MEASUREMENT REPORT

FCC PART 15.407 WLAN 802.11a/n/ac/ax

FCC ID:	TE7AX50
APPLICANT:	TP-Link Technologies Co., Ltd.
Application Type:	CLASS II PERMISSIVE CHANGE
Product:	AX3000 Gigabit Wi-Fi 6 Router
Model No.:	Archer AX50, Archer AX3000
Brand Name:	tp-link
FCC Classification:	Unlicensed National Information Infrastructure (UNII)
FCC Rule Part(s):	Part15 Subpart E (Section 15.407)
Test Procedure(s):	ANSI C63.10-2013, KDB 789033 D02v02r01, KDB 662911 D01v02r01
Test Date:	April 25 ~ December 20, 2019

Reviewed By: Paddy Chen
(Paddy Chen)

Approved By:
(Chenz Ker)

Testing Laboratory
3261

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
1912TW0111-U2	Rev. 01	Initial Report	12-20-2019	Valid

Note: This report is prepared for FCC Class II permissive change supplement to MRT original "1905TW0114-U2" report adding beamforming function by software control and adding related data.

CONTENTS

§2.1033General Information

Applicant:	TP-Link Technologies Co., Ltd.
Applicant Address:	Building 24 (floors 1,3,4,5) and 28 (floors1-4), Central Science and Technology Park,Nanshan Shenzhen, 518057 China
Manufacturer:	TP-Link Technologies Co., Ltd.
Manufacturer Address:	Building 24 (floors 1,3,4,5) and 28 (floors1-4), Central Science and Technology Park,Nanshan Shenzhen, 518057 China
Test Site:	MRT Technology (Taiwan) Co., Ltd
Test Site Address:	No. 38, Fuxing Second Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C)
Test Device Serial No.:	N/A ☐ Production ☒ Pre-Production ☐ Engineering

Test Facility / Accreditations

Measurements were performed at MRT Laboratory located in Fuxing Rd., Taoyuan, Taiwan (R.O.C)

- **MRT facility is a FCC registered (Reg. No. 153292 and 291082) test facility with the site description report on file and is designated by the FCC as an Accredited Test Firm.**
- **MRT facility is an IC registered (MRT Reg. No. 21723-1) test laboratory with the site description on file at Industry Canada.**
- **MRT Lab is accredited to ISO 17025 by the American Association for Laboratory Accreditation (TAF) under the American Association for Laboratory Accreditation Program (TAF Cert. No. 3261) in EMC, Telecommunications and Radio testing for FCC, Industry Taiwan, EU and TELEC Rules.**

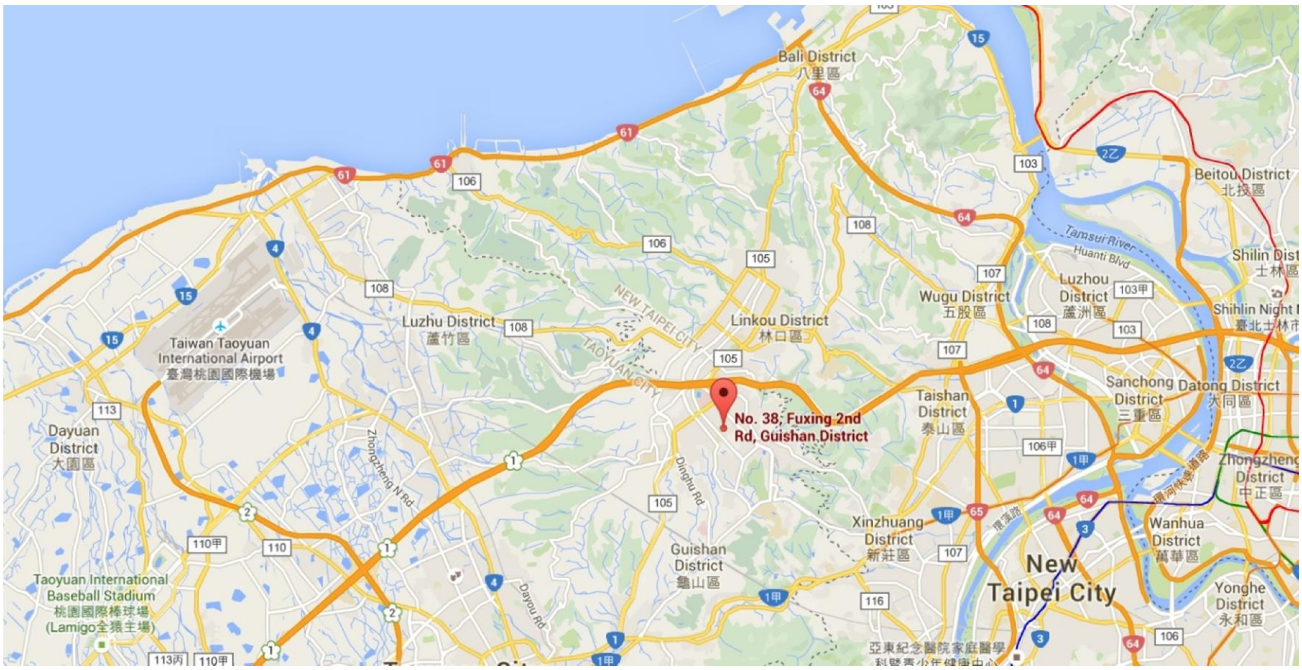
1. INTRODUCTION

1.1. Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices includingintentional and/or unintentional radiators for compliance with the technical rules and regulations of the FederalCommunications 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 Taoyuan City. These measurement tests were conducted at the MRT Technology (Taiwan) Co., Ltd. Facility located at No.38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 33377, Taiwan (R.O.C).



2. PRODUCT INFORMATION

2.1. Equipment Description

Product Name:	AX3000 Gigabit Wi-Fi 6 Router
Model No.:	Archer AX50, Archer AX3000
Brand Name:	tp-link
Wi-Fi Specification:	802.11a/b/g/n/ac/ax

Note: These models are different in the USB interface, “Archer AX50” supports USB 3.0, “Archer AX3000” supports USB2.0. Other circuits are the same. So “Archer AX50” is chosen for the tests.

2.2. Product Specification Subjective to this Report

Frequency Range:	For 802.11a/n-HT20/ac-VHT20/ax-HE20: 5180~5240MHz, 5260~5320MHz, 5500~5720MHz, 5745~5825MHz For 802.11n-HT40/ac-VHT40/ax-HE40: 5190~5230MHz, 5270~5310MHz, 5510~5710MHz, 5755~5795MHz For 802.11ac-VHT80/ax-HE80: 5210MHz, 5290MHz, 5530MHz, 5610 MHz,5690 MHz,5775MHz For 802.11ac-VHT160/ax-HE160: 5250MHz, 5570MHz
Type of Modulation:	802.11a/n/ac: OFDM 802.11ax:OFDMA
Data Rate:	802.11a: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 300Mbps 802.11ac: up to 1733.3Mbps 802.11ax: up to 2401.9Mbps

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

2.3. Working Frequencies for this report

802.11a/n-HT20/ac-VHT20/ax-HE20

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/ax-HE40

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/ax-HE80

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

802.11ac-VHT160/ax-HE160

Channel	Frequency	Channel	Frequency	Channel	Frequency
50	5250 MHz	114	5570 MHz	--	--

2.4. Description of Available Antennas

Antenna Type	Frequency Band (MHz)	TX Paths	Max Antenna Gain (dBi)	BF Directional Gain (dBi)	CDD Directional Gain (dBi)	
					For Power	For PSD
Dipole Antenna	2400 ~ 2500	2	2.0	5.01	2.0	5.01
	5150 ~ 5850	2	3.0	6.01	3.0	6.01

Note:

1. The EUT supports Cyclic Delay Diversity (CDD) mode, and CDD signals are correlated.

   For CDD transmissions, directional gain is calculated as follows, N_{ANT} = 2, N_{SS} = 1.

   If all antennas have the same gain, G_{ANT}, Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows.

   - For power spectral density (PSD) measurements on all devices,

   Array Gain = 10 log (N_{ANT}/ N_{SS}) dB = 3.01;

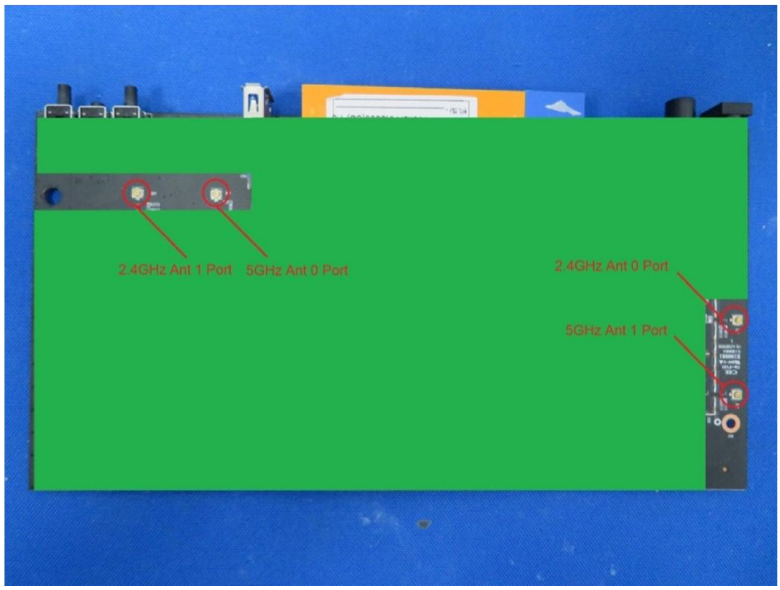
   - For power measurements on IEEE 802.11 devices,

   Array Gain = 0 dB for $N_{ANT} \leq 4$;

2. The EUT also supports Beam Forming mode, and the Beam Forming support 802.11ac/ax, not include 802.11a/b/g/n. BF Directional gain = G_{ANT} + 10 log (N_{ANT}).

2.5. Description of Antenna RF Port

Antenna RF Port				
Software Control Port	2.4GHz RF Port		5GHz RF Port	
	Ant 0	Ant 1	Ant 0	Ant 1



2.6. Test Mode

Test Mode	Mode 1: Transmit by 802.11ac-VHT20 (MCS0) (BF Mode)
	Mode 2: Transmit by 802.11ac-VHT40 (MCS0) (BF Mode)
	Mode 3: Transmit by 802.11ac-VHT80 (MCS0) (BF Mode)
	Mode 4: Transmit by 802.11ac-VHT160 (MCS0) (BF Mode)
	Mode 5: Transmit by 802.11ax-HE20 (MCS0) (BF Mode)
	Mode 6: Transmit by 802.11ax-HE40 (MCS0) (BF Mode)
	Mode 7: Transmit by 802.11ax-HE80 (MCS0) (BF Mode)
	Mode 8:Transmit by 802.11ax-HE160 (MCS0) (BF Mode)

2.7. Description of Test Software

The test utility software used during testing was“DUT_GUI.exe”.

Power Parameter Value for Beam-Forming Mode:

Test Mode	Test Frequency (MHz)	Power Parameter Value	Test Mode	Test Frequency (MHz)	Power Parameter Value
802.11ac-VHT20	5180	15.0	802.11ax-HE20	5180	19.5
	5220	25.0		5220	26.0
	5240	26.0		5240	25.0
	5260	19.0		5260	18.5
	5300	18.5		5300	18.5
	5320	18.5		5320	18.5
	5500	20.0		5500	17.0
	5600	19.5		5600	20.0
	5700	18.0		5700	13.5
	5720	19.0		5720	19.5
	5745	26.0		5745	26.0
	5785	26.0		5785	26.0
	5825	26.0		5825	26.0
802.11ac-VHT40	5190	12.0	802.11ax-HE40	5190	18.0
	5230	26.0		5230	26.0
	5270	19.5		5270	19.5
	5310	20.0		5310	20.0
	5510	15.0		5510	15.5
	5590	20.5		5590	20.0
	5670	17.0		5670	17.5
	5710	20.5		5710	20.0
	5755	26.0		5755	26.0
	5795	26.0		5795	26.0
802.11ac-VHT80	5210	19.0	802.11ax-HE80	5210	12.0
	5290	21.5		5290	21.0
	5530	18.0		5530	17.0
	5610	20.5		5610	20.0
	5690	20.5		5690	20.0
	5775	25.5		5775	24.5
802.11ac-VHT160	5250	20.5	802.11ax-HE160	5250	20.0
	5570	20.0		5570	19.0

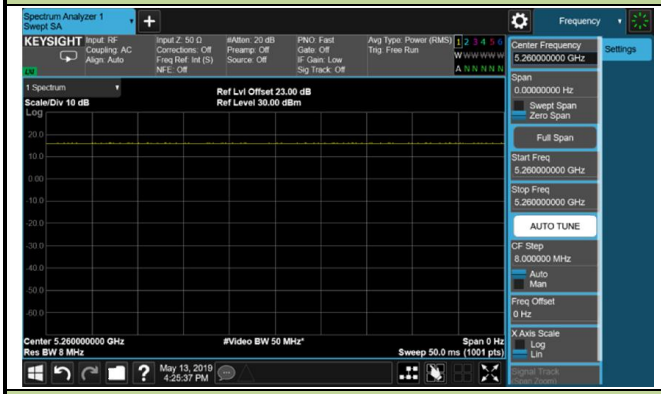
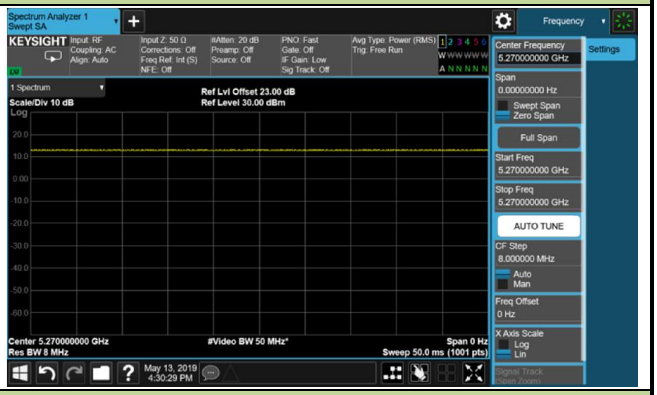
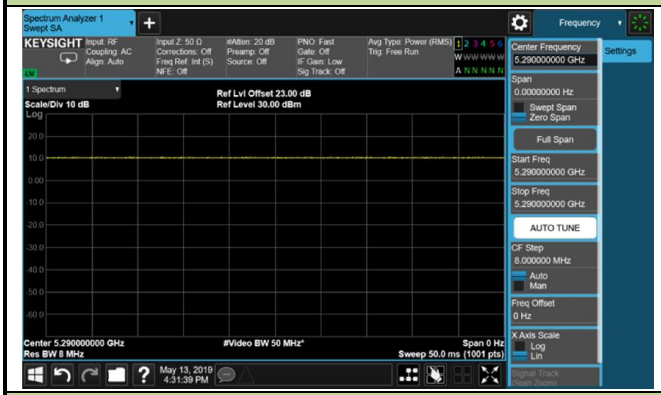
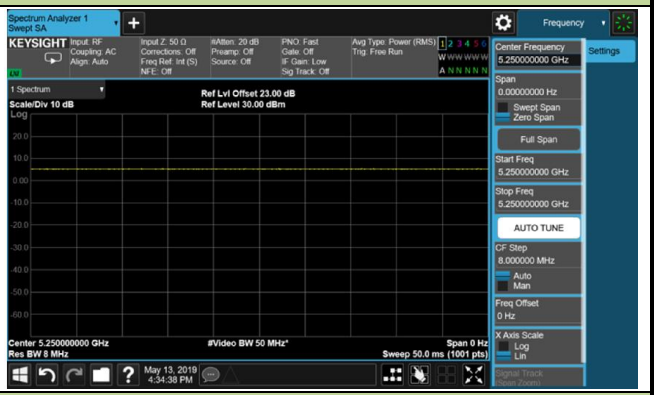
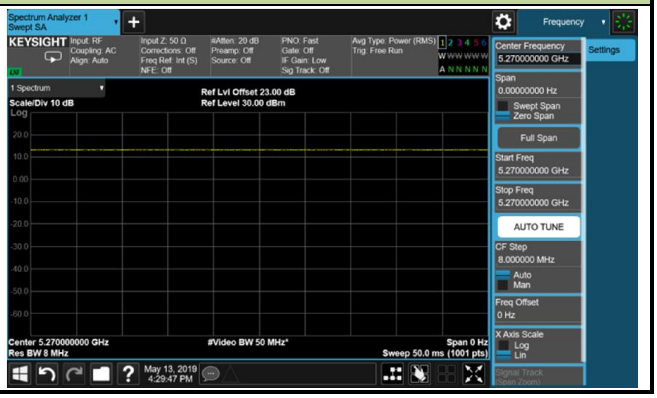
2.8. Device Capabilities

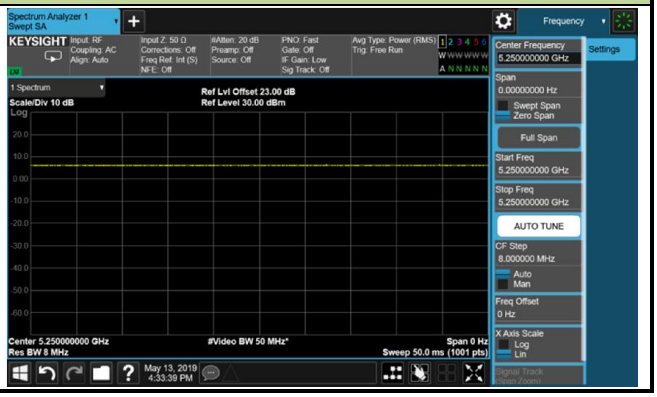
This device contains the following capabilities:

2.4GHz WLAN (DTS), 5GHz WLAN (NII).

Note: 5GHz (NII) operation is possible in 20MHz, 40MHz, 80MHz and 160MHz channel bandwidths. The maximum achievable duty cycles for all modes were determined based on measurements performed on a spectrum analyzer in zero-span mode with RBW = 8MHz, VBW = 50MHz. The RBW and VBW were both greater than 50/T, where T is the minimum transmission duration, and the number of sweep points across T was greater than 100. The duty cycles are as follows:

Model No.	Test Mode	Duty Cycle
Archer AX50	802.11ac-VHT20	100%
	802.11ac-VHT40	100%
	802.11ac-VHT80	100%
	802.11ac-VHT160	100%
	802.11ax-HE20	100%
	802.11ax-HE40	100%
	802.11ax-HE80	100%
	802.11ax-HE160	100%

Duty Cycle (T = Transmission Duration)	
802.11ac-VHT20	802.11ac-VHT40
	
802.11ac-VHT80	802.11ac-VHT160
	
802.11ax-HE20	802.11ax-HE40
	

Duty Cycle (T = Transmission Duration)	
802.11ax-HE80	802.11ax-HE160
	

2.9. Test Configuration

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

2.10. EMI Suppression Device(s)/Modifications

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

2.11. Labeling Requirements

Per 2.1074 & 15.19; Docket 95-19

The label shall be permanently affixed at a conspicuous location on the device; instruction manual or pamphletsupplied to the user and be readily visible to the purchaser at the time of purchase. However, when the deviceis 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 andlabel location.

3. DESCRIPTION OF TEST

3.1. Evaluation Procedure

The measurement procedures described in the American National Standard for Testing Unlicensed WirelessDevices (ANSI C63.10-2013), and the guidance provided in KDB 789033 D02v02r01 were used in themeasurement.

Deviation from measurement procedure…….....None

3.2. AC Line Conducted Emissions

The line-conducted facility is located inside an8'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, remotecontrolled, 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. An80cm 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 tomaximize 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 theresponsible party can be used with the device. The use of a permanently attached antenna or of an antennathat uses a unique coupling to the intentional radiator shall be considered sufficient to comply with theprovisions of this section.”

- The antenna of thedevice is**permanently attached.**
- There are no provisions for connection to an external antenna.

Conclusion:

The unit complies with the requirement of §15.203.

5. TEST EQUIPMENT CALIBRATION DATE

Conducted Emissions

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Two-Line V-Network	R&S	ENV216	MRTTWA00019	1 year	2020/03/25
Two-Line V-Network	R&S	ENV216	MRTTWA00020	1 year	2020/04/25
8-Wire ISN (T8)	R&S	ENY81	MRTTWA00018	1 year	2020/04/23
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2020/03/25
Temperature/Humidity Meter	TFA	35.1078.10.IT	MRTTWA00033	1 year	2020/05/20

Radiated Emissions

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Acitve Loop Antenna	SCHWARZBECK	FMZB 1519B	MRTTWA00002	1 year	2020/04/29
Broadband TRILOG Antenna	SCHWARZBECK	VULB 9162	MRTTWA00001	1 year	2020/05/22
Broadband Hornantenna	SCHWARZBECK	BBHA 9120D	MRTTWA00003	1 year	2020/04/22
Breitband Hornantenna	SCHWARZBECK	BBHA 9170	MRTTWA00004	1 year	2020/04/23
Broadband Preamplifier	SCHWARZBECK	BBV 9718	MRTTWA00005	1 year	2020/04/24
Broadband Amplifier	SCHWARZBECK	BBV 9721	MRTTWA00006	1 year	2020/04/24
Signal Analyzer	R&S	FSV40	MRTTWA00007	1 year	2020/03/26
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2020/03/25
EXA Signal Analyzer	KEYSIGHT	N9010A	MRTTWA00012	1 year	2020/07/30
Antenna Cable	HUBERSUHNER	SF106	MRTTWE00010	1 year	2020/06/18
Temperature/Humidity Meter	TFA	35.1078.10.IT	MRTTWA00032	1 year	2020/05/20

Conducted Test Equipment

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
X-Series USB Peak and Average Power Sensor	KEYSIGHT	U2021XA	MRTTWA00014	1 year	2020/04/22
Wideband Radio Communication Taster	R&S	CMW 500	MRTTWA00041	1 year	2020/01/28
EXA Signal Analyzer	KEYSIGHT	N9010A	MRTTWA00012	1 year	2020/07/30
EXA Signal Analyzer	KEYSIGHT	N9010B	MRTSUE06457	1 year	2020/07/19
Signal Analyzer	R&S	FSV40	MRTTWA00007	1 year	2020/03/26
Temperature/Humidity Meter	TFA	35.1078.10.IT	MRTTWA00033	1 year	2020/05/20

Software	**Version**	**Function**
e3	9.160520a	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: 2.53dB
Radiated Emission Measurement - AC1
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 9kHz ~ 1GHz: 4.25dB 1GHz ~ 25GHz: 4.45dB

7. TEST RESULT

7.1. Summary

FCC Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
15.407(a)(1)(ii), (2), (3)	Maximum Conducted Output Power	Refer to section 7.2	Conducted	Pass	Section 7.2
15.407(b)(1), (4)(i)	Undesirable Emissions	Refer to 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 andRadiated Emission Limits)	Emissions in restrictedbands must meet theradiated limits detailed in15.209		Pass	

Notes:

1) The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer.The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
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.
3) Due to the power setting of beamforming mode is less than the CDD mode, so we only verify RF output power under CDD mode and assess RF output power and Radaiated Emission testing under beamforming mode.

7.2. Output Power Measurement

7.2.1.Test Limit

For the band 5.15-5.25 GHz, the maximum conductedoutput power over the frequency band of operation shall not exceed 1 W provided the maximumantenna gain does not exceed 6 dBi.
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log 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 maximumconducted output power shall be reduced by the amount in dB that the directional gain of theantenna exceeds 6dBi.

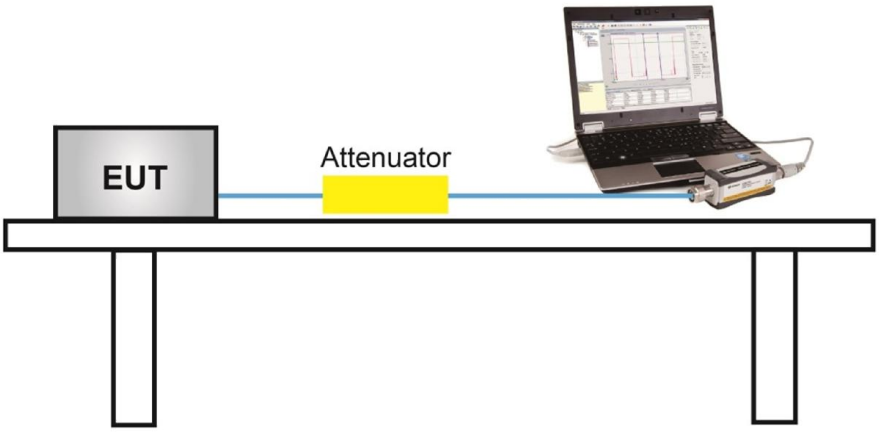
7.2.2.Test Procedure Used

KDB 789033D02v02r01- 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.

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 table,and then choose the maximum power output (grey marker) for final test of each channel.

Pre-Test RF Output Powerat various data rates for Ant 0 port.

Ant 0 / Ant 0+1 - 802.11ac-VHT20 - Channel 36 (5180MHz)									
Date Rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
Power (dBm)	15.10	15.04	14.99	14.97	14.92	14.89	14.85	14.81	14.75

Ant 0 / Ant 0+1 - 802.11ac-VHT40 - Channel 38 (5190MHz)										
Date Rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Power (dBm)	14.06	14.03	14.00	13.97	13.90	13.86	13.81	13.78	13.75	13.71

Ant 0 / Ant 0+1 - 802.11ac-VHT80 - Channel 42 (5210MHz)										
Date Rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Power (dBm)	21.24	21.22	21.19	21.15	21.11	21.06	21.01	20.97	20.95	20.90

Ant 0 / Ant 0+1 - 802.11ac-VHT160 - Channel 50 (5250MHz)										
Date Rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Power (dBm)	20.43	20.33	20.21	20.17	20.11	20.00	19.93	19.84	19.79	19.68

Ant 0 / Ant 0+1 - 802.11ax-HE20 - Channel 36 (5180MHz)												
Date Rate	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9	MCS 10	MCS 11
Power (dBm)	21.63	21.58	21.50	21.47	21.41	21.38	21.35	21.32	21.25	21.20	21.12	21.02

Ant 0 / Ant 0+1 - 802.11ax-HE40 - Channel 38 (5190MHz)												
Date Rate	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9	MCS 10	MCS 11
Power (dBm)	20.43	20.39	20.35	20.27	20.19	20.15	20.11	20.07	20.01	19.91	19.86	19.80

Ant 0 / Ant 0+1 - 802.11ax-HE80 - Channel 42 (5210MHz)												
Date Rate	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9	MCS 10	MCS 11
Power (dBm)	13.96	13.87	13.81	13.75	13.67	13.60	13.49	13.40	13.32	13.29	13.21	13.15

Ant 0 / Ant 0+1 - 802.11ax-VHT160 - Channel 50 (5250MHz)												
Date Rate	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9	MCS 10	MCS 11
Power (dBm)	20.16	20.11	20.06	19.95	19.86	19.81	19.76	19.75	19.68	19.60	19.54	19.50

Note: All modes of operation and data rates were investigated, so all RF test requirements shall be executed at low data rates.

Product	AX3000 Gigabit Wi-Fi 6 Router	Temperature	23 ~ 25°C
Test Engineer	Kevin Ker	Relative Humidity	46 ~ 56%
Test Site	SR1	Test Date	2019/11/08

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power(dBm)	Average Power Limit(dBm)	Result
Beam-Forming Mode								
11ac-VHT20	MCS0	36	5180	15.10	15.77	18.46	≤ 29.99	Pass
11ac-VHT20	MCS0	40	5220	23.88	24.00	26.95	≤ 29.99	Pass
11ac-VHT20	MCS0	48	5240	25.72	25.80	28.77	≤ 29.99	Pass
11ac-VHT20	MCS0	52	5260	18.21	19.00	21.63	≤23.97	Pass
11ac-VHT20	MCS0	60	5300	18.91	19.31	22.12	≤23.97	Pass
11ac-VHT20	MCS0	64	5320	18.52	18.79	21.67	≤23.97	Pass
11ac-VHT20	MCS0	100	5500	19.61	19.43	22.53	≤23.97	Pass
11ac-VHT20	MCS0	120	5600	18.68	18.79	21.75	≤23.97	Pass
11ac-VHT20	MCS0	140	5700	19.04	19.16	22.11	≤23.97	Pass
11ac-VHT20	MCS0	144	5720	18.83	18.56	21.71	≤23.97	Pass
11ac-VHT20	MCS0	149	5745	25.11	24.88	28.01	≤ 29.99	Pass
11ac-VHT20	MCS0	157	5785	25.16	25.11	28.15	≤ 29.99	Pass
11ac-VHT20	MCS0	165	5825	24.95	25.02	28.00	≤ 29.99	Pass
11ac-VHT40	MCS0	38	5190	14.06	13.33	16.72	≤ 29.99	Pass
11ac-VHT40	MCS0	46	5230	24.46	24.91	27.70	≤ 29.99	Pass
11ac-VHT40	MCS0	54	5270	19.50	19.42	22.47	≤23.97	Pass
11ac-VHT40	MCS0	62	5310	20.01	20.42	23.23	≤23.97	Pass
11ac-VHT40	MCS0	102	5510	16.34	15.30	18.86	≤23.97	Pass
11ac-VHT40	MCS0	118	5590	20.19	20.00	23.11	≤23.97	Pass
11ac-VHT40	MCS0	134	5670	19.35	18.38	21.90	≤23.97	Pass
11ac-VHT40	MCS0	142	5710	19.59	20.10	22.86	≤23.97	Pass
11ac-VHT40	MCS0	151	5755	24.80	24.60	27.71	≤ 29.99	Pass
11ac-VHT40	MCS0	159	5795	24.47	24.84	27.67	≤ 29.99	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power(dBm)	Average Power Limit(dBm)	Result
Beam-Forming Mode								
11ac-VHT80	MCS0	42	5210	21.24	20.04	23.69	≤ 29.99	Pass
11ac-VHT80	MCS0	58	5290	20.09	20.14	23.13	≤23.97	Pass
11ac-VHT80	MCS0	106	5530	19.66	18.80	22.26	≤23.97	Pass
11ac-VHT80	MCS0	122	5610	19.86	19.44	22.67	≤23.97	Pass
11ac-VHT80	MCS0	138	5690	19.96	20.04	23.01	≤23.97	Pass
11ac-VHT80	MCS0	155	5775	23.80	23.56	26.69	≤ 29.99	Pass
11ac-VHT160	MCS0	50	5250	20.08	20.05	23.08	≤23.97	Pass
11ac-VHT160	MCS0	114	5570	19.92	20.04	22.99	≤23.97	Pass
11ax-HE20	MCS0	36	5180	21.63	20.10	23.94	≤ 29.99	Pass
11ax-HE20	MCS0	40	5220	23.95	24.03	27.00	≤ 29.99	Pass
11ax-HE20	MCS0	48	5240	24.66	24.65	27.67	≤ 29.99	Pass
11ax-HE20	MCS0	52	5260	19.27	19.47	22.38	≤23.97	Pass
11ax-HE20	MCS0	60	5300	19.48	19.62	22.56	≤23.97	Pass
11ax-HE20	MCS0	64	5320	18.75	19.07	21.92	≤23.97	Pass
11ax-HE20	MCS0	100	5500	18.97	17.69	21.39	≤23.97	Pass
11ax-HE20	MCS0	120	5600	18.97	18.34	21.68	≤23.97	Pass
11ax-HE20	MCS0	140	5700	15.44	14.91	18.19	≤23.97	Pass
11ax-HE20	MCS0	144	5720	19.05	18.06	21.59	≤23.97	Pass
11ax-HE20	MCS0	149	5745	25.31	25.26	28.30	≤ 29.99	Pass
11ax-HE20	MCS0	157	5785	25.49	25.61	28.56	≤ 29.99	Pass
11ax-HE20	MCS0	165	5825	25.43	25.03	28.24	≤ 29.99	Pass
11ax-HE40	MCS0	38	5190	20.43	19.66	23.07	≤ 29.99	Pass
11ax-HE40	MCS0	46	5230	24.47	24.76	27.63	≤ 29.99	Pass
11ax-HE40	MCS0	54	5270	19.22	18.68	21.97	≤23.97	Pass
11ax-HE40	MCS0	62	5310	19.82	20.03	22.94	≤23.97	Pass
11ax-HE40	MCS0	102	5510	17.28	16.32	19.84	≤23.97	Pass
11ax-HE40	MCS0	118	5590	20.57	20.31	23.45	≤23.97	Pass
11ax-HE40	MCS0	134	5670	19.76	19.20	22.50	≤23.97	Pass
11ax-HE40	MCS0	142	5710	19.55	20.39	23.00	≤23.97	Pass
11ax-HE40	MCS0	151	5755	25.47	25.76	28.63	≤ 29.99	Pass
11ax-HE40	MCS0	159	5795	25.17	25.61	28.41	≤ 29.99	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power(dBm)	Average Power Limit(dBm)	Result
Beam-Forming Mode								
11ax-HE80	MCS0	42	5210	13.96	13.24	16.63	≤ 29.99	Pass
11ax-HE80	MCS0	58	5290	20.65	20.45	23.56	≤23.97	Pass
11ax-HE80	MCS0	106	5530	19.05	18.35	21.72	≤23.97	Pass
11ax-HE80	MCS0	122	5610	19.87	19.52	22.71	≤23.97	Pass
11ax-HE80	MCS0	138	5690	19.88	20.48	23.20	≤23.97	Pass
11ax-HE80	MCS0	155	5775	24.05	24.08	27.08	≤ 29.99	Pass
11ax-HE160	MCS0	50	5250	19.44	19.38	22.42	≤23.97	Pass
11ax-HE160	MCS0	114	5570	19.54	19.39	22.48	≤23.97	Pass

Note 1:

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

Note 2:

For 5150 - 5250MHz and 5725 - 5850MHz Bands: Average Power Limit (dBm) = 30 - (6.01 - 6)

= 29.99dBm.

For 5250 - 5350MHz and 5470 - 5725MHz Bands: Average Power Limit (dBm) = 23.98 - (6.01 - 6)

= 23.97dBm.

Verify CDD Mode Conducted Power

Product	AX3000 Gigabit Wi-Fi 6 Router	Temperature	23 ~ 25°C
Test Engineer	Kevin Ker	Relative Humidity	46 ~ 56%
Test Site	SR1	Test Date	2019/11/08

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	Result
11a	6Mbps	36	5180	25.03	25.00	28.03	≤ 30.00	Pass
11a	6Mbps	44	5220	25.25	25.47	28.37	≤ 30.00	Pass
11a	6Mbps	48	5240	25.44	25.33	28.40	≤ 30.00	Pass
11a	6Mbps	52	5260	18.25	19.06	21.68	≤ 23.98	Pass
11a	6Mbps	60	5300	17.92	18.08	21.01	≤ 23.98	Pass
11a	6Mbps	64	5320	18.39	18.65	21.53	≤ 23.98	Pass
11a	6Mbps	100	5500	18.58	18.21	21.41	≤ 23.98	Pass
11a	6Mbps	120	5600	18.99	18.40	21.72	≤ 23.98	Pass
11a	6Mbps	140	5700	19.29	19.06	22.19	≤ 23.98	Pass
11a	6Mbps	144	5720	18.06	17.53	20.81	≤ 23.98	Pass
11a	6Mbps	149	5745	24.80	24.75	27.79	≤ 30.00	Pass
11a	6Mbps	157	5785	24.83	24.89	27.87	≤ 30.00	Pass
11a	6Mbps	165	5825	24.57	24.37	27.48	≤ 30.00	Pass
11n-HT20	MCS0	36	5180	25.00	25.12	28.07	≤ 30.00	Pass
11n-HT20	MCS0	40	5220	25.78	25.40	28.60	≤ 30.00	Pass
11n-HT20	MCS0	48	5240	24.02	23.71	26.88	≤ 30.00	Pass
11n-HT20	MCS0	52	5260	18.04	18.64	21.36	≤ 23.98	Pass
11n-HT20	MCS0	60	5300	17.82	18.55	21.21	≤ 23.98	Pass
11n-HT20	MCS0	64	5320	18.13	18.47	21.31	≤ 23.98	Pass
11n-HT20	MCS0	100	5500	18.10	18.72	21.43	≤ 23.98	Pass
11n-HT20	MCS0	120	5600	19.14	19.29	22.23	≤ 23.98	Pass
11n-HT20	MCS0	140	5700	18.26	17.88	21.08	≤ 23.98	Pass
11n-HT20	MCS0	144	5720	17.90	17.64	20.78	≤ 23.98	Pass
11n-HT20	MCS0	149	5745	24.65	24.72	27.70	≤ 30.00	Pass
11n-HT20	MCS0	157	5785	24.83	24.87	27.86	≤ 30.00	Pass
11n-HT20	MCS0	165	5825	24.62	24.52	27.58	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	Result
11n-HT40	MCS0	38	5190	22.11	22.08	25.11	≤ 30.00	Pass
11n-HT40	MCS0	46	5230	25.61	25.31	28.47	≤ 30.00	Pass
11n-HT40	MCS0	54	5270	19.73	19.01	22.40	≤ 23.98	Pass
11n-HT40	MCS0	62	5310	20.13	19.83	22.99	≤ 23.98	Pass
11n-HT40	MCS0	102	5510	20.23	19.68	22.97	≤ 23.98	Pass
11n-HT40	MCS0	118	5590	20.23	19.30	22.80	≤ 23.98	Pass
11n-HT40	MCS0	134	5670	19.66	19.91	22.80	≤ 23.98	Pass
11n-HT40	MCS0	142	5710	19.65	19.89	22.78	≤ 23.98	Pass
11n-HT40	MCS0	151	5755	24.43	25.03	27.75	≤ 30.00	Pass
11n-HT40	MCS0	159	5795	24.76	25.15	27.97	≤ 30.00	Pass
11ac-VHT20	MCS0	36	5180	24.84	25.12	27.99	≤ 30.00	Pass
11ac-VHT20	MCS0	40	5220	23.88	24.00	26.95	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	25.72	25.80	28.77	≤ 30.00	Pass
11ac-VHT20	MCS0	52	5260	18.21	19.00	21.63	≤ 23.98	Pass
11ac-VHT20	MCS0	60	5300	18.91	19.31	22.12	≤ 23.98	Pass
11ac-VHT20	MCS0	64	5320	18.52	18.79	21.67	≤ 23.98	Pass
11ac-VHT20	MCS0	100	5500	19.61	19.43	22.53	≤ 23.98	Pass
11ac-VHT20	MCS0	120	5600	19.04	19.16	22.11	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	18.76	18.85	21.82	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	18.83	18.56	21.71	≤ 23.98	Pass
11ac-VHT20	MCS0	149	5745	25.11	24.88	28.01	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	25.16	25.11	28.15	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	24.95	25.02	28.00	≤ 30.00	Pass
11ac-VHT40	MCS0	38	5190	22.05	22.52	25.30	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	24.46	24.91	27.70	≤ 30.00	Pass
11ac-VHT40	MCS0	54	5270	19.50	19.42	22.47	≤ 23.98	Pass
11ac-VHT40	MCS0	62	5310	20.01	20.42	23.23	≤ 23.98	Pass
11ac-VHT40	MCS0	102	5510	20.00	20.17	23.10	≤ 23.98	Pass
11ac-VHT40	MCS0	118	5590	20.19	20.00	23.11	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	20.04	20.17	23.12	≤ 23.98	Pass
11ac-VHT40	MCS0	142	5710	19.59	20.10	22.86	≤ 23.98	Pass
11ac-VHT40	MCS0	151	5755	24.80	24.60	27.71	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	24.47	24.84	27.67	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	Result
11ac-VHT80	MCS0	42	5210	22.01	21.68	24.86	≤ 30.00	Pass
11ac-VHT80	MCS0	58	5290	20.09	20.14	23.13	≤ 23.98	Pass
11ac-VHT80	MCS0	106	5530	20.06	19.37	22.74	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	19.86	19.44	22.67	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	19.96	20.04	23.01	≤ 23.98	Pass
11ac-VHT80	MCS0	155	5775	23.80	23.56	26.69	≤ 30.00	Pass
11ac-VHT160	MCS0	50	5250	20.08	20.05	23.08	≤ 23.98	Pass
11ac-VHT160	MCS0	114	5570	20.02	20.28	23.16	≤ 23.98	Pass
11ax-HE20	MCS0	36	5180	25.30	25.20	28.26	≤ 30.00	Pass
11ax-HE20	MCS0	40	5220	23.95	24.03	27.00	≤ 30.00	Pass
11ax-HE20	MCS0	48	5240	24.66	24.65	27.67	≤ 30.00	Pass
11ax-HE20	MCS0	52	5260	19.27	19.47	22.38	≤ 23.98	Pass
11ax-HE20	MCS0	60	5300	19.48	19.62	22.56	≤ 23.98	Pass
11ax-HE20	MCS0	64	5320	18.75	19.07	21.92	≤ 23.98	Pass
11ax-HE20	MCS0	100	5500	20.68	20.05	23.39	≤ 23.98	Pass
11ax-HE20	MCS0	120	5600	18.97	18.34	21.68	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	18.65	18.55	21.61	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	19.05	18.06	21.59	≤ 23.98	Pass
11ax-HE20	MCS0	149	5745	25.31	25.26	28.30	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	25.49	25.61	28.56	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	25.43	25.03	28.24	≤ 30.00	Pass
11ax-HE40	MCS0	38	5190	22.64	23.22	25.95	≤ 30.00	Pass
11ax-HE40	MCS0	46	5230	24.47	24.76	27.63	≤ 30.00	Pass
11ax-HE40	MCS0	54	5270	19.22	18.68	21.97	≤ 23.98	Pass
11ax-HE40	MCS0	62	5310	19.82	20.03	22.94	≤ 23.98	Pass
11ax-HE40	MCS0	102	5510	20.66	19.36	23.07	≤ 23.98	Pass
11ax-HE40	MCS0	118	5590	20.57	20.31	23.45	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	19.70	20.41	23.08	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	19.55	20.39	23.00	≤ 23.98	Pass
11ax-HE40	MCS0	151	5755	25.47	25.76	28.63	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	25.17	25.61	28.41	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	Result
11ax-HE80	MCS0	42	5210	21.70	22.45	25.10	≤ 30.00	Pass
11ax-HE80	MCS0	58	5290	20.65	20.45	23.56	≤ 23.98	Pass
11ax-HE80	MCS0	106	5530	20.14	19.96	23.06	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	19.87	19.52	22.71	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	19.88	20.48	23.20	≤ 23.98	Pass
11ax-HE80	MCS0	155	5775	24.05	24.08	27.08	≤ 30.00	Pass
11ax-HE160	MCS0	50	5250	19.44	19.38	22.42	≤ 23.98	Pass
11ax-HE160	MCS0	114	5570	20.66	20.22	23.46	≤ 23.98	Pass

Note 1:

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

Note 2:

For 5250 - 5350MHz and 5470 - 5725MHz Bands: Average Power Limit (dBm) = 23.98 dBm.

For 5150 - 5250MHz and 5725 - 5850MHz Bands: Average Power Limit (dBm) = 30 dBm.

7.3. Radiated Spurious Emission Measurement

7.3.1.Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR 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

7.3.2.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)

7.3.3.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
> 1000MHz	1MHz

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

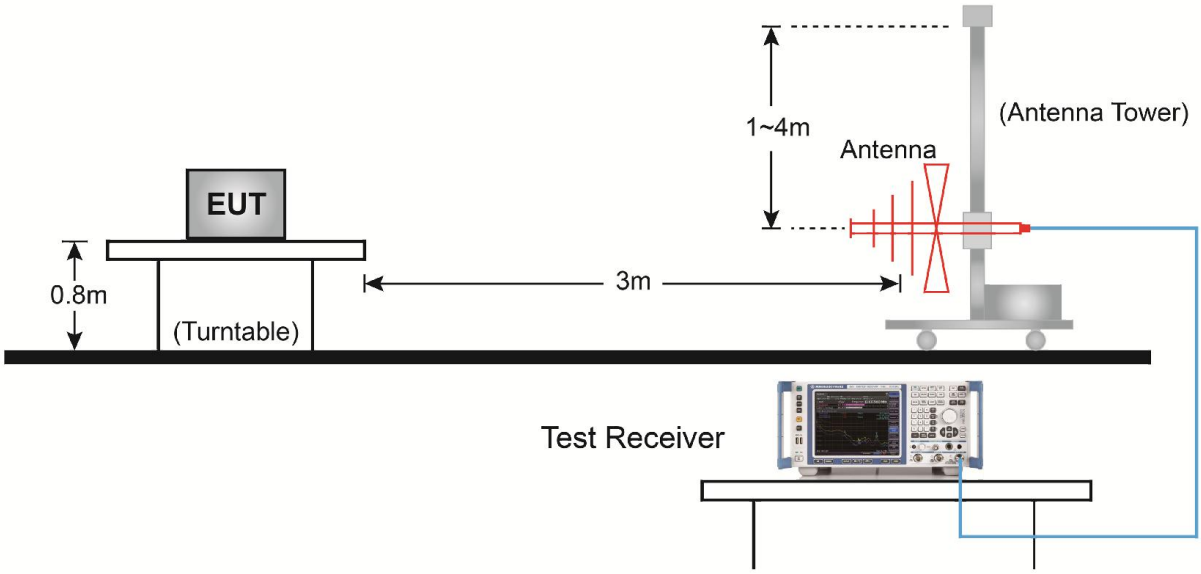
5. Sweep time = auto

6. Trace mode = max hold

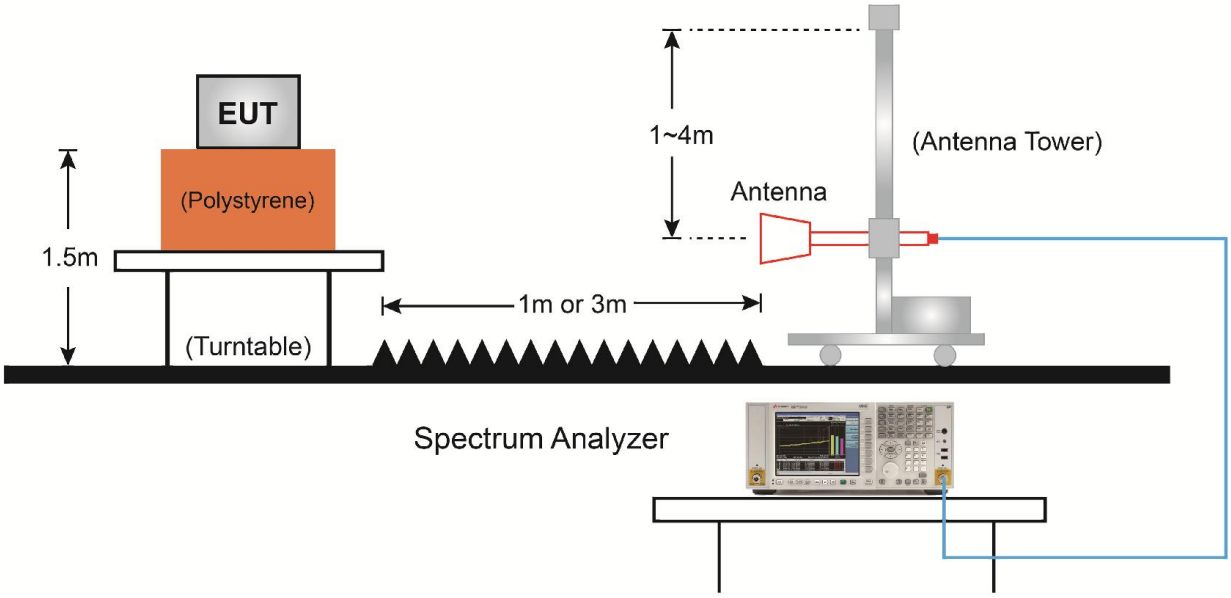
7. Trace was allowed to stabilize

7.3.4.Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



7.3.5.Test Result

Product	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT20 (Beam-Forming Mode)	Test Channel	36
Note	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
	7477.0	35.9	11.7	47.6	74.0	-26.4	Peak	Horizontal
	8276.0	35.1	12.4	47.5	74.0	-26.5	Peak	Horizontal
*	8820.0	34.6	13.3	47.9	68.2	-20.3	Peak	Horizontal
*	10239.5	36.7	16.0	52.7	68.2	-15.5	Peak	Horizontal
	7681.0	39.1	11.9	51.0	74.0	-23.0	Peak	Vertical
	8199.5	35.6	12.3	47.9	74.0	-26.1	Peak	Vertical
*	8769.0	34.6	13.2	47.8	68.2	-20.4	Peak	Vertical
*	9636.0	36.9	14.1	51.0	68.2	-17.2	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT20 (Beam-Forming Mode)	Test Channel	44
Note	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
	7621.5	36.8	11.8	48.6	74.0	-25.4	Peak	Horizontal
	8386.5	34.6	12.4	47.0	74.0	-27.0	Peak	Horizontal
*	8752.0	34.5	13.1	47.6	68.2	-20.6	Peak	Horizontal
*	9610.5	37.3	14.0	51.3	68.2	-16.9	Peak	Horizontal
	7553.5	36.6	11.8	48.4	74.0	-25.6	Peak	Vertical
	8276.0	35.0	12.4	47.4	74.0	-26.6	Peak	Vertical
*	8684.0	37.0	12.9	49.9	68.2	-18.3	Peak	Vertical
*	9950.5	36.3	15.1	51.4	68.2	-16.8	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT20 (Beam-Forming Mode)	Test Channel	48
Note	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
	7383.5	37.4	11.5	48.9	74.0	-25.1	Peak	Horizontal
	8301.5	36.0	12.4	48.4	74.0	-25.6	Peak	Horizontal
*	8701.0	35.8	13.0	48.8	68.2	-19.4	Peak	Horizontal
*	9670.0	37.5	14.2	51.7	68.2	-16.5	Peak	Horizontal
	7698.0	37.9	11.9	49.8	74.0	-24.2	Peak	Vertical
	8191.0	36.3	12.3	48.6	74.0	-25.4	Peak	Vertical
*	8837.0	36.0	13.3	49.3	68.2	-18.9	Peak	Vertical
*	9797.5	36.2	14.6	50.8	68.2	-17.4	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT20 (Beam-Forming Mode)	Test Channel	52
Note	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
	7443.0	35.3	11.6	46.9	74.0	-27.1	Peak	Horizontal
	8131.5	37.1	12.3	49.4	74.0	-24.6	Peak	Horizontal
*	8777.5	35.1	13.2	48.3	68.2	-19.9	Peak	Horizontal
*	9950.5	36.3	15.1	51.4	68.2	-16.8	Peak	Horizontal
	7681.0	37.3	11.9	49.2	74.0	-24.8	Peak	Vertical
	8259.0	36.2	12.3	48.5	74.0	-25.5	Peak	Vertical
*	8743.5	36.5	13.1	49.6	68.2	-18.6	Peak	Vertical
*	10061.0	36.1	15.5	51.6	68.2	-16.6	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT20 (Beam-Forming Mode)	Test Channel	60
Note	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
	7426.0	35.5	11.5	47.0	74.0	-27.0	Peak	Horizontal
	8191.0	36.5	12.3	48.8	74.0	-25.2	Peak	Horizontal
*	8624.5	36.4	12.8	49.2	68.2	-19.0	Peak	Horizontal
*	9959.0	35.8	15.1	50.9	68.2	-17.3	Peak	Horizontal
	7681.0	37.5	11.9	49.4	74.0	-24.6	Peak	Vertical
	8335.5	35.9	12.4	48.3	74.0	-25.7	Peak	Vertical
*	8701.0	34.4	13.0	47.4	68.2	-20.8	Peak	Vertical
*	9908.0	36.2	15.0	51.2	68.2	-17.0	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT20 (Beam-Forming Mode)	Test Channel	64
Note	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
	7443.0	34.2	11.6	45.8	74.0	-28.2	Peak	Horizontal
	8242.0	34.1	12.3	46.4	74.0	-27.6	Peak	Horizontal
*	8743.5	33.8	13.1	46.9	68.2	-21.3	Peak	Horizontal
*	9831.5	35.8	14.7	50.5	68.2	-17.7	Peak	Horizontal
	7681.0	37.7	11.9	49.6	74.0	-24.4	Peak	Vertical
	8446.0	36.2	12.4	48.6	74.0	-25.4	Peak	Vertical
*	8743.5	35.4	13.1	48.5	68.2	-19.7	Peak	Vertical
*	9831.5	36.6	14.7	51.3	68.2	-16.9	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT20 (Beam-Forming Mode)	Test Channel	100
Note	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
	7375.0	37.0	11.4	48.4	74.0	-25.6	Peak	Horizontal
	8208.0	35.4	12.3	47.7	74.0	-26.3	Peak	Horizontal
*	8701.0	35.6	13.0	48.6	68.2	-19.6	Peak	Horizontal
*	9772.0	36.9	14.5	51.4	68.2	-16.8	Peak	Horizontal
	7681.0	38.3	11.9	50.2	74.0	-23.8	Peak	Vertical
	8310.0	35.5	12.4	47.9	74.0	-26.1	Peak	Vertical
*	8692.5	34.1	13.0	47.1	68.2	-21.1	Peak	Vertical
*	9746.5	36.4	14.4	50.8	68.2	-17.4	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT20 (Beam-Forming Mode)	Test Channel	120
Note	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
	7604.5	36.4	11.8	48.2	74.0	-25.8	Peak	Horizontal
	8420.5	35.7	12.4	48.1	74.0	-25.9	Peak	Horizontal
*	8803.0	35.4	13.3	48.7	68.2	-19.5	Peak	Horizontal
*	9661.5	36.9	14.2	51.1	68.2	-17.1	Peak	Horizontal
	7672.5	36.6	11.9	48.5	74.0	-25.5	Peak	Vertical
	8463.0	35.8	12.4	48.2	74.0	-25.8	Peak	Vertical
*	8803.0	35.1	13.3	48.4	68.2	-19.8	Peak	Vertical
*	9925.0	36.2	15.0	51.2	68.2	-17.0	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT20 (Beam-Forming Mode)	Test Channel	140
Note	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
	7613.0	36.1	11.8	47.9	74.0	-26.1	Peak	Horizontal
	8216.5	36.2	12.3	48.5	74.0	-25.5	Peak	Horizontal
*	8624.5	36.6	12.8	49.4	68.2	-18.8	Peak	Horizontal
*	10163.0	36.4	15.8	52.2	68.2	-16.0	Peak	Horizontal
	7681.0	37.0	11.9	48.9	74.0	-25.1	Peak	Vertical
	8157.0	37.2	12.3	49.5	74.0	-24.5	Peak	Vertical
*	8769.0	36.3	13.2	49.5	68.2	-18.7	Peak	Vertical
*	10163.0	36.5	15.8	52.3	68.2	-15.9	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT20 (Beam-Forming Mode)	Test Channel	144
Note	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
	7366.5	36.4	11.4	47.8	74.0	-26.2	Peak	Horizontal
	8097.5	37.6	12.3	49.9	74.0	-24.1	Peak	Horizontal
*	8709.5	36.4	13.0	49.4	68.2	-18.8	Peak	Horizontal
*	9993.0	36.2	15.2	51.4	68.2	-16.8	Peak	Horizontal
	7681.0	37.0	11.9	48.9	74.0	-25.1	Peak	Vertical
	8157.0	37.1	12.3	49.4	74.0	-24.6	Peak	Vertical
*	8820.0	36.1	13.3	49.4	68.2	-18.8	Peak	Vertical
*	9831.5	36.7	14.7	51.4	68.2	-16.8	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT20 (Beam-Forming Mode)	Test Channel	149
Note	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
	7545.0	36.1	11.8	47.9	74.0	-26.1	Peak	Horizontal
	8114.5	37.3	12.3	49.6	74.0	-24.4	Peak	Horizontal
*	8658.5	36.9	12.9	49.8	68.2	-18.4	Peak	Horizontal
*	10146.0	35.6	15.7	51.3	68.2	-16.9	Peak	Horizontal
	7681.0	37.6	11.9	49.5	74.0	-24.5	Peak	Vertical
	8386.5	35.8	12.4	48.2	74.0	-25.8	Peak	Vertical
*	8735.0	36.4	13.1	49.5	68.2	-18.7	Peak	Vertical
*	9899.5	36.0	14.9	50.9	68.2	-17.3	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT20 (Beam-Forming Mode)	Test Channel	157
Note	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
	7434.5	34.7	11.6	46.3	74.0	-27.7	Peak	Horizontal
	8454.5	36.2	12.4	48.6	74.0	-25.4	Peak	Horizontal
*	8743.5	35.7	13.1	48.8	68.2	-19.4	Peak	Horizontal
*	9891.0	35.7	14.9	50.6	68.2	-17.6	Peak	Horizontal
	7570.5	37.4	11.8	49.2	74.0	-24.8	Peak	Vertical
	8208.0	36.6	12.3	48.9	74.0	-25.1	Peak	Vertical
*	8811.5	36.0	13.3	49.3	68.2	-18.9	Peak	Vertical
*	10205.5	36.1	15.9	52.0	68.2	-16.2	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT20 (Beam-Forming Mode)	Test Channel	165
Note	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
	7562.0	35.1	11.8	46.9	74.0	-27.1	Peak	Horizontal
	8471.5	34.9	12.4	47.3	74.0	-26.7	Peak	Horizontal
*	8922.0	34.3	13.6	47.9	68.2	-20.3	Peak	Horizontal
*	9925.0	35.6	15.0	50.6	68.2	-17.6	Peak	Horizontal
	7681.0	37.3	11.9	49.2	74.0	-24.8	Peak	Vertical
	8140.0	36.8	12.3	49.1	74.0	-24.9	Peak	Vertical
*	8760.5	35.8	13.1	48.9	68.2	-19.3	Peak	Vertical
*	9967.5	36.8	15.2	52.0	68.2	-16.2	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT40 (Beam-Forming Mode)	Test Channel	38
Note	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
	7587.5	37.1	11.8	48.9	74.0	-25.1	Peak	Horizontal
	8301.5	36.4	12.4	48.8	74.0	-25.2	Peak	Horizontal
*	8871.0	36.1	13.4	49.5	68.2	-18.7	Peak	Horizontal
*	9687.0	37.0	14.2	51.2	68.2	-17.0	Peak	Horizontal
	7681.0	37.0	11.9	48.9	74.0	-25.1	Peak	Vertical
	8140.0	36.6	12.3	48.9	74.0	-25.1	Peak	Vertical
*	8786.0	35.1	13.2	48.3	68.2	-19.9	Peak	Vertical
*	9933.5	35.8	15.0	50.8	68.2	-17.4	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT40 (Beam-Forming Mode)	Test Channel	46
Note	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
	7485.5	36.3	11.7	48.0	74.0	-26.0	Peak	Horizontal
	8199.5	35.4	12.3	47.7	74.0	-26.3	Peak	Horizontal
*	8769.0	36.4	13.2	49.6	68.2	-18.6	Peak	Horizontal
*	9865.5	36.5	14.8	51.3	68.2	-16.9	Peak	Horizontal
	7681.0	37.2	11.9	49.1	74.0	-24.9	Peak	Vertical
	8199.5	35.1	12.3	47.4	74.0	-26.6	Peak	Vertical
*	8735.0	35.0	13.1	48.1	68.2	-20.1	Peak	Vertical
*	9678.5	35.7	14.2	49.9	68.2	-18.3	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT40 (Beam-Forming Mode)	Test Channel	54
Note	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
	7681.0	35.9	11.9	47.8	74.0	-26.2	Peak	Horizontal
	8131.5	34.7	12.3	47.0	74.0	-27.0	Peak	Horizontal
*	8896.5	36.1	13.5	49.6	68.2	-18.6	Peak	Horizontal
*	10239.5	35.6	16.0	51.6	68.2	-16.6	Peak	Horizontal
	7681.0	37.9	11.9	49.8	74.0	-24.2	Peak	Vertical
	8318.5	35.6	12.4	48.0	74.0	-26.0	Peak	Vertical
*	8820.0	36.2	13.3	49.5	68.2	-18.7	Peak	Vertical
*	9789.0	36.9	14.6	51.5	68.2	-16.7	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT40 (Beam-Forming Mode)	Test Channel	62
Note	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
	7426.0	36.3	11.5	47.8	74.0	-26.2	Peak	Horizontal
	8199.5	37.2	12.3	49.5	74.0	-24.5	Peak	Horizontal
*	8820.0	36.2	13.3	49.5	68.2	-18.7	Peak	Horizontal
*	10001.5	35.8	15.3	51.1	68.2	-17.1	Peak	Horizontal
	7681.0	37.9	11.9	49.8	74.0	-24.2	Peak	Vertical
	8182.5	36.0	12.3	48.3	74.0	-25.7	Peak	Vertical
*	8828.5	35.7	13.3	49.0	68.2	-19.2	Peak	Vertical
*	9772.0	36.2	14.5	50.7	68.2	-17.5	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT40 (Beam-Forming Mode)	Test Channel	102
Note	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
	7570.5	36.2	11.8	48.0	74.0	-26.0	Peak	Horizontal
	8242.0	35.3	12.3	47.6	74.0	-26.4	Peak	Horizontal
*	8735.0	36.9	13.1	50.0	68.2	-18.2	Peak	Horizontal
*	9789.0	36.5	14.6	51.1	68.2	-17.1	Peak	Horizontal
	7681.0	37.9	11.9	49.8	74.0	-24.2	Peak	Vertical
	8310.0	34.3	12.4	46.7	74.0	-27.3	Peak	Vertical
*	8692.5	35.0	13.0	48.0	68.2	-20.2	Peak	Vertical
*	10137.5	35.9	15.7	51.6	68.2	-16.6	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT40 (Beam-Forming Mode)	Test Channel	118
Note	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
	7468.5	35.7	11.6	47.3	74.0	-26.7	Peak	Horizontal
	8293.0	35.4	12.4	47.8	74.0	-26.2	Peak	Horizontal
*	8777.5	35.4	13.2	48.6	68.2	-19.6	Peak	Horizontal
*	10137.5	36.2	15.7	51.9	68.2	-16.3	Peak	Horizontal
	7468.5	35.8	11.6	47.4	74.0	-26.6	Peak	Vertical
	8378.0	35.4	12.4	47.8	74.0	-26.2	Peak	Vertical
*	8692.5	35.2	13.0	48.2	68.2	-20.0	Peak	Vertical
*	10163.0	34.9	15.8	50.7	68.2	-17.5	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT40 (Beam-Forming Mode)	Test Channel	134
Note	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
	7366.5	36.1	11.4	47.5	74.0	-26.5	Peak	Horizontal
	8157.0	36.1	12.3	48.4	74.0	-25.6	Peak	Horizontal
*	8777.5	35.3	13.2	48.5	68.2	-19.7	Peak	Horizontal
*	10095.0	35.5	15.6	51.1	68.2	-17.1	Peak	Horizontal
	7681.0	37.6	11.9	49.5	74.0	-24.5	Peak	Vertical
	8165.5	35.1	12.3	47.4	74.0	-26.6	Peak	Vertical
*	8777.5	35.5	13.2	48.7	68.2	-19.5	Peak	Vertical
*	10112.0	35.9	15.6	51.5	68.2	-16.7	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT40 (Beam-Forming Mode)	Test Channel	142
Note	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
	7468.5	33.8	11.6	45.4	74.0	-28.6	Peak	Horizontal
	8378.0	34.0	12.4	46.4	74.0	-27.6	Peak	Horizontal
*	8862.5	34.2	13.4	47.6	68.2	-20.6	Peak	Horizontal
*	10290.5	35.3	16.2	51.5	68.2	-16.7	Peak	Horizontal
	7681.0	37.5	11.9	49.4	74.0	-24.6	Peak	Vertical
	8488.5	36.6	12.5	49.1	74.0	-24.9	Peak	Vertical
*	8820.0	35.2	13.3	48.5	68.2	-19.7	Peak	Vertical
*	10180.0	36.1	15.8	51.9	68.2	-16.3	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT40 (Beam-Forming Mode)	Test Channel	151
Note	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
	7434.5	34.8	11.6	46.4	74.0	-27.6	Peak	Horizontal
	8446.0	36.2	12.4	48.6	74.0	-25.4	Peak	Horizontal
*	8820.0	35.3	13.3	48.6	68.2	-19.6	Peak	Horizontal
*	9738.0	36.8	14.4	51.2	68.2	-17.0	Peak	Horizontal
	7681.0	37.2	11.9	49.1	74.0	-24.9	Peak	Vertical
	8437.5	36.2	12.4	48.6	74.0	-25.4	Peak	Vertical
*	8913.5	36.9	13.6	50.5	68.2	-17.7	Peak	Vertical
*	10163.0	35.9	15.8	51.7	68.2	-16.5	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT40 (Beam-Forming Mode)	Test Channel	159
Note	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
	7519.5	36.4	11.7	48.1	74.0	-25.9	Peak	Horizontal
	8480.0	36.7	12.4	49.1	74.0	-24.9	Peak	Horizontal
*	8845.5	35.1	13.4	48.5	68.2	-19.7	Peak	Horizontal
*	9933.5	36.0	15.0	51.0	68.2	-17.2	Peak	Horizontal
	7664.0	36.1	11.9	48.0	74.0	-26.0	Peak	Vertical
	8429.0	35.6	12.4	48.0	74.0	-26.0	Peak	Vertical
*	8811.5	35.3	13.3	48.6	68.2	-19.6	Peak	Vertical
*	9891.0	35.9	14.9	50.8	68.2	-17.4	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT80 (Beam-Forming Mode)	Test Channel	42
Note	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
	7613.0	36.2	11.8	48.0	74.0	-26.0	Peak	Horizontal
	8157.0	37.2	12.3	49.5	74.0	-24.5	Peak	Horizontal
*	8692.5	35.2	13.0	48.2	68.2	-20.0	Peak	Horizontal
*	9755.0	36.7	14.5	51.2	68.2	-17.0	Peak	Horizontal
	7681.0	38.0	11.9	49.9	74.0	-24.1	Peak	Vertical
	8182.5	36.0	12.3	48.3	74.0	-25.7	Peak	Vertical
*	8692.5	35.0	13.0	48.0	68.2	-20.2	Peak	Vertical
*	9857.0	36.4	14.8	51.2	68.2	-17.0	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT80 (Beam-Forming Mode)	Test Channel	58
Note	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
	7681.0	36.6	11.9	48.5	74.0	-25.5	Peak	Horizontal
	8199.5	35.6	12.3	47.9	74.0	-26.1	Peak	Horizontal
*	8905.0	35.1	13.5	48.6	68.2	-19.6	Peak	Horizontal
*	9755.0	36.0	14.5	50.5	68.2	-17.7	Peak	Horizontal
	7502.5	35.0	11.7	46.7	74.0	-27.3	Peak	Vertical
	8165.5	36.1	12.3	48.4	74.0	-25.6	Peak	Vertical
*	8777.5	35.3	13.2	48.5	68.2	-19.7	Peak	Vertical
*	9874.0	36.1	14.8	50.9	68.2	-17.3	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT80 (Beam-Forming Mode)	Test Channel	106
Note	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
	7434.5	35.2	11.6	46.8	74.0	-27.2	Peak	Horizontal
	8225.0	35.9	12.3	48.2	74.0	-25.8	Peak	Horizontal
*	8735.0	36.1	13.1	49.2	68.2	-19.0	Peak	Horizontal
*	9865.5	36.6	14.8	51.4	68.2	-16.8	Peak	Horizontal
	7681.0	36.4	11.9	48.3	74.0	-25.7	Peak	Vertical
	8276.0	35.9	12.4	48.3	74.0	-25.7	Peak	Vertical
*	8803.0	35.3	13.3	48.6	68.2	-19.6	Peak	Vertical
*	10061.0	35.3	15.5	50.8	68.2	-17.4	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT80 (Beam-Forming Mode)	Test Channel	122
Note	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
	7468.5	35.9	11.6	47.5	74.0	-26.5	Peak	Horizontal
	8480.0	35.3	12.4	47.7	74.0	-26.3	Peak	Horizontal
*	8862.5	36.2	13.4	49.6	68.2	-18.6	Peak	Horizontal
*	9772.0	35.7	14.5	50.2	68.2	-18.0	Peak	Horizontal
	7681.0	37.5	11.9	49.4	74.0	-24.6	Peak	Vertical
	8089.0	36.7	12.3	49.0	74.0	-25.0	Peak	Vertical
*	8760.5	36.1	13.1	49.2	68.2	-19.0	Peak	Vertical
*	9755.0	36.9	14.5	51.4	68.2	-16.8	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT80 (Beam-Forming Mode)	Test Channel	134
Note	3. Average measurement was not performed if peak level lower than average limit. 4. 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
	7545.0	34.6	11.8	46.4	74.0	-27.6	Peak	Horizontal
	8199.5	35.3	12.3	47.6	74.0	-26.4	Peak	Horizontal
*	8811.5	34.7	13.3	48.0	68.2	-20.2	Peak	Horizontal
*	10282.0	34.9	16.2	51.1	68.2	-17.1	Peak	Horizontal
	7681.0	37.7	11.9	49.6	74.0	-24.4	Peak	Vertical
	8463.0	36.0	12.4	48.4	74.0	-25.6	Peak	Vertical
*	8828.5	35.0	13.3	48.3	68.2	-19.9	Peak	Vertical
*	9865.5	36.0	14.8	50.8	68.2	-17.4	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT80 (Beam-Forming Mode)	Test Channel	155
Note	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
	7579.0	37.0	11.8	48.8	74.0	-25.2	Peak	Horizontal
	8488.5	36.5	12.5	49.0	74.0	-25.0	Peak	Horizontal
*	8828.5	36.0	13.3	49.3	68.2	-18.9	Peak	Horizontal
*	9814.5	36.3	14.7	51.0	68.2	-17.2	Peak	Horizontal
	7451.5	35.7	11.6	47.3	74.0	-26.7	Peak	Vertical
	8148.5	36.0	12.3	48.3	74.0	-25.7	Peak	Vertical
*	8701.0	35.0	13.0	48.0	68.2	-20.2	Peak	Vertical
*	9772.0	36.0	14.5	50.5	68.2	-17.7	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT160 (Beam-Forming Mode)	Test Channel	50
Note	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
	7536.5	34.2	11.8	46.0	74.0	-28.0	Peak	Horizontal
	8276.0	35.3	12.4	47.7	74.0	-26.3	Peak	Horizontal
*	8803.0	35.6	13.3	48.9	68.2	-19.3	Peak	Horizontal
*	10163.0	35.5	15.8	51.3	68.2	-16.9	Peak	Horizontal
	7613.0	36.2	11.8	48.0	74.0	-26.0	Peak	Vertical
	8216.5	35.3	12.3	47.6	74.0	-26.4	Peak	Vertical
*	8854.0	35.5	13.4	48.9	68.2	-19.3	Peak	Vertical
*	10103.5	35.4	15.6	51.0	68.2	-17.2	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ac-VHT160 (Beam-Forming Mode)	Test Channel	114
Note	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
	7366.5	35.7	11.4	47.1	74.0	-26.9	Peak	Horizontal
	8165.5	34.4	12.3	46.7	74.0	-27.3	Peak	Horizontal
*	8735.0	35.4	13.1	48.5	68.2	-19.7	Peak	Horizontal
*	9840.0	36.1	14.7	50.8	68.2	-17.4	Peak	Horizontal
	7570.5	36.0	11.8	47.8	74.0	-26.2	Peak	Vertical
	8471.5	35.7	12.4	48.1	74.0	-25.9	Peak	Vertical
*	8769.0	34.7	13.2	47.9	68.2	-20.3	Peak	Vertical
*	9738.0	35.9	14.4	50.3	68.2	-17.9	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE20 (Beam-Forming Mode)	Test Channel	36
Note	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
	7443.0	35.5	11.6	47.1	74.0	-26.9	Peak	Horizontal
	8216.5	35.8	12.3	48.1	74.0	-25.9	Peak	Horizontal
*	8871.0	35.3	13.4	48.7	68.2	-19.5	Peak	Horizontal
*	10112.0	35.7	15.6	51.3	68.2	-16.9	Peak	Horizontal
	7681.0	37.3	11.9	49.2	74.0	-24.8	Peak	Vertical
	8488.5	36.8	12.5	49.3	74.0	-24.7	Peak	Vertical
*	8862.5	34.8	13.4	48.2	68.2	-20.0	Peak	Vertical
*	9780.5	37.4	14.5	51.9	68.2	-16.3	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE20 (Beam-Forming Mode)	Test Channel	44
Note	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
	7723.5	35.9	11.9	47.8	74.0	-26.2	Peak	Horizontal
	8182.5	36.5	12.3	48.8	74.0	-25.2	Peak	Horizontal
*	8718.0	35.7	13.0	48.7	68.2	-19.5	Peak	Horizontal
*	10103.5	35.5	15.6	51.1	68.2	-17.1	Peak	Horizontal
	7681.0	37.0	11.9	48.9	74.0	-25.1	Peak	Vertical
	8157.0	36.3	12.3	48.6	74.0	-25.4	Peak	Vertical
*	8811.5	36.3	13.3	49.6	68.2	-18.6	Peak	Vertical
*	9772.0	35.5	14.5	50.0	68.2	-18.2	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE20 (Beam-Forming Mode)	Test Channel	48
Note	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
	7587.5	35.8	11.8	47.6	74.0	-26.4	Peak	Horizontal
	8165.5	36.5	12.3	48.8	74.0	-25.2	Peak	Horizontal
*	8769.0	36.2	13.2	49.4	68.2	-18.8	Peak	Horizontal
*	10222.5	35.9	16.0	51.9	68.2	-16.3	Peak	Horizontal
	7681.0	38.3	11.9	50.2	74.0	-23.8	Peak	Vertical
	8352.5	36.2	12.4	48.6	74.0	-25.4	Peak	Vertical
*	8794.5	35.8	13.2	49.0	68.2	-19.2	Peak	Vertical
*	9908.0	36.7	15.0	51.7	68.2	-16.5	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE20 (Beam-Forming Mode)	Test Channel	52
Note	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
	7536.5	35.4	11.8	47.2	74.0	-26.8	Peak	Horizontal
	8412.0	35.7	12.4	48.1	74.0	-25.9	Peak	Horizontal
*	8769.0	35.3	13.2	48.5	68.2	-19.7	Peak	Horizontal
*	9874.0	36.1	14.8	50.9	68.2	-17.3	Peak	Horizontal
	7383.5	37.3	11.5	48.8	74.0	-25.2	Peak	Vertical
	8259.0	36.0	12.3	48.3	74.0	-25.7	Peak	Vertical
*	8854.0	34.9	13.4	48.3	68.2	-19.9	Peak	Vertical
*	9772.0	36.6	14.5	51.1	68.2	-17.1	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE20 (Beam-Forming Mode)	Test Channel	60
Note	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
	7451.5	36.0	11.6	47.6	74.0	-26.4	Peak	Horizontal
	8378.0	35.4	12.4	47.8	74.0	-26.2	Peak	Horizontal
*	8786.0	36.3	13.2	49.5	68.2	-18.7	Peak	Horizontal
*	9950.5	36.6	15.1	51.7	68.2	-16.5	Peak	Horizontal
	7681.0	36.4	11.9	48.3	74.0	-25.7	Peak	Vertical
	8335.5	36.3	12.4	48.7	74.0	-25.3	Peak	Vertical
*	8947.5	35.8	13.6	49.4	68.2	-18.8	Peak	Vertical
*	10112.0	36.0	15.6	51.6	68.2	-16.6	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE20 (Beam-Forming Mode)	Test Channel	64
Note	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
	7502.5	34.7	11.7	46.4	74.0	-27.6	Peak	Horizontal
	8310.0	35.7	12.4	48.1	74.0	-25.9	Peak	Horizontal
*	8760.5	35.4	13.1	48.5	68.2	-19.7	Peak	Horizontal
*	9780.5	36.9	14.5	51.4	68.2	-16.8	Peak	Horizontal
	7681.0	35.3	11.9	47.2	74.0	-26.8	Peak	Vertical
	8454.5	35.2	12.4	47.6	74.0	-26.4	Peak	Vertical
*	8896.5	34.4	13.5	47.9	68.2	-20.3	Peak	Vertical
*	10069.5	35.6	15.5	51.1	68.2	-17.1	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE20 (Beam-Forming Mode)	Test Channel	100
Note	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
	7579.0	36.2	11.8	48.0	74.0	-26.0	Peak	Horizontal
	8420.5	36.3	12.4	48.7	74.0	-25.3	Peak	Horizontal
*	8896.5	35.4	13.5	48.9	68.2	-19.3	Peak	Horizontal
*	10367.0	35.4	16.4	51.8	68.2	-16.4	Peak	Horizontal
	7681.0	37.3	11.9	49.2	74.0	-24.8	Peak	Vertical
	8208.0	35.8	12.3	48.1	74.0	-25.9	Peak	Vertical
*	8922.0	34.9	13.6	48.5	68.2	-19.7	Peak	Vertical
*	10044.0	36.0	15.4	51.4	68.2	-16.8	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE20 (Beam-Forming Mode)	Test Channel	120
Note	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
	7511.0	34.4	11.7	46.1	74.0	-27.9	Peak	Horizontal
	8480.0	35.5	12.4	47.9	74.0	-26.1	Peak	Horizontal
*	8828.5	34.4	13.3	47.7	68.2	-20.5	Peak	Horizontal
*	10188.5	34.6	15.9	50.5	68.2	-17.7	Peak	Horizontal
	7681.0	37.9	11.9	49.8	74.0	-24.2	Peak	Vertical
	8293.0	34.6	12.4	47.0	74.0	-27.0	Peak	Vertical
*	8701.0	34.7	13.0	47.7	68.2	-20.5	Peak	Vertical
*	9729.5	36.7	14.4	51.1	68.2	-17.1	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE20 (Beam-Forming Mode)	Test Channel	140
Note	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
	7579.0	36.8	11.8	48.6	74.0	-25.4	Peak	Horizontal
	8471.5	35.5	12.4	47.9	74.0	-26.1	Peak	Horizontal
*	8811.5	35.2	13.3	48.5	68.2	-19.7	Peak	Horizontal
*	9670.0	37.8	14.2	52.0	68.2	-16.2	Peak	Horizontal
	7630.0	35.8	11.8	47.6	74.0	-26.4	Peak	Vertical
	8174.0	35.9	12.3	48.2	74.0	-25.8	Peak	Vertical
*	8726.5	37.1	13.1	50.2	68.2	-18.0	Peak	Vertical
*	9882.5	36.5	14.9	51.4	68.2	-16.8	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE20 (Beam-Forming Mode)	Test Channel	144
Note	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
	7579.0	36.0	11.8	47.8	74.0	-26.2	Peak	Horizontal
	8386.5	35.5	12.4	47.9	74.0	-26.1	Peak	Horizontal
*	8786.0	37.2	13.2	50.4	68.2	-17.8	Peak	Horizontal
*	9950.5	36.0	15.1	51.1	68.2	-17.1	Peak	Horizontal
	7621.5	36.7	11.8	48.5	74.0	-25.5	Peak	Vertical
	8386.5	36.0	12.4	48.4	74.0	-25.6	Peak	Vertical
*	8820.0	35.2	13.3	48.5	68.2	-19.7	Peak	Vertical
*	9755.0	37.6	14.5	52.1	68.2	-16.1	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE20 (Beam-Forming Mode)	Test Channel	149
Note	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
	7477.0	36.3	11.7	48.0	74.0	-26.0	Peak	Horizontal
	8267.5	35.9	12.4	48.3	74.0	-25.7	Peak	Horizontal
*	8820.0	35.3	13.3	48.6	68.2	-19.6	Peak	Horizontal
*	9755.0	36.4	14.5	50.9	68.2	-17.3	Peak	Horizontal
	7477.0	35.7	11.7	47.4	74.0	-26.6	Peak	Vertical
	8182.5	36.6	12.3	48.9	74.0	-25.1	Peak	Vertical
*	8769.0	36.0	13.2	49.2	68.2	-19.0	Peak	Vertical
*	9874.0	36.7	14.8	51.5	68.2	-16.7	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE20 (Beam-Forming Mode)	Test Channel	157
Note	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
	7630.0	35.5	11.8	47.3	74.0	-26.7	Peak	Horizontal
	8174.0	35.2	12.3	47.5	74.0	-26.5	Peak	Horizontal
*	8726.5	36.1	13.1	49.2	68.2	-19.0	Peak	Horizontal
*	9712.5	36.9	14.3	51.2	68.2	-17.0	Peak	Horizontal
	7630.0	36.5	11.8	48.3	74.0	-25.7	Peak	Vertical
	8386.5	35.3	12.4	47.7	74.0	-26.3	Peak	Vertical
*	8905.0	35.6	13.5	49.1	68.2	-19.1	Peak	Vertical
*	9891.0	36.1	14.9	51.0	68.2	-17.2	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE20 (Beam-Forming Mode)	Test Channel	165
Note	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
	7638.5	37.5	11.9	49.4	74.0	-24.6	Peak	Horizontal
	8106.0	37.4	12.3	49.7	74.0	-24.3	Peak	Horizontal
*	8837.0	36.5	13.3	49.8	68.2	-18.4	Peak	Horizontal
*	9806.0	36.3	14.6	50.9	68.2	-17.3	Peak	Horizontal
	7681.0	35.9	11.9	47.8	74.0	-26.2	Peak	Vertical
	8225.0	35.9	12.3	48.2	74.0	-25.8	Peak	Vertical
*	8820.0	35.3	13.3	48.6	68.2	-19.6	Peak	Vertical
*	9916.5	36.1	15.0	51.1	68.2	-17.1	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE40 (Beam-Forming Mode)	Test Channel	38
Note	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
	7528.0	35.8	11.7	47.5	74.0	-26.5	Peak	Horizontal
	8301.5	35.9	12.4	48.3	74.0	-25.7	Peak	Horizontal
*	8837.0	35.4	13.3	48.7	68.2	-19.5	Peak	Horizontal
*	9797.5	35.8	14.6	50.4	68.2	-17.8	Peak	Horizontal
	7545.0	33.7	11.8	45.5	74.0	-28.5	Peak	Vertical
	8199.5	36.2	12.3	48.5	74.0	-25.5	Peak	Vertical
*	8854.0	35.2	13.4	48.6	68.2	-19.6	Peak	Vertical
*	9780.5	36.3	14.5	50.8	68.2	-17.4	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE40 (Beam-Forming Mode)	Test Channel	46
Note	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
	7579.0	35.9	11.8	47.7	74.0	-26.3	Peak	Horizontal
	8488.5	36.0	12.5	48.5	74.0	-25.5	Peak	Horizontal
*	8854.0	34.6	13.4	48.0	68.2	-20.2	Peak	Horizontal
*	9874.0	36.4	14.8	51.2	68.2	-17.0	Peak	Horizontal
	7681.0	36.7	11.9	48.6	74.0	-25.4	Peak	Vertical
	8174.0	35.8	12.3	48.1	74.0	-25.9	Peak	Vertical
*	8760.5	34.8	13.1	47.9	68.2	-20.3	Peak	Vertical
*	9755.0	35.7	14.5	50.2	68.2	-18.0	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE40 (Beam-Forming Mode)	Test Channel	54
Note	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
	7681.0	37.7	11.9	49.6	74.0	-24.4	Peak	Horizontal
	8327.0	35.9	12.4	48.3	74.0	-25.7	Peak	Horizontal
*	8803.0	35.8	13.3	49.1	68.2	-19.1	Peak	Horizontal
*	9789.0	36.3	14.6	50.9	68.2	-17.3	Peak	Horizontal
	7672.5	36.8	11.9	48.7	74.0	-25.3	Peak	Vertical
	8463.0	35.6	12.4	48.0	74.0	-26.0	Peak	Vertical
*	8777.5	35.3	13.2	48.5	68.2	-19.7	Peak	Vertical
*	9848.5	36.6	14.8	51.4	68.2	-16.8	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE40 (Beam-Forming Mode)	Test Channel	62
Note	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
	7536.5	34.3	11.8	46.1	74.0	-27.9	Peak	Horizontal
	8208.0	35.1	12.3	47.4	74.0	-26.6	Peak	Horizontal
*	8930.5	35.1	13.6	48.7	68.2	-19.5	Peak	Horizontal
*	9933.5	35.9	15.0	50.9	68.2	-17.3	Peak	Horizontal
	7596.0	34.5	11.8	46.3	74.0	-27.7	Peak	Vertical
	8216.5	36.5	12.3	48.8	74.0	-25.2	Peak	Vertical
*	8684.0	35.0	12.9	47.9	68.2	-20.3	Peak	Vertical
*	9763.5	36.1	14.5	50.6	68.2	-17.6	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE40 (Beam-Forming Mode)	Test Channel	102
Note	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
	7689.5	36.7	11.9	48.6	74.0	-25.4	Peak	Horizontal
	8369.5	37.2	12.4	49.6	74.0	-24.4	Peak	Horizontal
*	8871.0	36.5	13.4	49.9	68.2	-18.3	Peak	Horizontal
*	9840.0	37.4	14.7	52.1	68.2	-16.1	Peak	Horizontal
	7596.0	35.5	11.8	47.3	74.0	-26.7	Peak	Vertical
	8165.5	36.6	12.3	48.9	74.0	-25.1	Peak	Vertical
*	8701.0	36.4	13.0	49.4	68.2	-18.8	Peak	Vertical
*	9806.0	36.5	14.6	51.1	68.2	-17.1	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE40 (Beam-Forming Mode)	Test Channel	118
Note	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
	7723.5	37.1	11.9	49.0	74.0	-25.0	Peak	Horizontal
	8140.0	36.2	12.3	48.5	74.0	-25.5	Peak	Horizontal
*	8913.5	35.8	13.6	49.4	68.2	-18.8	Peak	Horizontal
*	9729.5	35.8	14.4	50.2	68.2	-18.0	Peak	Horizontal
	7664.0	37.6	11.9	49.5	74.0	-24.5	Peak	Vertical
	8165.5	35.8	12.3	48.1	74.0	-25.9	Peak	Vertical
*	8845.5	34.6	13.4	48.0	68.2	-20.2	Peak	Vertical
*	9636.0	36.9	14.1	51.0	68.2	-17.2	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE40 (Beam-Forming Mode)	Test Channel	134
Note	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
	7485.5	35.7	11.7	47.4	74.0	-26.6	Peak	Horizontal
	8106.0	36.5	12.3	48.8	74.0	-25.2	Peak	Horizontal
*	8854.0	35.4	13.4	48.8	68.2	-19.4	Peak	Horizontal
*	10035.5	35.6	15.4	51.0	68.2	-17.2	Peak	Horizontal
	7681.0	36.9	11.9	48.8	74.0	-25.2	Peak	Vertical
	8429.0	35.6	12.4	48.0	74.0	-26.0	Peak	Vertical
*	8862.5	34.8	13.4	48.2	68.2	-20.0	Peak	Vertical
*	9746.5	36.0	14.4	50.4	68.2	-17.8	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE40 (Beam-Forming Mode)	Test Channel	142
Note	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
	7366.5	35.2	11.4	46.6	74.0	-27.4	Peak	Horizontal
	8310.0	34.0	12.4	46.4	74.0	-27.6	Peak	Horizontal
*	8888.0	34.1	13.5	47.6	68.2	-20.6	Peak	Horizontal
*	9721.0	35.5	14.3	49.8	68.2	-18.4	Peak	Horizontal
	7375.0	37.1	11.4	48.5	74.0	-25.5	Peak	Vertical
	8165.5	36.0	12.3	48.3	74.0	-25.7	Peak	Vertical
*	8862.5	35.0	13.4	48.4	68.2	-19.8	Peak	Vertical
*	9967.5	35.9	15.2	51.1	68.2	-17.1	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE40 (Beam-Forming Mode)	Test Channel	151
Note	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
	7417.5	36.0	11.5	47.5	74.0	-26.5	Peak	Horizontal
	8106.0	37.3	12.3	49.6	74.0	-24.4	Peak	Horizontal
*	8718.0	36.5	13.0	49.5	68.2	-18.7	Peak	Horizontal
*	9755.0	35.8	14.5	50.3	68.2	-17.9	Peak	Horizontal
	7638.5	35.2	11.9	47.1	74.0	-26.9	Peak	Vertical
	8267.5	35.2	12.4	47.6	74.0	-26.4	Peak	Vertical
*	8692.5	35.5	13.0	48.5	68.2	-19.7	Peak	Vertical
*	9593.5	37.2	13.9	51.1	68.2	-17.1	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE40 (Beam-Forming Mode)	Test Channel	159
Note	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
	7579.0	33.9	11.8	45.7	74.0	-28.3	Peak	Horizontal
	8242.0	35.3	12.3	47.6	74.0	-26.4	Peak	Horizontal
*	8845.5	35.5	13.4	48.9	68.2	-19.3	Peak	Horizontal
*	9874.0	35.7	14.8	50.5	68.2	-17.7	Peak	Horizontal
	7681.0	37.3	11.9	49.2	74.0	-24.8	Peak	Vertical
	8352.5	34.2	12.4	46.6	74.0	-27.4	Peak	Vertical
*	8939.0	34.8	13.6	48.4	68.2	-19.8	Peak	Vertical
*	10103.5	35.7	15.6	51.3	68.2	-16.9	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE80 (Beam-Forming Mode)	Test Channel	42
Note	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
	7698.0	35.4	11.9	47.3	74.0	-26.7	Peak	Horizontal
	8352.5	35.0	12.4	47.4	74.0	-26.6	Peak	Horizontal
*	8811.5	35.3	13.3	48.6	68.2	-19.6	Peak	Horizontal
*	9823.0	36.1	14.7	50.8	68.2	-17.4	Peak	Horizontal
	7681.0	37.9	11.9	49.8	74.0	-24.2	Peak	Vertical
	8378.0	36.7	12.4	49.1	74.0	-24.9	Peak	Vertical
*	8803.0	36.1	13.3	49.4	68.2	-18.8	Peak	Vertical
*	10061.0	35.9	15.5	51.4	68.2	-16.8	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE80 (Beam-Forming Mode)	Test Channel	58
Note	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
	7604.5	36.5	11.8	48.3	74.0	-25.7	Peak	Horizontal
	8301.5	35.1	12.4	47.5	74.0	-26.5	Peak	Horizontal
*	8752.0	35.1	13.1	48.2	68.2	-20.0	Peak	Horizontal
*	10163.0	35.6	15.8	51.4	68.2	-16.8	Peak	Horizontal
	7630.0	35.4	11.8	47.2	74.0	-26.8	Peak	Vertical
	8242.0	34.0	12.3	46.3	74.0	-27.7	Peak	Vertical
*	8701.0	35.4	13.0	48.4	68.2	-19.8	Peak	Vertical
*	10103.5	35.1	15.6	50.7	68.2	-17.5	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE80 (Beam-Forming Mode)	Test Channel	106
Note	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
	7545.0	34.3	11.8	46.1	74.0	-27.9	Peak	Horizontal
	8199.5	36.1	12.3	48.4	74.0	-25.6	Peak	Horizontal
*	8692.5	35.9	13.0	48.9	68.2	-19.3	Peak	Horizontal
*	9627.5	36.2	14.0	50.2	68.2	-18.0	Peak	Horizontal
	7502.5	34.2	11.7	45.9	74.0	-28.1	Peak	Vertical
	8429.0	35.4	12.4	47.8	74.0	-26.2	Peak	Vertical
*	8922.0	34.6	13.6	48.2	68.2	-20.0	Peak	Vertical
*	9831.5	35.8	14.7	50.5	68.2	-17.7	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE80 (Beam-Forming Mode)	Test Channel	122
Note	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
	7460.0	35.5	11.6	47.1	74.0	-26.9	Peak	Horizontal
	8199.5	36.4	12.3	48.7	74.0	-25.3	Peak	Horizontal
*	8939.0	36.5	13.6	50.1	68.2	-18.1	Peak	Horizontal
*	10290.5	34.9	16.2	51.1	68.2	-17.1	Peak	Horizontal
	7528.0	35.7	11.7	47.4	74.0	-26.6	Peak	Vertical
	8310.0	35.4	12.4	47.8	74.0	-26.2	Peak	Vertical
*	8828.5	35.4	13.3	48.7	68.2	-19.5	Peak	Vertical
*	9721.0	35.0	14.3	49.3	68.2	-18.9	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE80 (Beam-Forming Mode)	Test Channel	134
Note	3. Average measurement was not performed if peak level lower than average limit. 4. 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
	7604.5	34.8	11.8	46.6	74.0	-27.4	Peak	Horizontal
	8293.0	35.0	12.4	47.4	74.0	-26.6	Peak	Horizontal
*	8896.5	34.0	13.5	47.5	68.2	-20.7	Peak	Horizontal
*	10052.5	36.1	15.4	51.5	68.2	-16.7	Peak	Horizontal
	7366.5	35.9	11.4	47.3	74.0	-26.7	Peak	Vertical
	8165.5	36.0	12.3	48.3	74.0	-25.7	Peak	Vertical
*	8862.5	36.0	13.4	49.4	68.2	-18.8	Peak	Vertical
*	9993.0	36.1	15.2	51.3	68.2	-16.9	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE80 (Beam-Forming Mode)	Test Channel	155
Note	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
	7706.5	35.9	11.9	47.8	74.0	-26.2	Peak	Horizontal
	8225.0	33.9	12.3	46.2	74.0	-27.8	Peak	Horizontal
*	8854.0	34.8	13.4	48.2	68.2	-20.0	Peak	Horizontal
*	9942.0	35.8	15.1	50.9	68.2	-17.3	Peak	Horizontal
	7681.0	37.0	11.9	48.9	74.0	-25.1	Peak	Vertical
	8454.5	35.1	12.4	47.5	74.0	-26.5	Peak	Vertical
*	8811.5	33.8	13.3	47.1	68.2	-21.1	Peak	Vertical
*	10137.5	34.5	15.7	50.2	68.2	-18.0	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE160 (Beam-Forming Mode)	Test Channel	50
Note	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
	7613.0	34.2	11.8	46.0	74.0	-28.0	Peak	Horizontal
	8259.0	34.2	12.3	46.5	74.0	-27.5	Peak	Horizontal
*	8692.5	34.1	13.0	47.1	68.2	-21.1	Peak	Horizontal
*	10146.0	35.7	15.7	51.4	68.2	-16.8	Peak	Horizontal
	7562.0	32.8	11.8	44.6	74.0	-29.4	Peak	Vertical
	8310.0	34.2	12.4	46.6	74.0	-27.4	Peak	Vertical
*	8735.0	33.2	13.1	46.3	68.2	-21.9	Peak	Vertical
*	9780.5	34.9	14.5	49.4	68.2	-18.8	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	AX3000 Gigabit Wi-Fi 6 Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	52 %
Test Site	AC1	Test Date	2019/11/08
Test Mode	802.11ax-HE160 (Beam-Forming Mode)	Test Channel	114
Note	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
	7434.5	35.9	11.6	47.5	74.0	-26.5	Peak	Horizontal
	8199.5	35.5	12.3	47.8	74.0	-26.2	Peak	Horizontal
*	8735.0	34.9	13.1	48.0	68.2	-20.2	Peak	Horizontal
*	9678.5	35.7	14.2	49.9	68.2	-18.3	Peak	Horizontal
	7502.5	35.3	11.7	47.0	74.0	-27.0	Peak	Vertical
	8301.5	35.2	12.4	47.6	74.0	-26.4	Peak	Vertical
*	8684.0	34.4	12.9	47.3	68.2	-20.9	Peak	Vertical
*	9959.0	35.0	15.1	50.1	68.2	-18.1	Peak	Vertical

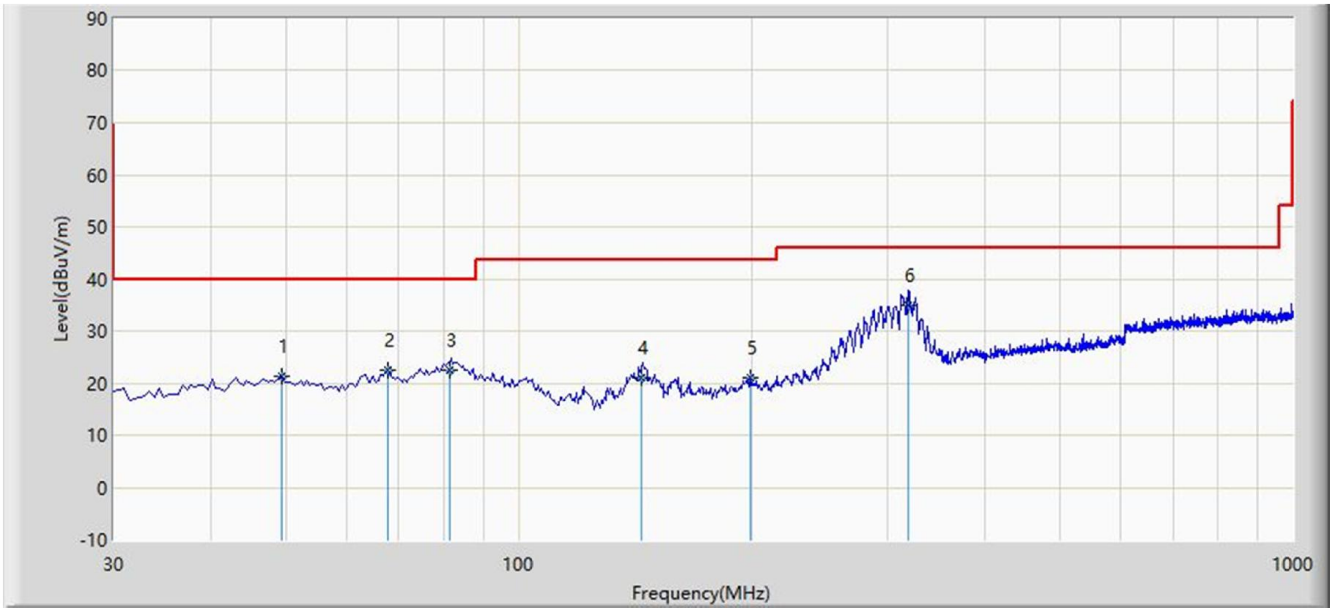
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The Worst Case of Radiated Emission below 1GHz:

Site: AC1	Time: 2019/12/16 - 17:45
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW VULB 9162 30MHz-8GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Worst Case Mode: There is the worst case within frequency range 30MHz~1GHz.	



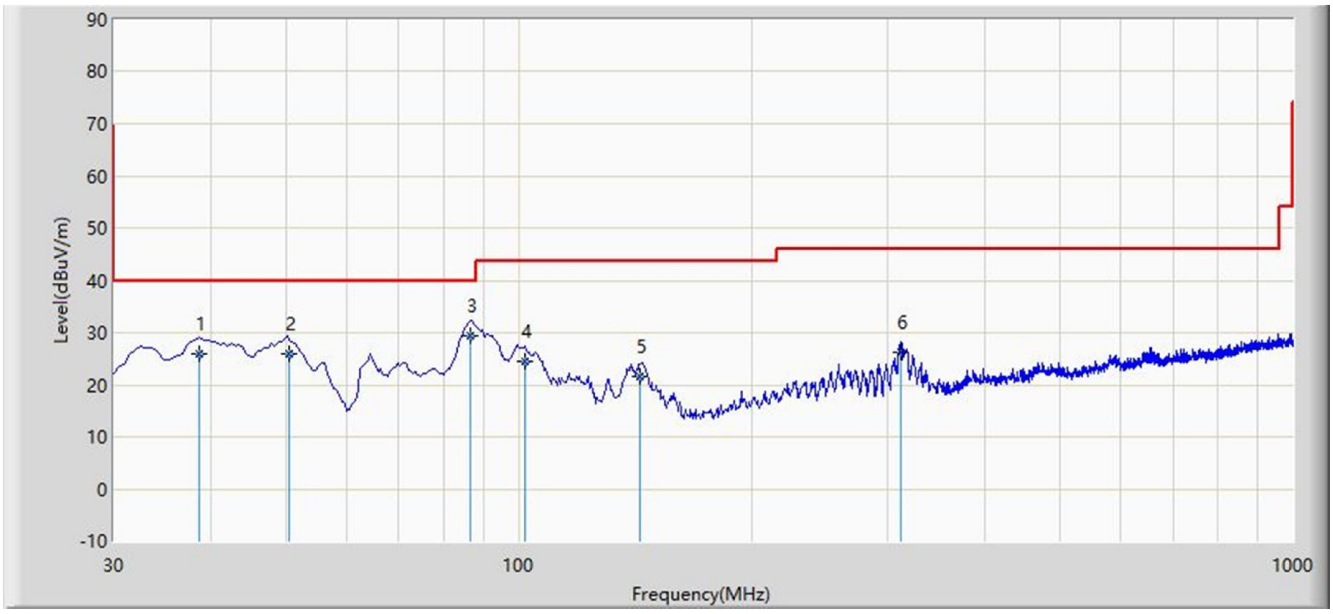
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			49.400	21.353	-0.260	-18.647	40.000	21.613	QP
2			67.830	22.492	5.229	-17.508	40.000	17.263	QP
3			81.626	22.543	8.030	-17.457	40.000	14.514	QP
4			144.296	21.138	5.560	-22.362	43.500	15.578	QP
5			199.265	21.057	2.124	-22.443	43.500	18.934	QP
6		*	318.626	34.816	12.660	-11.184	46.000	22.155	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: AC1	Time: 2019/12/16 - 17:45
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW VULB 9162 30MHz-8GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Worst Case Mode: There is the worst case within frequency range 30MHz~1GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			38.668	26.044	5.820	-13.956	40.000	20.224	QP
2			50.626	25.807	4.260	-14.193	40.000	21.547	QP
3		*	86.642	29.347	13.350	-10.653	40.000	15.997	QP
4			101.990	24.477	5.010	-19.023	43.500	19.467	QP
5			143.627	21.685	6.130	-21.815	43.500	15.555	QP
6			311.653	26.203	4.330	-19.797	46.000	21.872	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.

7.4. Radiated Restricted Band Edge Measurement

7.4.1.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 exceedan 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 increasinglinearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge

increasinglinearly 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 edgeincreasing linearly to a level of 27 dBm/MHz at the band edge.

Refer to KDB 789033 D02v02r01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR 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 6.6 (Standard test method above 1GHz)

7.4.3.Test Setting

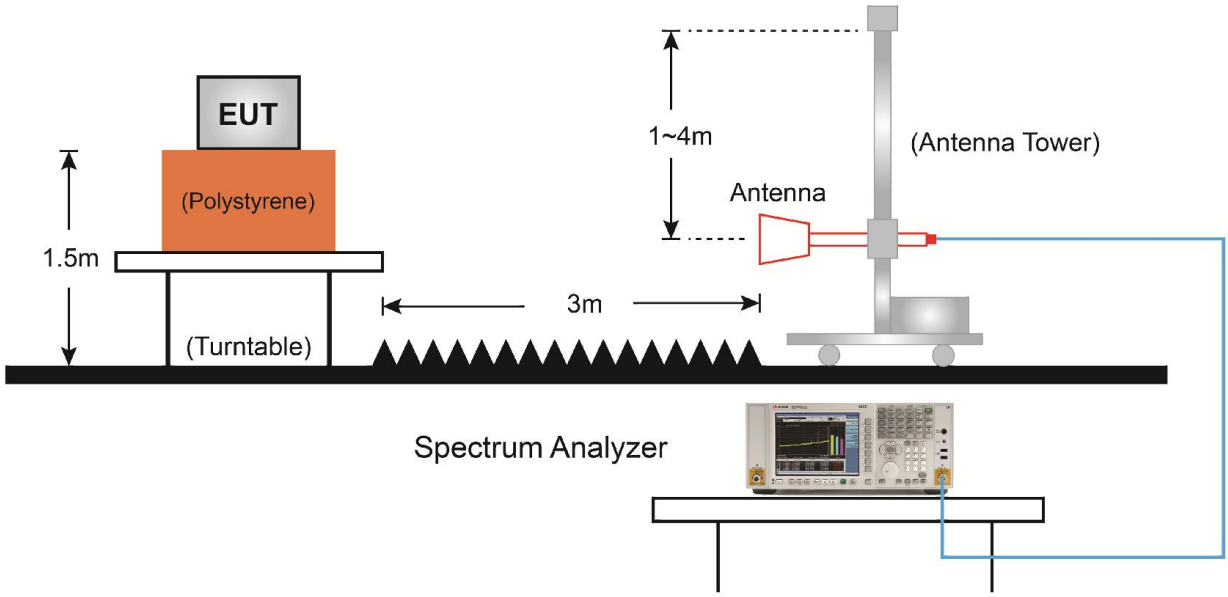
Peak Measurements above 1GHz

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 VB)

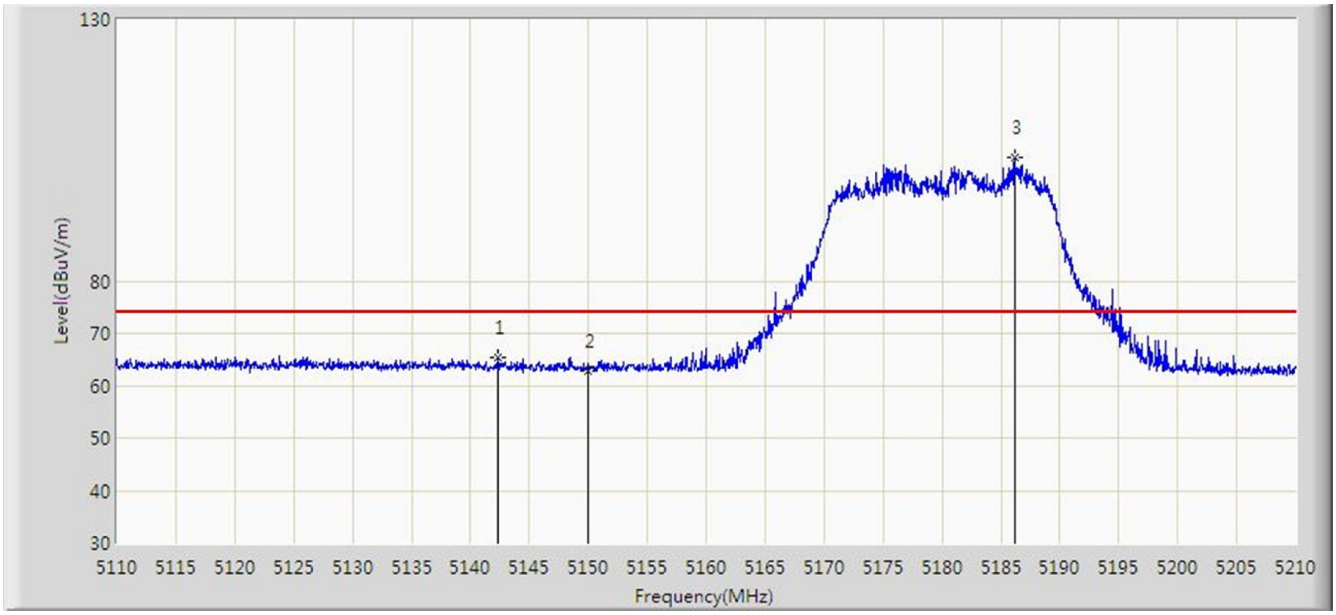
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBWIf the EUT is configured to transmit with duty cycle ≥ 98%, set VBW ≤ RBW/100 (i.e., 10 kHz) but not less than 10 Hz. If the EUT duty cycle is < 98%, set VBW ≥ 1/T.
4. Detector = Peak
5. Sweep time = auto
6. 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.

7.4.4.Test Setup



7.4.5.Test Result

Site: AC1	Time: 2019/10/30 - 20:23
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz (Beam-Forming Mode)	

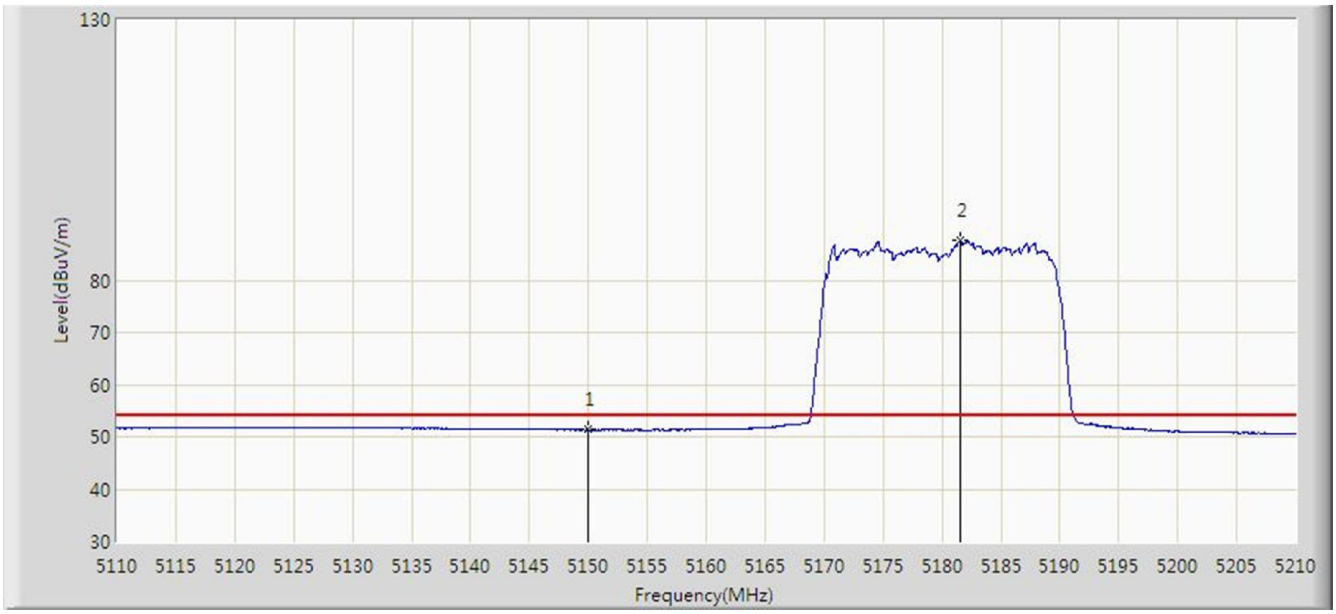


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.350	65.447	61.806	-8.553	74.000	3.641	PK
2			5150.000	62.858	59.212	-11.142	74.000	3.646	PK
3		*	5186.150	103.529	99.860	N/A	N/A	3.669	PK

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

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

Site: AC1	Time: 2019/10/30 - 20:25
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz (Beam-Forming Mode)	

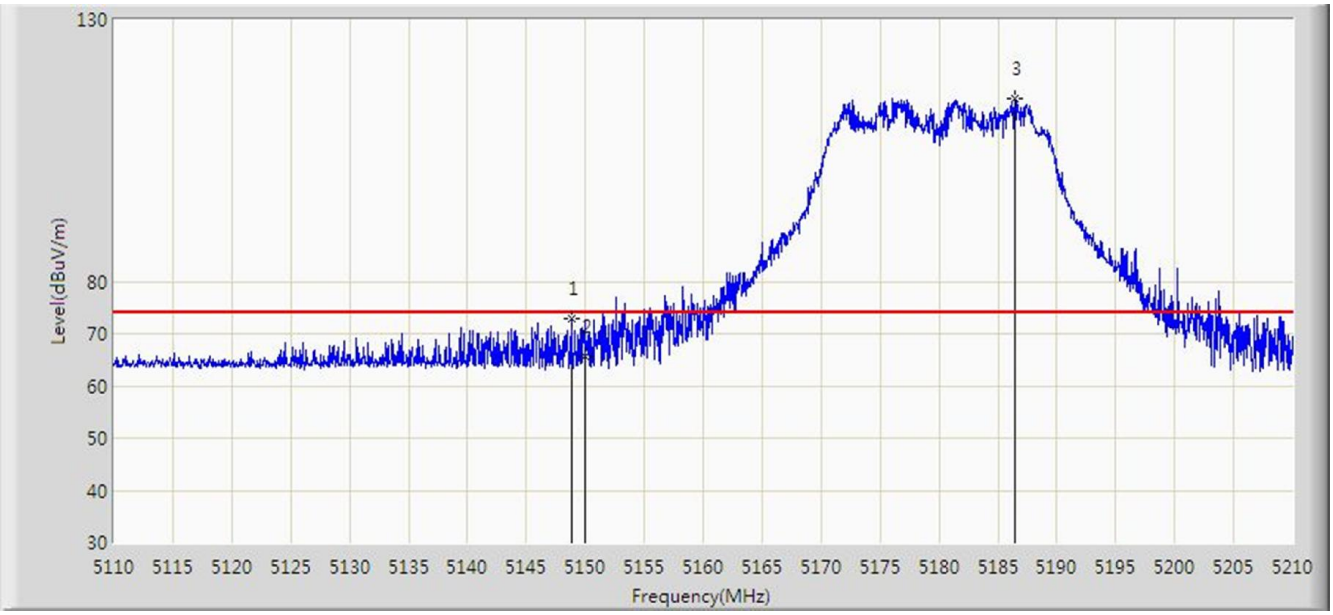


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.307	47.661	-2.693	54.000	3.646	AV
2		*	5181.550	87.625	83.959	N/A	N/A	3.666	AV

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

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

Site: AC1	Time: 2019/10/30 - 20:19
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz (Beam-Forming Mode)	

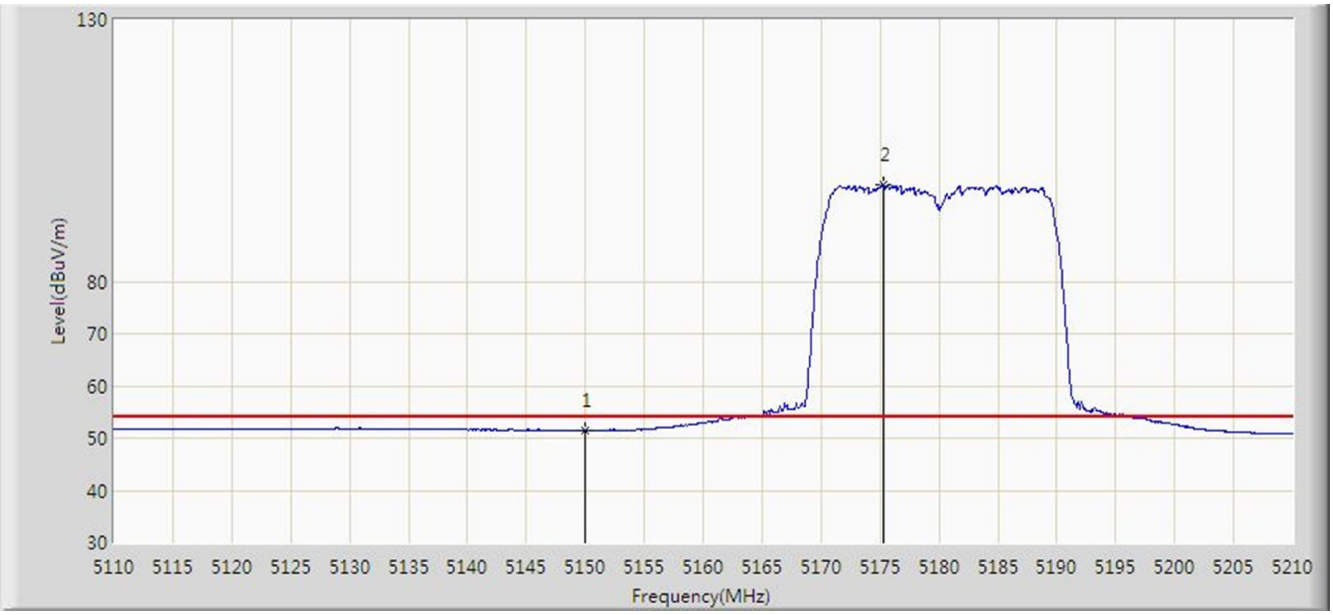


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.850	72.785	69.139	-1.215	74.000	3.645	PK
2			5150.000	65.788	62.142	-8.212	74.000	3.646	PK
3		*	5186.450	114.959	111.290	N/A	N/A	3.670	PK

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

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

Site: AC1	Time: 2019/10/30 - 20:22
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz (Beam-Forming Mode)	

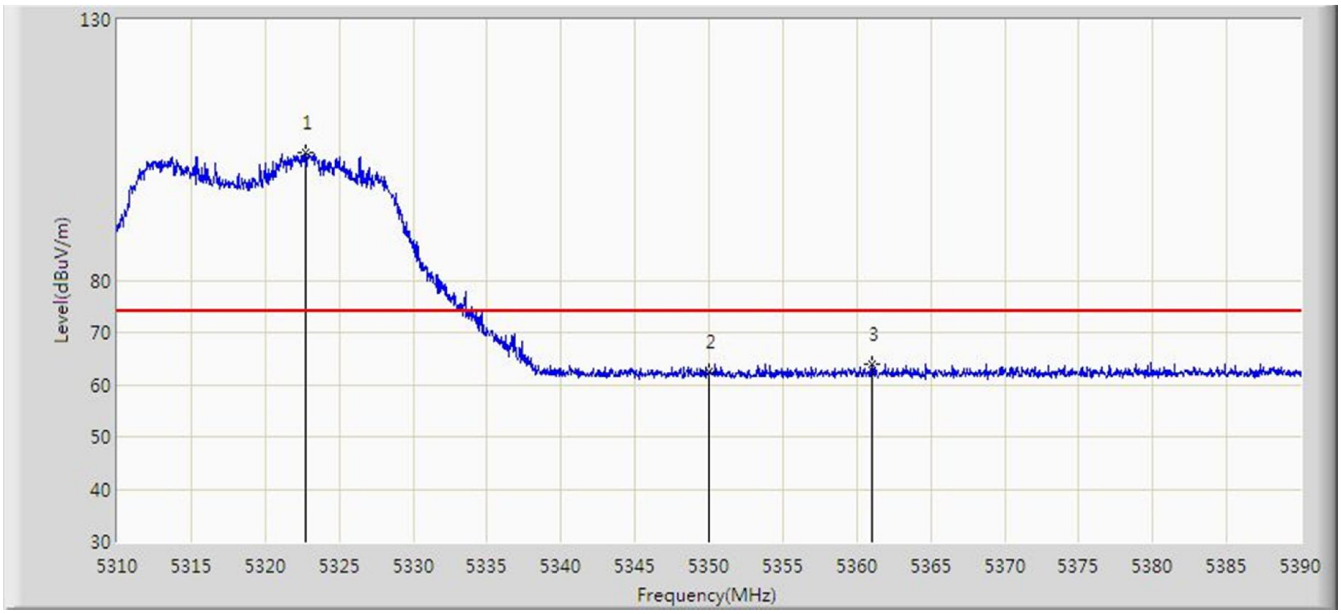


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.474	47.828	-2.526	54.000	3.646	AV
2		*	5175.250	98.343	94.681	N/A	N/A	3.662	AV

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

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

Site: AC1	Time: 2019/10/30 - 20:33
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5320MHz (Beam-Forming Mode)	

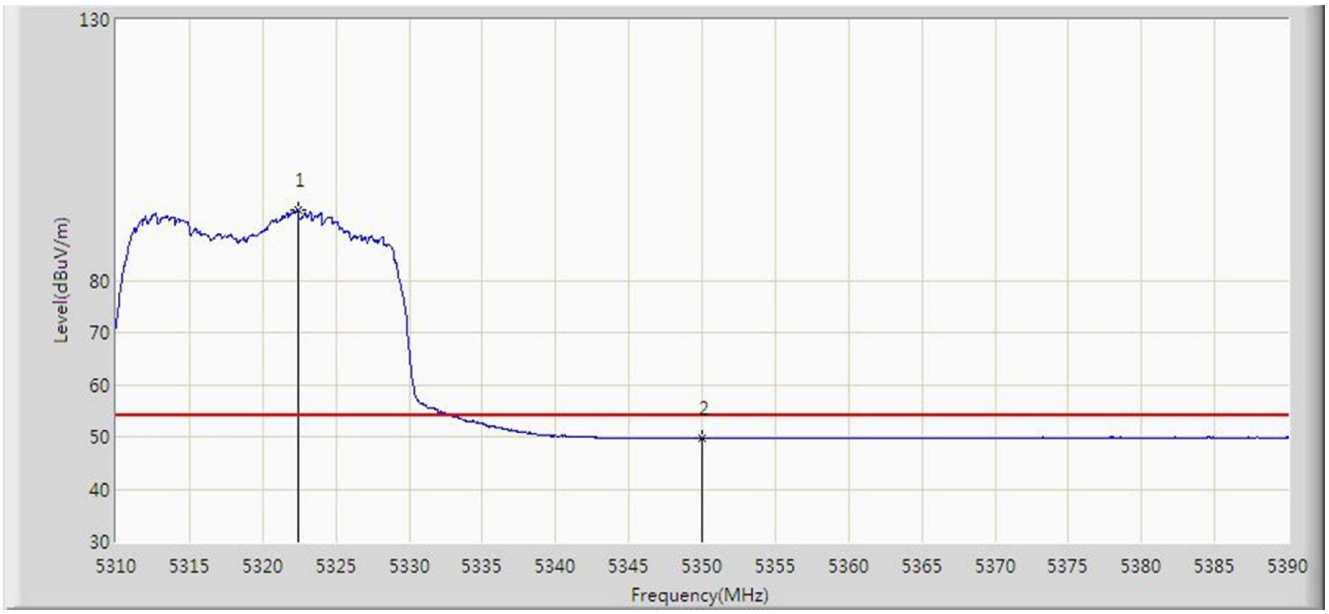


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.760	104.387	100.630	N/A	N/A	3.757	PK
2			5350.000	62.510	58.736	-11.490	74.000	3.774	PK
3			5361.000	63.839	60.058	-10.161	74.000	3.780	PK

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

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

Site: AC1	Time: 2019/10/30 - 20:35
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5320MHz (Beam-Forming Mode)	

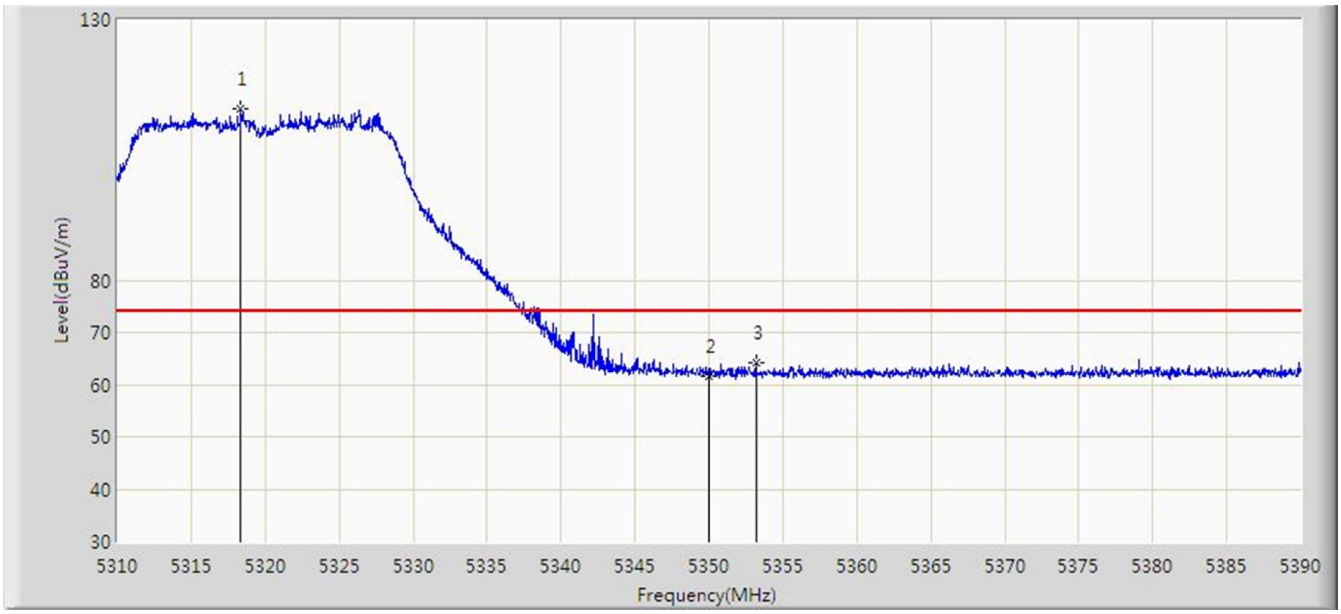


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.400	93.463	89.706	N/A	N/A	3.757	AV
2			5350.000	49.660	45.886	-4.340	54.000	3.774	AV

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

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

Site: AC1	Time: 2019/10/30 - 20:30
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5320MHz (Beam-Forming Mode)	

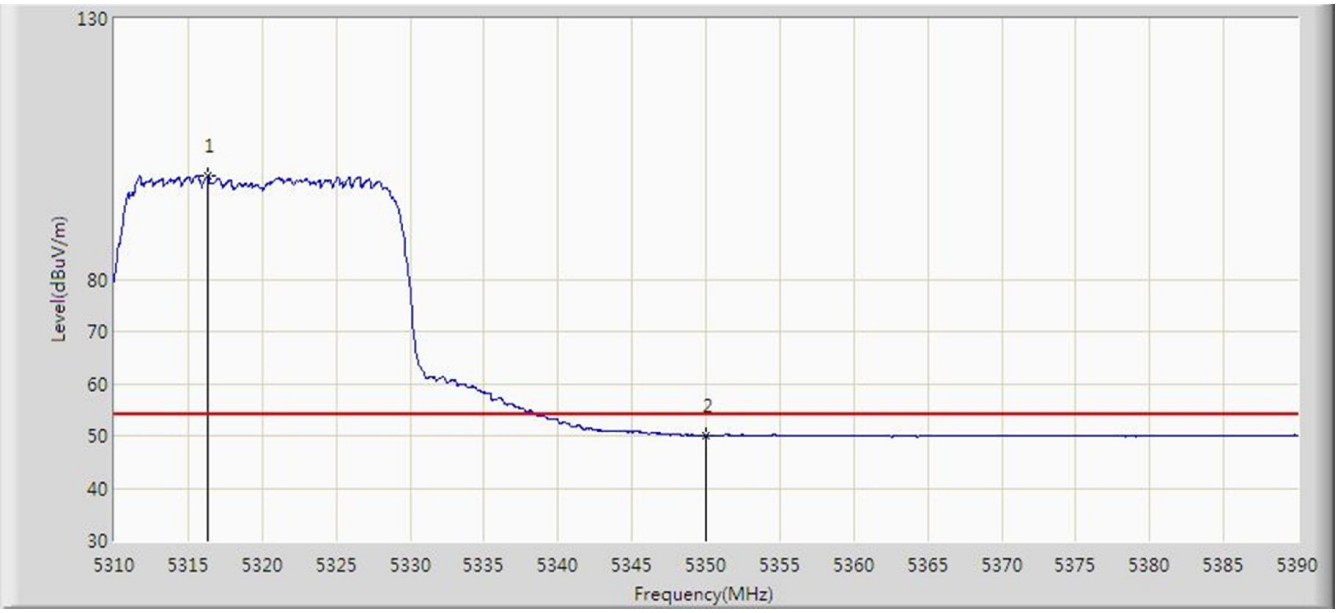


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5318.360	112.763	109.009	N/A	N/A	3.754	PK
2			5350.000	61.723	57.949	-12.277	74.000	3.774	PK
3			5353.160	64.064	60.288	-9.936	74.000	3.776	PK

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

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

Site: AC1	Time: 2019/10/30 - 20:32
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5320MHz (Beam-Forming Mode)	

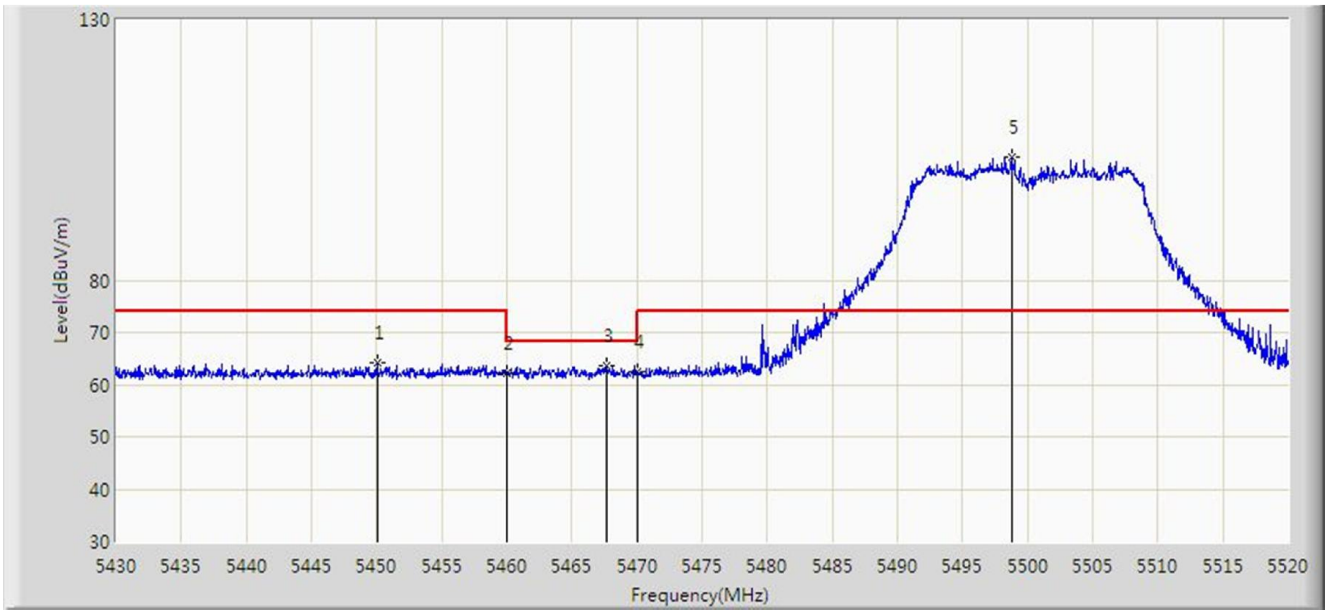


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5316.320	99.777	96.024	N/A	N/A	3.753	AV
2			5350.000	50.017	46.243	-3.983	54.000	3.774	AV

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

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

Site: AC1	Time: 2019/10/30 - 20:44
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5500MHz (Beam-Forming Mode)	

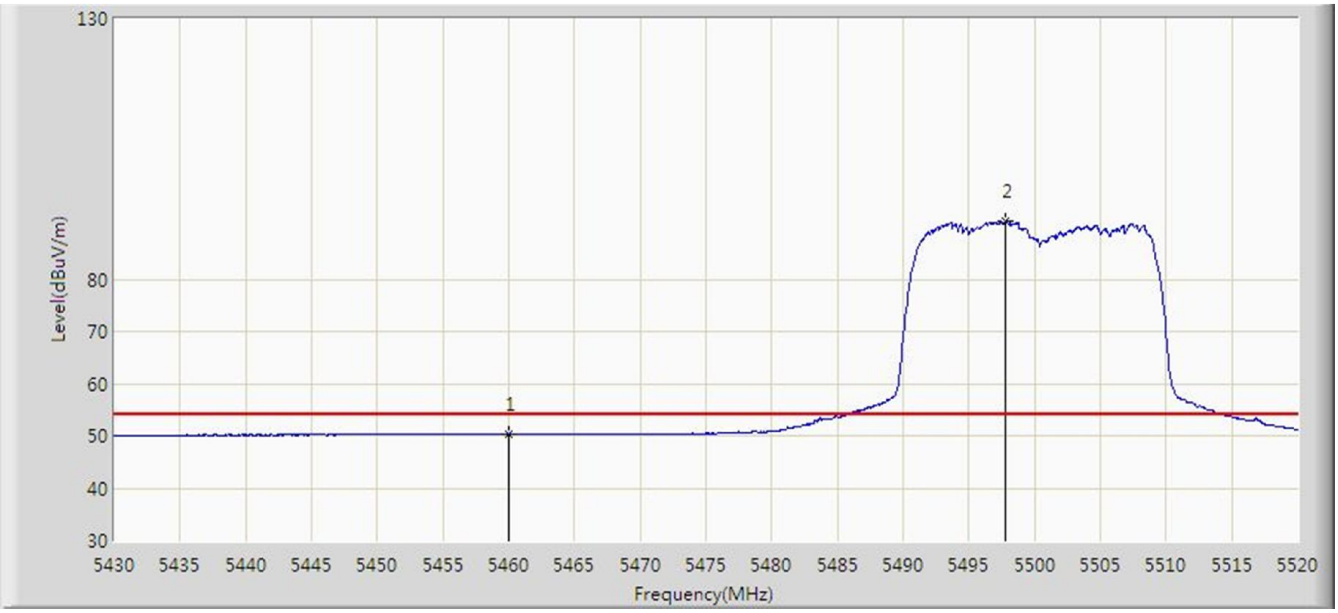


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5450.025	64.135	60.298	-9.865	74.000	3.838	PK
2			5460.000	62.276	58.432	-11.724	74.000	3.844	PK
3			5467.620	63.606	59.757	-4.594	68.200	3.849	PK
4			5470.000	62.418	58.567	-5.782	68.200	3.850	PK
5		*	5498.850	103.742	99.862	N/A	N/A	3.879	PK

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

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

Site: AC1	Time: 2019/10/30 - 20:45
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5500MHz (Beam-Forming Mode)	

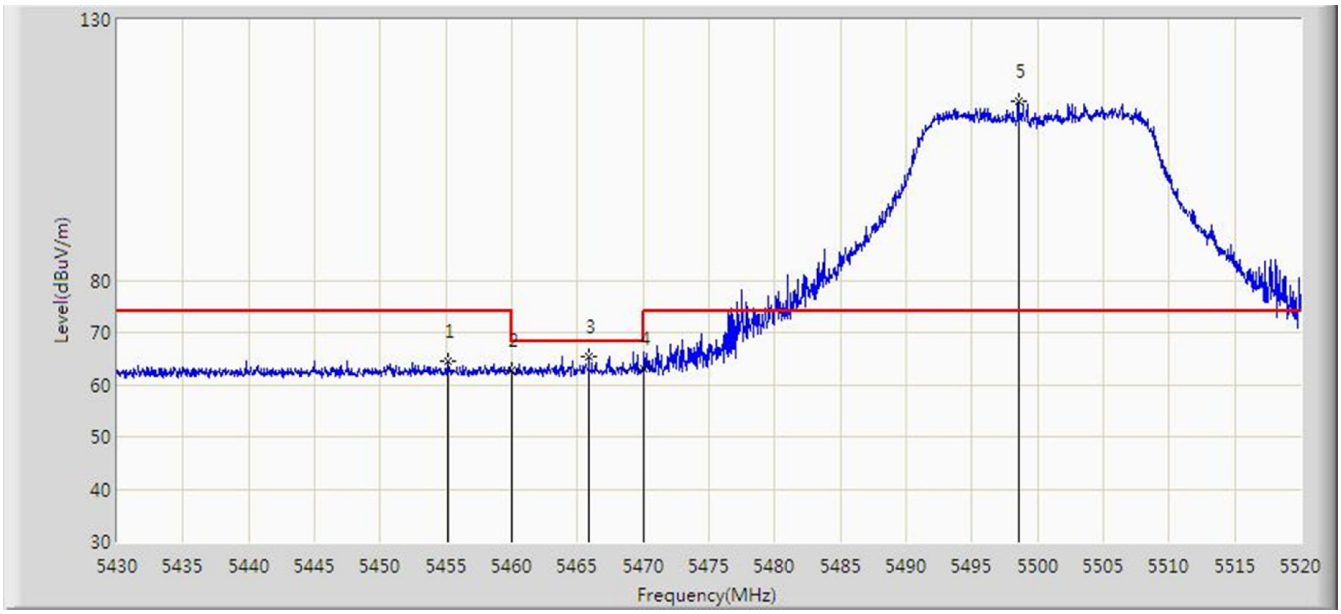


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.246	46.402	-3.754	54.000	3.844	AV
2		*	5497.770	91.027	87.149	N/A	N/A	3.877	AV

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

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

Site: AC1	Time: 2019/10/30 - 20:42
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5500MHz (Beam-Forming Mode)	

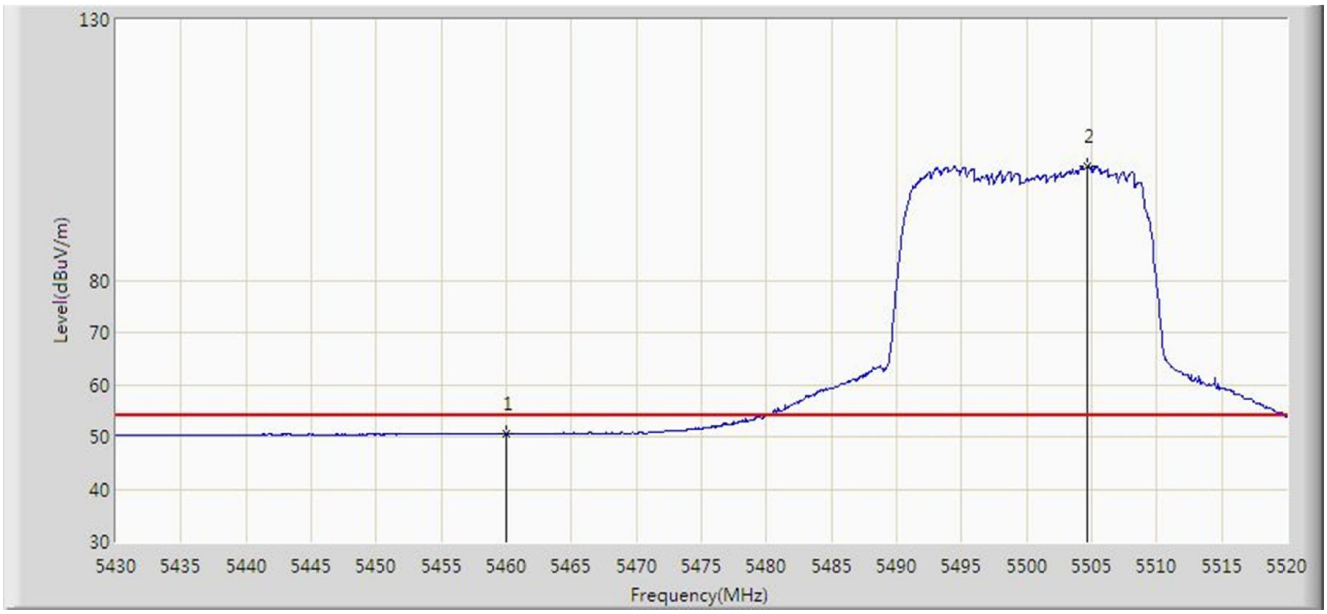


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5455.200	64.550	60.709	-9.450	74.000	3.841	PK
2			5460.000	62.610	58.766	-11.390	74.000	3.844	PK
3			5465.865	65.411	61.563	-2.789	68.200	3.848	PK
4			5470.000	63.079	59.228	-5.121	68.200	3.850	PK
5		*	5498.535	114.369	110.489	N/A	N/A	3.879	PK

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

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

Site: AC1	Time: 2019/10/30 - 20:43
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5500MHz (Beam-Forming Mode)	

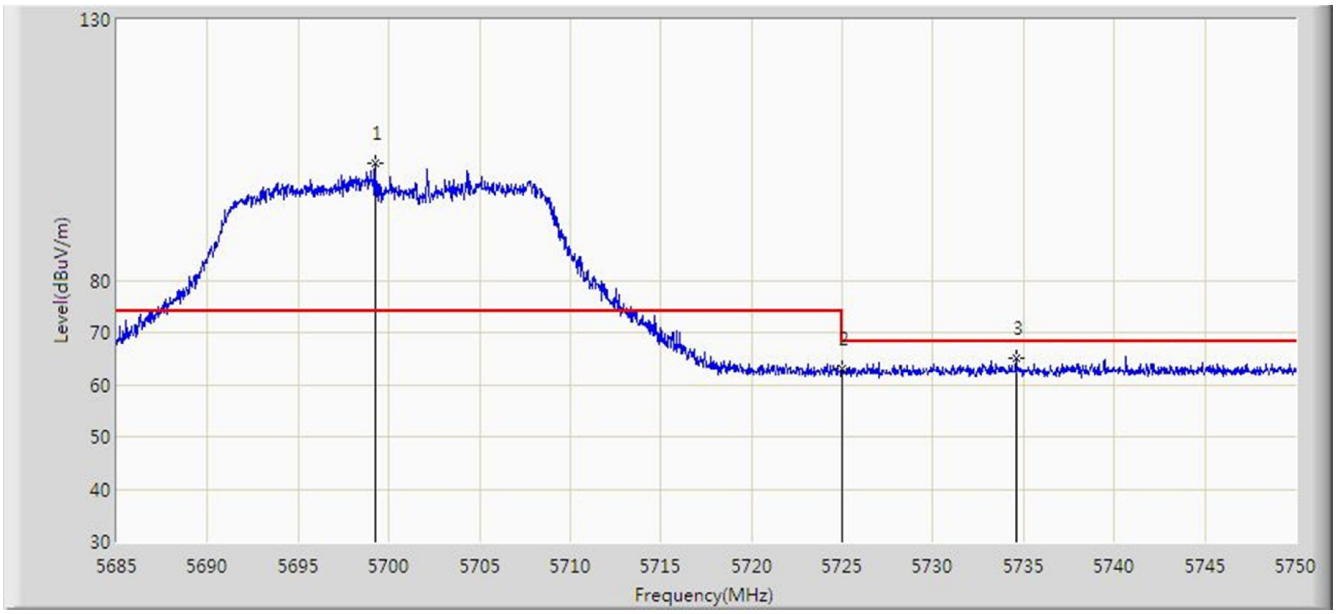


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.606	46.762	-3.394	54.000	3.844	AV
2		*	5504.700	101.921	98.032	N/A	N/A	3.889	AV

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

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

Site: AC1	Time: 2019/10/30 - 20:51
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5700MHz (Beam-Forming Mode)	

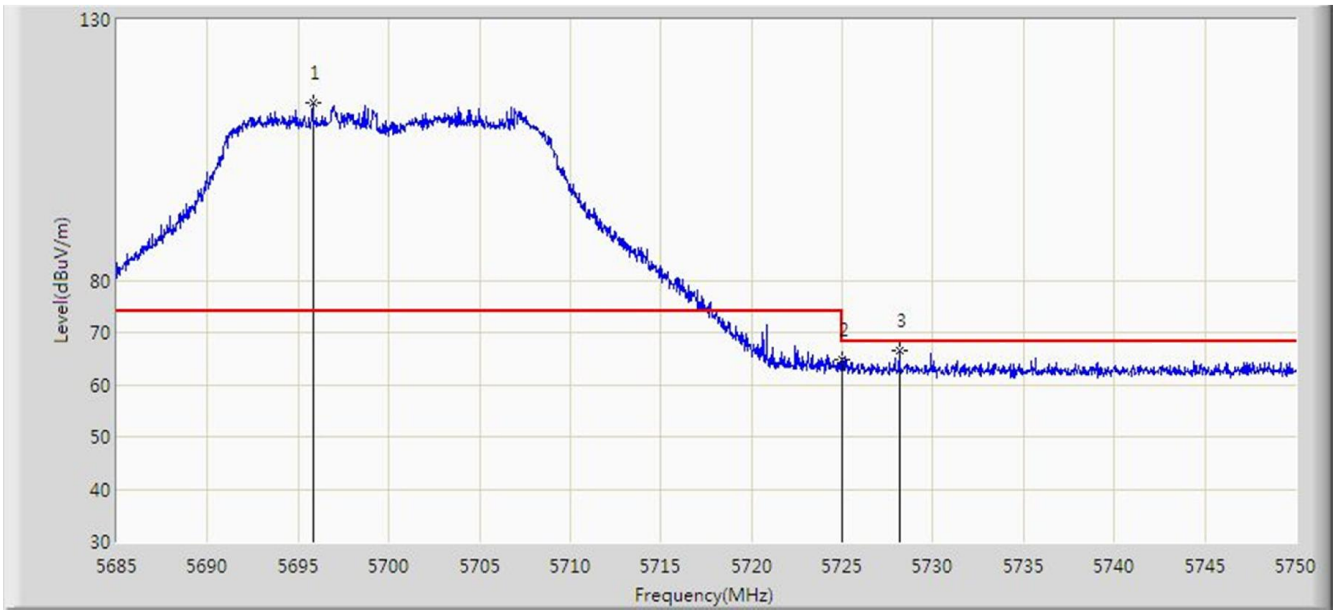


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5699.235	102.562	97.927	N/A	N/A	4.635	PK
2			5725.000	63.029	58.295	-5.171	68.200	4.734	PK
3			5734.595	65.053	60.282	-3.147	68.200	4.771	PK

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

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

Site: AC1	Time: 2019/10/30 - 20:50
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5700MHz (Beam-Forming Mode)	

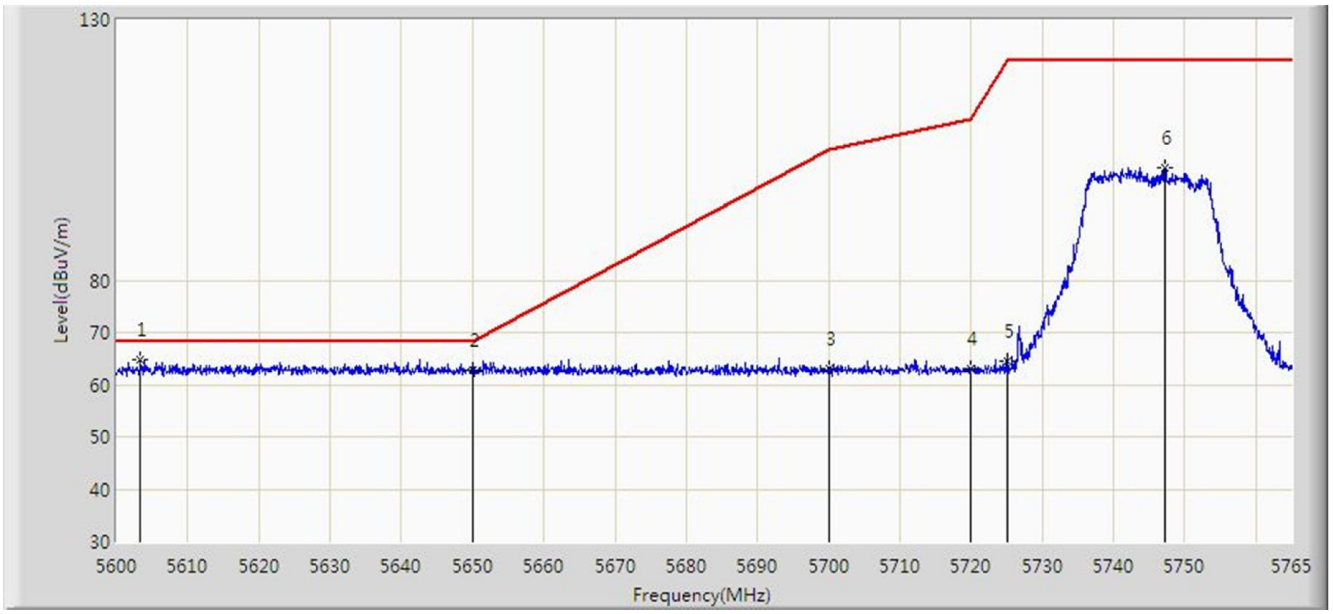


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5695.822	114.077	109.455	N/A	N/A	4.623	PK
2			5725.000	64.768	60.034	-3.432	68.200	4.734	PK
3			5728.160	66.497	61.751	-1.703	68.200	4.746	PK

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

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

Site: AC1	Time: 2019/10/30 - 20:54
Limit: FCC_Part15.407_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5745MHz (Beam-Forming Mode)	

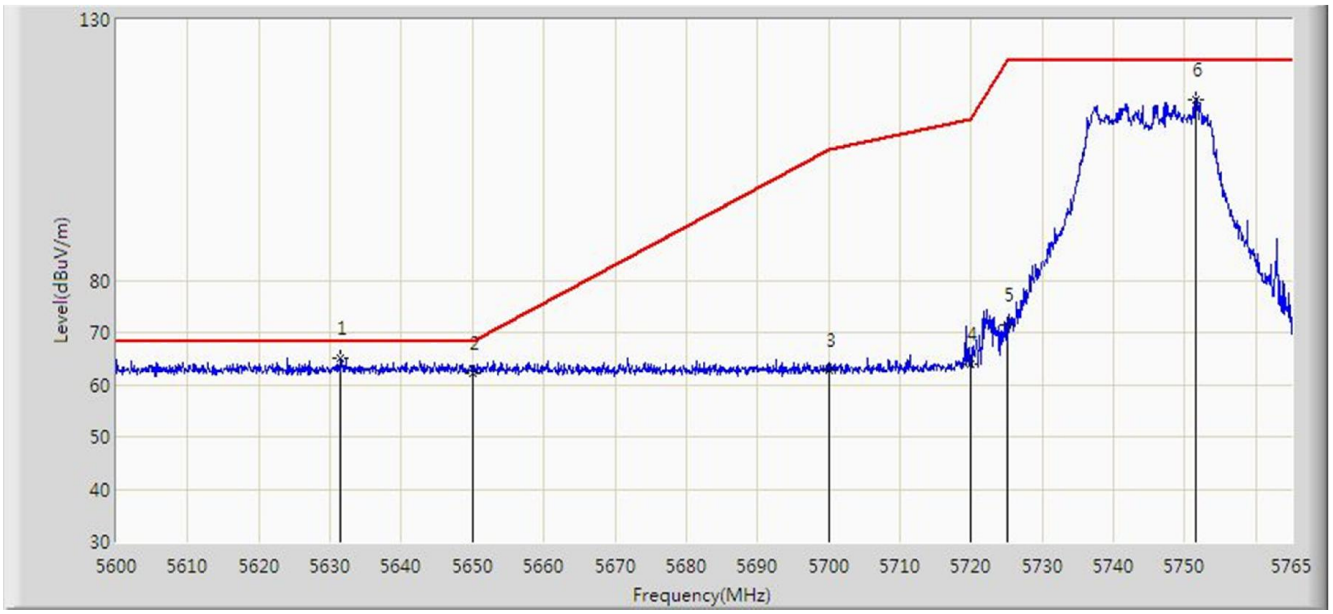


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5603.300	64.652	60.386	-3.548	68.200	4.266	PK
2			5650.000	62.779	58.333	-5.421	68.200	4.446	PK
3			5700.000	63.076	58.438	-42.124	105.200	4.638	PK
4			5720.000	63.164	58.449	-47.636	110.800	4.715	PK
5			5725.000	64.547	59.813	-57.653	122.200	4.734	PK
6			5747.263	101.605	96.786	N/A	N/A	4.819	PK

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

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

Site: AC1	Time: 2019/10/30 - 20:52
Limit: FCC_Part15.407_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5745MHz (Beam-Forming Mode)	

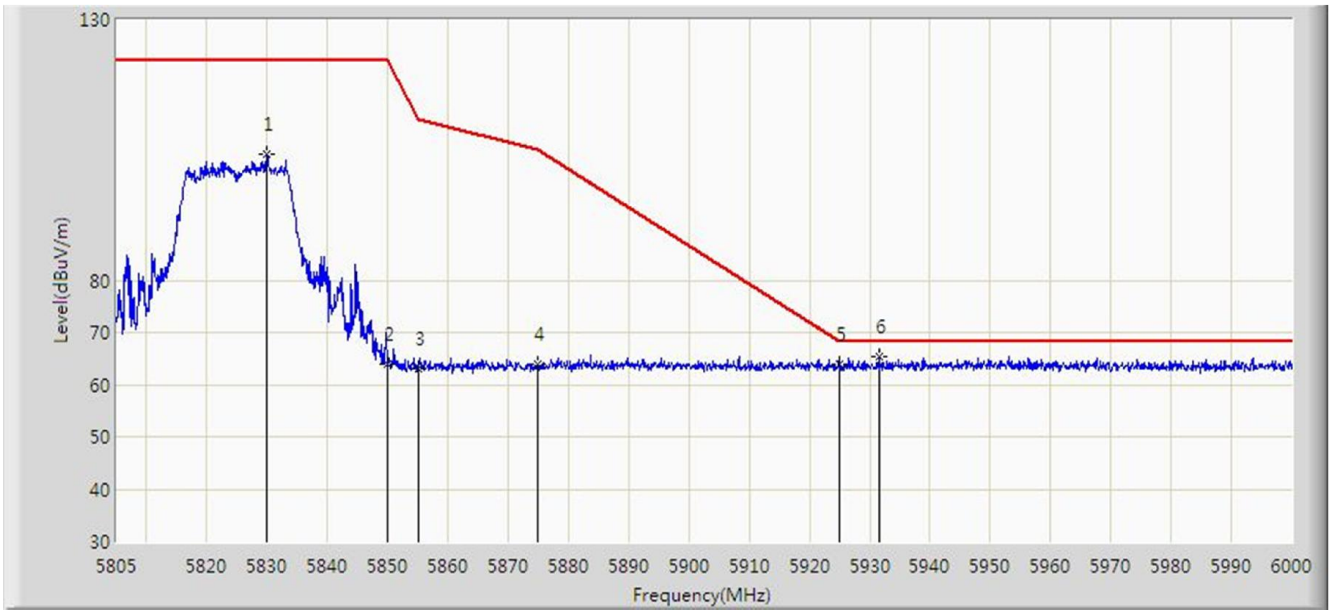


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5631.515	65.126	60.751	-3.074	68.200	4.376	PK
2			5650.000	62.257	57.811	-5.943	68.200	4.446	PK
3			5700.000	62.863	58.225	-42.337	105.200	4.638	PK
4			5720.000	63.857	59.142	-46.943	110.800	4.715	PK
5			5725.000	71.357	66.623	-50.843	122.200	4.734	PK
6			5751.553	114.687	109.851	N/A	N/A	4.836	PK

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

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

Site: AC1	Time: 2019/10/30 - 20:57
Limit: FCC_Part15.407_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5825MHz (Beam-Forming Mode)	

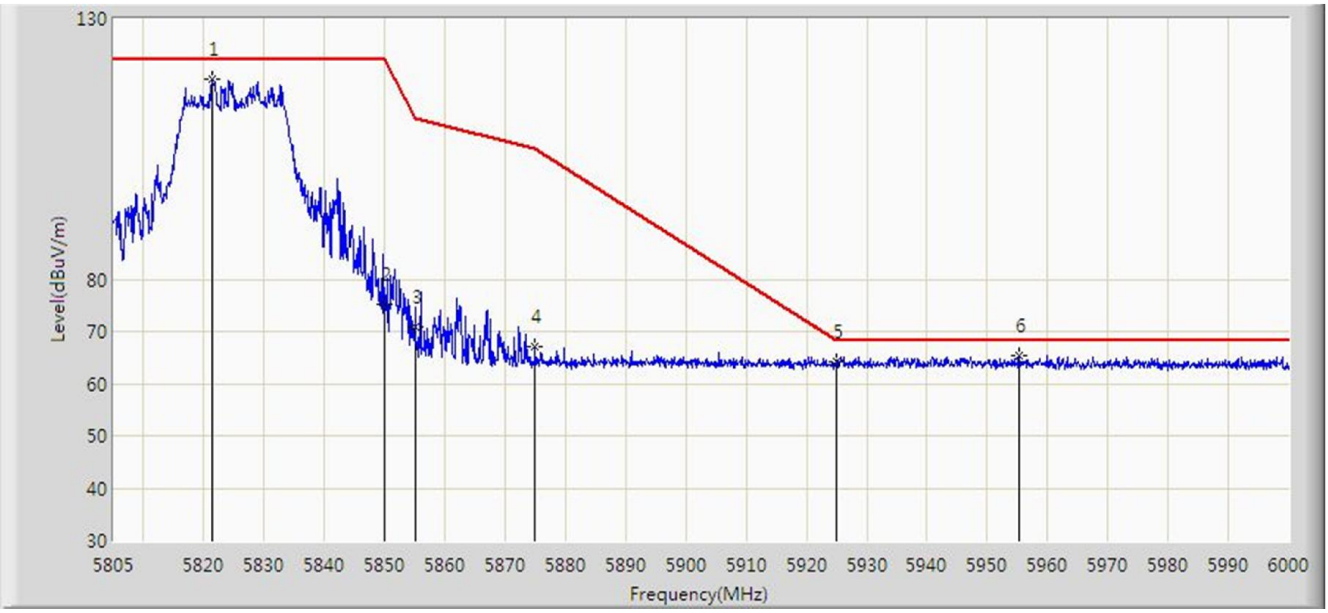


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5829.862	104.144	99.007	N/A	N/A	5.136	PK
2			5850.000	63.821	58.607	-58.379	122.200	5.214	PK
3			5855.000	63.116	57.883	-47.684	110.800	5.233	PK
4			5875.000	63.842	58.532	-41.358	105.200	5.310	PK
5			5925.000	63.825	58.323	-4.375	68.200	5.502	PK
6		*	5931.458	65.232	59.705	-2.968	68.200	5.527	PK

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

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

Site: AC1	Time: 2019/10/30 - 20:56
Limit: FCC_Part15.407_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5825MHz (Beam-Forming Mode)	

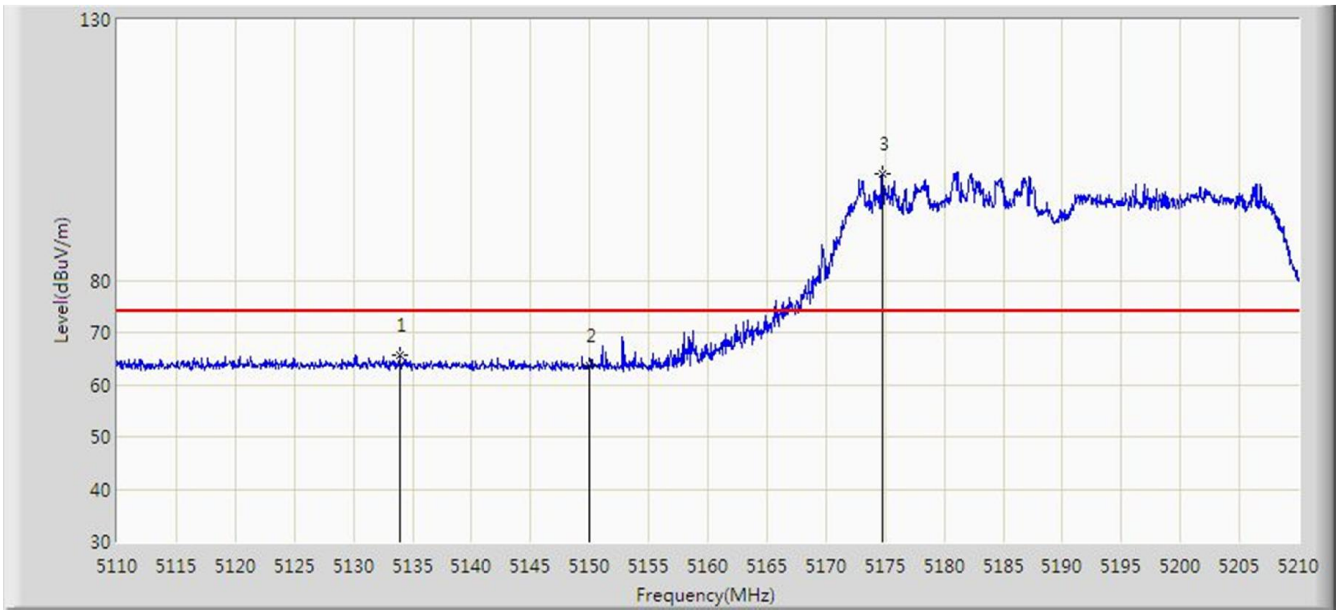


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5821.380	118.362	113.258	N/A	N/A	5.104	PK
2			5850.000	75.227	70.013	-46.973	122.200	5.214	PK
3			5855.000	70.887	65.654	-39.913	110.800	5.233	PK
4			5875.000	67.005	61.695	-38.195	105.200	5.310	PK
5			5925.000	64.164	58.662	-4.036	68.200	5.502	PK
6		*	5955.248	65.307	59.689	-2.893	68.200	5.619	PK

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

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

Site: AC1	Time: 2019/10/30 - 21:05
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz (Beam-Forming Mode)	

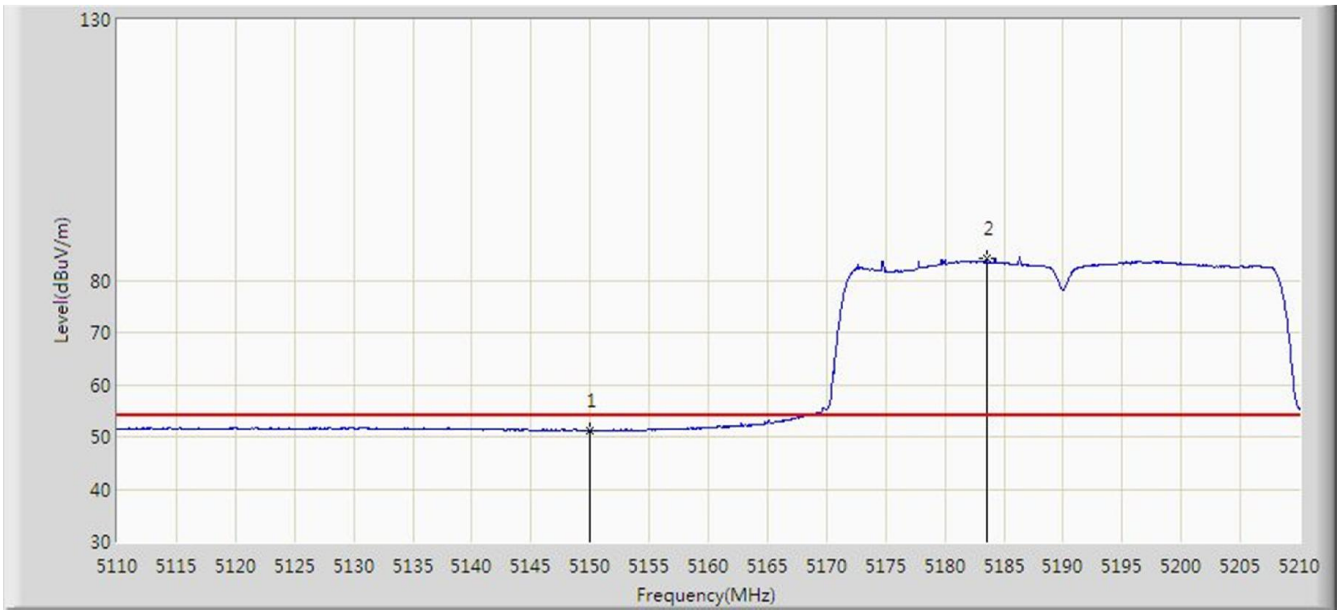


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5133.900	65.532	61.896	-8.468	74.000	3.636	PK
2			5150.000	63.492	59.846	-10.508	74.000	3.646	PK
3		*	5174.800	100.422	96.760	N/A	N/A	3.662	PK

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

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

Site: AC1	Time: 2019/10/30 - 21:06
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz (Beam-Forming Mode)	

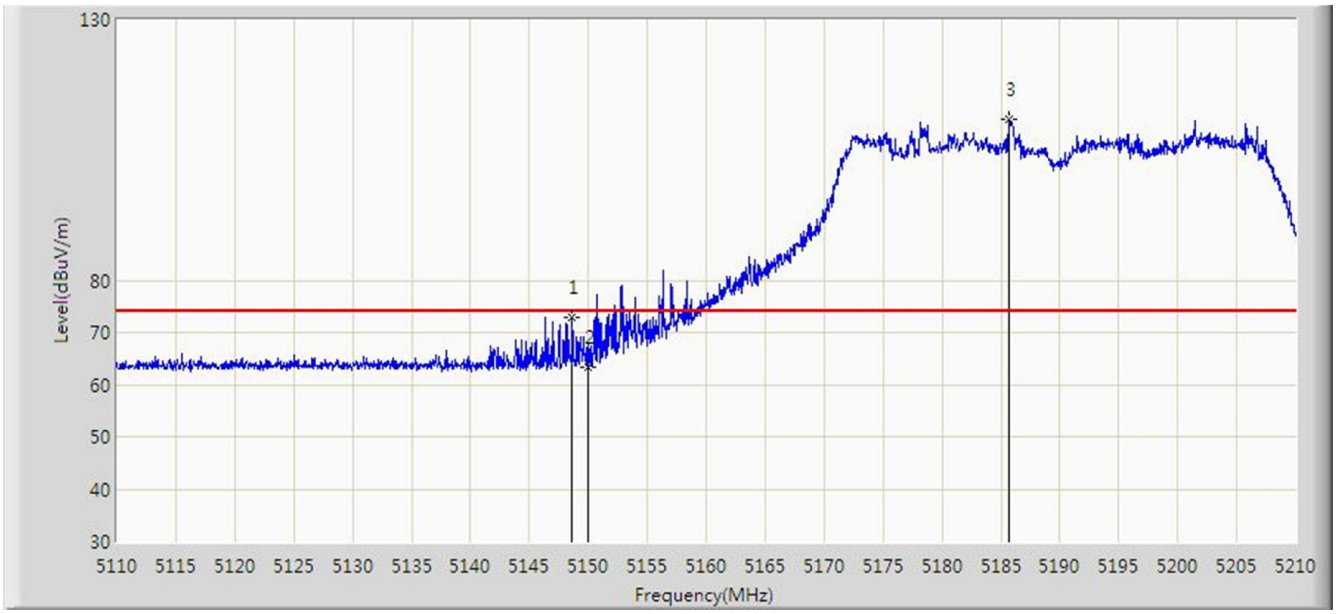


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.275	47.629	-2.725	54.000	3.646	AV
2		*	5183.550	84.264	80.597	N/A	N/A	3.668	AV

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

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

Site: AC1	Time: 2019/10/30 - 21:02
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz (Beam-Forming Mode)	

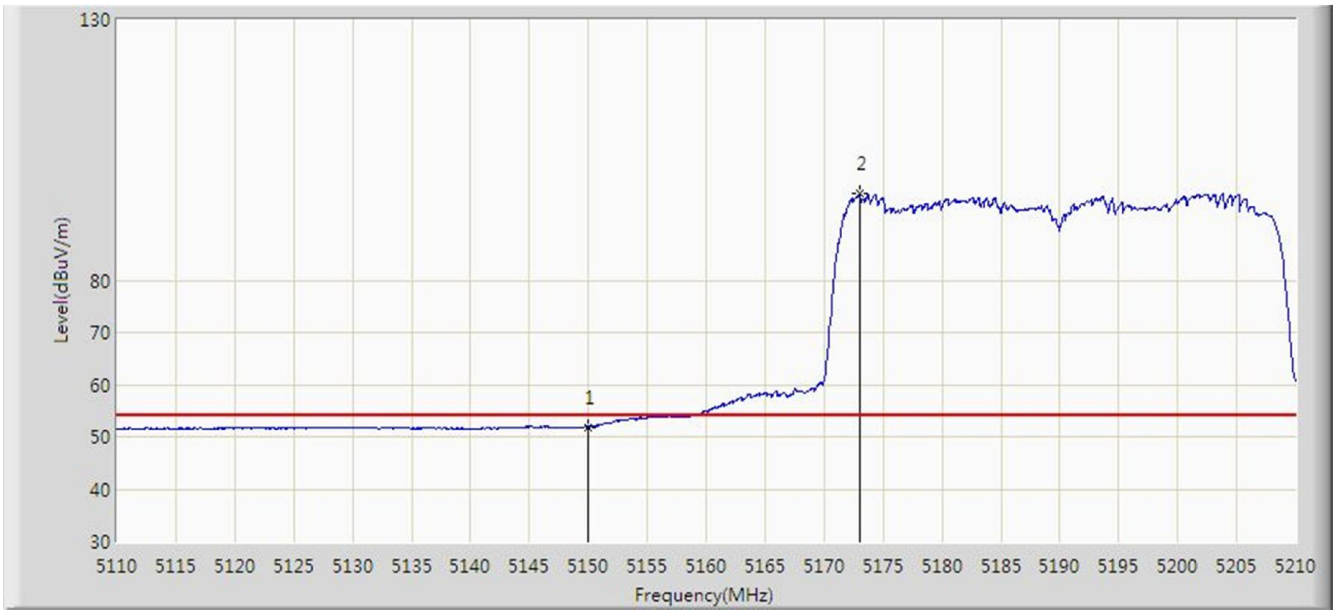


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.650	72.892	69.247	-1.108	74.000	3.645	PK
2			5150.000	63.286	59.640	-10.714	74.000	3.646	PK
3		*	5185.750	110.998	107.329	N/A	N/A	3.668	PK

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

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

Site: AC1	Time: 2019/10/30 - 21:04
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz (Beam-Forming Mode)	

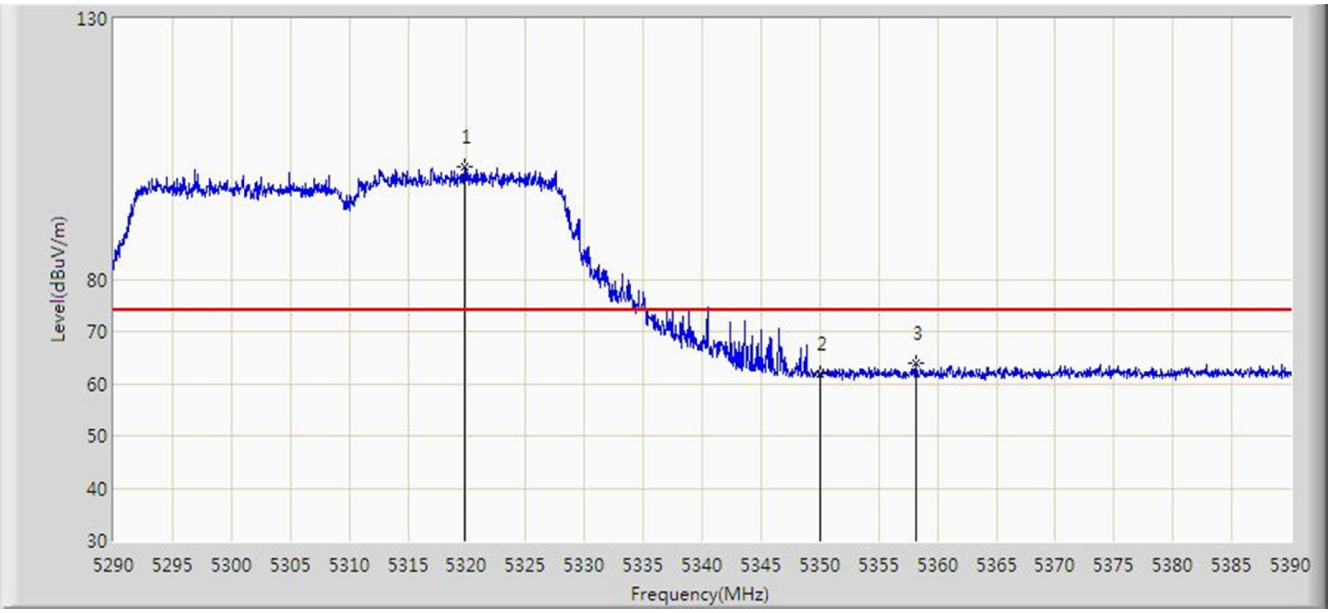


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.825	48.179	-2.175	54.000	3.646	AV
2		*	5173.050	96.651	92.991	N/A	N/A	3.660	AV

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

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

Site: AC1	Time: 2019/10/30 - 21:28
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz (Beam-Forming Mode)	

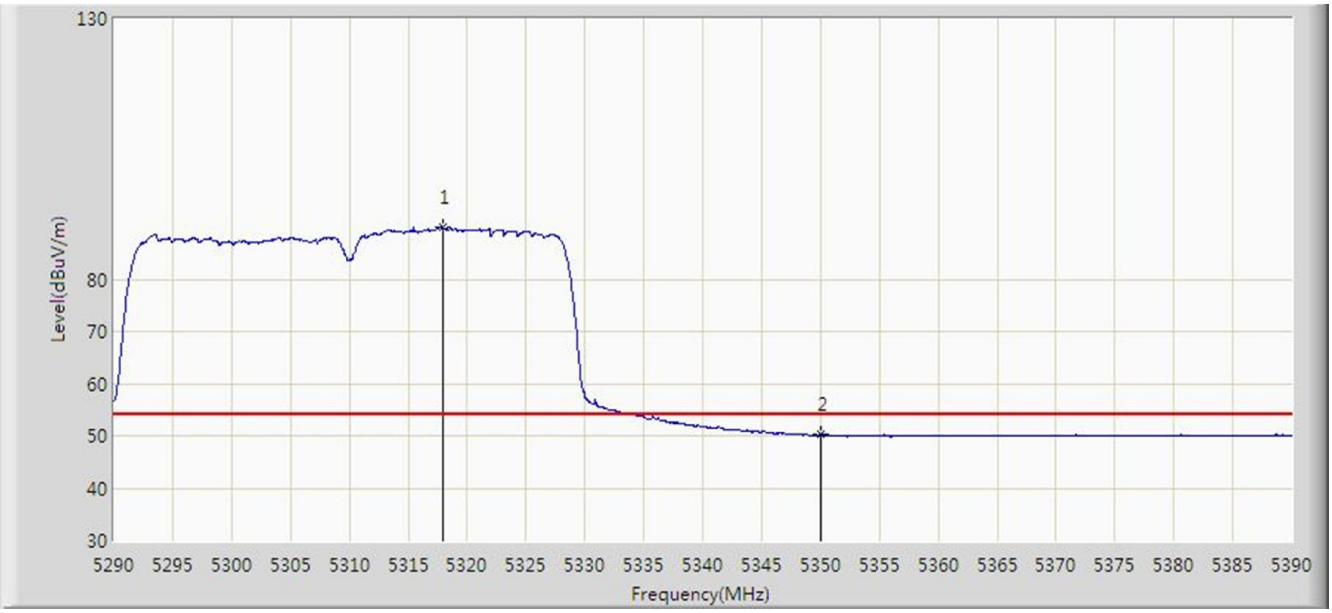


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5319.800	101.514	97.759	N/A	N/A	3.756	PK
2			5350.000	61.968	58.194	-12.032	74.000	3.774	PK
3			5358.150	63.876	60.097	-10.124	74.000	3.779	PK

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

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

Site: AC1	Time: 2019/10/30 - 21:29
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz (Beam-Forming Mode)	

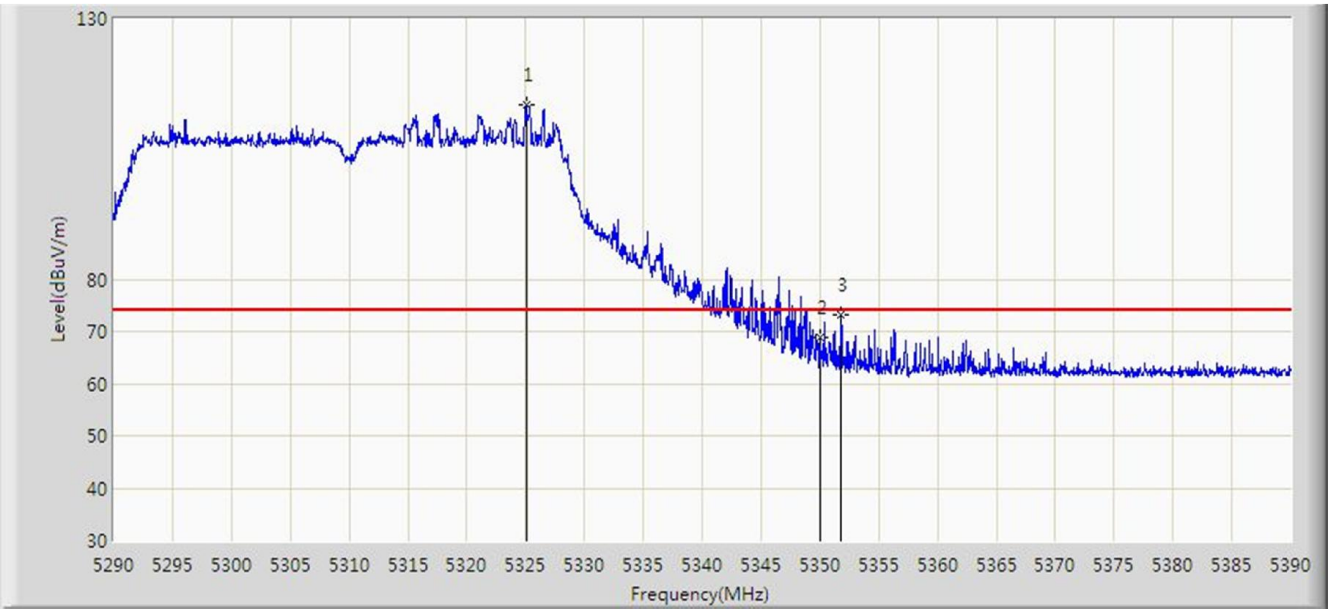


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5317.950	89.968	86.214	N/A	N/A	3.754	AV
2			5350.000	50.182	46.408	-3.818	54.000	3.774	AV

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

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

Site: AC1	Time: 2019/10/30 - 21:26
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz (Beam-Forming Mode)	

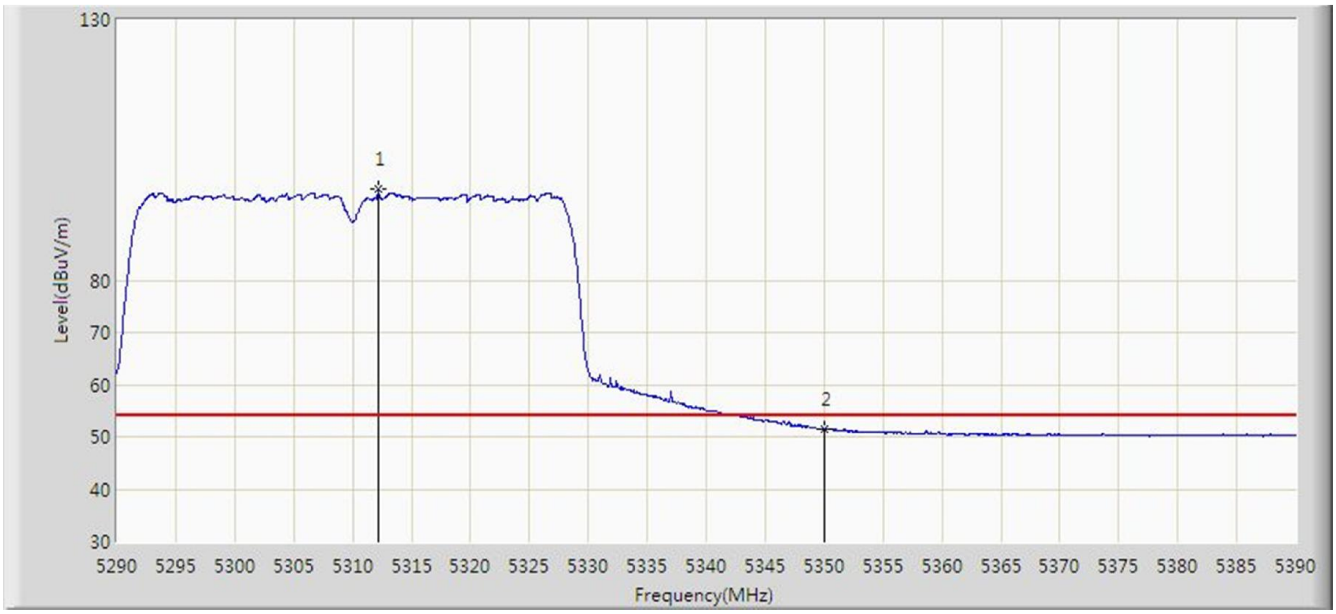


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5325.100	113.450	109.691	N/A	N/A	3.758	PK
2			5350.000	68.854	65.080	-5.146	74.000	3.774	PK
3			5351.800	73.255	69.480	-0.745	74.000	3.775	PK

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

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

Site: AC1	Time: 2019/10/30 - 21:28
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz (Beam-Forming Mode)	

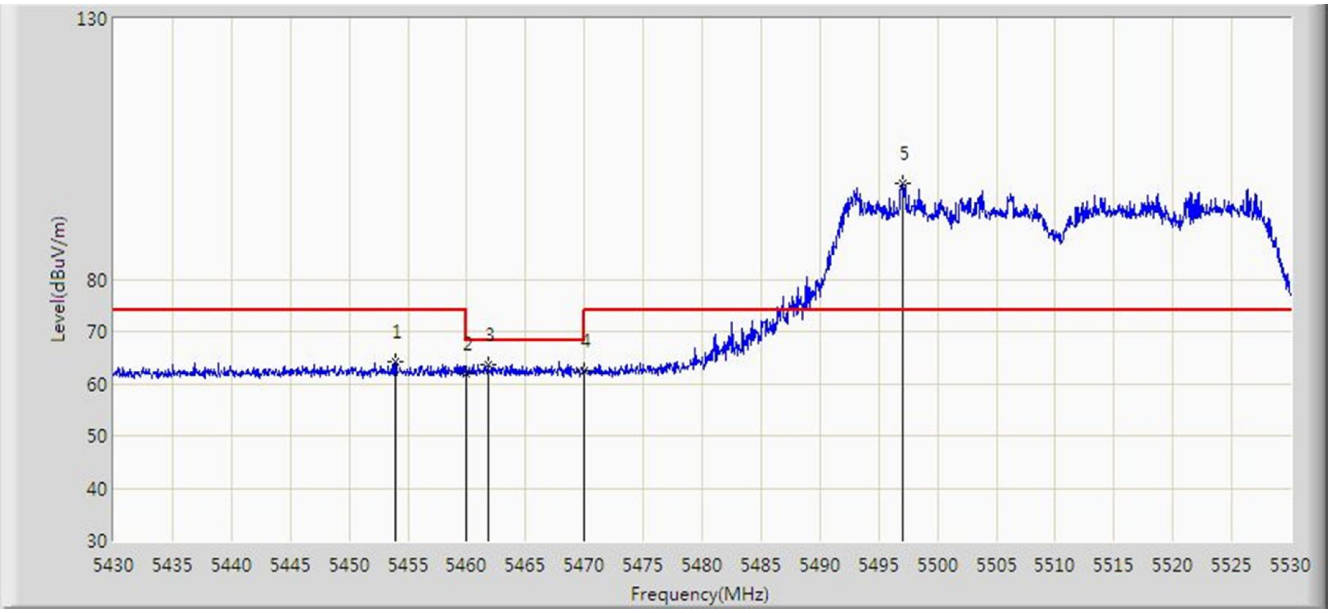


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5312.200	97.603	93.853	N/A	N/A	3.750	AV
2			5350.000	51.432	47.658	-2.568	54.000	3.774	AV

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

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

Site: AC1	Time: 2019/10/30 - 22:08
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5510MHz (Beam-Forming Mode)	

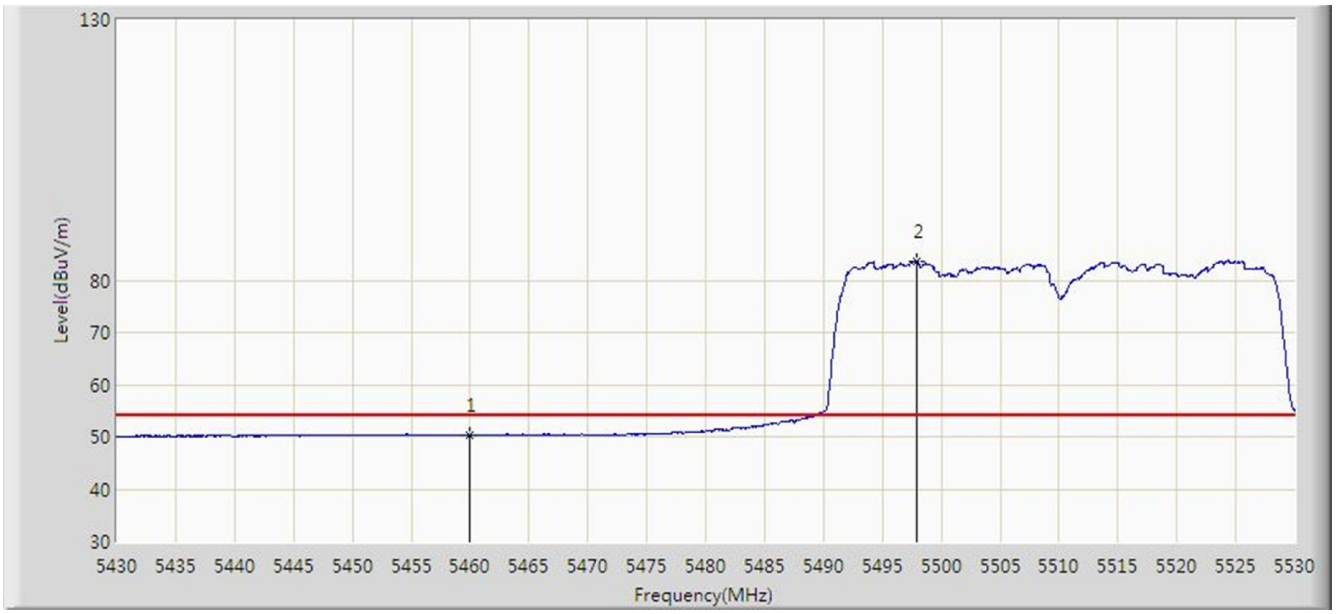


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5453.900	64.086	60.246	-9.914	74.000	3.840	PK
2			5460.000	62.019	58.175	-11.981	74.000	3.844	PK
3			5461.800	63.714	59.869	-4.486	68.200	3.845	PK
4			5470.000	62.353	58.502	-5.847	68.200	3.850	PK
5		*	5497.000	98.415	94.538	N/A	N/A	3.877	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:09
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5510MHz (Beam-Forming Mode)	

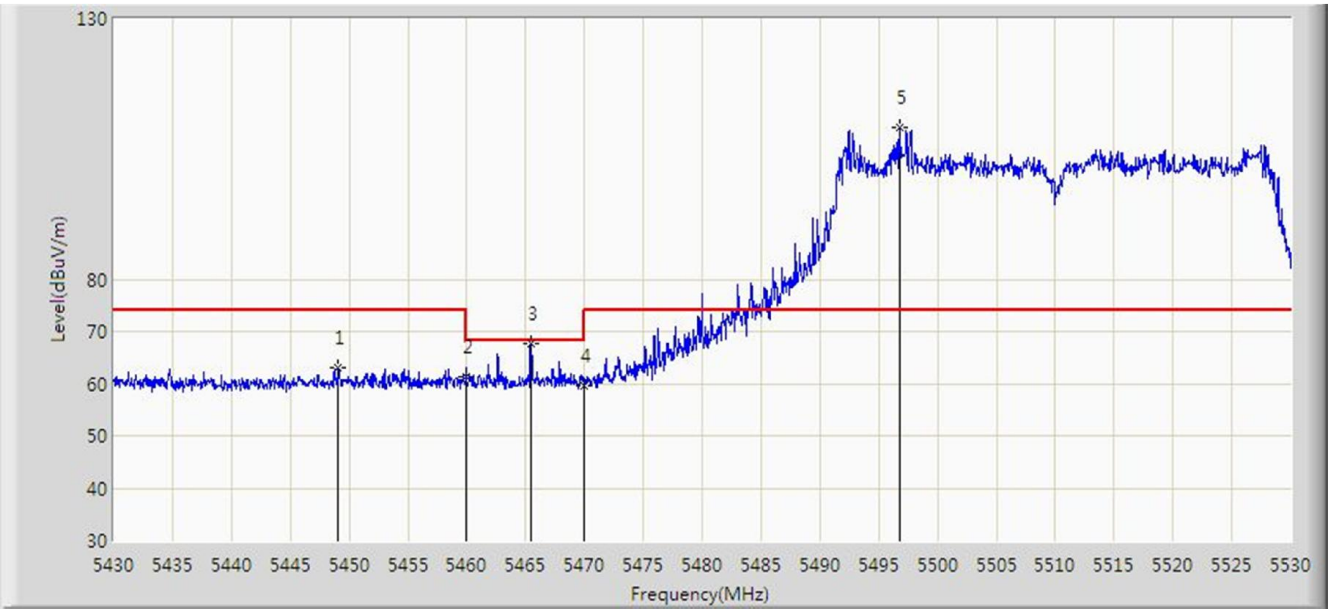


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.313	46.469	-3.687	54.000	3.844	AV
2		*	5497.900	83.580	79.701	N/A	N/A	3.879	AV

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

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

Site: AC1	Time: 2019/10/30 - 22:06
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5510MHz (Beam-Forming Mode)	

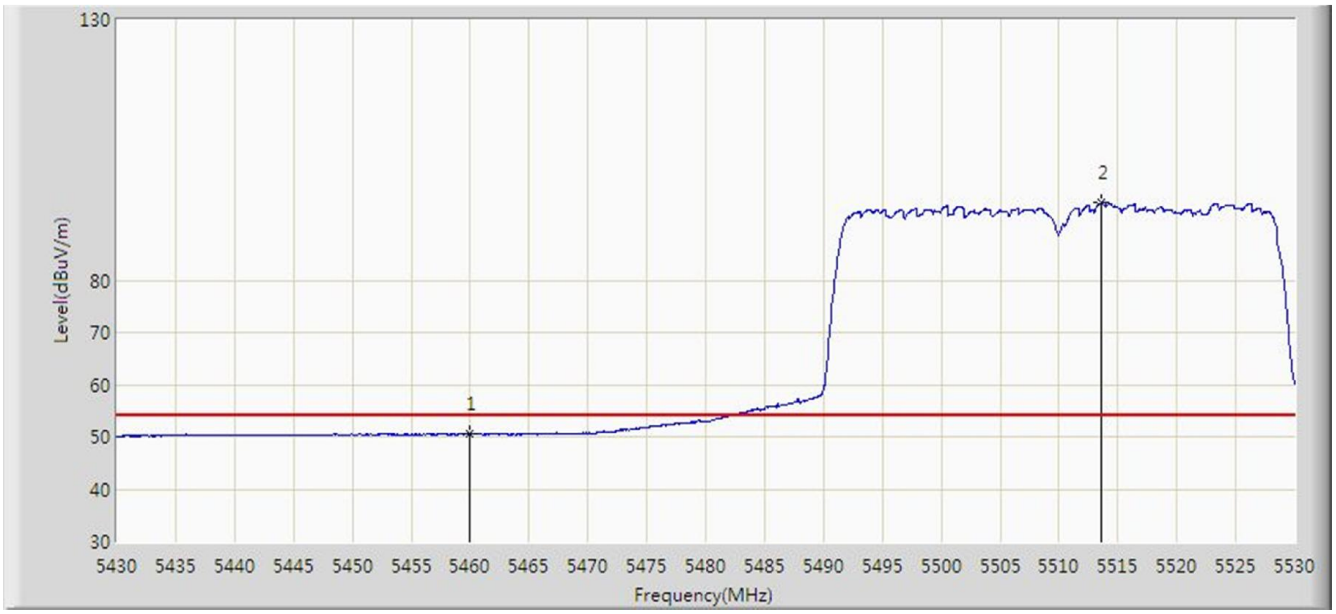


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5449.100	63.171	59.334	-10.829	74.000	3.837	PK
2			5460.000	61.352	57.508	-12.648	74.000	3.844	PK
3			5465.450	67.603	63.755	-0.597	68.200	3.848	PK
4			5470.000	59.696	55.845	-8.504	68.200	3.850	PK
5		*	5496.750	109.202	105.325	N/A	N/A	3.877	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:08
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5510MHz (Beam-Forming Mode)	

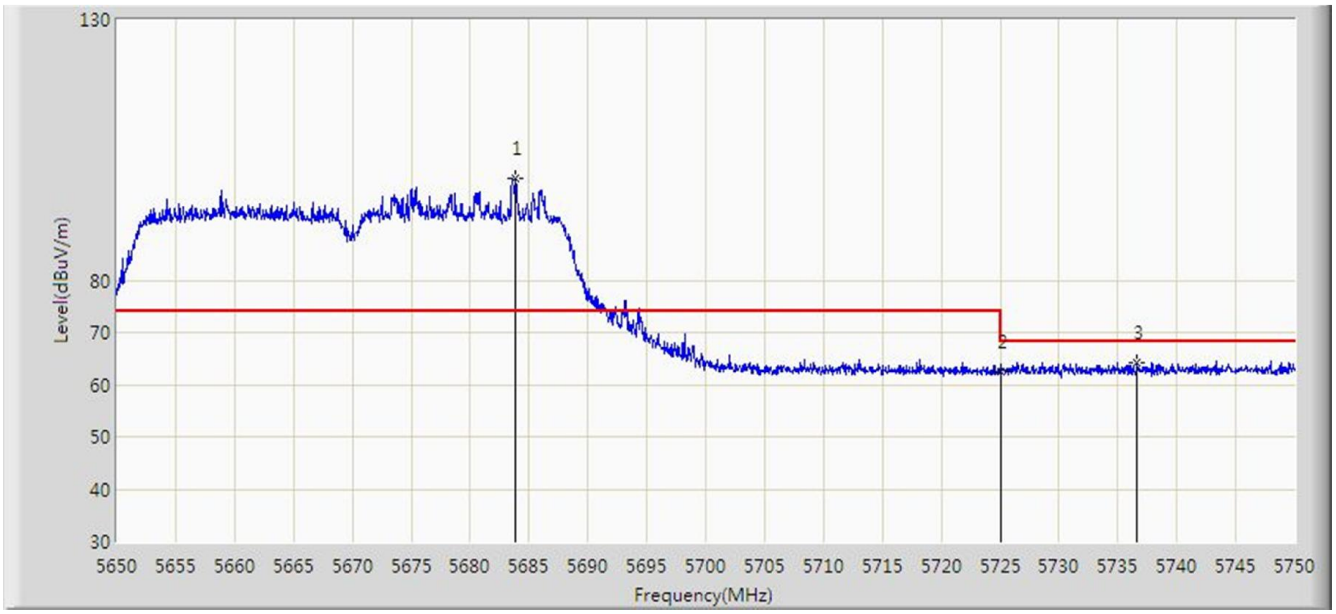


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.472	46.628	-3.528	54.000	3.844	AV
2		*	5513.600	94.859	90.937	N/A	N/A	3.923	AV

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

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

Site: AC1	Time: 2019/10/30 - 21:56
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5670MHz (Beam-Forming Mode)	

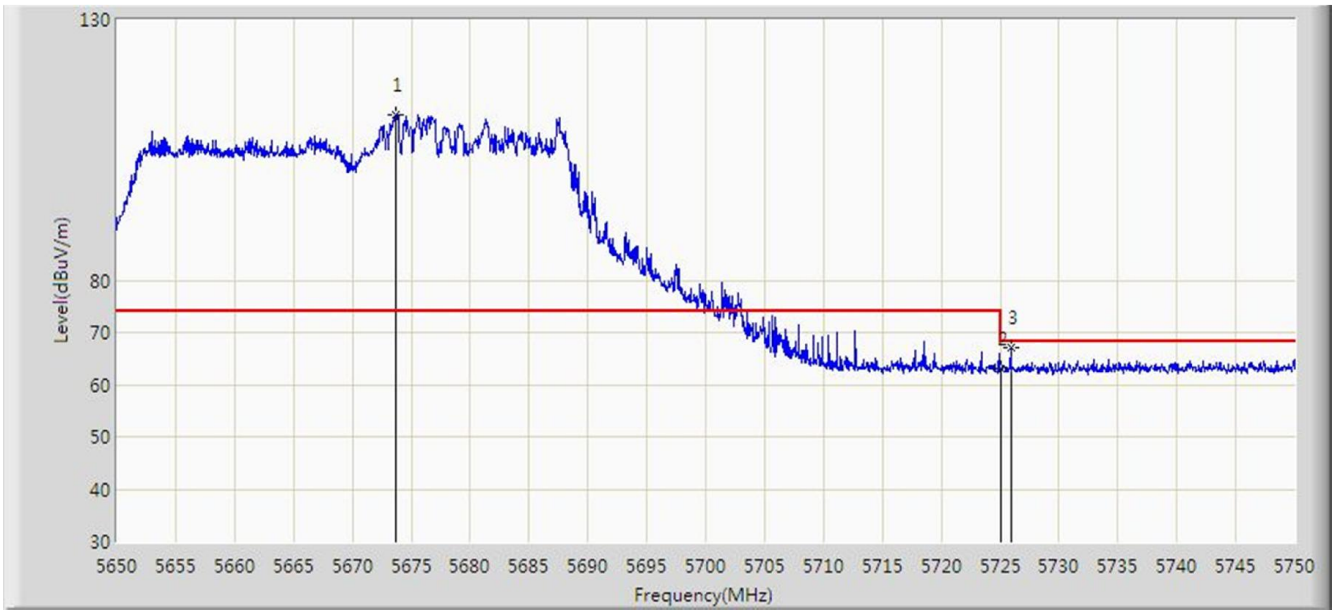


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5683.800	99.524	94.948	N/A	N/A	4.575	PK
2			5725.000	62.438	57.704	-5.762	68.200	4.734	PK
3			5736.650	64.325	59.547	-3.875	68.200	4.779	PK

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

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

Site: AC1	Time: 2019/10/30 - 21:55
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5670MHz (Beam-Forming Mode)	

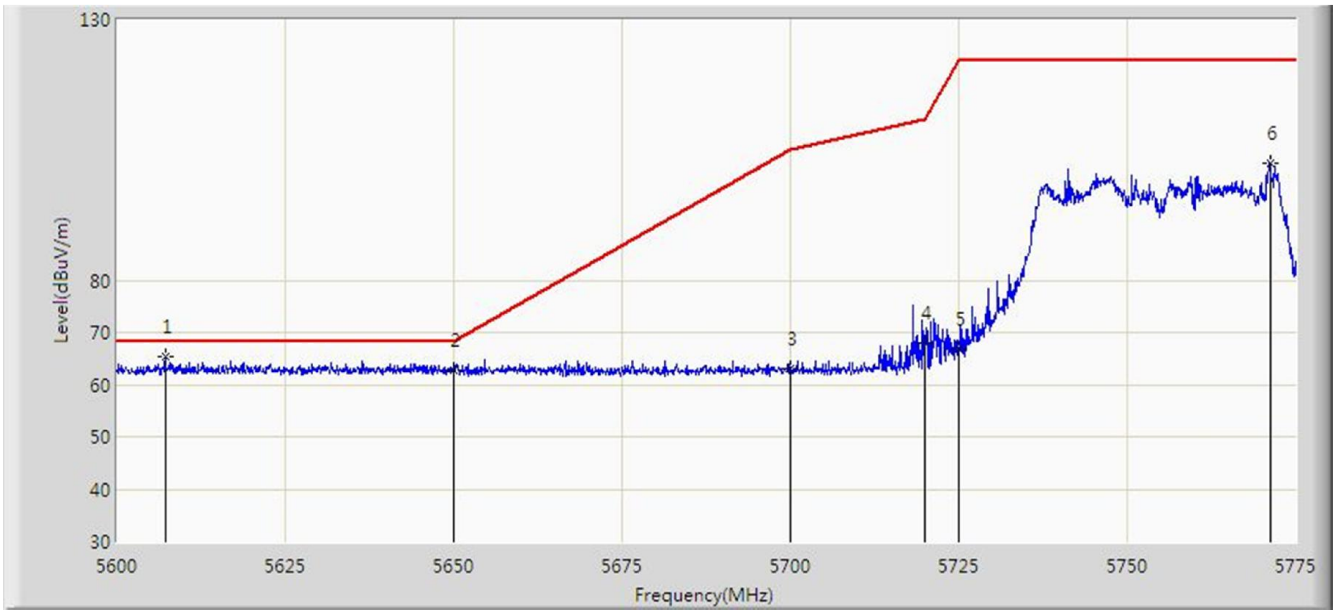


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5673.700	111.842	107.305	N/A	N/A	4.537	PK
2			5725.000	63.093	58.359	-5.107	68.200	4.734	PK
3			5725.900	67.080	62.343	-1.120	68.200	4.738	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:00
Limit: FCC_Part15.407_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5775MHz (Beam-Forming Mode)	

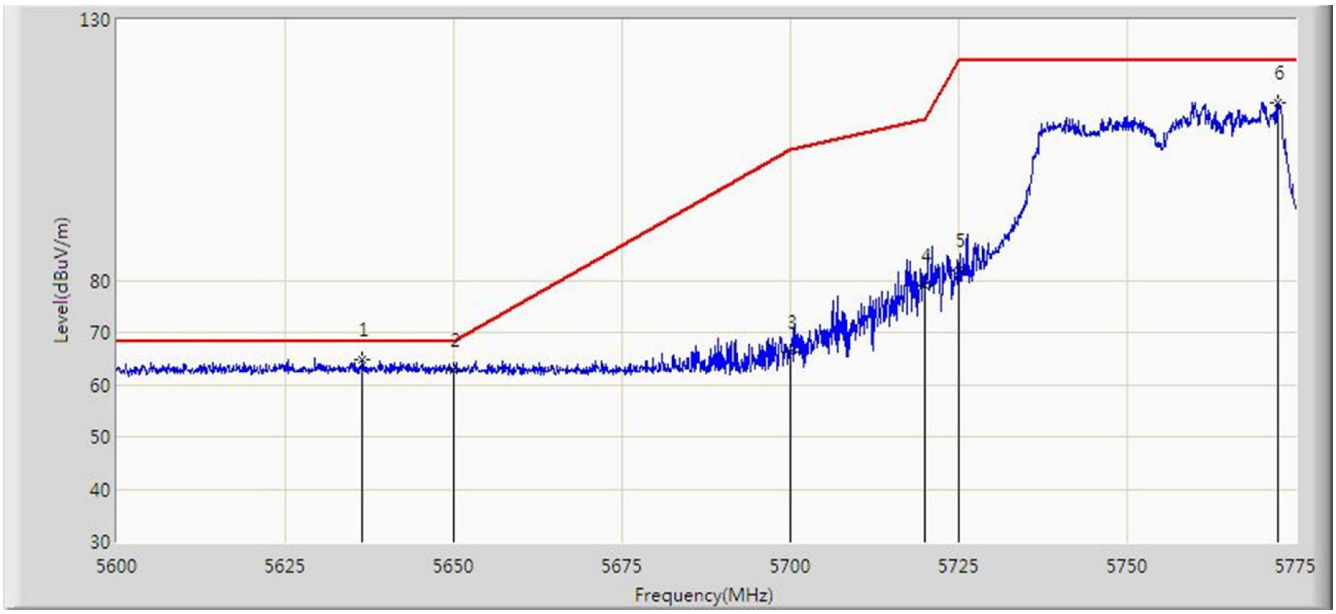


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5607.175	65.439	61.158	-2.761	68.200	4.281	PK
2			5650.000	62.856	58.410	-5.344	68.200	4.446	PK
3			5700.000	63.058	58.420	-42.142	105.200	4.638	PK
4			5720.000	67.920	63.205	-42.880	110.800	4.715	PK
5			5725.000	66.907	62.173	-55.293	122.200	4.734	PK
6			5771.237	102.581	97.669	N/A	N/A	4.911	PK

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

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

Site: AC1	Time: 2019/10/30 - 21:58
Limit: FCC_Part15.407_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5775MHz (Beam-Forming Mode)	

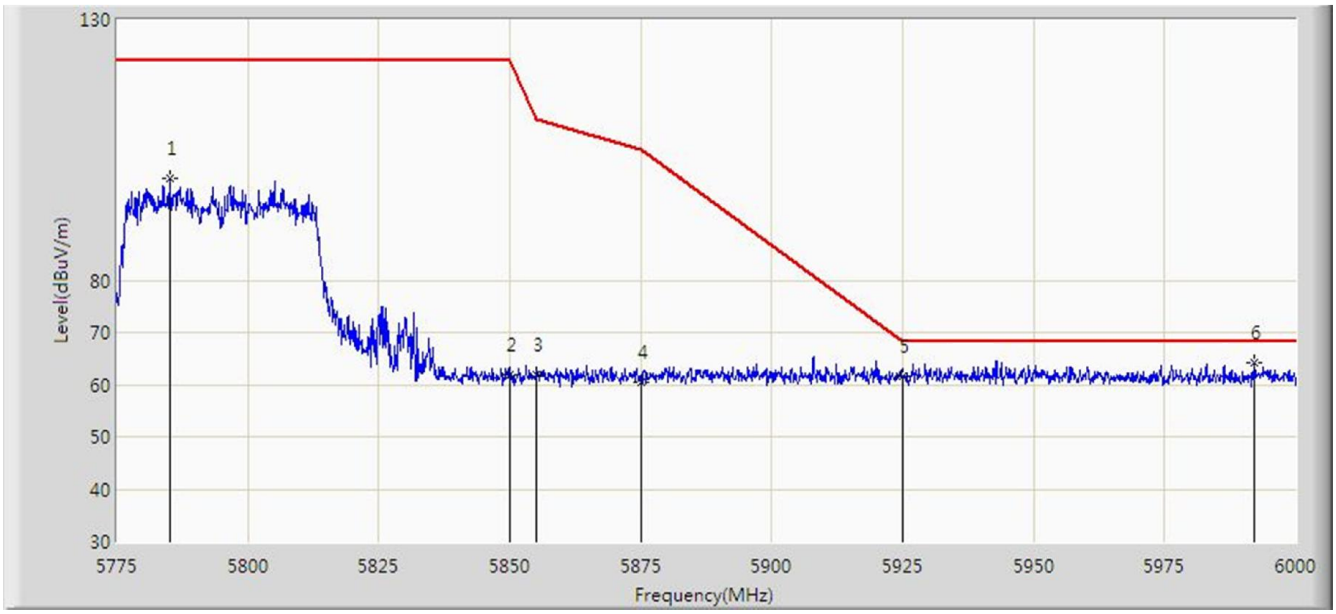


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5636.487	64.840	60.445	-3.360	68.200	4.395	PK
2			5650.000	62.640	58.194	-5.560	68.200	4.446	PK
3			5700.000	66.239	61.601	-38.961	105.200	4.638	PK
4			5720.000	78.950	74.235	-31.850	110.800	4.715	PK
5			5725.000	81.946	77.212	-40.254	122.200	4.734	PK
6			5772.288	114.133	109.217	N/A	N/A	4.915	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:02
Limit: FCC_Part15.407_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5795MHz (Beam-Forming Mode)	

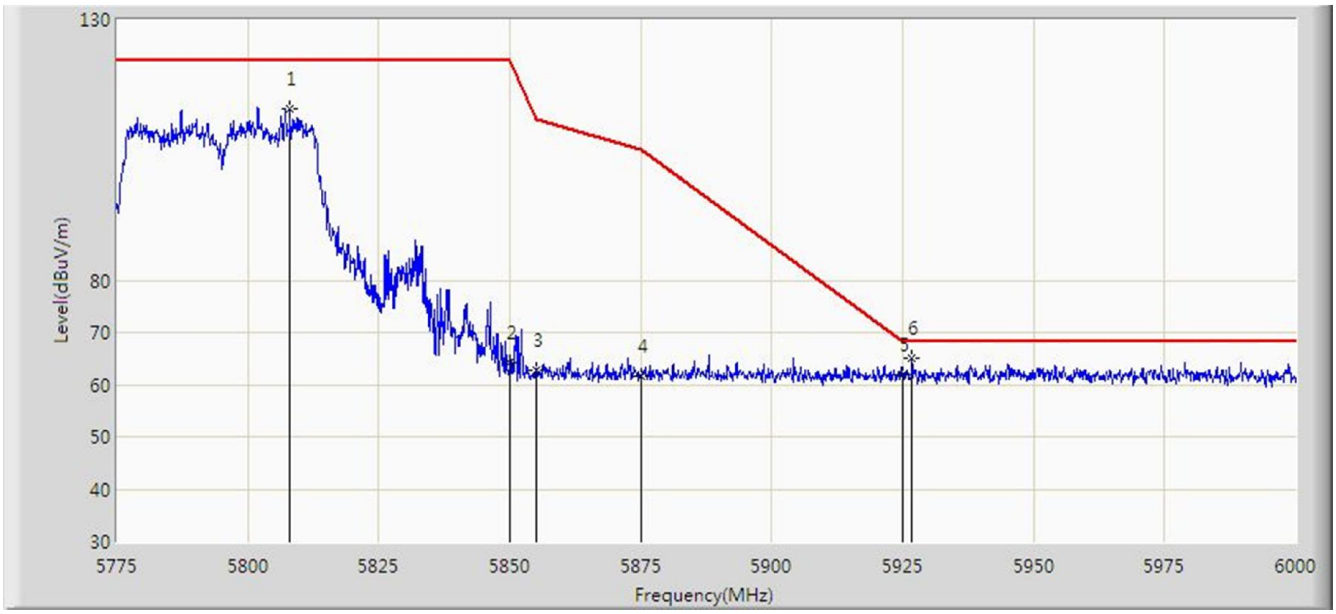


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5785.013	99.461	94.496	N/A	N/A	4.965	PK
2			5850.000	61.865	56.651	-60.335	122.200	5.214	PK
3			5855.000	61.775	56.542	-49.025	110.800	5.233	PK
4			5875.000	60.367	55.057	-44.833	105.200	5.310	PK
5			5925.000	61.561	56.059	-6.639	68.200	5.502	PK
6		*	5992.237	64.339	58.579	-3.861	68.200	5.761	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:04
Limit: FCC_Part15.407_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5795MHz (Beam-Forming Mode)	

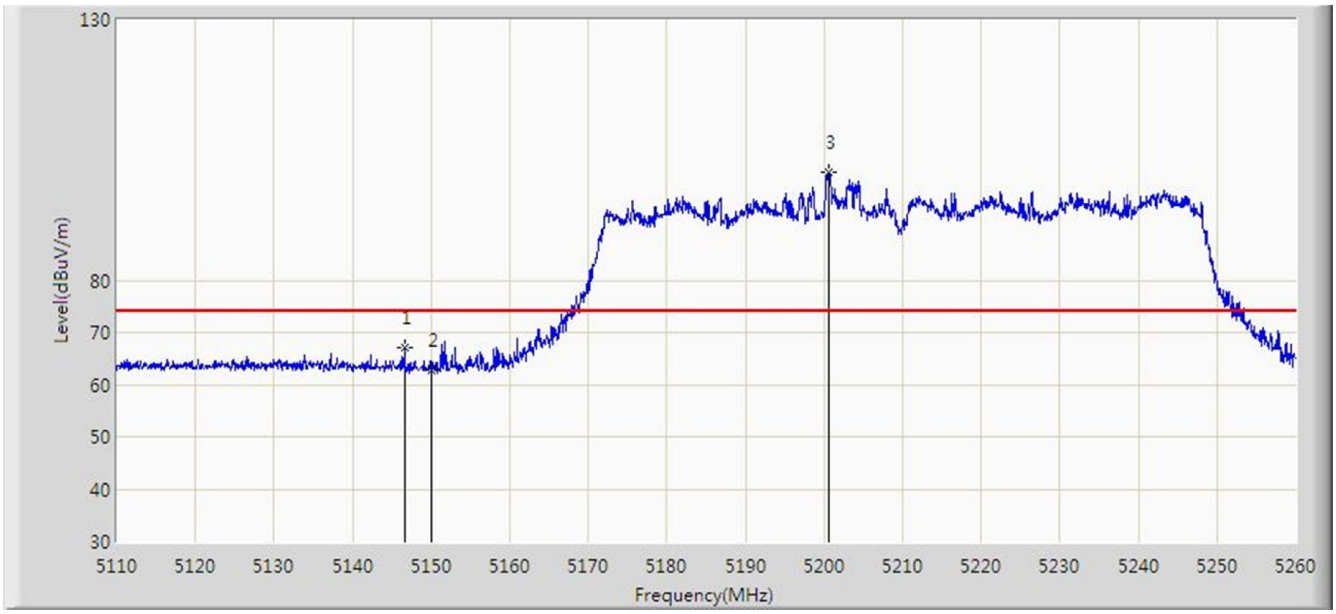


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5807.962	112.822	107.769	N/A	N/A	5.052	PK
2			5850.000	64.343	59.129	-57.857	122.200	5.214	PK
3			5855.000	62.870	57.637	-47.930	110.800	5.233	PK
4			5875.000	61.645	56.335	-43.555	105.200	5.310	PK
5			5925.000	61.868	56.366	-6.332	68.200	5.502	PK
6		*	5926.763	65.059	59.550	-3.141	68.200	5.508	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:17
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz (Beam-Forming Mode)	

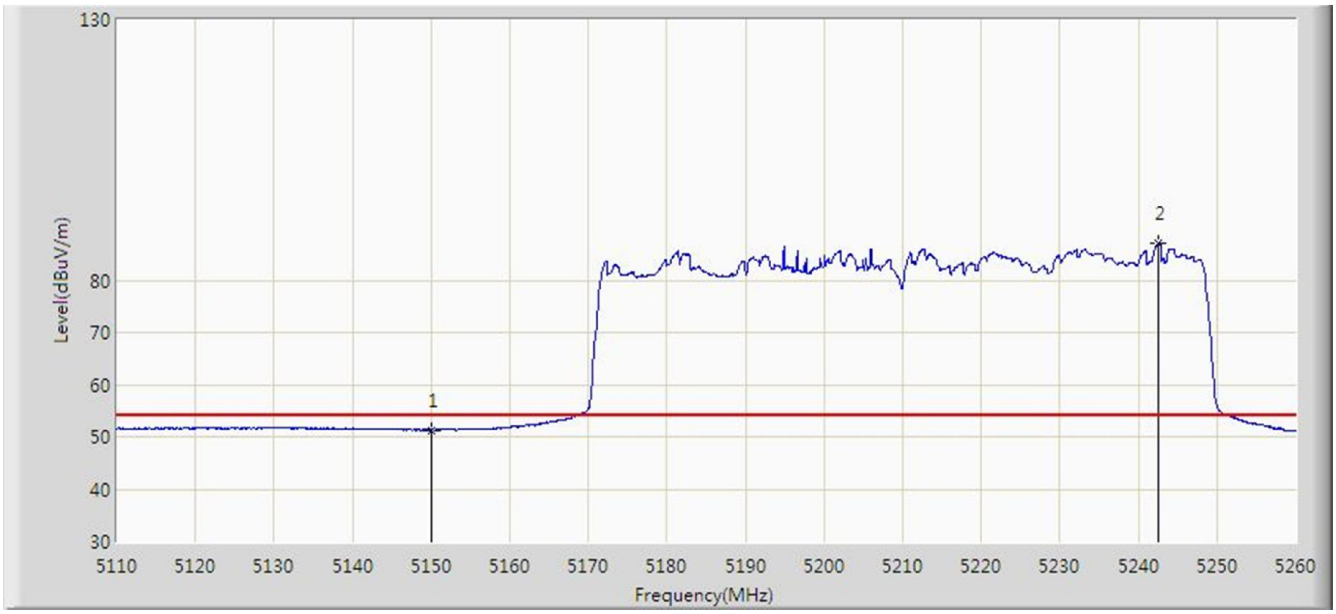


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.600	67.128	63.484	-6.872	74.000	3.644	PK
2			5150.000	62.711	59.065	-11.289	74.000	3.646	PK
3		*	5200.675	100.584	96.905	N/A	N/A	3.679	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:18
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz (Beam-Forming Mode)	

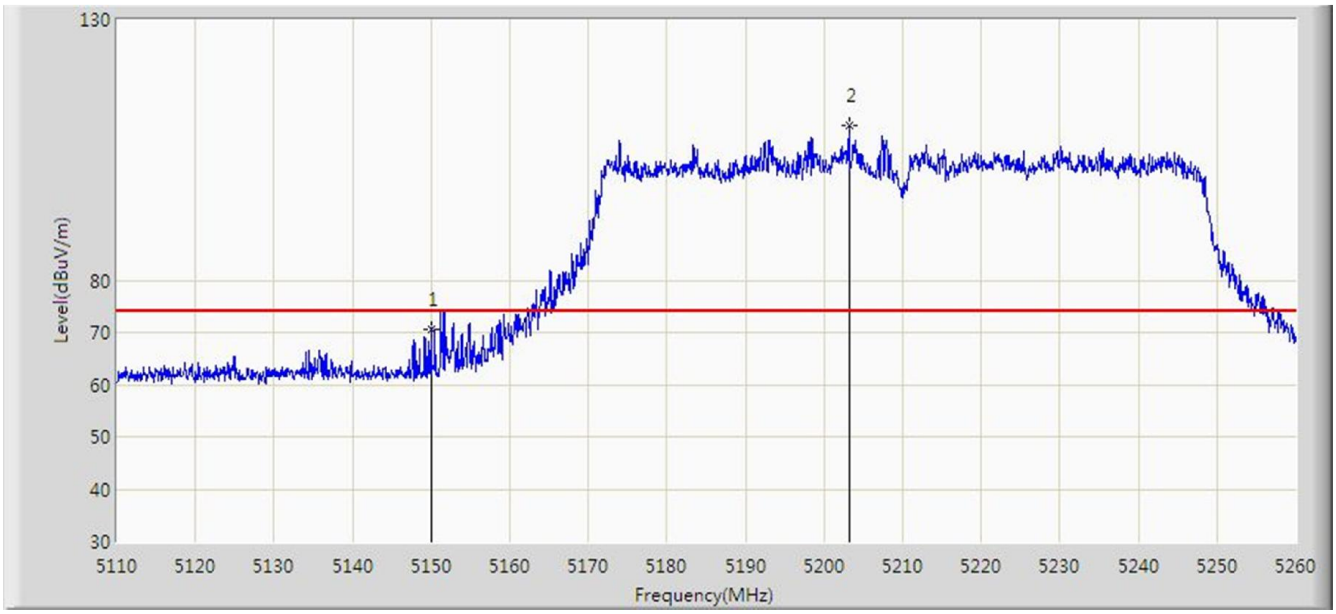


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.284	47.638	-2.716	54.000	3.646	AV
2		*	5242.525	86.998	83.292	N/A	N/A	3.706	AV

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

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

Site: AC1	Time: 2019/10/30 - 22:15
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz (Beam-Forming Mode)	

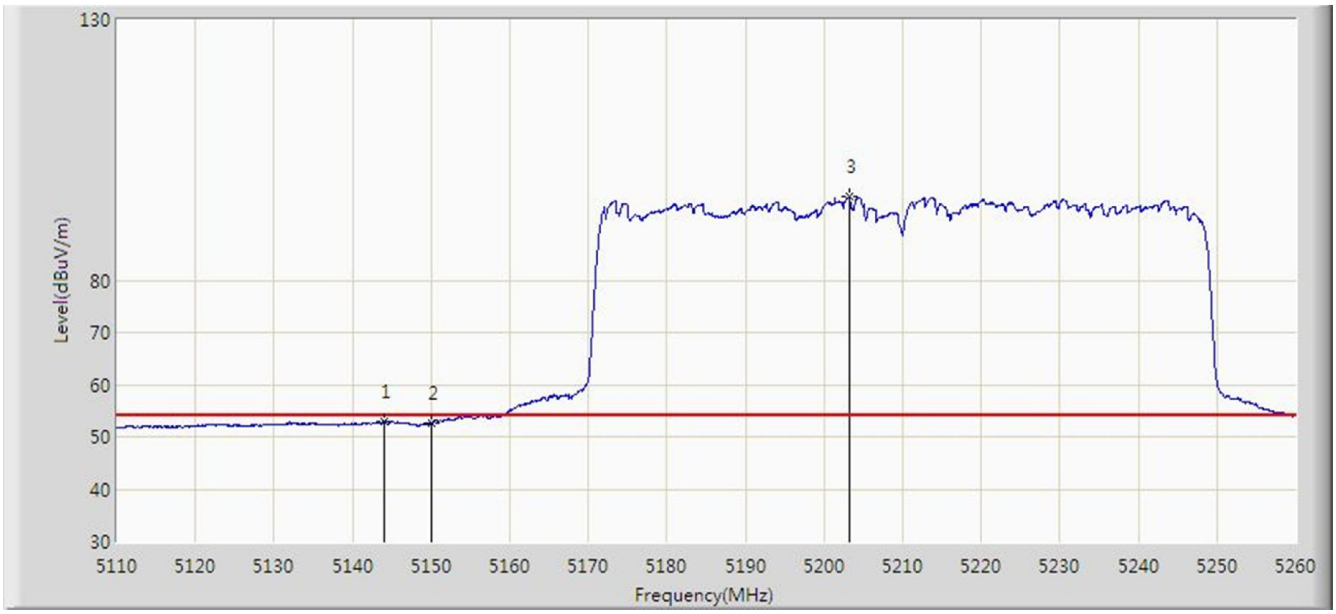


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	70.706	67.060	-3.294	74.000	3.646	PK
2		*	5203.150	109.740	106.060	N/A	N/A	3.681	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:16
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz (Beam-Forming Mode)	

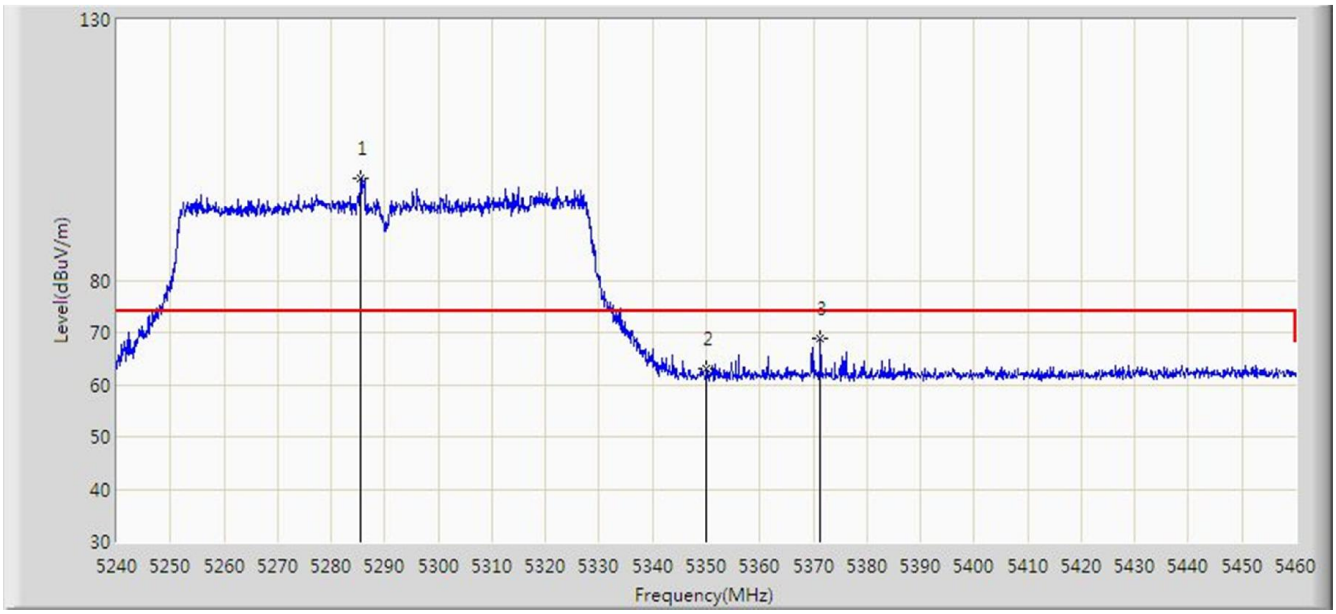


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.975	52.873	49.231	-1.127	54.000	3.643	AV
2			5150.000	52.600	48.954	-1.400	54.000	3.646	AV
3		*	5203.300	96.058	92.378	N/A	N/A	3.680	AV

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

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

Site: AC1	Time: 2019/10/30 - 22:23
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5290MHz (Beam-Forming Mode)	

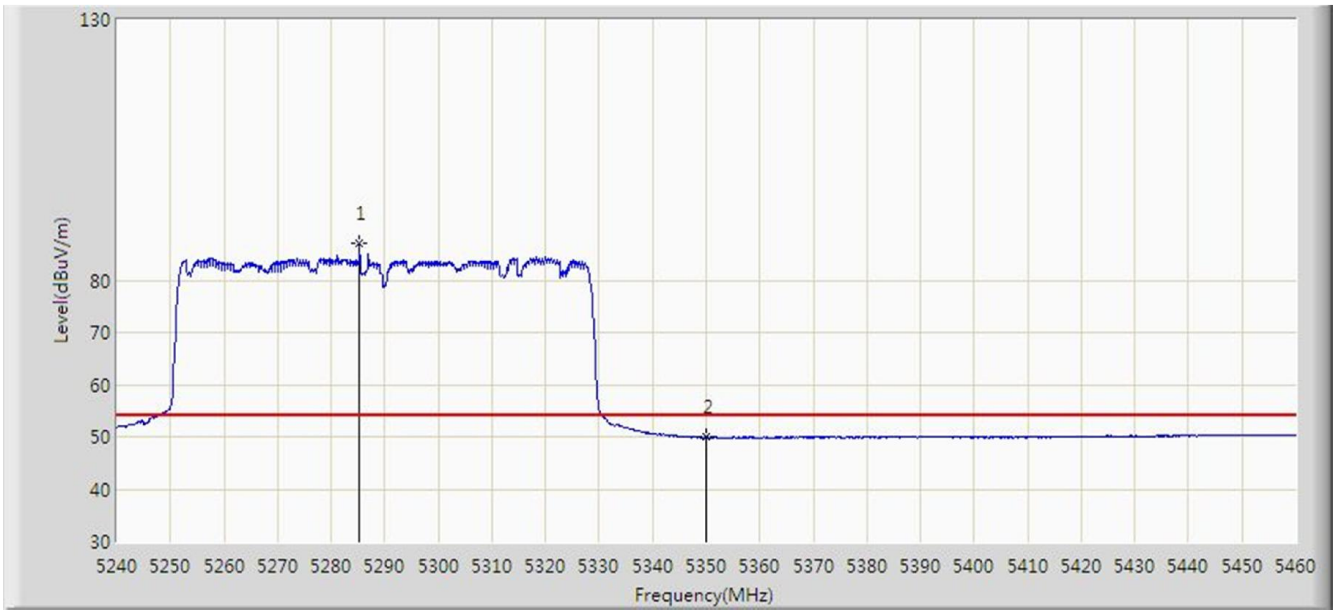


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5285.540	99.430	95.698	N/A	N/A	3.733	PK
2			5350.000	62.947	59.173	-11.053	74.000	3.774	PK
3			5371.340	68.767	64.979	-5.233	74.000	3.788	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:24
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5290MHz (Beam-Forming Mode)	

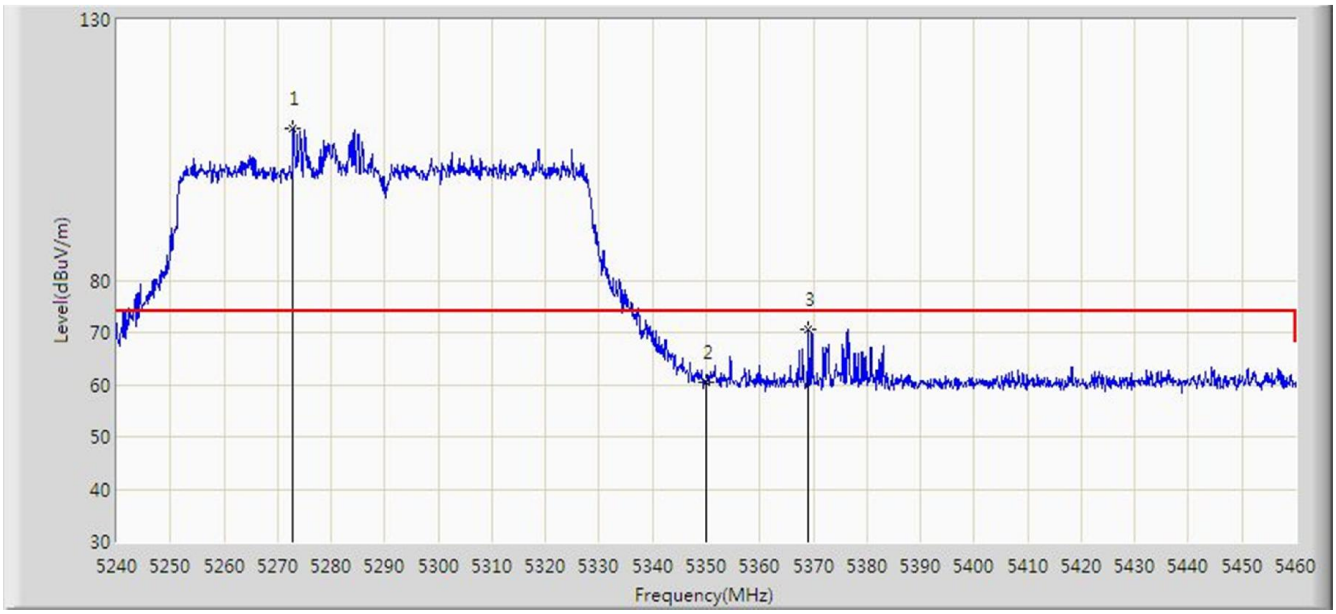


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5285.320	86.972	83.240	N/A	N/A	3.732	AV
2			5350.000	49.936	46.162	-4.064	54.000	3.774	AV

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

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

Site: AC1	Time: 2019/10/30 - 22:19
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5290MHz (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5272.890	109.091	105.367	N/A	N/A	3.723	PK
2			5350.000	60.548	56.774	-13.452	74.000	3.774	PK
3			5369.030	70.626	66.840	-3.374	74.000	3.786	PK

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

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

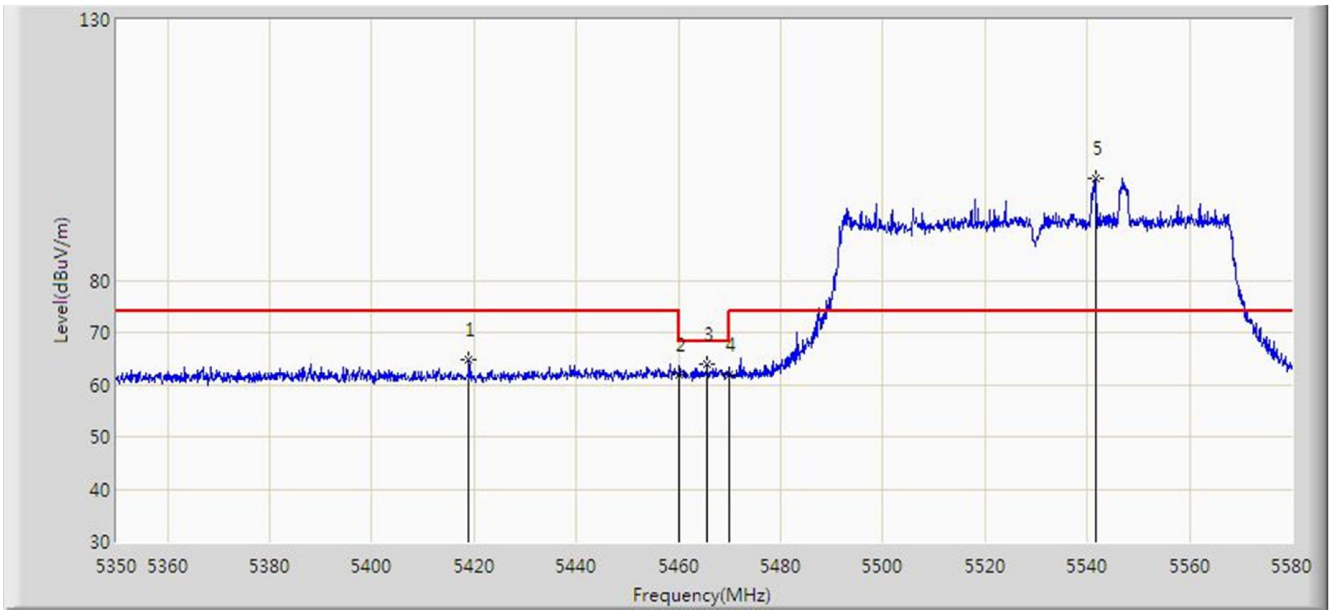
Site: AC1	Time: 2019/10/30 - 22:22
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5290MHz (Beam-Forming Mode)	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5283.340	94.067	90.336	N/A	N/A	3.732	AV
2			5350.000	51.095	47.321	-2.905	54.000	3.774	AV

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

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

Site: AC1	Time: 2019/10/30 - 22:29
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5530MHz (Beam-Forming Mode)	

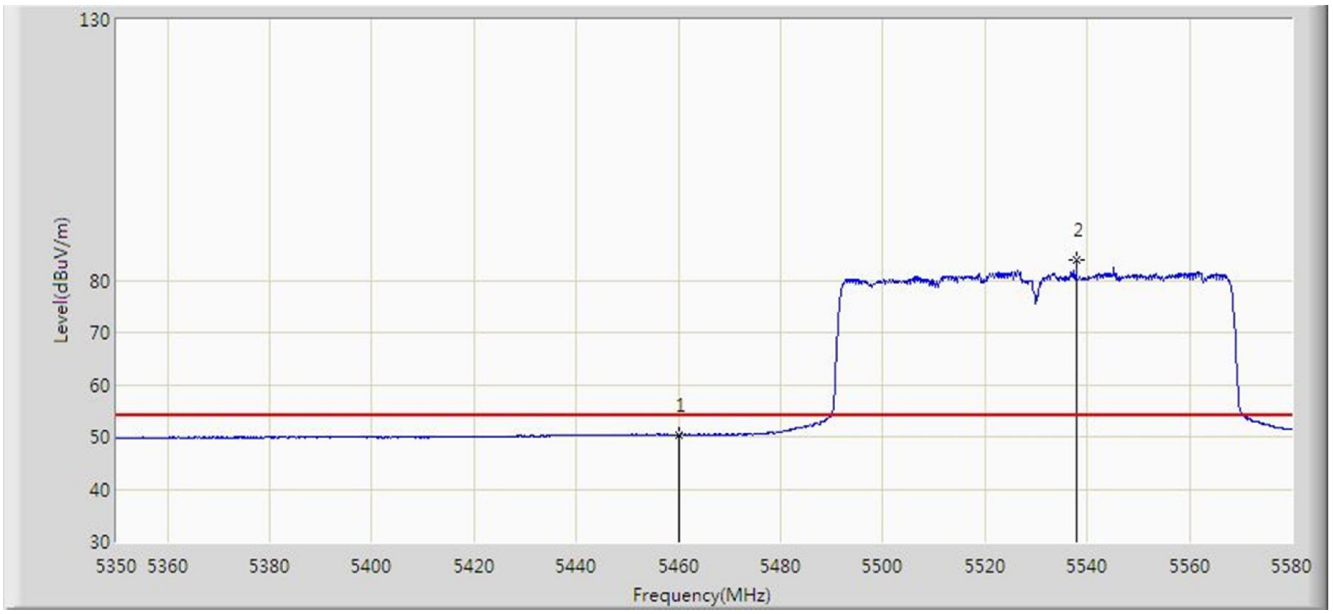


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5419.000	64.724	60.906	-9.276	74.000	3.818	PK
2			5460.000	61.783	57.939	-12.217	74.000	3.844	PK
3			5465.575	63.966	60.118	-4.234	68.200	3.847	PK
4			5470.000	62.014	58.163	-6.186	68.200	3.850	PK
5		*	5541.705	99.661	95.631	N/A	N/A	4.030	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:30
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5530MHz (Beam-Forming Mode)	

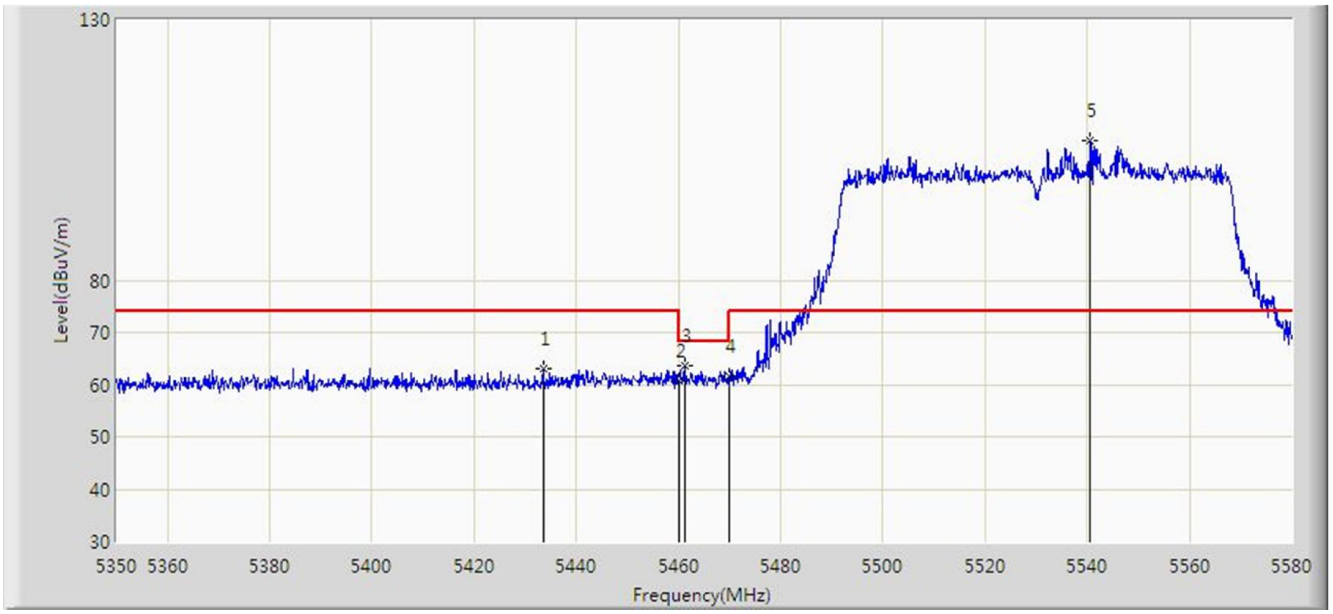


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.427	46.583	-3.573	54.000	3.844	AV
2		*	5537.910	83.808	79.792	N/A	N/A	4.016	AV

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

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

Site: AC1	Time: 2019/10/30 - 22:27
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5530MHz (Beam-Forming Mode)	

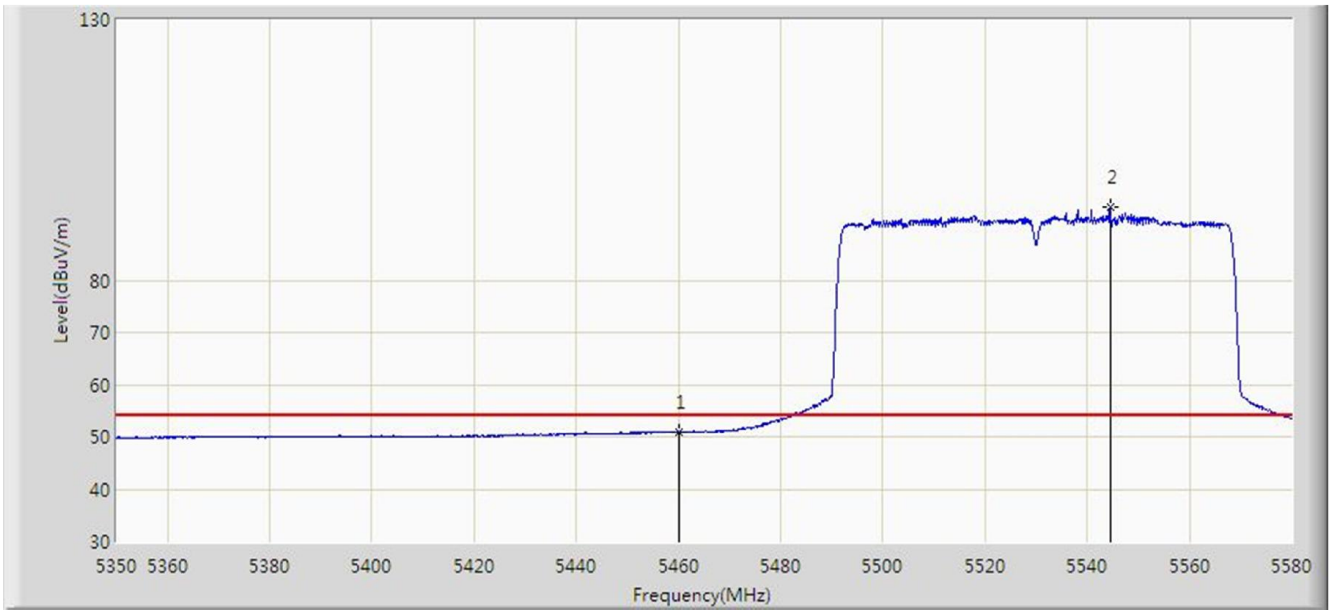


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5433.490	63.182	59.355	-10.818	74.000	3.827	PK
2			5460.000	60.586	56.742	-13.414	74.000	3.844	PK
3			5461.320	63.500	59.655	-4.700	68.200	3.845	PK
4			5470.000	61.659	57.808	-6.541	68.200	3.850	PK
5		*	5540.555	106.813	102.787	N/A	N/A	4.026	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:28
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5530MHz (Beam-Forming Mode)	

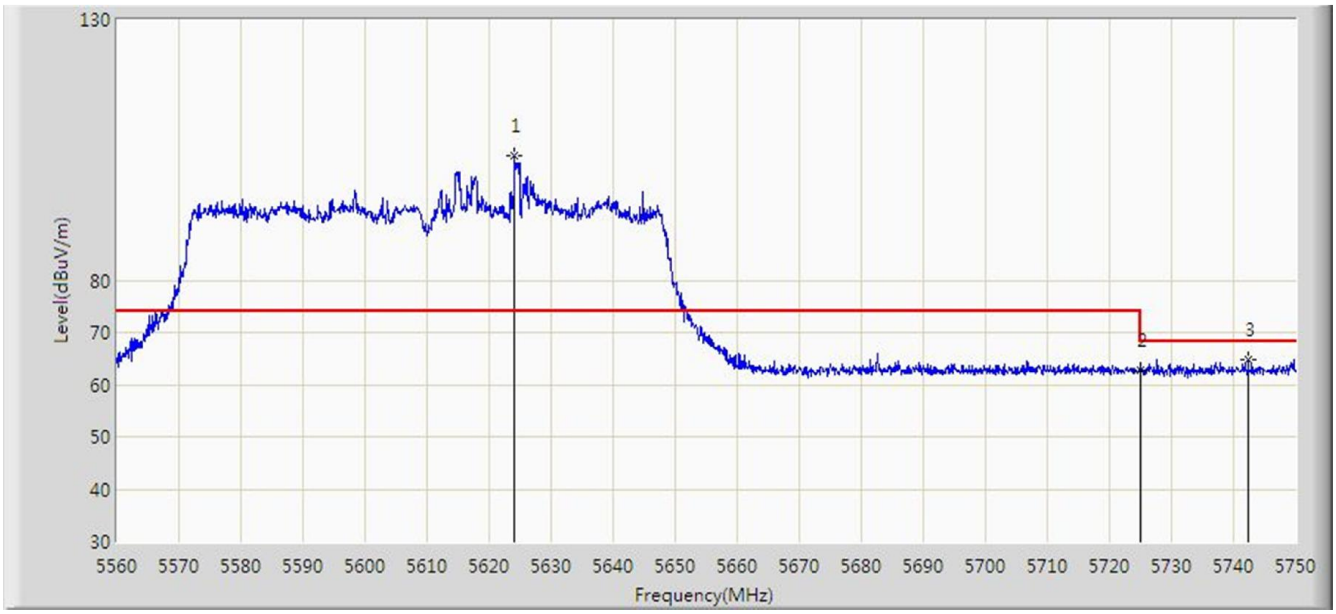


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.879	47.035	-3.121	54.000	3.844	AV
2		*	5544.465	94.061	90.020	N/A	N/A	4.040	AV

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

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

Site: AC1	Time: 2019/10/30 - 22:34
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5610MHz (Beam-Forming Mode)	

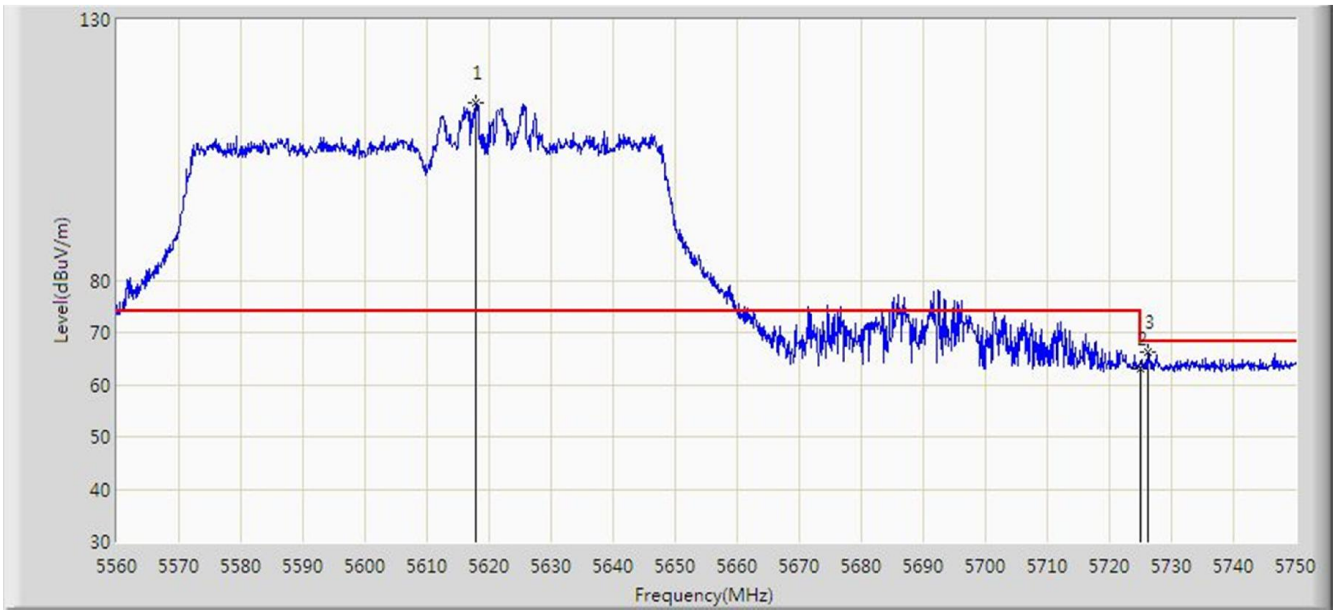


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5624.030	104.005	99.659	N/A	N/A	4.346	PK
2			5725.000	62.780	58.046	-5.420	68.200	4.734	PK
3			5742.400	64.640	59.839	-3.560	68.200	4.800	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:32
FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: TW BBHA 9120D_1-18GHz_2019	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5610MHz (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5617.760	114.081	109.759	N/A	N/A	4.322	PK
2			5725.000	63.140	58.406	-5.060	68.200	4.734	PK
3			5726.155	66.126	61.388	-2.074	68.200	4.738	PK

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

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