



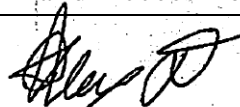
FCC PART 15.407
ISED C RSS-247, ISSUE 2, FEBRUARY 2017
TEST REPORT

For

Cisco Systems Inc.

125 West Tasman Drive,
San Jose, CA 95134 USA

FCC ID: LDKSKMAA2017
IC: 2461N-SKMAA2017

Report Type: Original Report	Product Type: 4x4 Dual Band Access Point
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Report Number R1902192-407	
Report Date 2019-04-15	
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* This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk "*" (Rev. 12)

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	R1902192-407	Original Report	2019-04-15

1 General Description

1.1 Product Description for Equipment Under Test (EUT)

This test and measurement report was prepared on behalf of *Cisco Systems Inc.*, and their product model: *AIR-AP1840I-B-K9 (US)* and *AIR-AP1840I-A-K9 (Canada)* as referred to as EUT in this report. The product is a 4x4 Dual Band Access Point.

1.2 Mechanical Description of EUT

The EUT measures approximately 170 mm (L) x 170 mm (W) x 40 mm (H) and weighs approximately 100 g.

1.3 Objective

This report is prepared on behalf of *Cisco Systems Inc.* in accordance with FCC CFR47 §15.407 and ISED RSS-247 Issue 2, February 2017.

The objective is to determine compliance with FCC Part 15.407 and ISEDC RSS-247 rules for Radiated Spurious Emissions.

1.4 Related Submittal(s)/Grant(s)

R1902192-247

1.5 Test Methodology

All measurements contained in this report were conducted in accordance with ANSI C63.10-2013, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz, and FCC KDB 789033 D02 General UNII Test Procedure New Rules v02r01.

1.6 Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in the field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

Parameter	Measurement uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±0.57 dB
Power Spectral Density, conducted	±1.48dB
Unwanted Emissions, conducted	±1.57dB
All emissions, radiated	±4.0 dB
AC power line Conducted Emission	±2.0 dB
Temperature	±2 ° C
Humidity	±5 %
DC and low frequency voltages	±1.0 %
Time	±2 %
Duty Cycle	±3 %

1.7 Test Facility Registrations

BACLs test facilities that are used to perform Radiated and Conducted Emissions tests are currently recognized by the Federal Communications Commission as Accredited with NIST Designation Number US1129.

BACL's test facilities that are used to perform Radiated and Conducted Emissions tests are currently registered with Industry Canada under Registration Numbers: 3062A-1, 3062A-2, and 3062A-3.

BACL is a Chinese Taipei Bureau of Standards Metrology and Inspection (BSMI) validated Conformity Assessment Body (CAB), under Appendix B, Phase I Procedures of the APEC Mutual Recognition Arrangement (MRA). BACL's BSMI Lab Code Number is: SL2-IN-E-1002R

BACL's test facilities that are used to perform AC Line Conducted Emissions, Telecommunications Line Conducted Emissions, Radiated Emissions from 30 MHz to 1 GHz, and Radiated Emissions from 1 GHz to 6 GHz are currently recognized as Accredited in accordance with the Voluntary Control Council for Interference [VCCI] Article 15 procedures under Registration Number A-0027.

1.8 Test Facility Accreditations

Bay Area Compliance Laboratories Corp. (BACL) is:

A- An independent, 3rd-Party, Commercial Test Laboratory accredited to ISO/IEC 17025:2005 by A2LA (Test Laboratory Accreditation Certificate Number 3279.02), in the fields of: Electromagnetic Compatibility and Telecommunications. Unless noted by an Asterisk (*) in the Compliance Matrix (See Section 3 of this Test Report), BACL's ISO/IEC 17025:2005 Scope of Accreditation includes all of the Test Method Standards and/or the Product Family Standards detailed in this Test Report..

BACL's ISO/IEC 17025:2005 Scope of Accreditation includes a comprehensive suite of EMC Emissions, EMC Immunity, Radio, RF Exposure, Safety and wireline Telecommunications test methods applicable to a wide range of product categories. These product categories include Central Office Telecommunications Equipment [including NEBS - Network Equipment Building Systems], Unlicensed and Licensed Wireless and RF devices,

Information Technology Equipment (ITE); Telecommunications Terminal Equipment (TTE); Medical Electrical Equipment; Industrial, Scientific and Medical Test Equipment; Professional Audio and Video Equipment; Industrial and Scientific Instruments and Laboratory Apparatus; Cable Distribution Systems, and Energy Efficient Lighting.

B- A Product Certification Body accredited to ISO/IEC 17065:2012 by A2LA (Product Certification Body Accreditation Certificate Number 3279.03) to certify

- For the USA (Federal Communications Commission):
 - 1- All Unlicensed radio frequency devices within FCC Scopes A1, A2, A3, and A4;
 - 2- All Licensed radio frequency devices within FCC Scopes B1, B2, B3, and B4;
 - 3- All Telephone Terminal Equipment within FCC Scope C.
- For the Canada (Industry Canada):
 - 1 All Scope 1-Licence-Exempt Radio Frequency Devices;
 - 2 All Scope 2-Licensed Personal Mobile Radio Services;
 - 3 All Scope 3-Licensed General Mobile & Fixed Radio Services;
 - 4 All Scope 4-Licensed Maritime & Aviation Radio Services;
 - 5 All Scope 5-Licensed Fixed Microwave Radio Services
 - 6 All Broadcasting Technical Standards (BETS) in the Category I Equipment Standards List.
- For Singapore (Info-Communications Development Authority (IDA)):
 - 1 All Line Terminal Equipment: All Technical Specifications for Line Terminal Equipment – Table 1 of IDA MRA Recognition Scheme: 2011, Annex 2
 - 2. All Radio-Communication Equipment: All Technical Specifications for Radio-Communication Equipment – Table 2 of IDA MRA Recognition Scheme: 2011, Annex 2
- For the Hong Kong Special Administrative Region:
 - 1 All Radio Equipment, per KHCA 10XX-series Specifications;
 - 2 All GMDSS Marine Radio Equipment, per HKCA 12XX-series Specifications;
 - 3 All Fixed Network Equipment, per HKCA 20XX-series Specifications.
- For Japan:
 - 1 MIC Telecommunication Business Law (Terminal Equipment):
 - All Scope A1 - Terminal Equipment for the Purpose of Calls;
 - All Scope A2 - Other Terminal Equipment
 - 2 Radio Law (Radio Equipment):
 - All Scope B1 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 1 of the Radio Law
 - All Scope B2 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 2 of the Radio Law
 - All Scope B3 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 3 of the Radio Law

C- A Product Certification Body accredited to ISO/IEC 17065:2012 by A2LA (Product Certification Body Accreditation Certificate Number 3279.01) to certify Products to USA's Environmental Protection Agency (EPA) ENERGY STAR Product Specifications for:

- 1 Electronics and Office Equipment:
 - for Telephony (ver. 3.0)
 - for Audio/Video (ver. 3.0)
 - for Battery Charging Systems (ver. 1.1)
 - for Set-top Boxes & Cable Boxes (ver. 4.1)
 - for Televisions (ver. 6.1)
 - for Computers (ver. 6.0)
 - for Displays (ver. 6.0)
 - for Imaging Equipment (ver. 2.0)
 - for Computer Servers (ver. 2.0)

- 2 Commercial Food Service Equipment
 - for Commercial Dishwashers (ver. 2.0)
 - for Commercial Ice Machines (ver. 2.0)
 - for Commercial Ovens (ver. 2.1)
 - for Commercial Refrigerators and Freezers
- 3 Lighting Products
 - For Decorative Light Strings (ver. 1.5)
 - For Luminaires (including sub-components) and Lamps (ver. 1.2)
 - For Compact Fluorescent Lamps (CFLs) (ver. 4.3)
 - For Integral LED Lamps (ver. 1.4)
- 4 Heating, Ventilation, and AC Products
 - for Residential Ceiling Fans (ver. 3.0)
 - for Residential Ventilating Fans (ver. 3.2)
- 5 Other
 - For Water Coolers (ver. 3.0)

D- A NIST Designated Phase-I and Phase-II Conformity Assessment Body (CAB) for the following economies and regulatory authorities under the terms of the stated MRAs/Treaties:

- Australia: ACMA (Australian Communication and Media Authority) – APEC Tel MRA -Phase I;
- Canada: (Innovation, Science and Economic development Canada - ISED) Foreign Certification Body – FCB – APEC Tel MRA -Phase I & Phase II;
- Chinese Taipei (Republic of China – Taiwan):
 - o BSMI (Bureau of Standards, Metrology and Inspection) APEC Tel MRA -Phase I;
 - o NCC (National Communications Commission) APEC Tel MRA -Phase I;
- European Union:
 - o EMC Directive 2014/30/EU US-EU EMC & Telecom MRA CAB (NB)
 - o Radio Equipment (RE) Directive 2014/53/EU US-EU EMC & Telecom MRA CAB (NB)
 - o Low Voltage Directive (LVD) 2014/35/EU
- Hong Kong Special Administrative Region: (Office of the Telecommunications Authority – OFTA) APEC Tel MRA -Phase I & Phase II
- Israel – US-Israel MRA Phase I
- Republic of Korea (Ministry of Communications - Radio Research Laboratory) APEC Tel MRA -Phase I
- Singapore: (Infocomm Media Development Authority - IMDA) APEC Tel MRA -Phase I & Phase II;
- Japan: VCCI - Voluntary Control Council for Interference US-Japan Telecom Treaty VCCI Side Letter-
- USA:
 - o ENERGY STAR Recognized Test Laboratory – US EPA
 - o Telecommunications Certification Body (TCB) – US FCC;
 - o Nationally Recognized Test Laboratory (NRTL) – US OSHA
- Vietnam: APEC Tel MRA -Phase I;

2 System Test Configuration

2.1 Justification

The EUT was configured for testing according to ANSI C63.10-2013 and FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

The EUT was tested in a testing mode to represent worst-case results during the final qualification test.

The worst-case data rates are determined by measuring the average power, peak power and PPSD across all data rates bandwidths, and modulations.

2.2 EUT Exercise Software

The test software used was Tera Term, and the firmware used was *Radio FW version: 2fd6e8ce9b10a61fb05dbd86522131cb* provided by *Cisco Systems Inc.* The software is compliant with the standard requirements being tested against.

Modulation	Frequency (MHz)	Power Setting
802.11a/n/ac	5180	17
	5190	17
	5210	17
	5220	17
	5230	17
	5240	17
	5260	17
	5270	17
	5290	17
	5300	17
	5310	17
	5320	17
	5500	17
	5510	17
	5530	17
	5580	17
	5590	17
	5610	17
	5670	17
	5690	17
	5700	17
	5720	17
	5745	17
	5785	17
	5825	17

Data Rates Tested:

802.11a mode: 6Mbps

802.11n/ac HT/VHT20 mode: m0

802.11n/ac HT/VHT40 mode: m0

802.11ac VHT80 mode: m0.1

Note: Channel 5590 MHz, 5610 MHz, 5690 MHz, 5710 MHz, and 5720 MHz are for the FCC only.

2.3 Duty Cycle Correction Factor

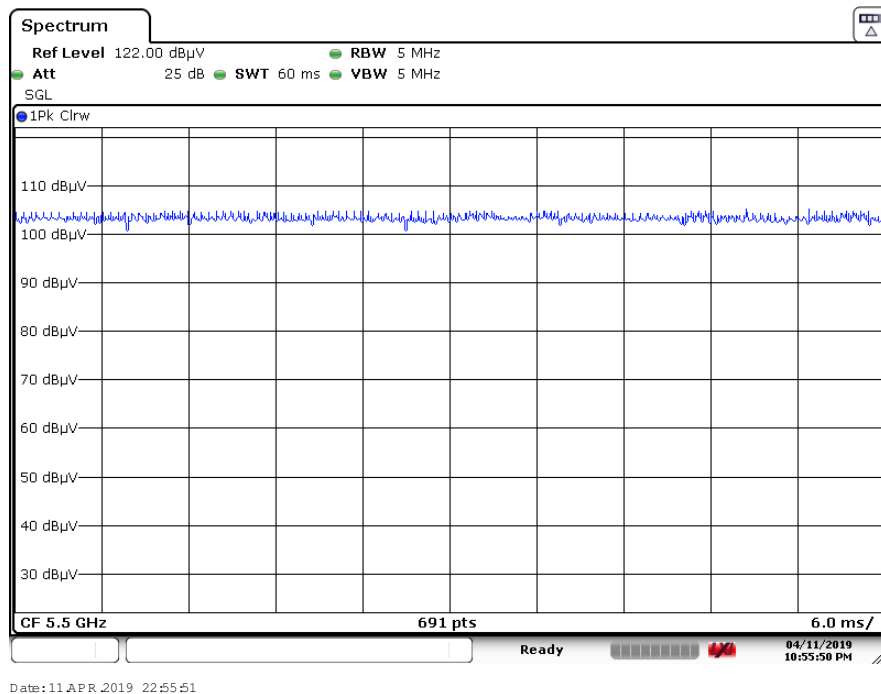
According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01 section B:

All measurements are to be performed with the EUT transmitting at 100% duty cycle at its maximum power control level; however, if 100% duty cycle cannot be achieved, measurements of duty cycle, x, and maximum-power transmission duration, T, are required for each tested mode of operation.

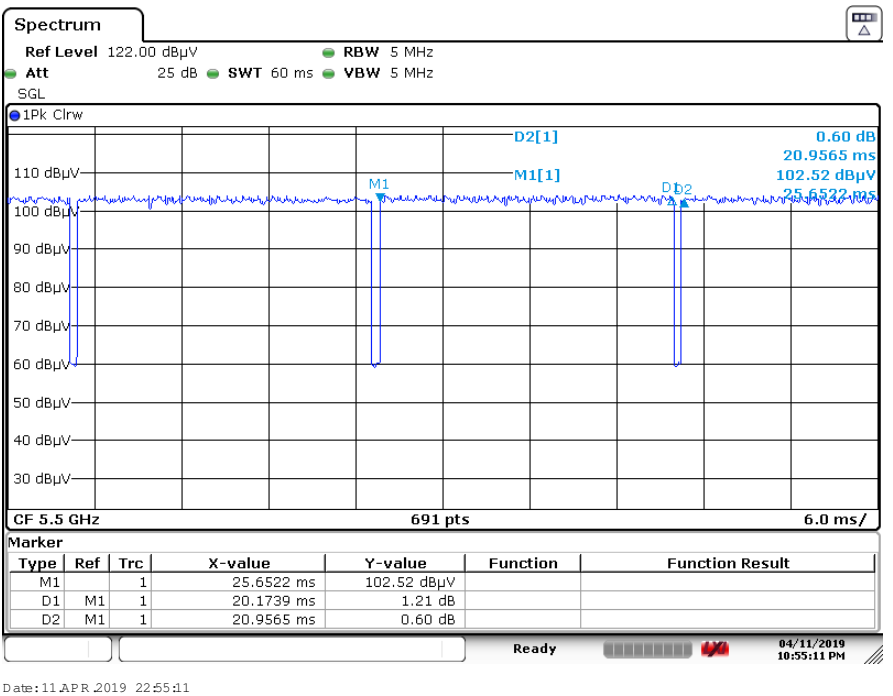
Radio Mode	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11a	-	-	100	0
802.11n	20.1739	20.9565	96.27	0.1653
802.11ac	2.4203	3.0725	78.77	1.036

Note: Duty Cycle Correction Factor = $10 \cdot \log(1/\text{duty cycle})$

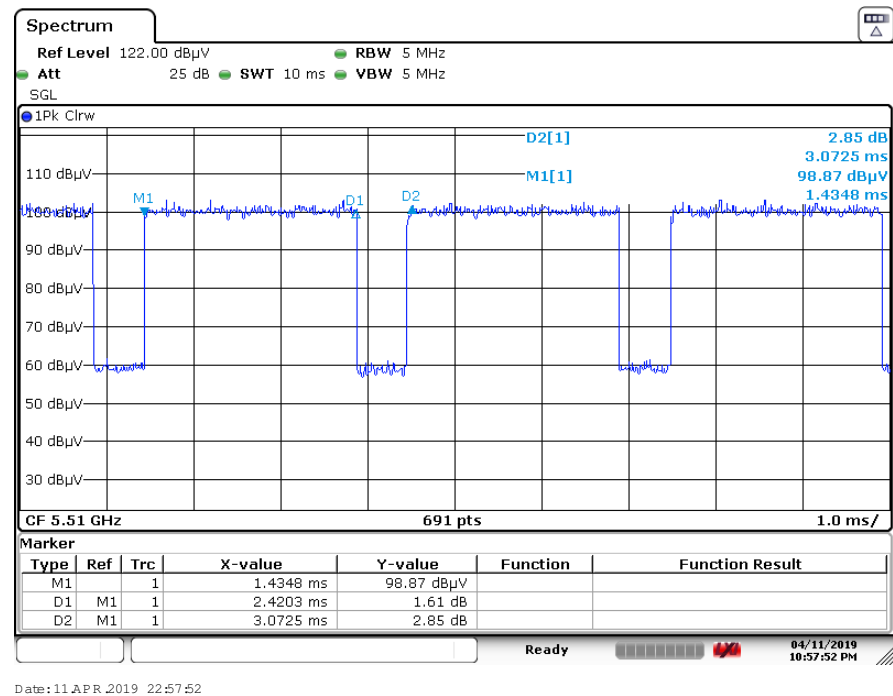
a Mode



n Mode



ac Mode



2.4 Equipment Modifications

N/A

2.5 Local Support Equipment

Manufacturer	Description	Model	Serial Number
Dell	Laptop	Latitude E6410	3CKRAQ1

2.6 Support Equipment

Manufacturer	Description	Model
Cisco	Power Supply	AIR-AP1840I-B-K9

2.7 Interface Ports and Cabling

Cable Description	Length (m)	To	From
RS232 Male to Ethernet Cable	2 m	RS232 Female to USB Cable	EUT
RS232 Female to USB Cable	2 m	Laptop	RS232 Male to Ethernet Cable

3 Summary of Test Results

FCC Rules	Description of Test	Result
FCC §2.1053, §15.205, §15.209, 15.407(b) ISED RSS-247 §6.2	Spurious Radiated Emissions	Compliant

4 FCC §15.209, §15.407(b) and ISEDC RSS-247 §6.2 - Spurious Radiated Emissions

4.1 Applicable Standard

As Per FCC §15.205(a) except as show in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 – 0.110	16.42 – 16.423	960 – 1240	4.5 – 5.15
0.495 – 0.505	16.69475 – 16.69525	1300 – 1427	5.35 – 5.46
2.1735 – 2.1905	25.5 – 25.67	1435 – 1626.5	7.25 – 7.75
4.125 – 4.128	37.5 – 38.25	1645.5 – 1646.5	8.025 – 8.5
4.17725 – 4.17775	73 – 74.6	1660 – 1710	9.0 – 9.2
4.20725 – 4.20775	74.8 – 75.2	1718.8 – 1722.2	9.3 – 9.5
6.215 – 6.218	108 – 121.94	2200 – 2300	10.6 – 12.7
6.26775 – 6.26825	123 – 138	2310 – 2390	13.25 – 13.4
6.31175 – 6.31225	149.9 – 150.05	2483.5 – 2500	14.47 – 14.5
8.291 – 8.294	156.52475 – 156.52525	2690 – 2900	15.35 – 16.2
8.362 – 8.366	156.7 – 156.9	3260 – 3267	17.7 – 21.4
8.37625 – 8.38675	162.0125 – 167.17	3.332 – 3.339	22.01 – 23.12
8.41425 – 8.41475	167.72 – 173.2	3.3458 – 3.358	23.6 – 24.0
12.29 – 12.293	240 – 285	3.600 – 4.400	31.2 – 31.8
12.51975 – 12.52025	322 – 335.4		36.43 – 36.5
12.57675 – 12.57725	399.9 – 410		Above 38.6
13.36 – 13.41	608 – 614		

As per FCC §15.209: The emissions from an intentional radiator shall not exceed the field strength levels specified in the following table

Frequency (MHz)	Field Strength (micro volts/meter)	Measurement Distance (meters)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100 Note 1	3
88 - 216	150 Note 1	3
216 - 960	200 Note 1	3
Above 960	500	3

Note 1: Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

As per FCC Part 15.407 (b)

(1) 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.

(2) 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.

(3) 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.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) 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.

(ii) Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.

(5) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

(6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.

(7) The provisions of §15.205 apply to intentional radiators operating under this section.

(8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

As per ISED RSS-247 §6.2

For transmitters operating in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/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. Otherwise, the transmission is considered as intentional and the devices shall implement dynamic frequency selection (DFS) and transmitter power control (TPC) as per the requirements for the band 5250-5350 MHz

For devices with both operating frequencies and channel bandwidths contained within the band 5250-5350 MHz, the device shall comply with the following:

1. All emissions outside the band 5250-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. if the equipment is intended for outdoor use; or
2. All emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. and any emissions within the band 5150-5250 MHz shall meet the power spectral density limits of Section 6.2.1. The device shall be labelled "for indoor use only."

For devices with operating frequencies in the band 5250-5350 MHz but having a channel bandwidth that overlaps the band 5150-5250 MHz, the devices' unwanted emission shall not exceed -27 dBm/MHz e.i.r.p. outside the band 5150-5350 MHz and its power shall comply with the spectral power density for operation within the band 5150-5250 MHz. The device shall be labelled "for indoor use only."

For transmitters operating in the band 5470-5725 MHz, emissions outside the band shall not exceed -27 dBm/MHz e.i.r.p.

For the band 5725-5850 MHz, emissions at frequencies from the band edges to 10 MHz above or below the band edges shall not exceed -17 dBm/MHz e.i.r.p. For emissions at frequencies more than 10 MHz above or below the band edges, the emissions power shall not exceed -27 dBm/MHz.

4.2 Test Setup

The radiated emissions tests were performed in the 5-meter Chamber, using the setup in accordance with ANSI C63.10-2013. The specification used was the FCC 15.407 and ISSED RSS-247 limits.

The spacing between the peripherals was 10 centimeters.

External I/O cables were draped along the edge of the test table and bundle when necessary.

4.3 Test Procedure

For the radiated emissions test, the EUT host, and all support equipment power cords were connected to the AC floor outlet.

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

The EUT is set 3 meter away from the testing antenna, which is varied from 1-4 meter, and the EUT is placed on a turntable, which is 0.8 meter or 1.5 meter above ground plane, the table shall be rotated for 360 degrees to find out the highest emission. The receiving antenna should be changed the polarization both of horizontal and vertical.

The spectrum analyzer or receiver is set as:

Below 1000 MHz:

RBW = 100 kHz / VBW = 300 kHz / Sweep = Auto

Above 1000 MHz:

- 1) Peak: RBW = 1MHz / VBW = 3MHz / Sweep = 100 ms
- 2) Average: RBW = 1MHz / VBW = 1 / T or 10 Hz / Sweep = Auto

4.4 Corrected Amplitude and Margin Calculation

The Corrected Amplitude (CA) is calculated by adding the Antenna Factor (AF), the Cable Loss (CL), the Attenuator Factor (Atten) and subtracting the Amplifier Gain (Ga) to indicated Amplitude (Ai) reading. The basic equation is as follows:

$$CA = Ai + AF + CL + Atten - Ga$$

For example, a corrected amplitude of 40.3 dBuV/m = Indicated Reading (32.5 dBuV) + Antenna Factor (+23.5dB) + Cable Loss (3.7 dB) + Attenuator (10 dB) - Amplifier Gain (29.4 dB)

The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. For example, a margin of -7 dB means the emission is 7 dB below the maximum limit for Class A. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Corrected Amplitude} - \text{Limit}$$

4.5 Test Equipment List and Details

Manufacturer	Description	Model No.	Serial No.	Calibration Date	Calibration Interval
Rohde and Schwarz	Receiver, EMI Test	ESCI 1166.5950K03	100338	2018-07-05	2 years
Agilent	Analyzer, Spectrum	E4446A	MY48250238	2018-05-08	1 year
Sunol Sciences	System Controller	SC99V	011003-1	N/R	N/A
Sunol Sciences	Antenna, Biconi-Log	JB1	A013105-3	2018-02-26	2 years
Wisewave	Antenna, Horn	ARH-4223-02	10555-02	2018-02-14	2 years
Wisewave	Antenna, Horn	ARH-4223-02	10555-01	2018-02-14	2 years
Agilent	Amplifier, Pre	8447D	2944A10187	2018-04-02	1 year
Insulated Wire INC	2.92mm (M) X2, 1501 Armor Neoprene, 396	KPS-1501AN- 3960-KPS	DC 1807	2018-03-13	2 years
-	SMA cable	-	C00011	Each time ¹	N/A
-	N-Type Cable	-	C00012	Each time ¹	N/A
-	N-Type Cable	-	C00014	Each time ¹	N/A
HP	Pre-Amplifier	8449B	3008A01978	2018-08-10	1 year
Sunol Sciences	Antenna, Horn	DRH-118	A052704	2017-03-27	2 years
Vasona	Test software	V6.0 build 11	10400213	N/R	N/R
A.H. Systems	Pre-Amplifier	PAM 1840V	170	2018-09-10	1 Year

Note¹: cables included in the test set-up will be checked each time before testing.

Statement of Traceability: *BACL Corp. attests that all of the calibrations on the equipment items listed above were traceable to NIST or to another internationally recognized National Metrology Institute (NMI), and were compliant with A2LA Policy P102 (dated 09 June 2016) “A2LA Policy on Metrological Traceability”.*

4.6 Test Environmental Conditions

Temperature:	22-25 °C
Relative Humidity:	29-30 %
ATM Pressure:	102.1 kPa

The testing was performed by Zhao Zhao and Alexandrae Duran from 2019-03-15 to 2019-03-22 in 5m chamber 3.

4.7 Summary of Test Results

According to the data hereinafter, the EUT complied with the FCC Part 15.407 and RSS-247 standards' radiated emissions limits, and had the worst margin of:

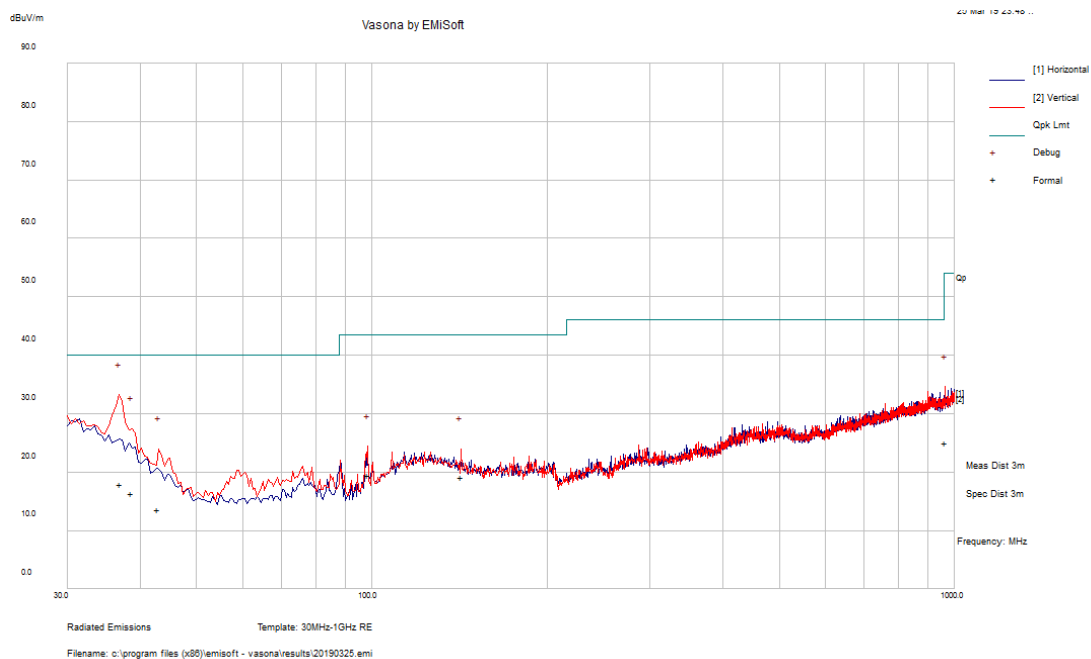
Mode: Transmitting			
Margin (dB)	Frequency (MHz)	Polarization (Horizontal/Vertical)	Mode, Channel
-2.58	17475	Vertical	a20 mode, 5825 MHz

Please refer to the following table and plots for specific test result details

4.8 Radiated Emissions Test Result

1) 30 MHz – 1 GHz Worst Case, Measured at 3 meters

Worst Case Colocation, BLE 2480MHz, 2.4 GHz Wi-Fi HT/VHT20 mode 2412MHz and 5 GHz Wi-Fi HT/VHT80 mode 5290 MHz



Frequency (MHz)	Corrected Amplitude (dB μ V/m)	Antenna Height (cm)	Antenna Polarity (H/V)	Turntable Azimuth (degrees)	Limit (dB μ V/m)	Margin (dB)	Comment
37.00475	17.94	300	V	324	40	-22.06	Pass
38.6945	16.45	265	V	267	40	-23.55	Pass
42.88775	13.62	285	V	120	40	-26.38	Pass
98.49475	19.43	115	V	69	43.5	-24.07	Pass
963.85525	25	200	V	230	54	-29	Pass
142.18	19.21	200	V	295	43.5	-24.29	Pass

2) 1GHz–18GHz, 5 GHz Wi-Fi standalone measured at 1 meters**5150 - 5250 MHz**

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
Low Channel 5180 MHz Non HT20 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10360	46.82	162	191	H	38.41	14.66	34.93	64.96	84	-19.04	PK
10360	35.06	162	191	H	38.41	14.66	34.93	53.20	64	-10.80	AV
10360	48.26	203	188	V	38.37	14.66	34.93	66.36	84	-17.64	PK
10360	34.11	203	188	V	38.37	14.66	34.93	52.21	64	-11.79	AV
15480	43.30	0	100	H	39.16	19.01	33.95	67.52	84	-16.48	PK
15480	33.89	0	100	H	39.16	19.01	33.95	58.11	64	-5.89	AV
15480	43.53	0	100	V	38.96	19.01	33.95	67.55	84	-16.45	PK
15480	31.39	0	100	V	38.96	19.01	33.95	55.41	64	-8.59	AV
Mid Channel 5220 MHz Non HT20 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10440	46.67	145	191	H	38.41	14.66	34.93	64.81	84	-19.19	PK
10440	34.60	145	191	H	38.41	14.66	34.93	52.74	64	-11.26	AV
10440	47.07	285	192	V	38.37	14.66	34.93	65.17	84	-18.83	PK
10440	35.30	285	192	V	38.37	14.66	34.93	53.40	64	-10.60	AV
15660	42.86	0	100	H	39.16	19.01	33.95	67.08	84	-16.92	PK
15660	31.69	0	100	H	39.16	19.01	33.95	55.91	64	-8.09	AV
15660	43.37	0	100	V	38.96	19.01	33.95	67.39	84	-16.61	PK
15660	31.78	0	100	V	38.96	19.01	33.95	55.80	64	-8.20	AV
High Channel 5240 MHz Non HT20 mode power setting: 17											
1344	49.72	180	171	H	25.14	4.21	37.13	41.93	84	-42.07	PK
1344	42.15	180	171	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10480	45.61	109	188	H	38.41	14.66	34.93	63.75	84	-20.25	PK
10480	33.85	109	188	H	38.41	14.66	34.93	51.99	64	-12.01	AV
10480	48.03	187	179	V	38.37	14.66	34.93	66.13	84	-17.87	PK
10480	37.21	187	179	V	38.37	14.66	34.93	55.31	64	-8.69	AV
15720	42.96	0	100	H	39.16	19.01	33.95	67.18	84	-16.82	PK
15720	32.97	0	100	H	39.16	19.01	33.95	57.19	64	-6.81	AV
15720	43.26	0	100	V	38.96	19.01	33.95	67.28	84	-16.72	PK
15720	33.57	0	100	V	38.96	19.01	33.95	57.59	64	-6.41	AV

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
Low Channel 5180 MHz HT/VHT20 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10360	46.82	162	191	H	38.41	14.66	34.93	64.96	84	-19.04	PK
10360	35.06	162	191	H	38.41	14.66	34.93	53.20	64	-10.80	AV
10360	47.05	313	194	V	38.37	14.66	34.93	65.15	84	-18.85	PK
10300	35.98	313	194	V	38.37	14.66	34.93	54.08	64	-9.92	AV
15480	43.30	0	100	H	39.16	19.01	33.95	67.52	84	-16.48	PK
15480	33.89	0	100	H	39.16	19.01	33.95	58.11	64	-5.89	AV
15480	42.81	0	100	V	38.96	19.01	33.95	66.83	84	-17.17	PK
15480	31.30	0	100	V	38.96	19.01	33.95	55.32	64	-8.68	AV
Mid Channel 5220 MHz HT/VHT20 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10440	46.38	145	191	H	38.41	14.66	34.93	64.52	84	-19.48	PK
10440	34.29	145	191	H	38.41	14.66	34.93	52.43	64	-11.57	AV
10440	46.85	187	179	V	38.37	14.66	34.93	64.95	84	-19.05	PK
10440	37.14	187	179	V	38.37	14.66	34.93	55.24	64	-8.76	AV
15660	42.39	0	100	H	39.16	19.01	33.95	66.61	84	-17.39	PK
15660	31.20	0	100	H	39.16	19.01	33.95	55.42	64	-8.58	AV
15660	43.13	0	100	V	38.96	19.01	33.95	67.15	84	-16.85	PK
15660	34.08	0	100	V	38.96	19.01	33.95	58.10	64	-5.90	AV
High Channel 5240 MHz HT/VHT20 mode power setting: 17											
1344	49.72	180	171	H	25.14	4.21	37.13	41.93	84	-42.07	PK
1344	42.15	180	171	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10480	45.65	109	188	H	38.41	14.66	34.93	63.79	84	-20.21	PK
10480	33.45	109	188	H	38.41	14.66	34.93	51.59	64	-12.41	AV
10480	47.39	187	179	V	38.37	14.66	34.93	65.49	84	-18.51	PK
10480	36.66	187	179	V	38.37	14.66	34.93	54.76	64	-9.24	AV
15720	43.25	0	100	H	39.16	19.01	33.95	67.47	84	-16.53	PK
15720	32.38	0	100	H	39.16	19.01	33.95	56.60	64	-7.40	AV
15720	43.03	0	100	V	38.96	19.01	33.95	67.05	84	-16.95	PK
15720	33.37	0	100	V	38.96	19.01	33.95	57.39	64	-6.61	AV

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
Low Channel 5190 MHz Non HT40 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10380	45.03	160	199	H	38.41	14.66	34.93	63.17	84	-20.83	PK
10380	34.37	160	199	H	38.41	14.66	34.93	52.51	64	-11.49	AV
10380	44.75	177	195	V	38.37	14.66	34.93	62.85	84	-21.15	PK
10380	34.36	177	195	V	38.37	14.66	34.93	52.46	64	-11.54	AV
15570	43.86	0	100	H	39.16	19.01	33.95	68.08	84	-15.92	PK
15570	34.29	0	100	H	39.16	19.01	33.95	58.51	64	-5.49	AV
15570	43.39	0	100	V	38.96	19.01	33.95	67.41	84	-16.59	PK
15570	32.79	0	100	V	38.96	19.01	33.95	56.81	64	-7.19	AV
High Channel 5230 MHz Non HT40 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10460	44.78	134	192	H	38.41	14.66	34.93	62.92	84	-21.08	PK
10460	34.68	134	192	H	38.41	14.66	34.93	52.82	64	-11.18	AV
10460	46.71	177	178	V	38.37	14.66	34.93	64.81	84	-19.19	PK
10460	35.88	177	178	V	38.37	14.66	34.93	53.98	64	-10.02	AV
15690	43.63	0	100	H	39.16	19.01	33.95	67.85	84	-16.15	PK
15690	32.23	0	100	H	39.16	19.01	33.95	56.45	64	-7.55	AV
15690	43.25	0	100	V	38.96	19.01	33.95	67.27	84	-16.73	PK
15690	33.09	0	100	V	38.96	19.01	33.95	57.11	64	-6.89	AV

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
Low Channel 5190 MHz HT/VHT40 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10380	44.88	160	199	H	38.41	14.66	34.93	63.02	84	-20.98	PK
10380	34.13	160	199	H	38.41	14.66	34.93	52.27	64	-11.73	AV
10380	43.96	177	195	V	38.37	14.66	34.93	62.06	84	-21.94	PK
10380	34.37	177	195	V	38.37	14.66	34.93	52.47	64	-11.53	AV
15570	43.95	0	100	H	39.16	19.01	33.95	68.17	84	-15.83	PK
15570	34.32	0	100	H	39.16	19.01	33.95	58.54	64	-5.46	AV
15570	42.38	0	100	V	38.96	19.01	33.95	66.40	84	-17.60	PK
15570	33.07	0	100	V	38.96	19.01	33.95	57.09	64	-6.91	AV
High Channel 5230 MHz HT/VHT40 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10460	44.12	134	192	H	38.41	14.66	34.93	62.26	84	-21.74	PK
10460	34.83	134	192	H	38.41	14.66	34.93	52.97	64	-11.03	AV
10460	46.38	177	178	V	38.37	14.66	34.93	64.48	84	-19.52	PK
10460	37.20	177	178	V	38.37	14.66	34.93	55.30	64	-8.70	AV
15690	43.25	0	100	H	39.16	19.01	33.95	67.47	84	-16.53	PK
15690	32.69	0	100	H	39.16	19.01	33.95	56.91	64	-7.09	AV
15690	43.15	0	100	V	38.96	19.01	33.95	67.17	84	-16.83	PK
15690	34.00	0	100	V	38.96	19.01	33.95	58.02	64	-5.98	AV

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
High Channel 5210 MHz Non HT80 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10420	45.29	158	192	H	38.41	14.66	34.93	63.43	84	-20.57	PK
10420	35.60	158	192	H	38.41	14.66	34.93	53.74	64	-10.26	AV
10420	45.09	178	197	V	38.37	14.66	34.93	63.19	84	-20.81	PK
10420	34.90	178	197	V	38.37	14.66	34.93	53.00	64	-11.00	AV
15630	43.99	0	100	H	39.16	19.01	33.95	68.21	84	-15.79	PK
15630	33.84	0	100	H	39.16	19.01	33.95	58.06	64	-5.94	AV
15630	43.43	0	100	V	38.96	19.01	33.95	67.45	84	-16.55	PK
15630	33.89	0	100	V	38.96	19.01	33.95	57.91	64	-6.09	AV
High Channel 5210 MHz VHT80 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10420	44.56	158	192	H	38.41	14.66	34.93	62.70	84	-21.30	PK
10420	35.47	158	192	H	38.41	14.66	34.93	53.61	64	-10.39	AV
10420	44.13	178	197	V	38.37	14.66	34.93	62.23	84	-21.77	PK
10420	35.34	178	197	V	38.37	14.66	34.93	53.44	64	-10.56	AV
15630	42.98	0	100	H	39.16	19.01	33.95	67.20	84	-16.80	PK
15630	32.06	0	100	H	39.16	19.01	33.95	56.28	64	-7.72	AV
15630	43.16	0	100	V	38.96	19.01	33.95	67.18	84	-16.82	PK
15630	31.97	0	100	V	38.96	19.01	33.95	55.99	64	-8.01	AV

5250 - 5350 MHz

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
Low Channel 5260 MHz Non HT20 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10520	45.87	150	185	H	38.41	14.66	34.93	64.01	84	-19.99	PK
10520	35.43	150	185	H	38.41	14.66	34.93	53.57	64	-10.43	AV
10520	46.20	309	192	V	38.37	14.66	34.93	64.30	84	-19.70	PK
10520	35.41	309	192	V	38.37	14.66	34.93	53.51	64	-10.49	AV
15780	42.82	0	100	H	39.16	19.01	33.95	67.04	84	-16.96	PK
15780	31.73	0	100	H	39.16	19.01	33.95	55.95	64	-8.05	AV
15780	43.18	0	100	V	38.96	19.01	33.95	67.20	84	-16.80	PK
15780	31.80	0	100	V	38.96	19.01	33.95	55.82	64	-8.18	AV
Mid Channel 5300 MHz Non HT20 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10600	46.96	152	193	H	38.41	14.66	34.93	65.10	84	-18.90	PK
10600	36.54	152	193	H	38.41	14.66	34.93	54.68	64	-9.32	AV
10600	48.05	180	183	V	38.37	14.66	34.93	66.15	84	-17.85	PK
10600	37.28	180	183	V	38.37	14.66	34.93	55.38	64	-8.62	AV
15900	42.23	0	100	H	39.16	19.01	33.95	66.45	84	-17.55	PK
15900	31.22	0	100	H	39.16	19.01	33.95	55.44	64	-8.56	AV
15900	42.20	0	100	V	38.96	19.01	33.95	66.22	84	-17.78	PK
15900	31.49	0	100	V	38.96	19.01	33.95	55.51	64	-8.49	AV
High Channel 5320MHz Non HT20 mode power setting: 17											
1344	49.72	180	171	H	25.14	4.21	37.13	41.93	84	-42.07	PK
1344	42.15	180	171	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10640	48.14	145	189	H	38.41	14.66	34.93	66.28	84	-17.72	PK
10640	36.24	145	189	H	38.41	14.66	34.93	54.38	64	-9.62	AV
10640	48.91	178	180	V	38.37	14.66	34.93	67.01	84	-16.99	PK
10640	37.78	178	180	V	38.37	14.66	34.93	55.88	64	-8.12	AV
15960	43.00	0	100	H	39.16	19.01	33.95	67.22	84	-16.78	PK
15960	30.85	0	100	H	39.16	19.01	33.95	55.07	64	-8.93	AV
15960	42.45	0	100	V	38.96	19.01	33.95	66.47	84	-17.53	PK
15960	31.00	0	100	V	38.96	19.01	33.95	55.02	64	-8.98	AV

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
Low Channel 5260 MHz HT/VHT20 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10520	45.35	150	185	H	38.41	14.66	34.93	63.49	84	-20.51	PK
10520	35.83	150	185	H	38.41	14.66	34.93	53.97	64	-10.03	AV
10520	47.06	309	192	V	38.37	14.66	34.93	65.16	84	-18.84	PK
10520	36.04	309	192	V	38.37	14.66	34.93	54.14	64	-9.86	AV
15780	43.03	0	100	H	39.16	19.01	33.95	67.25	84	-16.75	PK
15780	32.36	0	100	H	39.16	19.01	33.95	56.58	64	-7.42	AV
15780	42.88	0	100	V	38.96	19.01	33.95	66.90	84	-17.10	PK
15780	31.97	0	100	V	38.96	19.01	33.95	55.99	64	-8.01	AV
Middle Channel 5300 MHz HT/VHT20 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10600	46.57	152	193	H	38.41	14.66	34.93	64.71	84	-19.29	PK
10600	35.39	152	193	H	38.41	14.66	34.93	53.53	64	-10.47	AV
10600	47.46	180	183	V	38.37	14.66	34.93	65.56	84	-18.44	PK
10600	36.59	180	183	V	38.37	14.66	34.93	54.69	64	-9.31	AV
15900	42.36	0	100	H	39.16	19.01	33.95	66.58	84	-17.42	PK
15900	32.33	0	100	H	39.16	19.01	33.95	56.55	64	-7.45	AV
15900	42.48	0	100	V	38.96	19.01	33.95	66.50	84	-17.50	PK
15900	31.24	0	100	V	38.96	19.01	33.95	55.26	64	-8.74	AV
Middle Channel 5320 MHz HT/VHT20 mode power setting: 17											
1344	49.72	180	171	H	25.14	4.21	37.13	41.93	84	-42.07	PK
1344	42.15	180	171	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10640	47.69	145	189	H	38.41	14.66	34.93	65.83	84	-18.17	PK
10640	36.44	145	189	H	38.41	14.66	34.93	54.58	64	-9.42	AV
10640	48.57	178	180	V	38.37	14.66	34.93	66.67	84	-17.33	PK
10640	37.62	178	180	V	38.37	14.66	34.93	55.72	64	-8.28	AV
15960	43.06	0	100	H	39.16	19.01	33.95	67.28	84	-16.72	PK
15960	31.05	0	100	H	39.16	19.01	33.95	55.27	64	-8.73	AV
15960	42.86	0	100	V	38.96	19.01	33.95	66.88	84	-17.12	PK
15960	31.45	0	100	V	38.96	19.01	33.95	55.47	64	-8.53	AV

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
Low Channel 5270 MHz Non HT40 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10540	45.06	206	193	H	38.41	14.66	34.93	63.20	84	-20.80	PK
10540	35.18	206	193	H	38.41	14.66	34.93	53.32	64	-10.68	AV
10540	46.28	193	222	V	38.37	14.66	34.93	64.38	84	-19.62	PK
10540	36.18	193	222	V	38.37	14.66	34.93	54.28	64	-9.72	AV
15810	43.37	0	100	H	39.16	19.01	33.95	67.59	84	-16.41	PK
15810	33.90	0	100	H	39.16	19.01	33.95	58.12	64	-5.88	AV
15810	42.89	0	100	V	38.96	19.01	33.95	66.91	84	-17.09	PK
15810	33.09	0	100	V	38.96	19.01	33.95	57.11	64	-6.89	AV
High Channel 5310 MHz Non HT40 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10620	46.58	145	206	H	38.41	14.66	34.93	64.72	84	-19.28	PK
10620	35.96	145	206	H	38.41	14.66	34.93	54.10	64	-9.90	AV
10620	46.39	195	223	V	38.37	14.66	34.93	64.49	84	-19.51	PK
10620	36.48	195	223	V	38.37	14.66	34.93	54.58	64	-9.42	AV
15930	42.86	0	100	H	39.16	19.01	33.95	67.08	84	-16.92	PK
15930	34.21	0	100	H	39.16	19.01	33.95	58.43	64	-5.57	AV
15930	43.06	0	100	V	38.96	19.01	33.95	67.08	84	-16.92	PK
15930	33.47	0	100	V	38.96	19.01	33.95	57.49	64	-6.51	AV

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
Low Channel 5270 MHz HT/VHT40 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10540	44.80	206	193	H	38.41	14.66	34.93	62.94	84	-21.06	PK
10540	35.62	206	193	H	38.41	14.66	34.93	53.76	64	-10.24	AV
10540	46.38	193	222	V	38.37	14.66	34.93	64.48	84	-19.52	PK
10540	36.71	193	222	V	38.37	14.66	34.93	54.81	64	-9.19	AV
15810	43.49	0	100	H	39.16	19.01	33.95	67.71	84	-16.29	PK
15810	33.87	0	100	H	39.16	19.01	33.95	58.09	64	-5.91	AV
15810	43.11	0	100	V	38.96	19.01	33.95	67.13	84	-16.87	PK
15810	33.82	0	100	V	38.96	19.01	33.95	57.84	64	-6.16	AV
High Channel 5310 MHz HT/VHT40 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10620	45.73	145	206	H	38.41	14.66	34.93	63.87	84	-20.13	PK
10620	36.05	145	206	H	38.41	14.66	34.93	54.19	64	-9.81	AV
10620	45.88	195	223	V	38.37	14.66	34.93	63.98	84	-20.02	PK
10620	36.55	195	223	V	38.37	14.66	34.93	54.65	64	-9.35	AV
15930	42.83	0	100	H	39.16	19.01	33.95	67.05	84	-16.95	PK
15930	33.43	0	100	H	39.16	19.01	33.95	57.65	64	-6.35	AV
15930	42.59	0	100	V	38.96	19.01	33.95	66.61	84	-17.39	PK
15930	33.64	0	100	V	38.96	19.01	33.95	57.66	64	-6.34	AV

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
High Channel 5290 MHz Non HT 80 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10580	44.54	136	206	H	38.41	14.66	34.93	62.68	84	-21.32	PK
10580	33.95	136	206	H	38.41	14.66	34.93	52.09	64	-11.91	AV
10580	44.17	181	201	V	38.37	14.66	34.93	62.27	84	-21.73	PK
10580	34.85	181	201	V	38.37	14.66	34.93	52.95	64	-11.05	AV
15870	42.67	0	100	H	39.16	19.01	33.95	66.89	84	-17.11	PK
15870	32.63	0	100	H	39.16	19.01	33.95	56.85	64	-7.15	AV
15870	42.95	0	100	V	38.96	19.01	33.95	66.97	84	-17.03	PK
15870	33.82	0	100	V	38.96	19.01	33.95	57.84	64	-6.16	AV
High Channel 5290 MHz VHT80 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
10580	45.98	136	206	H	38.41	14.66	34.93	64.12	84	-19.88	PK
10580	16.03	136	206	H	38.41	14.66	34.93	34.17	64	-29.83	AV
10580	44.95	181	201	V	38.37	14.66	34.93	63.05	84	-20.95	PK
10580	35.92	181	201	V	38.37	14.66	34.93	54.02	64	-9.98	AV
15870	45.87	0	100	H	39.16	19.01	33.95	70.09	84	-13.91	PK
15870	36.26	0	100	H	39.16	19.01	33.95	60.48	64	-3.52	AV
15870	42.81	0	100	V	38.96	19.01	33.95	66.83	84	-17.17	PK
15870	33.79	0	100	V	38.96	19.01	33.95	57.81	64	-6.19	AV

5470 - 5725 MHz

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISEDC		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
Low Channel 5500 MHz Non HT20 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
11000	48.24	171	221	H	38.41	14.66	34.93	66.38	84	-17.62	PK
11000	36.65	171	221	H	38.41	14.66	34.93	54.79	64	-9.21	AV
11000	47.88	230	237	V	38.37	14.66	34.93	65.98	84	-18.02	PK
11000	37.22	230	237	V	38.37	14.66	34.93	55.32	64	-8.68	AV
16500	42.93	0	100	H	39.16	19.01	33.95	67.15	84	-16.85	PK
16500	31.47	0	100	H	39.16	19.01	33.95	55.69	64	-8.31	AV
16500	43.83	0	100	V	38.96	19.01	33.95	67.85	84	-16.15	PK
16500	31.98	0	100	V	38.96	19.01	33.95	56.00	64	-8.00	AV
Mid Channel 5580 MHz Non HT20 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
11160	47.04	172	223	H	38.41	14.66	34.93	65.18	84	-18.82	PK
11160	35.46	172	223	H	38.41	14.66	34.93	53.60	64	-10.40	AV
11160	46.47	230	237	V	38.37	14.66	34.93	64.57	84	-19.43	PK
11160	35.95	230	237	V	38.37	14.66	34.93	54.05	64	-9.95	AV
16740	42.58	0	100	H	39.16	19.01	33.95	66.80	84	-17.20	PK
16740	31.04	0	100	H	39.16	19.01	33.95	55.26	64	-8.74	AV
16740	42.81	0	100	V	38.96	19.01	33.95	66.83	84	-17.17	PK
16740	31.14	0	100	V	38.96	19.01	33.95	55.16	64	-8.84	AV
High Channel 5700 MHz Non HT20 mode power setting: 17											
1344	49.72	180	171	H	25.14	4.21	37.13	41.93	84	-42.07	PK
1344	42.15	180	171	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
11400	45.44	253	219	H	38.41	14.66	34.93	63.58	84	-20.42	PK
11400	33.85	253	219	H	38.41	14.66	34.93	51.99	64	-12.01	AV
11400	46.89	310	214	V	38.37	14.66	34.93	64.99	84	-19.01	PK
11400	35.44	310	214	V	38.37	14.66	34.93	53.54	64	-10.46	AV
17100	42.73	0	100	H	39.16	19.01	33.95	66.95	84	-17.05	PK
17100	30.97	0	100	H	39.16	19.01	33.95	55.19	64	-8.81	AV
17100	42.42	0	100	V	38.96	19.01	33.95	66.44	84	-17.56	PK
17100	31.10	0	100	V	38.96	19.01	33.95	55.12	64	-8.88	AV

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
High Channel 5720 MHz Non HT20 mode power setting: 17											
1344	49.72	180	171	H	25.14	4.21	37.13	41.93	84	-42.07	PK
1344	42.15	180	171	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
11460	44.93	254	216	H	38.41	14.66	34.93	63.07	84	-20.93	PK
11460	33.96	254	216	H	38.41	14.66	34.93	52.10	64	-11.90	AV
11460	46.63	310	214	V	38.37	14.66	34.93	64.73	84	-19.27	PK
11460	35.52	310	214	V	38.37	14.66	34.93	53.62	64	-10.38	AV
17160	42.22	0	100	H	39.16	19.01	33.95	66.44	84	-17.56	PK
17160	30.88	0	100	H	39.16	19.01	33.95	55.10	64	-8.90	AV
17160	42.26	0	100	V	38.96	19.01	33.95	66.28	84	-17.72	PK
17160	31.00	0	100	V	38.96	19.01	33.95	55.02	64	-8.98	AV

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
Low Channel 5500 MHz HT/VHT20 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
11000	27.24	170	224	H	38.41	14.66	34.93	45.38	84	-38.62	PK
11000	37.07	170	224	H	38.41	14.66	34.93	55.21	64	-8.79	AV
11000	50.35	222	224	V	38.37	14.66	34.93	68.45	84	-15.55	PK
11000	38.05	222	224	V	38.37	14.66	34.93	56.15	64	-7.85	AV
16500	43.54	0	100	H	39.16	19.01	33.95	67.76	84	-16.24	PK
16500	32.67	0	100	H	39.16	19.01	33.95	56.89	64	-7.11	AV
16500	43.07	0	100	V	38.96	19.01	33.95	67.09	84	-16.91	PK
16500	32.67	0	100	V	38.96	19.01	33.95	56.69	64	-7.31	AV
Mid Channel 5580 MHz HT/VHT20 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
11160	45.83	170	233	H	38.41	14.66	34.93	63.97	84	-20.03	PK
11160	35.28	170	233	H	38.41	14.66	34.93	53.42	64	-10.58	AV
11160	48.39	222	237	V	38.37	14.66	34.93	66.49	84	-17.51	PK
11160	36.11	222	237	V	38.37	14.66	34.93	54.21	64	-9.79	AV
16740	42.29	0	100	H	39.16	19.01	33.95	66.51	84	-17.49	PK
16740	31.55	0	100	H	39.16	19.01	33.95	55.77	64	-8.23	AV
16740	42.44	0	100	V	38.96	19.01	33.95	66.46	84	-17.54	PK
16740	31.77	0	100	V	38.96	19.01	33.95	55.79	64	-8.21	AV
High Channel 5700 MHz HT/VHT20 mode power setting: 17											
1344	49.72	180	171	H	25.14	4.21	37.13	41.93	84	-42.07	PK
1344	42.15	180	171	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
11400	45.84	222	210	H	38.41	14.66	34.93	63.98	84	-20.02	PK
11400	34.81	222	210	H	38.41	14.66	34.93	52.95	64	-11.05	AV
11400	48.21	295	224	V	38.37	14.66	34.93	66.31	84	-17.69	PK
11400	36.31	295	224	V	38.37	14.66	34.93	54.41	64	-9.59	AV
17100	42.34	0	100	H	39.16	19.01	33.95	66.56	84	-17.44	PK
17100	31.79	0	100	H	39.16	19.01	33.95	56.01	64	-7.99	AV
17100	42.04	0	100	V	38.96	19.01	33.95	66.06	84	-17.94	PK
17100	31.97	0	100	V	38.96	19.01	33.95	55.99	64	-8.01	AV

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
High Channel 5720 MHz HT/VHT20 mode power setting: 17											
1344	49.72	180	171	H	25.14	4.21	37.13	41.93	84	-42.07	PK
1344	42.15	180	171	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
11460	45.44	244	211	H	38.41	14.66	34.93	63.58	84	-20.42	PK
11460	34.80	244	211	H	38.41	14.66	34.93	52.94	64	-11.06	AV
11460	47.28	200	241	V	38.37	14.66	34.93	65.38	84	-18.62	PK
11460	35.78	200	241	V	38.37	14.66	34.93	53.88	64	-10.12	AV
17160	42.48	0	100	H	39.16	19.01	33.95	66.70	84	-17.30	PK
17160	31.98	0	100	H	39.16	19.01	33.95	56.20	64	-7.80	AV
17160	42.02	0	100	V	38.96	19.01	33.95	66.04	84	-17.96	PK
17160	31.95	0	100	V	38.96	19.01	33.95	55.97	64	-8.03	AV

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
Low Channel 5510 MHz Non HT40 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
11020	48.34	171	214	H	38.41	14.66	34.93	66.48	84	-17.52	PK
11020	36.50	171	214	H	38.41	14.66	34.93	54.64	64	-9.36	AV
11020	47.89	114	218	V	38.37	14.66	34.93	65.99	84	-18.01	PK
11020	36.42	114	218	V	38.37	14.66	34.93	54.52	64	-9.48	AV
16530	43.57	0	100	H	39.16	19.01	33.95	67.79	84	-16.21	PK
16530	32.02	0	100	H	39.16	19.01	33.95	56.24	64	-7.76	AV
16530	43.31	0	100	V	38.96	19.01	33.95	67.33	84	-16.67	PK
16530	32.01	0	100	V	38.96	19.01	33.95	56.03	64	-7.97	AV
Mid Channel 5550 MHz Non HT40 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
11100	46.66	232	211	H	38.41	14.66	34.93	64.80	84	-19.20	PK
11100	35.94	232	211	H	38.41	14.66	34.93	54.08	64	-9.92	AV
11100	46.99	116	214	V	38.37	14.66	34.93	65.09	84	-18.91	PK
11100	36.54	116	214	V	38.37	14.66	34.93	54.64	64	-9.36	AV
16650	42.94	0	100	H	39.16	19.01	33.95	67.16	84	-16.84	PK
16650	31.35	0	100	H	39.16	19.01	33.95	55.57	64	-8.43	AV
16650	43.08	0	100	V	38.96	19.01	33.95	67.10	84	-16.90	PK
16650	31.54	0	100	V	38.96	19.01	33.95	55.56	64	-8.44	AV
High Channel 5670 MHz Non HT40 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
11340	44.27	235	211	H	38.41	14.66	34.93	62.41	84	-21.59	PK
11340	33.30	235	211	H	38.41	14.66	34.93	51.44	64	-12.56	AV
11340	46.08	323	200	V	38.37	14.66	34.93	64.18	84	-19.82	PK
11340	35.35	323	200	V	38.37	14.66	34.93	53.45	64	-10.55	AV
17010	41.72	0	100	H	39.16	19.01	33.95	65.94	84	-18.06	PK
17010	30.70	0	100	H	39.16	19.01	33.95	54.92	64	-9.08	AV
17010	41.99	0	100	V	38.96	19.01	33.95	66.01	84	-17.99	PK
17010	30.48	0	100	V	38.96	19.01	33.95	54.50	64	-9.50	AV

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
High Channel 5710 MHz Non HT40 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
11420	43.86	233	221	H	38.41	14.66	34.93	62.00	84	-22.00	PK
11420	33.56	233	221	H	38.41	14.66	34.93	51.70	64	-12.30	AV
11420	46.39	114	197	V	38.37	14.66	34.93	64.49	84	-19.51	PK
11420	35.55	114	197	V	38.37	14.66	34.93	53.65	64	-10.35	AV
17130	41.80	0	100	H	39.16	19.01	33.95	66.02	84	-17.98	PK
17130	30.27	0	100	H	39.16	19.01	33.95	54.49	64	-9.51	AV
17130	42.03	0	100	V	38.96	19.01	33.95	66.05	84	-17.95	PK
17130	30.38	0	100	V	38.96	19.01	33.95	54.40	64	-9.60	AV

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
Low Channel 5510 MHz HT/VHT40 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
11120	44.18	0	100	H	38.41	14.66	34.93	62.32	84	-21.68	PK
11120	32.97	0	100	H	38.41	14.66	34.93	51.11	64	-12.89	AV
11120	43.77	0	100	V	38.37	14.66	34.93	61.87	84	-22.13	PK
11120	32.61	0	100	V	38.37	14.66	34.93	50.71	64	-13.29	AV
16530	42.58	0	100	H	39.16	19.01	33.95	66.80	84	-17.20	PK
16530	32.37	0	100	H	39.16	19.01	33.95	56.59	64	-7.41	AV
16530	42.62	0	100	V	38.96	19.01	33.95	66.64	84	-17.36	PK
16530	32.52	0	100	V	38.96	19.01	33.95	56.54	64	-7.46	AV
Mid Channel 5550 MHz HT/VHT40 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
11100	46.40	168	223	H	38.41	14.66	34.93	64.54	84	-19.46	PK
11100	36.41	168	223	H	38.41	14.66	34.93	54.55	64	-9.45	AV
11100	45.94	222	223	V	38.37	14.66	34.93	64.04	84	-19.96	PK
11100	36.22	222	223	V	38.37	14.66	34.93	54.32	64	-9.68	AV
16650	41.98	0	100	H	39.16	19.01	33.95	66.20	84	-17.80	PK
16650	32.02	0	100	H	39.16	19.01	33.95	56.24	64	-7.76	AV
16650	42.39	0	100	V	38.96	19.01	33.95	66.41	84	-17.59	PK
16650	32.38	0	100	V	38.96	19.01	33.95	56.40	64	-7.60	AV
High Channel 5670 MHz HT/VHT40 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
11340	42.61	292	190	H	38.41	14.66	34.93	60.75	84	-23.25	PK
11340	33.32	292	190	H	38.41	14.66	34.93	51.46	64	-12.54	AV
11340	45.18	295	240	V	38.37	14.66	34.93	63.28	84	-20.72	PK
11340	35.61	295	240	V	38.37	14.66	34.93	53.71	64	-10.29	AV
17010	41.61	0	100	H	39.16	19.01	33.95	65.83	84	-18.17	PK
17010	30.38	0	100	H	39.16	19.01	33.95	54.60	64	-9.40	AV
17010	41.17	0	100	V	38.96	19.01	33.95	65.19	84	-18.81	PK
17010	31.16	0	100	V	38.96	19.01	33.95	55.18	64	-8.82	AV

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
High Channel 5710 MHz HT/VHT40 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
11420	43.92	290	203	H	38.41	14.66	34.93	62.06	84	-21.94	PK
11420	33.72	290	203	H	38.41	14.66	34.93	51.86	64	-12.14	AV
11420	44.88	294	243	V	38.37	14.66	34.93	62.98	84	-21.02	PK
11420	35.40	294	243	V	38.37	14.66	34.93	53.50	64	-10.50	AV
17130	41.10	0	100	H	39.16	19.01	33.95	65.32	84	-18.68	PK
17130	31.28	0	100	H	39.16	19.01	33.95	55.50	64	-8.50	AV
17130	42.73	0	100	V	38.96	19.01	33.95	66.75	84	-17.25	PK
17130	31.39	0	100	V	38.96	19.01	33.95	55.41	64	-8.59	AV

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
Low Channel 5530 MHz Non HT 80 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
11060	44.81	223	204	H	38.41	14.66	34.93	62.95	84	-21.05	PK
11060	35.44	223	204	H	38.41	14.66	34.93	53.58	64	-10.42	AV
11060	43.85	262	180	V	38.37	14.66	34.93	61.95	84	-22.05	PK
11060	34.89	262	180	V	38.37	14.66	34.93	52.99	64	-11.01	AV
16590	41.06	0	100	H	39.16	19.01	33.95	65.28	84	-18.72	PK
16590	32.07	0	100	H	39.16	19.01	33.95	56.29	64	-7.71	AV
16590	40.85	0	100	V	38.96	19.01	33.95	64.87	84	-19.13	PK
16590	31.09	0	100	V	38.96	19.01	33.95	55.11	64	-8.89	AV
Mid Channel 5610 MHz Non HT 80 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
11220	43.91	230	210	H	38.41	14.66	34.93	62.05	84	-21.95	PK
11220	33.64	230	210	H	38.41	14.66	34.93	51.78	64	-12.22	AV
11220	44.61	313	196	V	38.37	14.66	34.93	62.71	84	-21.29	PK
11220	34.65	313	196	V	38.37	14.66	34.93	52.75	64	-11.25	AV
16830	40.43	0	100	H	39.16	19.01	33.95	64.65	84	-19.35	PK
16830	30.72	0	100	H	39.16	19.01	33.95	54.94	64	-9.06	AV
16830	41.49	0	100	V	38.96	19.01	33.95	65.51	84	-18.49	PK
16830	31.27	0	100	V	38.96	19.01	33.95	55.29	64	-8.71	AV
High Channel 5690 MHz Non HT 80 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
11380	43.99	223	211	H	38.41	14.66	34.93	62.13	84	-21.87	PK
11380	34.01	223	211	H	38.41	14.66	34.93	52.15	64	-11.85	AV
11380	43.80	196	225	V	38.37	14.66	34.93	61.90	84	-22.10	PK
11380	34.03	196	225	V	38.37	14.66	34.93	52.13	64	-11.87	AV
17070	40.74	0	100	H	39.16	19.01	33.95	64.96	84	-19.04	PK
17070	31.20	0	100	H	39.16	19.01	33.95	55.42	64	-8.58	AV
17070	40.99	0	100	V	38.96	19.01	33.95	65.01	84	-18.99	PK
17070	30.95	0	100	V	38.96	19.01	33.95	54.97	64	-9.03	AV

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
Low Channel 5530 MHz VHT 80 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
11060	45.20	224	210	H	38.41	14.66	34.93	63.34	84	-20.66	PK
11060	34.37	224	210	H	38.41	14.66	34.93	52.51	64	-11.49	AV
11060	45.11	221	224	V	38.37	14.66	34.93	63.21	84	-20.79	PK
11060	35.17	221	224	V	38.37	14.66	34.93	53.27	64	-10.73	AV
16590	42.45	0	100	H	39.16	19.01	33.95	66.67	84	-17.33	PK
16590	31.77	0	100	H	39.16	19.01	33.95	55.99	64	-8.01	AV
16590	41.91	0	100	V	38.96	19.01	33.95	65.93	84	-18.07	PK
16590	32.04	0	100	V	38.96	19.01	33.95	56.06	64	-7.94	AV
Mid Channel 5610 MHz VHT 80 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
11220	44.64	166	210	H	38.41	14.66	34.93	62.78	84	-21.22	PK
11220	34.67	166	210	H	38.41	14.66	34.93	52.81	64	-11.19	AV
11220	44.30	195	233	V	38.37	14.66	34.93	62.40	84	-21.60	PK
11220	34.10	195	233	V	38.37	14.66	34.93	52.20	64	-11.80	AV
16830	41.13	0	100	H	39.16	19.01	33.95	65.35	84	-18.65	PK
16830	31.47	0	100	H	39.16	19.01	33.95	55.69	64	-8.31	AV
16830	40.43	0	100	V	38.96	19.01	33.95	64.45	84	-19.55	PK
16830	30.41	0	100	V	38.96	19.01	33.95	54.43	64	-9.57	AV
High Channel 5690 MHz VHT 80 mode power setting: 17											
1344	50.02	180	177	H	25.14	4.21	37.13	42.23	84	-41.77	PK
1344	42.15	180	177	H	25.14	4.21	37.13	34.36	64	-29.64	AV
1344	52.41	186	134	V	25.13	4.21	37.13	44.62	84	-39.38	PK
1344	46.99	186	134	V	25.13	4.21	37.13	39.20	64	-24.80	AV
11380	43.03	0	100	H	38.41	14.66	34.93	61.17	84	-22.83	PK
11380	32.34	0	100	H	38.41	14.66	34.93	50.48	64	-13.52	AV
11380	43.85	296	219	V	38.37	14.66	34.93	61.95	84	-22.05	PK
11380	33.67	296	219	V	38.37	14.66	34.93	51.77	64	-12.23	AV
17070	40.24	0	100	H	39.16	19.01	33.95	64.46	84	-19.54	PK
17070	31.07	0	100	H	39.16	19.01	33.95	55.29	64	-8.71	AV
17070	40.65	0	100	V	38.96	19.01	33.95	64.67	84	-19.33	PK
17070	30.58	0	100	V	38.96	19.01	33.95	54.60	64	-9.40	AV

5735 - 5835 MHz

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
Low Channel 5745 MHz Non HT20 mode power setting: 17											
1344	50.02	180	177	H	24.98	3.81	40.88	37.93	84	-46.07	PK
1344	42.15	180	177	H	24.98	3.81	40.88	30.06	64	-33.94	AV
1344	52.41	186	134	V	24.85	3.81	40.88	40.19	84	-43.81	PK
1344	46.99	186	134	V	24.85	3.81	40.88	34.77	64	-29.23	AV
11490	47.98	176	205	H	38.45	16.23	37.97	64.69	84	-19.31	PK
11490	37.68	176	205	H	38.45	16.23	37.97	54.39	64	-9.61	AV
11490	51.32	201	222	V	38.31	15.93	37.97	67.59	84	-16.41	PK
11490	41.07	201	222	V	38.31	15.93	37.97	57.34	64	-6.66	AV
17235	43.28	0	100	H	42.25	19.97	37.98	67.52	84	-16.48	PK
17235	33.79	0	100	H	42.25	19.97	37.98	58.03	64	-5.97	AV
17235	45.62	0	100	V	42.17	19.97	37.98	69.78	84	-14.22	PK
17235	34.66	0	100	V	42.17	19.97	37.98	58.82	64	-5.18	AV
Mid Channel 5785 MHz Non HT20 mode power setting: 17											
1344	50.02	180	177	H	25.08	3.81	40.88	38.03	84	-45.97	PK
1344	42.15	180	177	H	25.08	3.81	40.88	30.16	64	-33.84	AV
1344	52.41	186	134	V	25.24	3.81	40.88	40.58	84	-43.42	PK
1344	46.99	186	134	V	25.24	3.81	40.88	35.16	64	-28.84	AV
11570	50.55	174	212	H	38.46	16.53	38.32	67.22	84	-16.78	PK
11570	40.32	174	212	H	38.46	16.53	38.32	56.99	64	-7.01	AV
11570	51.87	199	216	V	38.38	16.53	38.32	68.46	84	-15.54	PK
11570	41.89	199	216	V	38.38	16.53	38.32	58.48	64	-5.52	AV
17355	45.07	0	100	H	42.98	20.07	37.94	70.18	84	-13.82	PK
17355	35.07	0	100	H	42.98	20.07	37.94	60.18	64	-3.82	AV
17355	45.65	0	100	V	42.96	20.07	37.94	70.74	84	-13.26	PK
17355	35.34	0	100	V	42.96	20.07	37.94	60.43	64	-3.57	AV
High Channel 5825 MHz Non HT20 mode power setting: 17											
1344	50.02	180	177	H	25.08	3.81	40.88	38.03	84	-45.97	PK
1344	42.15	180	177	H	25.08	3.81	40.88	30.16	64	-33.84	AV
1344	52.41	186	134	V	25.24	3.81	40.88	40.58	84	-43.42	PK
1344	46.99	186	134	V	25.24	3.81	40.88	35.16	64	-28.84	AV
11650	51.12	179	204	H	38.60	16.64	38.32	68.04	84	-15.96	PK
11650	41.03	179	204	H	38.60	16.64	38.32	57.95	64	-6.05	AV
11650	53.18	310	200	V	38.55	16.64	38.32	70.05	84	-13.95	PK
11650	42.97	310	200	V	38.55	16.64	38.32	59.84	64	-4.16	AV
17475	45.71	0	100	H	43.87	19.64	38.05	71.17	84	-12.83	PK
17475	35.49	0	100	H	43.87	19.64	38.05	60.95	64	-3.05	AV
17475	45.53	0	100	V	43.82	19.64	38.05	70.94	84	-13.06	PK
17475	36.01	0	100	V	43.82	19.64	38.05	61.42	64	-2.58	AV

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
Low Channel 5745 MHz HT/VHT20 mode power setting: 17											
1344	50.02	180	177	H	24.98	3.81	40.88	37.93	84	-46.07	PK
1344	42.15	180	177	H	24.98	3.81	40.88	30.06	64	-33.94	AV
1344	52.41	186	134	V	24.85	3.81	40.88	40.19	84	-43.81	PK
1344	46.99	186	134	V	24.85	3.81	40.88	34.77	64	-29.23	AV
11490	47.88	180	206	H	38.45	16.23	37.97	64.59	84	-19.41	PK
11490	37.61	180	206	H	38.45	16.23	37.97	54.32	64	-9.68	AV
11490	50.33	198	209	V	38.31	15.93	37.97	66.60	84	-17.40	PK
11490	39.40	198	209	V	38.31	15.93	37.97	55.67	64	-8.33	AV
17235	45.46	0	100	H	42.25	19.97	37.98	69.70	84	-14.30	PK
17235	36.16	0	100	H	42.25	19.97	37.98	60.40	64	-3.60	AV
17235	46.40	0	100	V	42.17	19.97	37.98	70.56	84	-13.44	PK
17235	36.33	0	100	V	42.17	19.97	37.98	60.49	64	-3.51	AV
Mid Channel 5785 MHz HT/VHT20 mode power setting: 17											
1344	50.02	180	177	H	25.08	3.81	40.88	38.03	84	-45.97	PK
1344	42.15	180	177	H	25.08	3.81	40.88	30.16	64	-33.84	AV
1344	52.41	186	134	V	25.24	3.81	40.88	40.58	84	-43.42	PK
1344	46.99	186	134	V	25.24	3.81	40.88	35.16	64	-28.84	AV
11570	50.75	175	214	H	38.46	16.53	38.32	67.42	84	-16.58	PK
11570	39.34	175	214	H	38.46	16.53	38.32	56.01	64	-7.99	AV
11570	51.50	199	212	V	38.38	16.53	38.32	68.09	84	-15.91	PK
11570	40.42	199	212	V	38.38	16.53	38.32	57.01	64	-6.99	AV
17355	44.56	0	100	H	42.98	20.07	37.94	69.67	84	-14.33	PK
17355	35.44	0	100	H	42.98	20.07	37.94	60.55	64	-3.45	AV
17355	45.18	0	100	V	42.96	20.07	37.94	70.27	84	-13.73	PK
17355	35.48	0	100	V	42.96	20.07	37.94	60.57	64	-3.43	AV
High Channel 5825 MHz HT/VHT20 mode power setting: 17											
1344	50.02	180	177	H	25.08	3.81	40.88	38.03	84	-45.97	PK
1344	42.15	180	177	H	25.08	3.81	40.88	30.16	64	-33.84	AV
1344	52.41	186	134	V	25.24	3.81	40.88	40.58	84	-43.42	PK
1344	46.99	186	134	V	25.24	3.81	40.88	35.16	64	-28.84	AV
11650	51.11	303	172	H	38.60	16.64	38.32	68.03	84	-15.97	PK
11650	39.39	303	172	H	38.60	16.64	38.32	56.31	64	-7.69	AV
11650	53.36	160	181	V	38.55	16.64	38.32	70.23	84	-13.77	PK
11650	41.76	160	181	V	38.55	16.64	38.32	58.63	64	-5.37	AV
17475	45.66	0	100	H	43.87	19.64	38.05	71.12	84	-12.88	PK
17475	34.89	0	100	H	43.87	19.64	38.05	60.35	64	-3.65	AV
17475	44.84	0	100	V	43.82	19.64	38.05	70.25	84	-13.75	PK
17475	35.74	0	100	V	43.82	19.64	38.05	61.15	64	-2.85	AV

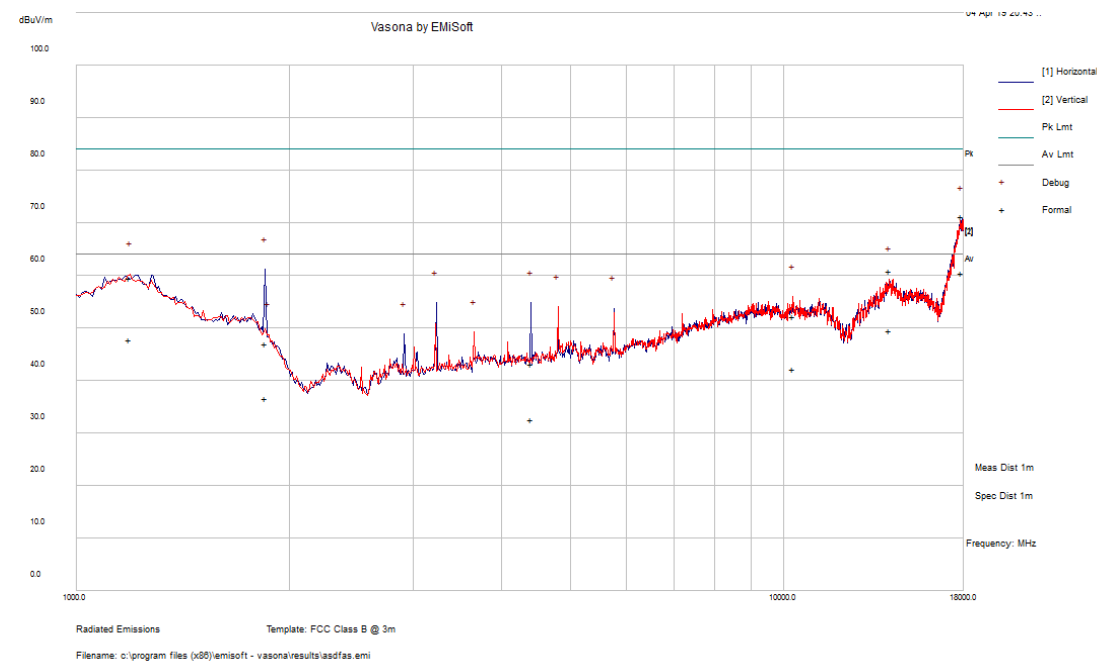
Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
Low Channel 5755 MHz Non HT40 mode power setting: 17											
1344	50.02	180	177	H	25.08	3.81	40.88	38.03	84	-45.97	PK
1344	42.15	180	177	H	25.08	3.81	40.88	30.16	64	-33.84	AV
1344	52.41	186	134	V	25.24	3.81	40.88	40.58	84	-43.42	PK
1344	46.99	186	134	V	25.24	3.81	40.88	35.16	64	-28.84	AV
11510	48.43	178	203	H	38.45	16.53	37.97	65.44	84	-18.56	PK
11510	39.07	178	203	H	38.45	16.53	37.97	56.08	64	-7.92	AV
11510	50.71	69	192	V	38.38	16.53	37.97	67.65	84	-16.35	PK
11510	40.45	69	192	V	38.38	16.53	37.97	57.39	64	-6.61	AV
17265	44.65	0	100	H	42.25	19.97	38.02	68.85	84	-15.15	PK
17265	34.67	0	100	H	42.25	19.97	38.02	58.87	64	-5.13	AV
17265	45.20	0	100	V	42.17	19.97	38.02	69.32	84	-14.68	PK
17265	34.69	0	100	V	42.17	19.97	38.02	58.81	64	-5.19	AV
High Channel 5795 MHz Non HT40 mode power setting: 17											
1344	50.02	180	177	H	25.08	3.81	40.88	38.03	84	-45.97	PK
1344	42.15	180	177	H	25.08	3.81	40.88	30.16	64	-33.84	AV
1344	52.41	186	134	V	25.24	3.81	40.88	40.58	84	-43.42	PK
1344	46.99	186	134	V	25.24	3.81	40.88	35.16	64	-28.84	AV
11590	50.00	174	208	H	38.53	16.53	38.32	66.74	84	-17.26	PK
11590	40.42	174	208	H	38.53	16.53	38.32	57.16	64	-6.84	AV
11590	51.27	200	217	V	38.46	16.53	38.32	67.94	84	-16.06	PK
11590	41.27	200	217	V	38.46	16.53	38.32	57.94	64	-6.06	AV
17385	45.14	0	100	H	43.42	19.65	37.94	70.27	84	-13.73	PK
17385	35.80	0	100	H	43.42	19.65	37.94	60.93	64	-3.07	AV
17385	45.09	0	100	V	43.36	19.65	37.94	70.16	84	-13.84	PK
17385	35.66	0	100	V	43.36	19.65	37.94	60.73	64	-3.27	AV

Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
Low Channel 5755 MHz HT/VHT40 mode power setting: 17											
1344	50.02	180	177	H	25.08	3.81	40.88	38.03	84	-45.97	PK
1344	42.15	180	177	H	25.08	3.81	40.88	30.16	64	-33.84	AV
1344	52.41	186	134	V	25.24	3.81	40.88	40.58	84	-43.42	PK
1344	46.99	186	134	V	25.24	3.81	40.88	35.16	64	-28.84	AV
11510	48.26	260	181	H	38.45	16.53	37.97	65.27	84	-18.73	PK
11510	39.29	260	181	H	38.45	16.53	37.97	56.30	64	-7.70	AV
11510	49.13	230	186	V	38.38	16.53	37.97	66.07	84	-17.93	PK
11510	39.36	230	186	V	38.38	16.53	37.97	56.30	64	-7.70	AV
17265	44.70	0	100	H	42.25	19.97	38.02	68.90	84	-15.10	PK
17265	35.66	0	100	H	42.25	19.97	38.02	59.86	64	-4.14	AV
17265	44.75	0	100	V	42.17	19.97	38.02	68.87	84	-15.13	PK
17265	35.60	0	100	V	42.17	19.97	38.02	59.72	64	-4.28	AV
High Channel 5795 MHz HT/VHT40 mode power setting: 17											
1344	50.02	180	177	H	25.08	3.81	40.88	38.03	84	-45.97	PK
1344	42.15	180	177	H	25.08	3.81	40.88	30.16	64	-33.84	AV
1344	52.41	186	134	V	25.24	3.81	40.88	40.58	84	-43.42	PK
1344	46.99	186	134	V	25.24	3.81	40.88	35.16	64	-28.84	AV
11590	48.63	265	182	H	38.53	16.53	38.32	65.37	84	-18.63	PK
11590	38.58	265	182	H	38.53	16.53	38.32	55.32	64	-8.68	AV
11590	50.46	258	191	V	38.46	16.53	38.32	67.13	84	-16.87	PK
11590	40.19	258	191	V	38.46	16.53	38.32	56.86	64	-7.14	AV
17385	45.27	0	100	H	43.42	19.65	37.94	70.40	84	-13.60	PK
17385	36.07	0	100	H	43.42	19.65	37.94	61.20	64	-2.80	AV
17385	44.88	0	100	V	43.36	19.65	37.94	69.95	84	-14.05	PK
17385	35.80	0	100	V	43.36	19.65	37.94	60.87	64	-3.13	AV

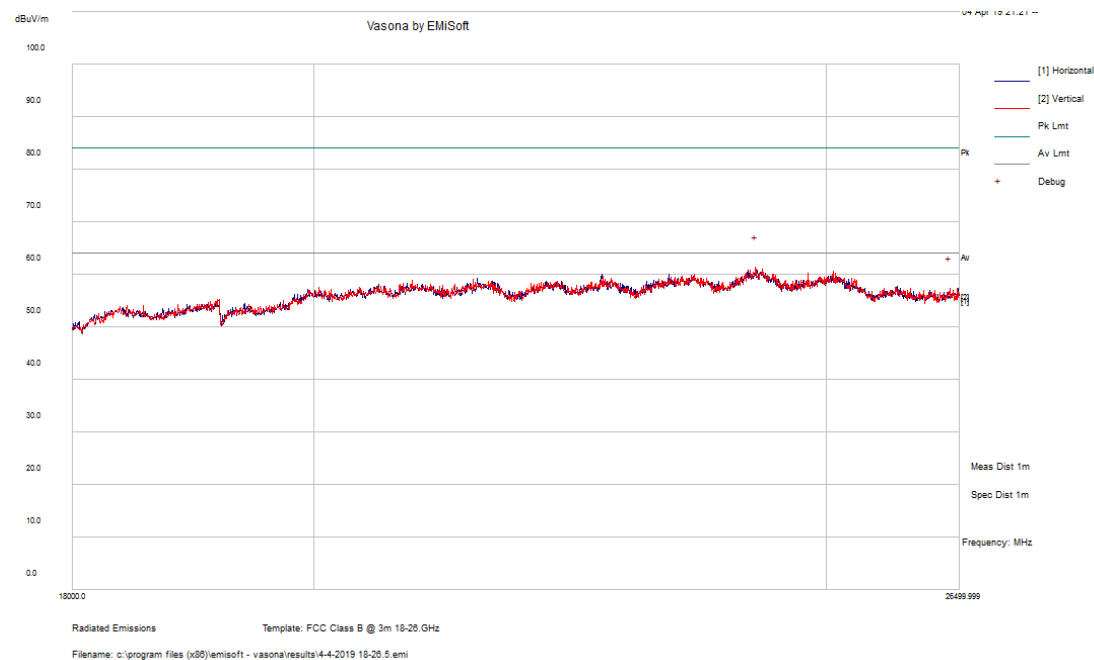
Frequency (MHz)	S.A. Reading (dBμV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre- Amp. (dB)	Cord. Reading (dBμV/m)	FCC/ISED		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBμV/m)	Margin (dB)	
High Channel 5775 MHz Non HT 80 mode power setting: 17											
1344	50.02	180	177	H	25.08	3.81	40.88	38.03	84	-45.97	PK
1344	42.15	180	177	H	25.08	3.81	40.88	30.16	64	-33.84	AV
1344	52.41	186	134	V	25.24	3.81	40.88	40.58	84	-43.42	PK
1344	46.99	186	134	V	25.24	3.81	40.88	35.16	64	-28.84	AV
11550	46.58	0	100	H	38.46	16.53	37.97	63.60	84	-20.40	PK
11550	34.74	0	100	H	38.46	16.53	37.97	51.76	64	-12.24	AV
11550	47.63	0	100	V	38.38	16.53	37.97	64.57	84	-19.43	PK
11550	34.60	0	100	V	38.38	16.53	37.97	51.54	64	-12.46	AV
17325	45.53	0	100	H	42.80	20.07	38.02	70.38	84	-13.62	PK
17325	31.30	0	100	H	42.80	20.07	38.02	56.15	64	-7.85	AV
17325	45.70	0	100	V	42.28	20.07	38.02	70.03	84	-13.97	PK
17325	31.22	0	100	V	42.28	20.07	38.02	55.55	64	-8.45	AV
High Channel 5775 MHz VHT80 mode power setting: 17											
1344	50.02	180	177	H	25.08	3.81	40.88	38.03	84	-45.97	PK
1344	42.15	180	177	H	25.08	3.81	40.88	30.16	64	-33.84	AV
1344	52.41	186	134	V	25.24	3.81	40.88	40.58	84	-43.42	PK
1344	46.99	186	134	V	25.24	3.81	40.88	35.16	64	-28.84	AV
11550	46.54	0	100	H	38.46	16.53	37.97	63.56	84	-20.44	PK
11550	34.73	0	100	H	38.46	16.53	37.97	51.75	64	-12.25	AV
11550	46.93	0	173	V	38.38	16.53	37.97	63.87	84	-20.13	PK
11550	35.96	0	173	V	38.38	16.53	37.97	52.90	64	-11.10	AV
17325	45.74	0	100	H	42.80	20.07	38.02	70.59	84	-13.41	PK
17325	34.01	0	100	H	42.80	20.07	38.02	58.86	64	-5.14	AV
17325	45.82	0	100	V	42.28	20.07	38.02	70.15	84	-13.85	PK
17325	34.05	0	100	V	42.28	20.07	38.02	58.38	64	-5.62	AV

3) 1 GHz - 18 GHz for radio co-location*, measured at 1 meter

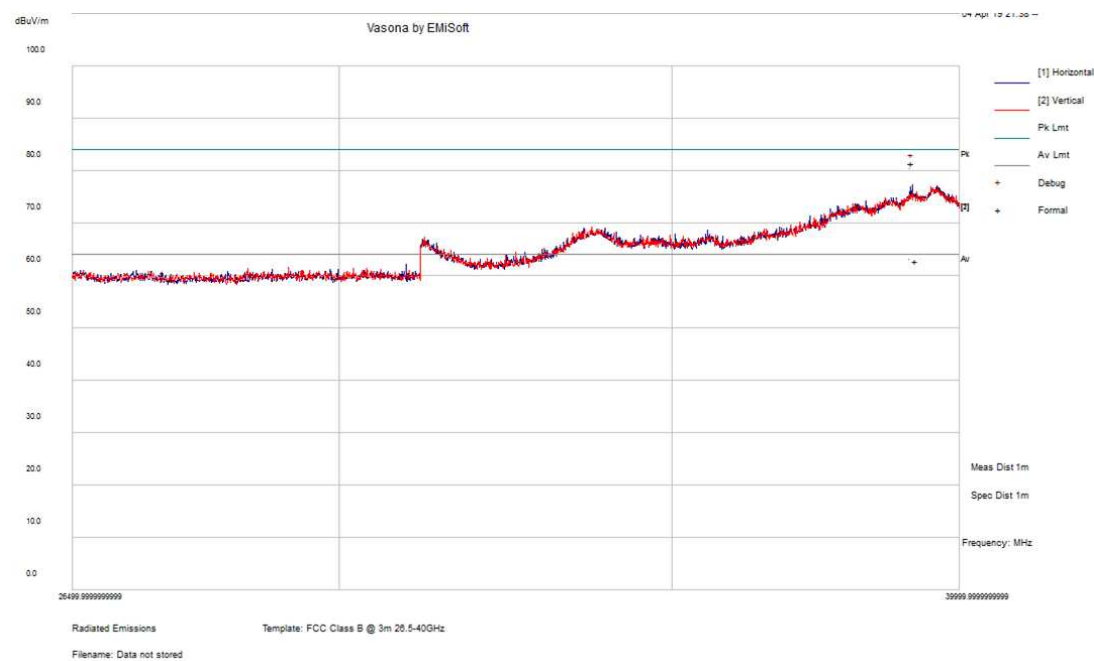
2.4 GHz and 5 GHz notch filters were added.



4) 18 GHz - 26.5 GHz for radio co-location*, measured at 1 meter



5) 26.5 GHz - 40 GHz for radio co-location*, measured at 1 meter



EUT configuration for radio co-location, BLE 2480MHz, 2.4 GHz Wi-Fi HT/VHT20 mode 2412MHz and 5 GHz Wi-Fi HT/VHT80 mode 5290 MHz

5 Appendix A- EUT Test Setup Photographs

Please refer to the attachment

6 Appendix B- EUT External Photographs

Please refer to the attachment

7 Appendix C- EUT Internal Photographs

Please refer to the attachment

8 Appendix D (Normative) - A2LA Electrical Testing Certificate



Please follow the web link below for a full ISO 17025 scope

<https://www.a2la.org/scopepdf/3297-02.pdf>

--- END OF REPORT ---