MEASUREMENT REPORT
(Class II Change)

FCC PART 15 Subpart E- WLAN 802.11a/n/ac

FCC ID:	IR5RK12
APPLICANT:	MilDef Crete Inc.
Application Type:	Certification
Product:	Intel® Dual Band Wireless-AC 8265
Model No.:	8265NGW
FCC Classification:	Unlicensed National Information Infrastructure (UNII)
FCC Rule Part(s):	Part 15 Subpart E (Section 15.407)
Test Procedure(s):	ANSI C63.10-2013, KDB 789033 D02v02r01, KDB 662911 D01v02r01
Test Date:	July 25 ~ August 30, 2018

Tested By : Peter Syu
(Peter Syu)

Reviewed By : Paddy Chen
(Paddy Chen)

Approved By : Chenz Ker
(Chenz Ker)

Testing Laboratory
3261

The test results only relate to the tested samples.
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.
The test report shall not be reproduced except in full without the written approval of MRT Technology (Taiwan) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
1807TW5601-U4	1.0	Original Report	2018-09-19	

CONTENTS

Description Page

§2.1033 General Information

Applicant	MilDef Crete Inc.
Applicant Address	7F, No. 250, Sec 3, Pei Shen Rd, Shen Keng District, New Taipei City, Taiwan (R.O.C.)
Manufacturer	MilDef Crete Inc.
Manufacturer Address	7F, No. 250, Sec 3, Pei Shen Rd, Shen Keng District, New Taipei City, Taiwan (R.O.C.)
Test Site	MRT Technology (Taiwan) Co., Ltd
Test Site Address	No. 38, Fuxing Second Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C)
MRT FCC Registration No.	291082
FCC Rule Part(s)	Part 15 Subpart E (Section 15.407)
Model No.:	8265NGW
Test Device Serial No.	N/A ☐ Production ☒ Pre-Production ☐ Engineering
FCC Classification	Unlicensed National Information Infrastructure (UNII)

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. 291082) test facility with the site description report on file and is designated by the FCC as an Accredited Test Film.**
- **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 Taiwan Accreditation Foundation (TAF Cert. No. 3261) in EMC, Telecommunications and Radio testing for FCC (Designation Number: TW3261), Industry Taiwan, EU and TELEC Rules.**

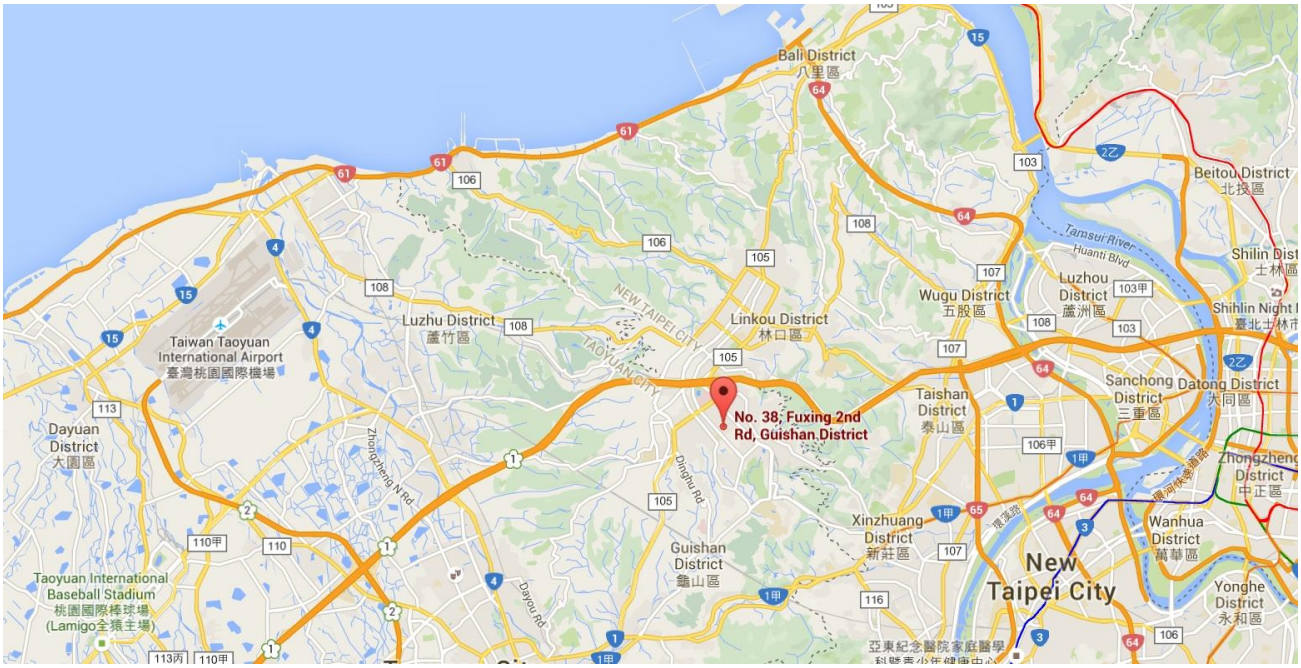
1. INTRODUCTION

1.1. Scope

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

1.2. MRT Test Location

The map below shows the location of the MRT LABORATORY, its proximity to the 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	Intel® Dual Band Wireless-AC 8265
Model No.	8265NGW
Supports Radios Spec.	WLAN: 2.4G: 802.11b/g/n-20/n-40; 5G: 802.11a/n-20/ac-20/n-40/ac-40/ac-80, Band 1,4 Bluetooth Dual Mode: V2.1+EDR/ V4.2 LE
Wi-Fi Specification	802.11a/b/g/n/ac
Frequency Range	**2.4GHz:** For 802.11b/g/n-HT20: 2412 ~ 2472 MHz For 802.11n-HT40: 2422 ~ 2462 MHz **5GHz:** For 802.11a/n-HT20/ac-VHT-20: 5180~5240MHz, 5745~5825MHz For 802.11n-HT40/ ac-VHT40: 5190~5230MHz, 5755~5795MHz For 802.11ac-VHT80: 5210MHz, 5775MHz
Maximum Output Power	802.11a: 20.14 dBm 802.11n-HT20: 22.02 dBm, 802.11n-HT40: 21.52 dBm, 802.11ac-VHT80: 18.22 dBm
Modulation Type	802.11a/n-20/ac-20/n-40/ac-40/ac-80: OFDM (BPSK, QPSK, 16QAM, 64QAM,256QAM)
Adapter	MRF: ADAPTER TECH. Model No: ATS090-P190 Input: AC 100-240V~1.2A, 50-60Hz Output: DC 19V, 4.74A DC Cable Output: Non-Shielding, 1.5m with Core*1

Note: This case is to update the motherboard, so the C2PC (Radiated Spurious Emission, Conducted Output Power, AC Conducted Emissions Measurement) is executed. (Original Grant Date: 2018/9/20, FCC ID: IR5RK12)

2.2. Operation Frequencies and Channel List

802.11 n-HT20/ ac-VHT20

Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz
48	5240 MHz	149	5745 MHz	153	5765 MHz
157	5785 MHz	161	5805 MHz	165	5825 MHz

802.11 n-HT40/ ac-VHT40

Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	151	5755 MHz
159	5795 MHz	--	--	--	--

802.11ac-VHT80

Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	155	5775 MHz	--	--

Duty Cycle

Test Mode	Duty Cycle
802.11a	99%
802.11 n-HT20	99%
802.11 n-HT40	99%
802.11ac-VHT80	99%

2.3. Test Mode

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

2.4. Test Software

The test utility software used during testing was “DRTU”.

2.5. Device Capabilities

This device contains the following capabilities:
2.4GHz WLAN (DTS) and 5GHz WLAN (NII).
Note: 5GHz (NII) operation is possible in 20MHz, 40MHz and 80MHz channel bandwidths. The maximum achievable duty cycles for all modes were determined based on measurements performed on a spectrum analyzer in zero-span mode with RBW = 8MHz, VBW = 50MHz, and detector = average per the guidance of Section B)2)b) of KDB 789033 D02v02r01. The RBW and VBW were both greater than 50/T, where T is the minimum transmission duration, and the number of sweep points across T was greater than 100. The duty cycles are as follows:

Test Mode	Duty Cycle
802.11a	99%
802.11n-HT20	99%
802.11n-HT40	99%
802.11ac-VHT80	99%

2.6. Test Configuration

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

2.7. EMI Suppression Device(s)/Modifications

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

2.8. Labeling Requirements

Per 2.1074 & 15.19; Docket 95-19
The label shall be permanently affixed at a conspicuous location on the device; instruction manual or pamphlet supplied to the user and be readily visible to the purchaser at the time of purchase. However, when the device is so small wherein placement of the label with specified statement is not practical, only the FCC ID must be displayed on the device per Section 15.19(a)(5). Please see attachment for FCC ID label and label location.

3. DESCRIPTION OF TEST

3.1. Evaluation Procedure

The measurement procedures described in the American National Standard for Testing Unlicensed Wireless Devices (ANSI C63.10-2013), and the guidance provided in KDB 789033 were used in the measurement of the **Intel® Dual Band Wireless-AC 8265.**

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

3.2. AC Line Conducted Emissions

The line-conducted facility is located inside an 9'x4'x3' shielded enclosure. A 1m x 2m wooden table 80cm high is placed 40cm away from the vertical wall and 80cm away from the sidewall of the shielded room. Two 10kHz-30MHz, 50Ω/50uH Line-Impedance Stabilization Networks (LISNs) are bonded to the shielded room floor. Power to the LISNs is filtered by external high-current high-insertion loss power line filters. These filters attenuate ambient signal noise from entering the measurement lines. These filters are also bonded to the shielded enclosure.

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

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

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

Line conducted emissions test results are shown in Section 7.10.

3.3. Radiated Emissions

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

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

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

4. ANTENNA REQUIREMENTS

Excerpt from §15.203 of the FCC Rules/Regulations:

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

- The antenna of the **Intel® Dual Band Wireless-AC 8265,** is permanently attached.
- There are no provisions for connection to an external antenna.

Conclusion:

The EUT unit complies with the requirement of §15.203.

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	Maoxun Computer Co., Ltd.	PK12	PIFA	1.27dBi

5. TEST EQUIPMENT CALIBRATION DATE

Conducted Emissions – SR2

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Two-Line V-Network	R&S	ENV216	MRTTWA00019	1 year	2019/3/20
Cable	Rosnol	N1C50-RG400-B 1C50-500CM	MRTTWE00013	1 year	2019/5/18
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2019/3/19

Radiated Emissions – AC1

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Broadband TRILOG Antenna	SCHWARZBECK	VULB 9162	MRTTWA00001	1 year	2019/5/22
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2019/3/19
Acitve Loop Antenna	Schwarzbeck	FMZB 1519B	MRTTWA00002	1 year	2019/4/24
Broadband Horn antenna	SCHWARZBECK	BBHA 9120D	MRTTWA00003	1 year	2019/4/24
Breitband Hornantenna	Schwarzbeck	BBHA 9170	MRTTWA00004	1 year	2019/4/23
Broadband Amplifier	Schwarzbeck	BBV 9721	MRTTWA00006	1 year	2019/4/23
Broadband Preamplifier	SCHWARZBECK	BBV 9718	MRTTWA00005	1 year	2019/4/23
Cable	HUBERSUHNER	SF106	MRTTWA00010	1 year	2019/5/18
Cable	Rosnol	K1K50-UP0264-K1K50-4M	MRTTWA00012	1 year	2019/7/30

Conducted Test Equipment – SR2

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Spectrum Analyzer	KEYSIGHT	N9010A	MRTTWA00012	1 year	2019/7/30
USB Wideband Power Sensor	KEYSIGHT	U2021XA	MRTTWA00015	1 year	2019/3/20

Test Software

Software	Version	Function
e3	9.160520a	EMI Test Software
EMI	V3	EMI Test Software

6. MEASUREMENT UNCERTAINTY

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

AC Conducted Emission Measurement – SR2
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 150kHz~30MHz: 2.42dB
Conducted Measurement– SR1
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 1.3dB
Radiated Emission Measurement – AC1
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): Horizontal: 9K~30MHz: 4.14dB 30MHz~1GHz: 4.22dB 1GHz~40GHz: 4.05dB Vertical: 9K~30MHz: 4.14dB 30MHz~1GHz: 3.37dB 1GHz~40GHz: 4.08dB

7. TEST RESULT

7.1. Summary

Company Name: **Intel® Dual Band Wireless-AC 8265**

Model No.: **8265NGW**

Data Rate(s) Tested: **6Mbps ~ 54Mbps (a);**
6.5/7.2Mbps ~ 130/144.4Mbps (n-HT20);
13.5/15.0Mbps ~ 270/300Mbps (n-HT40);
6.5/7.2Mbps ~ 156/173.4Mbps (ac-VHT20MHz);
13.5/15.0Mbps ~ 360/400Mbps (ac-VHT40MHz);
29.3/32.5Mbps ~ 780/866.6Mbps (ac-VHT80MHz)

FCC Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
15.407(a)	26dB Bandwidth	N/A	Conducted	N/A	Section 7.2
15.407(e)	6dB Bandwidth	≥ 500kHz		N/A	Section 7.3
15.407(a)(1)(i), (2), (3)	Maximum Conducted Output Power	Refer to Section 7.5		Pass	Section 7.5
15.407(h)(1)	Transmit Power Control	≤ 24 dBm		N/A	Section 7.6
15.407(a)(1)(i), (2), (3), (5)	Power Spectral Density	Refer to Section 7.7		N/A	Section 7.7
15.407(b)(1), (4)	Undesirable Emissions	≤ -27dBm/MHz EIRP ≤ -17dBm/MHz EIRP	Radiated	Pass	Section 7.8 & 7.9
15.205, 15.209 15.407(b)(5), (6), (7)	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Emissions in restricted bands must meet the radiated limits detailed in 15.209		Pass	
15.207	AC Conducted Emissions 150kHz - 30MHz	< FCC 15.207 limits	Line Conducted	Pass	Section 7.10

Notes:

1) All channels, modes, and modulations/data rates were investigated among all UNII bands. The test results shown in the following sections represent the worst case emissions.
2) The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.

7.2. 26dB Bandwidth Measurement

7.2.1. Test Limit

N/A

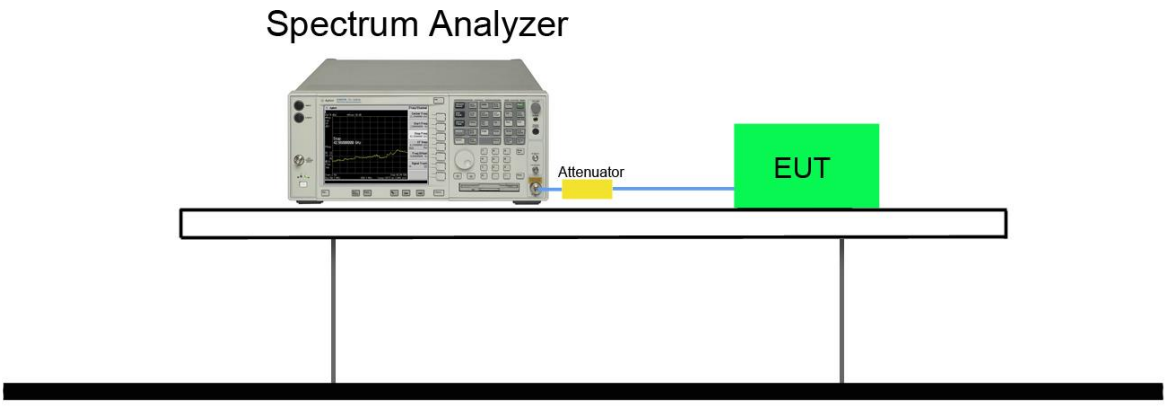
7.2.2. Test Procedure used

KDB 789033 D02v02r01 - Section C.1

7.2.3. Test Setting

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

7.2.4. Test Setup



7.2.5. Test Result

Note: Refer to Original Report, Grant Date: 2018/9/20, FCC ID: IR5RK12.

7.3. 6dB Bandwidth Measurement

7.3.1. Test Limit

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

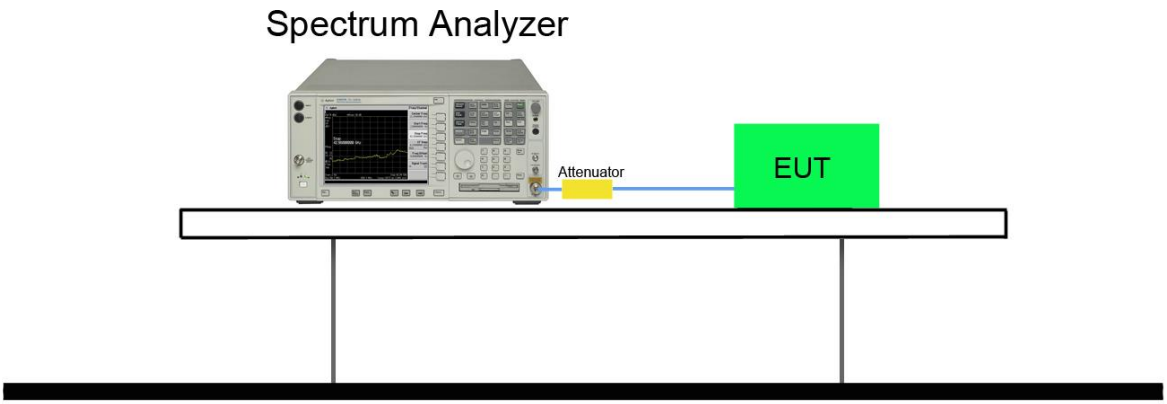
7.3.2. Test Procedure used

KDB 789033 D02v02r01 - Section C.2

7.3.3. Test Setting

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

7.3.4. Test Setup



7.3.5. Test Result

Note: Refer to Original Report, Grant Date: 2018/9/20, FCC ID: IR5RK12.

7.4. Operation Frequency Range of 26dBc Bandwidth Measurement

7.4.1.Test Limit

For transmitters operating in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27dBm/MHz e.i.r.p. However, any unwanted emissions that fall into the band 5250-5350 MHz must be 26 dBc, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth, above 5.25 GHz.

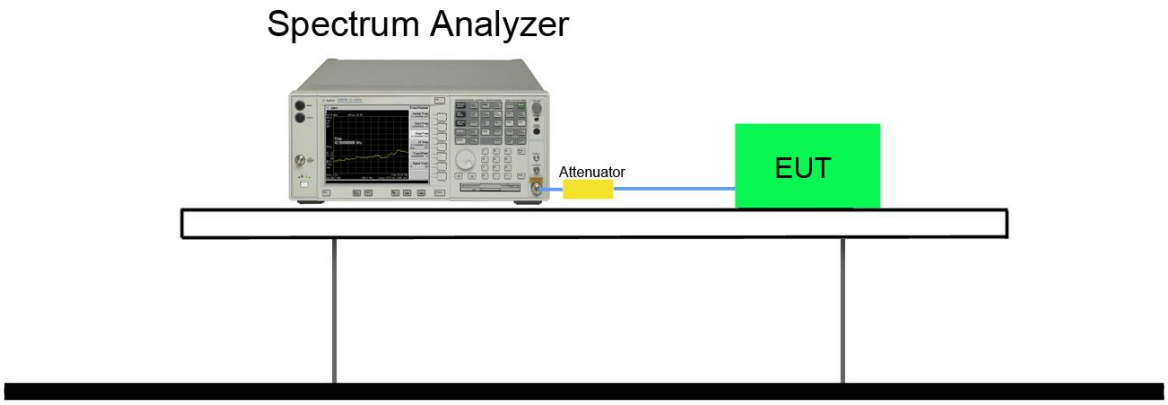
7.4.2.Test Procedure used

N/A

7.4.3.Test Setting

1. Set center frequency to the nominal EUT channel center frequency.
2. Span = 1.5 times to 5.0 times the OBW.
3. RBW = 1 % to 5 % of the OBW.
4. VBW ≥ 3 × RBW.
5. Detector = Peak.
6. Trace mode = max hold.
7. Allow the trace to stabilize and set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).
8. Determine the “−26 dB down amplitude” using [(reference value) − 26].
9. Using the marker function of the instrument to show 5250MHz frequency level.

7.4.4. Test Setup



7.4.5. Test Result

Note: Refer to Original Report, Grant Date: 2018/9/20, FCC ID: IR5RK12.

7.5. Output Power Measurement

7.5.1. Test Limit

For FCC Power Measurement Limit

For client operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 250mW.
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 (23.98dBm) or 11dBm +10 log (26dB BW).
For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm).

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

For IC Power Measurement Limit

For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW (23.01dBm) or 10 + 10*log10 B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power shall not exceed 250 mW (23.98dBm) or 11 + 10 log10 B, dBm, whichever power is less. The maximum e.i.r.p. shall not exceed 1.0 W (30dBm) or 17 + 10 log10 B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
For the 5.725-5.85 GHz band, the maximum conducted output power shall not exceed 1 W.
If transmitting antennas of directional gain greater than 6dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

EIRP Limit Calculation as below:

For 5150-5250MHz

802.11a: 10 + 10 $\log_{10}$ (16.81MHz) = 22.26dBm < 23.01dBm;

802.11n-HT20: 10 + 10 $\log_{10}$ (17.92MHz) = 22.53dBm < 23.01dBm;

802.11n-HT40/ ac-VHT80: 10 + 10 $\log_{10}$ B > 23.01dBm;

For 5250-5350MHz, 5470-5725MHz

802.11a: 17 + 10 $\log_{10}$ (16.79MHz) = 29.27dBm < 30dBm;

802.11n-HT20: 17 + 10 $\log_{10}$ (17.93MHz) = 29.54dBm < 30dBm;

802.11n-HT40/ac-VHT80: 10 + 10 $\log_{10}$ B > 30dBm;

Max Conducted Output Power Limit Calculation as below:

For 5250-5350MHz, 5470-5725MHz

802.11a: 11 + 10 log10 (16.79MHz) = 23.26dBm < 23.98dBm;

802.11n-HT20: 11 + 10 log10 (17.93MHz) = 23.53dBm < 23.98dBm;

802.11n-HT40/ac-VHT80: 11 + 10 log10 B > 23.98dBm;

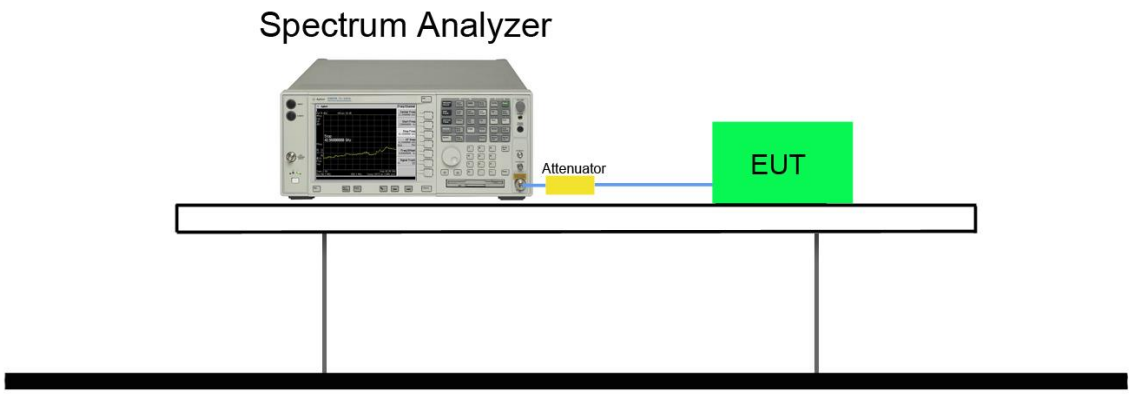
7.5.2. Test Procedure Used

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

7.5.3. Test Setting

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

7.5.4. Test Setup



7.5.5. Test Result

Product	Intel® Dual Band Wireless-AC 8265	Test Engineer	Peter
Test Site	SR2	Test Date	2018/8/30
Test Item	Output Power		

802.11a – Ant 0

Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Required Limit (dBm)
		6	9	12	18	24	36	48	54	
36	5180	17.22	--	--	--	--	--	--	--	≤ 24
44	5220	20.09	20.14	19.92	19.61	19.36	19.35	19.34	19.33	≤ 24
48	5240	19.88	--	--	--	--	--	--	--	≤ 24
149	5745	20.03	--	--	--	--	--	--	--	≤ 30
157	5785	19.94	19.86	19.80	19.58	19.31	19.29	19.25	19.24	≤ 30
165	5825	19.94	--	--	--	--	--	--	--	≤ 30

802.11a – Ant 1

Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Required Limit (dBm)
		6	9	12	18	24	36	48	54	
36	5180	16.79	--	--	--	--	--	--	--	≤ 24
44	5220	19.45	19.36	19.14	19.04	18.90	18.90	18.89	18.89	≤ 24
48	5240	19.61	--	--	--	--	--	--	--	≤ 24
149	5745	18.79	--	--	--	--	--	--	--	≤ 30
157	5785	19.02	19.02	19.01	19.01	19.01	19.01	19.00	19.00	≤ 30
165	5825	18.07	--	--	--	--	--	--	--	≤ 30

802.11n-20M SISO:

802.11n-20M – Ant 0									
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)							Required Limit (dBm)
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	
36	5180	17.44	--	--	--	--	--	--	--	≤ 24
44	5220	19.94	19.81	19.69	19.59	19.45	19.28	19.14	19.02	≤ 24
48	5240	19.90	--	--	--	--	--	--	--	≤ 24
149	5745	19.46	--	--	--	--	--	--	--	≤ 30
157	5785	19.68	19.49	19.28	19.20	19.15	19.02	18.97	18.85	≤ 30
165	5825	19.49	--	--	--	--	--	--	--	≤ 30

802.11n-20M – Ant 1									
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)							Required Limit (dBm)
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	
36	5180	16.88	--	--	--	--	--	--	--	≤ 24
44	5220	19.44	19.29	19.18	19.07	19.03	18.89	18.80	18.71	≤ 24
48	5240	19.95	--	--	--	--	--	--	--	≤ 24
149	5745	19.63	--	--	--	--	--	--	--	≤ 30
157	5785	19.76	19.59	19.42	19.33	19.21	19.15	19.05	18.95	≤ 30
165	5825	19.37	--	--	--	--	--	--	--	≤ 30

802.11n-20M MIMO:

802.11n-20M – Ant 0									
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)							Required Limit (dBm)
		MCS8	MCS9	MCS10	MCS11	MCS12	MCS13	MCS14	MCS15	
36	5180	15.21	--	--	--	--	--	--	--	≤ 24
44	5220	19.08	18.84	18.79	18.46	18.41	18.40	18.39	18.38	≤ 24
48	5240	17.22	--	--	--	--	--	--	--	≤ 24
149	5745	19.30	--	--	--	--	--	--	--	≤ 30
157	5785	19.22	19.14	19.04	18.91	18.75	18.73	18.69	18.67	≤ 30
165	5825	18.65	--	--	--	--	--	--	--	≤ 30

802.11n-20M – Ant 1									
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)							Required Limit (dBm)
		MCS8	MCS9	MCS10	MCS11	MCS12	MCS13	MCS14	MCS15	
36	5180	15.38	--	--	--	--	--	--	--	≤ 24
44	5220	18.63	18.35	18.14	17.94	17.66	17.65	17.64	17.63	≤ 24
48	5240	17.23	--	--	--	--	--	--	--	≤ 24
149	5745	17.00	--	--	--	--	--	--	--	≤ 30
157	5785	18.79	18.70	18.66	18.64	18.62	18.25	18.04	17.92	≤ 30
165	5825	18.49	--	--	--	--	--	--	--	≤ 30

802.11n-20M MIMO:

802.11n-20M – Ant 0 + 1										
Channel No.	**Frequency (MHz)**	**Average Power**								**Required Limit (dBm)**
		For different Data Rate (Mbps)								
		MCS8	MCS9	MCS10	MCS11	MCS12	MCS13	MCS14	MCS15	
36	5180	18.31	--	--	--	--	--	--	--	≤ 24
44	5220	21.87	21.62	21.49	21.22	21.07	21.06	21.05	21.04	≤ 24
48	5240	20.24	--	--	--	--	--	--	--	≤ 24
149	5745	21.31	--	--	--	--	--	--	--	≤ 30
157	5785	22.02	21.94	21.87	21.79	21.70	21.51	21.39	21.33	≤ 30
165	5825	21.58	--	--	--	--	--	--	--	≤ 30

802.11n-40M SISO:

802.11n-40M – Ant 0										
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Required Limit (dBm)
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	
38	5190	16.73	--	--	--	--	--	--	--	≤ 24
46	5230	19.68	19.49	19.32	19.25	19.12	18.93	18.81	18.78	≤ 24
151	5755	19.02	--	--	--	--	--	--	--	≤ 30
159	5795	19.89	19.72	19.61	19.55	19.44	19.28	19.11	19.03	≤ 30
802.11n-40M – Ant 1										
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Required Limit (dBm)
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	
38	5190	19.24	--	--	--	--	--	--	--	≤ 24
46	5230	19.68	19.52	19.44	19.31	19.23	19.96	19.88	19.75	≤ 24
151	5755	19.77	--	--	--	--	--	--	--	≤ 30
159	5795	19.85	19.67	19.51	19.34	19.28	19.17	19.99	19.82	≤ 30

802.11n-40M MIMO:

802.11n-40M – Ant 0									
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)							Required Limit (dBm)
		MCS8	MCS9	MCS10	MCS11	MCS12	MCS13	MCS14	MCS15	
38	5190	16.32	--	--	--	--	--	--	--	≤ 24
46	5230	17.58	17.47	17.36	17.32	17.25	17.04	17.03	17.02	≤ 24
151	5755	17.44	--	--	--	--	--	--	--	≤ 30
159	5795	18.72	18.46	18.40	18.34	18.27	18.04	17.94	17.89	≤ 30
802.11n-40M – Ant 1									
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)							Required Limit (dBm)
		MCS8	MCS9	MCS10	MCS11	MCS12	MCS13	MCS14	MCS15	
38	5190	16.18	--	--	--	--	--	--	--	≤ 24
46	5230	17.07	17.02	16.82	16.74	16.64	16.56	16.45	16.31	≤ 24
151	5755	17.04	--	--	--	--	--	--	--	≤ 30
159	5795	18.28	18.14	17.93	17.54	17.52	17.24	16.94	15.63	≤ 30
802.11n-40M – Ant 0 + 1									
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)							Required Limit (dBm)
		MCS8	MCS9	MCS10	MCS11	MCS12	MCS13	MCS14	MCS15	
38	5190	19.26	--	--	--	--	--	--	--	≤ 24
46	5230	20.35	20.26	20.11	20.05	19.97	19.82	19.76	19.69	≤ 24
151	5755	20.26	--	--	--	--	--	--	--	≤ 30
159	5795	21.52	21.32	21.19	20.97	20.93	20.67	20.48	19.92	≤ 30

802.11ac-80M SISO:

802.11ac-80M – Ant 0												
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)										Required Limit (dBm)
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	
42	5210	12.78	12.59	12.51	12.44	12.38	12.31	12.29	12.18	12.09	12.03	≤ 24
155	5775	17.72	17.61	17.57	17.39	17.31	17.27	17.19	17.10	17.01	16.89	≤ 30
802.11ac-80M – Ant 1												
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)										Required Limit (dBm)
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	
42	5210	12.11	12.07	11.94	11.89	11.82	11.71	11.58	11.52	11.45	11.31	≤ 24
155	5775	17.13	17.09	17.02	16.94	16.90	16.81	16.74	16.58	16.50	16.42	≤ 30

802.11ac-80M MIMO:

802.11ac-80M – Ant 0											
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)									Required Limit (dBm)
		2-MCS0	2-MCS1	2-MCS2	2-MCS3	2-MCS4	2-MCS5	2-MCS6	2-MCS7	2-MCS8	2-MCS9	
42	5210	9.21	9.04	9.01	8.85	8.80	8.65	8.56	8.47	8.28	8.27	≤ 24
155	5775	15.18	15.14	15.06	15.02	14.99	14.84	14.34	14.25	14.05	14.04	≤ 30
802.11ac-80M – Ant 1											
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)									Required Limit (dBm)
		2-MCS0	2-MCS1	2-MCS2	2-MCS3	2-MCS4	2-MCS5	2-MCS6	2-MCS7	2-MCS8	2-MCS9	
42	5210	8.99	8.92	8.55	8.47	8.41	8.35	8.04	8.03	7.96	7.91	≤ 24
155	5775	15.23	15.19	15.14	15.06	14.94	14.93	14.82	14.79	14.70	14.65	≤ 30
802.11ac-80M – Ant 0 + 1											
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)									Required Limit (dBm)
		2-MCS0	2-MCS1	2-MCS2	2-MCS3	2-MCS4	2-MCS5	2-MCS6	2-MCS7	2-MCS8	2-MCS9	
42	5210	12.12	11.99	11.80	11.68	11.62	11.52	11.32	11.27	11.14	11.11	≤ 24
155	5775	18.22	18.18	18.11	18.05	17.98	17.90	17.60	17.54	17.40	17.37	≤ 30

Note: Output power =Reading value on Spectrum Analyzer + duty cycle factor + cable loss。

For FCC Bands (UNII-1 & UNII-3)

Test Mode	Channel No.	Freq. (MHz)	Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Result
Ant 0								
11a	36	5180	17.18	17.224	≤ 24	17.624	≤ 36.00	Pass
11a	44	5220	20.05	20.094	≤ 24	20.494	≤ 36.00	Pass
11a	48	5240	19.84	19.884	≤ 24	20.284	≤ 36.00	Pass
11a	149	5745	19.99	20.034	≤ 30	21.304	≤ 36.00	Pass
11a	157	5785	19.90	19.944	≤ 30	21.214	≤ 36.00	Pass
11a	165	5825	19.90	19.944	≤ 30	21.214	≤ 36.00	Pass
Ant 1								
11a	36	5180	16.75	16.794	≤ 24	17.194	≤ 36.00	Pass
11a	44	5220	19.41	19.454	≤ 24	19.854	≤ 36.00	Pass
11a	48	5240	19.57	19.614	≤ 24	20.014	≤ 36.00	Pass
11a	149	5745	18.75	18.794	≤ 30	20.064	≤ 36.00	Pass
11a	157	5785	18.98	19.024	≤ 30	20.294	≤ 36.00	Pass
11a	165	5825	18.03	18.074	≤ 30	19.344	≤ 36.00	Pass

Test Mode	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Result
Ant 0 + 1									
11n-HT20	36	5180	15.17	15.34	18.310	≤ 24	18.710	≤ 36.00	Pass
11n-HT20	44	5220	19.04	18.59	21.875	≤ 24	22.275	≤ 36.00	Pass
11n-HT20	48	5240	17.18	17.19	20.239	≤ 24	20.639	≤ 36.00	Pass
11n-HT20	149	5745	19.26	16.96	21.314	≤ 30	22.584	≤ 36.00	Pass
11n-HT20	157	5785	19.18	18.75	22.024	≤ 30	23.294	≤ 36.00	Pass
11n-HT20	165	5825	18.61	18.45	21.585	≤ 30	22.855	≤ 36.00	Pass
11n-HT40	38	5190	10.32	10.09	13.260	≤ 24	13.660	≤ 36.00	Pass
11n-HT40	46	5230	17.54	17.03	20.346	≤ 24	20.746	≤ 36.00	Pass
11n-HT40	151	5755	17.40	17.00	20.259	≤ 30	21.529	≤ 36.00	Pass
11n-HT40	159	5795	18.68	18.24	21.520	≤ 30	22.790	≤ 36.00	Pass
11ac-VHT80	42	5210	9.17	8.95	12.115	≤ 24	12.515	≤ 36.00	Pass
11ac-VHT80	155	5775	15.14	15.19	18.219	≤ 30	19.489	≤ 36.00	Pass

7.6. Transmit Power Control

7.6.1. Test Limit

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

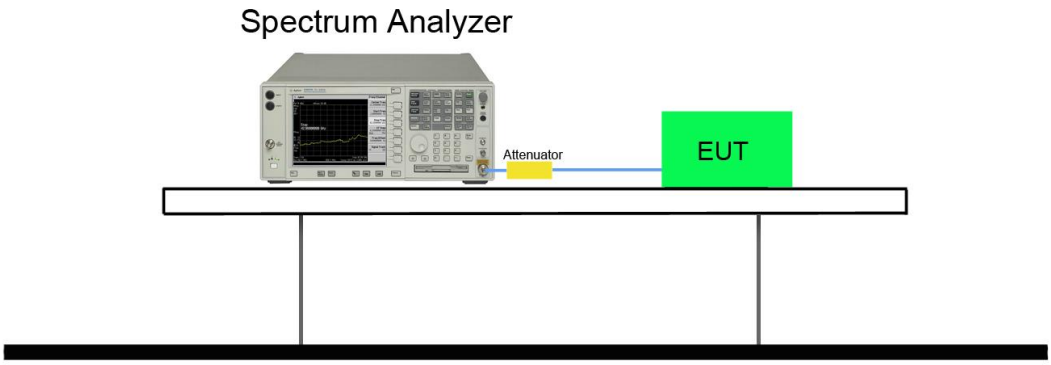
7.6.2. Test Procedure Used

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

7.6.3. Test Setting

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

7.6.4. Test Setup



7.6.5. Test Result

Note: Refer to Original Report, Grant Date: 2018/9/20, FCC ID: IR5RK12.

7.7. Power Spectral Density Measurement

7.7.1. Test Limit

For FCC Power Spectral Density Limit

For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.

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

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

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

For IC Power Spectral Density Limit

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

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

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

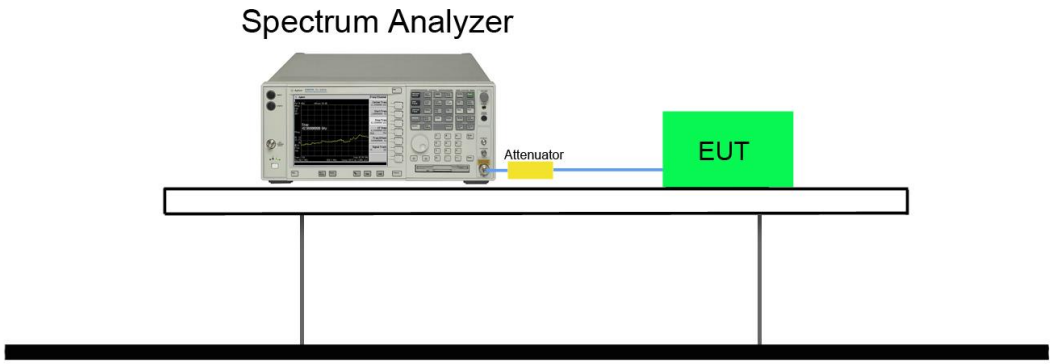
7.7.2. Test Procedure Used

KDB 789033 D02v02r01 - Section F

7.7.3. Test Setting

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

7.7.4. Test Setup



7.7.5. Test Result

Note: Refer to Original Report, Grant Date: 2018/9/20, FCC ID: IR5RK12.

7.8. Radiated Spurious Emission Measurement

7.8.1. Test Limit

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

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

7.8.2. Test Procedure Used

KDB 789033 D02v02r01 – Section G

7.8.3. Test Setting

Peak Measurements above 1GHz

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

Quasi-Peak Measurements below 1GHz

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

Average Measurements above 1GHz (Method AD)

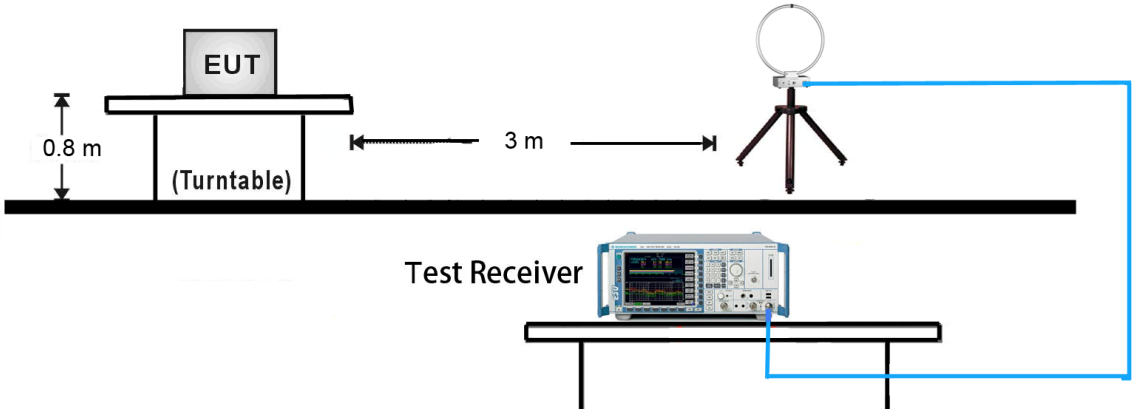
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (Average)
5. Number of measurement points = 1001 (Number of points must be > 2 x span/RBW)
6. Sweep time = auto
7. Trace was averaged over at 100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

Quasi-Peak & Average Measurements below 30MHz

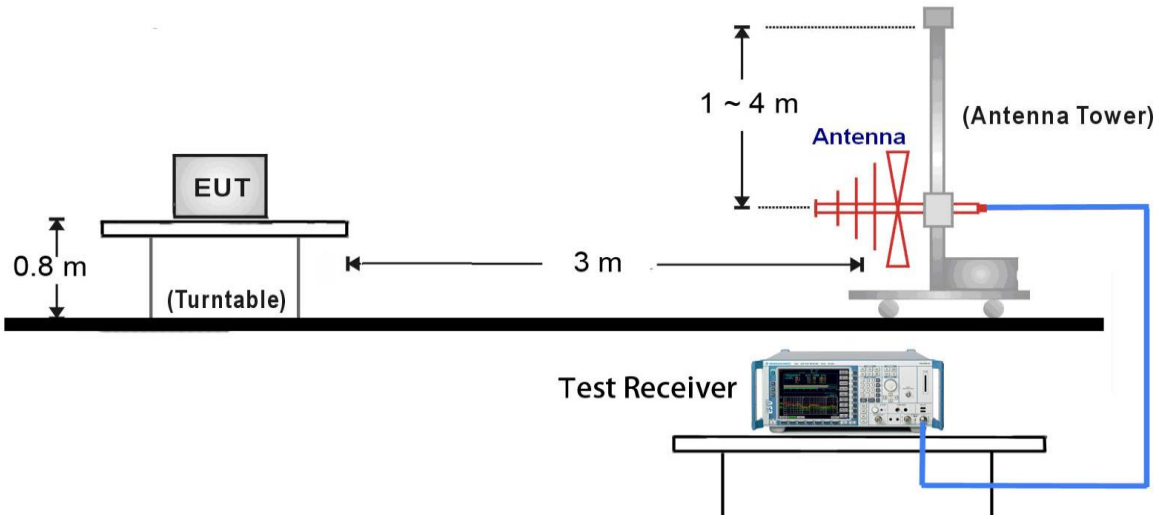
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = 200Hz for 9kHz to 150kHz frequency; RBW = 9kHz for 0.15MHz to 30MHz frequency
4. Detector = CISPR quasi-peak or power average (Average)
5. Sweep time = auto couple
6. Trace was allowed to stabilize

7.8.4. Test Setup

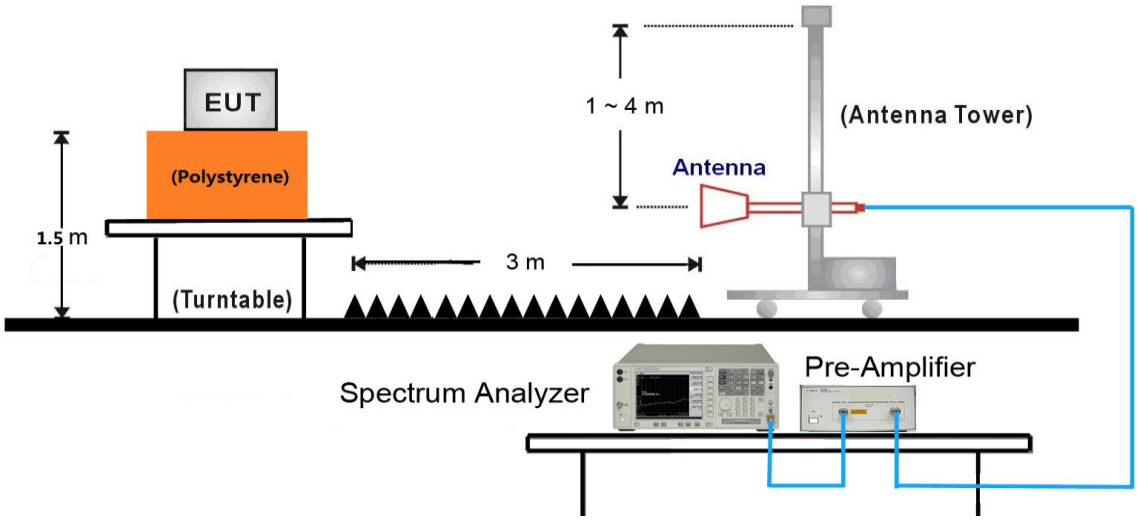
9kHz ~ 30MHz Test Setup:



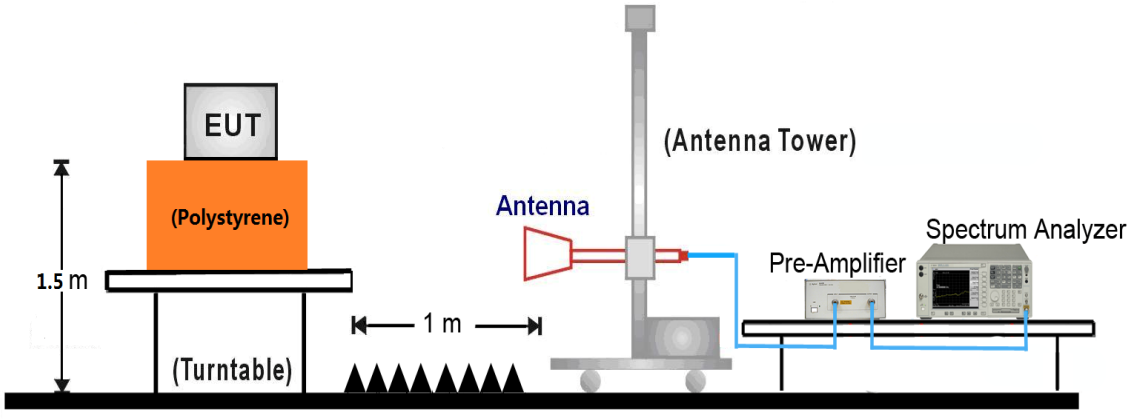
30MHz ~ 1GHz Test Setup:



1GHz ~18GHz Test Setup:

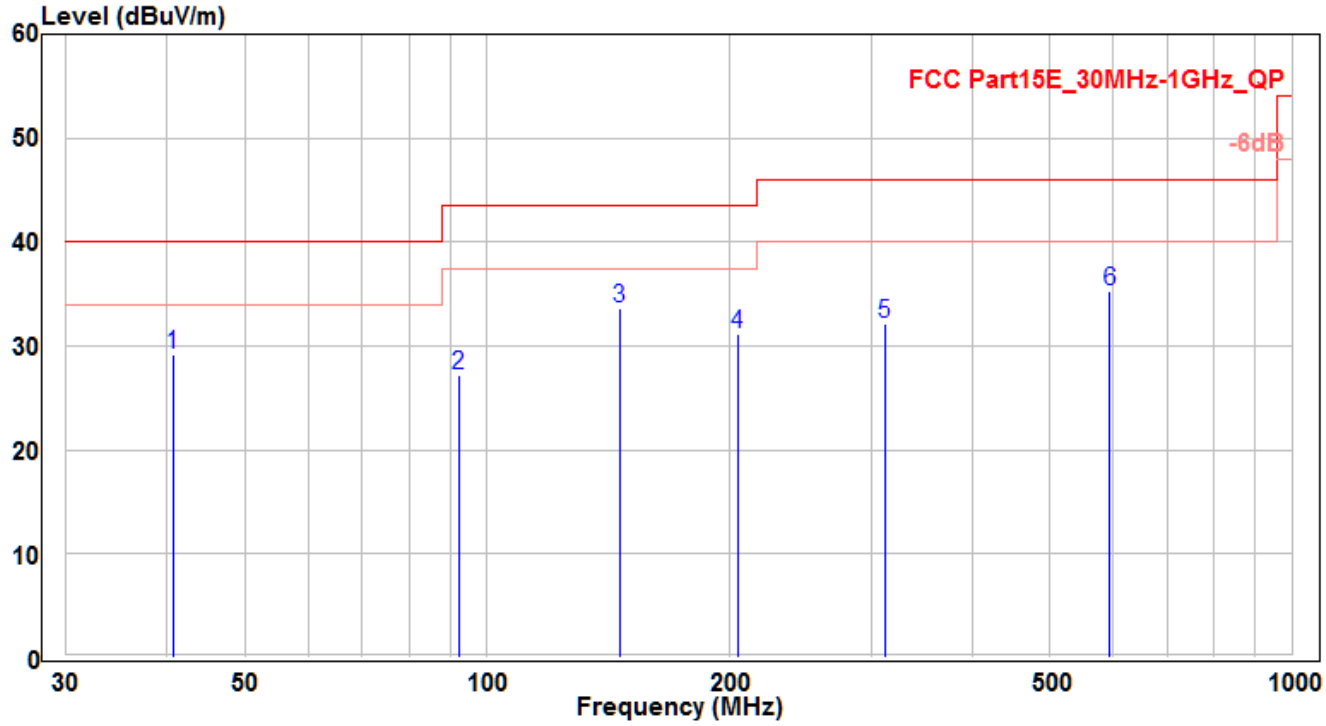


18GHz ~40GHz Test Setup:



7.8.5. Test Result

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/2
Factor	VULB 9162 (30MHz~8GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE2_CH44	Test Voltage	AC 120V/60Hz

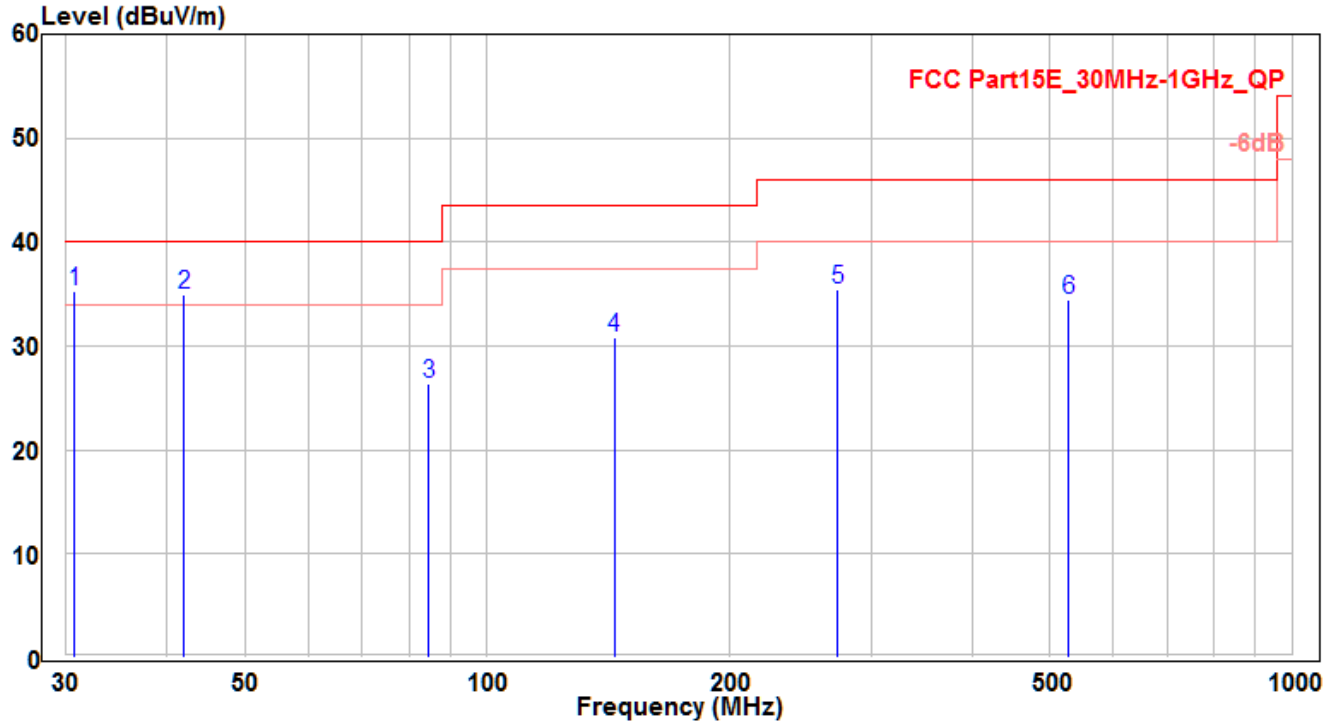


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		40.7	8.28	20.9	29.18	-10.82	40	150	280	QP
2		92.262	9.75	17.48	27.23	-16.27	43.5	115	240	QP
3	*	146.036	17.9	15.66	33.56	-9.94	43.5	130	260	QP
4		204.63	12.21	19.03	31.24	-12.26	43.5	190	225	QP
5		311.997	10.34	21.86	32.2	-13.8	46	250	-40	QP
6		593.994	7.8	27.47	35.27	-10.73	46	195	0	QP

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。
5. Other channel/mode was also verified. The test results shown represent the worst case emissions。
6. No emission found between lowest internal used/generated frequency to 30MHz。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/2
Factor	VULB 9162 (30MHz~8GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE2_CH44	Test Voltage	AC 120V/60Hz

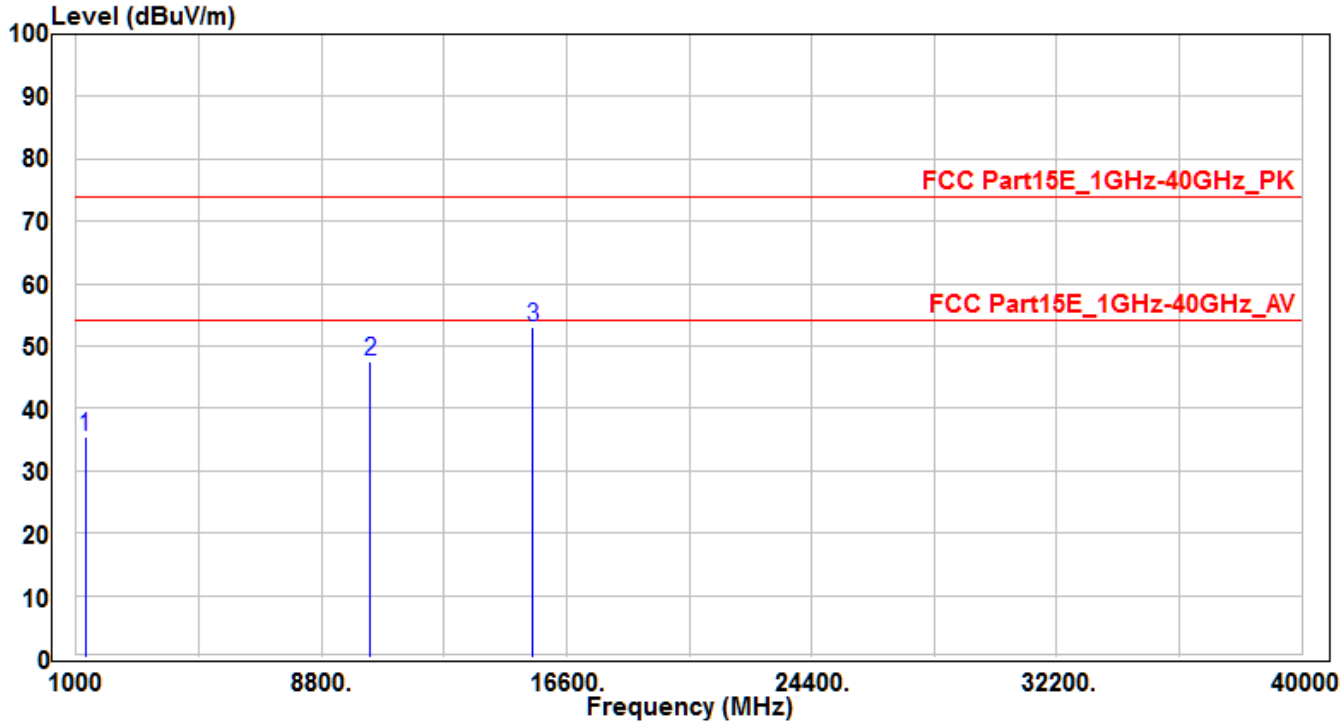


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	30.758	17.34	17.97	35.31	-4.69	40	150	125	QP
2		42.034	13.77	21.15	34.92	-5.08	40	175	140	QP
3		84.623	11.05	15.36	26.41	-13.59	40	150	185	QP
4		144.005	15.19	15.65	30.84	-12.66	43.5	115	190	QP
5		272.682	14.71	20.76	35.47	-10.53	46	160	320	QP
6		528.004	8.14	26.29	34.43	-11.57	46	100	120	QP

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。
5. Other channel/mode was also verified. The test results shown represent the worst case emissions。
6. No emission found between lowest internal used/generated frequency to 30MHz。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH36_Ant 0	Test Voltage	AC 120V/60Hz

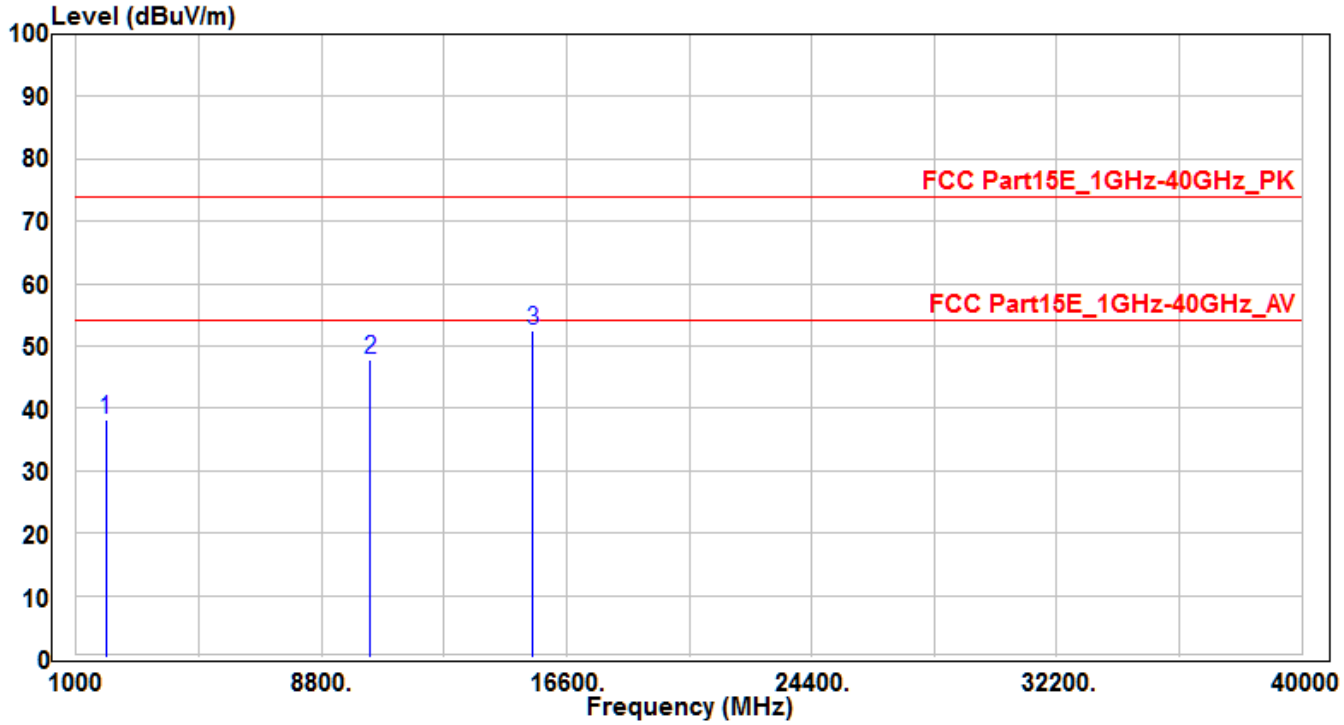


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1294.68	42.01	-6.42	35.59	-38.41	74	100	400	Peak
2		10360	30.29	17.34	47.63	-26.37	74	100	400	Peak
3	*	15540	31.17	21.82	52.99	-21.01	74	100	400	Peak

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH36_Ant 0	Test Voltage	AC 120V/60Hz

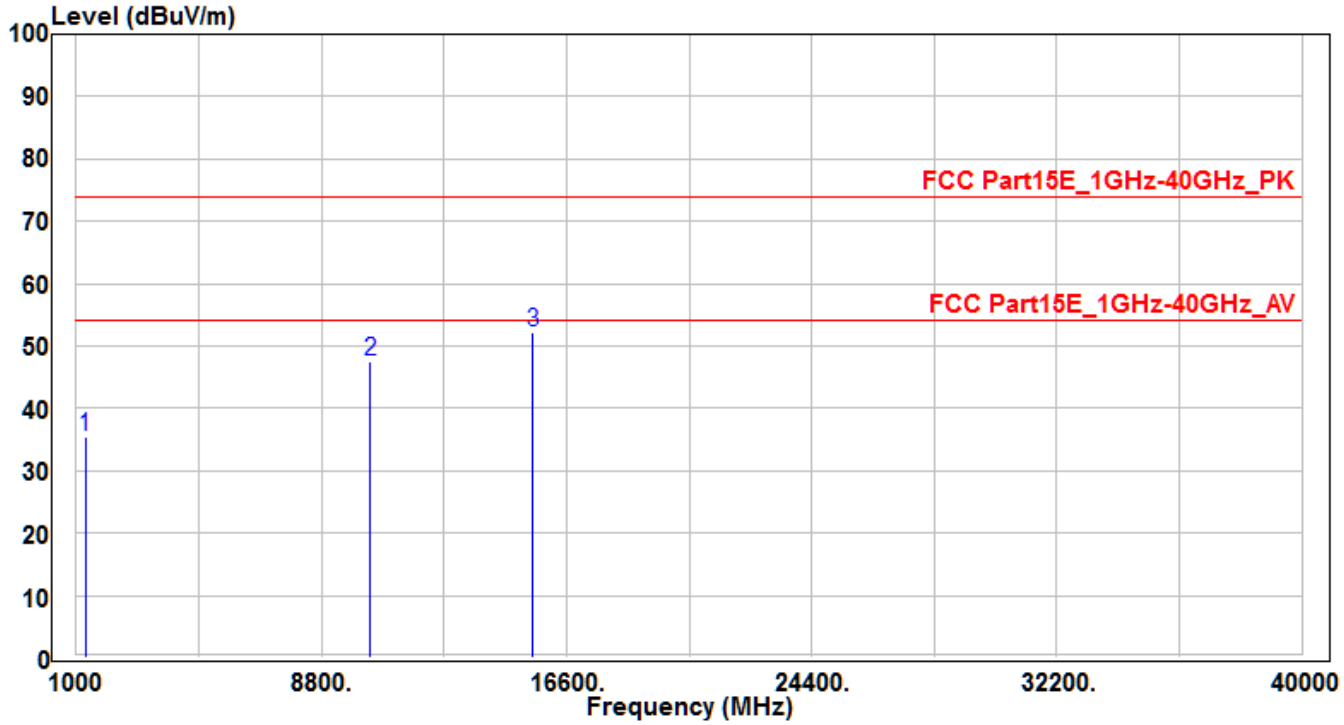


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1946.03	42.2	-4.09	38.11	-35.89	74	100	400	Peak
2		10360	30.4	17.34	47.74	-26.26	74	100	400	Peak
3	*	15540	30.73	21.82	52.55	-21.45	74	100	400	Peak

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH36_Ant 1	Test Voltage	AC 120V/60Hz

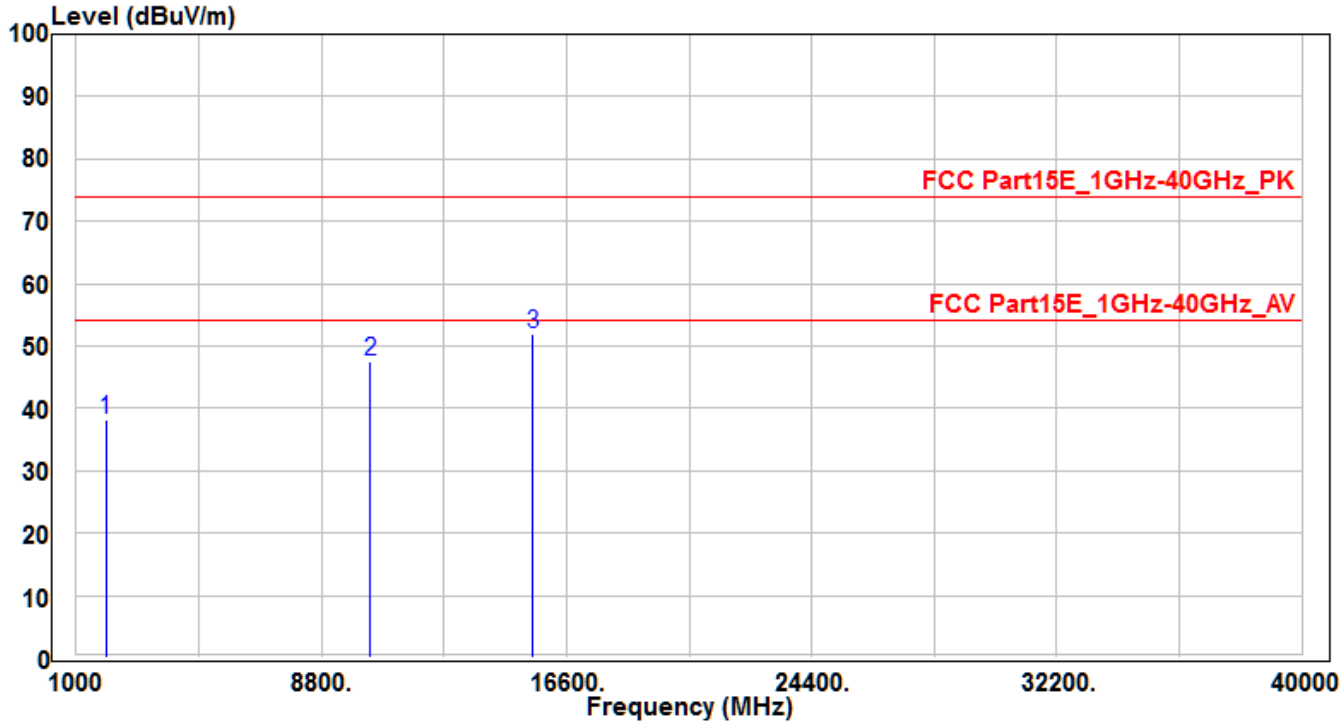


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1302.56	41.95	-6.38	35.57	-38.43	74	100	400	Peak
2		10360	30.17	17.34	47.51	-26.49	74	100	400	Peak
3	*	15540	30.5	21.82	52.32	-21.68	74	100	400	Peak

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH36_Ant 1	Test Voltage	AC 120V/60Hz

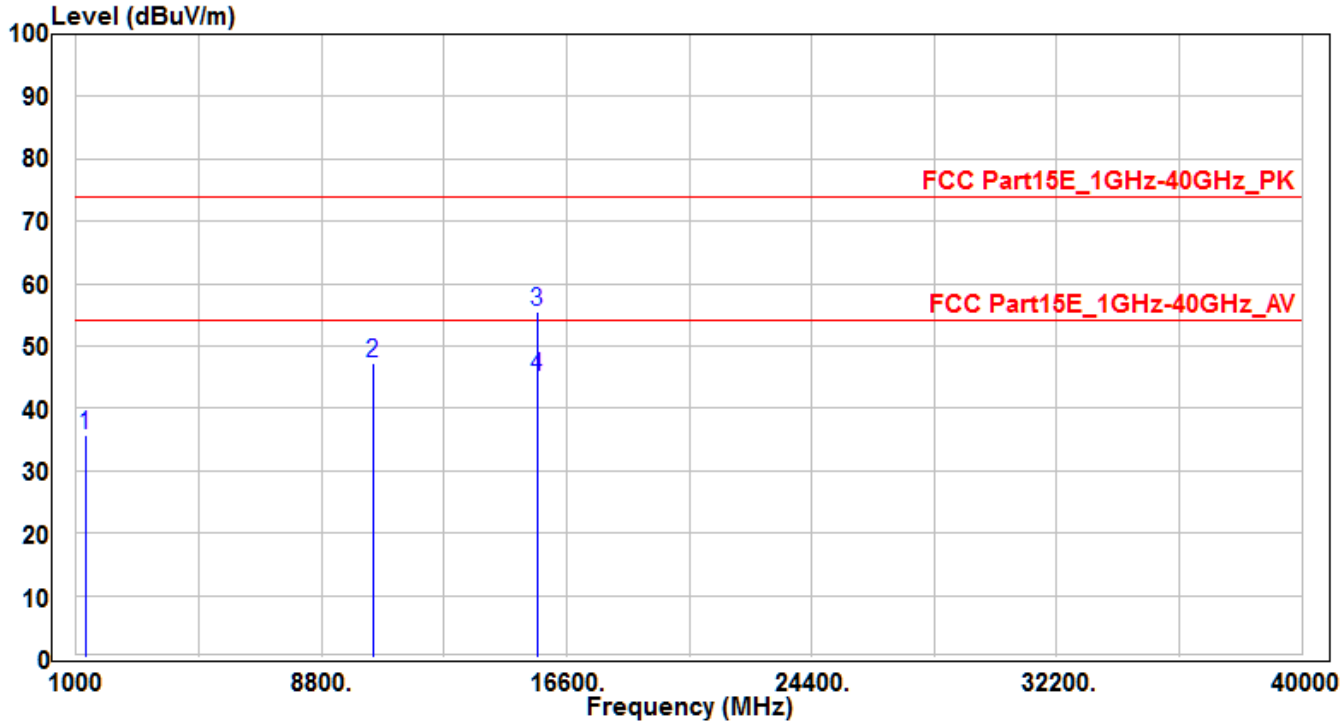


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1932.78	42.36	-4.12	38.24	-35.76	74	100	400	Peak
2		10360	30.22	17.34	47.56	-26.44	74	100	400	Peak
3	*	15540	30.24	21.82	52.06	-21.94	74	100	400	Peak

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH44_Ant 0	Test Voltage	AC 120V/60Hz

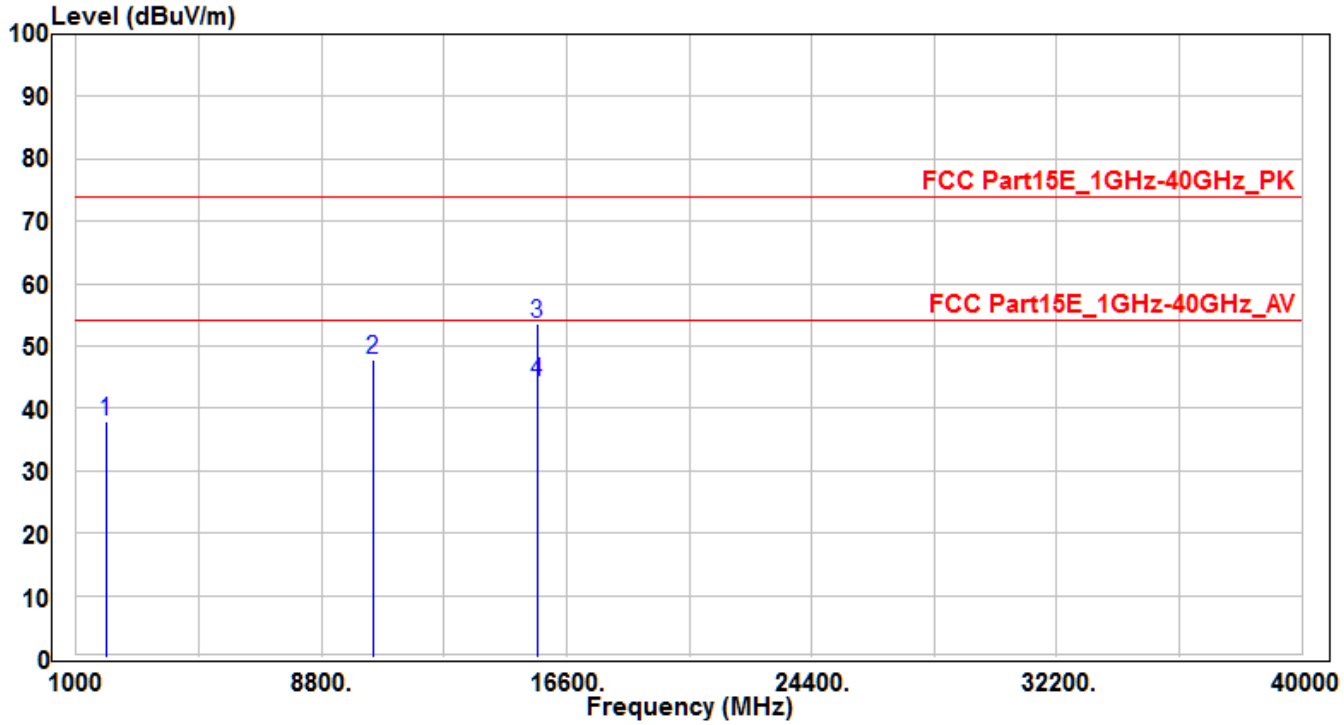


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1285.21	42.19	-6.47	35.72	-38.28	74	100	400	Peak
2		10440	29.6	17.71	47.31	-26.69	74	100	400	Peak
3	*	15660	34.07	21.39	55.46	-18.54	74	145	295	Peak
4	*	15660	23.67	21.39	45.06	-8.94	54	145	295	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH44_Ant 0	Test Voltage	AC 120V/60Hz

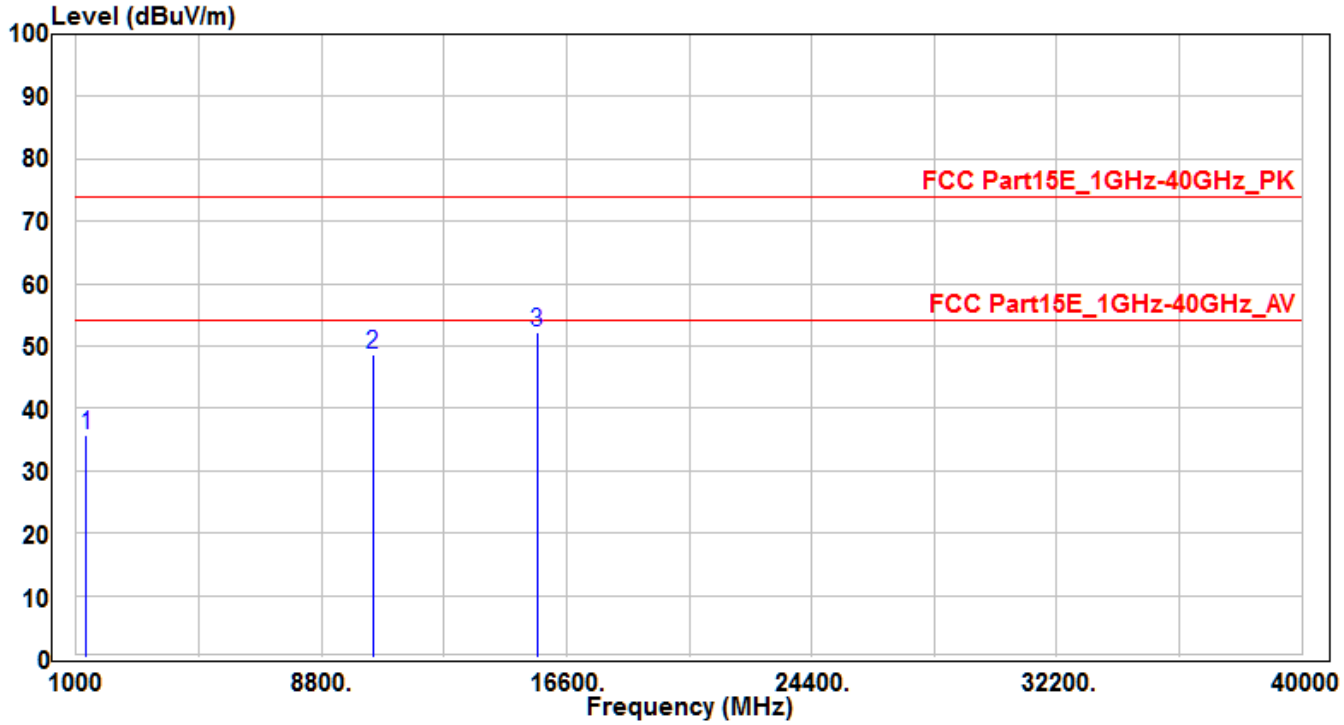


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1953.86	41.96	-4.06	37.9	-36.1	74	100	400	Peak
2		10440	29.99	17.71	47.7	-26.3	74	100	400	Peak
3	*	15660	32.21	21.39	53.6	-20.4	74	225	385	Peak
4	*	15660	22.97	21.39	44.36	-9.64	54	225	385	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH44_Ant 1	Test Voltage	AC 120V/60Hz

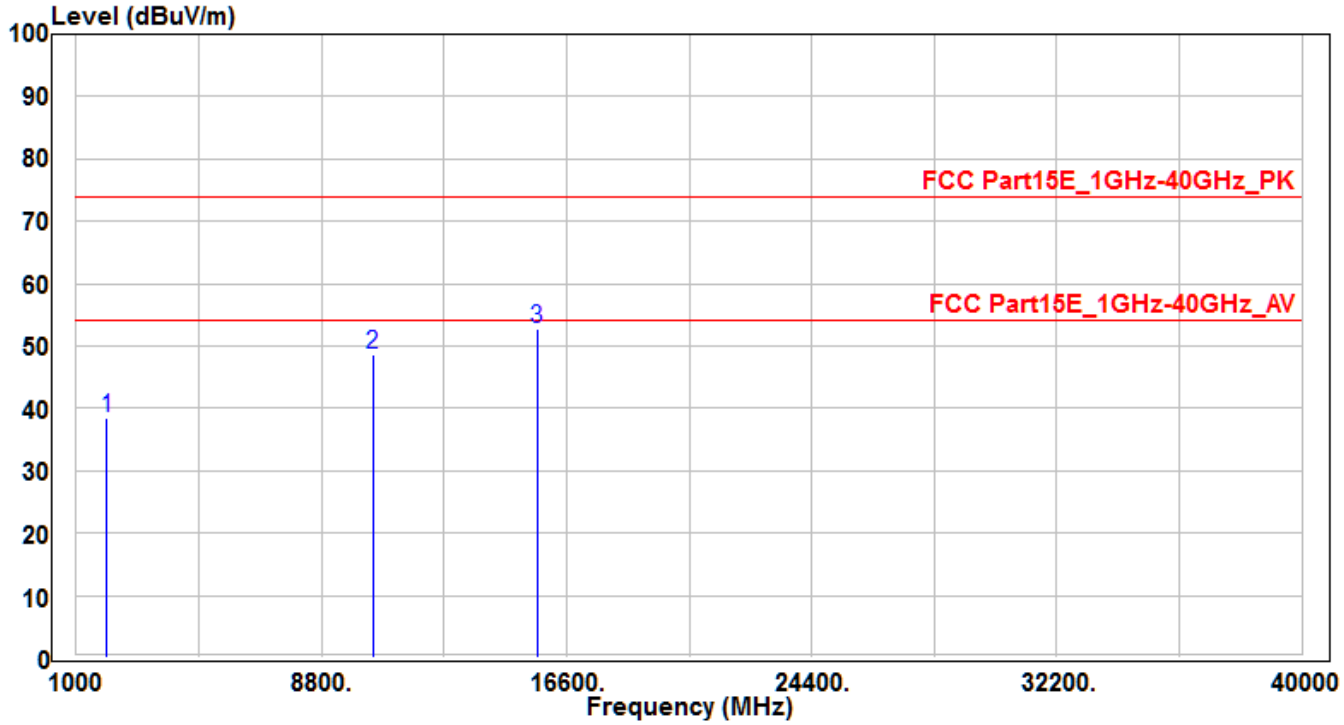


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1324.77	42.12	-6.28	35.84	-38.16	74	100	400	Peak
2		10440	30.94	17.71	48.65	-25.35	74	100	400	Peak
3	*	15660	30.76	21.39	52.15	-21.85	74	100	400	Peak

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH44_Ant 1	Test Voltage	AC 120V/60Hz

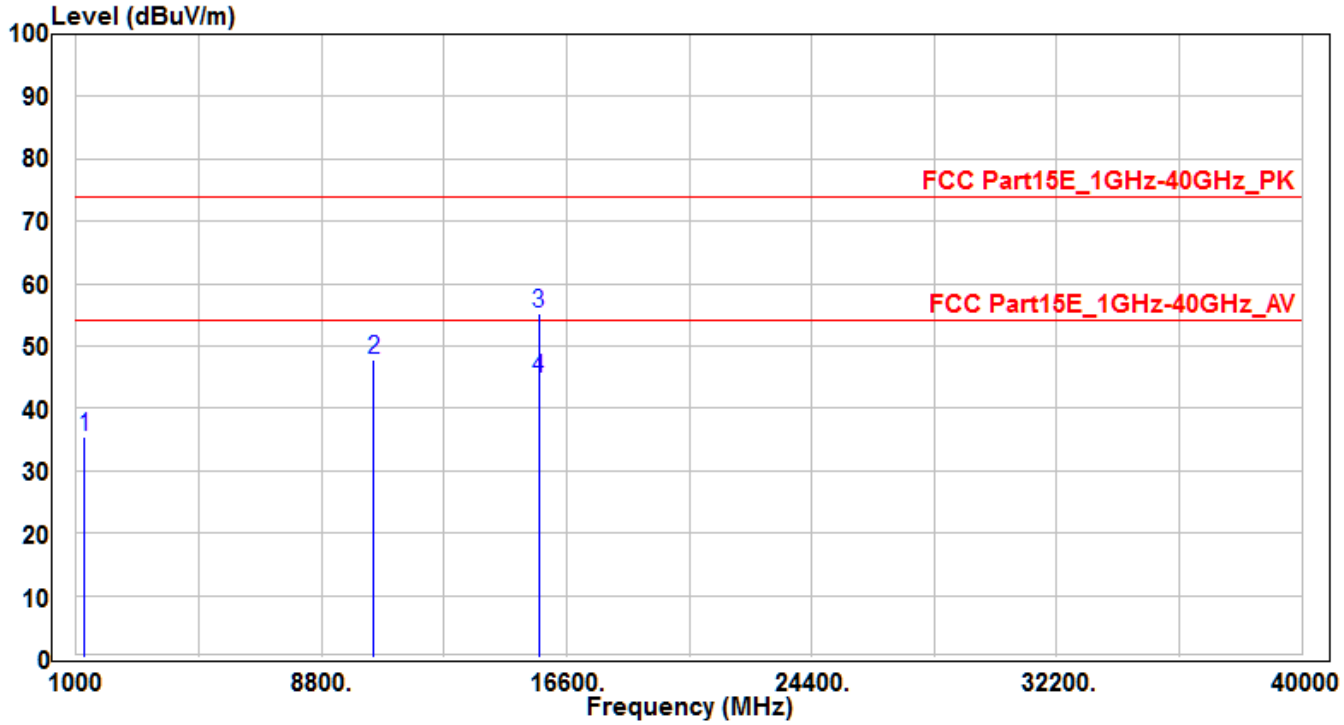


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1961.54	42.52	-4.04	38.48	-35.52	74	100	400	Peak
2		10440	31.05	17.71	48.76	-25.24	74	100	400	Peak
3	*	15660	31.27	21.39	52.66	-21.34	74	100	400	Peak

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH48_Ant 0	Test Voltage	AC 120V/60Hz

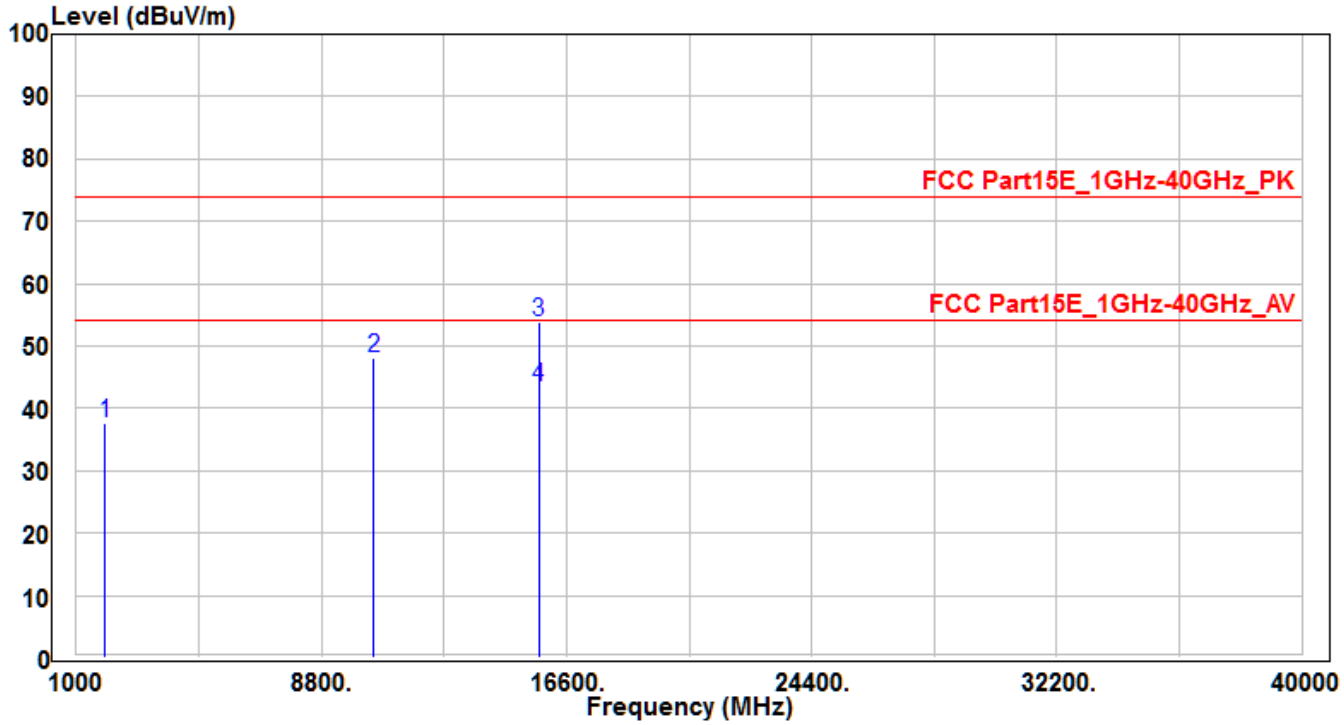


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1276.4	41.83	-6.51	35.32	-38.68	74	100	400	Peak
2		10480	29.8	17.88	47.68	-26.32	74	100	400	Peak
3	*	15720	33.92	21.18	55.1	-18.9	74	110	290	Peak
4	*	15720	23.61	21.18	44.79	-9.21	54	110	290	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH48_Ant 0	Test Voltage	AC 120V/60Hz

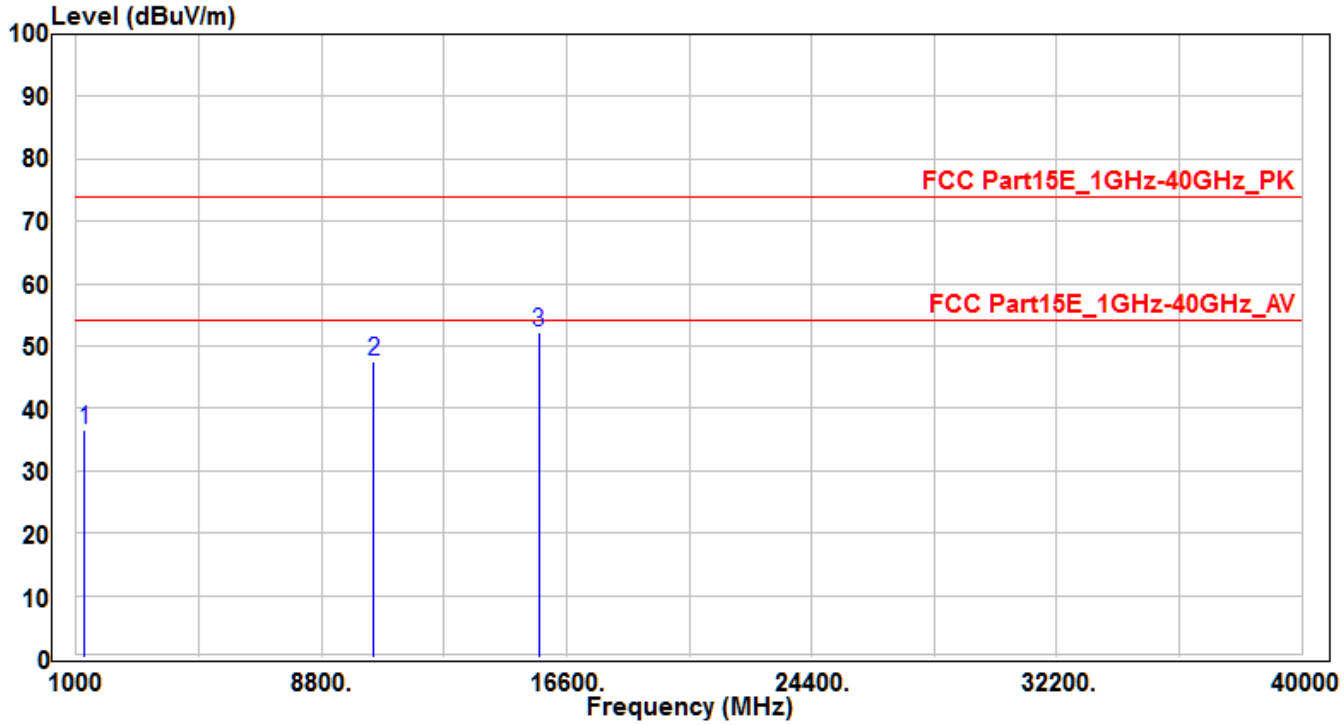


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1912.45	41.76	-4.19	37.57	-36.43	74	100	400	Peak
2		10480	30.11	17.88	47.99	-26.01	74	100	400	Peak
3	*	15720	32.77	21.18	53.95	-20.05	74	210	390	Peak
4	*	15720	22.36	21.18	43.54	-10.46	54	210	390	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH48_Ant 1	Test Voltage	AC 120V/60Hz

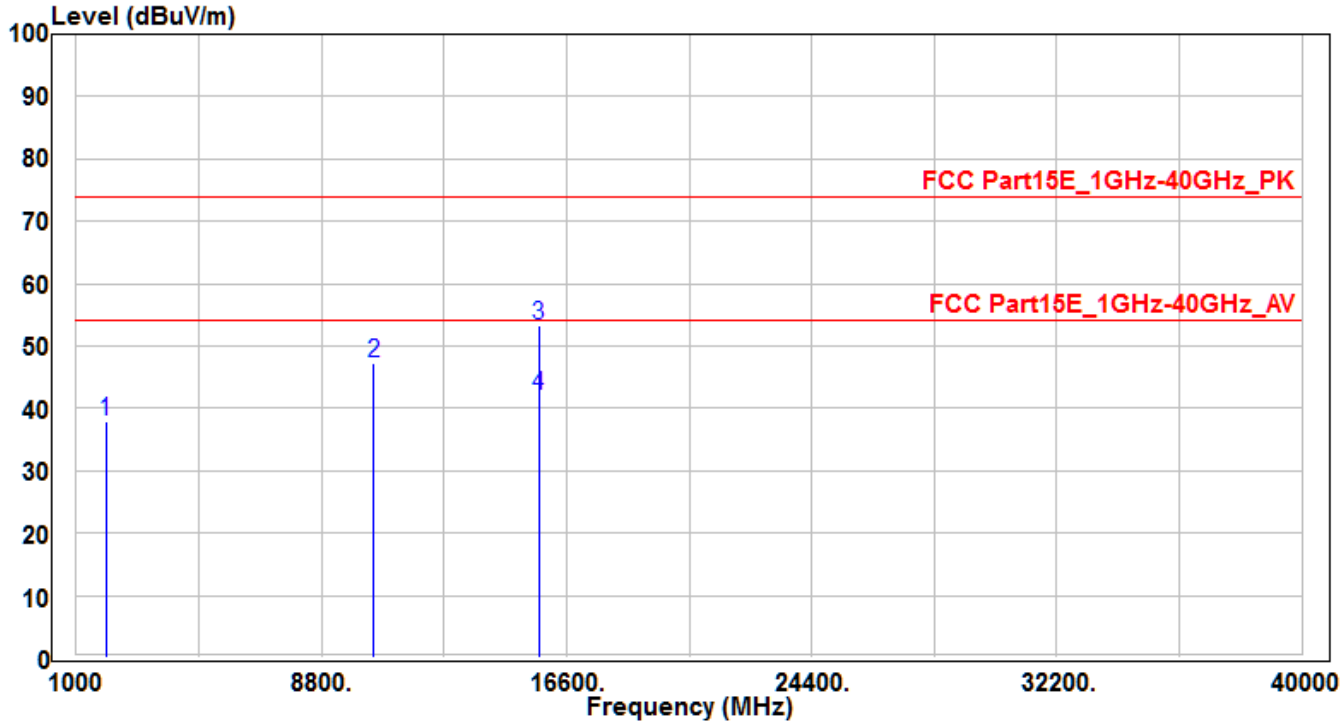


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1270.42	42.96	-6.54	36.42	-37.58	74	100	400	Peak
2		10480	29.65	17.88	47.53	-26.47	74	100	400	Peak
3	*	15720	30.91	21.18	52.09	-21.91	74	100	400	Peak

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH48_Ant 1	Test Voltage	AC 120V/60Hz

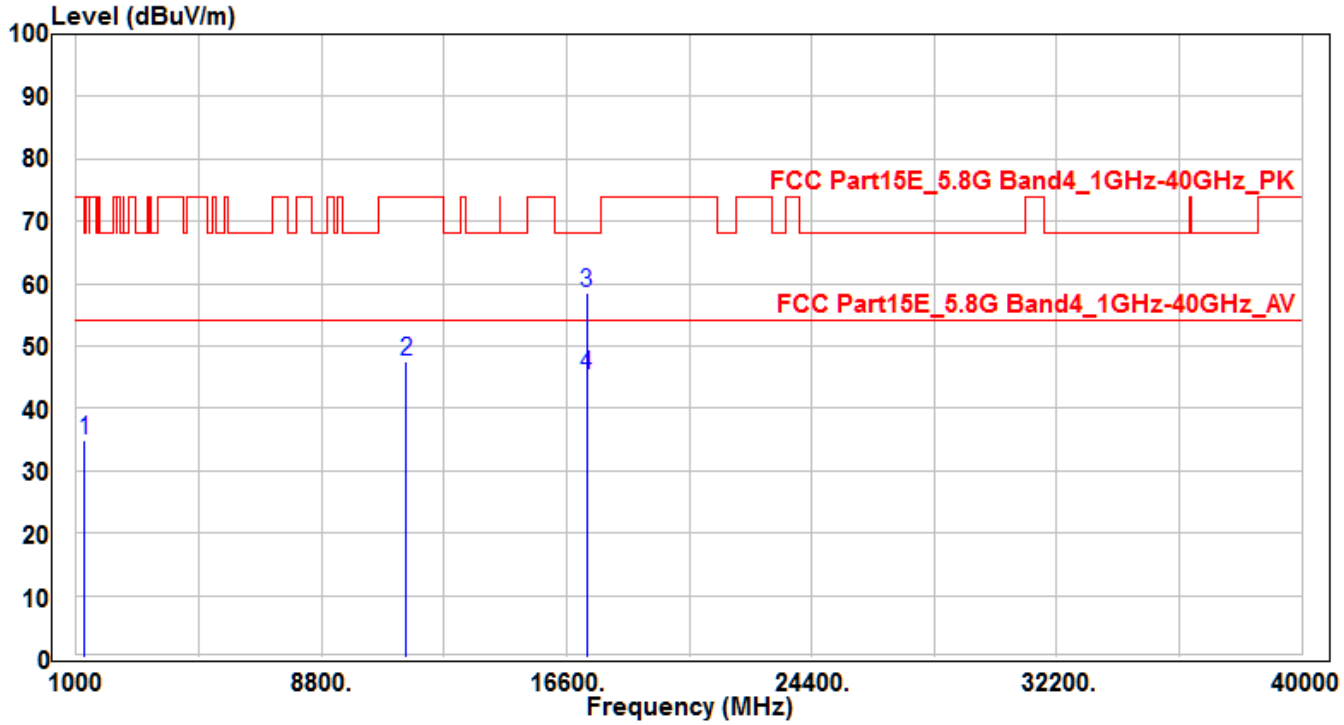


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1936.58	42.12	-4.11	38.01	-35.99	74	100	400	Peak
2		10480	29.29	17.88	47.17	-26.83	74	100	400	Peak
3	*	15720	32	21.18	53.18	-20.82	74	400	385	Peak
4	*	15720	20.89	21.18	42.07	-11.93	54	400	385	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH149_Ant 0	Test Voltage	AC 120V/60Hz

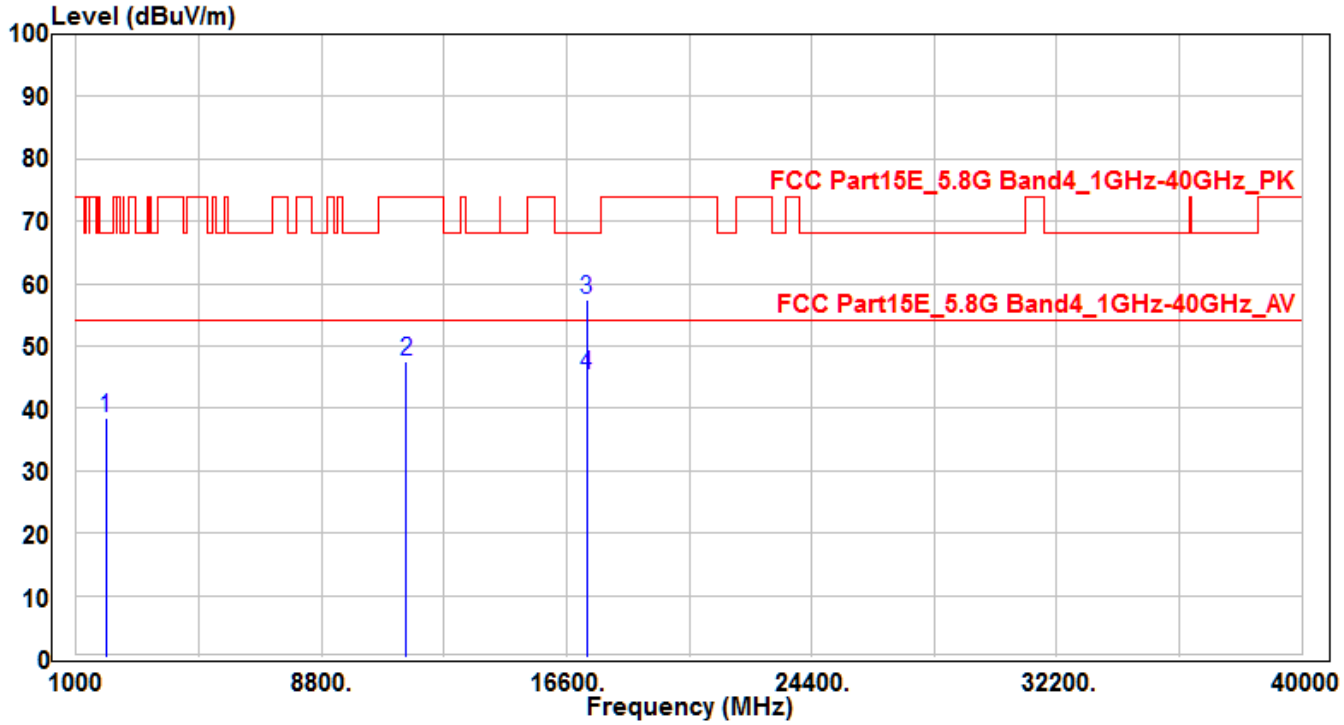


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1265.93	41.58	-6.57	35.01	-33.19	68.2	100	400	Peak
2		11490	28.17	19.24	47.41	-26.59	74	100	400	Peak
3	*	17235	30.67	27.74	58.41	-9.79	68.2	100	260	Peak
4	*	17235	17.64	27.74	45.38	-8.62	54	100	260	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH149_Ant 0	Test Voltage	AC 120V/60Hz

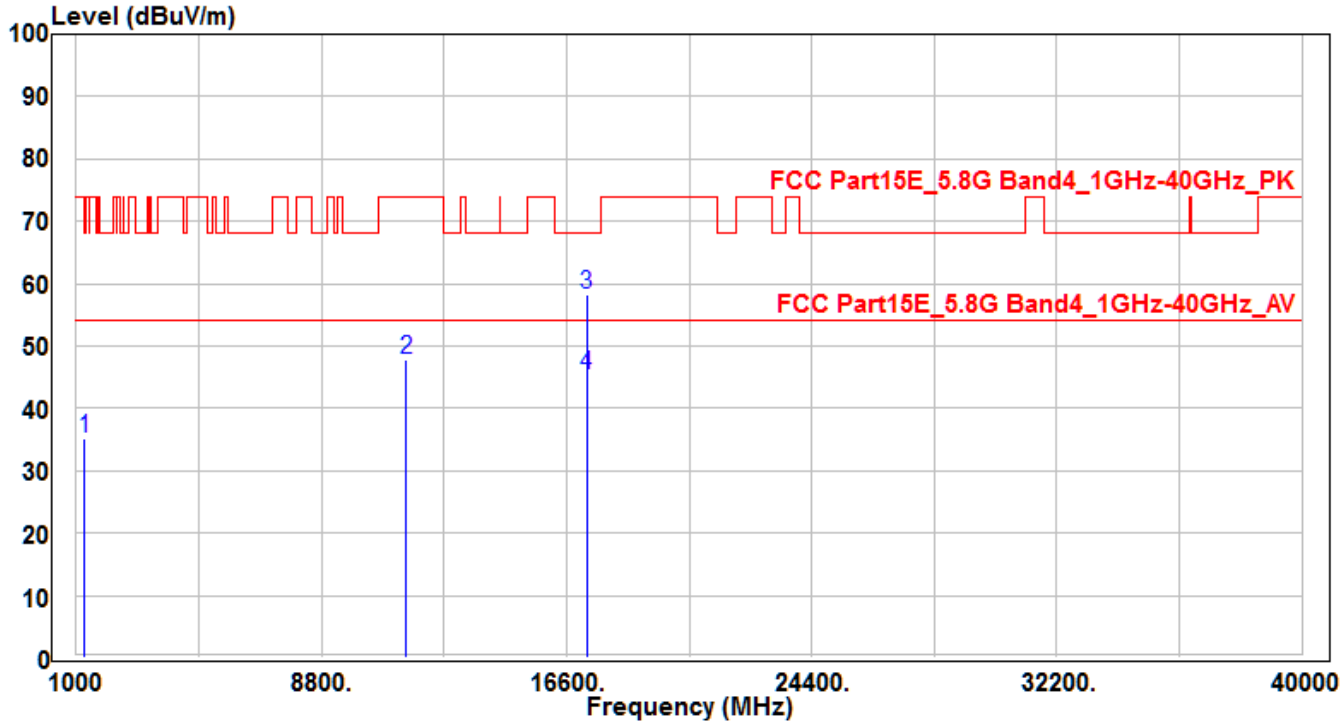


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1946.03	42.64	-4.09	38.55	-29.65	68.2	100	400	Peak
2		11490	28.3	19.24	47.54	-26.46	74	100	400	Peak
3	*	17235	29.63	27.74	57.37	-10.83	68.2	100	50	Peak
4	*	17235	17.66	27.74	45.4	-8.6	54	100	50	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH149_Ant 1	Test Voltage	AC 120V/60Hz

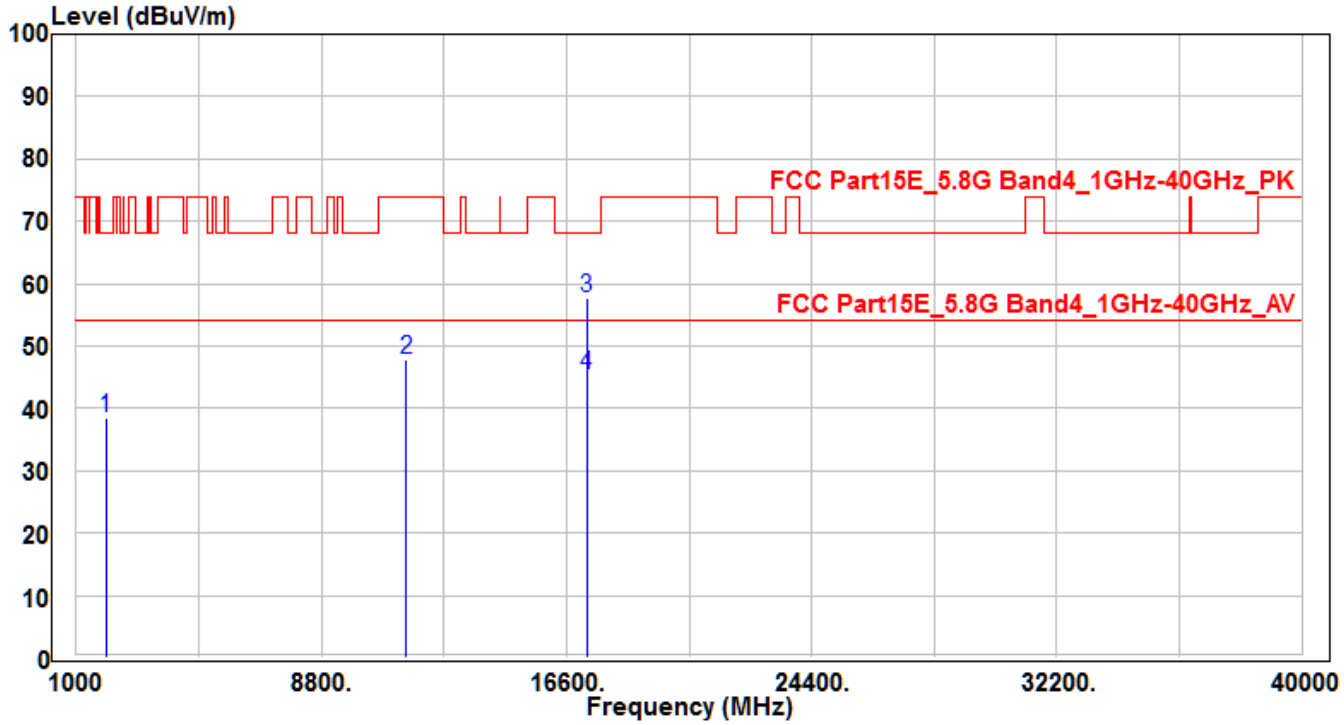


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1262.43	41.86	-6.58	35.28	-32.92	68.2	100	400	Peak
2		11490	28.5	19.24	47.74	-26.26	74	100	400	Peak
3	*	17235	30.42	27.74	58.16	-10.04	68.2	100	365	Peak
4	*	17235	17.69	27.74	45.43	-8.57	54	100	365	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH149_Ant 1	Test Voltage	AC 120V/60Hz

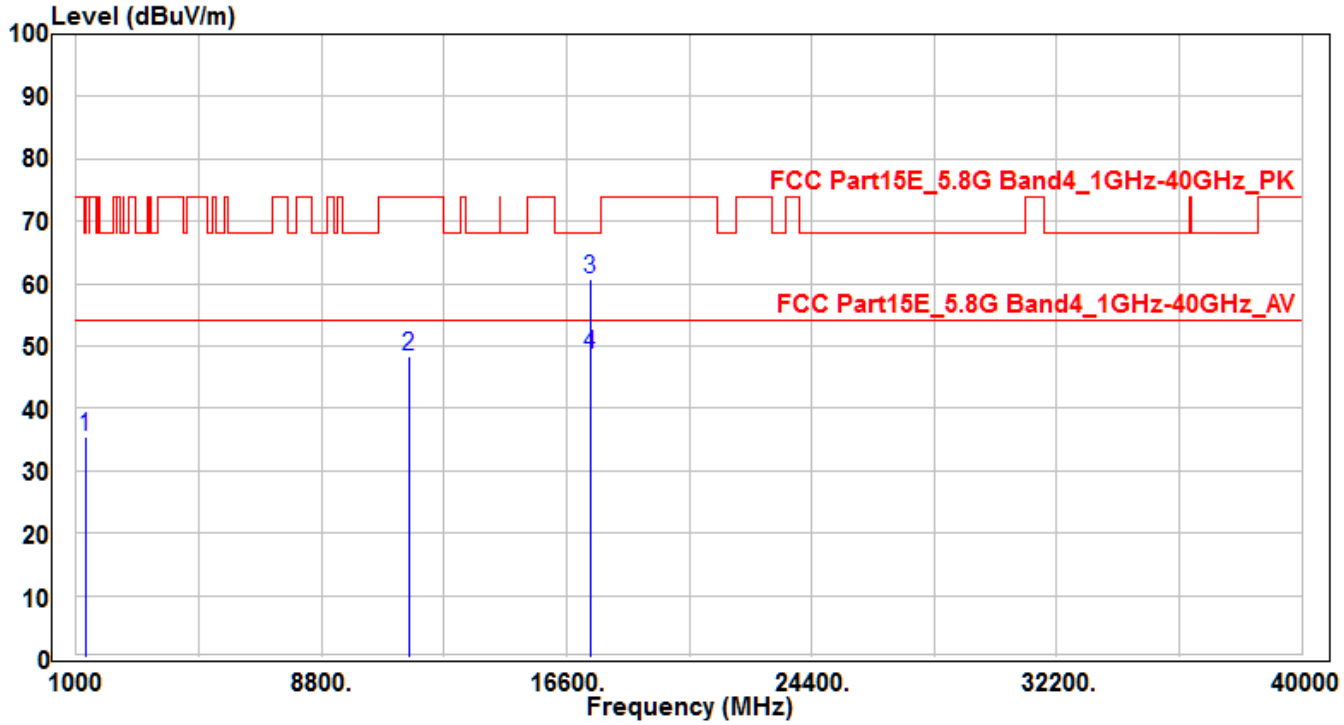


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1958.45	42.61	-4.05	38.56	-29.64	68.2	100	400	Peak
2		11490	28.45	19.24	47.69	-26.31	74	100	400	Peak
3	*	17235	29.97	27.74	57.71	-10.49	68.2	100	400	Peak
4	*	17235	17.72	27.74	45.46	-8.54	54	100	400	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH157_Ant 0	Test Voltage	AC 120V/60Hz

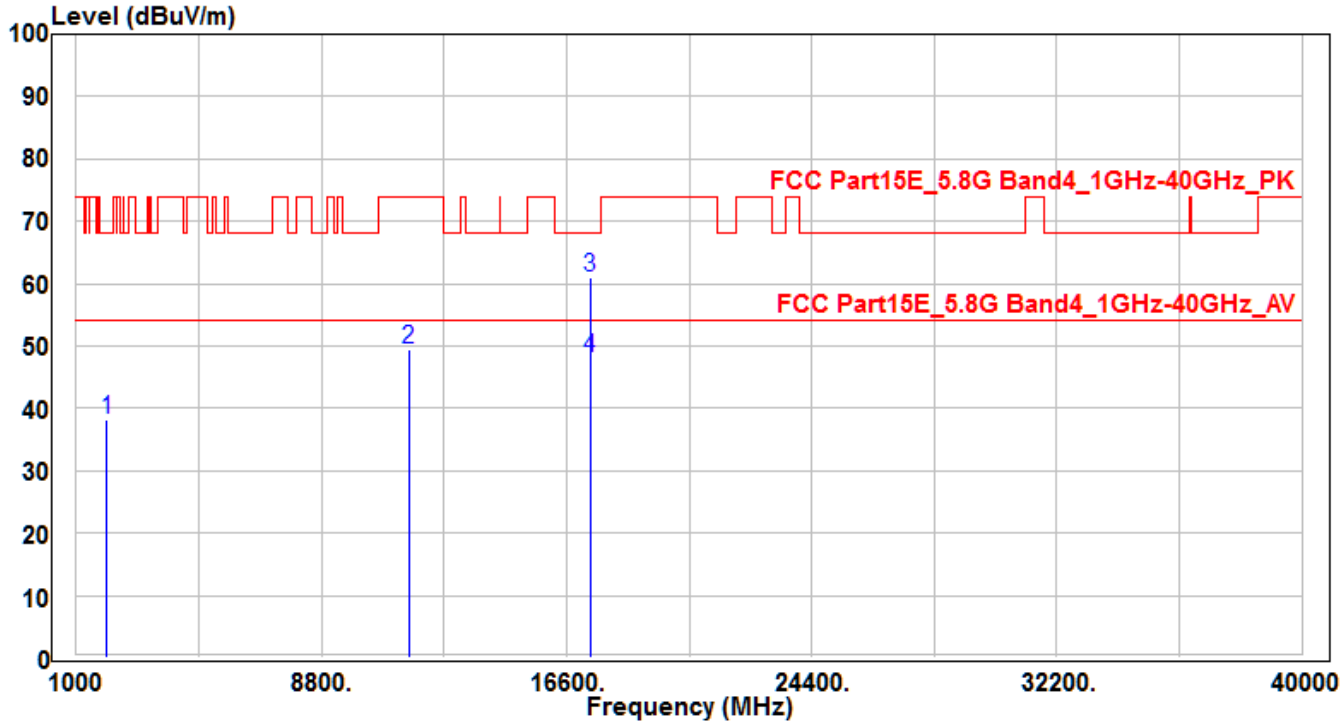


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1296.18	41.95	-6.41	35.54	-32.66	68.2	100	400	Peak
2		11570	29.15	19.19	48.34	-25.66	74	100	400	Peak
3	*	17355	32.08	28.73	60.81	-7.39	68.2	130	-40	Peak
4	*	17355	20.04	28.73	48.77	-5.23	54	130	-40	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH157_Ant 0	Test Voltage	AC 120V/60Hz

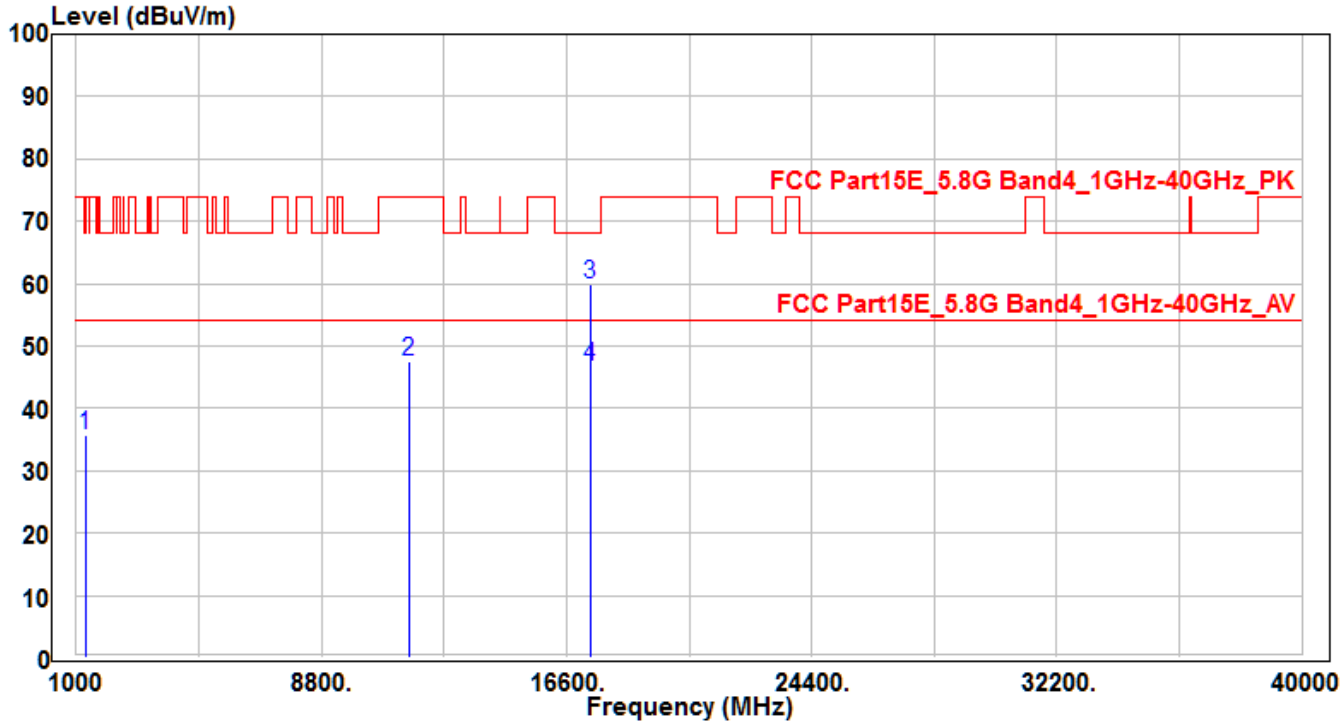


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1968.17	42.14	-4.02	38.12	-30.08	68.2	100	400	Peak
2		11570	30.39	19.19	49.58	-24.42	74	100	400	Peak
3	*	17355	32.17	28.73	60.9	-7.3	68.2	100	-30	Peak
4	*	17355	19.27	28.73	48	-6	54	100	-30	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH157_Ant 1	Test Voltage	AC 120V/60Hz

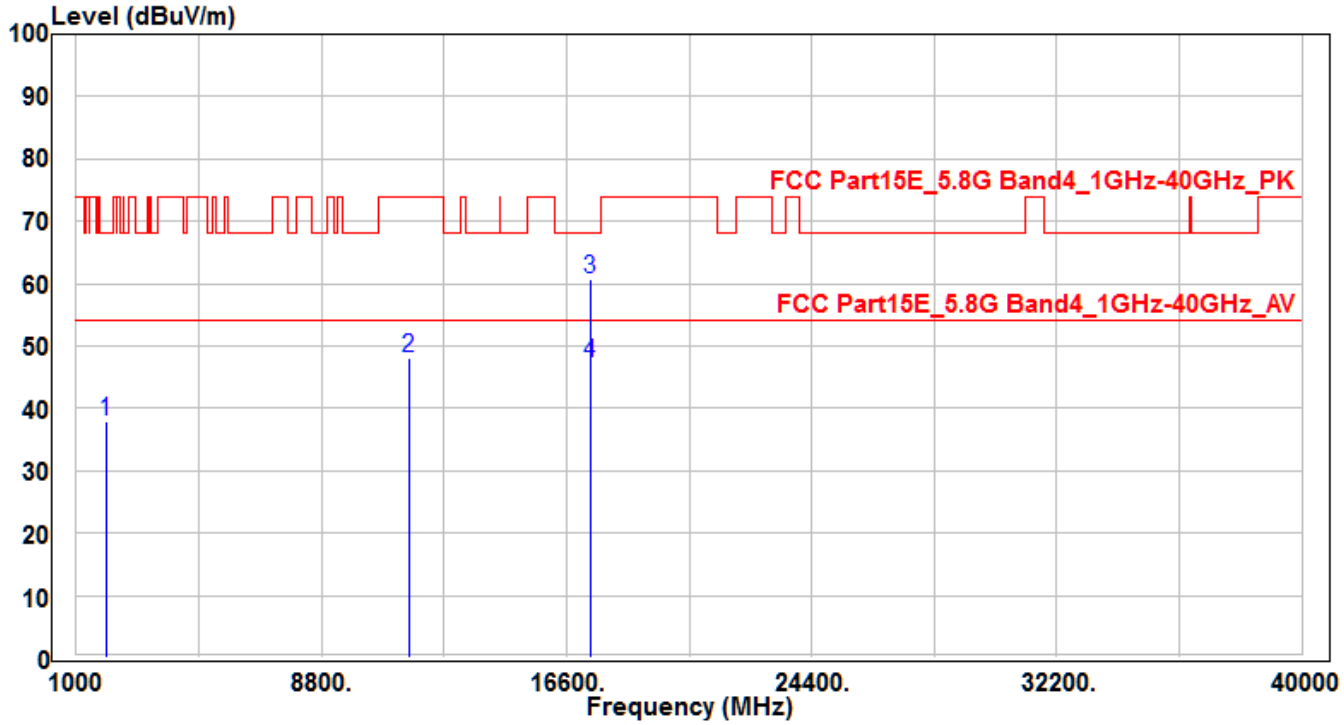


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1284.17	42.26	-6.47	35.79	-32.41	68.2	100	400	Peak
2		11570	28.46	19.19	47.65	-26.35	74	100	400	Peak
3	*	17355	31.27	28.73	60	-8.2	68.2	100	360	Peak
4	*	17355	17.97	28.73	46.7	-7.3	54	100	360	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH157_Ant 1	Test Voltage	AC 120V/60Hz

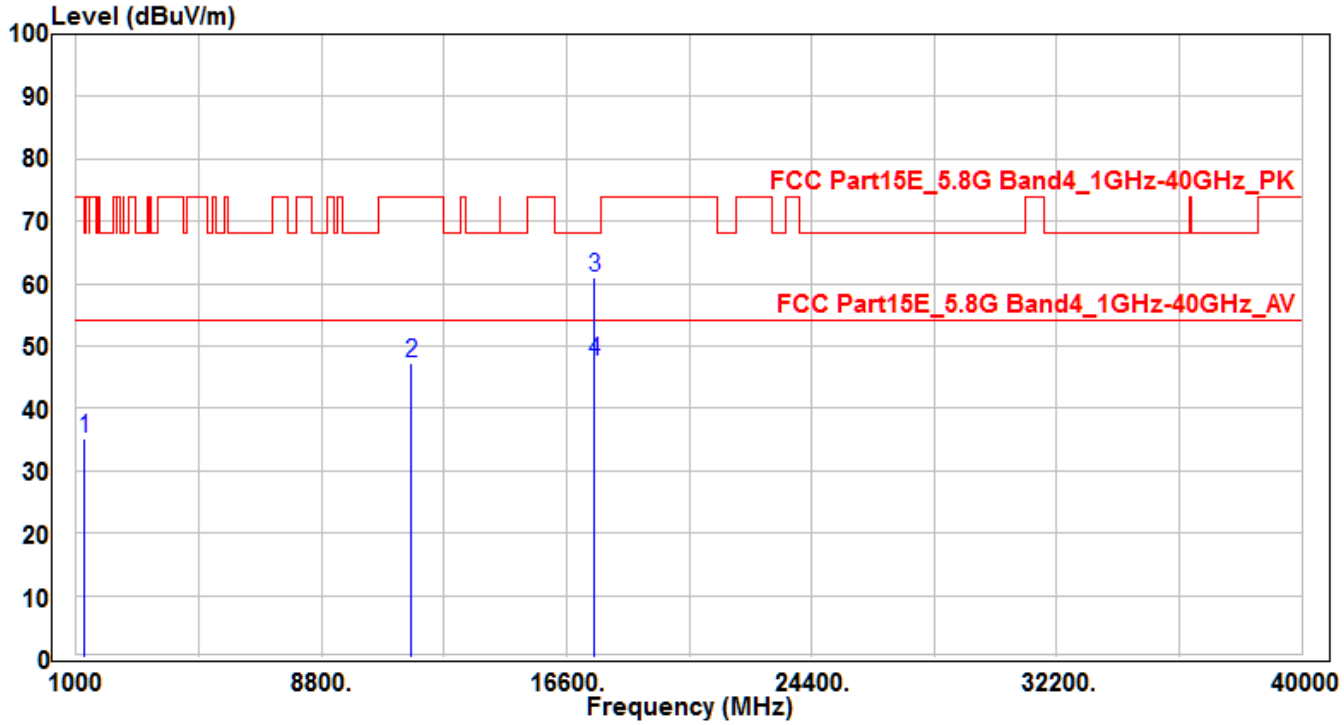


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1952.68	41.97	-4.07	37.9	-30.3	68.2	100	400	Peak
2		11570	28.95	19.19	48.14	-25.86	74	100	400	Peak
3	*	17355	31.9	28.73	60.63	-7.57	68.2	100	275	Peak
4	*	17355	18.46	28.73	47.19	-6.81	54	100	275	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH165_Ant 0	Test Voltage	AC 120V/60Hz

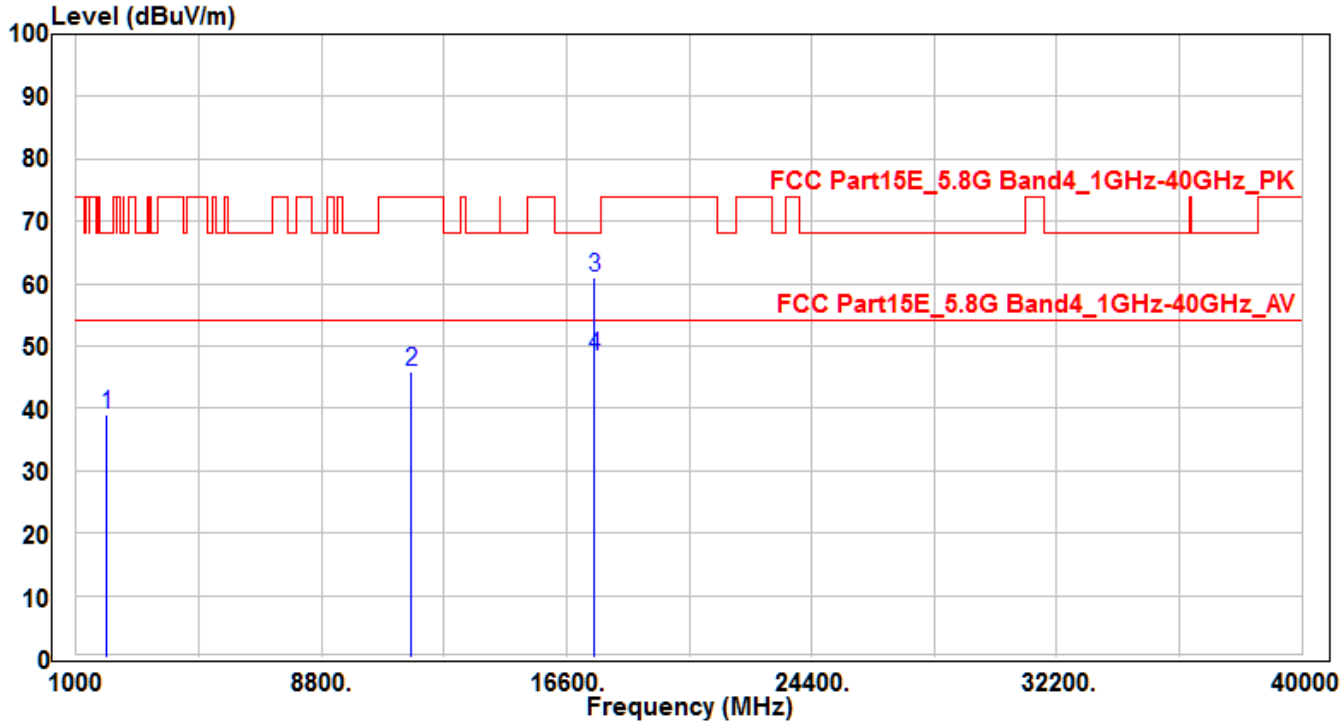


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1274.28	41.73	-6.53	35.2	-33	68.2	100	400	Peak
2		11650	28.22	19.12	47.34	-26.66	74	100	400	Peak
3	*	17475	31.26	29.72	60.98	-7.22	68.2	100	355	Peak
4	*	17475	17.69	29.72	47.41	-6.59	54	100	355	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH165_Ant 0	Test Voltage	AC 120V/60Hz

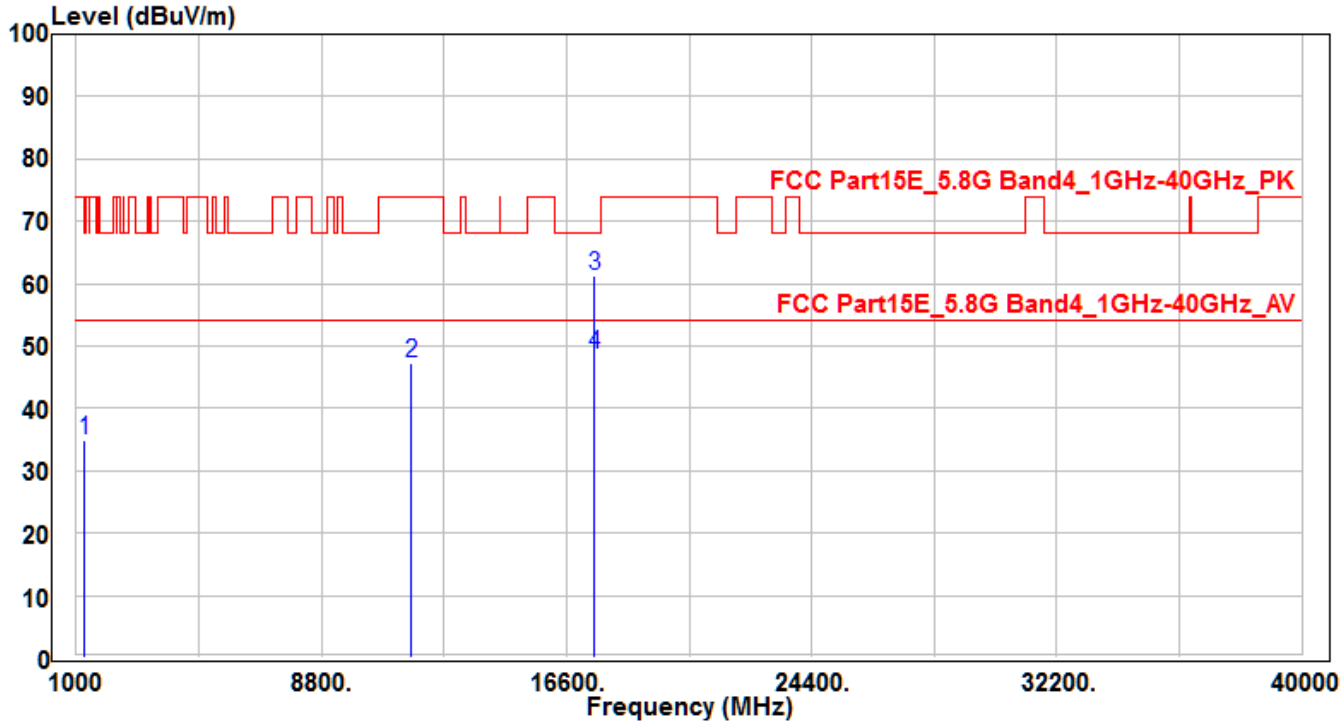


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1983.42	42.95	-3.97	38.98	-29.22	68.2	100	400	Peak
2		11650	26.89	19.12	46.01	-27.99	74	100	400	Peak
3	*	17475	31.26	29.72	60.98	-7.22	68.2	100	280	Peak
4	*	17475	18.53	29.72	48.25	-5.75	54	100	280	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH165_Ant 1	Test Voltage	AC 120V/60Hz

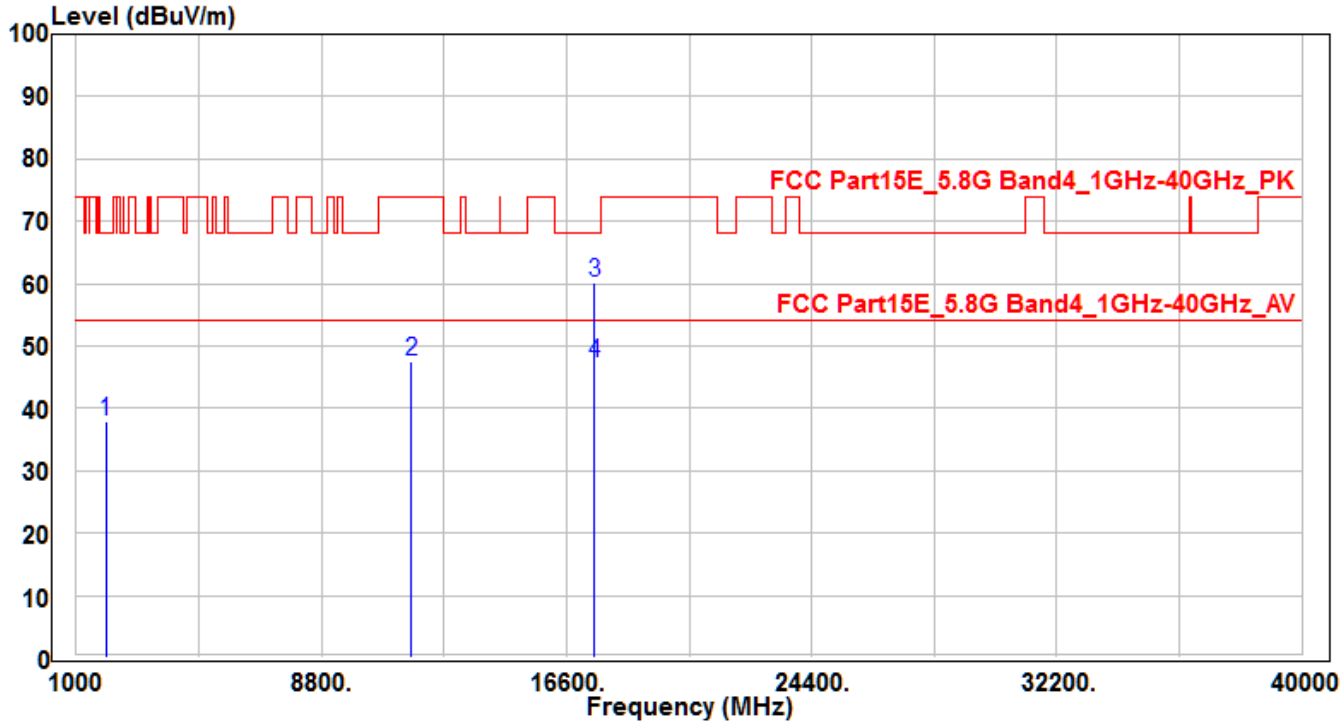


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1274.61	41.42	-6.52	34.9	-33.3	68.2	100	400	Peak
2		11650	28.02	19.12	47.14	-26.86	74	100	400	Peak
3	*	17475	31.65	29.72	61.37	-6.83	68.2	100	380	Peak
4	*	17475	18.84	29.72	48.56	-5.44	54	100	380	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1 -CH165_Ant 1	Test Voltage	AC 120V/60Hz

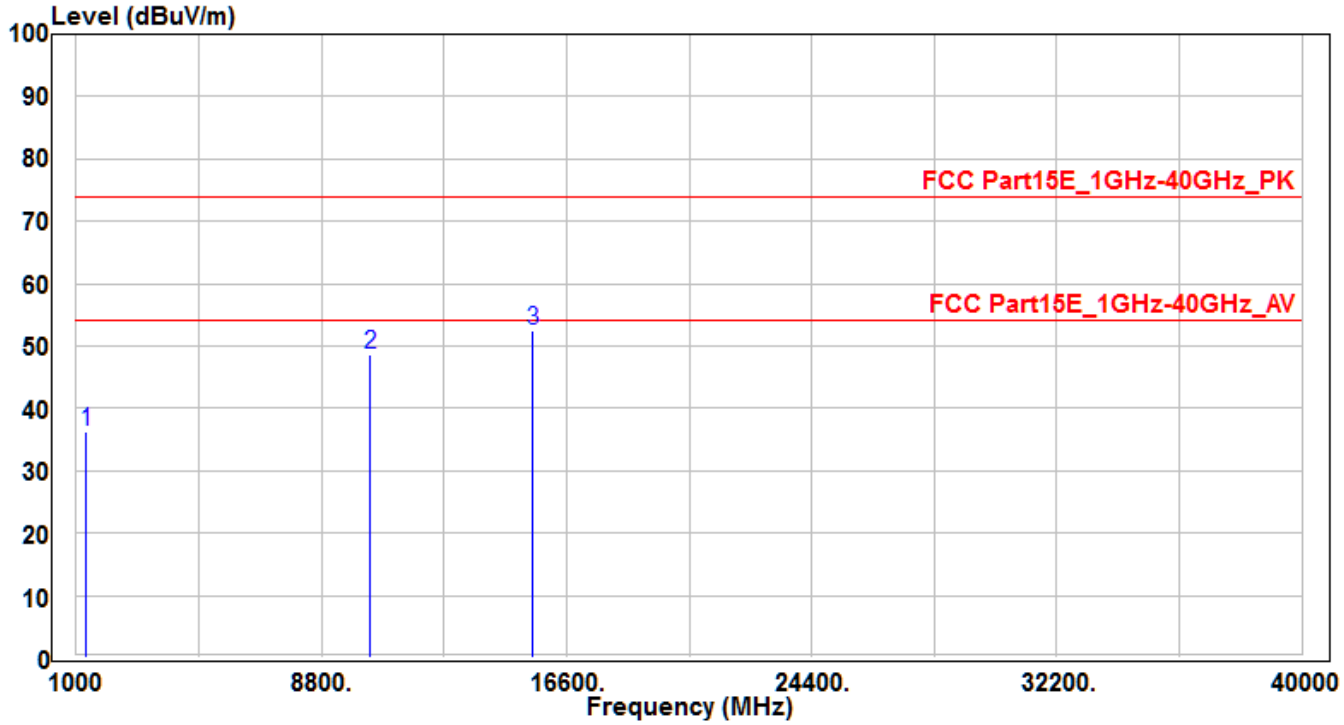


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1957.64	42.03	-4.05	37.98	-30.22	68.2	100	400	Peak
2		11650	28.49	19.12	47.61	-26.39	74	100	400	Peak
3	*	17475	30.39	29.72	60.11	-8.09	68.2	100	290	Peak
4	*	17475	17.64	29.72	47.36	-6.64	54	100	290	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE2 -CH36_Ant 0+1	Test Voltage	AC 120V/60Hz

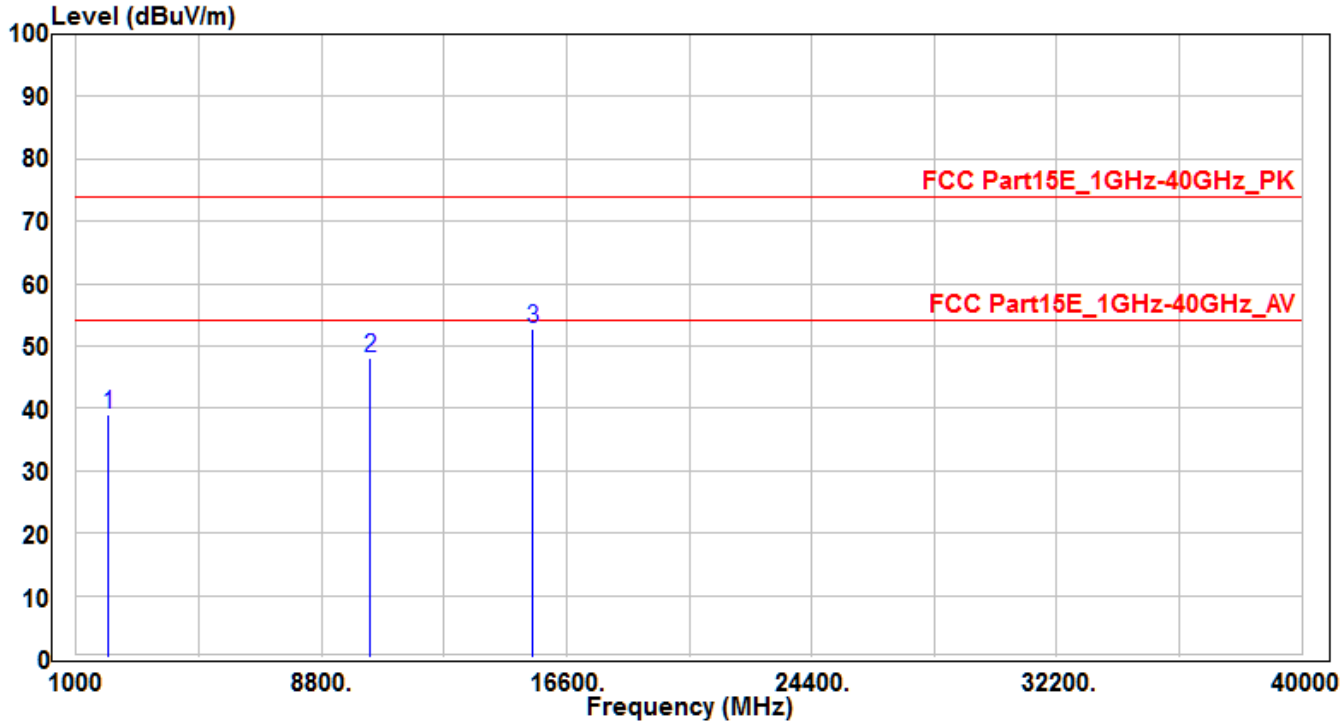


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1324.23	42.47	-6.28	36.19	-37.81	74	100	400	Peak
2		10360	31.32	17.34	48.66	-25.34	74	100	400	Peak
3	*	15540	30.56	21.82	52.38	-21.62	74	100	400	Peak

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE2 -CH36_Ant 0+1	Test Voltage	AC 120V/60Hz

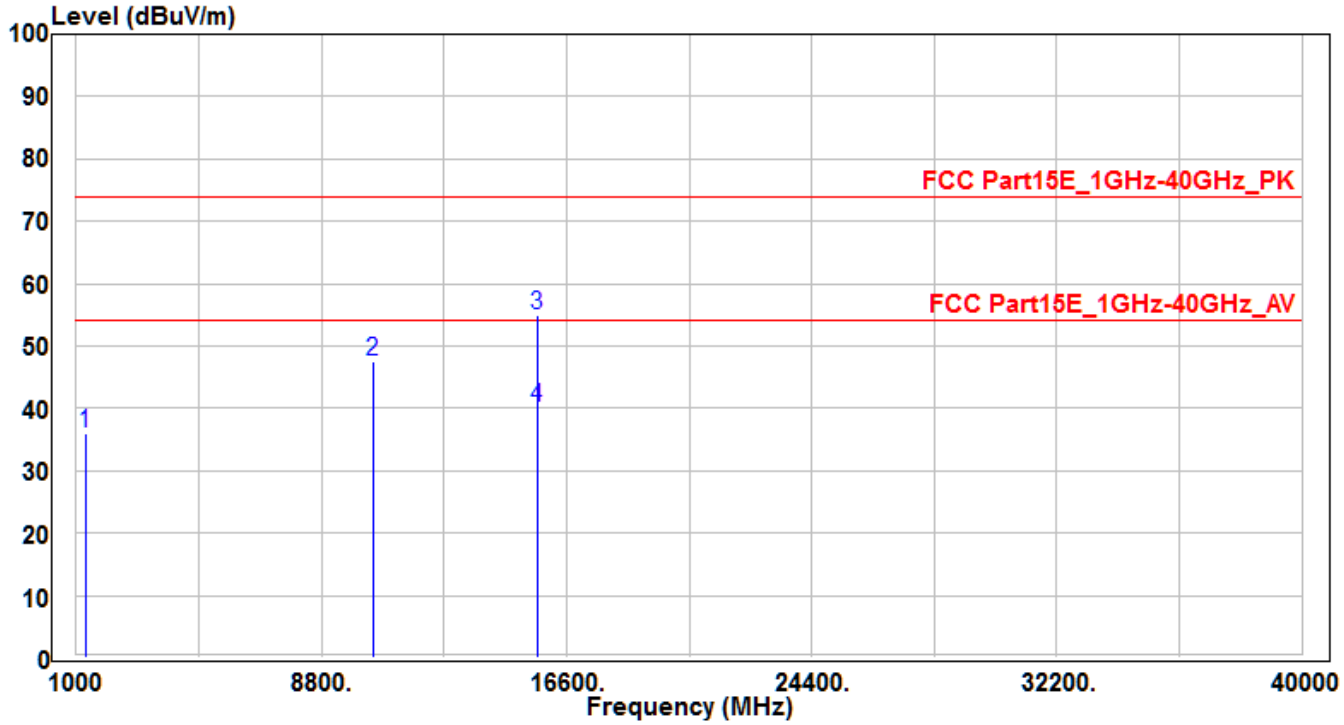


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		2015.56	42.85	-3.85	39	-35	74	100	400	Peak
2		10360	30.78	17.34	48.12	-25.88	74	100	400	Peak
3	*	15540	30.95	21.82	52.77	-21.23	74	100	400	Peak

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE2 -CH44_Ant 0+1	Test Voltage	AC 120V/60Hz

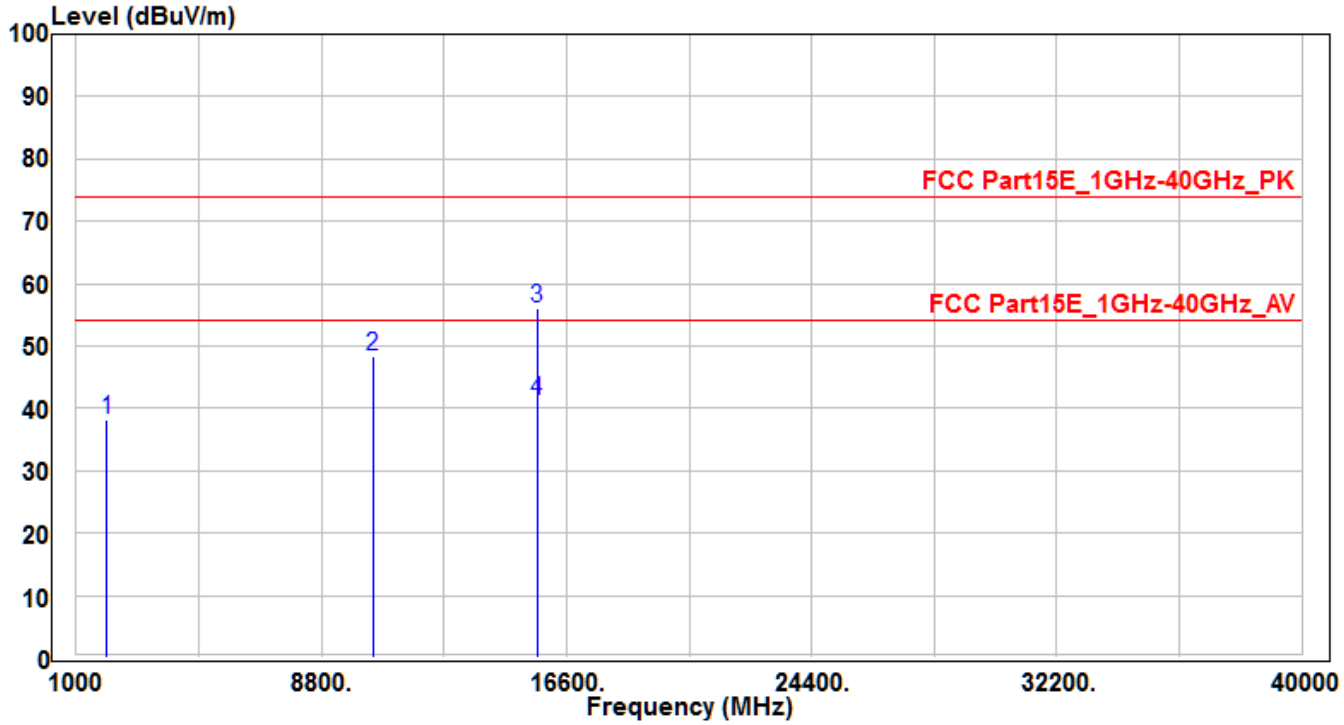


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1304.68	42.45	-6.38	36.07	-37.93	74	100	400	Peak
2		10440	29.77	17.71	47.48	-26.52	74	100	400	Peak
3	*	15660	33.69	21.39	55.08	-18.92	74	100	295	Peak
4	*	15660	18.71	21.39	40.1	-13.9	54	100	295	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE2 -CH44_Ant 0+1	Test Voltage	AC 120V/60Hz

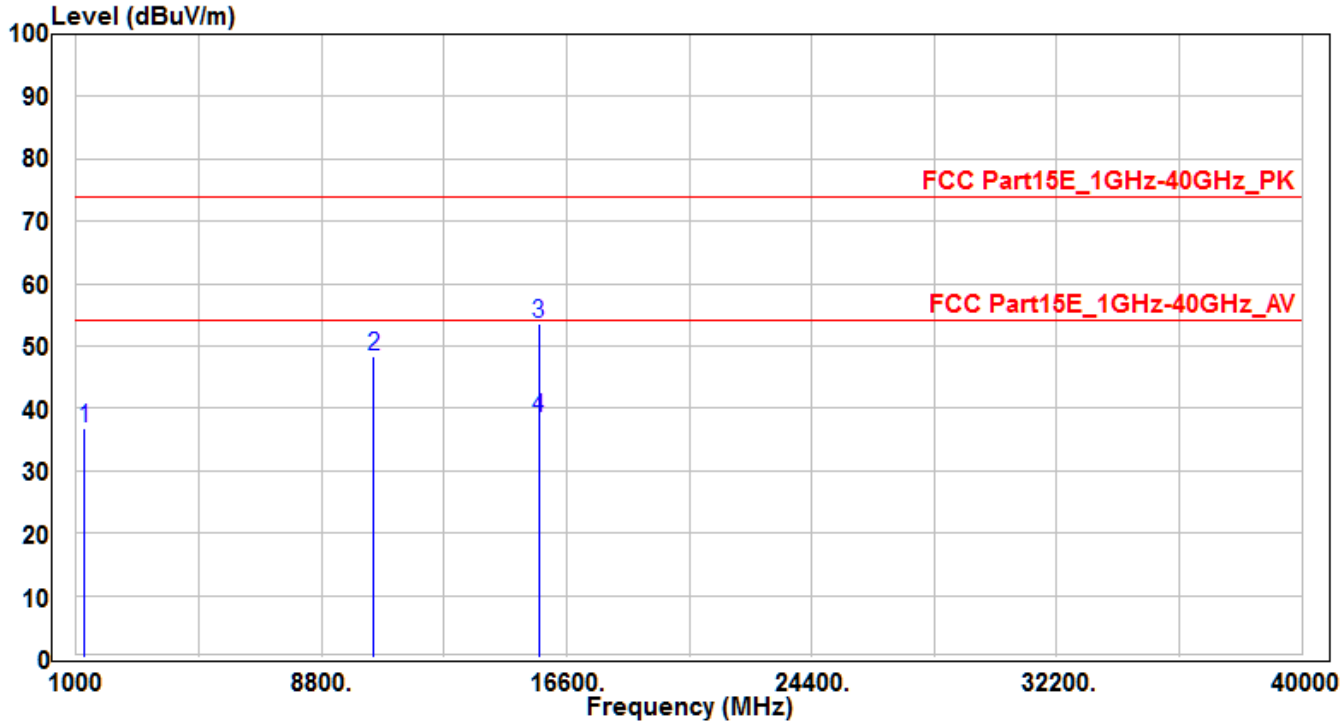


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1975.83	42.21	-3.99	38.22	-35.78	74	100	400	Peak
2		10440	30.67	17.71	48.38	-25.62	74	100	400	Peak
3	*	15660	34.74	21.39	56.13	-17.87	74	100	375	Peak
4	*	15660	19.75	21.39	41.14	-12.86	54	100	375	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE2 -CH48_Ant 0+1	Test Voltage	AC 120V/60Hz

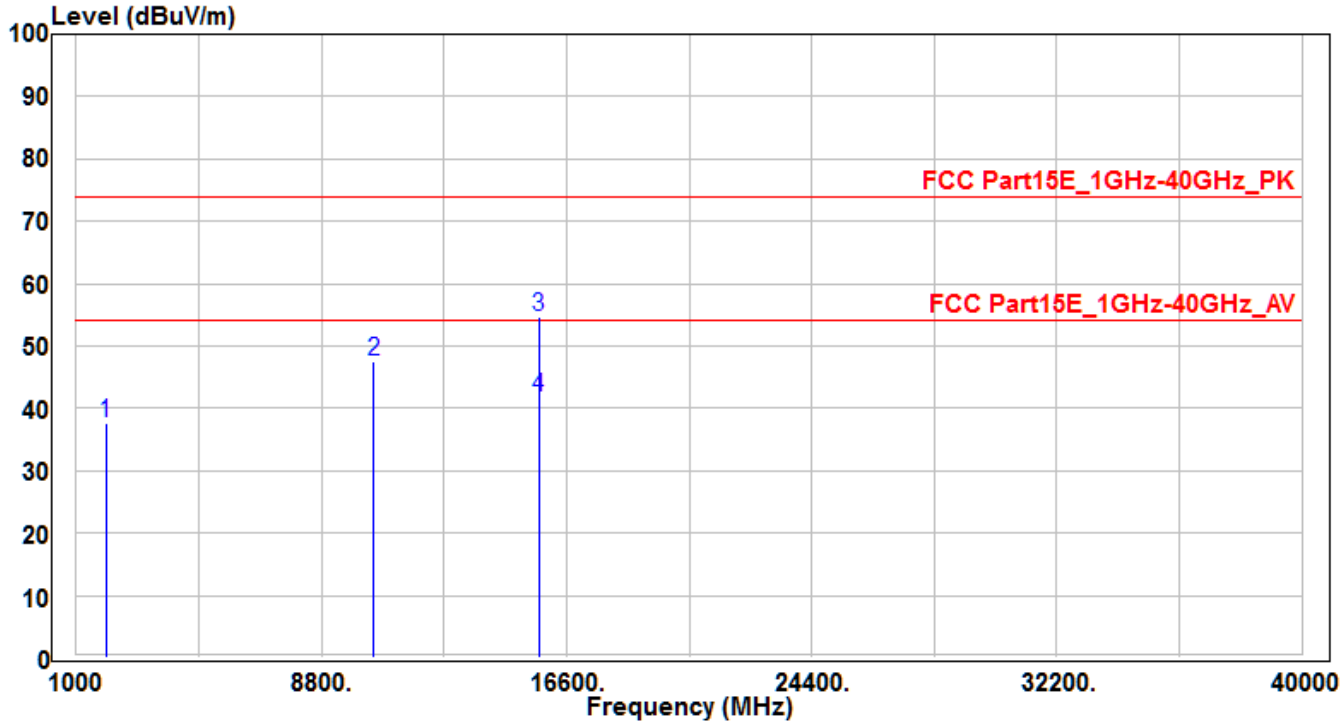


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1271.93	43.35	-6.54	36.81	-37.19	74	100	400	Peak
2		10480	30.47	17.88	48.35	-25.65	74	100	400	Peak
3	*	15720	32.4	21.18	53.58	-20.42	74	100	35	Peak
4	*	15720	17.32	21.18	38.5	-15.5	54	100	35	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE2 -CH48_Ant 0+1	Test Voltage	AC 120V/60Hz

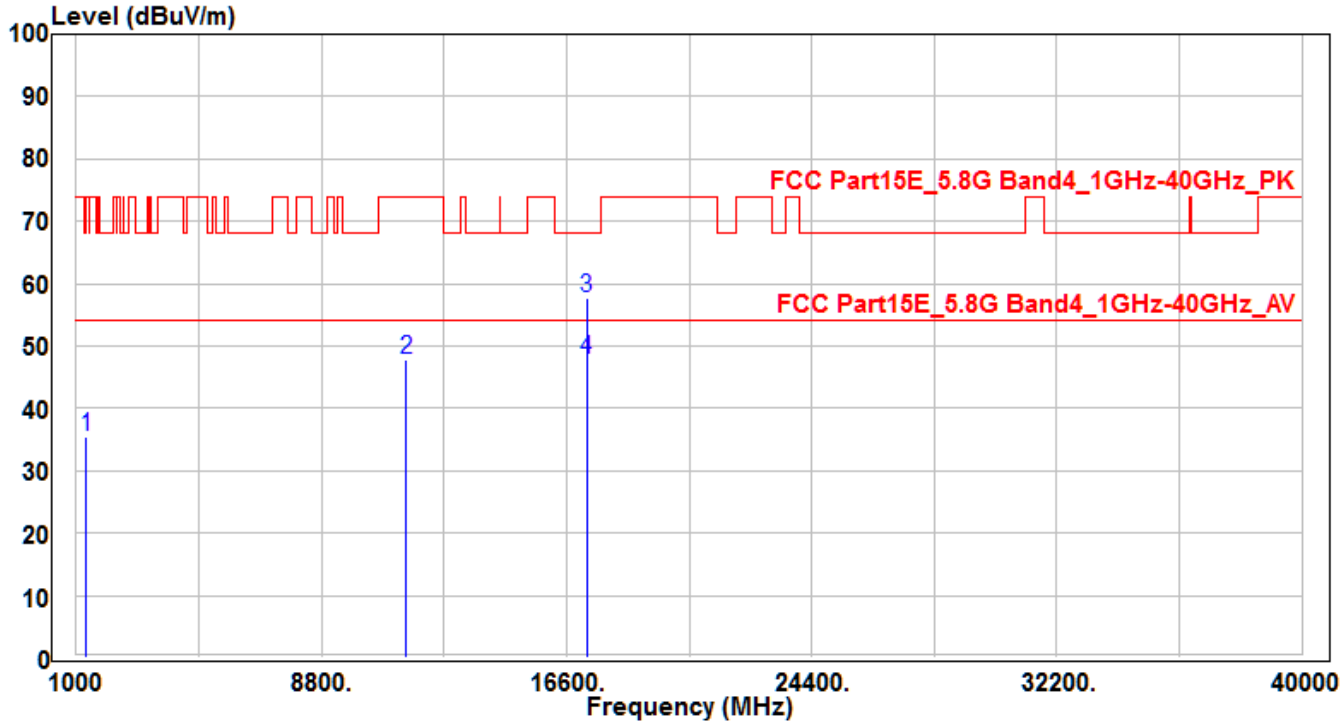


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1940.82	41.81	-4.09	37.72	-36.28	74	100	400	Peak
2		10480	29.55	17.88	47.43	-26.57	74	100	400	Peak
3	*	15720	33.49	21.18	54.67	-19.33	74	100	290	Peak
4	*	15720	20.54	21.18	41.72	-12.28	54	100	290	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE2 -CH149_Ant 0+1	Test Voltage	AC 120V/60Hz

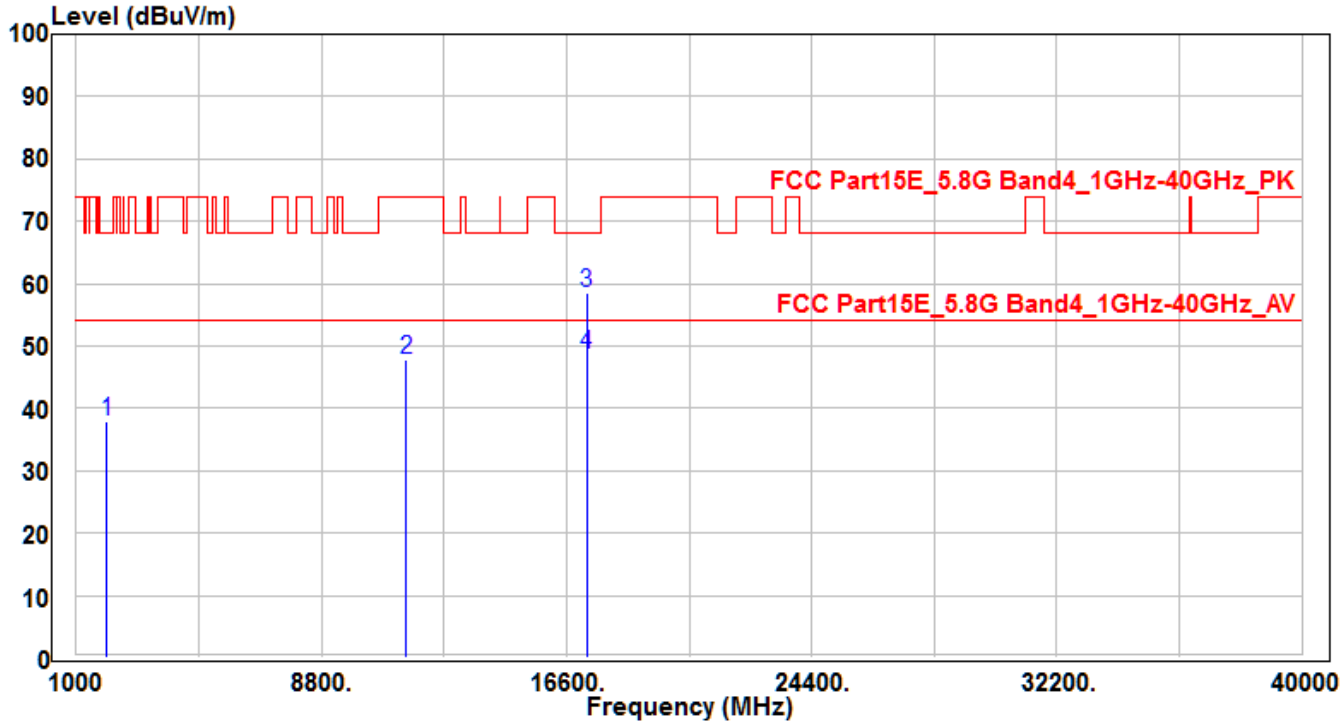


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1308.05	41.87	-6.37	35.5	-38.5	74	100	400	Peak
2		11490	28.46	19.24	47.7	-26.3	74	100	400	Peak
3	*	17235	29.9	27.74	57.64	-10.56	68.2	100	265	Peak
4	*	17235	20.15	27.74	47.89	-6.11	54	100	265	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE2 -CH149_Ant 0+1	Test Voltage	AC 120V/60Hz

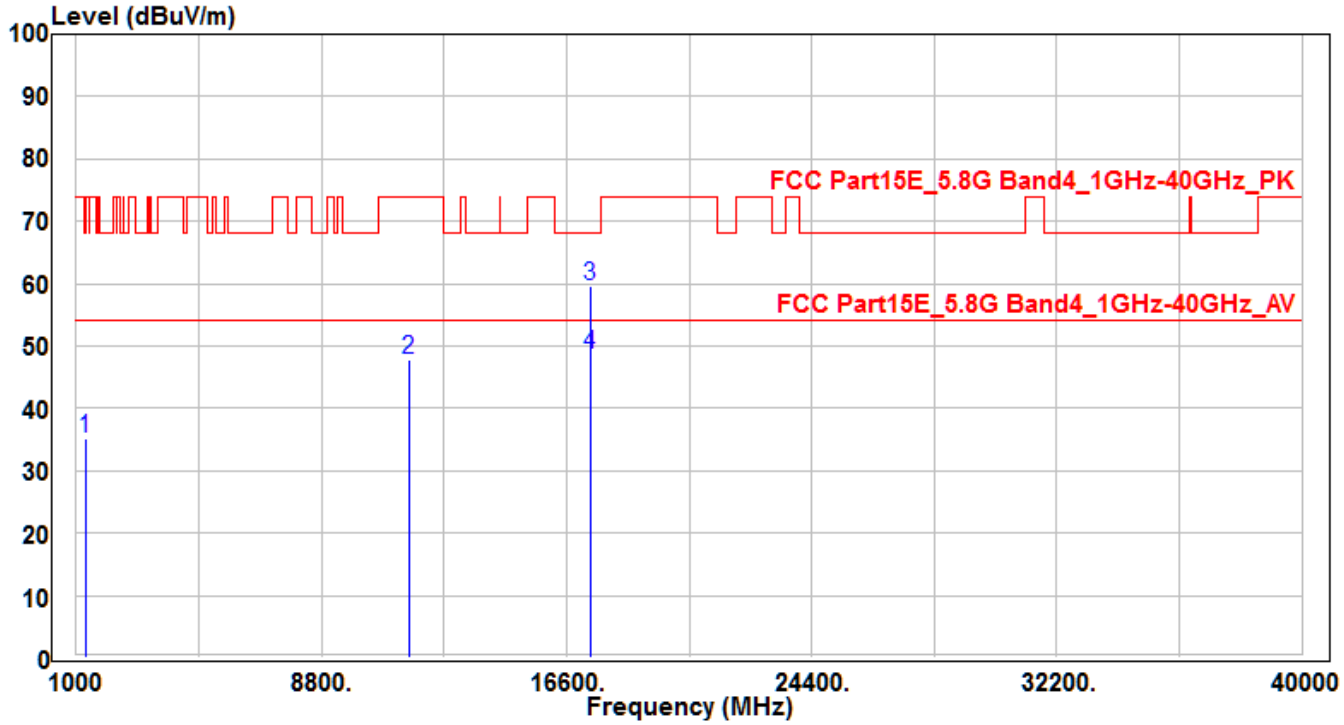


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1986.89	41.94	-3.96	37.98	-30.22	68.2	100	400	Peak
2		11490	28.69	19.24	47.93	-26.07	74	100	400	Peak
3	*	17235	30.77	27.74	58.51	-9.69	68.2	100	55	Peak
4	*	17235	20.97	27.74	48.71	-5.29	54	100	55	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE2 -CH157_Ant 0+1	Test Voltage	AC 120V/60Hz

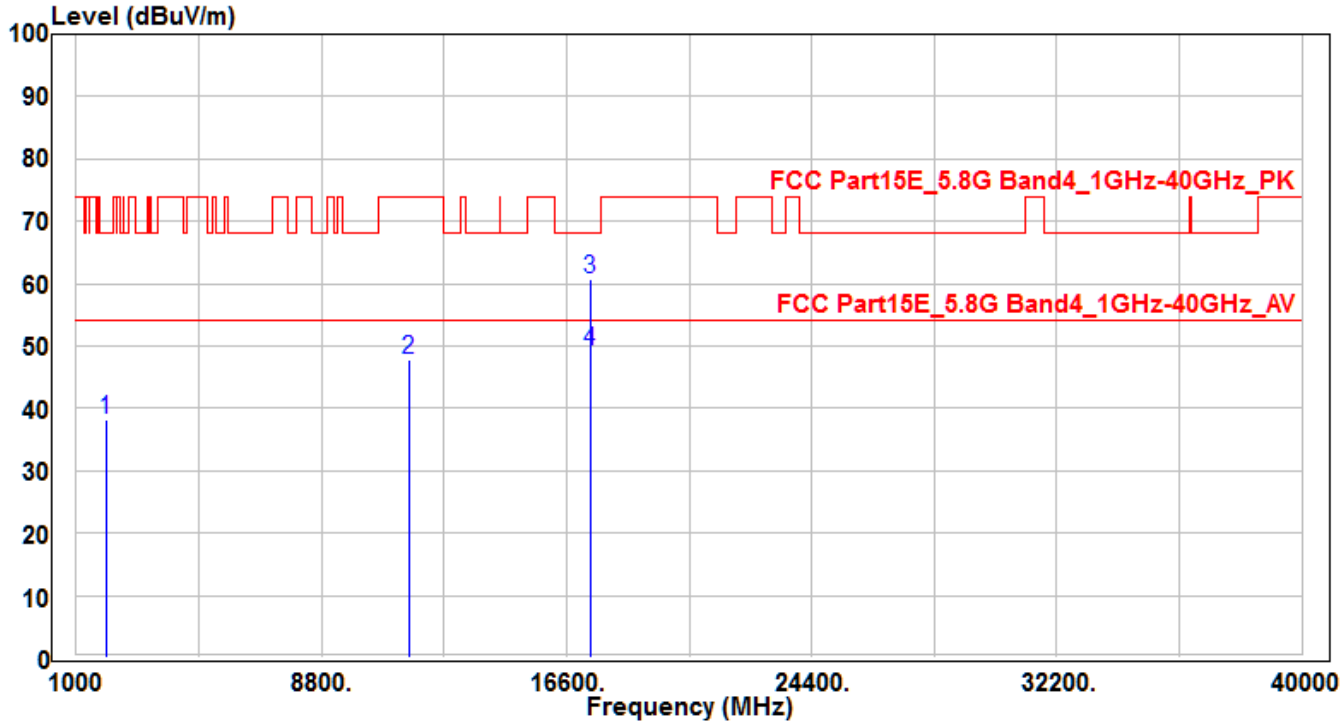


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1294.23	41.48	-6.43	35.05	-33.15	68.2	100	400	Peak
2		11570	28.71	19.19	47.9	-26.1	74	100	400	Peak
3	*	17355	31.03	28.73	59.76	-8.44	68.2	100	255	Peak
4	*	17355	19.87	28.73	48.6	-5.4	54	100	255	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE2 -CH157_Ant 0+1	Test Voltage	AC 120V/60Hz

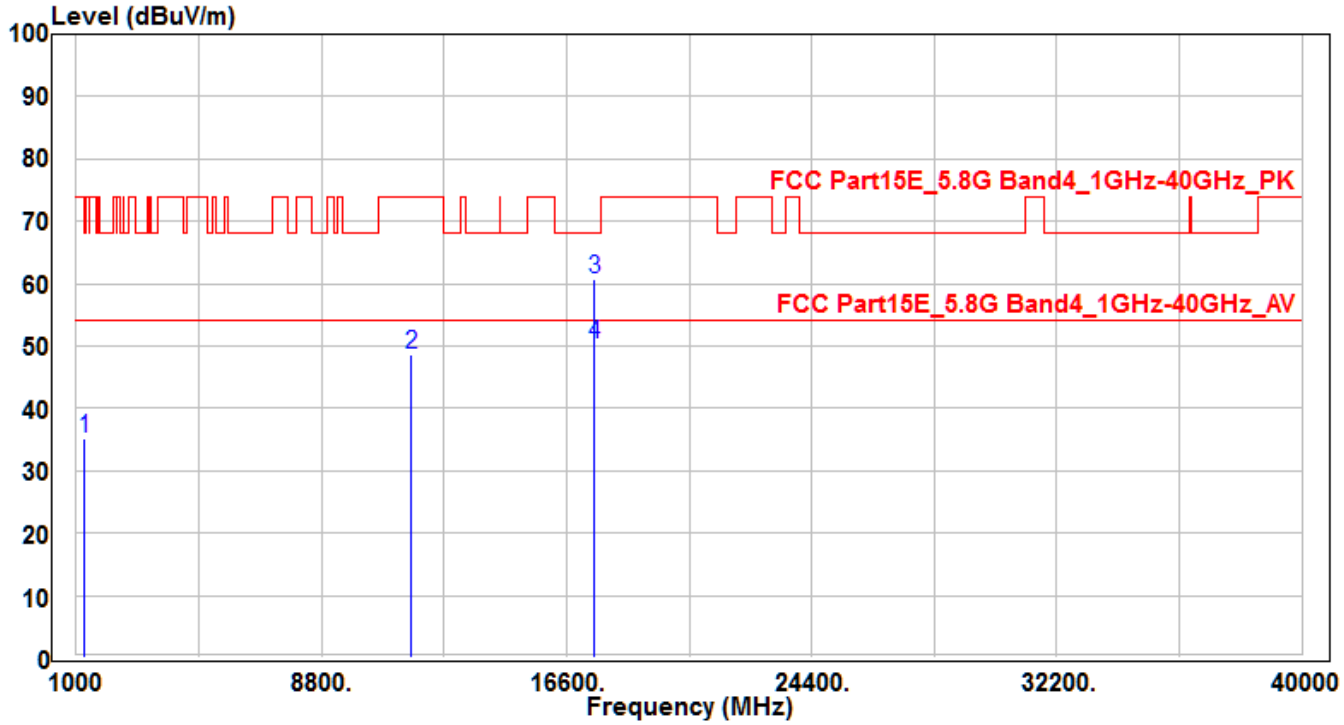


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1941.72	42.24	-4.09	38.15	-30.05	68.2	100	400	Peak
2		11570	28.66	19.19	47.85	-26.15	74	100	400	Peak
3	*	17355	32.1	28.73	60.83	-7.37	68.2	100	390	Peak
4	*	17355	20.35	28.73	49.08	-4.92	54	100	390	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE2 -CH165_Ant 0+1	Test Voltage	AC 120V/60Hz

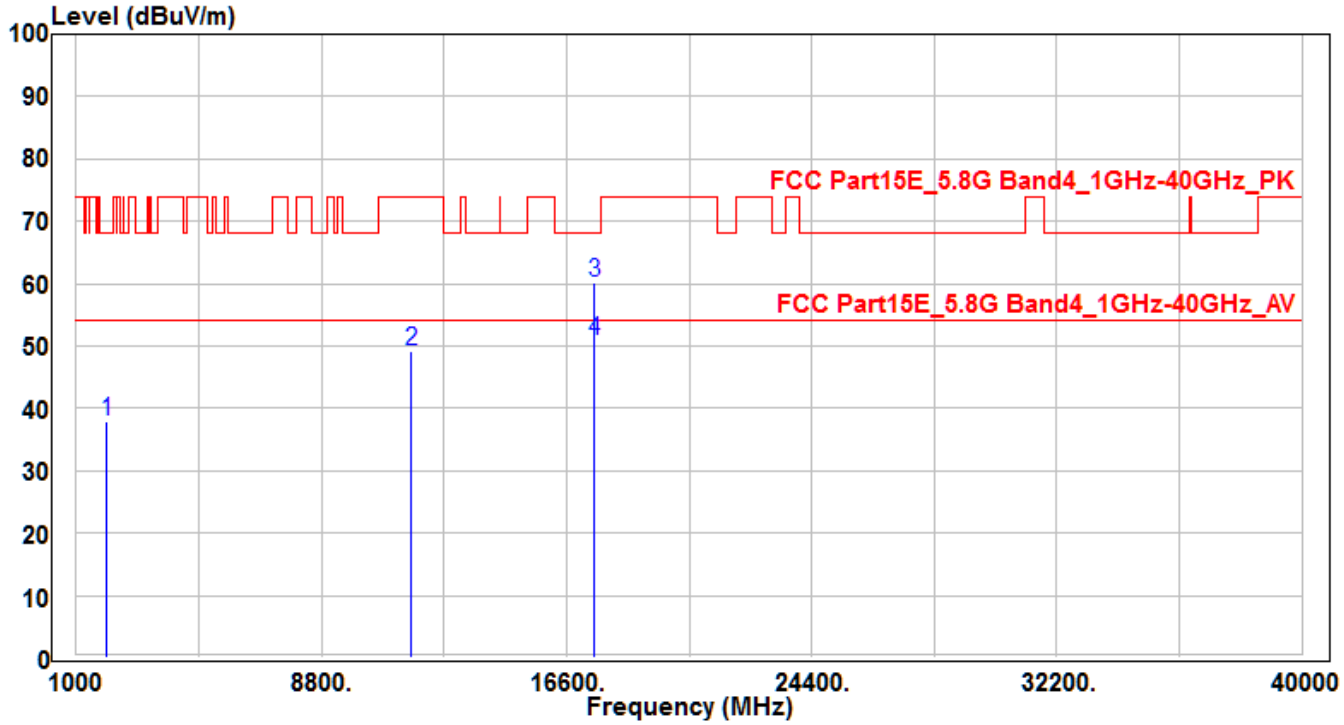


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1264.82	41.8	-6.57	35.23	-32.97	68.2	100	400	Peak
2		11650	29.48	19.12	48.6	-25.4	74	100	400	Peak
3	*	17475	31.01	29.72	60.73	-7.47	68.2	100	215	Peak
4	*	17475	20.65	29.72	50.37	-3.63	54	100	215	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE2 -CH165_Ant 0+1	Test Voltage	AC 120V/60Hz

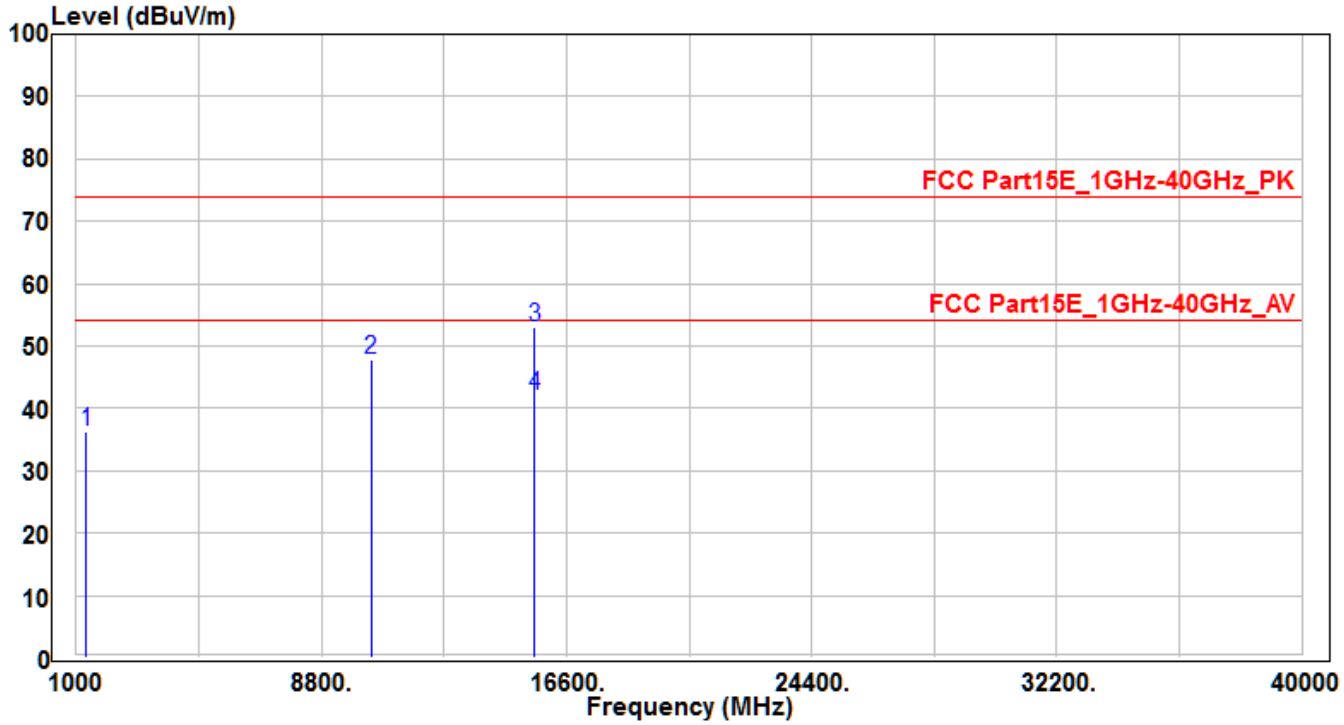


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1986.58	41.83	-3.96	37.87	-30.33	68.2	100	400	Peak
2		11650	30.05	19.12	49.17	-24.83	74	100	400	Peak
3	*	17475	30.35	29.72	60.07	-8.13	68.2	100	305	Peak
4	*	17475	21.13	29.72	50.85	-3.15	54	100	305	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE3 -CH38_Ant 0+1	Test Voltage	AC 120V/60Hz

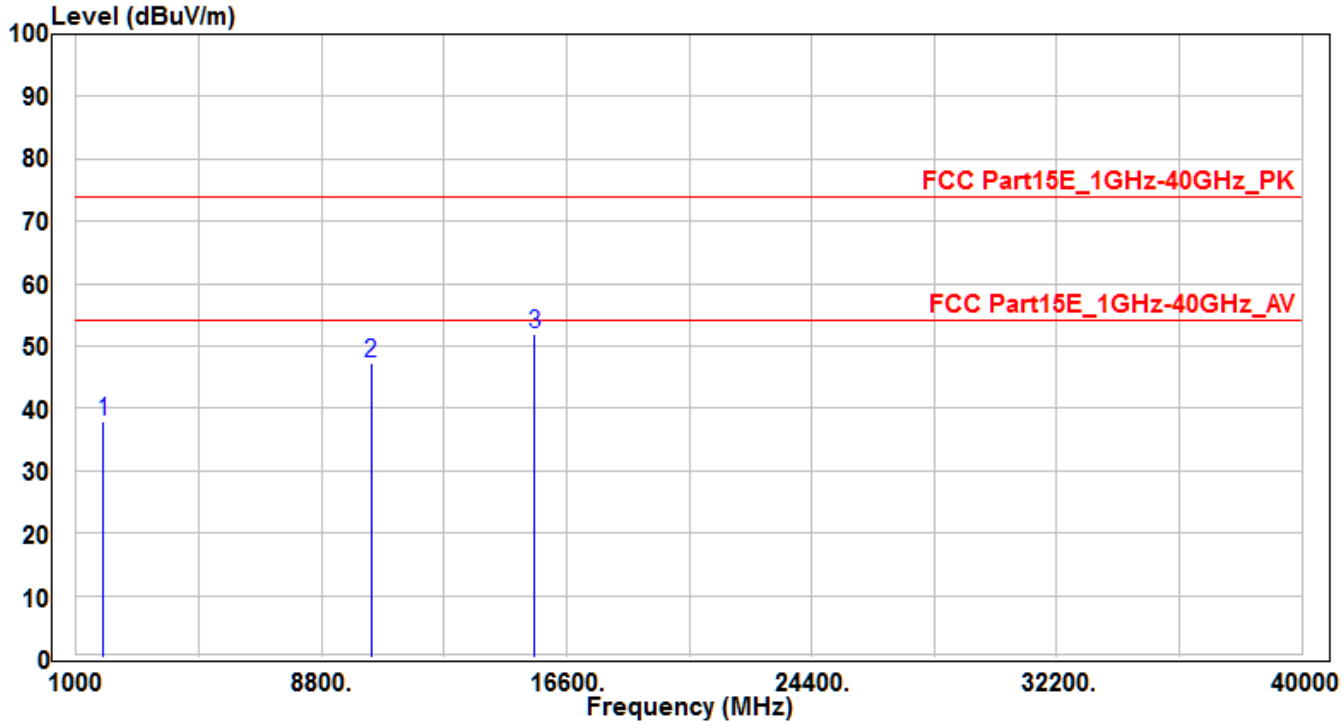


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1315.45	42.64	-6.33	36.31	-37.69	74	100	400	Peak
2		10380	30.41	17.44	47.85	-26.15	74	100	400	Peak
3	*	15570	31.42	21.7	53.12	-20.88	74	100	380	Peak
4	*	15570	20.37	21.7	42.07	-11.93	54	100	380	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE3 -CH38_Ant 0+1	Test Voltage	AC 120V/60Hz

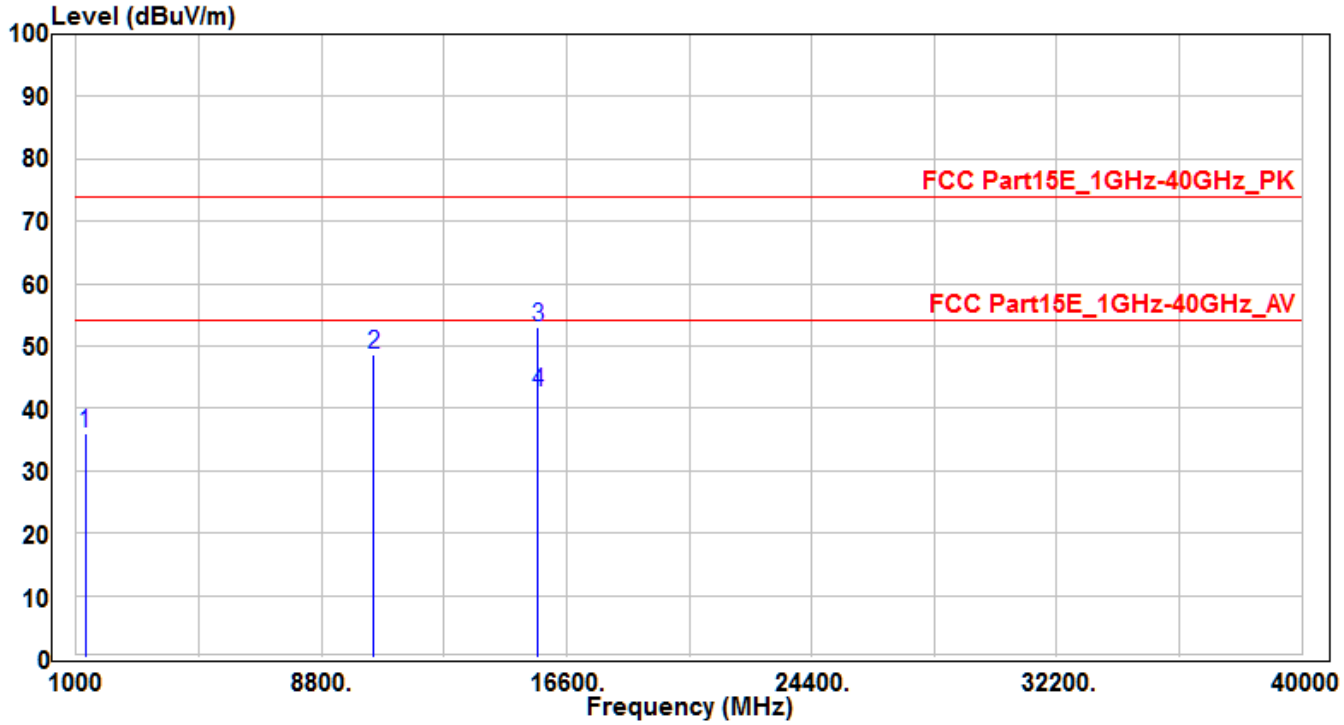


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1865.18	42.29	-4.33	37.96	-36.04	74	100	400	Peak
2		10380	29.81	17.44	47.25	-26.75	74	100	400	Peak
3	*	15570	30.22	21.7	51.92	-22.08	74	100	400	Peak

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE3 -CH46_Ant 0+1	Test Voltage	AC 120V/60Hz

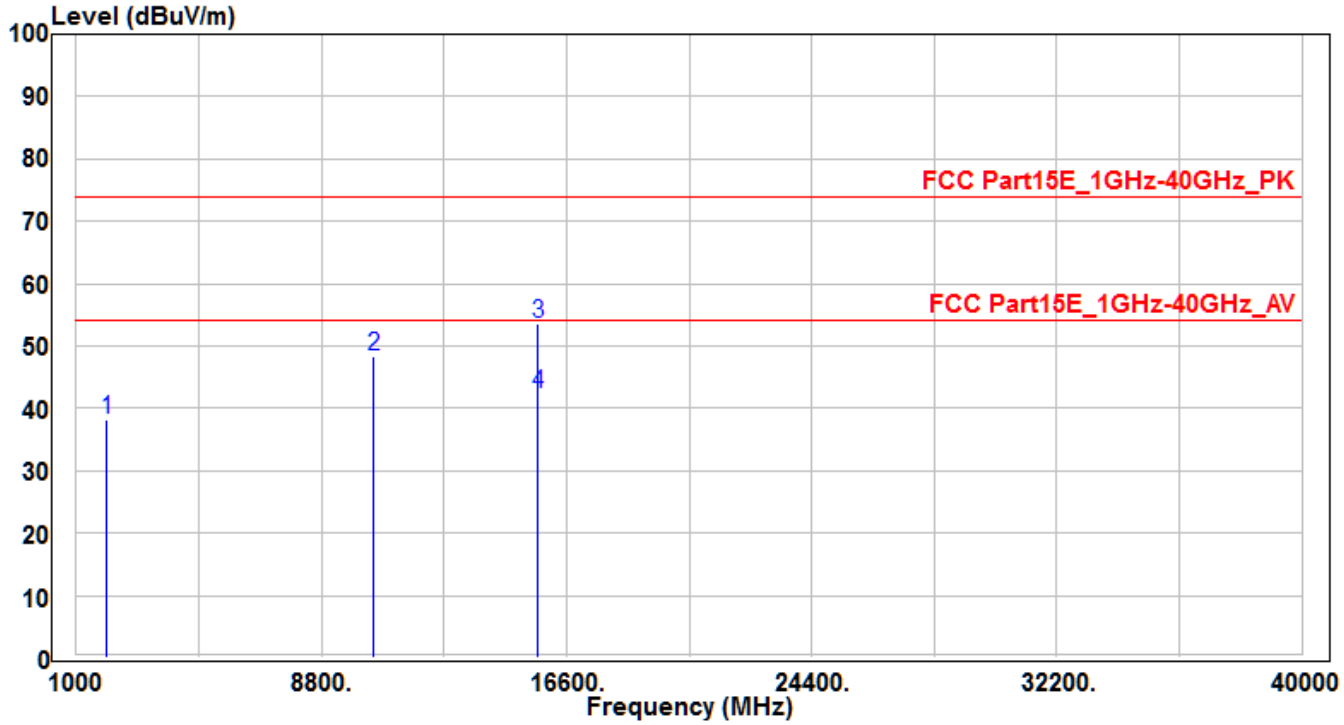


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1286.13	42.6	-6.47	36.13	-37.87	74	100	400	Peak
2		10460	30.98	17.79	48.77	-25.23	74	100	400	Peak
3	*	15690	31.81	21.29	53.1	-20.9	74	100	325	Peak
4	*	15690	21.36	21.29	42.65	-11.35	54	100	325	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE3 -CH46_Ant 0+1	Test Voltage	AC 120V/60Hz

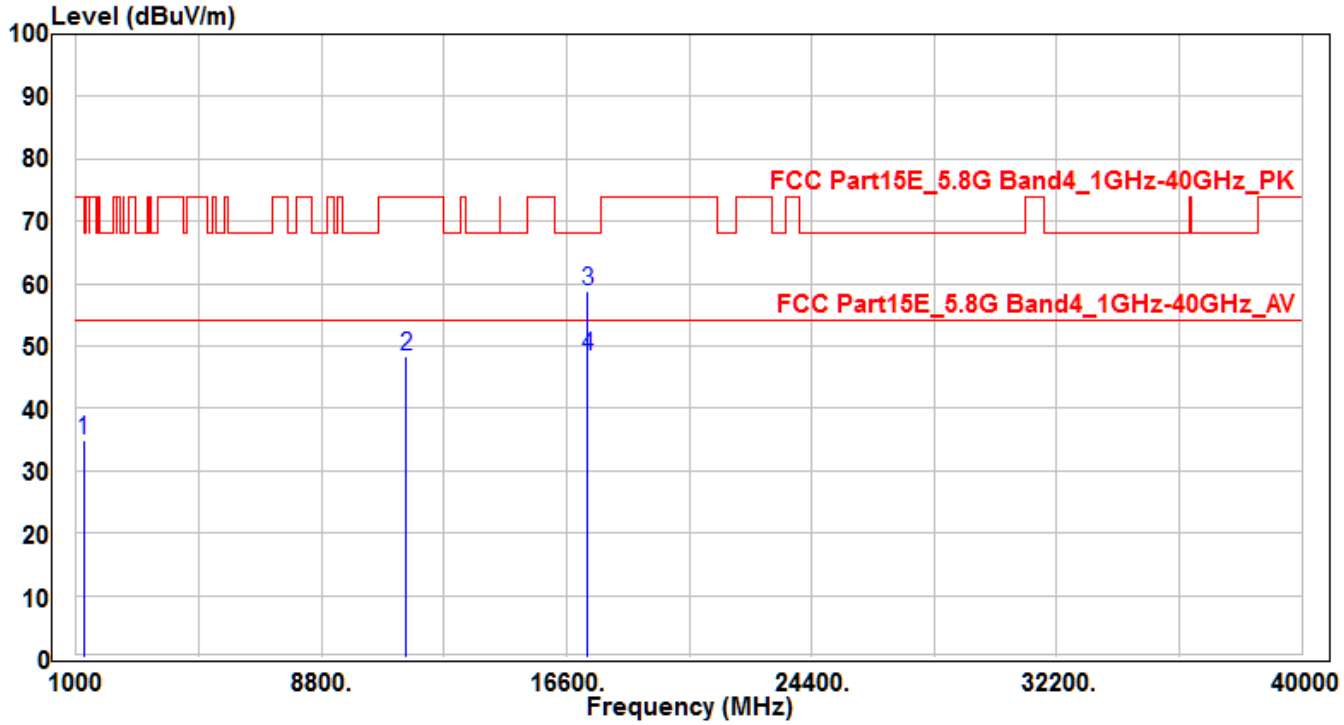


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1974.46	42.15	-4	38.15	-35.85	74	100	400	Peak
2		10460	30.46	17.79	48.25	-25.75	74	100	400	Peak
3	*	15690	32.27	21.29	53.56	-20.44	74	100	360	Peak
4	*	15690	21.16	21.29	42.45	-11.55	54	100	360	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE3 -CH151_Ant 0+1	Test Voltage	AC 120V/60Hz

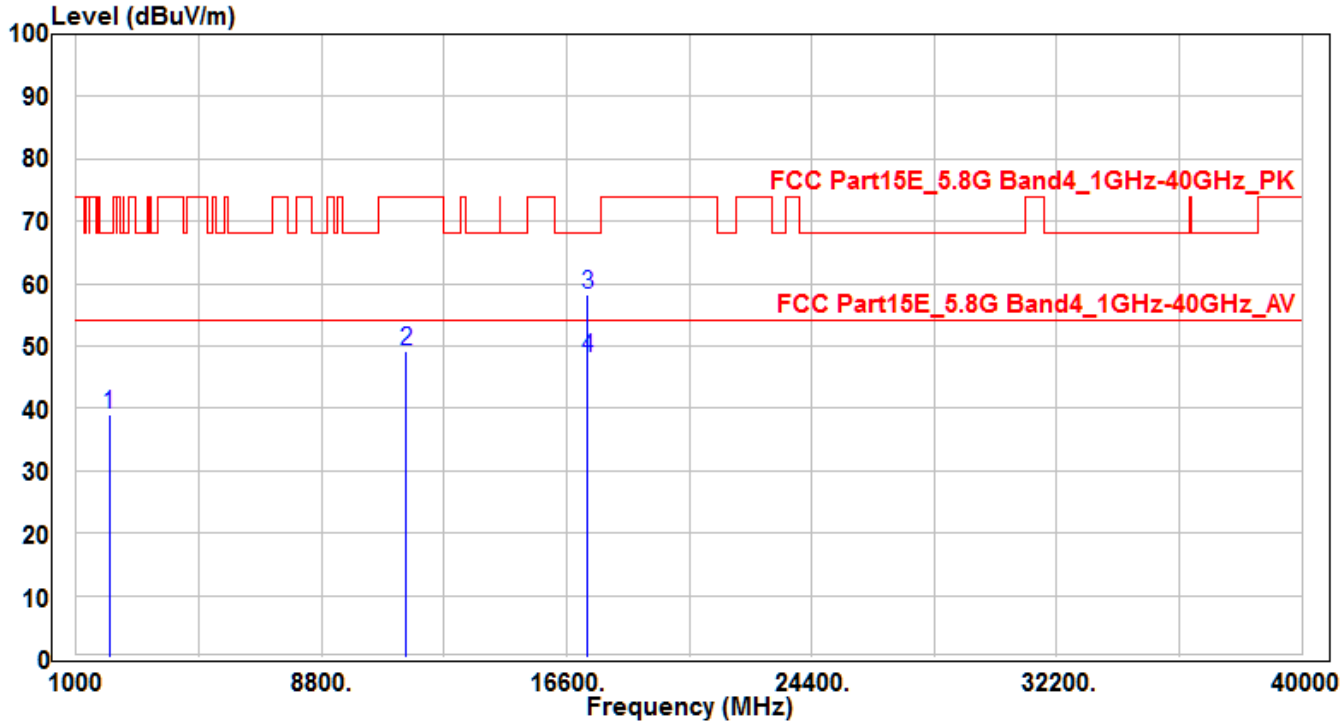


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1246.5	41.48	-6.66	34.82	-33.38	68.2	100	400	Peak
2		11510	29.11	19.25	48.36	-25.64	74	100	400	Peak
3	*	17265	30.82	27.99	58.81	-9.39	68.2	100	390	Peak
4	*	17265	20.29	27.99	48.28	-5.72	54	100	390	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE3 -CH151_Ant 0+1	Test Voltage	AC 120V/60Hz

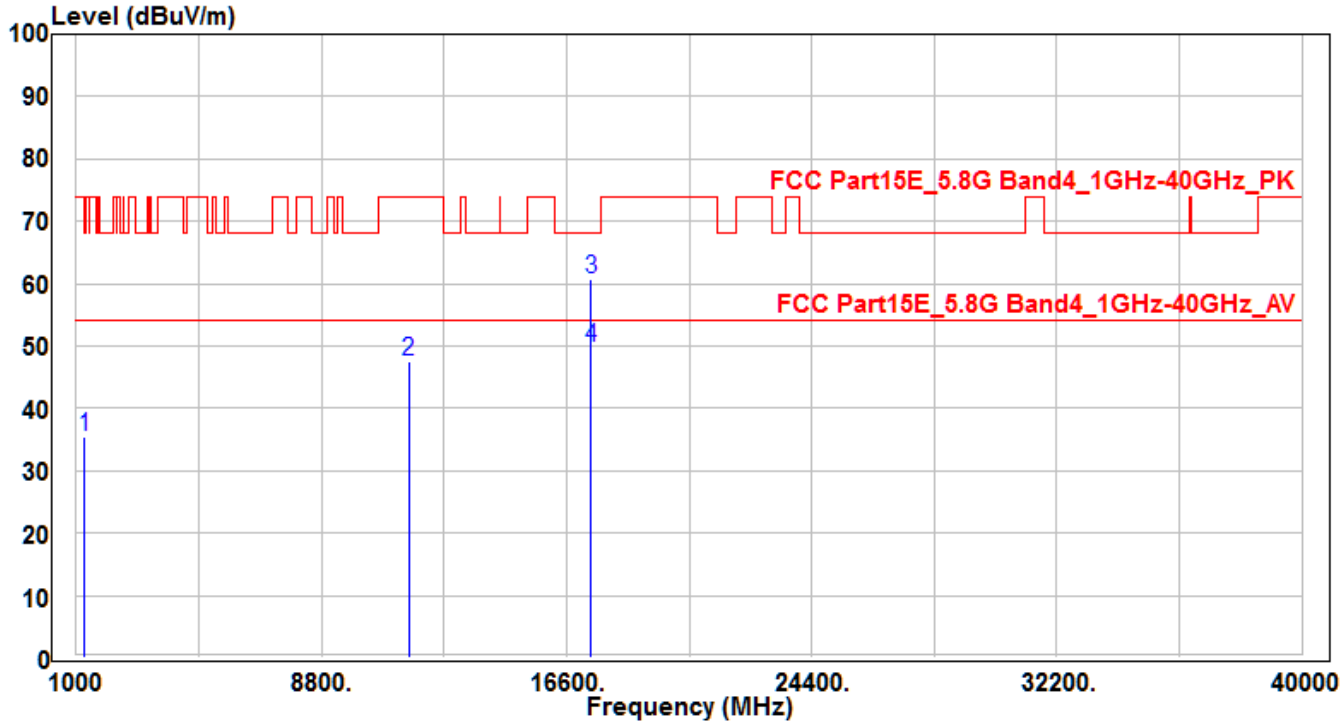


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		2043.01	42.68	-3.75	38.93	-29.27	68.2	100	400	Peak
2		11510	29.96	19.25	49.21	-24.79	74	100	400	Peak
3	*	17265	30.22	27.99	58.21	-9.99	68.2	100	40	Peak
4	*	17265	19.99	27.99	47.98	-6.02	54	100	40	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE3 -CH159_Ant 0+1	Test Voltage	AC 120V/60Hz

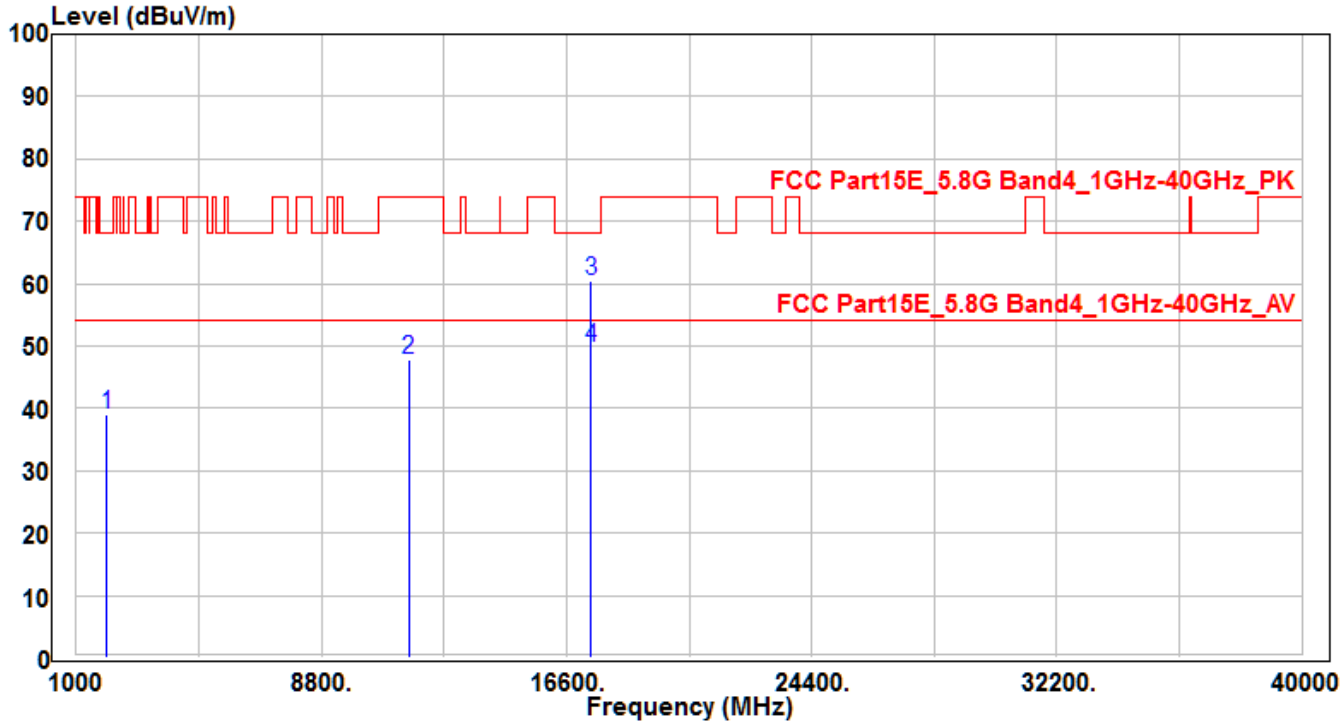


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1279.15	41.9	-6.5	35.4	-32.8	68.2	100	400	Peak
2		11590	28.43	19.17	47.6	-26.4	74	100	400	Peak
3	*	17385	31.74	28.98	60.72	-7.48	68.2	100	320	Peak
4	*	17385	20.65	28.98	49.63	-4.37	54	100	320	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE3 -CH159_Ant 0+1	Test Voltage	AC 120V/60Hz

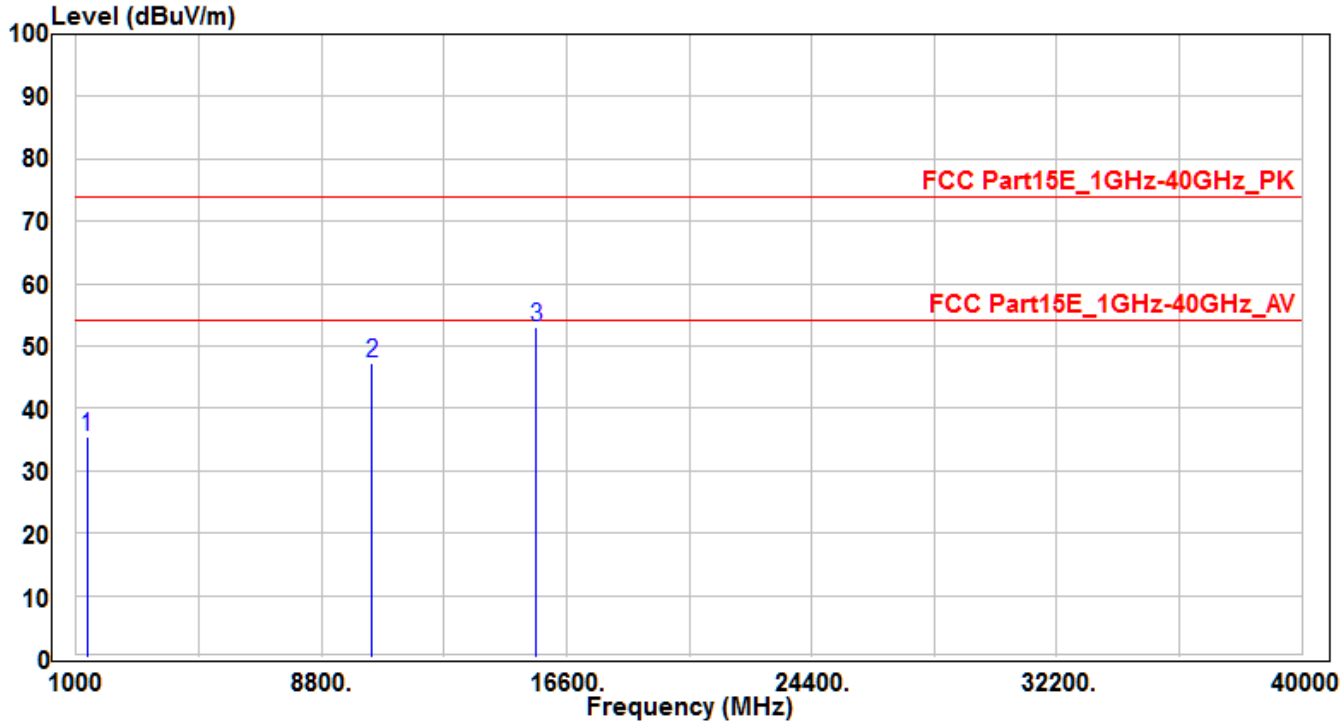


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1986.42	42.99	-3.96	39.03	-29.17	68.2	100	400	Peak
2		11590	28.59	19.17	47.76	-26.24	74	100	400	Peak
3	*	17385	31.56	28.98	60.54	-7.66	68.2	100	290	Peak
4	*	17385	20.8	28.98	49.78	-4.22	54	100	290	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE4 -CH42_Ant 0+1	Test Voltage	AC 120V/60Hz

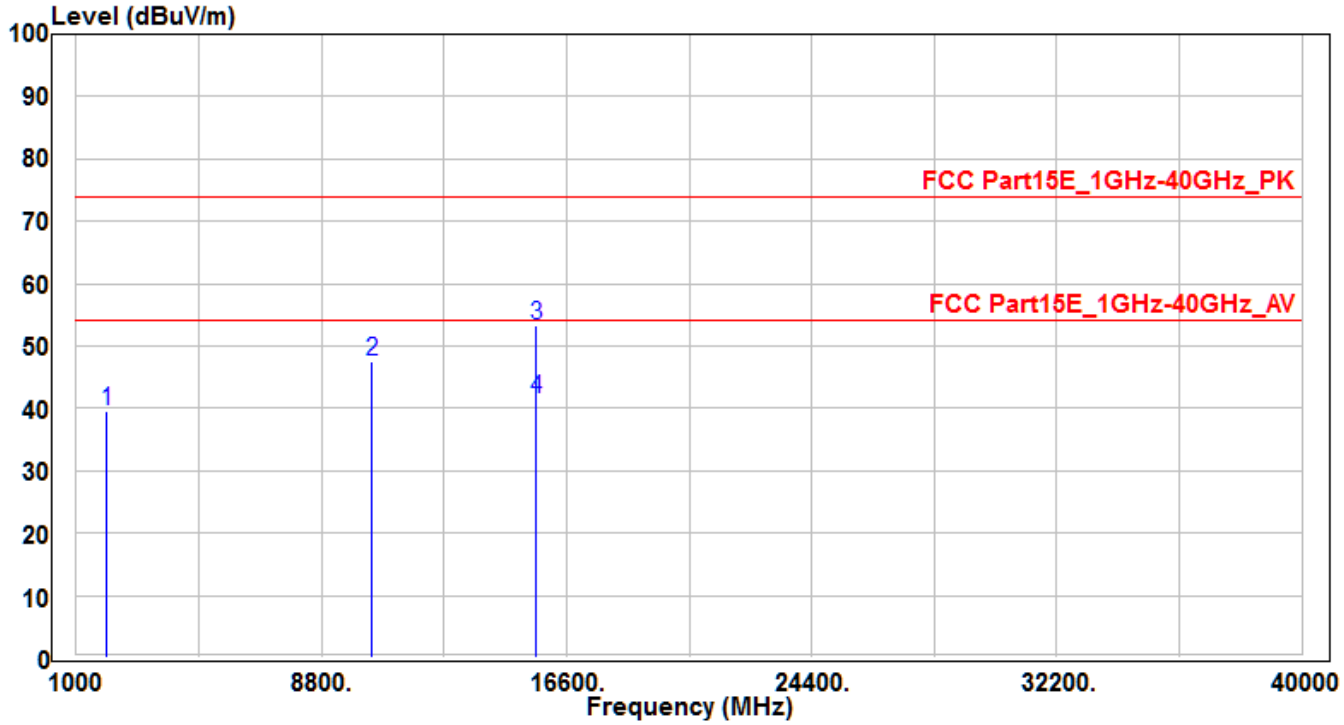


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1347.69	41.75	-6.17	35.58	-38.42	74	100	400	Peak
2		10420	29.64	17.62	47.26	-26.74	74	100	400	Peak
3	*	15630	31.42	21.5	52.92	-21.08	74	100	400	Peak

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE4 -CH42_Ant 0+1	Test Voltage	AC 120V/60Hz

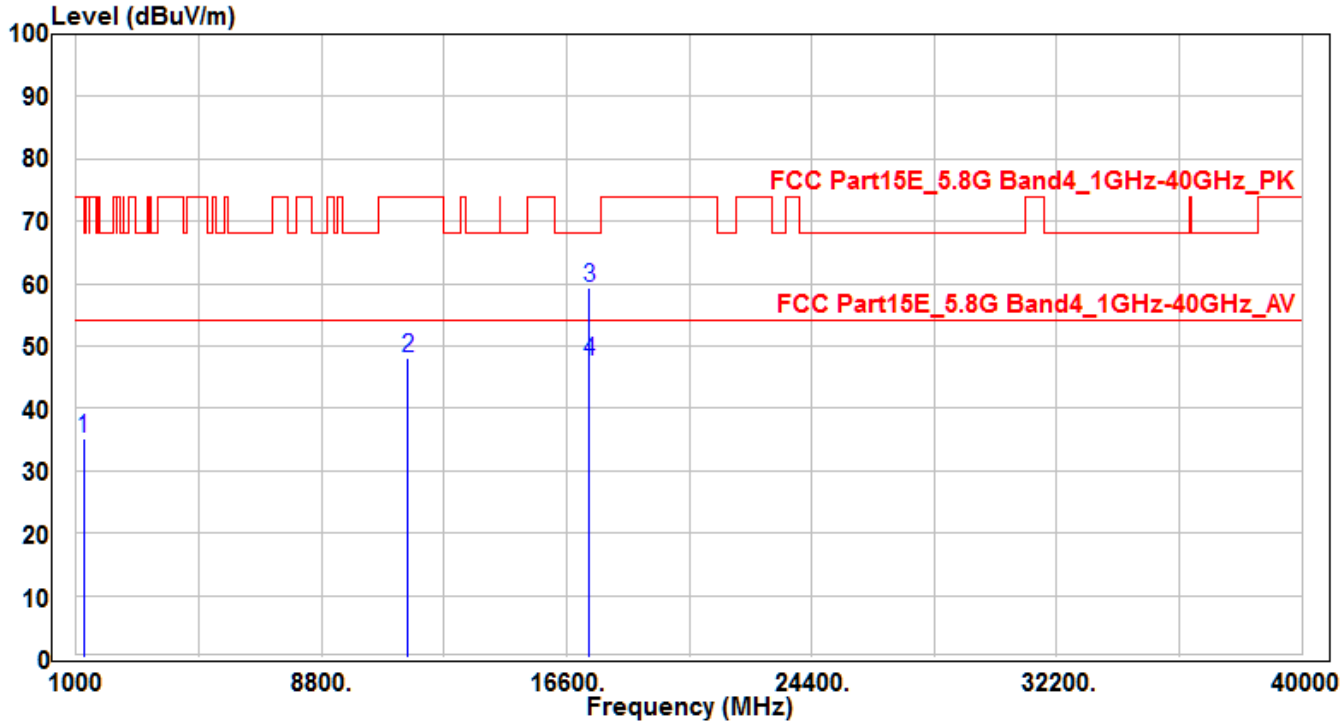


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1982.1	43.43	-3.97	39.46	-34.54	74	100	400	Peak
2		10420	29.82	17.62	47.44	-26.56	74	100	400	Peak
3	*	15630	31.86	21.5	53.36	-20.64	74	100	315	Peak
4	*	15630	20.13	21.5	41.63	-12.37	54	100	315	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE4 -CH155_Ant 0+1	Test Voltage	AC 120V/60Hz

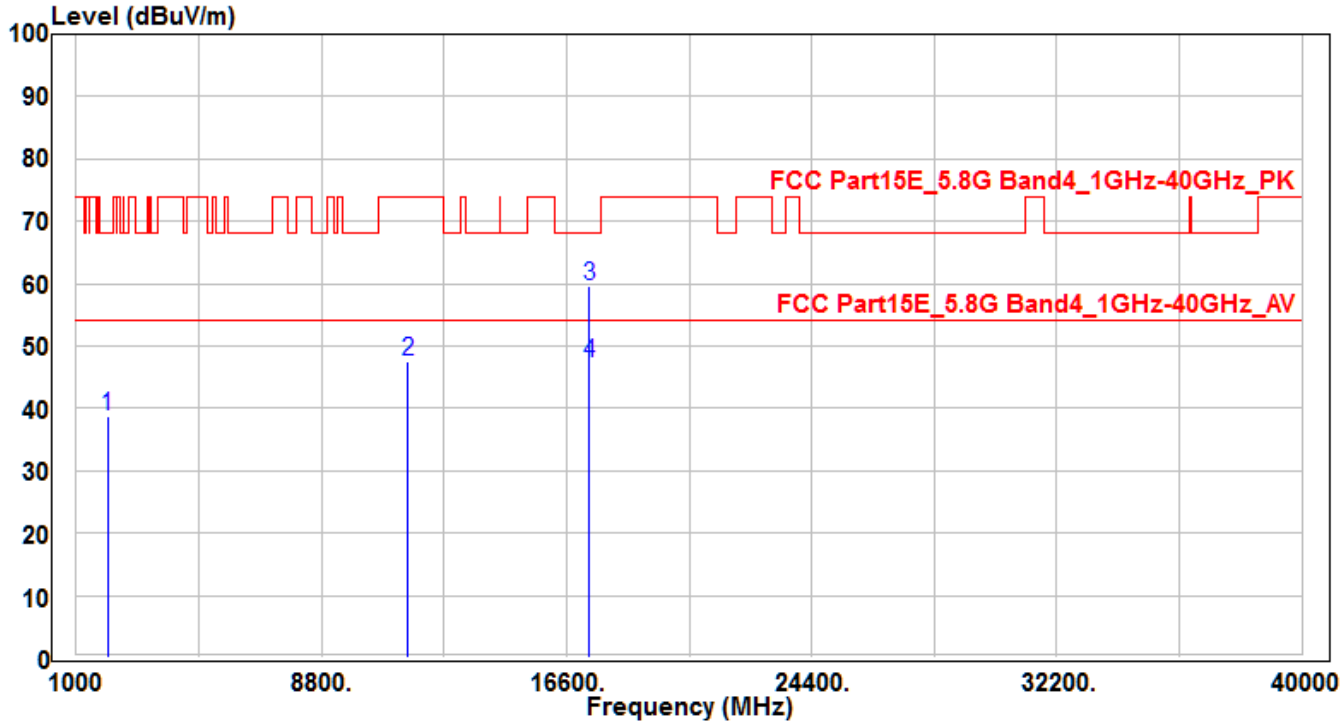


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1235.9	41.85	-6.71	35.14	-38.86	74	100	400	Peak
2		11550	28.81	19.21	48.02	-25.98	74	100	400	Peak
3	*	17325	30.77	28.49	59.26	-8.94	68.2	100	35	Peak
4	*	17325	18.94	28.49	47.43	-6.57	54	100	35	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	25°C / 60%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE4 -CH155_Ant 0+1	Test Voltage	AC 120V/60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		1990.12	42.58	-3.95	38.63	-29.57	68.2	100	400	Peak
2		11550	28.46	19.21	47.67	-26.33	74	100	400	Peak
3	*	17325	31.03	28.49	59.52	-8.68	68.2	100	10	Peak
4	*	17325	18.64	28.49	47.13	-6.87	54	100	10	Average

Note :

1. " * " means the worst value in this measurement data。
2. Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)。
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)。
4. The emission levels of other frequencies are very lower than the limit and not show in test report。

7.9. Radiated Restricted Band Edge Measurement

7.9.1.Test Limit

For 15.205 requirement:

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

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	8.25 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 – 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])
13.36 - 13.41	--	--	--

For 15.407(b) requirement:

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

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

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

For FCC transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

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.

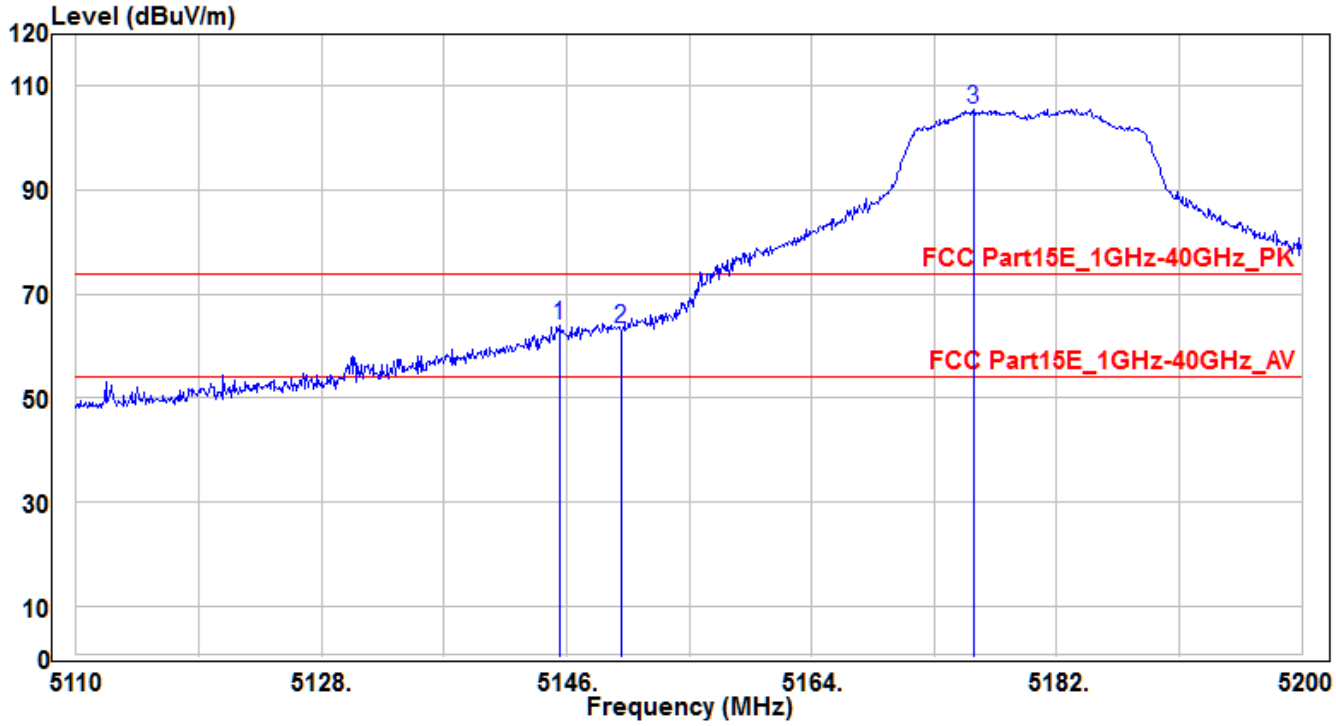
All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC-Radiated emission limits; general requirements.

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

7.9.2.Test Result

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/2
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1-CH36_Ant 0	Test Voltage	AC 120V/60Hz

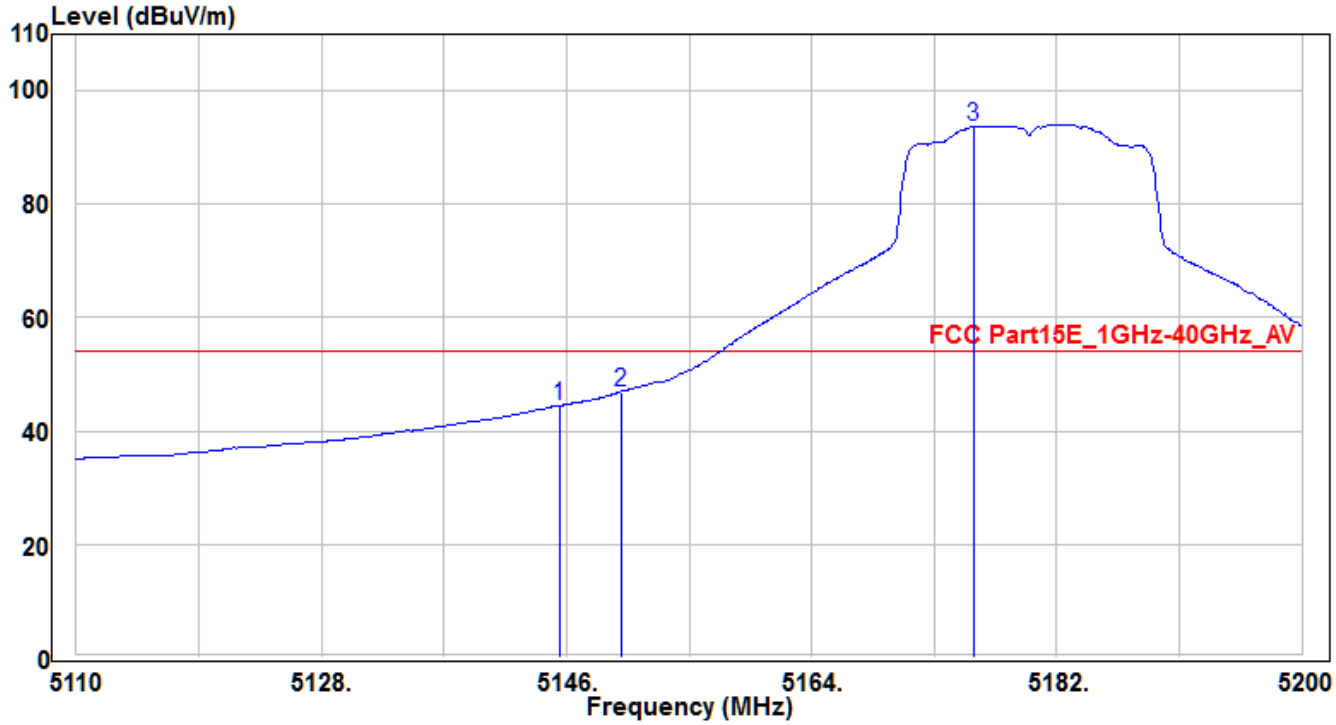


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5145.46	60.03	3.87	63.9	-10.1	74	165	140	Peak
2		5150	59.5	3.88	63.38	-10.62	74	165	140	Peak
3		5175.88	101.56	3.9	105.46	31.46	74	165	140	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/2
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1-CH36_Ant 0	Test Voltage	AC 120V/60Hz

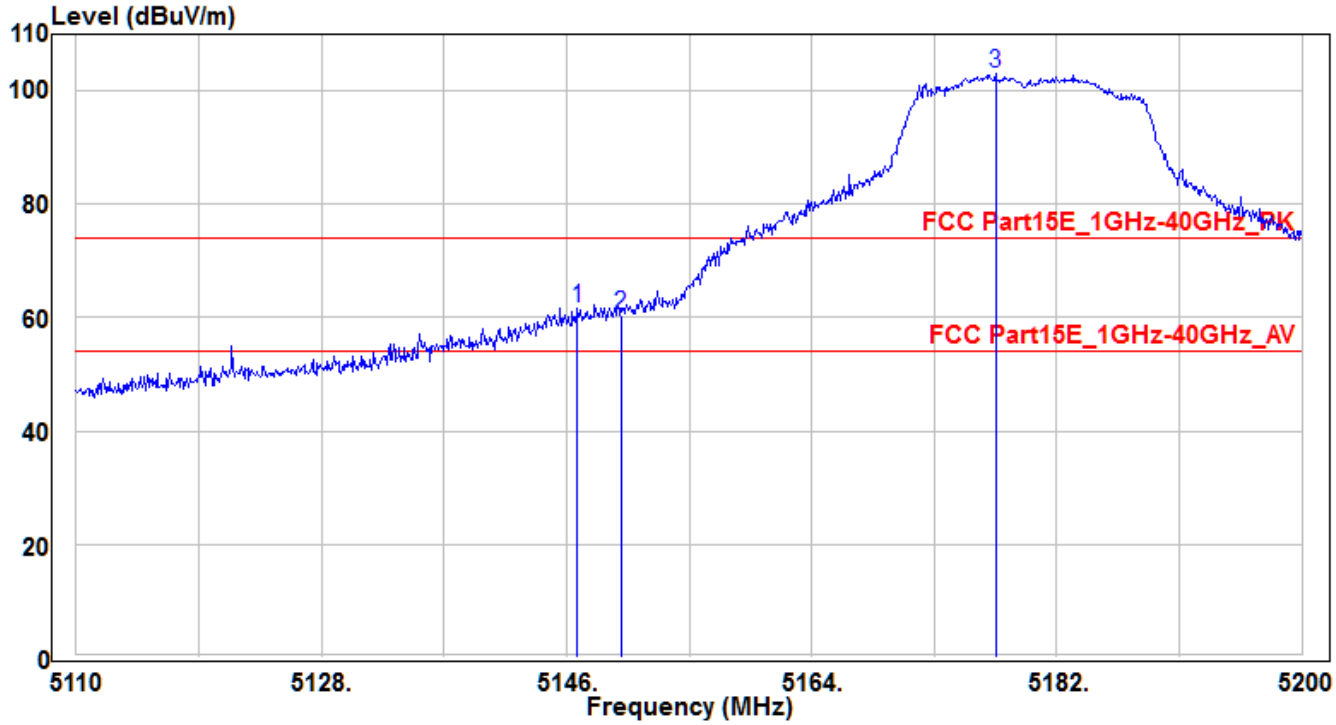


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5145.46	40.65	3.87	44.52	-9.48	54	165	140	Average
2	*	5150	43.04	3.88	46.92	-7.08	54	165	140	Average
3		5175.88	89.79	3.9	93.69	39.69	54	165	140	Average

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/2
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1-CH36_Ant 0	Test Voltage	AC 120V/60Hz

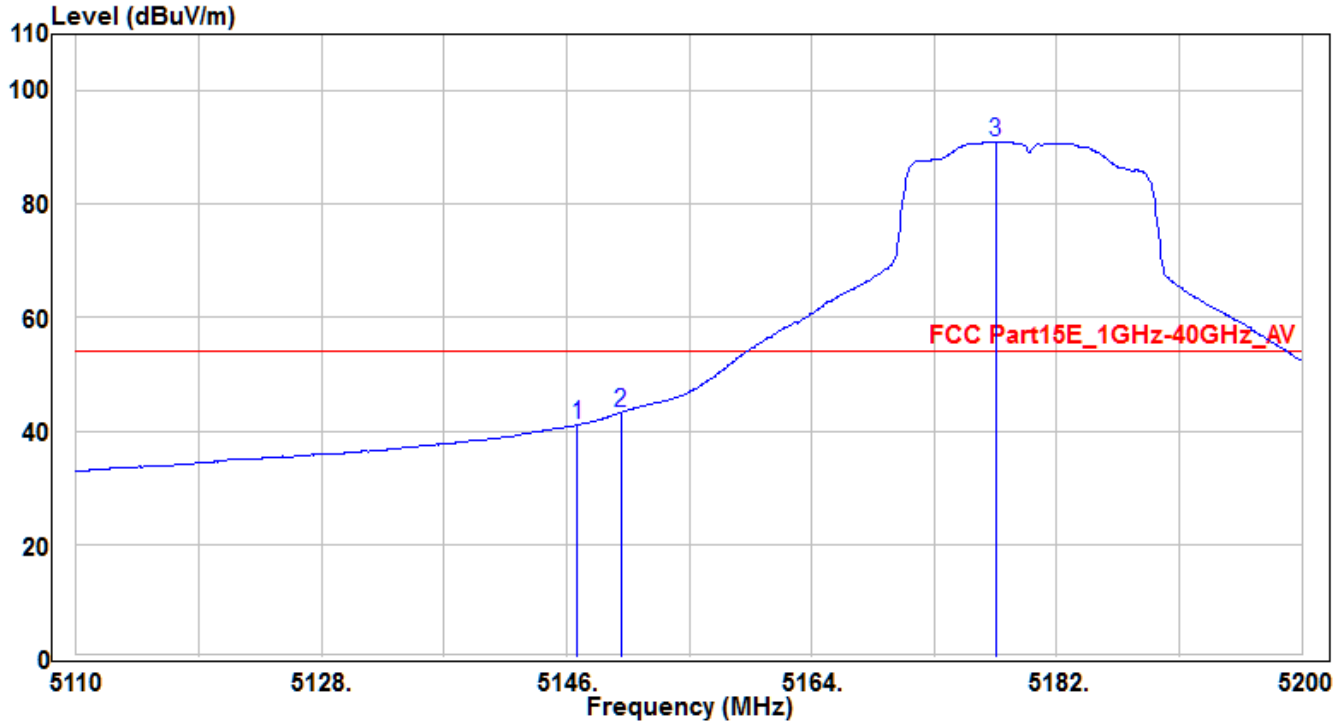


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5146.81	57.93	3.87	61.8	-12.2	74	150	290	Peak
2		5150	56.71	3.88	60.59	-13.41	74	150	290	Peak
3		5177.5	99.16	3.9	103.06	29.06	74	150	290	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/2
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1-CH36_Ant 0	Test Voltage	AC 120V/60Hz

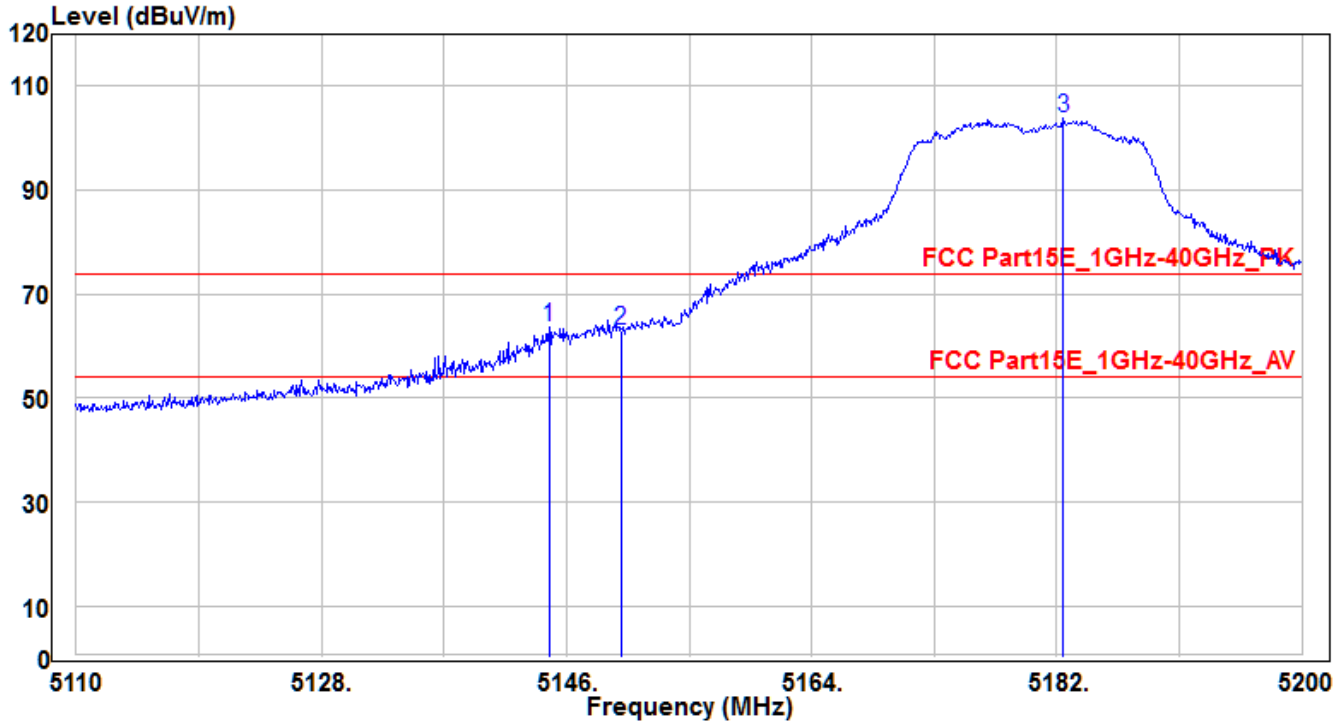


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5146.81	37.27	3.87	41.14	-12.86	54	150	290	Average
2	*	5150	39.37	3.88	43.25	-10.75	54	150	290	Average
3		5177.5	87.03	3.9	90.93	36.93	54	150	290	Average

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/2
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1-CH36_Ant 1	Test Voltage	AC 120V/60Hz

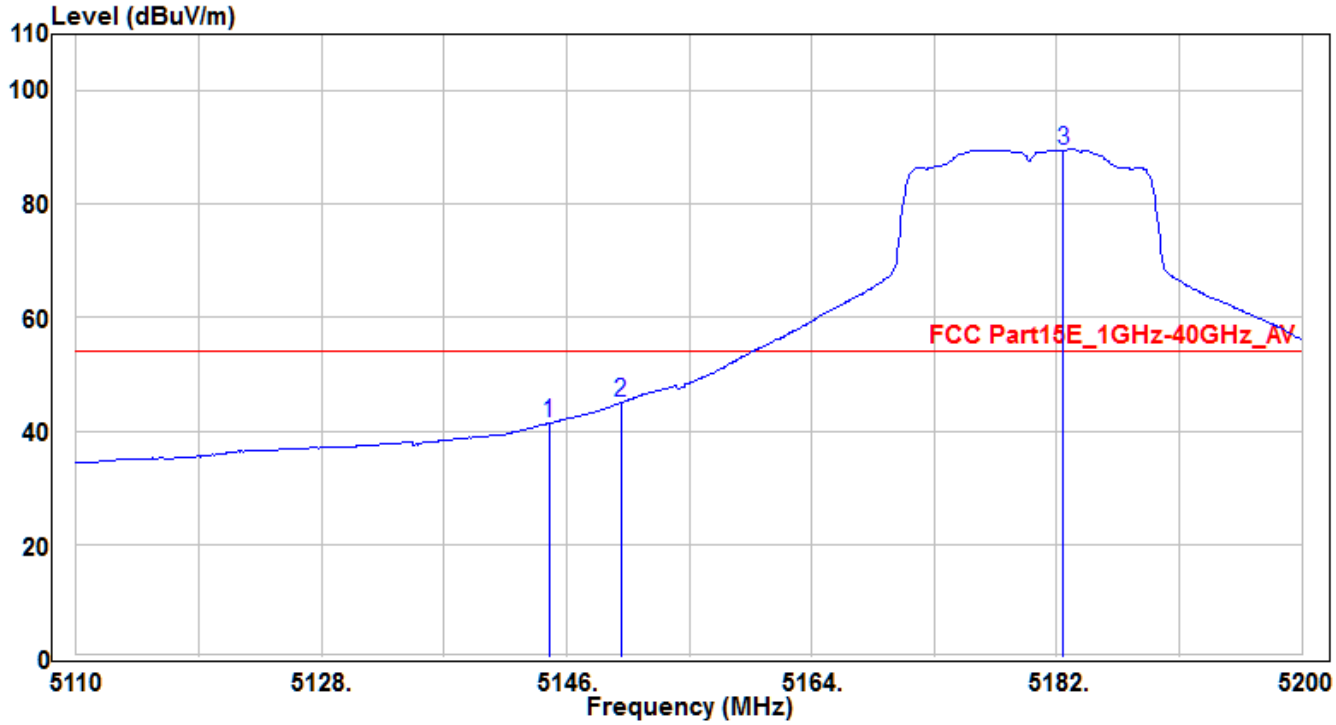


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5144.74	59.71	3.87	63.58	-10.42	74	200	145	Peak
2		5150	59.2	3.88	63.08	-10.92	74	200	145	Peak
3		5182.45	99.82	3.9	103.72	29.72	74	200	145	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/2
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1-CH36_Ant 1	Test Voltage	AC 120V/60Hz

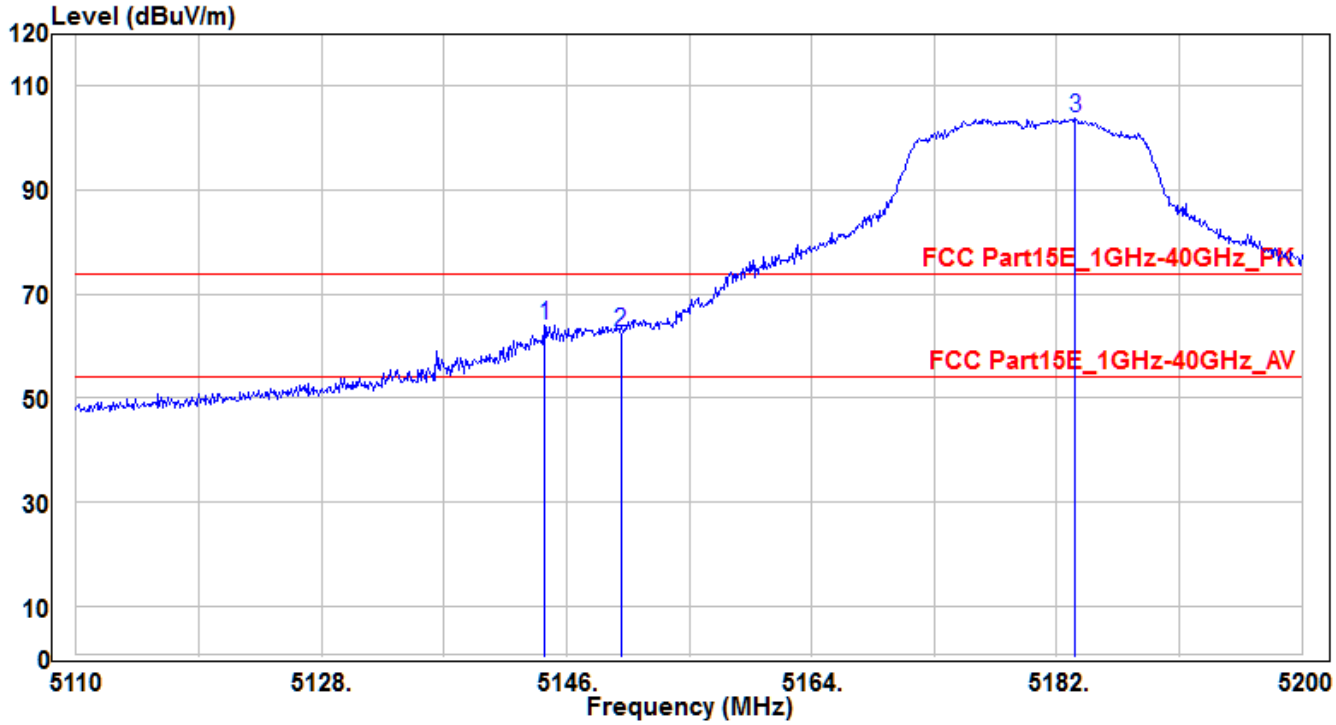


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5144.74	37.51	3.87	41.38	-12.62	54	200	145	Average
2		5150	41.17	3.88	45.05	-8.95	54	200	145	Average
3		5182.45	85.67	3.9	89.57	35.57	54	200	145	Average

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/2
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1-CH36_Ant 1	Test Voltage	AC 120V/60Hz

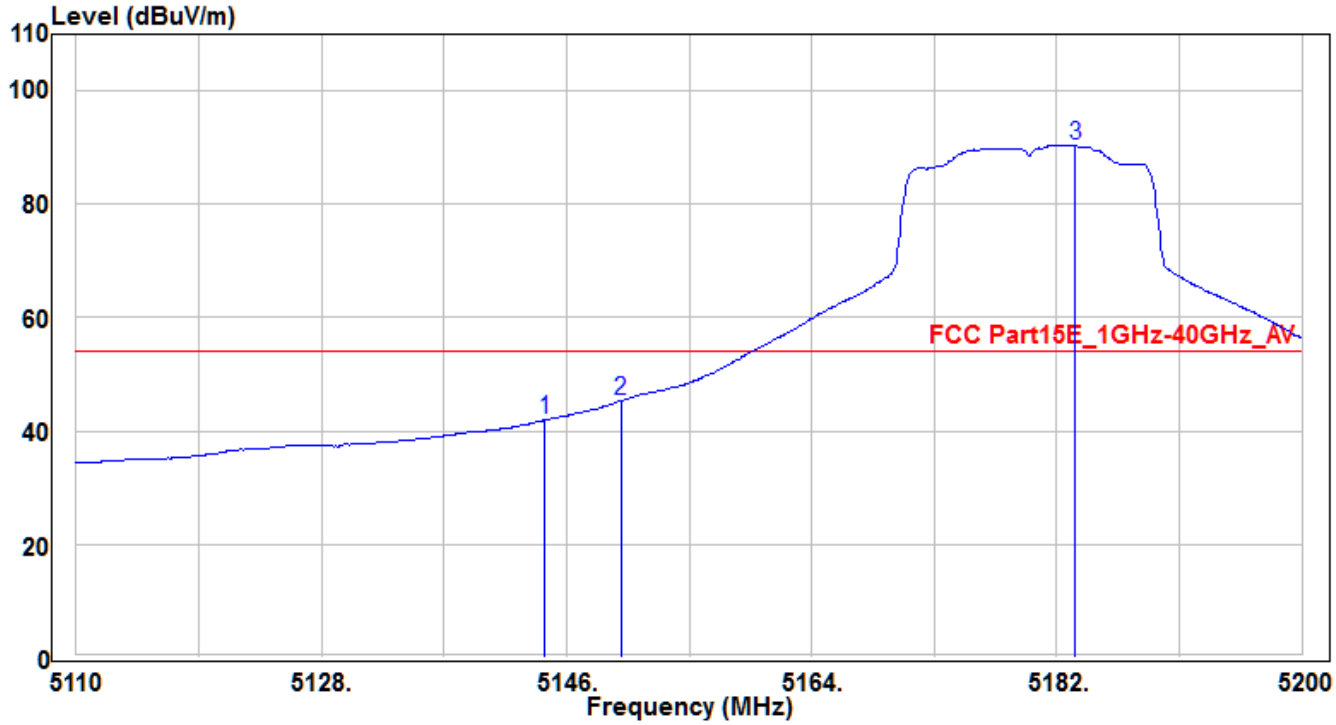


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5144.38	60.19	3.87	64.06	-9.94	74	195	95	Peak
2		5150	58.65	3.88	62.53	-11.47	74	195	95	Peak
3		5183.35	99.86	3.9	103.76	29.76	74	195	95	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/2
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1-CH36_Ant 1	Test Voltage	AC 120V/60Hz

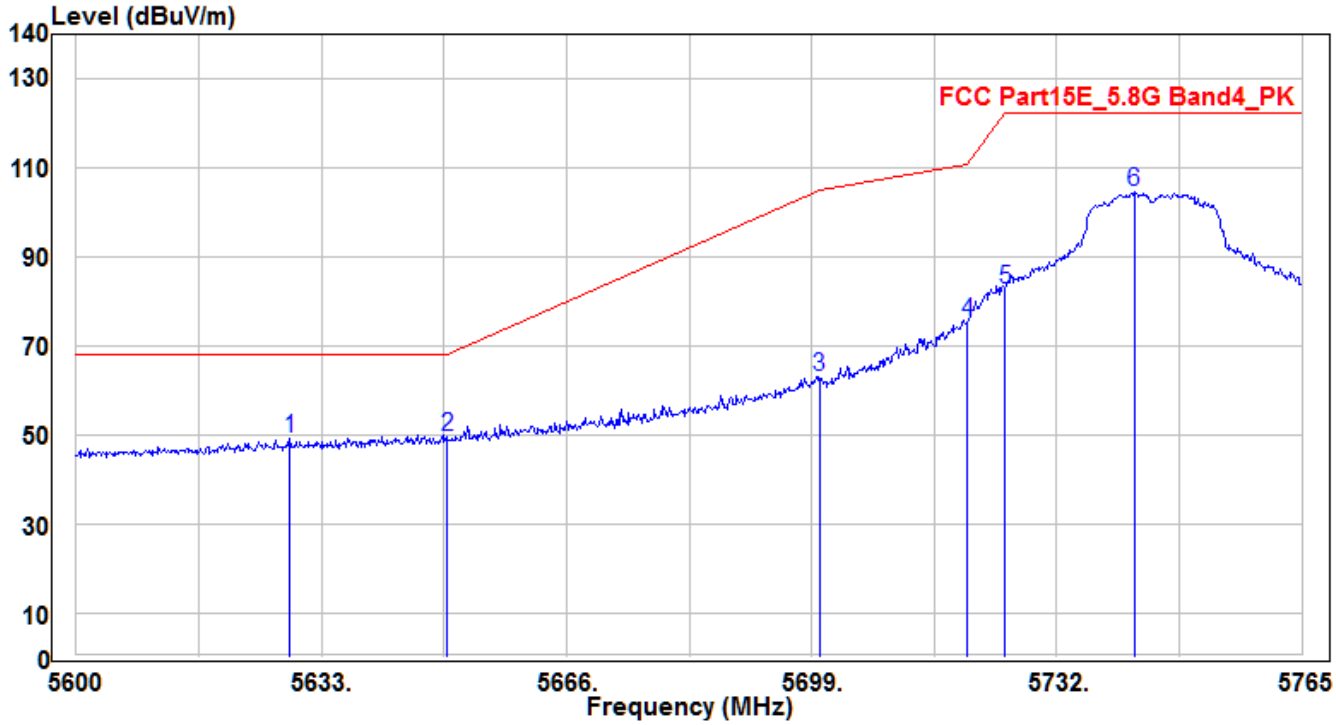


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5144.38	38.06	3.87	41.93	-12.07	54	195	95	Average
2	*	5150	41.46	3.88	45.34	-8.66	54	195	95	Average
3		5183.35	86.44	3.9	90.34	36.34	54	195	95	Average

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/2
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1-CH149_Ant 0	Test Voltage	AC 120V/60Hz

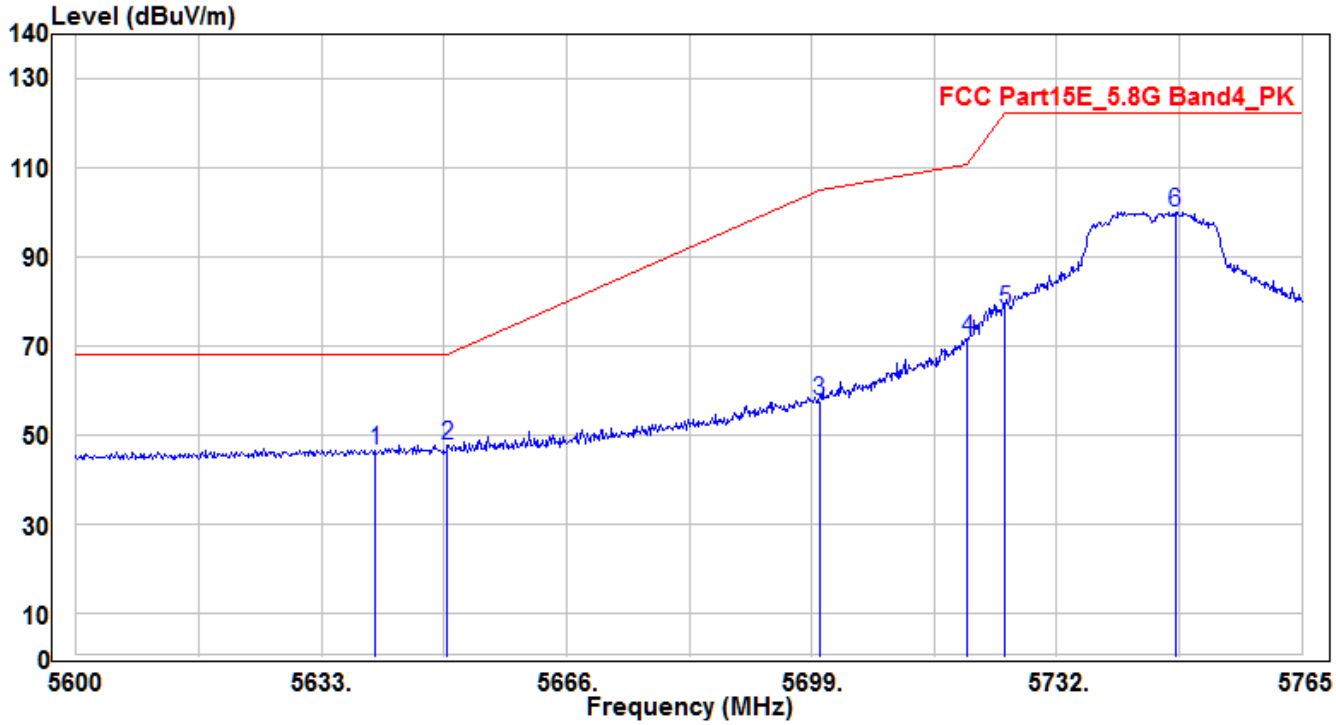


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5628.71	44.49	4.66	49.15	-19.05	68.2	190	220	Peak
2	*	5650	44.94	4.75	49.69	-18.51	68.2	190	220	Peak
3		5700	58.14	4.94	63.08	-42.12	105.2	190	220	Peak
4		5720	70.22	5.01	75.23	-35.57	110.8	190	220	Peak
5		5725	77.52	5.03	82.55	-39.65	122.2	190	220	Peak
6		5742.395	99.35	5.1	104.45	-17.75	122.2	190	220	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/2
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1-CH149_Ant 0	Test Voltage	AC 120V/60Hz

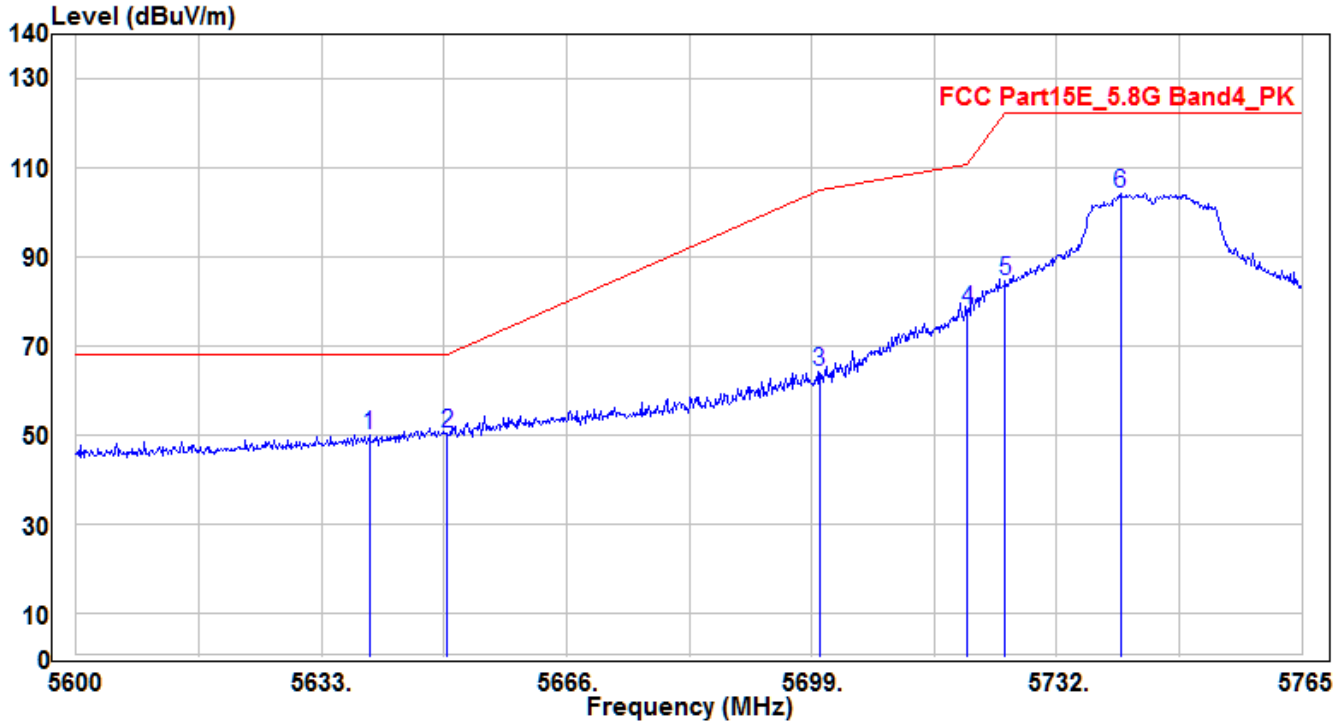


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5640.26	42.03	4.71	46.74	-21.46	68.2	190	90	Peak
2	*	5650	42.92	4.75	47.67	-20.53	68.2	190	90	Peak
3		5700	52.96	4.94	57.9	-47.3	105.2	190	90	Peak
4		5720	66.36	5.01	71.37	-39.43	110.8	190	90	Peak
5		5725	73.02	5.03	78.05	-44.15	122.2	190	90	Peak
6		5748.005	95.04	5.13	100.17	-22.03	122.2	190	90	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/2
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1-CH149_Ant 1	Test Voltage	AC 120V/60Hz

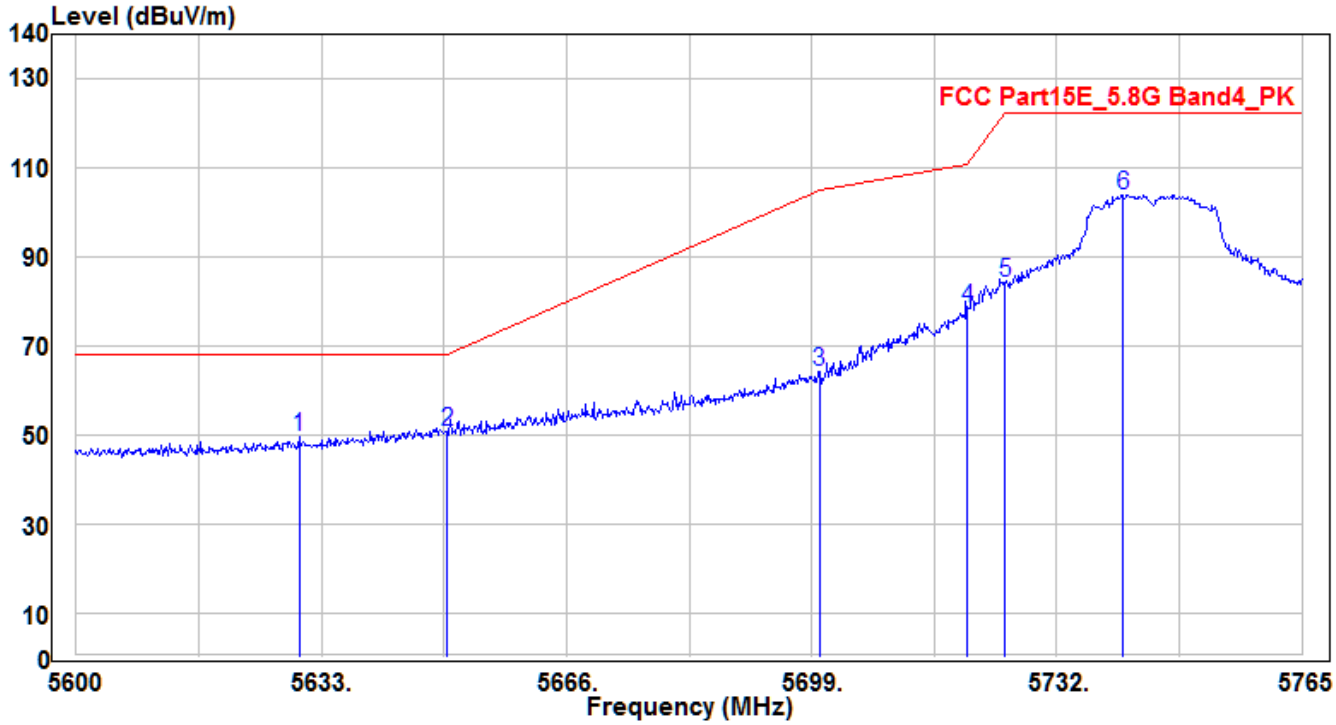


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5639.435	45.18	4.71	49.89	-18.31	68.2	230	215	Peak
2	*	5650	45.73	4.75	50.48	-17.72	68.2	230	215	Peak
3		5700	59.49	4.94	64.43	-40.77	105.2	230	215	Peak
4		5720	72.94	5.01	77.95	-32.85	110.8	230	215	Peak
5		5725	79.42	5.03	84.45	-37.75	122.2	230	215	Peak
6		5740.58	99.11	5.09	104.2	-18	122.2	230	215	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/2
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1-CH149_Ant 1	Test Voltage	AC 120V/60Hz

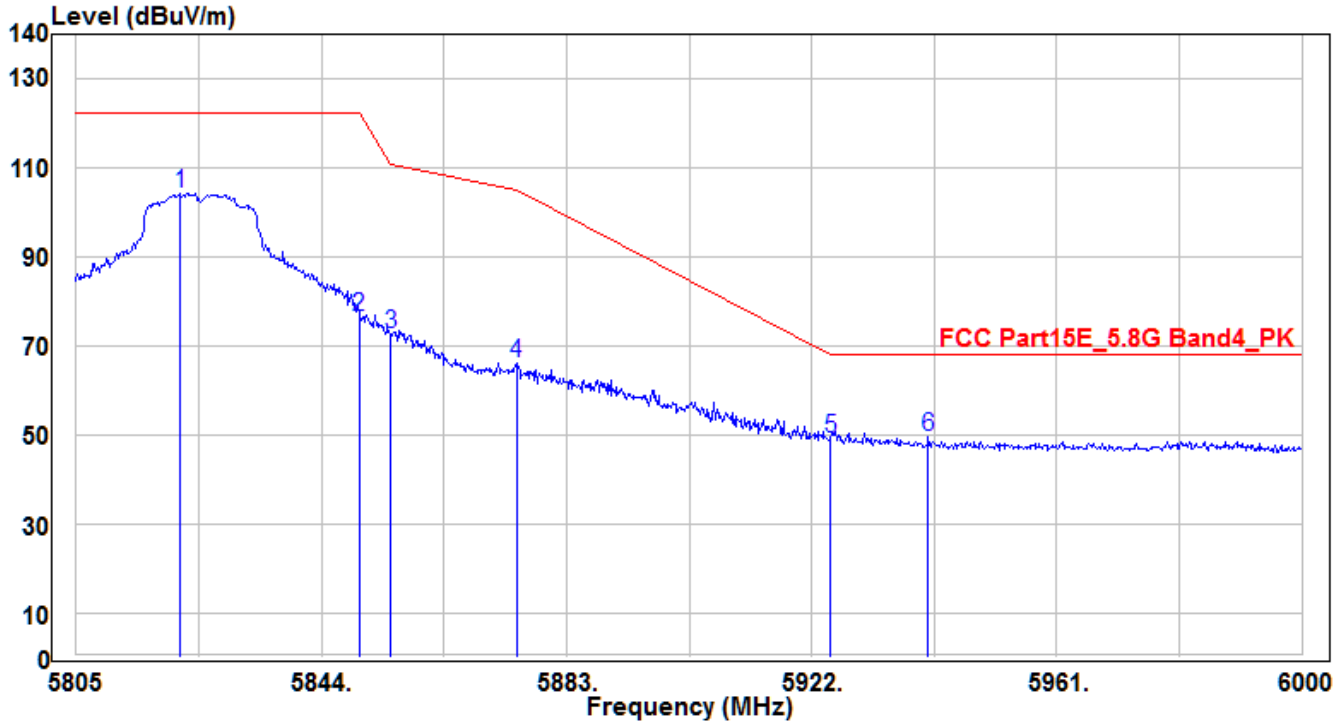


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5630.03	44.9	4.67	49.57	-18.63	68.2	180	265	Peak
2	*	5650	45.89	4.75	50.64	-17.56	68.2	180	265	Peak
3		5700	59.18	4.94	64.12	-41.08	105.2	180	265	Peak
4		5720	73.53	5.01	78.54	-32.26	110.8	180	265	Peak
5		5725	79.34	5.03	84.37	-37.83	122.2	180	265	Peak
6		5740.91	98.89	5.09	103.98	-18.22	122.2	180	265	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/2
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1-CH165_Ant 0	Test Voltage	AC 120V/60Hz

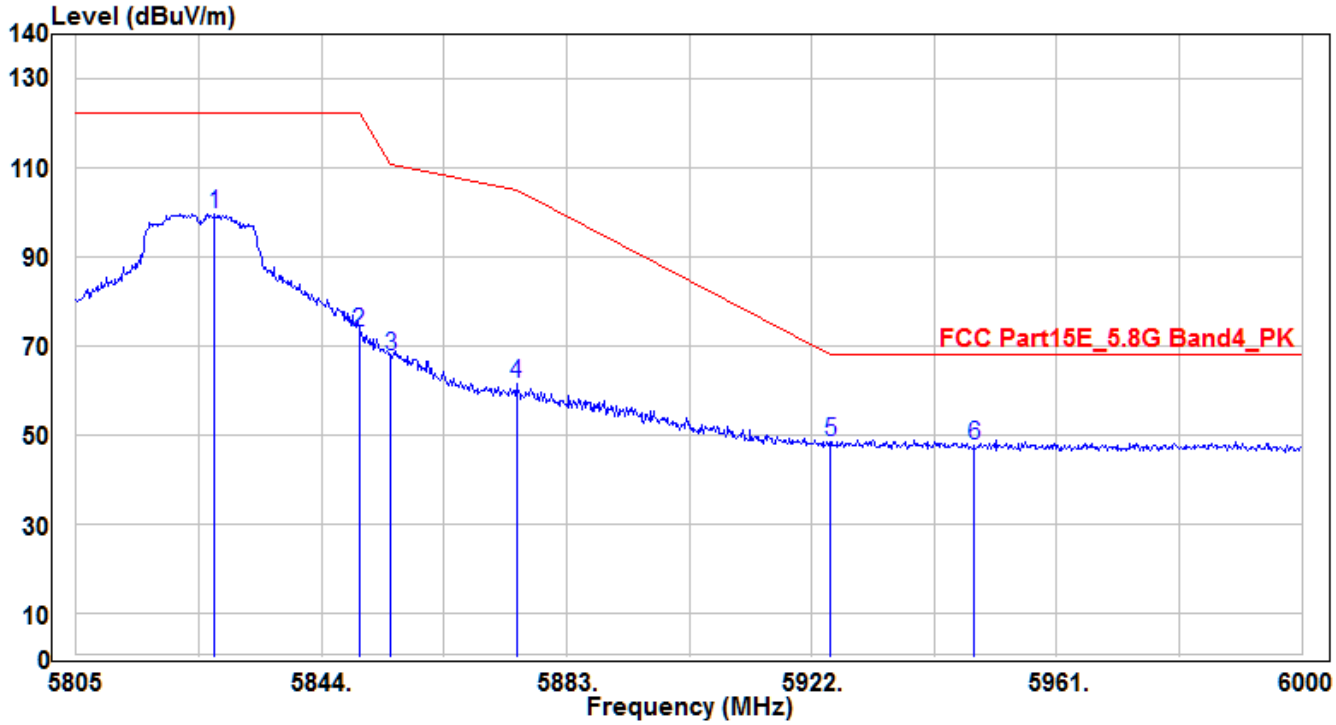


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5821.575	98.9	5.41	104.31	-17.89	122.2	175	220	Peak
2		5850	71.02	5.51	76.53	-45.67	122.2	175	220	Peak
3		5855	67.12	5.54	72.66	-38.14	110.8	175	220	Peak
4		5875.005	60.37	5.62	65.99	-39.21	105.2	175	220	Peak
5		5925	43.31	5.8	49.11	-19.09	68.2	175	220	Peak
6	*	5940.525	43.83	5.86	49.69	-18.51	68.2	175	220	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/2
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1-CH165_Ant 0	Test Voltage	AC 120V/60Hz

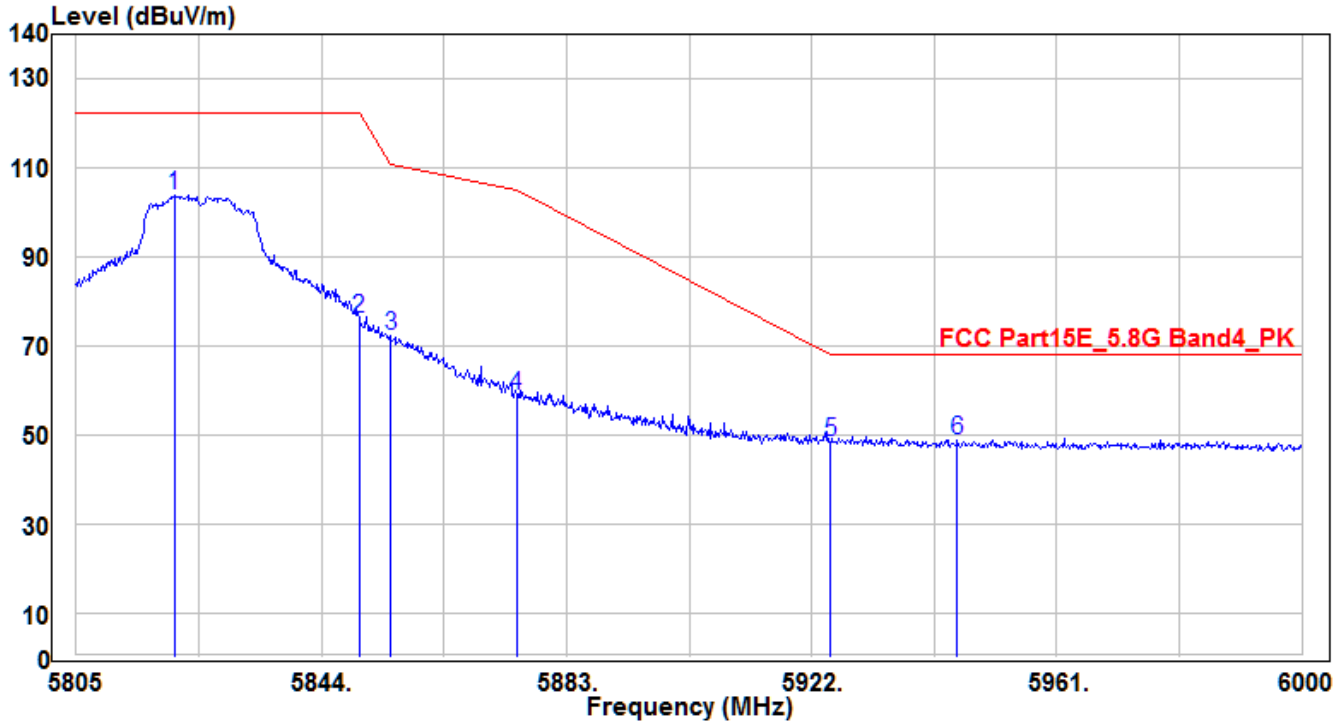


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5827.035	94.33	5.42	99.75	-22.45	122.2	250	90	Peak
2		5850	67.55	5.51	73.06	-49.14	122.2	250	90	Peak
3		5855	62.18	5.54	67.72	-43.08	110.8	250	90	Peak
4		5875	55.77	5.62	61.39	-43.81	105.2	250	90	Peak
5	*	5925	42.55	5.8	48.35	-19.85	68.2	250	90	Peak
6		5947.935	41.91	5.9	47.81	-20.39	68.2	250	90	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/2
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE1-CH165_Ant 1	Test Voltage	AC 120V/60Hz

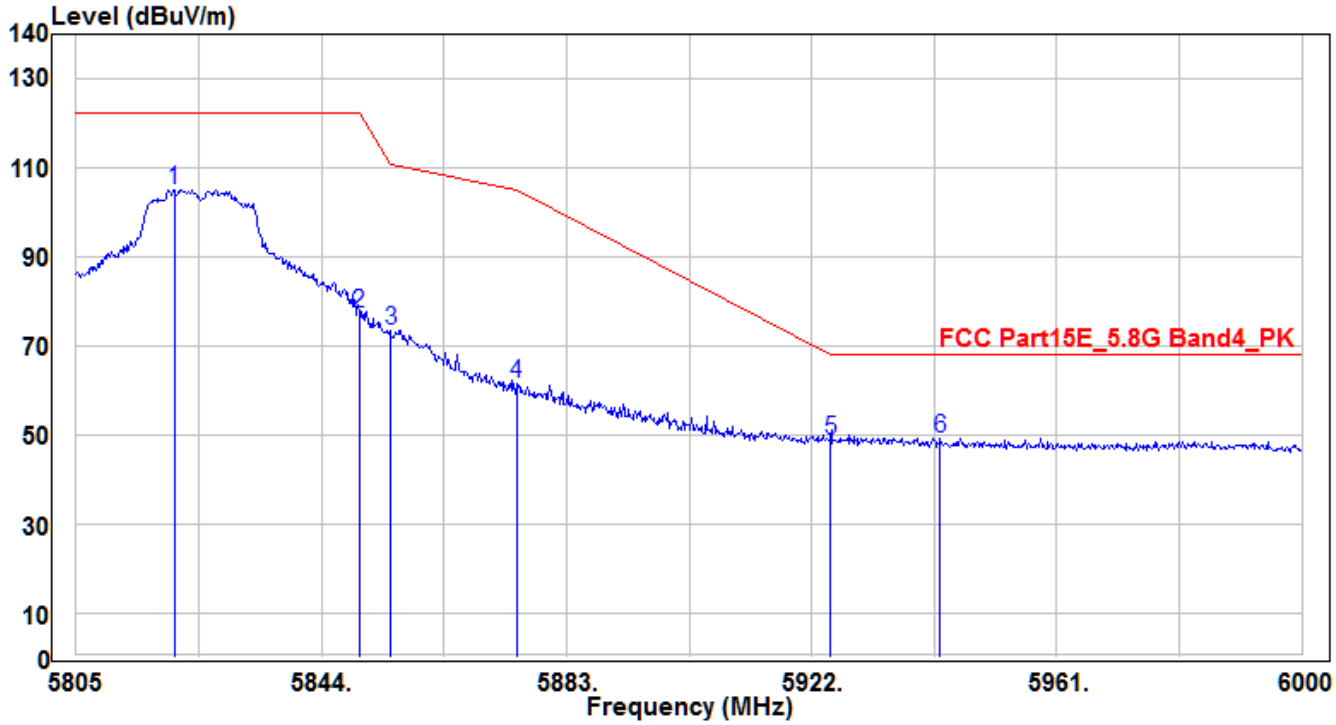


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5820.6	98.38	5.4	103.78	-18.42	122.2	155	130	Peak
2		5850	70.79	5.51	76.3	-45.9	122.2	155	130	Peak
3		5855	66.79	5.54	72.33	-38.47	110.8	155	130	Peak
4		5875	53.38	5.62	59	-46.2	105.2	155	130	Peak
5		5925	42.86	5.8	48.66	-19.54	68.2	155	130	Peak
6	*	5945.205	43.16	5.87	49.03	-19.17	68.2	155	130	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/2
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE1-CH165_Ant 1	Test Voltage	AC 120V/60Hz

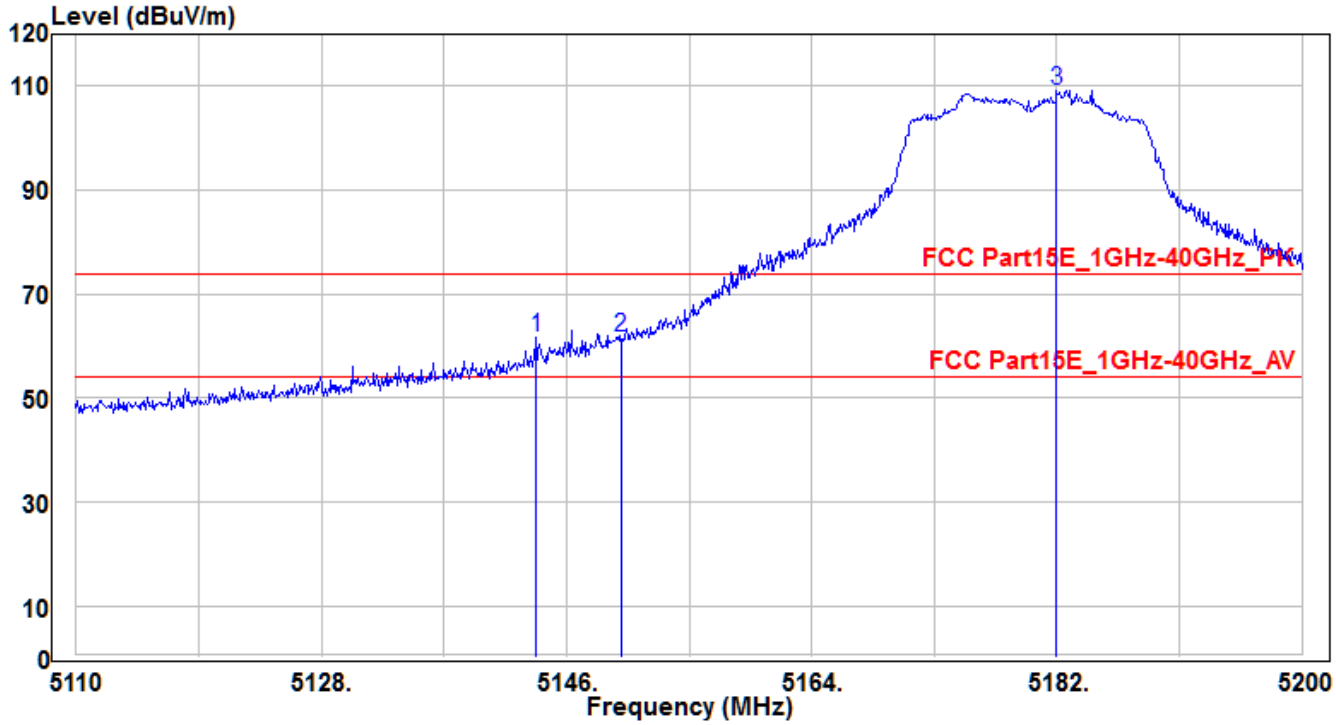


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5820.6	99.75	5.4	105.15	-17.05	122.2	210	270	Peak
2		5850	71.79	5.51	77.3	-44.9	122.2	210	270	Peak
3		5855	68.01	5.54	73.55	-37.25	110.8	210	270	Peak
4		5875	55.96	5.62	61.58	-43.62	105.2	210	270	Peak
5		5925	42.92	5.8	48.72	-19.48	68.2	210	270	Peak
6	*	5942.475	43.48	5.87	49.35	-18.85	68.2	210	270	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE2-CH36_Ant 0+1	Test Voltage	AC 120V/60Hz

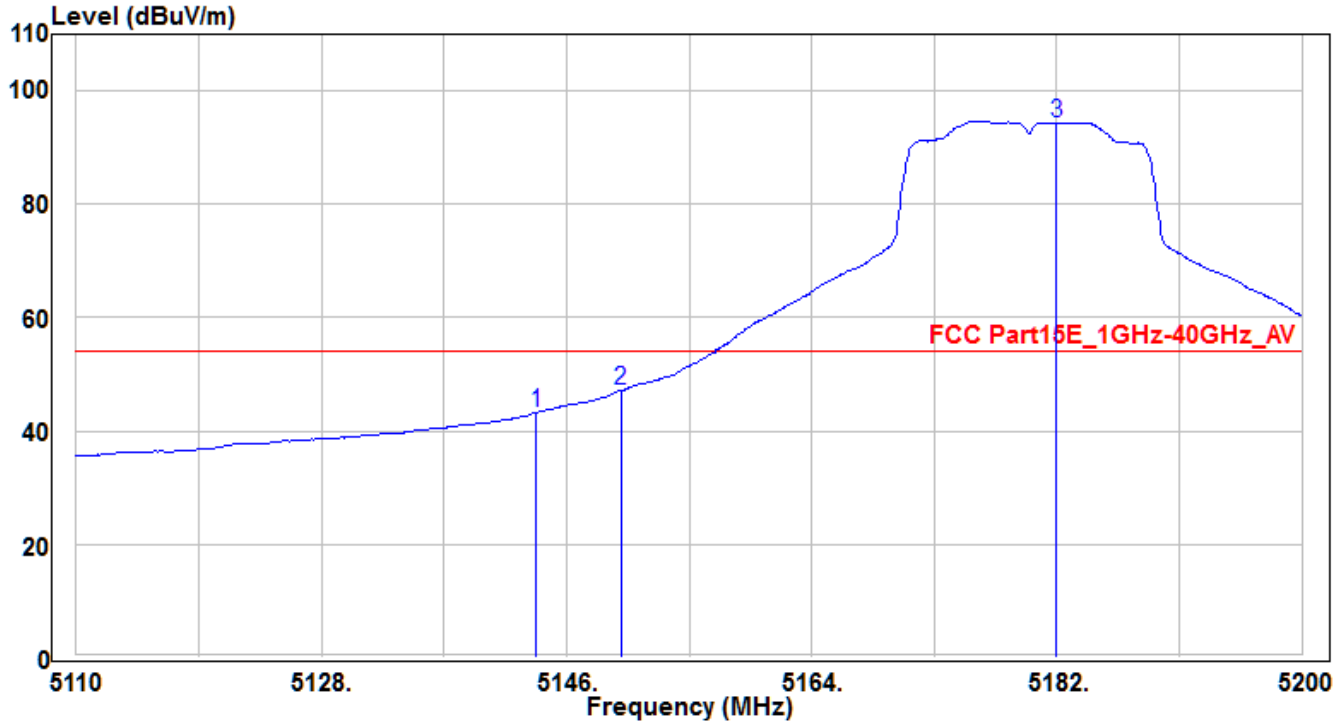


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5143.75	57.74	3.87	61.61	-12.39	74	250	145	Peak
2		5150	57.68	3.88	61.56	-12.44	74	250	145	Peak
3		5182	105.37	3.9	109.27	35.27	74	250	145	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE2-CH36_Ant 0+1	Test Voltage	AC 120V/60Hz

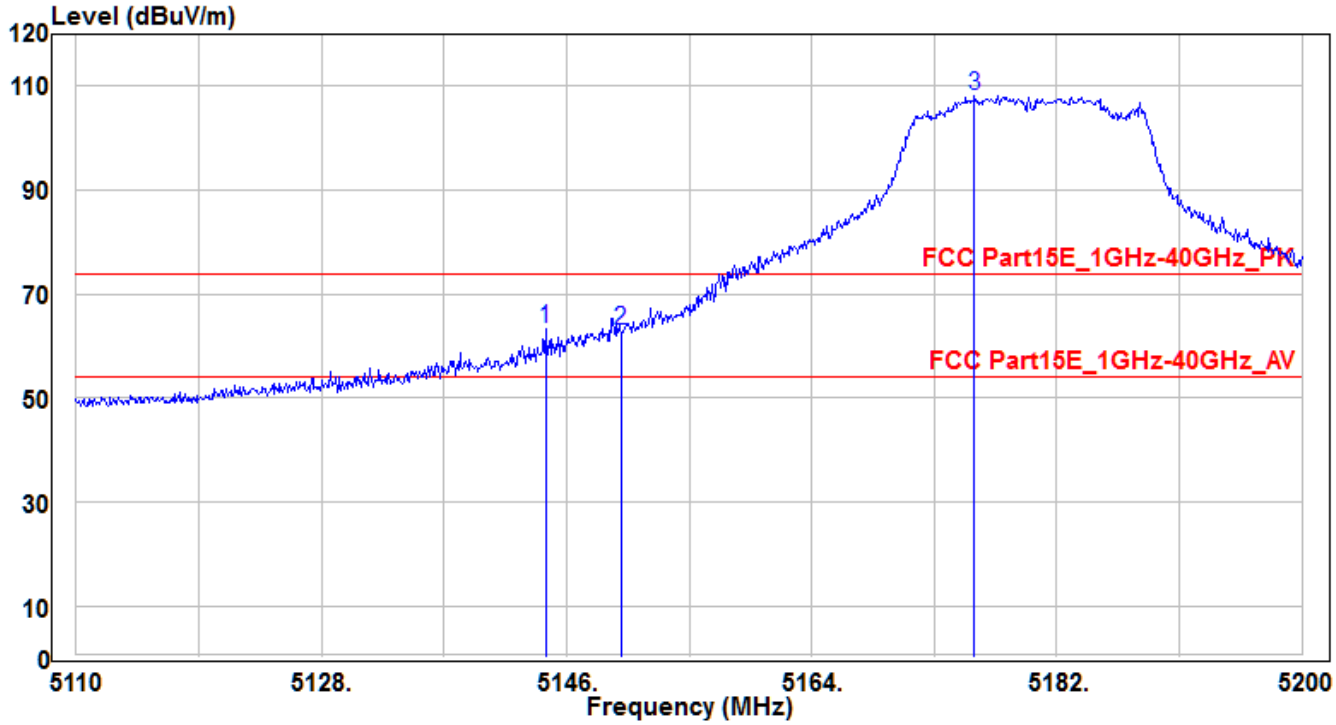


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5143.75	39.32	3.87	43.19	-10.81	54	250	145	Average
2	*	5150	43.26	3.88	47.14	-6.86	54	250	145	Average
3		5182	90.46	3.9	94.36	40.36	54	250	145	Average

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE2-CH36_Ant 0+1	Test Voltage	AC 120V/60Hz

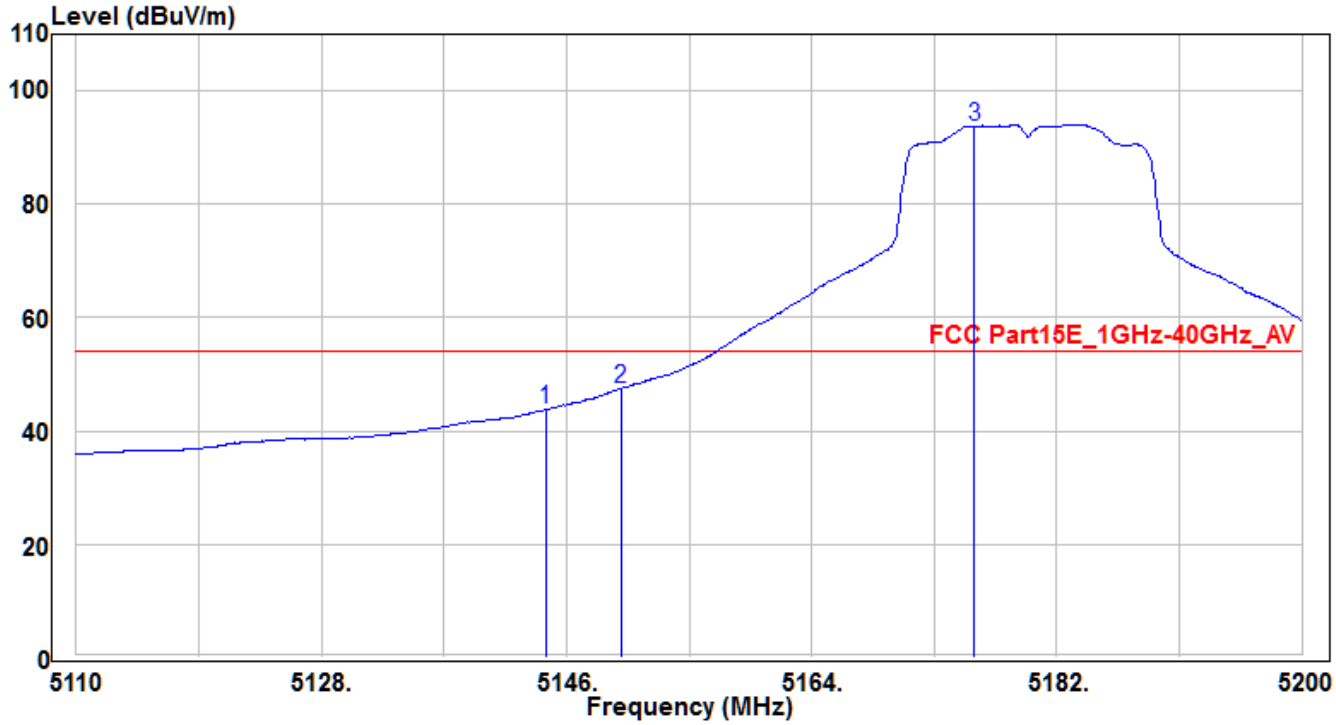


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5144.47	59.45	3.87	63.32	-10.68	74	240	90	Peak
2		5150	59.04	3.88	62.92	-11.08	74	240	90	Peak
3		5175.97	104.13	3.9	108.03	34.03	74	240	90	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE2-CH36_Ant 0+1	Test Voltage	AC 120V/60Hz

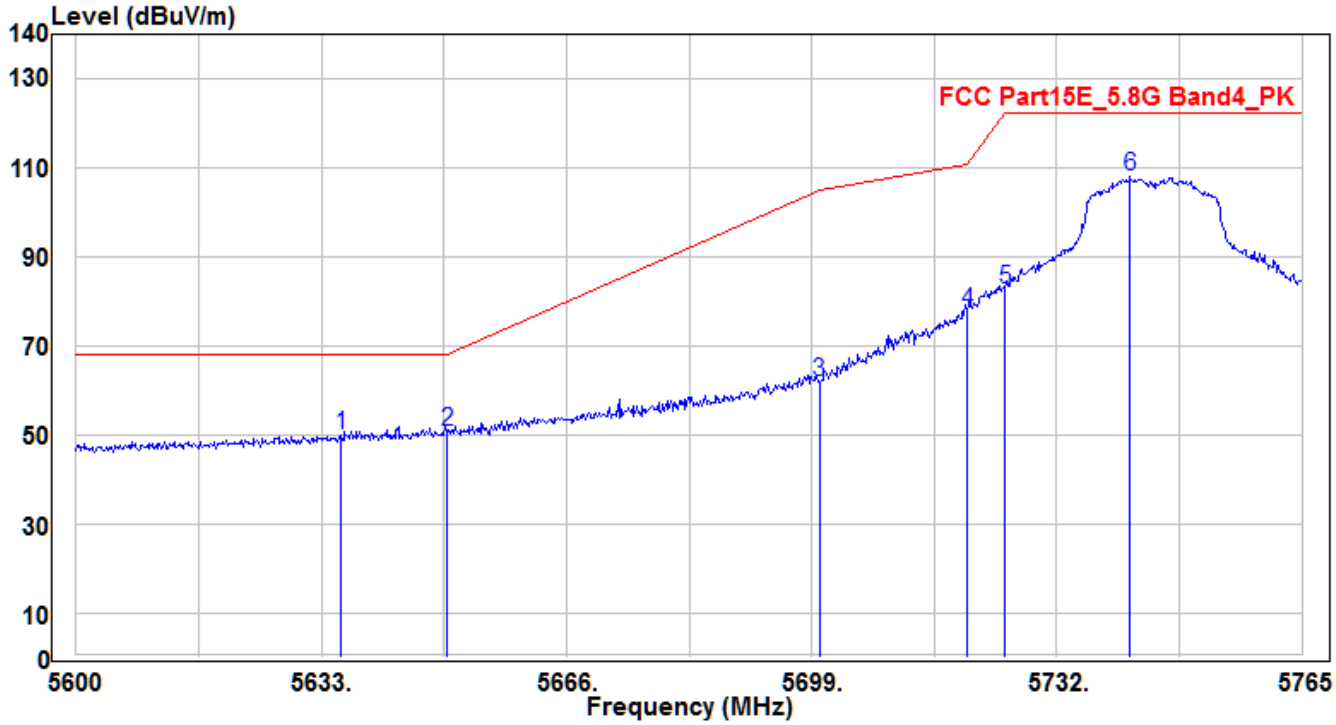


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5144.47	39.9	3.87	43.77	-10.23	54	240	90	Average
2	*	5150	43.66	3.88	47.54	-6.46	54	240	90	Average
3		5175.97	89.82	3.9	93.72	39.72	54	240	90	Average

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE2-CH149_Ant 0+1	Test Voltage	AC 120V/60Hz

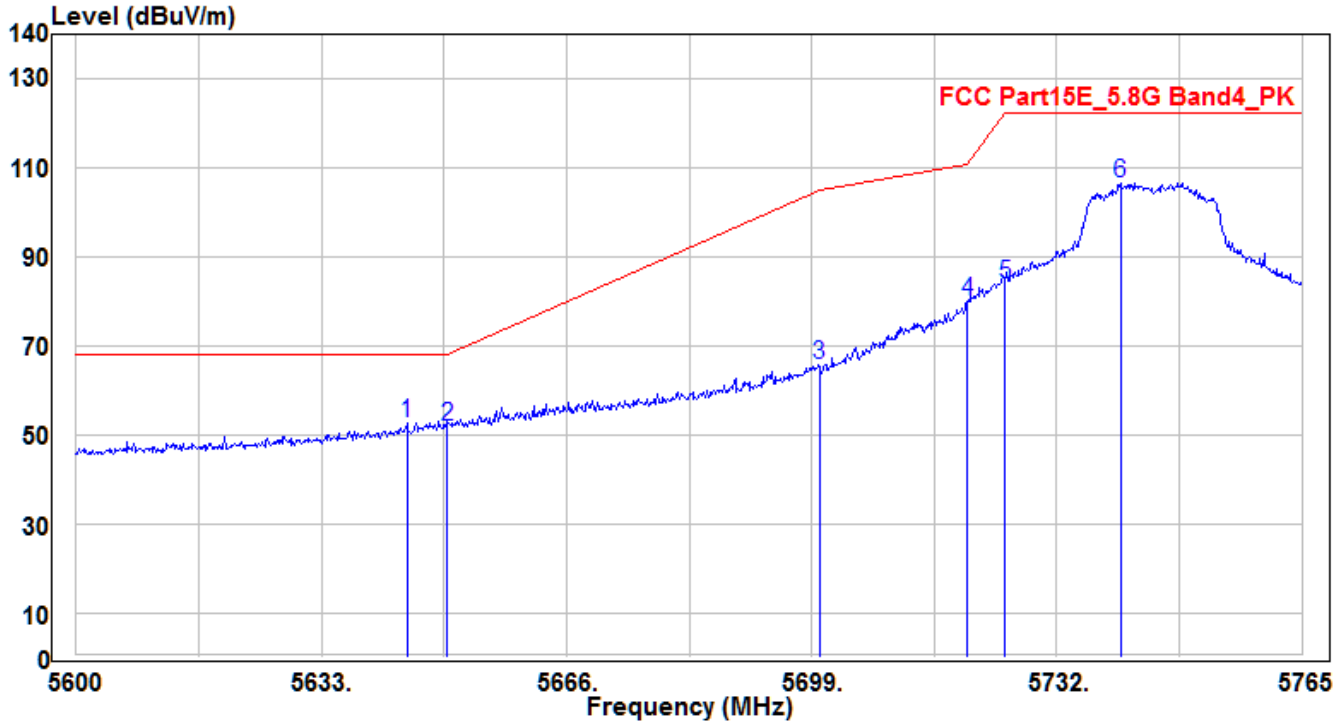


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5635.64	45.19	4.68	49.87	-18.33	68.2	175	220	Peak
2	*	5650	46.06	4.75	50.81	-17.39	68.2	175	220	Peak
3		5700	57.15	4.94	62.09	-43.11	105.2	175	220	Peak
4		5720	72.7	5.01	77.71	-33.09	110.8	175	220	Peak
5		5725	77.86	5.03	82.89	-39.31	122.2	175	220	Peak
6		5741.9	102.9	5.1	108	-14.2	122.2	175	220	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE2-CH149_Ant 0+1	Test Voltage	AC 120V/60Hz

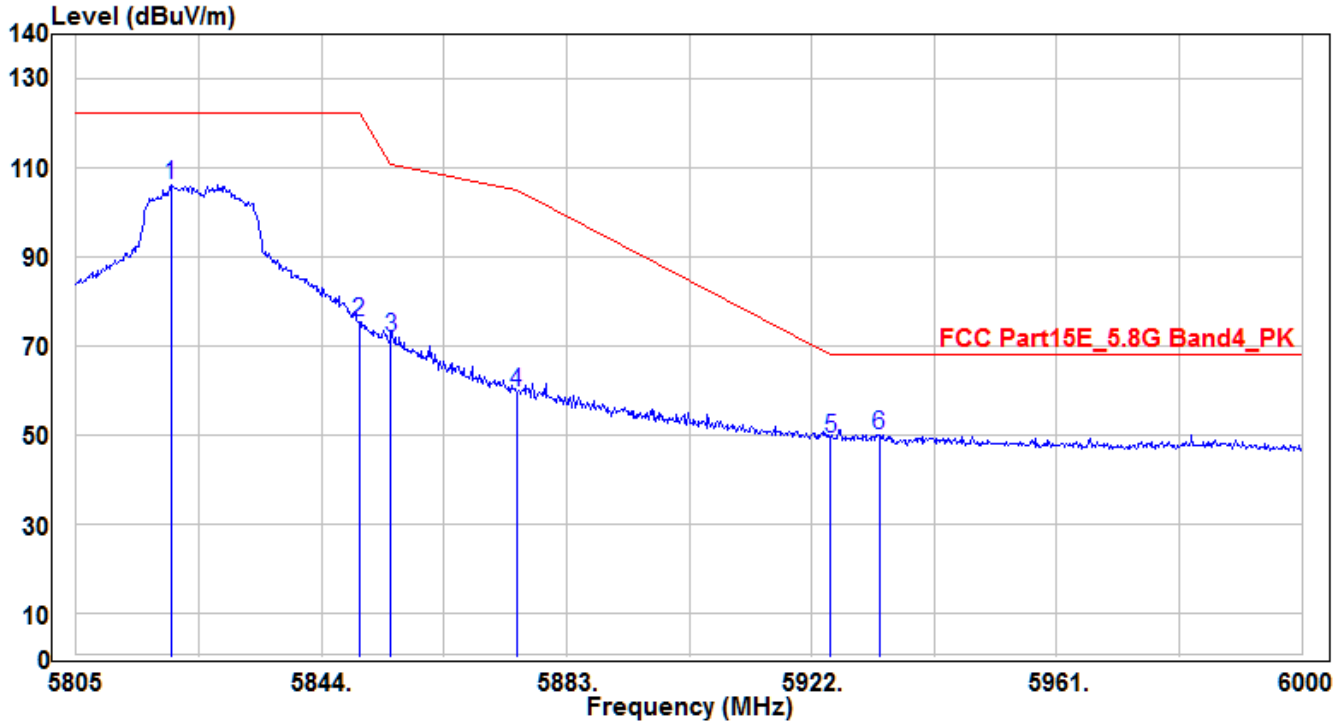


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5644.55	48.08	4.72	52.8	-15.4	68.2	155	140	Peak
2		5650	47.07	4.75	51.82	-16.38	68.2	155	140	Peak
3		5700	61.01	4.94	65.95	-39.25	105.2	155	140	Peak
4		5720	74.82	5.01	79.83	-30.97	110.8	155	140	Peak
5		5725	78.91	5.03	83.94	-38.26	122.2	155	140	Peak
6		5740.58	101.53	5.09	106.62	-15.58	122.2	155	140	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE2-CH165_Ant 0+1	Test Voltage	AC 120V/60Hz

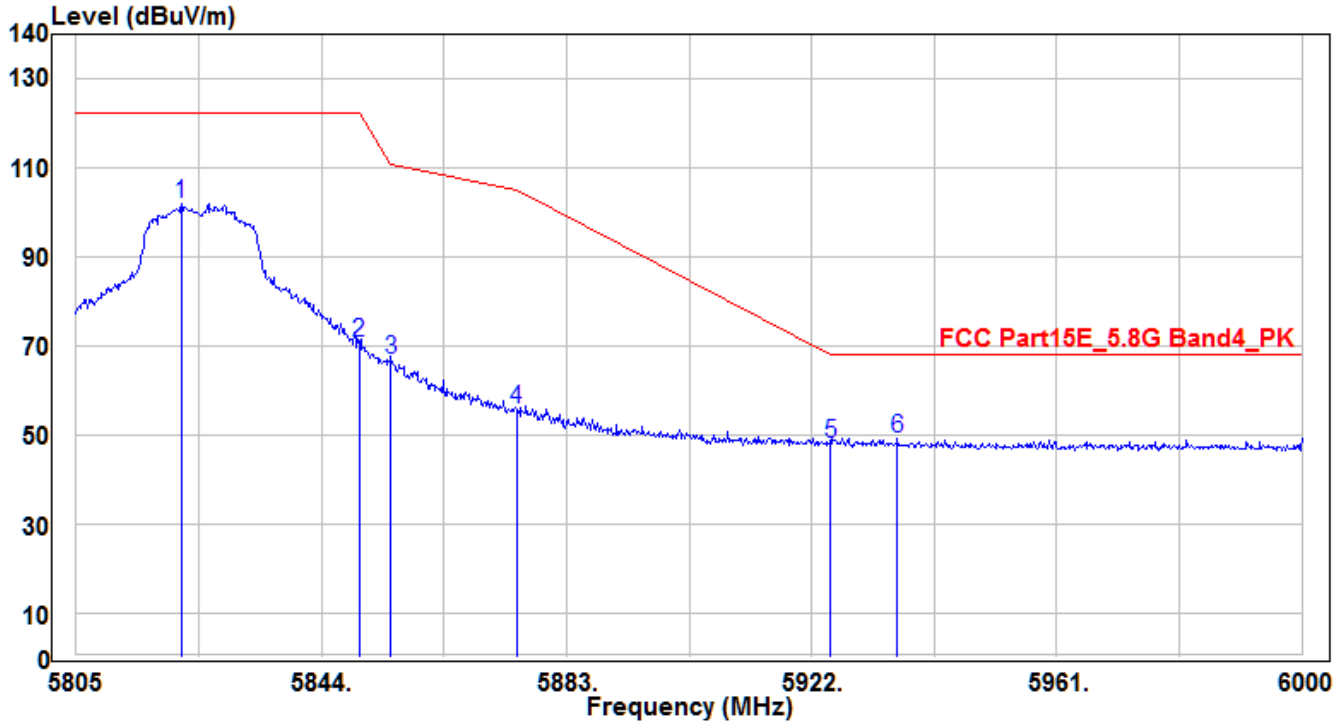


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5820.015	100.66	5.4	106.06	-16.14	122.2	305	310	Peak
2		5850	69.96	5.51	75.47	-46.73	122.2	305	310	Peak
3		5855	66.58	5.54	72.12	-38.68	110.8	305	310	Peak
4		5875	54.08	5.62	59.7	-45.5	105.2	305	310	Peak
5		5925	43.61	5.8	49.41	-18.79	68.2	305	310	Peak
6	*	5932.725	44.32	5.83	50.15	-18.05	68.2	305	310	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE2-CH165_Ant 0+1	Test Voltage	AC 120V/60Hz

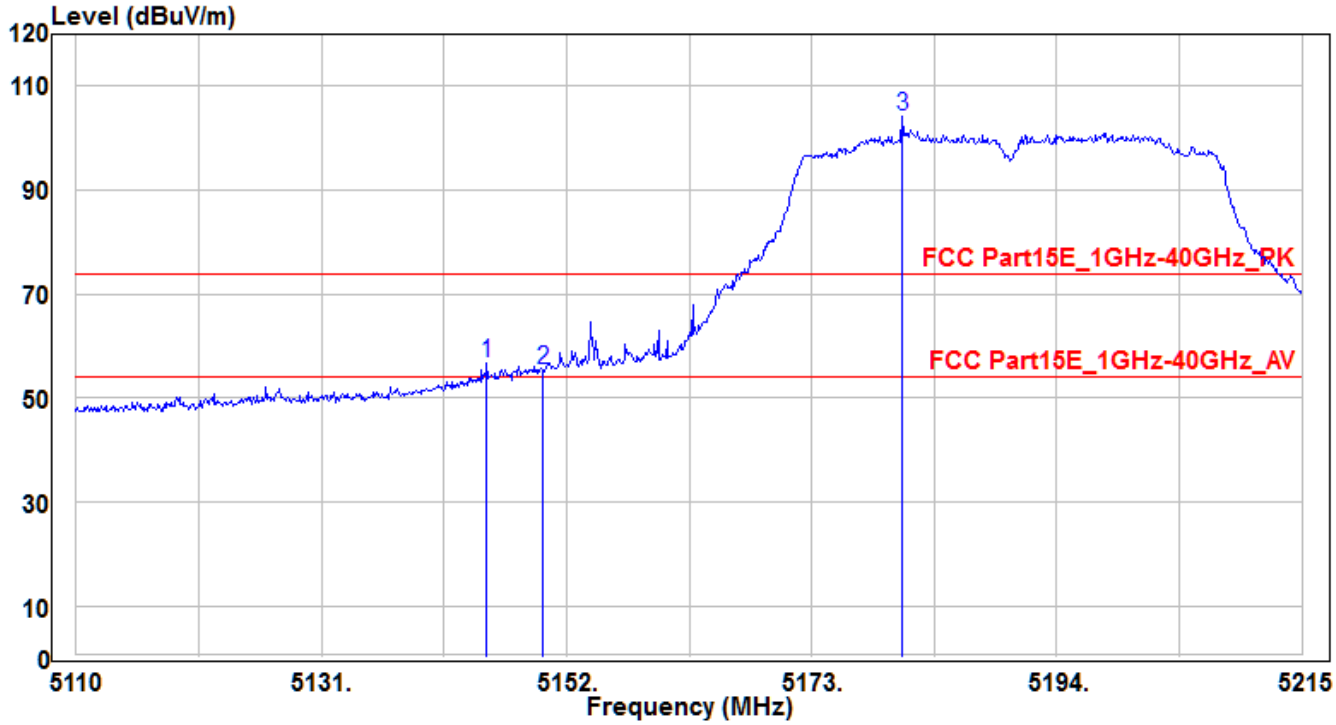


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5821.77	96.5	5.41	101.91	-20.29	122.2	155	380	Peak
2		5850	65.4	5.51	70.91	-51.29	122.2	155	380	Peak
3		5855	61.29	5.54	66.83	-43.97	110.8	155	380	Peak
4		5875	50.07	5.62	55.69	-49.51	105.2	155	380	Peak
5		5925	42.4	5.8	48.2	-20	68.2	155	380	Peak
6	*	5935.65	43.45	5.84	49.29	-18.91	68.2	155	380	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE3-CH38_Ant 0+1	Test Voltage	AC 120V/60Hz

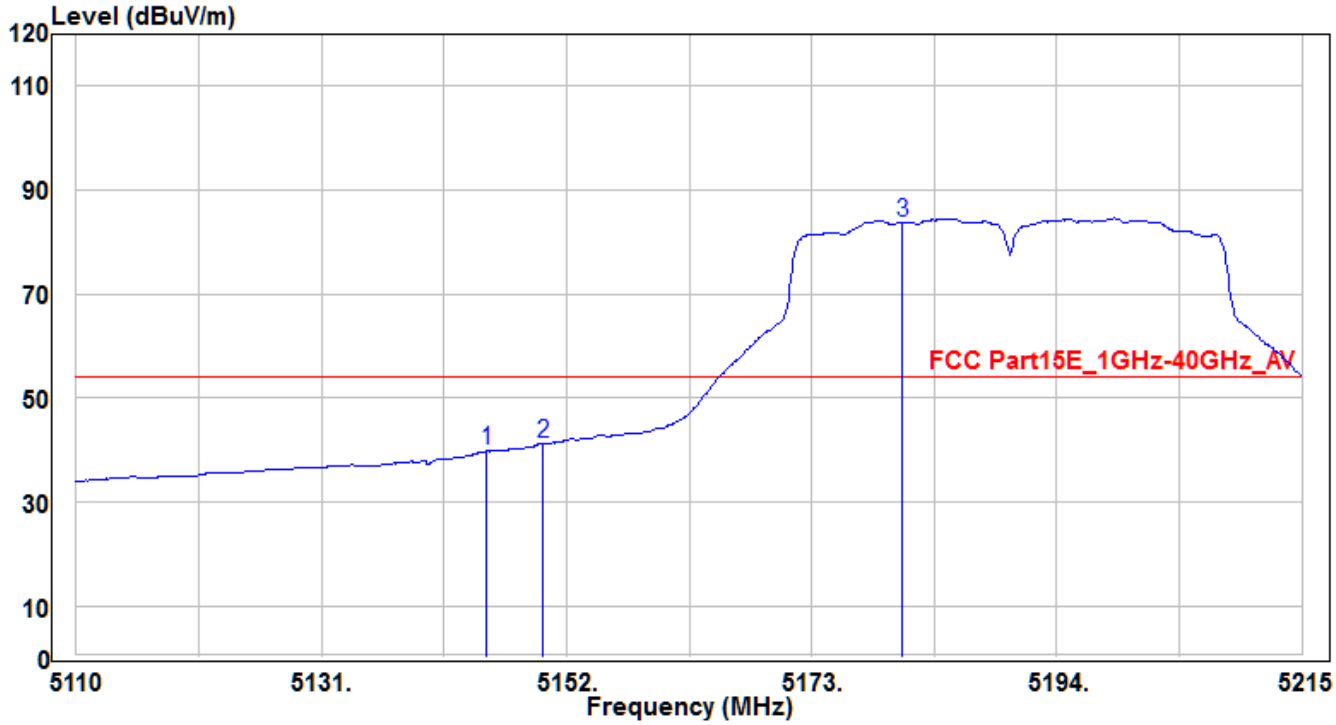


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5145.175	53	3.87	56.87	-17.13	74	165	70	Peak
2		5150	51.47	3.88	55.35	-18.65	74	165	70	Peak
3		5180.77	100.28	3.9	104.18	30.18	74	165	70	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE3-CH38_Ant 0+1	Test Voltage	AC 120V/60Hz

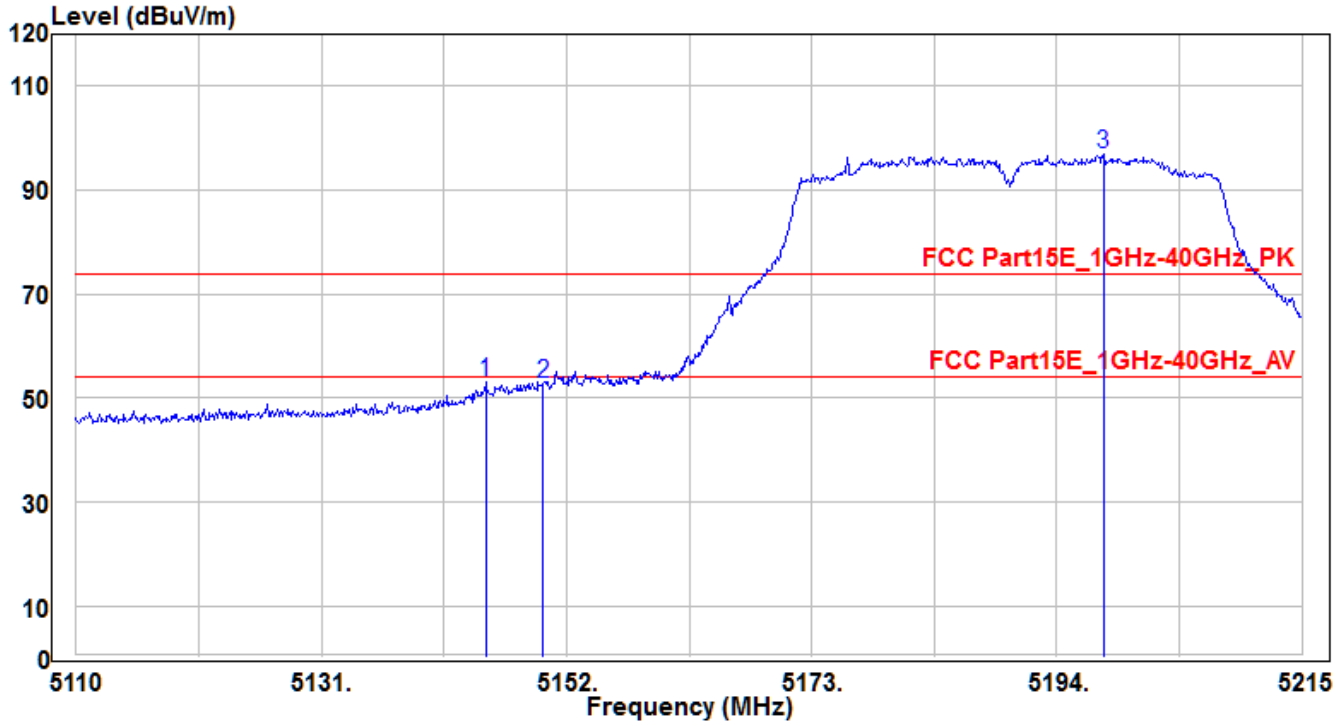


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5145.175	35.91	3.87	39.78	-14.22	54	165	70	Average
2	*	5150	37.35	3.88	41.23	-12.77	54	165	70	Average
3		5180.77	79.91	3.9	83.81	29.81	54	165	70	Average

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE3-CH38_Ant 0+1	Test Voltage	AC 120V/60Hz

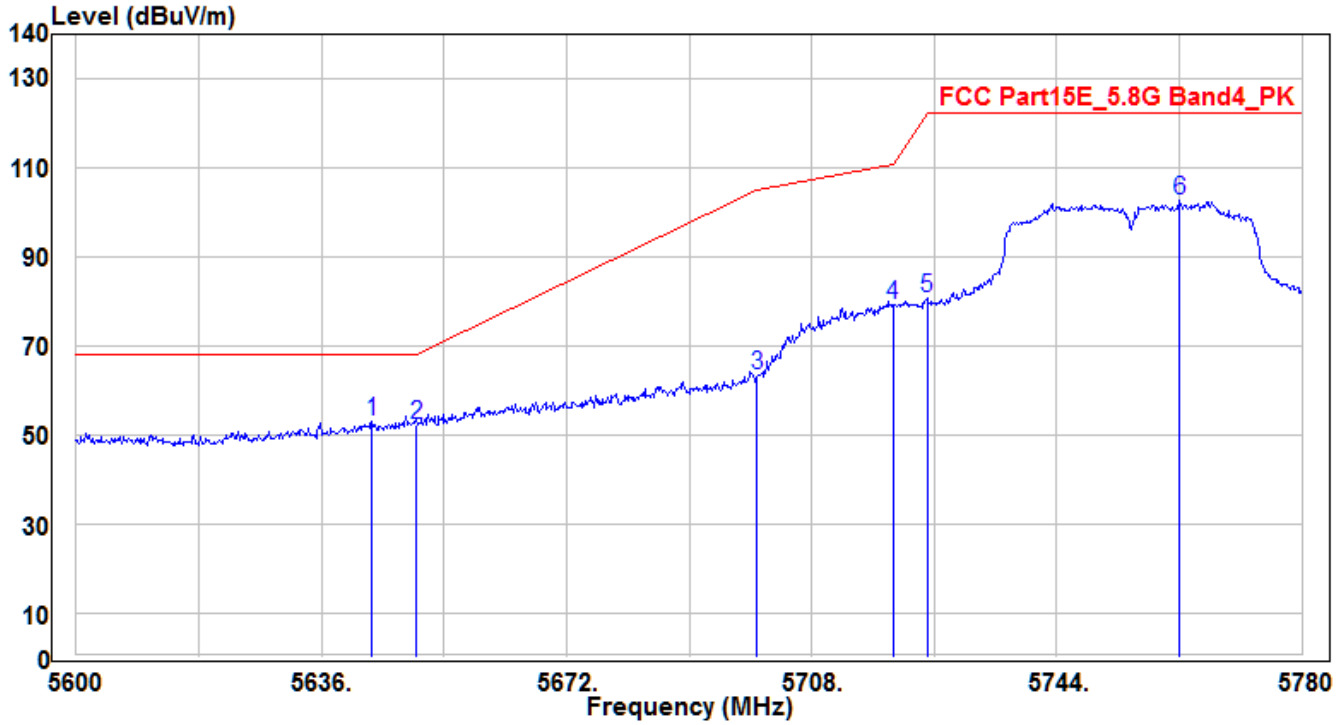


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5145.07	49.38	3.87	53.25	-20.75	74	250	85	Peak
2		5150	48.84	3.88	52.72	-21.28	74	250	85	Peak
3		5197.99	92.98	3.92	96.9	22.9	74	250	85	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE3-CH151_Ant 0+1	Test Voltage	AC 120V/60Hz

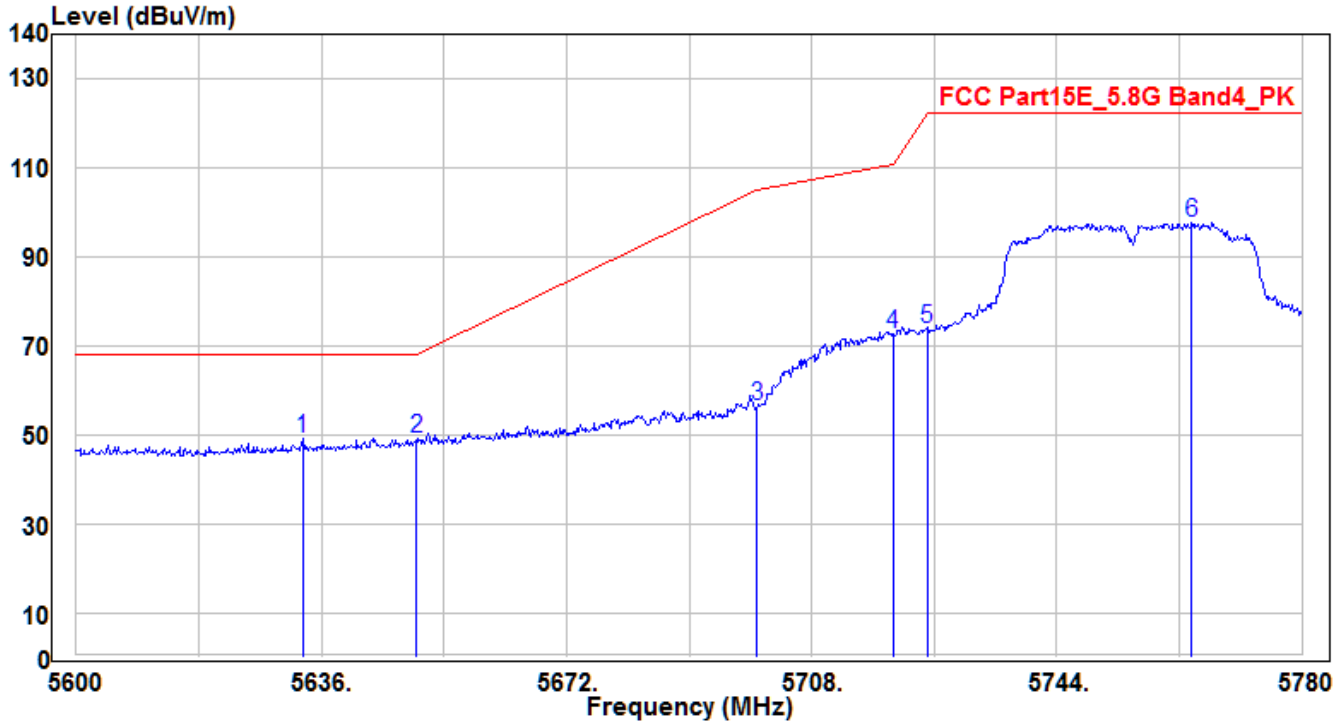


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5643.38	48.2	4.72	52.92	-15.28	68.2	210	280	Peak
2		5650	47.67	4.75	52.42	-15.78	68.2	210	280	Peak
3		5700	58.61	4.94	63.55	-41.65	105.2	210	280	Peak
4		5720	74.13	5.01	79.14	-31.66	110.8	210	280	Peak
5		5725	75.92	5.03	80.95	-41.25	122.2	210	280	Peak
6		5762	97.36	5.17	102.53	-19.67	122.2	210	280	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE3-CH151_Ant 0+1	Test Voltage	AC 120V/60Hz

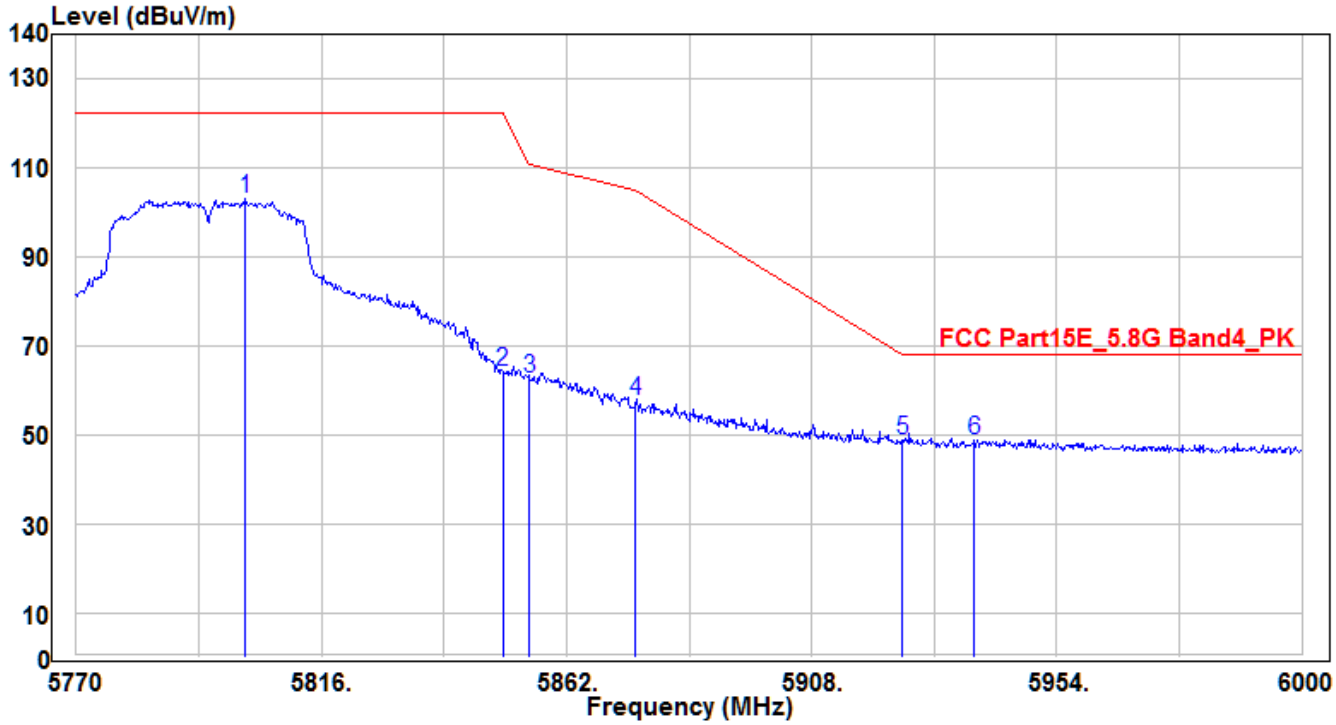


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5633.3	44.63	4.68	49.31	-18.89	68.2	140	375	Peak
2	*	5650	44.39	4.75	49.14	-19.06	68.2	140	375	Peak
3		5700	51.54	4.94	56.48	-48.72	105.2	140	375	Peak
4		5720	67.71	5.01	72.72	-38.08	110.8	140	375	Peak
5		5725	68.96	5.03	73.99	-48.21	122.2	140	375	Peak
6		5763.8	92.37	5.18	97.55	-24.65	122.2	140	375	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE3-CH159_Ant 0+1	Test Voltage	AC 120V/60Hz

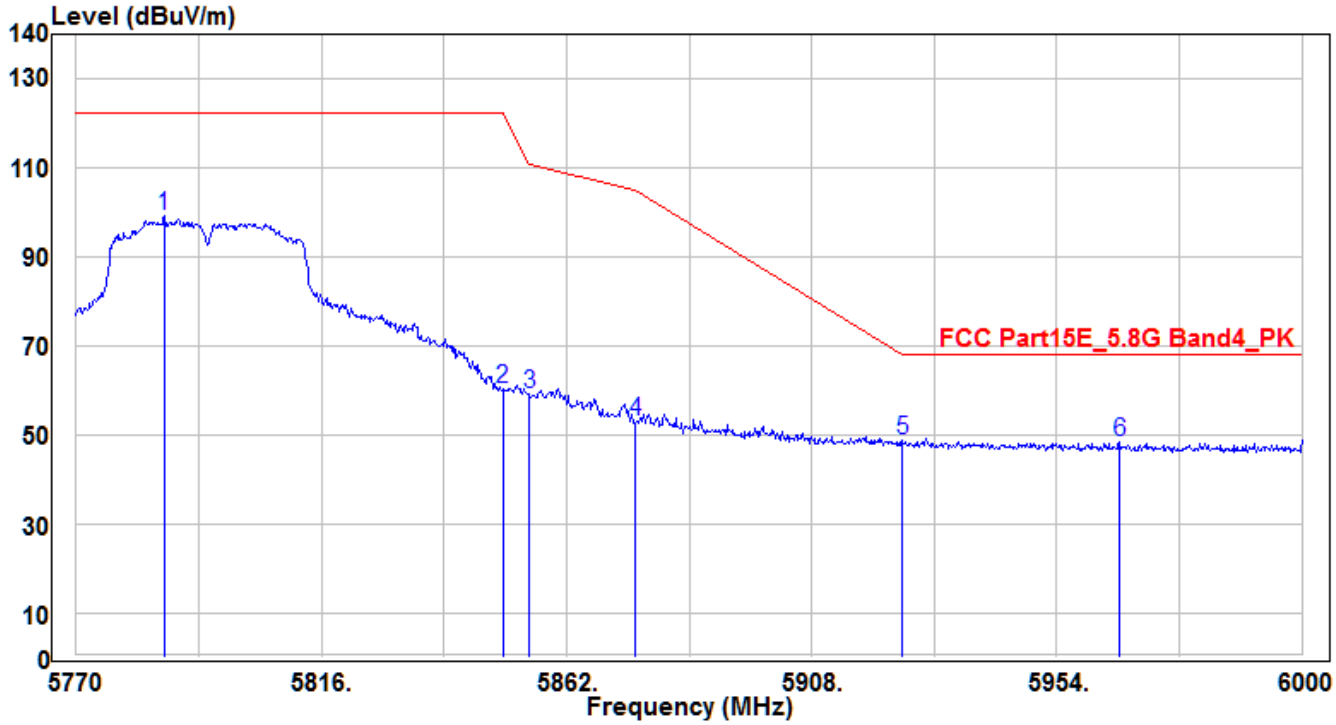


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5801.74	97.68	5.32	103	-19.2	122.2	205	285	Peak
2		5850	58.65	5.51	64.16	-58.04	122.2	205	285	Peak
3		5855	57.27	5.54	62.81	-47.99	110.8	205	285	Peak
4		5875	52.04	5.62	57.66	-47.54	105.2	205	285	Peak
5		5925	43.05	5.8	48.85	-19.35	68.2	205	285	Peak
6	*	5938.59	43.03	5.86	48.89	-19.31	68.2	205	285	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE3-CH159_Ant 0+1	Test Voltage	AC 120V/60Hz

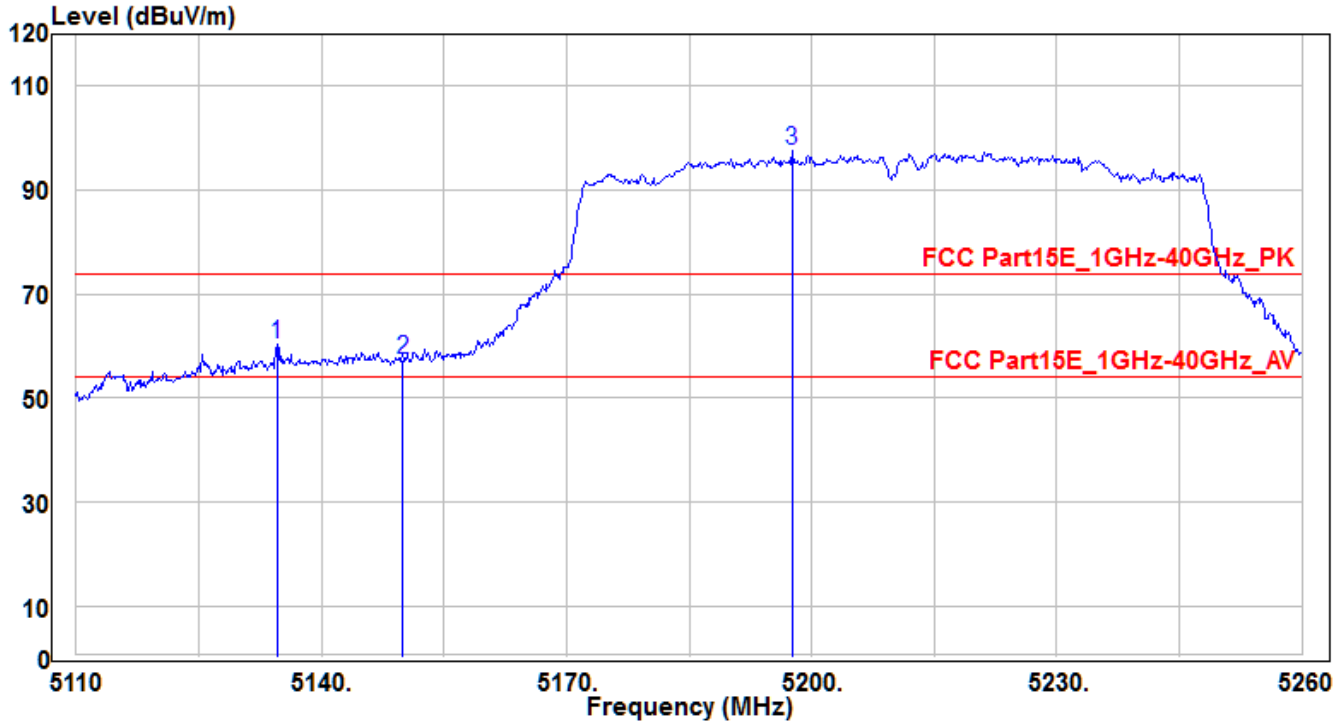


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5786.56	93.9	5.27	99.17	-23.03	122.2	160	20	Peak
2		5850	54.75	5.51	60.26	-61.94	122.2	160	20	Peak
3		5855	53.79	5.54	59.33	-51.47	110.8	160	20	Peak
4		5875	47.41	5.62	53.03	-52.17	105.2	160	20	Peak
5	*	5925	43.21	5.8	49.01	-19.19	68.2	160	20	Peak
6		5965.73	42.51	5.96	48.47	-19.73	68.2	160	20	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE4-CH42_Ant 0+1	Test Voltage	AC 120V/60Hz

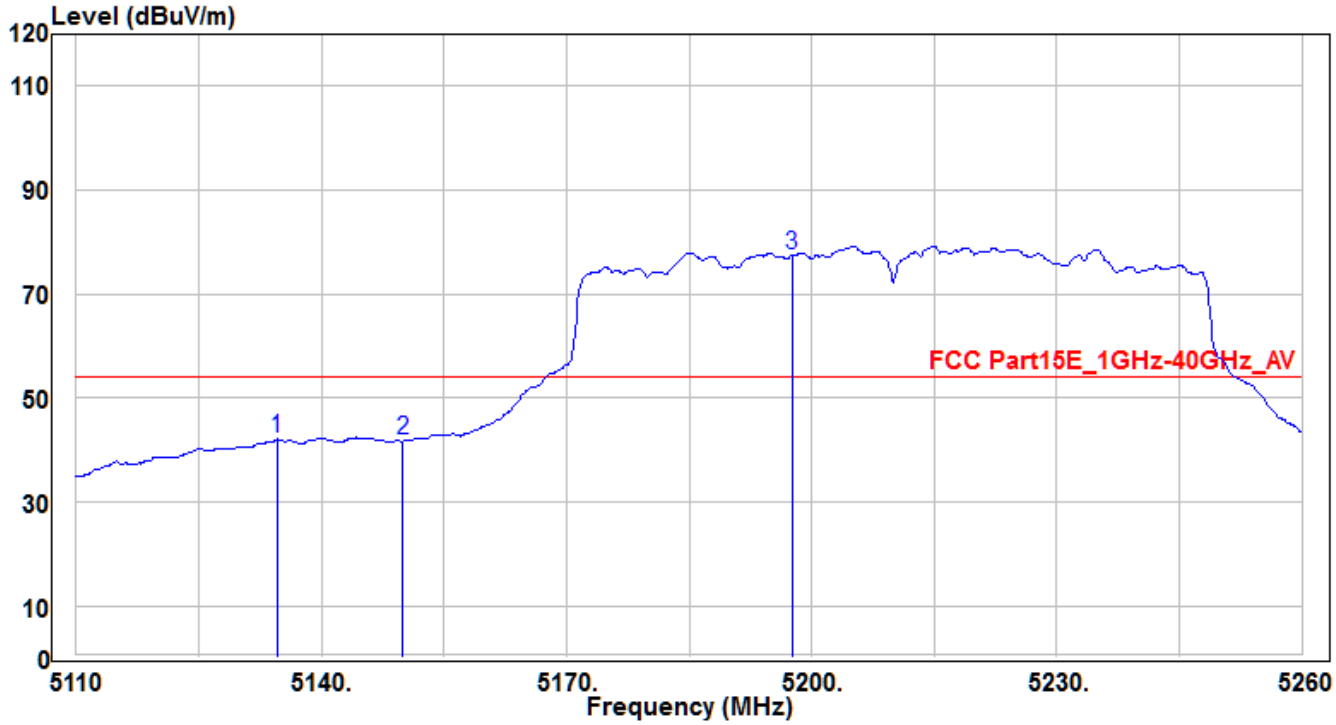


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5134.6	56.4	3.86	60.26	-13.74	74	150	70	Peak
2		5150	53.36	3.88	57.24	-16.76	74	150	70	Peak
3		5197.6	93.72	3.92	97.64	23.64	74	150	70	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE4-CH42_Ant 0+1	Test Voltage	AC 120V/60Hz

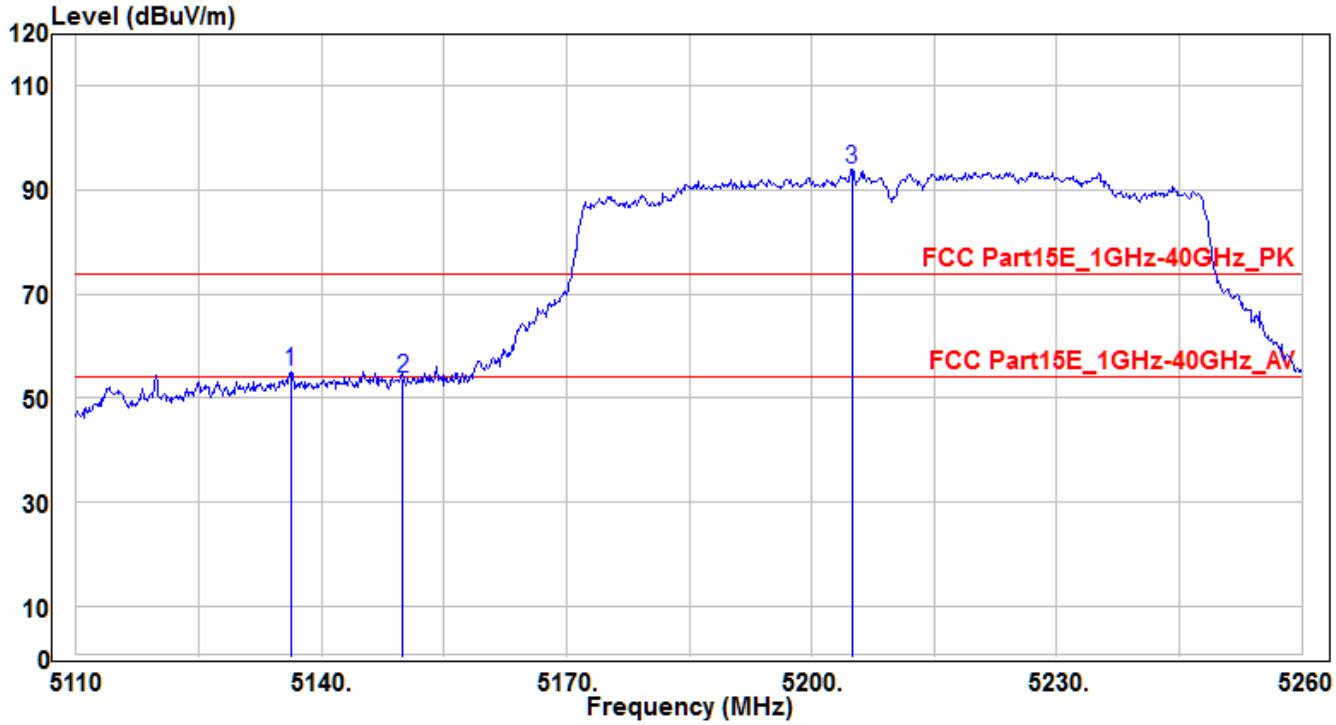


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5134.6	38.19	3.86	42.05	-11.95	54	150	70	Average
2		5150	37.86	3.88	41.74	-12.26	54	150	70	Average
3		5197.6	73.67	3.92	77.59	23.59	54	150	70	Average

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE4-CH42_Ant 0+1	Test Voltage	AC 120V/60Hz

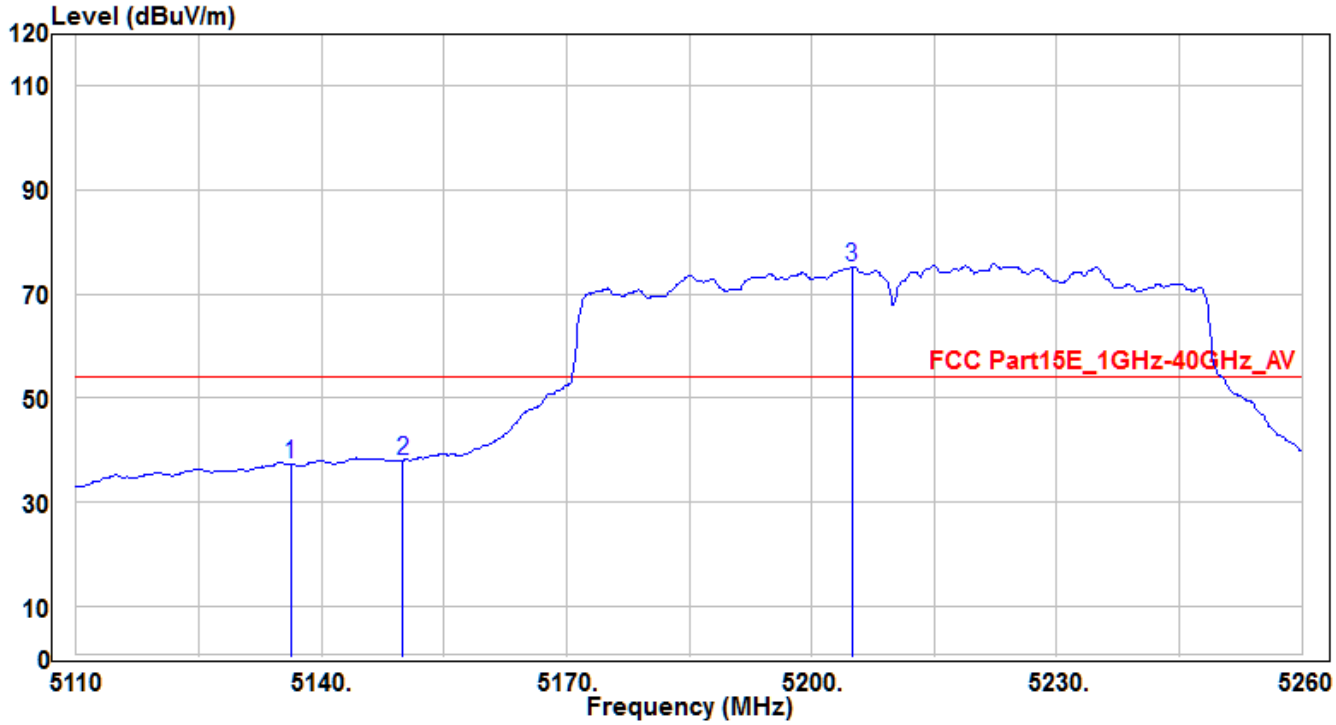


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5136.25	51.18	3.86	55.04	-18.96	74	225	90	Peak
2		5150	49.94	3.88	53.82	-20.18	74	225	90	Peak
3		5204.95	90.13	3.92	94.05	20.05	74	225	90	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE4-CH42_Ant 0+1	Test Voltage	AC 120V/60Hz

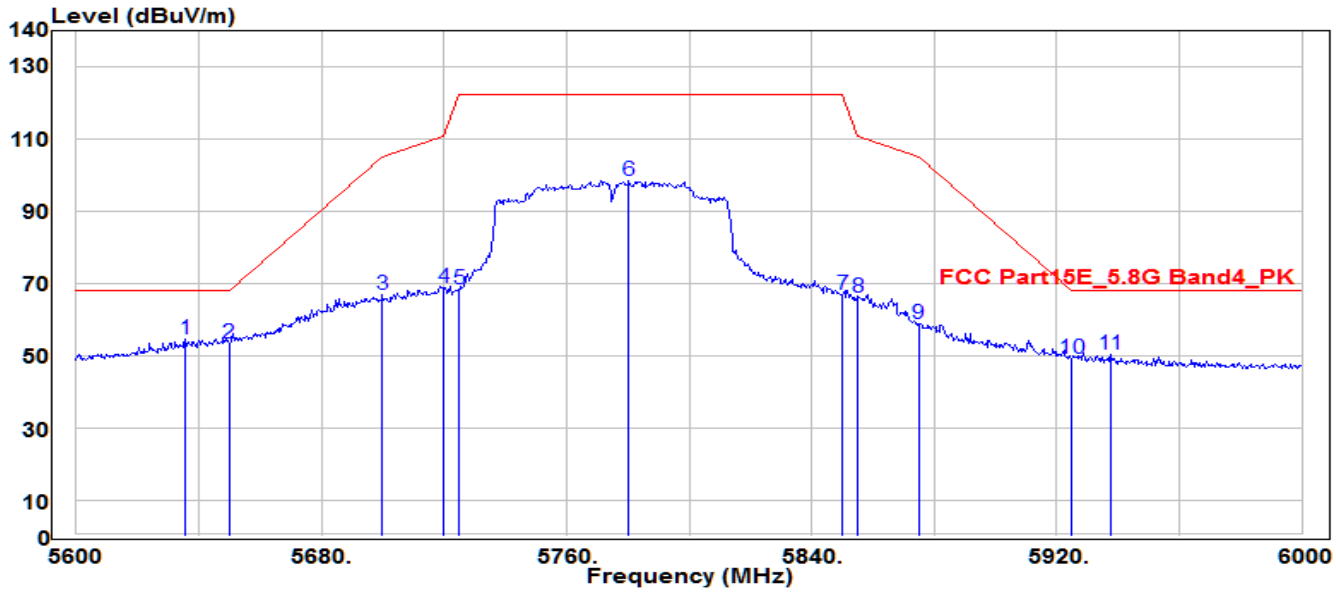


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		5136.25	33.49	3.86	37.35	-16.65	54	225	90	Average
2	*	5150	34.16	3.88	38.04	-15.96	54	225	90	Average
3		5204.95	71.22	3.92	75.14	21.14	54	225	90	Average

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Horizontal	Site / Engineer	AC1 / Peter
Test Mode	MODE4-CH155_Ant 0+1	Test Voltage	AC 120V/60Hz

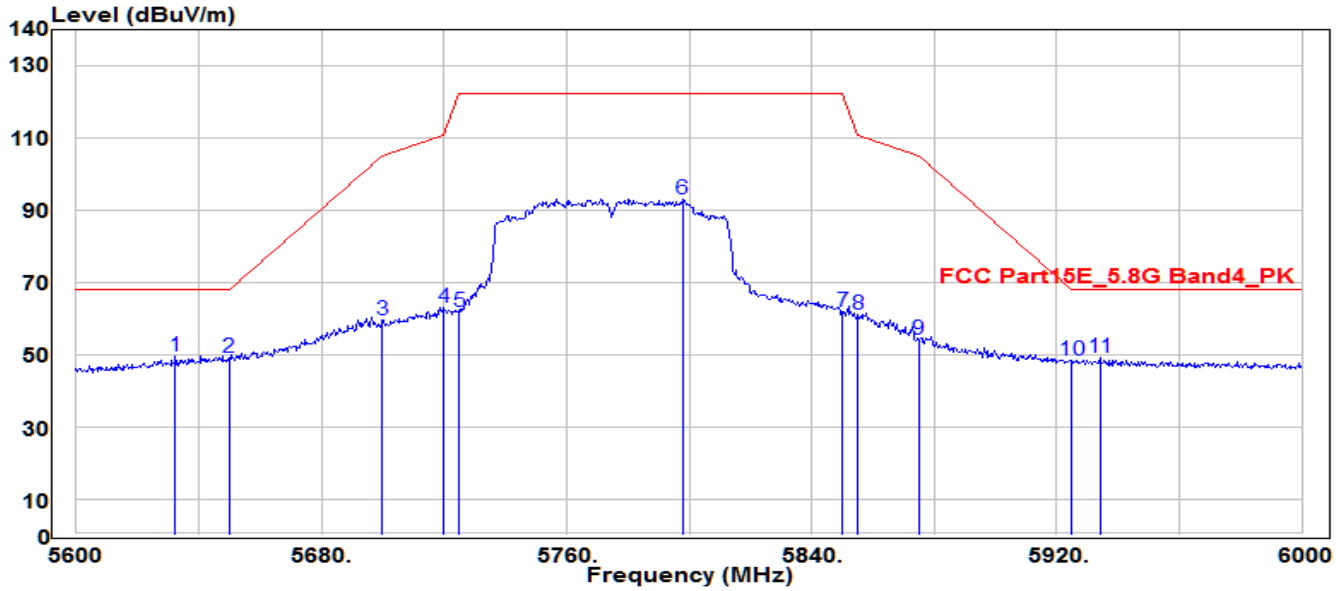


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5635.6	49.83	4.68	54.51	-13.69	68.2	195	285	Peak
2		5650	48.81	4.75	53.56	-14.64	68.2	195	285	Peak
3		5700	61.97	4.94	66.91	-38.29	105.2	195	285	Peak
4		5720	63.93	5.01	68.94	-41.86	110.8	195	285	Peak
5		5725	63.28	5.03	68.31	-53.89	122.2	195	285	Peak
6		5780.4	93.23	5.25	98.48	-23.72	122.2	195	285	Peak
7		5850	61.36	5.51	66.87	-55.33	122.2	195	285	Peak
8		5855	60.58	5.54	66.12	-44.68	110.8	195	285	Peak
9		5875	53.23	5.62	58.85	-46.35	105.2	195	285	Peak
10		5925	43.54	5.8	49.34	-18.86	68.2	195	285	Peak
11		5937.6	44.73	5.86	50.59	-17.61	68.2	195	285	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/30
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	21°C / 57%
Polarity	Vertical	Site / Engineer	AC1 / Peter
Test Mode	MODE4-CH155_Ant 0+1	Test Voltage	AC 120V/60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5632.4	44.96	4.68	49.64	-18.56	68.2	140	10	Peak
2		5650	44.57	4.75	49.32	-18.88	68.2	140	10	Peak
3		5700	54.69	4.94	59.63	-45.57	105.2	140	10	Peak
4		5720	57.89	5.01	62.9	-47.9	110.8	140	10	Peak
5		5725	56.86	5.03	61.89	-60.31	122.2	140	10	Peak
6		5798	87.94	5.32	93.26	-28.94	122.2	140	10	Peak
7		5850	56.36	5.51	61.87	-60.33	122.2	140	10	Peak
8		5855	55.75	5.54	61.29	-49.51	110.8	140	10	Peak
9		5875	48.62	5.62	54.24	-50.96	105.2	140	10	Peak
10		5925	42.68	5.8	48.48	-19.72	68.2	140	10	Peak
11		5934	43.5	5.83	49.33	-18.87	68.2	140	10	Peak

Note :

1. " * " means the worst value in this measurement data。
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB)。
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor)。

7.10. AC Conducted Emissions Measurement

7.10.1. Test Limit

FCC Part 15.207 Limits		
Frequency (MHz)	QP (dBμV)	AV (dBμV)
0.15 ~ 0.50	66 ~ 56	56 ~ 46
0.50 ~ 5.0	56	46
5.0 ~ 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

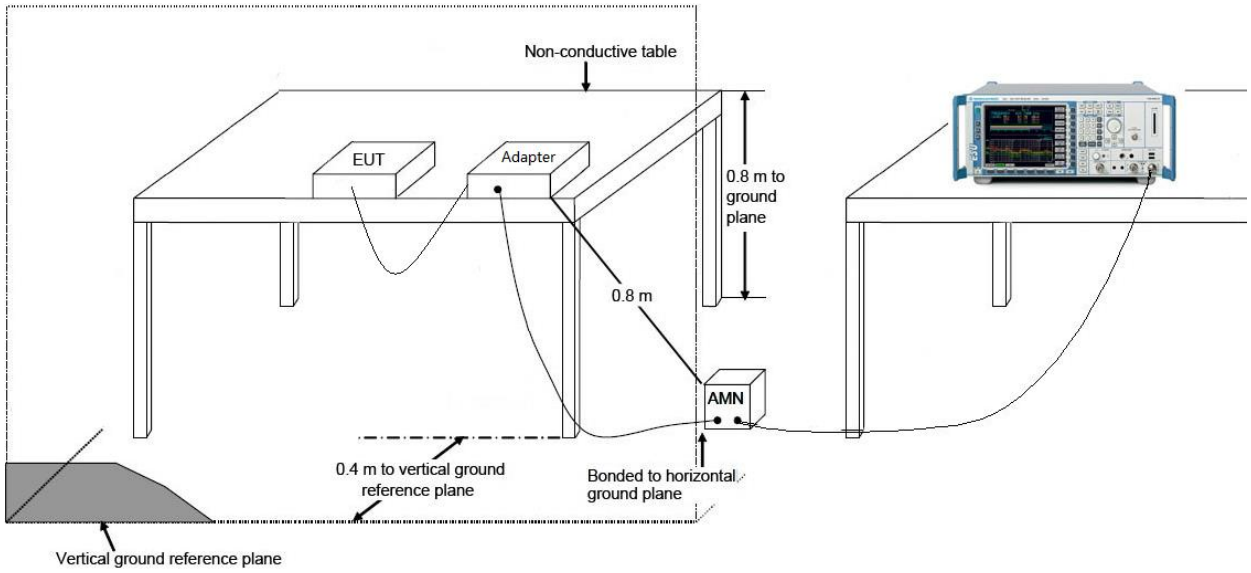
7.10.2. Test Procedure

The EUT was setup according to ANSI C63.4, 2009 and tested according to KDB 789033 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs) Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

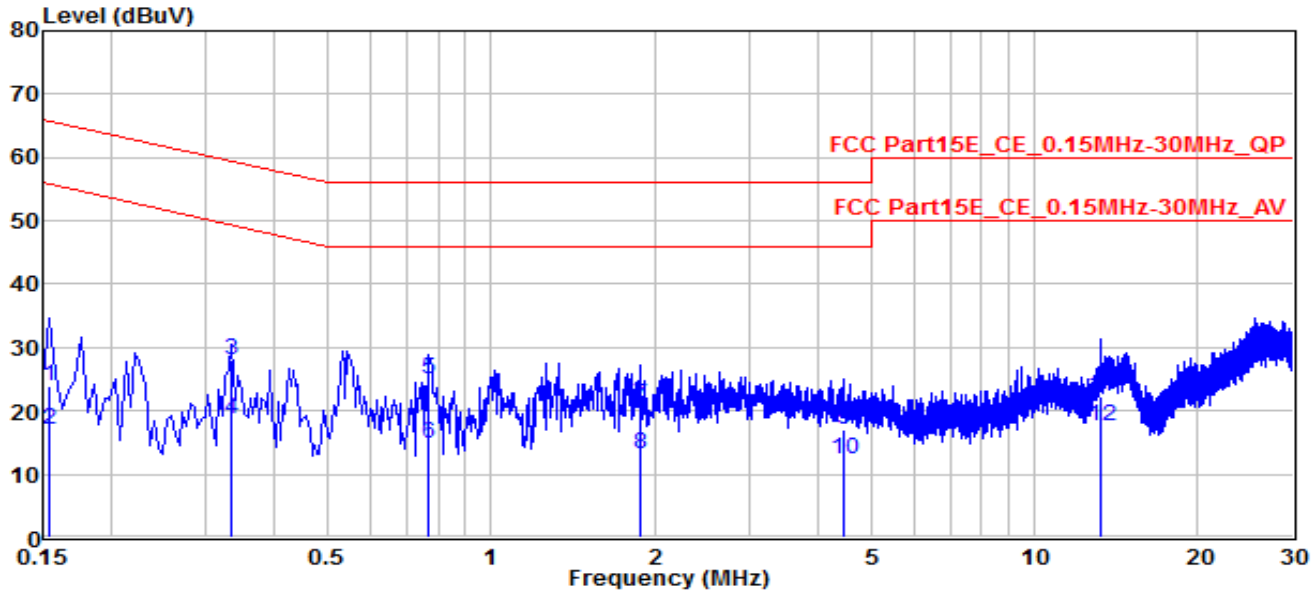
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

7.10.3. Test Setup



7.10.4. Test Result

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/27
Factor	CE_ENV216-L1 (Filter ON)	Temp. / Humidity	24°C / 55%
Polarity	Line1	Site / Engineer	SR2 / Peter
Test Mode	MODE2-CH44	Test Voltage	AC120V/60Hz

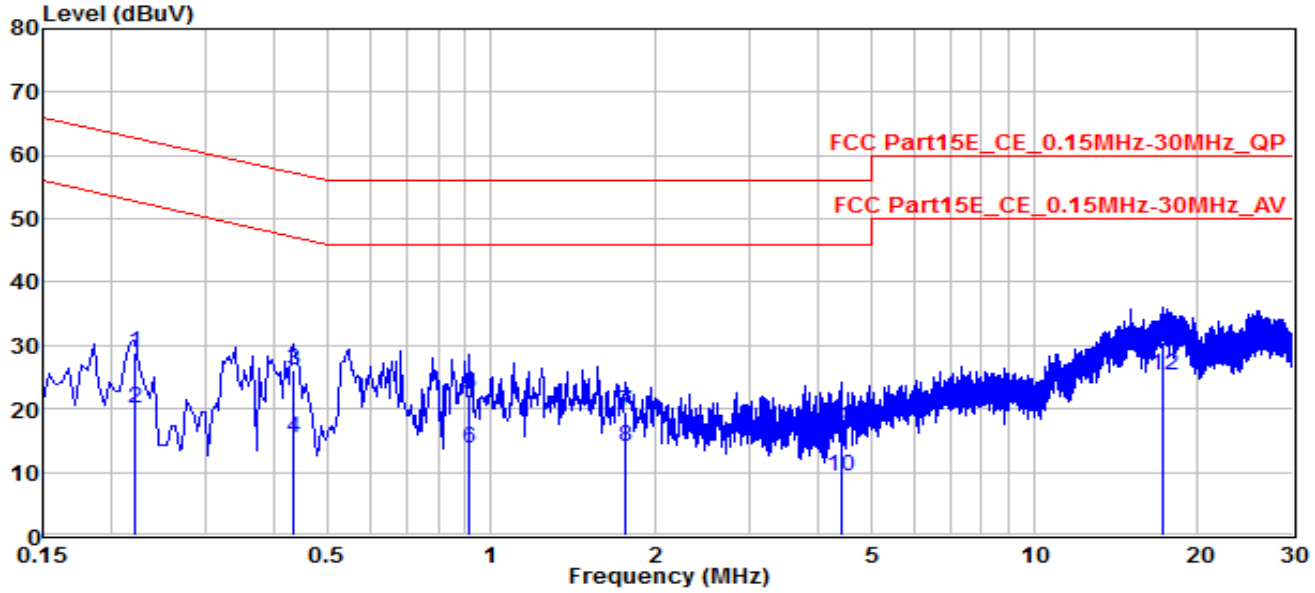


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1		0.1545	13.84	9.94	23.78	-41.97	65.75	QP
2		0.1545	7.19	9.94	17.13	-38.62	55.75	Average
3	*	0.33448	18.1	10.01	28.11	-31.23	59.34	QP
4	*	0.33448	8.76	10.01	18.77	-30.57	49.34	Average
5		0.77094	14.9	9.99	24.89	-31.11	56	QP
6		0.77094	4.73	9.99	14.72	-31.28	46	Average
7		1.887	11	9.87	20.87	-35.13	56	QP
8		1.887	3.34	9.87	13.21	-32.79	46	Average
9		4.461	7.39	9.77	17.16	-38.84	56	QP
10		4.461	2.63	9.77	12.4	-33.6	46	Average
11		13.262	12.49	9.91	22.4	-37.6	60	QP
12		13.262	7.8	9.91	17.71	-32.29	50	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV) = Reading(dBuV)+ C.F (Correction Factor).

EUT	Intel® Dual Band Wireless-AC 8265	Test Date	2018/8/27
Factor	CE_ENV216-N (Filter ON)	Temp. / Humidity	24°C / 55%
Polarity	Neutral	Site / Engineer	SR2 / Peter
Test Mode	MODE2-CH44	Test Voltage	AC120V/60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1		0.22199	19.02	9.9	28.92	-33.82	62.74	QP
2		0.22199	10.29	9.9	20.19	-32.55	52.74	Average
3		0.43347	15.94	10.08	26.02	-31.17	57.19	QP
4		0.43347	5.24	10.08	15.32	-31.87	47.19	Average
5		0.91042	12.34	9.94	22.28	-33.72	56	QP
6		0.91042	3.71	9.94	13.65	-32.35	46	Average
7		1.774	9.52	9.87	19.39	-36.61	56	QP
8		1.774	4.23	9.87	14.1	-31.9	46	Average
9		4.407	6.98	9.75	16.73	-39.27	56	QP
10		4.407	-0.39	9.75	9.36	-36.64	46	Average
11	*	17.289	20.42	10.01	30.43	-29.57	60	QP
12	*	17.289	15.22	10.01	25.23	-24.77	50	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV) = Reading(dBuV)+ C.F (Correction Factor).

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **Intel® Dual Band Wireless-AC 8265** is in compliance with Part 15E of the FCC Rules & IC Rules.

The End