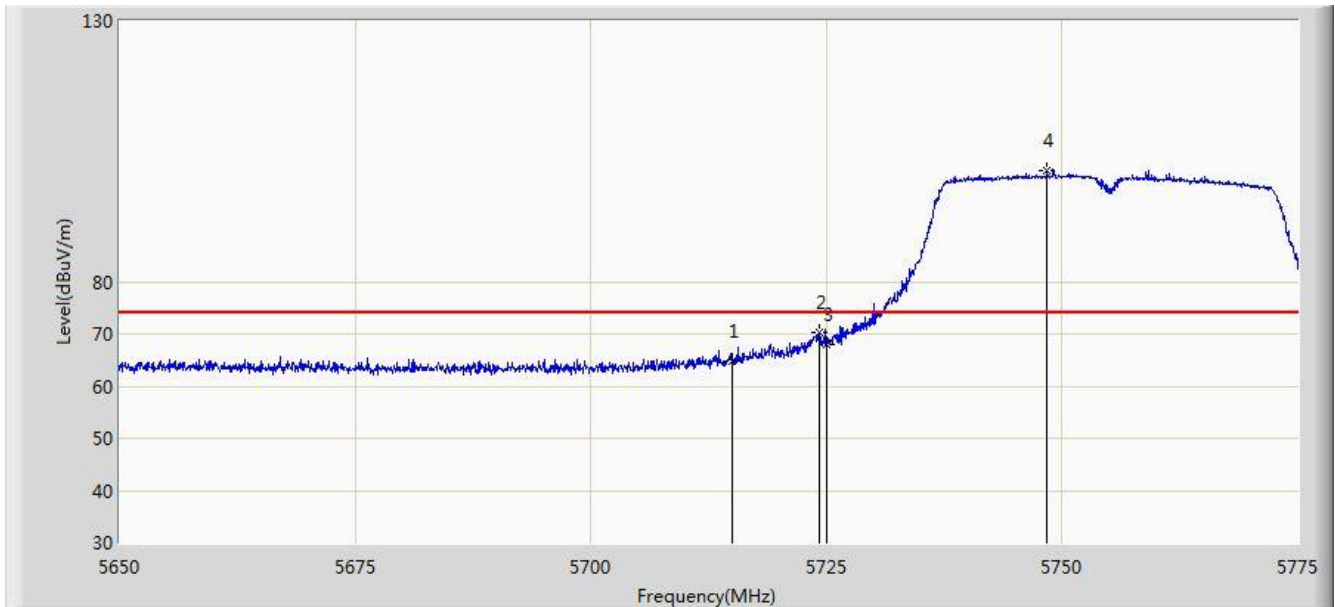


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.014	13.065	-2.986	54.000	37.949	AV
2		*	5751.437	80.340	42.237	N/A	N/A	38.102	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5755MHz by 802.11n40 2TX	

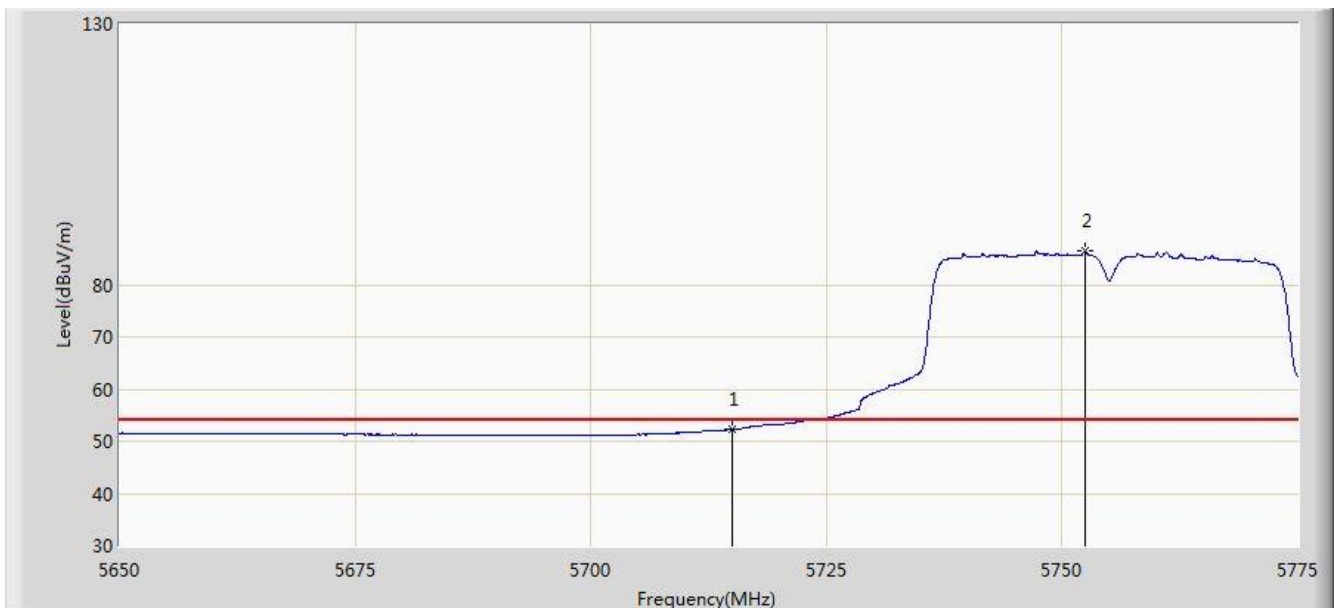


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	64.749	26.800	-9.251	74.000	37.949	PK
2			5724.312	70.274	32.287	-7.926	78.200	37.987	PK
3			5725.000	67.841	29.851	-10.359	78.200	37.990	PK
4		*	5748.375	101.284	63.196	N/A	N/A	38.088	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5755MHz by 802.11n40 2TX	

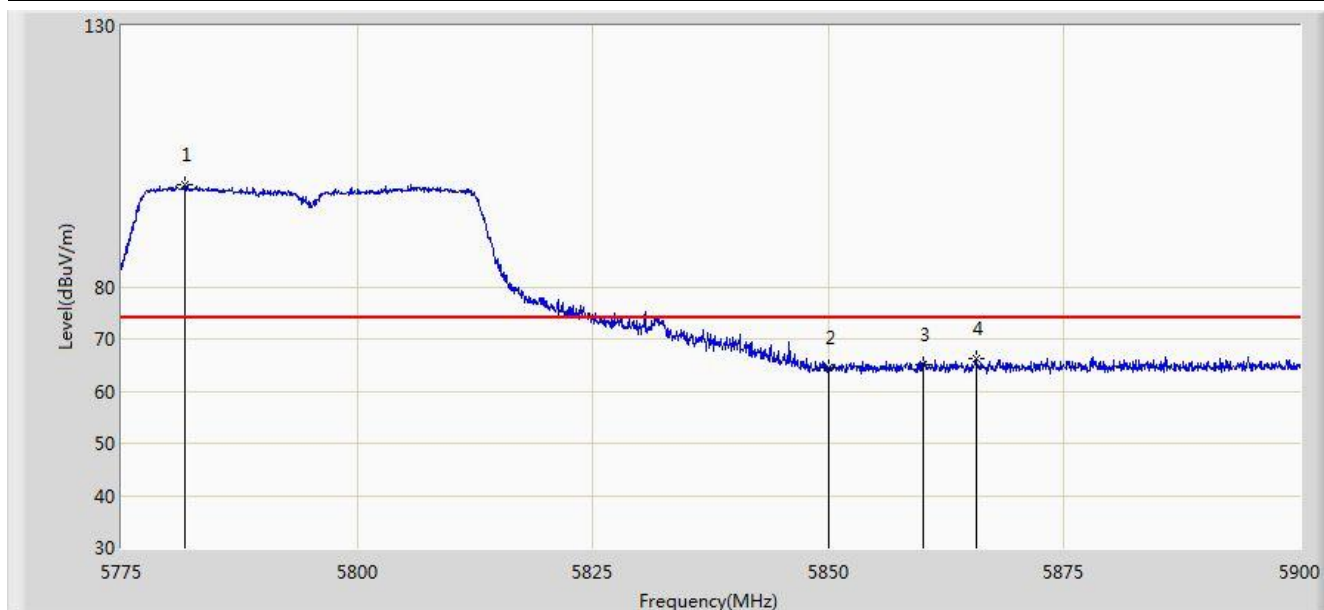


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	52.246	14.297	-1.754	54.000	37.949	AV
2		*	5752.375	86.427	48.320	N/A	N/A	38.108	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5795MHz by 802.11n40 2TX	

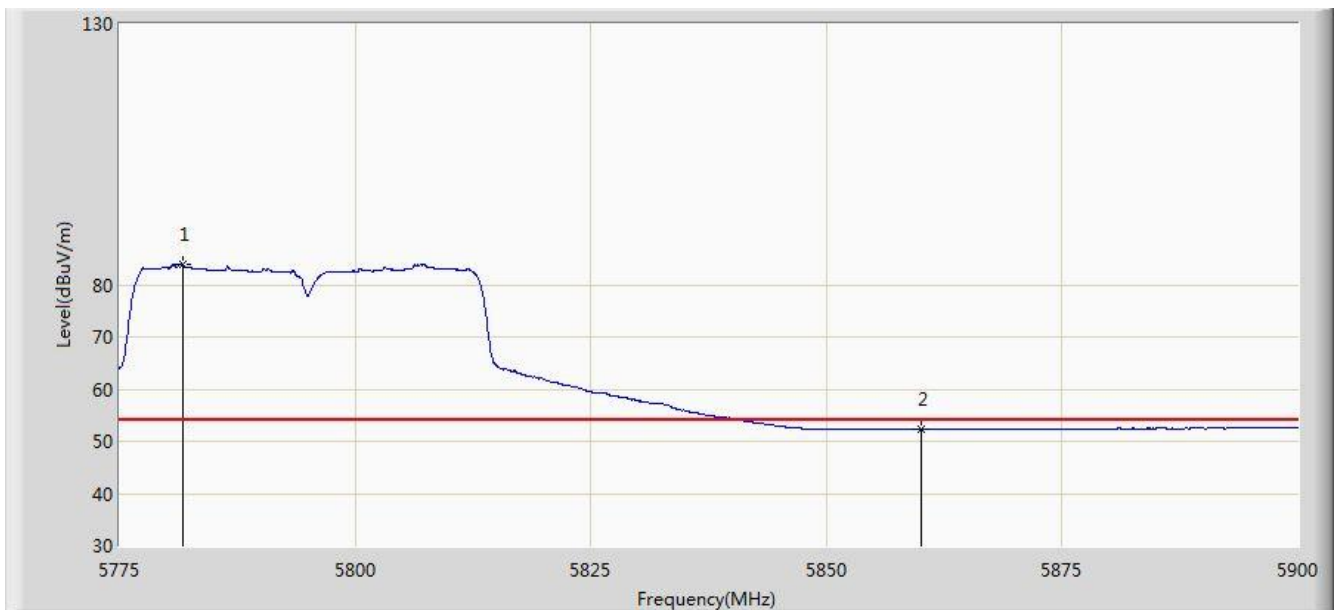


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5781.812	99.548	61.347	N/A	N/A	38.201	PK
2			5850.000	64.595	26.142	-13.605	78.200	38.454	PK
3			5860.000	65.076	26.598	-8.924	74.000	38.478	PK
4			5865.625	66.348	27.861	-7.652	74.000	38.486	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5795MHz by 802.11n40 2TX	

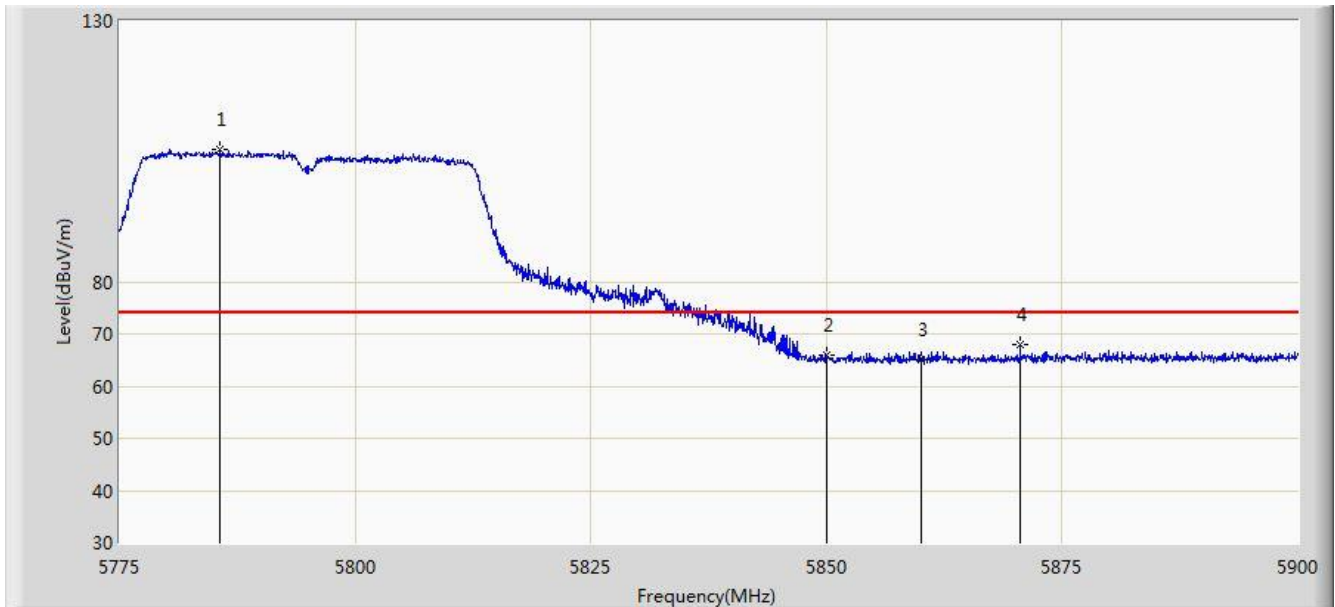


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5781.750	83.953	45.752	N/A	N/A	38.201	AV
2			5860.000	52.264	13.786	-1.736	54.000	38.478	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5795MHz by 802.11n40 2TX	

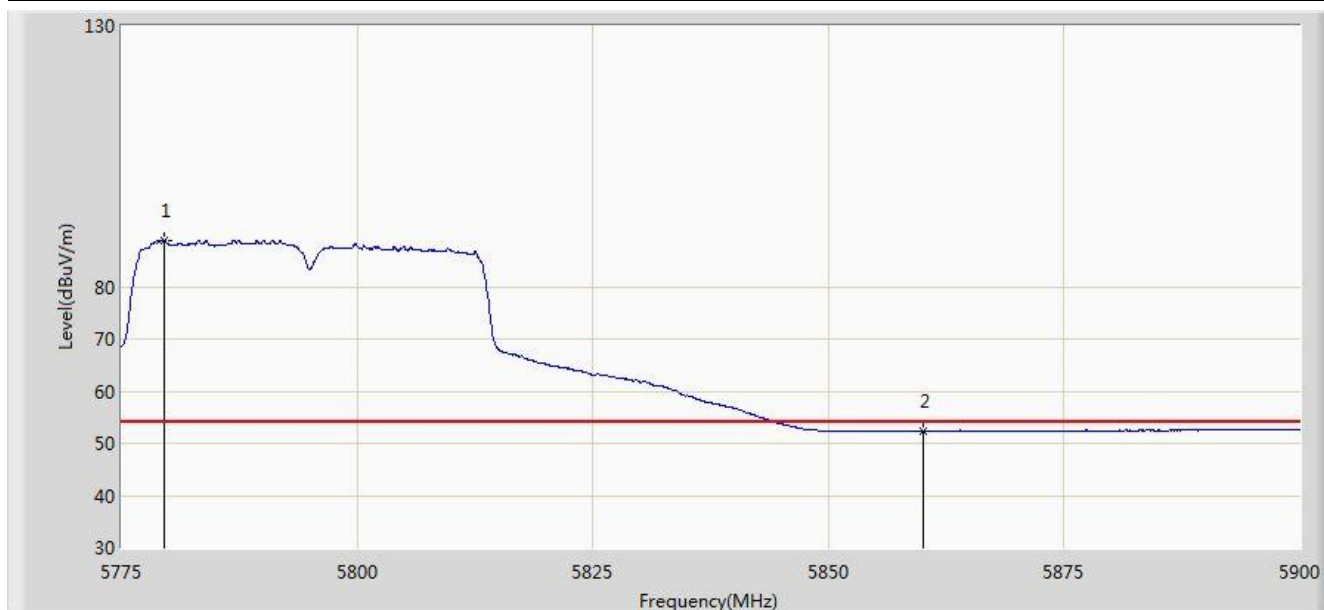


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5785.687	105.388	67.173	N/A	N/A	38.215	PK
2			5850.000	65.906	27.453	-12.294	78.200	38.454	PK
3			5860.000	65.134	26.656	-8.866	74.000	38.478	PK
4			5870.562	67.842	29.350	-6.158	74.000	38.493	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5795MHz by 802.11n40 2TX	

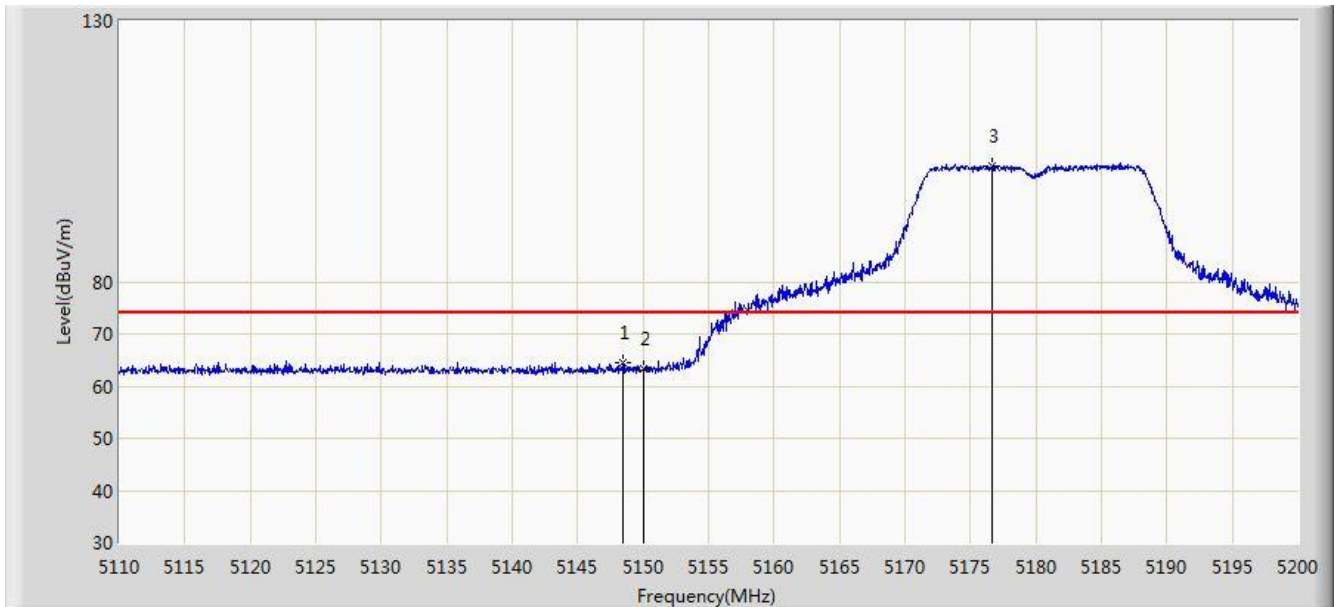


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5779.500	88.923	50.731	N/A	N/A	38.192	AV
2			5860.000	52.333	13.855	-1.667	54.000	38.478	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5180MHz by 802.11ac-VHT20 2TX	

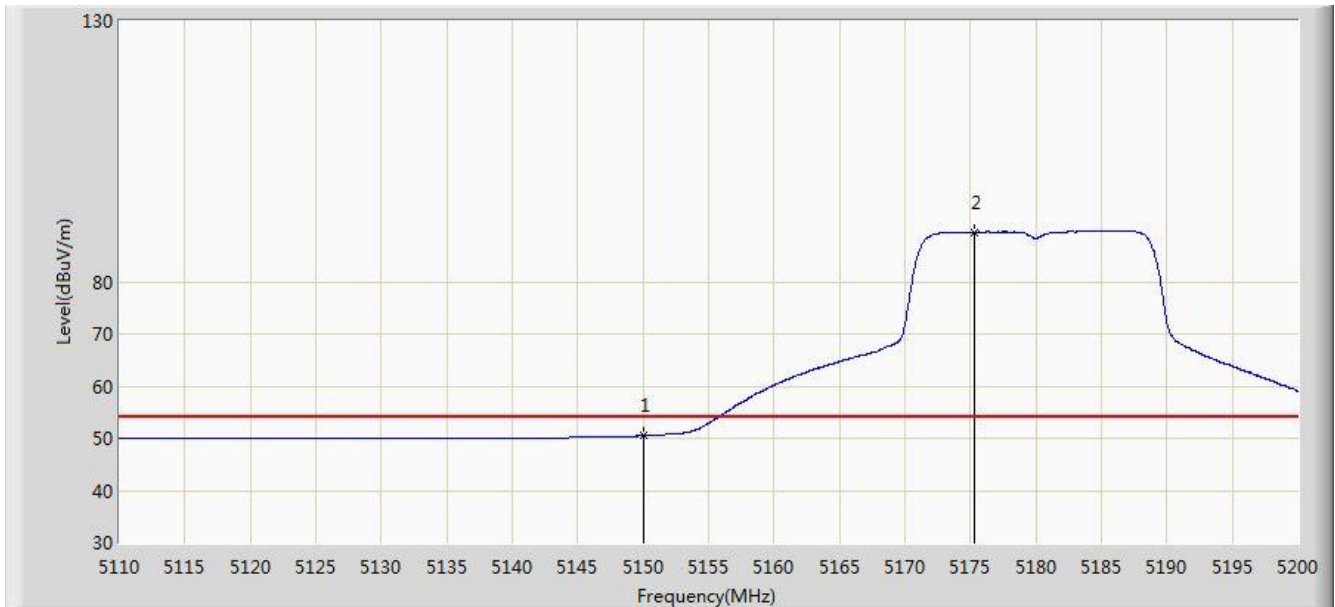


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.430	64.514	27.060	-9.486	74.000	37.454	PK
2			5150.000	63.265	25.813	-10.735	74.000	37.452	PK
3		*	5176.690	102.231	64.850	N/A	N/A	37.381	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5180MHz by 802.11ac-VHT20 2TX	

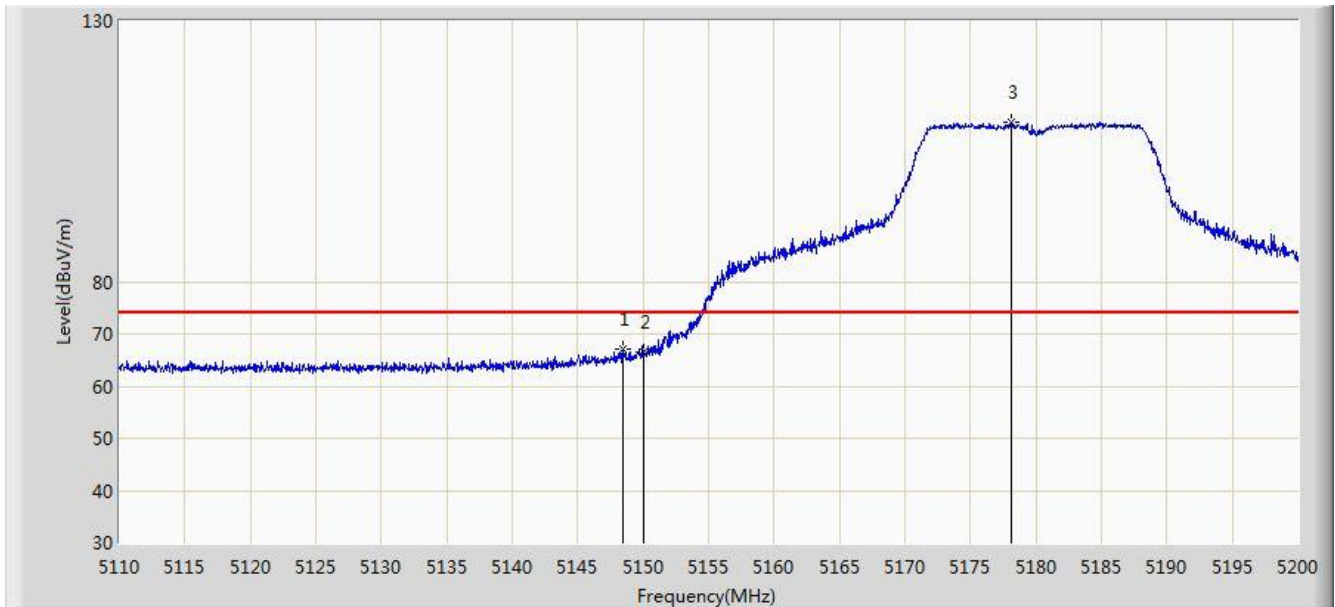


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.467	13.015	-3.533	54.000	37.452	AV
2		*	5175.340	89.525	52.141	N/A	N/A	37.384	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5180MHz by 802.11ac-VHT20 2TX	

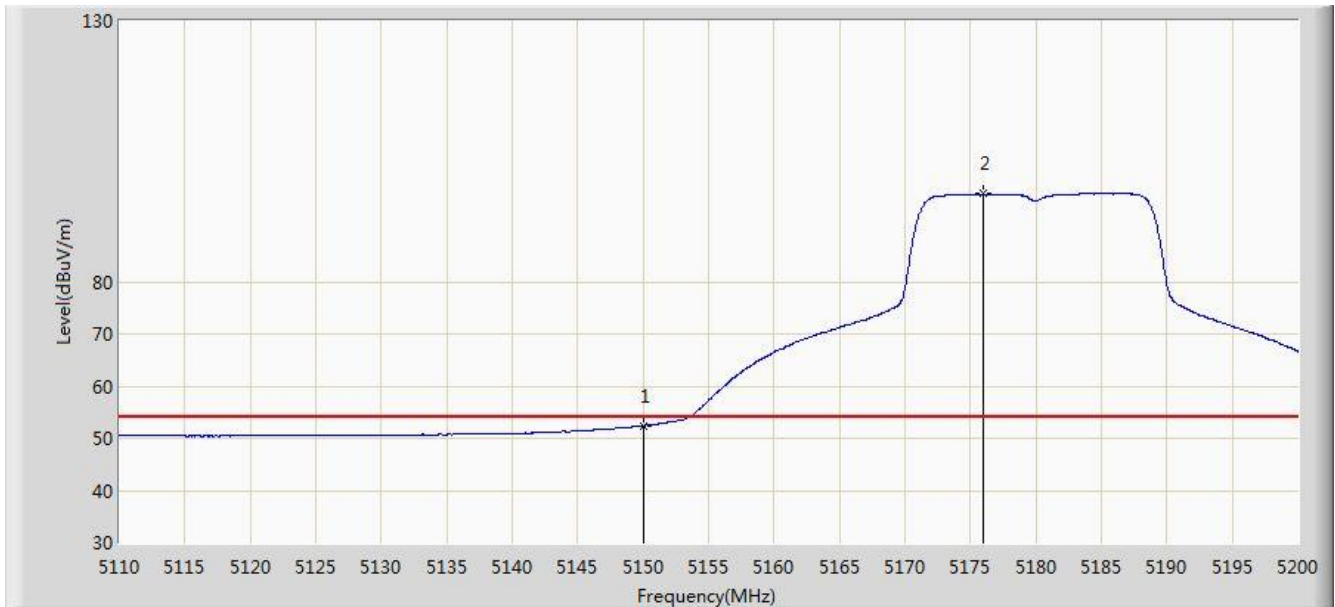


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.475	67.016	29.562	-6.984	74.000	37.454	PK
2			5150.000	66.566	29.114	-7.434	74.000	37.452	PK
3		*	5178.085	110.642	73.264	N/A	N/A	37.378	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5180MHz by 802.11ac-VHT20 2TX	

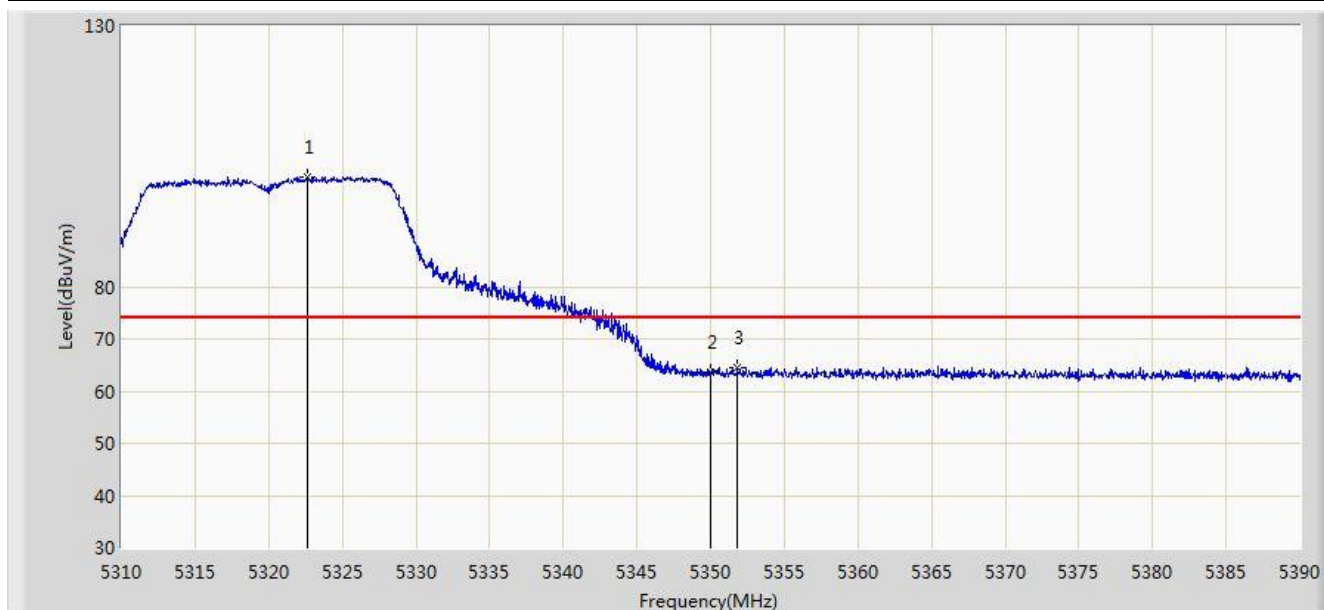


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.438	14.986	-1.562	54.000	37.452	AV
2		*	5175.925	96.929	59.546	N/A	N/A	37.383	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5320MHz by 802.11ac-VHT20 2TX	

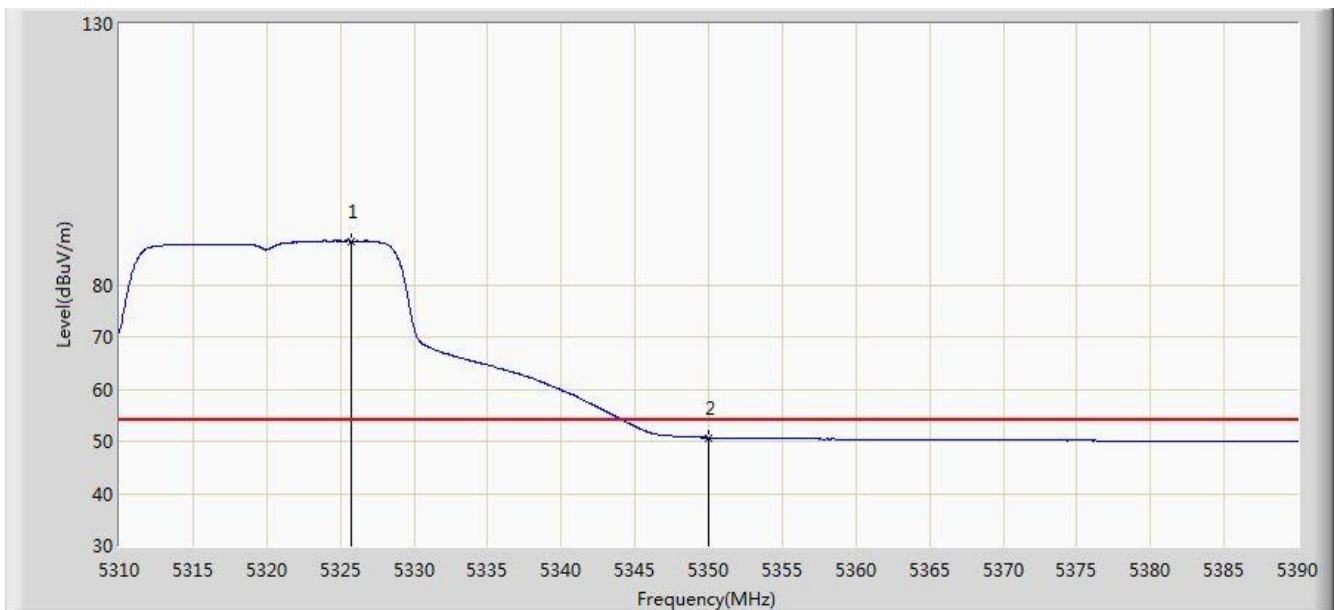


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.600	101.060	63.842	N/A	N/A	37.218	PK
2			5350.000	63.653	26.367	-10.347	74.000	37.286	PK
3			5351.840	64.575	27.283	-9.425	74.000	37.292	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5320MHz by 802.11ac-VHT20 2TX	

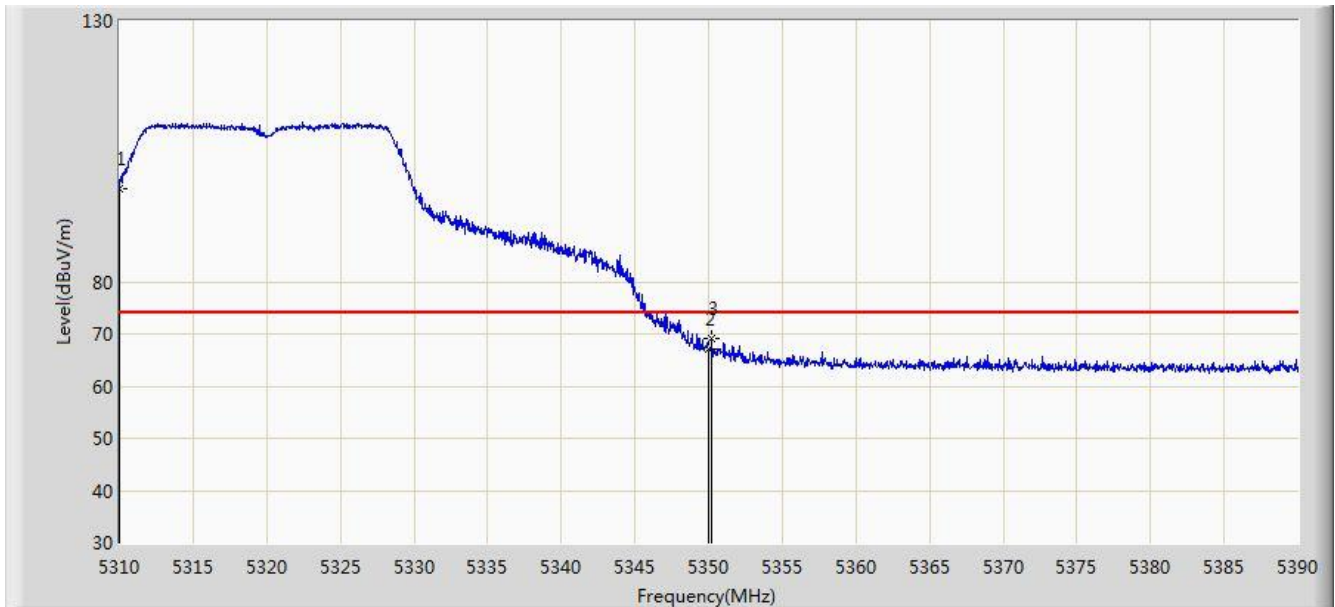


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5325.760	88.383	51.159	N/A	N/A	37.224	AV
2			5350.000	50.669	13.383	-3.331	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5320MHz by 802.11ac-VHT20 2TX	

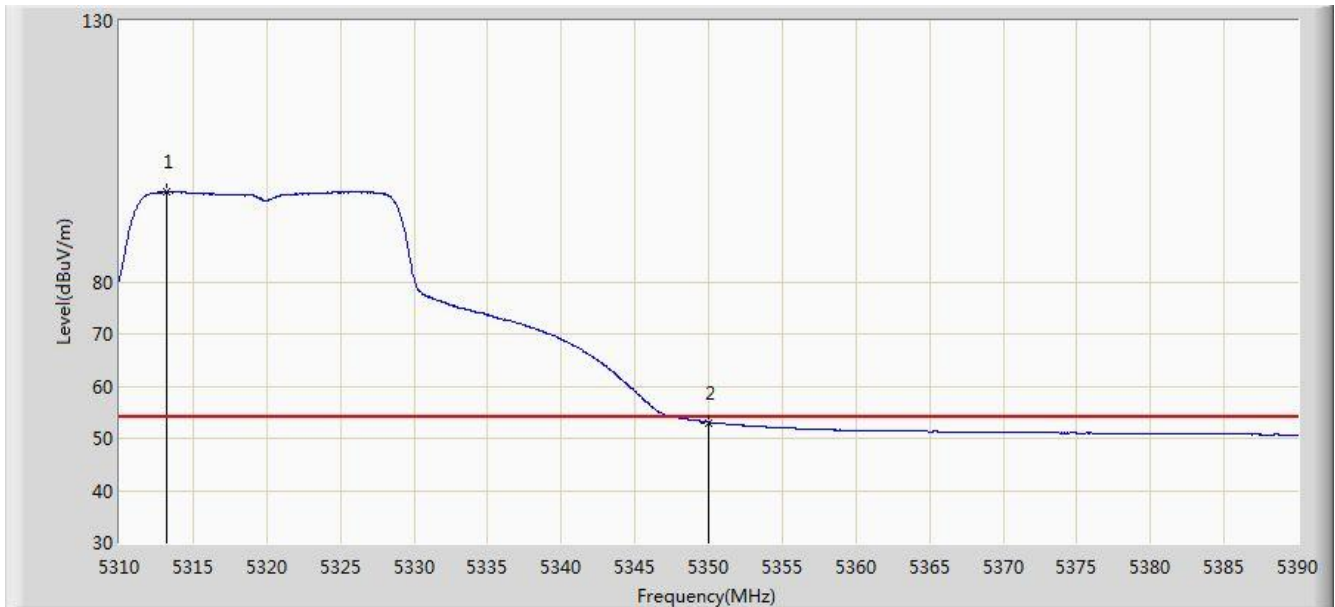


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5310.000	97.896	60.698	N/A	N/A	37.198	PK
2			5350.000	67.171	29.885	-6.829	74.000	37.286	PK
3			5350.200	69.035	31.748	-4.965	74.000	37.287	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5320MHz by 802.11ac-VHT20 2TX	

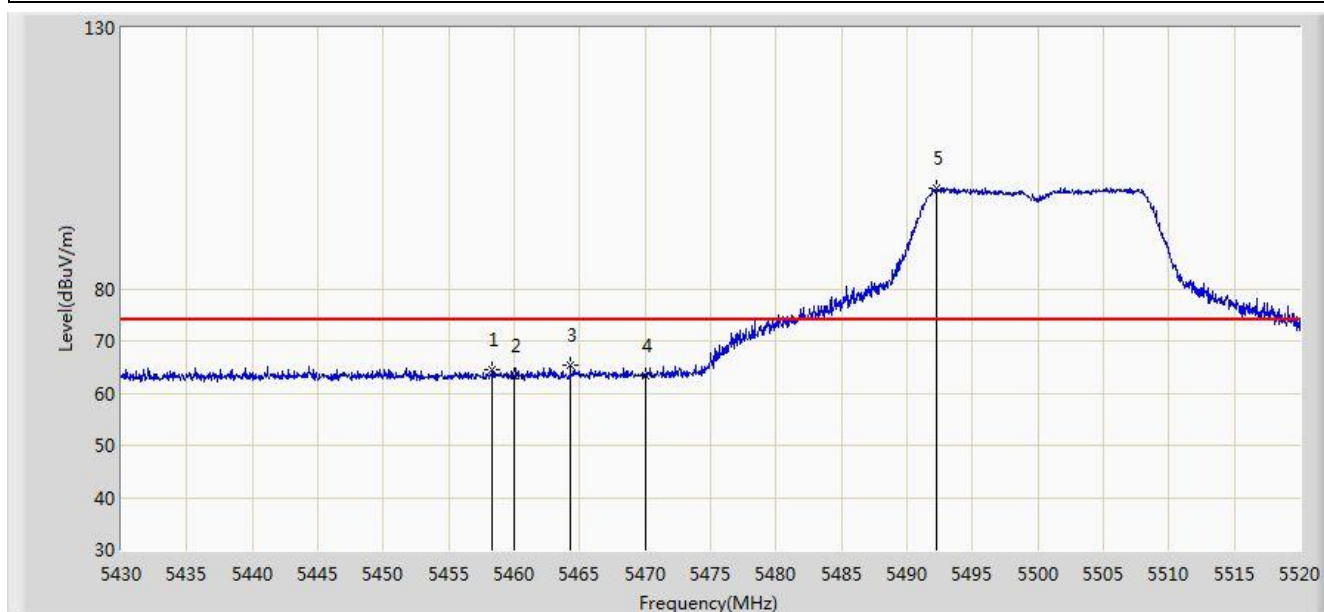


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5313.240	97.236	60.035	N/A	N/A	37.202	AV
2			5350.000	53.037	15.751	-0.963	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5500MHz by 802.11ac-VHT20 2TX	

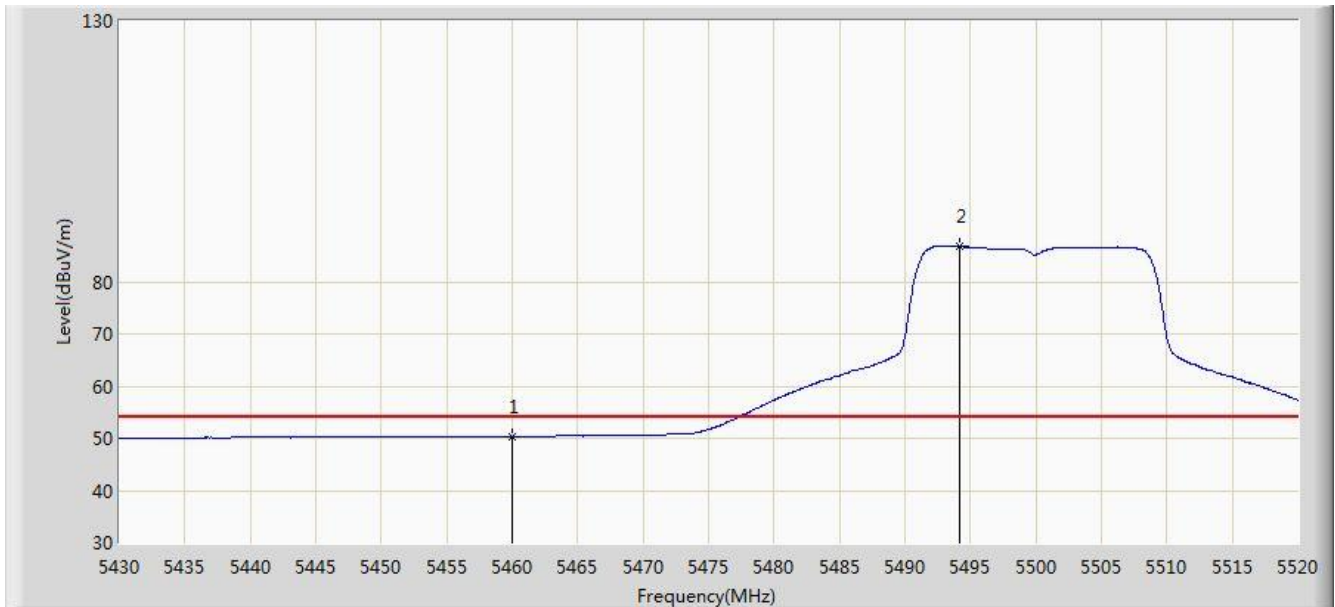


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5458.305	64.631	27.073	-9.369	74.000	37.558	PK
2			5460.000	63.263	25.700	-10.737	74.000	37.563	PK
3			5464.290	65.351	27.777	-8.649	74.000	37.573	PK
4			5470.000	63.240	25.651	-10.760	74.000	37.588	PK
5		*	5492.235	99.323	61.707	N/A	N/A	37.616	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5500MHz by 802.11ac-VHT20 2TX	

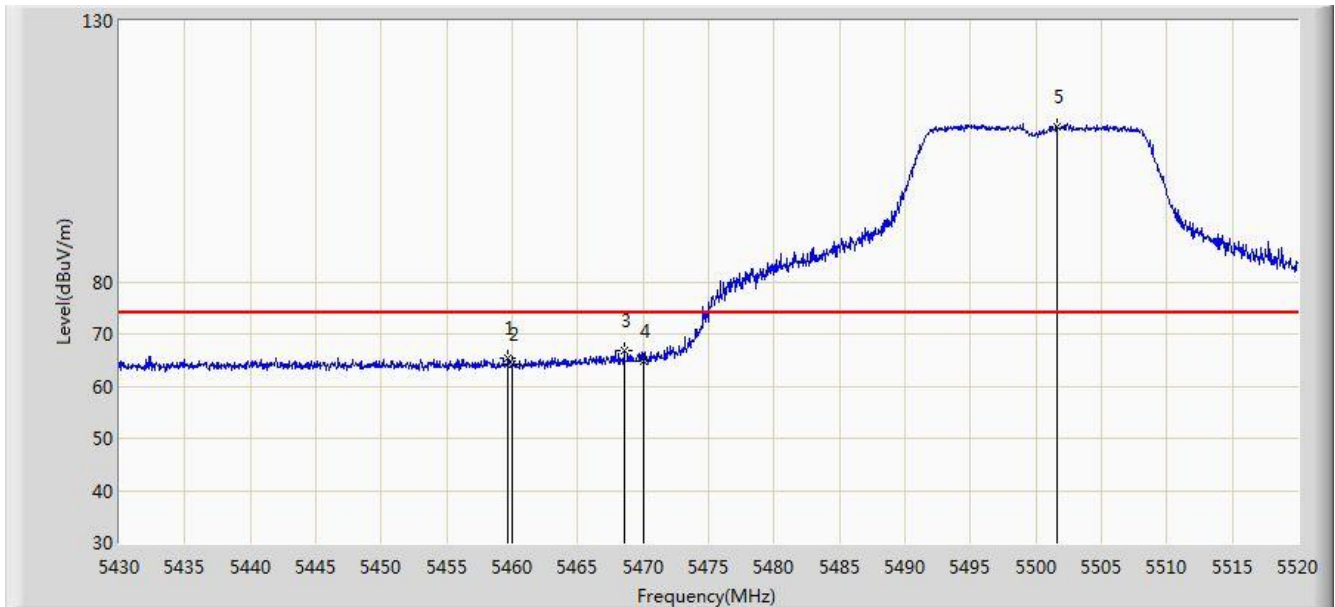


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.372	12.809	-3.628	54.000	37.563	AV
2		*	5494.215	86.708	49.090	N/A	N/A	37.618	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5500MHz by 802.11ac-VHT20 2TX	

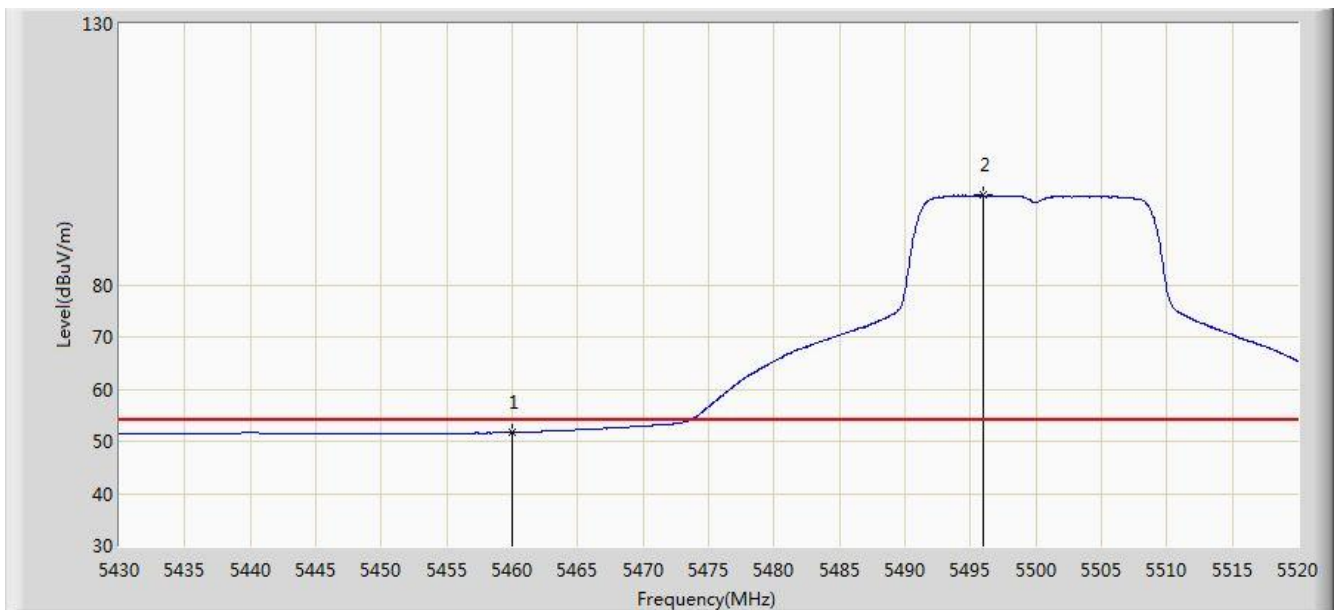


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5459.700	65.328	27.766	-8.672	74.000	37.562	PK
2			5460.000	64.103	26.540	-9.897	74.000	37.563	PK
3			5468.520	66.814	29.229	-7.186	74.000	37.585	PK
4			5470.000	64.841	27.252	-9.159	74.000	37.588	PK
5		*	5501.640	109.713	72.087	N/A	N/A	37.626	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5500MHz by 802.11ac-VHT20 2TX	

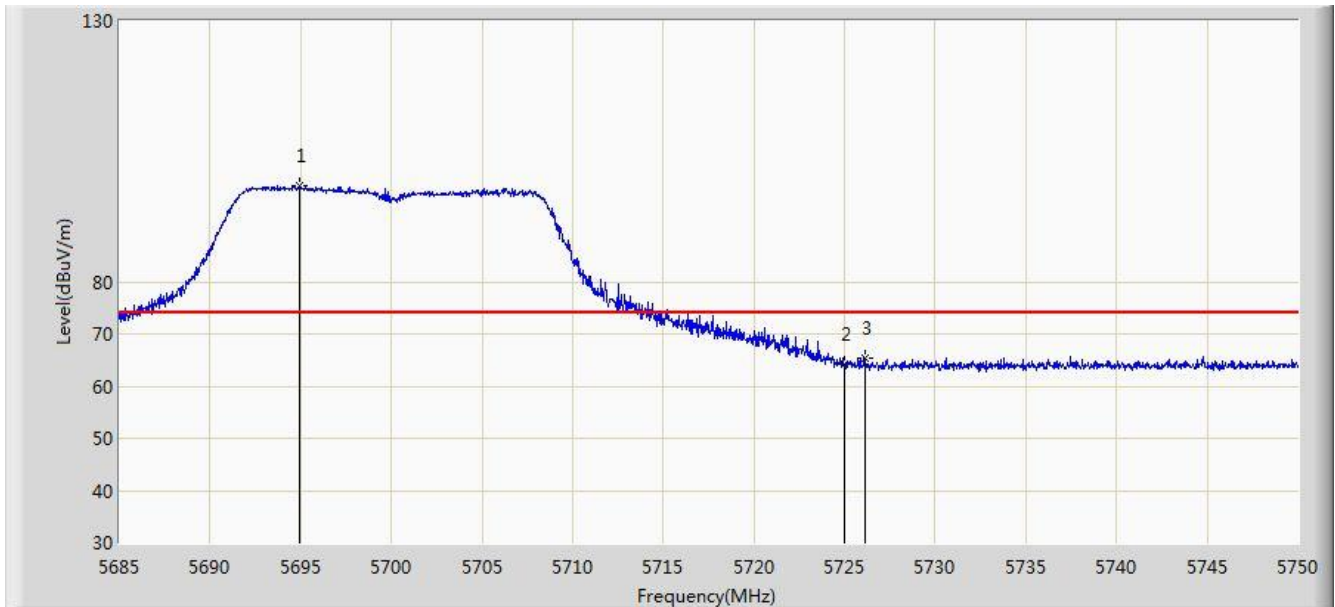


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	51.712	14.149	-2.288	54.000	37.563	AV
2		*	5495.925	97.278	59.658	N/A	N/A	37.620	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5700MHz by 802.11ac-VHT20 2TX	

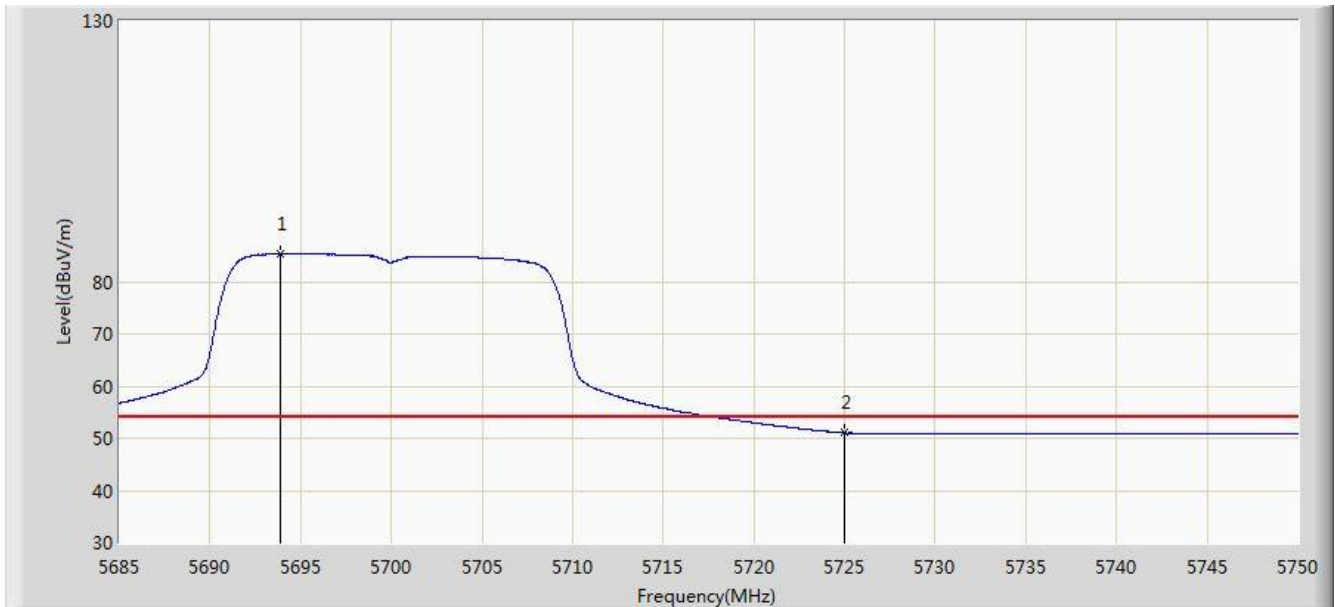


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5694.978	98.540	60.660	N/A	N/A	37.879	PK
2			5725.000	64.060	26.070	-9.940	74.000	37.990	PK
3			5726.145	65.355	27.361	-8.645	74.000	37.994	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5700MHz by 802.11ac-VHT20 2TX	

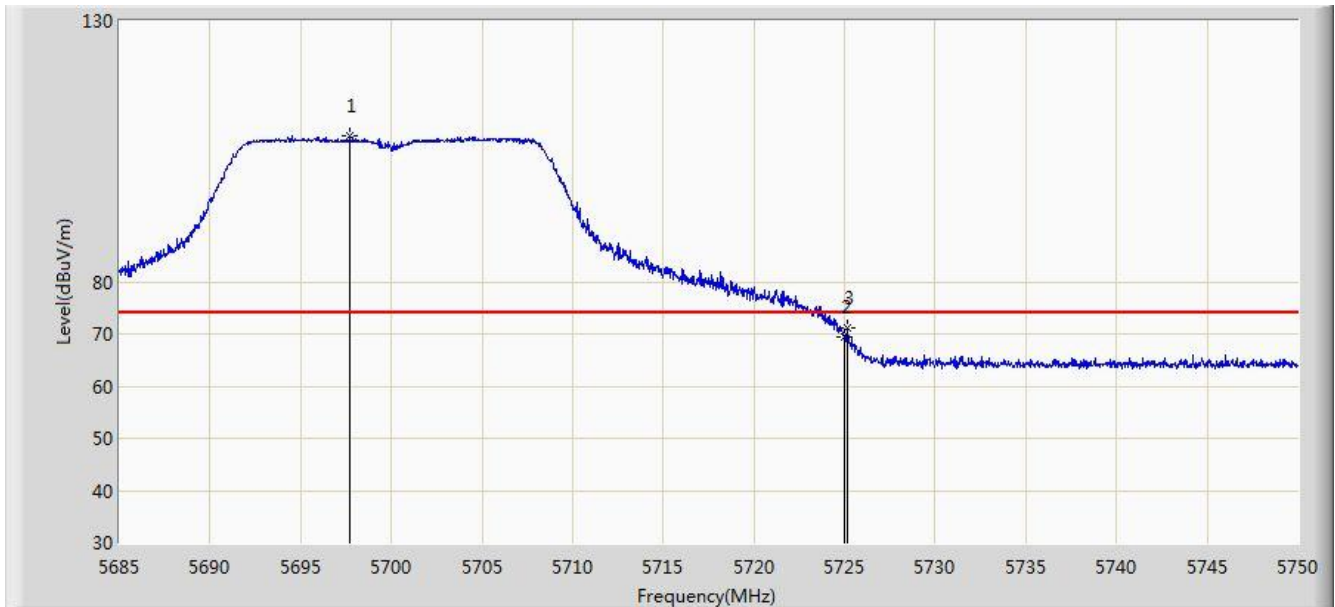


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5693.873	85.438	47.561	N/A	N/A	37.877	AV
2			5725.000	51.040	13.050	-2.960	54.000	37.990	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5700MHz by 802.11ac-VHT20 2TX	

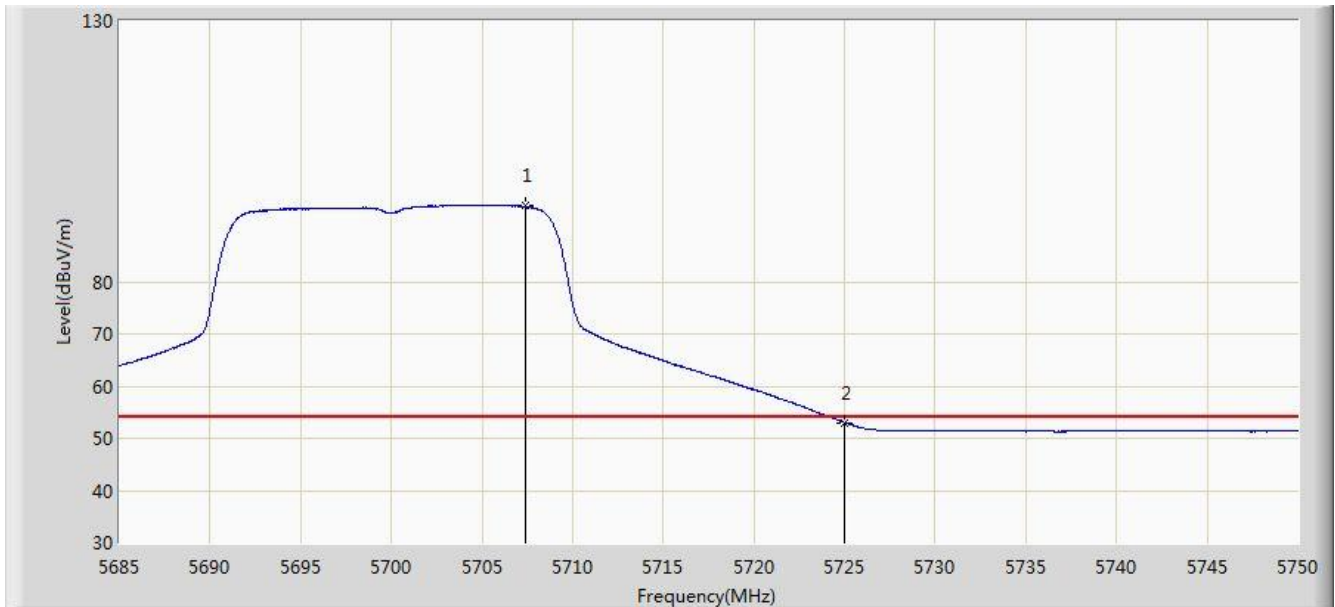


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5697.708	107.957	70.071	N/A	N/A	37.887	PK
2			5725.000	69.390	31.400	-4.610	74.000	37.990	PK
3			5725.170	71.295	33.305	-2.705	74.000	37.991	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 01:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5700MHz by 802.11ac-VHT20 2TX	

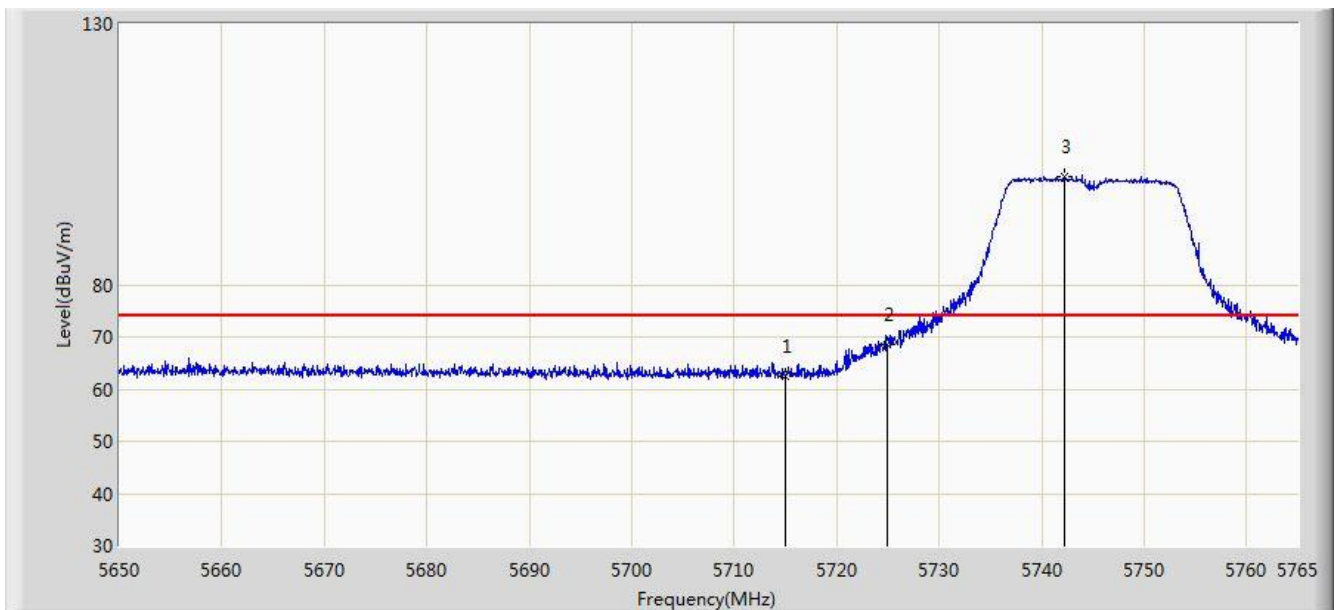


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5707.425	94.497	56.579	N/A	N/A	37.918	AV
2			5725.000	52.995	15.005	-1.005	54.000	37.990	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5745MHz by 802.11ac20 2TX	

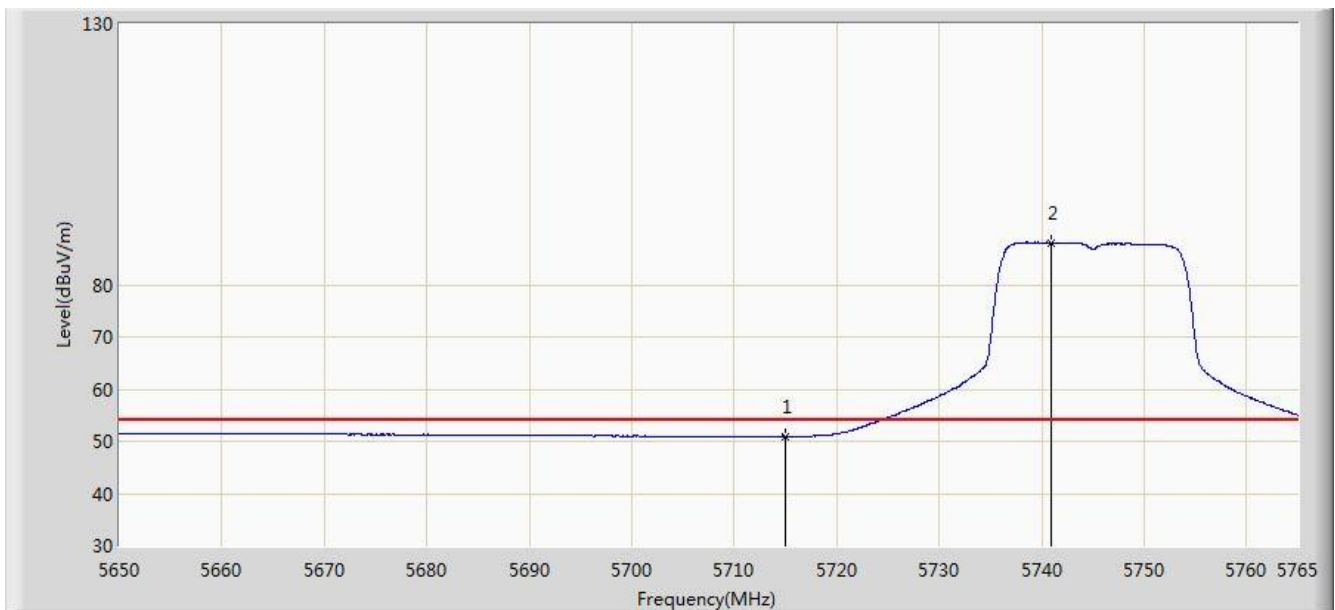


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	62.520	24.571	-11.480	74.000	37.949	PK
2			5725.000	68.637	30.647	-9.563	78.200	37.990	PK
3		*	5742.172	100.684	62.625	N/A	N/A	38.059	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5745MHz by 802.11ac20 2TX	

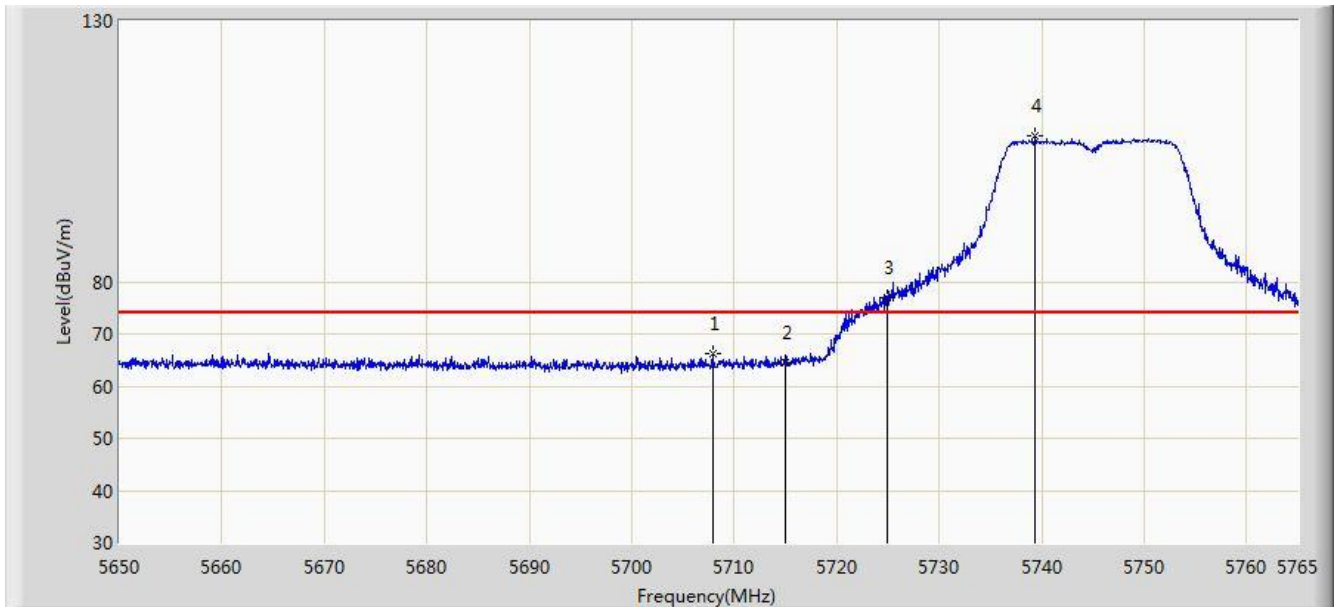


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	50.955	13.006	-3.045	54.000	37.949	AV
2		*	5740.965	88.053	49.998	N/A	N/A	38.054	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5745MHz by 802.11ac20 2TX	

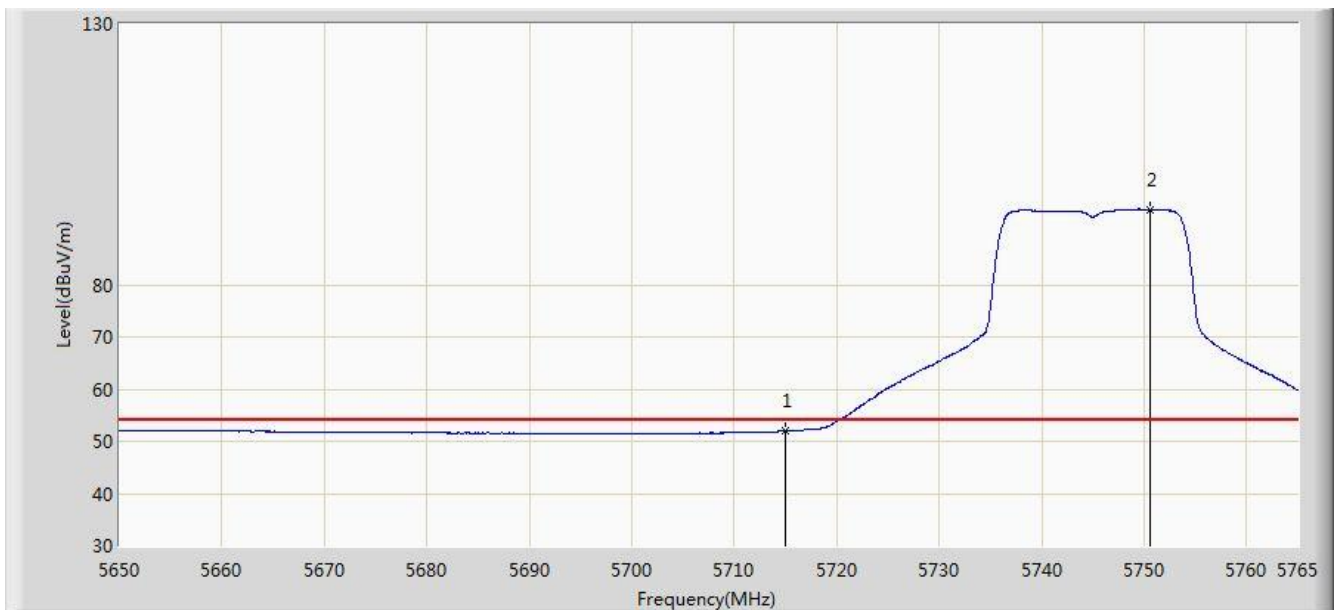


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5707.902	66.254	28.334	-7.746	74.000	37.920	PK
2			5715.000	64.559	26.610	-9.441	74.000	37.949	PK
3			5725.000	76.854	38.864	-1.346	78.200	37.990	PK
4		*	5739.413	107.846	69.797	N/A	N/A	38.049	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5745MHz by 802.11ac20 2TX	

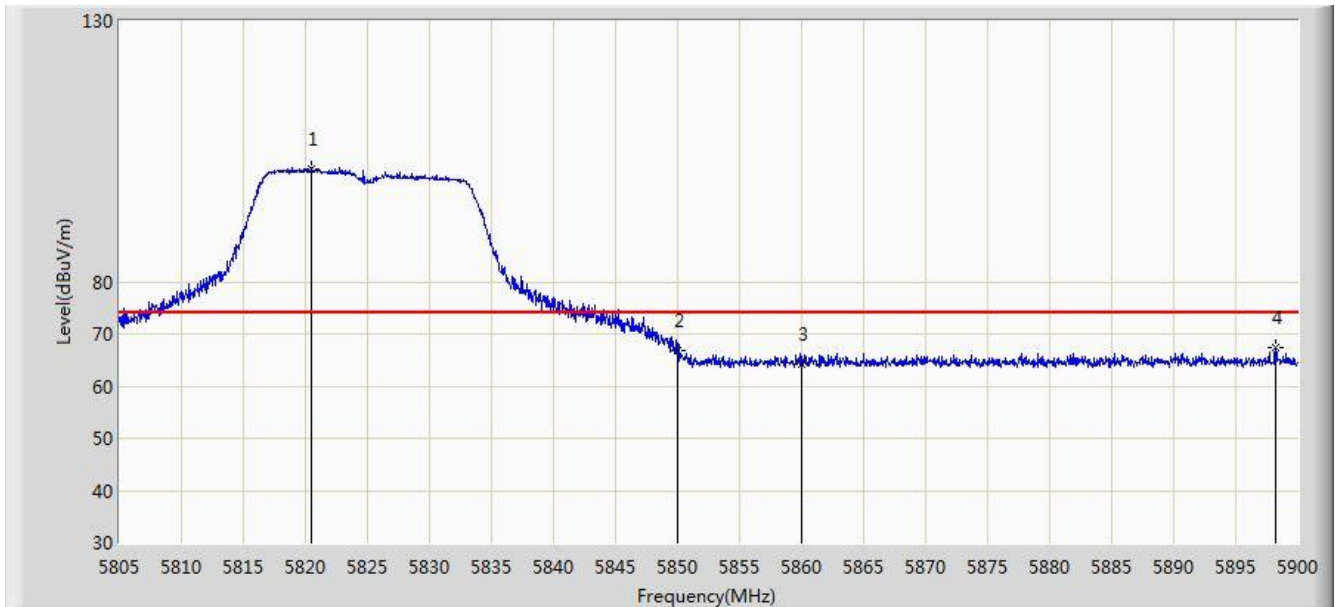


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	52.014	14.065	-1.986	54.000	37.949	AV
2		*	5750.567	94.444	56.345	N/A	N/A	38.098	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5825MHz by 802.11ac20 2TX	

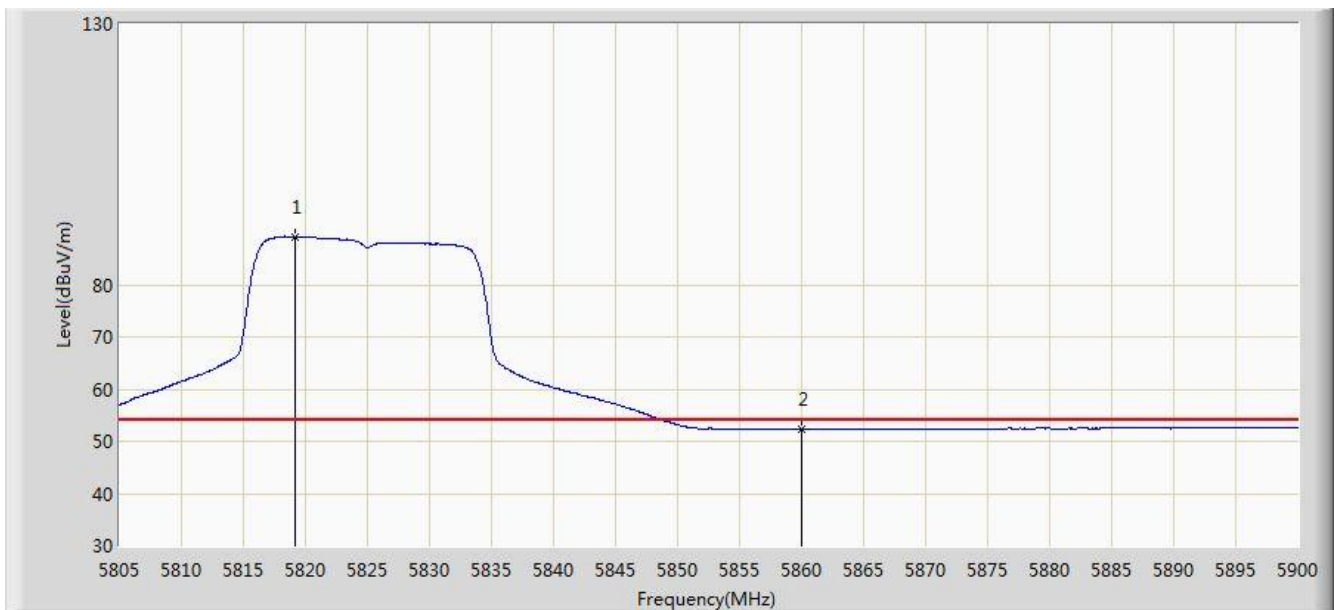


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.533	101.675	63.338	N/A	N/A	38.337	PK
2			5850.000	66.884	28.431	-11.316	78.200	38.454	PK
3			5860.000	64.301	25.823	-9.699	74.000	38.478	PK
4			5898.195	67.485	28.967	-6.515	74.000	38.517	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5825MHz by 802.11ac20 2TX	

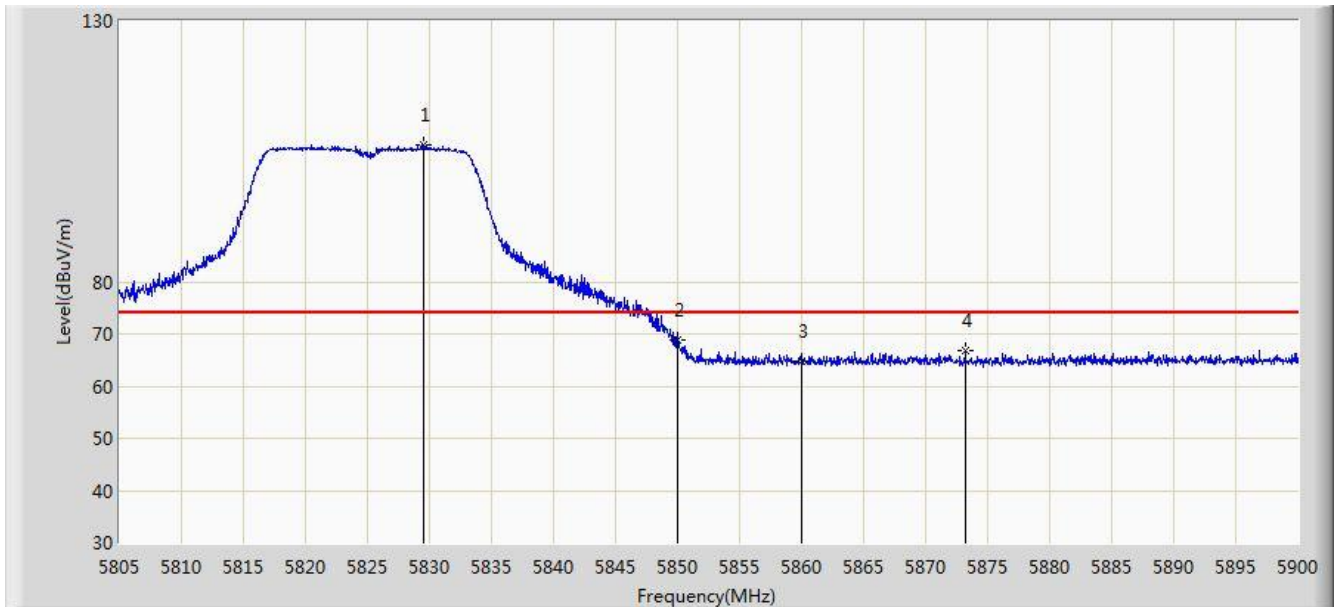


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.155	89.253	50.922	N/A	N/A	38.331	AV
2			5860.000	52.377	13.899	-1.623	54.000	38.478	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5825MHz by 802.11ac20 2TX	

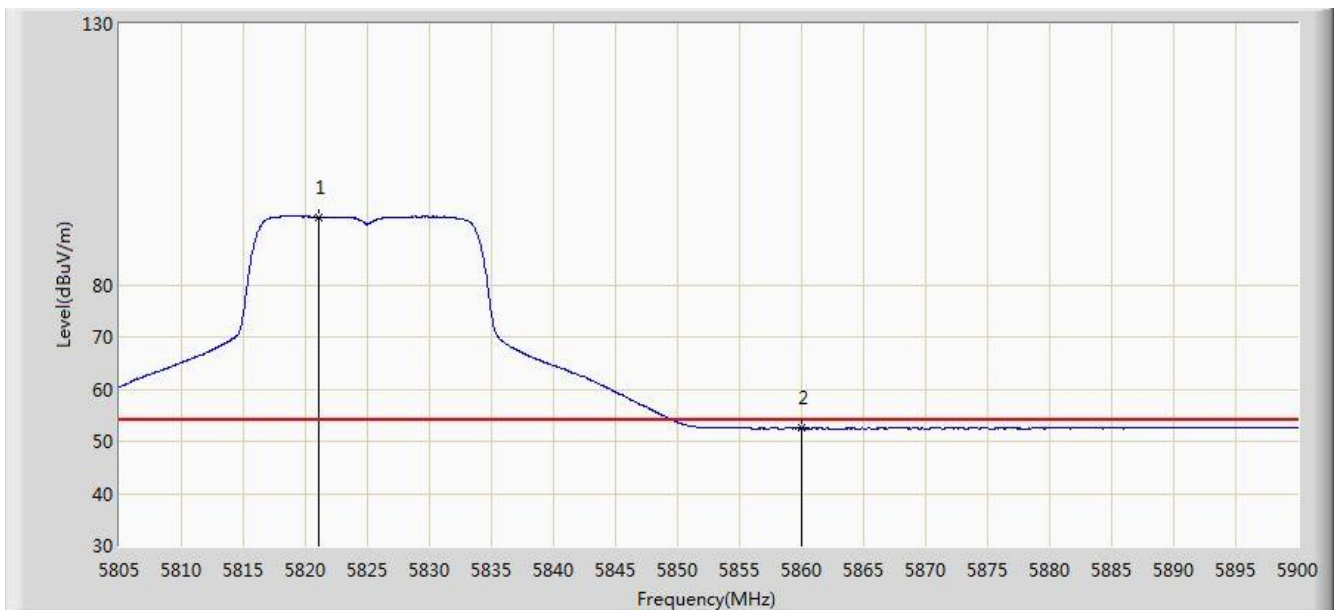


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5829.558	106.312	67.937	N/A	N/A	38.374	PK
2			5850.000	68.837	30.384	-9.363	78.200	38.454	PK
3			5860.000	64.751	26.273	-9.249	74.000	38.478	PK
4			5873.210	66.818	28.323	-7.182	74.000	38.495	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 02:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5825MHz by 802.11ac20 2TX	

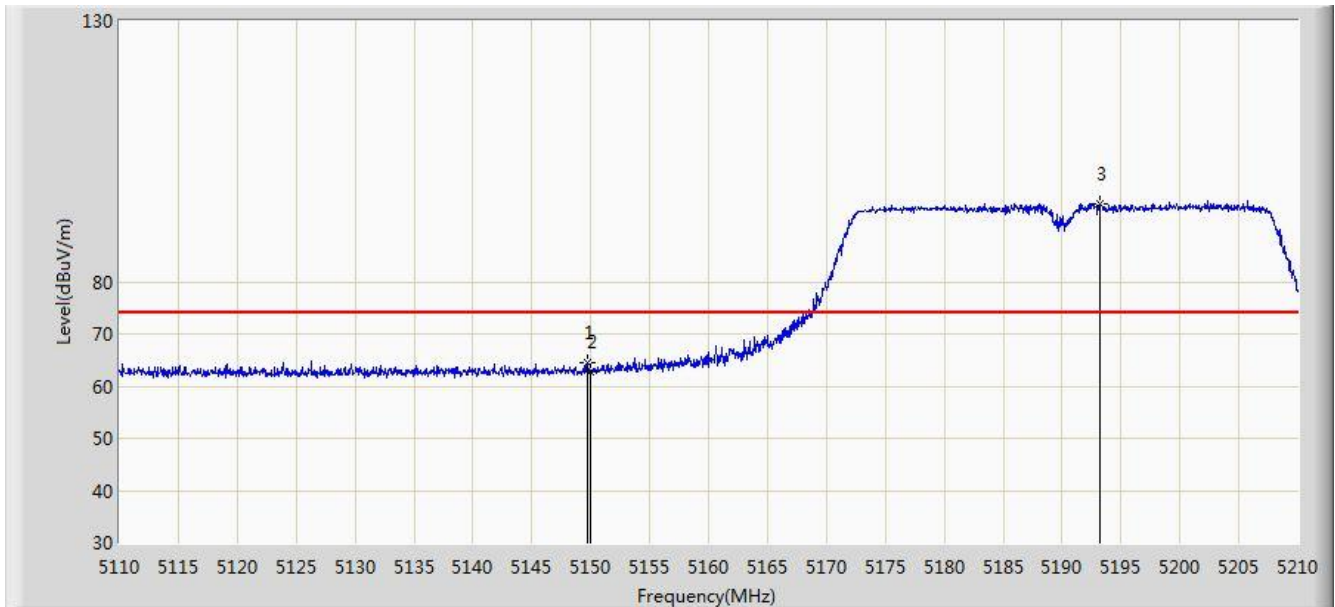


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.055	93.034	54.695	N/A	N/A	38.340	AV
2			5860.000	52.509	14.031	-1.491	54.000	38.478	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 02:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5190MHz by 802.11ac-VHT40 2TX	

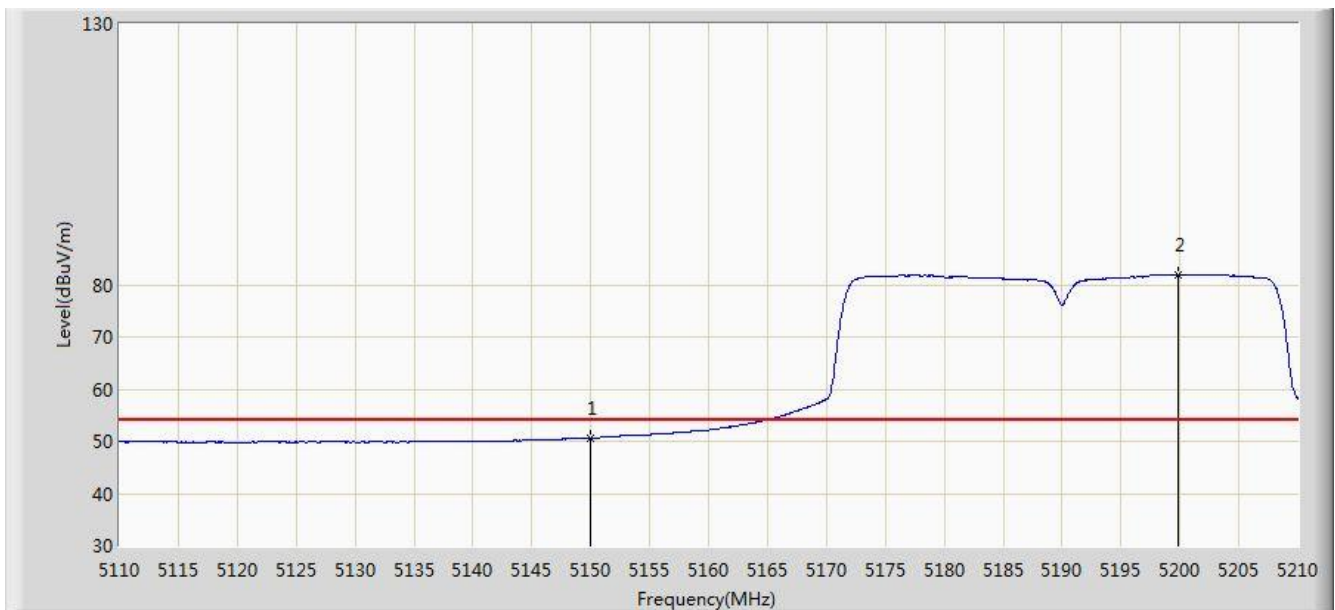


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.700	64.487	27.035	-9.513	74.000	37.452	PK
2			5150.000	62.814	25.362	-11.186	74.000	37.452	PK
3		*	5193.200	94.928	57.587	N/A	N/A	37.341	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 02:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5190MHz by 802.11ac-VHT40 2TX	

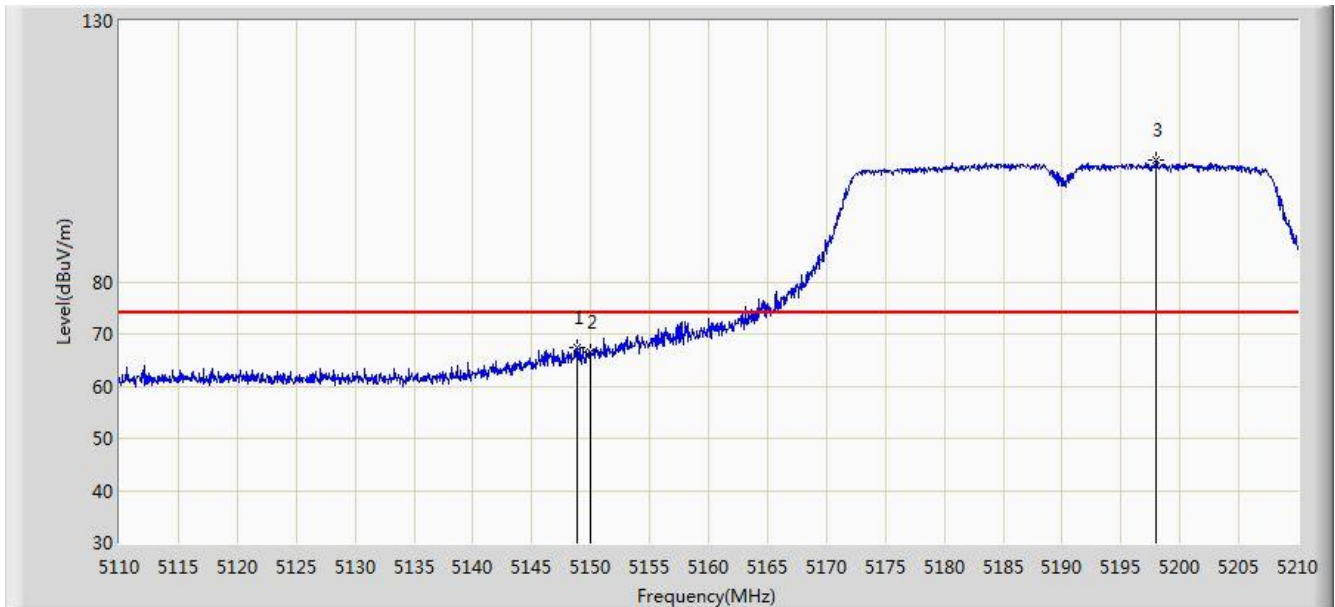


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.655	13.203	-3.345	54.000	37.452	AV
2		*	5199.850	81.797	44.472	N/A	N/A	37.325	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 02:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5190MHz by 802.11ac-VHT40 2TX	

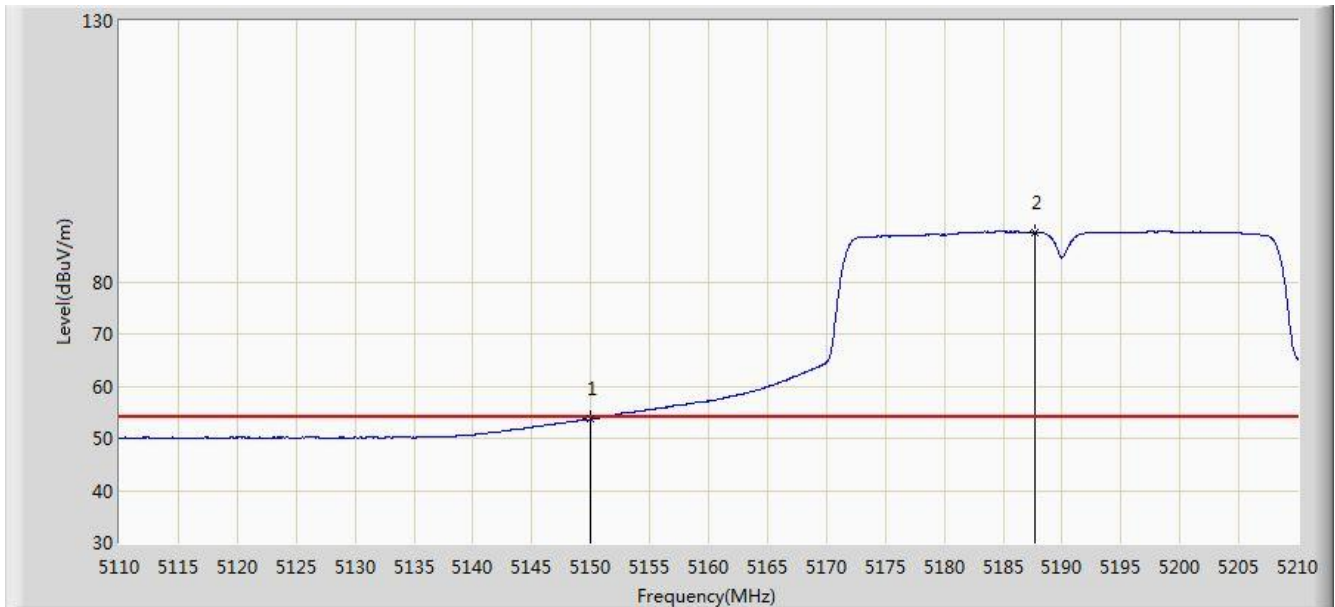


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.800	67.500	30.046	-6.500	74.000	37.454	PK
2			5150.000	66.535	29.083	-7.465	74.000	37.452	PK
3		*	5197.950	103.287	65.957	N/A	N/A	37.330	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 02:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5190MHz by 802.11ac-VHT40 2TX	

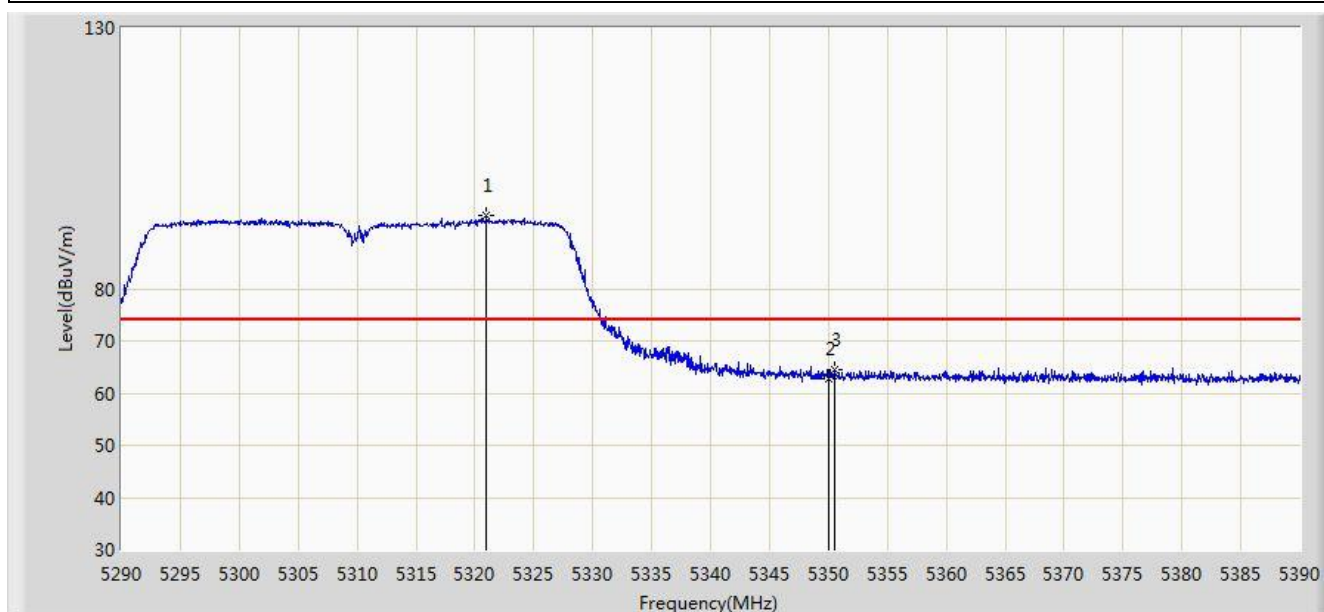


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.632	16.180	-0.368	54.000	37.452	AV
2		*	5187.700	89.529	52.174	N/A	N/A	37.355	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 02:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5310MHz by 802.11ac-VHT40 2TX	

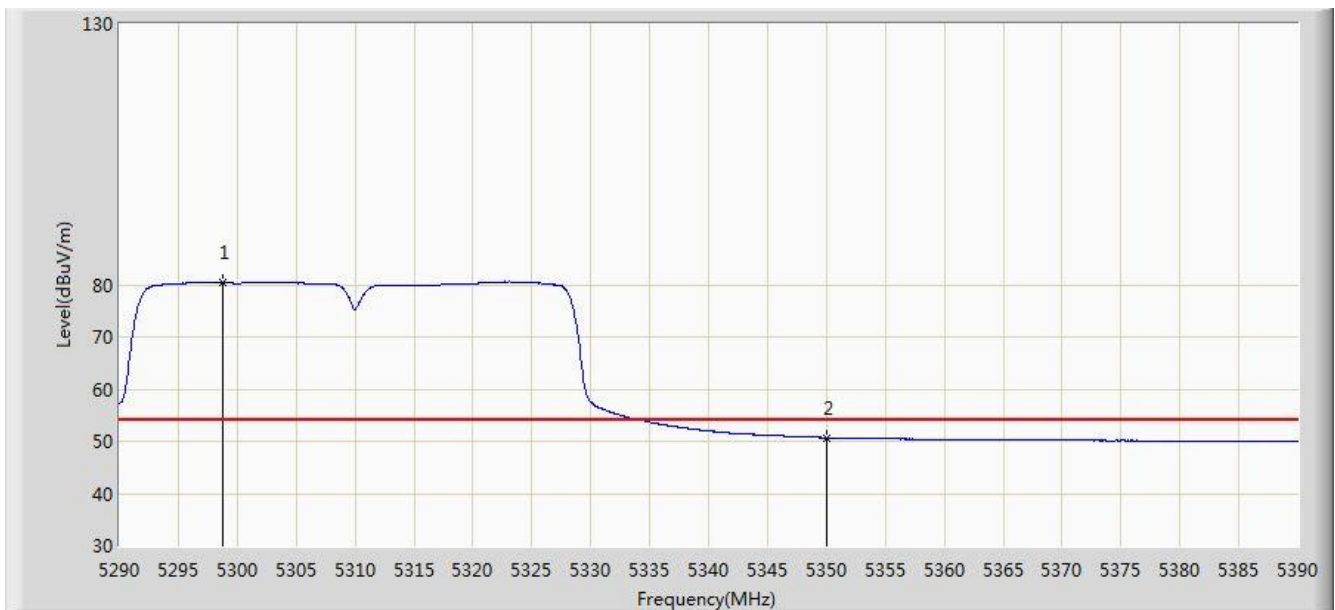


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.000	93.947	56.732	N/A	N/A	37.216	PK
2			5350.000	62.684	25.398	-11.316	74.000	37.286	PK
3			5350.500	64.504	27.216	-9.496	74.000	37.288	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 02:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5310MHz by 802.11ac-VHT40 2TX	

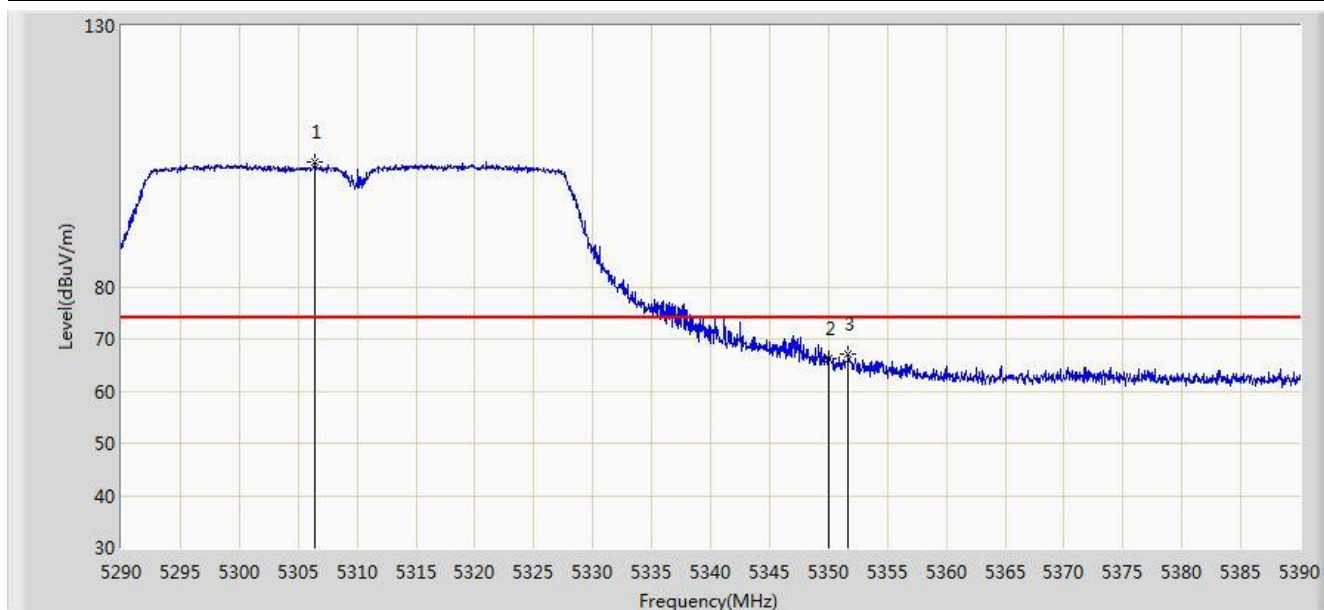


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5298.800	80.479	43.295	N/A	N/A	37.183	AV
2			5350.000	50.663	13.377	-3.337	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 02:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5310MHz by 802.11ac-VHT40 2TX	

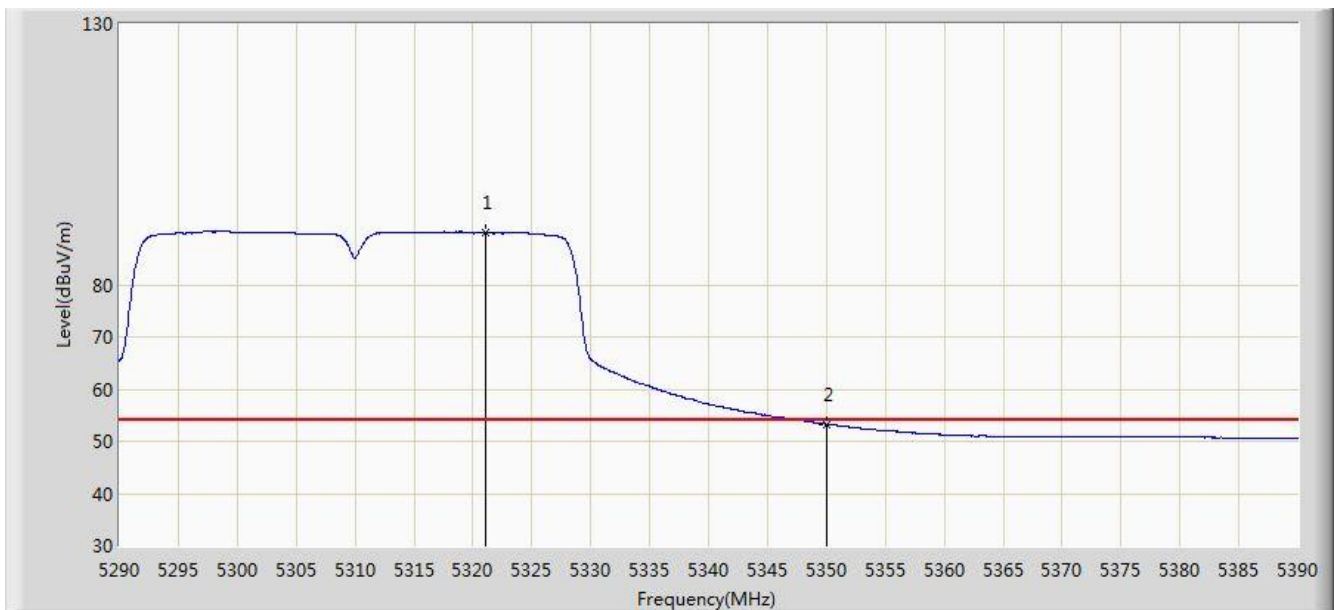


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5306.450	103.875	66.681	N/A	N/A	37.193	PK
2			5350.000	66.347	29.061	-7.653	74.000	37.286	PK
3			5351.700	66.980	29.688	-7.020	74.000	37.292	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 02:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5310MHz by 802.11ac-VHT40 2TX	

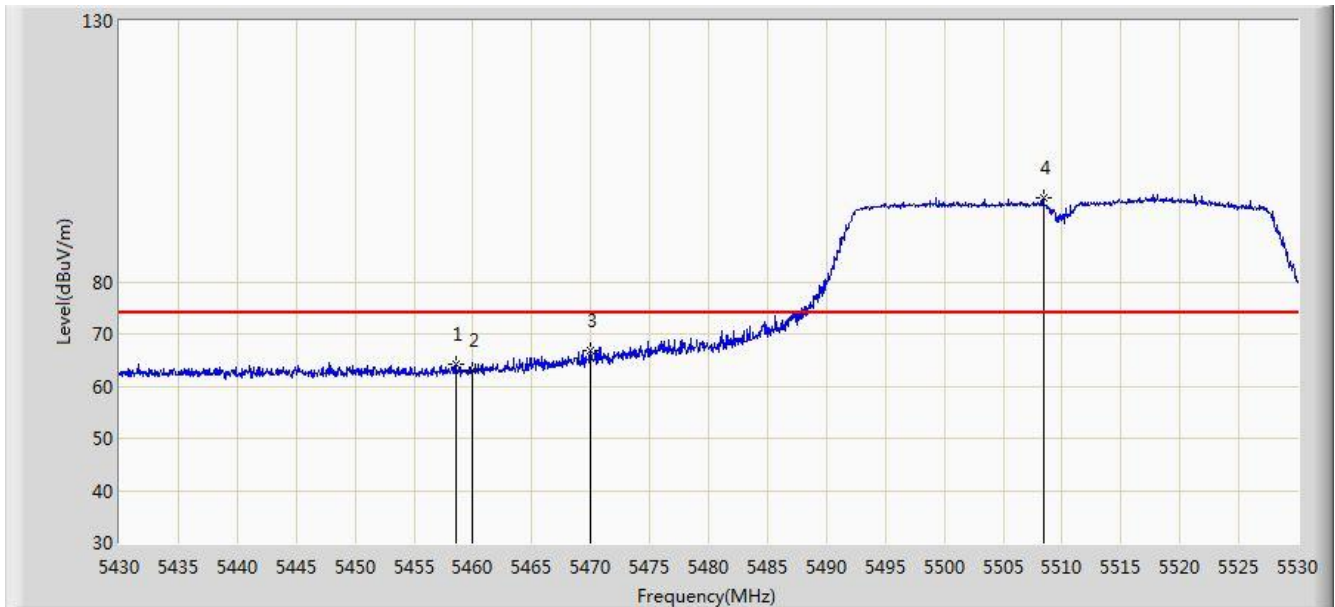


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.050	90.098	52.883	N/A	N/A	37.216	AV
2			5350.000	53.285	15.999	-0.715	54.000	37.286	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 02:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5510MHz by 802.11ac-VHT40 2TX	

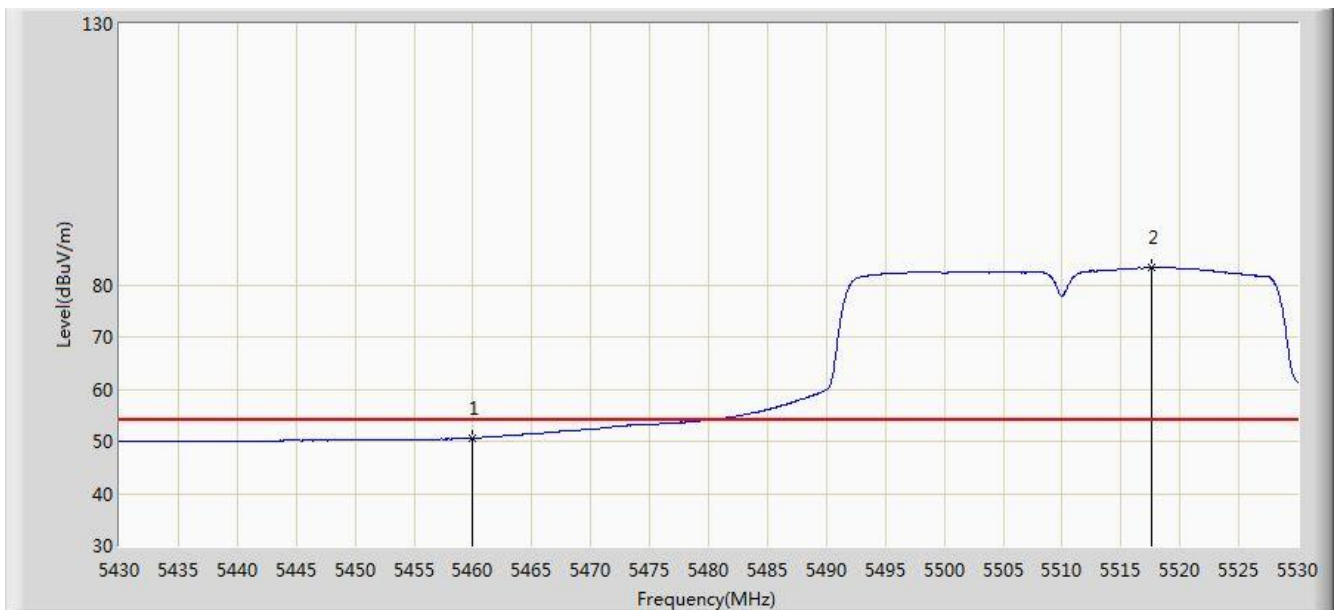


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5458.550	64.234	26.675	-9.766	74.000	37.559	PK
2			5460.000	62.939	25.376	-11.061	74.000	37.563	PK
3			5470.000	66.953	29.364	-7.047	74.000	37.588	PK
4		*	5508.400	96.155	58.521	N/A	N/A	37.633	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 02:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5510MHz by 802.11ac-VHT40 2TX	

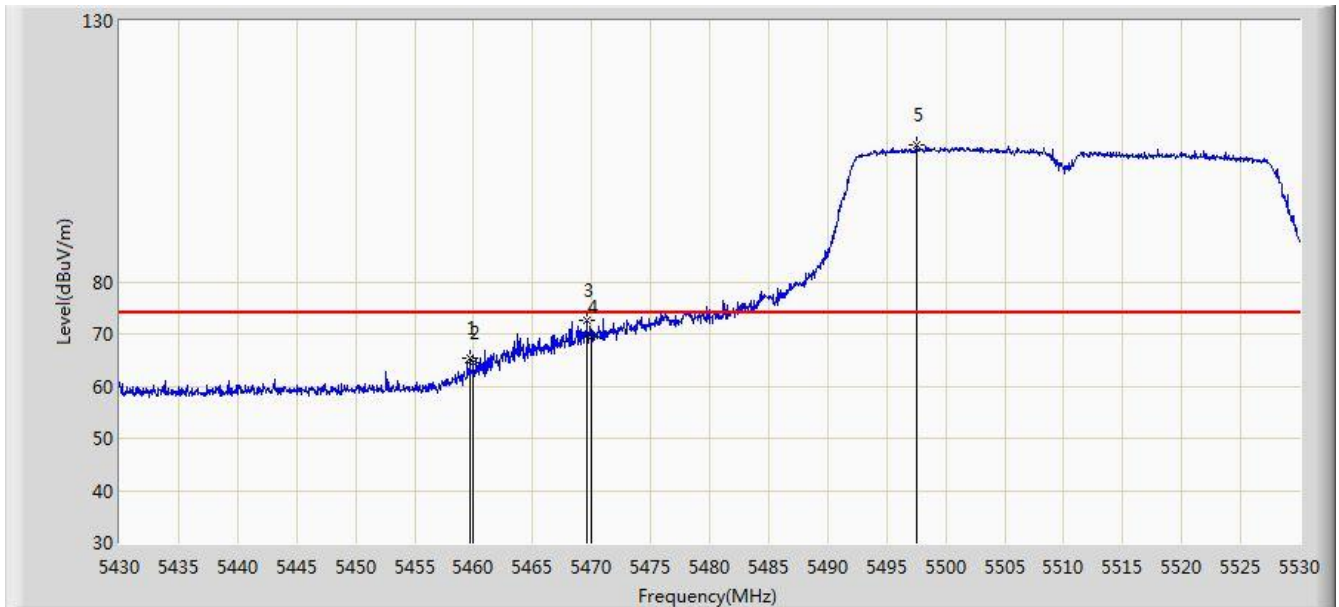


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.550	12.987	-3.450	54.000	37.563	AV
2		*	5517.650	83.345	45.701	N/A	N/A	37.644	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 02:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5510MHz by 802.11ac-VHT40 2TX	

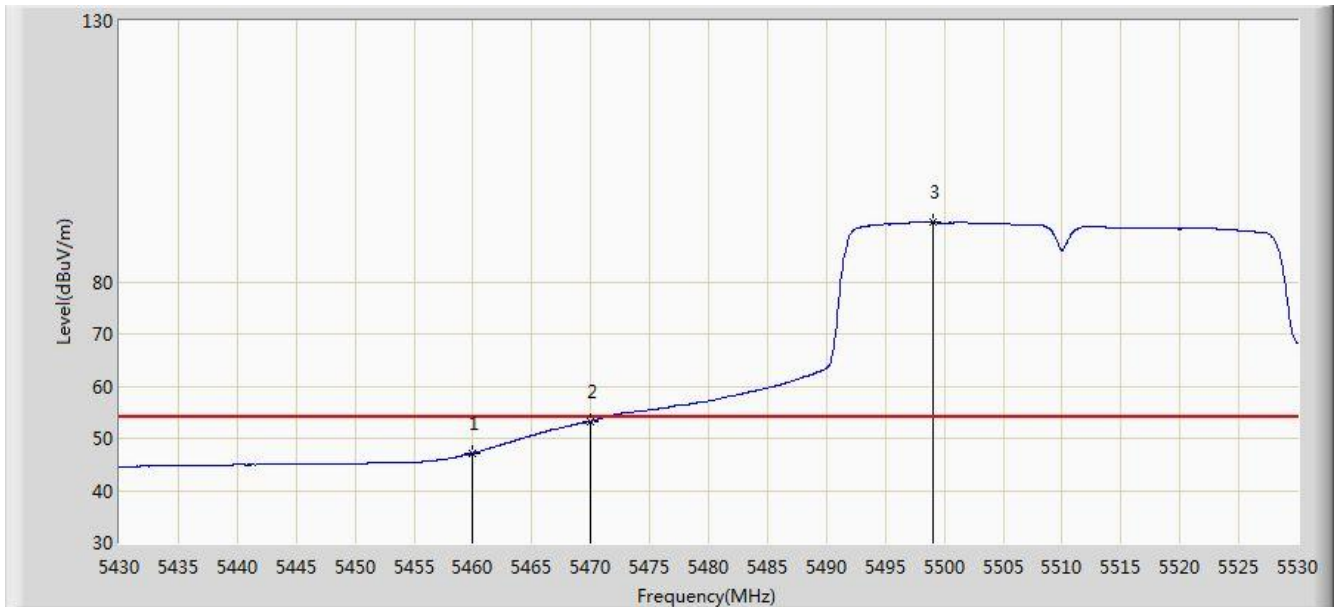


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5459.700	65.410	27.848	-8.590	74.000	37.562	PK
2			5460.000	64.415	26.852	-9.585	74.000	37.563	PK
3			5469.650	72.692	35.104	-1.308	74.000	37.588	PK
4			5470.000	69.278	31.690	-4.722	74.000	37.588	PK
5		*	5497.500	106.271	68.649	N/A	N/A	37.622	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 02:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5510MHz by 802.11ac-VHT40 2TX	

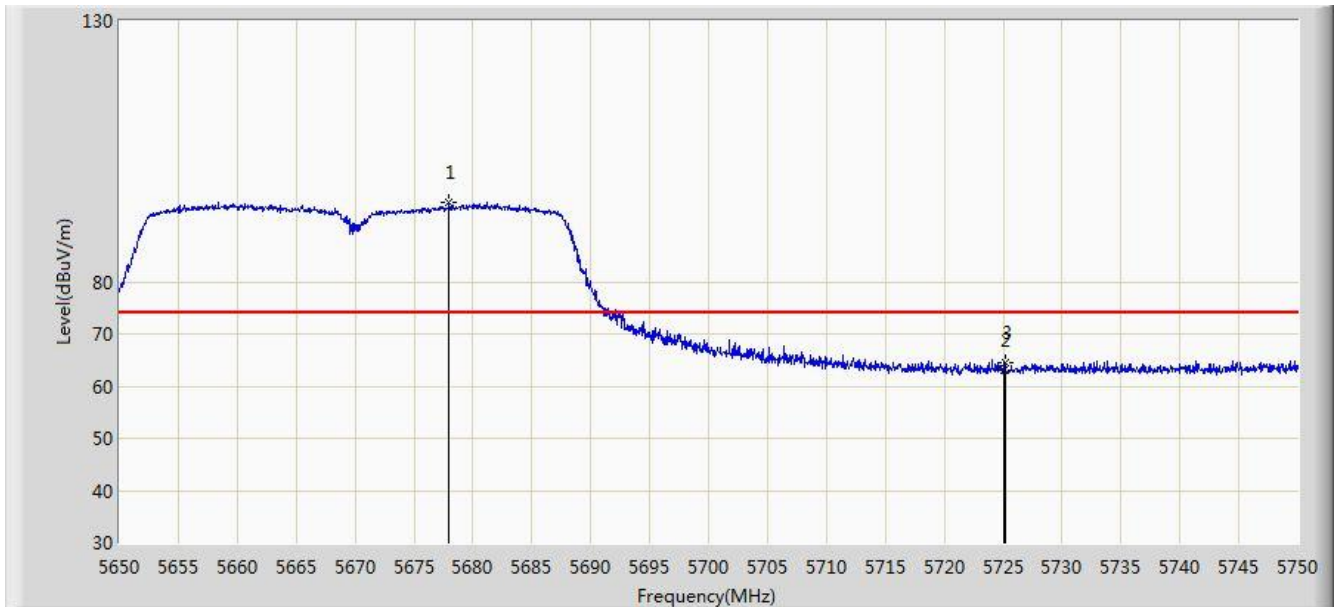


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	47.149	9.586	-6.851	54.000	37.563	AV
2			5470.000	53.254	15.666	-0.746	54.000	37.588	AV
3		*	5499.000	91.411	53.787	N/A	N/A	37.624	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 03:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5670MHz by 802.11ac-VHT40 2TX	

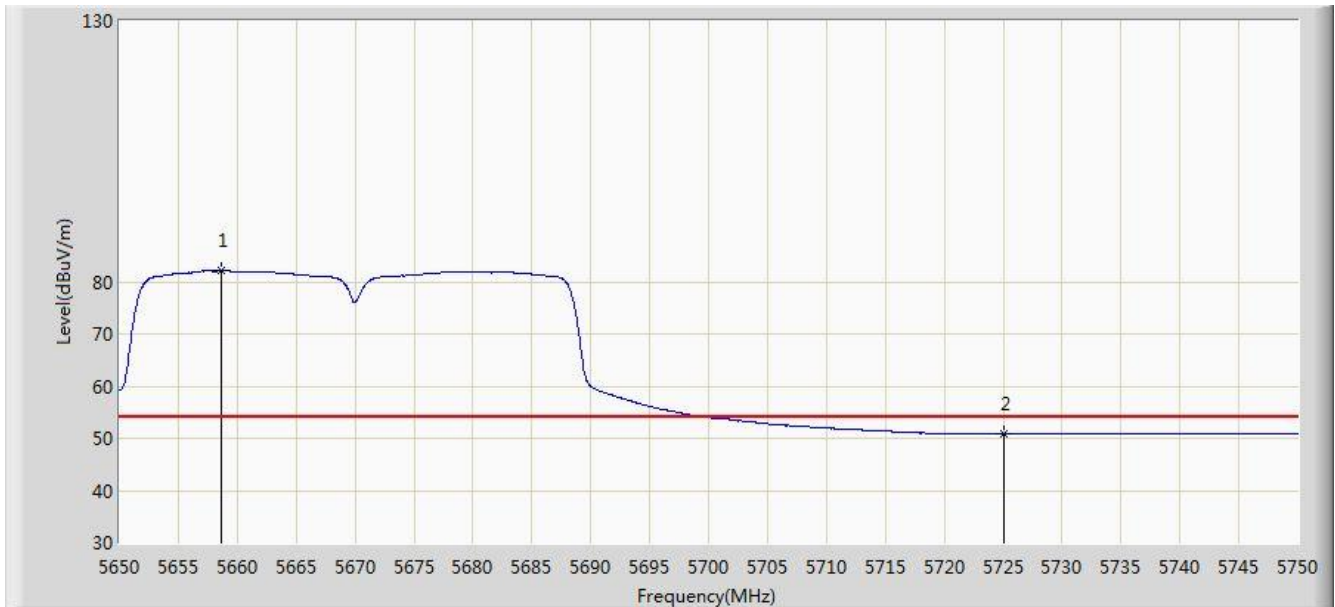


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5678.000	95.163	57.338	N/A	N/A	37.826	PK
2			5725.000	62.955	24.965	-11.045	74.000	37.990	PK
3			5725.200	64.591	26.601	-9.409	74.000	37.991	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 03:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5670MHz by 802.11ac-VHT40 2TX	

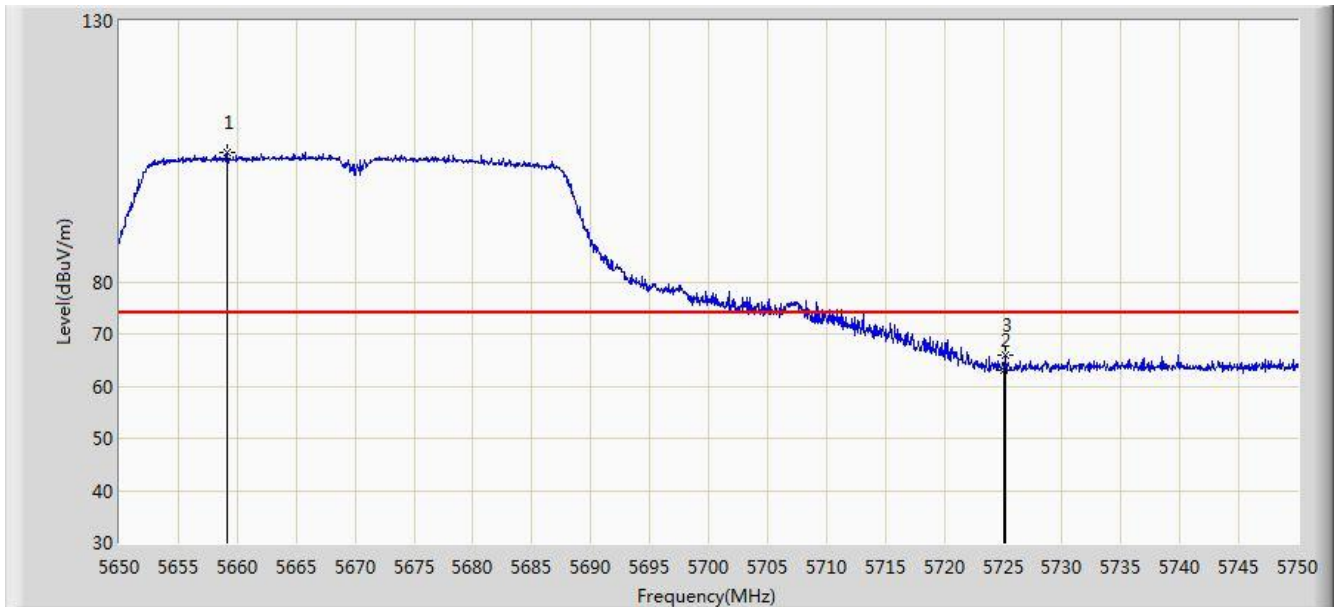


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5658.650	82.124	44.329	N/A	N/A	37.795	AV
2			5725.000	50.789	12.799	-3.211	54.000	37.990	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 03:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5670MHz by 802.11ac-VHT40 2TX	

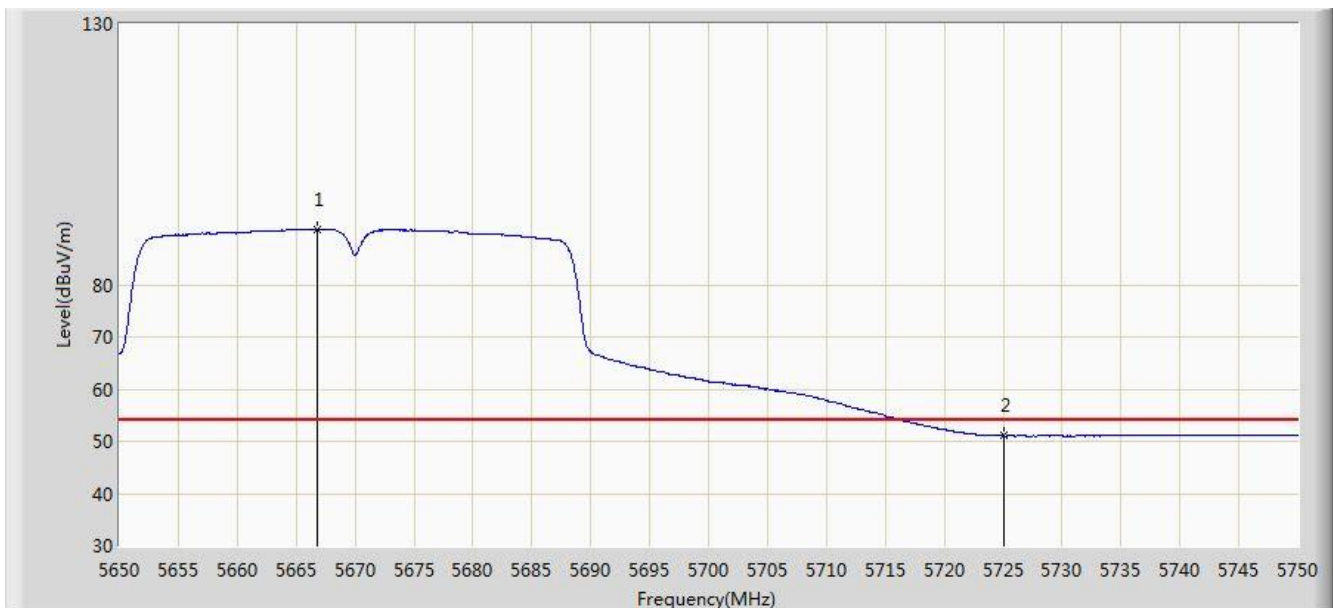


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5659.150	104.773	66.978	N/A	N/A	37.796	PK
2			5725.000	63.053	25.063	-10.947	74.000	37.990	PK
3			5725.200	66.029	28.039	-7.971	74.000	37.991	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/04/25 - 03:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5670MHz by 802.11ac-VHT40 2TX	

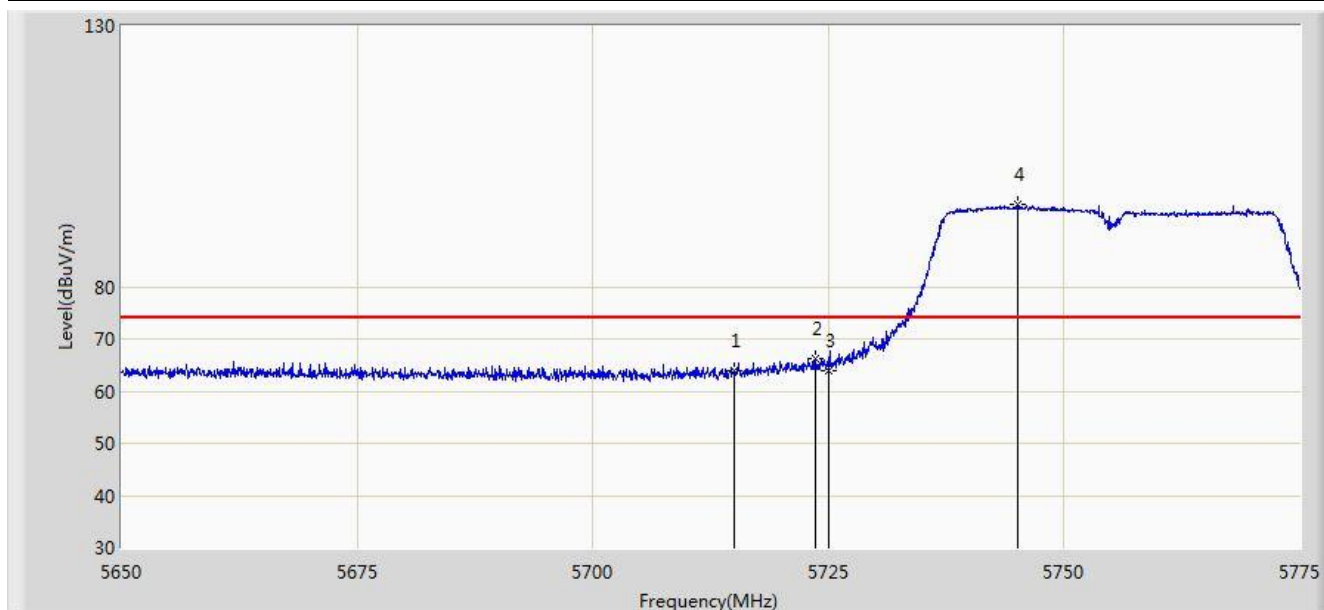


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5666.750	90.500	52.695	N/A	N/A	37.805	AV
2			5725.000	51.045	13.055	-2.955	54.000	37.990	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 03:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5755MHz by 802.11ac40 2TX	

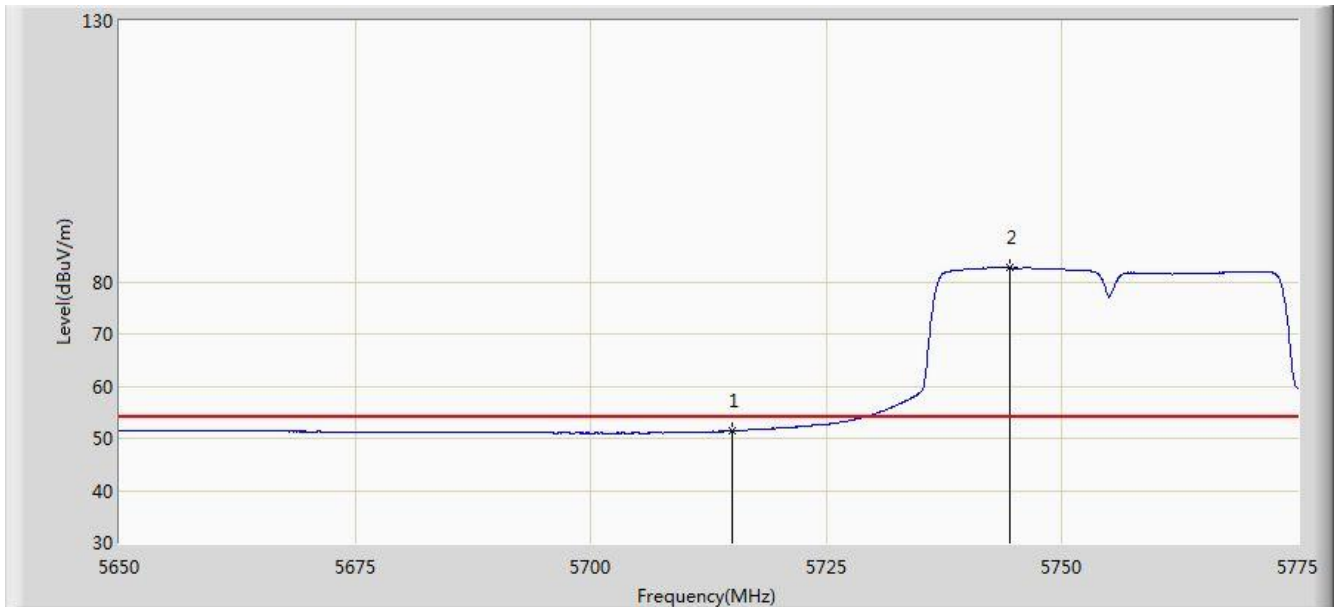


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	63.997	26.048	-10.003	74.000	37.949	PK
2			5723.562	66.209	28.225	-11.991	78.200	37.983	PK
3			5725.000	63.987	25.997	-14.213	78.200	37.990	PK
4		*	5745.062	95.848	57.776	N/A	N/A	38.072	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 03:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5755MHz by 802.11ac40 2TX	

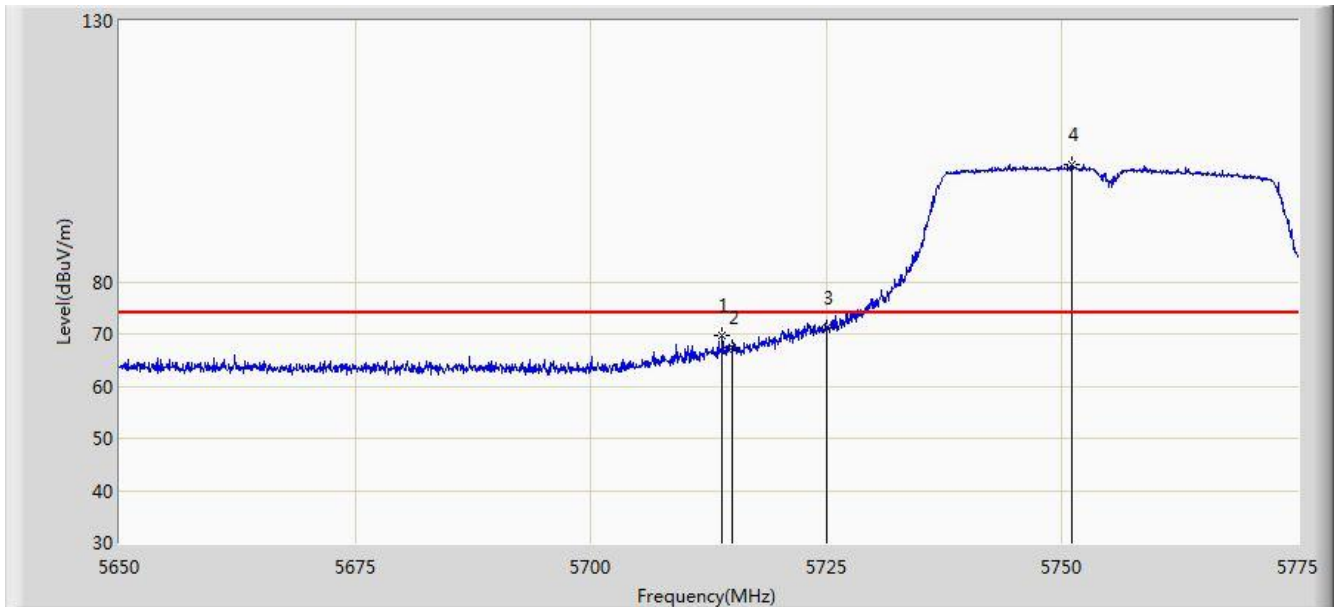


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.450	13.501	-2.550	54.000	37.949	AV
2		*	5744.437	82.651	44.582	N/A	N/A	38.069	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 03:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5755MHz by 802.11ac40 2TX	

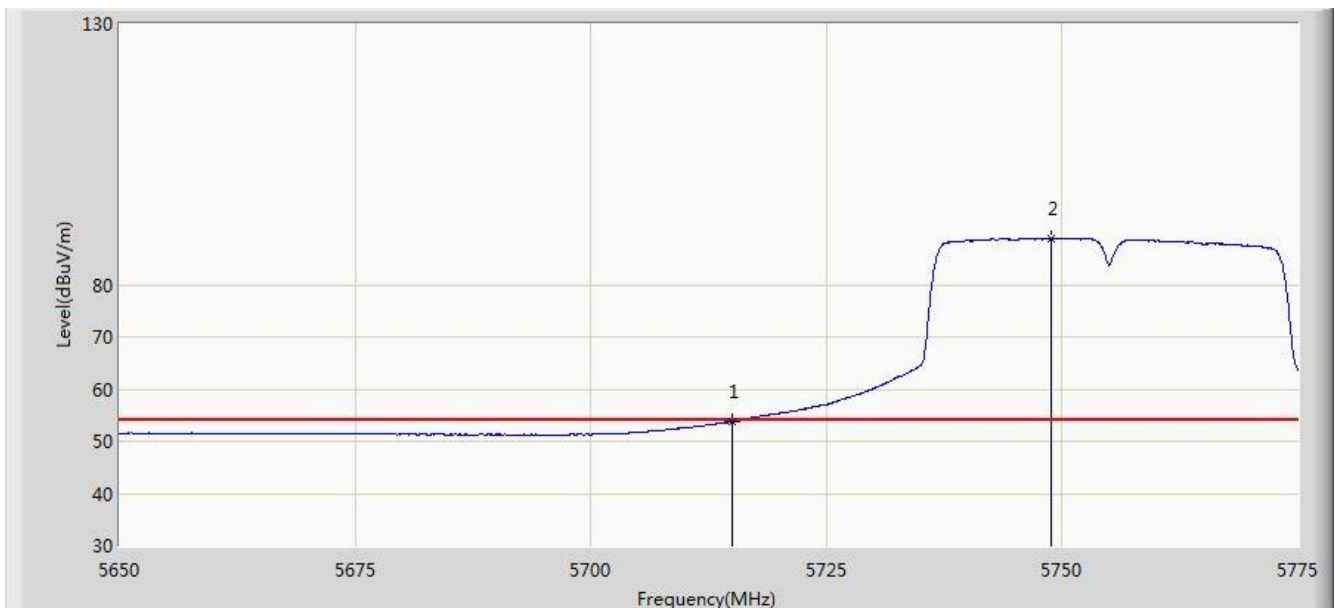


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5713.937	69.573	31.628	-4.427	74.000	37.945	PK
2			5715.000	67.275	29.326	-6.725	74.000	37.949	PK
3			5725.000	71.200	33.210	-7.000	78.200	37.990	PK
4		*	5751.062	102.532	64.431	N/A	N/A	38.101	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 03:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5755MHz by 802.11ac40 2TX	

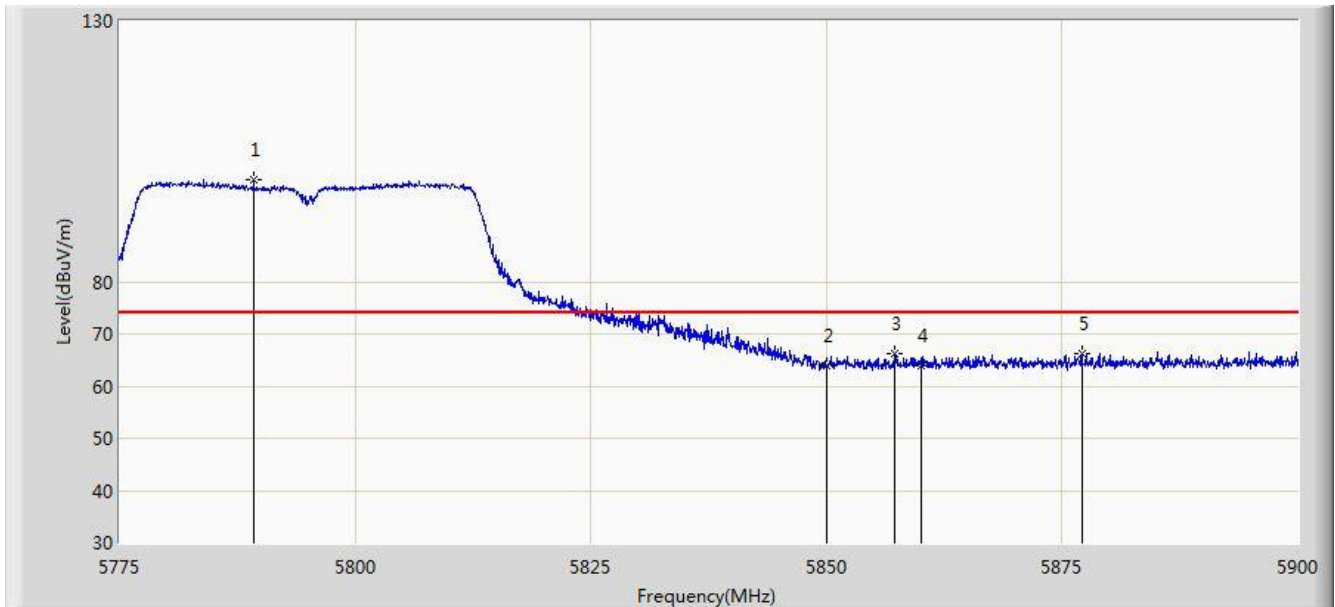


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	53.766	15.817	-0.234	54.000	37.949	AV
2		*	5748.875	88.921	50.831	N/A	N/A	38.090	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 03:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5795MHz by 802.11ac40 2TX	

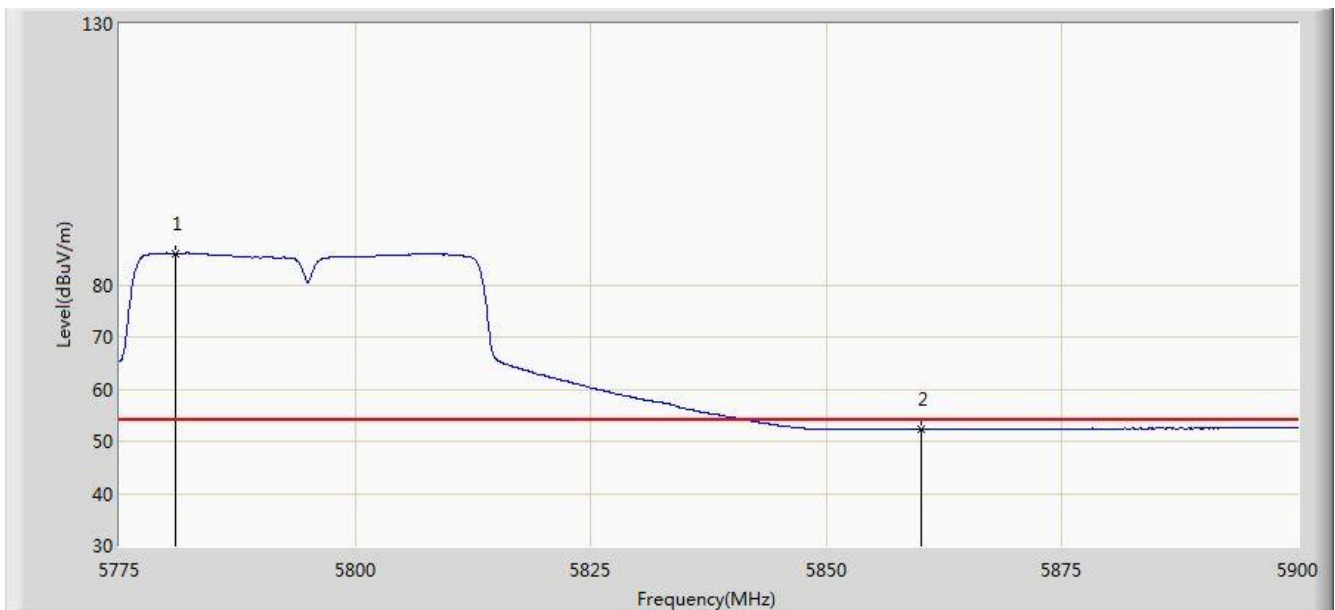


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5789.250	99.507	61.279	N/A	N/A	38.228	PK
2			5850.000	63.955	25.502	-14.245	78.200	38.454	PK
3			5857.187	66.283	27.812	-11.917	78.200	38.471	PK
4			5860.000	63.796	25.318	-10.204	74.000	38.478	PK
5			5877.062	66.325	27.826	-7.675	74.000	38.499	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 03:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5795MHz by 802.11ac40 2TX	

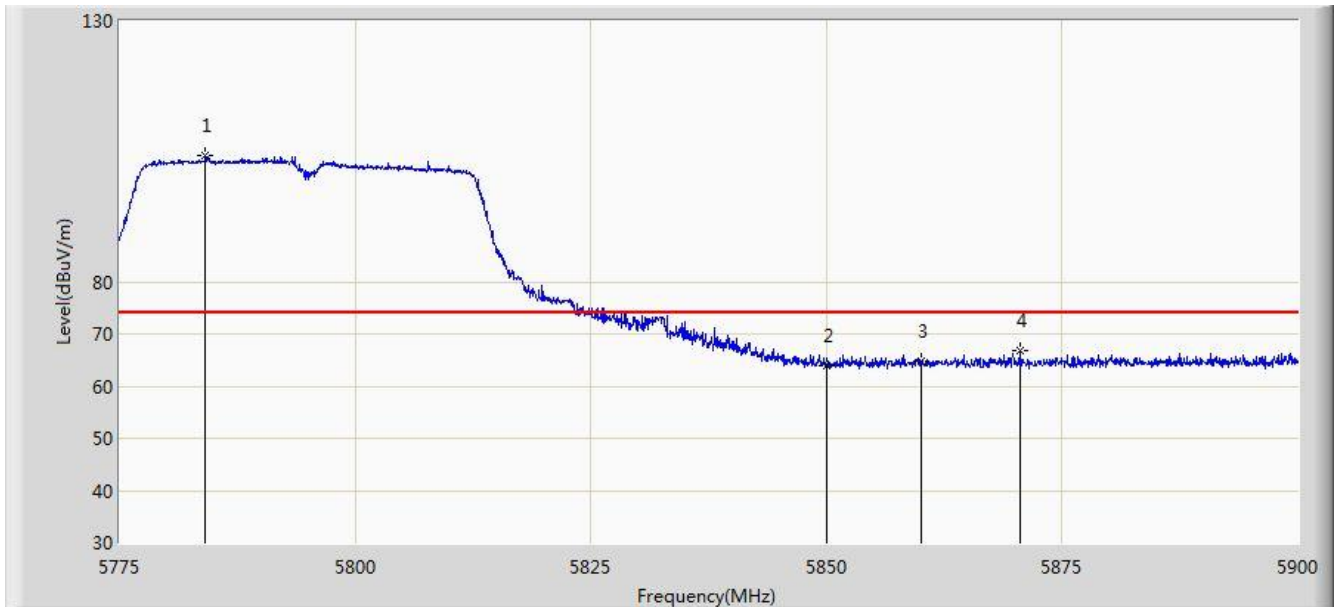


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5780.937	86.062	47.864	N/A	N/A	38.197	AV
2			5860.000	52.320	13.842	-1.680	54.000	38.478	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 03:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5795MHz by 802.11ac40 2TX	

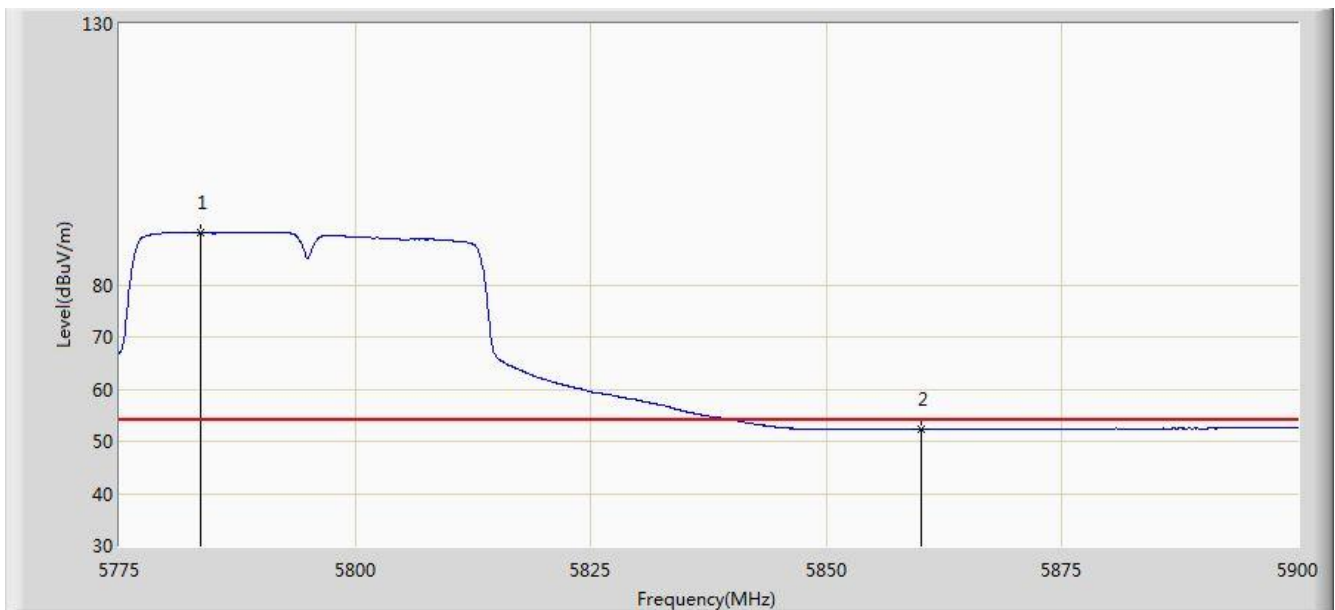


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5784.125	104.220	66.011	N/A	N/A	38.209	PK
2			5850.000	63.909	25.456	-14.291	78.200	38.454	PK
3			5860.000	64.742	26.264	-9.258	74.000	38.478	PK
4			5870.625	66.905	28.413	-7.095	74.000	38.493	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/06 - 03:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5795MHz by 802.11ac40 2TX	

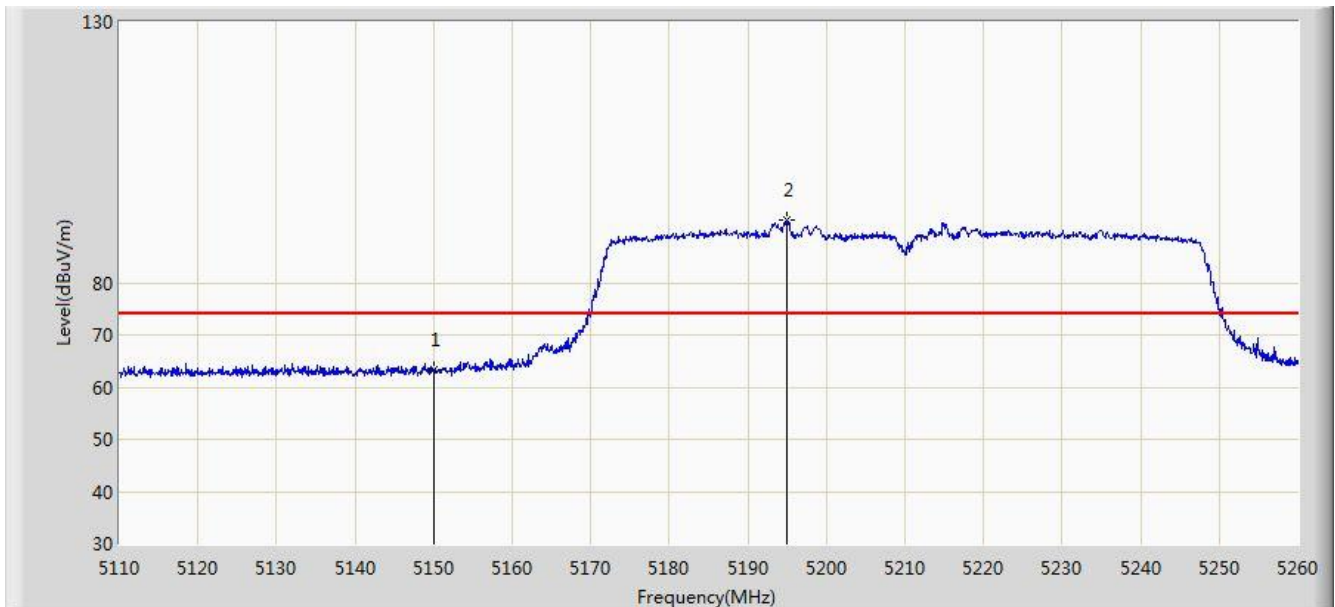


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5783.687	90.103	51.895	N/A	N/A	38.208	AV
2			5860.000	52.300	13.822	-1.700	54.000	38.478	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/06/16 - 15:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5210MHz by 802.11ac-VHT80 2TX	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	63.330	25.878	-10.670	74.000	37.452	PK
2		*	5194.975	92.036	54.699	N/A	N/A	37.337	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/06/16 - 15:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5210MHz by 802.11ac-VHT80 2TX	

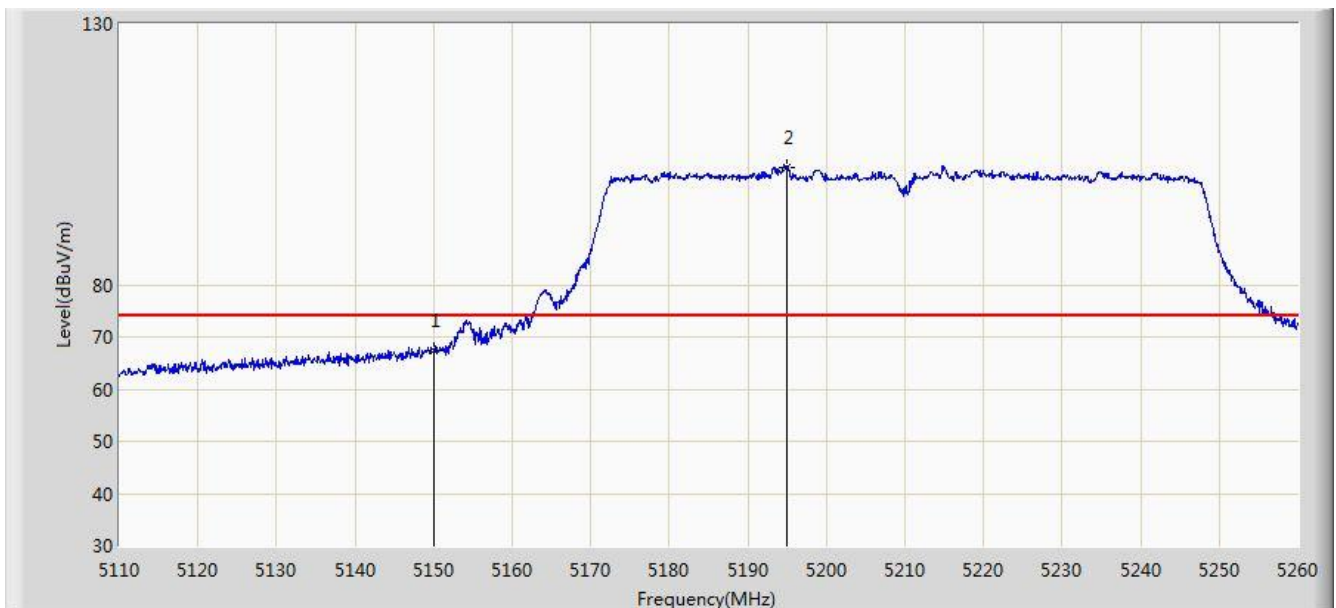


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.369	12.917	-3.631	54.000	37.452	AV
2		*	5218.600	73.639	36.374	N/A	N/A	37.265	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/06/16 - 15:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5210MHz by 802.11ac-VHT80 2TX	

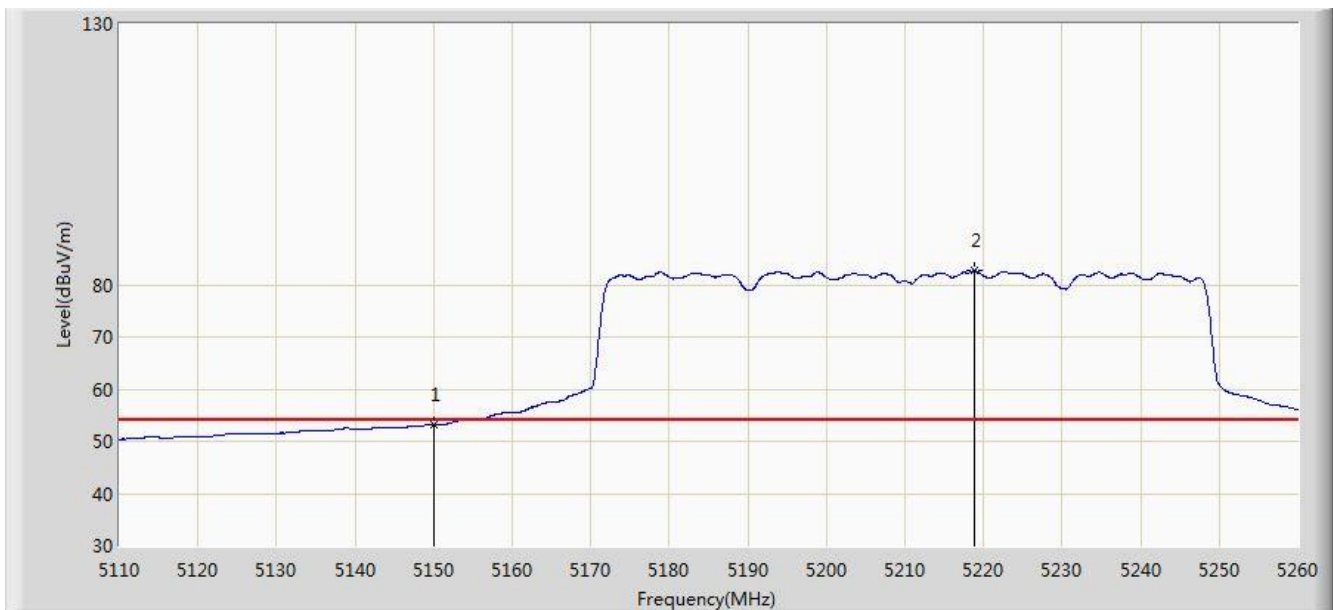


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	67.304	29.852	-6.696	74.000	37.452	PK
2		*	5195.050	102.546	65.209	N/A	N/A	37.337	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/06/16 - 15:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5210MHz by 802.11ac-VHT80 2TX	

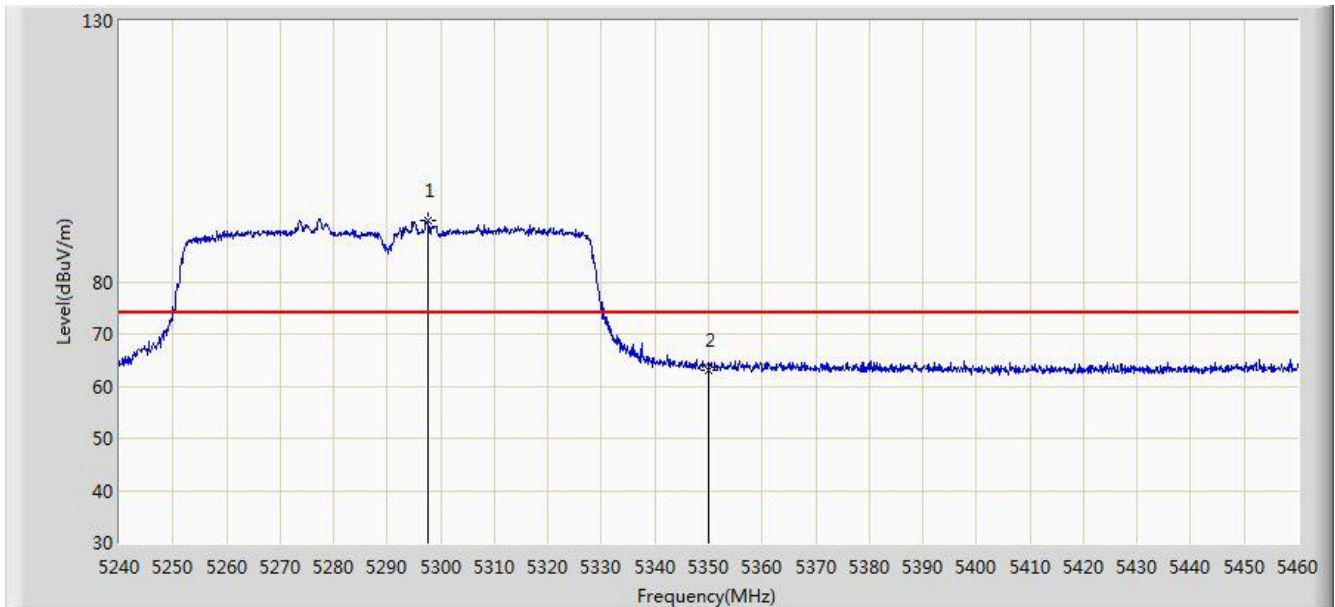


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.173	15.721	-0.827	54.000	37.452	AV
2		*	5218.900	82.653	45.388	N/A	N/A	37.264	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/06/16 - 15:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5290MHz by 802.11ac-VHT80 2TX	

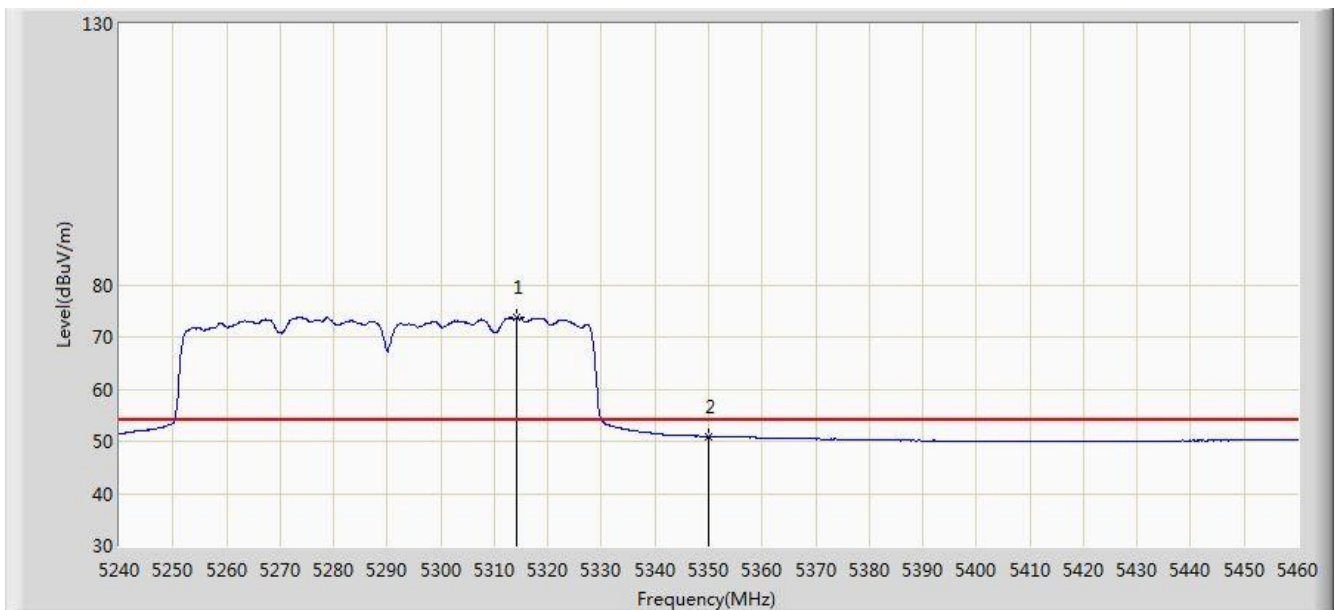


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5297.530	91.783	54.602	N/A	N/A	37.181	PK
2			5350.000	63.142	25.856	-10.858	74.000	37.286	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/06/16 - 15:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5290MHz by 802.11ac-VHT80 2TX	

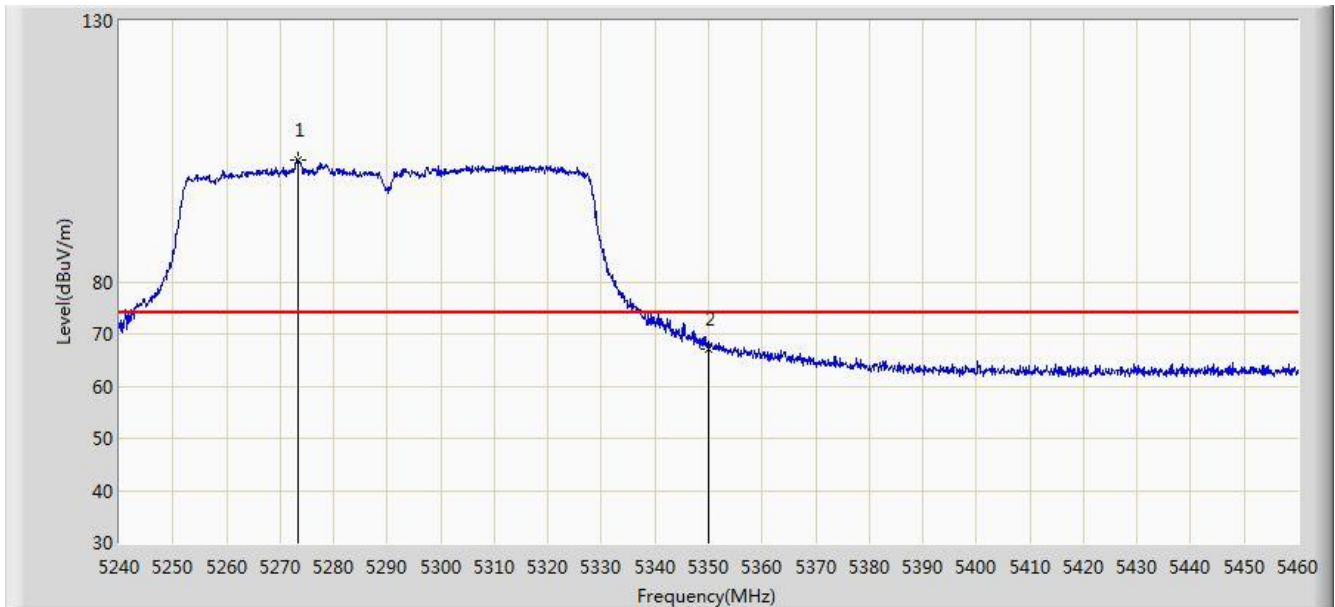


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5314.140	73.667	36.464	N/A	N/A	37.203	AV
2			5350.000	50.950	13.664	-3.050	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/06/16 - 16:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5290MHz by 802.11ac-VHT80 2TX	

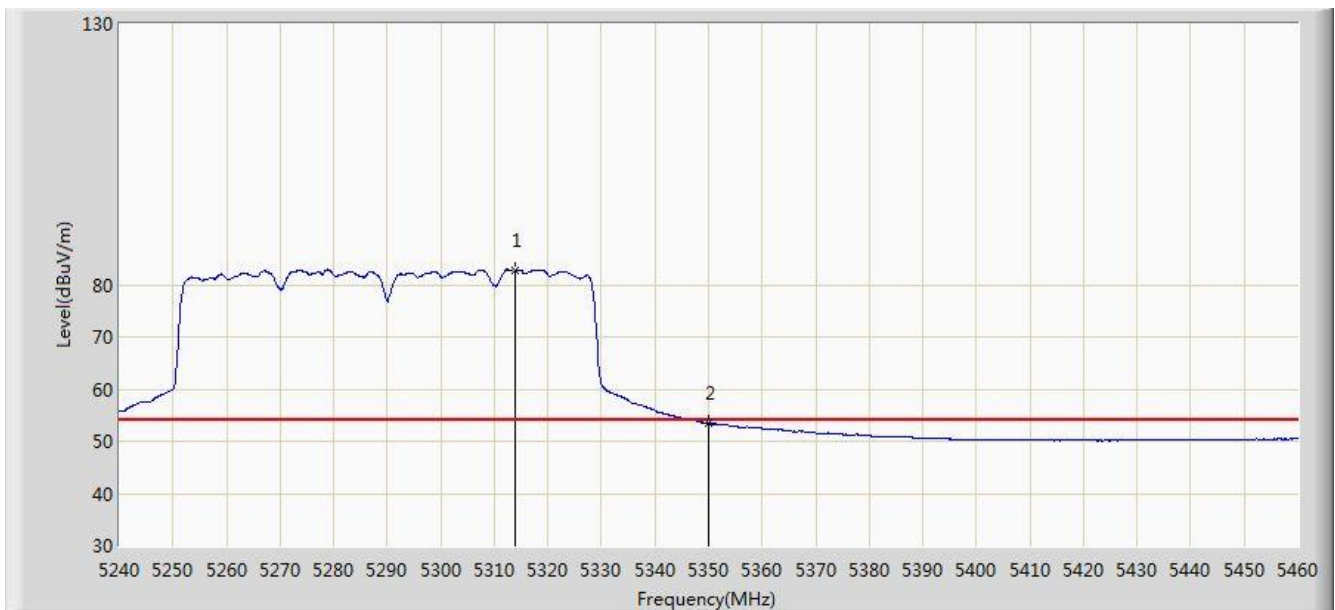


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5273.440	103.308	66.123	N/A	N/A	37.185	PK
2			5350.000	67.199	29.913	-6.801	74.000	37.286	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/06/16 - 16:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5290MHz by 802.11ac-VHT80 2TX	

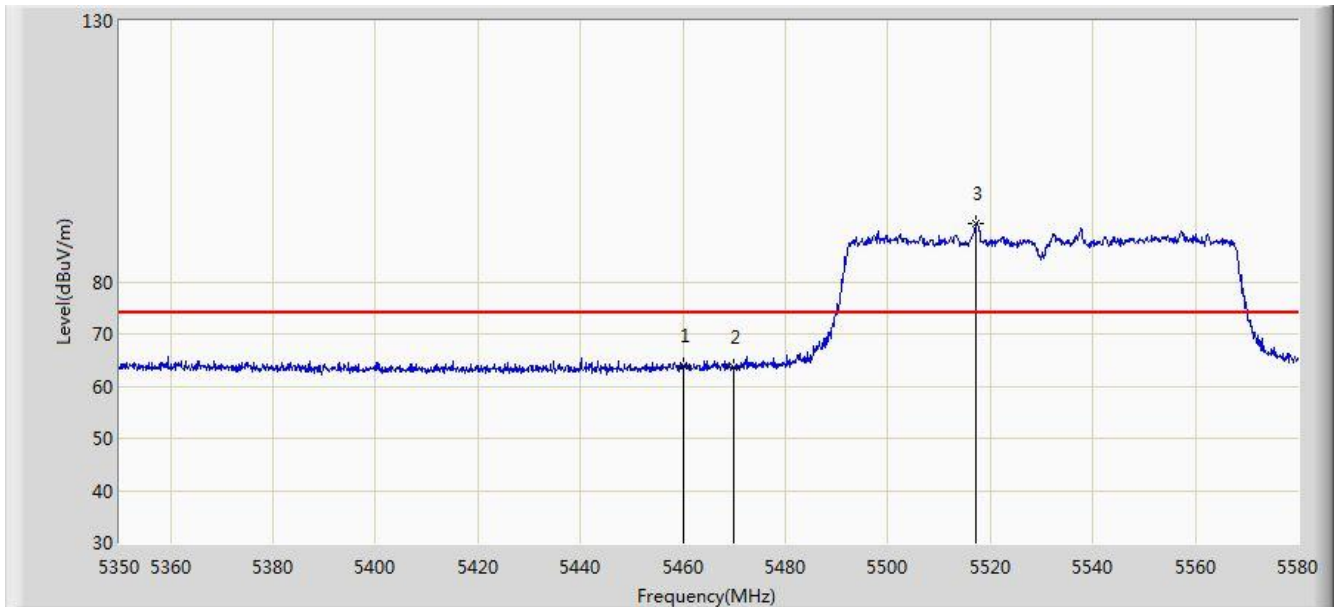


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5313.810	82.883	45.681	N/A	N/A	37.203	AV
2			5350.000	53.379	16.093	-0.621	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/06/16 - 16:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5530MHz by 802.11ac-VHT80 2TX	

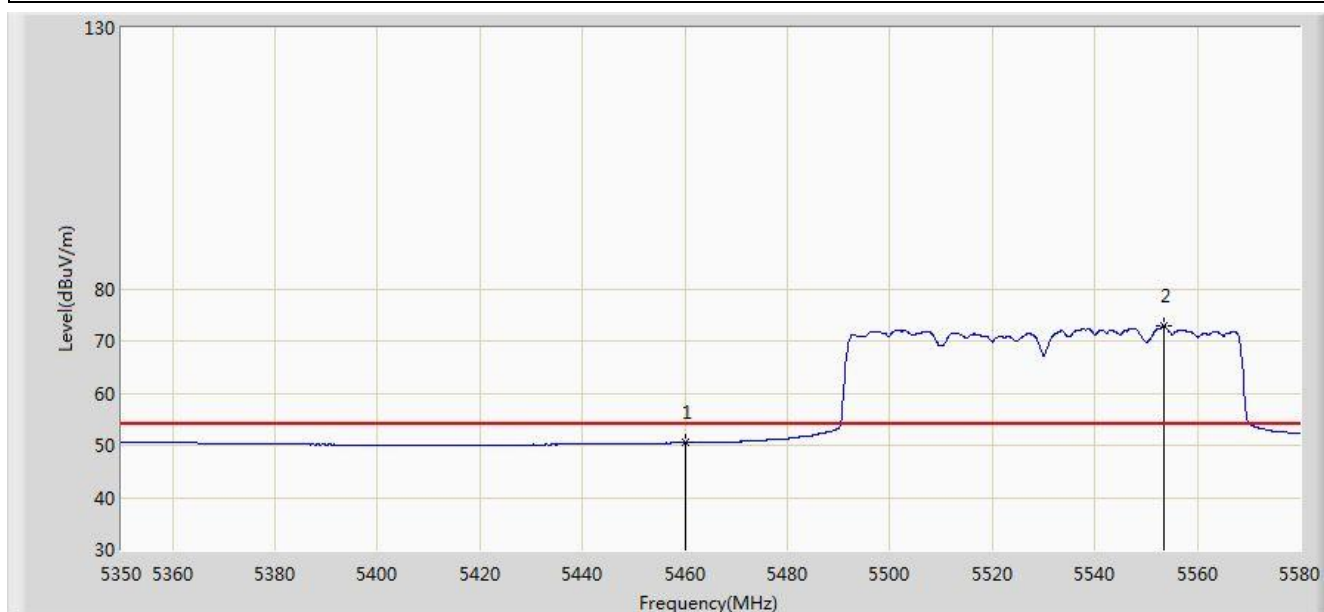


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	63.878	26.315	-10.122	74.000	37.563	PK
2			5470.000	63.501	25.912	-10.499	74.000	37.588	PK
3		*	5517.095	91.146	53.503	N/A	N/A	37.643	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/06/16 - 16:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5530MHz by 802.11ac-VHT80 2TX	

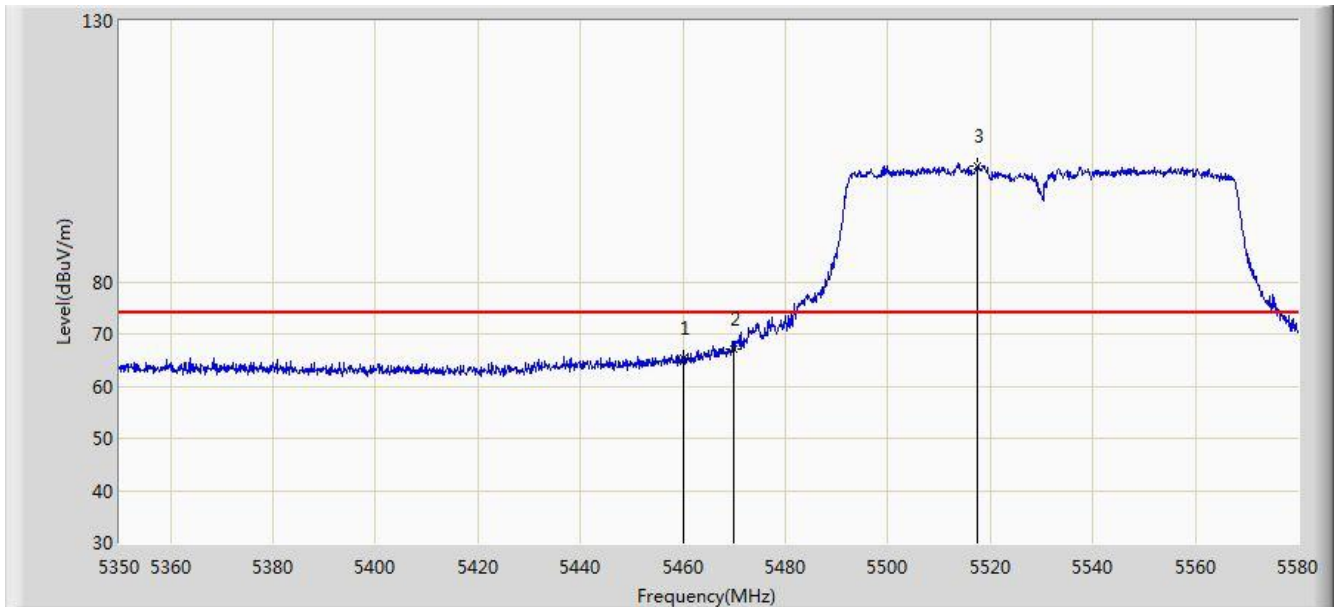


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.516	12.953	-3.484	54.000	37.563	AV
2		*	5553.435	72.906	35.203	N/A	N/A	37.703	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/06/16 - 16:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5530MHz by 802.11ac-VHT80 2TX	

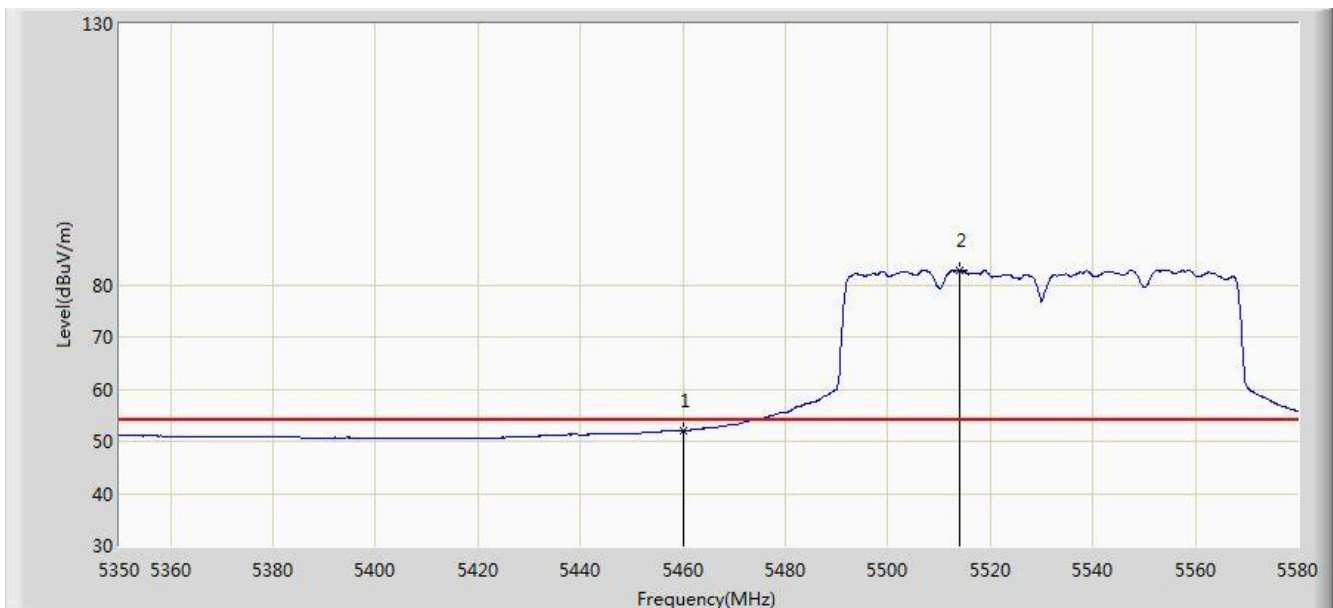


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	65.402	27.839	-8.598	74.000	37.563	PK
2			5470.000	67.154	29.565	-6.846	74.000	37.588	PK
3		*	5517.555	102.214	64.570	N/A	N/A	37.644	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/06/16 - 16:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5530MHz by 802.11ac-VHT80 2TX	

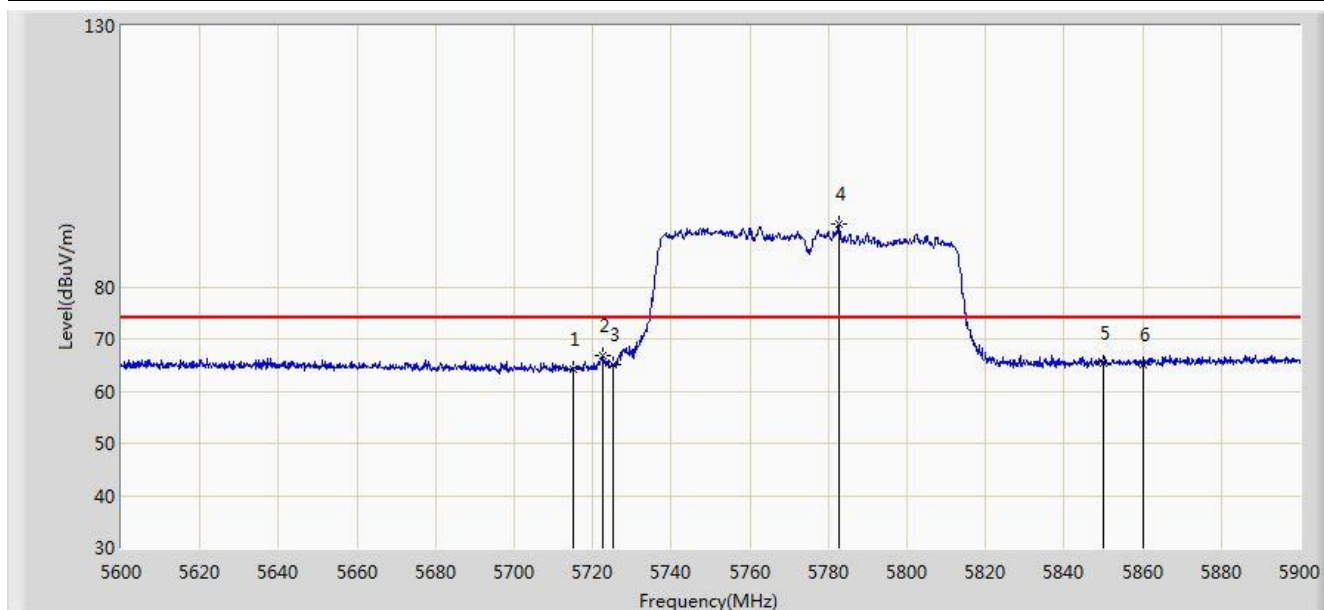


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	52.052	14.489	-1.948	54.000	37.563	AV
2		*	5514.105	82.739	45.099	N/A	N/A	37.640	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/06/16 - 16:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5775MHz by 802.11ac-VHT80 2TX	

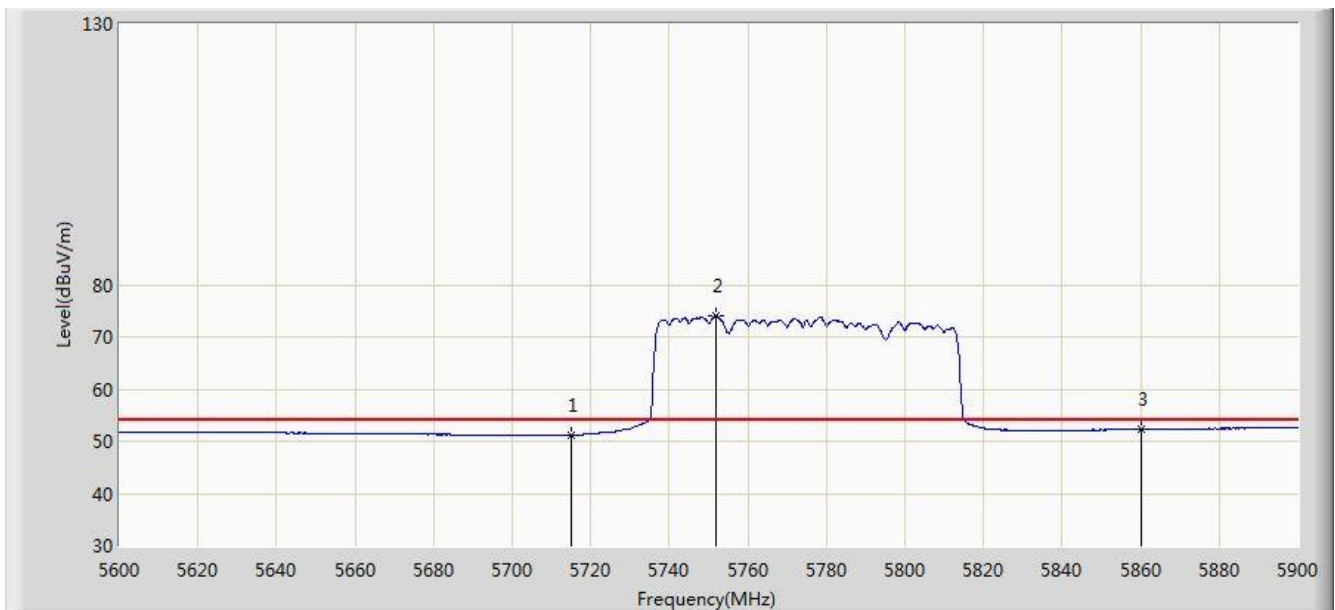


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	64.141	26.192	-9.859	74.000	37.949	PK
2			5722.400	66.830	28.851	-7.170	74.000	37.979	PK
3			5725.000	65.165	27.175	-13.035	78.200	37.990	PK
4		*	5782.700	91.940	53.736	N/A	N/A	38.204	PK
5			5850.000	65.440	26.987	-12.760	78.200	38.454	PK
6			5860.000	65.109	26.631	-8.891	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/06/16 - 16:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5775MHz by 802.11ac-VHT80 2TX	

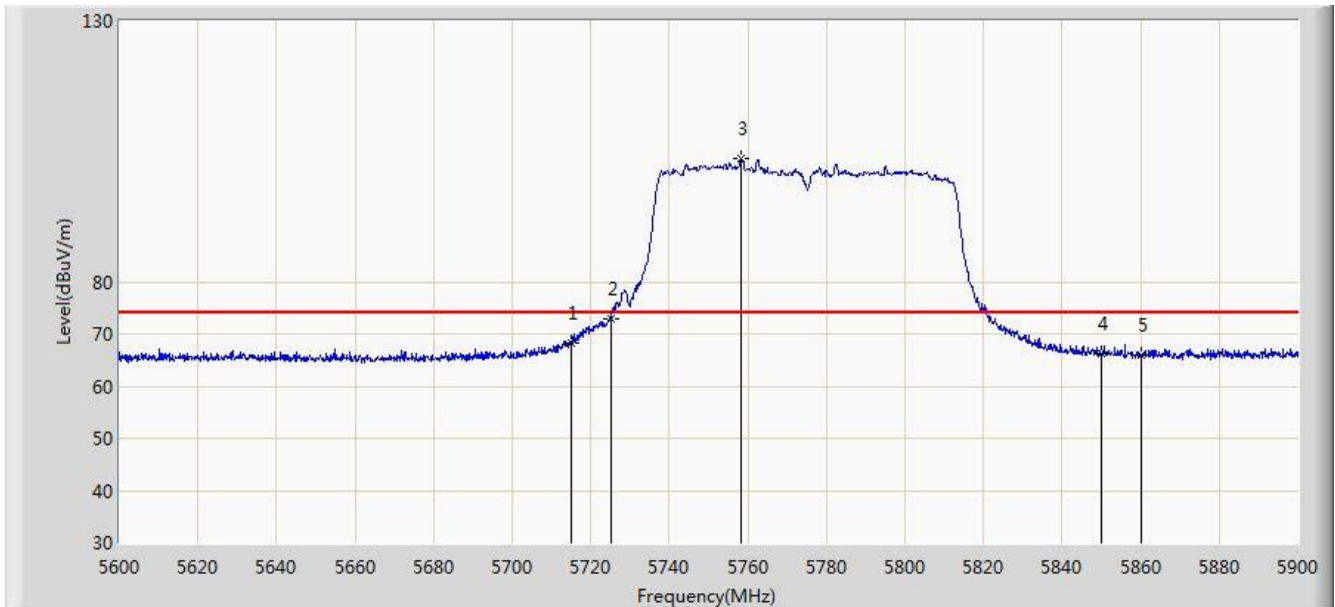


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.158	13.209	-2.842	54.000	37.949	AV
2		*	5751.950	74.110	36.005	N/A	N/A	38.105	AV
3			5860.000	52.266	13.788	-1.734	54.000	38.478	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/06/16 - 16:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5775MHz by 802.11ac-VHT80 2TX	

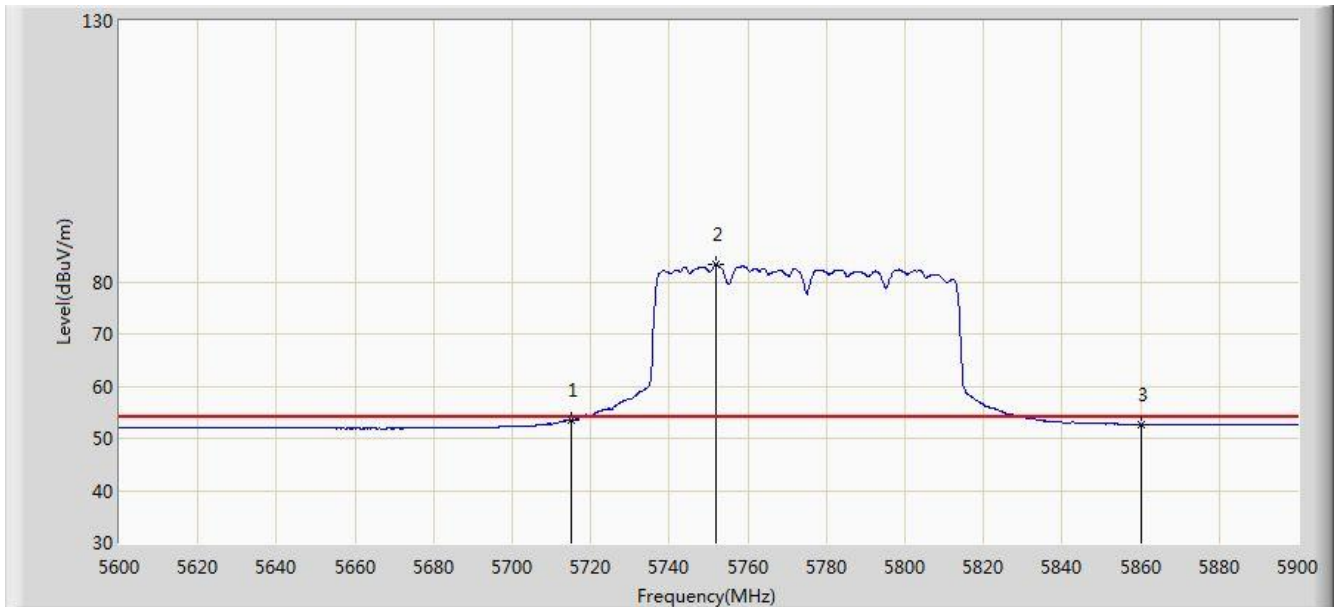


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	68.365	30.416	-5.635	74.000	37.949	PK
2			5725.000	72.888	34.898	-5.312	78.200	37.990	PK
3		*	5758.100	103.615	65.482	N/A	N/A	38.133	PK
4			5850.000	66.312	27.859	-11.888	78.200	38.454	PK
5			5860.000	65.986	27.508	-8.014	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/06/16 - 16:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module Card	Power: AC 120V/60Hz
Note: Mode: Transmit at channel 5775MHz by 802.11ac-VHT80 2TX	



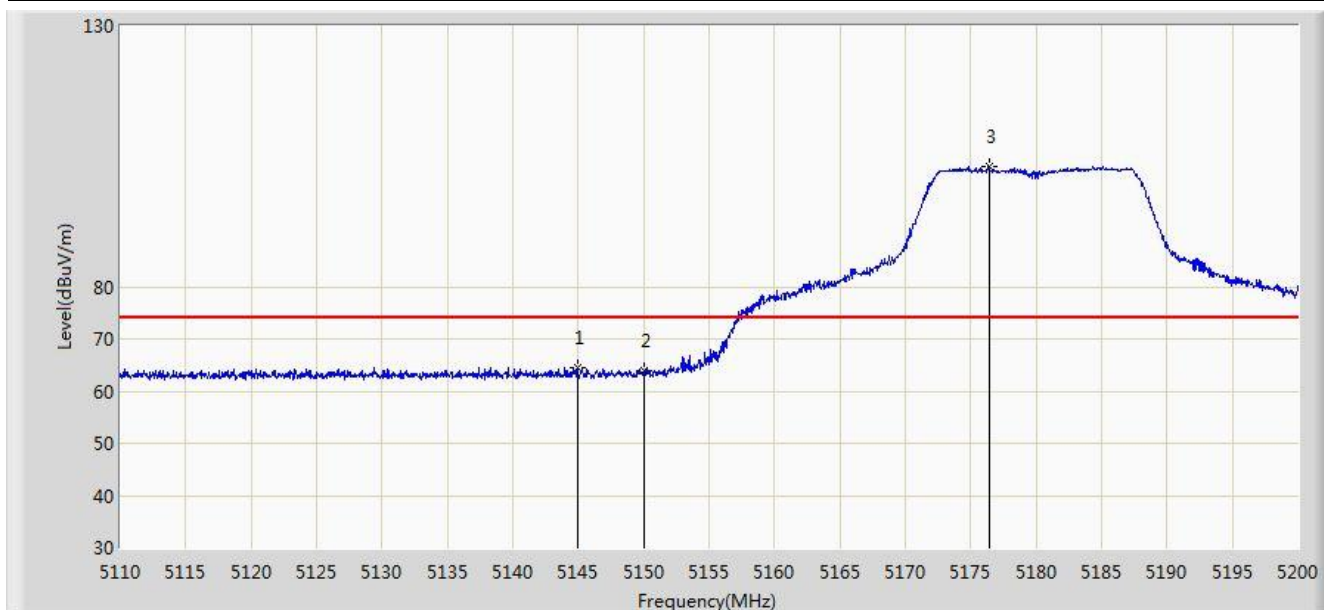
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	53.390	15.441	-0.610	54.000	37.949	AV
2		*	5751.800	83.294	45.190	N/A	N/A	38.105	AV
3			5860.000	52.655	14.177	-1.345	54.000	38.478	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Panel Antenna 2# and 3#

Site: AC1	Time: 2015/05/09 - 12:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz 1TX	

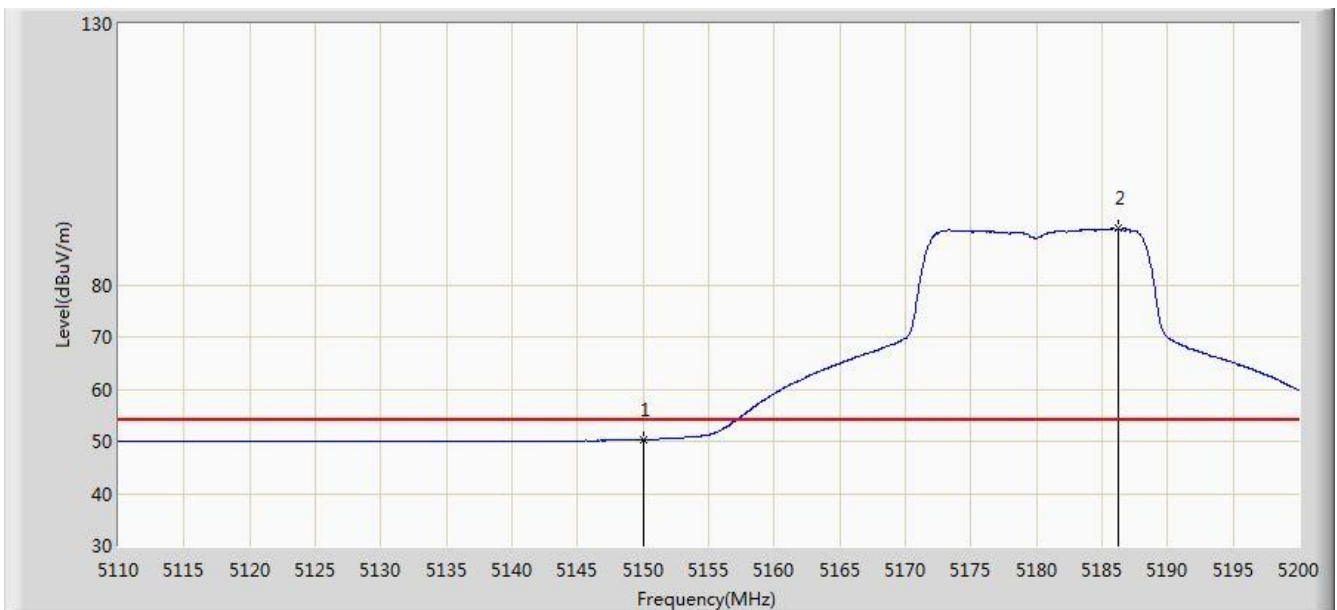


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.920	64.381	26.921	-9.619	74.000	37.460	PK
2			5150.000	63.801	26.349	-10.199	74.000	37.452	PK
3		*	5176.420	102.912	65.530	N/A	N/A	37.381	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 12:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz 1TX	

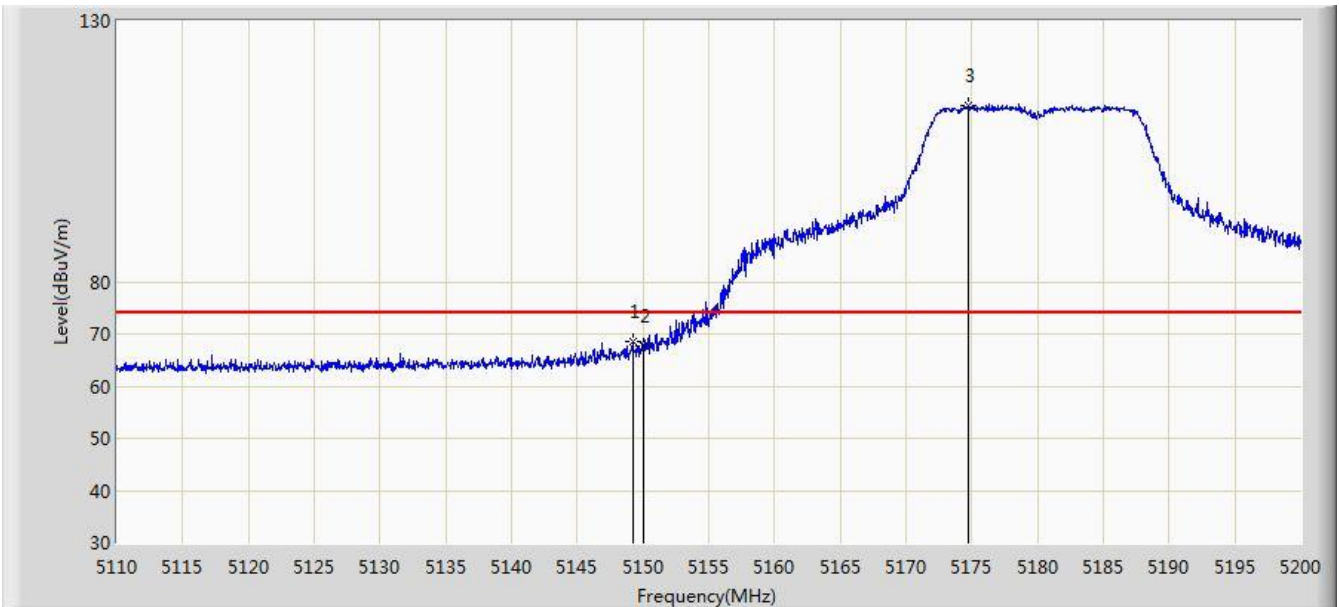


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.341	12.889	-3.659	54.000	37.452	AV
2		*	5186.230	90.727	53.369	N/A	N/A	37.359	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 12:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz 1TX	

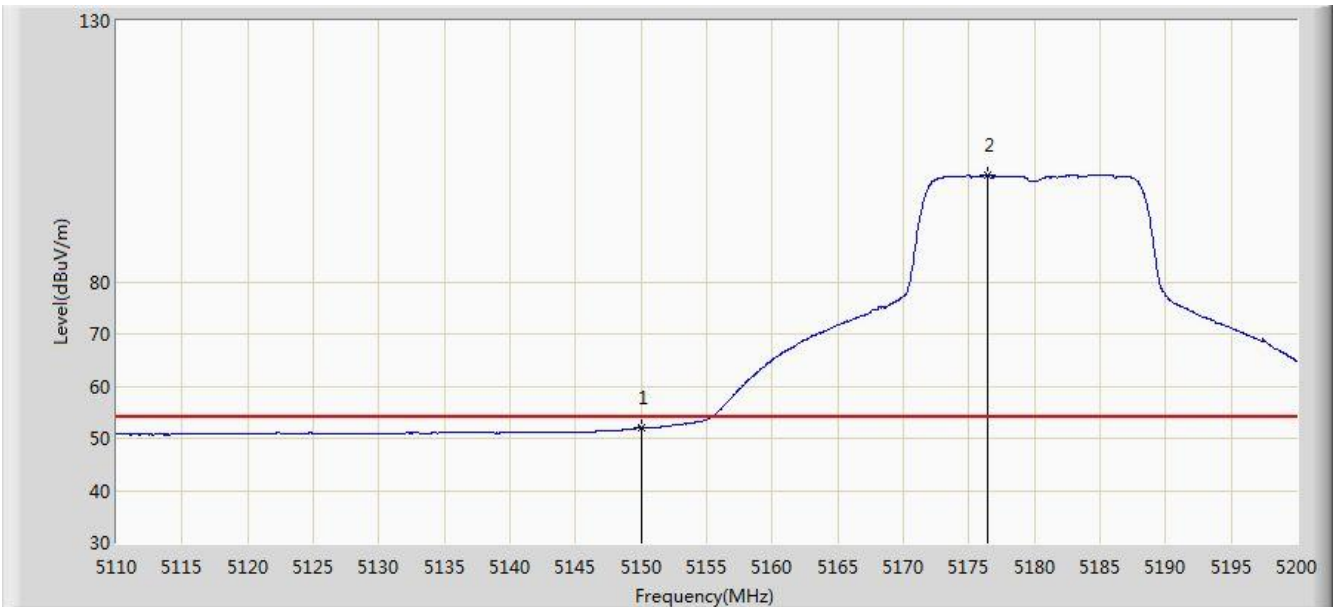


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.240	68.626	31.173	-5.374	74.000	37.453	PK
2			5150.000	67.731	30.279	-6.269	74.000	37.452	PK
3		*	5174.710	113.839	76.453	N/A	N/A	37.385	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 12:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz 1TX	

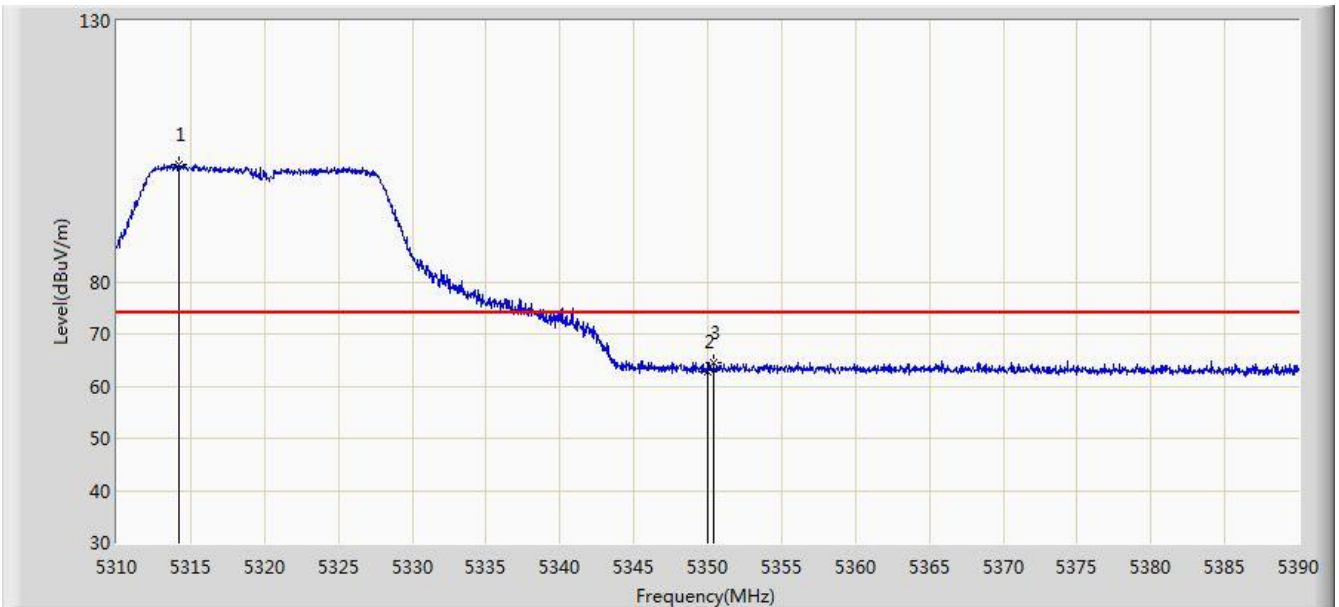


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.086	14.634	-1.914	54.000	37.452	AV
2		*	5176.420	100.348	62.966	N/A	N/A	37.381	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz 1TX	

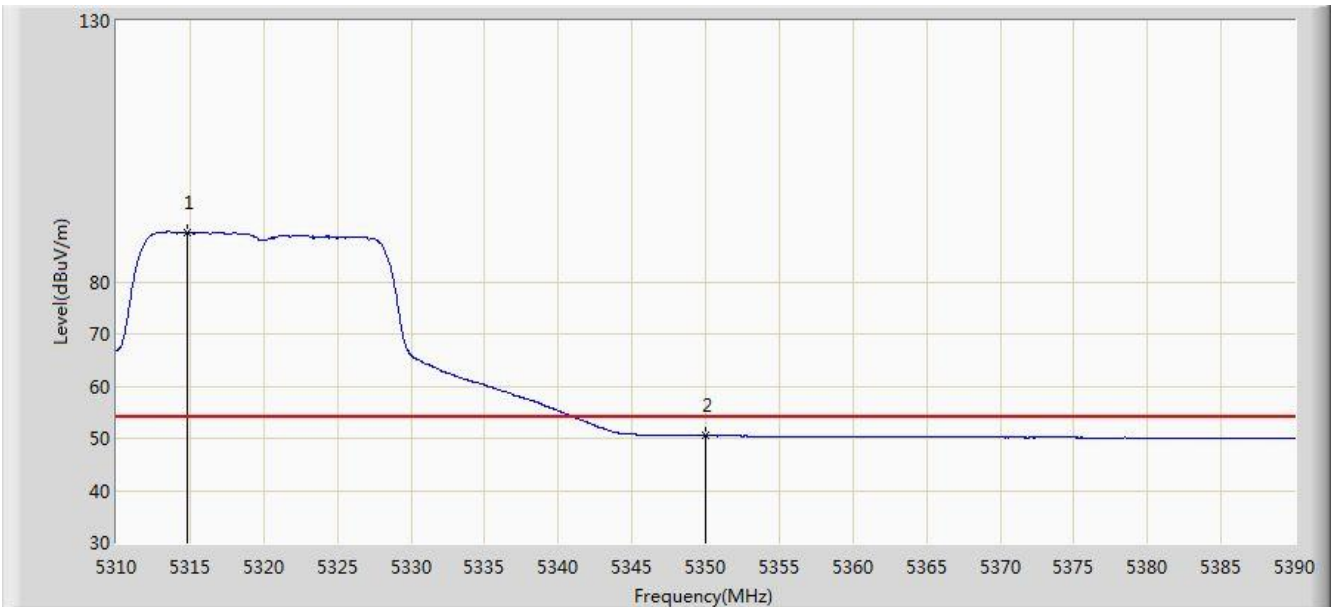


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5314.200	102.563	65.360	N/A	N/A	37.203	PK
2			5350.000	62.677	25.391	-11.323	74.000	37.286	PK
3			5350.440	64.525	27.237	-9.475	74.000	37.288	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz 1TX	

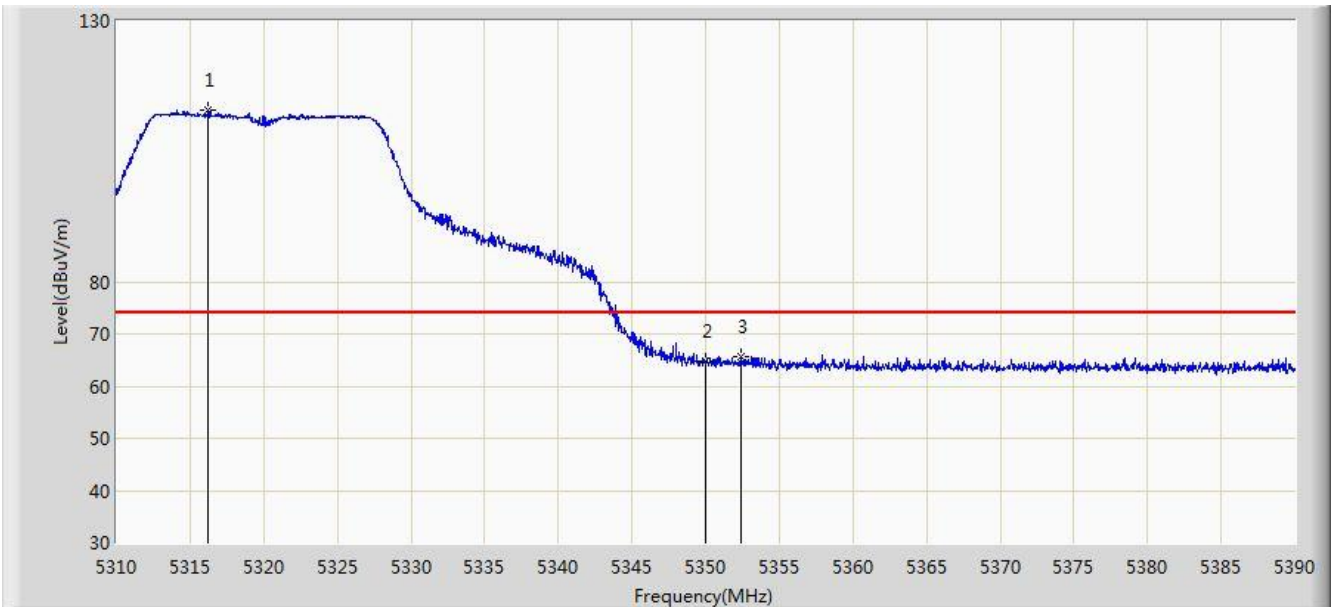


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5314.800	89.542	52.338	N/A	N/A	37.204	AV
2			5350.000	50.489	13.203	-3.511	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz 1TX	

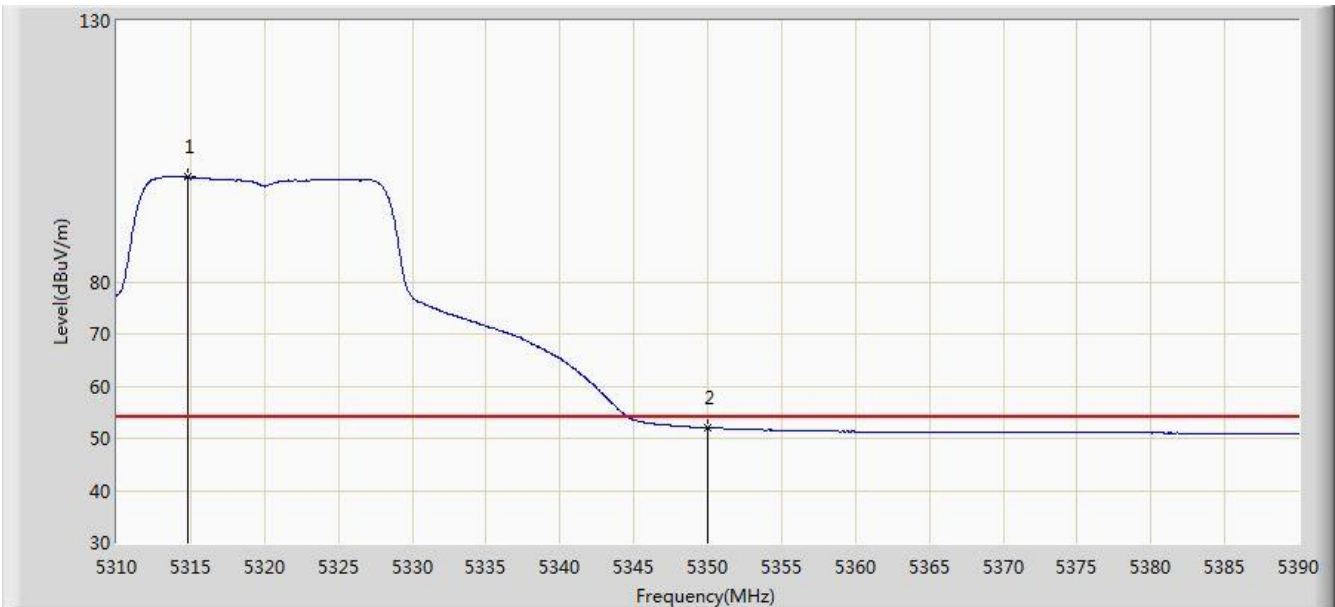


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5316.240	112.844	75.637	N/A	N/A	37.207	PK
2			5350.000	64.678	27.392	-9.322	74.000	37.286	PK
3			5352.440	65.759	28.465	-8.241	74.000	37.293	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz 1TX	

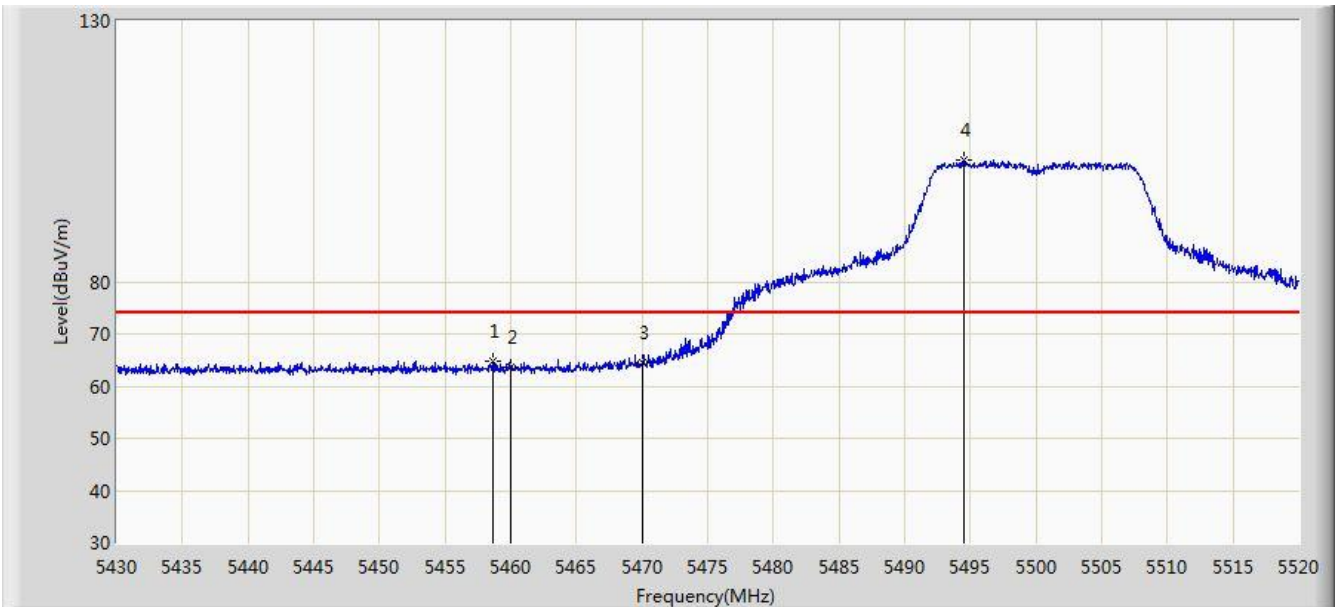


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5314.800	100.034	62.830	N/A	N/A	37.204	AV
2			5350.000	52.011	14.725	-1.989	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz 1TX	

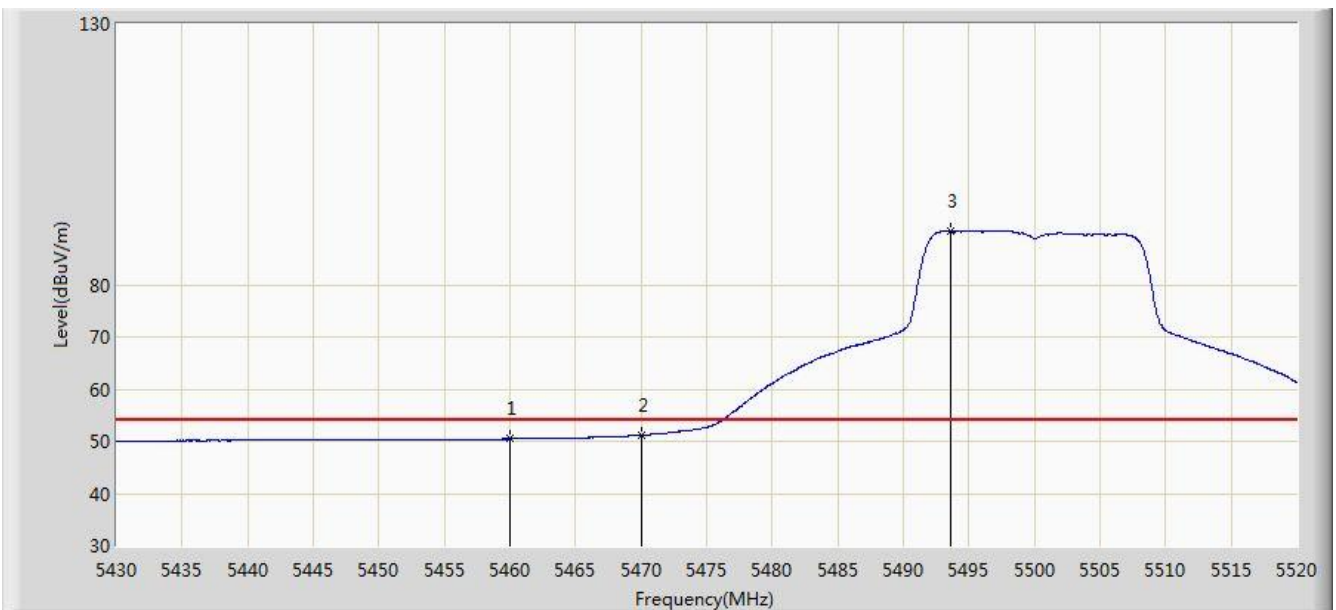


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5458.620	64.785	27.226	-9.215	74.000	37.559	PK
2			5460.000	63.683	26.120	-10.317	74.000	37.563	PK
3			5470.000	64.584	26.995	-9.416	74.000	37.588	PK
4		*	5494.530	103.348	65.730	N/A	N/A	37.618	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz 1TX	

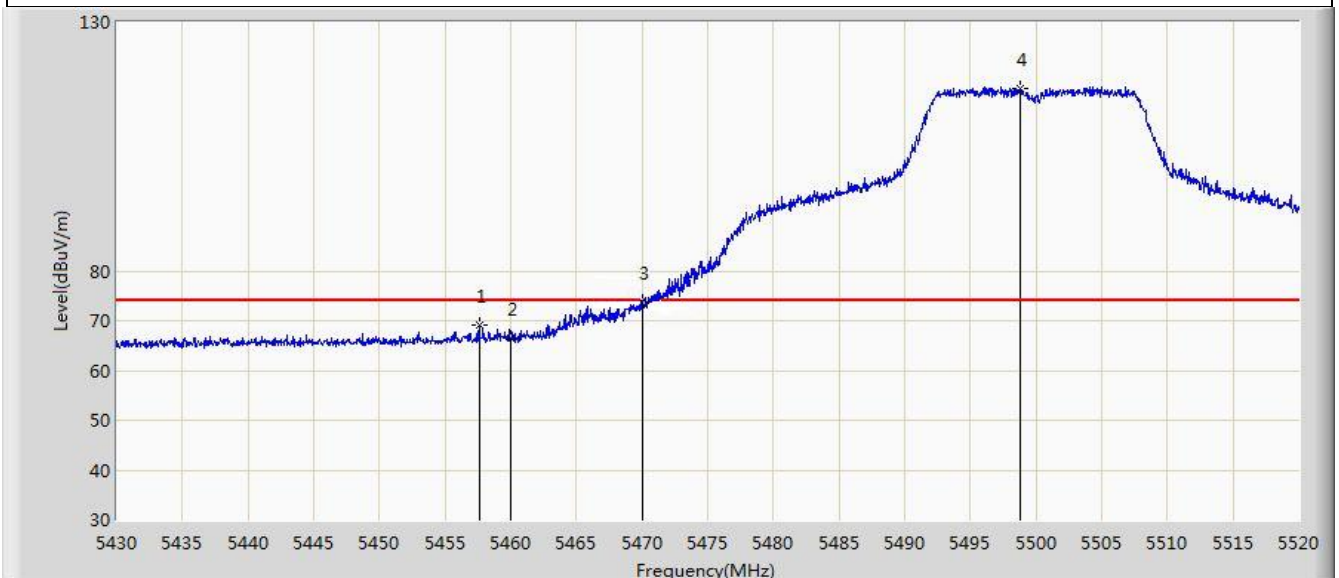


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.435	12.872	-3.565	54.000	37.563	AV
2			5470.000	51.171	13.582	-2.829	54.000	37.588	AV
3		*	5493.585	90.409	52.792	N/A	N/A	37.617	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz 1TX	

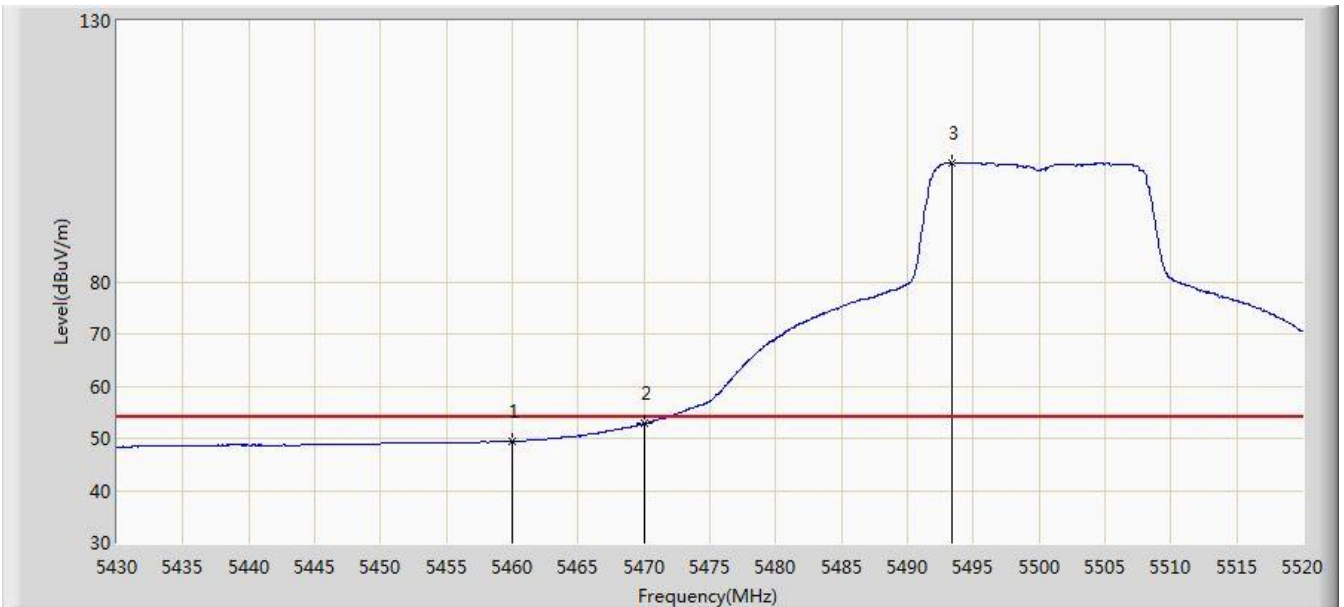


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5457.585	69.028	31.472	-4.972	74.000	37.557	PK
2			5460.000	66.557	28.994	-7.443	74.000	37.563	PK
3			5470.000	73.861	36.272	-0.139	74.000	37.588	PK
4		*	5498.850	116.755	79.132	N/A	N/A	37.623	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz 1TX	

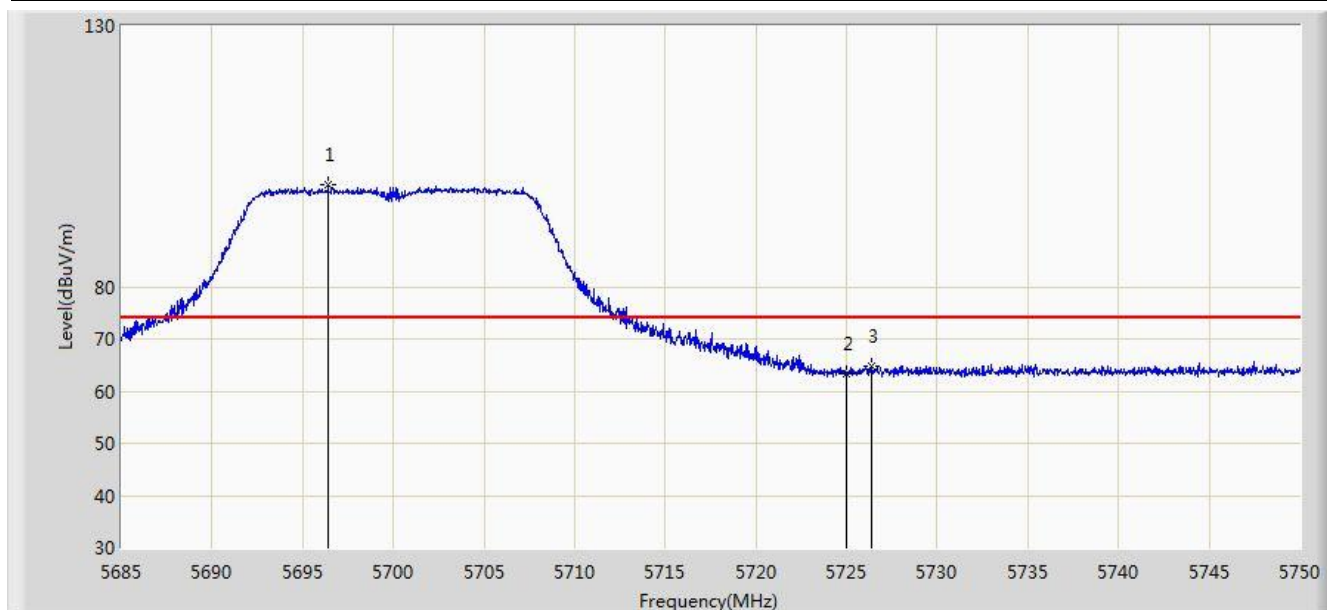


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	49.472	11.909	-4.528	54.000	37.563	AV
2			5470.000	52.817	15.229	-1.183	54.000	37.588	AV
3		*	5493.360	102.863	65.246	N/A	N/A	37.617	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz 1TX	

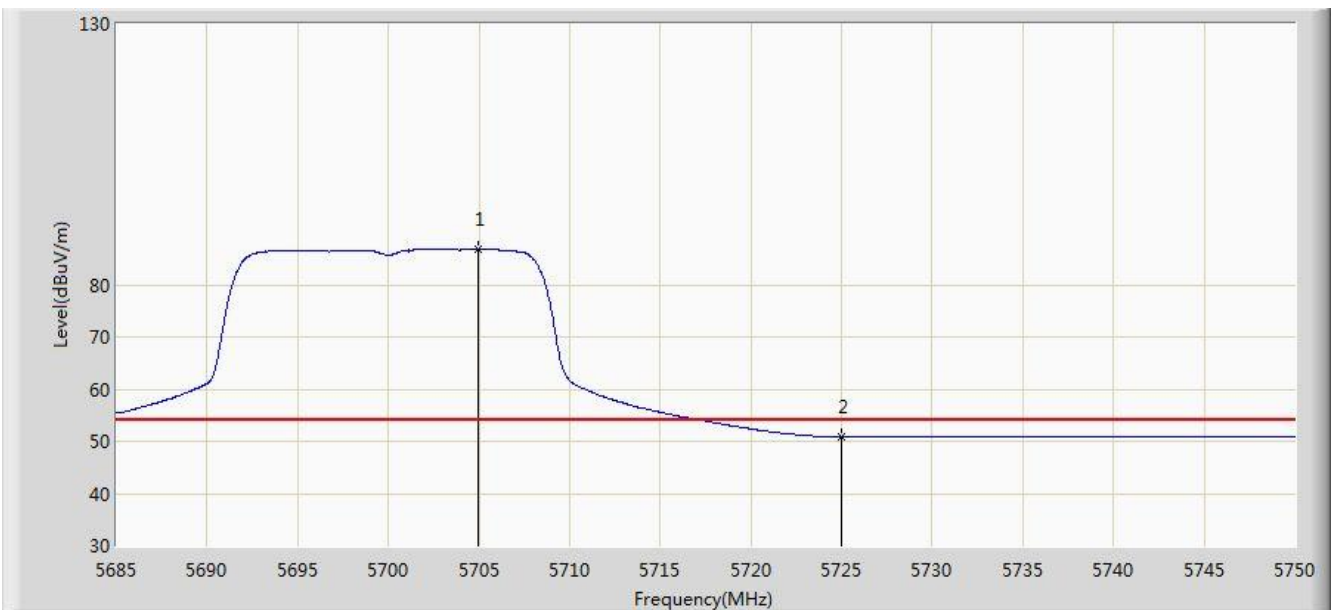


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5696.408	99.446	61.563	N/A	N/A	37.883	PK
2			5725.000	63.436	25.446	-10.564	74.000	37.990	PK
3			5726.405	64.836	26.841	-9.164	74.000	37.995	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz 1TX	

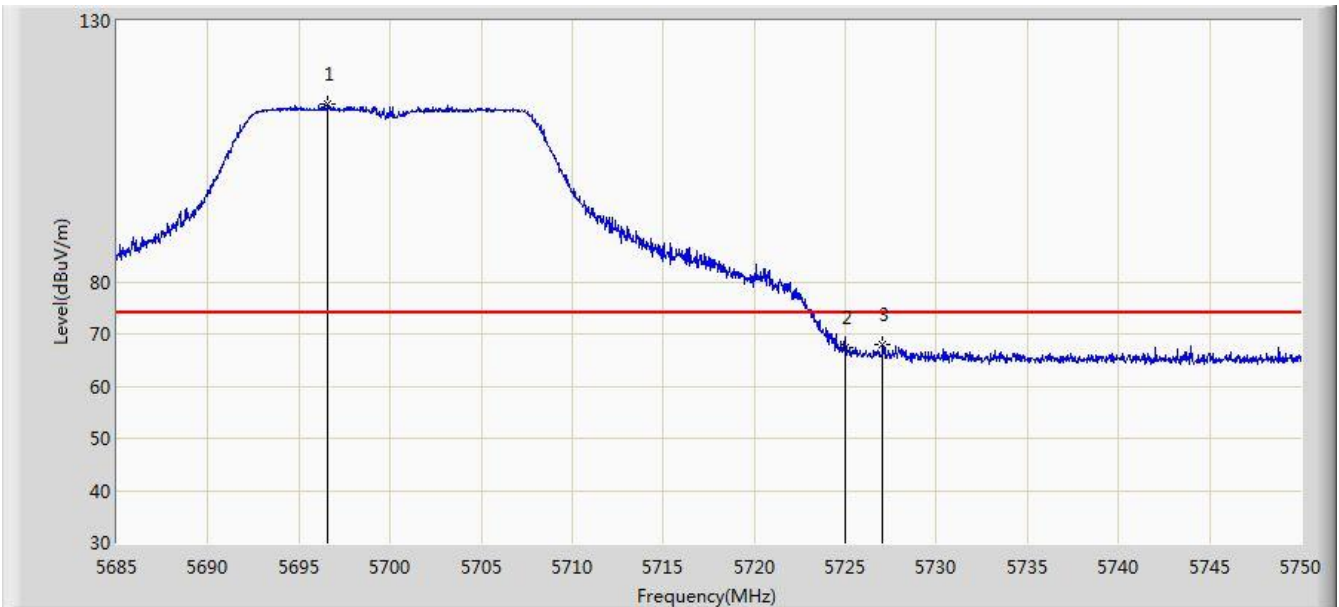


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5704.987	86.803	48.895	N/A	N/A	37.908	AV
2			5725.000	50.874	12.884	-3.126	54.000	37.990	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz 1TX	

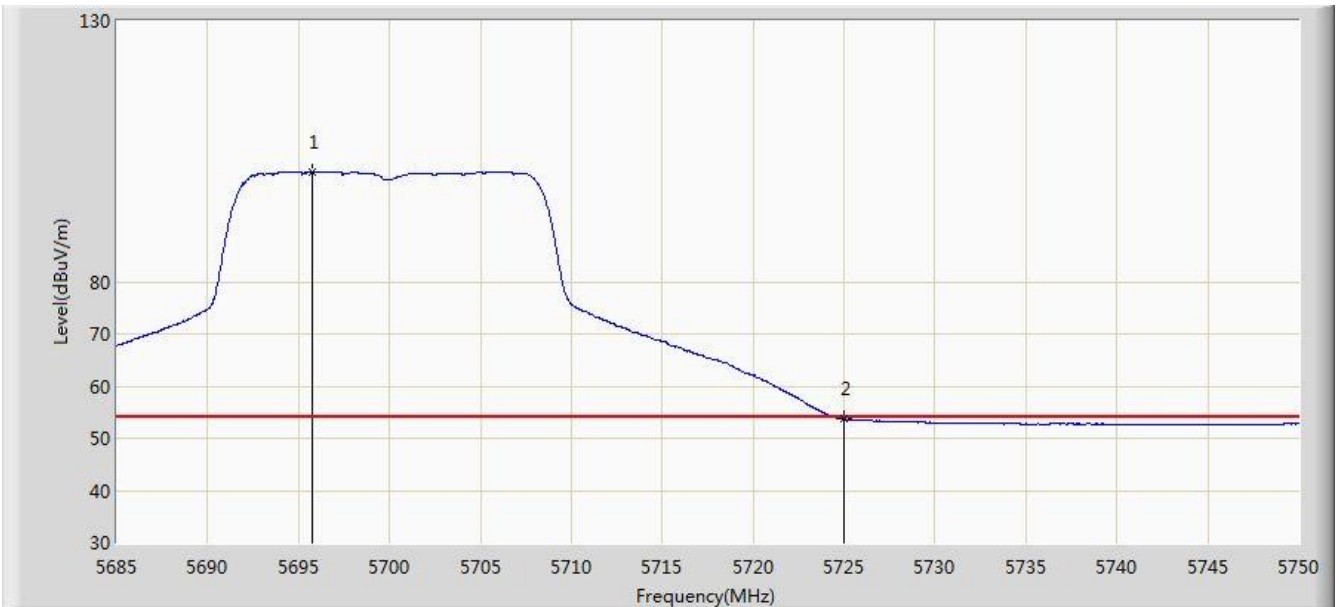


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5696.603	114.013	76.129	N/A	N/A	37.884	PK
2			5725.000	67.283	29.293	-6.717	74.000	37.990	PK
3			5727.055	68.050	30.052	-5.950	74.000	37.998	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz 1TX	

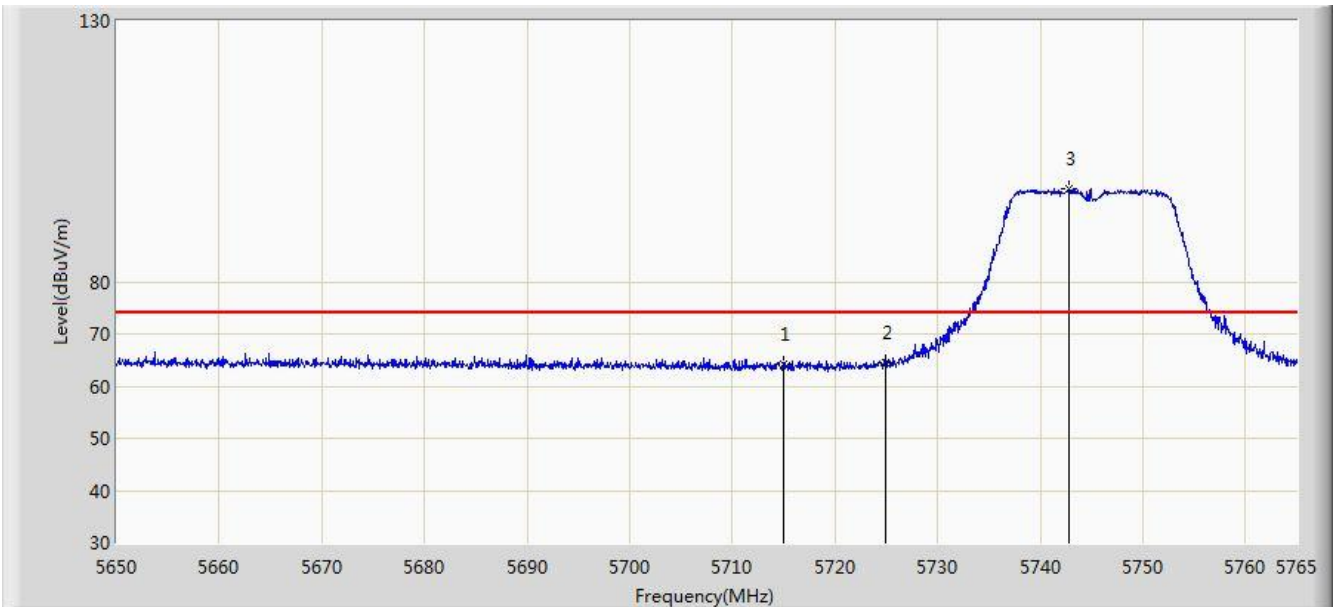


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5695.725	100.983	63.101	N/A	N/A	37.882	AV
2			5725.000	53.682	15.692	-0.318	54.000	37.990	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz 1TX	

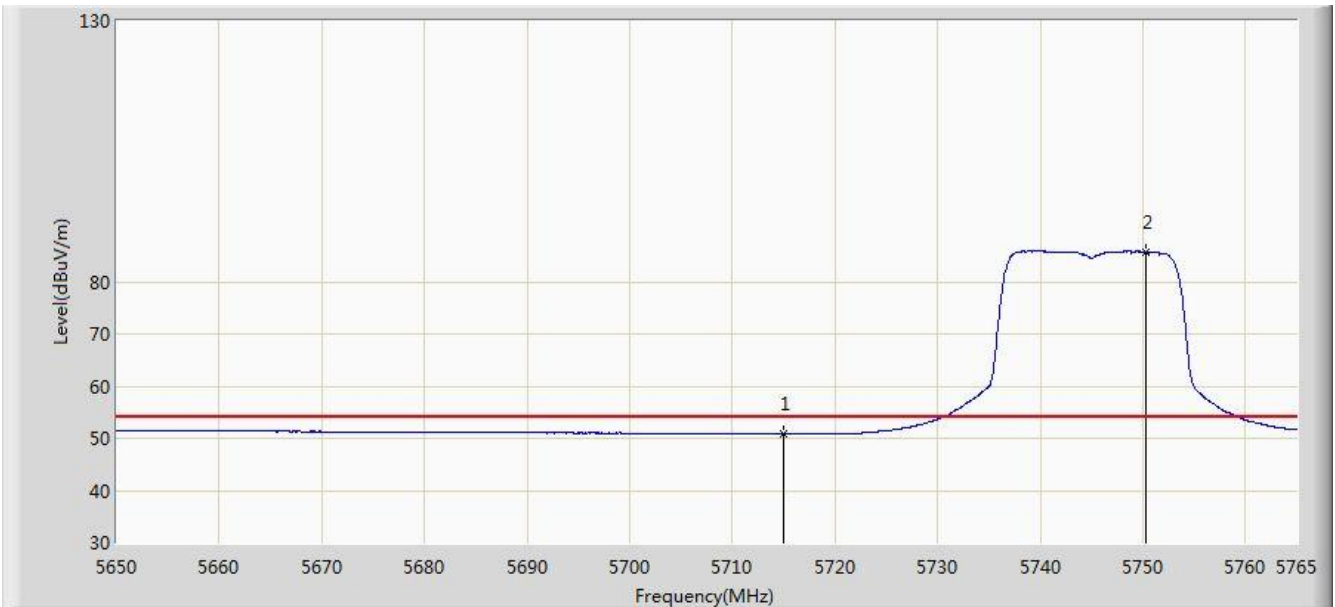


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	64.119	26.170	-9.881	74.000	37.949	PK
2			5725.000	64.604	26.614	-13.596	78.200	37.990	PK
3		*	5742.862	97.776	59.714	N/A	N/A	38.062	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz 1TX	

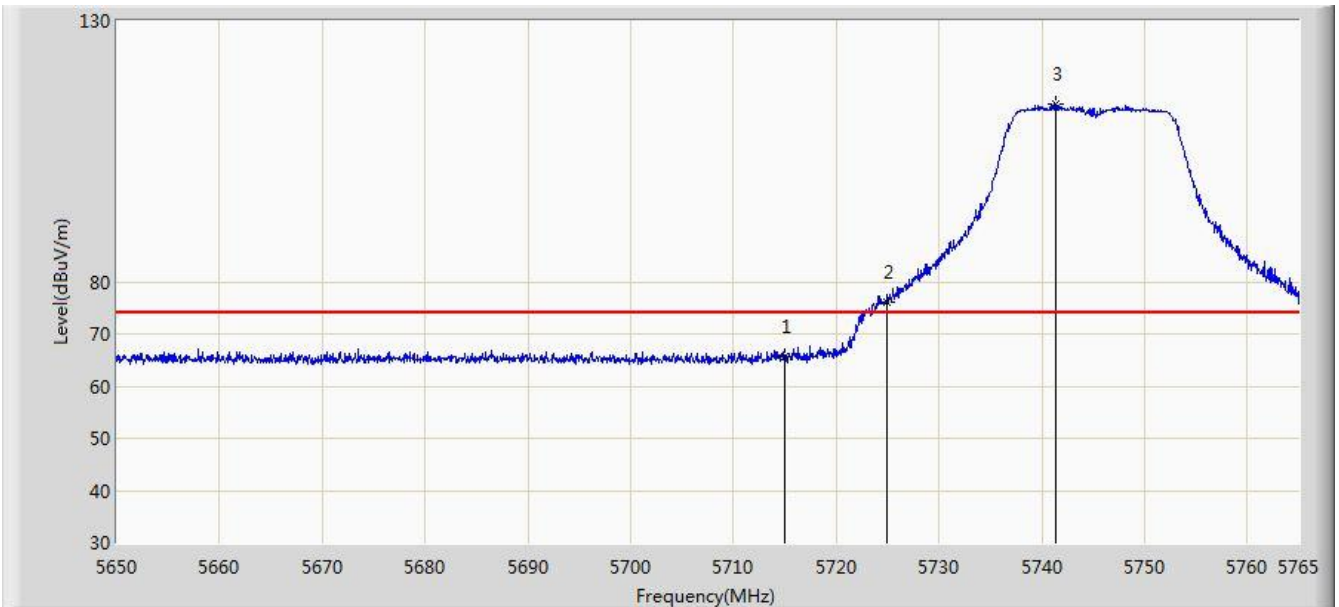


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	50.846	12.897	-3.154	54.000	37.949	AV
2		*	5750.280	85.781	47.684	N/A	N/A	38.097	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz 1TX	

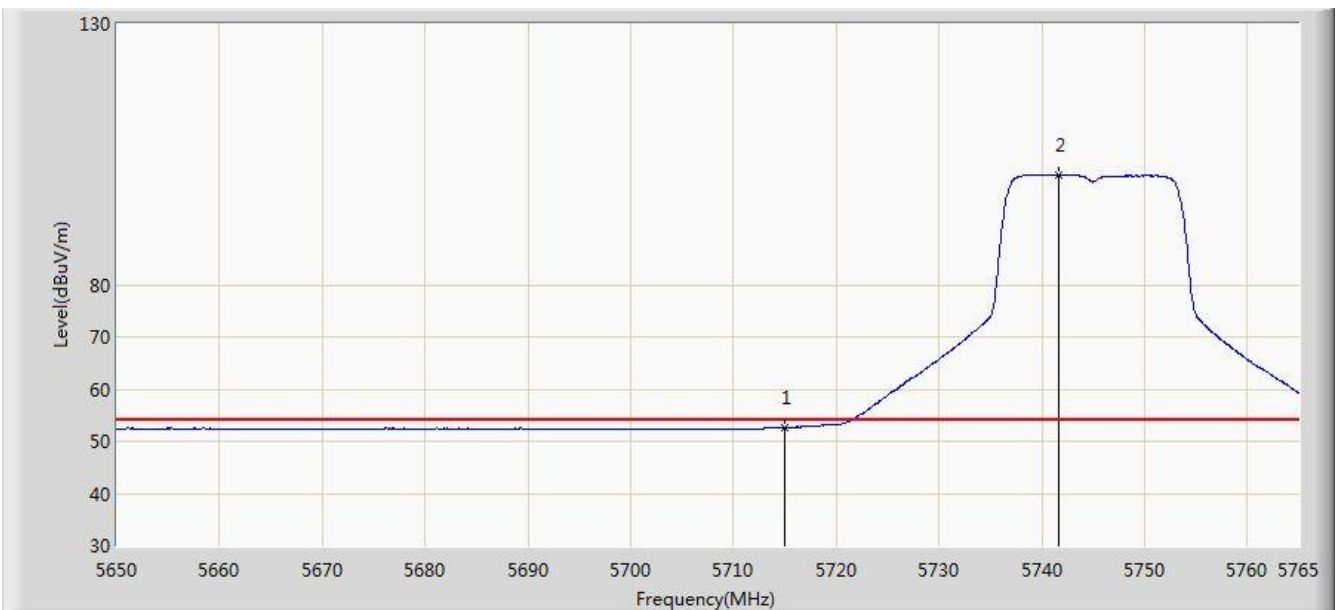


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	65.708	27.759	-8.292	74.000	37.949	PK
2			5725.000	76.179	38.189	-2.021	78.200	37.990	PK
3		*	5741.368	114.054	75.998	N/A	N/A	38.057	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz 1TX	

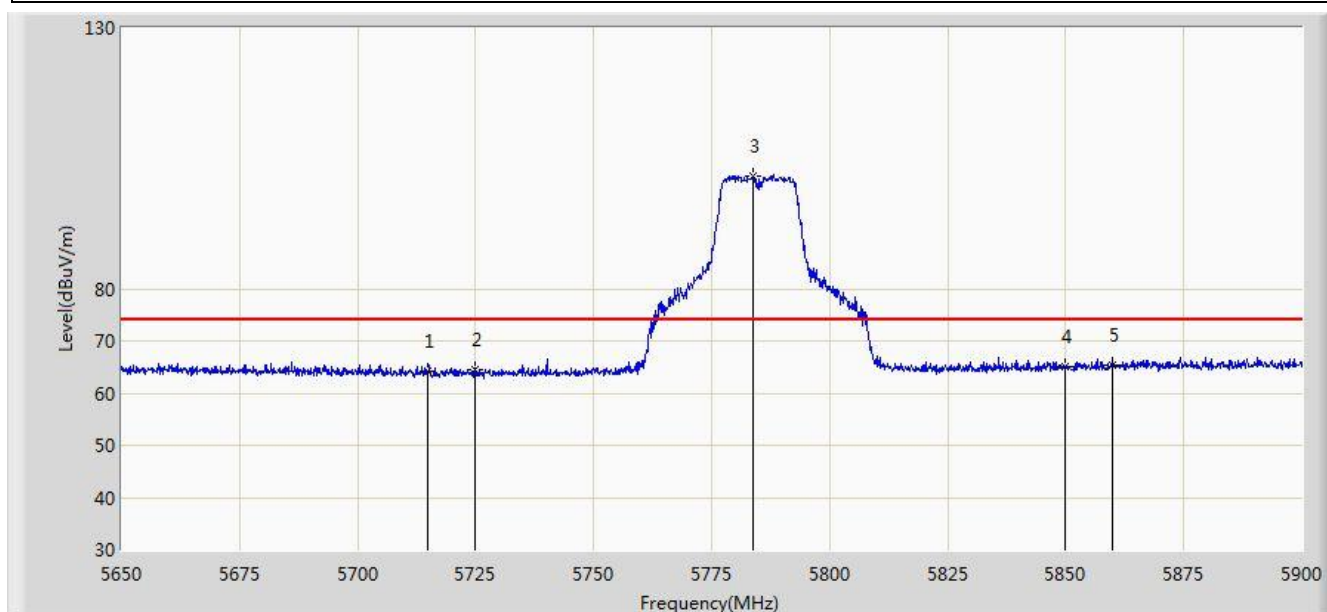


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	52.568	14.619	-1.432	54.000	37.949	AV
2		*	5741.712	100.965	62.908	N/A	N/A	38.058	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5785MHz 1TX	

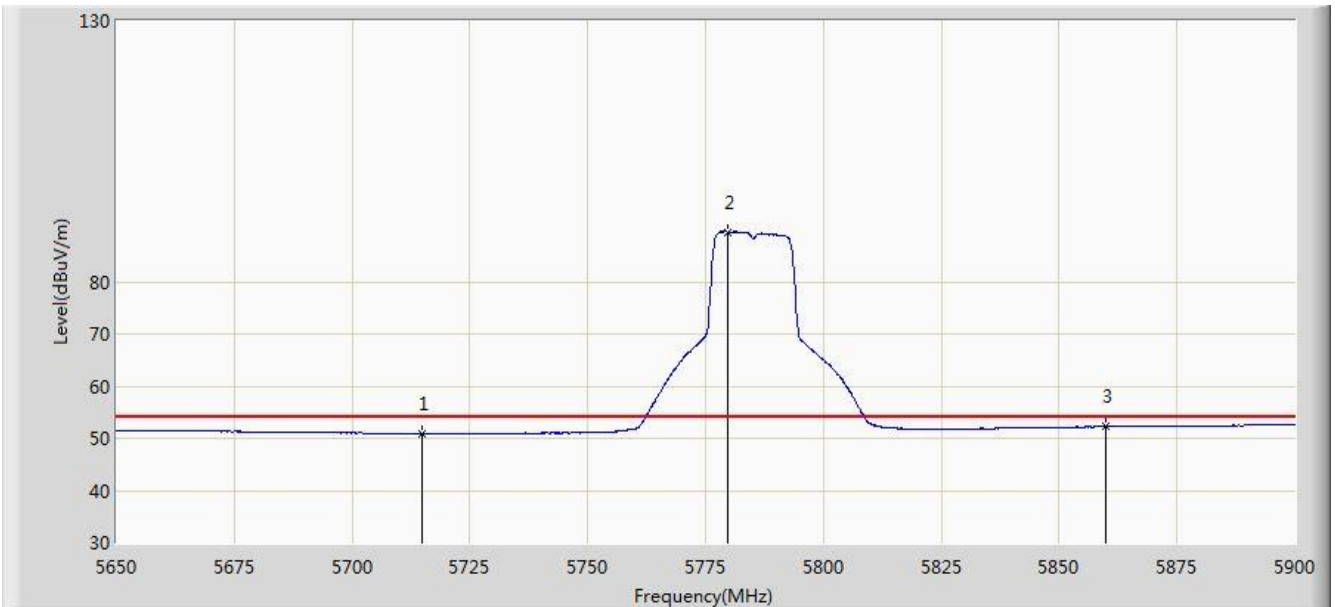


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	64.214	26.265	-9.786	74.000	37.949	PK
2			5725.000	64.544	26.554	-13.656	78.200	37.990	PK
3		*	5783.625	101.586	63.379	N/A	N/A	38.207	PK
4			5850.000	65.058	26.605	-13.142	78.200	38.454	PK
5			5860.000	65.318	26.840	-8.682	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5785MHz 1TX	

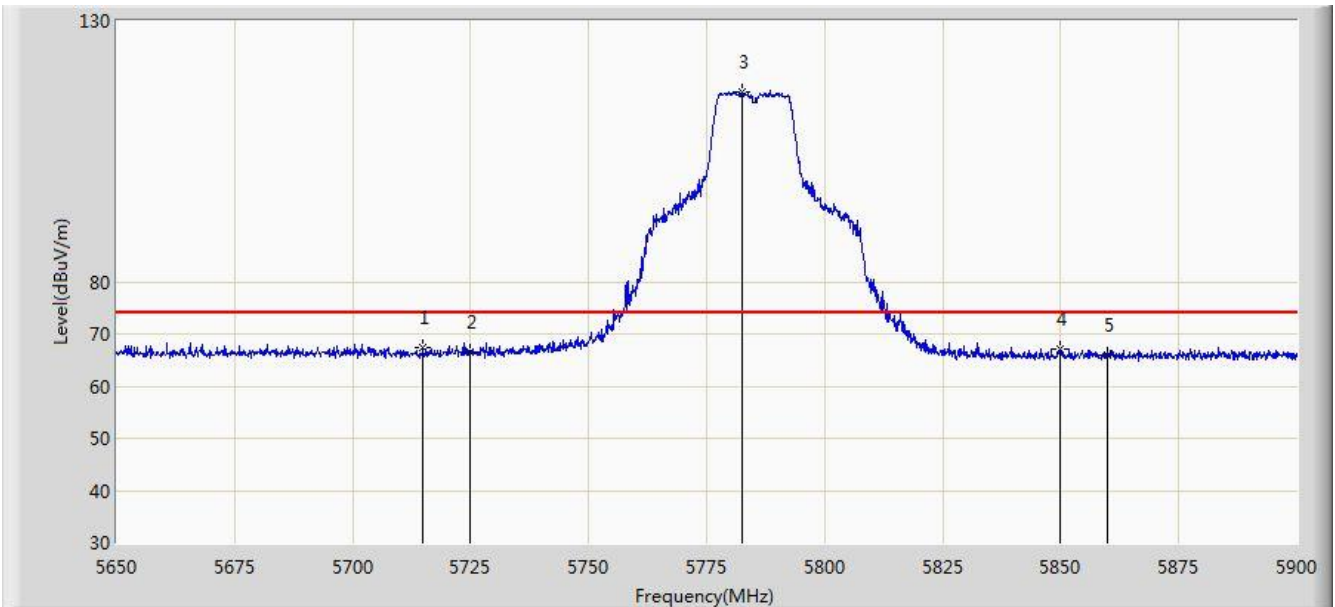


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	50.895	12.946	-3.105	54.000	37.949	AV
2		*	5779.750	89.524	51.331	N/A	N/A	38.193	AV
3			5860.000	52.226	13.748	-1.774	54.000	38.478	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5785MHz 1TX	

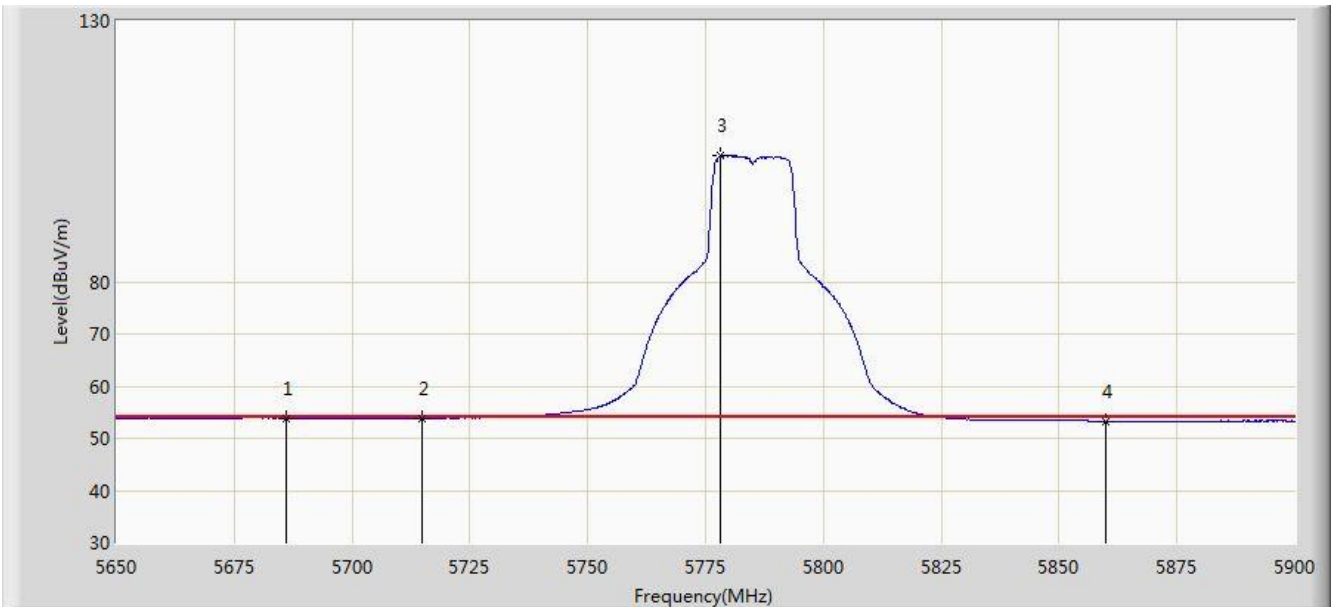


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.314	29.365	-6.686	74.000	37.949	PK
2			5725.000	66.592	28.602	-11.608	78.200	37.990	PK
3		*	5782.500	116.519	78.316	N/A	N/A	38.204	PK
4			5850.000	66.964	28.511	-11.236	78.200	38.454	PK
5			5860.000	65.900	27.422	-8.100	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5785MHz 1TX	

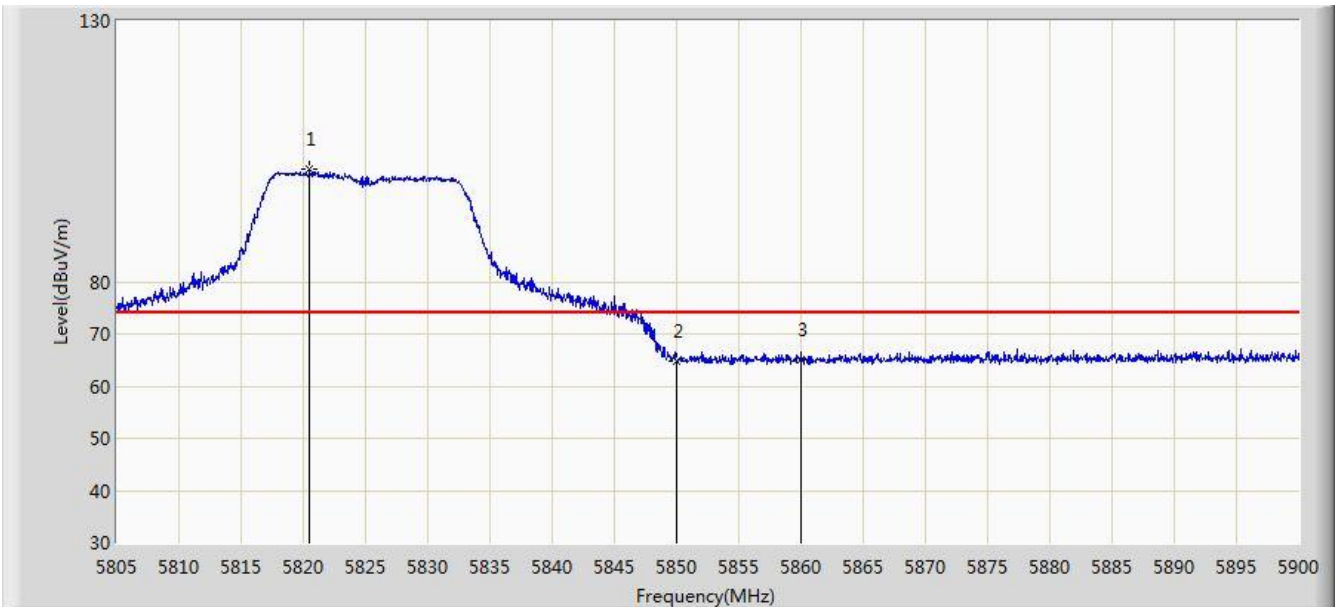


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5686.000	53.845	15.994	-0.155	54.000	37.851	AV
2			5715.000	53.819	15.870	-0.181	54.000	37.949	AV
3		*	5778.125	104.078	65.891	N/A	N/A	38.188	AV
4			5860.000	53.281	14.803	-0.719	54.000	38.478	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz 1TX	

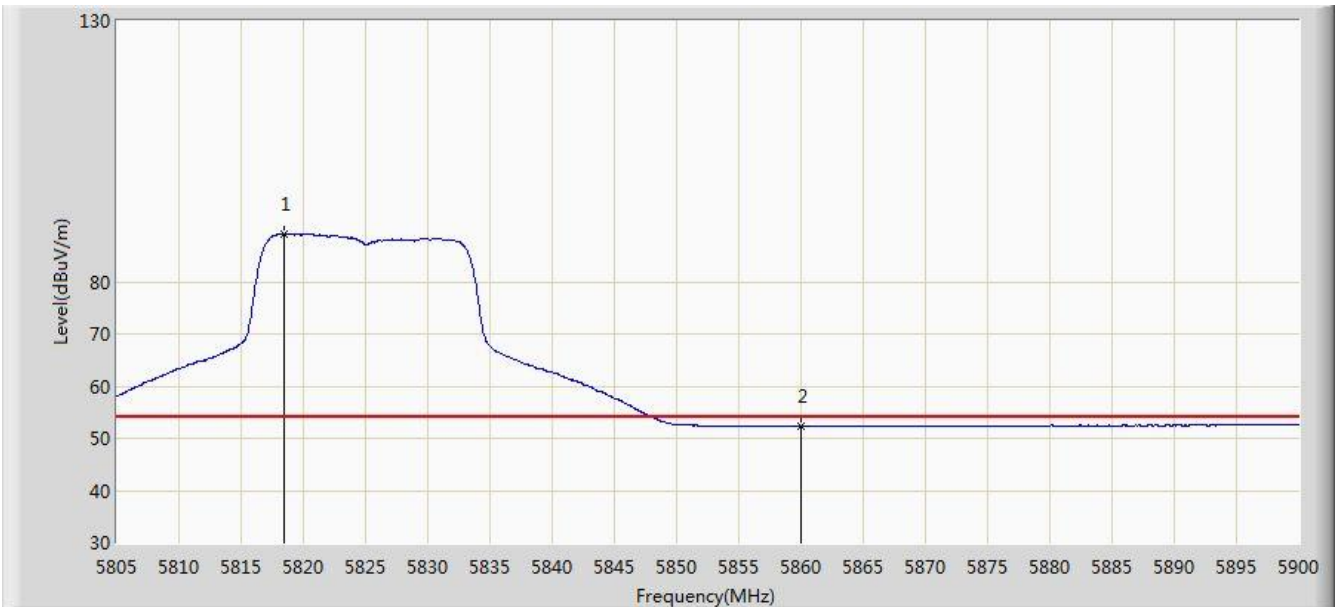


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.485	101.465	63.128	N/A	N/A	38.337	PK
2			5850.000	64.764	26.311	-13.436	78.200	38.454	PK
3			5860.000	65.123	26.645	-8.877	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz 1TX	

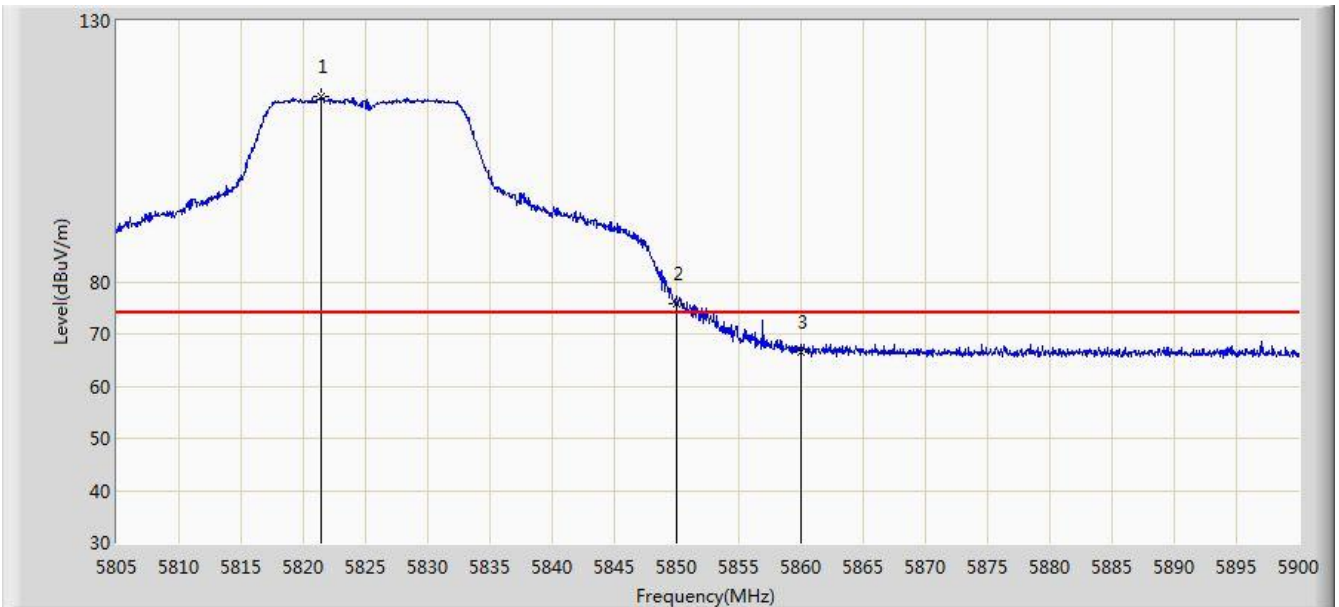


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5818.395	89.164	50.836	N/A	N/A	38.329	AV
2			5860.000	52.296	13.818	-1.704	54.000	38.478	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz 1TX	

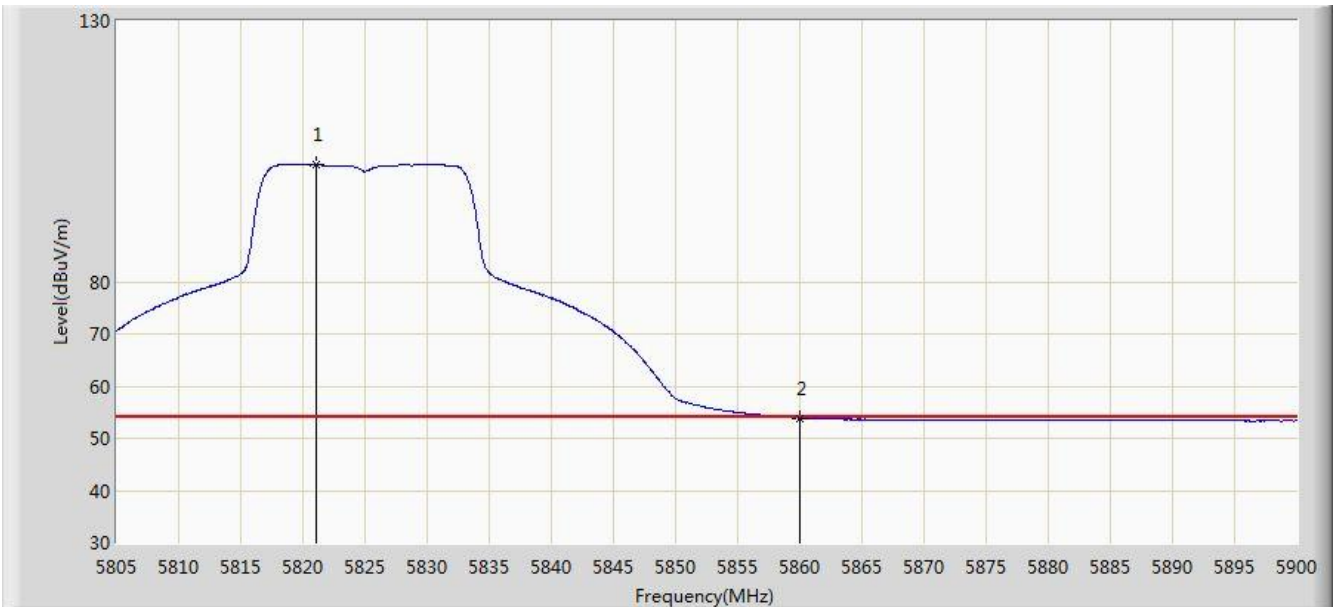


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.482	115.540	77.199	N/A	N/A	38.341	PK
2			5850.000	75.920	37.467	-2.28	78.200	38.454	PK
3			5860.000	66.588	28.110	-7.412	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/09 - 13:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz 1TX	

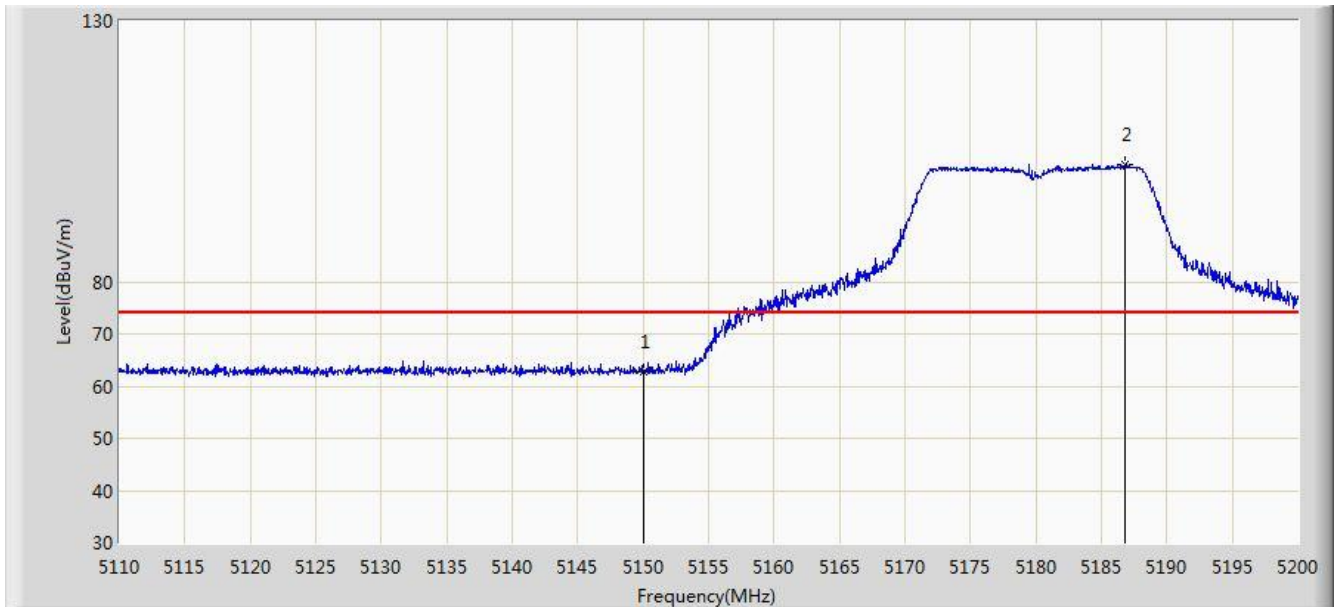


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.055	102.389	64.050	N/A	N/A	38.340	AV
2			5860.000	53.885	15.407	-0.115	54.000	38.478	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 14:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz 2TX	

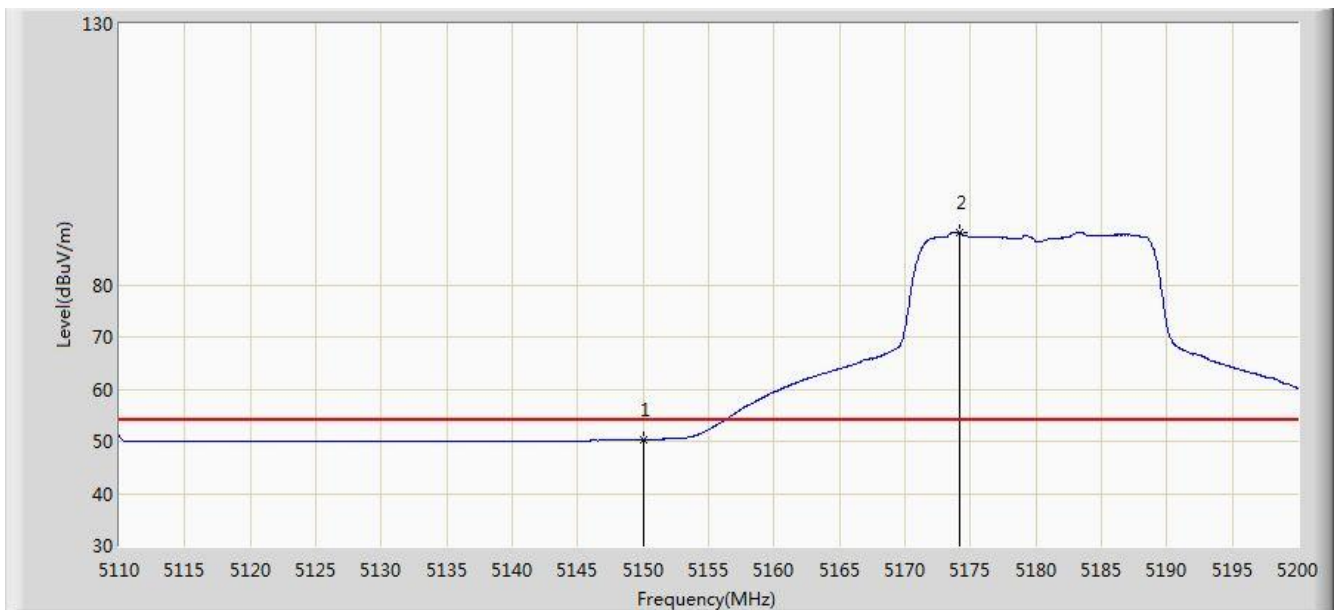


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	62.727	25.275	-11.273	74.000	37.452	PK
2		*	5186.815	102.327	64.970	N/A	N/A	37.357	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 14:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz 2TX	

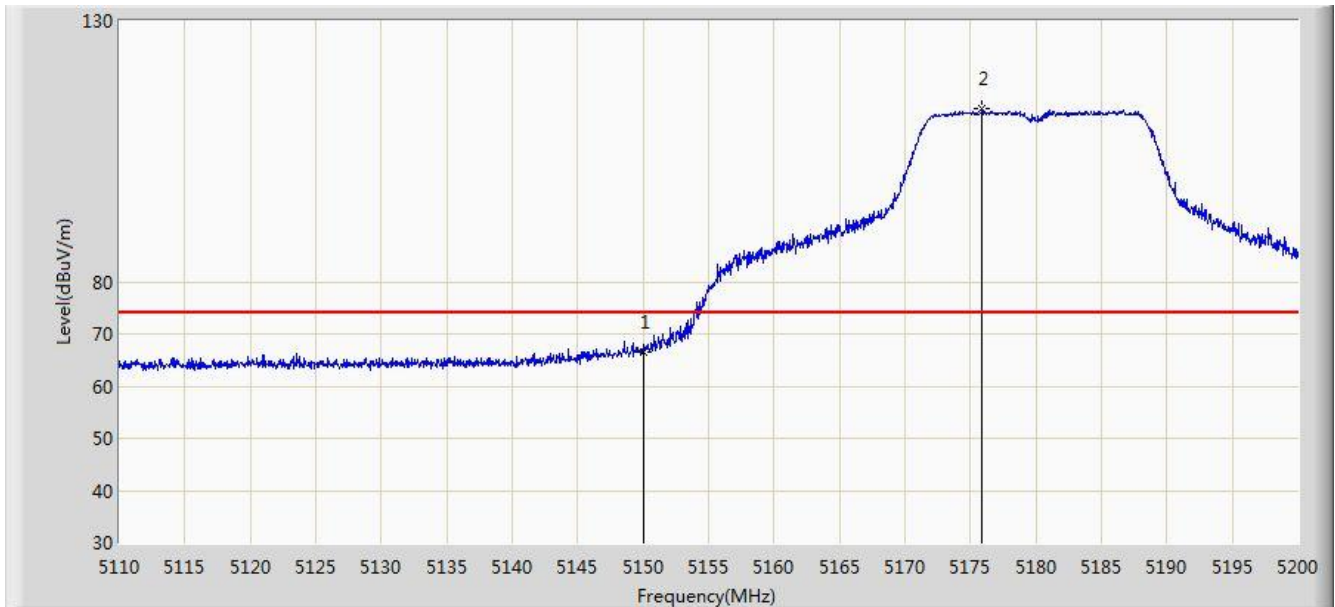


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.308	12.856	-3.692	54.000	37.452	AV
2		*	5174.215	90.095	52.708	N/A	N/A	37.387	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 14:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz 2TX	

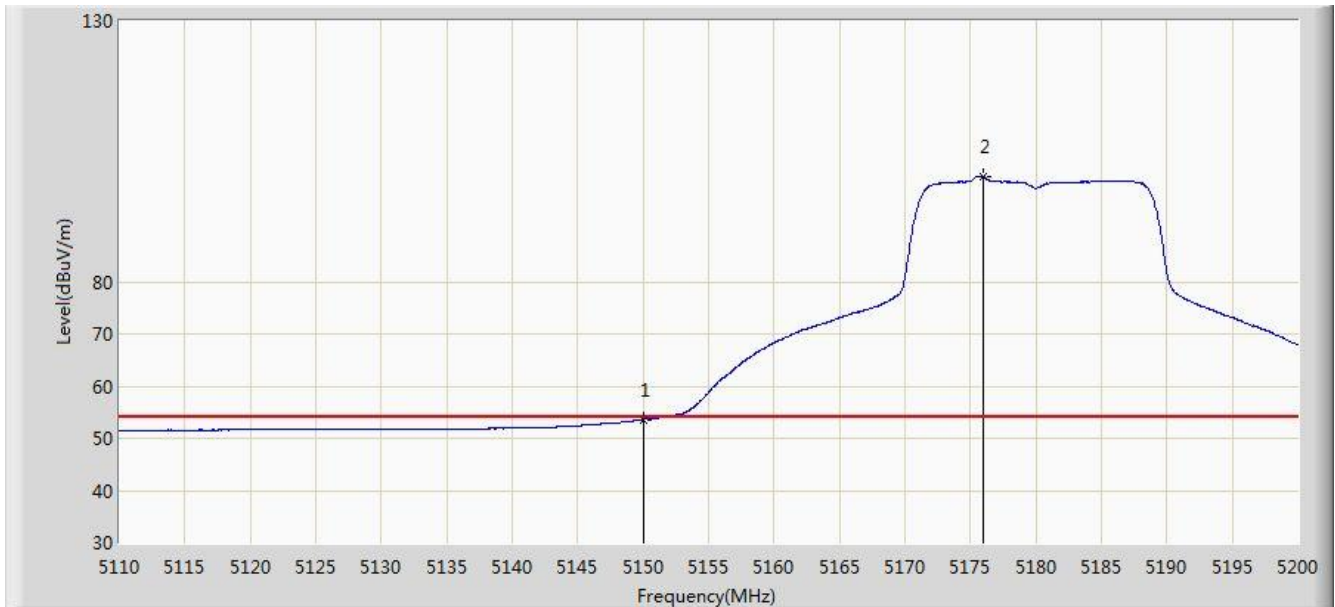


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	66.636	29.184	-7.364	74.000	37.452	PK
2		*	5175.880	113.169	75.786	N/A	N/A	37.383	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 14:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz 2TX	

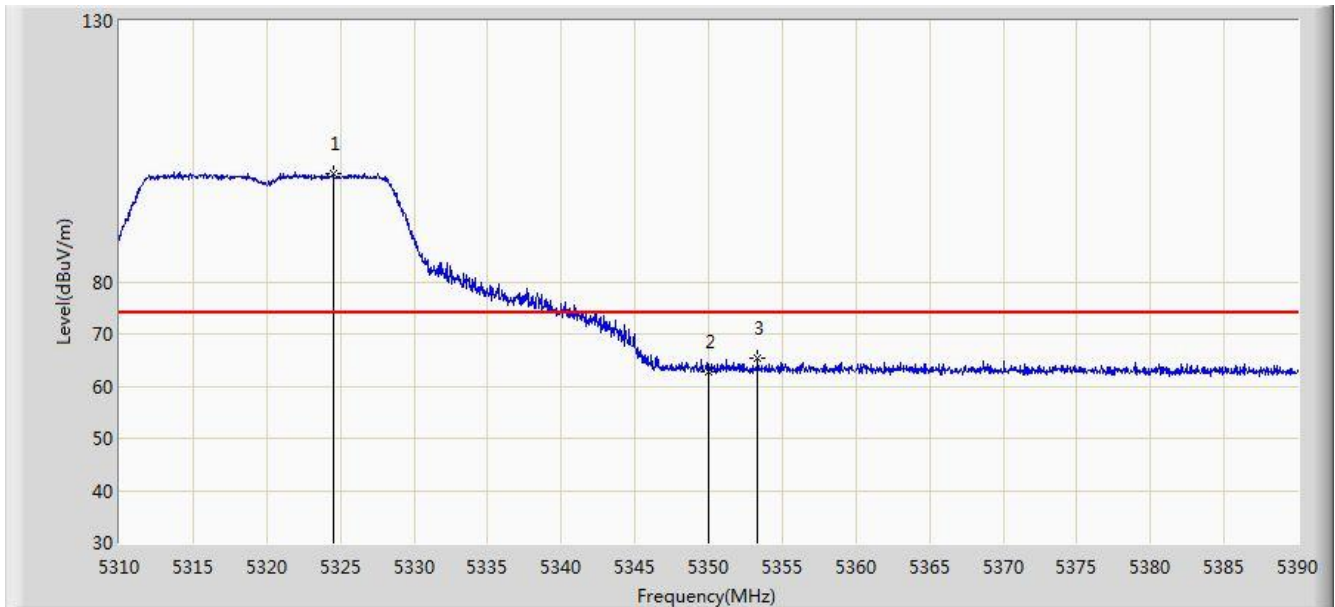


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.616	16.164	-0.384	54.000	37.452	AV
2		*	5176.015	100.262	62.879	N/A	N/A	37.383	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 14:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz 2TX	

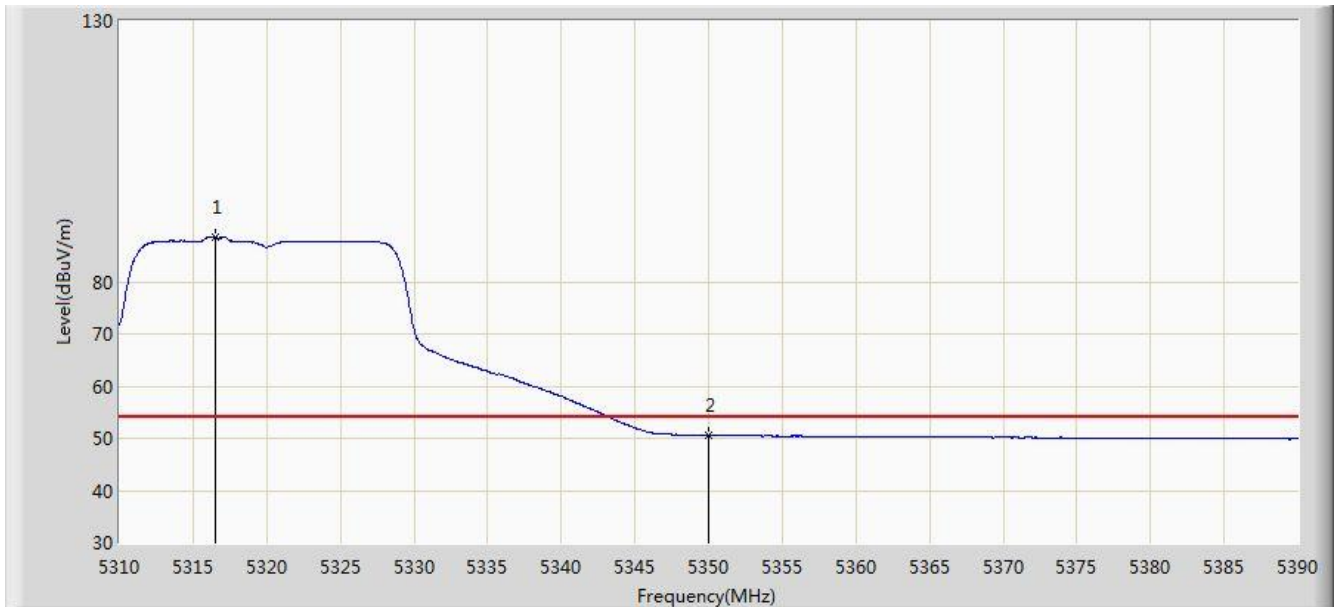


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5324.520	100.759	63.537	N/A	N/A	37.222	PK
2			5350.000	62.881	25.595	-11.119	74.000	37.286	PK
3			5353.320	65.278	27.982	-8.722	74.000	37.296	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 14:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz 2TX	

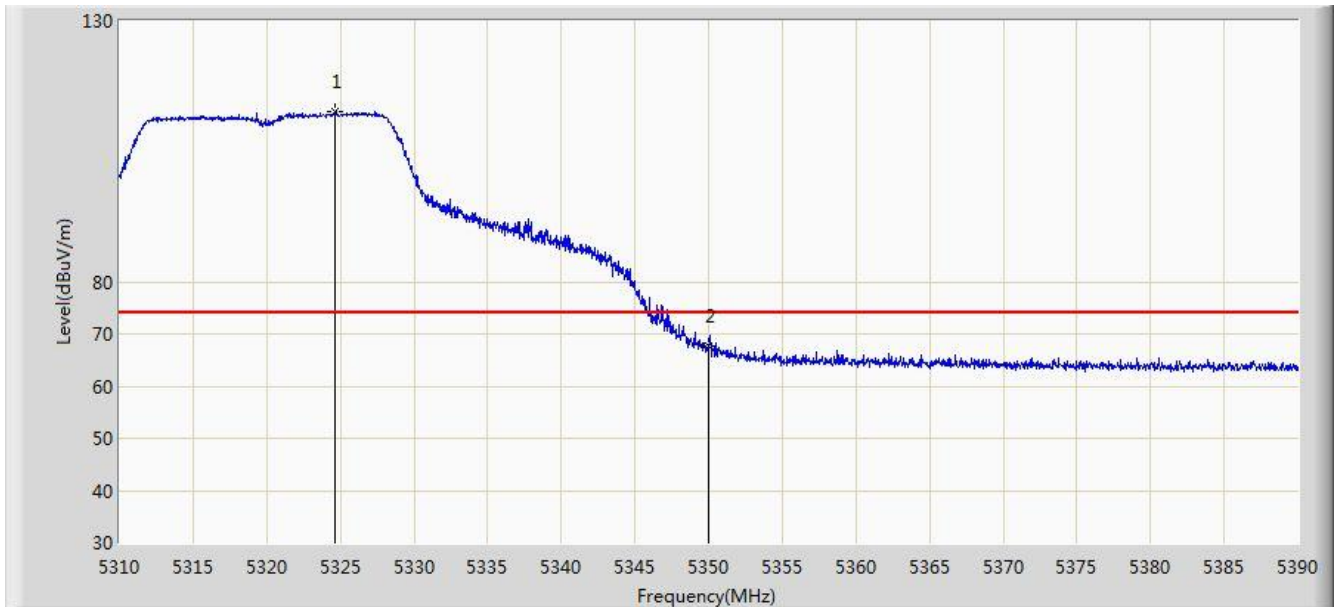


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5316.560	88.549	51.342	N/A	N/A	37.208	AV
2			5350.000	50.569	13.283	-3.431	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 14:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz 2TX	

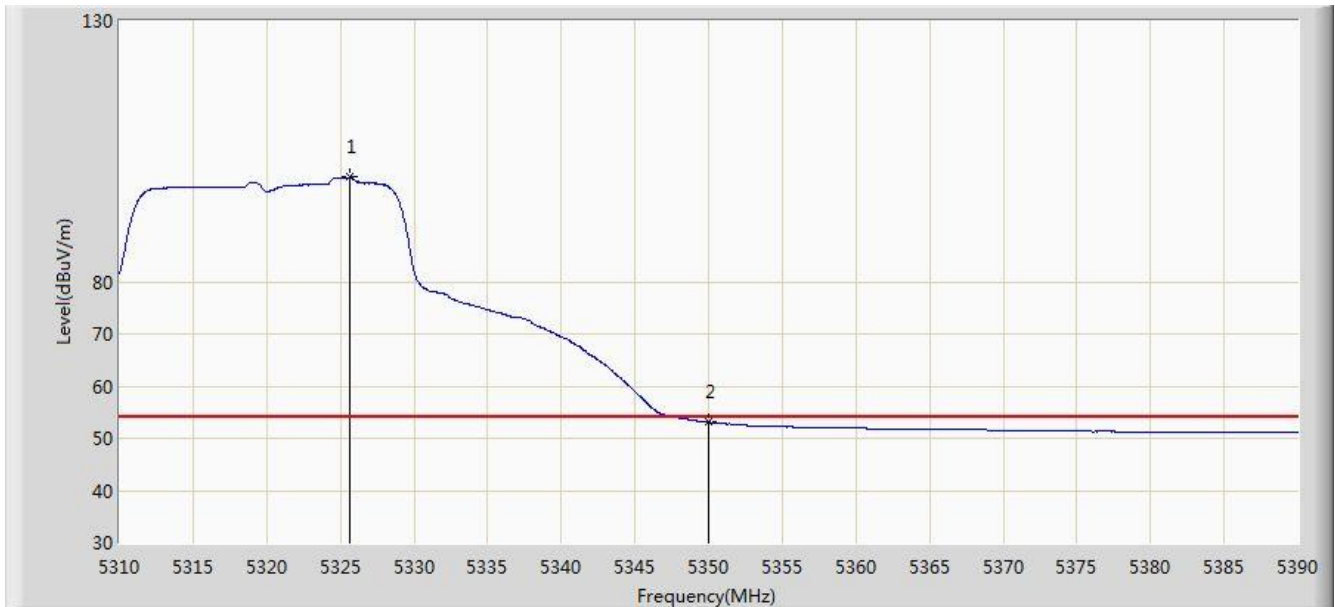


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5324.680	112.479	75.257	N/A	N/A	37.222	PK
2			5350.000	67.544	30.258	-6.456	74.000	37.286	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 14:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz 2TX	

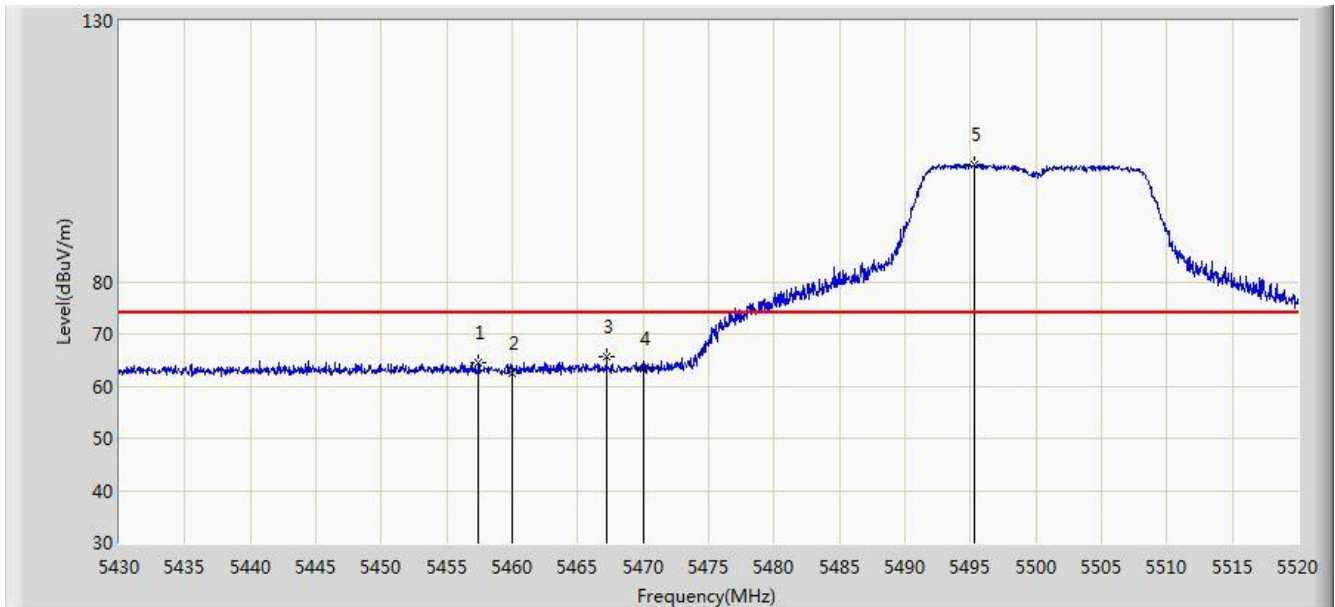


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5325.640	100.002	62.779	N/A	N/A	37.224	AV
2			5350.000	53.045	15.759	-0.955	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 14:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz 2TX	

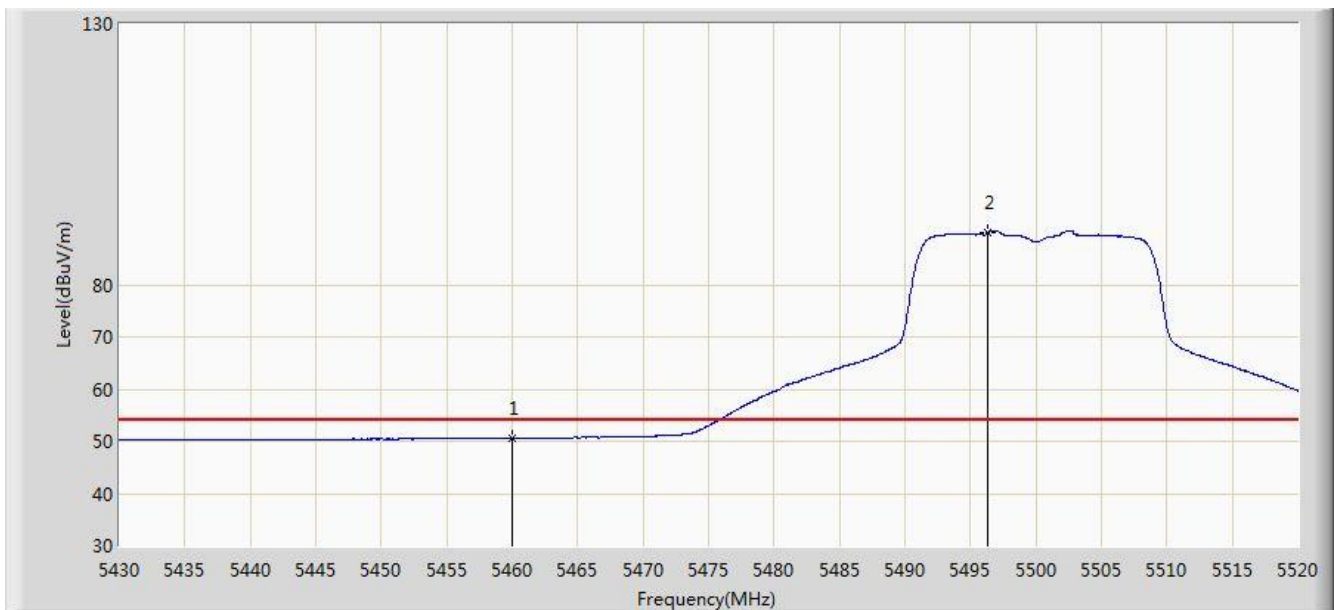


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5457.450	64.607	27.051	-9.393	74.000	37.555	PK
2			5460.000	62.572	25.009	-11.428	74.000	37.563	PK
3			5467.215	65.574	27.993	-8.426	74.000	37.581	PK
4			5470.000	63.257	25.668	-10.743	74.000	37.588	PK
5		*	5495.340	102.554	64.935	N/A	N/A	37.619	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 14:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz 2TX	

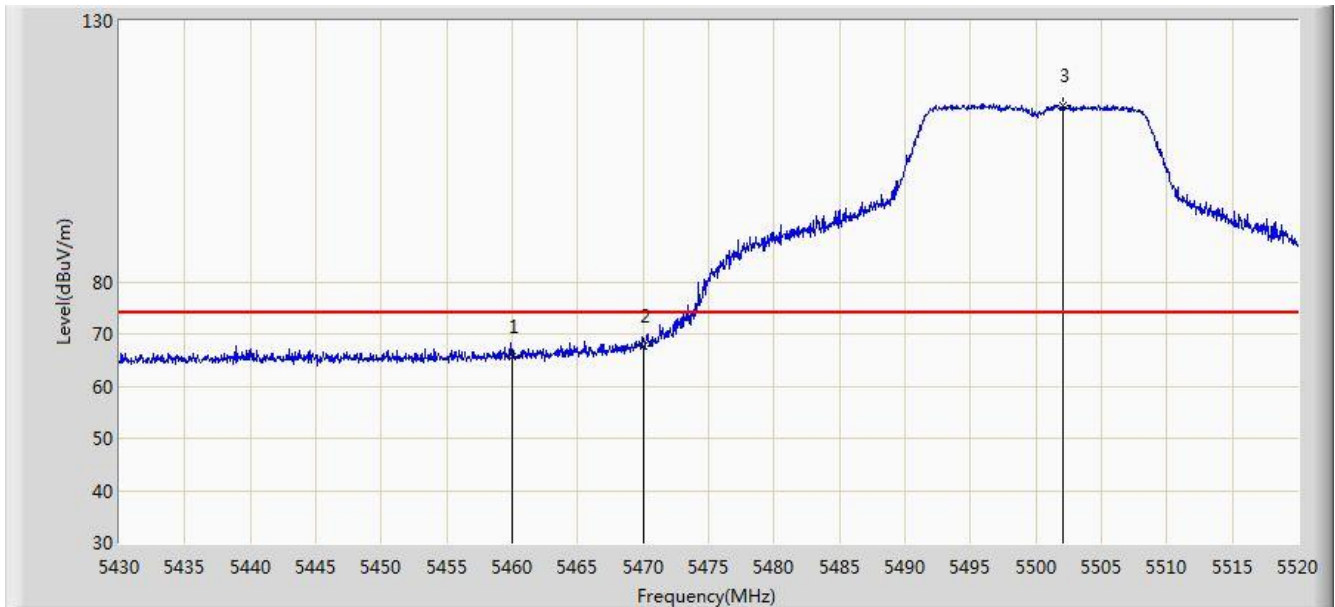


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.579	13.016	-3.421	54.000	37.563	AV
2		*	5496.330	90.122	52.502	N/A	N/A	37.620	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 14:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz 2TX	

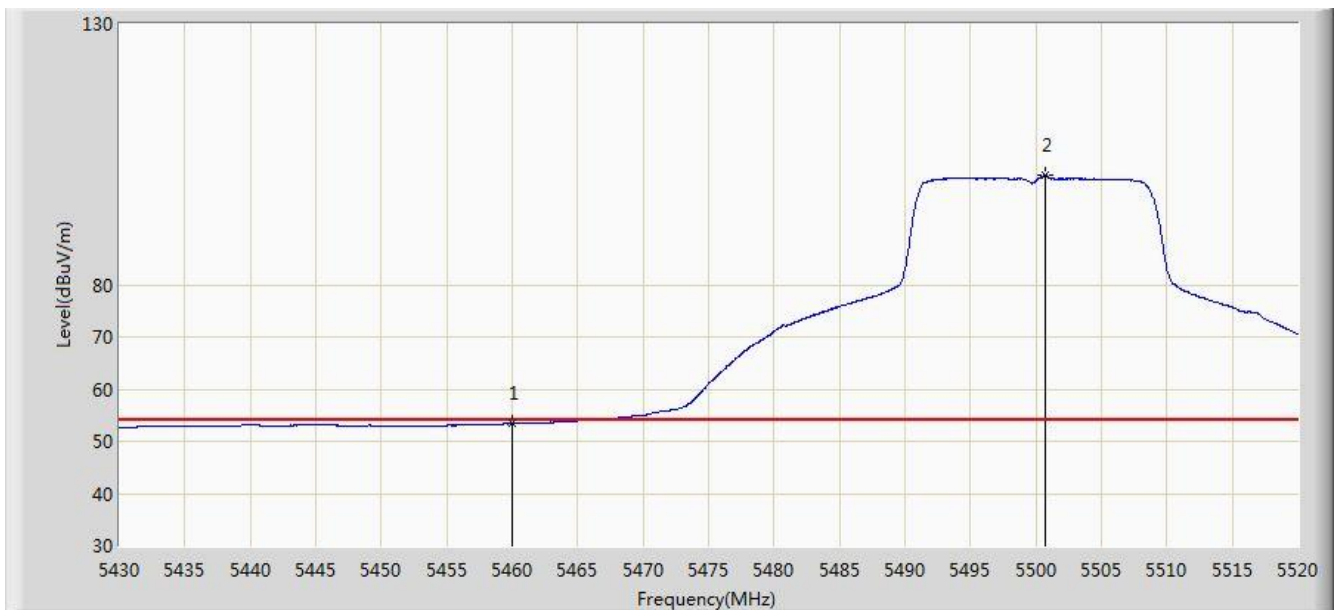


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	65.622	28.059	-8.378	74.000	37.563	PK
2			5470.000	67.753	30.164	-6.247	74.000	37.588	PK
3		*	5502.090	113.804	76.177	N/A	N/A	37.627	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 14:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz 2TX	

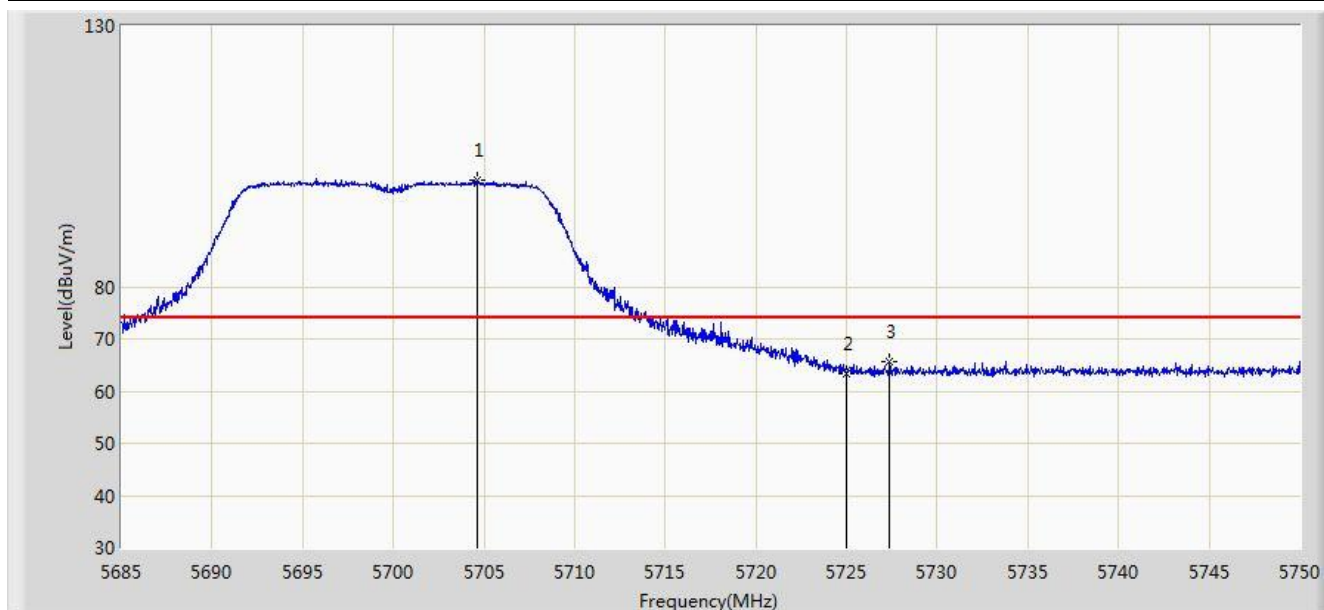


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	53.356	15.793	-0.644	54.000	37.563	AV
2		*	5500.740	101.001	63.376	N/A	N/A	37.625	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5700MHz 2TX	

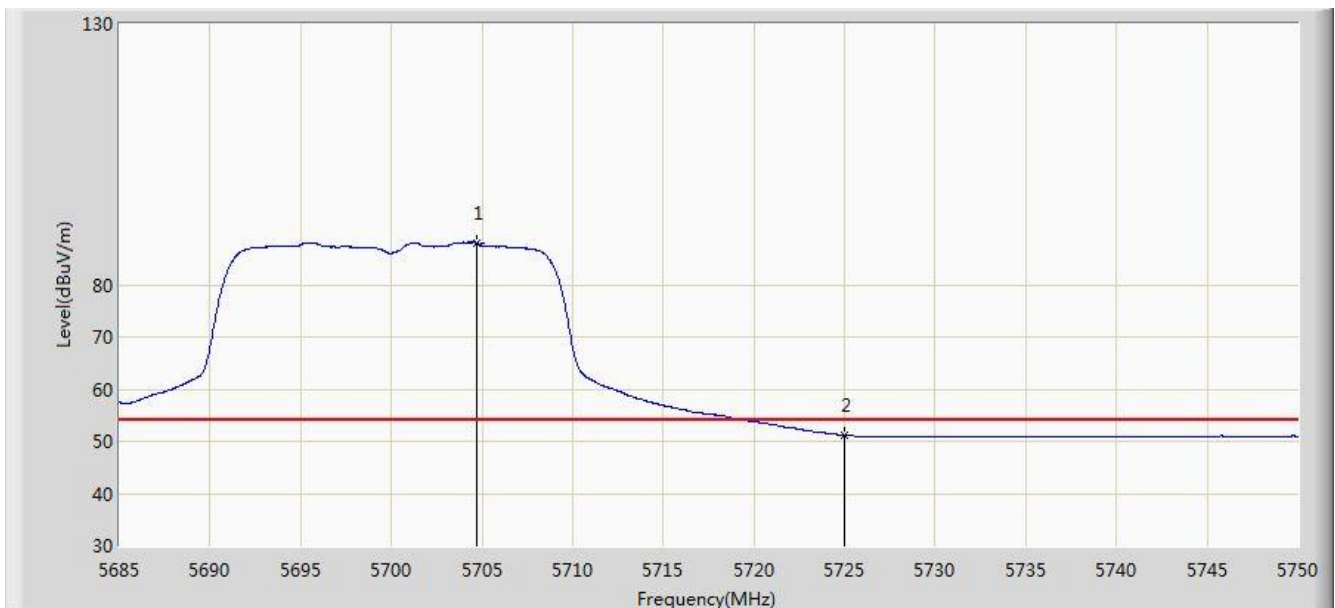


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5704.630	100.404	62.498	N/A	N/A	37.907	PK
2			5725.000	63.189	25.199	-10.811	74.000	37.990	PK
3			5727.380	65.586	27.587	-8.414	74.000	37.999	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5700MHz 2TX	

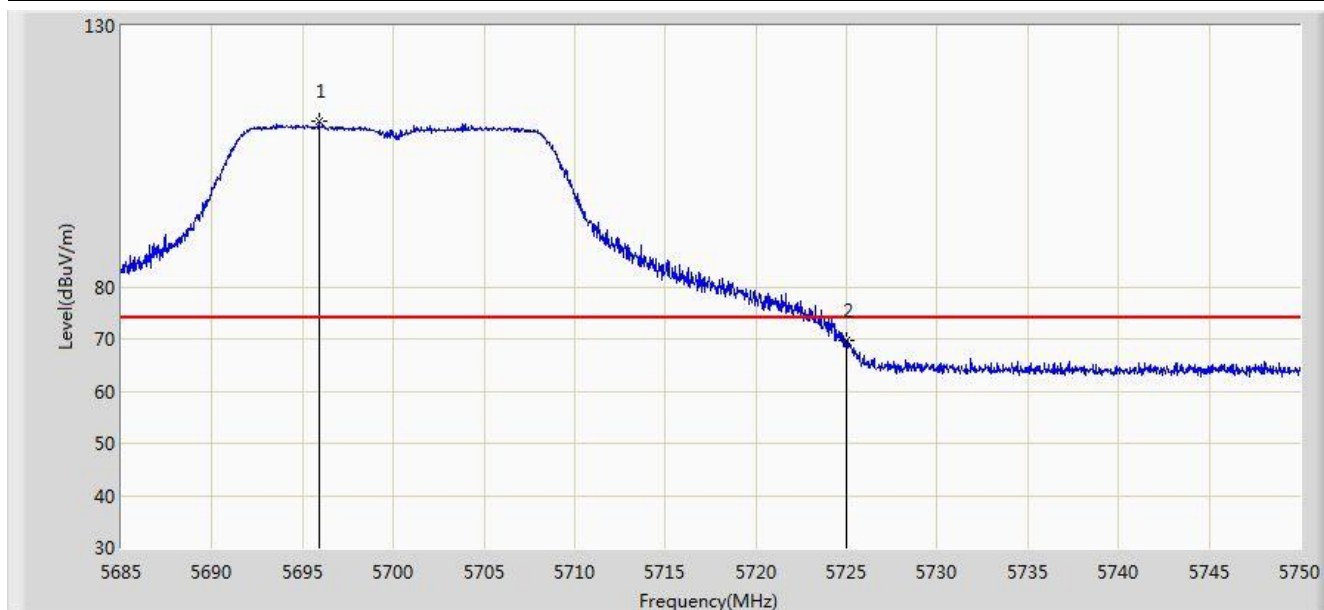


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5704.695	87.943	50.036	N/A	N/A	37.907	AV
2			5725.000	51.156	13.166	-2.844	54.000	37.990	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 14:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5700MHz 2TX	

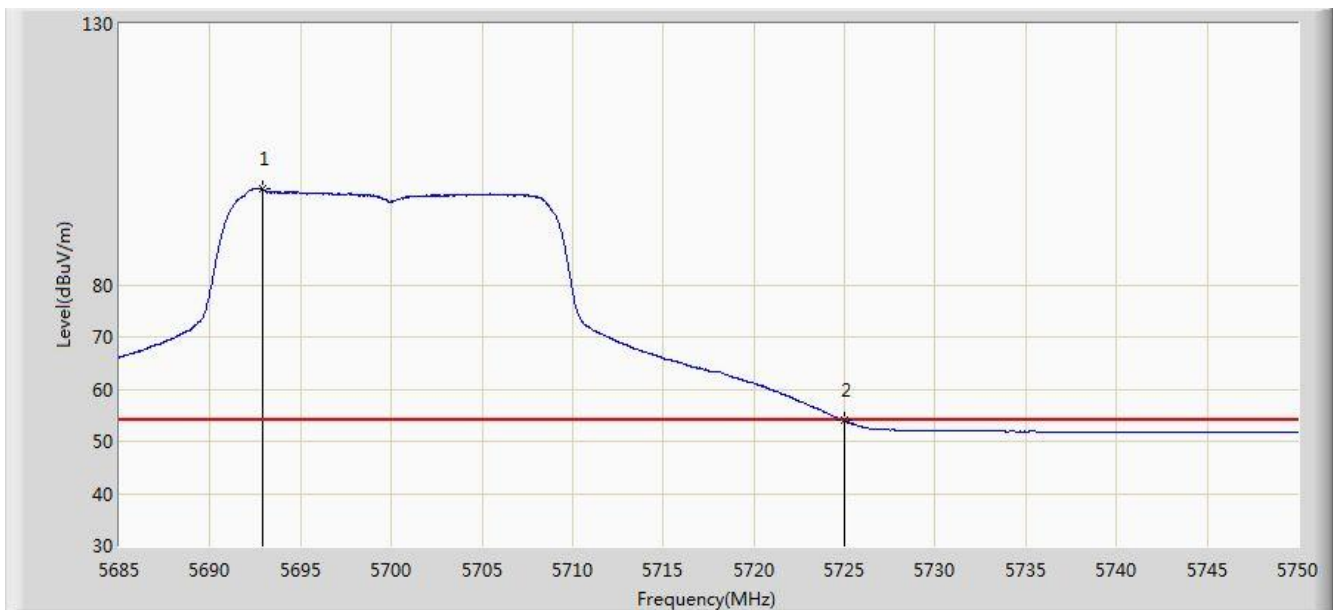


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5695.888	111.597	73.715	N/A	N/A	37.882	PK
2			5725.000	69.649	31.659	-4.351	74.000	37.990	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 14:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5700MHz 2TX	

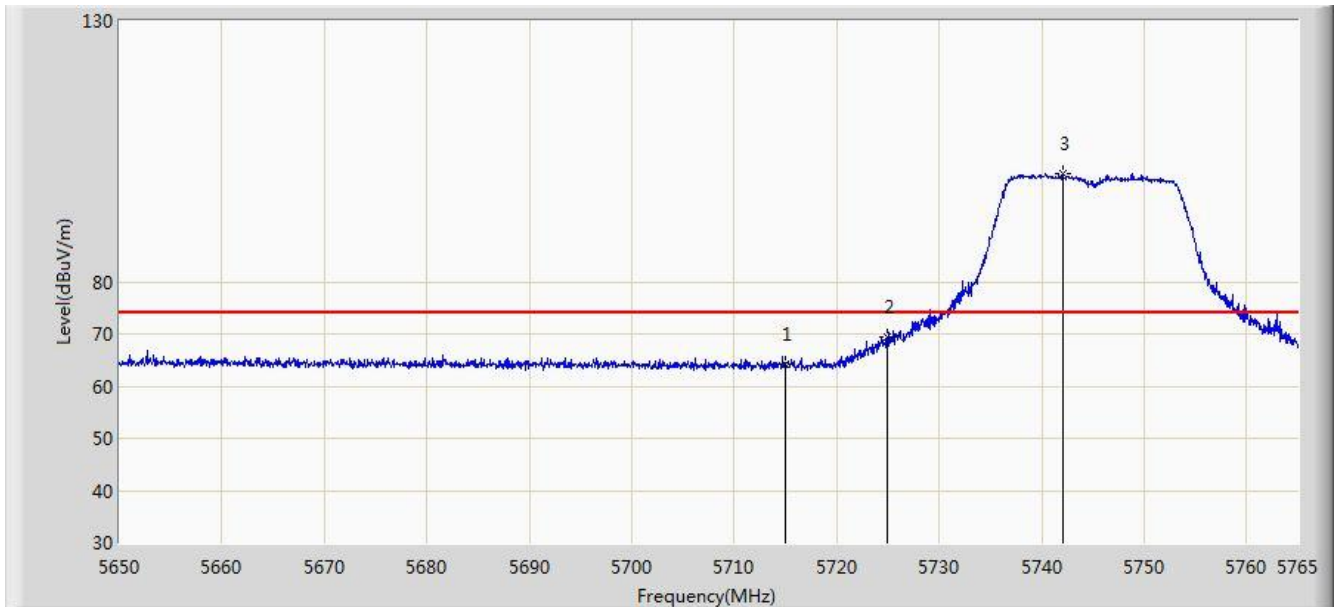


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5692.865	98.516	60.641	N/A	N/A	37.874	AV
2			5725.000	53.994	16.004	-0.006	54.000	37.990	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz 2TX	

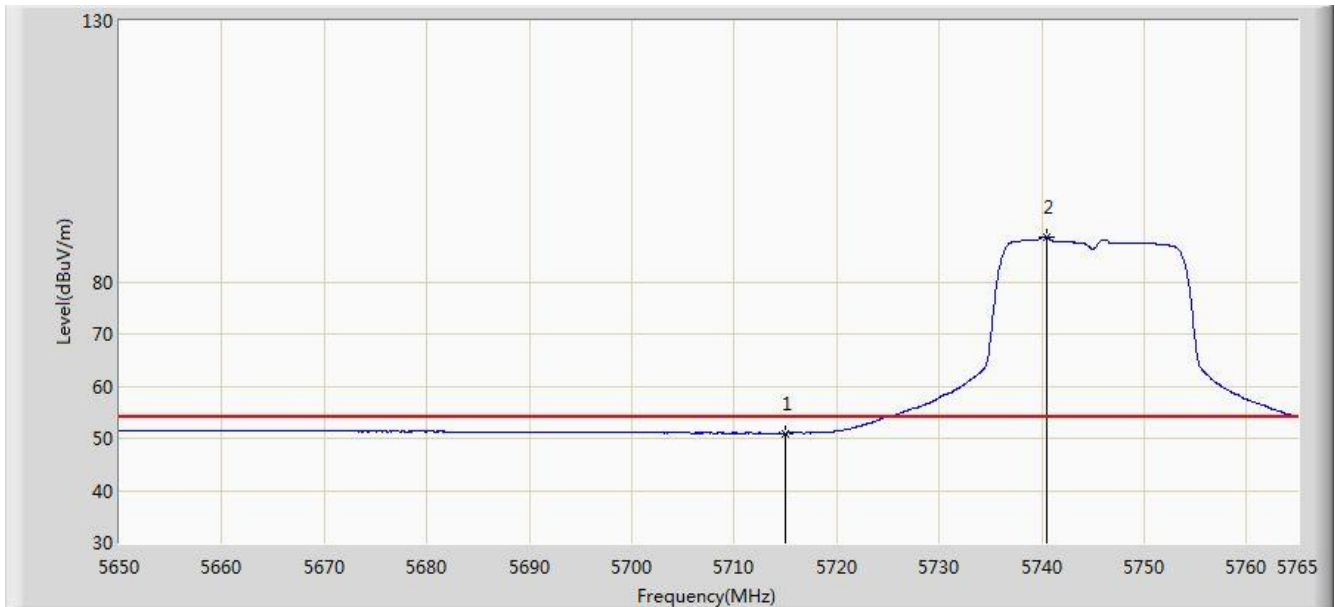


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	64.276	26.327	-9.724	74.000	37.949	PK
2			5725.000	69.352	31.362	-8.848	78.200	37.990	PK
3		*	5742.058	100.748	62.689	N/A	N/A	38.059	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz 2TX	

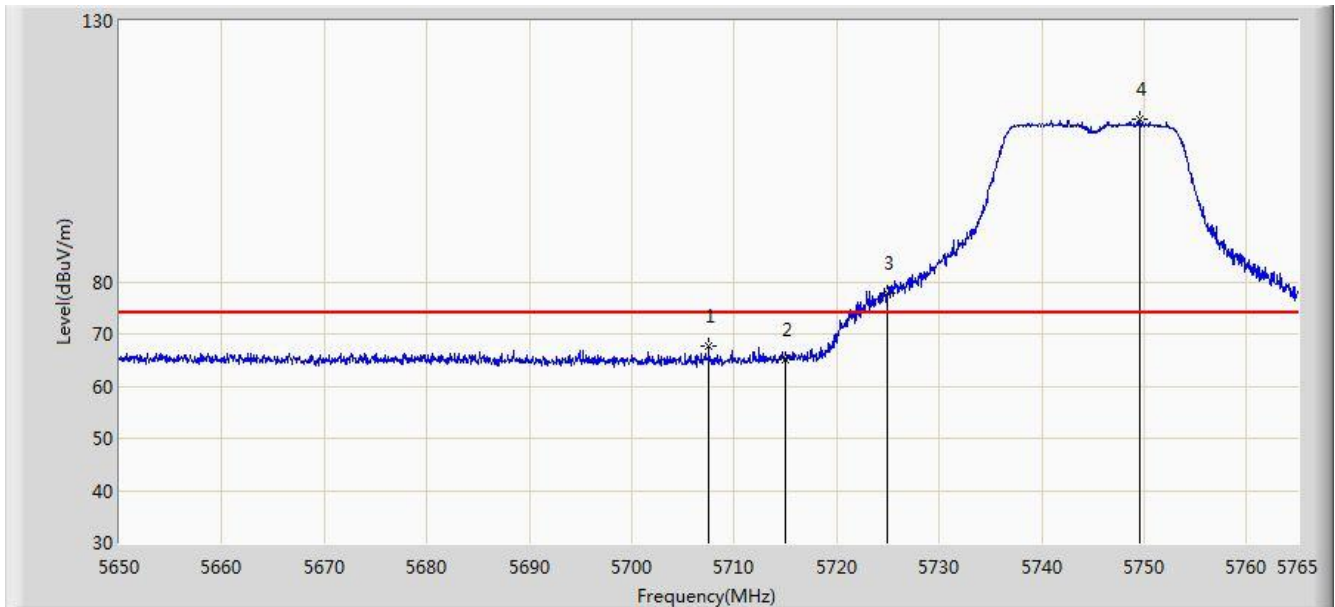


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.003	13.054	-2.997	54.000	37.949	AV
2		*	5740.447	88.561	50.508	N/A	N/A	38.052	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz 2TX	

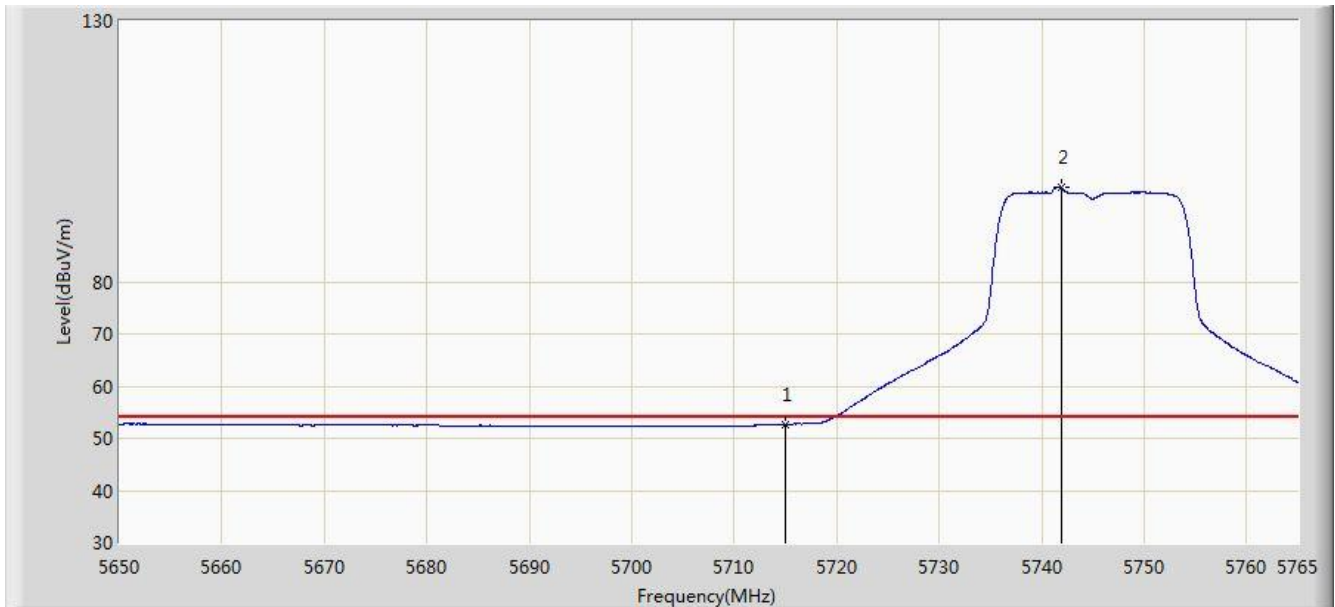


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5707.500	67.579	29.660	-6.421	74.000	37.918	PK
2			5715.000	65.003	27.054	-8.997	74.000	37.949	PK
3			5725.000	77.877	39.887	-0.323	78.200	37.990	PK
4		*	5749.647	111.121	73.027	N/A	N/A	38.094	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz 2TX	

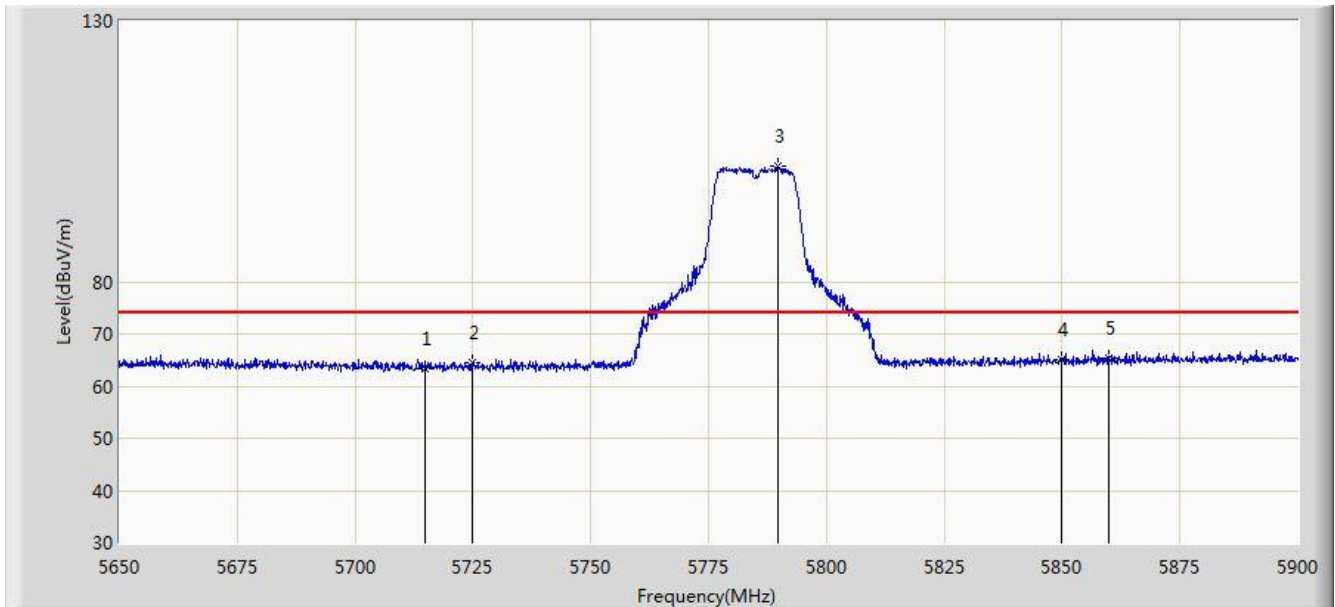


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	52.618	14.669	-1.382	54.000	37.949	AV
2		*	5741.885	98.014	59.956	N/A	N/A	38.058	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5785MHz 2TX	

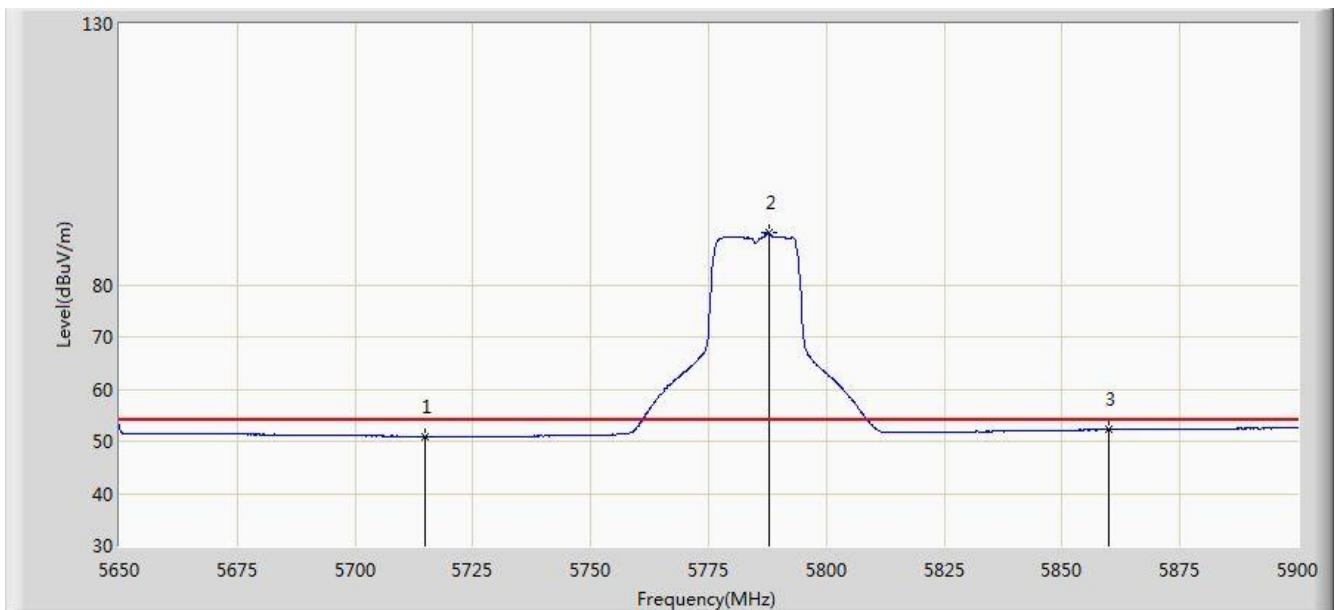


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	63.368	25.419	-10.632	74.000	37.949	PK
2			5725.000	64.373	26.383	-13.827	78.200	37.990	PK
3		*	5789.750	102.191	63.961	N/A	N/A	38.230	PK
4			5850.000	65.032	26.579	-13.168	78.200	38.454	PK
5			5860.000	65.262	26.784	-8.738	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5785MHz 2TX	

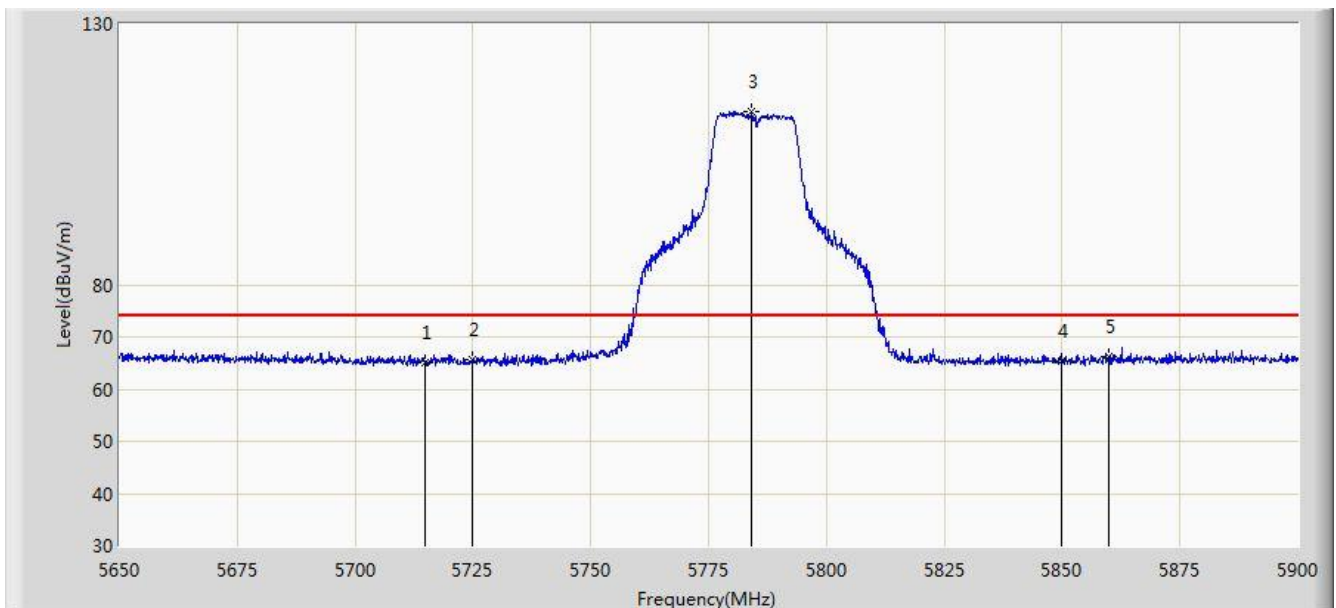


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	50.920	12.971	-3.080	54.000	37.949	AV
2		*	5787.875	89.961	51.738	N/A	N/A	38.223	AV
3			5860.000	52.245	13.767	-1.755	54.000	38.478	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5785MHz 2TX	

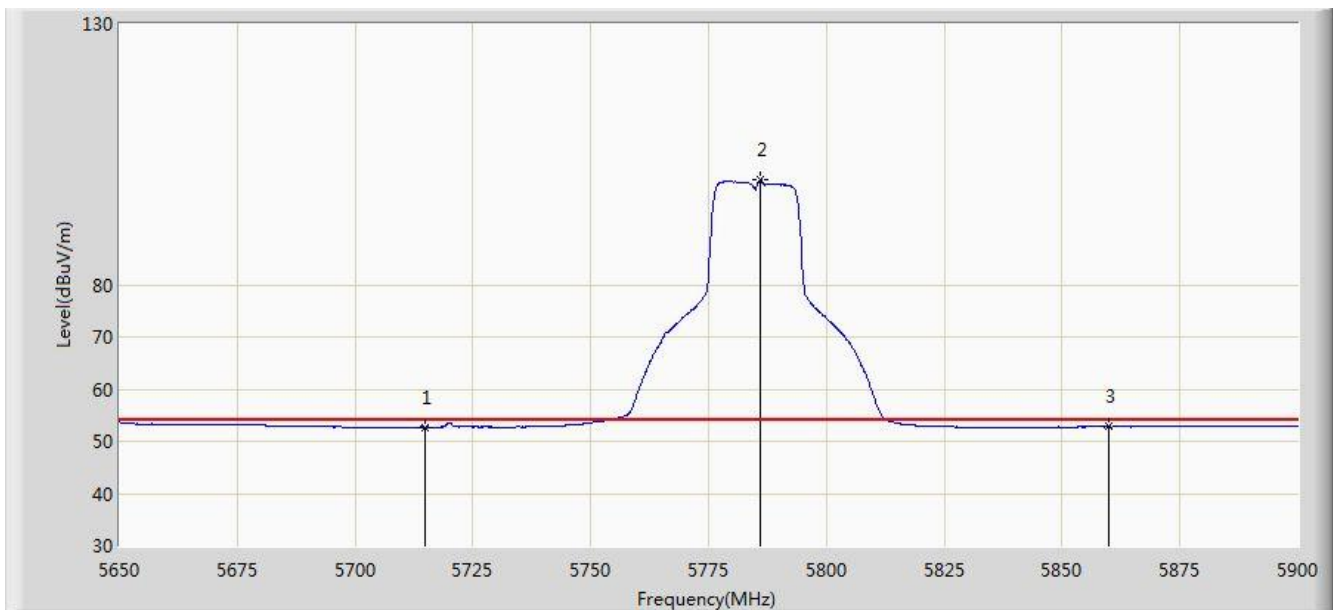


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	65.196	27.247	-8.804	74.000	37.949	PK
2			5725.000	65.587	27.597	-12.613	78.200	37.990	PK
3		*	5784.125	113.151	74.942	N/A	N/A	38.209	PK
4			5850.000	65.454	27.001	-12.746	78.200	38.454	PK
5			5860.000	66.203	27.725	-7.797	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5785MHz 2TX	

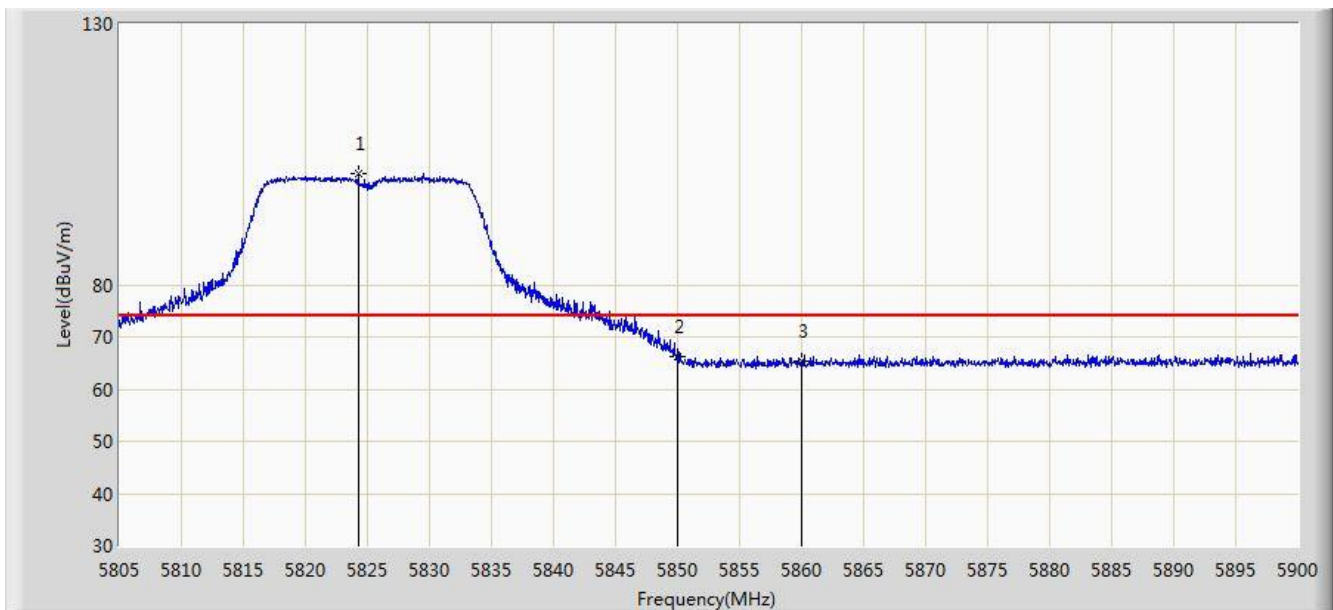


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	52.693	14.744	-1.307	54.000	37.949	AV
2		*	5786.000	100.086	61.870	N/A	N/A	38.216	AV
3			5860.000	52.779	14.301	-1.221	54.000	38.478	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz 2TX	

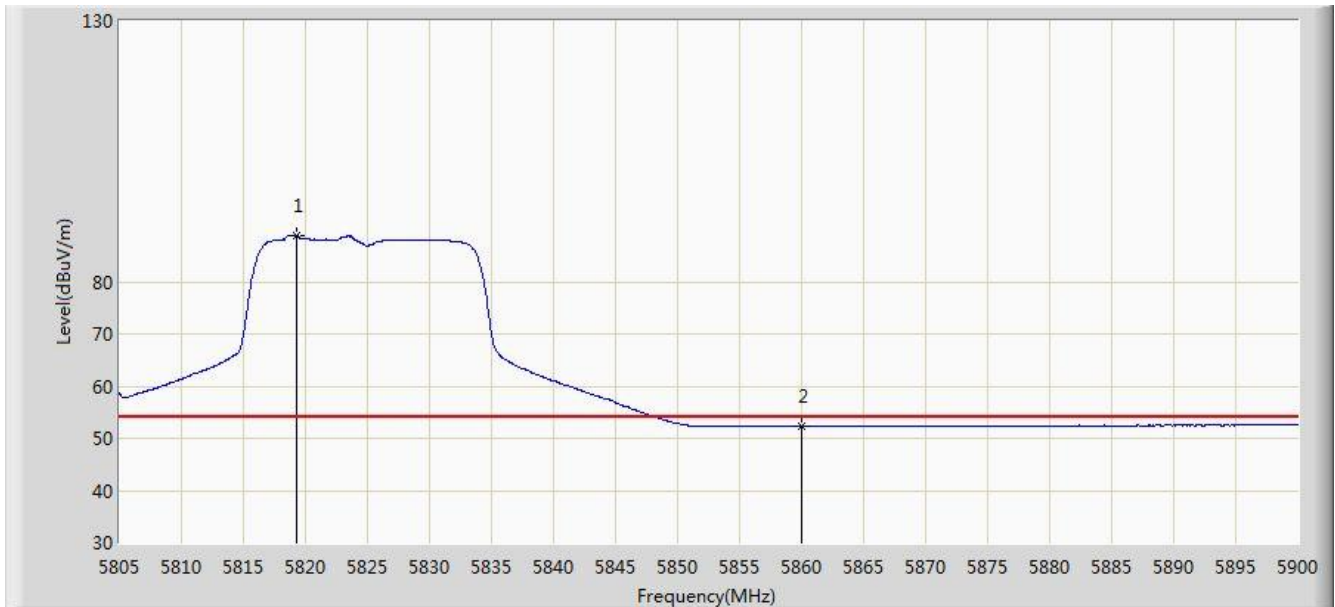


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5824.237	101.189	62.837	N/A	N/A	38.352	PK
2			5850.000	66.247	27.794	-11.953	78.200	38.454	PK
3			5860.000	65.236	26.758	-8.764	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz 2TX	

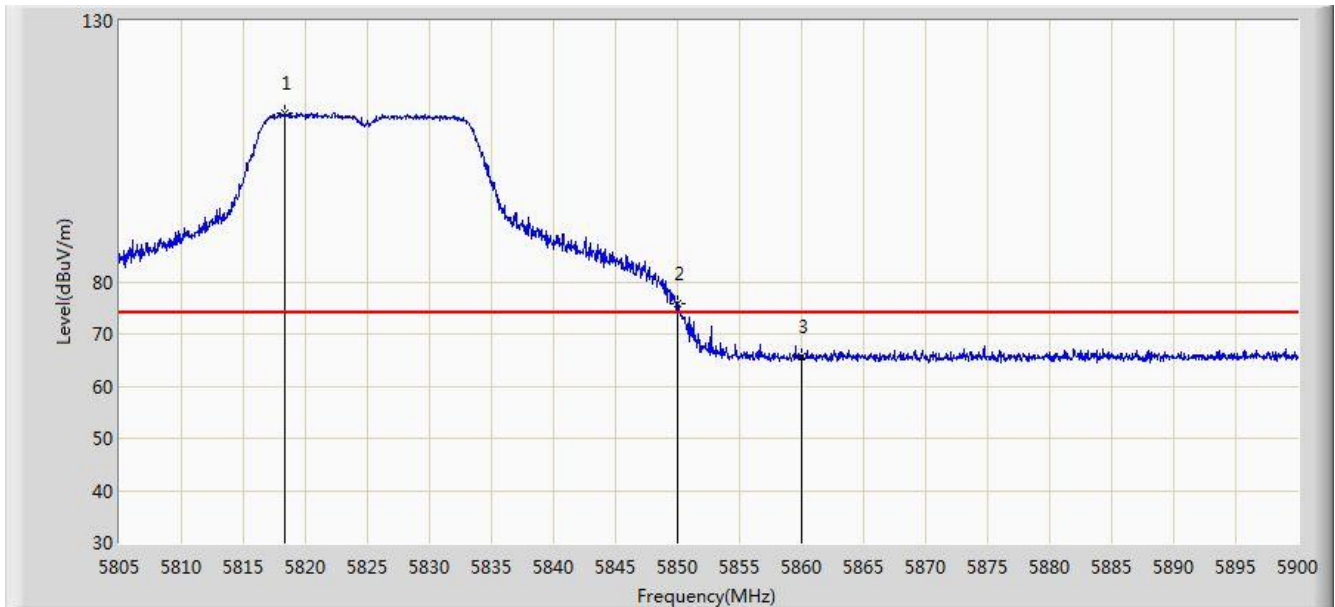


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.297	88.945	50.613	N/A	N/A	38.332	AV
2			5860.000	52.258	13.780	-1.742	54.000	38.478	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz 2TX	

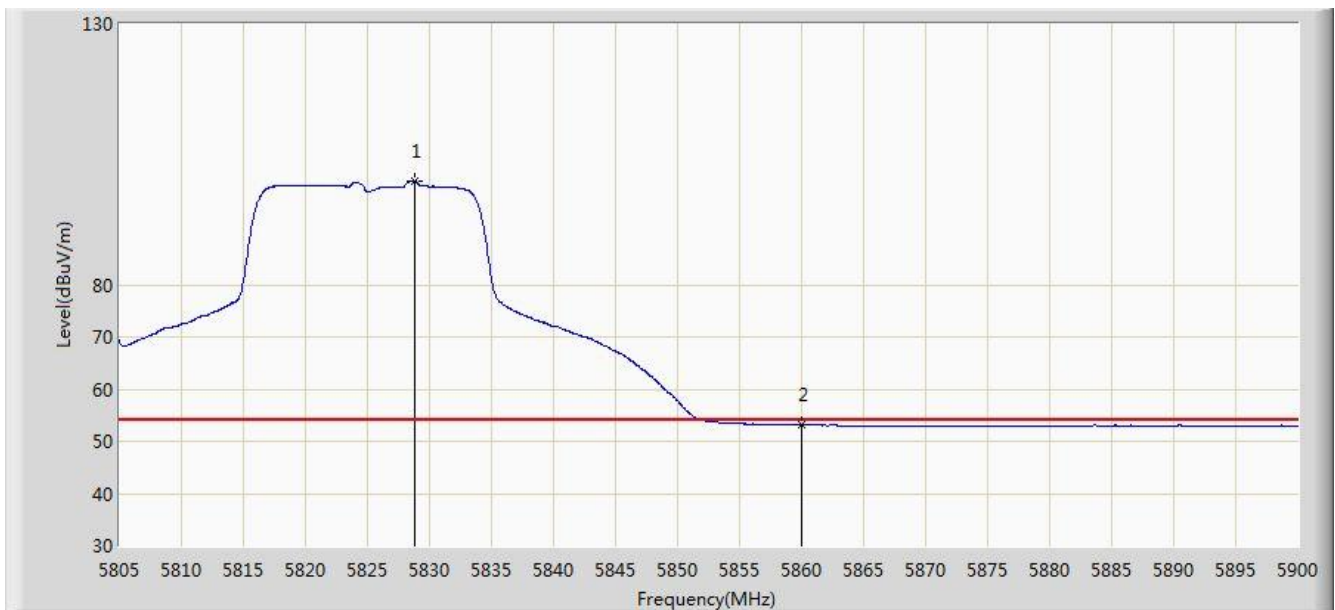


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5818.348	112.185	73.857	N/A	N/A	38.328	PK
2			5850.000	75.682	37.229	-2.518	78.200	38.454	PK
3			5860.000	65.519	27.041	-8.481	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz 2TX	

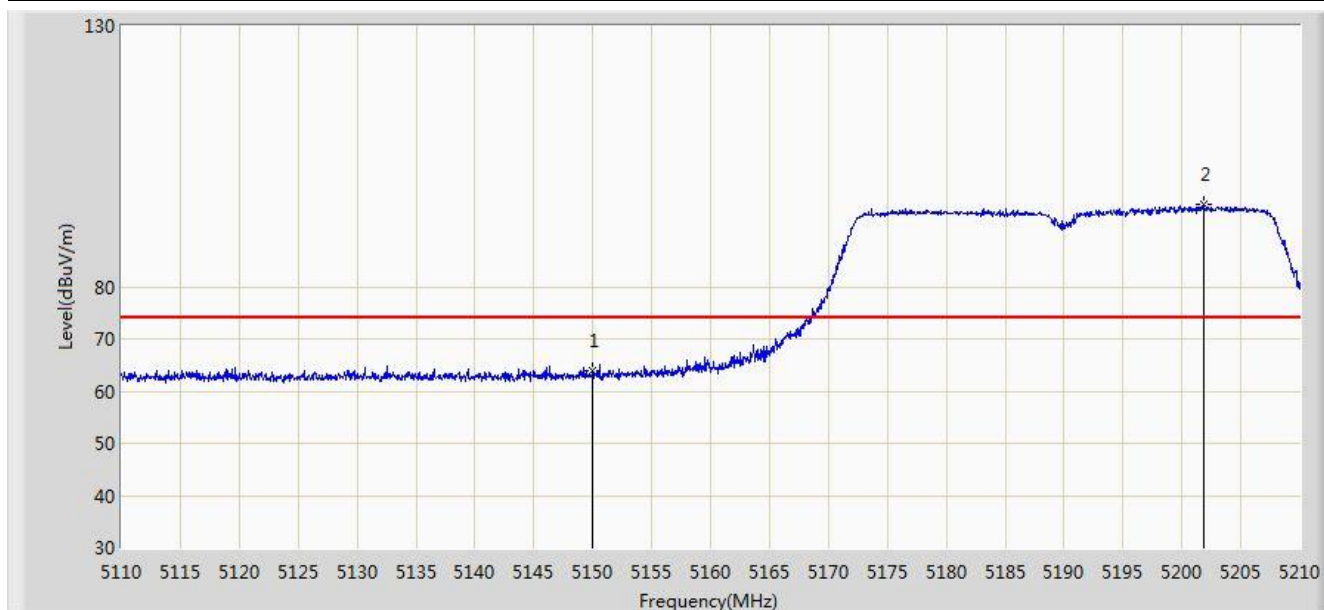


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5828.750	99.796	61.425	N/A	N/A	38.372	AV
2			5860.000	53.115	14.637	-0.885	54.000	38.478	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz 2TX	

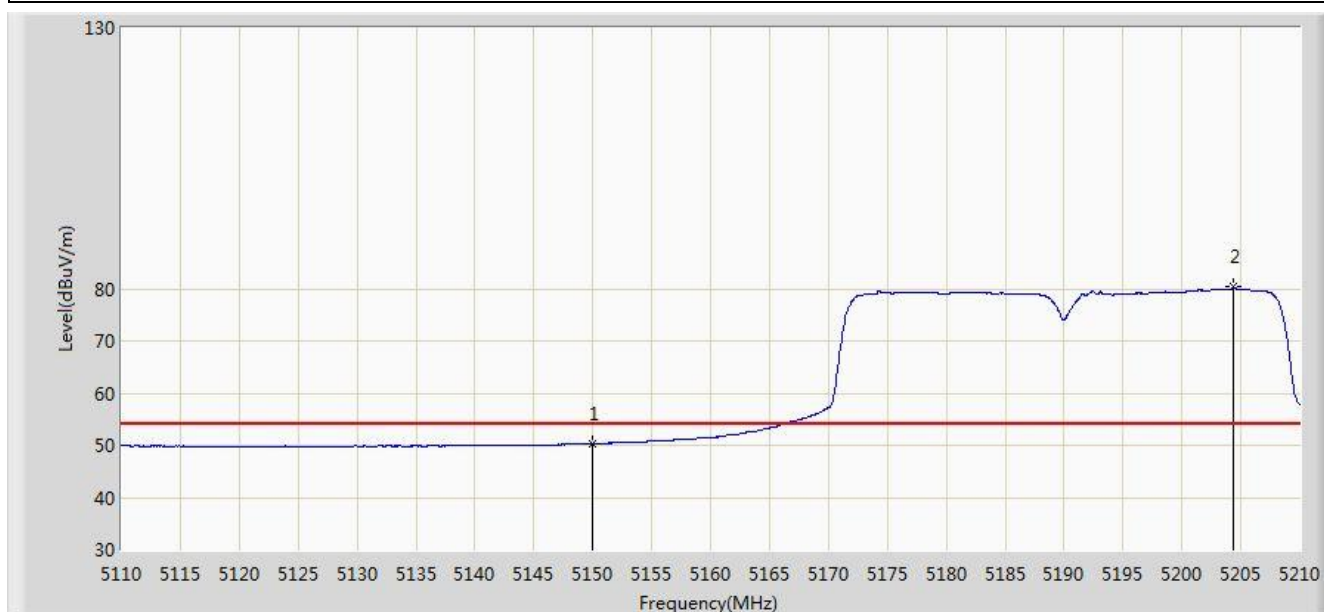


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	63.858	26.406	-10.142	74.000	37.452	PK
2		*	5201.850	95.826	58.508	N/A	N/A	37.318	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz 2TX	

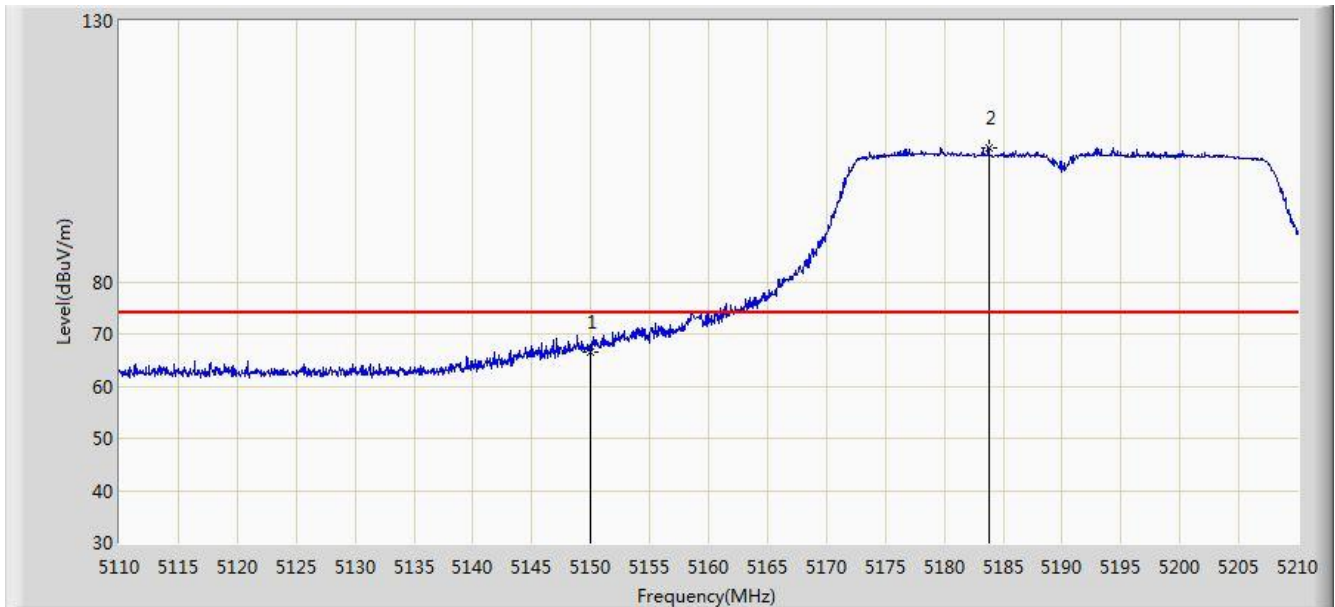


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.275	12.823	-3.725	54.000	37.452	AV
2		*	5204.350	80.348	43.039	N/A	N/A	37.309	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz 2TX	

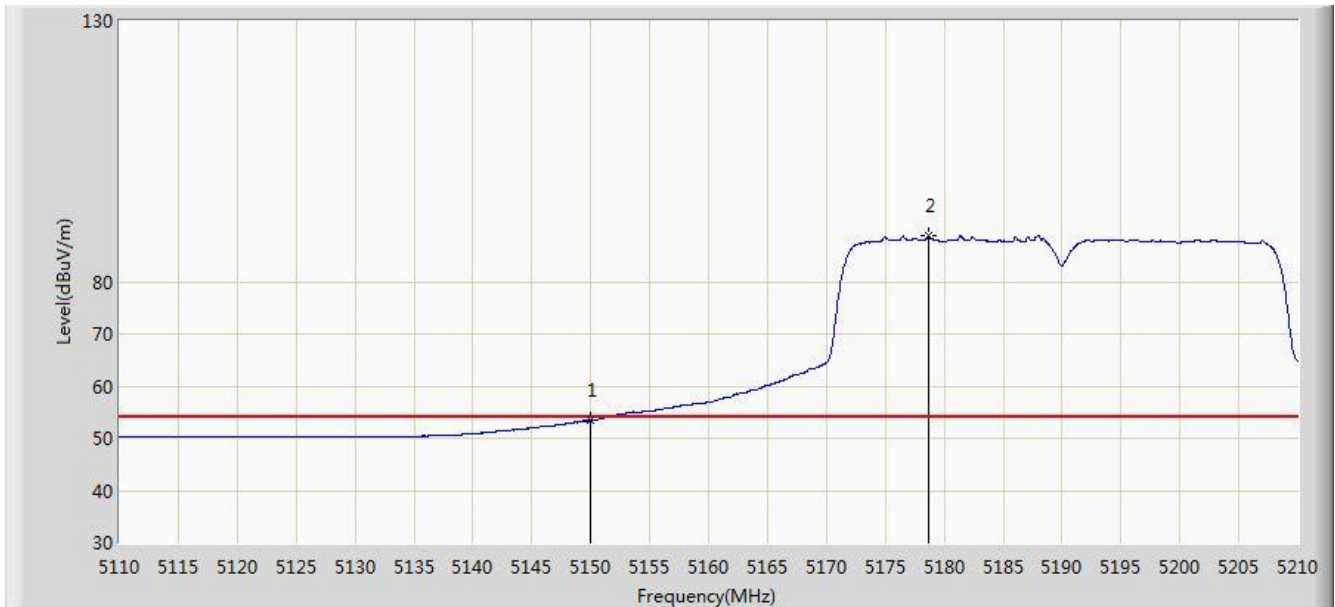


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	66.539	29.087	-7.461	74.000	37.452	PK
2		*	5183.750	105.788	68.423	N/A	N/A	37.365	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz 2TX	

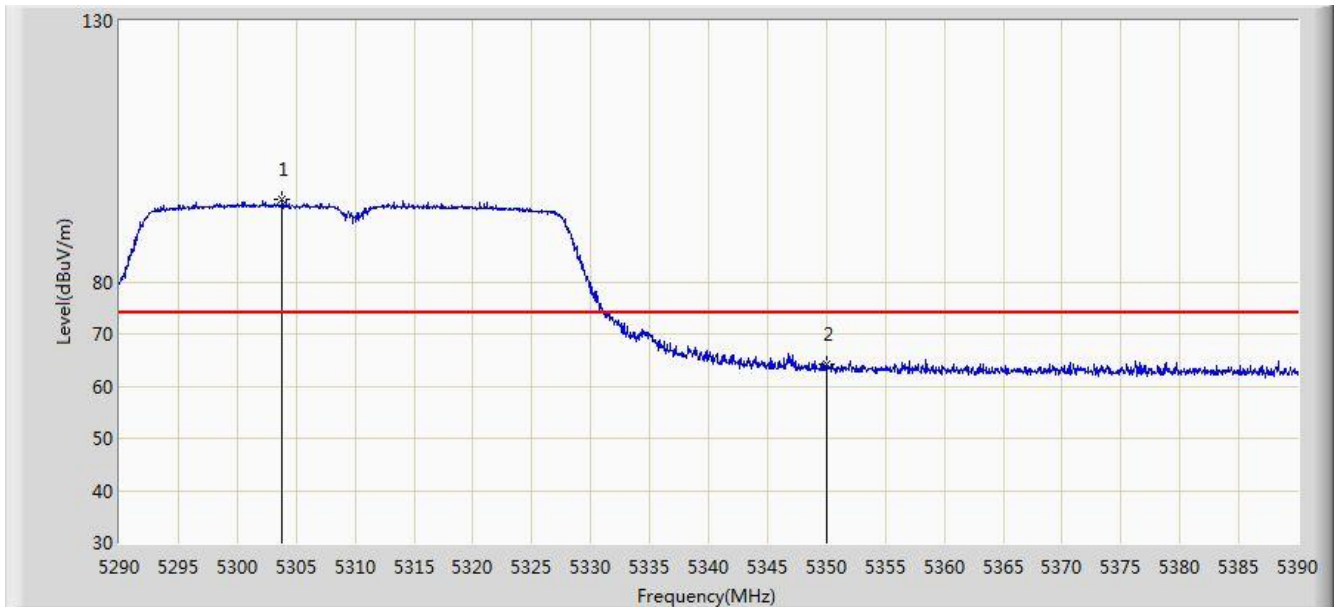


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.377	15.925	-0.623	54.000	37.452	AV
2		*	5178.650	88.852	51.475	N/A	N/A	37.377	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5310MHz 2TX	

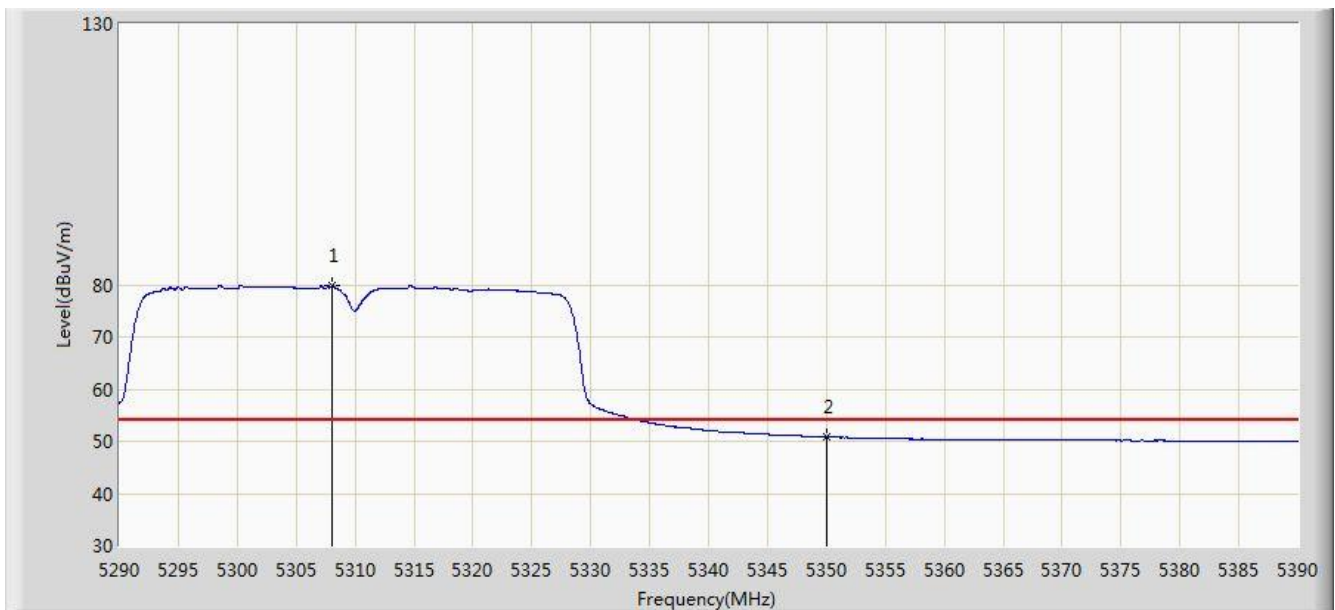


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5303.800	95.812	58.621	N/A	N/A	37.191	PK
2			5350.000	64.289	27.003	-9.711	74.000	37.286	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5310MHz 2TX	

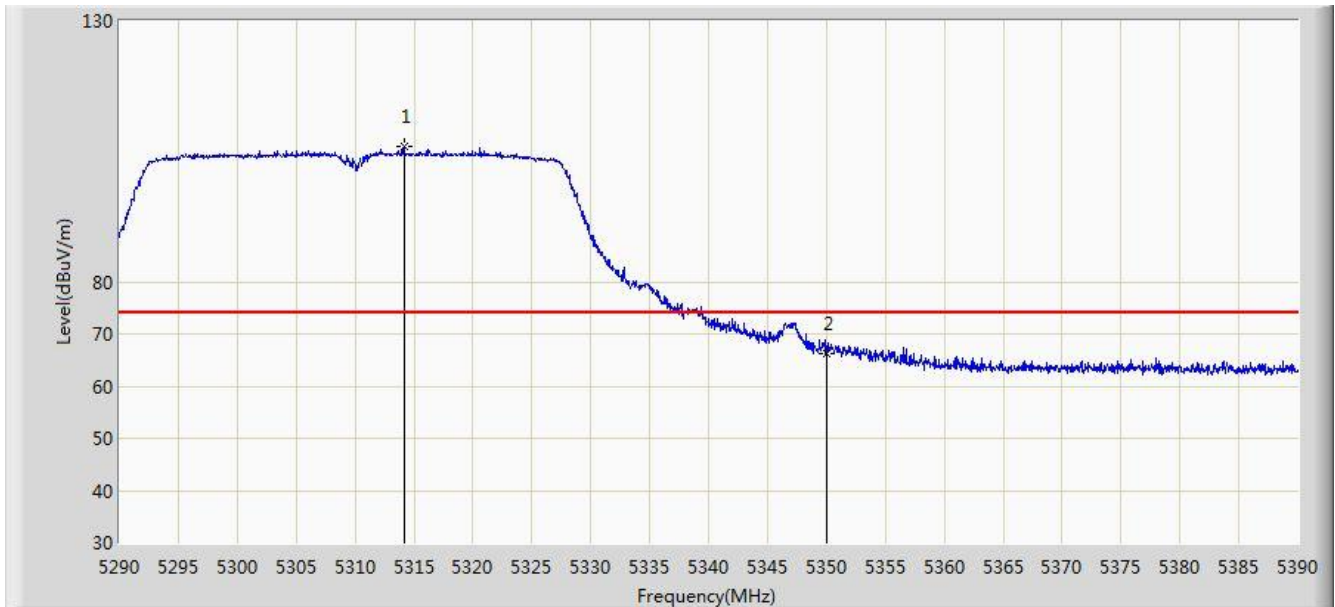


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5308.050	79.854	42.658	N/A	N/A	37.195	AV
2			5350.000	50.808	13.522	-3.192	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5310MHz 2TX	

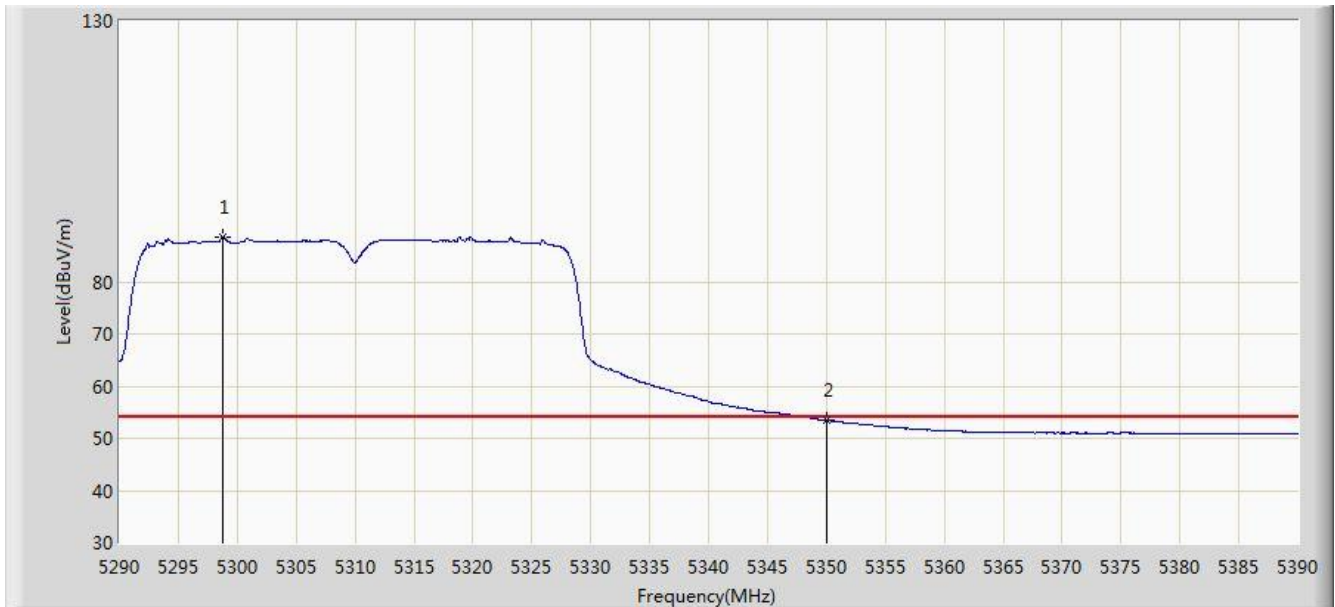


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5314.150	105.942	68.739	N/A	N/A	37.203	PK
2			5350.000	66.341	29.055	-7.659	74.000	37.286	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5310MHz 2TX	

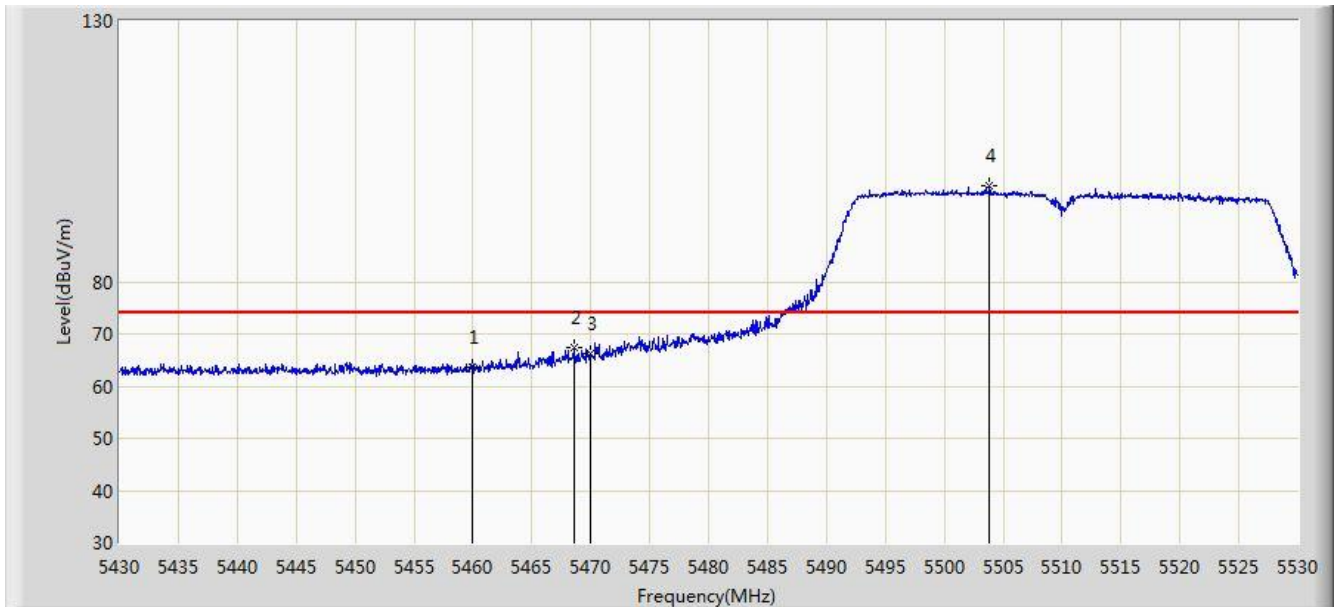


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5298.800	88.627	51.443	N/A	N/A	37.183	AV
2			5350.000	53.443	16.157	-0.557	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5510MHz 2TX	

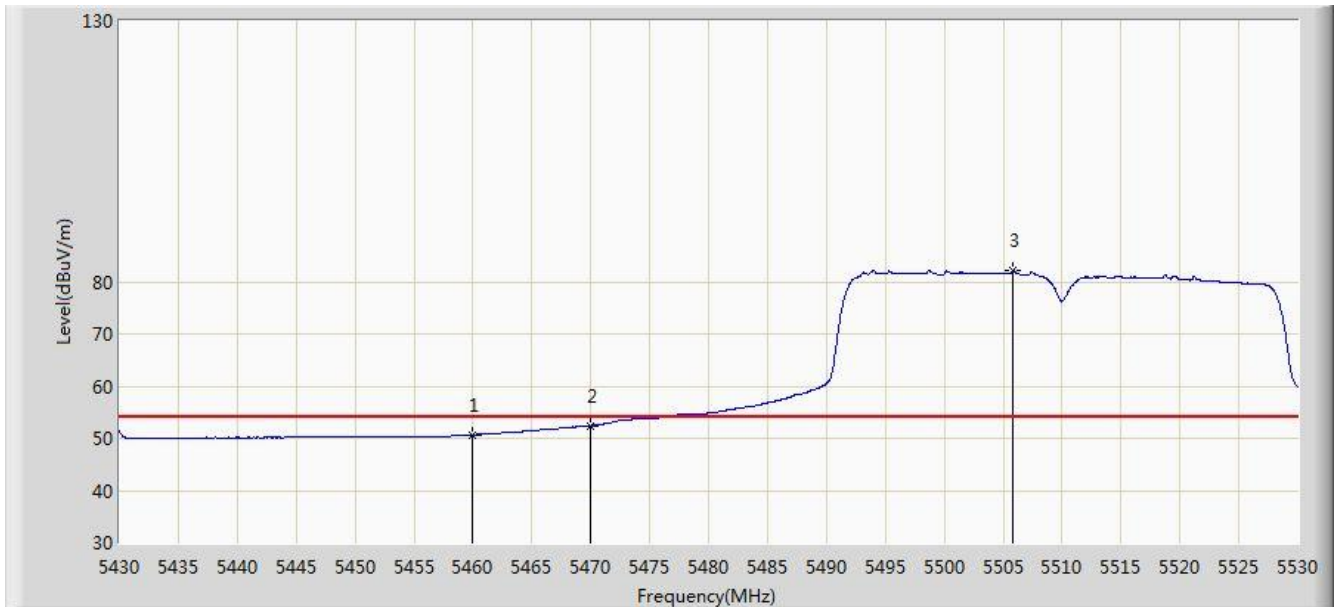


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	63.494	25.931	-10.506	74.000	37.563	PK
2			5468.650	67.252	29.667	-6.748	74.000	37.585	PK
3			5470.000	66.262	28.673	-7.738	74.000	37.588	PK
4		*	5503.850	98.263	60.634	N/A	N/A	37.629	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5510MHz 2TX	

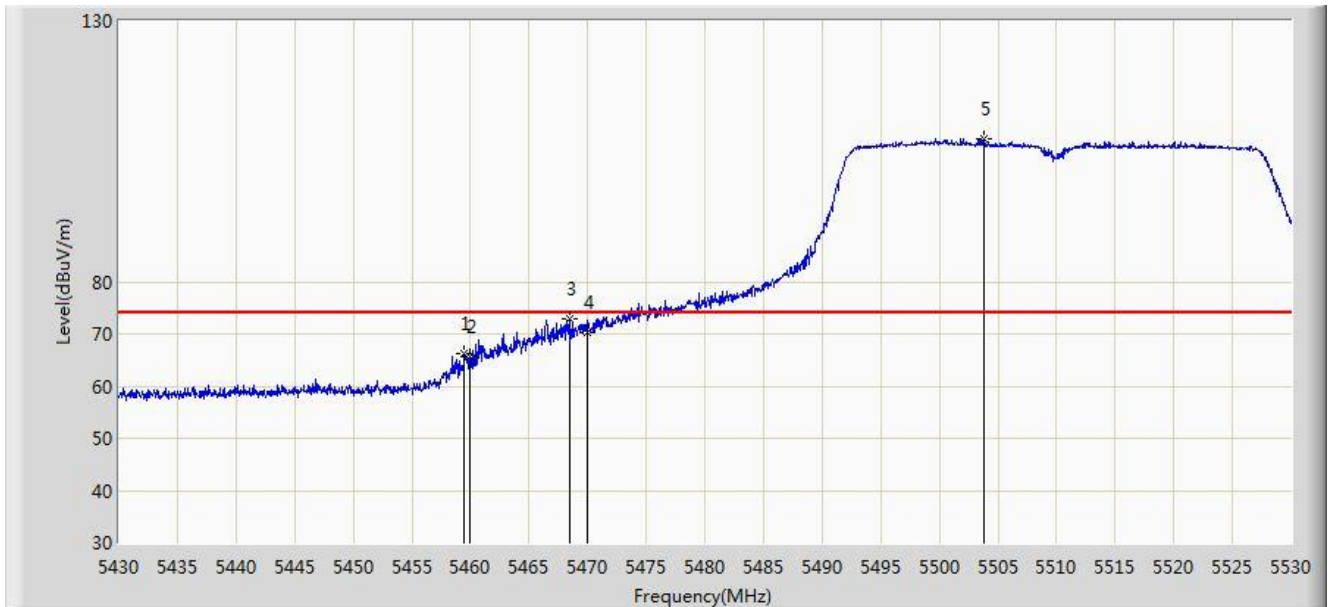


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.649	13.086	-3.351	54.000	37.563	AV
2			5470.000	52.409	14.820	-1.591	54.000	37.588	AV
3		*	5505.850	82.040	44.409	N/A	N/A	37.631	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5510MHz 2TX	

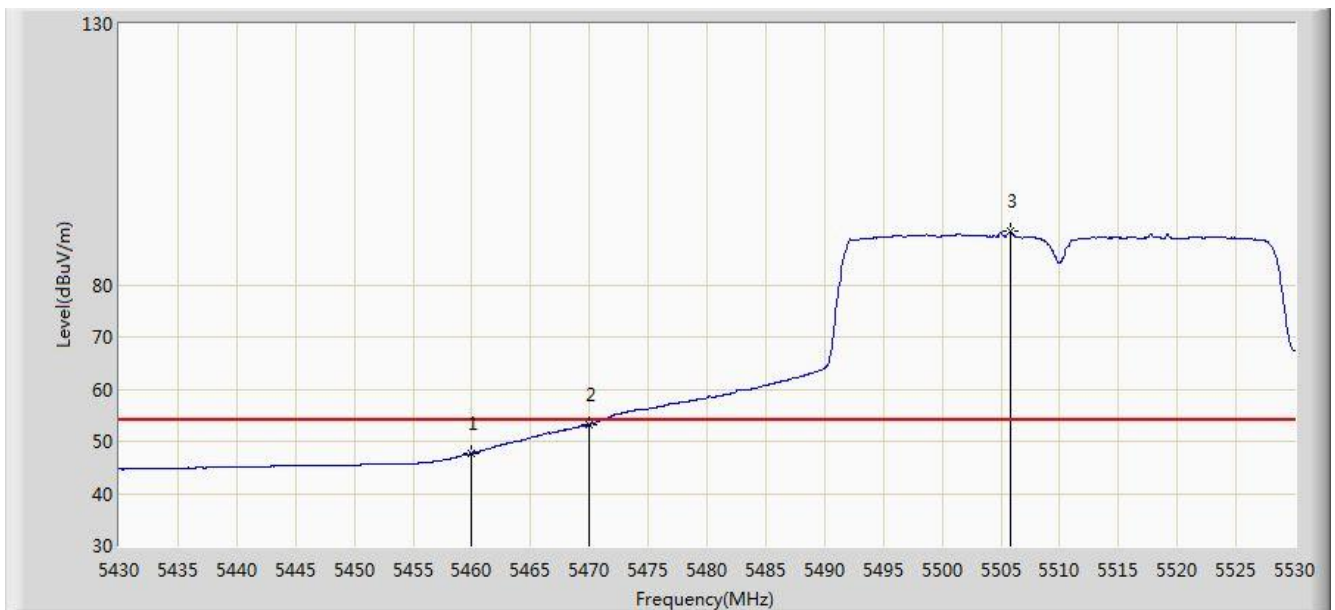


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5459.450	66.171	28.610	-7.829	74.000	37.561	PK
2			5460.000	65.673	28.110	-8.327	74.000	37.563	PK
3			5468.450	73.001	35.416	-0.999	74.000	37.585	PK
4			5470.000	70.201	32.613	-3.799	74.000	37.588	PK
5		*	5503.850	107.511	69.882	N/A	N/A	37.629	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5510MHz 2TX	

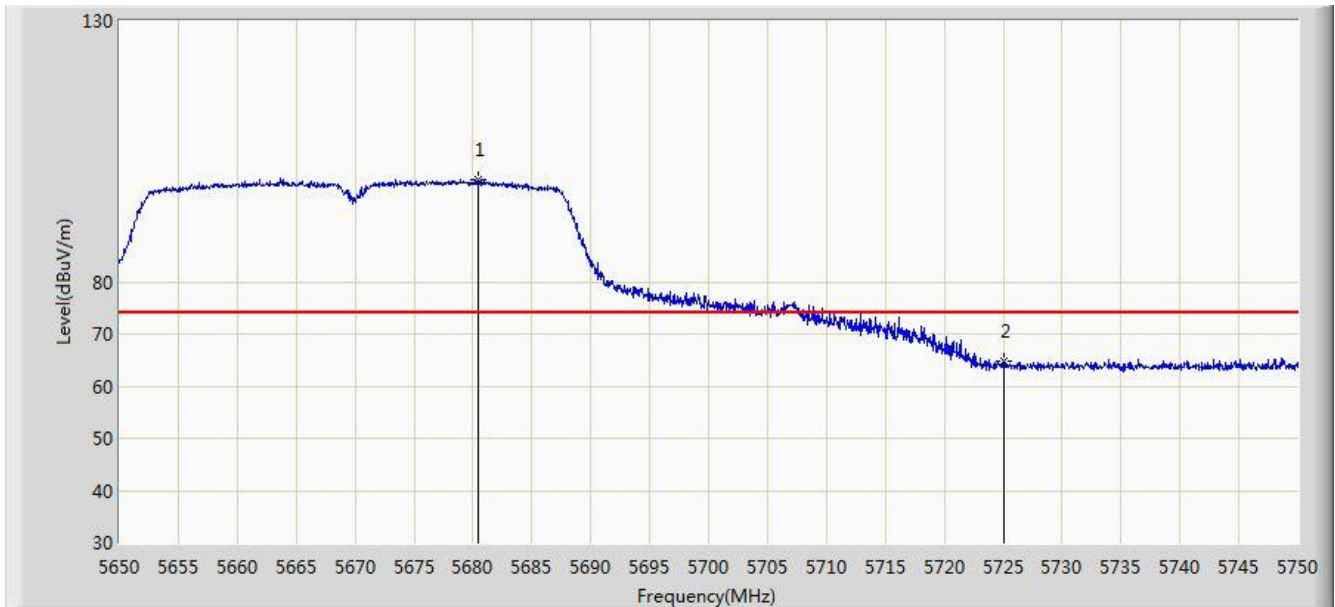


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	47.674	10.111	-6.326	54.000	37.563	AV
2			5470.000	53.213	15.625	-0.787	54.000	37.588	AV
3		*	5505.850	90.238	52.607	N/A	N/A	37.631	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5670MHz 2TX	

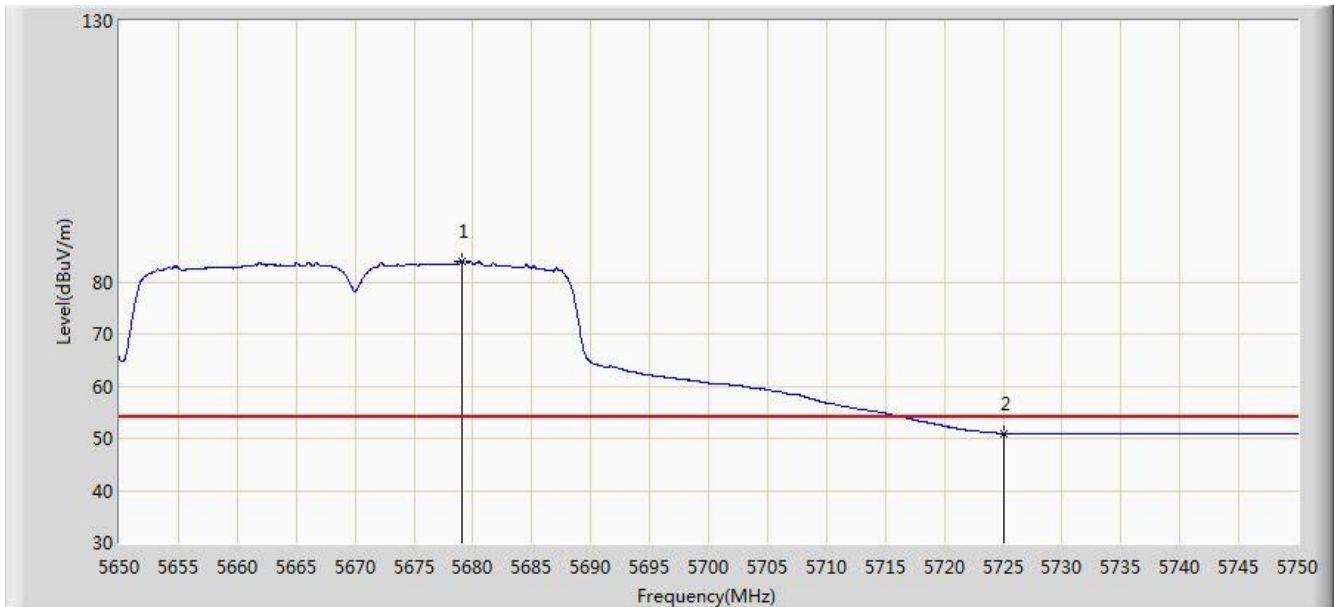


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5680.500	99.468	61.635	N/A	N/A	37.834	PK
2			5725.000	64.668	26.678	-9.332	74.000	37.990	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5670MHz 2TX	

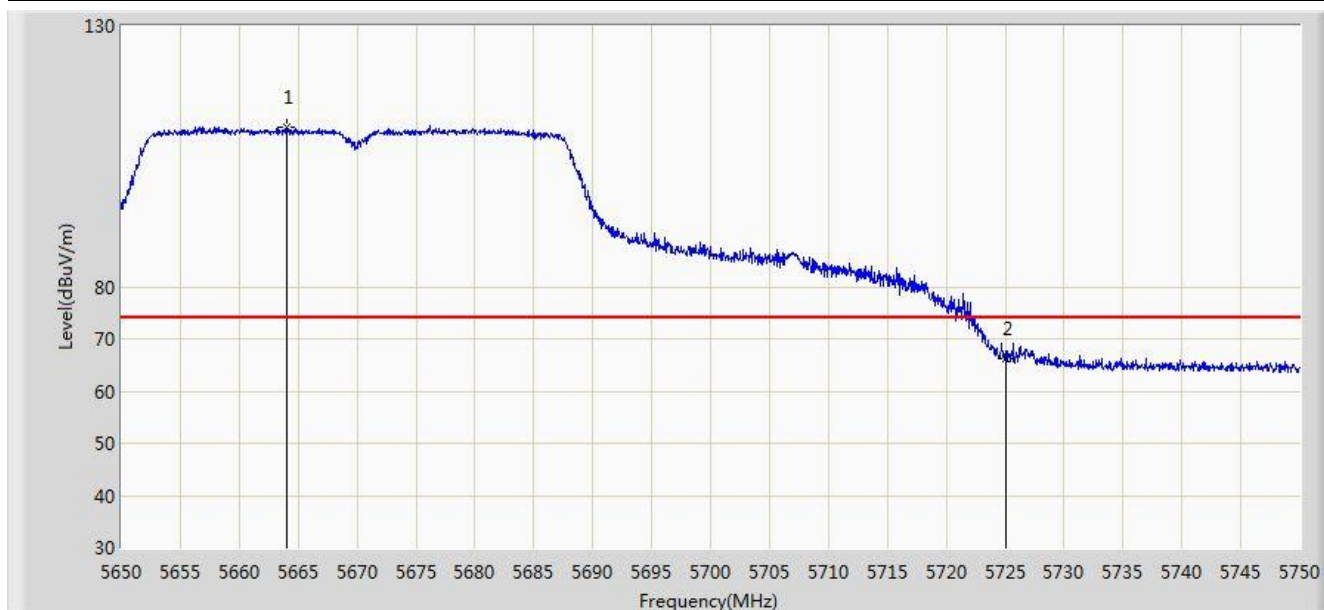


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5679.050	83.992	46.163	N/A	N/A	37.828	AV
2			5725.000	50.992	13.002	-3.008	54.000	37.990	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5670MHz 2TX	

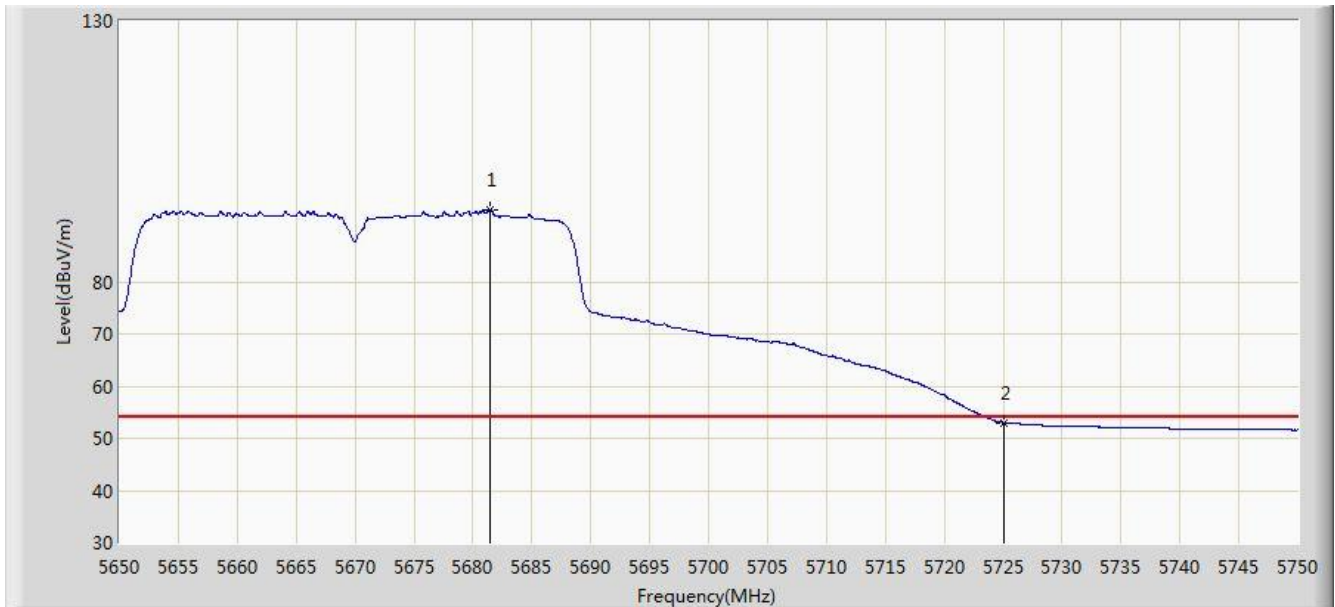


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5664.000	110.599	72.797	N/A	N/A	37.801	PK
2			5725.000	66.123	28.133	-7.877	74.000	37.990	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 15:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5670MHz 2TX	

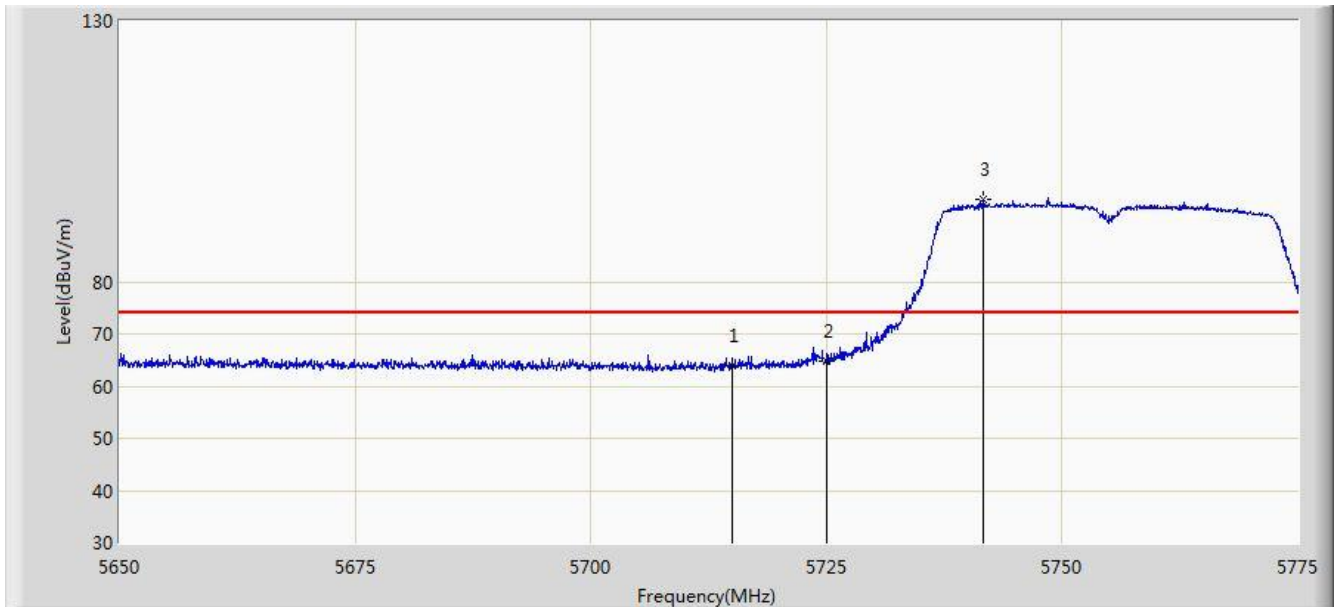


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5681.500	93.718	55.882	N/A	N/A	37.836	AV
2			5725.000	53.026	15.036	-0.974	54.000	37.990	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz 2TX	

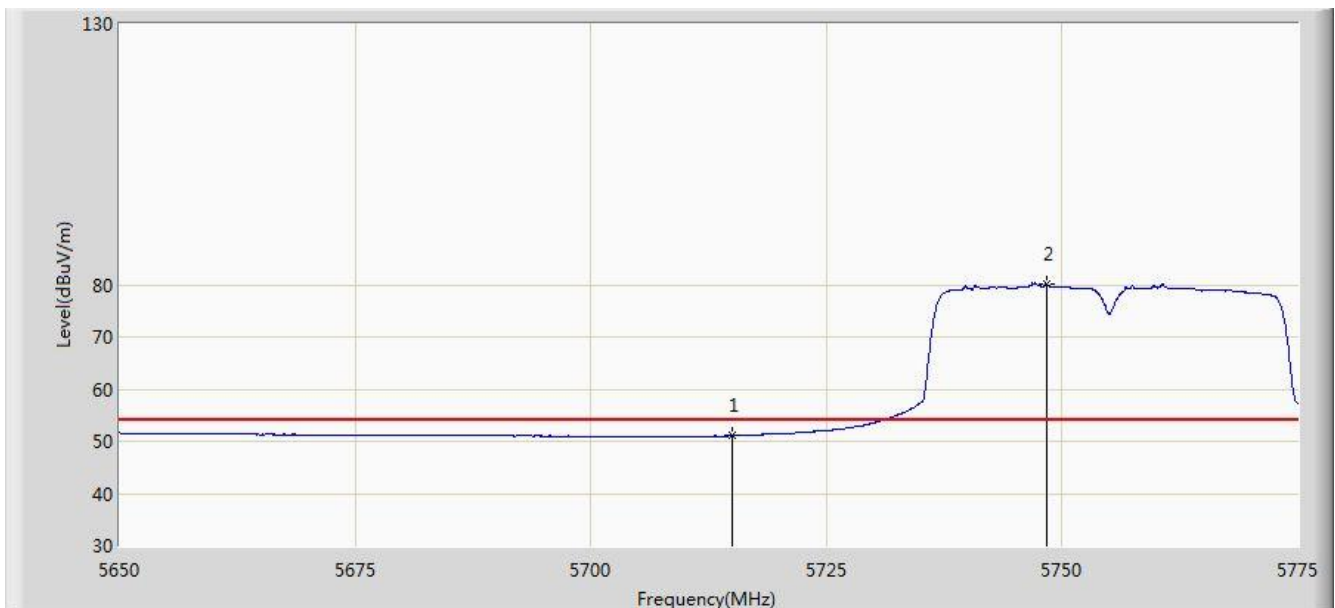


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	63.988	26.039	-10.012	74.000	37.949	PK
2			5725.000	64.861	26.871	-13.339	78.200	37.990	PK
3		*	5741.687	95.700	57.643	N/A	N/A	38.058	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz 2TX	

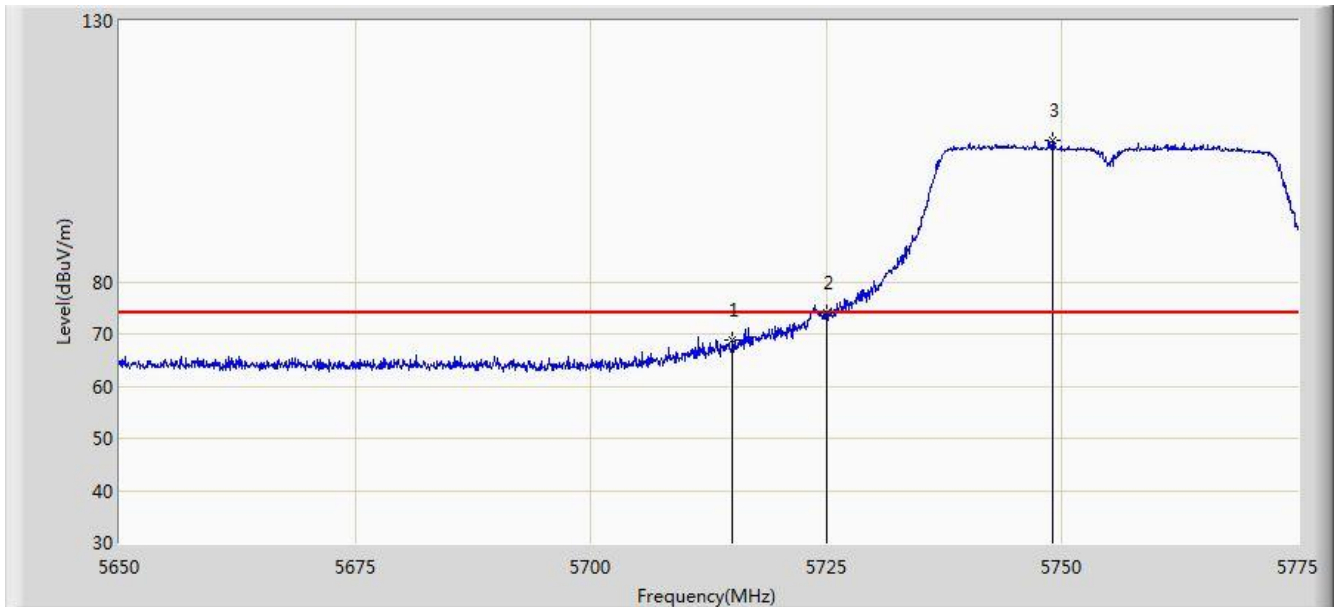


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.038	13.089	-2.962	54.000	37.949	AV
2		*	5748.312	80.269	42.181	N/A	N/A	38.088	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz 2TX	

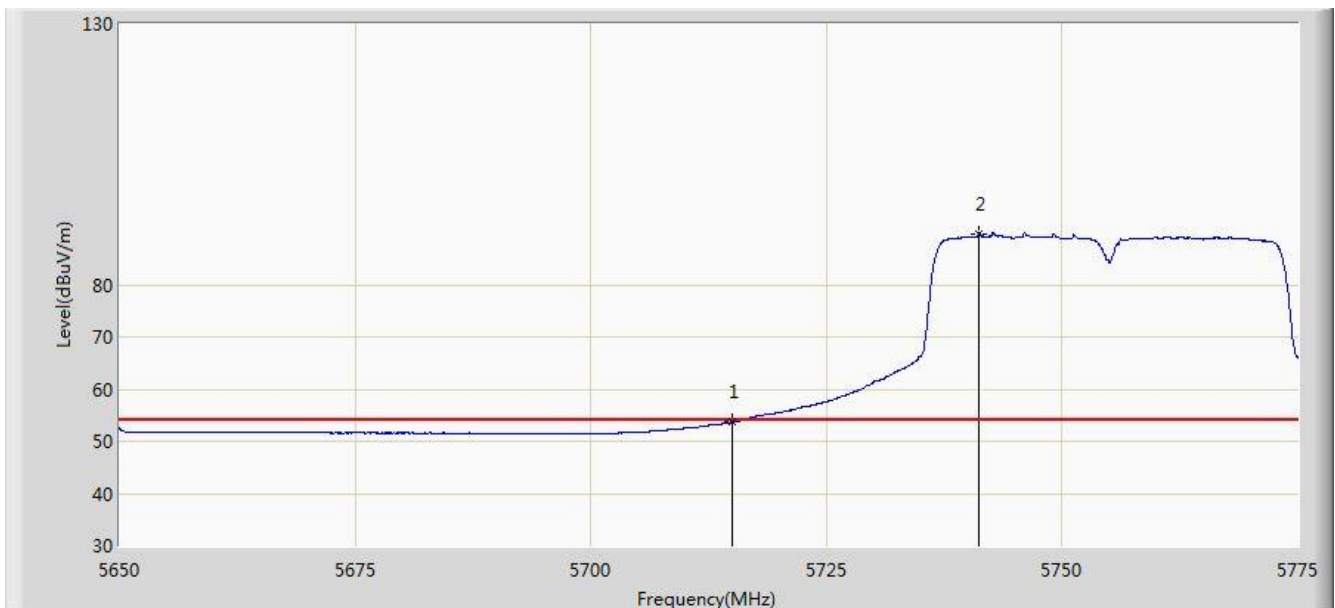


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	68.715	30.766	-5.285	74.000	37.949	PK
2			5725.000	73.953	35.963	-4.247	78.200	37.990	PK
3		*	5748.937	107.145	69.054	N/A	N/A	38.091	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz 2TX	

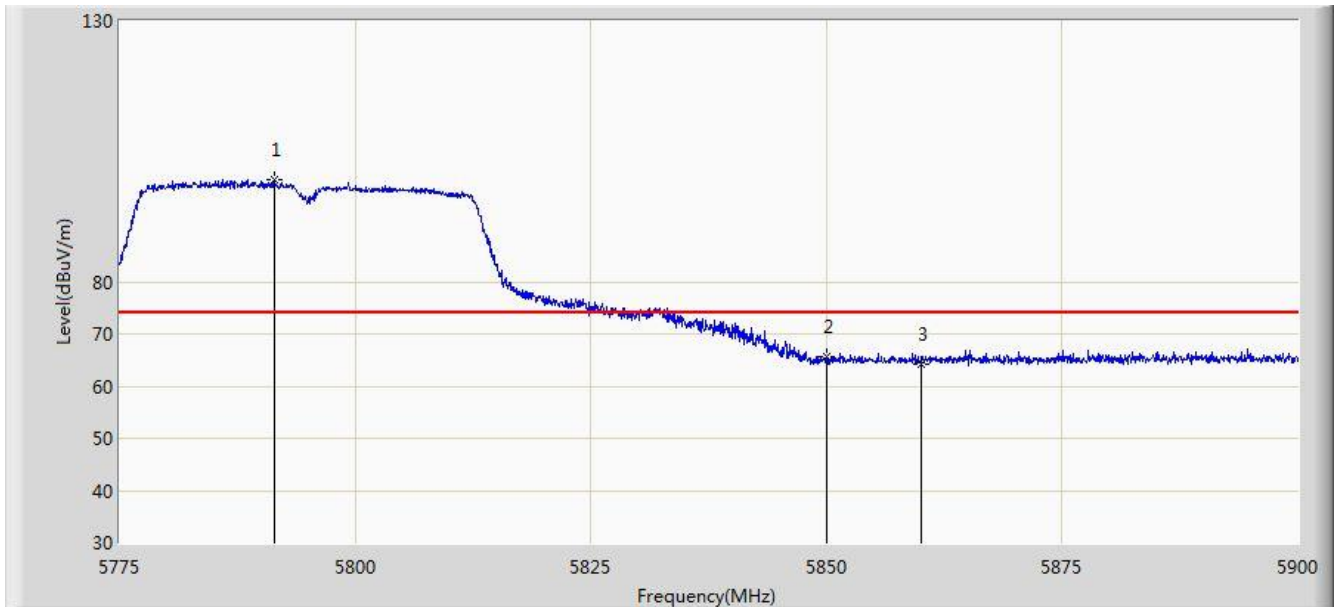


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	53.635	15.686	-0.365	54.000	37.949	AV
2		*	5741.125	89.812	51.757	N/A	N/A	38.055	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz 2TX	

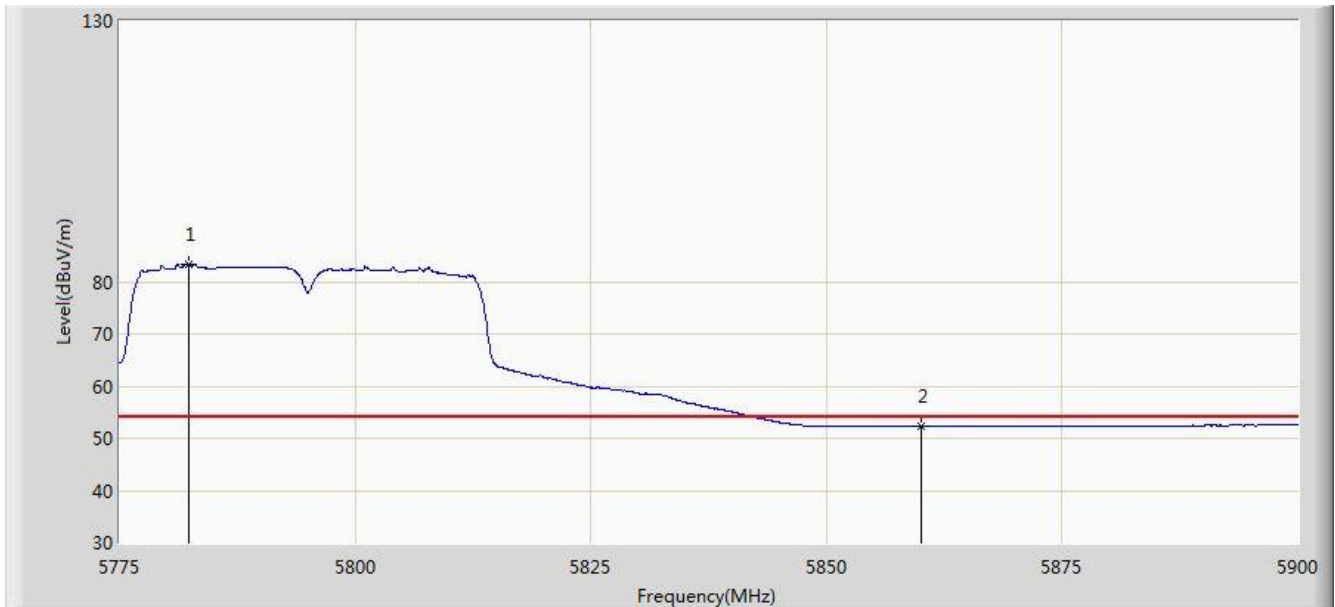


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5791.500	99.453	61.217	N/A	N/A	38.236	PK
2			5850.000	65.682	27.229	-12.518	78.200	38.454	PK
3			5860.000	64.332	25.854	-9.668	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz 2TX	

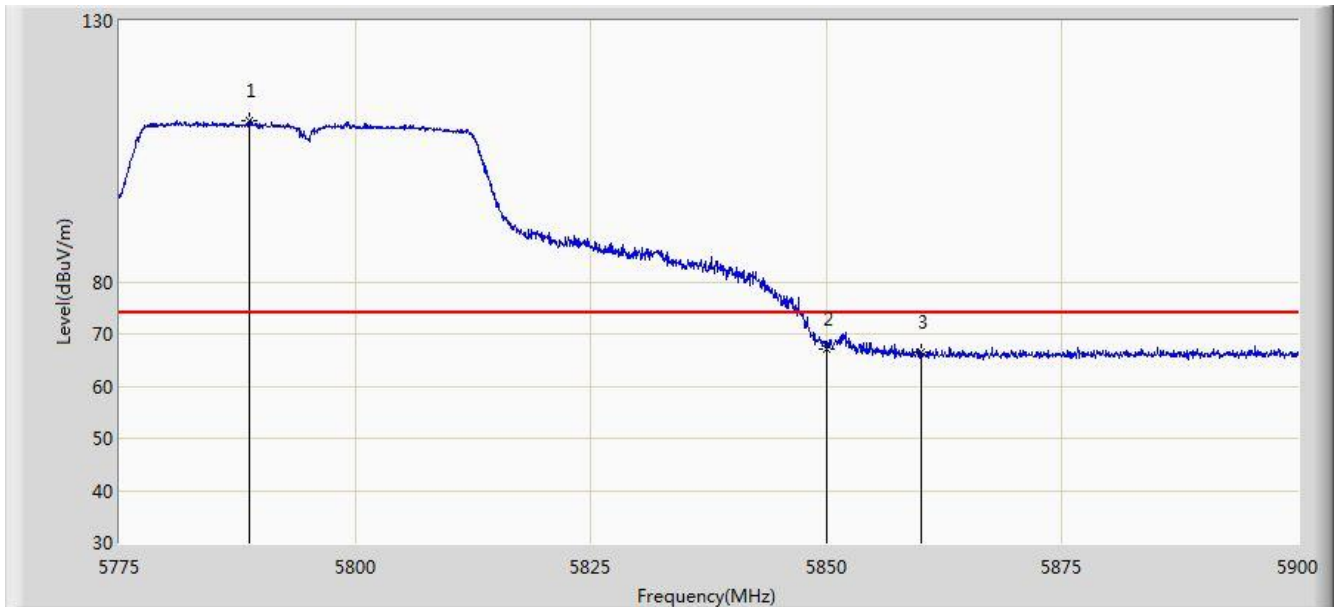


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5782.437	83.347	45.144	N/A	N/A	38.203	AV
2			5860.000	52.280	13.802	-1.720	54.000	38.478	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz 2TX	

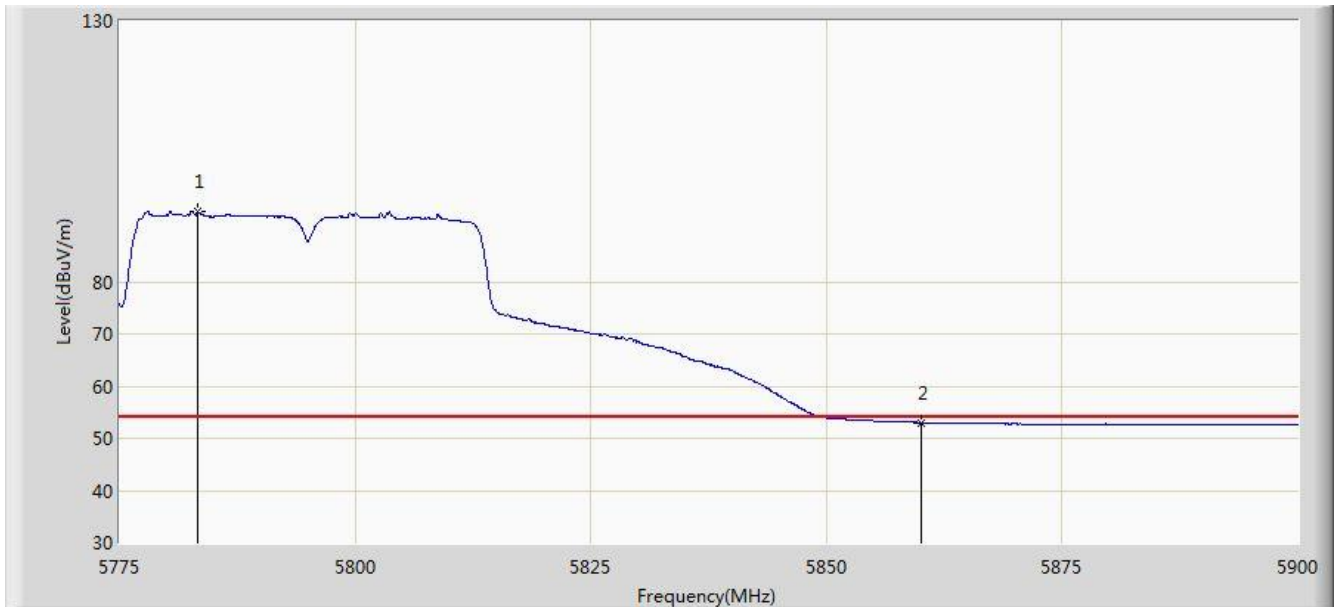


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5788.750	110.981	72.755	N/A	N/A	38.227	PK
2			5850.000	66.984	28.531	-11.216	78.200	38.454	PK
3			5860.000	66.574	28.096	-7.426	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz 2TX	

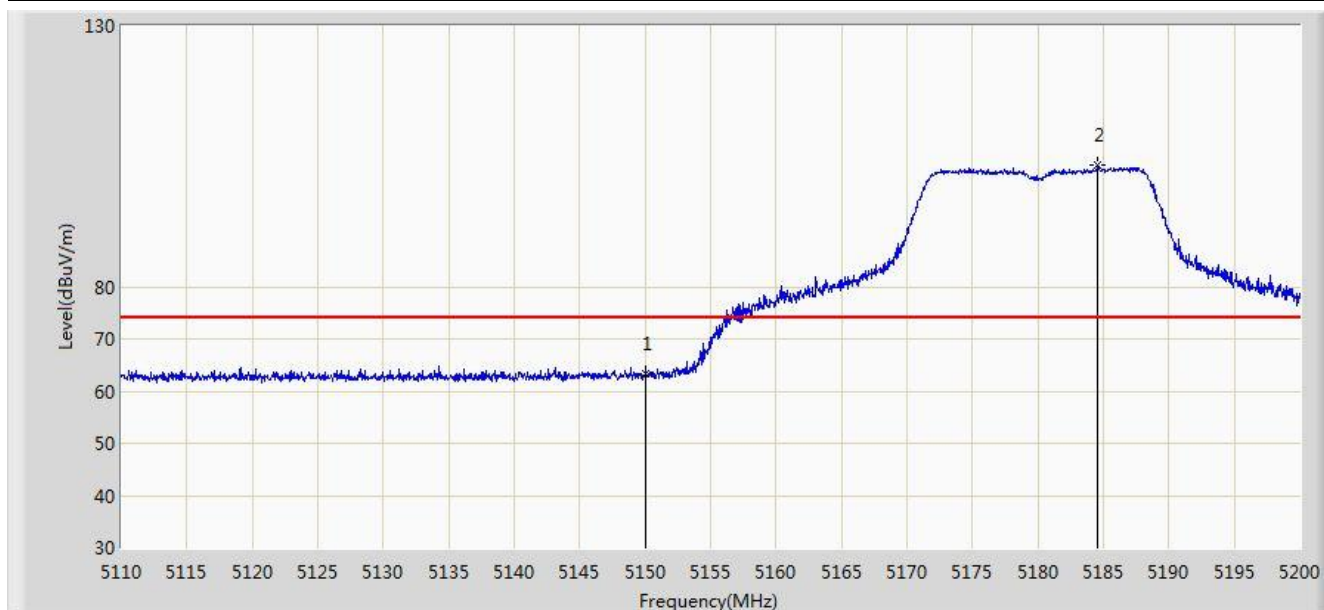


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5783.312	93.534	55.328	N/A	N/A	38.206	AV
2			5860.000	53.034	14.556	-0.966	54.000	38.478	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz 2TX	

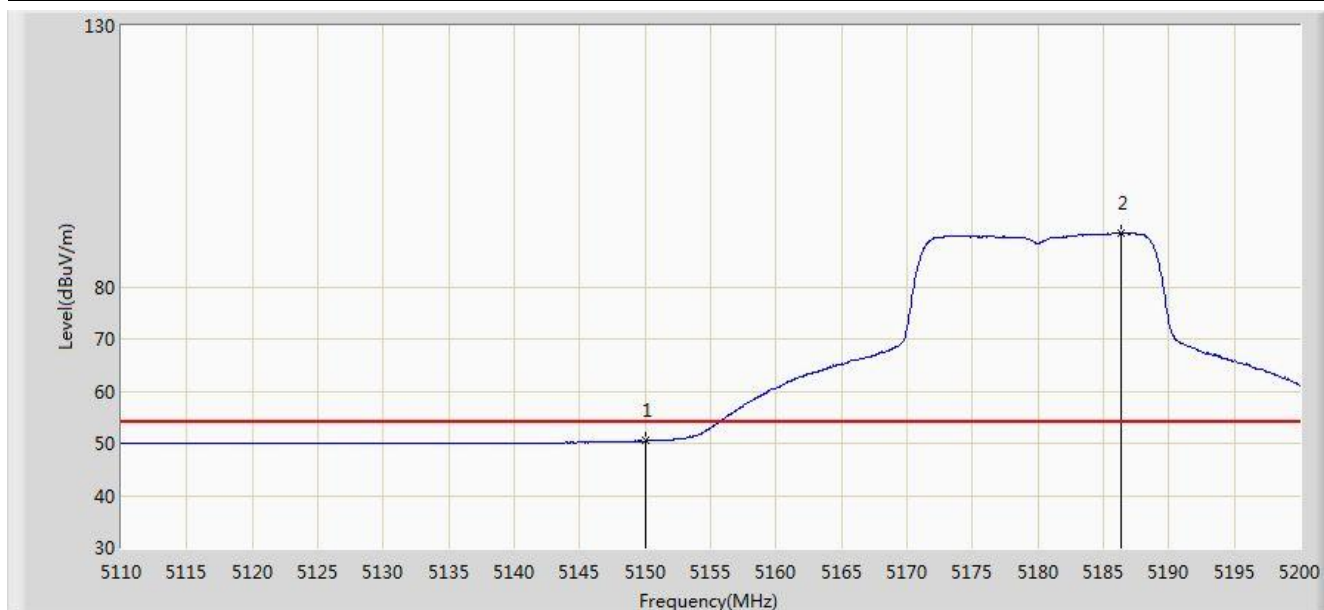


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	63.207	25.755	-10.793	74.000	37.452	PK
2		*	5184.565	103.245	65.882	N/A	N/A	37.362	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz 2TX	

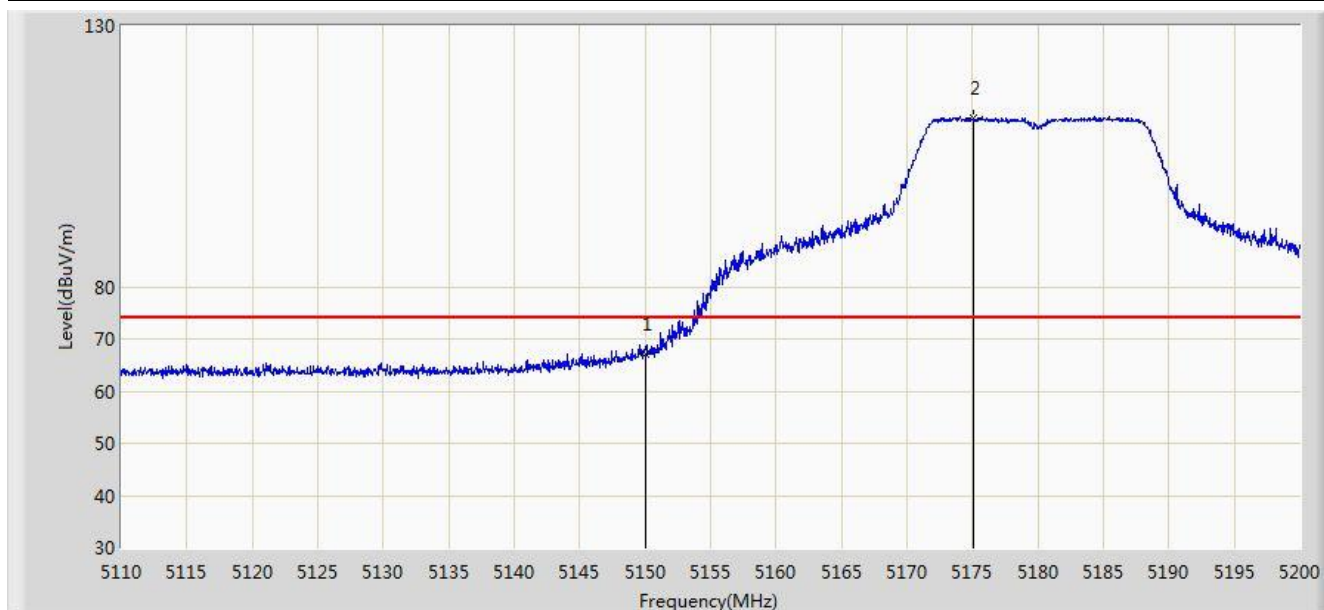


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.435	12.983	-3.565	54.000	37.452	AV
2		*	5186.365	90.262	52.904	N/A	N/A	37.358	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz 2TX	

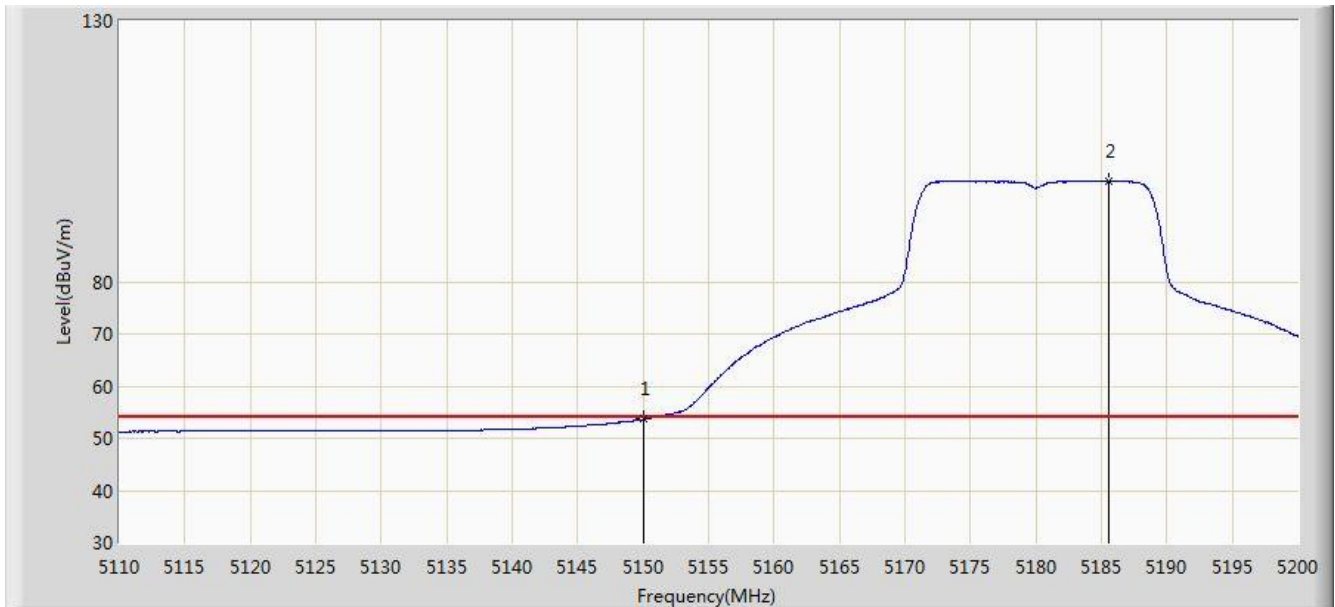


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	67.139	29.687	-6.861	74.000	37.452	PK
2		*	5175.115	112.461	75.076	N/A	N/A	37.385	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz 2TX	

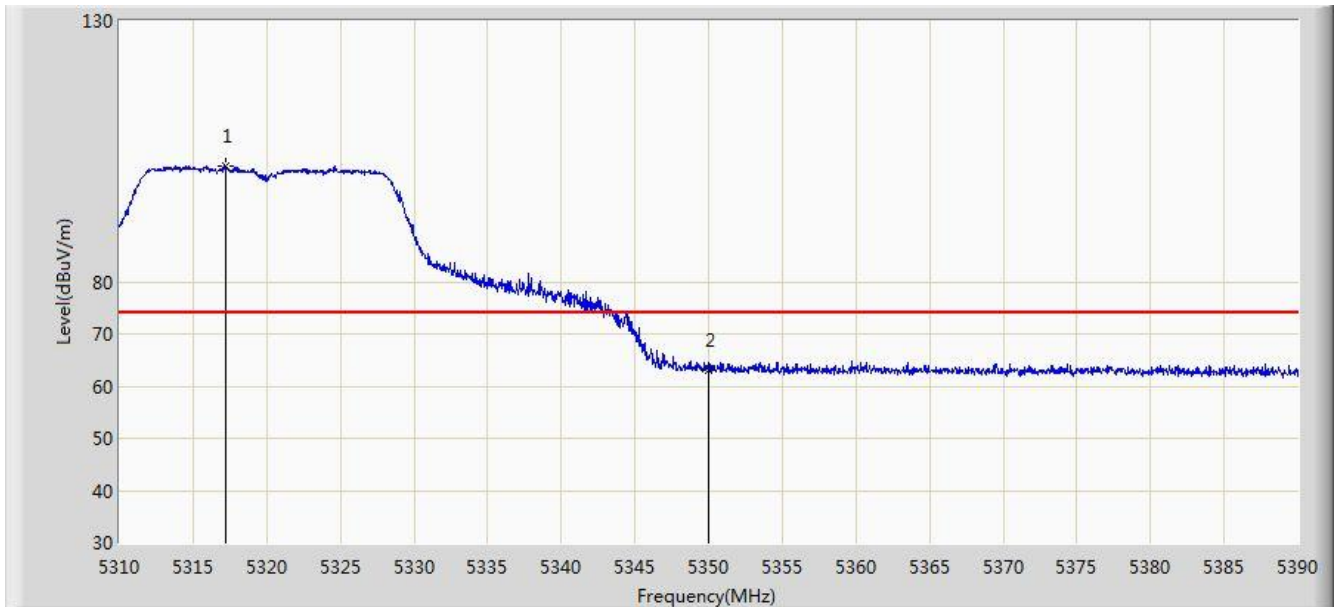


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.658	16.206	-0.342	54.000	37.452	AV
2		*	5185.510	99.418	62.058	N/A	N/A	37.360	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz 2TX	

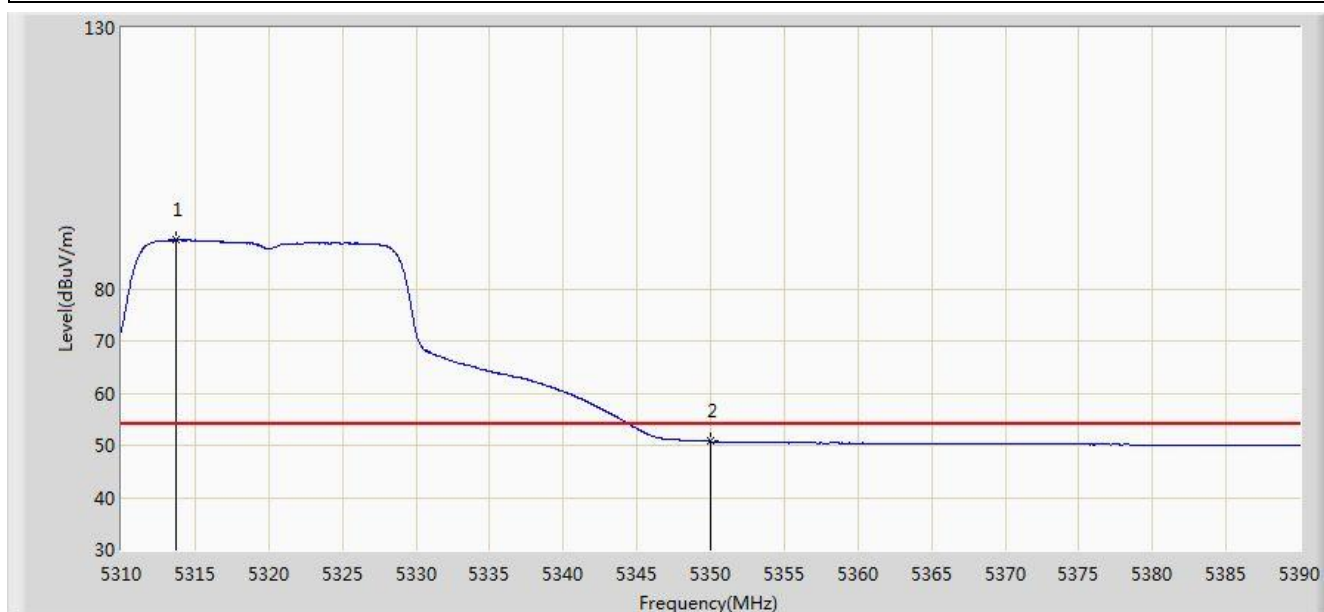


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5317.200	102.267	65.058	N/A	N/A	37.209	PK
2			5350.000	62.924	25.638	-11.076	74.000	37.286	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz 2TX	

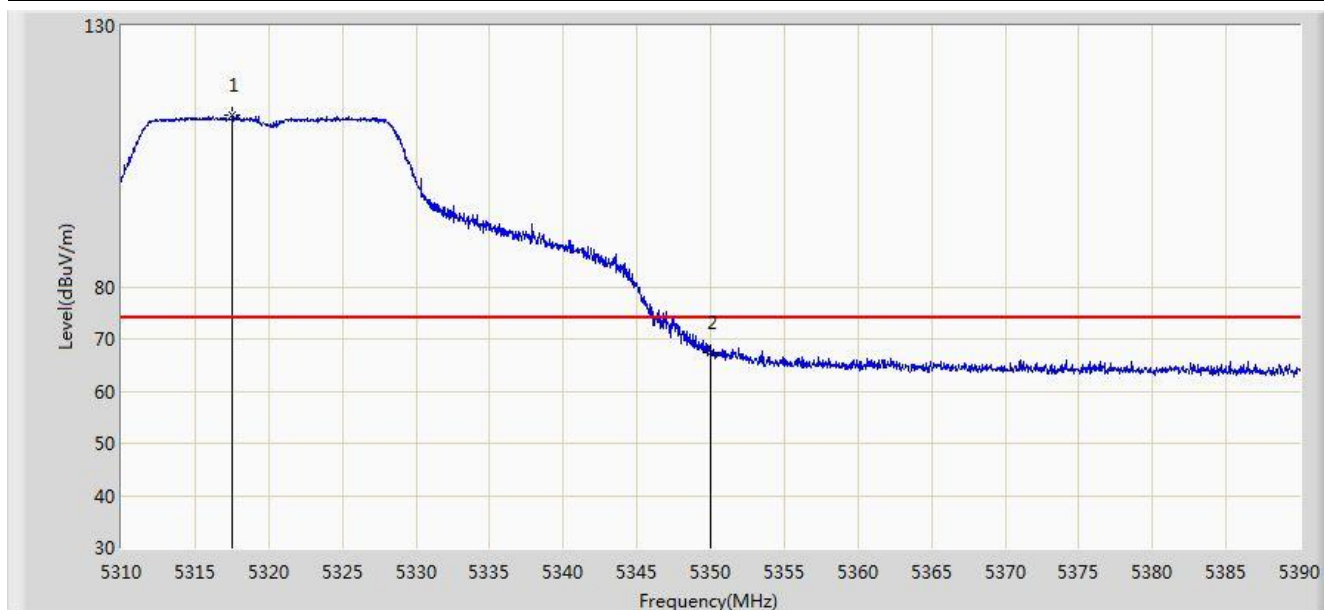


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5313.680	89.334	52.132	N/A	N/A	37.202	AV
2			5350.000	50.742	13.456	-3.258	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz 2TX	

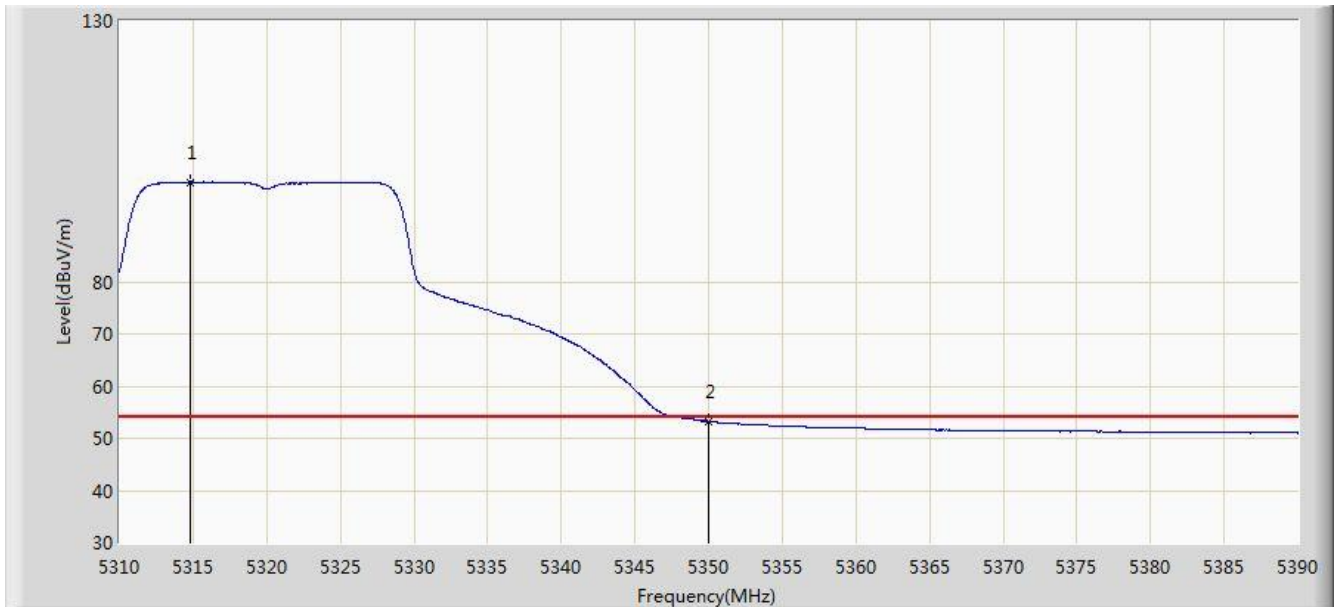


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5317.560	112.800	75.591	N/A	N/A	37.209	PK
2			5350.000	67.263	29.977	-6.737	74.000	37.286	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz 2TX	

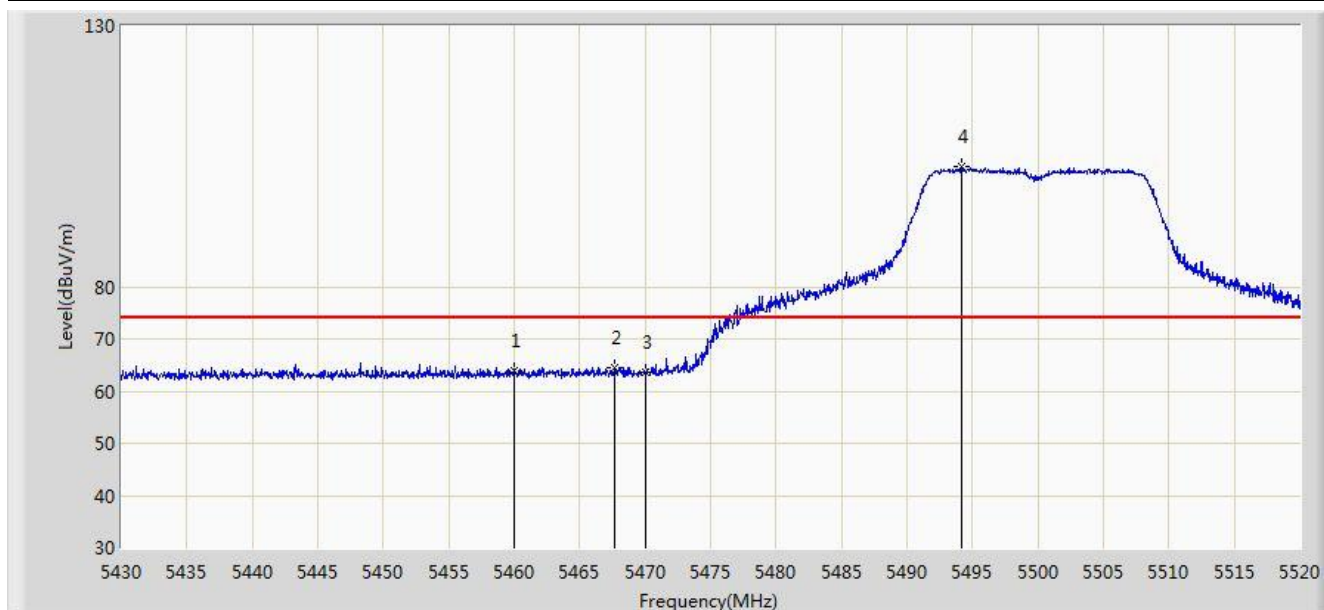


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5314.800	99.109	61.905	N/A	N/A	37.204	AV
2			5350.000	53.288	16.002	-0.712	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz 2TX	

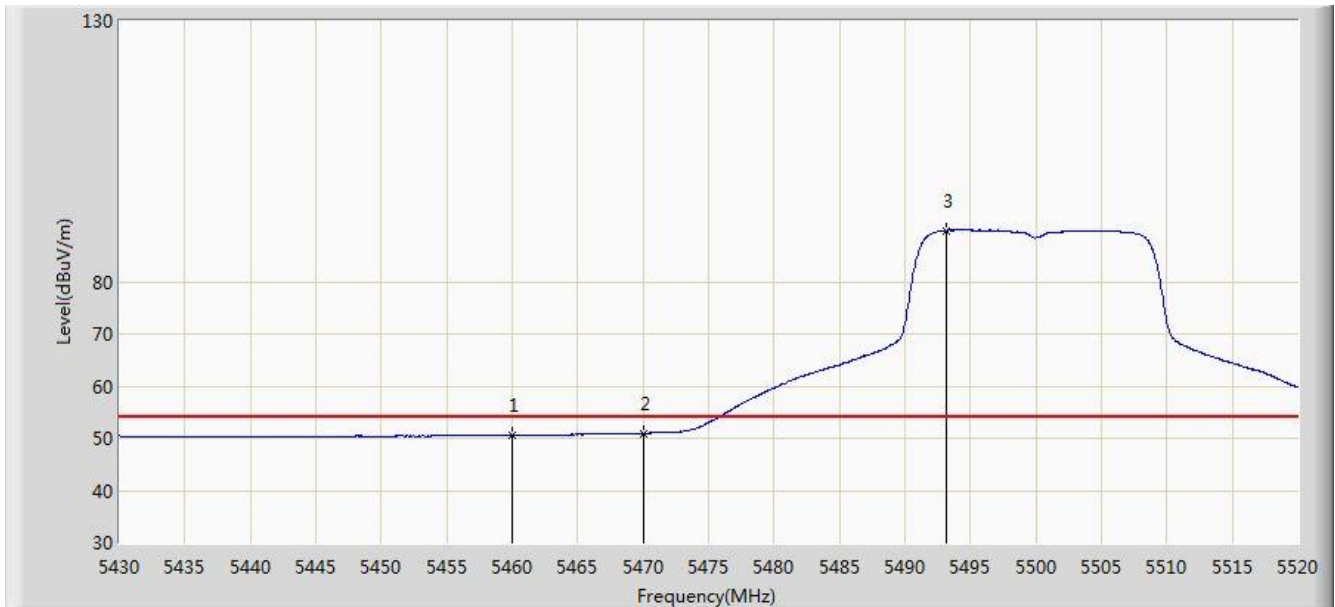


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	63.999	26.436	-10.001	74.000	37.563	PK
2			5467.665	64.633	27.051	-9.367	74.000	37.583	PK
3			5470.000	63.557	25.968	-10.443	74.000	37.588	PK
4		*	5494.125	102.899	65.281	N/A	N/A	37.618	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz 2TX	

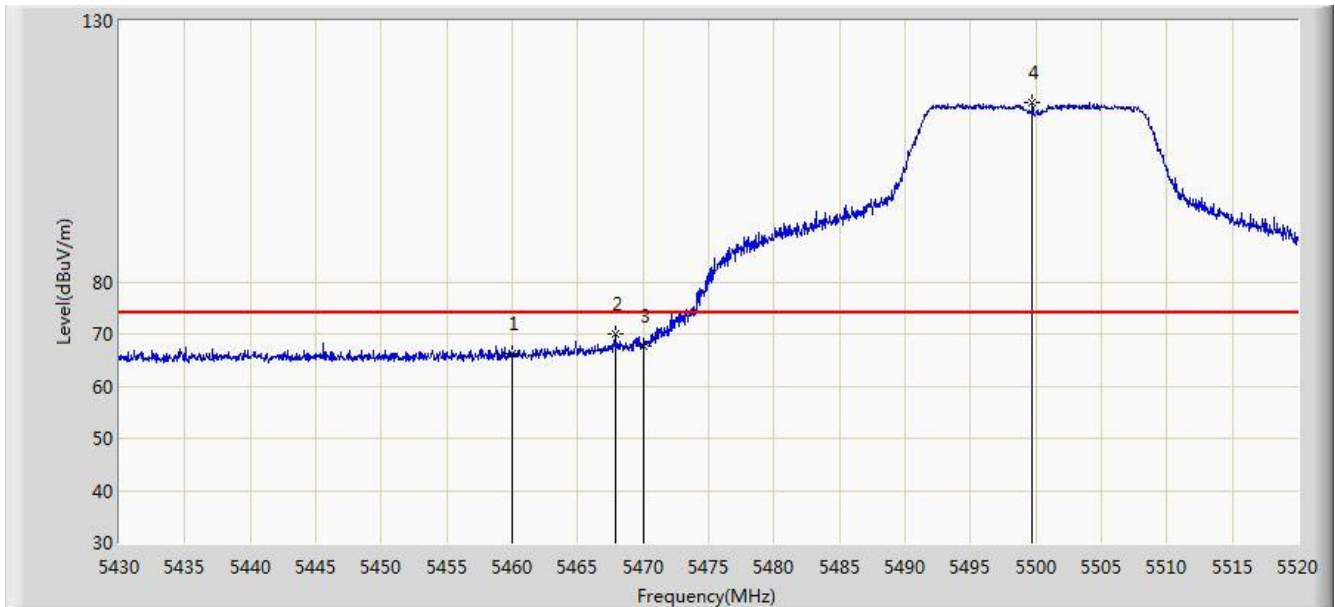


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.576	13.013	-3.424	54.000	37.563	AV
2			5470.000	50.919	13.330	-3.081	54.000	37.588	AV
3		*	5493.180	89.798	52.181	N/A	N/A	37.617	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz 2TX	

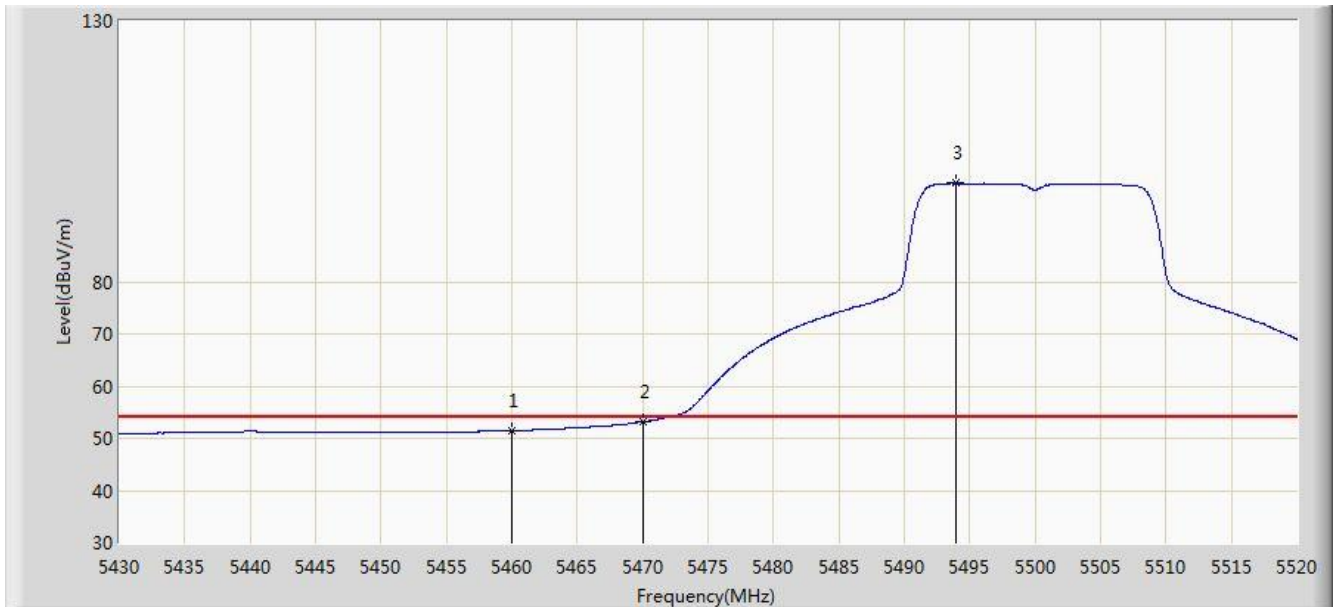


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	66.183	28.620	-7.817	74.000	37.563	PK
2			5467.890	70.070	32.487	-3.930	74.000	37.583	PK
3			5470.000	67.676	30.087	-6.324	74.000	37.588	PK
4		*	5499.750	114.434	76.810	N/A	N/A	37.624	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz 2TX	

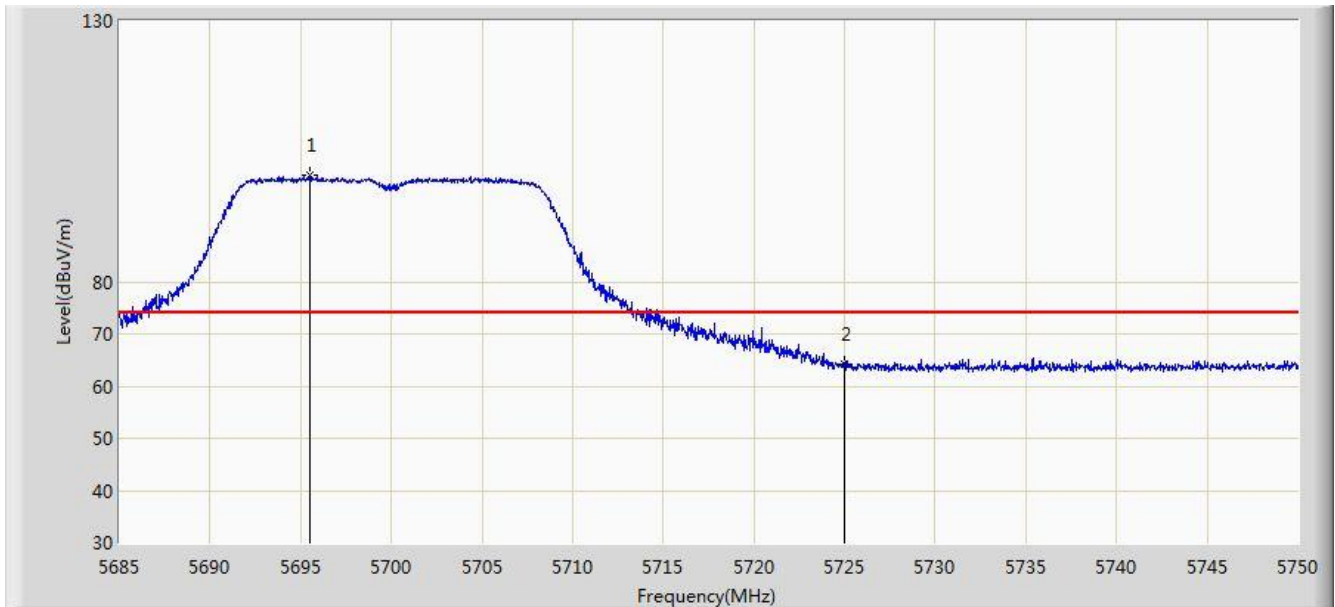


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	51.514	13.951	-2.486	54.000	37.563	AV
2			5470.000	53.173	15.585	-0.827	54.000	37.588	AV
3		*	5493.900	99.000	61.383	N/A	N/A	37.617	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz 2TX	

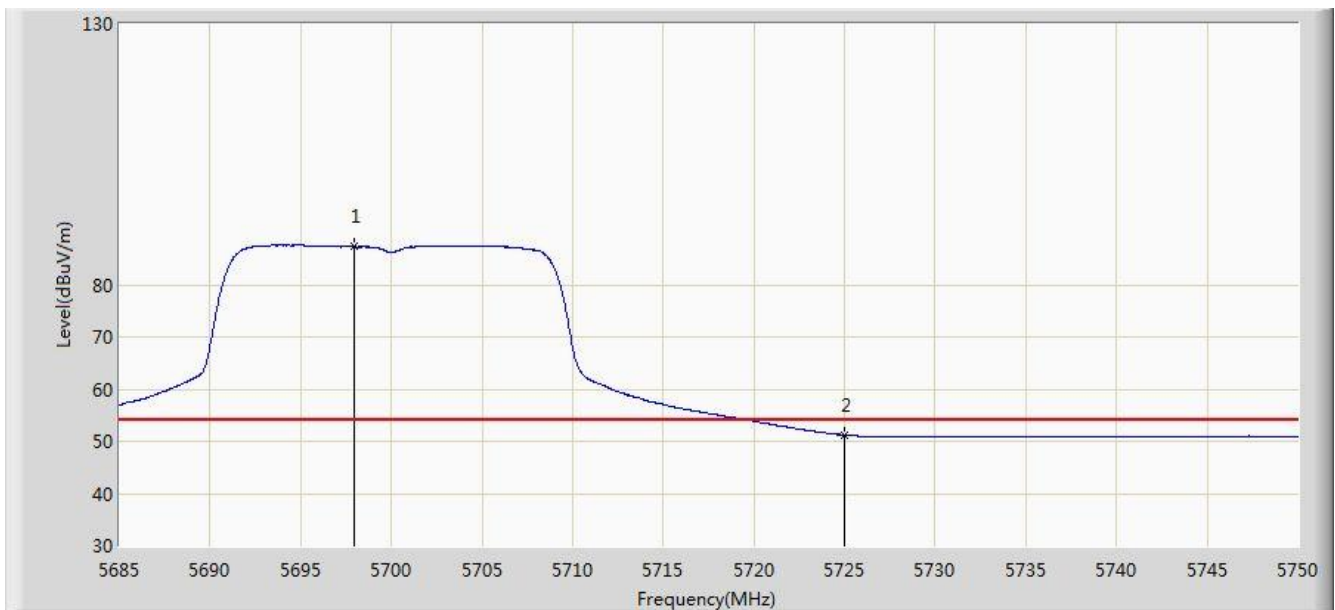


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5695.498	100.367	62.486	N/A	N/A	37.881	PK
2			5725.000	64.139	26.149	-9.861	74.000	37.990	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz 2TX	

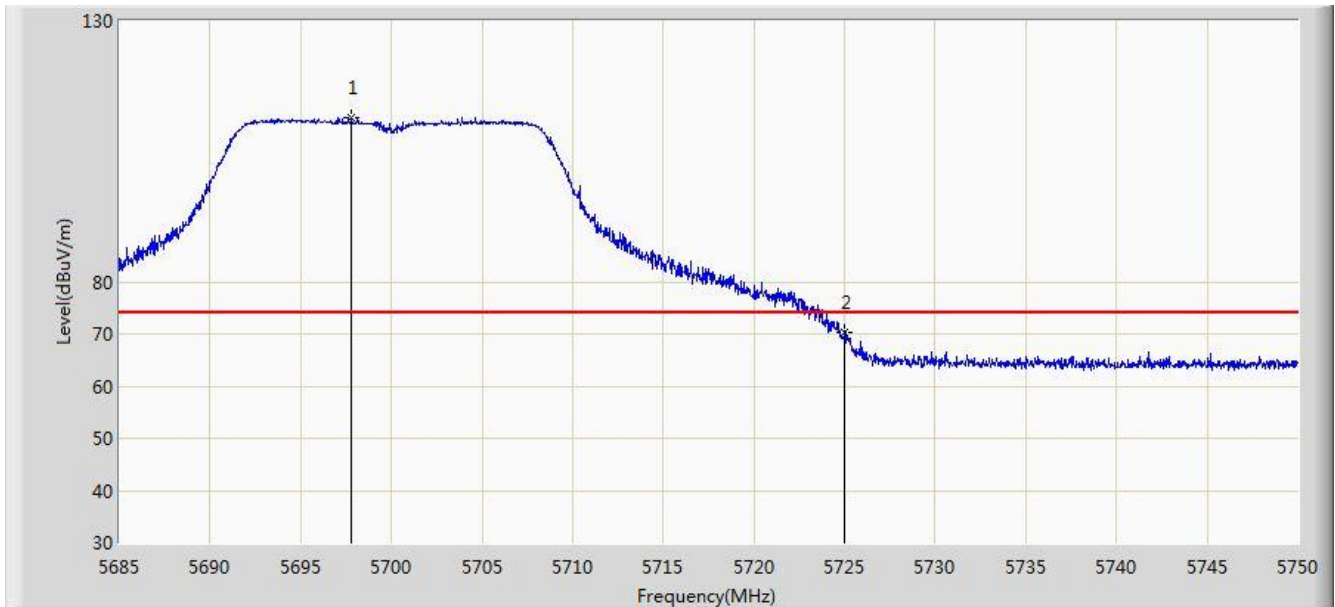


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5697.935	87.319	49.432	N/A	N/A	37.887	AV
2			5725.000	51.234	13.244	-2.766	54.000	37.990	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz 2TX	

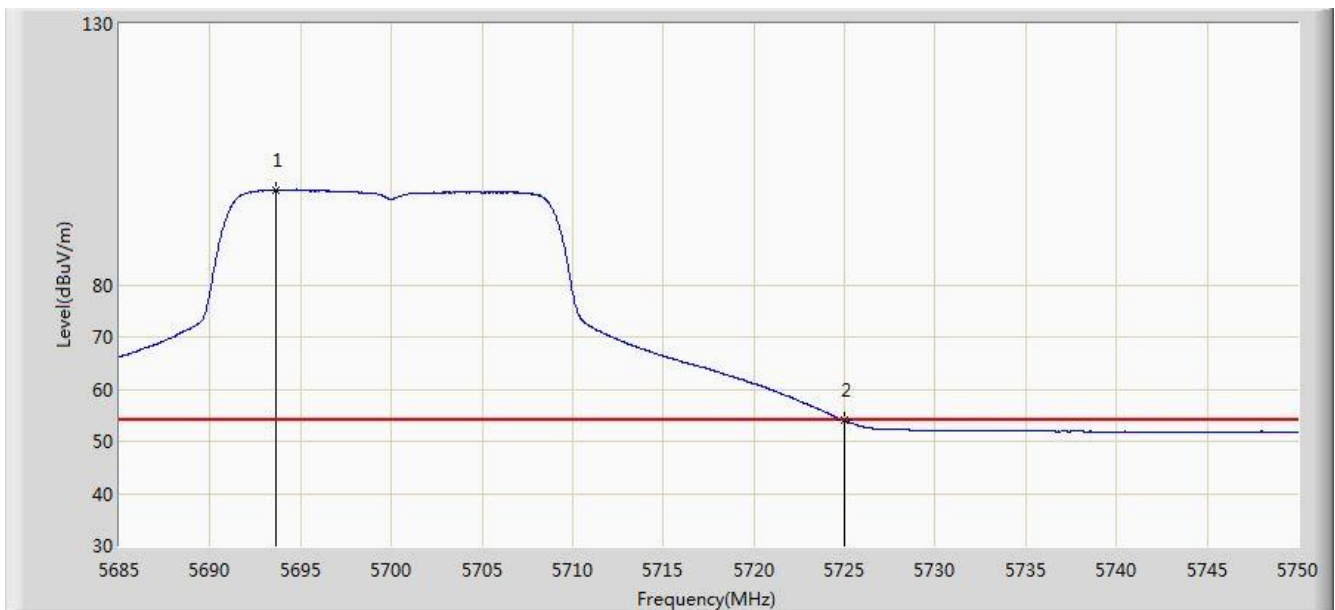


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5697.805	111.592	73.705	N/A	N/A	37.887	PK
2			5725.000	70.322	32.332	-3.678	74.000	37.990	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz 2TX	

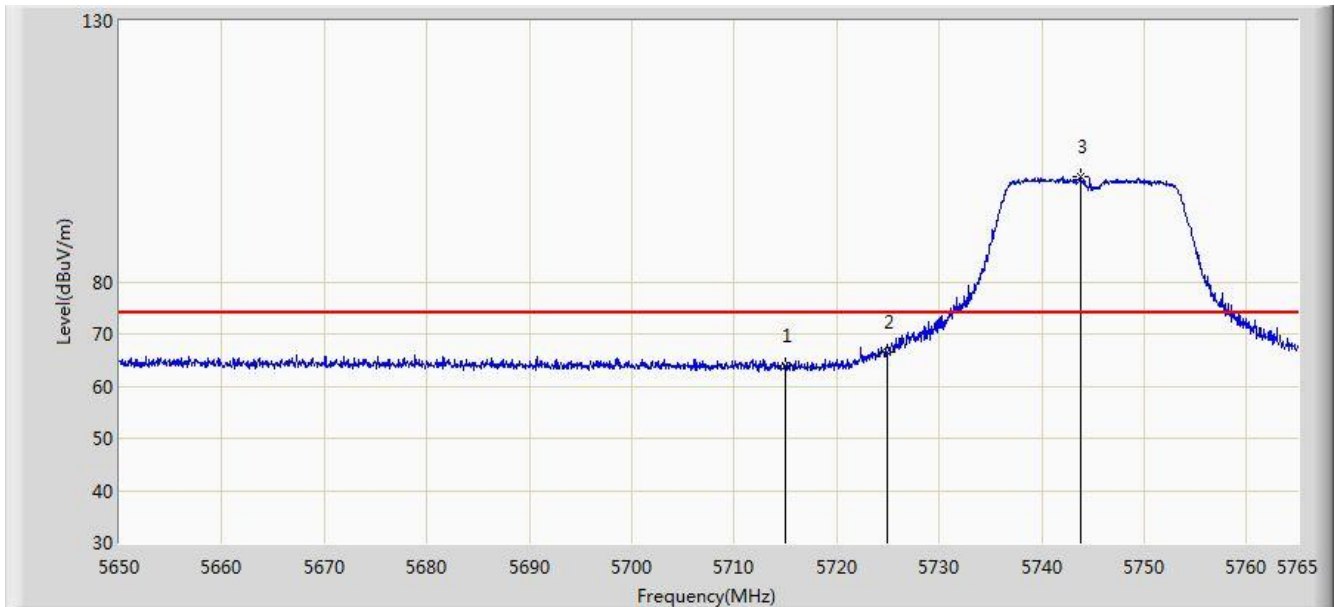


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5693.612	98.179	60.303	N/A	N/A	37.877	AV
2			5725.000	53.923	15.933	-0.077	54.000	37.990	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz 2TX	

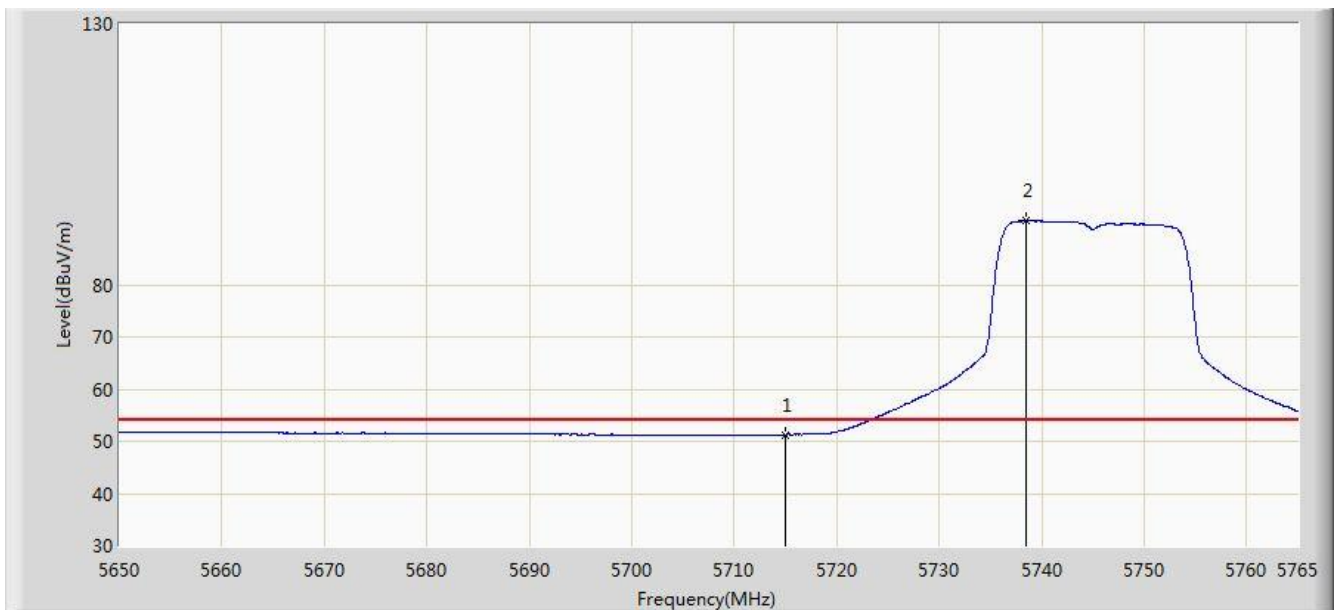


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	63.919	25.970	-10.081	74.000	37.949	PK
2			5725.000	66.629	28.639	-11.571	78.200	37.990	PK
3		*	5743.783	100.126	62.060	N/A	N/A	38.066	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz 2TX	

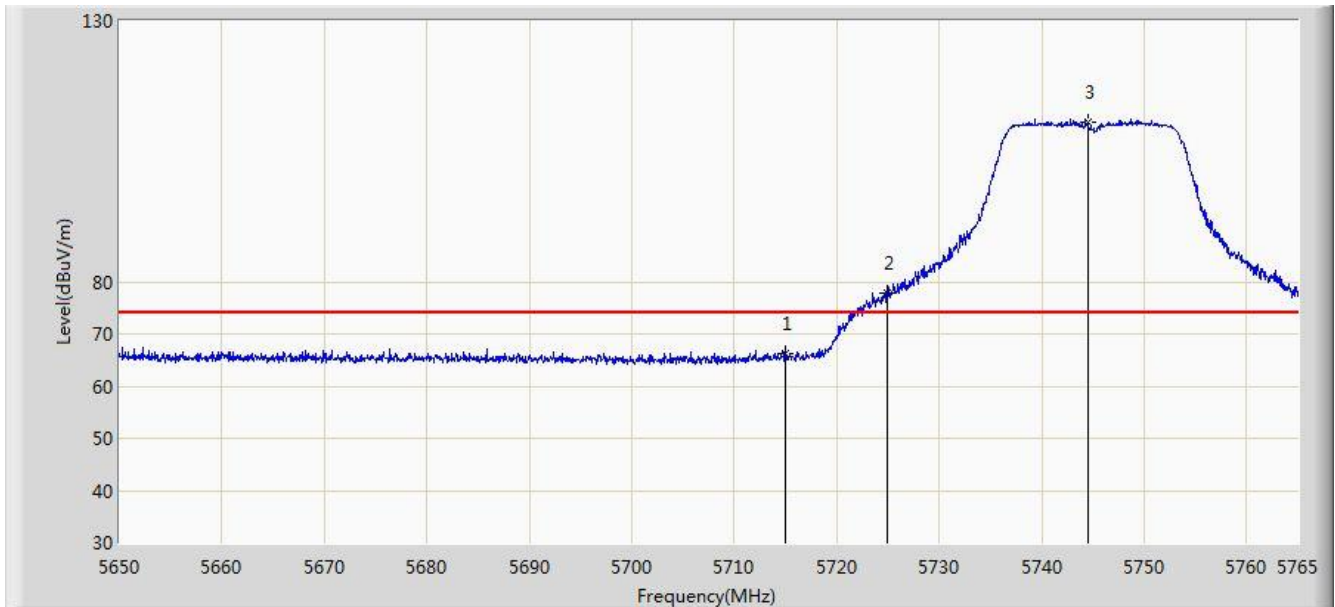


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.274	13.325	-2.726	54.000	37.949	AV
2		*	5738.550	92.268	54.222	N/A	N/A	38.046	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz 2TX	

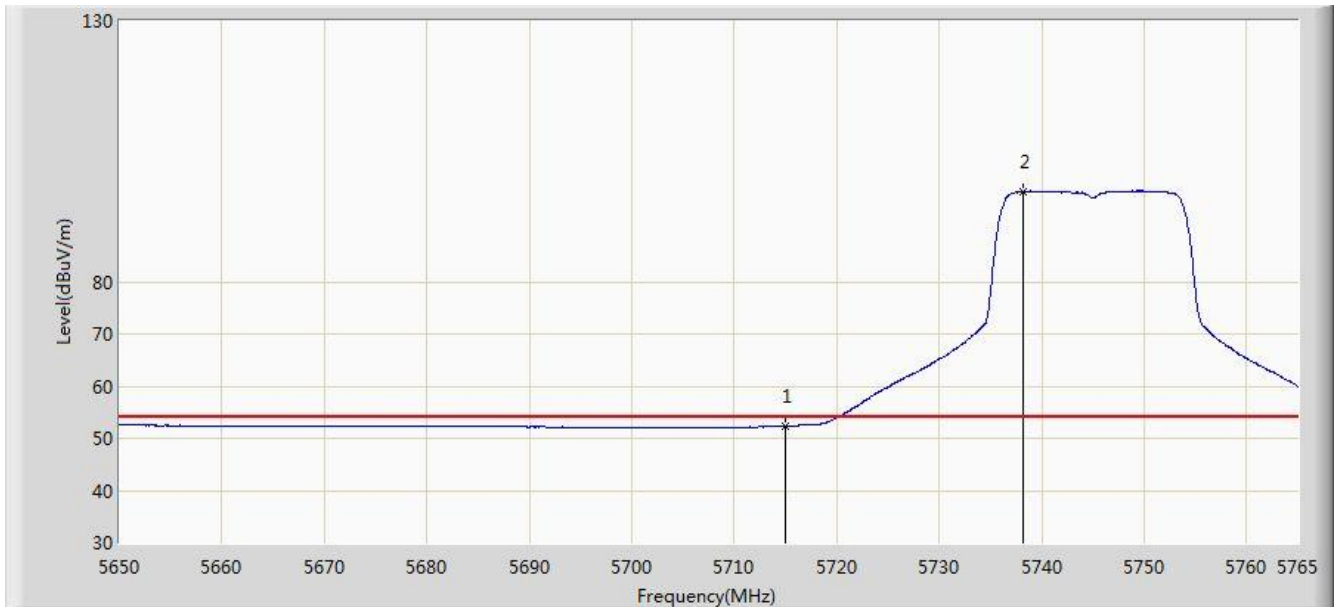


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	66.152	28.203	-7.848	74.000	37.949	PK
2			5725.000	77.969	39.979	-0.231	78.200	37.990	PK
3		*	5744.530	110.647	72.577	N/A	N/A	38.069	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz 2TX	

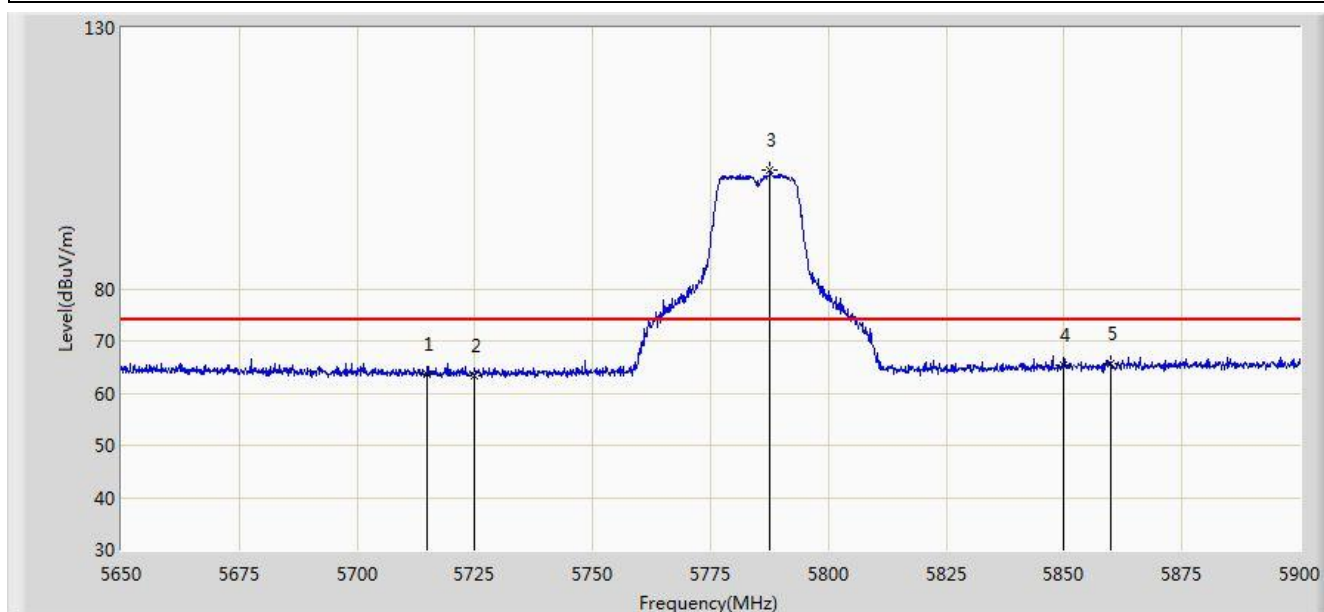


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	52.352	14.403	-1.648	54.000	37.949	AV
2		*	5738.147	97.281	59.237	N/A	N/A	38.044	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5785MHz 2TX	

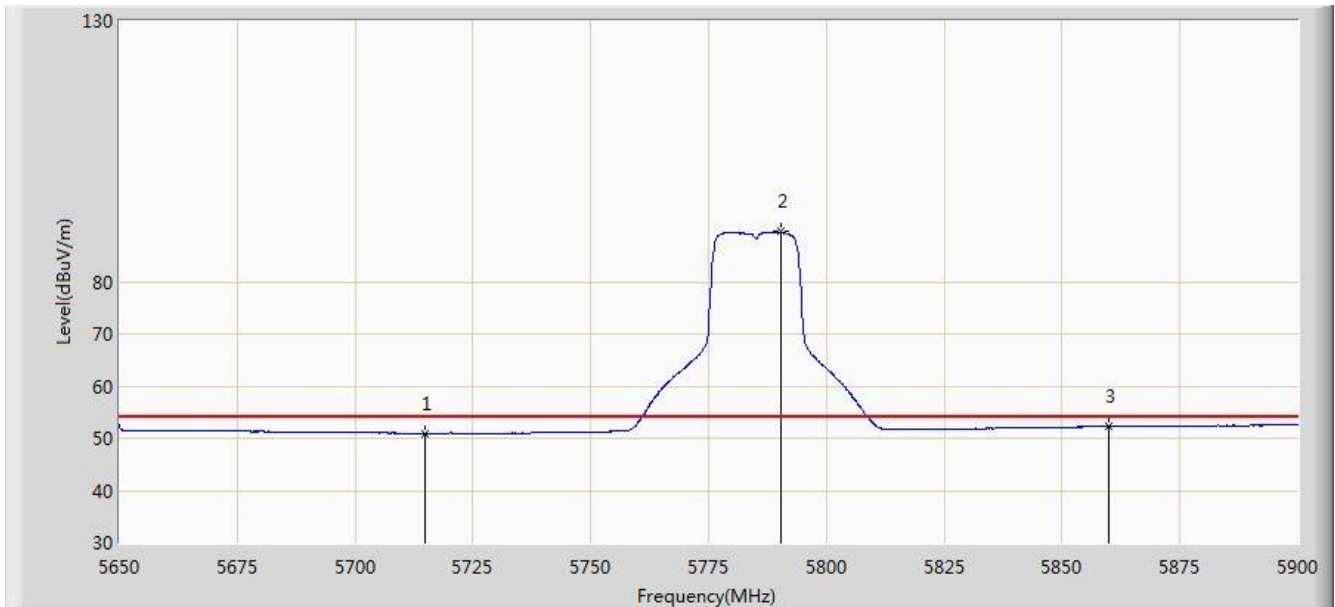


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	63.751	25.802	-10.249	74.000	37.949	PK
2			5725.000	63.277	25.287	-14.923	78.200	37.990	PK
3		*	5787.625	102.765	64.543	N/A	N/A	38.222	PK
4			5850.000	65.255	26.802	-12.945	78.200	38.454	PK
5			5860.000	65.636	27.158	-8.364	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5785MHz 2TX	

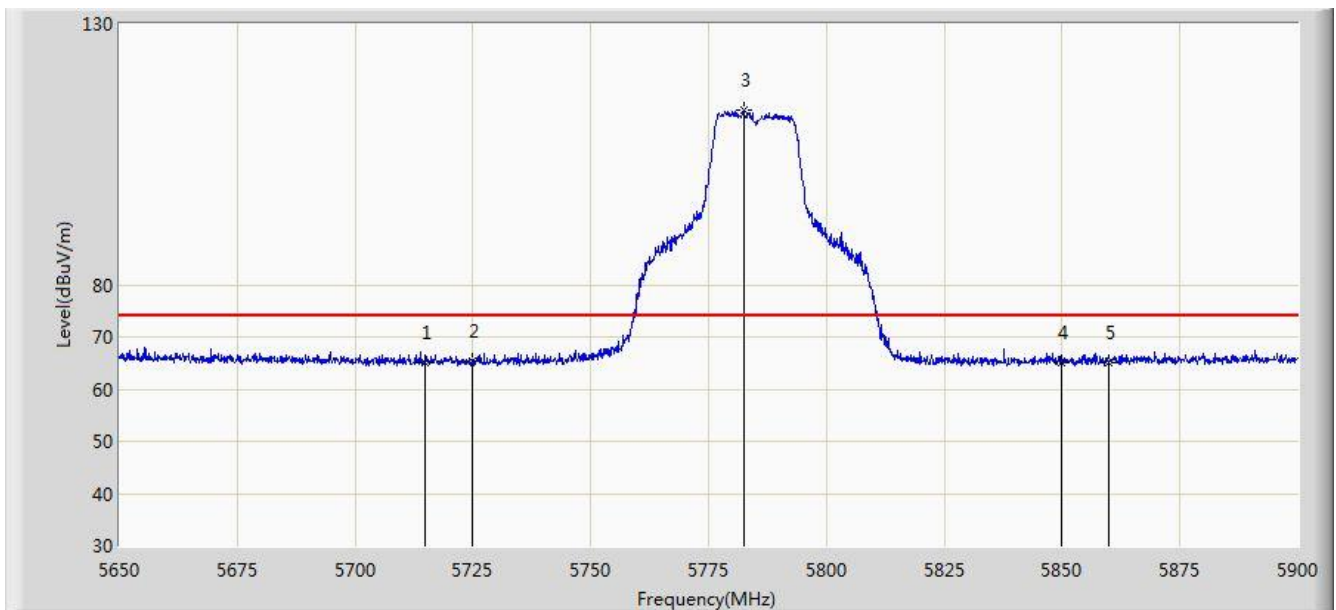


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	50.944	12.995	-3.056	54.000	37.949	AV
2		*	5790.250	89.582	51.350	N/A	N/A	38.232	AV
3			5860.000	52.237	13.759	-1.763	54.000	38.478	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5785MHz 2TX	

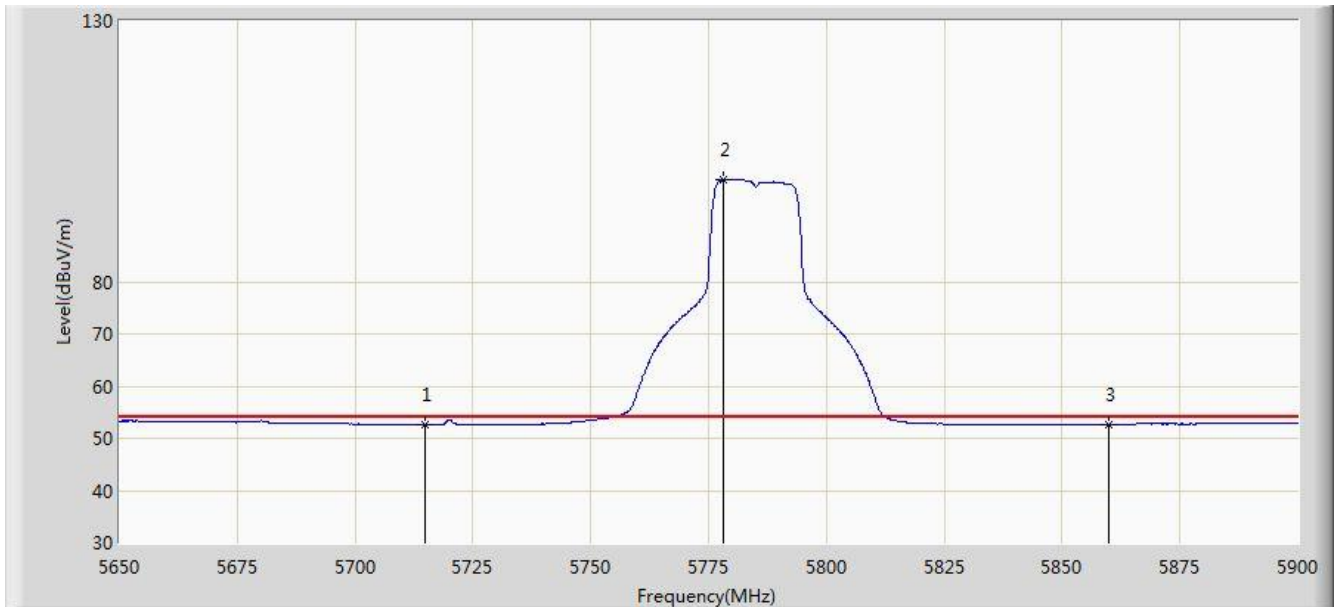


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	65.141	27.192	-8.859	74.000	37.949	PK
2			5725.000	65.485	27.495	-12.715	78.200	37.990	PK
3		*	5782.375	113.491	75.288	N/A	N/A	38.203	PK
4			5850.000	65.068	26.615	-13.132	78.200	38.454	PK
5			5860.000	64.987	26.509	-9.013	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 16:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5785MHz 2TX	

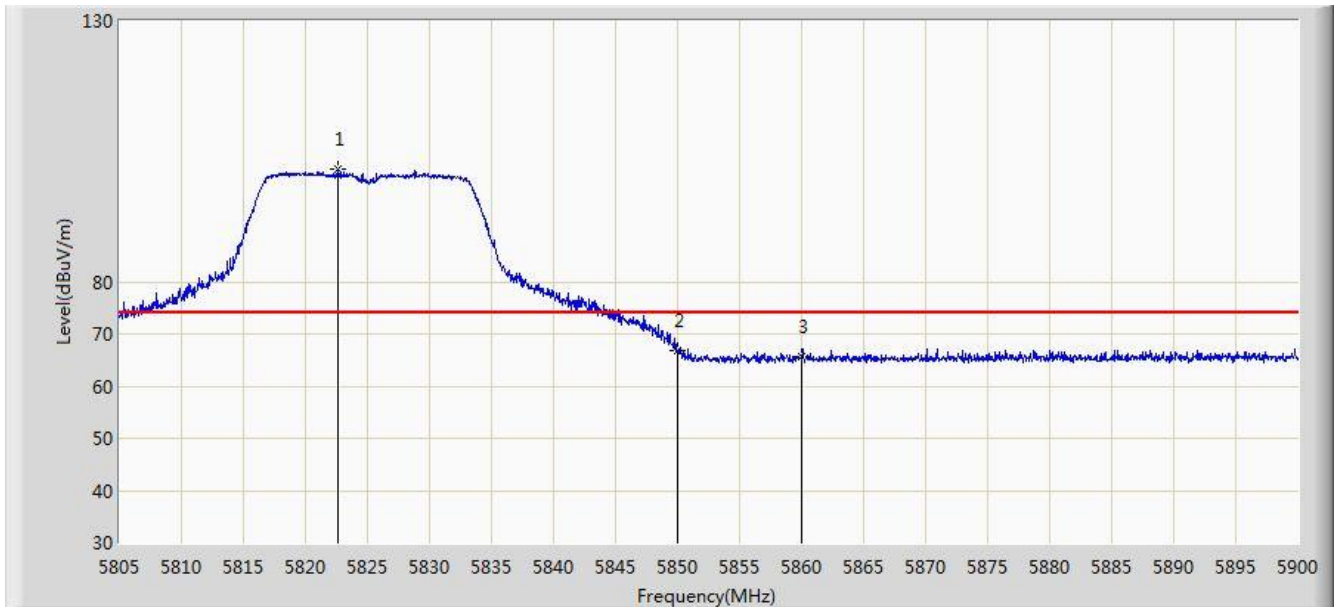


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	52.646	14.697	-1.354	54.000	37.949	AV
2		*	5778.125	99.569	61.382	N/A	N/A	38.188	AV
3			5860.000	52.693	14.215	-1.307	54.000	38.478	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz 2TX	

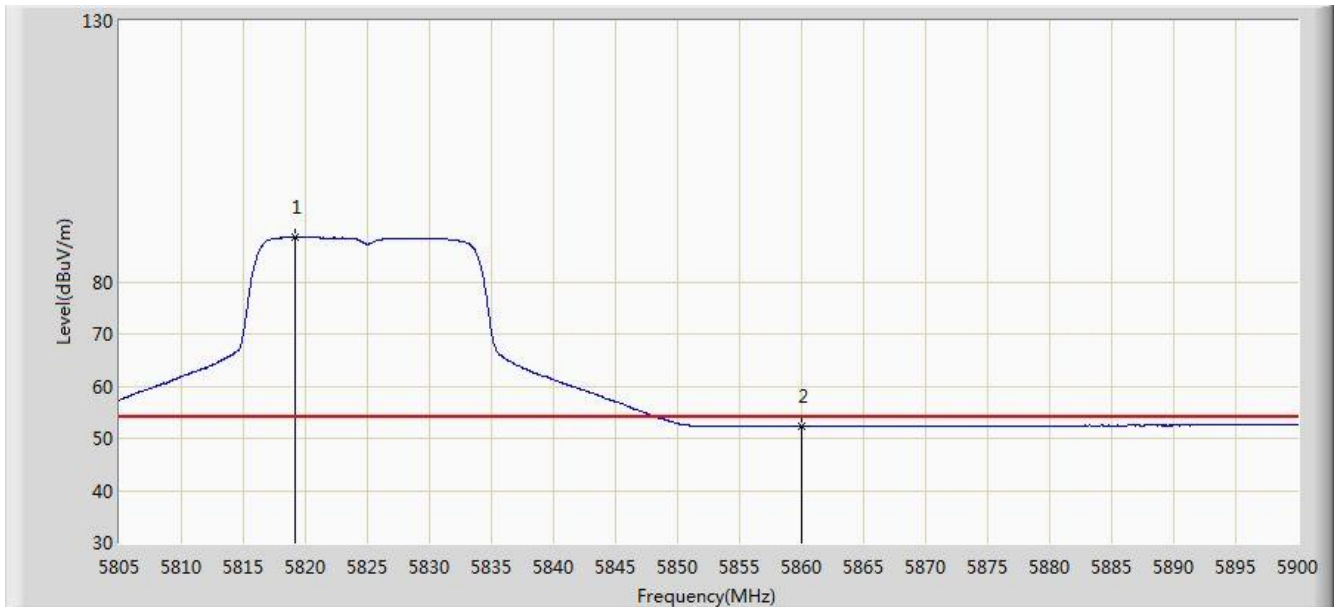


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5822.670	101.523	63.177	N/A	N/A	38.346	PK
2			5850.000	66.741	28.288	-11.459	78.200	38.454	PK
3			5860.000	65.604	27.126	-8.396	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz 2TX	

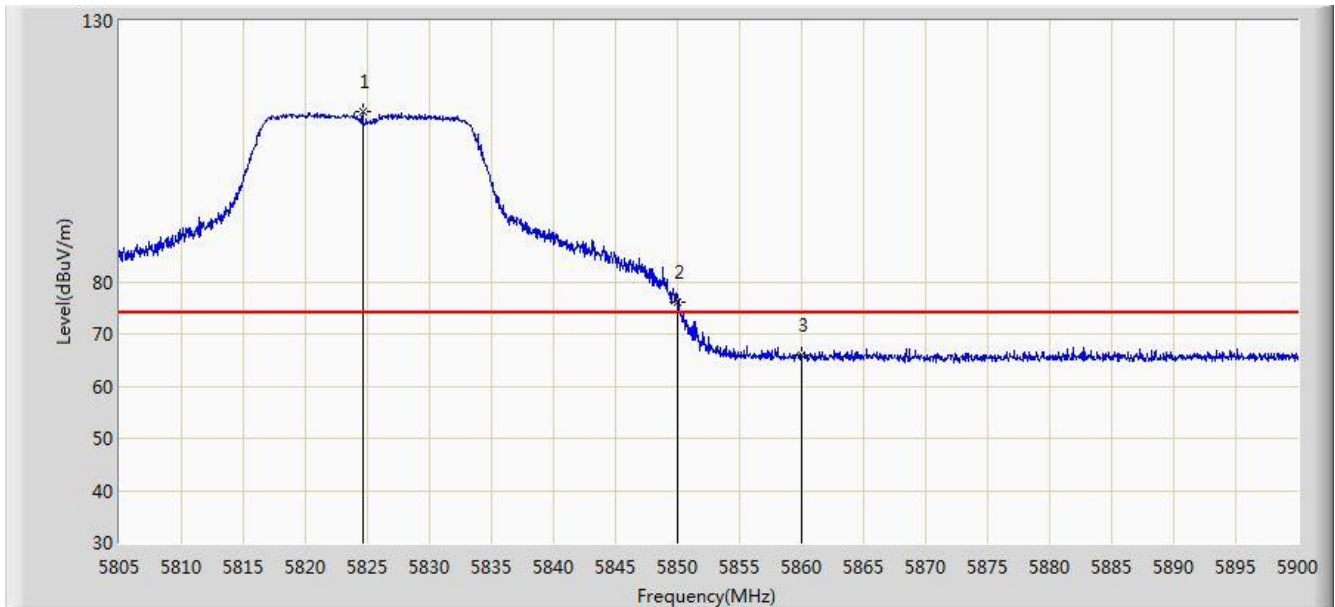


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.203	88.546	50.214	N/A	N/A	38.331	AV
2			5860.000	52.276	13.798	-1.724	54.000	38.478	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz 2TX	

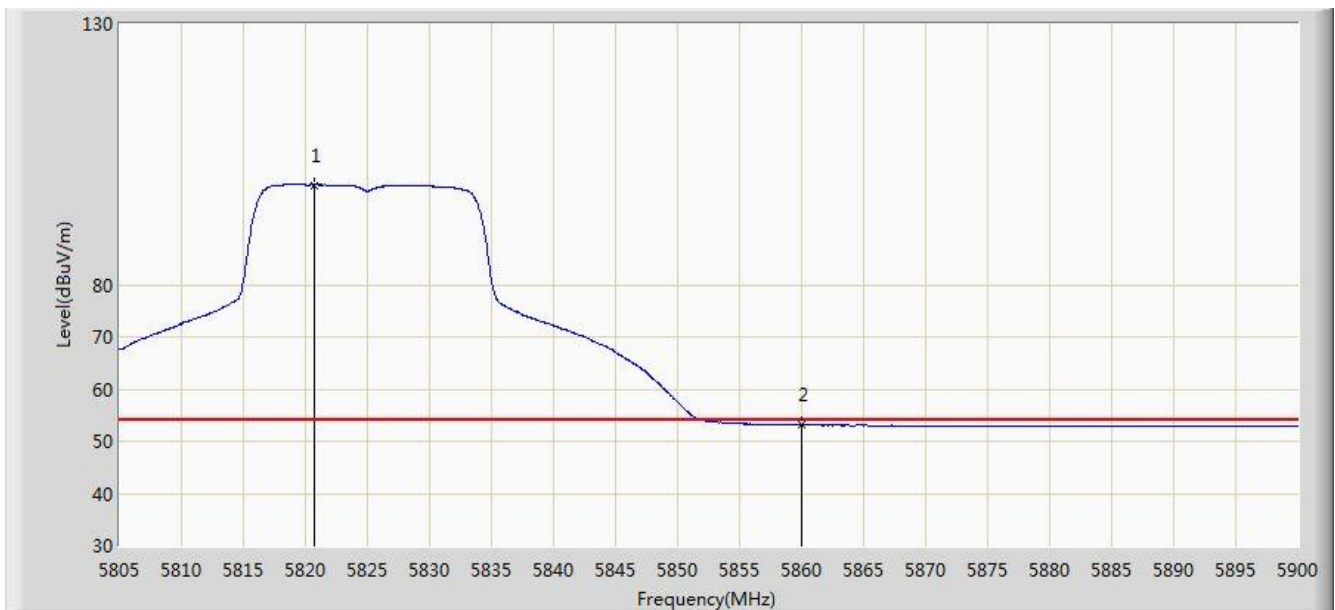


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5824.618	112.564	74.210	N/A	N/A	38.354	PK
2			5850.000	76.228	37.775	-1.972	78.200	38.454	PK
3			5860.000	65.957	27.479	-8.043	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz 2TX	

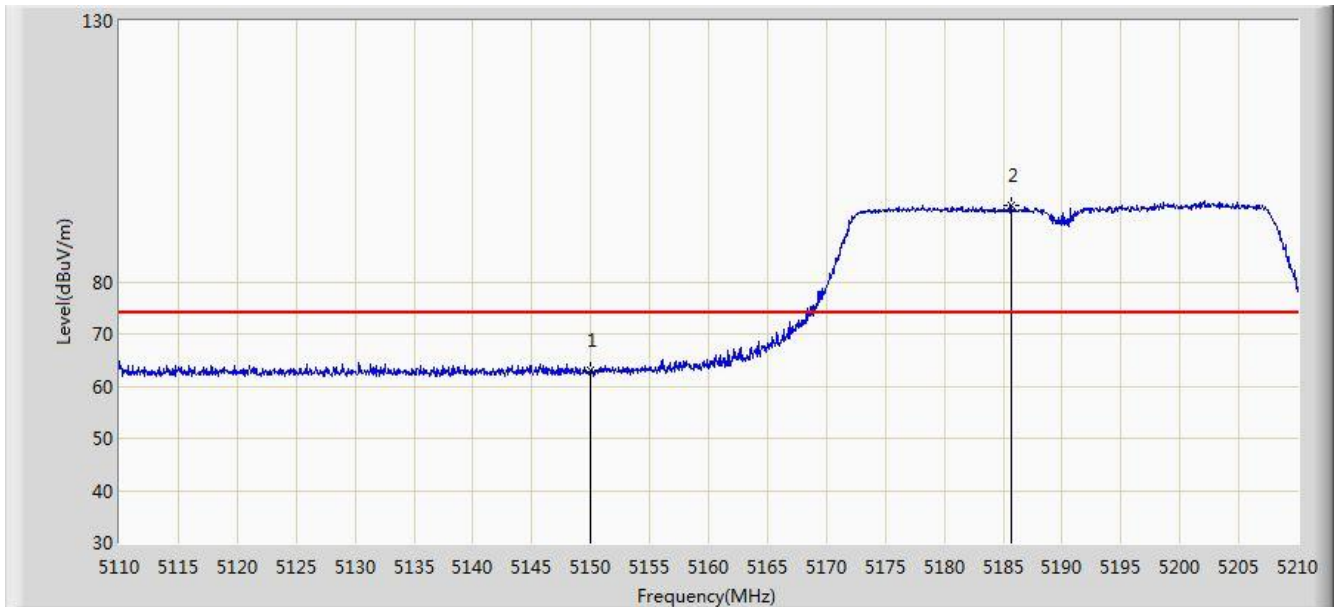


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.770	99.130	60.792	N/A	N/A	38.338	AV
2			5860.000	53.121	14.643	-0.879	54.000	38.478	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz 2TX	

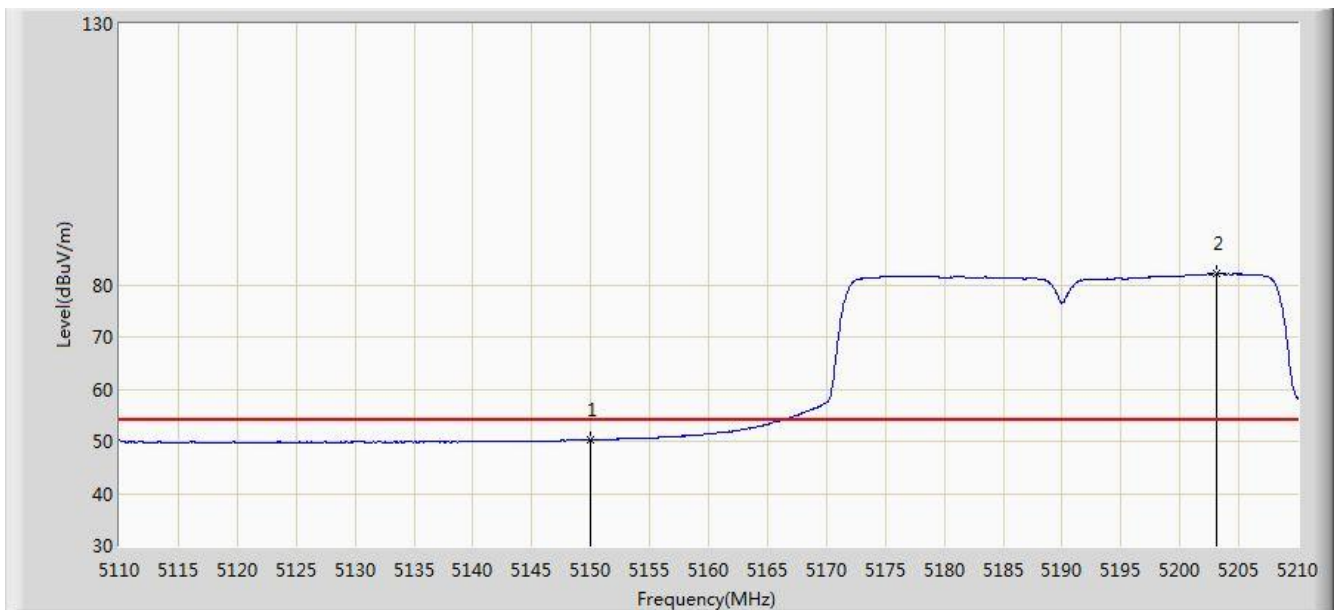


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	63.123	25.671	-10.877	74.000	37.452	PK
2		*	5185.700	94.573	57.213	N/A	N/A	37.359	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz 2TX	

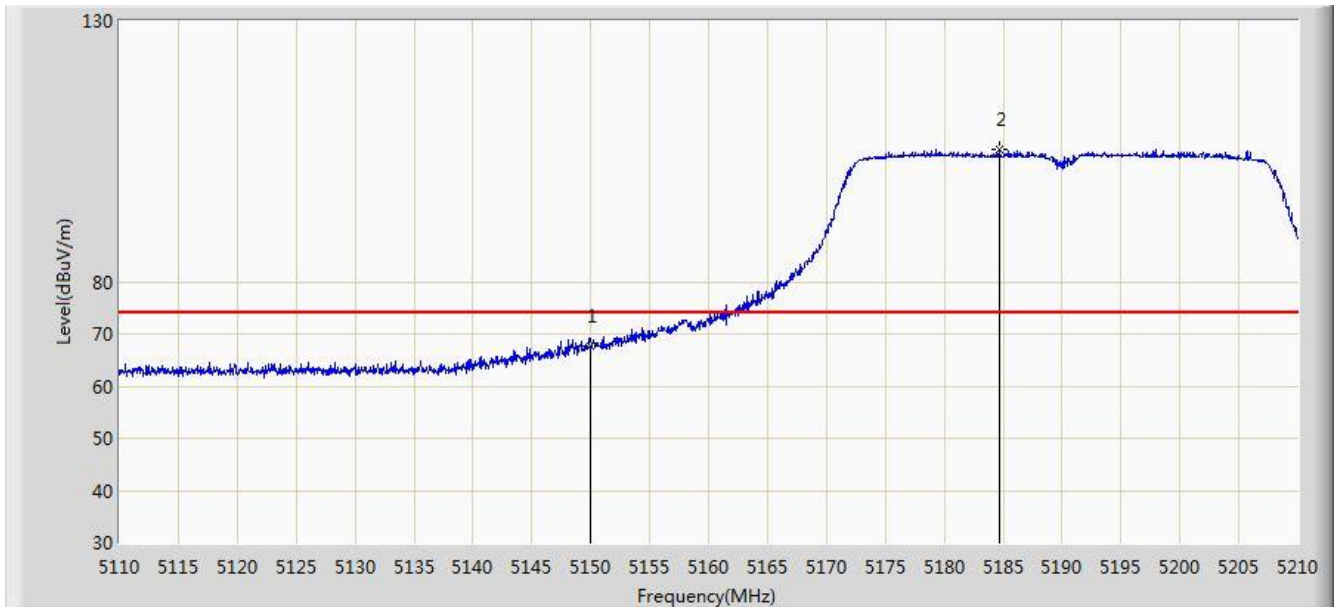


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.254	12.802	-3.746	54.000	37.452	AV
2		*	5203.100	82.059	44.745	N/A	N/A	37.314	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz 2TX	

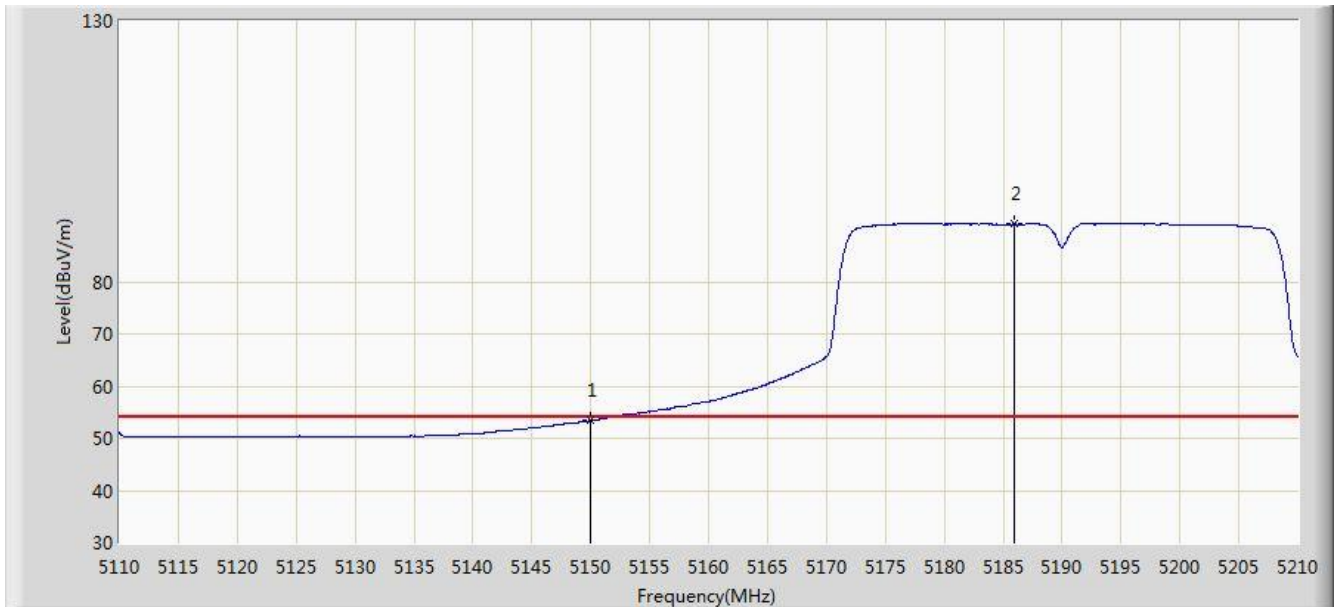


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	67.818	30.366	-6.182	74.000	37.452	PK
2		*	5184.650	105.273	67.911	N/A	N/A	37.362	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz 2TX	

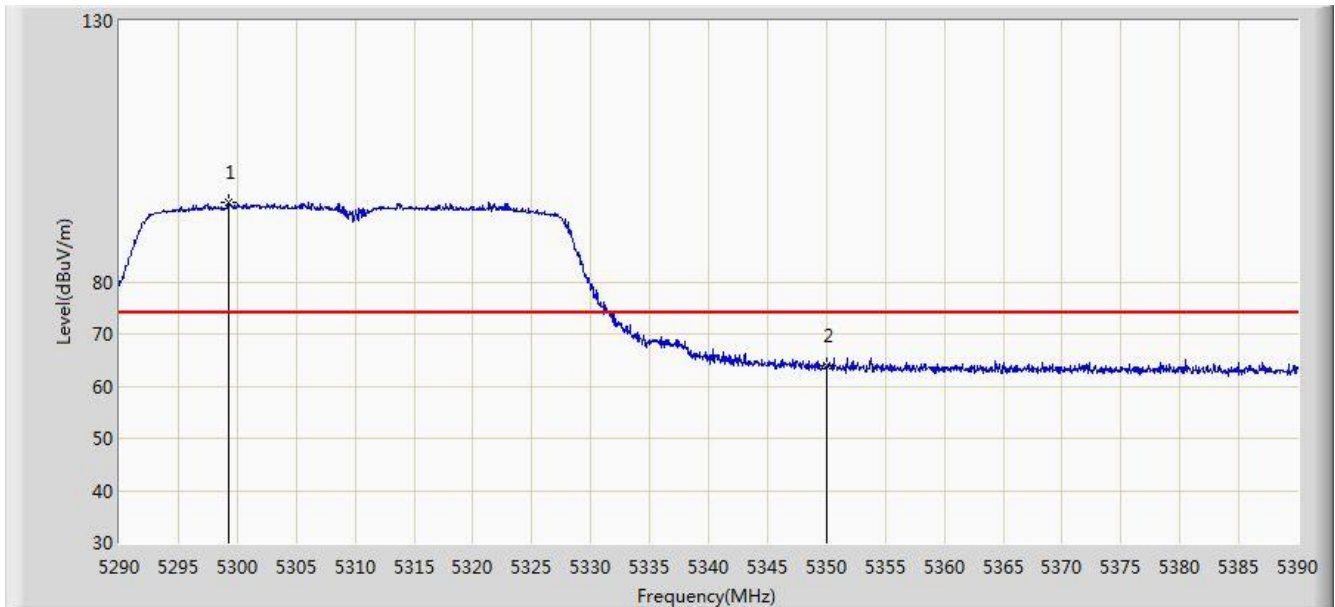


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.380	15.928	-0.620	54.000	37.452	AV
2		*	5185.900	91.030	53.671	N/A	N/A	37.359	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz 2TX	

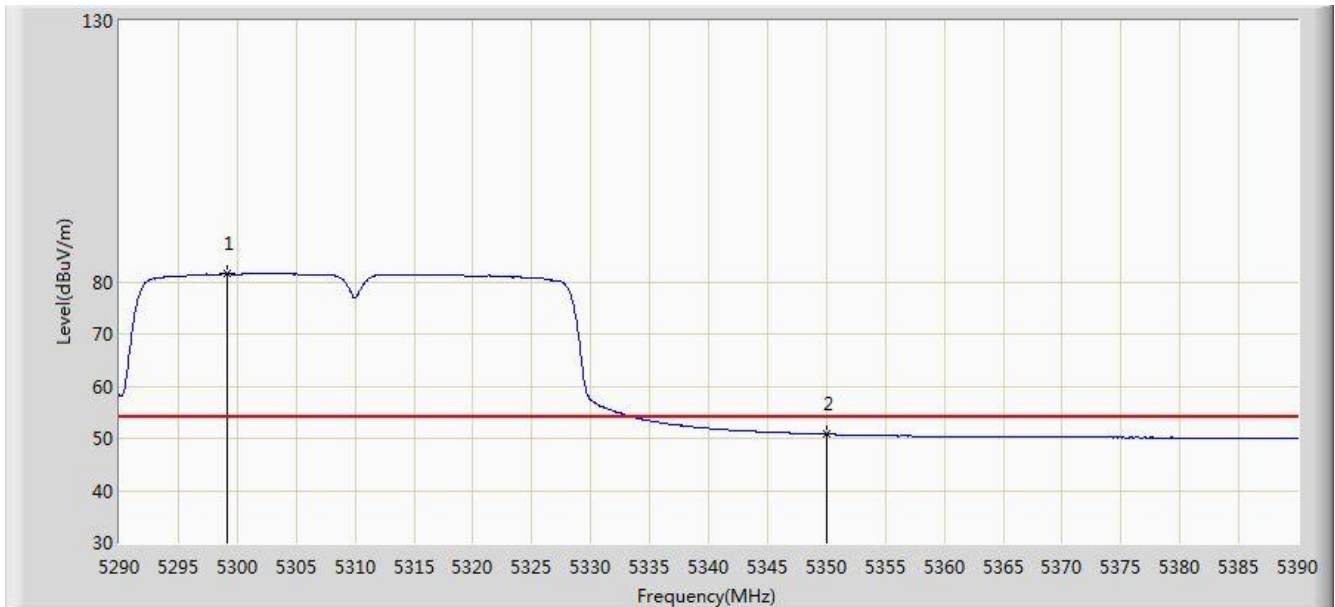


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5299.300	95.183	57.999	N/A	N/A	37.185	PK
2			5350.000	63.935	26.649	-10.065	74.000	37.286	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz 2TX	

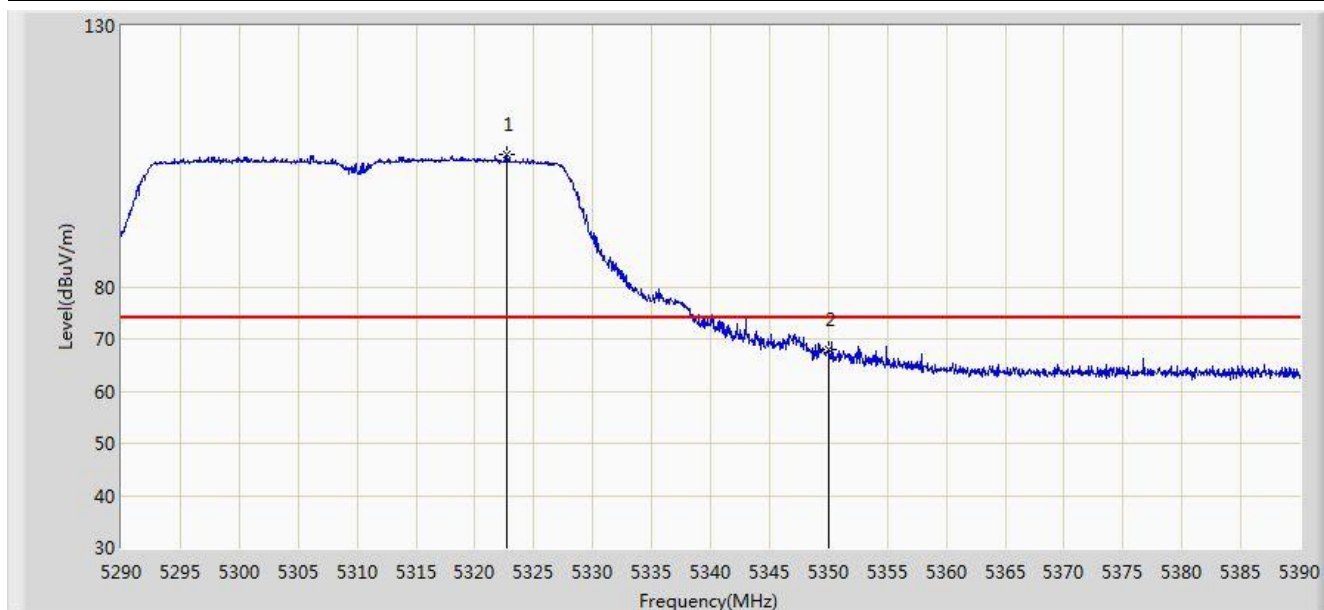


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5299.100	81.506	44.322	N/A	N/A	37.185	AV
2			5350.000	50.774	13.488	-3.226	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz 2TX	

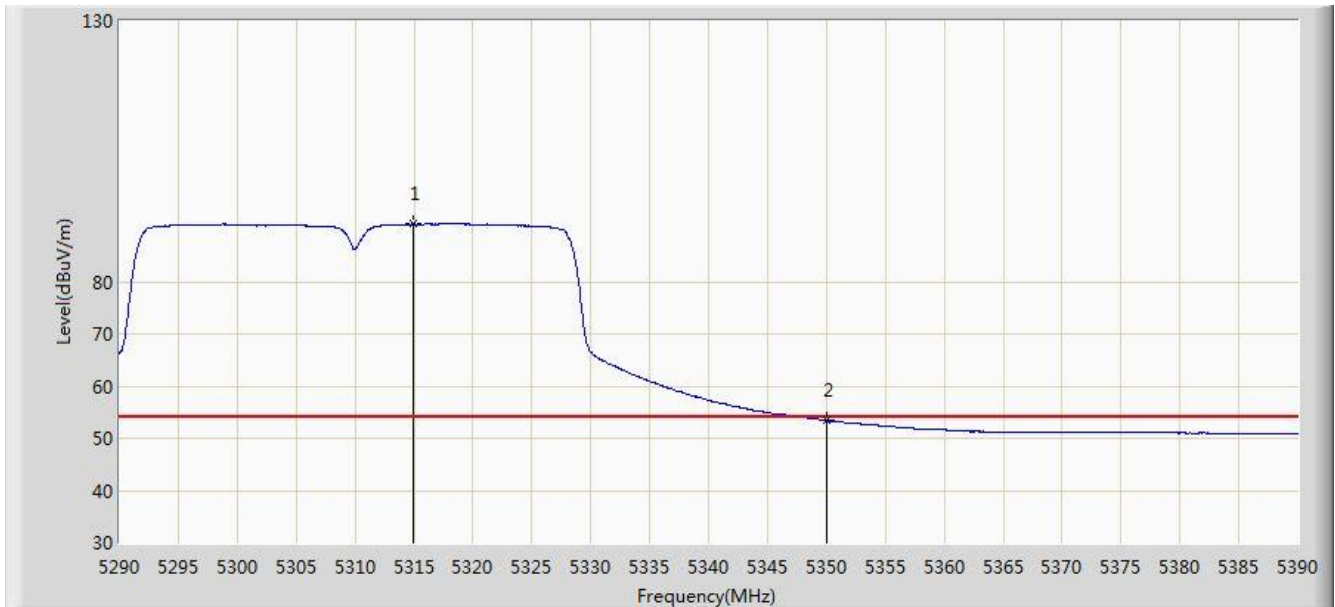


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.750	105.409	68.191	N/A	N/A	37.219	PK
2			5350.000	68.107	30.821	-5.893	74.000	37.286	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz 2TX	

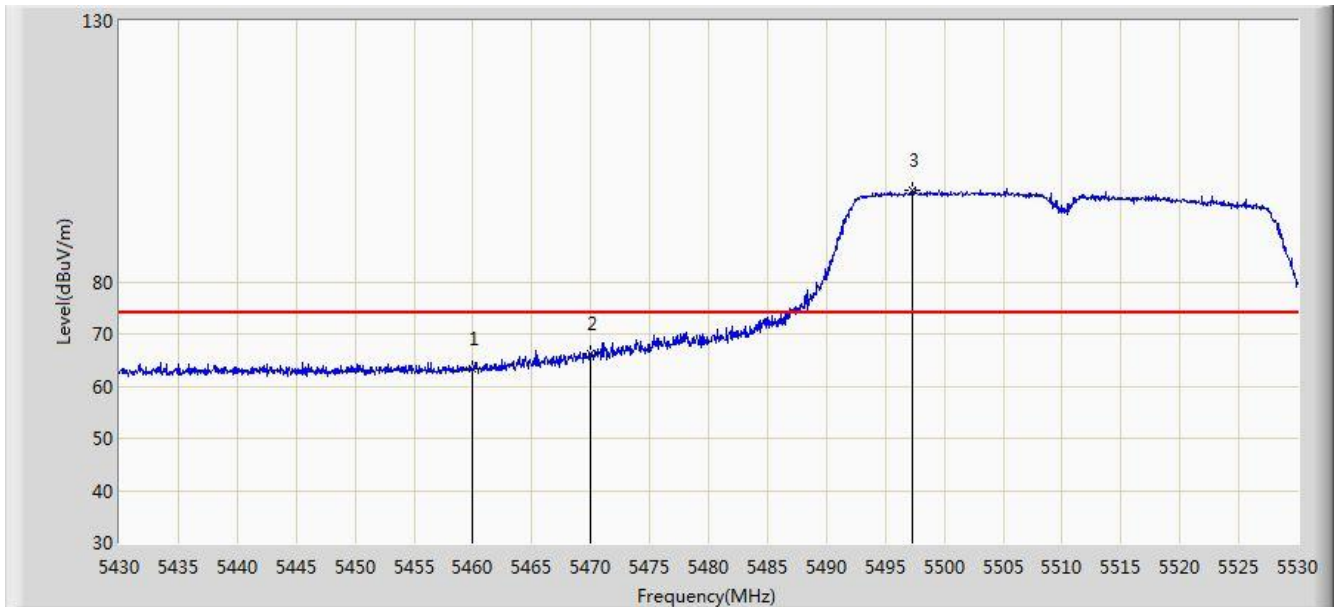


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5314.950	91.026	53.822	N/A	N/A	37.205	AV
2			5350.000	53.390	16.104	-0.610	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz 2TX	

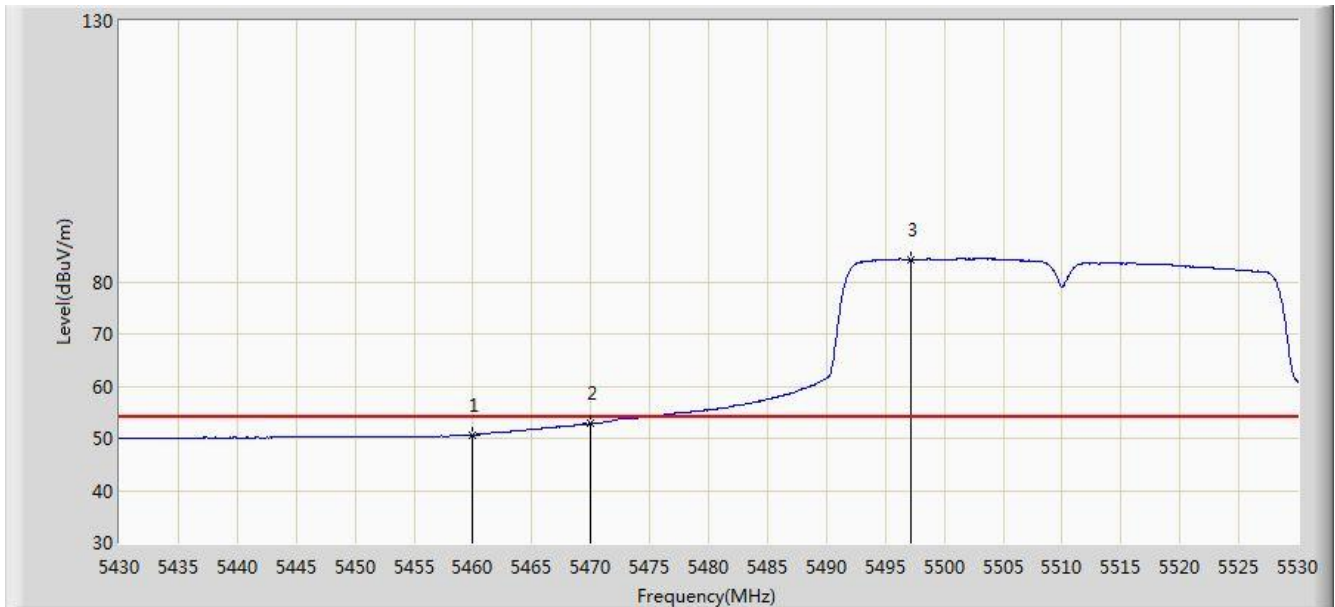


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	63.361	25.798	-10.639	74.000	37.563	PK
2			5470.000	66.350	28.761	-7.650	74.000	37.588	PK
3		*	5497.300	97.624	60.003	N/A	N/A	37.622	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz 2TX	

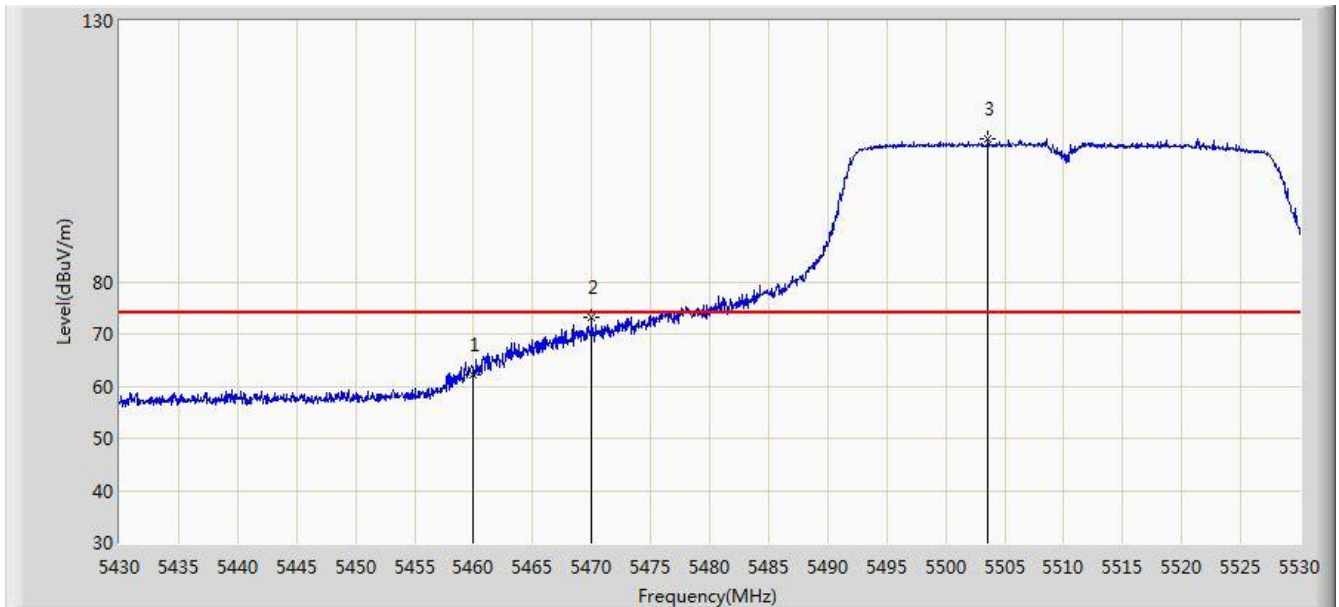


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.643	13.080	-3.357	54.000	37.563	AV
2			5470.000	52.766	15.177	-1.234	54.000	37.588	AV
3		*	5497.150	84.332	46.711	N/A	N/A	37.622	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz 2TX	

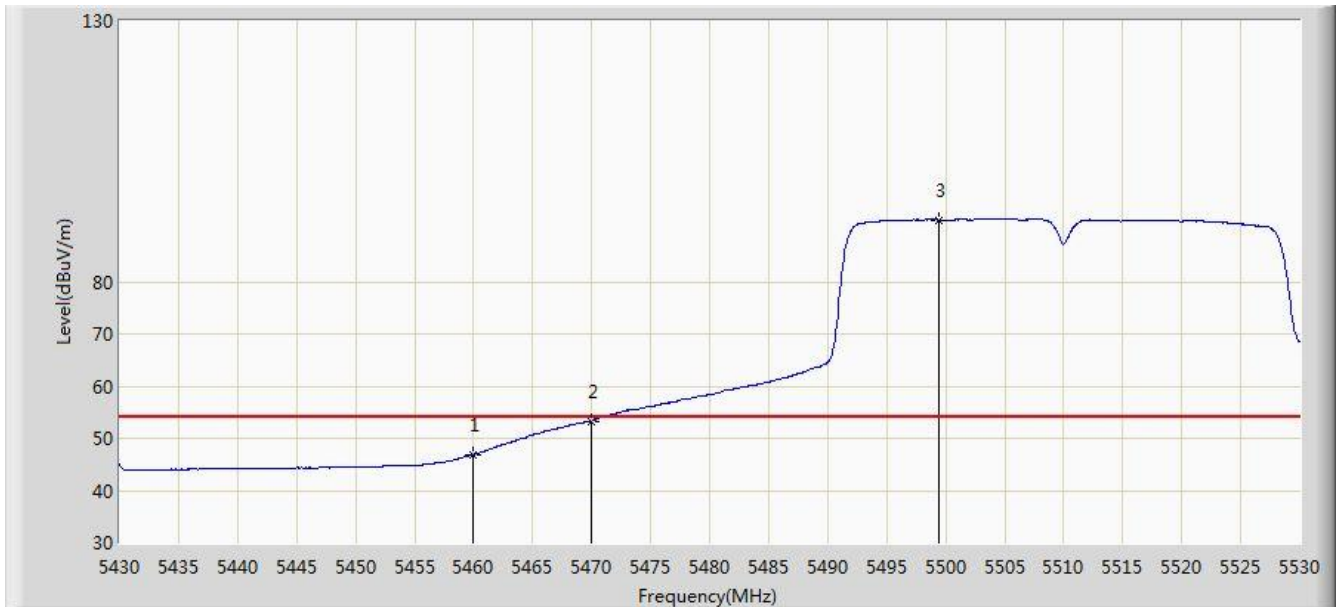


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	62.285	24.722	-11.715	74.000	37.563	PK
2			5470.000	73.124	35.536	-0.876	74.000	37.588	PK
3		*	5503.600	107.372	69.744	N/A	N/A	37.628	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz 2TX	

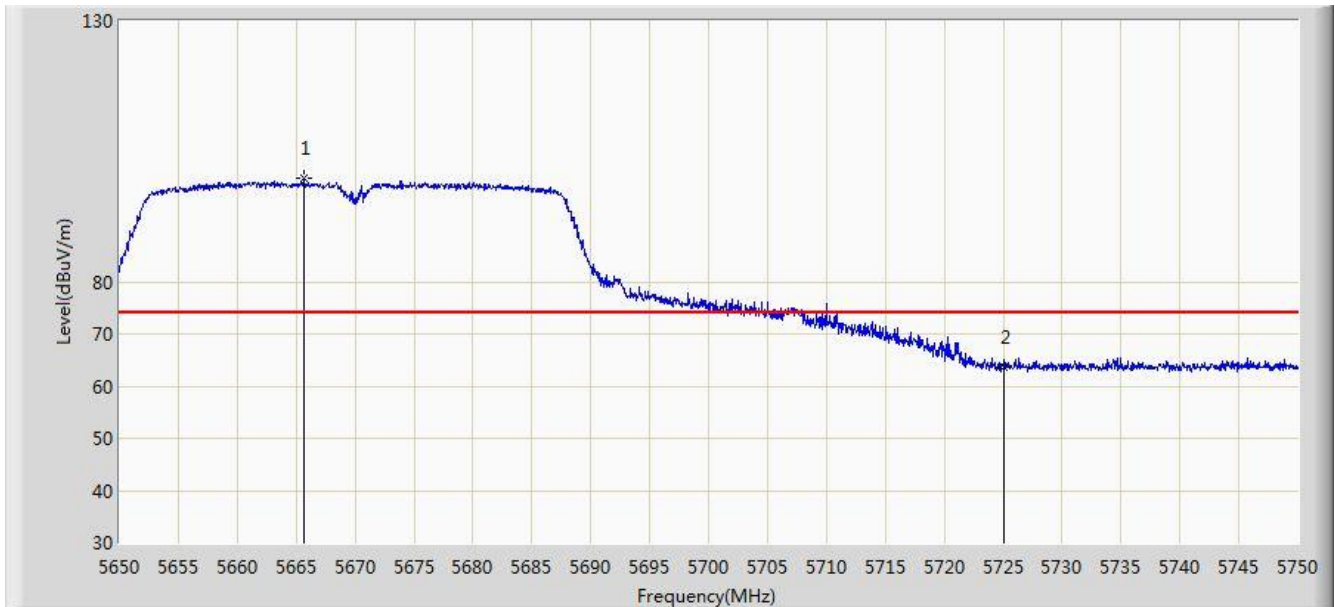


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	46.929	9.366	-7.071	54.000	37.563	AV
2			5470.000	53.299	15.711	-0.701	54.000	37.588	AV
3		*	5499.450	91.870	54.246	N/A	N/A	37.624	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz 2TX	

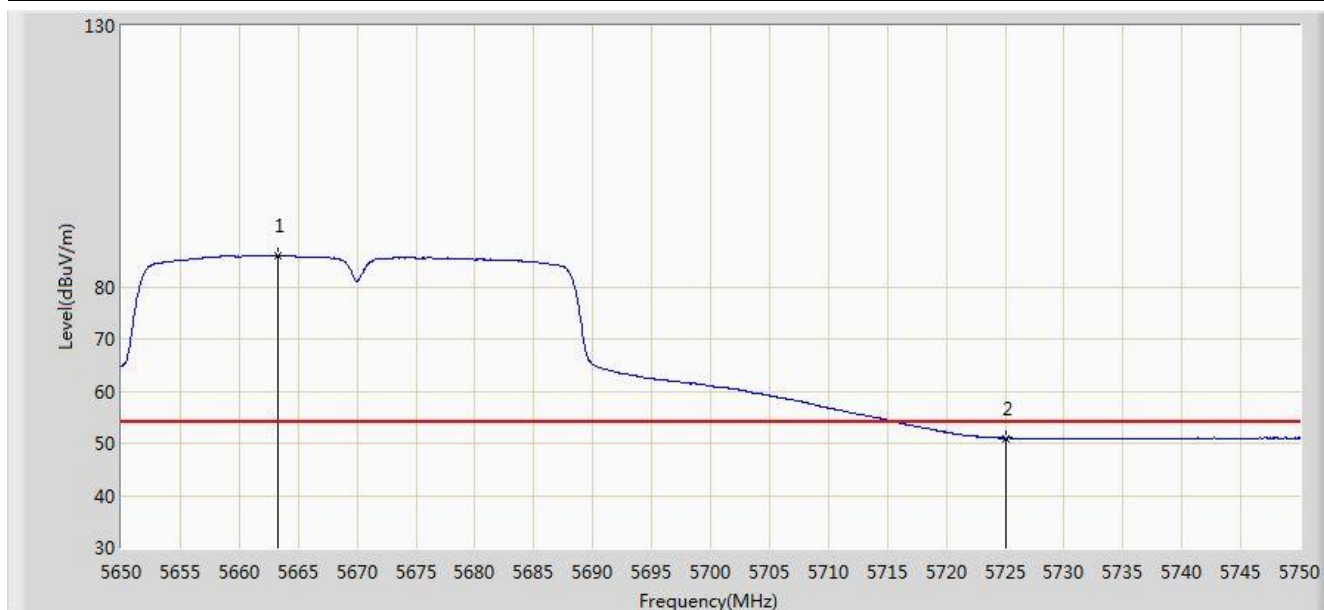


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5665.650	99.715	61.911	N/A	N/A	37.804	PK
2			5725.000	63.727	25.737	-10.273	74.000	37.990	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz 2TX	

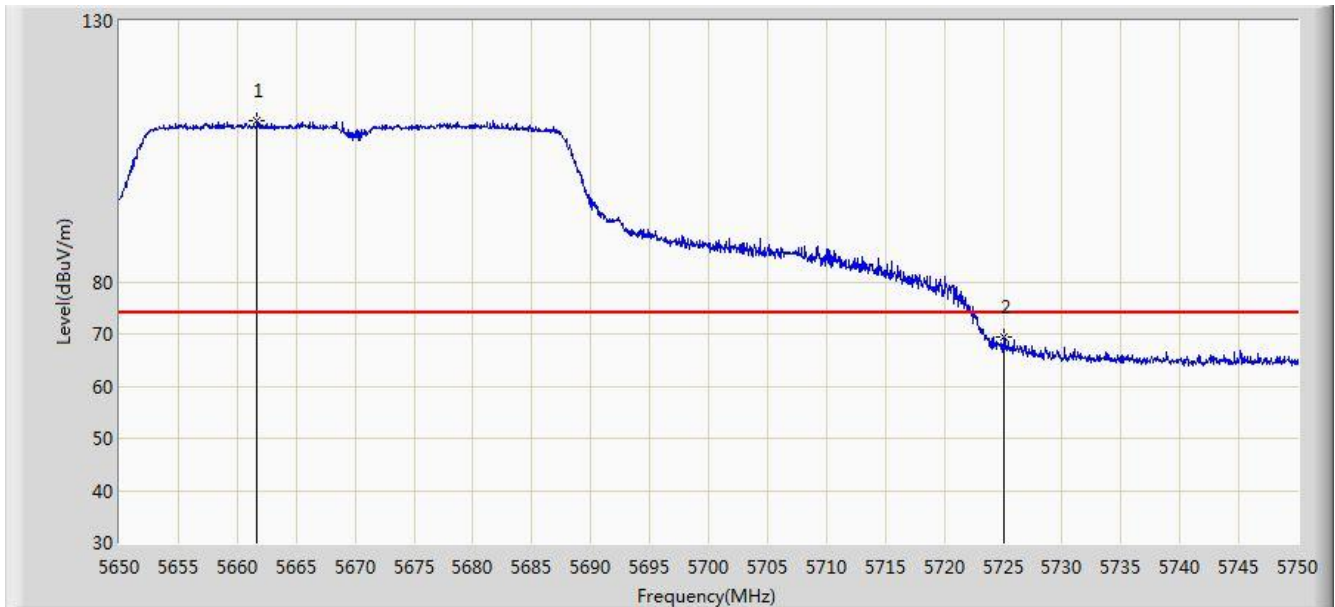


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5663.300	85.909	48.108	N/A	N/A	37.800	AV
2			5725.000	50.996	13.006	-3.004	54.000	37.990	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz 2TX	

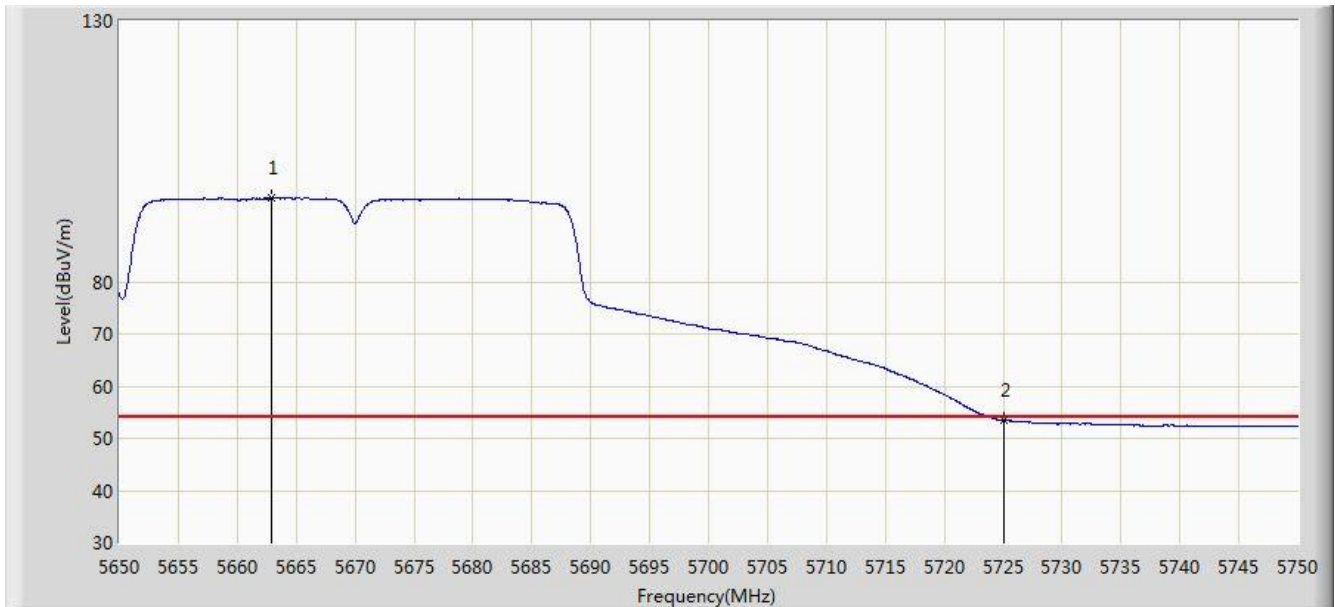


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5661.700	110.751	72.952	N/A	N/A	37.799	PK
2			5725.000	69.375	31.385	-4.625	74.000	37.990	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz 2TX	

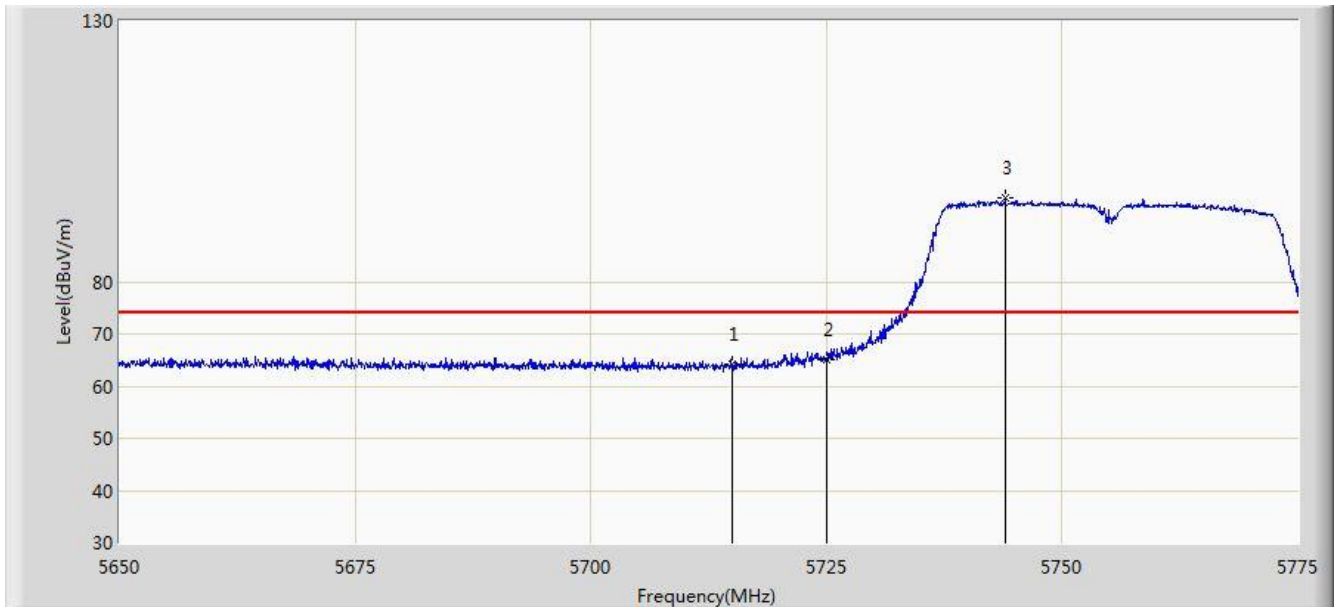


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5662.950	95.995	58.195	N/A	N/A	37.801	AV
2			5725.000	53.397	15.407	-0.603	54.000	37.990	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz 2TX	

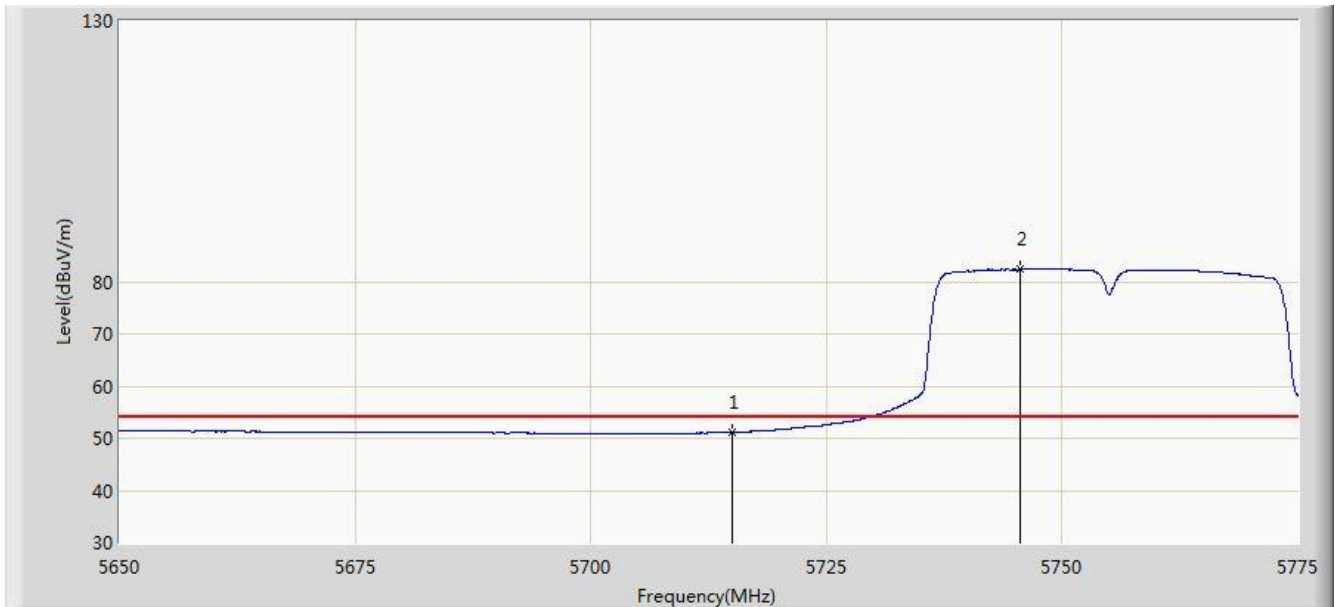


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	64.235	26.286	-9.765	74.000	37.949	PK
2			5725.000	65.098	27.108	-13.102	78.200	37.990	PK
3		*	5744.000	95.978	57.911	N/A	N/A	38.067	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz 2TX	

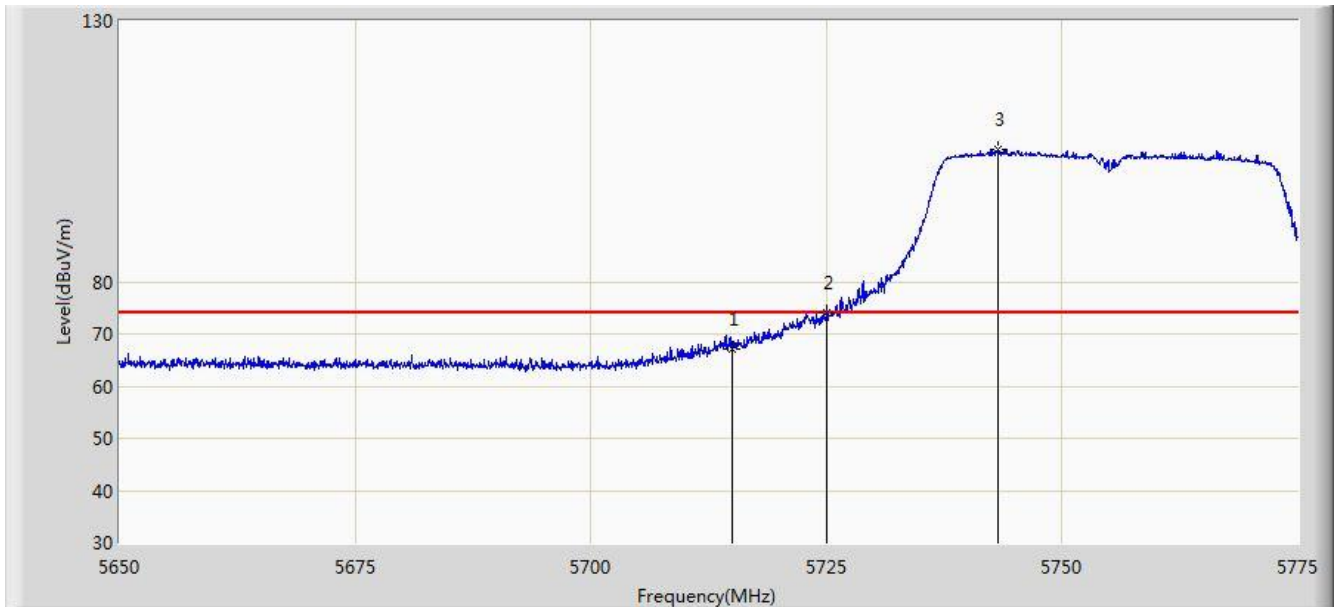


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.150	13.201	-2.850	54.000	37.949	AV
2		*	5745.500	82.357	44.283	N/A	N/A	38.074	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz 2TX	

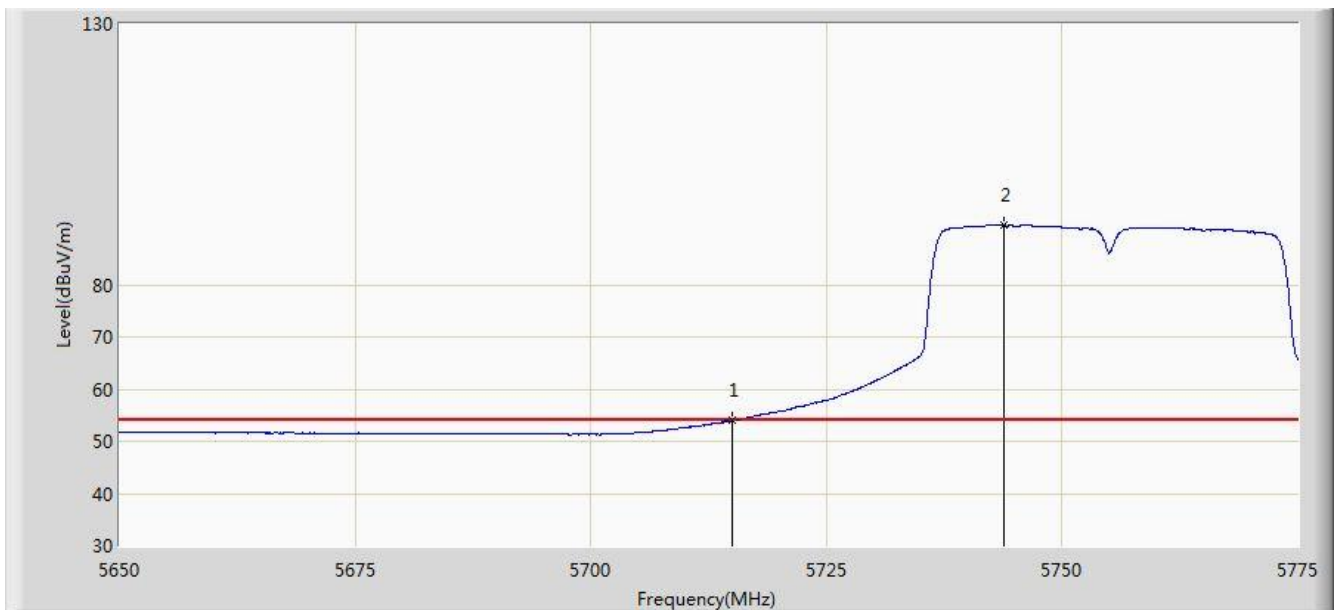


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.149	29.200	-6.851	74.000	37.949	PK
2			5725.000	74.028	36.038	-4.172	78.200	37.990	PK
3		*	5743.187	105.446	67.383	N/A	N/A	38.063	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz 2TX	

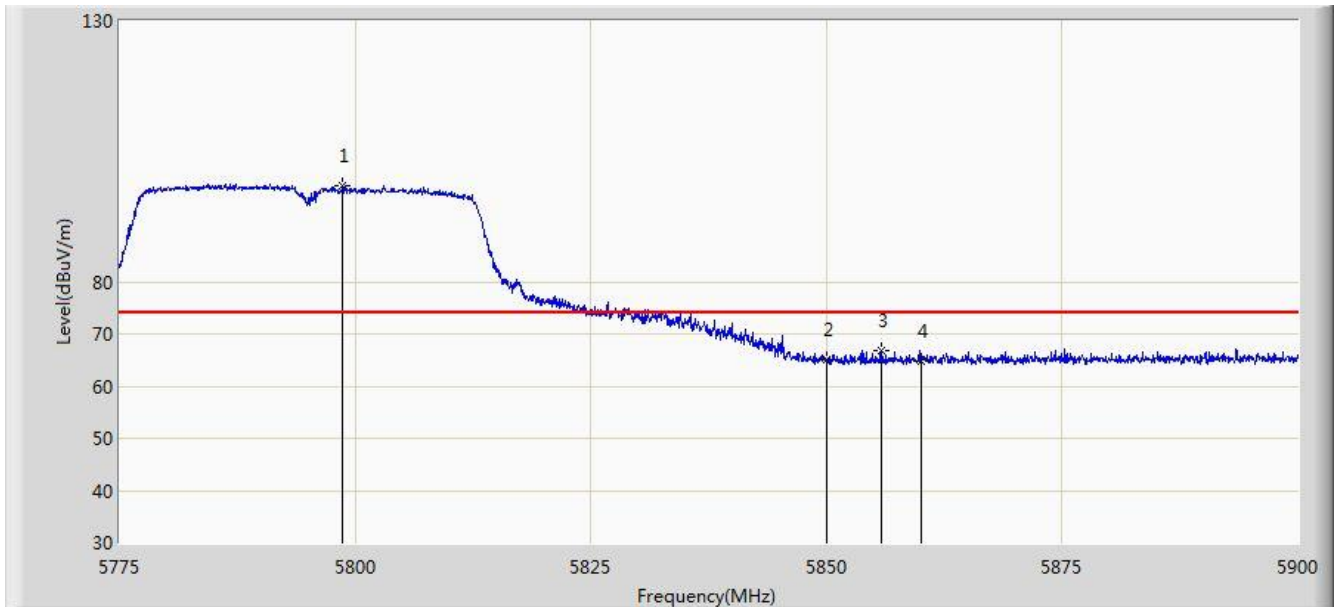


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	53.916	15.967	-0.084	54.000	37.949	AV
2		*	5743.812	91.451	53.385	N/A	N/A	38.066	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz 2TX	

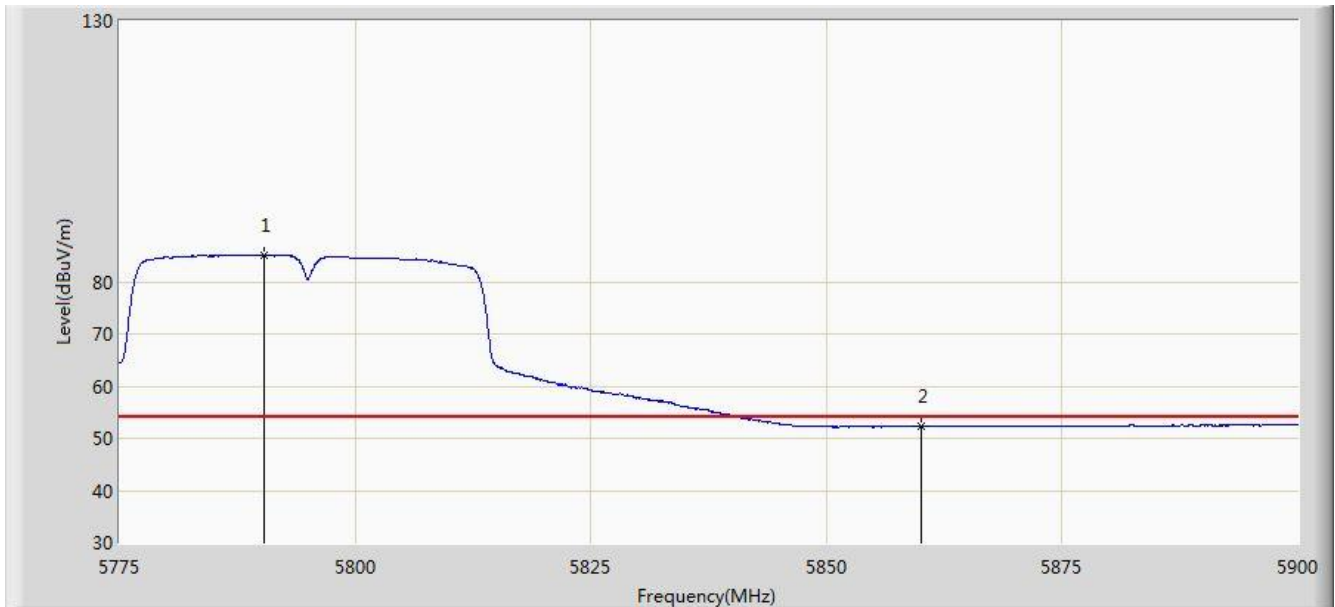


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5798.687	98.525	60.265	N/A	N/A	38.260	PK
2			5850.000	64.938	26.485	-13.262	78.200	38.454	PK
3			5855.750	66.844	28.377	-7.156	74.000	38.468	PK
4			5860.000	64.842	26.364	-9.158	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz 2TX	

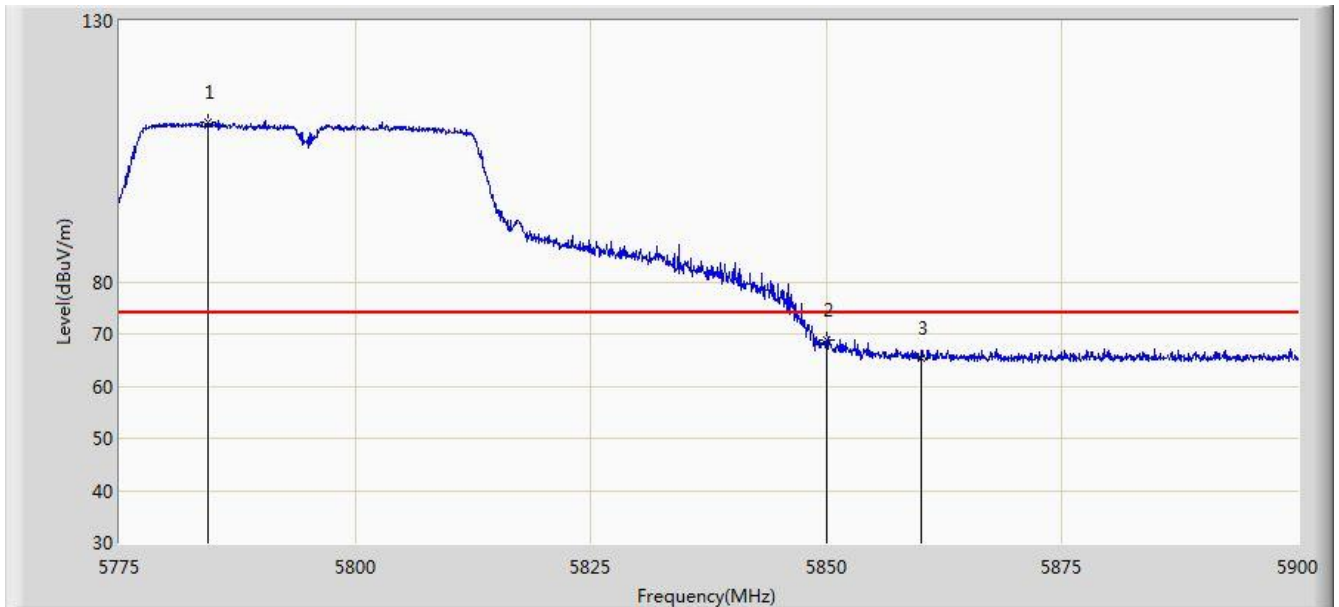


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5790.312	85.175	46.943	N/A	N/A	38.232	AV
2			5860.000	52.267	13.789	-1.733	54.000	38.478	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz 2TX	

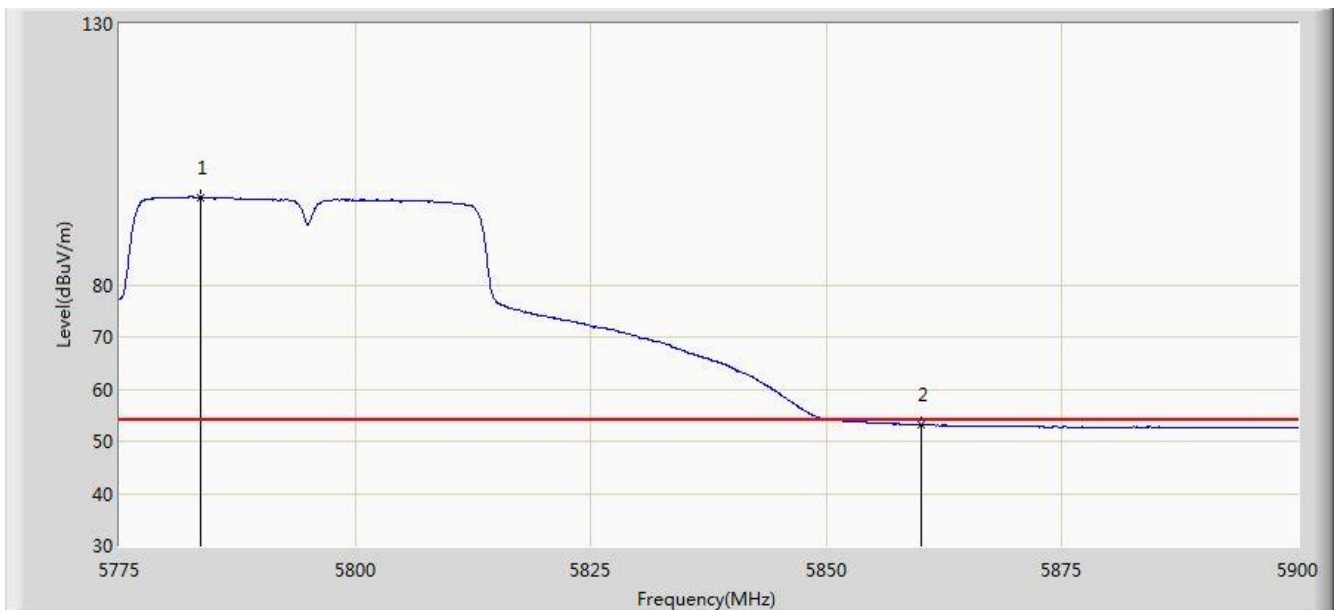


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5784.437	110.675	72.465	N/A	N/A	38.210	PK
2			5850.000	68.851	30.398	-9.349	78.200	38.454	PK
3			5860.000	65.310	26.832	-8.690	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 17:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz 2TX	

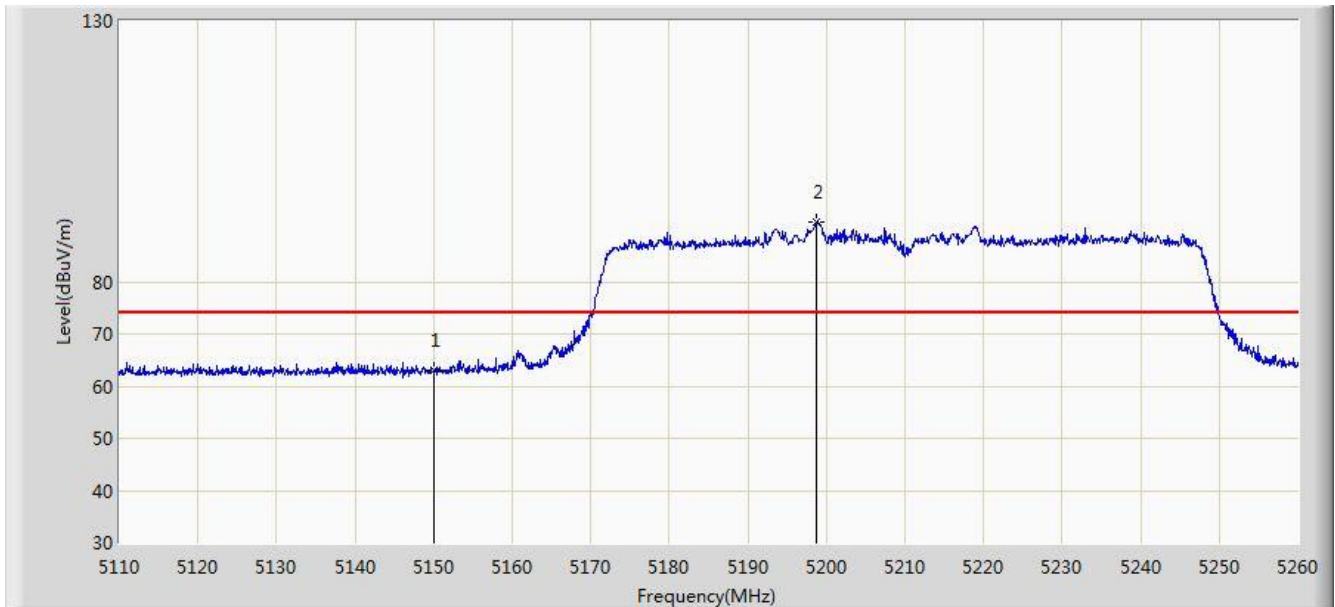


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5783.687	96.784	58.576	N/A	N/A	38.208	AV
2			5860.000	53.122	14.644	-0.878	54.000	38.478	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 18:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz 2TX	

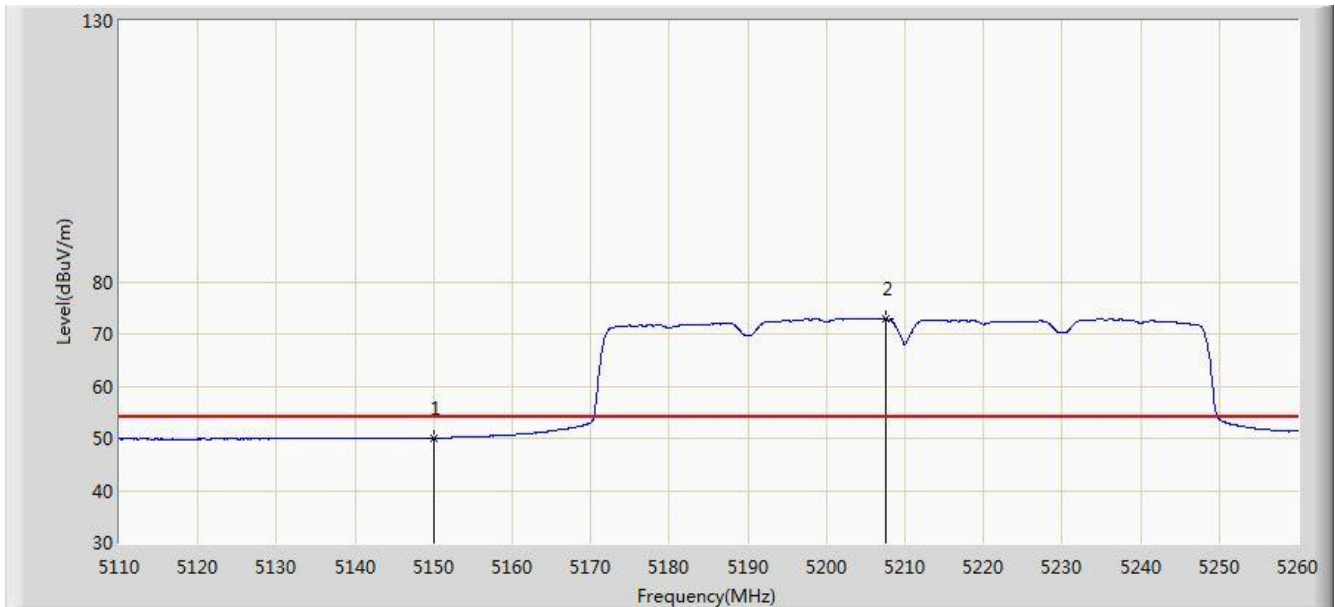


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	62.933	25.481	-11.067	74.000	37.452	PK
2		*	5198.800	91.401	54.073	N/A	N/A	37.328	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 18:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz 2TX	

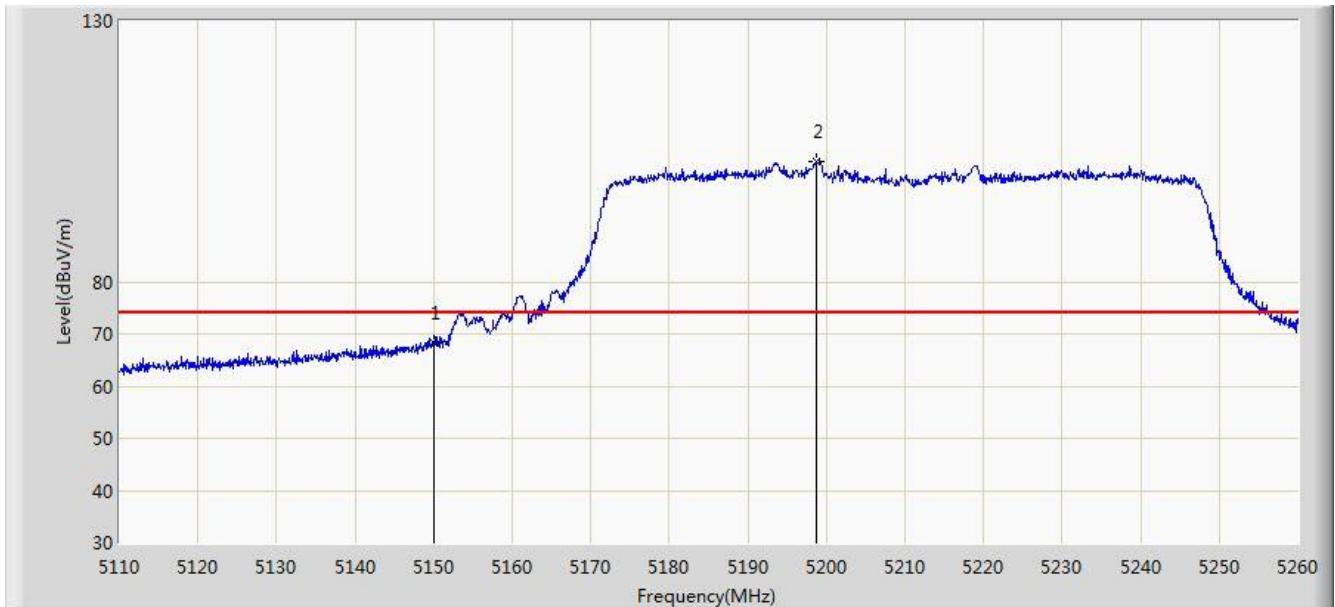


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.054	12.602	-3.946	54.000	37.452	AV
2		*	5207.650	72.829	35.531	N/A	N/A	37.298	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 18:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz 2TX	

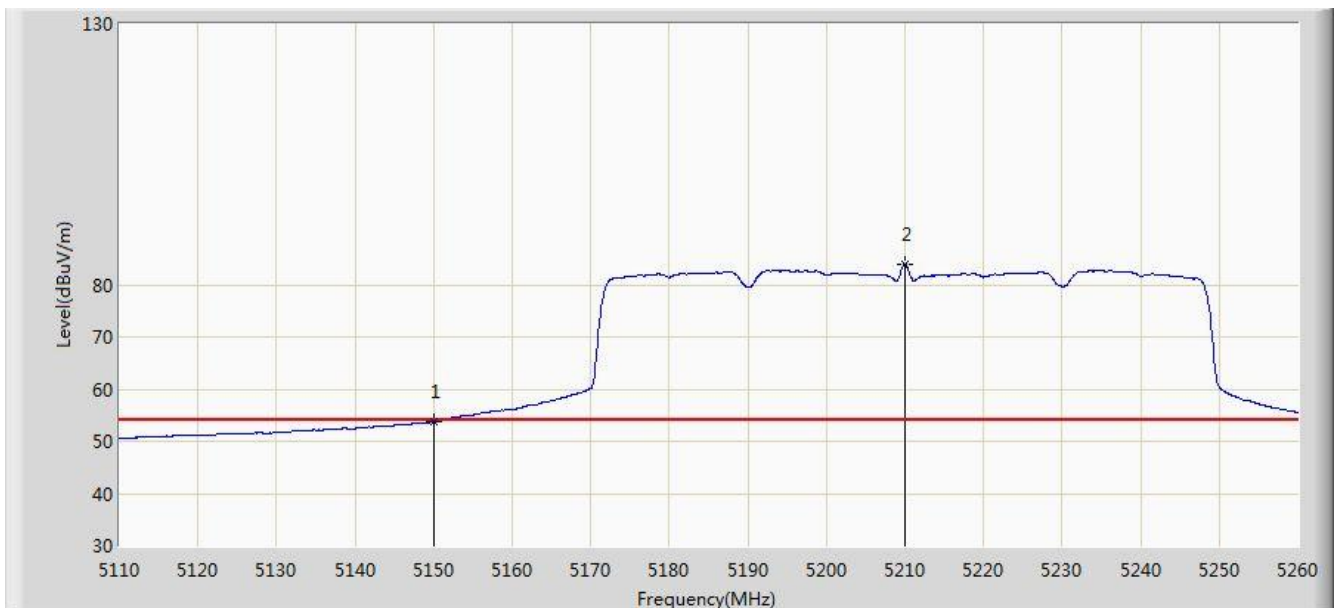


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	68.280	30.828	-5.720	74.000	37.452	PK
2		*	5198.800	103.137	65.809	N/A	N/A	37.328	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 18:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz 2TX	

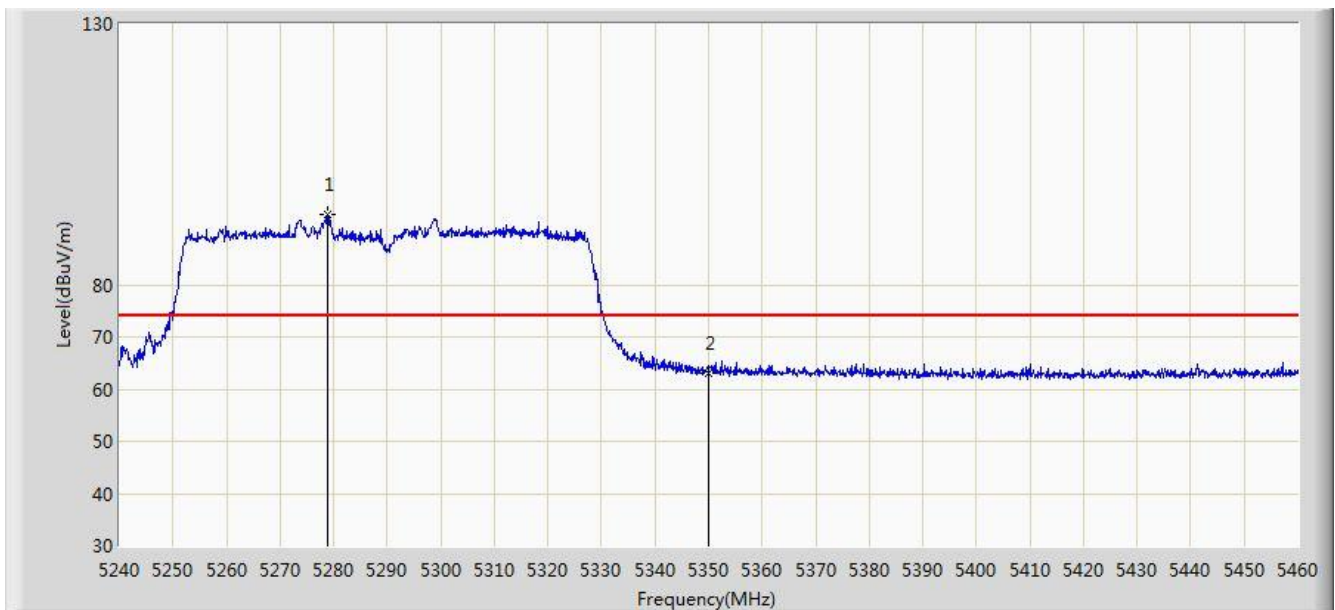


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.787	16.335	-0.213	54.000	37.452	AV
2		*	5209.975	83.928	46.638	N/A	N/A	37.290	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 18:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz 2TX	

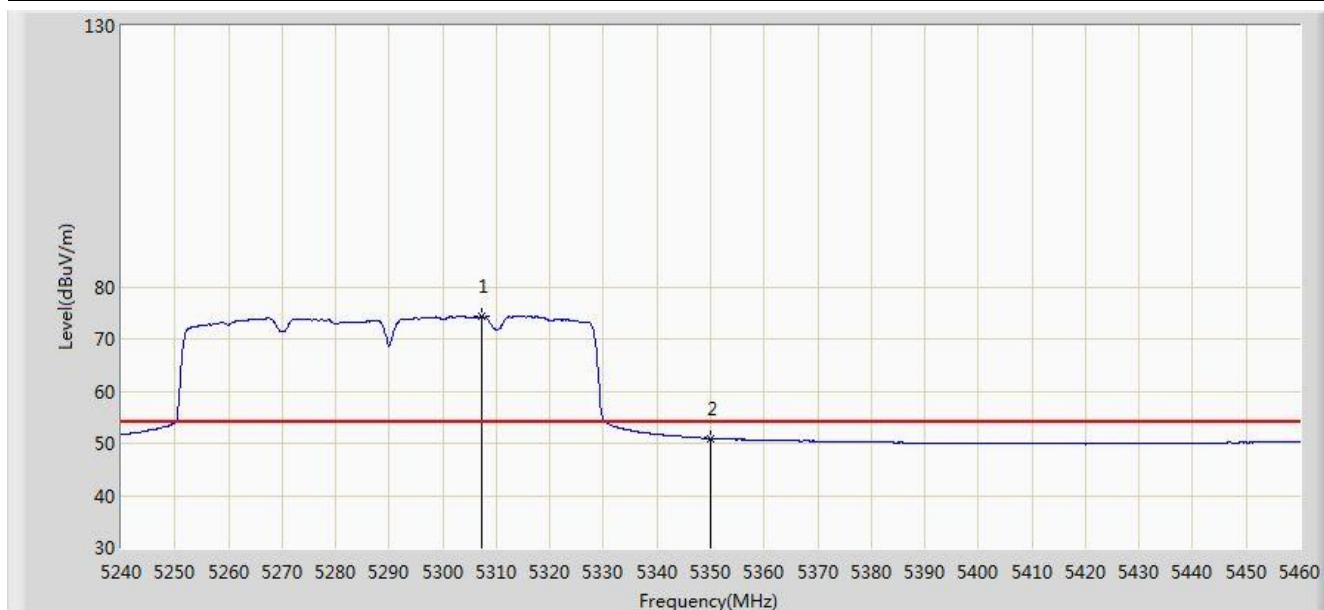


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5278.940	93.379	56.195	N/A	N/A	37.184	PK
2			5350.000	63.020	25.734	-10.980	74.000	37.286	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 19:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz 2TX	

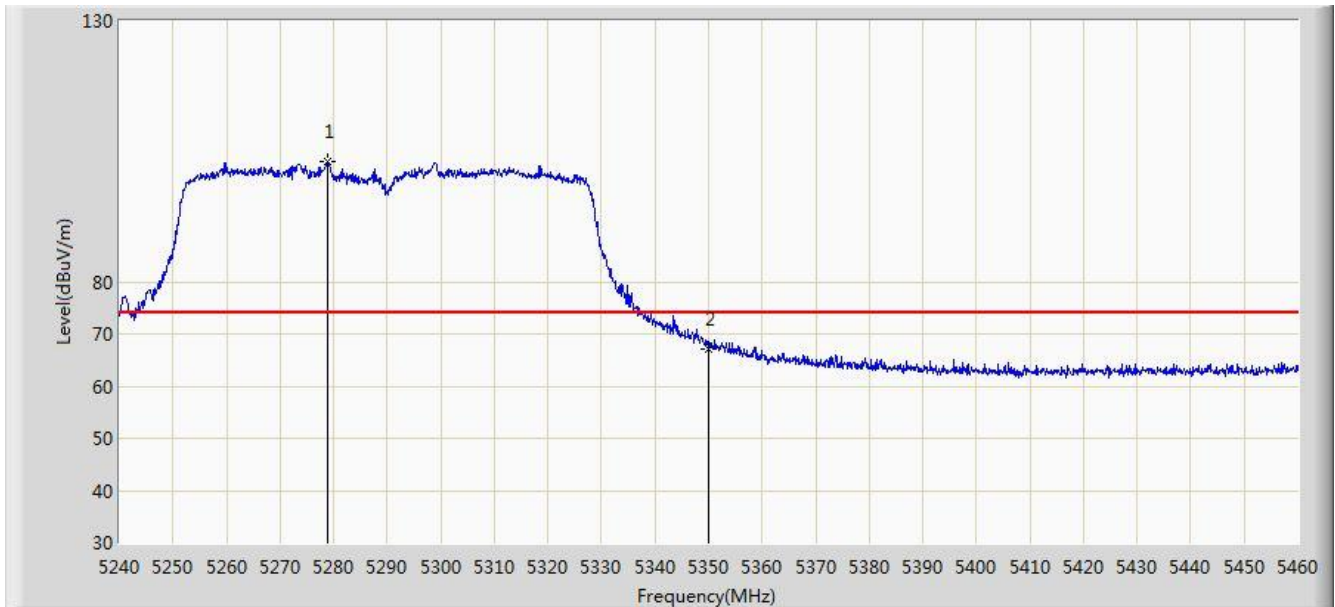


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5307.320	74.278	37.083	N/A	N/A	37.194	AV
2			5350.000	50.966	13.680	-3.034	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 18:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz 2TX	

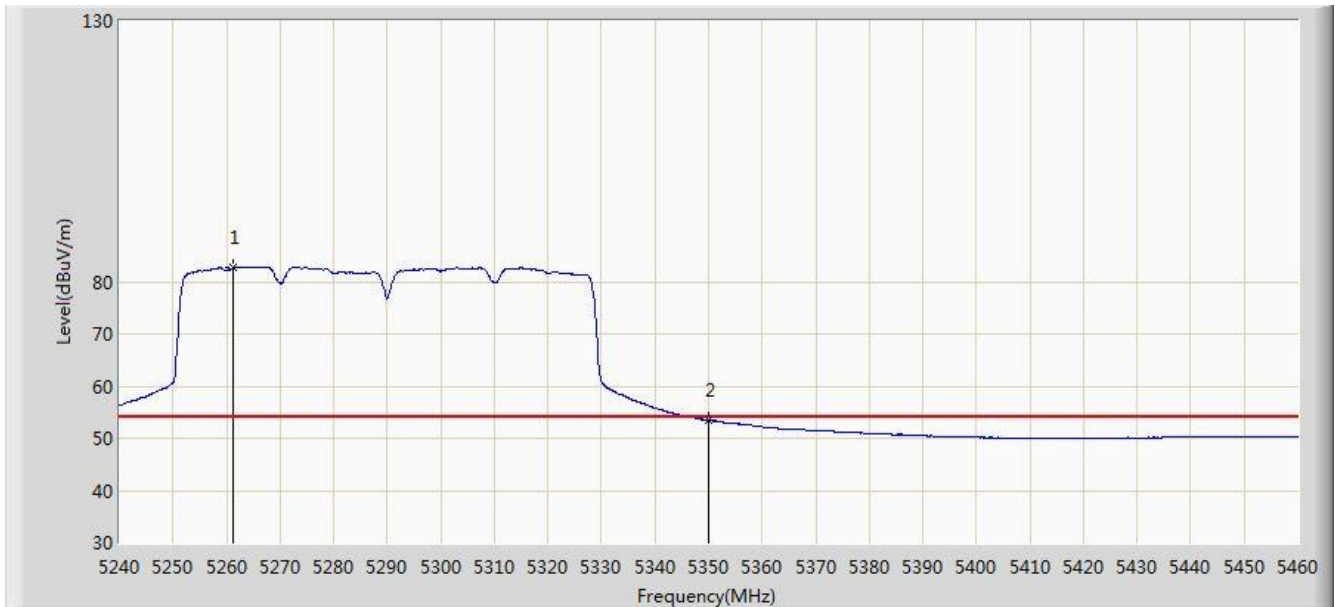


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5278.940	102.901	65.717	N/A	N/A	37.184	PK
2			5350.000	67.060	29.774	-6.940	74.000	37.286	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 18:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz 2TX	

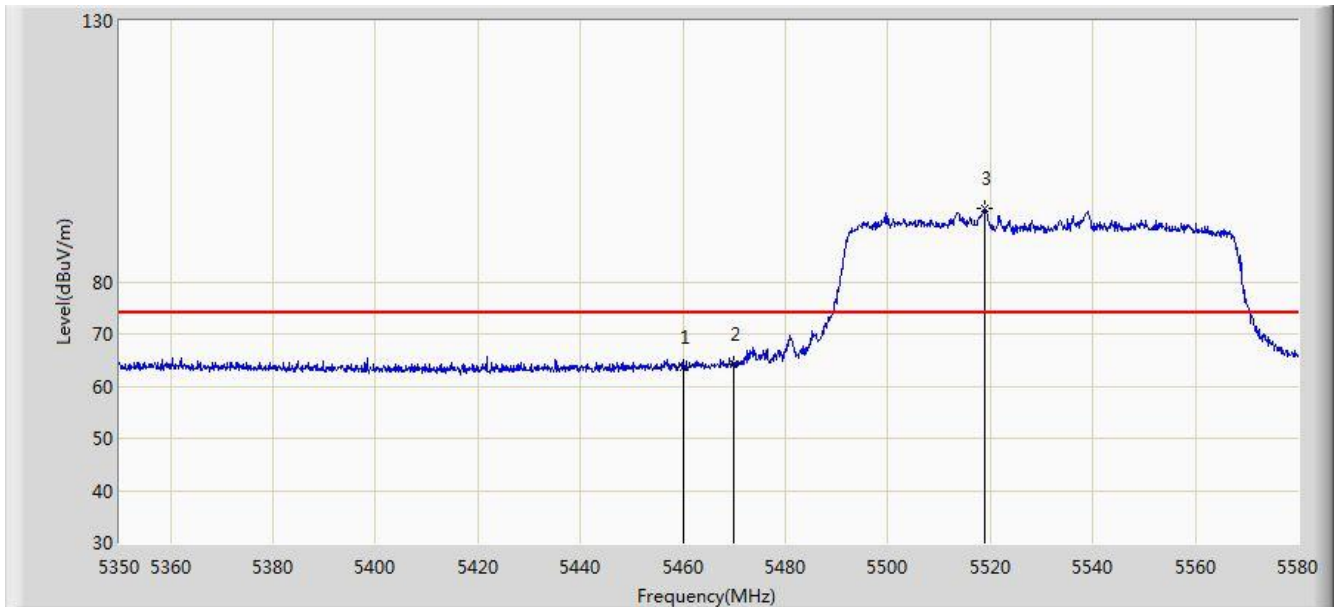


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5261.120	82.663	45.475	N/A	N/A	37.188	AV
2			5350.000	53.417	16.131	-0.583	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 19:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz 2TX	

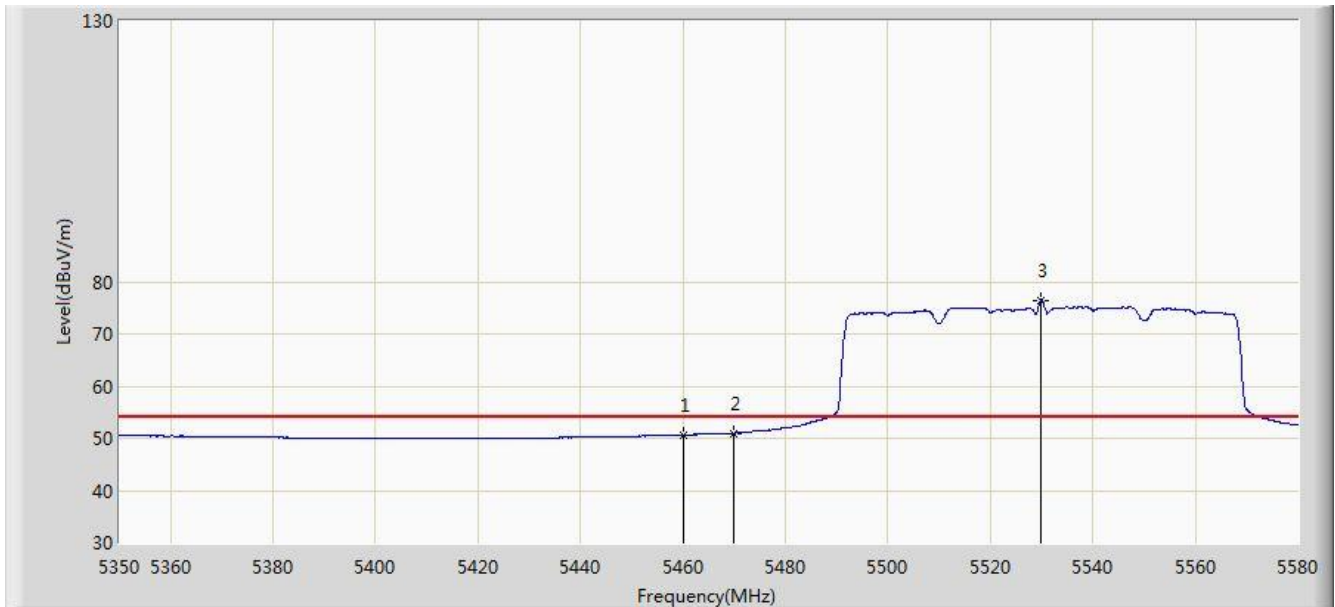


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	63.734	26.171	-10.266	74.000	37.563	PK
2			5470.000	64.205	26.616	-9.795	74.000	37.588	PK
3		*	5518.935	94.007	56.361	N/A	N/A	37.646	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 19:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz 2TX	

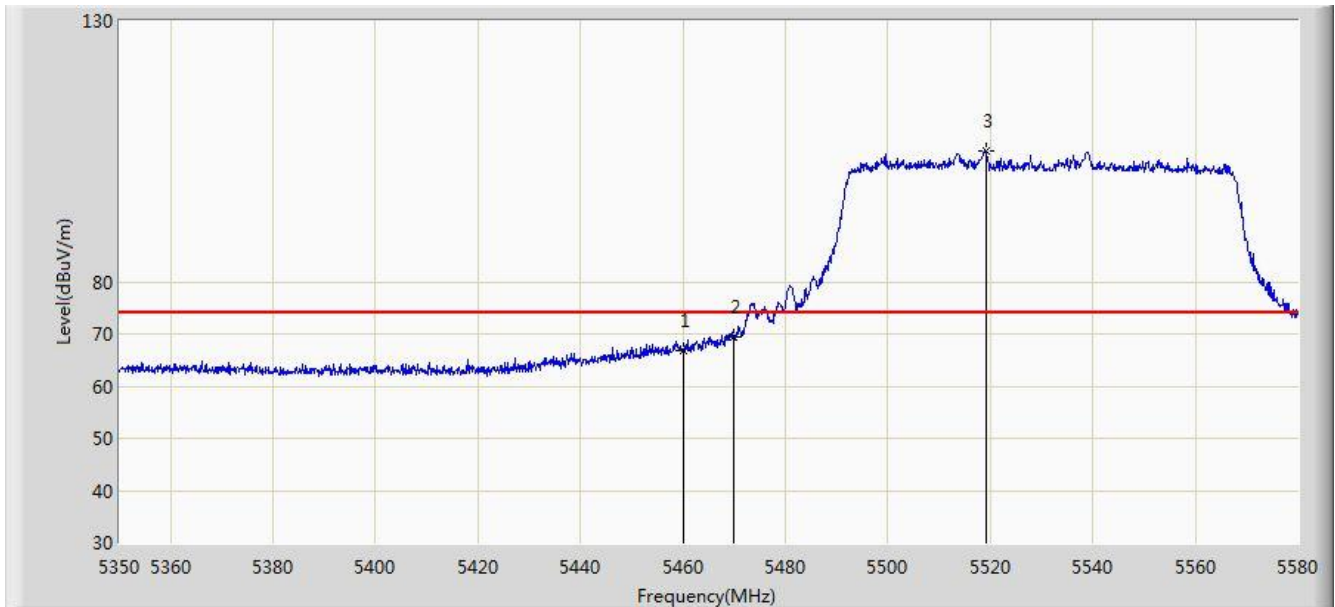


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.619	13.056	-3.381	54.000	37.563	AV
2			5470.000	50.997	13.408	-3.003	54.000	37.588	AV
3		*	5529.860	76.474	38.809	N/A	N/A	37.665	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 19:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz 2TX	

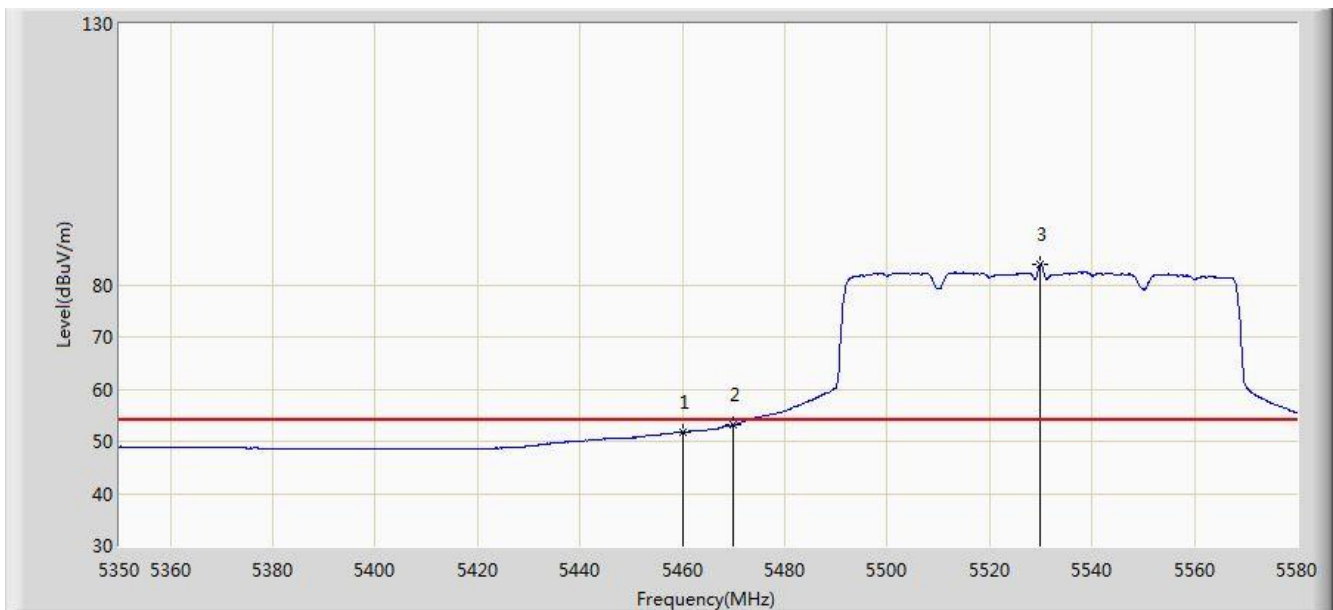


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	66.790	29.227	-7.210	74.000	37.563	PK
2			5470.000	69.526	31.937	-4.474	74.000	37.588	PK
3		*	5519.050	104.938	67.292	N/A	N/A	37.646	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 19:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz 2TX	

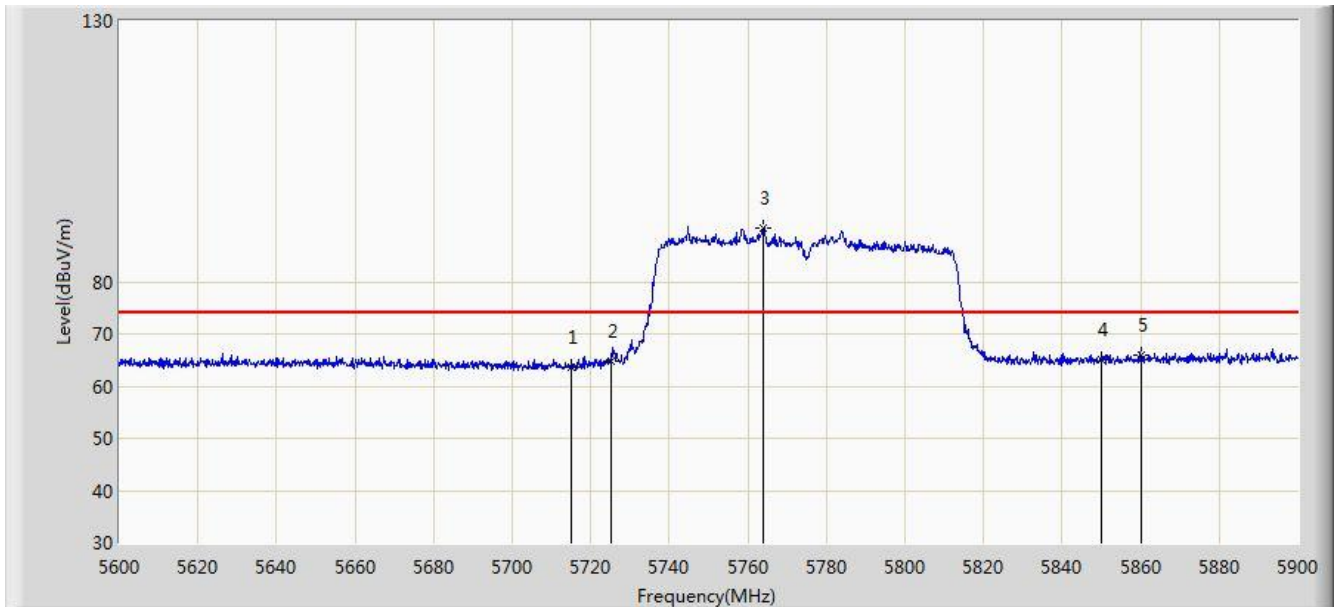


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	51.680	14.117	-2.320	54.000	37.563	AV
2			5470.000	53.091	15.503	-0.909	54.000	37.588	AV
3		*	5529.860	83.811	46.146	N/A	N/A	37.665	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 19:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz 2TX	

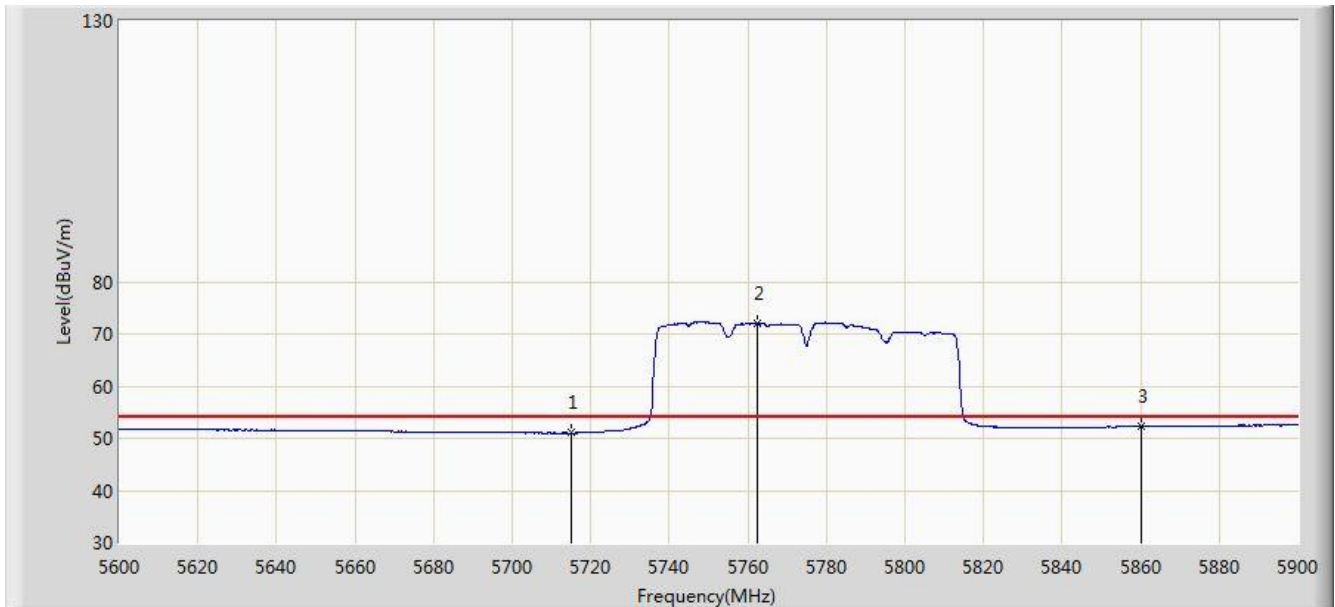


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	63.497	25.548	-10.503	74.000	37.949	PK
2			5725.000	64.711	26.721	-13.489	78.200	37.990	PK
3		*	5763.800	90.288	52.138	N/A	N/A	38.151	PK
4			5850.000	64.990	26.537	-13.210	78.200	38.454	PK
5			5860.000	65.894	27.416	-8.106	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 19:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz 2TX	

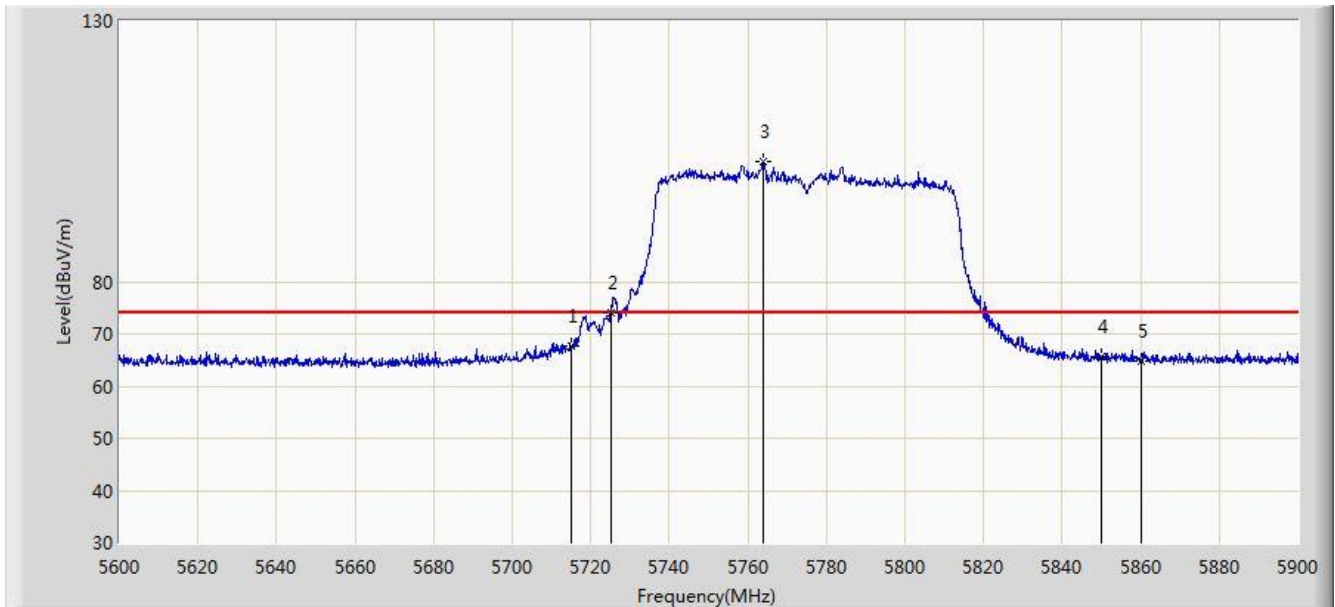


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.018	13.069	-2.982	54.000	37.949	AV
2		*	5762.450	72.096	33.949	N/A	N/A	38.147	AV
3			5860.000	52.215	13.737	-1.785	54.000	38.478	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 19:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz 2TX	

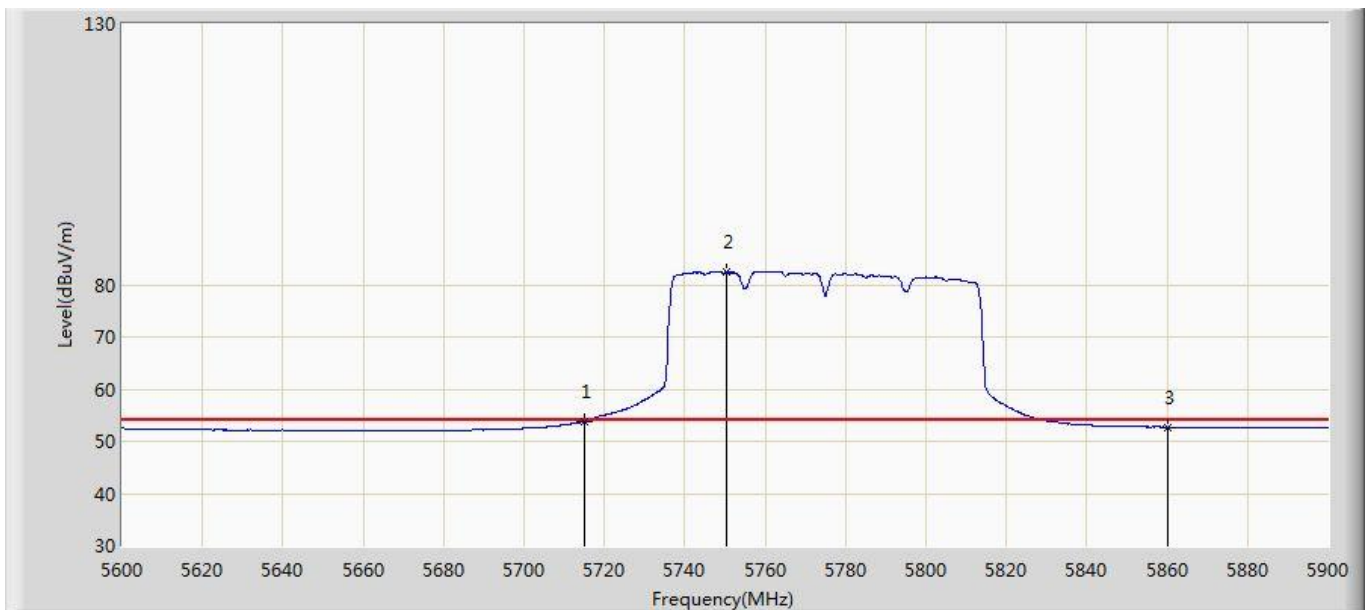


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.713	29.764	-6.287	74.000	37.949	PK
2			5725.000	73.990	36.000	-4.210	78.200	37.990	PK
3		*	5763.800	102.964	64.814	N/A	N/A	38.151	PK
4			5850.000	65.651	27.198	-12.549	78.200	38.454	PK
5			5860.000	64.756	26.278	-9.244	74.000	38.478	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/05/11 - 19:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz 2TX	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	53.761	15.812	-0.239	54.000	37.949	AV
2		*	5750.300	82.332	44.235	N/A	N/A	38.097	AV
3			5860.000	52.698	14.220	-1.302	54.000	38.478	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

7.10. AC Conducted Emissions Measurement

7.10.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207		
Frequency (MHz)	QP (dBμV)	AV (dBμV)
0.15 - 0.50	66 - 56	56 – 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

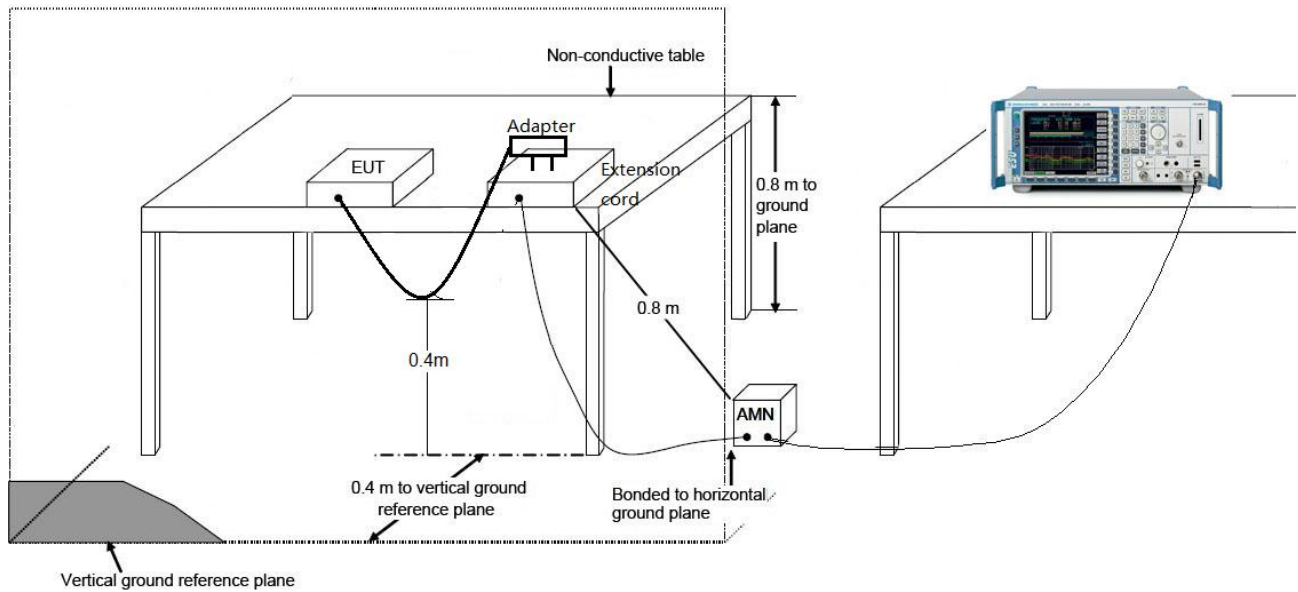
7.10.2. Test Procedure

The EUT was setup according to ANSI C63.4, 2009 and tested according to KDB 789033 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs) Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

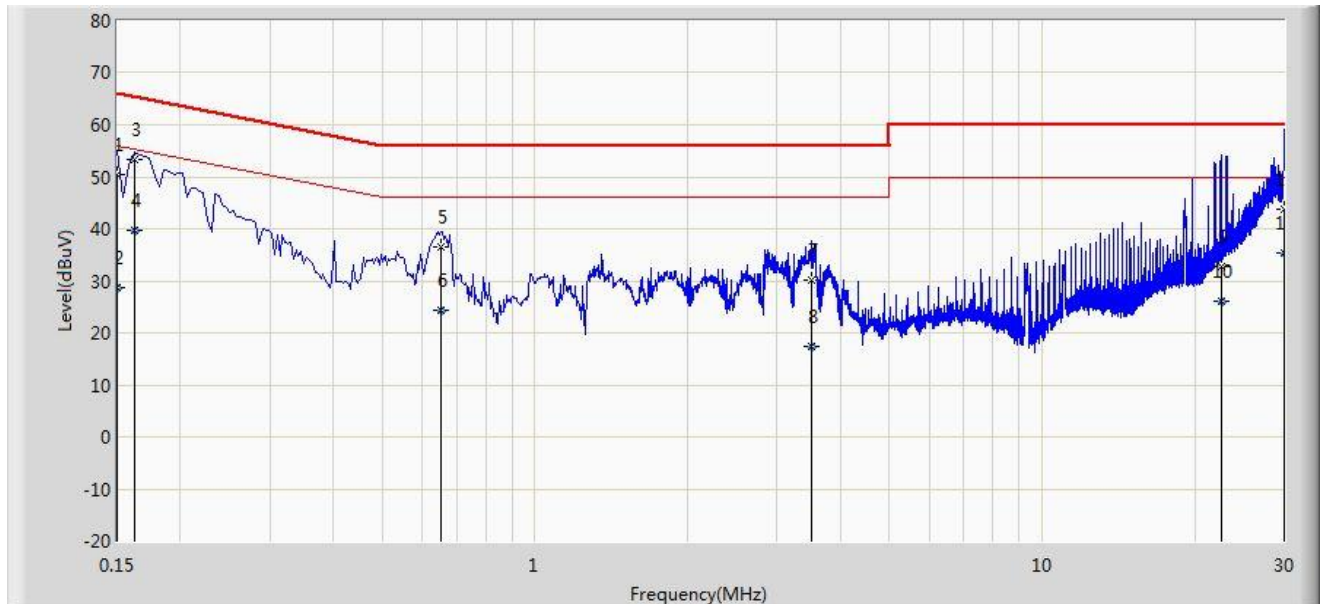
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

7.10.3. Test Setup



7.10.4. Test Result

Site: SR2	Time: 2015/05/14 - 15:32
Limit: FCC_Part15.207_CE_AC Power	Engineer: Milo Li
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode 1	

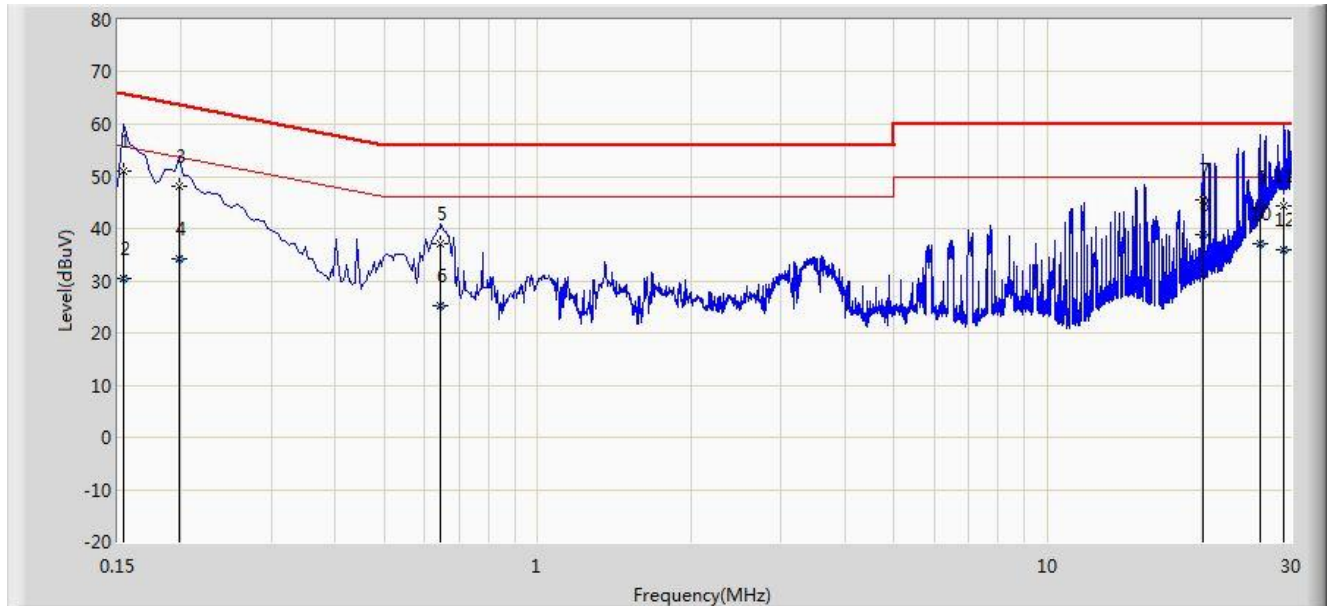


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	50.345	39.177	-15.655	66.000	11.168	QP
2			0.150	28.792	17.624	-27.208	56.000	11.168	AV
3		*	0.162	53.440	43.343	-11.921	65.361	10.097	QP
4			0.162	39.821	29.724	-15.540	55.361	10.097	AV
5			0.654	36.382	26.295	-19.618	56.000	10.087	QP
6			0.654	24.346	14.259	-21.654	46.000	10.087	AV
7			3.498	30.251	20.343	-25.749	56.000	9.908	QP
8			3.498	17.453	7.545	-28.547	46.000	9.908	AV
9			22.566	32.642	22.468	-27.358	60.000	10.174	QP
10			22.566	25.943	15.769	-24.057	50.000	10.174	AV
11			29.938	43.913	33.643	-16.087	60.000	10.270	QP
12			29.938	35.492	25.222	-14.508	50.000	10.270	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Site: SR2	Time: 2015/05/14 - 15:37
Limit: FCC_Part15.207_CE_AC Power	Engineer: Milo Li
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: 802.11ac Dual Band Module	Power: AC 120V/60Hz
Note: Mode 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor	Type
1			0.154	51.050	40.334	-14.731	65.781	10.716	QP
2			0.154	30.367	19.651	-25.414	55.781	10.716	AV
3			0.198	48.175	38.161	-15.519	63.694	10.015	QP
4			0.198	34.247	24.233	-19.447	53.694	10.015	AV
5			0.646	37.085	26.980	-18.915	56.000	10.105	QP
6			0.646	25.166	15.060	-20.834	46.000	10.105	AV
7			20.186	45.447	35.275	-14.553	60.000	10.172	QP
8		*	20.186	38.936	28.764	-11.064	50.000	10.172	AV
9			26.074	44.088	33.751	-15.912	60.000	10.337	QP
10			26.074	37.131	26.794	-12.869	50.000	10.337	AV
11			28.982	44.284	33.851	-15.716	60.000	10.433	QP
12			28.982	36.037	25.604	-13.963	50.000	10.433	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **802.11ac Dual Band Module**
FCC ID: TK4WLE600VX is in compliance with Part 15E of the FCC Rules.

The End