MEASUREMENT REPORT

FCC PART 15.407 / RSS-247 WLAN 802.11a/n/ac

FCC ID:	VPYLBEE5ZZ1PJ
IC:	772C-LBEE5ZZ1PJ
APPLICANT:	Murata Manufacturing Co., Ltd.
Application Type:	CLASS II PERMISSIVE CHANGE
Product:	W-LAN + Bluetooth Module
Model No.:	1PJ
FCC Classification:	Unlicensed National Information Infrastructure (NII)
FCC Rule Part(s):	Part 15 Subpart E (Section 15.407)
IC Rule(s):	RSS-247 Issue 2, RSS-GEN Issue 5
Test Procedure(s):	ANSI C63.10-2013, KDB 789033 D02v02r01
Test Date:	May 05 ~ 23, 2019

Reviewed By: (Kevin Guo)

Approved By: (Robin Wu)

ACCREDITED
TESTING LABORATORY
CERTIFICATE #3628.01

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 D02v02r01. Test results reported herein relate only to the item(s) tested.

Revision History

Report No.	Version	Description	Issue Date	Note
1904WSU022-U4	Rev. 01	Initial report	05-24-2019	Valid

Note: This report is prepared for FCC Class II permissive change supplement to MRT original "1808WSU011-U4" report adding a PIFA antenna and adding related data.

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Description Page

§2.1033 General Information

Applicant:	Murata Manufacturing Co., Ltd.
Applicant Address:	10-1, Higashikotari 1-chome, Nagaokakyo-shi, Kyoto 617-8555, Japan
Manufacturer:	Murata Manufacturing Co., Ltd.
Manufacturer Address:	10-1, Higashikotari 1-chome, Nagaokakyo-shi, Kyoto 617-8555, Japan
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
Test Device Serial No.:	N/A ☐ Production ☒ Pre-Production ☐ Engineering

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. 893164) test facility with the site description report on file and has met all the requirements specified in ANSI C63.4-2014.**
- **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-20025, G-20034, C-20020, T-20020) 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, Radio and SAR testing.**

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, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China. The measurement facility compliant with the test site requirements specified in ANSI C63.4-2014.

2. PRODUCT INFORMATION

2.1. Equipment Description

Product Name:	W-LAN + Bluetooth Module
Model No.:	1PJ
Brand Name:	Murata
Work Voltage	DC 3.3V
Wi-Fi Specification	802.11a/b/g/n/ac
Bluetooth Specification	V5.0 dual mode

2.2. Product Specification Subjective to this Report

Frequency Range	For 802.11a/n-HT20/ac-VHT20:5180~5320MHz, 5500~5720MHz, 5745~5825MHz For 802.11n-HT40/ac-VHT40:5190~5310MHz, 5510~5710MHz, 5755~5795MHz For 802.11ac-VHT80:5210MHz, 5290MHz, 5530MHz, 5610MHz, 5690MHz, 5775MHz
Type of Modulation	802.11a/n/ac: OFDM
Data Rate:	802.11a: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 150Mbps 802.11ac: up to 433.3Mbps
Antenna Gain	4.32dBi for 5180~5850MHz

Note: For other features of this EUT, test report will be issued separately.

2.3. Operation Frequency / Channel list

802.11a/n-HT20/ac-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/ac-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

Note: The device can't operate in 5600~5650 MHz band in Canada (The frequency of blue font).

2.4. 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

2.5. Description of Test Software

The test utility software used during testing was “QCARCT”, and the version was “v3.0.210.0”.

Power Parameter Value:

Test Mode	Test Channel No.	Test Frequency (MHz)	Power Parameter Value
802.11a	36	5180	14.0
	44	5220	13.5
	48	5240	13.5
	52	5260	14.0
	60	5300	14.0
	64	5320	14.0
	100	5500	14.0
	116	5580	13.0
	120	5600	13.5
	140	5700	14.0
	144	5720	14.0
	149	5745	14.0
	157	5785	13.5
	165	5825	13.5
802.11n-HT20	36	5180	14.0
	44	5220	13.5
	48	5240	14.0
	52	5260	14.5
	60	5300	14.0
	64	5320	14.5
	100	5500	14.5
	116	5580	13.5
	120	5600	14.0
	140	5700	14.0
	144	5720	14.5
	149	5745	13.5
	157	5785	13.5
	165	5825	13.5

802.11n-HT40	38	5190	13.0
	46	5230	13.0
	54	5270	13.5
	62	5310	13.0
	102	5510	13.0
	110	5550	13.0
	118	5590	12.5
	134	5670	12.5
	142	5710	13.0
	151	5755	12.5
	159	5795	12.5
802.11ac-VHT20	36	5180	14.0
	44	5220	13.5
	48	5240	14.0
	52	5260	14.5
	60	5300	14.0
	64	5320	14.5
	100	5500	14.5
	116	5580	13.5
	120	5600	13.5
	140	5700	14.5
	144	5720	14.5
	149	5745	14.0
	157	5785	14.0
	165	5825	14.0
802.11ac-VHT40	38	5190	13.0
	46	5230	12.5
	54	5270	13.0
	62	5310	13.0
	102	5510	13.0
	110	5550	12.5
	118	5590	12.5
	134	5670	13.0
	142	5710	13.0
	151	5755	12.5
	159	5795	13.0

802.11ac-VHT80	42	5210	12.0
	58	5290	12.0
	106	5530	11.5
	122	5610	12.0
	138	5690	12.0
	155	5775	12.0

2.6. Device Capabilities

This device contains the following capabilities:
5GHz WLAN (NII), 2.4GHz WLAN (DTS), Bluetooth v5.0 (DTS / DSS)

2.7. Test Configuration

The device was tested per the guidance of KDB 789033 D02v02r01. ANSI C63.10-2013 was used to reference the appropriate EUT setup for radiated spurious emissions testing and AC line conducted testing.

2.8. EMI Suppression Device(s)/Modifications

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

2.9. 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 FCC ID must be displayed on the device per Section 15.19(a)(5). Please see attachment for FCC ID label and label location.

RSP-100 Issue 11 Section 3

The manufacturer, importer or distributor shall meet the labelling requirements set out in this section for every unit:

(i) prior to marketing in Canada, for products manufactured in Canada

(ii) prior to importation into Canada, for imported products

For information regarding the e-labelling option, see Notice 2014–DRS1003. The label for the certified product represents the manufacturer's or importer's compliance with Innovation, Science and Economic Development Canada's (ISED) regulatory requirements.

Please see attachment for IC 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 D02v02r01 were used in the measurement of the device.

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.

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 device uses a unique connector.

Antenna Type	Antenna connector Type
PIFA Antenna	IPEX connector

Conclusion:

The device unit complies with the requirement of §15.203.

5. TEST EQUIPMENT CALIBRATION DATE

Conducted Emissions - SR2

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR3	MRTSUE06185	1 year	2020/04/15
Two-Line V-Network	R&S	ENV 216	MRTSUE06002	1 year	2019/06/14
Two-Line V-Network	R&S	ENV 216	MRTSUE06003	1 year	2019/06/14
Thermohygrometer	Testo	608-H1	MRTSUE06404	1 year	2019/08/14
Shielding Anechoic Chamber	MIX-BEP	Chamber-SR2	MRTSUE06214	N/A	N/A

Radiated Emissions - AC1

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR7	MRTSUE06001	1 year	2019/08/13
PXA Signal Analyzer	Keysight	9030B	MRTSUE06395	1 year	2019/09/25
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2019/11/09
Bilog Period Antenna	Schwarzbeck	VULB 9168	MRTSUE06172	1 year	2020/03/31
Broad Band Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06023	1 year	2019/10/19
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06024	1 year	2019/12/17
Microwave System Amplifier	Agilent	83017A	MRTSUE06076	1 year	2019/11/16
Preamplifier	Schwarzbeck	BBV 9721	MRTSUE06121	1 year	2019/06/12
Thermohygrometer	Testo	608-H1	MRTSUE06403	1 year	2019/08/14
Anechoic Chamber	TDK	Chamber-AC1	MRTSUE06213	1 year	2020/04/30

Radiated Emission - AC2

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Spectrum Analyzer	Keysight	N9038A	MRTSUE06125	1 year	2019/08/13
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2019/11/09
Bilog Period Antenna	Schwarzbeck	VULB 9162	MRTSUE06022	1 year	2019/10/19
Horn Antenna	Schwarzbeck	BBHA9120D	MRTSUE06171	1 year	2019/11/09
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06024	1 year	2019/12/17
Broadband Coaxial Preamplifier	Schwarzbeck	BBV 9718	MRTSUE06176	1 year	2019/11/16
Preamplifier	Schwarzbeck	BBV 9721	MRTSUE06121	1 year	2019/06/12
Temperature/Humidity Meter	Minggao	ETH529	MRTSUE06170	1 year	2019/12/13
Anechoic Chamber	RIKEN	Chamber-AC2	MRTSUE06213	1 year	2020/04/30

Conducted Test Equipment - TR3

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EXA Signal Analyzer	Agilent	N9020A	MRTSUE06106	1 year	2020/04/15
EXA Signal Analyzer	Keysight	N9010B	MRTSUE06452	1 year	2019/07/19
Power Meter	Agilent	U2021XA	MRTSUE06030	1 year	2019/11/16
USB wideband power sensor	Keysight	U2021XA	MRTSUE06446	1 year	2019/07/19
USB wideband power sensor	Keysight	U2021XA	MRTSUE06447	1 year	2019/07/05
DC Power Supply	GWINSTEK	DPS-3303C	MRTSUE06064	N/A	N/A
Temperature & Humidity Chamber	BAOYT	BYH-150CL	MRTSUE06051	1 year	2019/11/16
Thermohygrometer	testo	608-H1	MRTSUE06401	1 year	2019/08/14

Software	**Version**	**Function**
EMI Software	V3	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 - SR2
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 150kHz~30MHz: 3.46dB
Radiated Emission Measurement – AC1
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 9kHz ~ 1GHz: 4.18dB 1GHz ~ 25GHz: 4.76dB
Radiated Emission Measurement – AC2
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 9kHz ~ 1GHz: 3.86dB 1GHz ~ 25GHz: 4.33dB

7. TEST RESULT

7.1. Summary

FCC Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
15.407(a)(1)(iv), (2), (3)	Maximum Conducted Output Power	Refer to section 7.2.1	Conducted	Pass	Section 7.2
15.407(a)(1)(iv), (2), (3), (5)	Peak Power Spectral Density	Refer to section 7.3.1		Pass	Section 7.3
15.407(b)(1), (2), (3), (4)(i)	Undesirable Emissions	≤ -27dBm/MHz EIRP Detail see section 7.8	Radiated	Pass	Section 7.3 & 7.4
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	

RSS Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
RSS-247 §6.2.1, §6.2.2, §6.2.3, §6.2.4	Max Conducted Output Power	Refer to section 7.2.1	Conducted	Pass	Section 7.2
	Maximum E.I.R.P				
RSS-247 §6.2.1, §6.2.2, §6.2.3, §6.2.4	Peak Power Spectral Density	Refer to section 7.3.1		Pass	Section 7.3
RSS-247 §6.2.1, §6.2.2, §6.2.3, §6.2.4	Out-of-Band Emissions	≤ -27dBm/MHz EIRP	Radiated	Pass	Section 7.3 & 7.4
RSS-247 §6.2.1, §6.2.2, §6.2.3, §6.2.4	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Emissions in restricted bands must meet the radiated limits detailed in RSS-Gen [8.9]		Pass	

Notes:

1) The correction factor was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the power meter at all frequencies of interest.
2) All modes of operation and data rates were investigated. 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.

7.2. Output Power Measurement

7.2.1.Test Limit

For FCC

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 250mW provided the maximum antenna gain does not exceed 6dBi.

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 250mW or 11dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.

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.

Additional Requirement for IC

For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200mW (23.01dBm) or 10 + 10 $\log_{10}$ B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.

For the 5.25 - 5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power shall not exceed 250mW (23.98dBm) or 11 + 10 $\log_{10}$ B, dBm, whichever power is less. The maximum e.i.r.p. shall not exceed 1.0 W (30dBm) or 17 + 10 $\log_{10}$ B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.

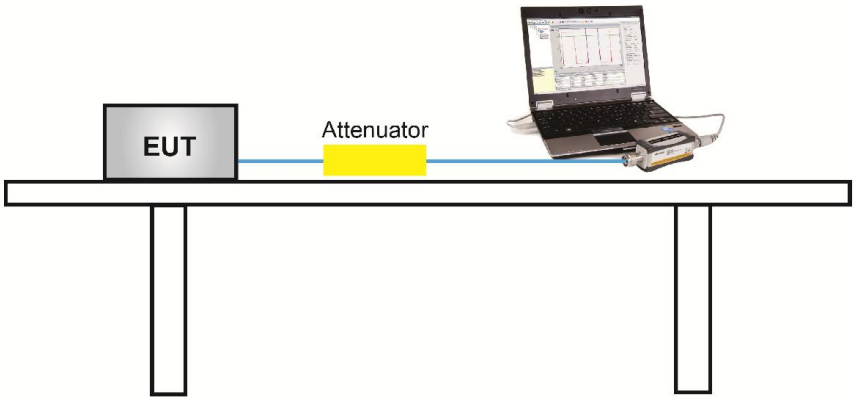
7.2.2.Test Procedure Used

KDB 789033 D02v02r01 - Section E) 3) b) Method PM-G

7.2.3.Test Setting

Average power measurements were perform 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.

7.2.4.Test Setup



7.2.5.Test Result

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

Test Mode	Bandwidth	Channel	Frequency (MHz)	Data Rate / MCS	Average Power (dBm)
802.11a	20	36	5180	6Mbps	13.78
				24Mbps	13.11
				54Mbps	12.21
802.11n	20	36	5180	MCS0	13.65
				MCS4	12.74
				MCS7	12.03
802.11n	40	38	5190	MCS0	12.54
				MCS3	11.69
				MCS7	10.78
802.11ac	20	36	5180	MCS0	13.77
				MCS4	12.86
				MCS8	11.90
802.11ac	40	38	5190	MCS0	12.83
				MCS4	12.05
				MCS9	11.19
802.11ac	80	42	5210	MCS0	11.83
				MCS4	10.89
				MCS9	10.86

Product	W-LAN + Bluetooth Module	Temperature	23°C
Test Engineer	Flag Yang	Relative Humidity	54%
Test Site	TR3	Test Date	2019/05/10

Test Mode	Data Rate / MCS	Channel No.	Freq. (MHz)	Average Power (dBm)	FCC Average Power Limit (dBm)	IC Average Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Result
11a	6Mbps	36	5180	13.78	≤ 23.98	--	18.10	≤ 22.10	Pass
11a	6Mbps	44	5220	13.85	≤ 23.98	--	18.17	≤ 22.10	Pass
11a	6Mbps	48	5240	13.63	≤ 23.98	--	17.95	≤ 22.10	Pass
11a	6Mbps	52	5260	13.79	≤ 23.79	≤ 23.10	18.11	≤ 29.10	Pass
11a	6Mbps	60	5300	13.87	≤ 23.92	≤ 23.10	18.19	≤ 29.10	Pass
11a	6Mbps	64	5320	13.64	≤ 23.72	≤ 23.10	17.96	≤ 29.10	Pass
11a	6Mbps	100	5500	13.72	≤ 23.78	≤ 23.10	18.04	≤ 29.10	Pass
11a	6Mbps	116	5580	13.69	≤ 23.77	≤ 23.10	18.01	≤ 29.10	Pass
11a	6Mbps	120	5600	13.79	≤ 23.69	--	--	--	Pass
11a	6Mbps	140	5700	13.88	≤ 23.89	≤ 23.10	18.20	≤ 29.10	Pass
11a	6Mbps	144	5720	13.54	≤ 23.78	≤ 23.10	17.86	≤ 29.10	Pass
11a	6Mbps	149	5745	14.03	≤ 30.00	≤ 30.00	--	--	Pass
11a	6Mbps	157	5785	13.64	≤ 30.00	≤ 30.00	--	--	Pass
11a	6Mbps	165	5825	13.83	≤ 30.00	≤ 30.00	--	--	Pass
11n-HT20	MCS0	36	5180	13.65	≤ 23.98	--	17.97	≤ 22.40	Pass
11n-HT20	MCS0	44	5220	13.66	≤ 23.98	--	17.98	≤ 22.40	Pass
11n-HT20	MCS0	48	5240	13.77	≤ 23.98	--	18.09	≤ 22.40	Pass
11n-HT20	MCS0	52	5260	13.85	≤ 23.98	≤ 23.40	18.17	≤ 29.40	Pass
11n-HT20	MCS0	60	5300	13.69	≤ 23.98	≤ 23.40	18.01	≤ 29.40	Pass
11n-HT20	MCS0	64	5320	13.81	≤ 23.98	≤ 23.40	18.13	≤ 29.40	Pass
11n-HT20	MCS0	100	5500	13.83	≤ 23.98	≤ 23.40	18.15	≤ 29.40	Pass
11n-HT20	MCS0	116	5580	13.87	≤ 23.98	≤ 23.40	18.19	≤ 29.40	Pass
11n-HT20	MCS0	120	5600	13.88	≤ 23.98	--	--	--	Pass
11n-HT20	MCS0	140	5700	13.59	≤ 23.98	≤ 23.41	17.91	≤ 29.41	Pass
11n-HT20	MCS0	144	5720	13.72	≤ 23.98	≤ 23.40	18.04	≤ 29.40	Pass
11n-HT20	MCS0	149	5745	13.66	≤ 30.00	≤ 30.00	--	--	Pass
11n-HT20	MCS0	157	5785	13.58	≤ 30.00	≤ 30.00	--	--	Pass
11n-HT20	MCS0	165	5825	13.90	≤ 30.00	≤ 30.00	--	--	Pass

Test Mode	Data Rate / MCS	Channel No.	Freq. (MHz)	Average Power (dBm)	FCC Average Power Limit (dBm)	IC Average Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Result
11n-HT40	MCS0	38	5190	12.54	≤ 23.98	--	16.86	≤ 23.01	Pass
11n-HT40	MCS0	46	5230	12.79	≤ 23.98	--	17.11	≤ 23.01	Pass
11n-HT40	MCS0	54	5270	12.86	≤ 23.98	≤ 23.98	17.18	≤ 30.00	Pass
11n-HT40	MCS0	62	5310	12.67	≤ 23.98	≤ 23.98	16.99	≤ 30.00	Pass
11n-HT40	MCS0	102	5510	12.83	≤ 23.98	≤ 23.98	17.15	≤ 30.00	Pass
11n-HT40	MCS0	110	5550	12.88	≤ 23.98	≤ 23.98	17.20	≤ 30.00	Pass
11n-HT40	MCS0	118	5590	12.73	≤ 23.98	--	--	--	Pass
11n-HT40	MCS0	134	5670	12.58	≤ 23.98	≤ 23.98	16.90	≤ 30.00	Pass
11n-HT40	MCS0	142	5710	12.70	≤ 23.98	≤ 23.98	17.02	≤ 30.00	Pass
11n-HT40	MCS0	151	5755	12.58	≤ 30.00	≤ 30.00	--	--	Pass
11n-HT40	MCS0	159	5795	12.54	≤ 30.00	≤ 30.00	--	--	Pass
11ac-VHT20	MCS0	36	5180	13.77	≤ 23.98	--	18.09	≤ 22.40	Pass
11ac-VHT20	MCS0	44	5220	14.04	≤ 23.98	--	18.36	≤ 22.40	Pass
11ac-VHT20	MCS0	48	5240	13.82	≤ 23.98	--	18.14	≤ 22.40	Pass
11ac-VHT20	MCS0	52	5260	13.79	≤ 23.98	≤ 23.40	18.11	≤ 29.40	Pass
11ac-VHT20	MCS0	60	5300	13.72	≤ 23.98	≤ 23.41	18.04	≤ 29.41	Pass
11ac-VHT20	MCS0	64	5320	13.89	≤ 23.98	≤ 23.40	18.21	≤ 29.40	Pass
11ac-VHT20	MCS0	100	5500	13.90	≤ 23.98	≤ 23.39	18.22	≤ 29.39	Pass
11ac-VHT20	MCS0	116	5580	13.95	≤ 23.98	≤ 23.40	18.27	≤ 29.40	Pass
11ac-VHT20	MCS0	120	5600	13.69	≤ 23.98	--	--	--	Pass
11ac-VHT20	MCS0	140	5700	14.01	≤ 23.98	≤ 23.40	18.33	≤ 29.40	Pass
11ac-VHT20	MCS0	144	5720	13.83	≤ 23.98	≤ 23.40	18.15	≤ 29.40	Pass
11ac-VHT20	MCS0	149	5745	13.94	≤ 30.00	≤ 30.00	--	--	Pass
11ac-VHT20	MCS0	157	5785	13.90	≤ 30.00	≤ 30.00	--	--	Pass
11ac-VHT20	MCS0	165	5825	13.92	≤ 30.00	≤ 30.00	--	--	Pass

Test Mode	Data Rate / MCS	Channel No.	Freq. (MHz)	Average Power (dBm)	FCC Average Power Limit (dBm)	IC Average Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Result
11ac-VHT40	MCS0	38	5190	12.83	≤ 23.98	--	17.15	≤ 23.01	Pass
11ac-VHT40	MCS0	46	5230	12.60	≤ 23.98	--	16.92	≤ 23.01	Pass
11ac-VHT40	MCS0	54	5270	12.54	≤ 23.98	≤ 23.98	16.86	≤ 30.00	Pass
11ac-VHT40	MCS0	62	5310	12.81	≤ 23.98	≤ 23.98	17.13	≤ 30.00	Pass
11ac-VHT40	MCS0	102	5510	12.65	≤ 23.98	≤ 23.98	16.97	≤ 30.00	Pass
11ac-VHT40	MCS0	110	5550	12.53	≤ 23.98	≤ 23.98	16.85	≤ 30.00	Pass
11ac-VHT40	MCS0	118	5590	12.78	≤ 23.98	--	--	--	Pass
11ac-VHT40	MCS0	134	5670	12.88	≤ 23.98	≤ 23.98	17.20	≤ 30.00	Pass
11ac-VHT40	MCS0	142	5710	12.64	≤ 23.98	≤ 23.98	16.96	≤ 30.00	Pass
11ac-VHT40	MCS0	151	5755	12.60	≤ 30.00	≤ 30.00	--	--	Pass
11ac-VHT40	MCS0	159	5795	13.09	≤ 30.00	≤ 30.00	--	--	Pass
11ac-VHT80	MCS0	42	5210	11.83	≤ 23.98	--	16.15	≤ 23.01	Pass
11ac-VHT80	MCS0	58	5290	11.85	≤ 23.98	≤ 23.98	16.17	≤ 30.00	Pass
11ac-VHT80	MCS0	106	5530	11.74	≤ 23.98	≤ 23.98	16.06	≤ 30.00	Pass
11ac-VHT80	MCS0	122	5610	11.76	≤ 23.98	--	--	--	Pass
11ac-VHT80	MCS0	138	5690	11.68	≤ 23.98	≤ 23.98	16.00	≤ 30.00	Pass
11ac-VHT80	MCS0	155	5775	11.84	≤ 30.00	≤ 30.00	--	--	Pass

Note: EIRP(dBm) = Average Power(dBm) + Antenna Gain(dBi), Antenna Gain(dBi) = 4.32dBi

7.3. Power Spectral Density Measurement

7.3.1.Test Limit

For FCC

For 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.

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.

Additional Requirement for IC

For the band 5.15-5.25 GHz, the e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

7.3.2.Test Procedure Used

KDB 789033 D02v02r01 - Section F

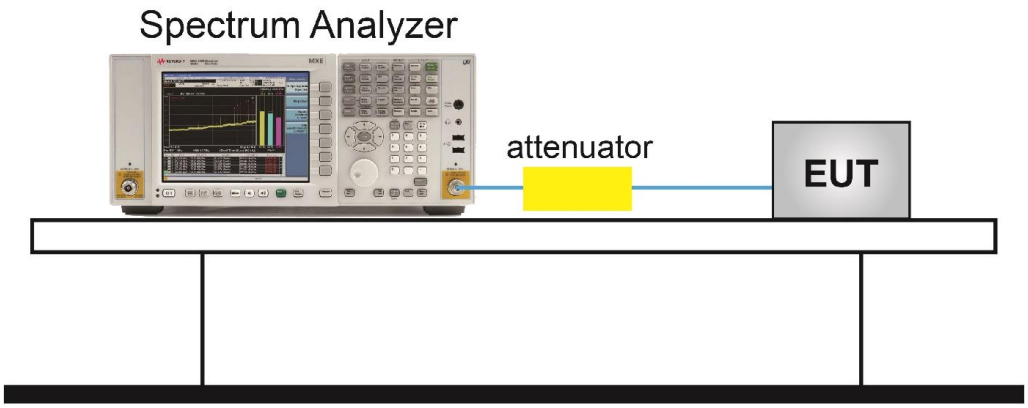
7.3.3.Test Setting

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire 26dB OBW 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 ≥ 2 × (span / 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*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*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*log(500kHz/100kHz) = 6.99 dB to the measured result

7.3.4.Test Setup



7.3.5.Test Result

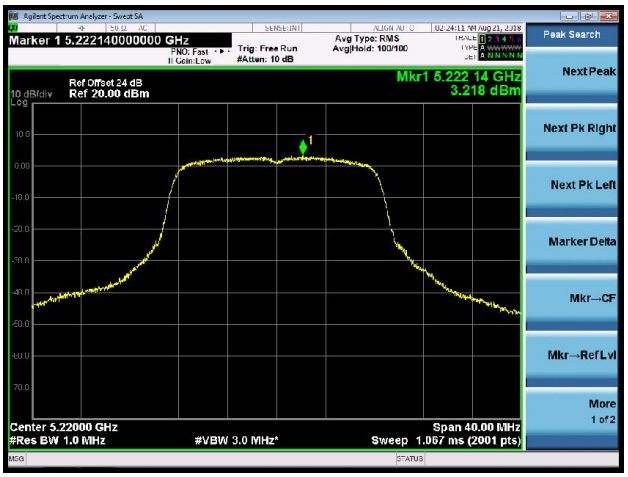
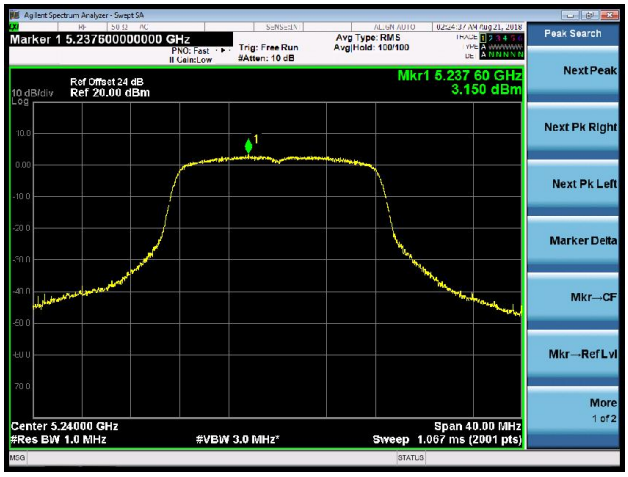
Product	W-LAN + Bluetooth Module	Temperature	23°C
Test Engineer	Dandy Li	Relative Humidity	54%
Test Site	TR3	Test Date	2018/08/21 ~ 2019/05/15
Test Item	Power Spectral Density (UNII-Band 1)		

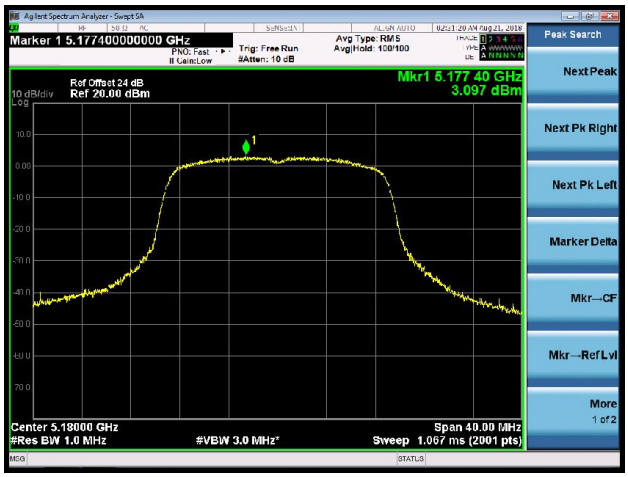
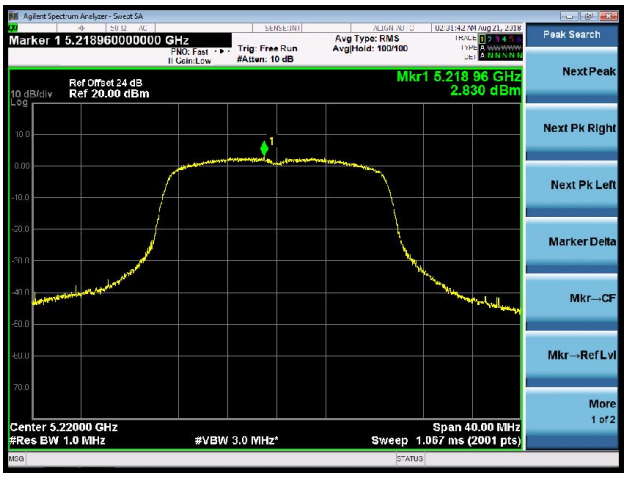
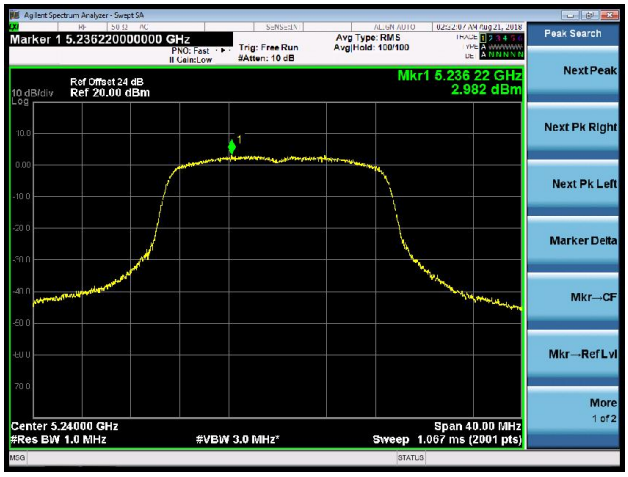
Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	PSD (dBm/ MHz)	Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Result
11a	6Mbps	36	5180	3.42	93.62	3.71	≤ 10.00	5.71	≤ 10.00	Pass
11a	6Mbps	44	5220	3.22	93.62	3.50	≤ 10.00	5.50	≤ 10.00	Pass
11a	6Mbps	48	5240	3.15	93.62	3.44	≤ 10.00	5.44	≤ 10.00	Pass
11n-HT20	MCS0	36	5180	3.10	94.80	3.33	≤ 10.00	5.33	≤ 10.00	Pass
11n-HT20	MCS0	44	5220	2.83	94.80	3.06	≤ 10.00	5.06	≤ 10.00	Pass
11n-HT20	MCS0	48	5240	2.98	94.80	3.21	≤ 10.00	5.21	≤ 10.00	Pass
11n-HT40	MCS0	38	5190	-1.30	85.91	-0.64	≤ 10.00	1.36	≤ 10.00	Pass
11n-HT40	MCS0	46	5230	-1.01	85.91	-0.35	≤ 10.00	1.65	≤ 10.00	Pass
11ac-VHT20	MCS0	36	5180	3.05	94.28	3.30	≤ 10.00	5.30	≤ 10.00	Pass
11ac-VHT20	MCS0	44	5220	2.74	94.28	3.00	≤ 10.00	5.00	≤ 10.00	Pass
11ac-VHT20	MCS0	48	5240	2.95	94.28	3.20	≤ 10.00	5.20	≤ 10.00	Pass
11ac-VHT40	MCS0	38	5190	-1.17	89.86	-0.70	≤ 10.00	1.30	≤ 10.00	Pass
11ac-VHT40	MCS0	46	5230	-1.37	89.86	-0.90	≤ 10.00	1.10	≤ 10.00	Pass
11ac-VHT80	MCS0	42	5210	-5.24	80.98	-4.32	≤ 10.00	-2.32	≤ 10.00	Pass

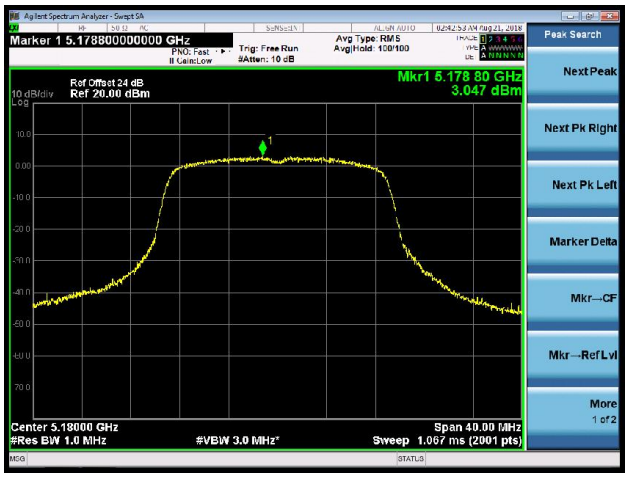
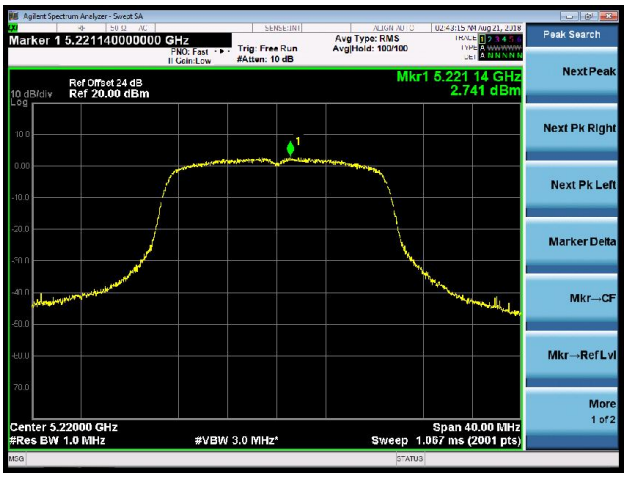
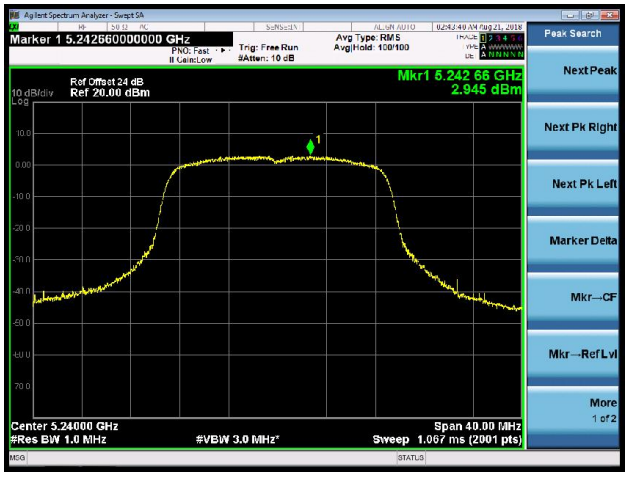
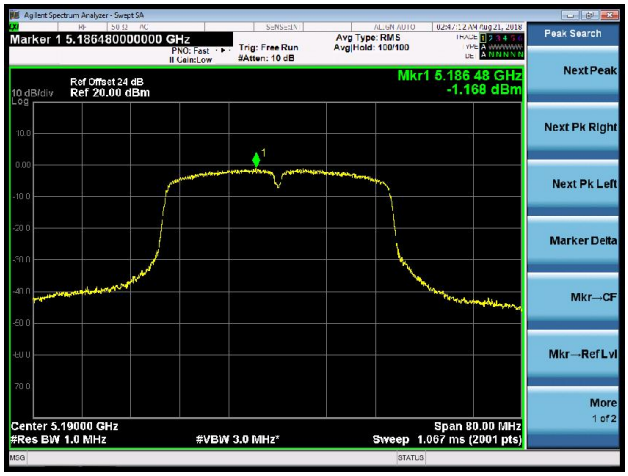
Note 1: When EUT duty cycle < 98%, Total PSD (dBm/MHz) = PSD (dBm/MHz) + 10*log (1/Duty Cycle).

Note 2: EIRP PSD (dBm/MHz) = Total PSD (dBm/ MHz) + Antenna Gain (dBi), Antenna Gain = 4.32dBi

Note 3: The raw data of Power Spectral Density (UNII-Band 1) comes from the MRT report 1808WSU011-U4.

802.11a Power Spectral Density	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	--
	--

802.11n-HT20 Power Spectral Density	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	--
	--
802.11n-HT40 Power Spectral Density	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	

802.11ac-VHT20 Power Spectral Density	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	--
	--
802.11ac-VHT40 Power Spectral Density	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	

802.11ac-VHT80 Power Spectral Density	
Channel 42 (5210MHz)	--
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7.4. Radiated Spurious Emission Measurement

7.4.1.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 [uV/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

7.4.2.Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 Section 6.5 (Standard test method above 30MHz to 1GHz)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

7.4.3.Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

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 = as specified in Table 1
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

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

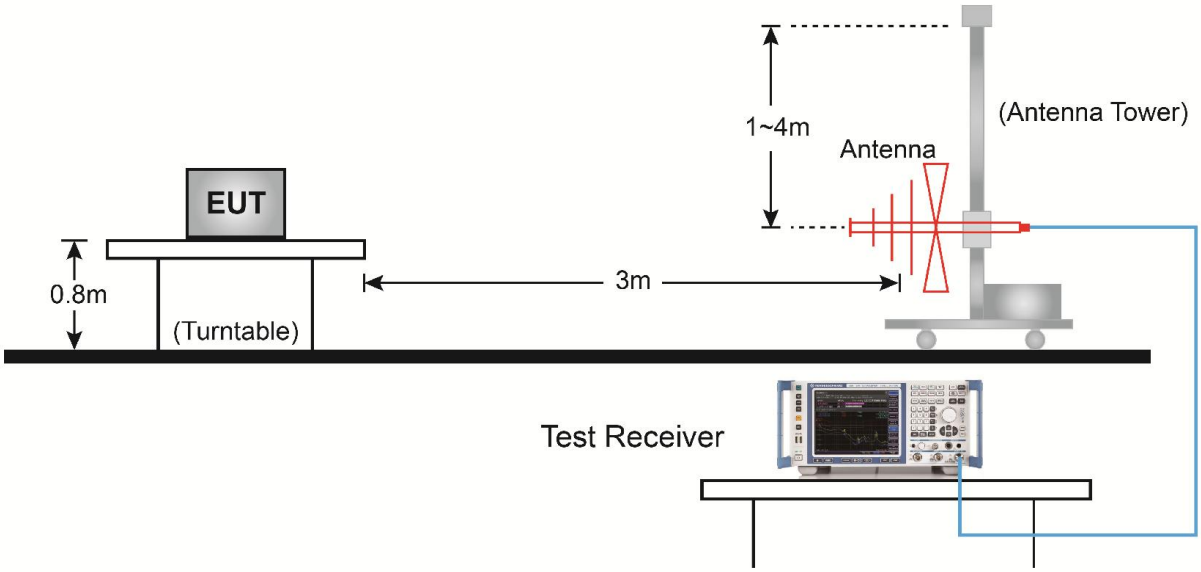
Average Measurements above 1GHz (Method VB)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10 Hz.

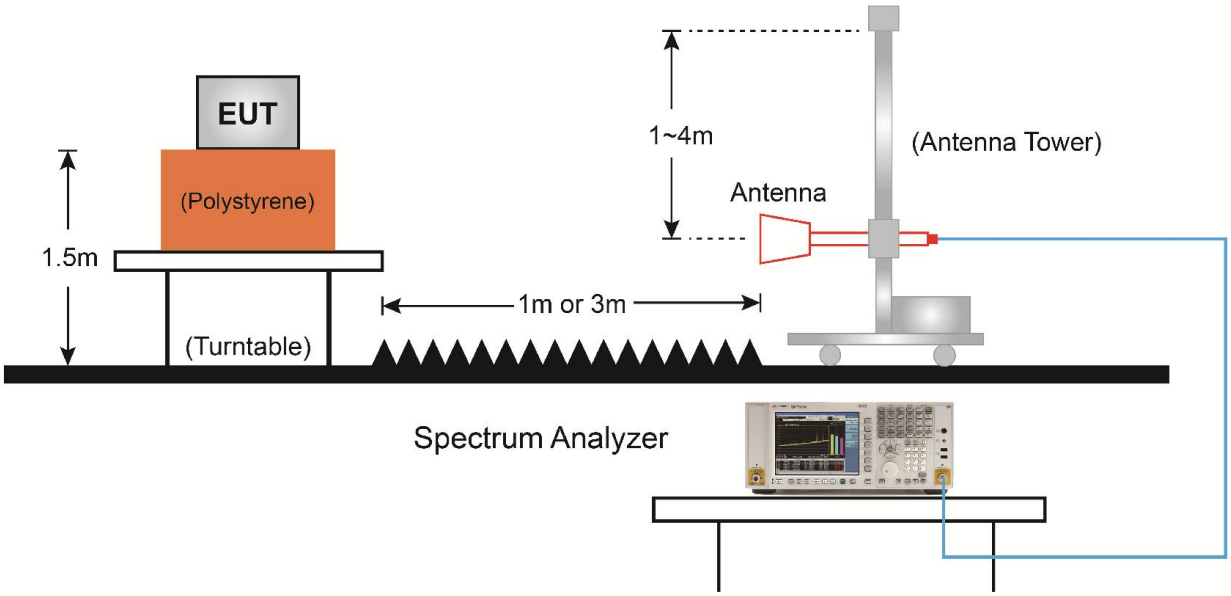
   If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration.
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

7.4.4.Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



7.4.5.Test Result

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11a	Test Channel:	36
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
*	8777.5	35.0	13.3	48.3	68.2	-19.9	Peak	Horizontal
*	9942.0	33.3	16.1	49.4	68.2	-18.8	Peak	Horizontal
	10962.0	35.3	18.0	53.3	74.0	-20.7	Peak	Horizontal
	12126.5	35.0	17.0	52.0	74.0	-22.0	Peak	Horizontal
*	8692.5	34.2	13.2	47.4	68.2	-20.8	Peak	Vertical
*	10120.5	35.5	16.2	51.7	68.2	-16.5	Peak	Vertical
	10996.0	34.3	17.8	52.1	74.0	-21.9	Peak	Vertical
	11429.5	35.8	17.7	53.5	74.0	-20.5	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11a	Test Channel:	44
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
*	8692.5	34.8	13.2	48.0	68.2	-20.2	Peak	Horizontal
*	10146.0	34.1	16.2	50.3	68.2	-17.9	Peak	Horizontal
	11574.0	35.9	17.5	53.4	74.0	-20.6	Peak	Horizontal
	12279.5	35.1	16.9	52.0	74.0	-22.0	Peak	Horizontal
*	8658.5	34.8	13.0	47.8	68.2	-20.4	Peak	Vertical
*	9857.0	34.0	16.0	50.0	68.2	-18.2	Peak	Vertical
	10962.0	34.2	18.0	52.2	74.0	-21.8	Peak	Vertical
	12254.0	35.3	17.0	52.3	74.0	-21.7	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11a	Test Channel:	48
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
*	7970.0	33.2	12.5	45.7	68.2	-22.5	Peak	Horizontal
*	9967.5	34.1	16.0	50.1	68.2	-18.1	Peak	Horizontal
	11089.5	35.0	17.7	52.7	74.0	-21.3	Peak	Horizontal
	12126.5	35.2	17.0	52.2	74.0	-21.8	Peak	Horizontal
*	8658.5	34.3	13.0	47.3	68.2	-20.9	Peak	Vertical
*	9942.0	34.0	16.1	50.1	68.2	-18.1	Peak	Vertical
	11004.5	34.9	17.8	52.7	74.0	-21.3	Peak	Vertical
	12084.0	35.6	16.9	52.5	74.0	-21.5	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11a	Test Channel:	52
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
*	8769.0	34.9	13.4	48.3	68.2	-19.9	Peak	Horizontal
*	10061.0	33.7	16.1	49.8	68.2	-18.4	Peak	Horizontal
	10868.5	34.4	17.8	52.2	74.0	-21.8	Peak	Horizontal
	11591.0	34.9	17.6	52.5	74.0	-21.5	Peak	Horizontal
*	8760.5	34.9	13.3	48.2	68.2	-20.0	Peak	Vertical
*	9933.5	33.6	16.1	49.7	68.2	-18.5	Peak	Vertical
	11013.0	34.3	17.8	52.1	74.0	-21.9	Peak	Vertical
	11769.5	35.8	17.1	52.9	74.0	-21.1	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11a	Test Channel:	60
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
*	8692.5	34.4	13.2	47.6	68.2	-20.6	Peak	Horizontal
*	9891.0	34.0	16.2	50.2	68.2	-18.0	Peak	Horizontal
	11106.5	35.0	17.5	52.5	74.0	-21.5	Peak	Horizontal
	12220.0	34.5	17.0	51.5	74.0	-22.5	Peak	Horizontal
*	8692.5	34.3	13.2	47.5	68.2	-20.7	Peak	Vertical
*	10171.5	34.4	16.4	50.8	68.2	-17.4	Peak	Vertical
	10749.5	35.5	17.4	52.9	74.0	-21.1	Peak	Vertical
	11667.5	34.3	17.4	51.7	74.0	-22.3	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11a	Test Channel:	64
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
*	8803.0	34.3	13.3	47.6	68.2	-20.6	Peak	Horizontal
*	9874.0	34.0	16.1	50.1	68.2	-18.1	Peak	Horizontal
	10877.0	35.2	17.8	53.0	74.0	-21.0	Peak	Horizontal
	11506.0	35.0	17.6	52.6	74.0	-21.4	Peak	Horizontal
*	8692.5	34.0	13.2	47.2	68.2	-21.0	Peak	Vertical
*	9865.5	34.1	16.1	50.2	68.2	-18.0	Peak	Vertical
	10902.5	34.6	17.9	52.5	74.0	-21.5	Peak	Vertical
	11259.5	35.3	17.5	52.8	74.0	-21.2	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11a	Test Channel:	100
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
*	7953.0	34.9	12.5	47.4	68.2	-20.8	Peak	Horizontal
*	8803.0	34.8	13.3	48.1	68.2	-20.1	Peak	Horizontal
	10877.0	32.6	17.8	50.4	74.0	-23.6	Peak	Horizontal
	11489.0	34.9	17.7	52.6	74.0	-21.4	Peak	Horizontal
*	8616.0	35.6	12.9	48.5	68.2	-19.7	Peak	Vertical
*	9712.5	33.5	15.4	48.9	68.2	-19.3	Peak	Vertical
	11004.5	35.0	17.8	52.8	74.0	-21.2	Peak	Vertical
	11659.0	35.0	17.5	52.5	74.0	-21.5	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11a	Test Channel:	116
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
*	8871.0	34.6	13.5	48.1	68.2	-20.1	Peak	Horizontal
*	9772.0	33.0	15.9	48.9	68.2	-19.3	Peak	Horizontal
	10741.0	34.8	17.4	52.2	74.0	-21.8	Peak	Horizontal
	11897.0	35.4	16.9	52.3	74.0	-21.7	Peak	Horizontal
*	8641.5	34.7	13.1	47.8	68.2	-20.4	Peak	Vertical
*	9772.0	32.9	15.9	48.8	68.2	-19.4	Peak	Vertical
	10868.5	34.3	17.8	52.1	74.0	-21.9	Peak	Vertical
	12092.5	35.3	17.0	52.3	74.0	-21.7	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11a	Test Channel:	120
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
*	8743.5	33.5	13.3	46.8	68.2	-21.4	Peak	Horizontal
*	10239.5	34.7	16.5	51.2	68.2	-17.0	Peak	Horizontal
	11004.5	34.6	17.8	52.4	74.0	-21.6	Peak	Horizontal
	11480.5	34.8	17.7	52.5	74.0	-21.5	Peak	Horizontal
*	8845.5	34.4	13.4	47.8	68.2	-20.4	Peak	Vertical
*	9899.5	32.9	16.1	49.0	68.2	-19.2	Peak	Vertical
	10911.0	33.7	17.9	51.6	74.0	-22.4	Peak	Vertical
	11676.0	35.2	17.3	52.5	74.0	-21.5	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11a	Test Channel:	140
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
*	8786.0	35.2	13.3	48.5	68.2	-19.7	Peak	Horizontal
*	9899.5	32.9	16.1	49.0	68.2	-19.2	Peak	Horizontal
	10928.0	32.9	18.0	50.9	74.0	-23.1	Peak	Horizontal
	11744.0	35.1	16.9	52.0	74.0	-22.0	Peak	Horizontal
*	7851.0	34.0	12.1	46.1	68.2	-22.1	Peak	Vertical
*	9925.0	34.1	16.0	50.1	68.2	-18.1	Peak	Vertical
	11089.5	35.1	17.7	52.8	74.0	-21.2	Peak	Vertical
	11744.0	35.5	16.9	52.4	74.0	-21.6	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11a	Test Channel:	144
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
*	8701.0	34.3	13.2	47.5	68.2	-20.7	Peak	Horizontal
*	9925.0	33.9	16.0	49.9	68.2	-18.3	Peak	Horizontal
	10877.0	34.7	17.8	52.5	74.0	-21.5	Peak	Horizontal
	11735.5	34.9	17.0	51.9	74.0	-22.1	Peak	Horizontal
*	7927.5	33.8	12.5	46.3	68.2	-21.9	Peak	Vertical
*	10146.0	33.9	16.2	50.1	68.2	-18.1	Peak	Vertical
	11412.5	34.8	17.7	52.5	74.0	-21.5	Peak	Vertical
	12220.0	34.9	17.0	51.9	74.0	-22.1	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11a	Test Channel:	149
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
*	7936.0	33.0	12.6	45.6	68.2	-22.6	Peak	Horizontal
*	8633.0	34.9	13.1	48.0	68.2	-20.2	Peak	Horizontal
	10877.0	34.3	17.8	52.1	74.0	-21.9	Peak	Horizontal
	11429.5	32.8	17.7	50.5	74.0	-23.5	Peak	Horizontal
*	7910.5	34.4	12.4	46.8	68.2	-21.4	Peak	Vertical
*	10095.0	33.8	16.2	50.0	68.2	-18.2	Peak	Vertical
	10894.0	34.3	17.9	52.2	74.0	-21.8	Peak	Vertical
	11701.5	34.9	17.1	52.0	74.0	-22.0	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11a	Test Channel:	157
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
*	8845.5	35.0	13.4	48.4	68.2	-19.8	Peak	Horizontal
*	10044.0	32.0	16.1	48.1	68.2	-20.1	Peak	Horizontal
	10766.5	34.1	17.5	51.6	74.0	-22.4	Peak	Horizontal
	11922.5	35.4	16.8	52.2	74.0	-21.8	Peak	Horizontal
*	8735.0	33.5	13.2	46.7	68.2	-21.5	Peak	Vertical
*	9899.5	33.7	16.1	49.8	68.2	-18.4	Peak	Vertical
	10996.0	35.3	17.8	53.1	74.0	-20.9	Peak	Vertical
	11880.0	35.2	16.9	52.1	74.0	-21.9	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11a	Test Channel:	165
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
*	7842.5	34.3	12.1	46.4	68.2	-21.8	Peak	Horizontal
*	8743.5	35.1	13.3	48.4	68.2	-19.8	Peak	Horizontal
	10826.0	34.1	17.6	51.7	74.0	-22.3	Peak	Horizontal
	12220.0	35.1	17.0	52.1	74.0	-21.9	Peak	Horizontal
*	8845.5	34.9	13.4	48.3	68.2	-19.9	Peak	Vertical
*	9636.0	33.3	15.6	48.9	68.2	-19.3	Peak	Vertical
	10843.0	34.6	17.7	52.3	74.0	-21.7	Peak	Vertical
	11846.0	33.7	16.9	50.6	74.0	-23.4	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT20	Test Channel:	36
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
*	8692.5	33.2	13.2	46.4	68.2	-21.8	Peak	Horizontal
*	9916.5	33.6	16.0	49.6	68.2	-18.6	Peak	Horizontal
	11064.0	34.8	17.7	52.5	74.0	-21.5	Peak	Horizontal
	11684.5	32.9	17.2	50.1	74.0	-23.9	Peak	Horizontal
*	8811.5	33.4	13.4	46.8	68.2	-21.4	Peak	Vertical
*	10231.0	34.2	16.6	50.8	68.2	-17.4	Peak	Vertical
	11021.5	33.9	17.8	51.7	74.0	-22.3	Peak	Vertical
	11727.0	34.9	17.2	52.1	74.0	-21.9	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT20	Test Channel:	44
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
*	8879.5	35.0	13.4	48.4	68.2	-19.8	Peak	Horizontal
*	10078.0	34.2	16.0	50.2	68.2	-18.0	Peak	Horizontal
	10902.5	34.4	17.9	52.3	74.0	-21.7	Peak	Horizontal
	12024.5	35.0	16.9	51.9	74.0	-22.1	Peak	Horizontal
*	8658.5	33.3	13.0	46.3	68.2	-21.9	Peak	Vertical
*	10282.0	33.8	16.7	50.5	68.2	-17.7	Peak	Vertical
	10868.5	34.1	17.8	51.9	74.0	-22.1	Peak	Vertical
	12305.0	34.4	17.0	51.4	74.0	-22.6	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT20	Test Channel:	48
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
*	8692.5	34.0	13.2	47.2	68.2	-21.0	Peak	Horizontal
*	10095.0	32.8	16.2	49.0	68.2	-19.2	Peak	Horizontal
	11633.5	34.9	17.2	52.1	74.0	-21.9	Peak	Horizontal
	12228.5	35.0	17.0	52.0	74.0	-22.0	Peak	Horizontal
*	8871.0	35.0	13.5	48.5	68.2	-19.7	Peak	Vertical
*	9882.5	34.0	16.1	50.1	68.2	-18.1	Peak	Vertical
	11140.5	34.1	17.6	51.7	74.0	-22.3	Peak	Vertical
	12101.0	34.7	17.1	51.8	74.0	-22.2	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT20	Test Channel:	52
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
*	8811.5	34.8	13.4	48.2	68.2	-20.0	Peak	Horizontal
*	10018.5	34.8	16.1	50.9	68.2	-17.3	Peak	Horizontal
	11421.0	35.8	17.7	53.5	74.0	-20.5	Peak	Horizontal
	12296.5	34.4	17.0	51.4	74.0	-22.6	Peak	Horizontal
*	8735.0	35.1	13.2	48.3	68.2	-19.9	Peak	Vertical
*	9772.0	34.3	15.9	50.2	68.2	-18.0	Peak	Vertical
	10970.5	33.6	17.9	51.5	74.0	-22.5	Peak	Vertical
	12075.5	35.1	17.0	52.1	74.0	-21.9	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT20	Test Channel:	60
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
*	8811.5	34.7	13.4	48.1	68.2	-20.1	Peak	Horizontal
*	10137.5	33.6	16.2	49.8	68.2	-18.4	Peak	Horizontal
	10987.5	34.1	17.8	51.9	74.0	-22.1	Peak	Horizontal
	12101.0	34.5	17.1	51.6	74.0	-22.4	Peak	Horizontal
*	8837.0	35.0	13.3	48.3	68.2	-19.9	Peak	Vertical
*	9959.0	34.6	16.0	50.6	68.2	-17.6	Peak	Vertical
	10826.0	34.9	17.6	52.5	74.0	-21.5	Peak	Vertical
	11489.0	34.1	17.7	51.8	74.0	-22.2	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT20	Test Channel:	64
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
*	8684.0	34.2	13.1	47.3	68.2	-20.9	Peak	Horizontal
*	9840.0	32.8	16.1	48.9	68.2	-19.3	Peak	Horizontal
	10826.0	32.7	17.6	50.3	74.0	-23.7	Peak	Horizontal
	11429.5	33.2	17.7	50.9	74.0	-23.1	Peak	Horizontal
*	8820.0	35.1	13.4	48.5	68.2	-19.7	Peak	Vertical
*	9993.0	32.8	16.1	48.9	68.2	-19.3	Peak	Vertical
	10987.5	34.4	17.8	52.2	74.0	-21.8	Peak	Vertical
	11506.0	34.9	17.6	52.5	74.0	-21.5	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT20	Test Channel:	100
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
*	8811.5	33.2	13.4	46.6	68.2	-21.6	Peak	Horizontal
*	10282.0	34.1	16.7	50.8	68.2	-17.4	Peak	Horizontal
	11072.5	33.3	17.8	51.1	74.0	-22.9	Peak	Horizontal
	12143.5	35.7	17.0	52.7	74.0	-21.3	Peak	Horizontal
*	8854.0	34.7	13.4	48.1	68.2	-20.1	Peak	Vertical
*	9916.5	33.8	16.0	49.8	68.2	-18.4	Peak	Vertical
	10894.0	32.7	17.9	50.6	74.0	-23.4	Peak	Vertical
	11421.0	35.1	17.7	52.8	74.0	-21.2	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT20	Test Channel:	116
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
*	7927.5	34.2	12.5	46.7	68.2	-21.5	Peak	Horizontal
*	8701.0	34.0	13.2	47.2	68.2	-21.0	Peak	Horizontal
	10928.0	34.3	18.0	52.3	74.0	-21.7	Peak	Horizontal
	11854.5	34.8	16.9	51.7	74.0	-22.3	Peak	Horizontal
*	8820.0	34.2	13.4	47.6	68.2	-20.6	Peak	Vertical
*	10120.5	33.6	16.2	49.8	68.2	-18.4	Peak	Vertical
	10894.0	34.0	17.9	51.9	74.0	-22.1	Peak	Vertical
	11378.5	34.9	17.6	52.5	74.0	-21.5	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT20	Test Channel:	120
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
*	8871.0	34.6	13.5	48.1	68.2	-20.1	Peak	Horizontal
*	9967.5	33.6	16.0	49.6	68.2	-18.6	Peak	Horizontal
	10783.5	33.3	17.5	50.8	74.0	-23.2	Peak	Horizontal
	11166.0	34.5	17.4	51.9	74.0	-22.1	Peak	Horizontal
*	8743.5	34.3	13.3	47.6	68.2	-20.6	Peak	Vertical
*	10044.0	33.9	16.1	50.0	68.2	-18.2	Peak	Vertical
	10962.0	34.2	18.0	52.2	74.0	-21.8	Peak	Vertical
	12075.5	35.3	17.0	52.3	74.0	-21.7	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT20	Test Channel:	140
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
*	8854.0	34.3	13.4	47.7	68.2	-20.5	Peak	Horizontal
*	10239.5	33.6	16.5	50.1	68.2	-18.1	Peak	Horizontal
	10877.0	33.7	17.8	51.5	74.0	-22.5	Peak	Horizontal
	11676.0	34.7	17.3	52.0	74.0	-22.0	Peak	Horizontal
*	8616.0	34.5	12.9	47.4	68.2	-20.8	Peak	Vertical
*	9882.5	33.9	16.1	50.0	68.2	-18.2	Peak	Vertical
	11021.5	34.9	17.8	52.7	74.0	-21.3	Peak	Vertical
	12237.0	35.3	17.1	52.4	74.0	-21.6	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT20	Test Channel:	144
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
*	8743.5	32.8	13.3	46.1	68.2	-22.1	Peak	Horizontal
*	10112.0	34.2	16.3	50.5	68.2	-17.7	Peak	Horizontal
	11242.5	33.6	17.4	51.0	74.0	-23.0	Peak	Horizontal
	12024.5	35.0	16.9	51.9	74.0	-22.1	Peak	Horizontal
*	8718.0	34.5	13.2	47.7	68.2	-20.5	Peak	Vertical
*	9831.5	33.3	16.1	49.4	68.2	-18.8	Peak	Vertical
	11030.0	34.2	17.8	52.0	74.0	-22.0	Peak	Vertical
	11965.0	35.3	16.8	52.1	74.0	-21.9	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT20	Test Channel:	149
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
*	8735.0	33.6	13.2	46.8	68.2	-21.4	Peak	Horizontal
*	9933.5	33.8	16.1	49.9	68.2	-18.3	Peak	Horizontal
	10894.0	34.3	17.9	52.2	74.0	-21.8	Peak	Horizontal
	11548.5	35.8	17.6	53.4	74.0	-20.6	Peak	Horizontal
*	8726.5	32.7	13.2	45.9	68.2	-22.3	Peak	Vertical
*	10341.5	34.1	16.8	50.9	68.2	-17.3	Peak	Vertical
	11081.0	34.1	17.9	52.0	74.0	-22.0	Peak	Vertical
	12007.5	33.1	16.9	50.0	74.0	-24.0	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT20	Test Channel:	157
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
*	8820.0	34.3	13.4	47.7	68.2	-20.5	Peak	Horizontal
*	10231.0	32.7	16.6	49.3	68.2	-18.9	Peak	Horizontal
	10868.5	33.9	17.8	51.7	74.0	-22.3	Peak	Horizontal
	11480.5	34.6	17.7	52.3	74.0	-21.7	Peak	Horizontal
*	8769.0	33.1	13.4	46.5	68.2	-21.7	Peak	Vertical
*	10044.0	34.3	16.1	50.4	68.2	-17.8	Peak	Vertical
	11021.5	33.0	17.8	50.8	74.0	-23.2	Peak	Vertical
	11480.5	35.2	17.7	52.9	74.0	-21.1	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT20	Test Channel:	165
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
*	8769.0	33.5	13.4	46.9	68.2	-21.3	Peak	Horizontal
*	9882.5	33.7	16.1	49.8	68.2	-18.4	Peak	Horizontal
	11047.0	34.6	17.7	52.3	74.0	-21.7	Peak	Horizontal
	11922.5	36.4	16.8	53.2	74.0	-20.8	Peak	Horizontal
*	8854.0	34.5	13.4	47.9	68.2	-20.3	Peak	Vertical
*	10375.5	33.9	16.9	50.8	68.2	-17.4	Peak	Vertical
	11217.0	34.5	17.4	51.9	74.0	-22.1	Peak	Vertical
	12126.5	34.3	17.0	51.3	74.0	-22.7	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT40	Test Channel:	38
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
*	8811.5	34.4	13.4	47.8	68.2	-20.4	Peak	Horizontal
*	9899.5	33.1	16.1	49.2	68.2	-19.0	Peak	Horizontal
	11157.5	34.8	17.6	52.4	74.0	-21.6	Peak	Horizontal
	12084.0	35.3	16.9	52.2	74.0	-21.8	Peak	Horizontal
*	7927.5	33.8	12.5	46.3	68.2	-21.9	Peak	Vertical
*	10112.0	33.5	16.3	49.8	68.2	-18.4	Peak	Vertical
	11098.0	35.0	17.6	52.6	74.0	-21.4	Peak	Vertical
	12135.0	35.5	17.0	52.5	74.0	-21.5	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT40	Test Channel:	46
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
*	8743.5	34.4	13.3	47.7	68.2	-20.5	Peak	Horizontal
*	9746.5	32.7	15.8	48.5	68.2	-19.7	Peak	Horizontal
	10919.5	34.1	18.0	52.1	74.0	-21.9	Peak	Horizontal
	11676.0	34.8	17.3	52.1	74.0	-21.9	Peak	Horizontal
*	8794.5	35.2	13.3	48.5	68.2	-19.7	Peak	Vertical
*	9857.0	32.3	16.0	48.3	68.2	-19.9	Peak	Vertical
	11174.5	32.5	17.4	49.9	74.0	-24.1	Peak	Vertical
	11659.0	34.6	17.5	52.1	74.0	-21.9	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT40	Test Channel:	54
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
*	8641.5	34.5	13.1	47.6	68.2	-20.6	Peak	Horizontal
*	9636.0	34.6	15.6	50.2	68.2	-18.0	Peak	Horizontal
	11081.0	34.3	17.9	52.2	74.0	-21.8	Peak	Horizontal
	12245.5	34.6	17.0	51.6	74.0	-22.4	Peak	Horizontal
*	8718.0	35.0	13.2	48.2	68.2	-20.0	Peak	Vertical
*	10222.5	33.8	16.5	50.3	68.2	-17.9	Peak	Vertical
	10928.0	34.3	18.0	52.3	74.0	-21.7	Peak	Vertical
	12279.5	35.1	16.9	52.0	74.0	-22.0	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT40	Test Channel:	62
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
*	8709.5	34.4	13.2	47.6	68.2	-20.6	Peak	Horizontal
*	9797.5	33.4	15.9	49.3	68.2	-18.9	Peak	Horizontal
	11276.5	32.6	17.5	50.1	74.0	-23.9	Peak	Horizontal
	12126.5	34.8	17.0	51.8	74.0	-22.2	Peak	Horizontal
*	8760.5	35.3	13.3	48.6	68.2	-19.6	Peak	Vertical
*	10052.5	33.9	16.1	50.0	68.2	-18.2	Peak	Vertical
	11030.0	34.6	17.8	52.4	74.0	-21.6	Peak	Vertical
	12254.0	35.5	17.0	52.5	74.0	-21.5	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT40	Test Channel:	102
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
*	8667.0	33.7	13.0	46.7	68.2	-21.5	Peak	Horizontal
*	10078.0	32.6	16.0	48.6	68.2	-19.6	Peak	Horizontal
	11149.0	35.1	17.7	52.8	74.0	-21.2	Peak	Horizontal
	11897.0	32.8	16.9	49.7	74.0	-24.3	Peak	Horizontal
*	8879.5	34.9	13.4	48.3	68.2	-19.9	Peak	Vertical
*	10163.0	34.0	16.5	50.5	68.2	-17.7	Peak	Vertical
	10928.0	32.6	18.0	50.6	74.0	-23.4	Peak	Vertical
	11744.0	35.3	16.9	52.2	74.0	-21.8	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT40	Test Channel:	110
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
*	8692.5	34.7	13.2	47.9	68.2	-20.3	Peak	Horizontal
*	10171.5	32.3	16.4	48.7	68.2	-19.5	Peak	Horizontal
	10826.0	33.0	17.6	50.6	74.0	-23.4	Peak	Horizontal
	11769.5	35.0	17.1	52.1	74.0	-21.9	Peak	Horizontal
*	8718.0	33.9	13.2	47.1	68.2	-21.1	Peak	Vertical
*	9950.5	34.2	16.1	50.3	68.2	-17.9	Peak	Vertical
	11021.5	33.9	17.8	51.7	74.0	-22.3	Peak	Vertical
	12118.0	34.2	17.1	51.3	74.0	-22.7	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT40	Test Channel:	118
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
*	8896.5	35.2	13.3	48.5	68.2	-19.7	Peak	Horizontal
*	10129.0	34.2	16.2	50.4	68.2	-17.8	Peak	Horizontal
	11174.5	35.3	17.4	52.7	74.0	-21.3	Peak	Horizontal
	11718.5	35.9	17.2	53.1	74.0	-20.9	Peak	Horizontal
*	8828.5	34.4	13.4	47.8	68.2	-20.4	Peak	Vertical
*	10154.5	34.4	16.4	50.8	68.2	-17.4	Peak	Vertical
	11021.5	34.3	17.8	52.1	74.0	-21.9	Peak	Vertical
	11897.0	34.7	16.9	51.6	74.0	-22.4	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT40	Test Channel:	134
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
*	8828.5	32.8	13.4	46.2	68.2	-22.0	Peak	Horizontal
*	9857.0	32.8	16.0	48.8	68.2	-19.4	Peak	Horizontal
	10792.0	34.9	17.5	52.4	74.0	-21.6	Peak	Horizontal
	11667.5	35.6	17.4	53.0	74.0	-21.0	Peak	Horizontal
*	7842.5	32.9	12.1	45.0	68.2	-23.2	Peak	Vertical
*	8752.0	35.5	13.3	48.8	68.2	-19.4	Peak	Vertical
	10851.5	34.2	17.8	52.0	74.0	-22.0	Peak	Vertical
	11684.5	34.2	17.2	51.4	74.0	-22.6	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT40	Test Channel:	142
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
*	8820.0	34.5	13.4	47.9	68.2	-20.3	Peak	Horizontal
*	9814.5	32.0	16.0	48.0	68.2	-20.2	Peak	Horizontal
	10783.5	32.9	17.5	50.4	74.0	-23.6	Peak	Horizontal
	11948.0	33.2	16.9	50.1	74.0	-23.9	Peak	Horizontal
*	8845.5	34.4	13.4	47.8	68.2	-20.4	Peak	Vertical
*	10146.0	34.8	16.2	51.0	68.2	-17.2	Peak	Vertical
	10783.5	34.0	17.5	51.5	74.0	-22.5	Peak	Vertical
	11871.5	35.2	16.8	52.0	74.0	-22.0	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT40	Test Channel:	151
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
*	8701.0	34.0	13.2	47.2	68.2	-21.0	Peak	Horizontal
*	10018.5	34.9	16.1	51.0	68.2	-17.2	Peak	Horizontal
	10996.0	34.8	17.8	52.6	74.0	-21.4	Peak	Horizontal
	11514.5	34.6	17.6	52.2	74.0	-21.8	Peak	Horizontal
*	8854.0	35.2	13.4	48.6	68.2	-19.6	Peak	Vertical
*	10027.0	31.8	16.0	47.8	68.2	-20.4	Peak	Vertical
	10758.0	34.3	17.4	51.7	74.0	-22.3	Peak	Vertical
	11786.5	34.8	17.1	51.9	74.0	-22.1	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT40	Test Channel:	159
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
*	8922.0	35.5	13.4	48.9	68.2	-19.3	Peak	Horizontal
*	10027.0	33.9	16.0	49.9	68.2	-18.3	Peak	Horizontal
	10987.5	33.9	17.8	51.7	74.0	-22.3	Peak	Horizontal
	12220.0	34.4	17.0	51.4	74.0	-22.6	Peak	Horizontal
*	8692.5	33.8	13.2	47.0	68.2	-21.2	Peak	Vertical
*	9678.5	32.4	15.4	47.8	68.2	-20.4	Peak	Vertical
	11140.5	36.0	17.6	53.6	74.0	-20.4	Peak	Vertical
	11642.0	34.8	17.2	52.0	74.0	-22.0	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT20	Test Channel:	36
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
*	8616.0	34.2	12.9	47.1	68.2	-21.1	Peak	Horizontal
*	9908.0	33.0	16.0	49.0	68.2	-19.2	Peak	Horizontal
	10877.0	33.8	17.8	51.6	74.0	-22.4	Peak	Horizontal
	11752.5	35.4	16.9	52.3	74.0	-21.7	Peak	Horizontal
*	8658.5	34.1	13.0	47.1	68.2	-21.1	Peak	Vertical
*	9848.5	34.2	16.1	50.3	68.2	-17.9	Peak	Vertical
	11081.0	33.9	17.9	51.8	74.0	-22.2	Peak	Vertical
	11948.0	33.2	16.9	50.1	74.0	-23.9	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT20	Test Channel:	44
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
*	8735.0	33.6	13.2	46.8	68.2	-21.4	Peak	Horizontal
*	10222.5	32.6	16.5	49.1	68.2	-19.1	Peak	Horizontal
	10826.0	33.1	17.6	50.7	74.0	-23.3	Peak	Horizontal
	11735.5	32.9	17.0	49.9	74.0	-24.1	Peak	Horizontal
*	8735.0	34.1	13.2	47.3	68.2	-20.9	Peak	Vertical
*	10001.5	33.9	16.1	50.0	68.2	-18.2	Peak	Vertical
	10987.5	34.7	17.8	52.5	74.0	-21.5	Peak	Vertical
	11710.0	35.2	17.2	52.4	74.0	-21.6	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11n-HT20	Test Channel:	48
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
*	8735.0	34.9	13.2	48.1	68.2	-20.1	Peak	Horizontal
*	10078.0	34.4	16.0	50.4	68.2	-17.8	Peak	Horizontal
	11548.5	34.6	17.6	52.2	74.0	-21.8	Peak	Horizontal
	12543.0	34.6	16.7	51.3	74.0	-22.7	Peak	Horizontal
*	8845.5	34.6	13.4	48.0	68.2	-20.2	Peak	Vertical
*	9772.0	32.3	15.9	48.2	68.2	-20.0	Peak	Vertical
	10826.0	33.5	17.6	51.1	74.0	-22.9	Peak	Vertical
	11582.5	33.3	17.6	50.9	74.0	-23.1	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT20	Test Channel:	52
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
*	8820.0	34.9	13.4	48.3	68.2	-19.9	Peak	Horizontal
*	10103.5	34.1	16.3	50.4	68.2	-17.8	Peak	Horizontal
	11013.0	33.8	17.8	51.6	74.0	-22.4	Peak	Horizontal
	12067.0	35.2	17.0	52.2	74.0	-21.8	Peak	Horizontal
*	9899.5	33.6	16.1	49.7	68.2	-18.5	Peak	Vertical
*	10375.5	34.4	16.9	51.3	68.2	-16.9	Peak	Vertical
	11225.5	34.8	17.4	52.2	74.0	-21.8	Peak	Vertical
	11846.0	33.8	16.9	50.7	74.0	-23.3	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT20	Test Channel:	60
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
*	8811.5	34.7	13.4	48.1	68.2	-20.1	Peak	Horizontal
*	10120.5	33.4	16.2	49.6	68.2	-18.6	Peak	Horizontal
	11268.0	35.6	17.6	53.2	74.0	-20.8	Peak	Horizontal
	11523.0	35.2	17.6	52.8	74.0	-21.2	Peak	Horizontal
*	8692.5	33.7	13.2	46.9	68.2	-21.3	Peak	Vertical
*	10129.0	36.0	16.2	52.2	68.2	-16.0	Peak	Vertical
	11038.5	33.9	17.8	51.7	74.0	-22.3	Peak	Vertical
	12109.5	33.0	17.1	50.1	74.0	-23.9	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT20	Test Channel:	64
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
*	8743.5	35.5	13.3	48.8	68.2	-19.4	Peak	Horizontal
*	10324.5	34.1	16.7	50.8	68.2	-17.4	Peak	Horizontal
	10979.0	34.0	17.9	51.9	74.0	-22.1	Peak	Horizontal
	12109.5	34.4	17.1	51.5	74.0	-22.5	Peak	Horizontal
*	8794.5	34.4	13.3	47.7	68.2	-20.5	Peak	Vertical
*	9993.0	33.6	16.1	49.7	68.2	-18.5	Peak	Vertical
	10928.0	33.4	18.0	51.4	74.0	-22.6	Peak	Vertical
	12067.0	35.1	17.0	52.1	74.0	-21.9	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT20	Test Channel:	100
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
*	9933.5	33.6	16.1	49.7	68.2	-18.5	Peak	Horizontal
*	10367.0	34.2	16.9	51.1	68.2	-17.1	Peak	Horizontal
	10877.0	33.8	17.8	51.6	74.0	-22.4	Peak	Horizontal
	11948.0	34.5	16.9	51.4	74.0	-22.6	Peak	Horizontal
*	8701.0	34.5	13.2	47.7	68.2	-20.5	Peak	Vertical
*	9950.5	34.3	16.1	50.4	68.2	-17.8	Peak	Vertical
	10911.0	34.2	17.9	52.1	74.0	-21.9	Peak	Vertical
	11880.0	34.9	16.9	51.8	74.0	-22.2	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT20	Test Channel:	116
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
*	8607.5	35.7	12.9	48.6	68.2	-19.6	Peak	Horizontal
*	10154.5	34.0	16.4	50.4	68.2	-17.8	Peak	Horizontal
	10979.0	33.8	17.9	51.7	74.0	-22.3	Peak	Horizontal
	11659.0	35.0	17.5	52.5	74.0	-21.5	Peak	Horizontal
*	9772.0	33.4	15.9	49.3	68.2	-18.9	Peak	Vertical
*	10503.0	34.5	17.3	51.8	68.2	-16.4	Peak	Vertical
	11183.0	34.4	17.4	51.8	74.0	-22.2	Peak	Vertical
	12067.0	35.0	17.0	52.0	74.0	-22.0	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT20	Test Channel:	120
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
*	8709.5	34.6	13.2	47.8	68.2	-20.4	Peak	Horizontal
*	10494.5	33.4	17.2	50.6	68.2	-17.6	Peak	Horizontal
	11353.0	34.9	17.6	52.5	74.0	-21.5	Peak	Horizontal
	12449.5	35.5	16.6	52.1	74.0	-21.9	Peak	Horizontal
*	7953.0	34.8	12.5	47.3	68.2	-20.9	Peak	Vertical
*	9840.0	33.7	16.1	49.8	68.2	-18.4	Peak	Vertical
	10877.0	33.1	17.8	50.9	74.0	-23.1	Peak	Vertical
	11599.5	33.4	17.6	51.0	74.0	-23.0	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT20	Test Channel:	140
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
*	8692.5	33.7	13.2	46.9	68.2	-21.3	Peak	Horizontal
*	10248.0	33.2	16.5	49.7	68.2	-18.5	Peak	Horizontal
	10979.0	34.7	17.9	52.6	74.0	-21.4	Peak	Horizontal
	11752.5	34.9	16.9	51.8	74.0	-22.2	Peak	Horizontal
*	8871.0	35.0	13.5	48.5	68.2	-19.7	Peak	Vertical
*	10171.5	35.0	16.4	51.4	68.2	-16.8	Peak	Vertical
	10962.0	34.3	18.0	52.3	74.0	-21.7	Peak	Vertical
	12092.5	34.8	17.0	51.8	74.0	-22.2	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT20	Test Channel:	144
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
*	8735.0	33.3	13.2	46.5	68.2	-21.7	Peak	Horizontal
*	9797.5	33.9	15.9	49.8	68.2	-18.4	Peak	Horizontal
	10945.0	33.5	18.0	51.5	74.0	-22.5	Peak	Horizontal
	11506.0	35.1	17.6	52.7	74.0	-21.3	Peak	Horizontal
*	8692.5	34.5	13.2	47.7	68.2	-20.5	Peak	Vertical
*	10163.0	33.9	16.5	50.4	68.2	-17.8	Peak	Vertical
	11013.0	33.8	17.8	51.6	74.0	-22.4	Peak	Vertical
	12330.5	35.2	16.7	51.9	74.0	-22.1	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT20	Test Channel:	149
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
*	8735.0	32.8	13.2	46.0	68.2	-22.2	Peak	Horizontal
*	10367.0	34.0	16.9	50.9	68.2	-17.3	Peak	Horizontal
	10962.0	34.2	18.0	52.2	74.0	-21.8	Peak	Horizontal
	11956.5	34.5	16.9	51.4	74.0	-22.6	Peak	Horizontal
*	8769.0	33.3	13.4	46.7	68.2	-21.5	Peak	Vertical
*	9993.0	31.9	16.1	48.0	68.2	-20.2	Peak	Vertical
	11276.5	35.1	17.5	52.6	74.0	-21.4	Peak	Vertical
	12203.0	34.7	17.0	51.7	74.0	-22.3	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT20	Test Channel:	157
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
*	7910.5	33.9	12.4	46.3	68.2	-21.9	Peak	Horizontal
*	9610.5	34.3	15.3	49.6	68.2	-18.6	Peak	Horizontal
	10766.5	34.1	17.5	51.6	74.0	-22.4	Peak	Horizontal
	11463.5	34.2	17.8	52.0	74.0	-22.0	Peak	Horizontal
*	8760.5	35.1	13.3	48.4	68.2	-19.8	Peak	Vertical
*	10282.0	33.2	16.7	49.9	68.2	-18.3	Peak	Vertical
	11072.5	33.0	17.8	50.8	74.0	-23.2	Peak	Vertical
	11803.5	34.1	16.9	51.0	74.0	-23.0	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT20	Test Channel:	165
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
*	8709.5	34.2	13.2	47.4	68.2	-20.8	Peak	Horizontal
*	10222.5	33.0	16.5	49.5	68.2	-18.7	Peak	Horizontal
	11021.5	33.5	17.8	51.3	74.0	-22.7	Peak	Horizontal
	11795.0	34.8	17.0	51.8	74.0	-22.2	Peak	Horizontal
*	8828.5	35.4	13.4	48.8	68.2	-19.4	Peak	Vertical
*	9678.5	32.6	15.4	48.0	68.2	-20.2	Peak	Vertical
	11030.0	33.2	17.8	51.0	74.0	-23.0	Peak	Vertical
	11939.5	34.2	16.9	51.1	74.0	-22.9	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT40	Test Channel:	38
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
*	8701.0	33.7	13.2	46.9	68.2	-21.3	Peak	Horizontal
*	9899.5	33.8	16.1	49.9	68.2	-18.3	Peak	Horizontal
	10851.5	33.4	17.8	51.2	74.0	-22.8	Peak	Horizontal
	11633.5	34.7	17.2	51.9	74.0	-22.1	Peak	Horizontal
*	9933.5	32.7	16.1	48.8	68.2	-19.4	Peak	Vertical
*	10520.0	34.9	17.1	52.0	68.2	-16.2	Peak	Vertical
	10885.5	32.4	17.8	50.2	74.0	-23.8	Peak	Vertical
	12109.5	34.4	17.1	51.5	74.0	-22.5	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT40	Test Channel:	46
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
*	8760.5	33.7	13.3	47.0	68.2	-21.2	Peak	Horizontal
*	10333.0	34.1	16.8	50.9	68.2	-17.3	Peak	Horizontal
	10979.0	33.6	17.9	51.5	74.0	-22.5	Peak	Horizontal
	11531.5	34.7	17.6	52.3	74.0	-21.7	Peak	Horizontal
*	8701.0	35.4	13.2	48.6	68.2	-19.6	Peak	Vertical
*	10358.5	33.6	16.8	50.4	68.2	-17.8	Peak	Vertical
	11004.5	34.5	17.8	52.3	74.0	-21.7	Peak	Vertical
	11642.0	35.0	17.2	52.2	74.0	-21.8	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT40	Test Channel:	54
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
*	8777.5	34.2	13.3	47.5	68.2	-20.7	Peak	Horizontal
*	10061.0	34.4	16.1	50.5	68.2	-17.7	Peak	Horizontal
	10877.0	33.7	17.8	51.5	74.0	-22.5	Peak	Horizontal
	11999.0	35.2	16.9	52.1	74.0	-21.9	Peak	Horizontal
*	8828.5	34.6	13.4	48.0	68.2	-20.2	Peak	Vertical
*	9933.5	33.1	16.1	49.2	68.2	-19.0	Peak	Vertical
	10987.5	33.2	17.8	51.0	74.0	-23.0	Peak	Vertical
	12211.5	34.8	17.0	51.8	74.0	-22.2	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT40	Test Channel:	62
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
*	8743.5	34.0	13.3	47.3	68.2	-20.9	Peak	Horizontal
*	10044.0	33.1	16.1	49.2	68.2	-19.0	Peak	Horizontal
	11021.5	33.9	17.8	51.7	74.0	-22.3	Peak	Horizontal
	11897.0	33.3	16.9	50.2	74.0	-23.8	Peak	Horizontal
*	8811.5	33.5	13.4	46.9	68.2	-21.3	Peak	Vertical
*	9857.0	32.9	16.0	48.9	68.2	-19.3	Peak	Vertical
	11140.5	34.0	17.6	51.6	74.0	-22.4	Peak	Vertical
	11795.0	34.7	17.0	51.7	74.0	-22.3	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT40	Test Channel:	102
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
*	8871.0	35.0	13.5	48.5	68.2	-19.7	Peak	Horizontal
*	10120.5	33.9	16.2	50.1	68.2	-18.1	Peak	Horizontal
	10877.0	33.8	17.8	51.6	74.0	-22.4	Peak	Horizontal
	11718.5	34.2	17.2	51.4	74.0	-22.6	Peak	Horizontal
*	7919.0	35.0	12.4	47.4	68.2	-20.8	Peak	Vertical
*	9780.5	34.0	15.8	49.8	68.2	-18.4	Peak	Vertical
	10732.5	33.0	17.3	50.3	74.0	-23.7	Peak	Vertical
	11548.5	34.7	17.6	52.3	74.0	-21.7	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT40	Test Channel:	110
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
*	8709.5	33.7	13.2	46.9	68.2	-21.3	Peak	Horizontal
*	9823.0	32.7	16.0	48.7	68.2	-19.5	Peak	Horizontal
	10928.0	32.8	18.0	50.8	74.0	-23.2	Peak	Horizontal
	11769.5	35.0	17.1	52.1	74.0	-21.9	Peak	Horizontal
*	8828.5	34.8	13.4	48.2	68.2	-20.0	Peak	Vertical
*	9933.5	33.0	16.1	49.1	68.2	-19.1	Peak	Vertical
	10851.5	34.2	17.8	52.0	74.0	-22.0	Peak	Vertical
	11582.5	33.0	17.6	50.6	74.0	-23.4	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT40	Test Channel:	118
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
*	8820.0	34.5	13.4	47.9	68.2	-20.3	Peak	Horizontal
*	10120.5	34.1	16.2	50.3	68.2	-17.9	Peak	Horizontal
	10877.0	33.6	17.8	51.4	74.0	-22.6	Peak	Horizontal
	11523.0	35.0	17.6	52.6	74.0	-21.4	Peak	Horizontal
*	8854.0	33.4	13.4	46.8	68.2	-21.4	Peak	Vertical
*	10103.5	34.2	16.3	50.5	68.2	-17.7	Peak	Vertical
	10741.0	35.4	17.4	52.8	74.0	-21.2	Peak	Vertical
	11608.0	34.8	17.5	52.3	74.0	-21.7	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT40	Test Channel:	134
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
*	8692.5	34.7	13.2	47.9	68.2	-20.3	Peak	Horizontal
*	9933.5	34.0	16.1	50.1	68.2	-18.1	Peak	Horizontal
	11140.5	34.4	17.6	52.0	74.0	-22.0	Peak	Horizontal
	12118.0	34.4	17.1	51.5	74.0	-22.5	Peak	Horizontal
*	10401.0	33.6	16.8	50.4	68.2	-17.8	Peak	Vertical
*	10545.5	35.7	17.3	53.0	68.2	-15.2	Peak	Vertical
	11149.0	34.3	17.7	52.0	74.0	-22.0	Peak	Vertical
	11514.5	34.5	17.6	52.1	74.0	-21.9	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT40	Test Channel:	142
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
*	8777.5	34.7	13.3	48.0	68.2	-20.2	Peak	Horizontal
*	10086.5	33.9	16.1	50.0	68.2	-18.2	Peak	Horizontal
	10962.0	33.7	18.0	51.7	74.0	-22.3	Peak	Horizontal
	11752.5	34.6	16.9	51.5	74.0	-22.5	Peak	Horizontal
*	8854.0	33.4	13.4	46.8	68.2	-21.4	Peak	Vertical
*	9857.0	32.6	16.0	48.6	68.2	-19.6	Peak	Vertical
	10902.5	33.5	17.9	51.4	74.0	-22.6	Peak	Vertical
	11531.5	35.4	17.6	53.0	74.0	-21.0	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT40	Test Channel:	151
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
*	7842.5	35.1	12.1	47.2	68.2	-21.0	Peak	Horizontal
*	9993.0	34.4	16.1	50.5	68.2	-17.7	Peak	Horizontal
	11072.5	33.2	17.8	51.0	74.0	-23.0	Peak	Horizontal
	11761.0	34.8	16.9	51.7	74.0	-22.3	Peak	Horizontal
*	8658.5	34.6	13.0	47.6	68.2	-20.6	Peak	Vertical
*	10350.0	33.7	16.8	50.5	68.2	-17.7	Peak	Vertical
	10953.5	33.9	18.0	51.9	74.0	-22.1	Peak	Vertical
	12228.5	35.6	17.0	52.6	74.0	-21.4	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT40	Test Channel:	159
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
*	9568.0	33.3	15.5	48.8	68.2	-19.4	Peak	Horizontal
*	10137.5	33.9	16.2	50.1	68.2	-18.1	Peak	Horizontal
	11489.0	34.3	17.7	52.0	74.0	-22.0	Peak	Horizontal
	12262.5	34.6	16.9	51.5	74.0	-22.5	Peak	Horizontal
*	8760.5	34.1	13.3	47.4	68.2	-20.8	Peak	Vertical
*	9950.5	34.3	16.1	50.4	68.2	-17.8	Peak	Vertical
	10979.0	33.8	17.9	51.7	74.0	-22.3	Peak	Vertical
	11514.5	35.0	17.6	52.6	74.0	-21.4	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT80	Test Channel:	42
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
*	9772.0	33.8	15.9	49.7	68.2	-18.5	Peak	Horizontal
*	10333.0	33.1	16.8	49.9	68.2	-18.3	Peak	Horizontal
	11378.5	34.9	17.6	52.5	74.0	-21.5	Peak	Horizontal
	12058.5	33.7	17.0	50.7	74.0	-23.3	Peak	Horizontal
*	8769.0	35.0	13.4	48.4	68.2	-19.8	Peak	Vertical
*	9908.0	33.7	16.0	49.7	68.2	-18.5	Peak	Vertical
	11140.5	33.8	17.6	51.4	74.0	-22.6	Peak	Vertical
	12024.5	34.6	16.9	51.5	74.0	-22.5	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT80	Test Channel:	58
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
*	8760.5	33.2	13.3	46.5	68.2	-21.7	Peak	Horizontal
*	9899.5	32.6	16.1	48.7	68.2	-19.5	Peak	Horizontal
	10928.0	32.5	18.0	50.5	74.0	-23.5	Peak	Horizontal
	11421.0	35.0	17.7	52.7	74.0	-21.3	Peak	Horizontal
*	8735.0	33.5	13.2	46.7	68.2	-21.5	Peak	Vertical
*	10120.5	34.2	16.2	50.4	68.2	-17.8	Peak	Vertical
	10902.5	35.2	17.9	53.1	74.0	-20.9	Peak	Vertical
	12288.0	34.6	17.0	51.6	74.0	-22.4	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT80	Test Channel:	106
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
*	8828.5	34.1	13.4	47.5	68.2	-20.7	Peak	Horizontal
*	9865.5	34.4	16.1	50.5	68.2	-17.7	Peak	Horizontal
	11030.0	34.1	17.8	51.9	74.0	-22.1	Peak	Horizontal
	11786.5	35.5	17.1	52.6	74.0	-21.4	Peak	Horizontal
*	8692.5	34.5	13.2	47.7	68.2	-20.5	Peak	Vertical
*	9772.0	33.9	15.9	49.8	68.2	-18.4	Peak	Vertical
	10911.0	33.8	17.9	51.7	74.0	-22.3	Peak	Vertical
	11480.5	34.1	17.7	51.8	74.0	-22.2	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT80	Test Channel:	122
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
*	8709.5	34.8	13.2	48.0	68.2	-20.2	Peak	Horizontal
*	10044.0	33.4	16.1	49.5	68.2	-18.7	Peak	Horizontal
	11038.5	34.6	17.8	52.4	74.0	-21.6	Peak	Horizontal
	11948.0	34.2	16.9	51.1	74.0	-22.9	Peak	Horizontal
*	8692.5	34.7	13.2	47.9	68.2	-20.3	Peak	Vertical
*	9772.0	32.3	15.9	48.2	68.2	-20.0	Peak	Vertical
	10928.0	33.9	18.0	51.9	74.0	-22.1	Peak	Vertical
	12084.0	35.2	16.9	52.1	74.0	-21.9	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT80	Test Channel:	138
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
*	8769.0	33.6	13.4	47.0	68.2	-21.2	Peak	Horizontal
*	10171.5	32.8	16.4	49.2	68.2	-19.0	Peak	Horizontal
	11497.5	35.5	17.6	53.1	74.0	-20.9	Peak	Horizontal
	11888.5	36.1	16.9	53.0	74.0	-21.0	Peak	Horizontal
*	8718.0	32.9	13.2	46.1	68.2	-22.1	Peak	Vertical
*	10197.0	34.6	16.2	50.8	68.2	-17.4	Peak	Vertical
	10877.0	32.6	17.8	50.4	74.0	-23.6	Peak	Vertical
	11455.0	34.4	17.7	52.1	74.0	-21.9	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)

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC2	Test Date	2019/05/07
Test Mode:	802.11ac-VHT80	Test Channel:	155
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
*	8658.5	33.5	13.0	46.5	68.2	-21.7	Peak	Horizontal
*	9865.5	33.4	16.1	49.5	68.2	-18.7	Peak	Horizontal
	10962.0	33.7	18.0	51.7	74.0	-22.3	Peak	Horizontal
	11514.5	35.0	17.6	52.6	74.0	-21.4	Peak	Horizontal
*	8837.0	35.0	13.3	48.3	68.2	-19.9	Peak	Vertical
*	9899.5	32.8	16.1	48.9	68.2	-19.3	Peak	Vertical
	11038.5	33.7	17.8	51.5	74.0	-22.5	Peak	Vertical
	12058.5	33.8	17.0	50.8	74.0	-23.2	Peak	Vertical

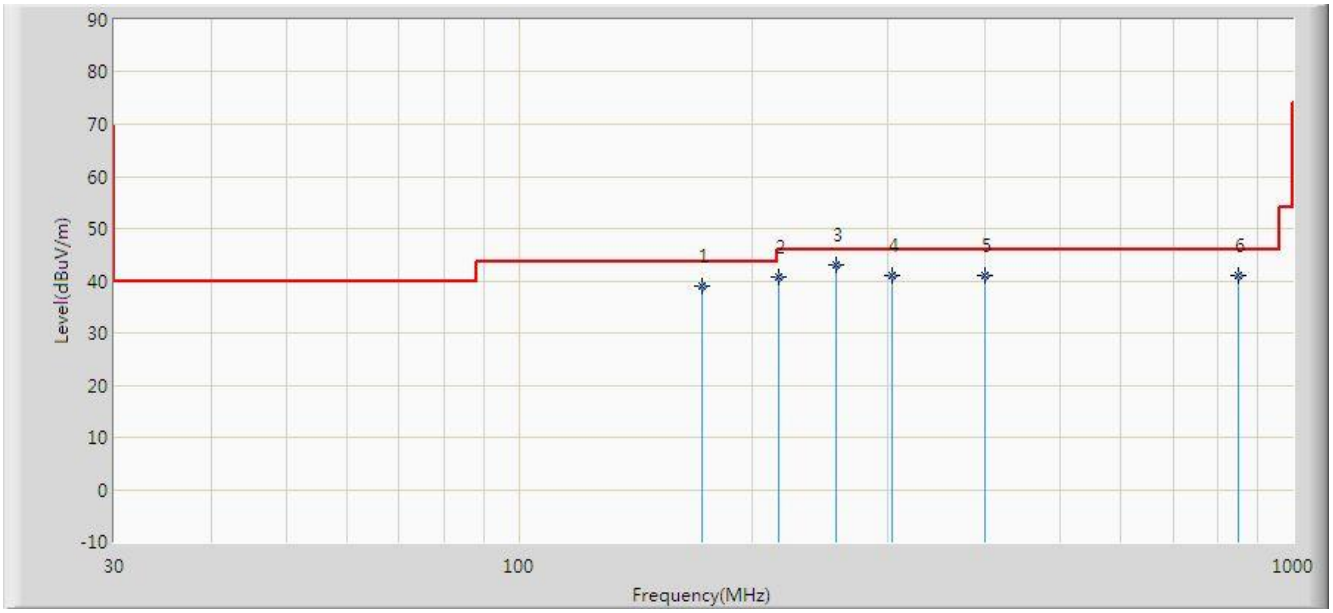
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The Worst Case of Radiated Emission below 1GHz:

Site: AC2	Time: 2019/05/23 - 15:01
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dandy Li
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Worst case Mode: Transmit by 802.11a at channel 5180MHz	



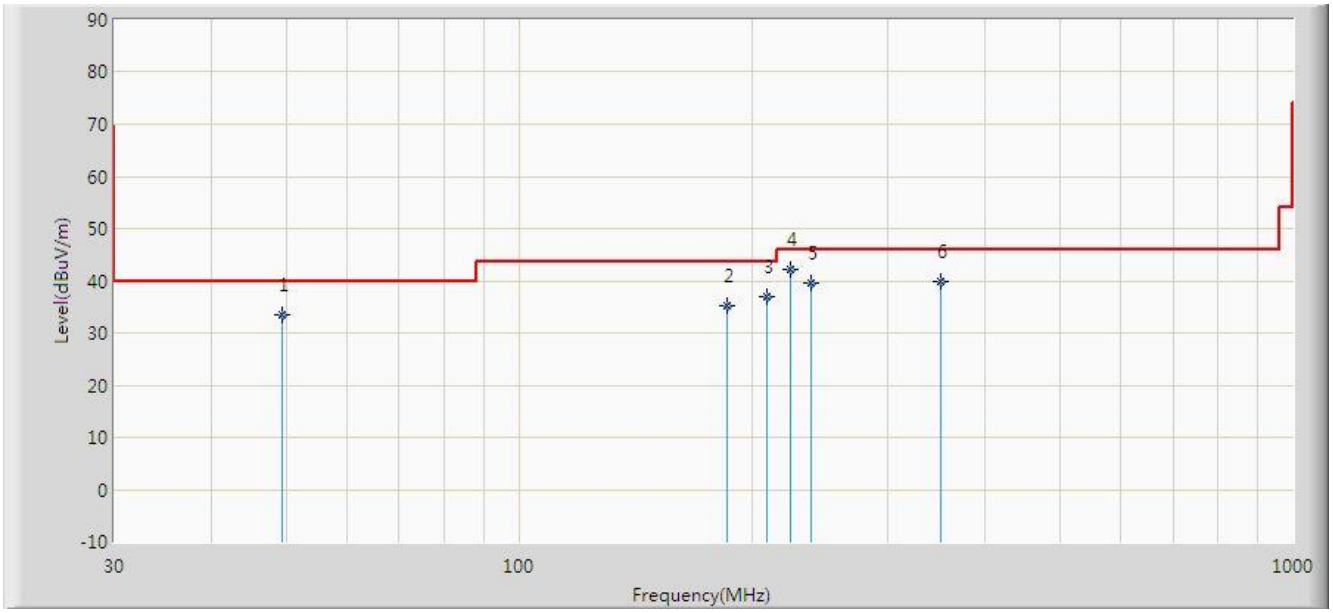
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			172.105	39.102	28.908	-4.398	43.500	10.194	QP
2			216.725	40.705	28.329	-5.295	46.000	12.376	QP
3		*	256.980	42.909	29.307	-3.091	46.000	13.602	QP
4			304.025	40.952	26.543	-5.048	46.000	14.408	QP
5			400.055	41.035	24.634	-4.965	46.000	16.401	QP
6			849.650	41.010	17.900	-4.990	46.000	23.110	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

Site: AC2	Time: 2019/05/23 - 15:01
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dandy Li
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Worst case Mode: Transmit by 802.11a at channel 5180MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			49.400	33.616	18.763	-6.384	40.000	14.853	QP
2			186.170	35.093	23.808	-8.407	43.500	11.285	QP
3			209.450	36.852	24.621	-6.648	43.500	12.231	QP
4		*	224.000	42.307	29.702	-3.693	46.000	12.605	QP
5			238.065	39.591	26.452	-6.409	46.000	13.139	QP
6			350.100	39.980	24.411	-6.020	46.000	15.568	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

7.5. Radiated Restricted Band Edge Measurement

7.5.1.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).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (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 - 156.525	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])
13.36 - 13.41	--	--	--

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 shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz

above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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 [uV/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

For RSS-Gen Section 8.10 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 8.10 of RSS-Gen, must also comply with the radiated emission limits specified in Section 8.9.

Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	149.9 -150.5	9.0 - 9.2
0.495 -0.505	156.52475 - 156.525225	9.3 - 9.5
2.1735 - 2.1905	156.7 - 156.9	10.6 - 12.7
3.020 - 3.026	162.0125 - 167.17	13.25 - 13.4
4.125 - 4.128	167.72 - 173.2	14.47 - 14.5
4.17725 - 4.17775	240 - 285	15.35 - 16.2
4.20725 - 4.20775	322 - 335.4	17.7 - 21.4
5.677 - 5.683	399.9 - 410	22.01 - 23.12
6.215 - 6.218	608 - 614	23.6 - 24.0
6.26775 - 6.26825	960 - 1427	31.2 - 31.8
6.31175 - 6.31225	1435 - 1626.5	36.43 - 36.5
8.291 - 8.294	1645.5 - 1646.5	Above 38.6
8.362 - 8.366	1660 - 1710	--
8.37625 - 8.38675	1718.8 -1722.2	
8.41425 - 8.41475	2200 - 2300	
12.29 - 12.293	2310 -2390	
12.51975 - 12.52025	2483.5 - 2500	
12.57675 - 12.57725	2655 - 2900	
13.36 -13.41	3260 - 3267	
16.42 - 16.423	3332 -3339	
16.69475 - 16.69525	334.5 - 3358	
16.80425 - 16.80475	3500 - 4400	
25.5 - 25.67	4500 - 5150	
37.5 - 38.25	5350 - 5460	
73 - 74.6	7250 - 7750	
74.8 - 75.2	8025 - 8500	
108 - 138	--	

All out of band emissions appearing in a restricted band as specified in Section 8.10 of the RSS-Gen must not exceed the limits shown in Table per Section 8.9.

RSS-Gen Section 8.9			
Frequency [MHz]	Magnetic field strength (H-Field) [uA/m]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 - 0.490	6.37/F(F in kHz)	N/A	300
0.490 - 1.705	63.7/F(F in kHz)	N/A	30
1.705 - 30	0.08	N/A	30
30 - 88	N/A	100	3
88 - 216	N/A	150	3
216 - 960	N/A	200	3
Above 960	N/A	500	3

7.5.2.Test Procedure Used

KDB 789033 D02v02r01 – Section G

7.5.3.Test Setting

Peak Measurements above 1GHz

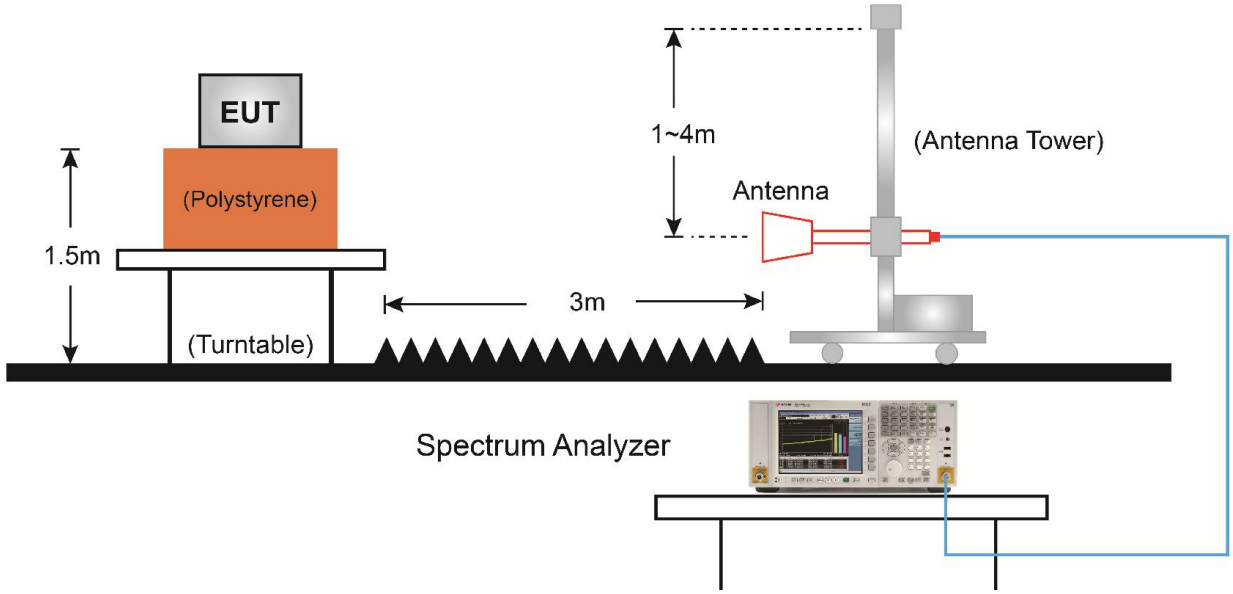
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

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. If duty cycle ≥ 98%, VBW ≤ RBW/100 but not less than 10Hz; If duty cycle < 98%, set VBW ≥ 1/T.
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold

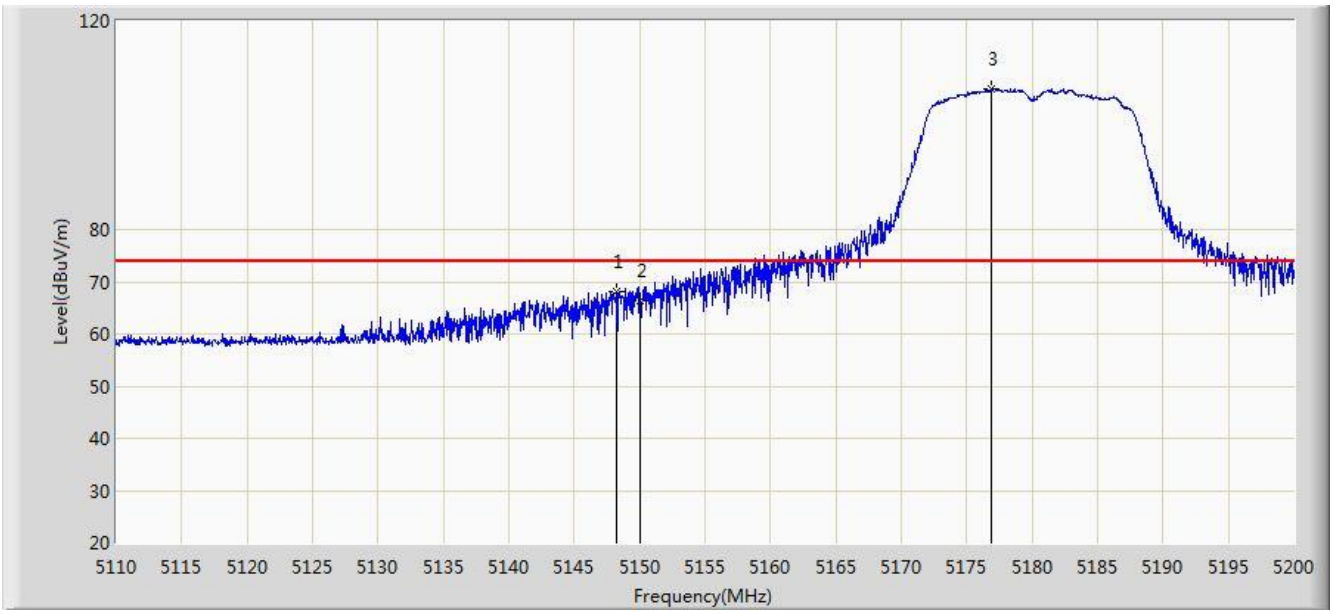
7. Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98% duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of 1/x, where x is the duty cycle.

7.5.4.Test Setup



7.5.5.Test Result

Site: AC2	Time: 2019/05/06 - 08:02
Limit: FCC_Part15_Band Edge(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at channel 5180MHz	

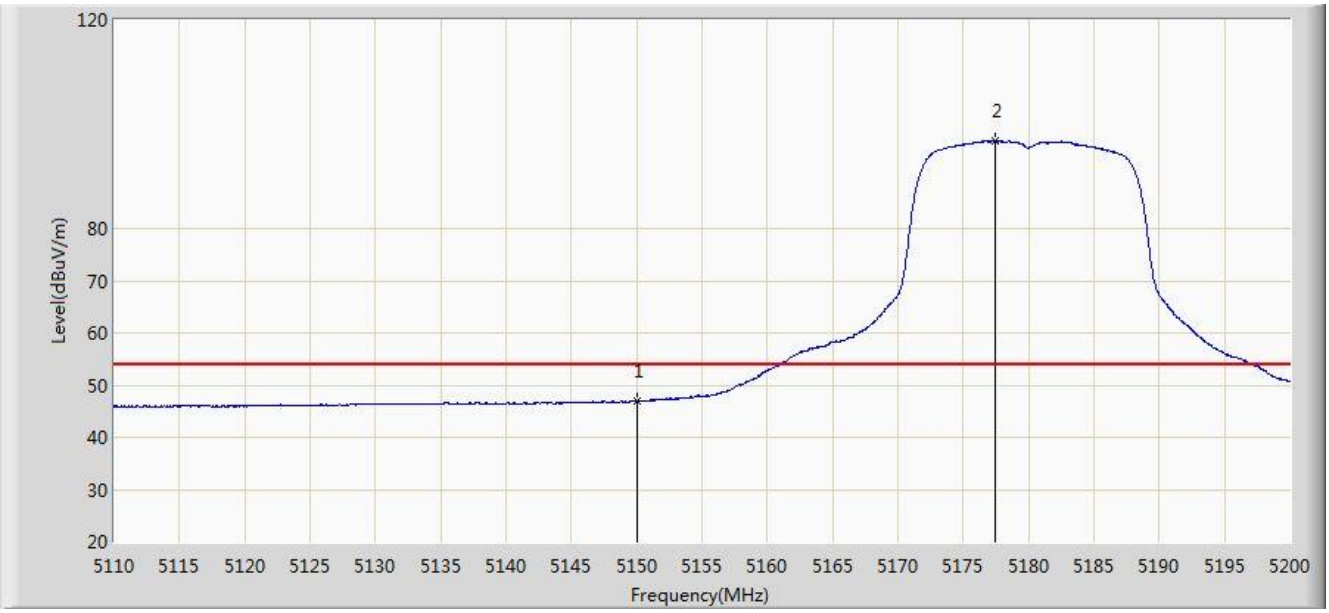


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.205	68.066	61.675	-5.934	74.000	6.391	PK
2			5150.000	66.379	59.982	-7.621	74.000	6.398	PK
3		*	5176.915	106.841	100.301	N/A	N/A	6.540	PK

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

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

Site: AC2	Time: 2019/05/06 - 08:06
Limit: FCC_Part15_Band Edge(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at channel 5180MHz	

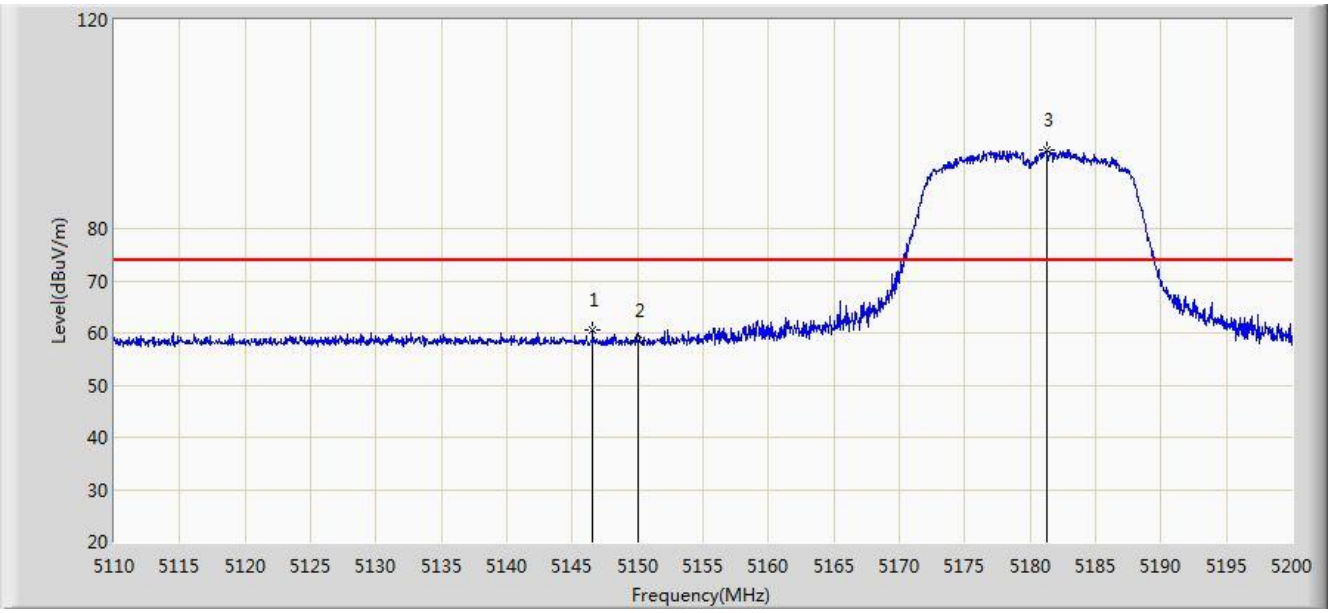


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.913	40.516	-7.087	54.000	6.398	AV
2		*	5177.410	96.887	90.342	N/A	N/A	6.545	AV

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

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

Site: AC2	Time: 2019/05/06 - 08:06
Limit: FCC_Part15_Band Edge(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at channel 5180MHz	

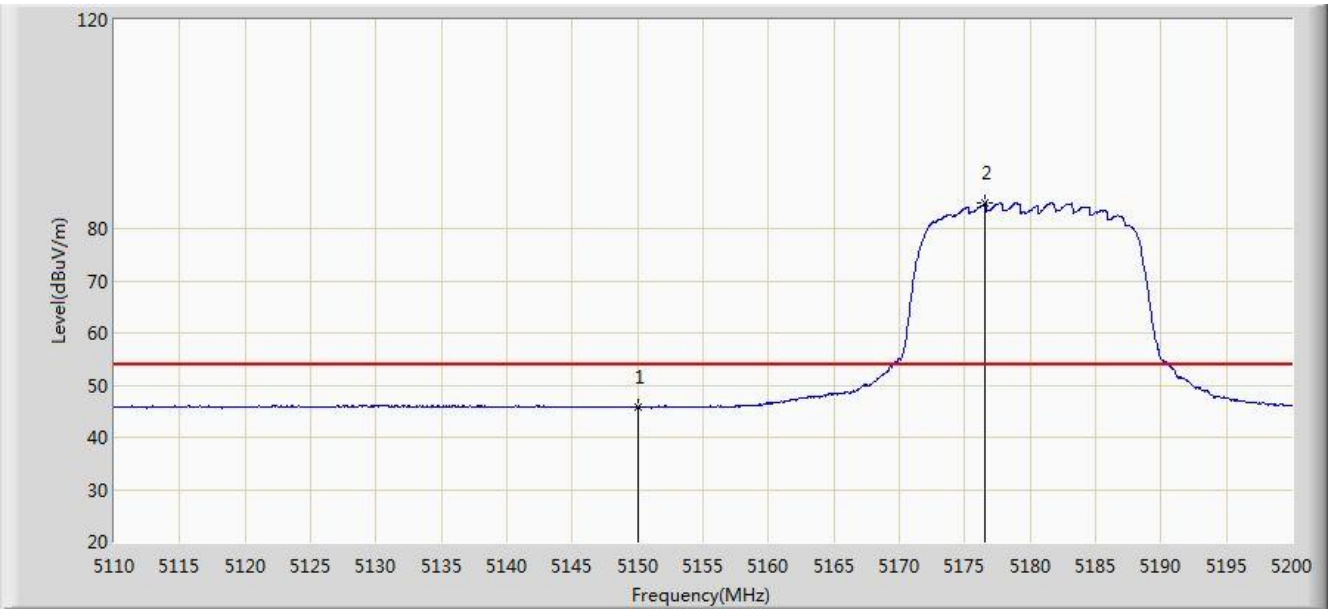


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.585	60.516	54.104	-13.484	74.000	6.412	PK
2			5150.000	58.593	52.196	-15.407	74.000	6.398	PK
3		*	5181.235	95.055	88.473	N/A	N/A	6.582	PK

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

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

Site: AC2	Time: 2019/05/06 - 08:08
Limit: FCC_Part15_Band Edge(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at channel 5180MHz	

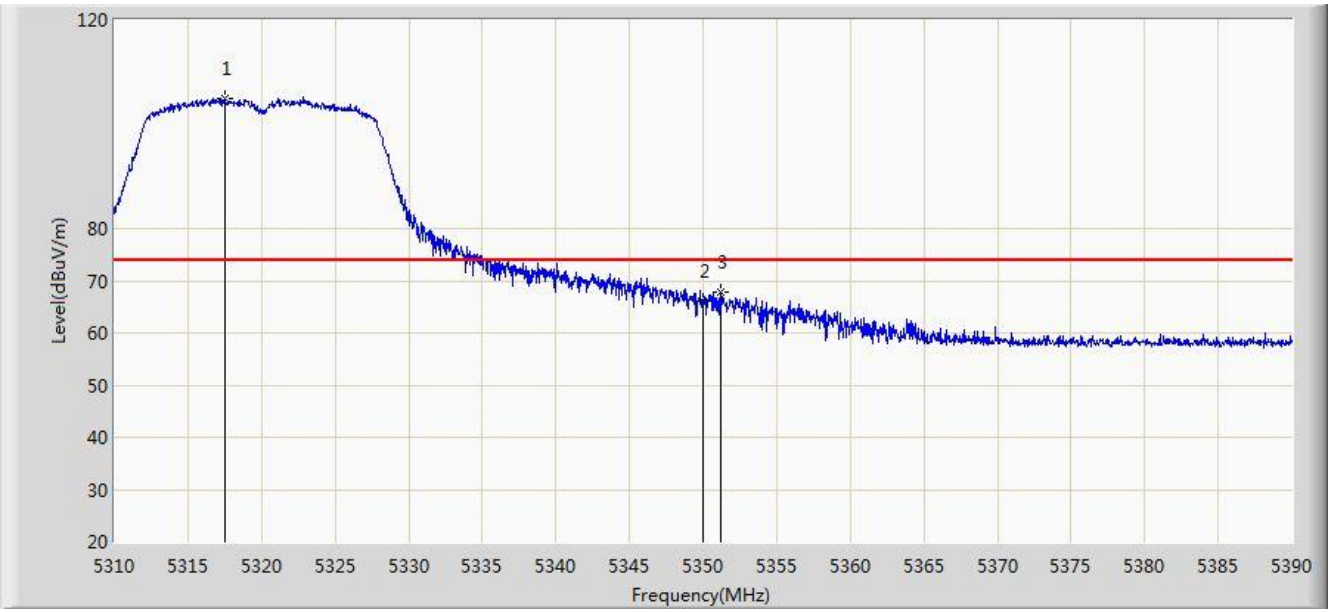


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	45.753	39.356	-8.247	54.000	6.398	AV
2		*	5176.510	84.807	78.271	N/A	N/A	6.536	AV

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

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

Site: AC2	Time: 2019/05/06 - 08:10
Limit: FCC_Part15_Band Edge(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at channel 5320MHz	

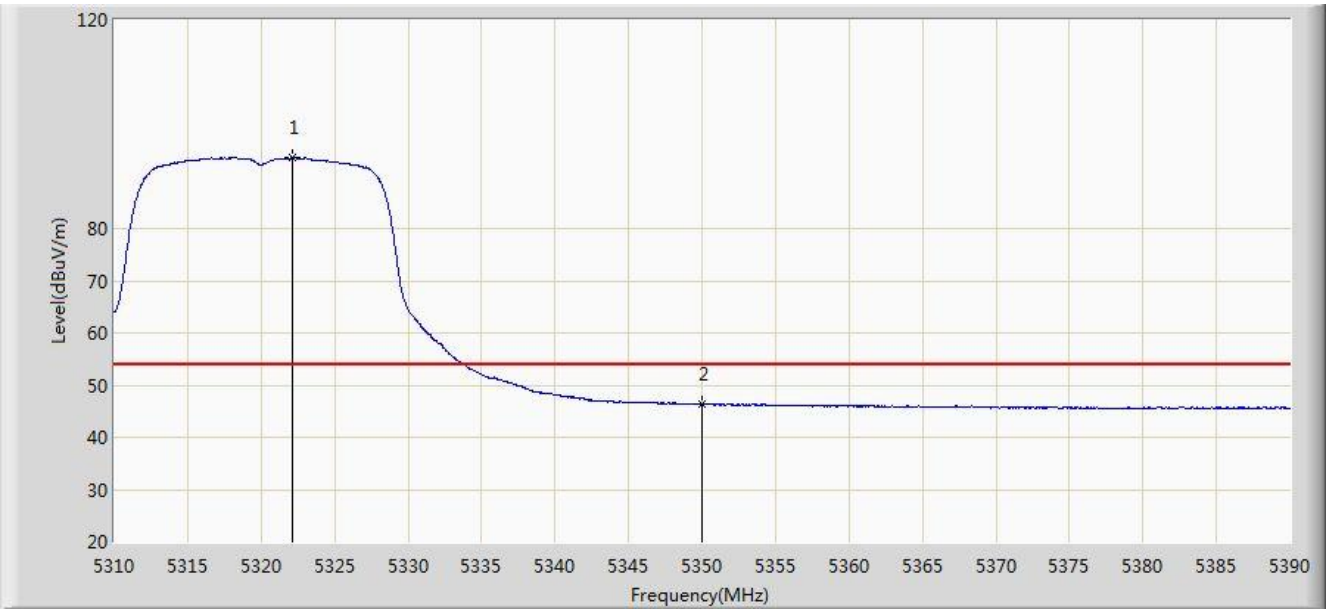


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5317.520	104.956	98.609	N/A	N/A	6.347	PK
2			5350.000	65.954	59.627	-8.046	74.000	6.327	PK
3			5351.160	67.743	61.416	-6.257	74.000	6.326	PK

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

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

Site: AC2	Time: 2019/05/06 - 08:13
Limit: FCC_Part15_Band Edge(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at channel 5320MHz	

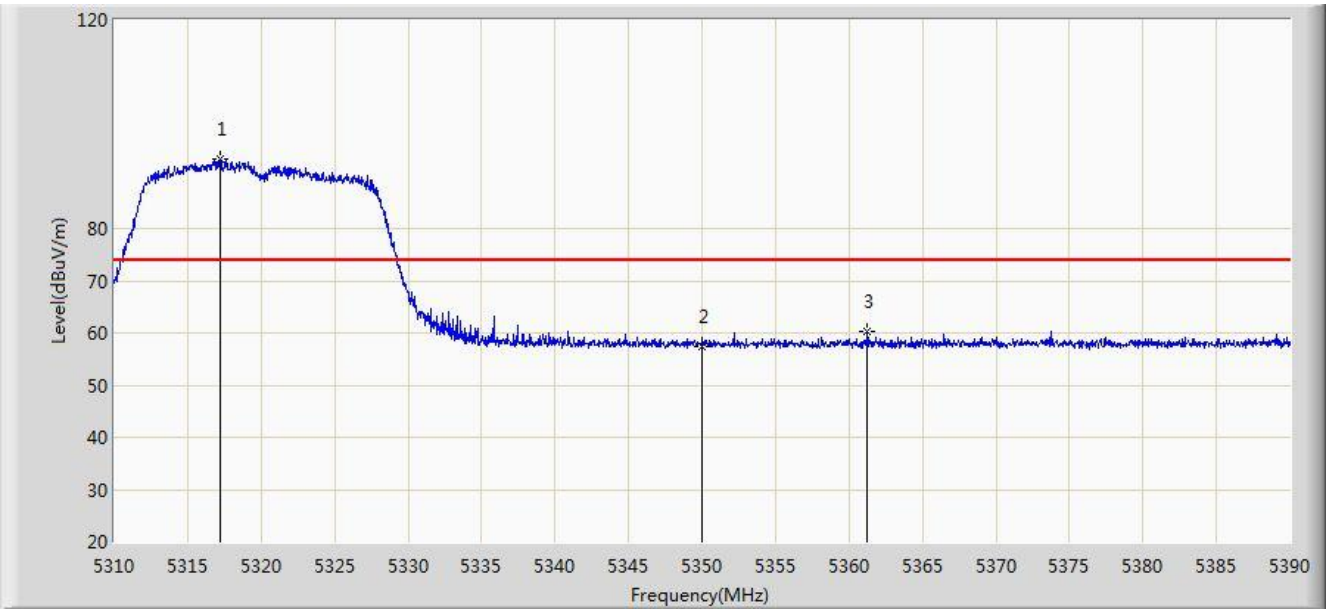


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.160	93.496	87.151	N/A	N/A	6.345	AV
2			5350.000	46.373	40.046	-7.627	54.000	6.327	AV

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

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

Site: AC2	Time: 2019/05/06 - 08:13
Limit: FCC_Part15_Band Edge(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at channel 5320MHz	

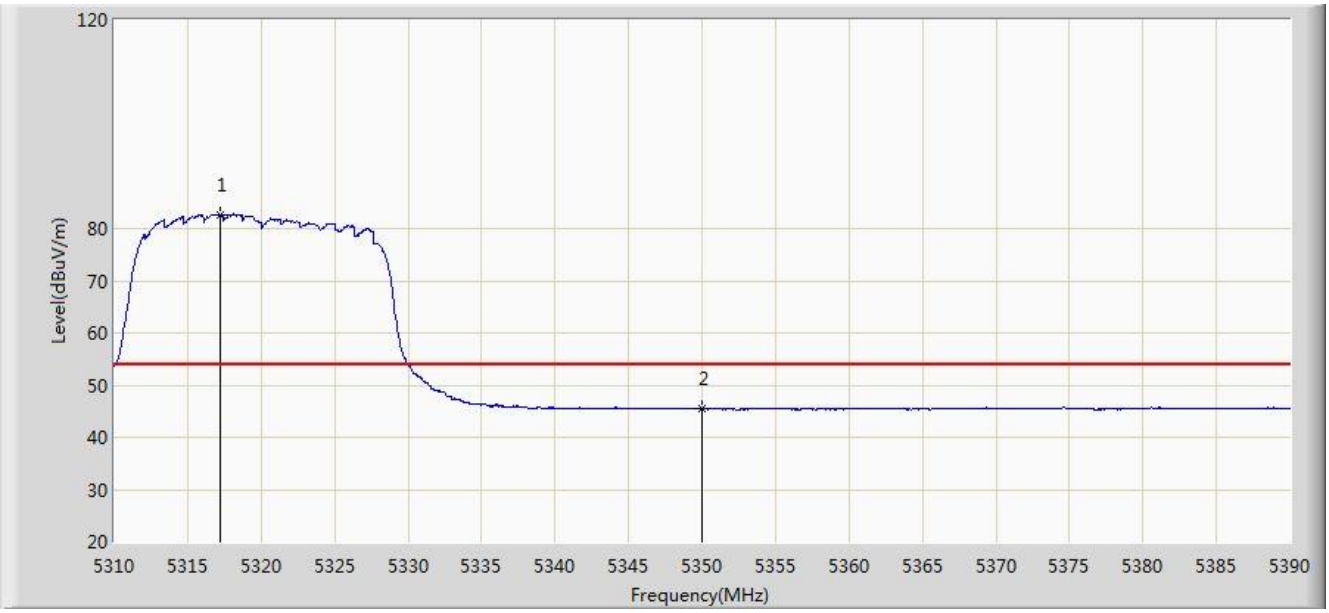


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5317.200	93.290	86.944	N/A	N/A	6.347	PK
2			5350.000	57.254	50.927	-16.746	74.000	6.327	PK
3			5361.240	60.224	53.830	-13.776	74.000	6.394	PK

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

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

Site: AC2	Time: 2019/05/06 - 08:15
Limit: FCC_Part15_Band Edge(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at channel 5320MHz	

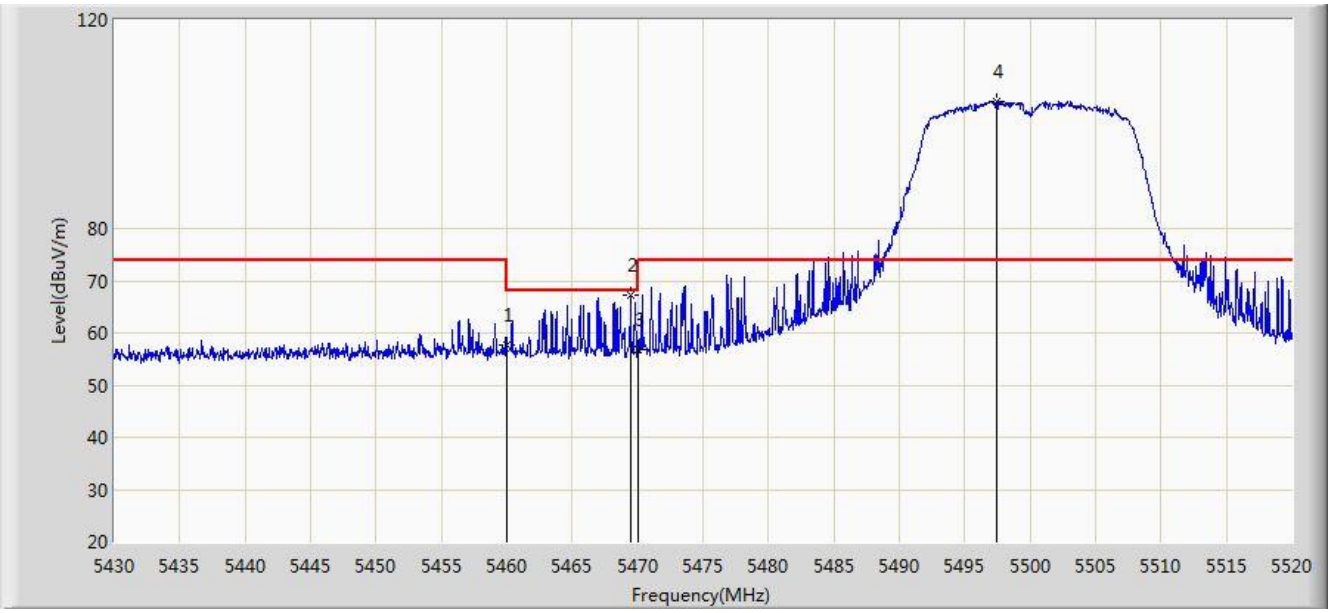


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5317.200	82.701	76.355	N/A	N/A	6.347	AV
2			5350.000	45.615	39.288	-8.385	54.000	6.327	AV

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

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

Site: AC2	Time: 2019/05/07 - 02:21
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at channel 5500MHz	

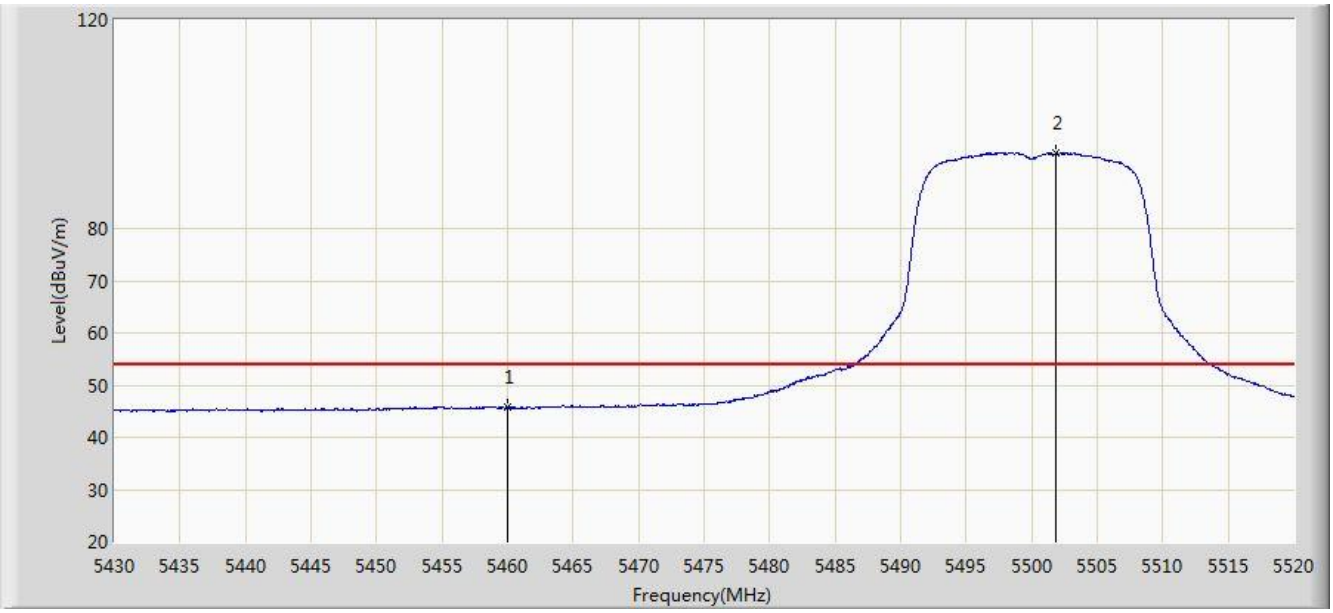


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	57.547	50.935	-16.453	74.000	6.612	PK
2			5469.465	67.191	60.622	-1.009	68.200	6.569	PK
3			5470.000	56.800	50.233	-11.400	68.200	6.567	PK
4		*	5497.410	104.417	97.728	N/A	N/A	6.689	PK

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

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

Site: AC2	Time: 2019/05/07 - 02:23
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at channel 5500MHz	

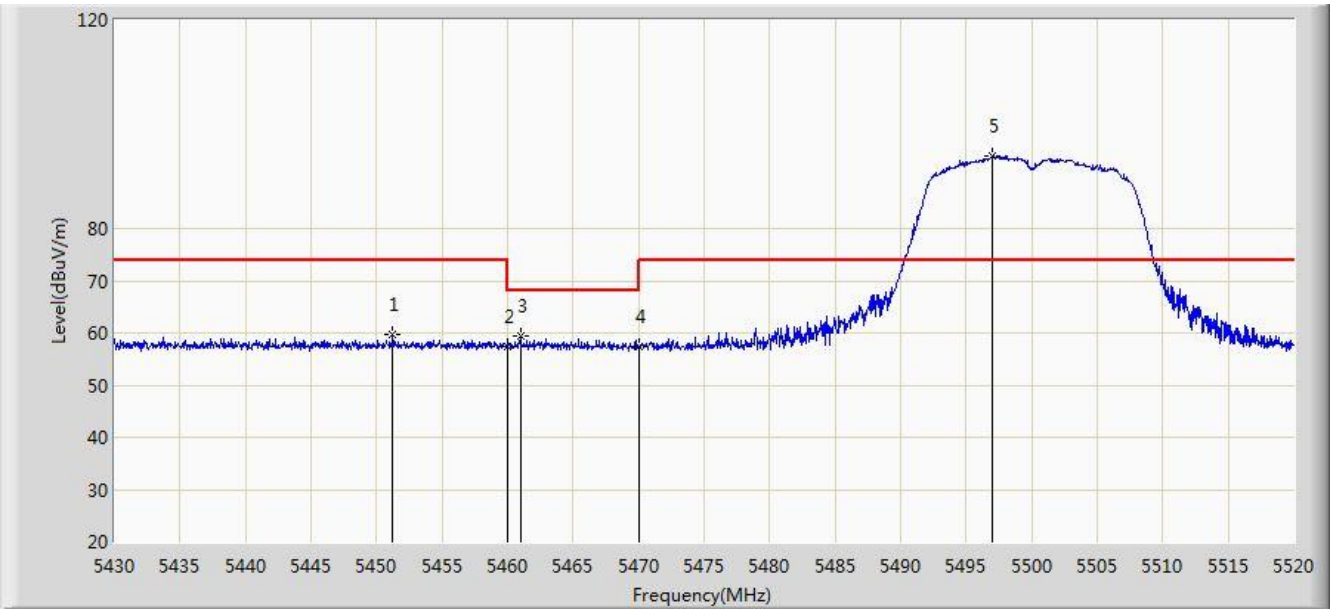


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	45.720	39.108	-8.280	54.000	6.612	AV
2		*	5501.865	94.387	87.666	N/A	N/A	6.721	AV

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

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

Site: AC2	Time: 2019/05/07 - 02:24
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at channel 5500MHz	

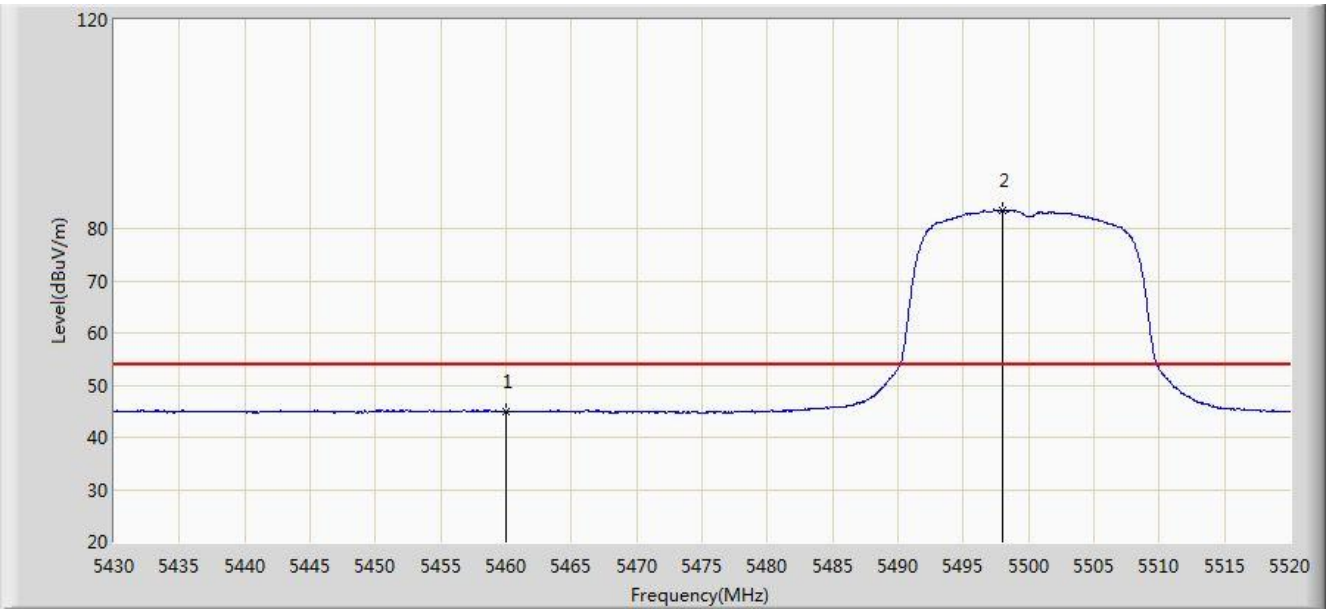


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5451.240	59.592	52.964	-14.408	74.000	6.627	PK
2			5460.000	57.458	50.846	-16.542	74.000	6.612	PK
3			5461.005	59.404	52.796	-8.796	68.200	6.608	PK
4			5470.000	57.459	50.892	-10.741	68.200	6.567	PK
5		*	5497.005	93.856	87.170	N/A	N/A	6.686	PK

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

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

Site: AC2	Time: 2019/05/07 - 02:26
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at channel 5500MHz	

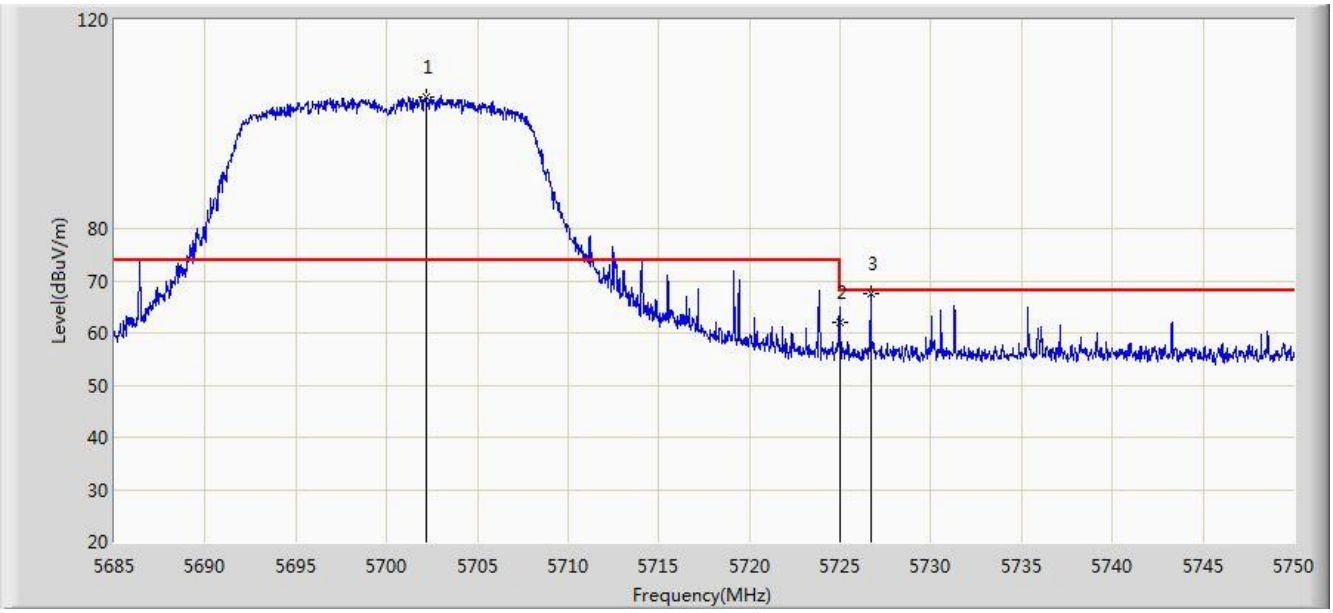


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	44.920	38.308	-9.080	54.000	6.612	AV
2		*	5497.995	83.580	76.887	N/A	N/A	6.693	AV

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

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

Site: AC2	Time: 2019/05/07 - 02:15
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at channel 5700MHz	

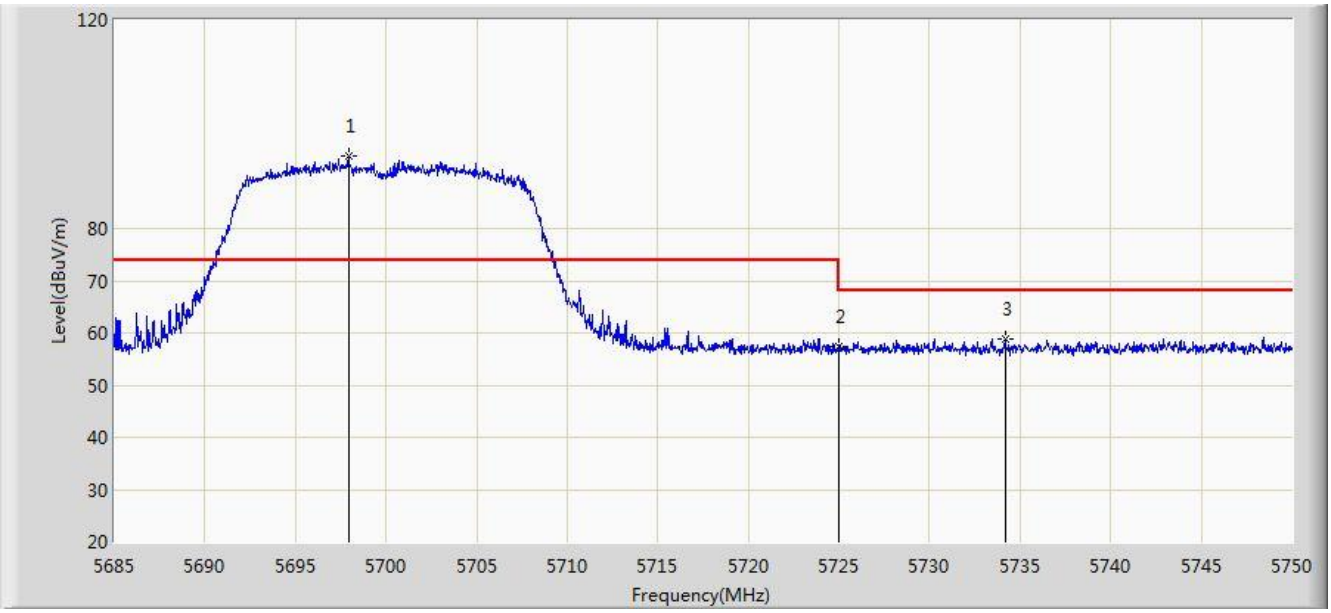


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5702.160	105.284	98.359	N/A	N/A	6.925	PK
2			5725.000	62.040	55.173	-6.160	68.200	6.867	PK
3			5726.665	67.532	60.668	-0.668	68.200	6.864	PK

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

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

Site: AC2	Time: 2019/05/07 - 02:19
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at channel 5700MHz	

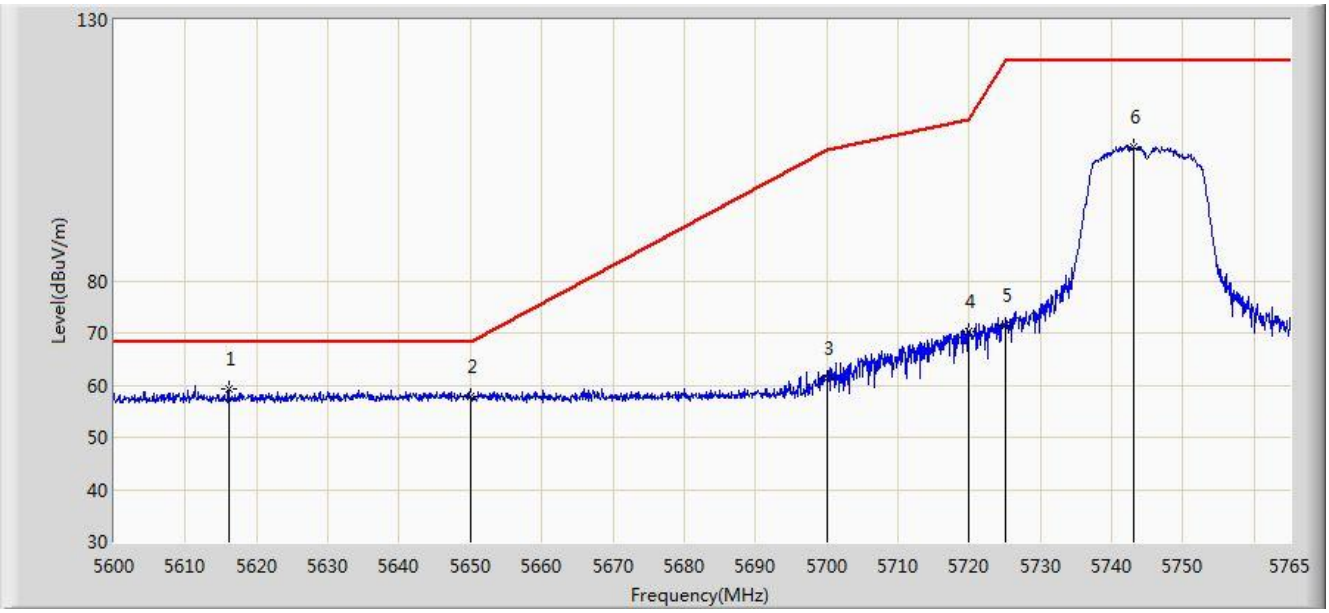


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5697.935	93.869	86.976	N/A	N/A	6.892	PK
2			5725.000	57.496	50.629	-10.704	68.200	6.867	PK
3			5734.172	58.711	51.795	-9.489	68.200	6.916	PK

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

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

Site: AC2	Time: 2019/05/07 - 02:27
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at channel 5745MHz	

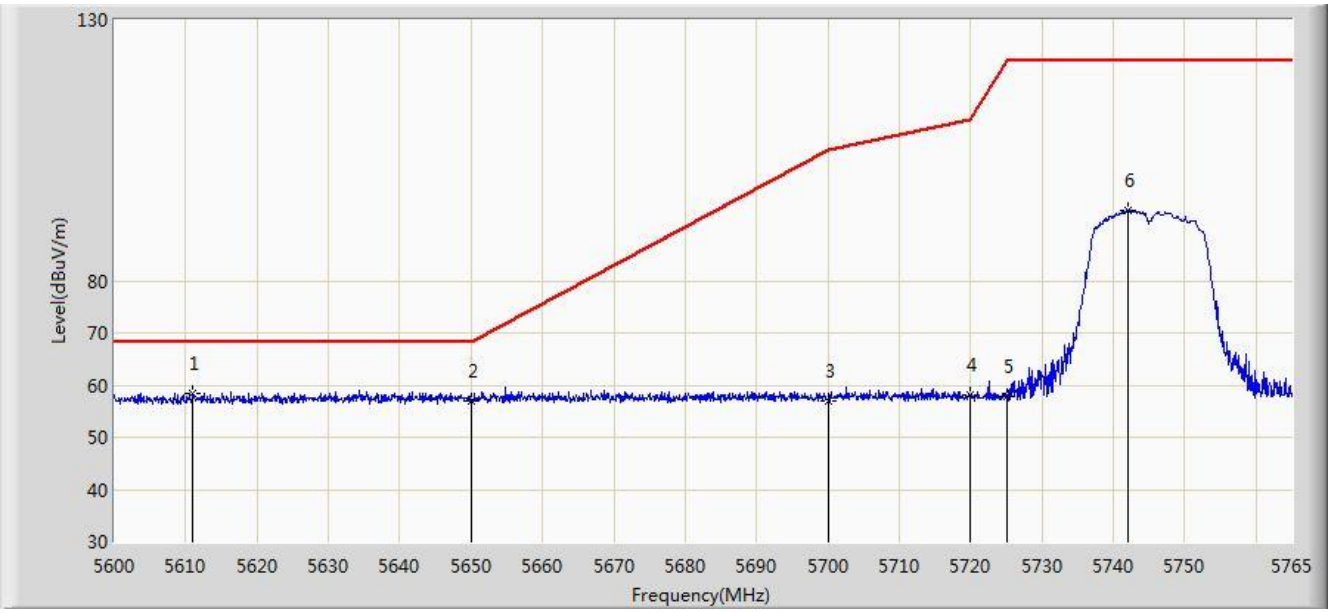


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5616.087	59.371	52.679	-8.829	68.200	6.693	PK
2			5650.000	57.807	51.014	-10.393	68.200	6.793	PK
3			5700.000	61.297	54.388	-43.903	105.200	6.909	PK
4			5720.000	70.176	63.272	-40.624	110.800	6.904	PK
5			5725.000	71.389	64.522	-50.811	122.200	6.867	PK
6			5743.138	105.670	98.693	N/A	N/A	6.977	PK

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

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

Site: AC2	Time: 2019/05/07 - 02:30
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at channel 5745MHz	

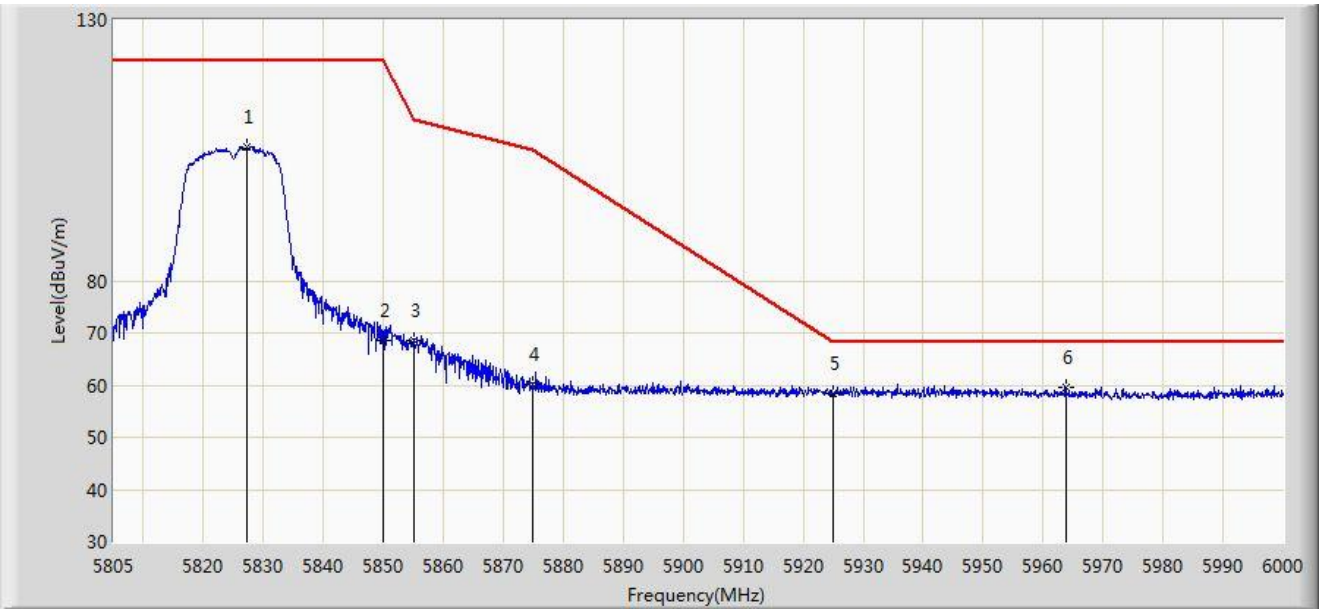


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5611.055	58.425	51.750	-9.775	68.200	6.675	PK
2			5650.000	56.907	50.114	-11.293	68.200	6.793	PK
3			5700.000	56.983	50.074	-48.217	105.200	6.909	PK
4			5720.000	58.033	51.129	-52.767	110.800	6.904	PK
5			5725.000	57.917	51.050	-64.283	122.200	6.867	PK
6			5742.065	93.546	86.577	N/A	N/A	6.969	PK

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

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

Site: AC2	Time: 2019/05/07 - 02:31
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at channel 5825MHz	

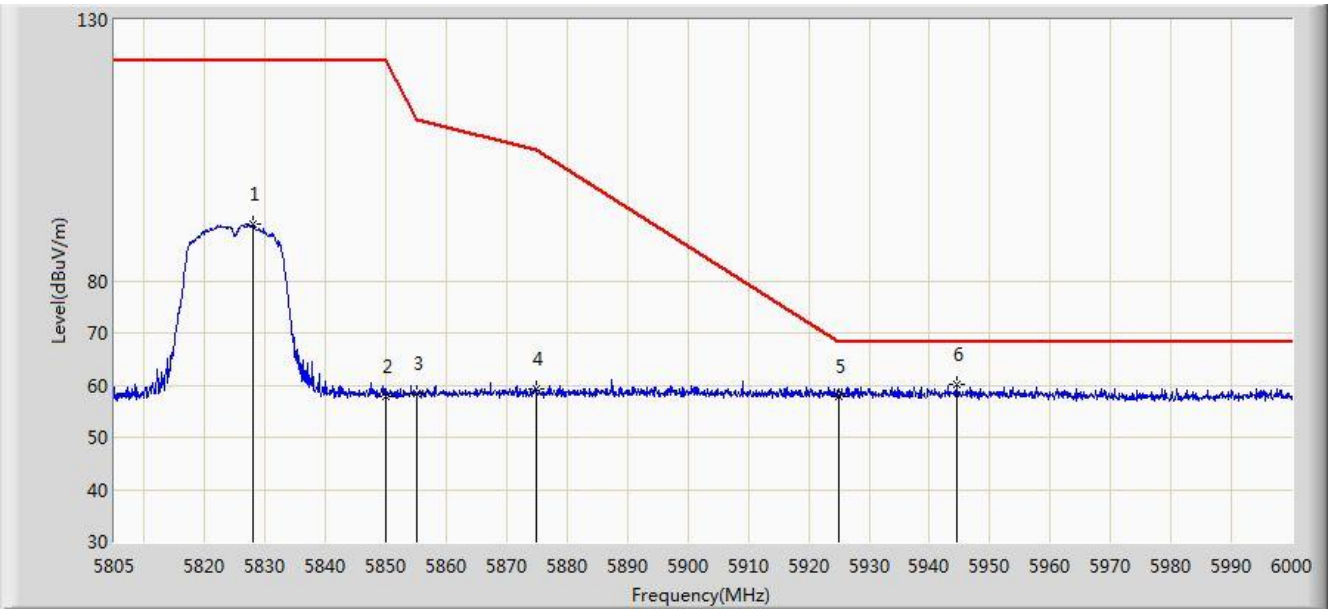


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5827.132	105.629	98.257	N/A	N/A	7.372	PK
2			5850.000	68.449	61.119	-53.751	122.200	7.331	PK
3			5855.000	68.533	61.205	-42.267	110.800	7.327	PK
4			5875.000	60.289	52.875	-44.911	105.200	7.414	PK
5			5925.000	58.292	50.992	-9.908	68.200	7.299	PK
6		*	5963.828	59.701	52.308	-8.499	68.200	7.393	PK

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

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

Site: AC2	Time: 2019/05/07 - 02:33
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at channel 5825MHz	

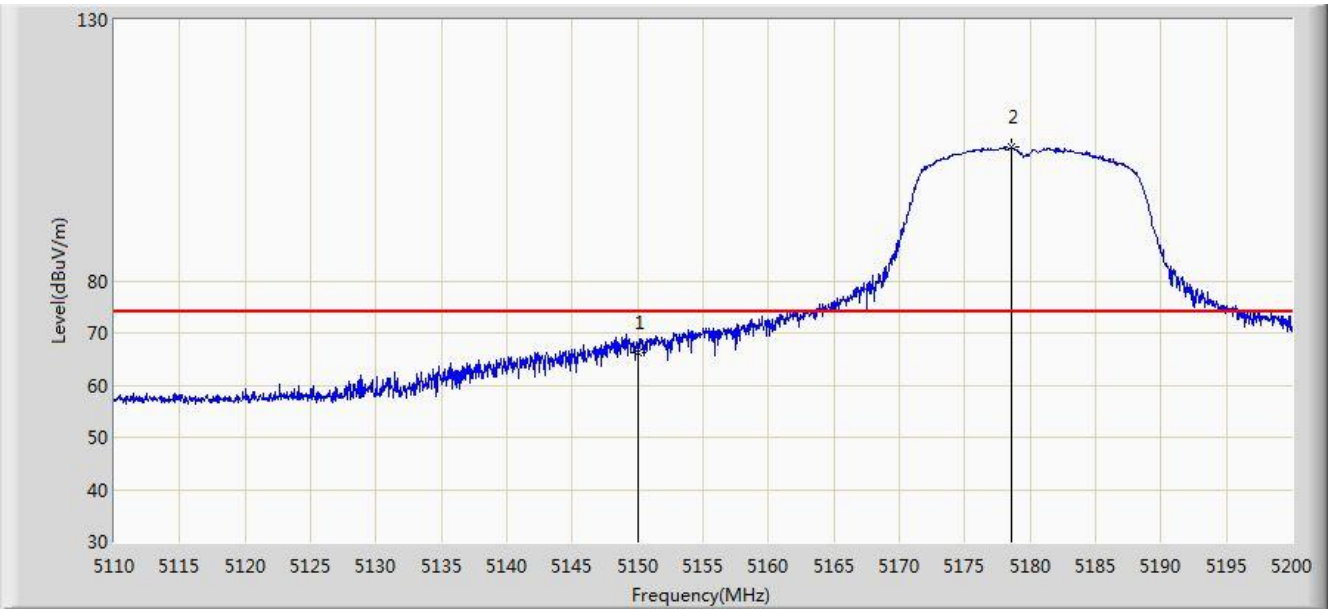


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5827.913	90.794	83.410	N/A	N/A	7.384	PK
2			5850.000	57.945	50.615	-64.255	122.200	7.331	PK
3			5855.000	58.488	51.160	-52.312	110.800	7.327	PK
4			5875.000	59.235	51.821	-45.965	105.200	7.414	PK
5			5925.000	57.913	50.613	-10.287	68.200	7.299	PK
6		*	5944.522	60.195	52.719	-8.005	68.200	7.476	PK

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

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

Site: AC2	Time: 2019/05/07 - 02:34
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz	

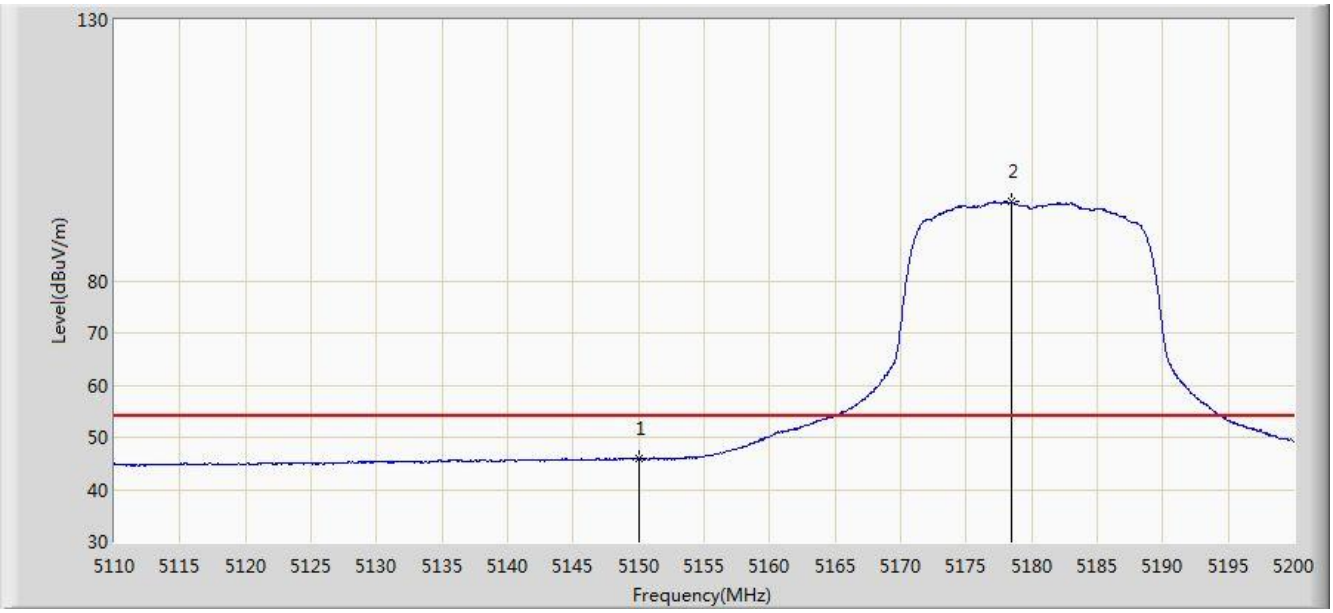


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	66.341	59.944	-7.659	74.000	6.398	PK
2		*	5178.625	105.683	99.126	N/A	N/A	6.557	PK

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

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

Site: AC2	Time: 2019/05/07 - 02:36
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz	

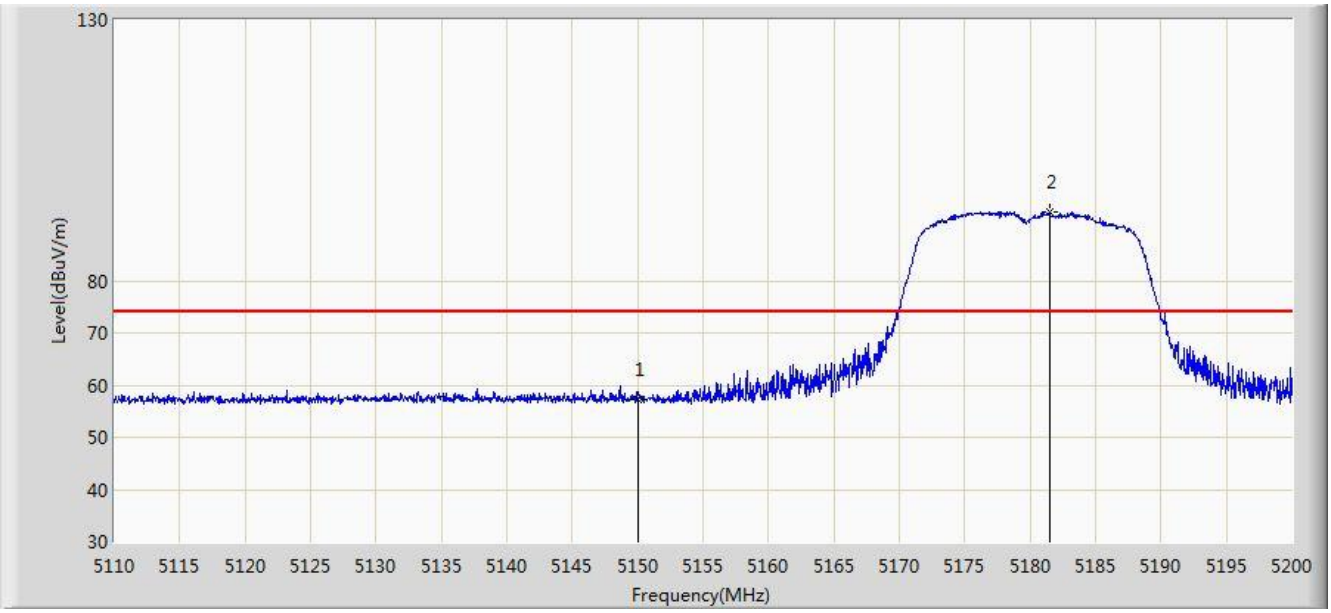


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.039	39.642	-7.961	54.000	6.398	AV
2		*	5178.490	95.116	88.561	N/A	N/A	6.555	AV

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

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

Site: AC2	Time: 2019/05/07 - 02:37
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz	

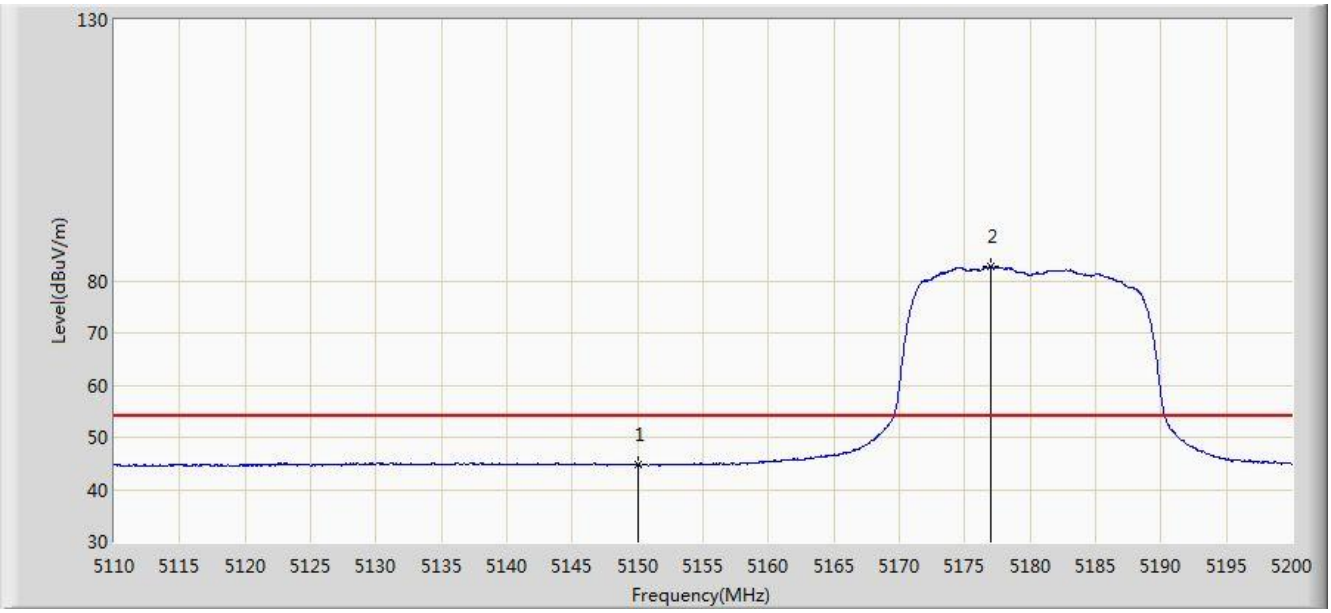


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	57.342	50.945	-16.658	74.000	6.398	PK
2		*	5181.460	93.240	86.656	N/A	N/A	6.583	PK

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

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

Site: AC2	Time: 2019/05/07 - 02:39
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz	

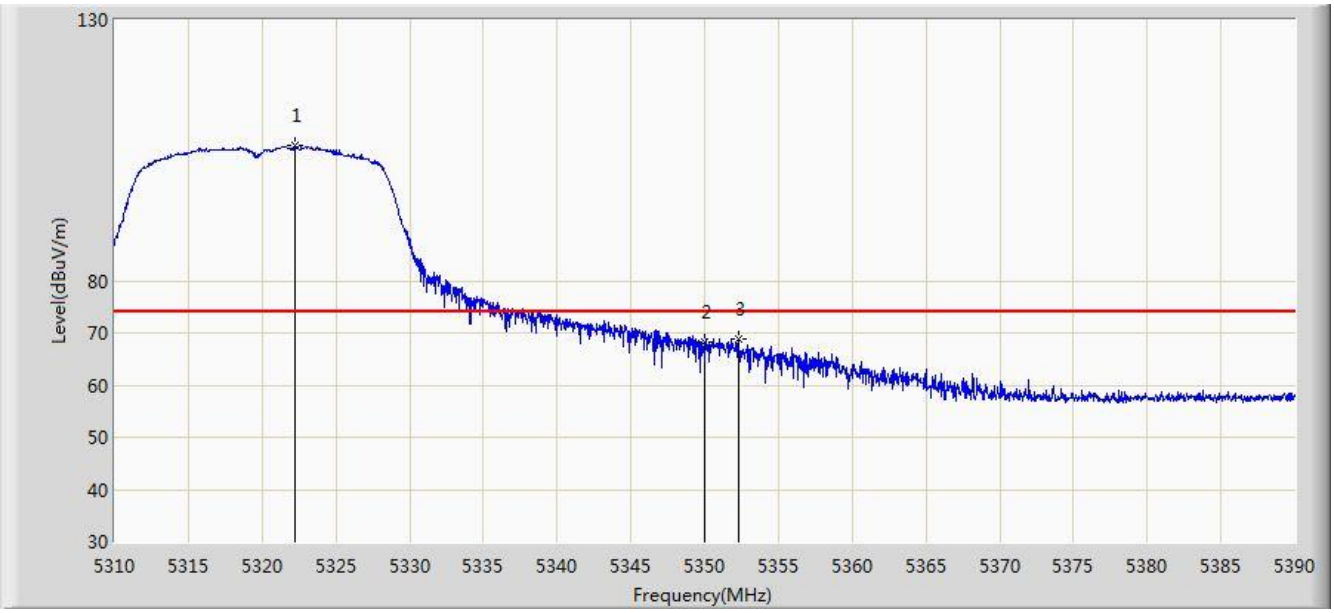


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	44.691	38.294	-9.309	54.000	6.398	AV
2		*	5177.005	82.705	76.164	N/A	N/A	6.540	AV

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

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

Site: AC2	Time: 2019/05/07 - 02:40
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz	

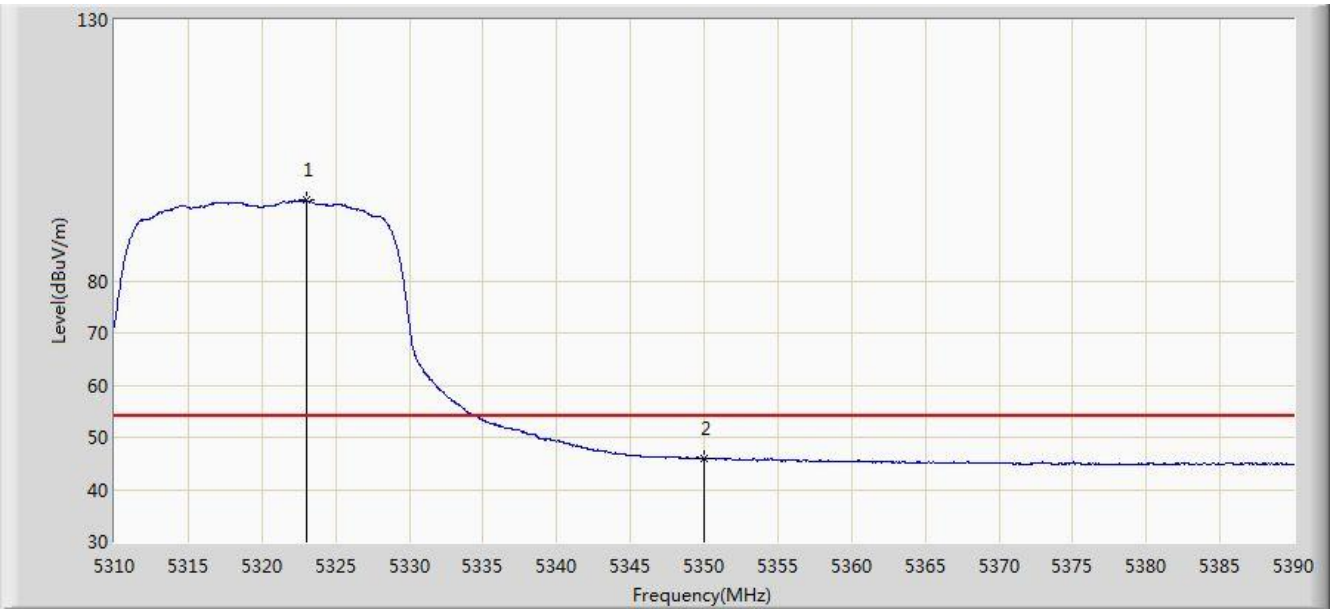


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.200	106.020	99.675	N/A	N/A	6.345	PK
2			5350.000	68.117	61.790	-5.883	74.000	6.327	PK
3			5352.280	68.802	62.473	-5.198	74.000	6.329	PK

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

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

Site: AC2	Time: 2019/05/07 - 02:41
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz	

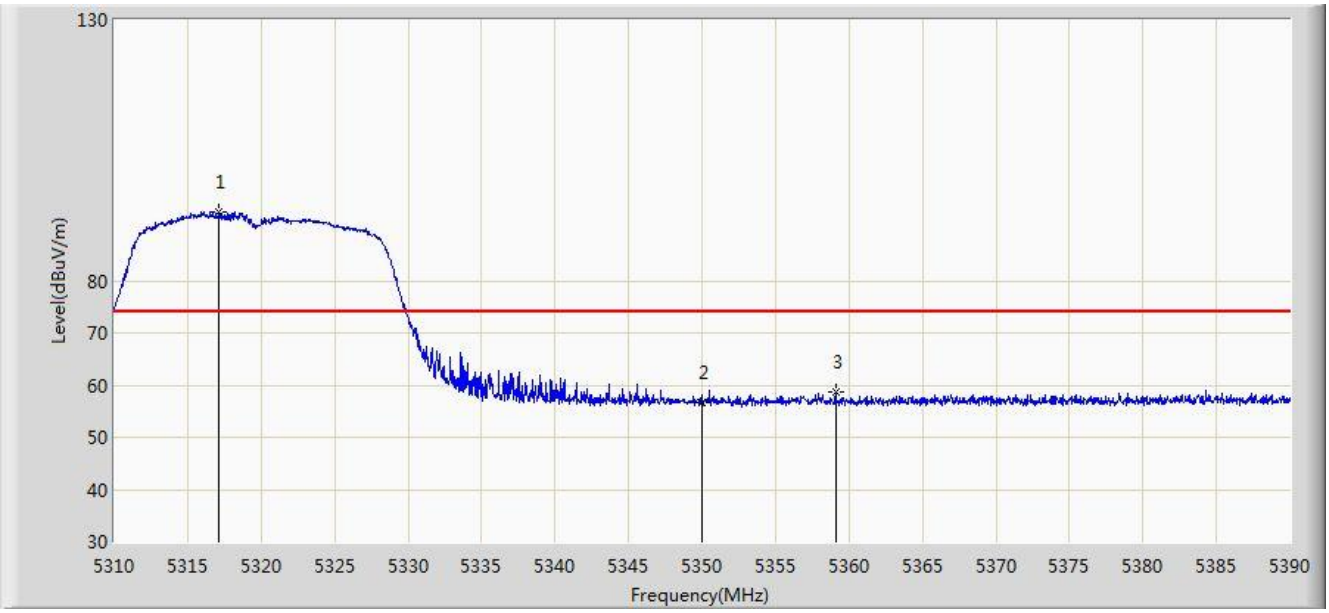


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5323.040	95.411	89.067	N/A	N/A	6.343	AV
2			5350.000	46.022	39.695	-7.978	54.000	6.327	AV

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

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

Site: AC2	Time: 2019/05/07 - 02:42
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz	

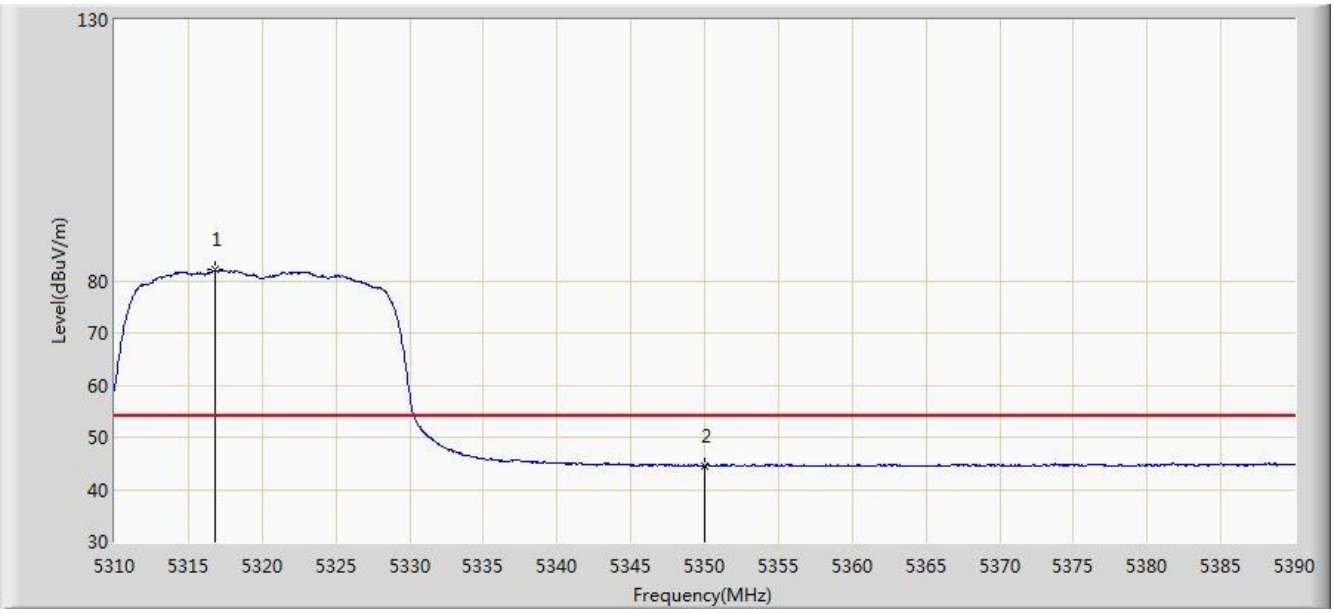


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5317.120	93.265	86.919	N/A	N/A	6.346	PK
2			5350.000	56.654	50.327	-17.346	74.000	6.327	PK
3			5359.080	58.612	52.233	-15.388	74.000	6.378	PK

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

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

Site: AC2	Time: 2019/05/07 - 02:44
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz	

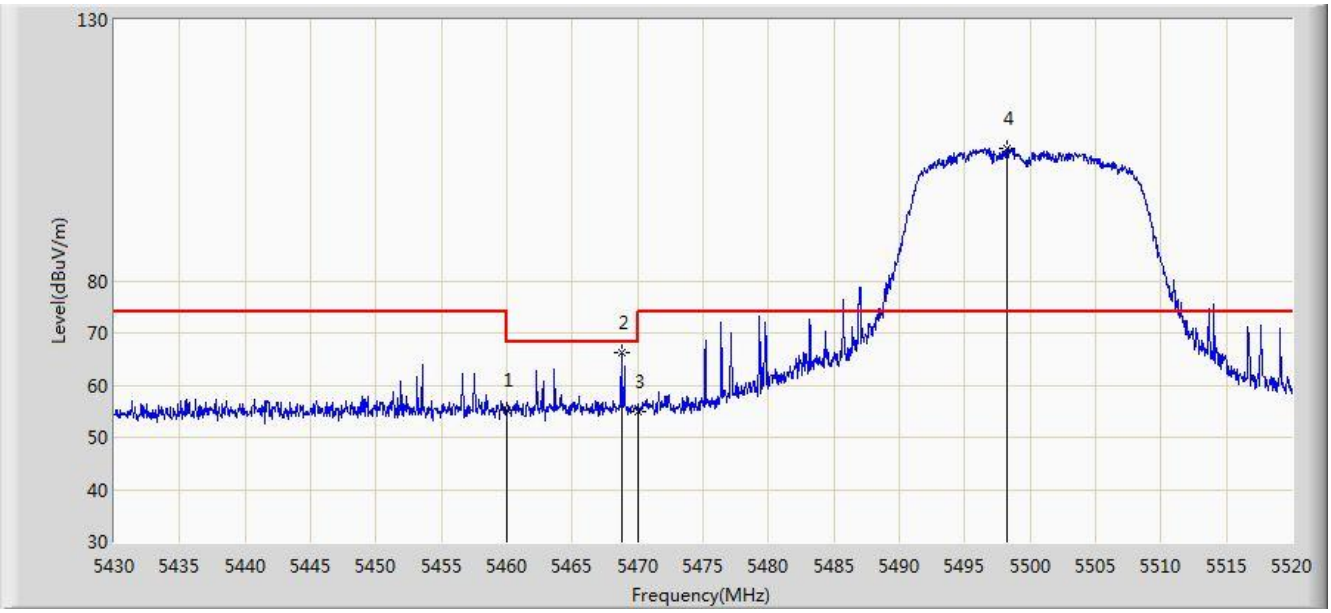


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5316.840	82.035	75.691	N/A	N/A	6.344	AV
2			5350.000	44.549	38.222	-9.451	54.000	6.327	AV

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

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

Site: AC2	Time: 2019/05/07 - 02:44
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz	

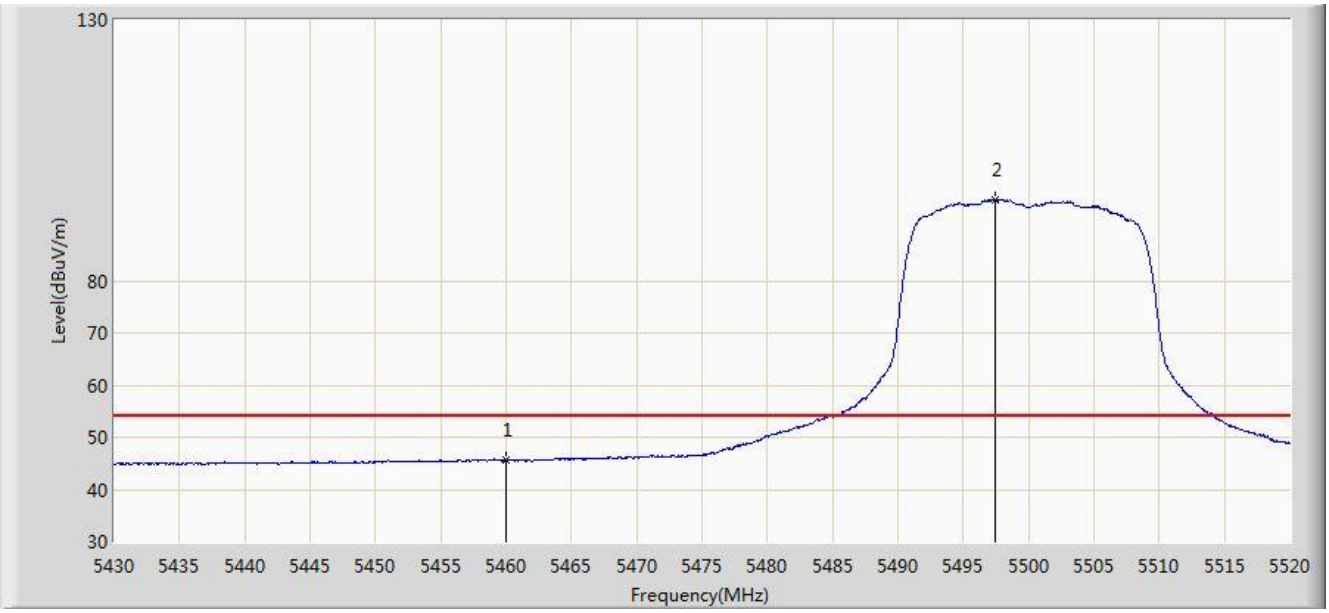


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	55.196	48.584	-18.804	74.000	6.612	PK
2			5468.745	66.290	59.718	-1.910	68.200	6.573	PK
3			5470.000	55.009	48.442	-13.191	68.200	6.567	PK
4		*	5498.265	105.393	98.698	N/A	N/A	6.695	PK

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

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

Site: AC2	Time: 2019/05/07 - 02:46
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz	

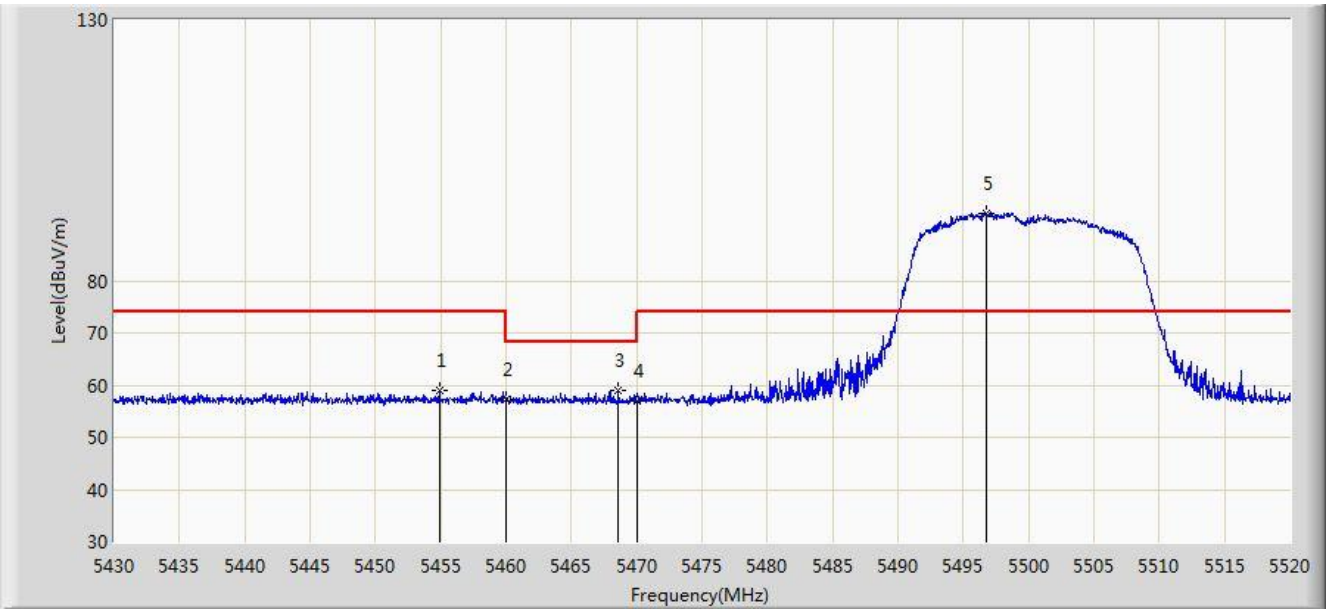


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	45.632	39.020	-8.368	54.000	6.612	AV
2		*	5497.410	95.465	88.776	N/A	N/A	6.689	AV

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

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

Site: AC2	Time: 2019/05/07 - 02:47
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz	

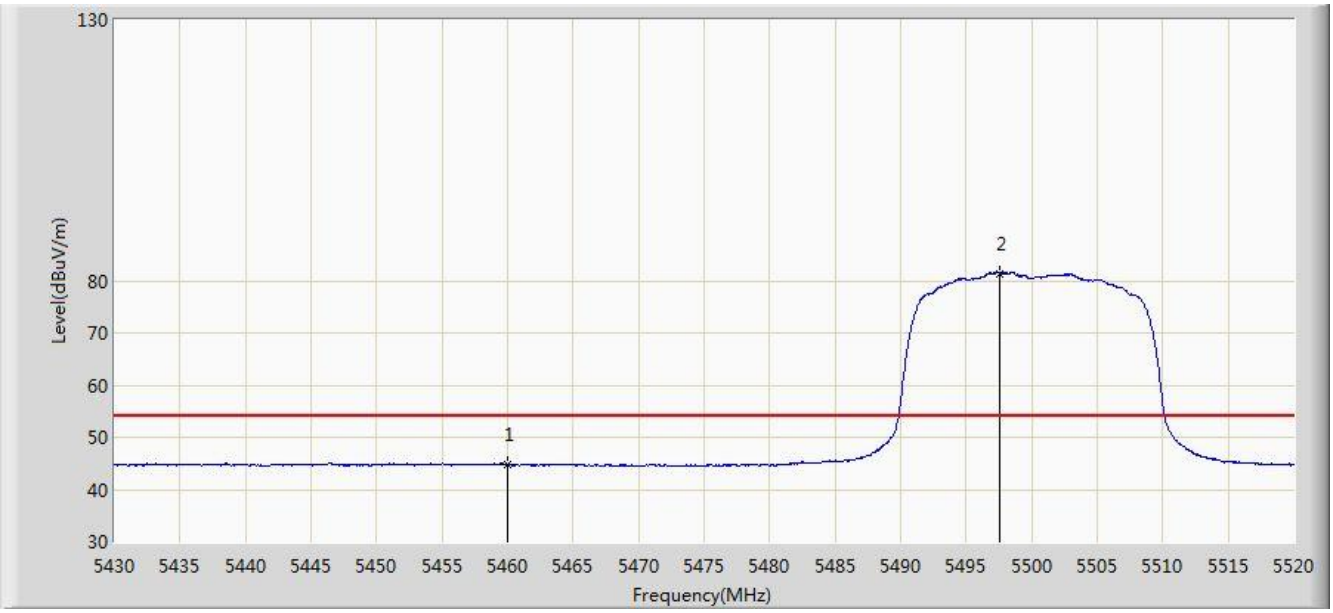


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5454.885	59.082	52.446	-14.918	74.000	6.636	PK
2			5460.000	57.342	50.730	-16.658	74.000	6.612	PK
3			5468.610	59.008	52.435	-9.192	68.200	6.574	PK
4			5470.000	56.947	50.380	-11.253	68.200	6.567	PK
5		*	5496.780	92.986	86.302	N/A	N/A	6.684	PK

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

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

Site: AC2	Time: 2019/05/07 - 02:48
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz	

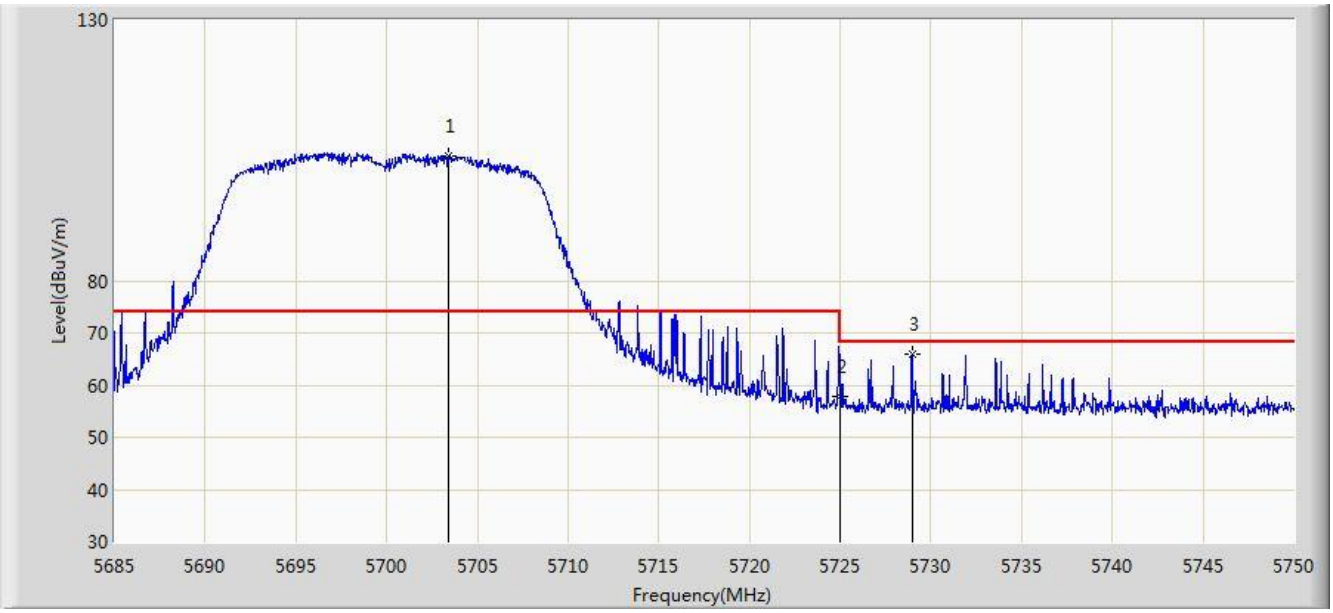


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	44.692	38.080	-9.308	54.000	6.612	AV
2		*	5497.545	81.410	74.720	N/A	N/A	6.690	AV

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

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

Site: AC2	Time: 2019/05/07 - 02:49
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz	

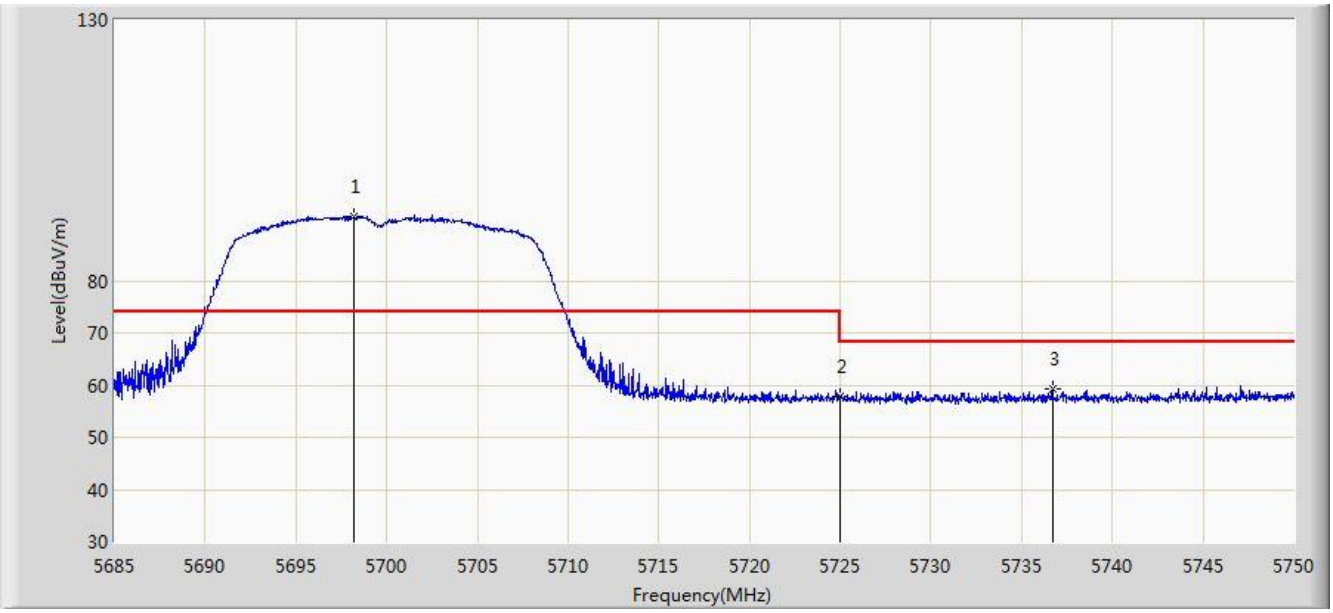


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5703.395	103.896	96.961	N/A	N/A	6.935	PK
2			5725.000	57.849	50.982	-10.351	68.200	6.867	PK
3			5728.973	66.078	59.198	-2.122	68.200	6.880	PK

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

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

Site: AC2	Time: 2019/05/07 - 02:51
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz	

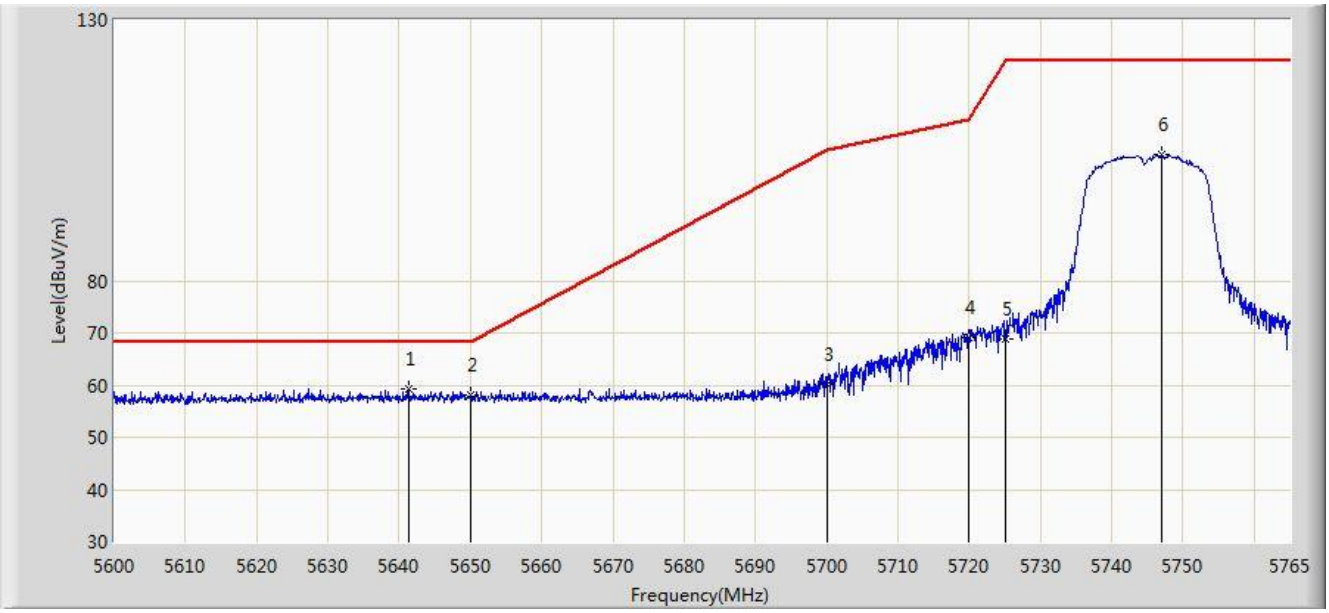


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5698.163	92.270	85.375	N/A	N/A	6.895	PK
2			5725.000	57.742	50.875	-10.458	68.200	6.867	PK
3			5736.708	59.214	52.280	-8.986	68.200	6.934	PK

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

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

Site: AC2	Time: 2019/05/07 - 02:52
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at channel 5745MHz	

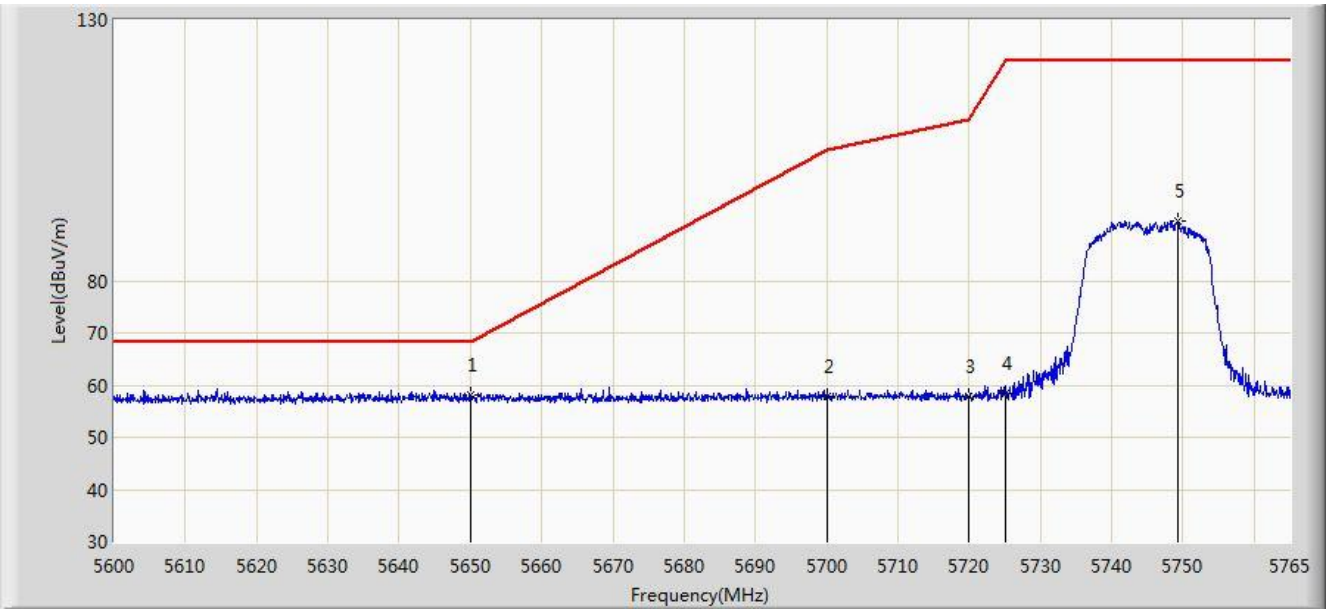


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5641.250	59.172	52.341	-9.028	68.200	6.830	PK
2			5650.000	58.192	51.399	-10.008	68.200	6.793	PK
3			5700.000	60.165	53.256	-45.035	105.200	6.909	PK
4			5720.000	69.216	62.312	-41.584	110.800	6.904	PK
5			5725.000	68.787	61.920	-53.413	122.200	6.867	PK
6			5747.015	104.167	97.143	N/A	N/A	7.024	PK

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

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

Site: AC2	Time: 2019/05/07 - 02:54
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at channel 5745MHz	

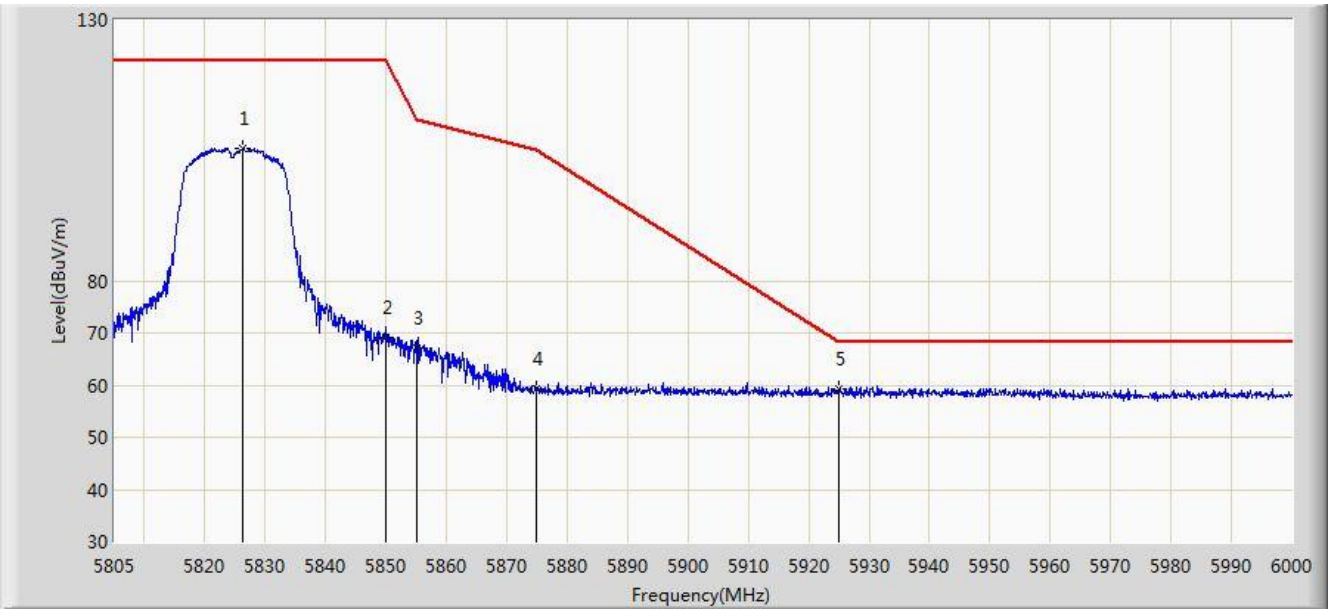


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5650.000	58.007	51.214	-10.193	68.200	6.793	PK
2			5700.000	57.755	50.846	-47.445	105.200	6.909	PK
3			5720.000	57.956	51.052	-52.844	110.800	6.904	PK
4			5725.000	58.365	51.498	-63.835	122.200	6.867	PK
5			5749.243	91.447	84.395	N/A	N/A	7.052	PK

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

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

Site: AC2	Time: 2019/05/07 - 02:56
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at channel 5825MHz	

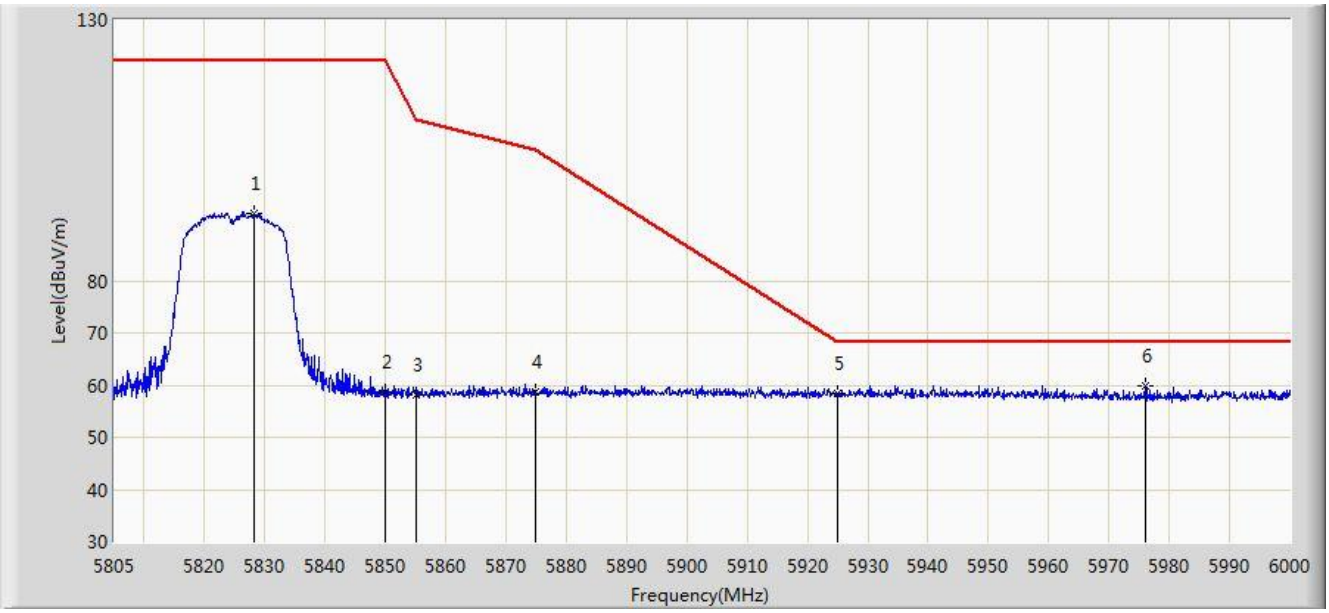


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.158	105.410	98.053	N/A	N/A	7.357	PK
2			5850.000	69.248	61.918	-52.952	122.200	7.331	PK
3			5855.000	67.228	59.900	-43.572	110.800	7.327	PK
4			5875.000	59.413	51.999	-45.787	105.200	7.414	PK
5		*	5925.000	59.135	51.835	-9.065	68.200	7.299	PK

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

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

Site: AC2	Time: 2019/05/07 - 02:58
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at channel 5825MHz	

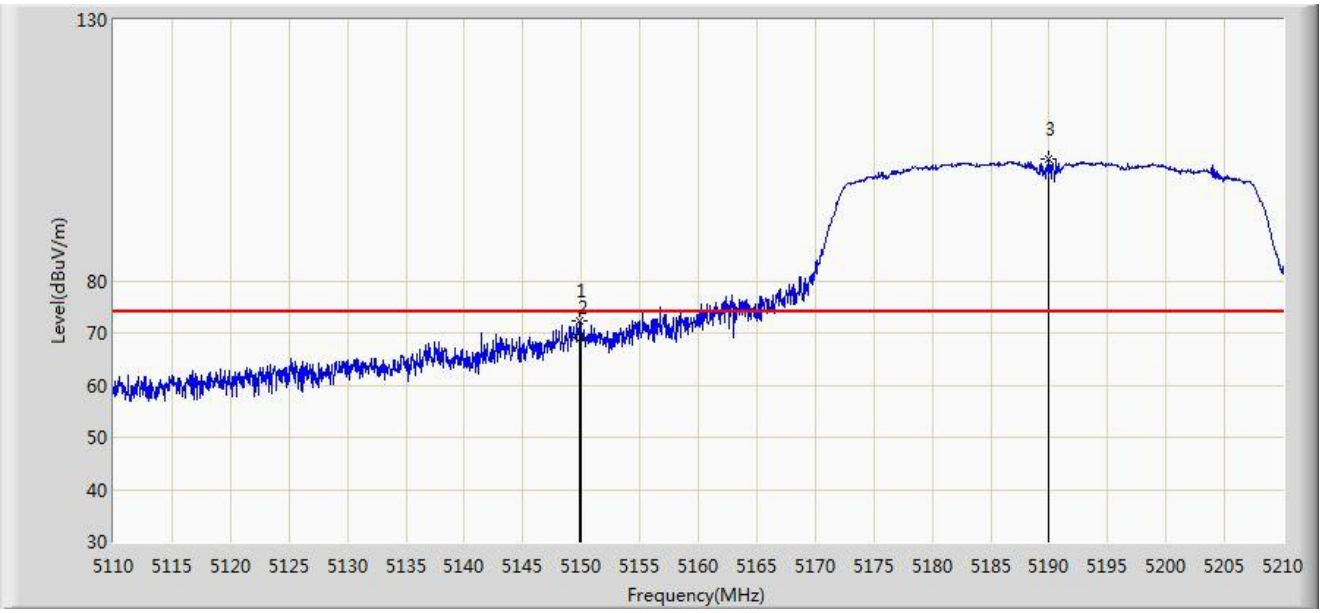


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5828.205	92.892	85.508	N/A	N/A	7.385	PK
2			5850.000	58.707	51.377	-63.493	122.200	7.331	PK
3			5855.000	58.232	50.904	-52.568	110.800	7.327	PK
4			5875.000	58.583	51.169	-46.617	105.200	7.414	PK
5			5925.000	58.447	51.147	-9.753	68.200	7.299	PK
6		*	5976.112	59.908	52.552	-8.292	68.200	7.357	PK

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

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

Site: AC2	Time: 2019/05/07 - 03:00
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT40 at channel 5190MHz	

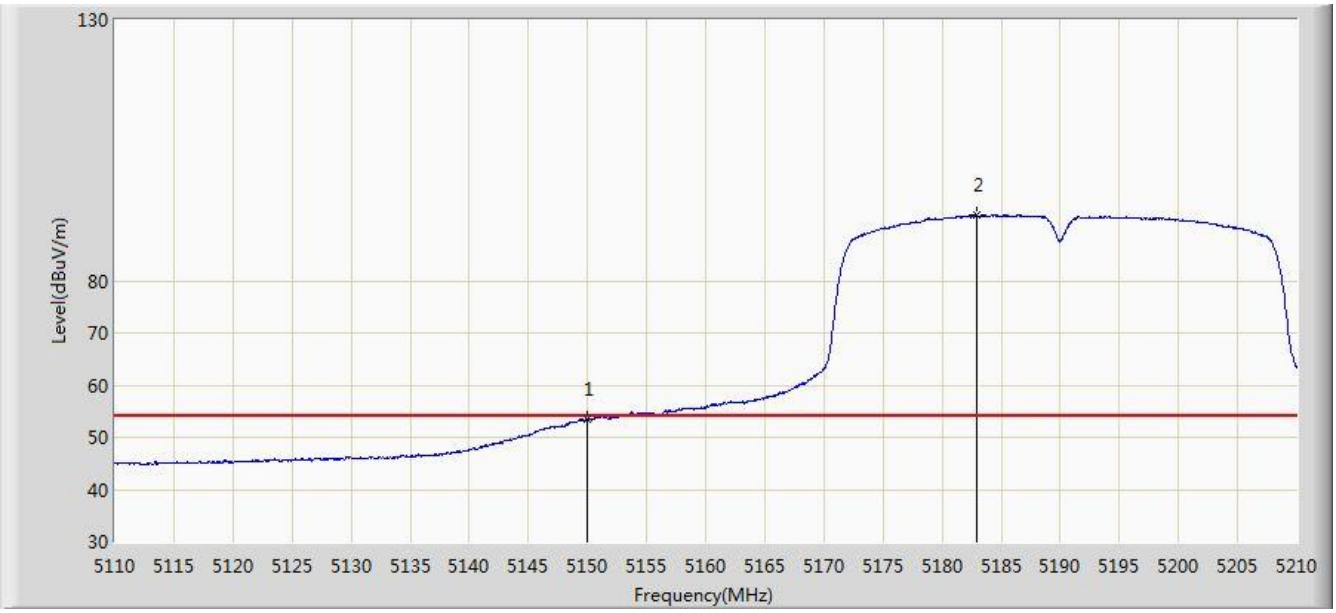


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.800	72.194	65.797	-1.806	74.000	6.396	PK
2			5150.000	69.086	62.689	-4.914	74.000	6.398	PK
3		*	5189.900	103.381	96.870	N/A	N/A	6.511	PK

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

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

Site: AC2	Time: 2019/05/07 - 03:02
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT40 at channel 5190MHz	

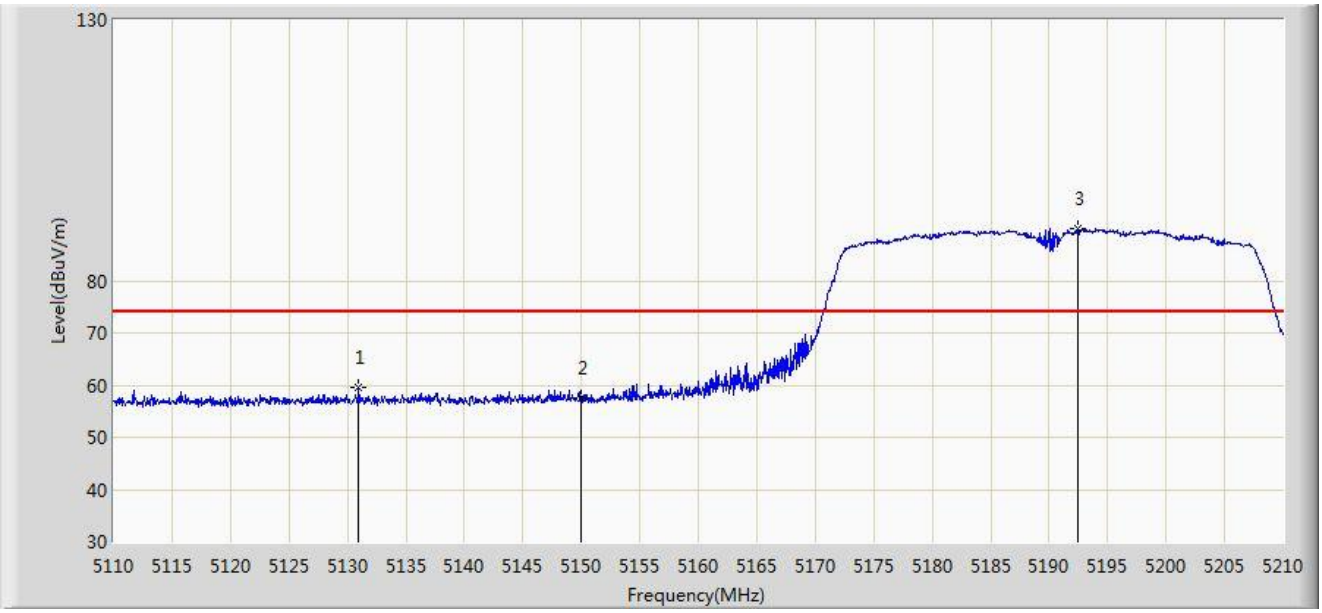


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.458	47.061	-0.542	54.000	6.398	AV
2		*	5182.950	92.578	85.998	N/A	N/A	6.580	AV

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

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

Site: AC2	Time: 2019/05/07 - 03:03
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT40 at channel 5190MHz	

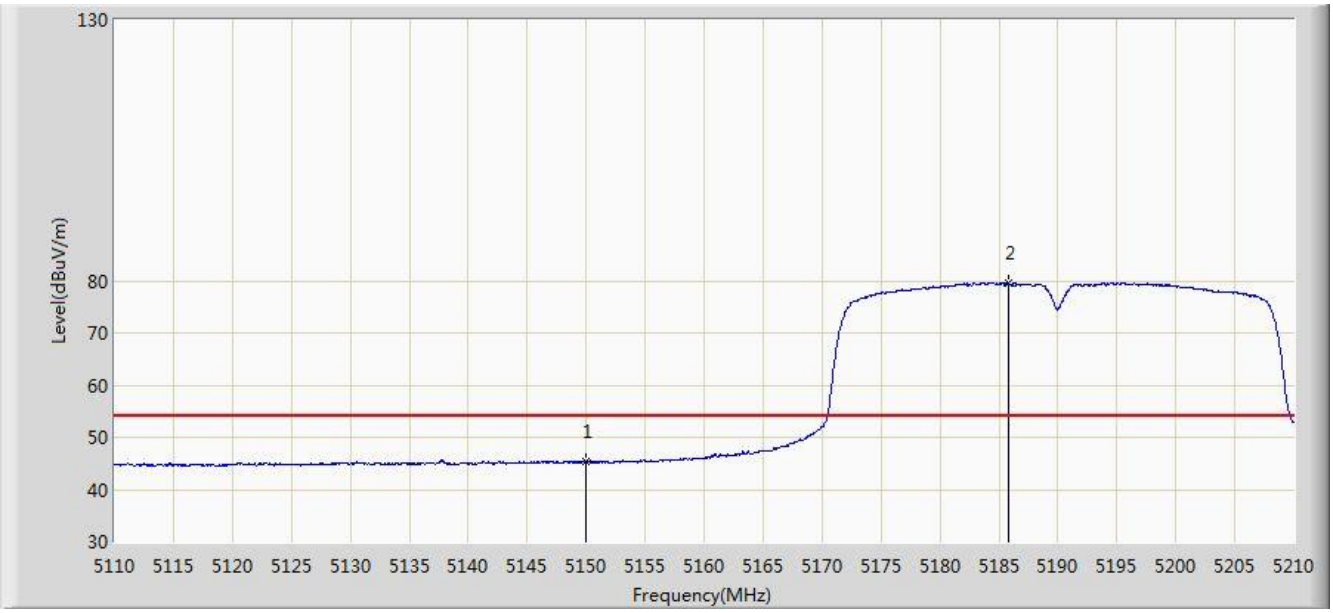


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5130.950	59.613	52.970	-14.387	74.000	6.643	PK
2			5150.000	57.547	51.150	-16.453	74.000	6.398	PK
3		*	5192.400	90.059	83.572	N/A	N/A	6.487	PK

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

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

Site: AC2	Time: 2019/05/07 - 03:04
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT40 at channel 5190MHz	

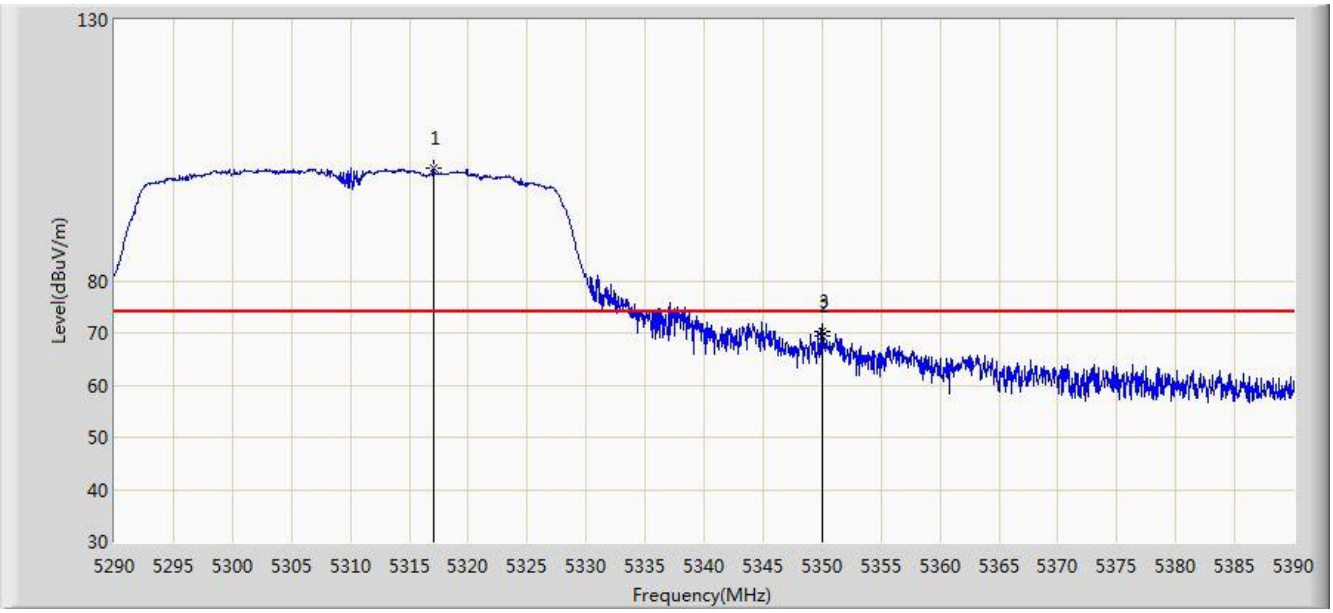


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	45.407	39.010	-8.593	54.000	6.398	AV
2		*	5185.800	79.544	72.992	N/A	N/A	6.551	AV

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

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

Site: AC2	Time: 2019/05/07 - 03:05
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT40 at channel 5310MHz	

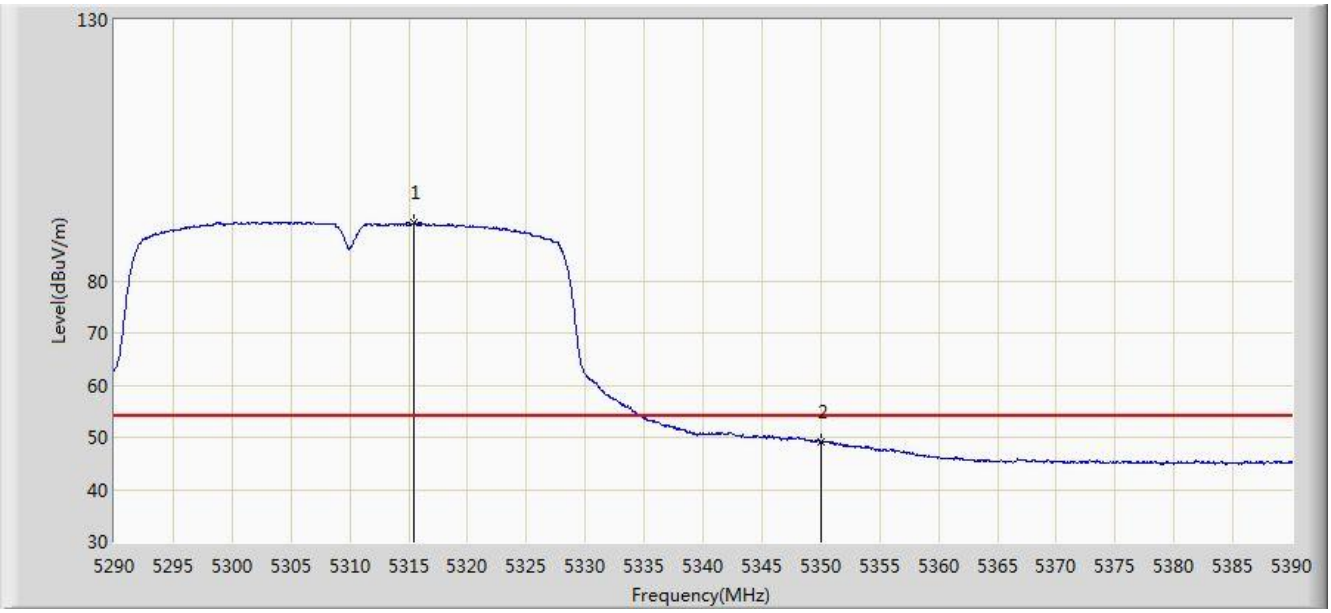


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5317.100	101.535	95.190	N/A	N/A	6.346	PK
2			5350.000	69.511	63.184	-4.489	74.000	6.327	PK
3			5350.050	70.179	63.852	-3.821	74.000	6.327	PK

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

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

Site: AC2	Time: 2019/05/07 - 03:07
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT40 at channel 5310MHz	

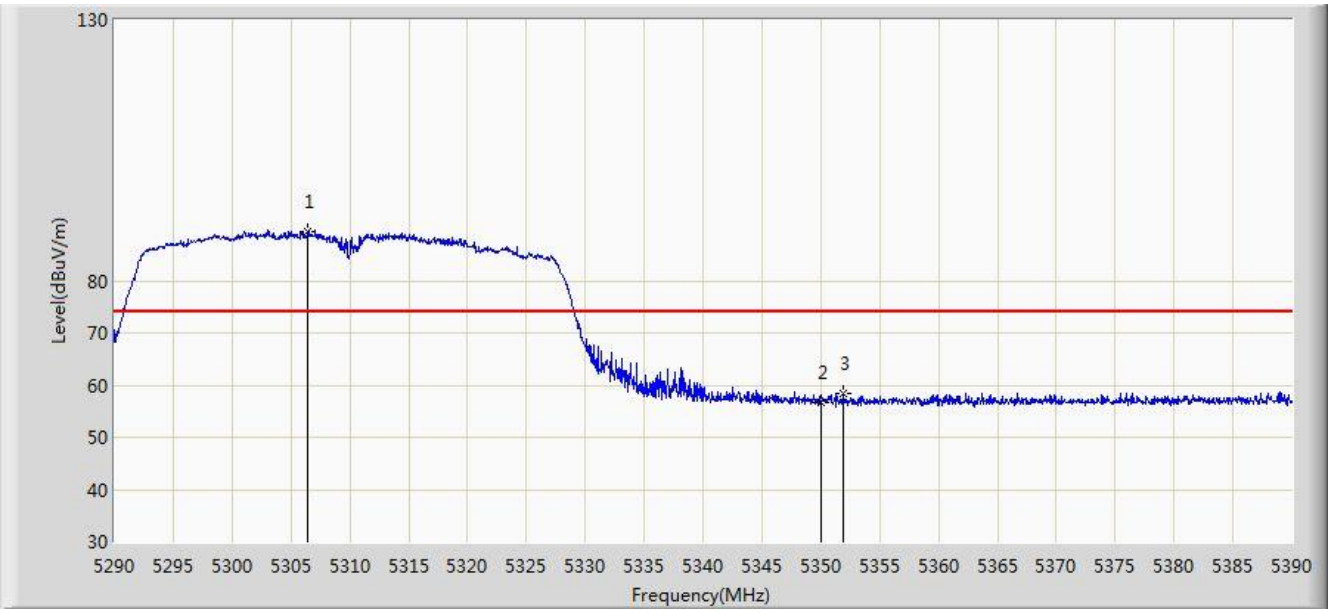


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5315.500	91.042	84.703	N/A	N/A	6.340	AV
2			5350.000	49.023	42.696	-4.977	54.000	6.327	AV

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

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

Site: AC2	Time: 2019/05/07 - 03:07
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT40 at channel 5310MHz	

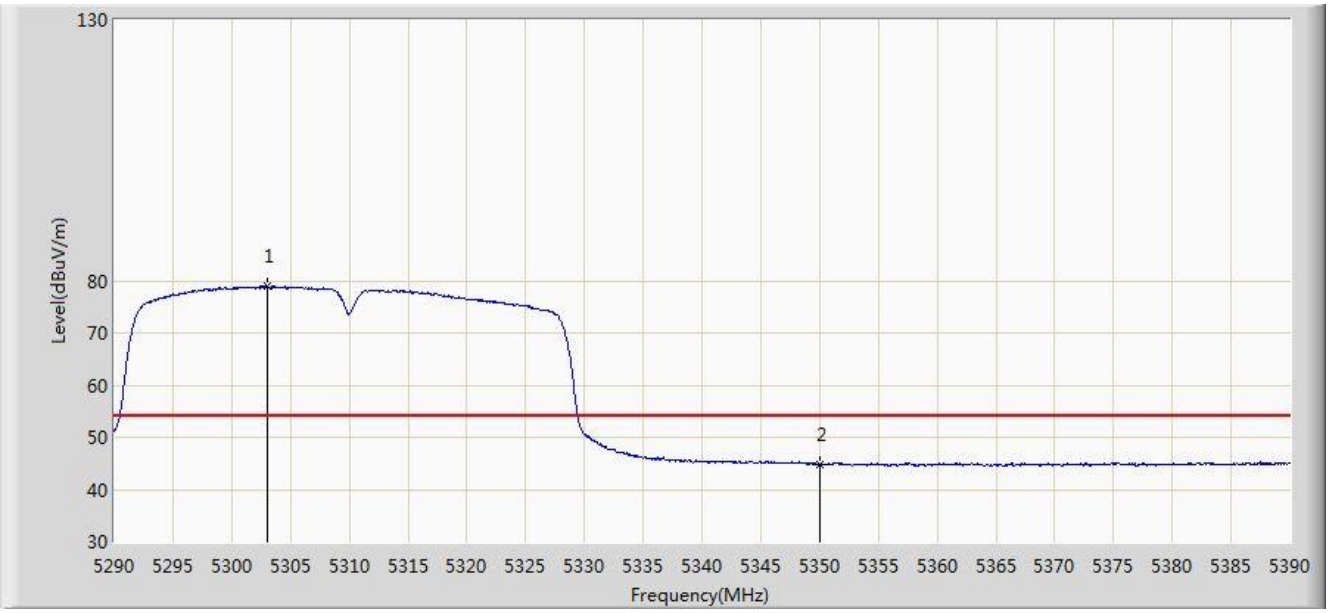


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5306.450	89.503	83.196	N/A	N/A	6.307	PK
2			5350.000	56.707	50.380	-17.293	74.000	6.327	PK
3			5351.900	58.283	51.956	-15.717	74.000	6.326	PK

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

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

Site: AC2	Time: 2019/05/07 - 03:09
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT40 at channel 5310MHz	

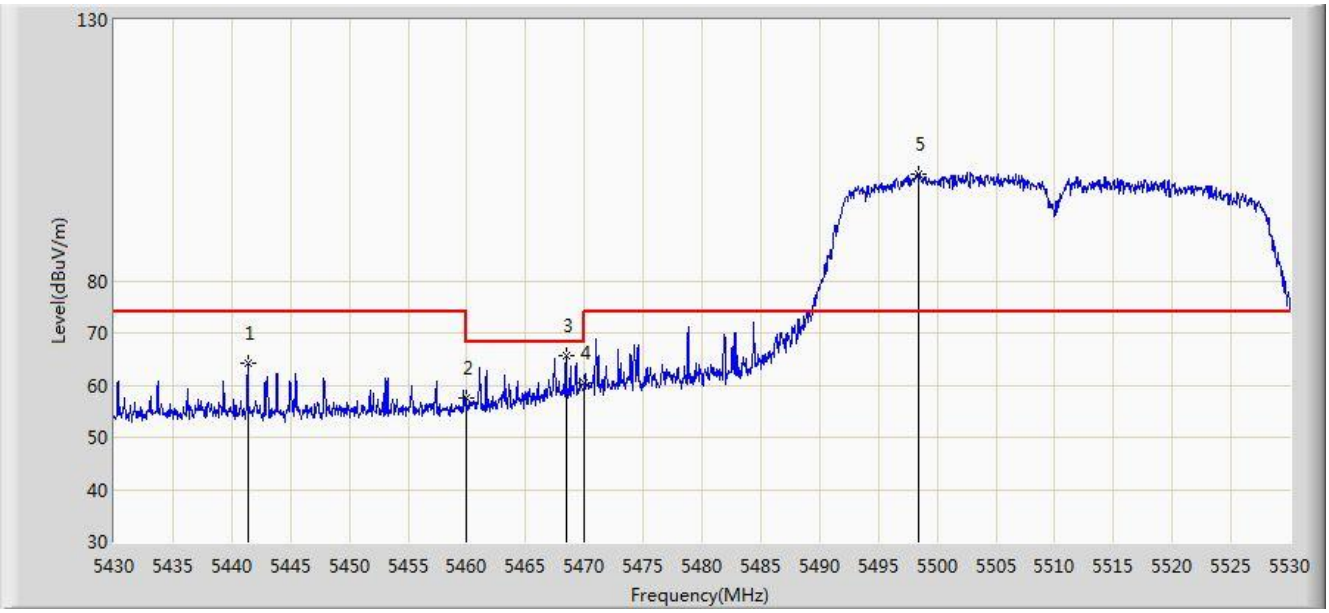


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5303.000	78.916	72.621	N/A	N/A	6.295	AV
2			5350.000	44.888	38.561	-9.112	54.000	6.327	AV

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

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

Site: AC2	Time: 2019/05/07 - 03:09
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT40 at channel 5510MHz	

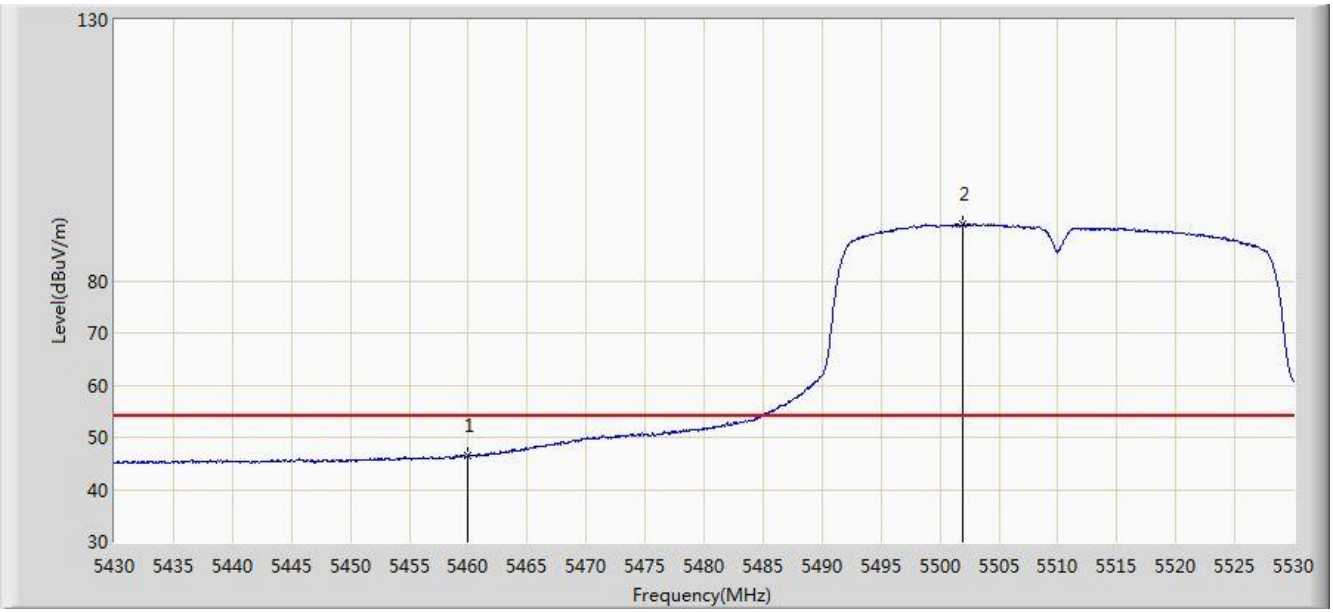


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5441.350	64.059	57.471	-9.941	74.000	6.588	PK
2			5460.000	57.464	50.852	-16.536	74.000	6.612	PK
3			5468.450	65.727	59.153	-2.473	68.200	6.574	PK
4			5470.000	60.323	53.756	-7.877	68.200	6.567	PK
5		*	5498.400	100.360	93.664	N/A	N/A	6.696	PK

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

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

Site: AC2	Time: 2019/05/07 - 03:11
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT40 at channel 5510MHz	

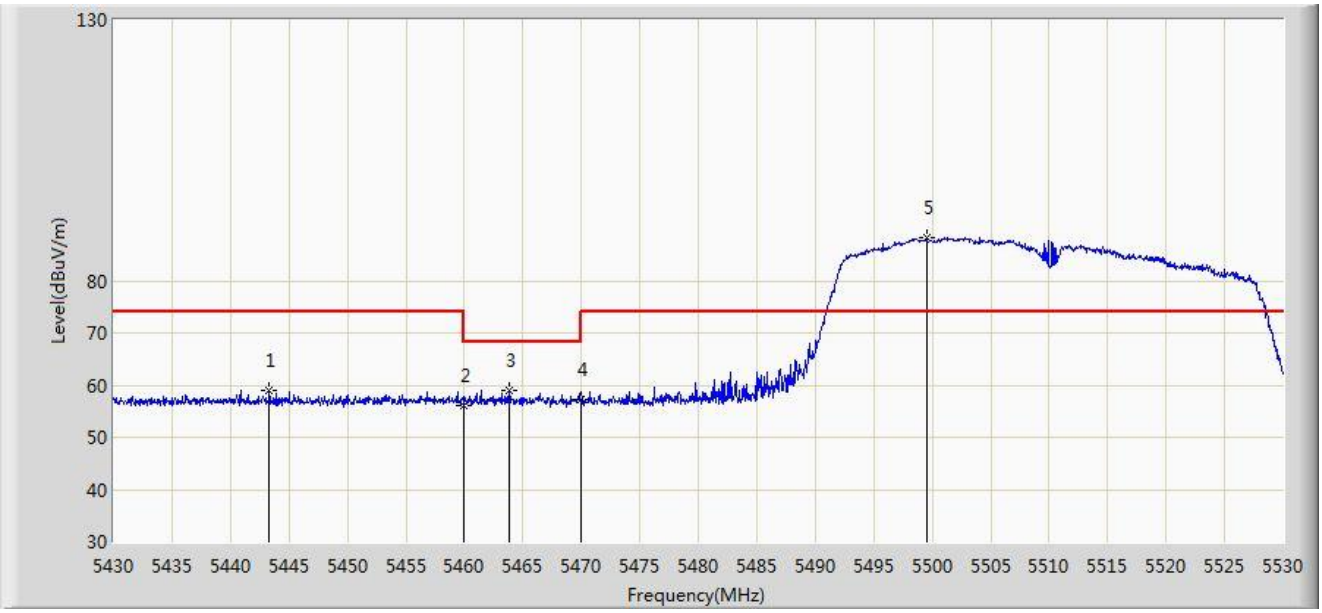


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	46.455	39.843	-7.545	54.000	6.612	AV
2		*	5501.950	90.750	84.028	N/A	N/A	6.722	AV

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

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

Site: AC2	Time: 2019/05/07 - 03:11
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT40 at channel 5510MHz	

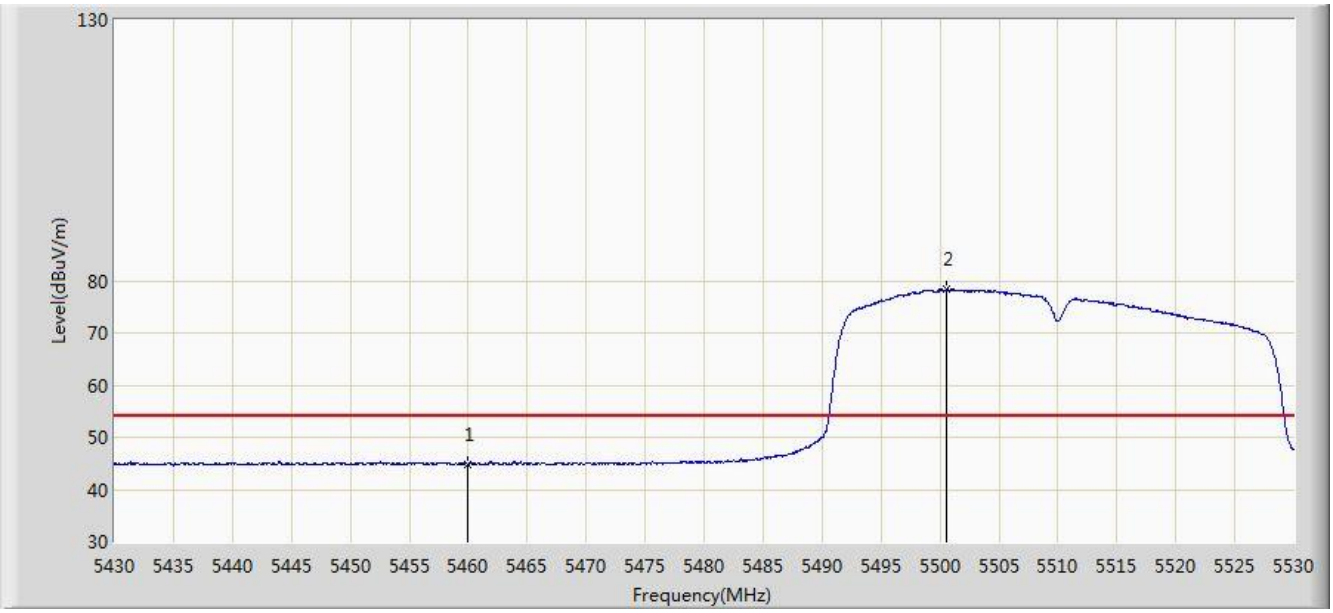


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5443.300	59.045	52.449	-14.955	74.000	6.596	PK
2			5460.000	56.191	49.579	-17.809	74.000	6.612	PK
3			5463.850	58.938	52.343	-9.262	68.200	6.595	PK
4			5470.000	57.360	50.793	-10.840	68.200	6.567	PK
5		*	5499.500	88.289	81.585	N/A	N/A	6.704	PK

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

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

Site: AC2	Time: 2019/05/07 - 03:12
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT40 at channel 5510MHz	

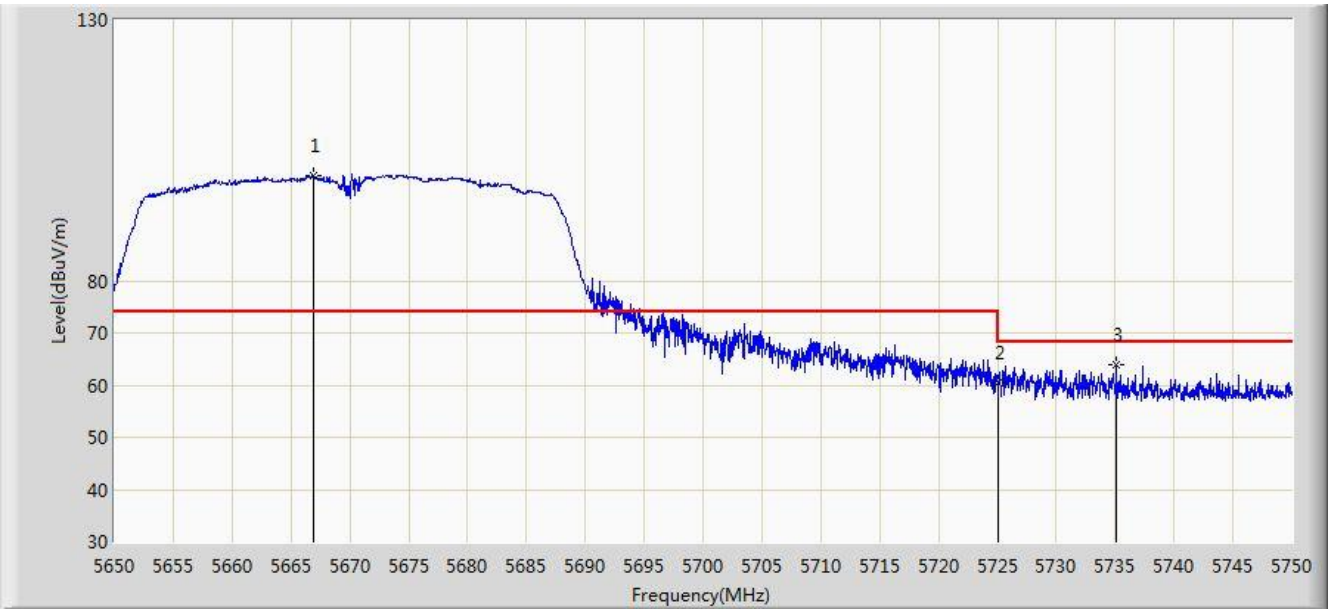


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	44.825	38.213	-9.175	54.000	6.612	AV
2		*	5500.600	78.304	71.592	N/A	N/A	6.711	AV

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

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

Site: AC2	Time: 2019/05/07 - 03:13
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT40 at channel 5670MHz	

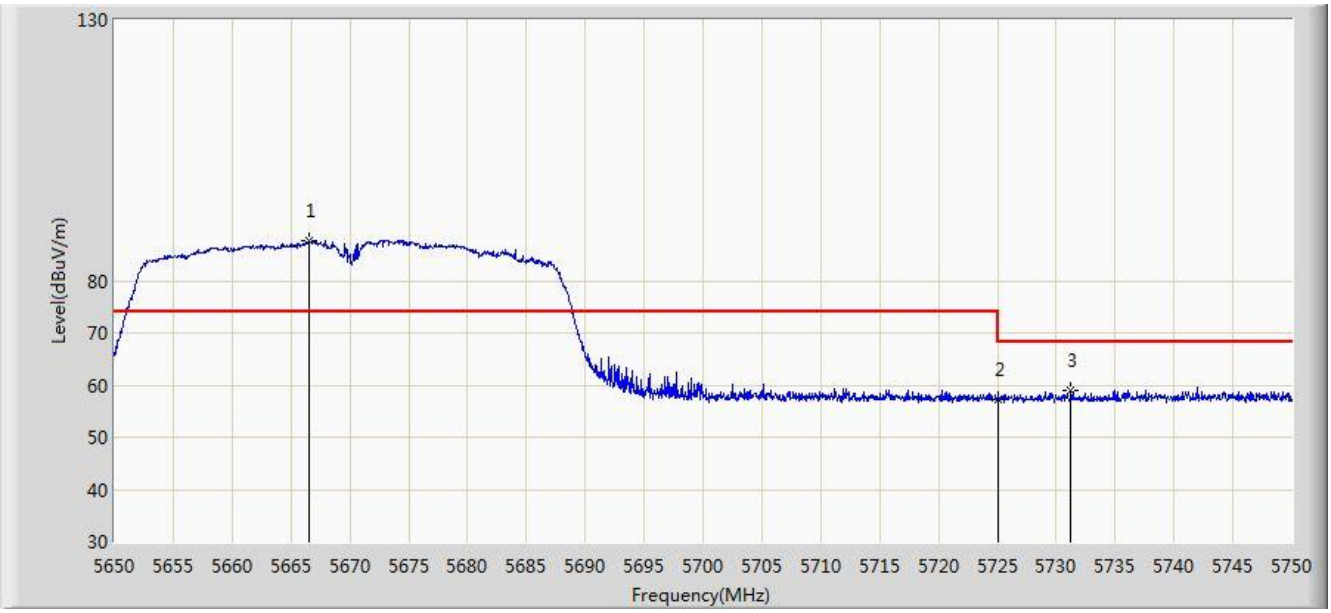


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5666.900	100.166	93.429	N/A	N/A	6.737	PK
2			5725.000	60.547	53.680	-7.653	68.200	6.867	PK
3			5735.150	63.839	56.916	-4.361	68.200	6.923	PK

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

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

Site: AC2	Time: 2019/05/07 - 03:15
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT40 at channel 5670MHz	

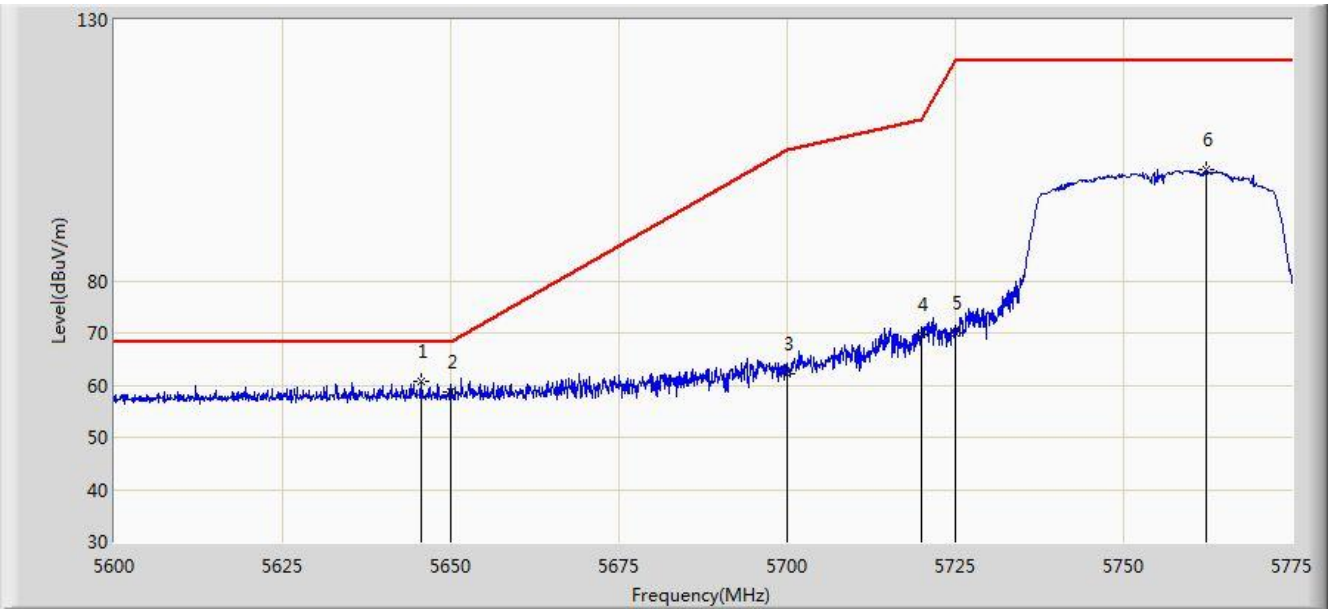


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5666.600	87.619	80.881	N/A	N/A	6.739	PK
2			5725.000	57.259	50.392	-10.941	68.200	6.867	PK
3			5731.250	59.101	52.205	-9.099	68.200	6.896	PK

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

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

Site: AC2	Time: 2019/05/07 - 03:17
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT40 at channel 5755MHz	

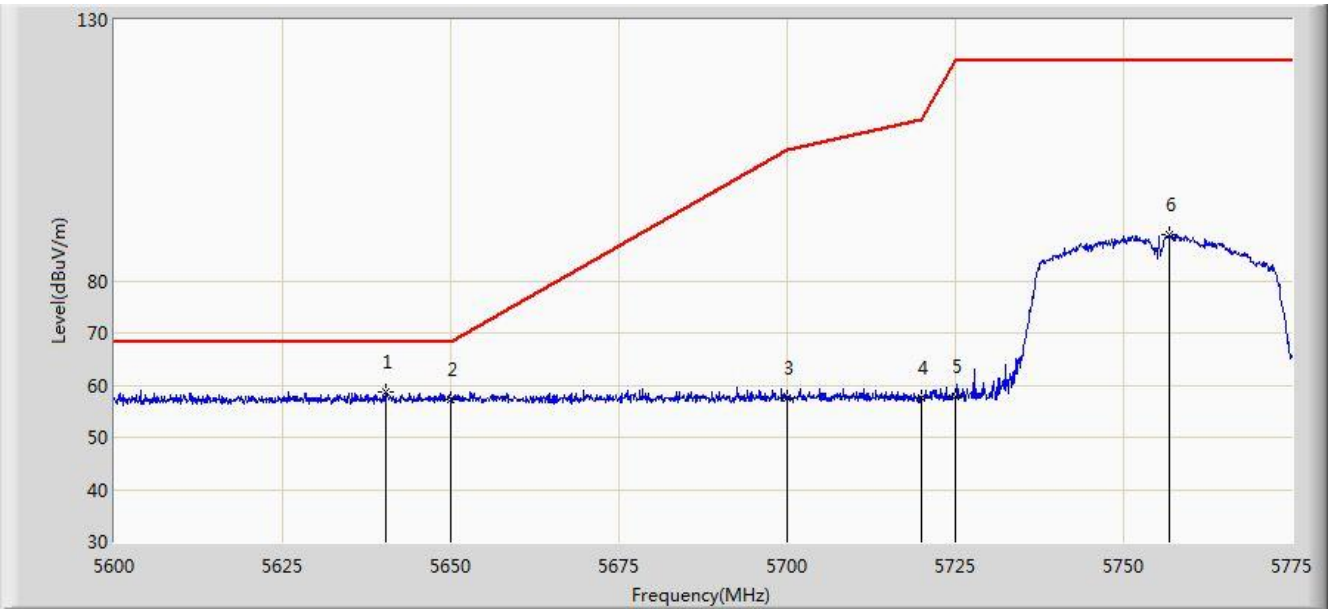


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5645.675	60.749	53.937	-7.451	68.200	6.812	PK
2			5650.000	58.720	51.927	-9.480	68.200	6.793	PK
3			5700.000	62.286	55.377	-42.914	105.200	6.909	PK
4			5720.000	69.582	62.678	-41.218	110.800	6.904	PK
5			5725.000	69.870	63.003	-52.330	122.200	6.867	PK
6			5762.225	101.272	94.088	N/A	N/A	7.184	PK

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

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

Site: AC2	Time: 2019/05/07 - 03:19
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT40 at channel 5755MHz	

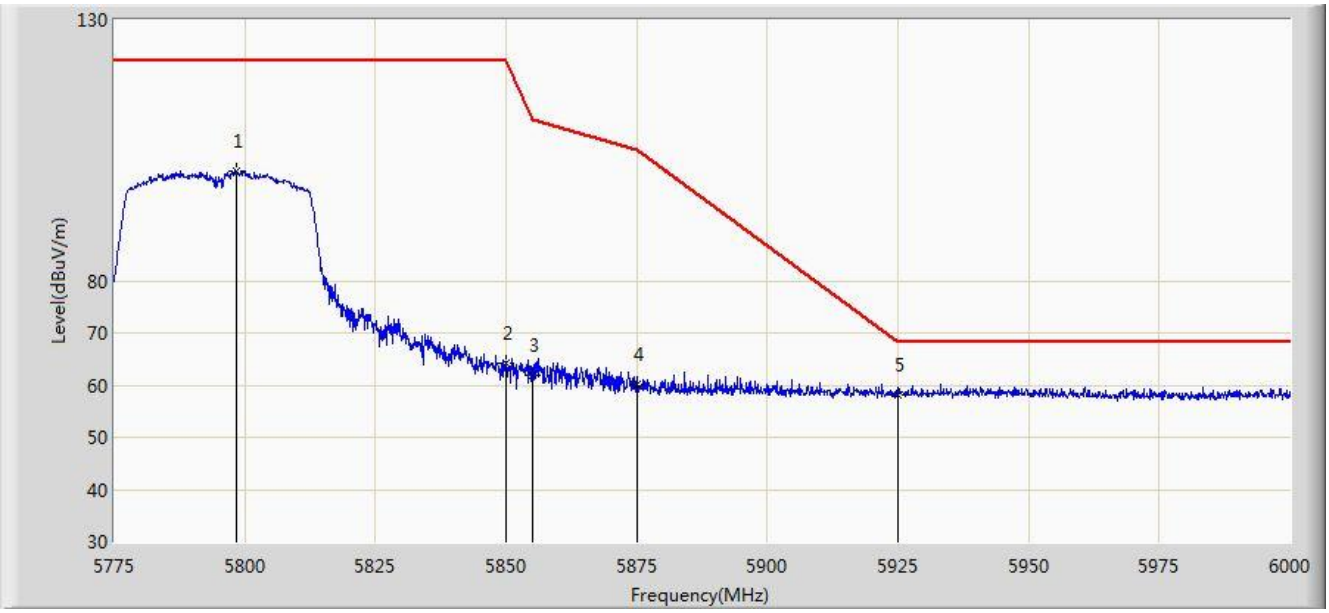


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5640.250	58.600	51.773	-9.600	68.200	6.827	PK
2			5650.000	57.159	50.366	-11.041	68.200	6.793	PK
3			5700.000	57.423	50.514	-47.777	105.200	6.909	PK
4			5720.000	57.582	50.678	-53.218	110.800	6.904	PK
5			5725.000	57.705	50.838	-64.495	122.200	6.867	PK
6			5756.712	88.863	81.720	N/A	N/A	7.143	PK

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

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

Site: AC2	Time: 2019/05/07 - 03:21
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT40 at channel 5795MHz	

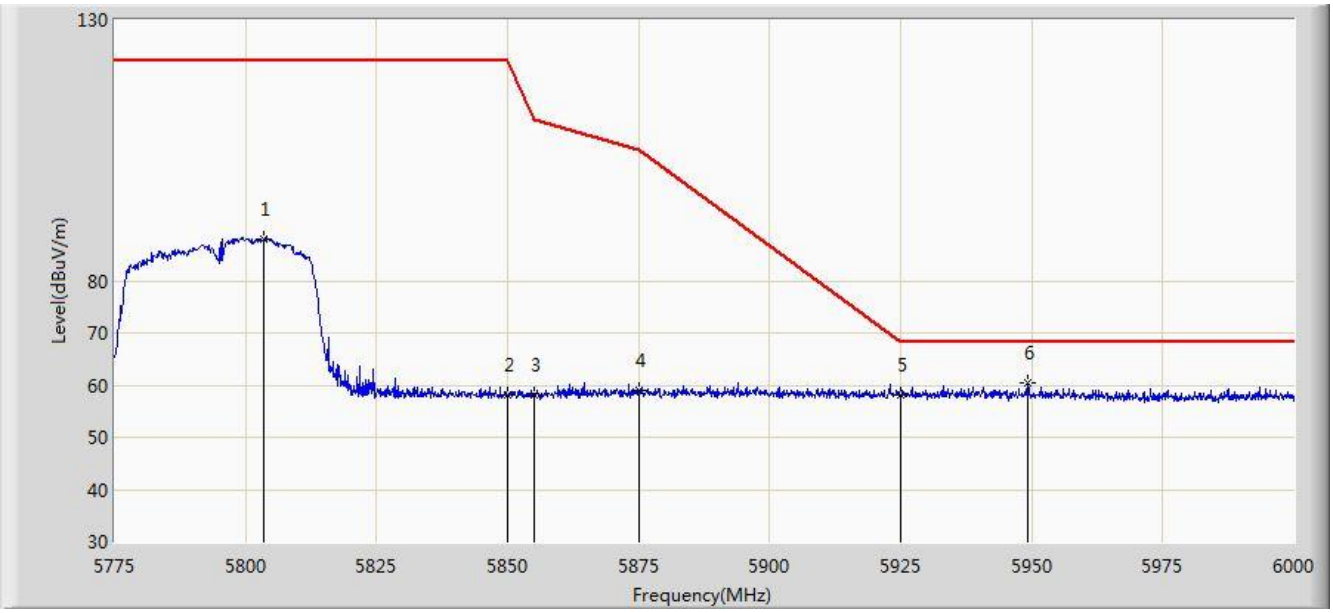


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5798.513	101.073	94.016	N/A	N/A	7.057	PK
2			5850.000	64.247	56.917	-57.953	122.200	7.331	PK
3			5855.000	62.014	54.686	-48.786	110.800	7.327	PK
4			5875.000	60.128	52.714	-45.072	105.200	7.414	PK
5		*	5925.000	58.070	50.770	-10.130	68.200	7.299	PK

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

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

Site: AC2	Time: 2019/05/07 - 03:23
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT40 at channel 5795MHz	

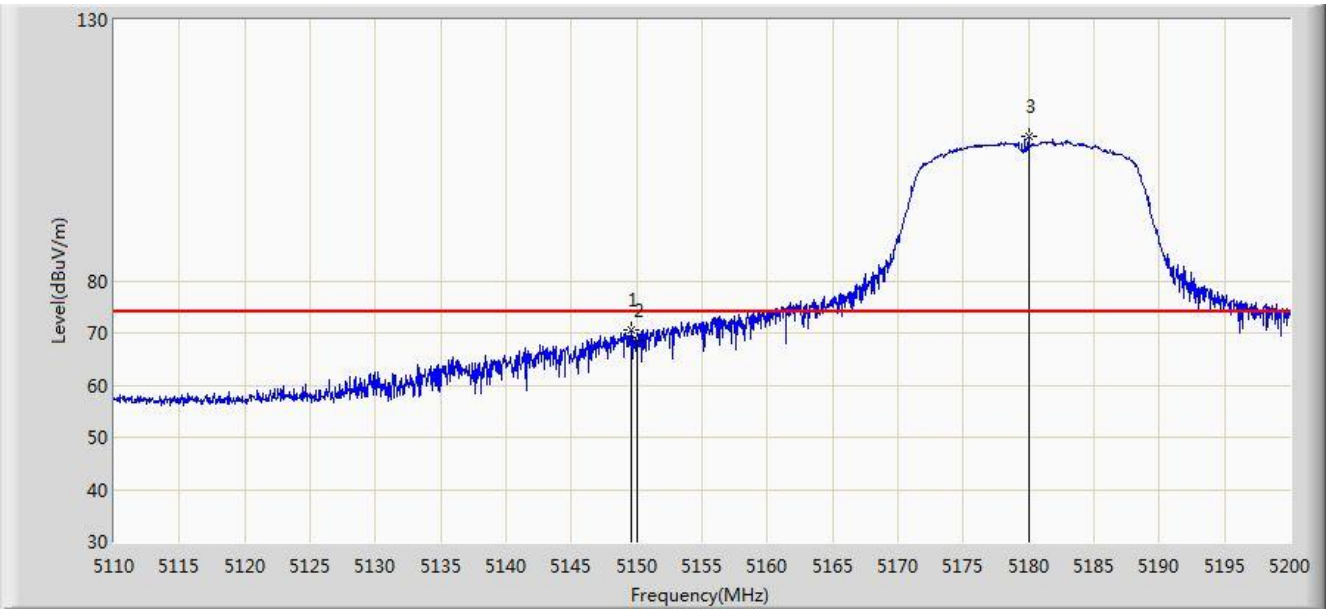


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5803.575	88.099	81.012	N/A	N/A	7.087	PK
2			5850.000	58.056	50.726	-64.144	122.200	7.331	PK
3			5855.000	58.087	50.759	-52.713	110.800	7.327	PK
4			5875.000	58.895	51.481	-46.305	105.200	7.414	PK
5			5925.000	58.092	50.792	-10.108	68.200	7.299	PK
6		*	5949.375	60.360	52.874	-7.840	68.200	7.486	PK

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

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

Site: AC2	Time: 2019/05/07 - 03:25
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz	

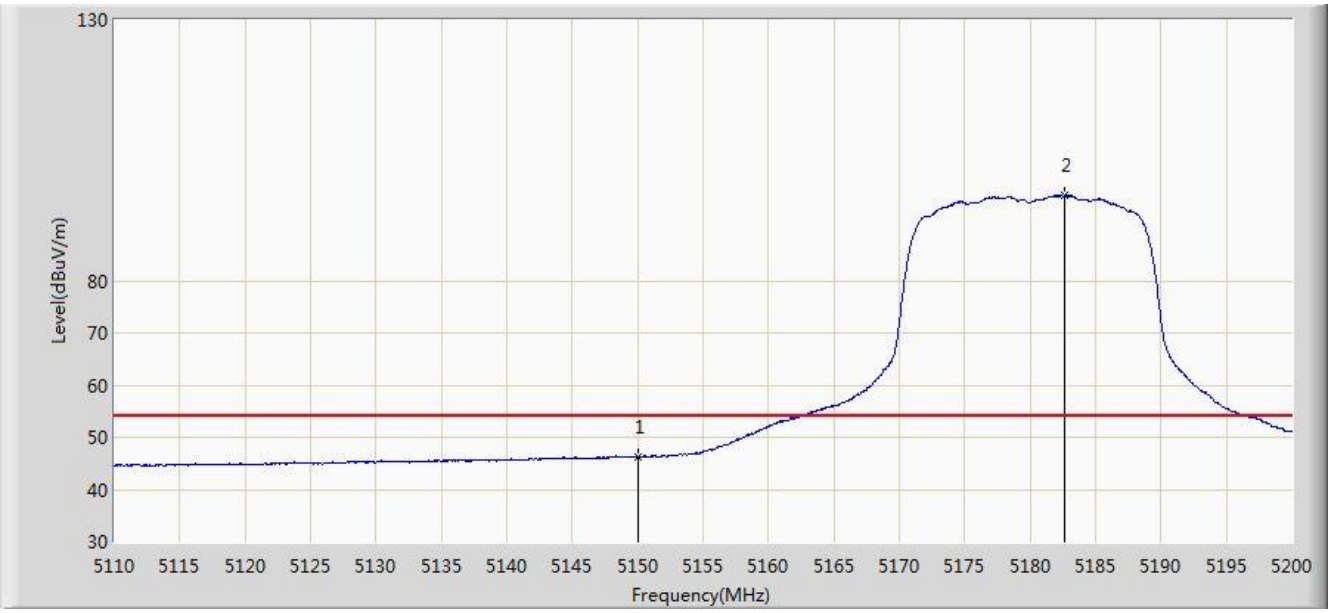


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.600	70.680	64.284	-3.320	74.000	6.395	PK
2			5150.000	68.445	62.048	-5.555	74.000	6.398	PK
3		*	5180.020	107.614	101.044	N/A	N/A	6.570	PK

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

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

Site: AC2	Time: 2019/05/07 - 03:27
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz	

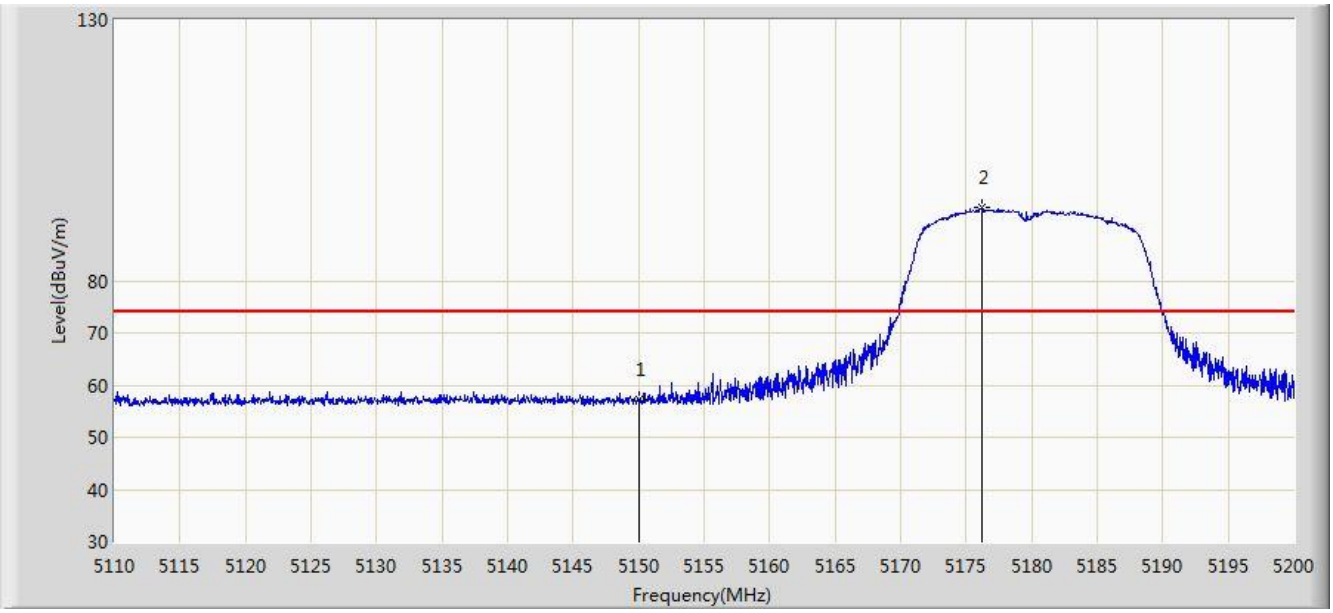


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.323	39.926	-7.677	54.000	6.398	AV
2		*	5182.630	96.308	89.725	N/A	N/A	6.583	AV

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

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

Site: AC2	Time: 2019/05/07 - 03:28
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz	

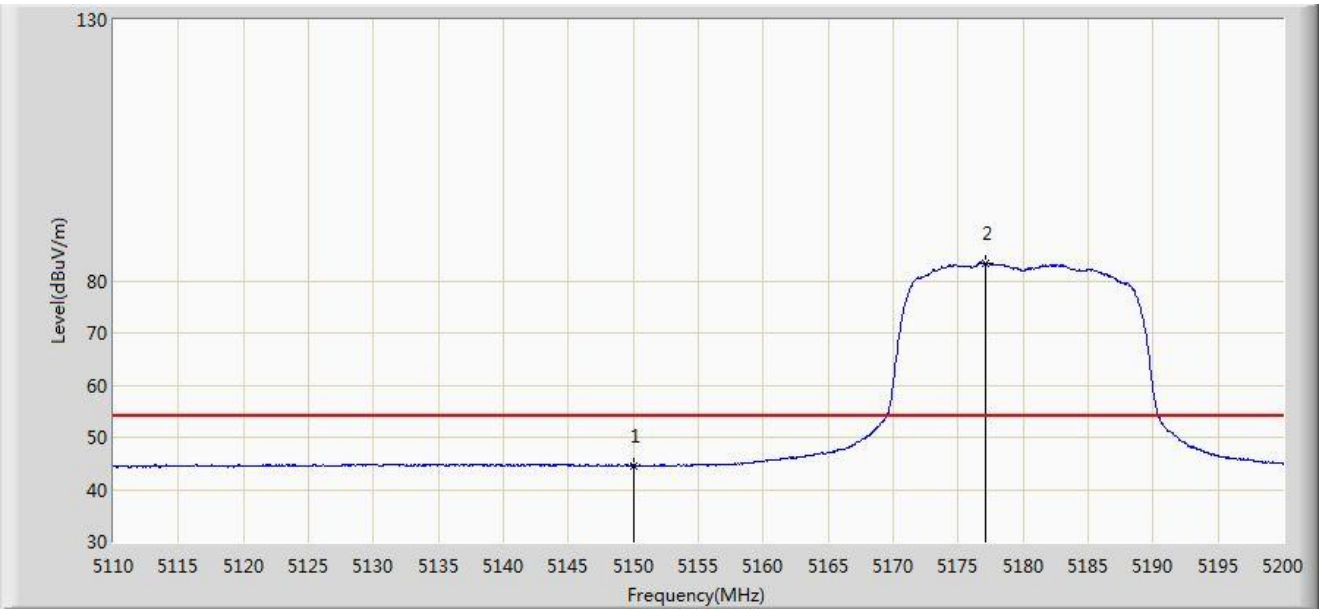


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	57.196	50.799	-16.804	74.000	6.398	PK
2		*	5176.240	93.914	87.381	N/A	N/A	6.533	PK

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

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

Site: AC2	Time: 2019/05/07 - 03:29
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz	

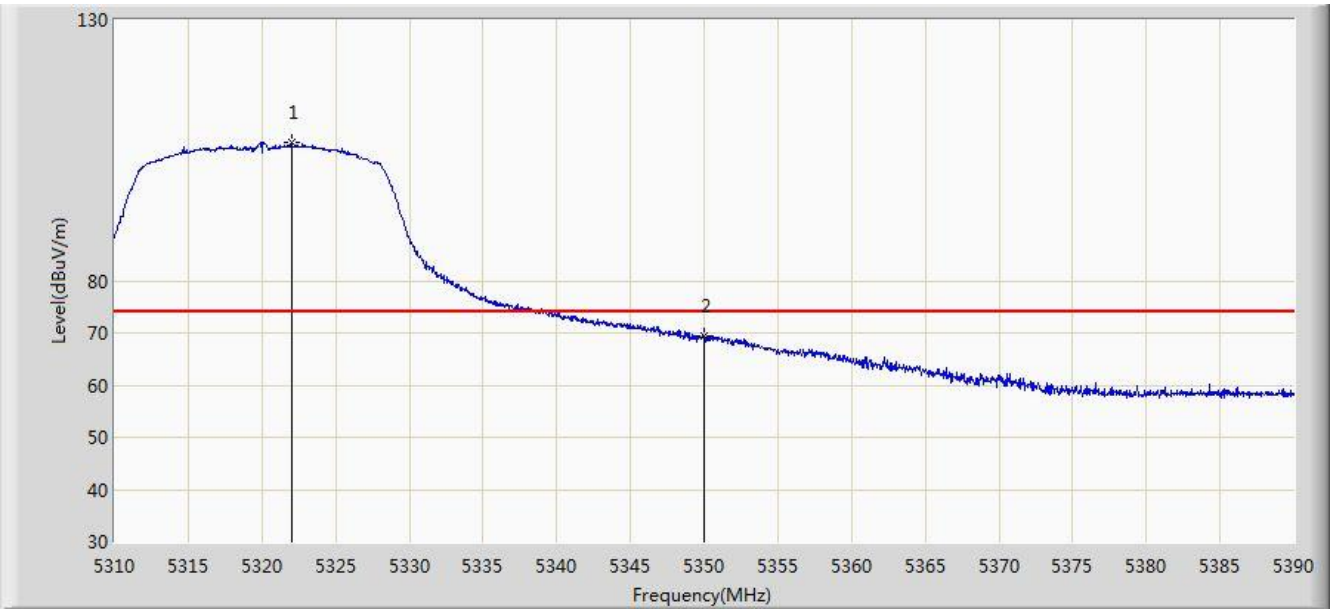


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	44.568	38.171	-9.432	54.000	6.398	AV
2		*	5177.140	83.266	76.724	N/A	N/A	6.542	AV

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

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

Site: AC2	Time: 2019/05/07 - 03:30
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at channel 5320MHz	

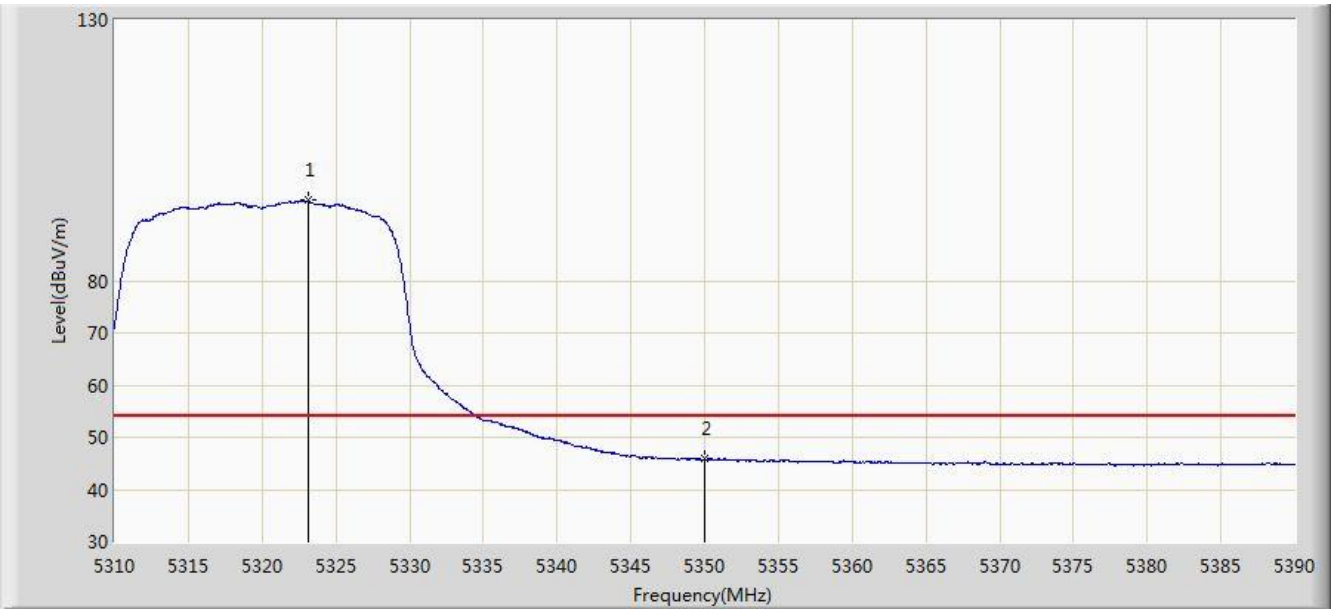


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.040	106.391	100.046	N/A	N/A	6.344	PK
2			5350.000	69.401	63.074	-4.599	74.000	6.327	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:00
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at channel 5320MHz	

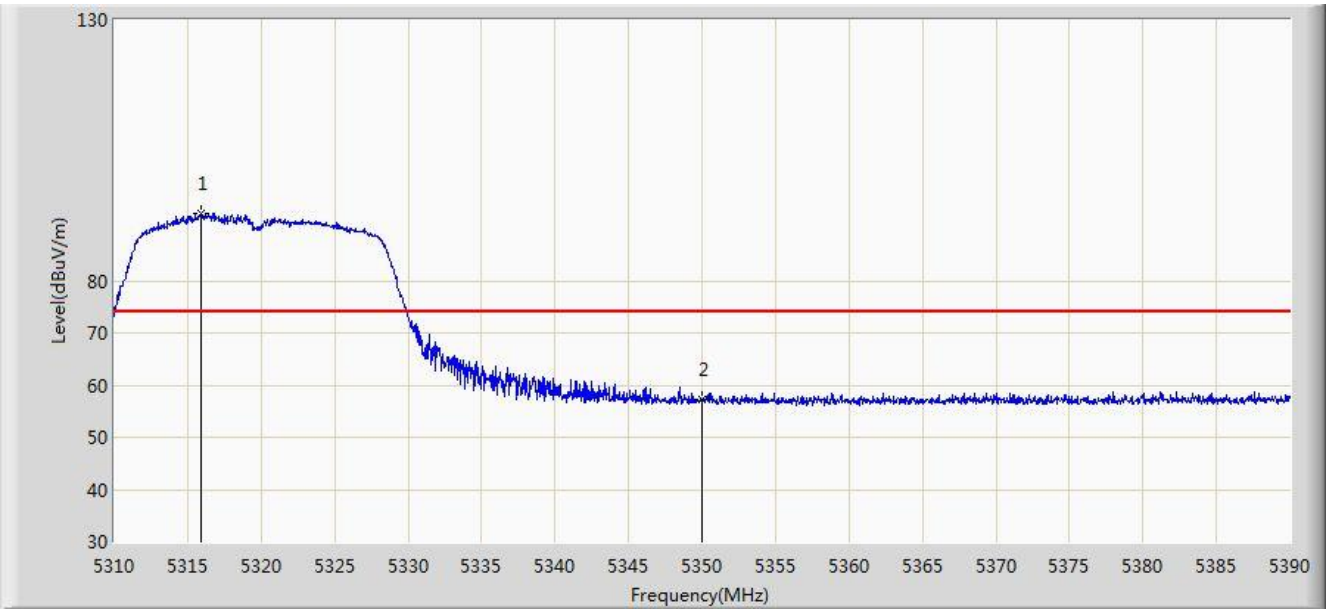


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5323.160	95.387	89.043	N/A	N/A	6.343	AV
2			5350.000	45.872	39.545	-8.128	54.000	6.327	AV

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

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

Site: AC2	Time: 2019/05/07 - 04:01
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at channel 5320MHz	

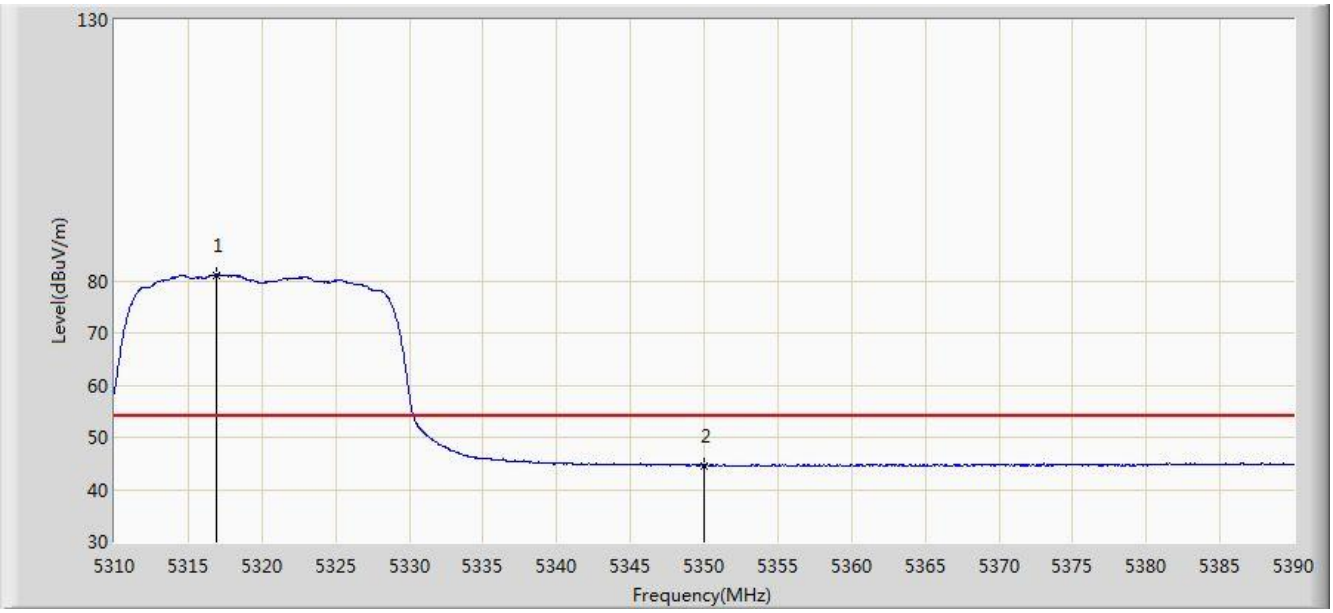


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5315.920	92.958	86.617	N/A	N/A	6.340	PK
2			5350.000	57.359	51.032	-16.641	74.000	6.327	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:02
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at channel 5320MHz	

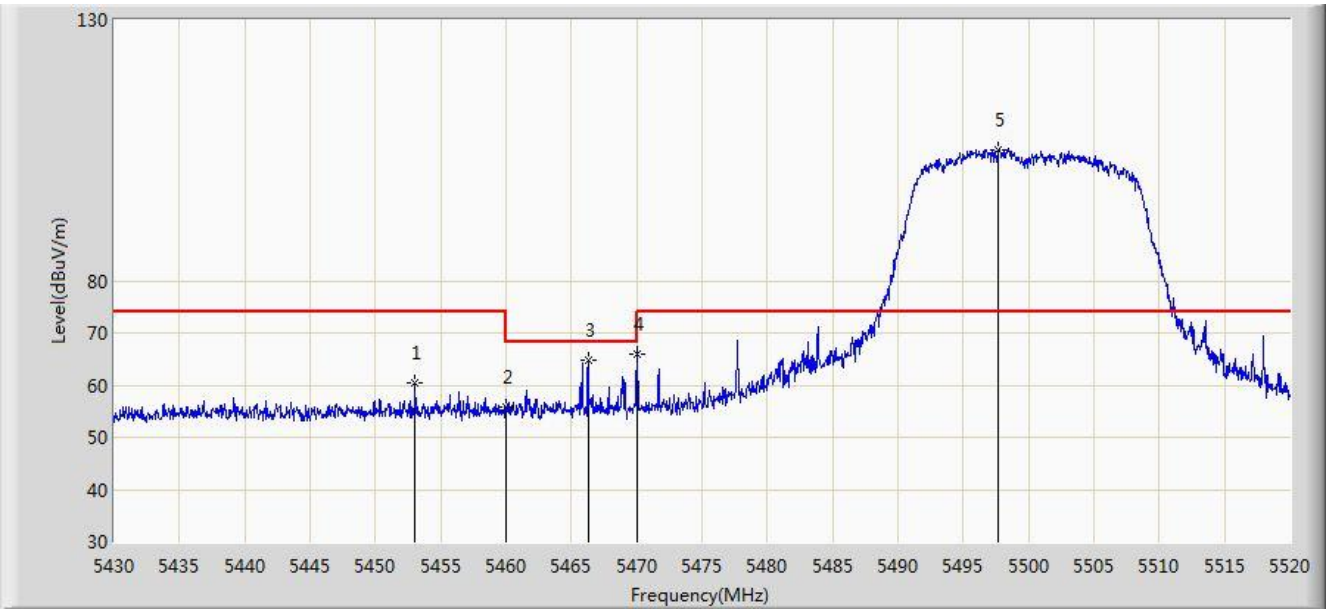


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5316.920	81.157	74.812	N/A	N/A	6.344	AV
2			5350.000	44.627	38.300	-9.373	54.000	6.327	AV

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

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

Site: AC2	Time: 2019/05/07 - 04:03
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at channel 5500MHz	

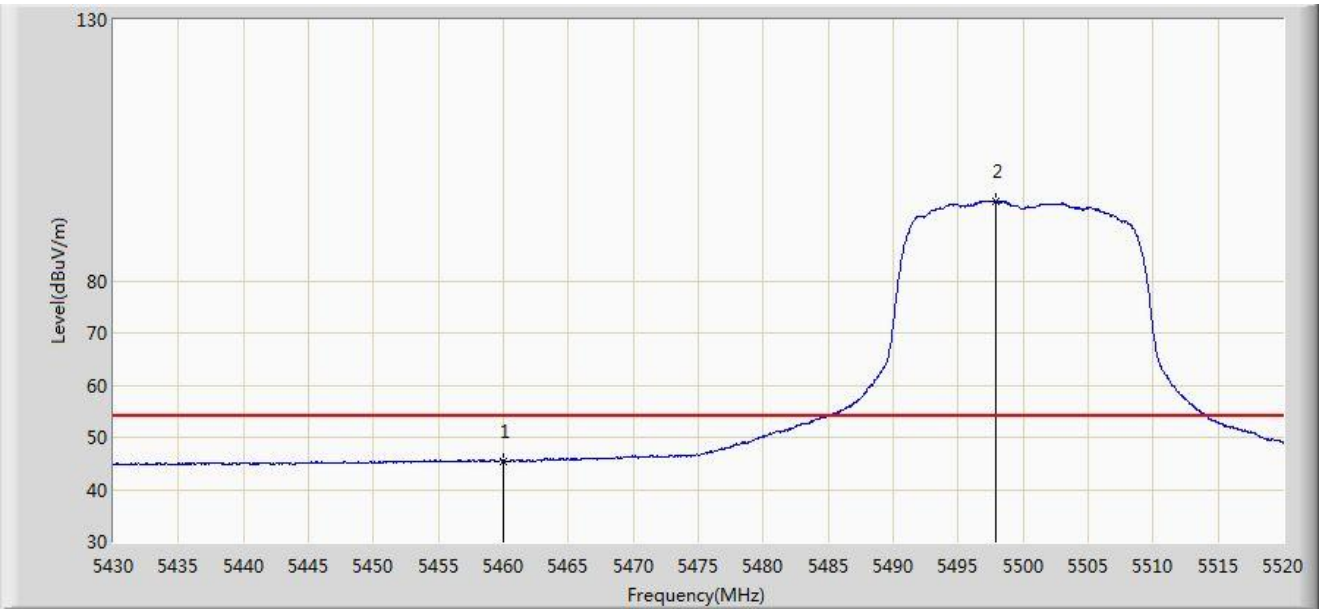


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5453.040	60.443	53.808	-13.557	74.000	6.635	PK
2			5460.000	55.673	49.061	-18.327	74.000	6.612	PK
3			5466.270	64.838	58.254	-3.362	68.200	6.584	PK
4			5470.000	66.078	59.511	-2.122	68.200	6.567	PK
5		*	5497.680	105.161	98.470	N/A	N/A	6.691	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:06
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at channel 5500MHz	

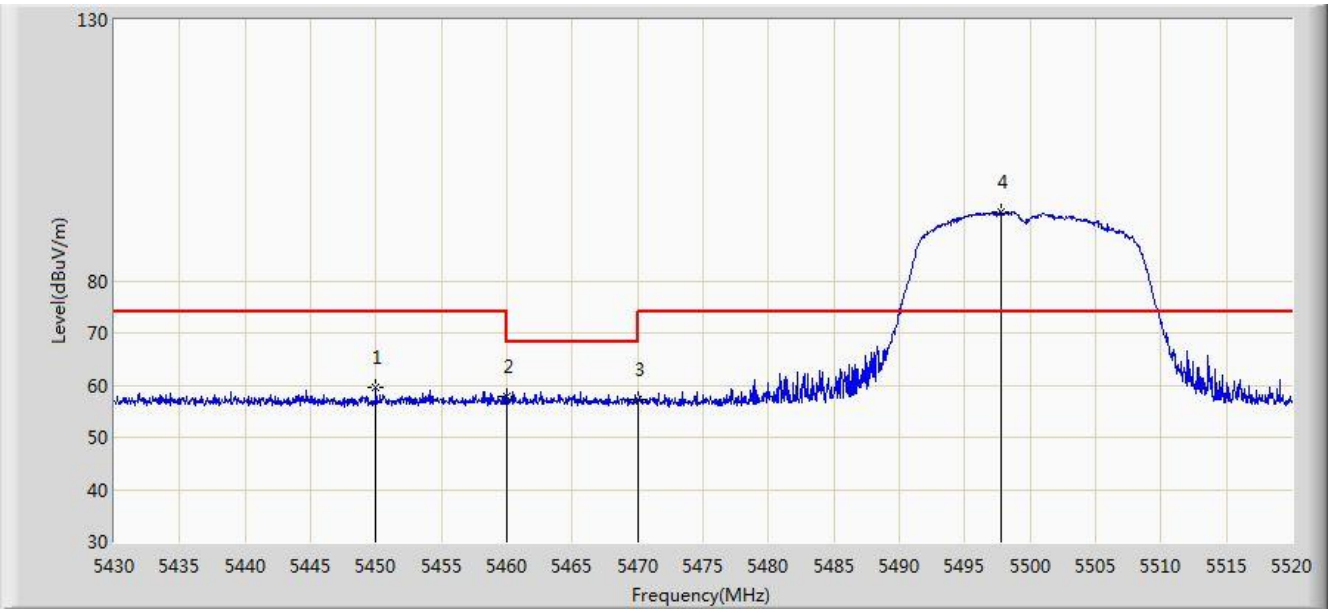


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	45.461	38.849	-8.539	54.000	6.612	AV
2		*	5497.950	95.127	88.434	N/A	N/A	6.693	AV

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

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

Site: AC2	Time: 2019/05/07 - 04:06
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at channel 5500MHz	

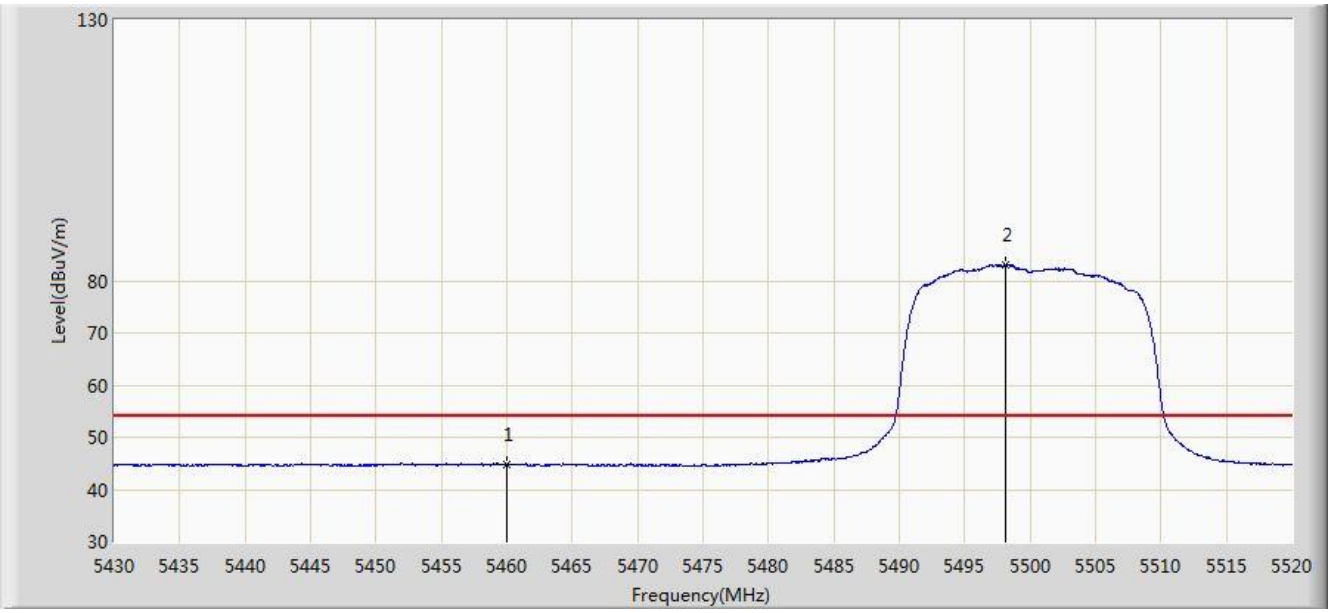


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5449.980	59.500	52.877	-14.500	74.000	6.623	PK
2			5460.000	57.933	51.321	-16.067	74.000	6.612	PK
3			5470.000	57.255	50.688	-10.945	68.200	6.567	PK
4		*	5497.815	93.126	86.434	N/A	N/A	6.691	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:07
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at channel 5500MHz	

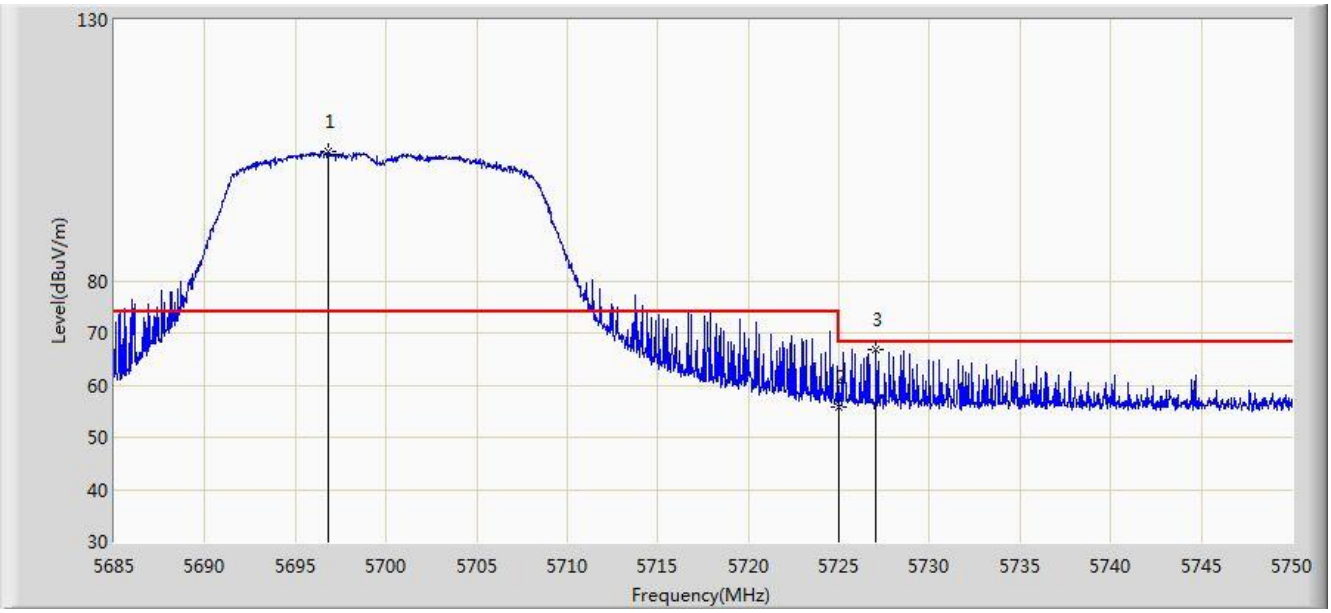


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	44.780	38.168	-9.220	54.000	6.612	AV
2		*	5498.085	82.965	76.271	N/A	N/A	6.694	AV

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

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

Site: AC2	Time: 2019/05/07 - 04:08
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at channel 5700MHz	

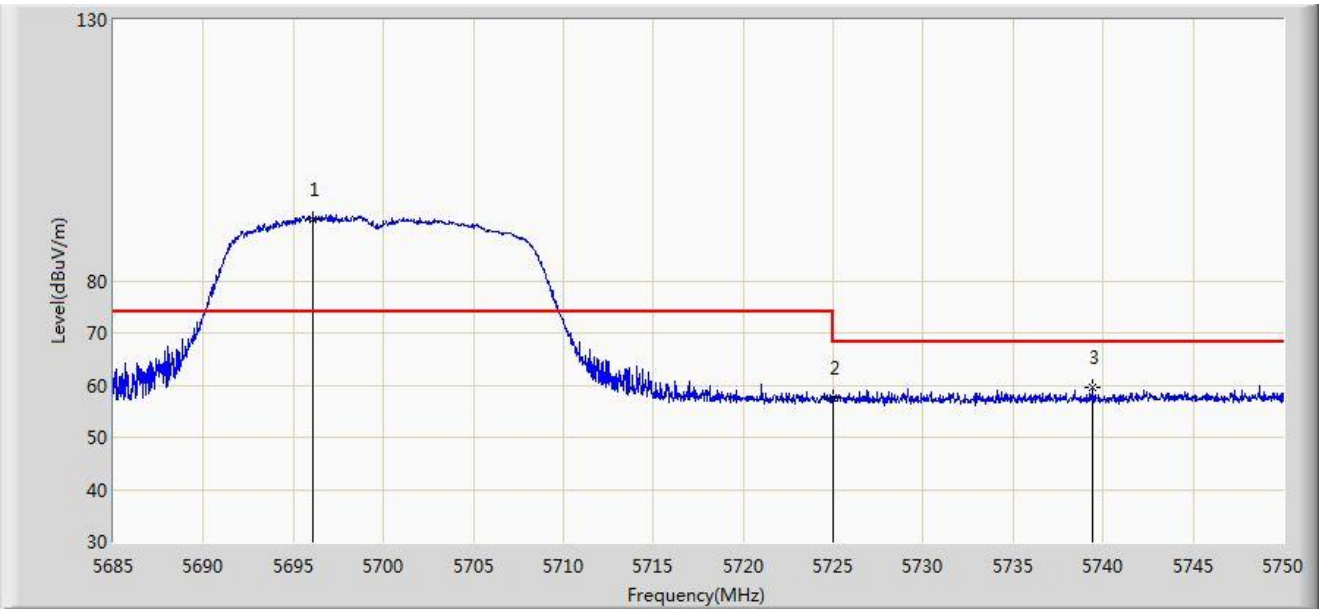


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5696.830	104.698	97.813	N/A	N/A	6.885	PK
2			5725.000	55.788	48.921	-12.412	68.200	6.867	PK
3			5727.055	66.831	59.964	-1.369	68.200	6.867	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:10
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at channel 5700MHz	

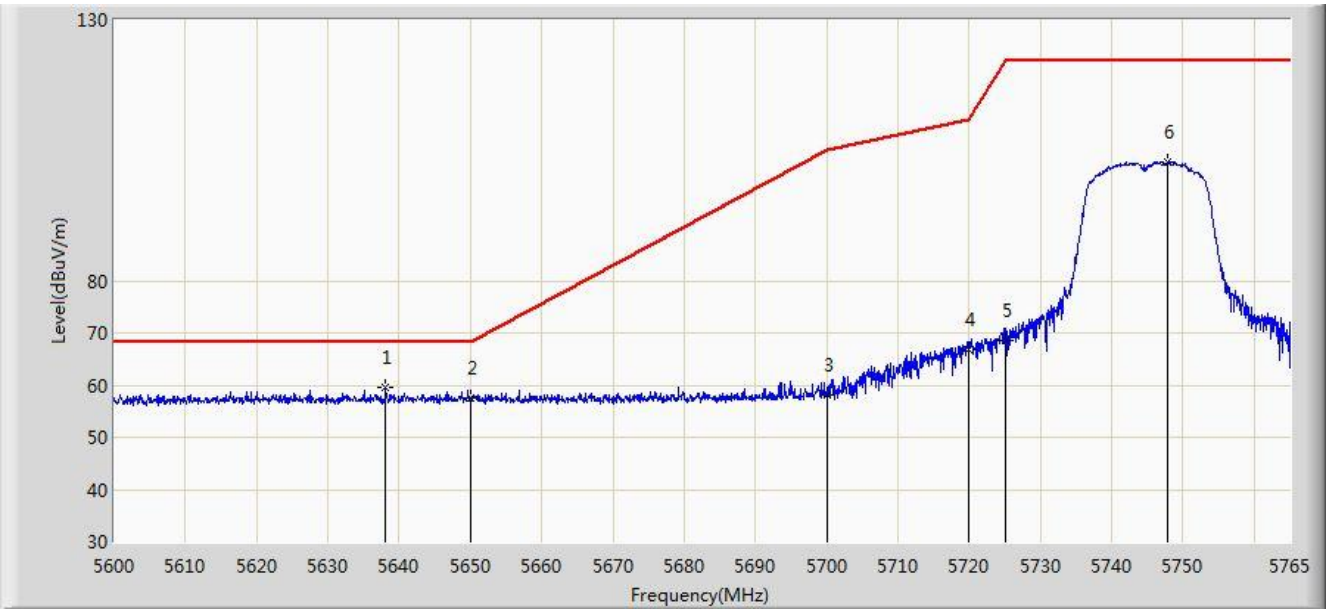


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5696.083	91.824	84.945	N/A	N/A	6.879	PK
2			5725.000	57.589	50.722	-10.611	68.200	6.867	PK
3			5739.405	59.645	52.693	-8.555	68.200	6.952	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:12
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at channel 5745MHz	

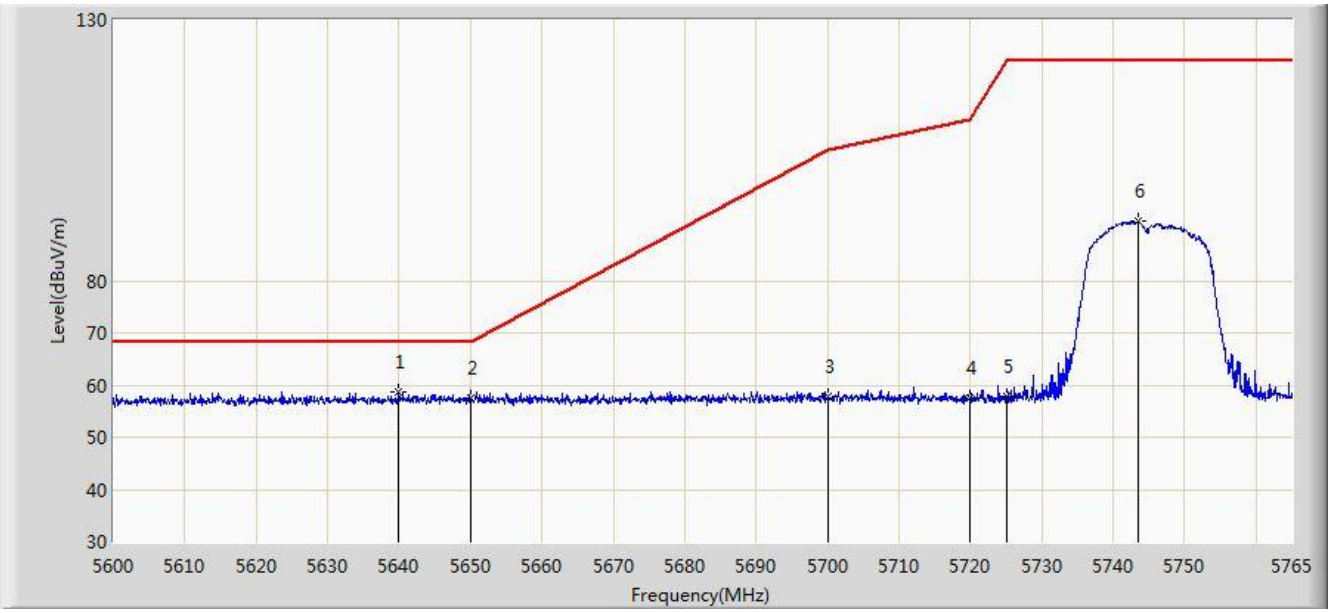


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5638.033	59.591	52.778	-8.609	68.200	6.813	PK
2			5650.000	57.545	50.752	-10.655	68.200	6.793	PK
3			5700.000	58.176	51.267	-47.024	105.200	6.909	PK
4			5720.000	66.891	59.987	-43.909	110.800	6.904	PK
5			5725.000	68.499	61.632	-53.701	122.200	6.867	PK
6			5747.922	102.828	95.792	N/A	N/A	7.036	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:14
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at channel 5745MHz	

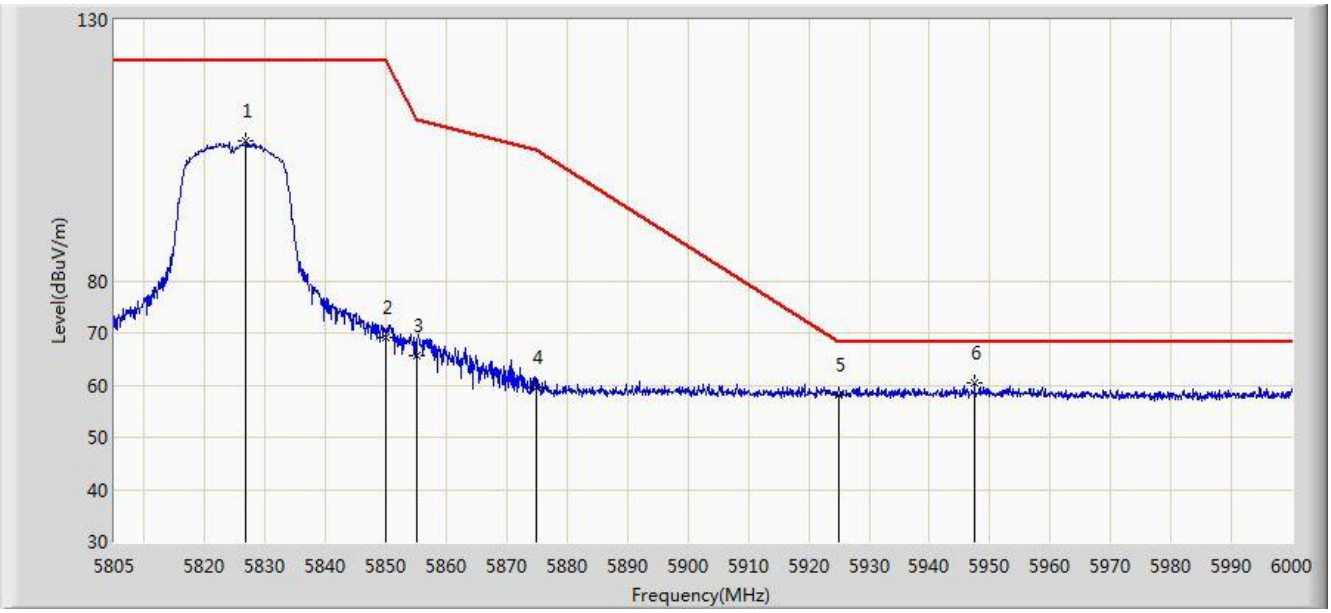


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5639.930	58.649	51.824	-9.551	68.200	6.825	PK
2			5650.000	57.566	50.773	-10.634	68.200	6.793	PK
3			5700.000	57.702	50.793	-47.498	105.200	6.909	PK
4			5720.000	57.473	50.569	-53.327	110.800	6.904	PK
5			5725.000	57.686	50.819	-64.514	122.200	6.867	PK
6			5743.550	91.390	84.408	N/A	N/A	6.982	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:16
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at channel 5825MHz	

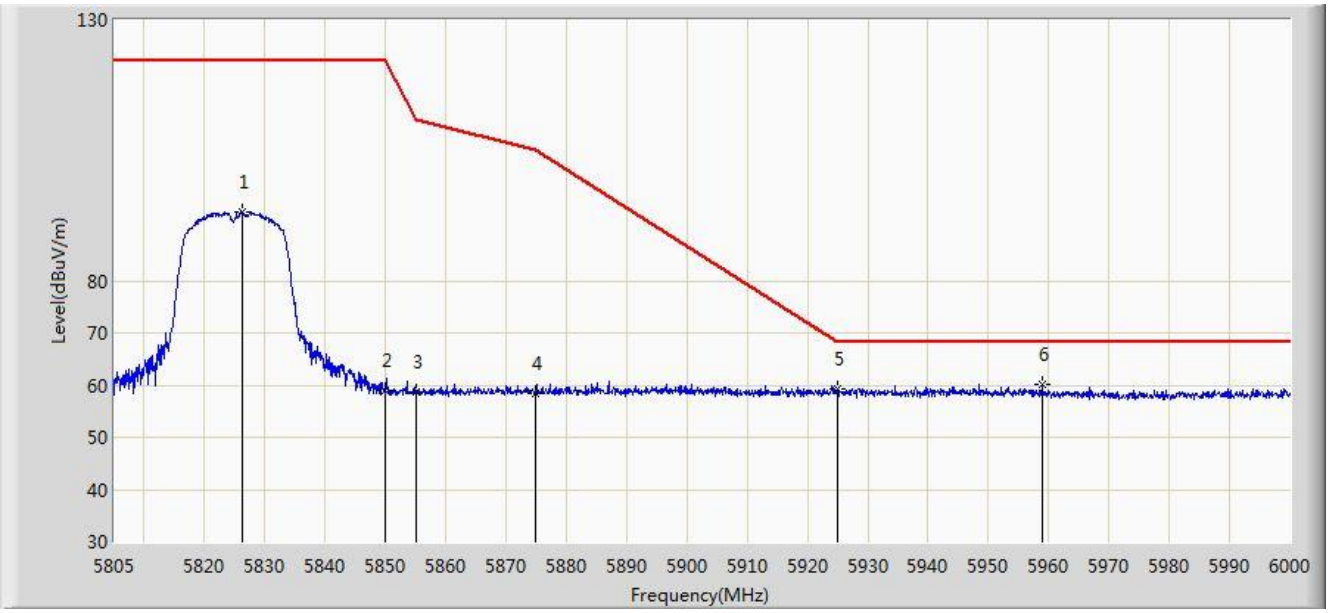


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.840	106.785	99.417	N/A	N/A	7.367	PK
2			5850.000	69.210	61.880	-52.990	122.200	7.331	PK
3			5855.000	65.585	58.257	-45.215	110.800	7.327	PK
4			5875.000	59.508	52.094	-45.692	105.200	7.414	PK
5			5925.000	57.993	50.693	-10.207	68.200	7.299	PK
6		*	5947.447	60.326	52.824	-7.874	68.200	7.502	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:18
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at channel 5825MHz	

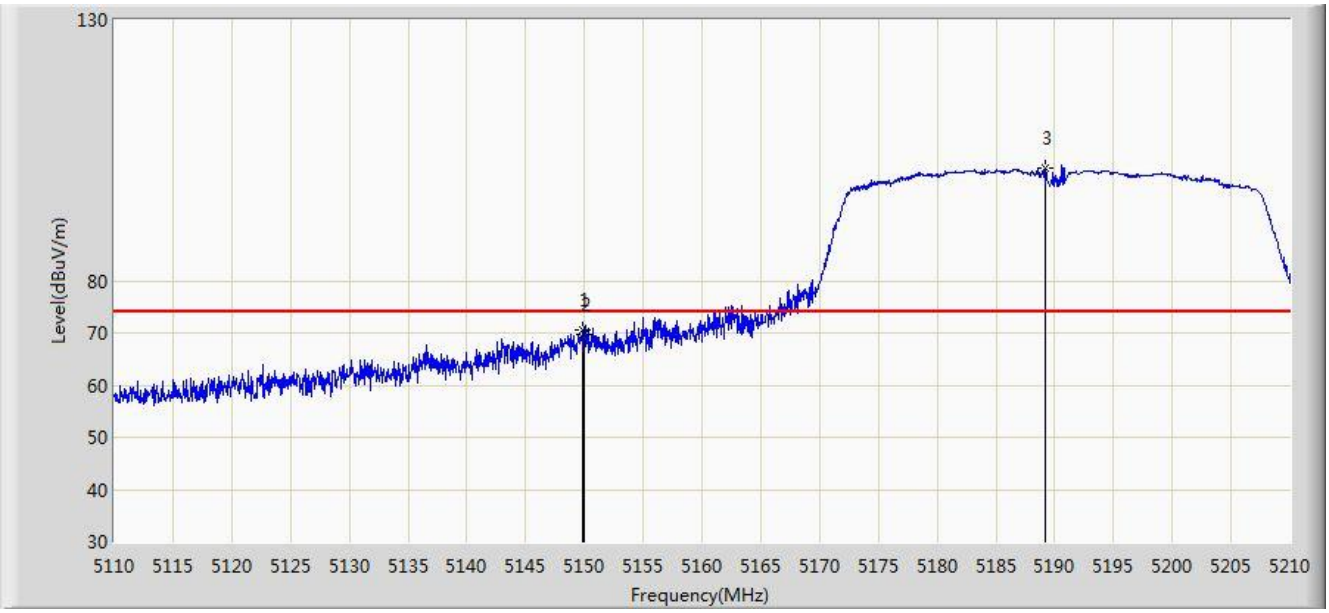


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.255	93.264	85.905	N/A	N/A	7.358	PK
2			5850.000	59.024	51.694	-63.176	122.200	7.331	PK
3			5855.000	58.758	51.430	-52.042	110.800	7.327	PK
4			5875.000	58.411	50.997	-46.789	105.200	7.414	PK
5			5925.000	59.284	51.984	-8.916	68.200	7.299	PK
6		*	5958.855	60.175	52.751	-8.025	68.200	7.425	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:21
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz	

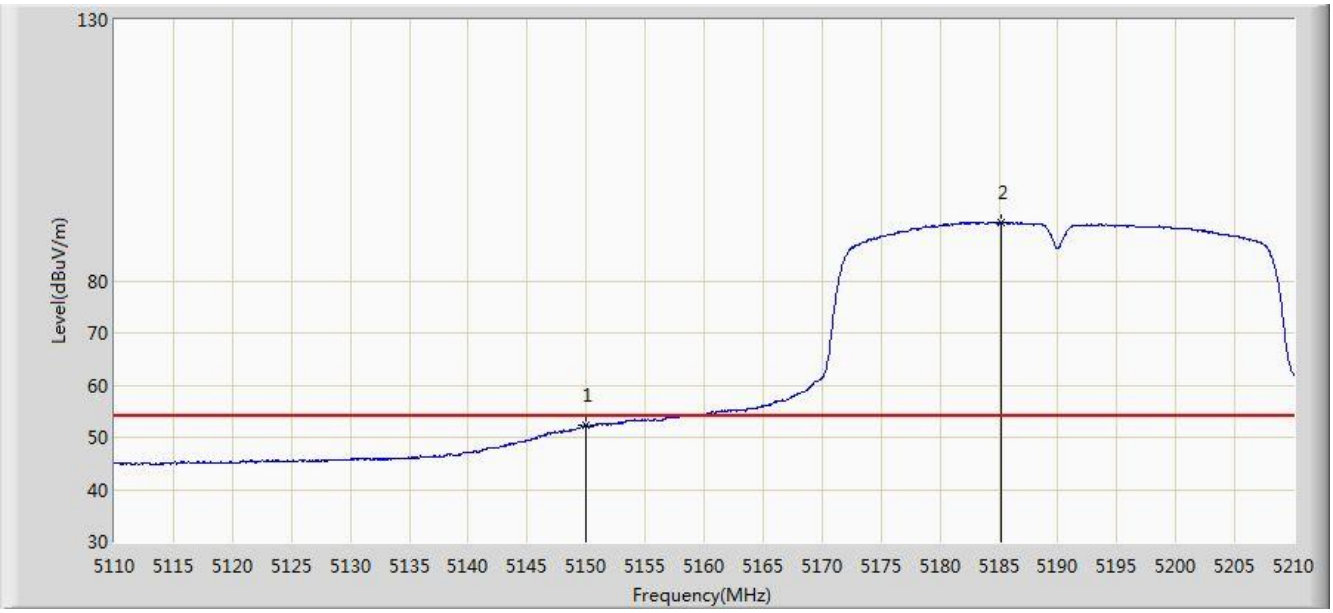


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.850	70.679	64.282	-3.321	74.000	6.396	PK
2			5150.000	69.742	63.345	-4.258	74.000	6.398	PK
3		*	5189.200	101.704	95.186	N/A	N/A	6.518	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:23
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz	

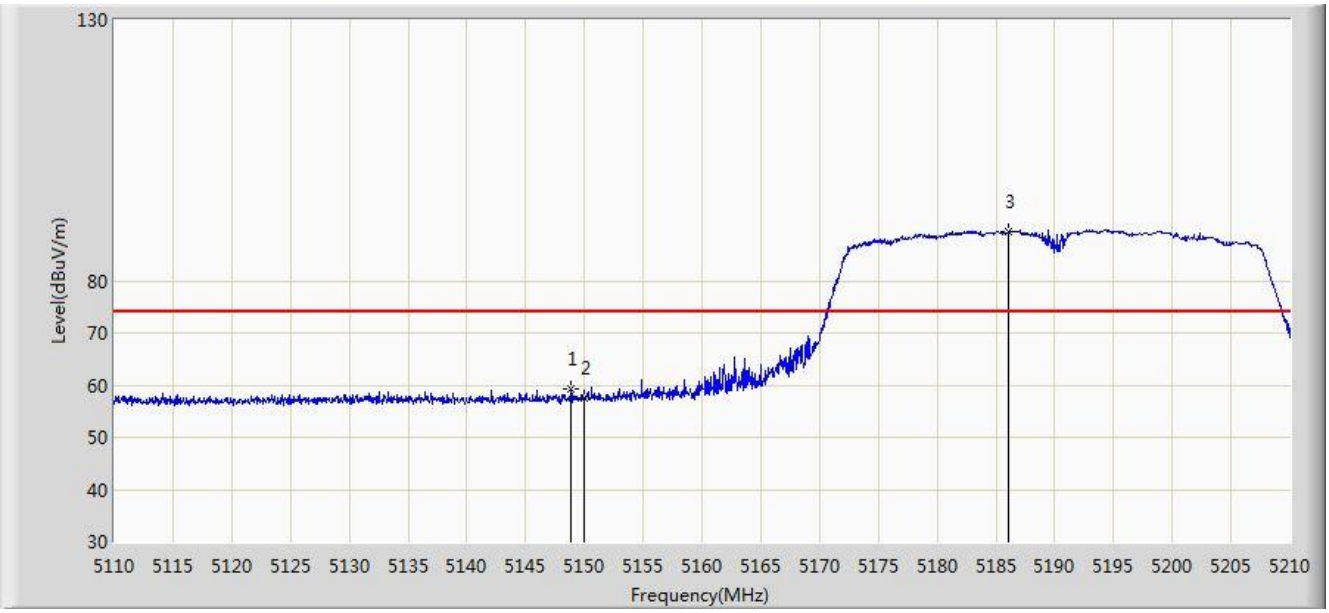


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.177	45.780	-1.823	54.000	6.398	AV
2		*	5185.250	91.033	84.476	N/A	N/A	6.557	AV

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

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

Site: AC2	Time: 2019/05/07 - 04:24
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz	

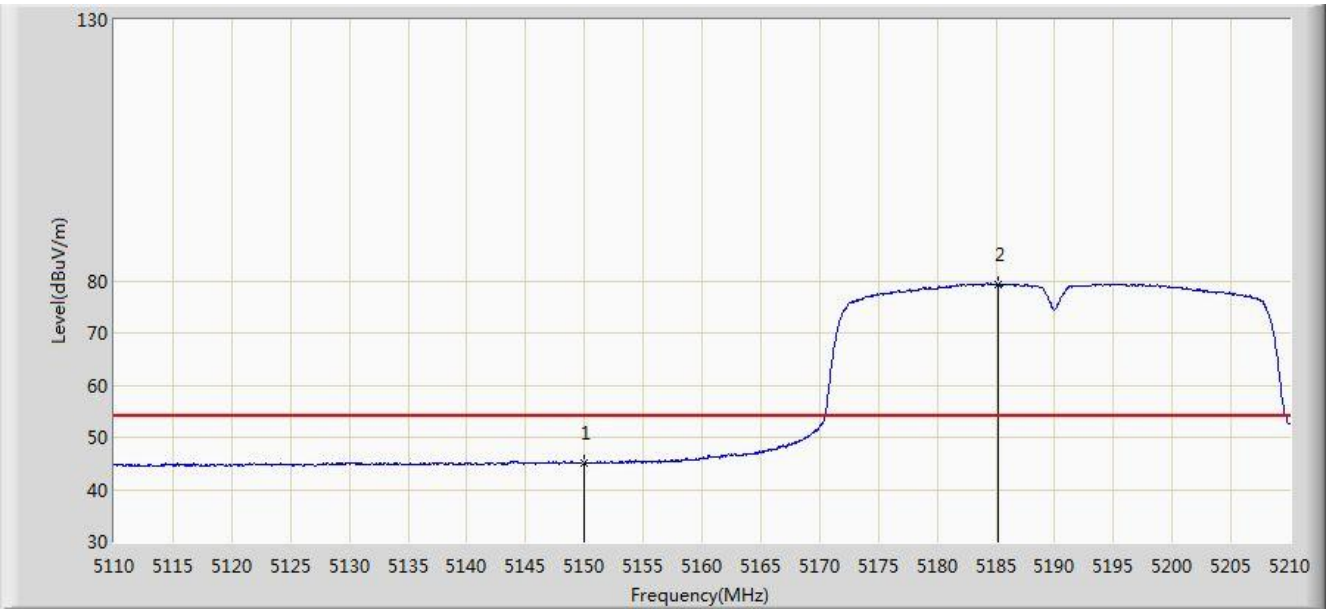


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.900	59.242	52.848	-14.758	74.000	6.393	PK
2			5150.000	57.671	51.274	-16.329	74.000	6.398	PK
3		*	5186.100	89.473	82.924	N/A	N/A	6.549	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:26
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz	

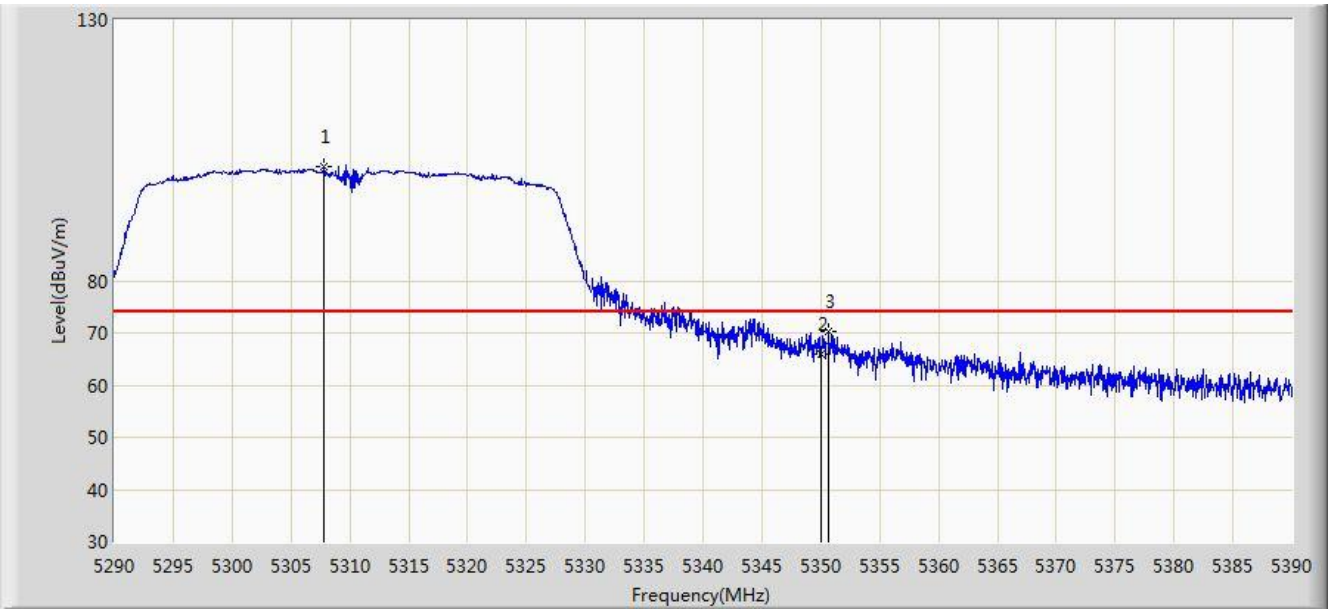


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	45.093	38.696	-8.907	54.000	6.398	AV
2		*	5185.200	79.287	72.730	N/A	N/A	6.557	AV

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

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

Site: AC2	Time: 2019/05/07 - 04:26
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz	

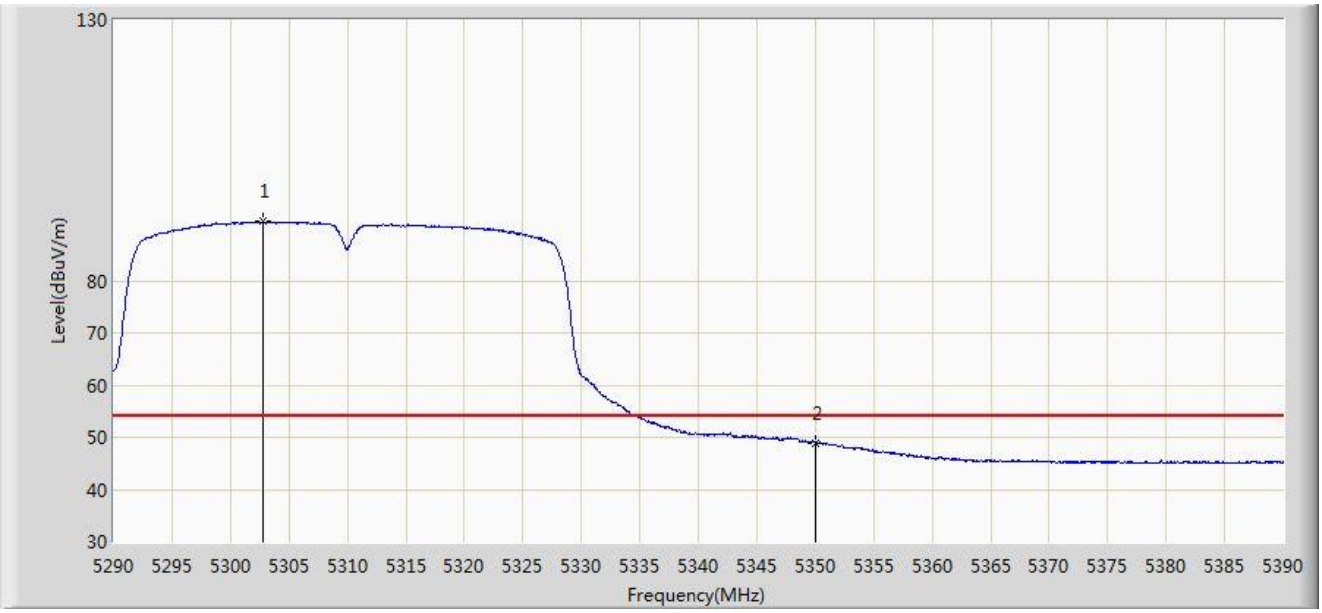


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5307.850	102.026	95.714	N/A	N/A	6.312	PK
2			5350.000	66.038	59.711	-7.962	74.000	6.327	PK
3			5350.650	70.381	64.054	-3.619	74.000	6.327	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:28
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz	

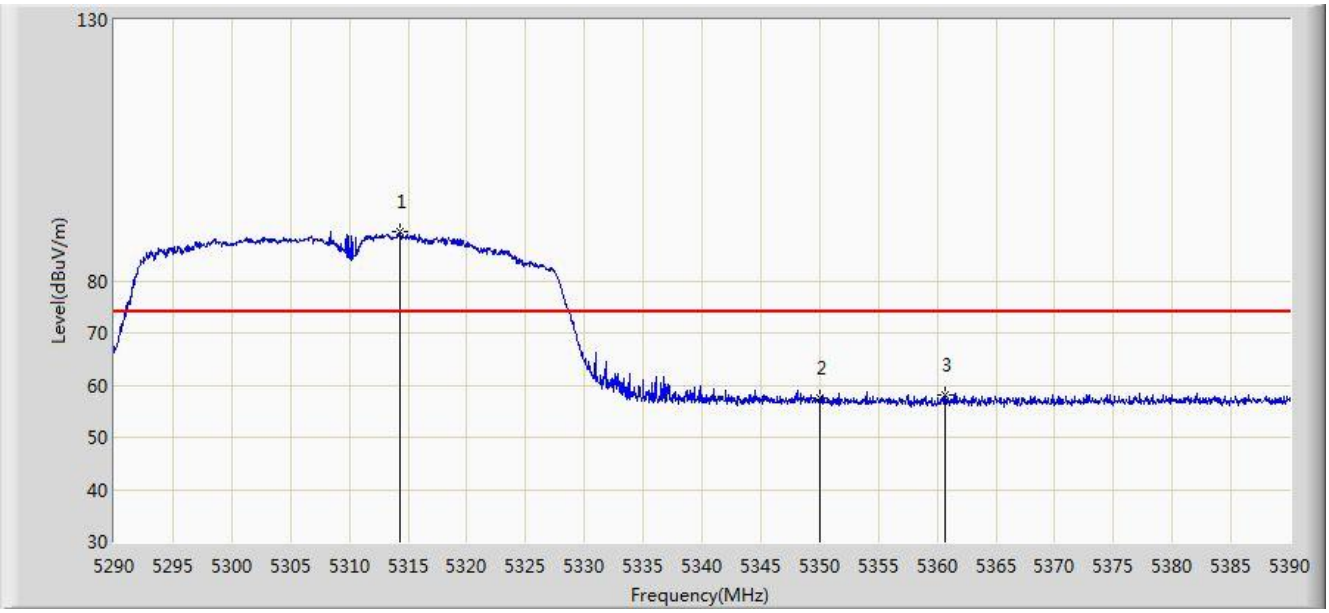


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5302.800	91.374	85.079	N/A	N/A	6.296	AV
2			5350.000	48.978	42.651	-5.022	54.000	6.327	AV

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

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

Site: AC2	Time: 2019/05/07 - 04:29
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz	

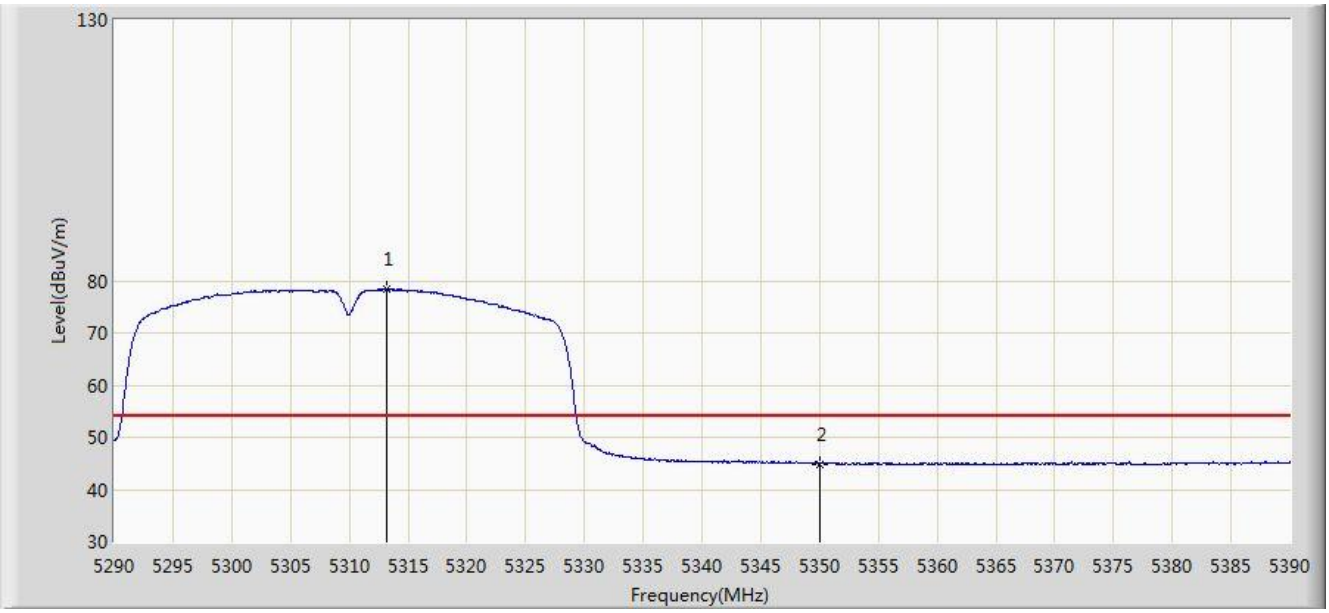


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5314.250	89.283	82.949	N/A	N/A	6.333	PK
2			5350.000	57.506	51.179	-16.494	74.000	6.327	PK
3			5360.700	58.129	51.739	-15.871	74.000	6.390	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:30
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz	

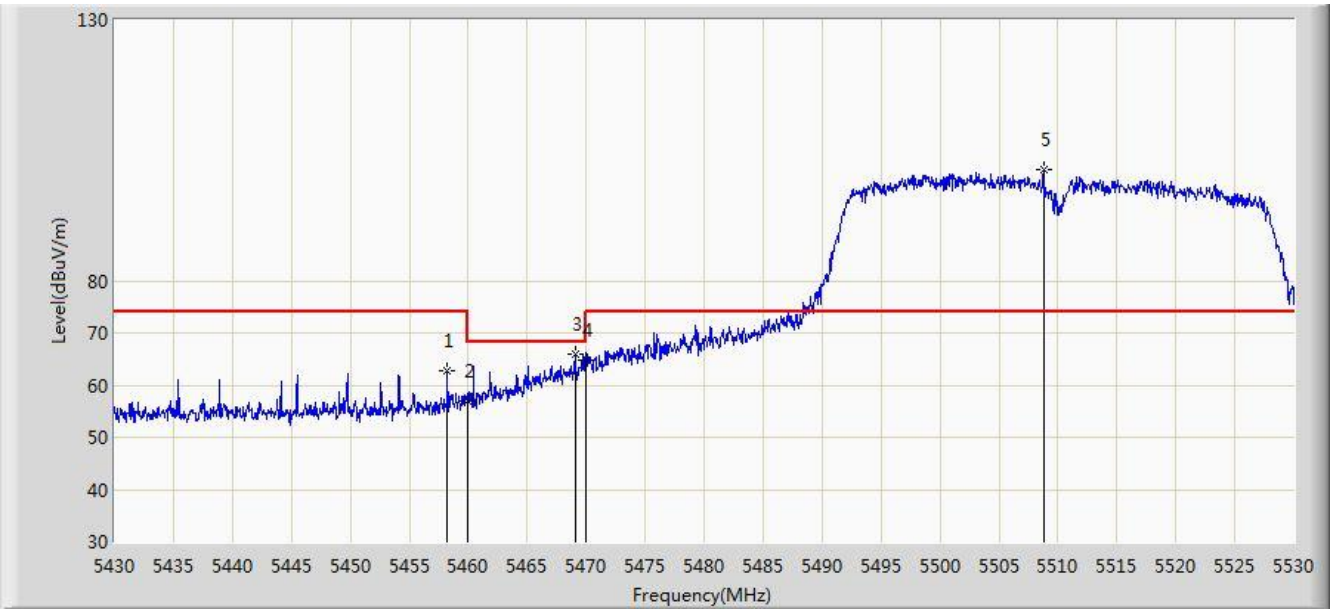


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5313.200	78.363	72.033	N/A	N/A	6.330	AV
2			5350.000	44.902	38.575	-9.098	54.000	6.327	AV

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

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

Site: AC2	Time: 2019/05/07 - 04:32
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at channel 5510MHz	

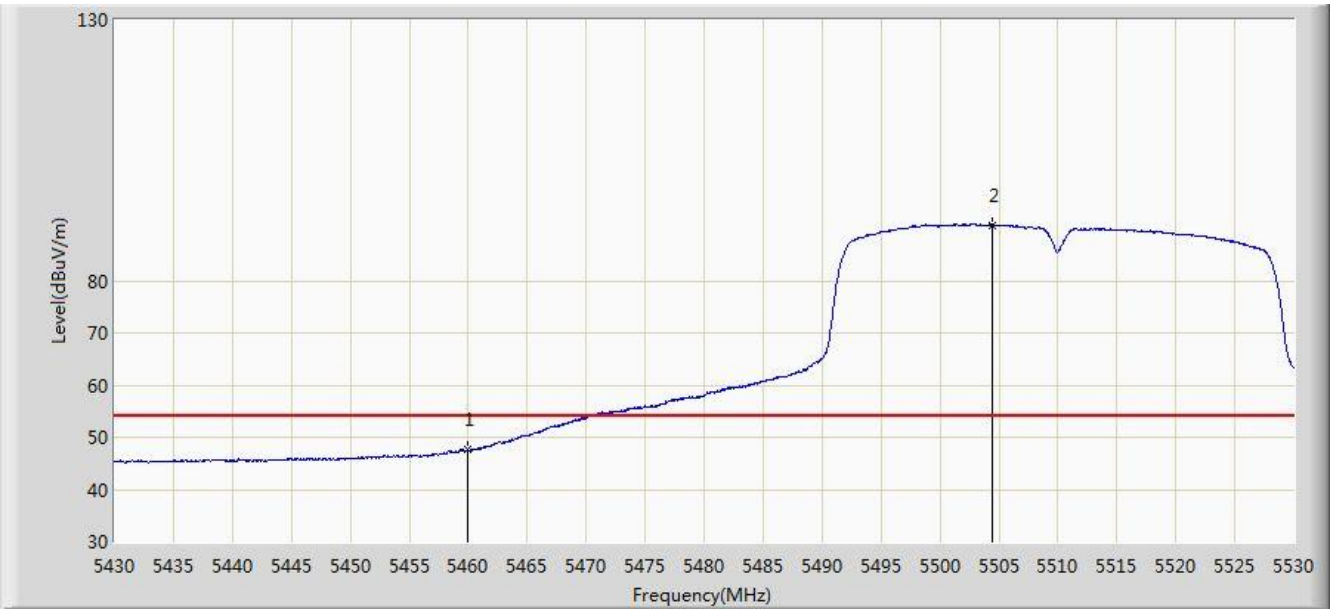


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5458.250	62.723	56.103	-11.277	74.000	6.620	PK
2			5460.000	56.984	50.372	-17.016	74.000	6.612	PK
3			5469.050	66.071	59.500	-2.129	68.200	6.571	PK
4			5470.000	64.910	58.343	-3.290	68.200	6.567	PK
5		*	5508.800	101.250	94.515	N/A	N/A	6.735	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:33
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at channel 5510MHz	

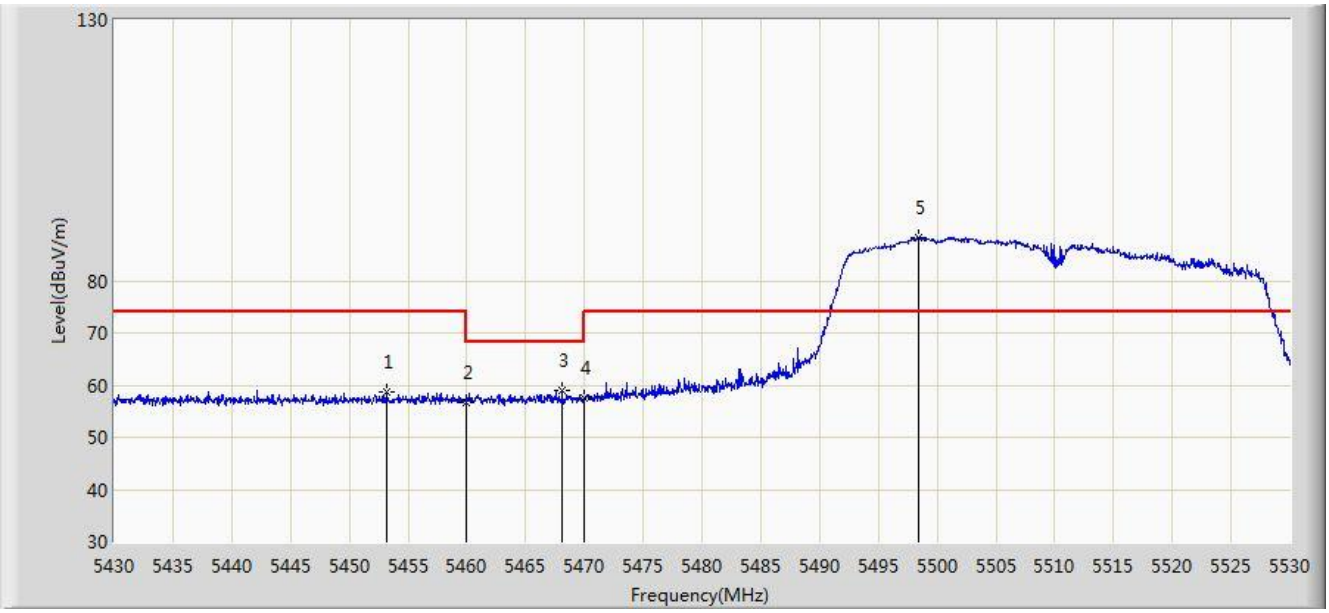


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	47.548	40.936	-6.452	54.000	6.612	AV
2		*	5504.450	90.722	83.982	N/A	N/A	6.739	AV

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

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

Site: AC2	Time: 2019/05/07 - 04:34
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at channel 5510MHz	

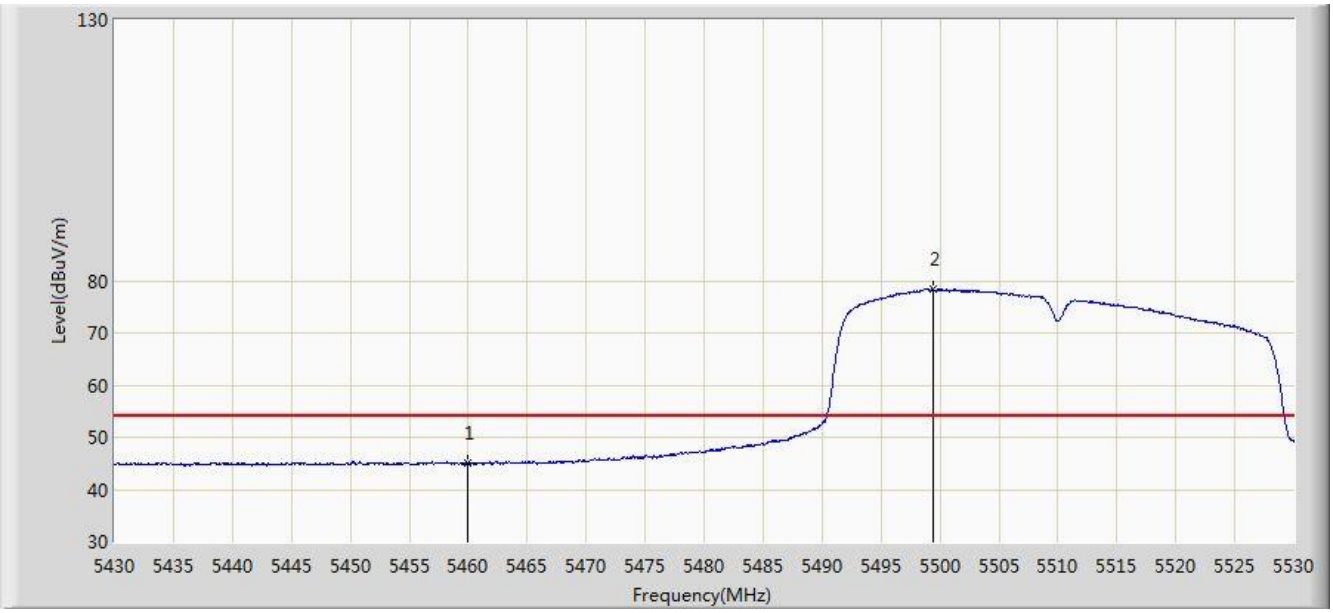


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5453.150	58.765	52.130	-15.235	74.000	6.636	PK
2			5460.000	56.721	50.109	-17.279	74.000	6.612	PK
3			5468.100	59.113	52.538	-9.087	68.200	6.576	PK
4			5470.000	57.574	51.007	-10.626	68.200	6.567	PK
5		*	5498.400	88.372	81.676	N/A	N/A	6.696	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:35
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at channel 5510MHz	

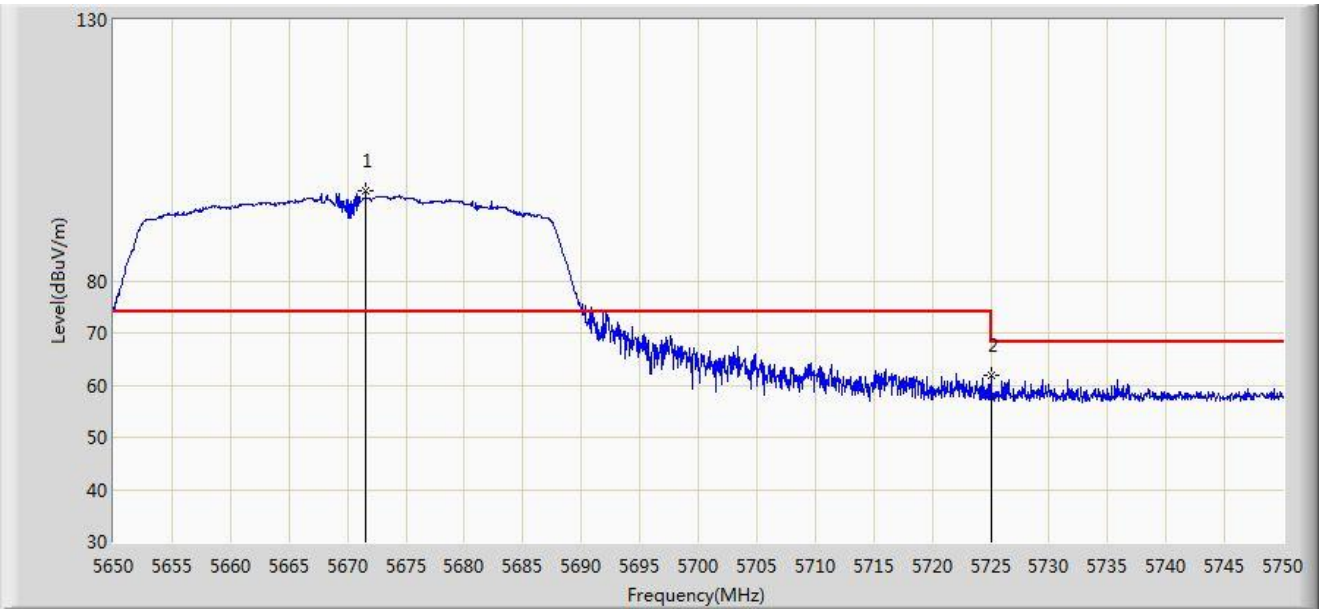


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	45.028	38.416	-8.972	54.000	6.612	AV
2		*	5499.400	78.318	71.615	N/A	N/A	6.703	AV

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

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

Site: AC2	Time: 2019/05/07 - 04:36
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at channel 5670MHz	

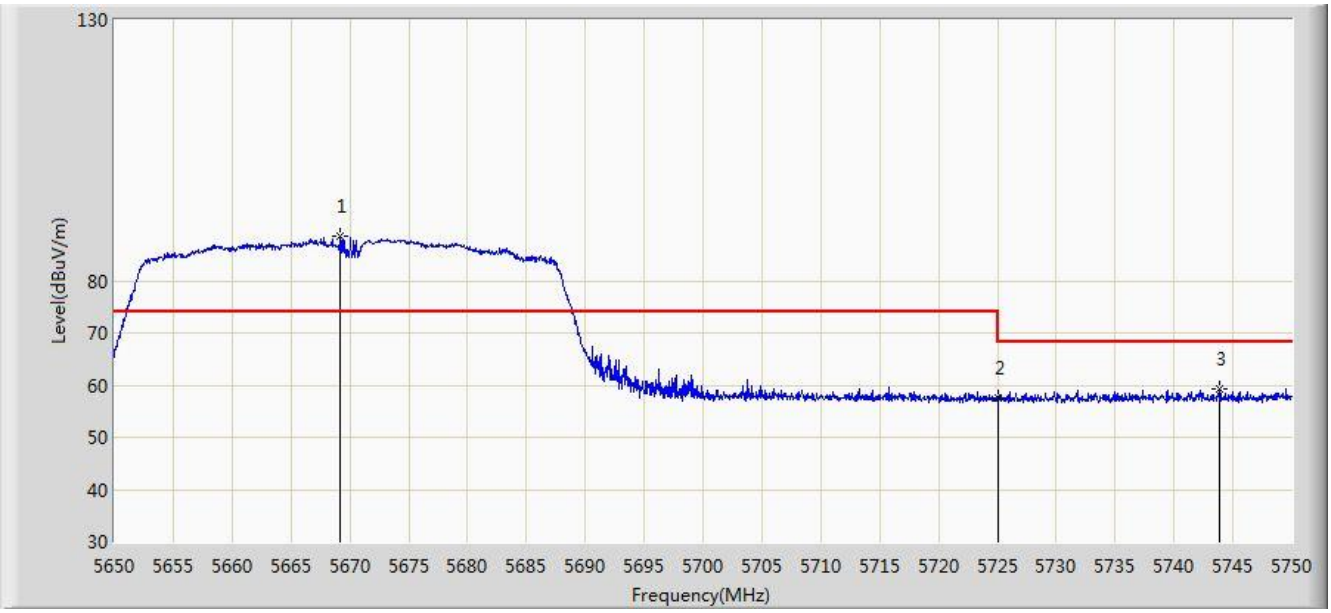


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5671.550	97.373	90.650	N/A	N/A	6.723	PK
2			5725.000	61.840	54.973	-6.360	68.200	6.867	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:38
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at channel 5670MHz	

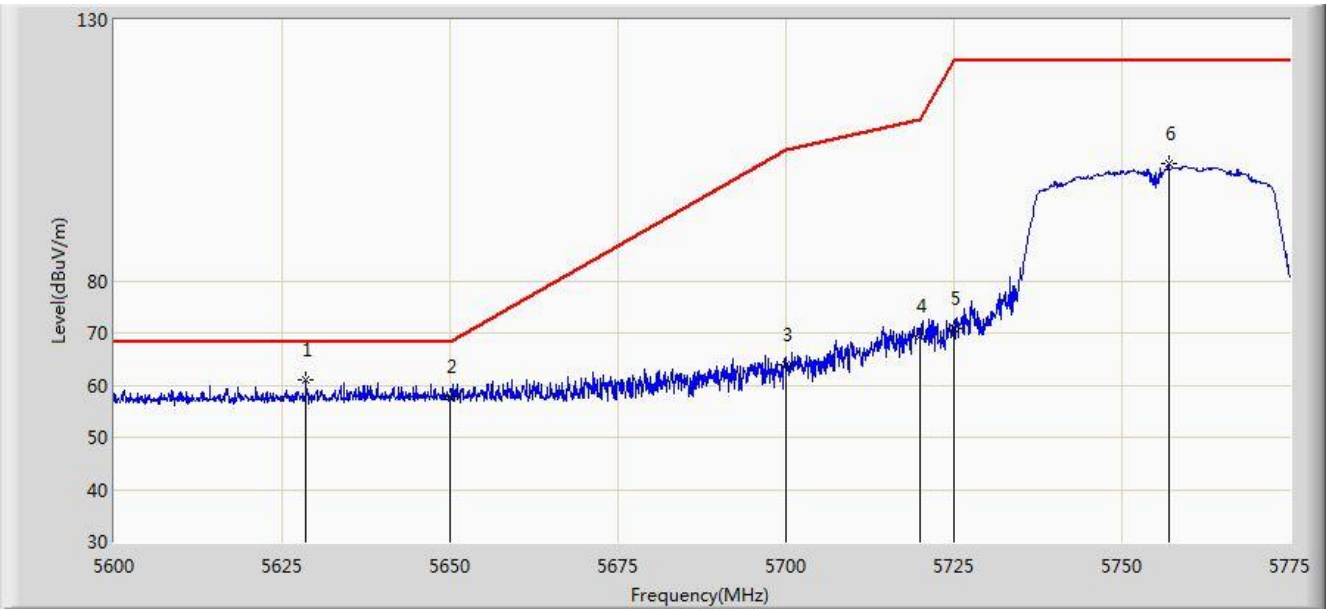


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5669.200	88.647	81.917	N/A	N/A	6.730	PK
2			5725.000	57.641	50.774	-10.559	68.200	6.867	PK
3			5743.850	59.200	52.214	-9.000	68.200	6.985	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:39
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at channel 5755MHz	

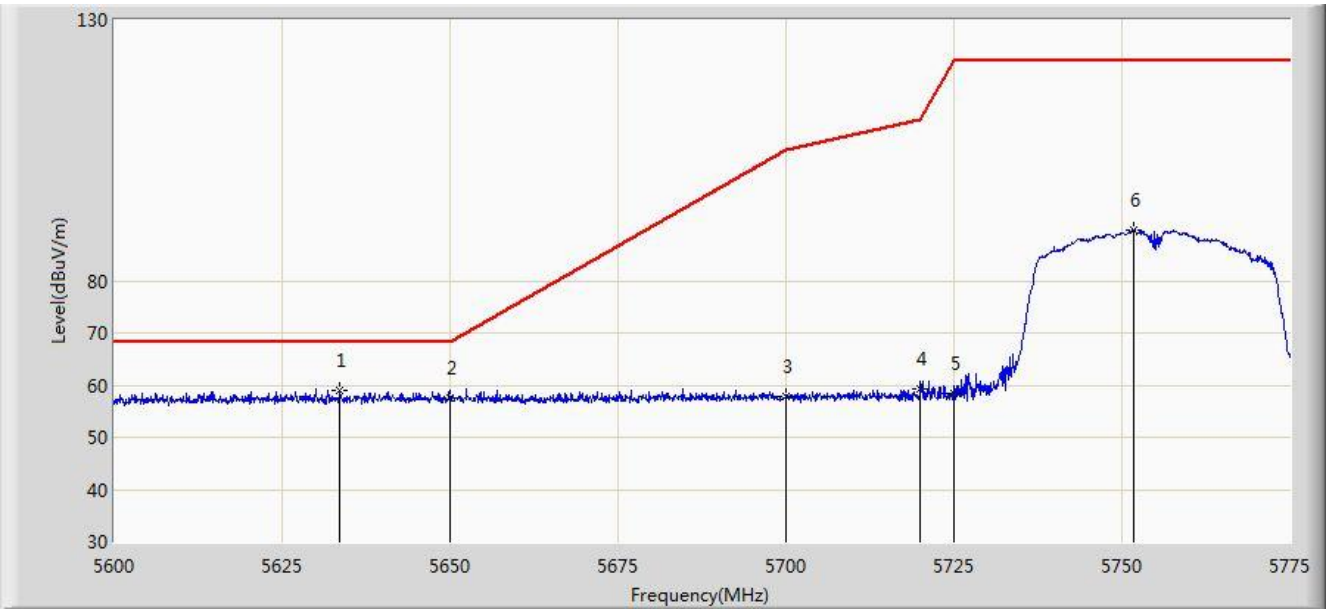


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5628.612	61.037	54.285	-7.163	68.200	6.751	PK
2			5650.000	57.690	50.897	-10.510	68.200	6.793	PK
3			5700.000	63.922	57.013	-41.278	105.200	6.909	PK
4			5720.000	69.365	62.461	-41.435	110.800	6.904	PK
5			5725.000	70.900	64.033	-51.300	122.200	6.867	PK
6			5756.975	102.588	95.442	N/A	N/A	7.146	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:41
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at channel 5755MHz	

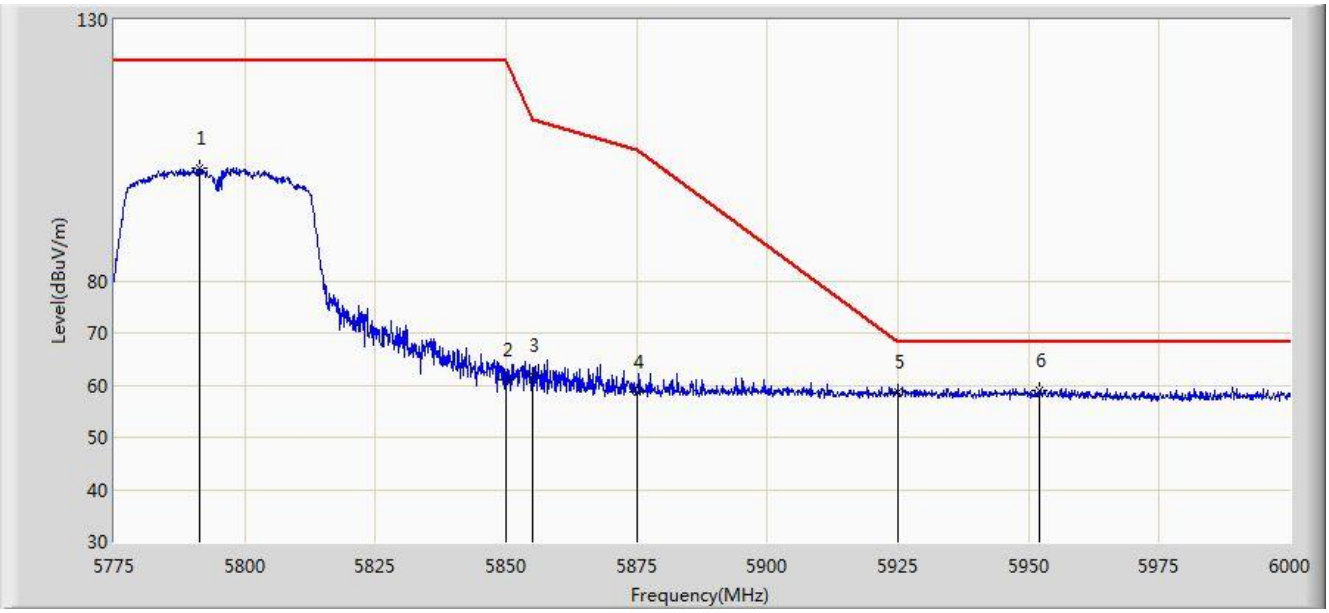


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5633.600	59.050	52.266	-9.150	68.200	6.785	PK
2			5650.000	57.414	50.621	-10.786	68.200	6.793	PK
3			5700.000	57.953	51.044	-47.247	105.200	6.909	PK
4			5720.000	59.243	52.339	-51.557	110.800	6.904	PK
5			5725.000	58.549	51.682	-63.651	122.200	6.867	PK
6			5751.812	89.596	82.513	N/A	N/A	7.084	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:43
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at channel 5795MHz	

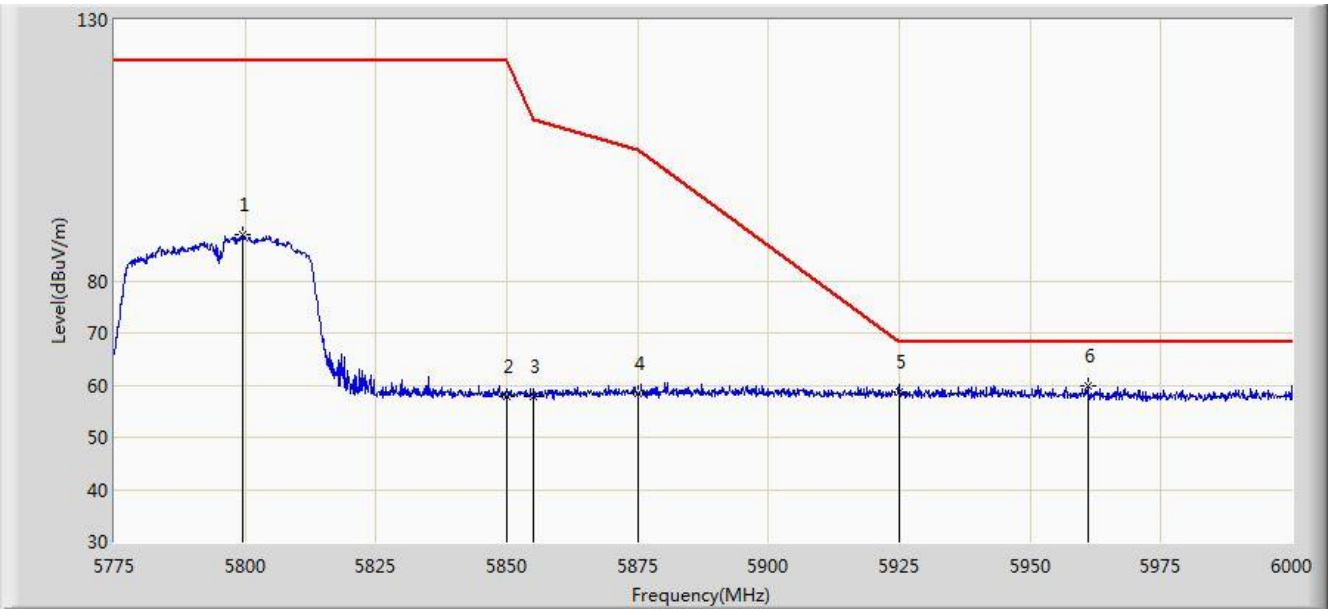


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5791.425	101.586	94.530	N/A	N/A	7.056	PK
2			5850.000	61.012	53.682	-61.188	122.200	7.331	PK
3			5855.000	61.747	54.419	-49.053	110.800	7.327	PK
4			5875.000	58.609	51.195	-46.591	105.200	7.414	PK
5			5925.000	58.578	51.278	-9.622	68.200	7.299	PK
6		*	5952.187	59.085	51.619	-9.115	68.200	7.465	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:44
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at channel 5795MHz	

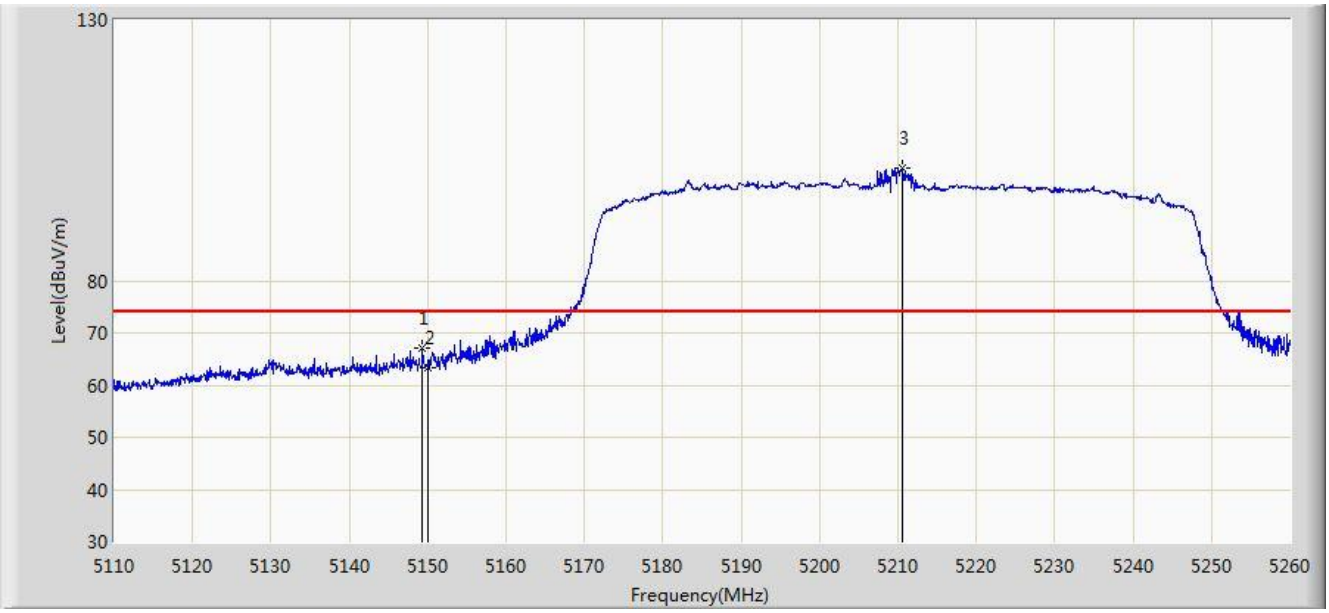


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5799.525	88.886	81.823	N/A	N/A	7.063	PK
2			5850.000	57.888	50.558	-64.312	122.200	7.331	PK
3			5855.000	57.777	50.449	-53.023	110.800	7.327	PK
4			5875.000	58.437	51.023	-46.763	105.200	7.414	PK
5			5925.000	58.584	51.284	-9.616	68.200	7.299	PK
6		*	5960.962	59.869	52.458	-8.331	68.200	7.411	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:46
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz	

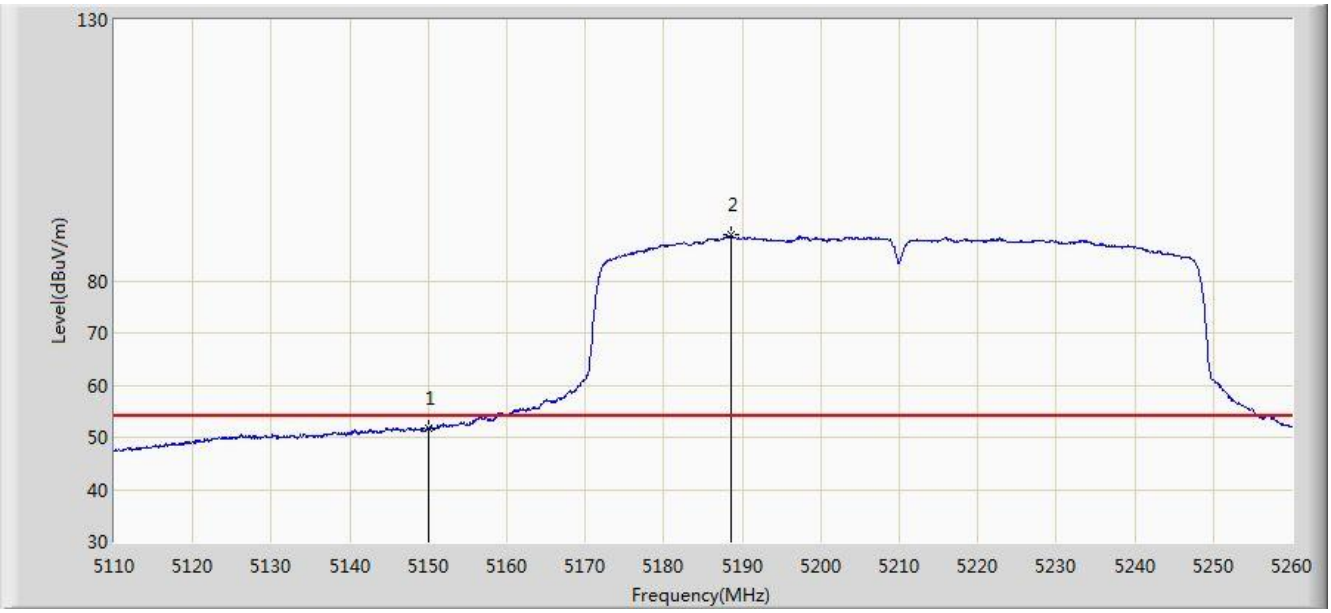


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.375	67.128	60.733	-6.872	74.000	6.396	PK
2			5150.000	63.391	56.994	-10.609	74.000	6.398	PK
3		*	5210.500	101.597	95.340	N/A	N/A	6.257	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:48
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz	

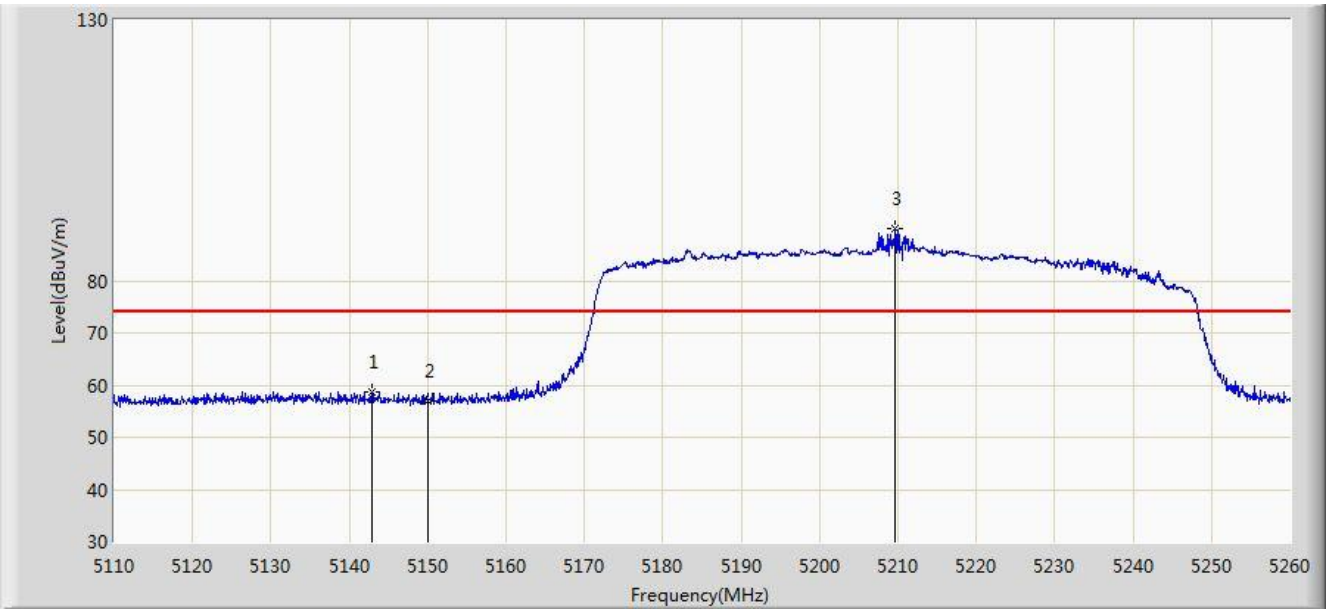


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.697	45.300	-2.303	54.000	6.398	AV
2		*	5188.525	88.701	82.177	N/A	N/A	6.524	AV

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

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

Site: AC2	Time: 2019/05/07 - 04:48
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz	

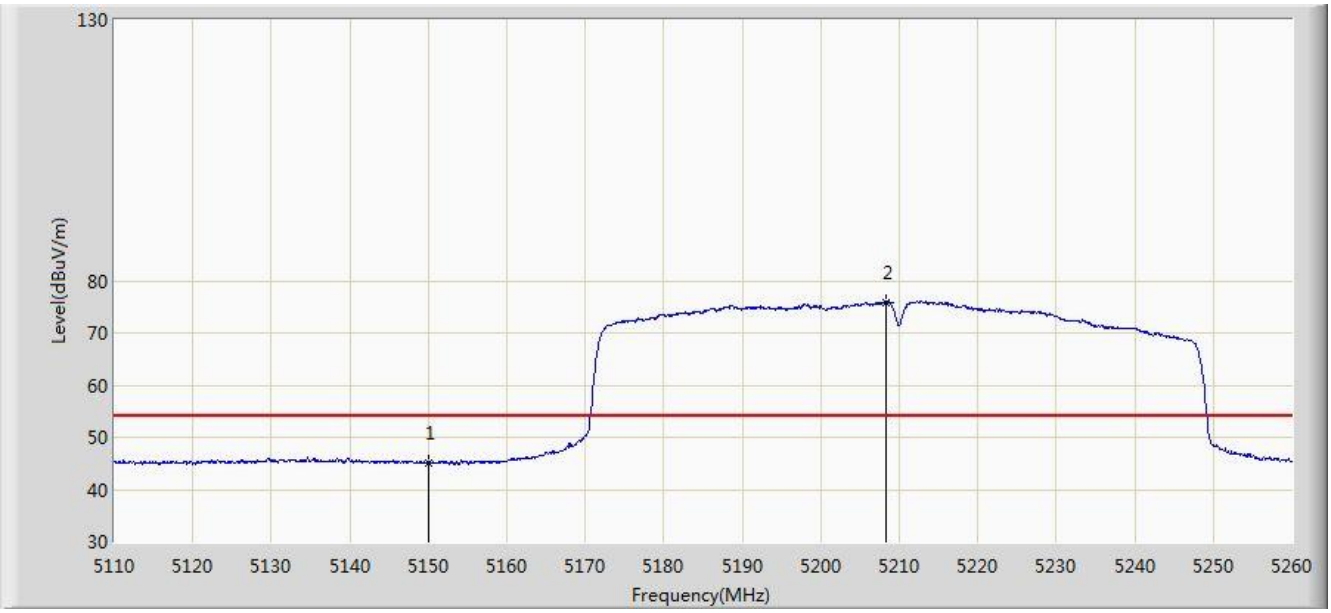


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.850	58.747	52.279	-15.253	74.000	6.468	PK
2			5150.000	56.872	50.475	-17.128	74.000	6.398	PK
3		*	5209.675	89.997	83.728	N/A	N/A	6.269	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:50
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz	

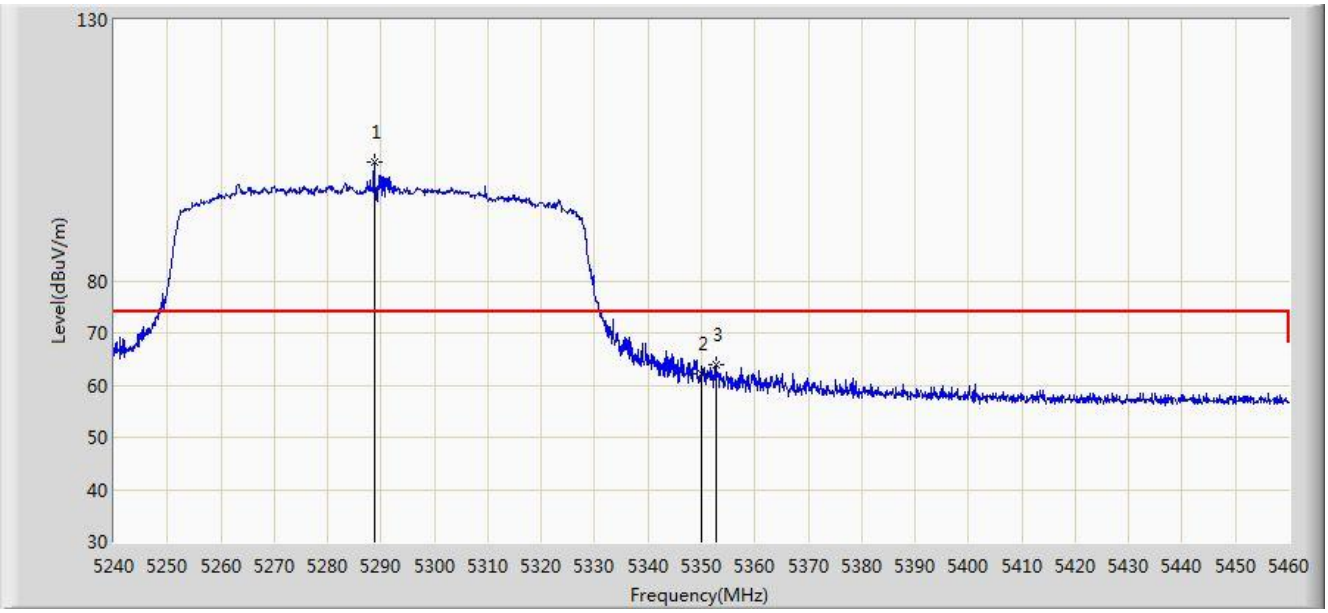


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	44.956	38.559	-9.044	54.000	6.398	AV
2		*	5208.250	75.835	69.546	N/A	N/A	6.289	AV

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

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

Site: AC2	Time: 2019/05/07 - 04:50
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT80 at channel 5290MHz	

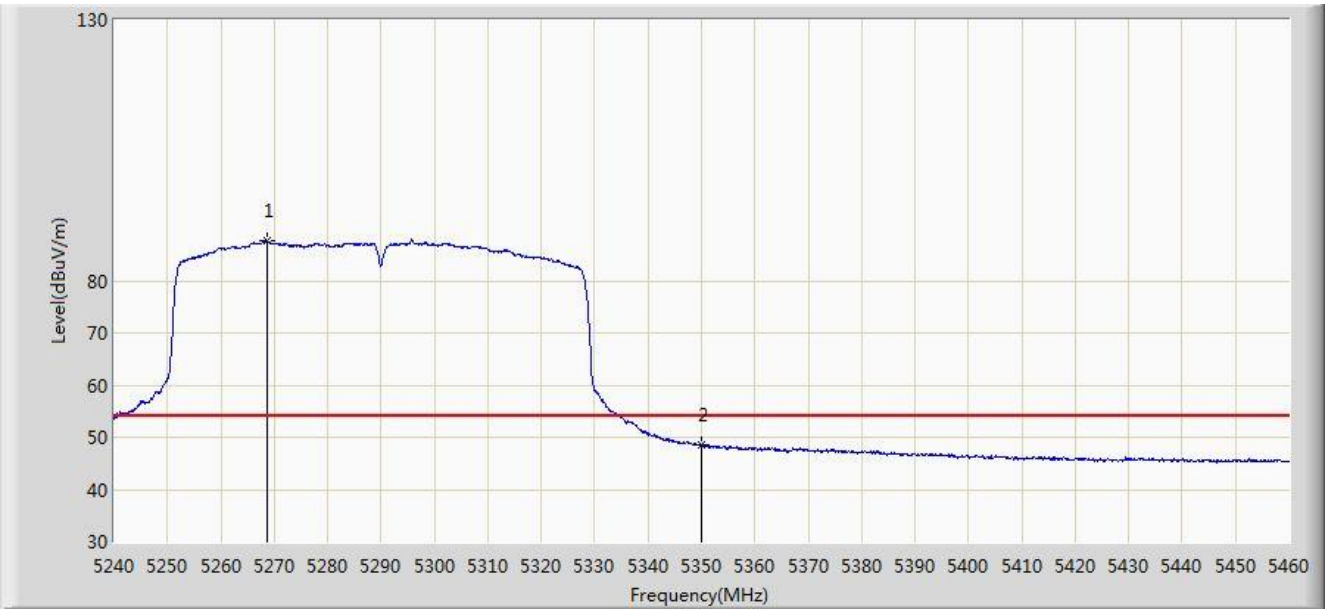


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5288.730	102.630	96.387	N/A	N/A	6.243	PK
2			5350.000	62.318	55.991	-11.682	74.000	6.327	PK
3			5352.640	64.001	57.670	-9.999	74.000	6.332	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:52
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT80 at channel 5290MHz	

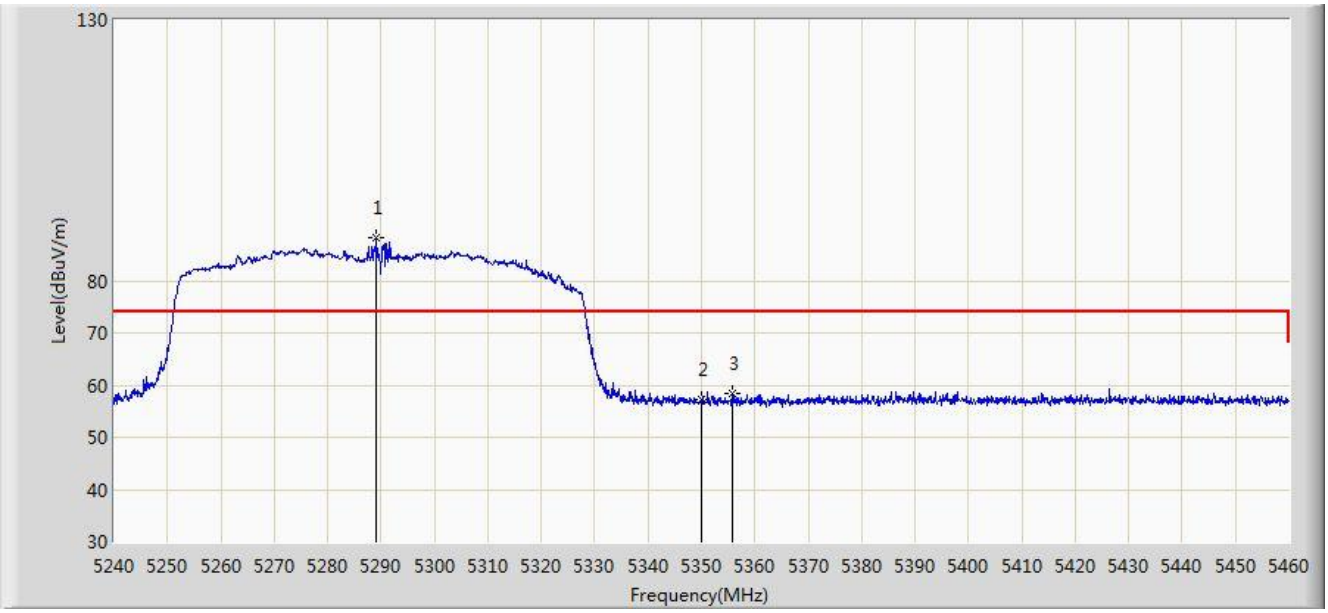


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5268.600	87.748	81.435	N/A	N/A	6.313	AV
2			5350.000	48.415	42.088	-5.585	54.000	6.327	AV

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

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

Site: AC2	Time: 2019/05/07 - 04:52
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT80 at channel 5290MHz	

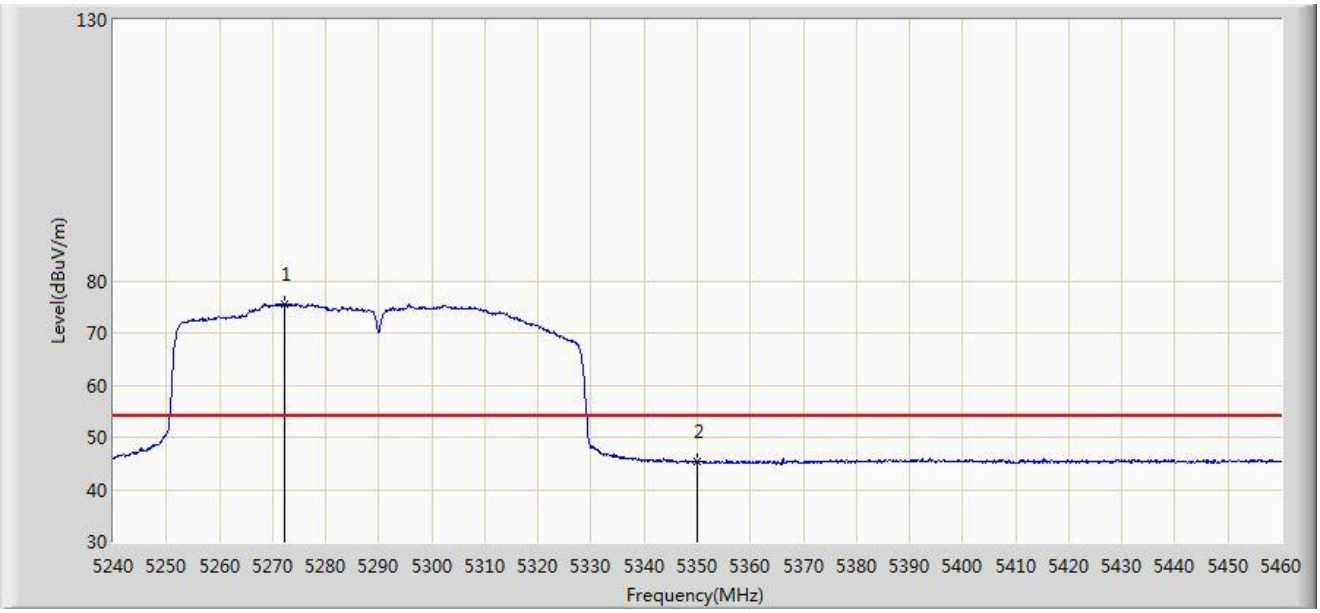


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5289.060	88.389	82.145	N/A	N/A	6.244	PK
2			5350.000	57.357	51.030	-16.643	74.000	6.327	PK
3			5355.830	58.347	51.992	-15.653	74.000	6.355	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:57
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT80 at channel 5290MHz	

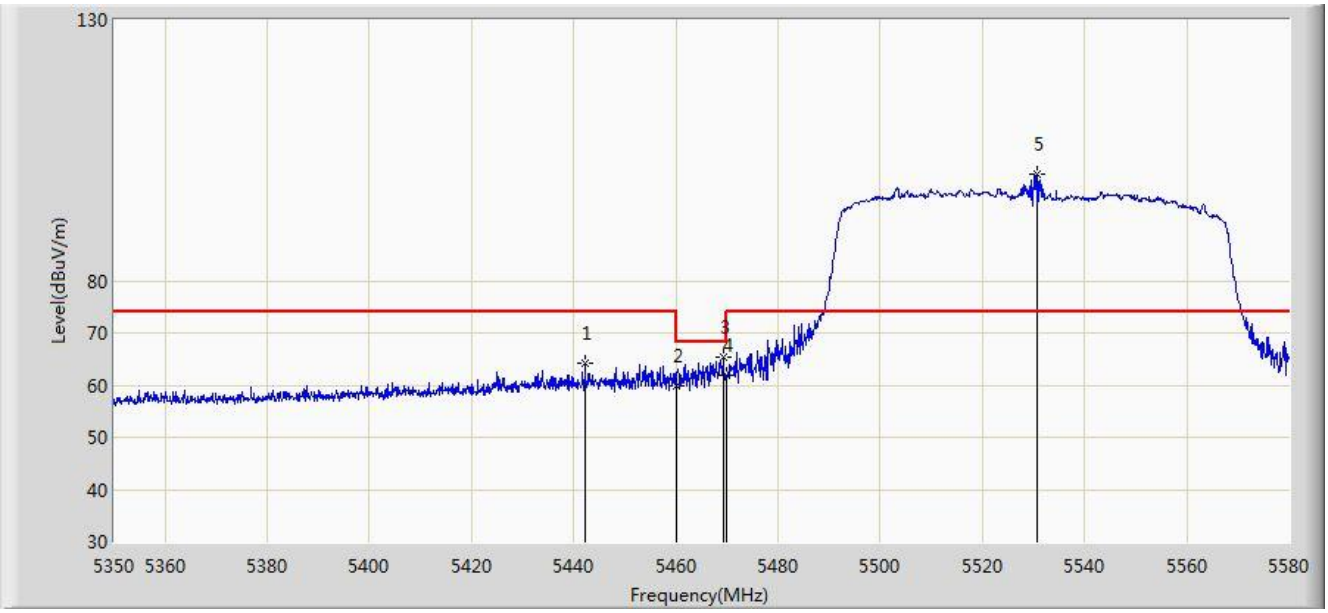


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5272.120	75.623	69.329	N/A	N/A	6.294	AV
2			5350.000	45.368	39.041	-8.632	54.000	6.327	AV

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

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

Site: AC2	Time: 2019/05/07 - 04:57
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT80 at channel 5530MHz	

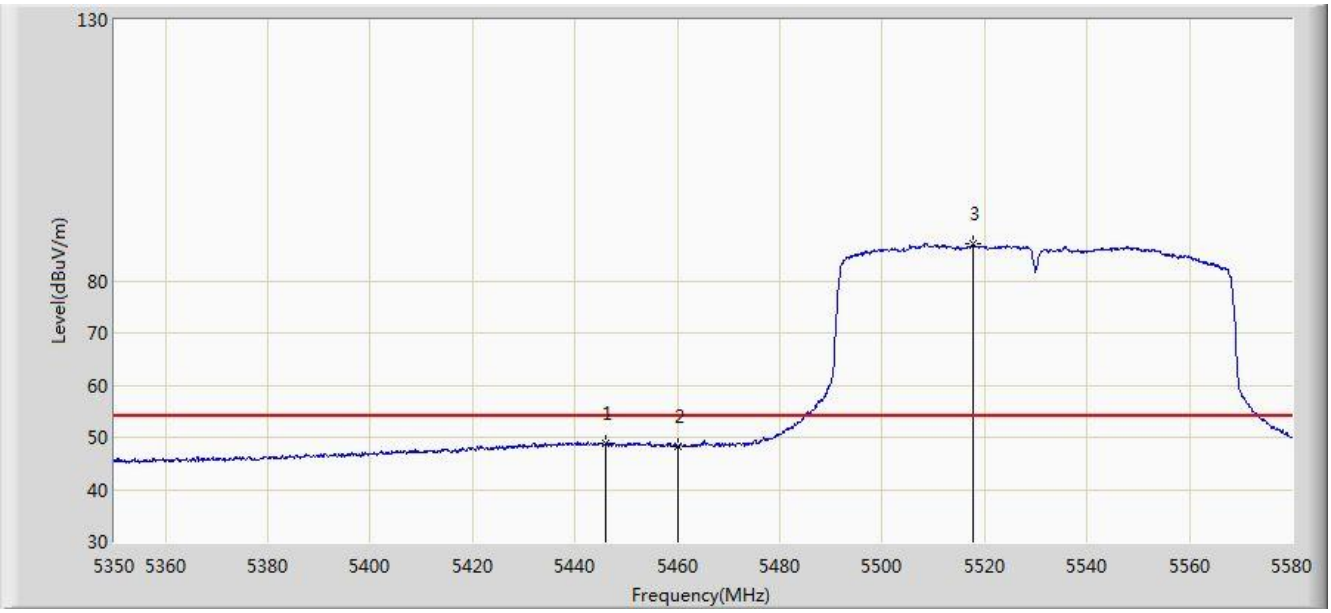


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5442.230	64.122	57.531	-9.878	74.000	6.592	PK
2			5460.000	59.996	53.384	-14.004	74.000	6.612	PK
3			5469.255	65.379	58.809	-2.821	68.200	6.570	PK
4			5470.000	61.871	55.304	-6.329	68.200	6.567	PK
5		*	5530.780	100.453	93.817	N/A	N/A	6.636	PK

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

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

Site: AC2	Time: 2019/05/07 - 04:59
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT80 at channel 5530MHz	

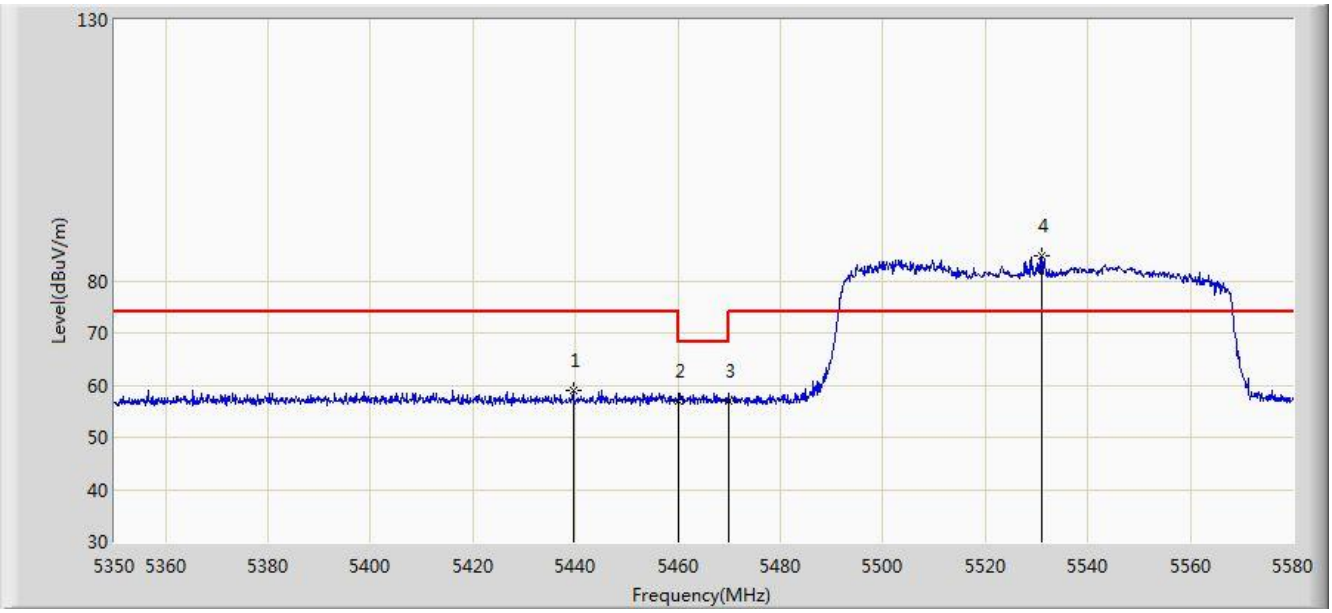


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5446.025	48.796	42.189	-5.204	54.000	6.606	AV
2			5460.000	48.264	41.652	-5.736	54.000	6.612	AV
3		*	5517.670	86.992	80.279	N/A	N/A	6.713	AV

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

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

Site: AC2	Time: 2019/05/07 - 04:59
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT80 at channel 5530MHz	

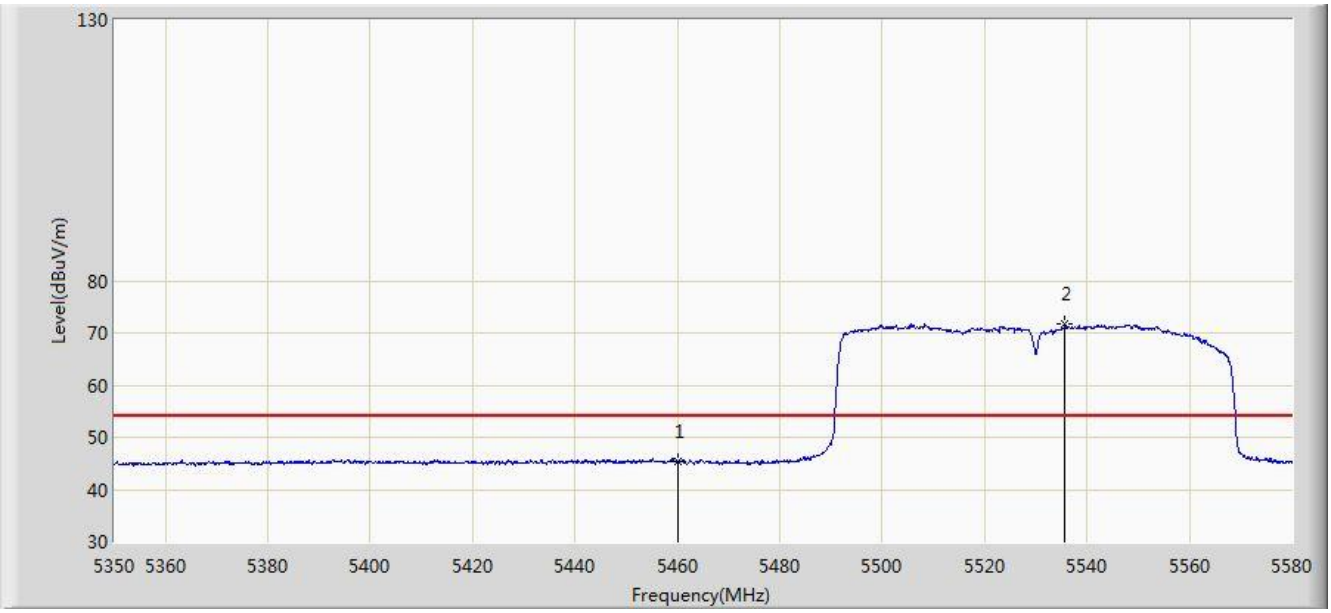


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5439.585	59.120	52.539	-14.880	74.000	6.580	PK
2			5460.000	57.099	50.487	-16.901	74.000	6.612	PK
3			5470.000	56.963	50.396	-11.237	68.200	6.567	PK
4		*	5531.125	84.767	78.134	N/A	N/A	6.633	PK

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

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

Site: AC2	Time: 2019/05/07 - 05:00
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT80 at channel 5530MHz	

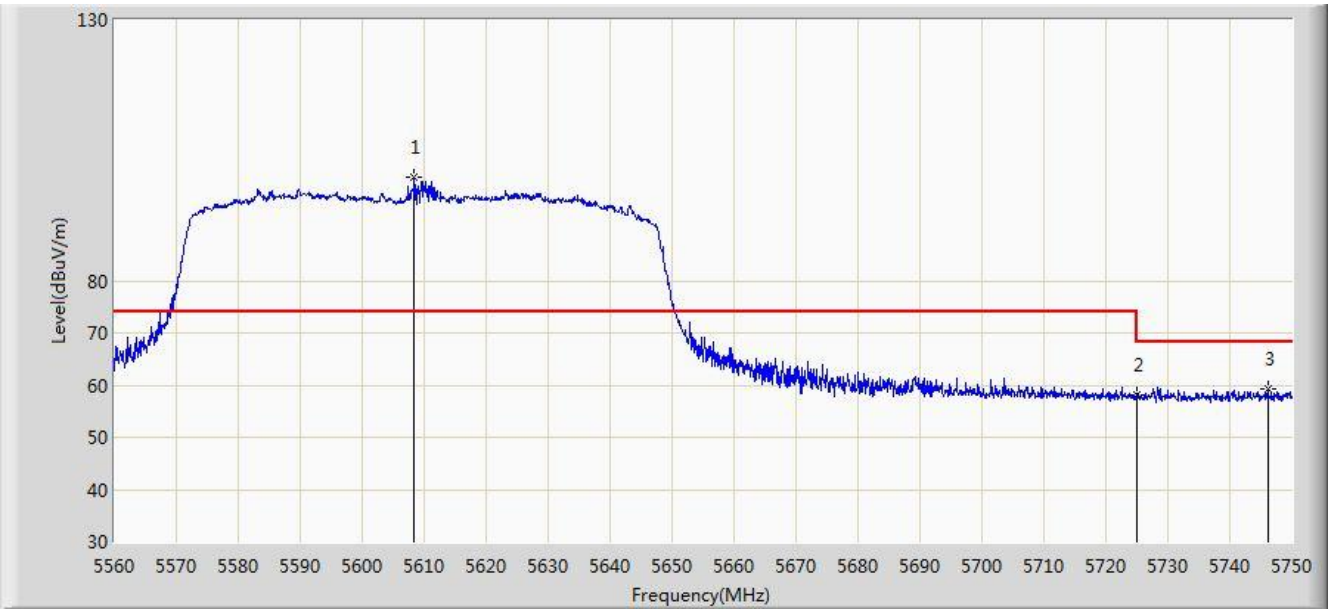


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	45.293	38.681	-8.707	54.000	6.612	AV
2		*	5535.725	71.624	65.026	N/A	N/A	6.597	AV

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

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

Site: AC2	Time: 2019/05/07 - 05:01
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT80 at channel 5610MHz	

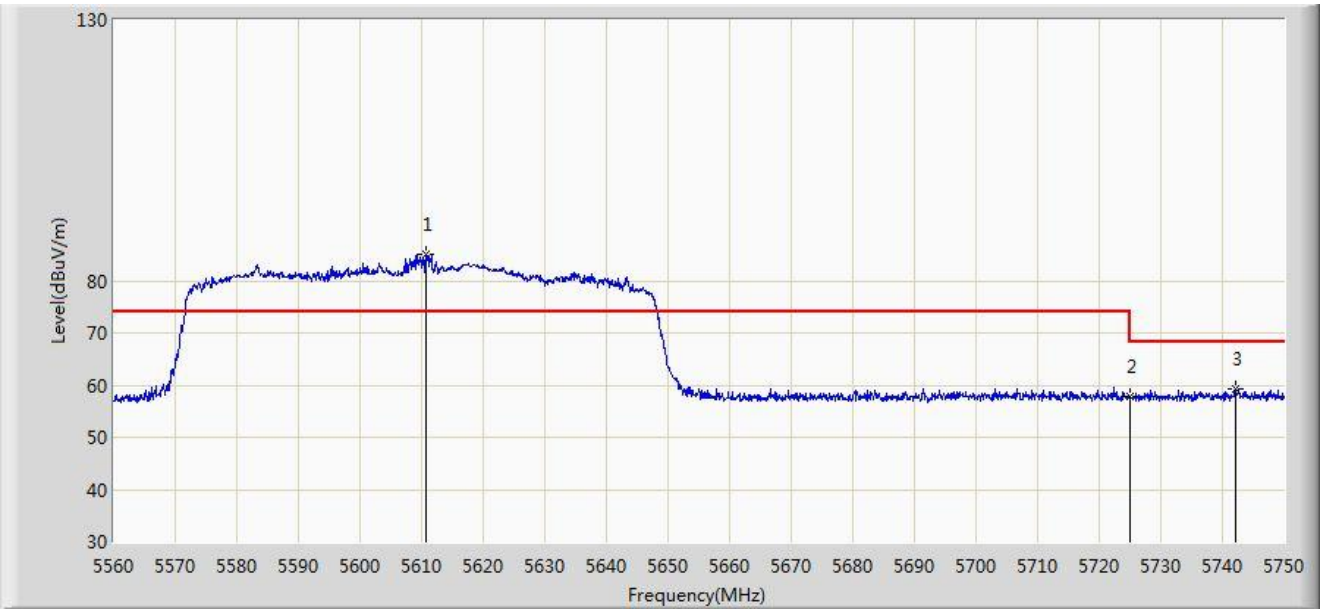


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5608.450	99.913	93.247	N/A	N/A	6.666	PK
2			5725.000	58.141	51.274	-10.059	68.200	6.867	PK
3			5746.105	59.377	52.364	-8.823	68.200	7.014	PK

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

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

Site: AC2	Time: 2019/05/07 - 05:04
Limit: FCC_Part15_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT80 at channel 5610MHz	

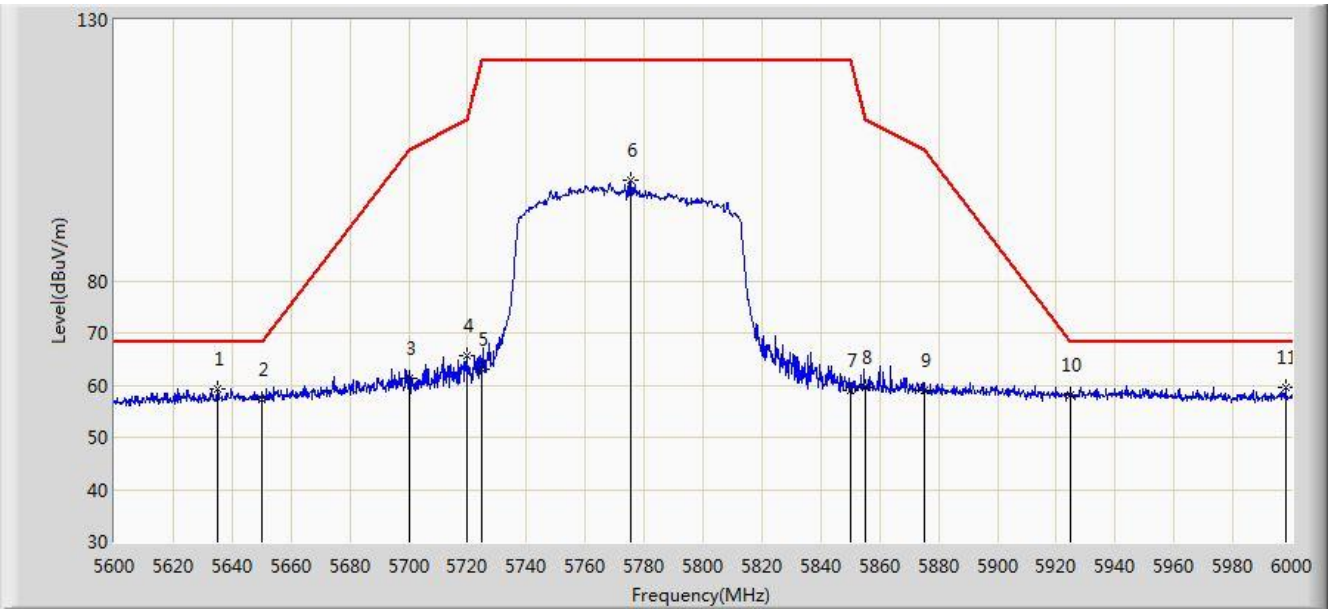


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5610.825	85.056	78.382	N/A	N/A	6.673	PK
2			5725.000	57.817	50.950	-10.383	68.200	6.867	PK
3			5742.115	59.379	52.410	-8.821	68.200	6.969	PK

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

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

Site: AC2	Time: 2019/05/07 - 05:07
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz	

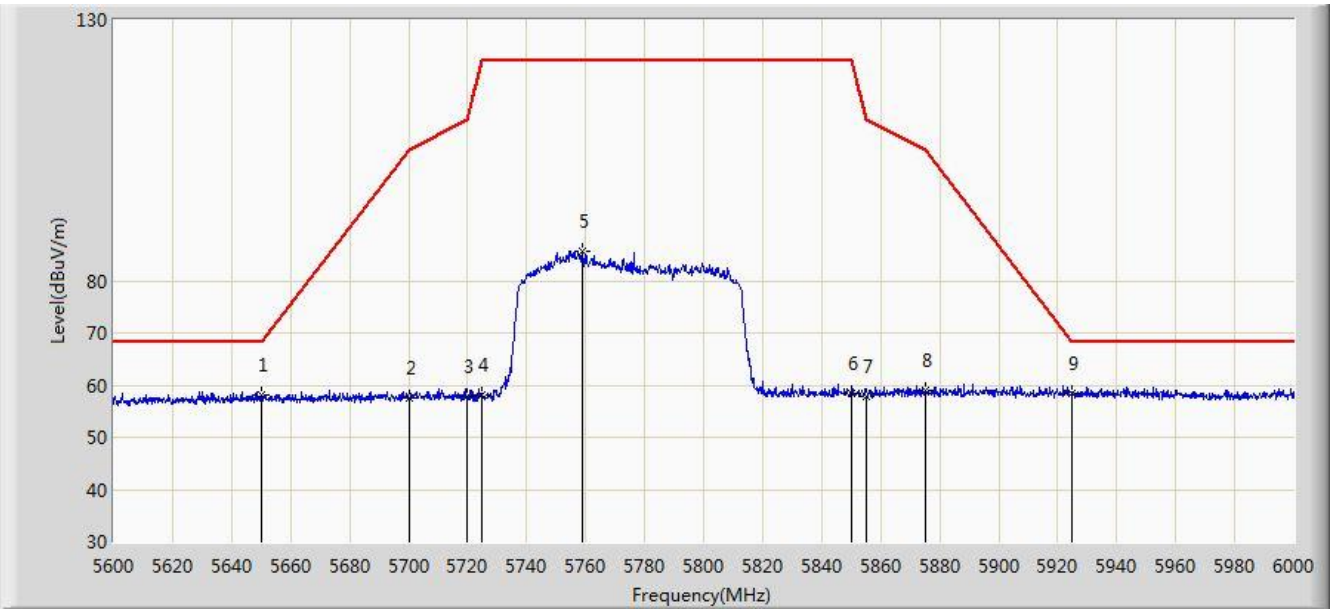


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5635.200	59.196	52.402	-9.004	68.200	6.794	PK
2			5650.000	57.258	50.465	-10.942	68.200	6.793	PK
3			5700.000	61.444	54.535	-43.756	105.200	6.909	PK
4			5720.000	65.519	58.615	-45.281	110.800	6.904	PK
5			5725.000	63.146	56.279	-59.054	122.200	6.867	PK
6			5775.600	99.207	92.007	N/A	N/A	7.199	PK
7			5850.000	59.100	51.770	-63.100	122.200	7.331	PK
8			5855.000	59.496	52.168	-51.304	110.800	7.327	PK
9			5875.000	59.128	51.714	-46.072	105.200	7.414	PK
10			5925.000	58.065	50.765	-10.135	68.200	7.299	PK
11		*	5997.800	59.506	52.014	-8.694	68.200	7.492	PK

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

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

Site: AC2	Time: 2019/05/07 - 05:08
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	58.177	51.384	-10.023	68.200	6.793	PK
2			5700.000	57.608	50.699	-47.592	105.200	6.909	PK
3			5720.000	57.938	51.034	-52.862	110.800	6.904	PK
4			5725.000	58.152	51.285	-64.048	122.200	6.867	PK
5			5758.800	85.790	78.623	N/A	N/A	7.168	PK
6			5850.000	58.475	51.145	-63.725	122.200	7.331	PK
7			5855.000	57.834	50.506	-52.966	110.800	7.327	PK
8			5875.000	58.946	51.532	-46.254	105.200	7.414	PK
9		*	5925.000	58.516	51.216	-9.684	68.200	7.299	PK

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

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

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **W-LAN + Bluetooth Module** is in compliance with Part 15E of the FCC Rules and IC Rules.

The End

Appendix A – Test Setup Photograph

Refer to “1904WSU022-UT” file.

Appendix B – EUT Photograph

Refer to “1904WSU022-UE” file.