FCC PART 15.407

ISEDC RSS-247, ISSUE 2, FEBRUARY 2017

LP0002-2018

TEST REPORT

For

Cisco Systems Inc.

125 West Tasman Drive,
San Jose, CA 95134 USA

FCC ID: LDKVCVER1937
IC: 2461N-VCVER1937

Report Type: Original Report		**Product Type:** Cisco Catalyst 9120AX Series
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Report Number	R1902193-407	
Report Date	2019-05-13	
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ACCREDITED
CERTIFICATE #3297.02

* This test report may contain data and test methods that are not covered by BACL's scope of accreditation as of the test report date shown above. These items are marked within the test report text with an asterisk "*"

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	R1902193-407	Original Report	2019-05-13

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: *C9120AXI-B (US), C9120AXI-A (Canada) and C9120AXI-T (Taiwan)* as referred to as EUT in this report. The product is a dual 4x4 Access Point operates in 2.4 GHz and 5 GHz bands Access Point.

1.2 Mechanical Description of EUT

Length (mm)	Width (mm)	Height (mm)	Weight (g)
170	170	40	1000

1.3 Objective

This report is prepared on behalf of *Cisco Systems Inc.* in accordance with FCC CFR47 §15.407, ISEDC RSS-247 Issue 2 on February 2017 and NCC LP0002-2018.

.

The objective is to determine compliance with FCC Part 15.407, ISEDC RSS-247 rules and NCC LP0002-2018 for Radiated Spurious Emissions.

1.4 Related Submittal(s)/Grant(s)

R1902193-247

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 º 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 - ISEDC) Foreign Certification Body – FCB – APEC Tel MRA -Phase I & Phase II;
- Chinese Taipei (Republic of China – Taiwan):
  - BSMI (Bureau of Standards, Metrology and Inspection) APEC Tel MRA -Phase I;
  - NCC (National Communications Commission) APEC Tel MRA -Phase I;
- European Union:
  - EMC Directive 2014/30/EU US-EU EMC & Telecom MRA CAB (NB)
  - Radio Equipment (RE) Directive 2014/53/EU US-EU EMC & Telecom MRA CAB (NB)
  - 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:
  - ENERGY STAR Recognized Test Laboratory – US EPA
  - Telecommunications Certification Body (TCB) – US FCC;
  - 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 firmware used was Tera Term and test commands, 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/ax	5180	17
	5190	17
	5210	17
	5220	17
	5230	17
	5240	17
	5250	17
	5260	17
	5270	17
	5290	17
	5300	17
	5310	17
	5320	17
	5500	17
	5510	17
	5530	17
	5570	17
	5580	17
	5590	17
	5610	17
	5670	17
	5690	17
	5700	17
	5720	17
	5745	17
	5755	17
	5775	17
	5785	17
	5795	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: m0x1
802.11ac VHT160 mode: m0x1
802.11ax: m0h1
Note: Channel 5720, 5710, 5610, 5690 and 5570MHz are only for FCC.

2.3 Duty Cycle Correction Factor

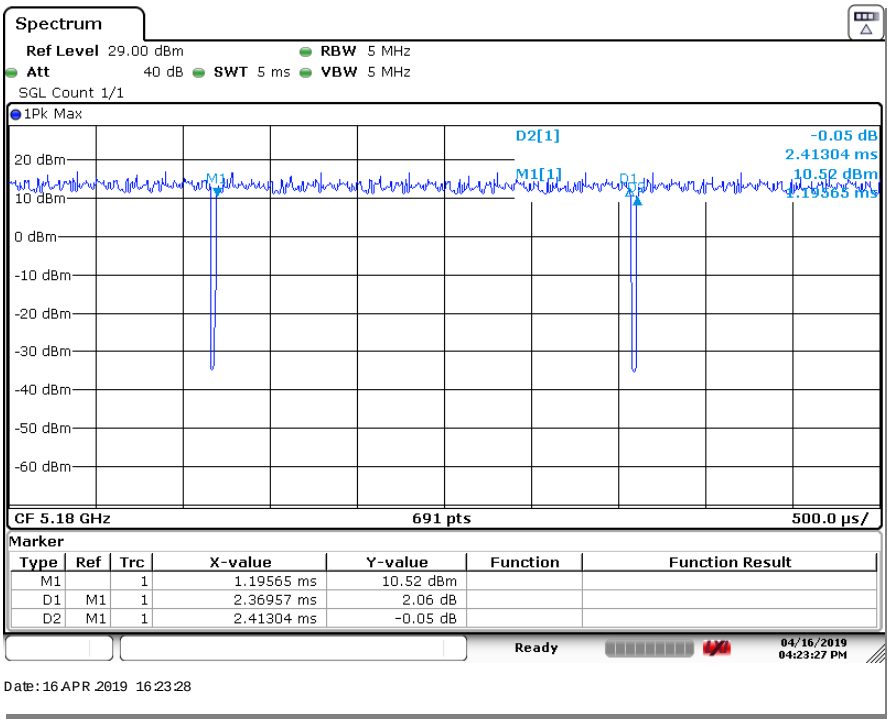
According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01 section B:

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.

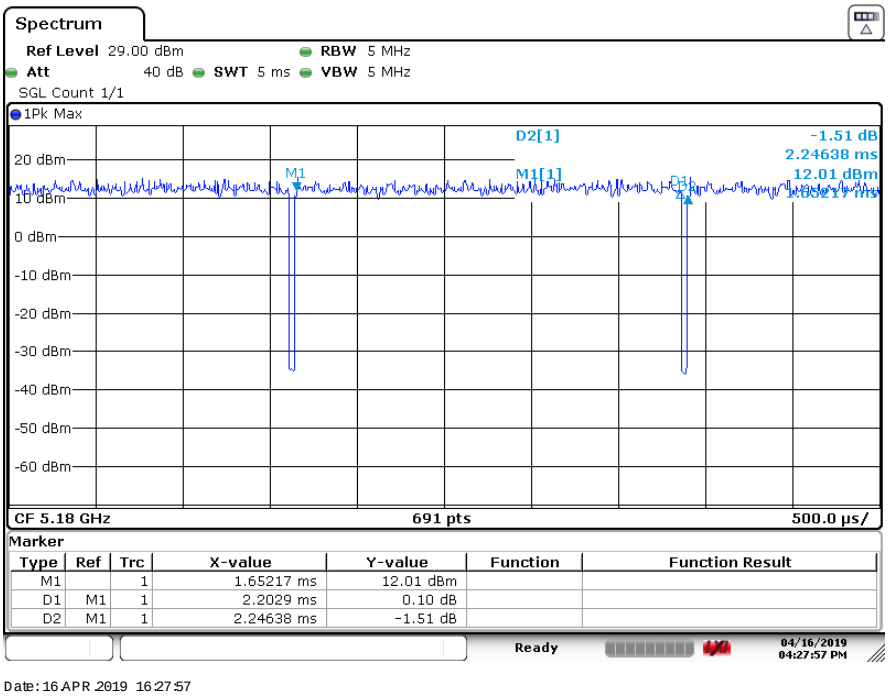
Radio Mode	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11a	2.36957	2.41304	98%	0.0789497827
802.11n/ac	2.2029	2.24638	98%	0.08488440923
802.11ax	-	-	100%	0
802.11a, XOR	2.3683	2.41500	98%	0.08474368702
802.11n/ac, XOR	2.217	2.258	98%	0.0795824474
802.11ax, XOR	-	-	100%	0
802.11a, AUX	-	-	100%	0

Note: Duty Cycle Correction Factor = 10*log(1/duty cycle)
Please refer to the following plots.

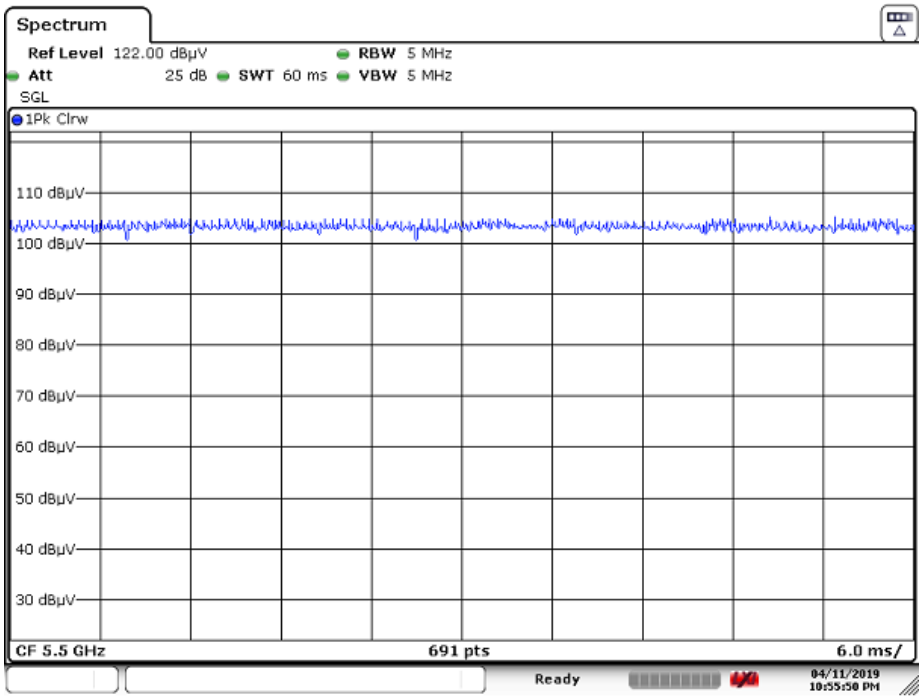
802.11a Mode



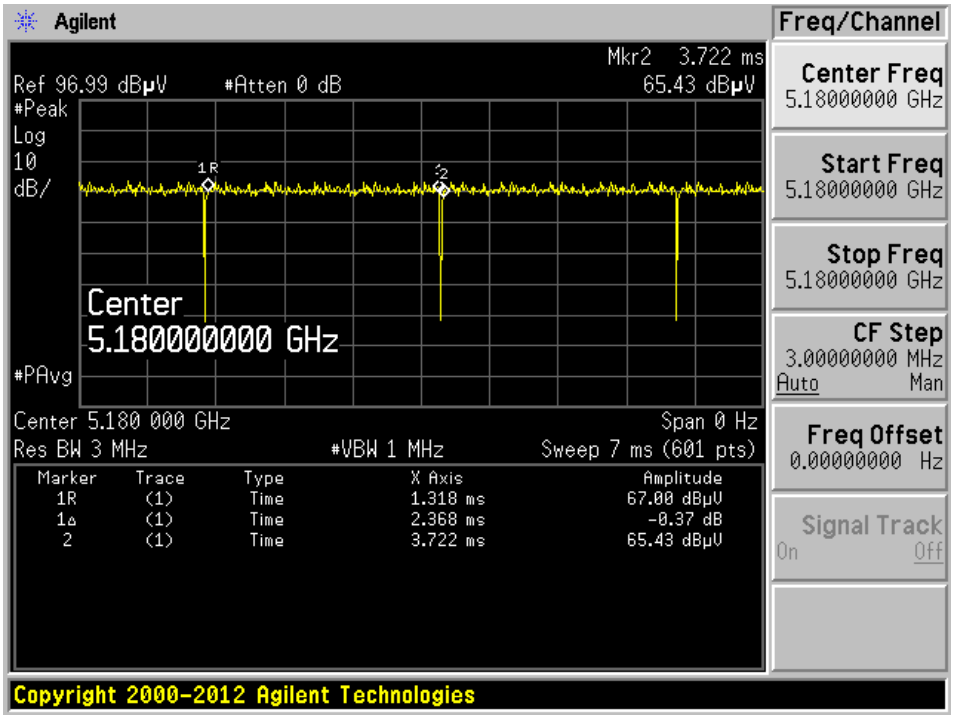
802.11n/ac mode:



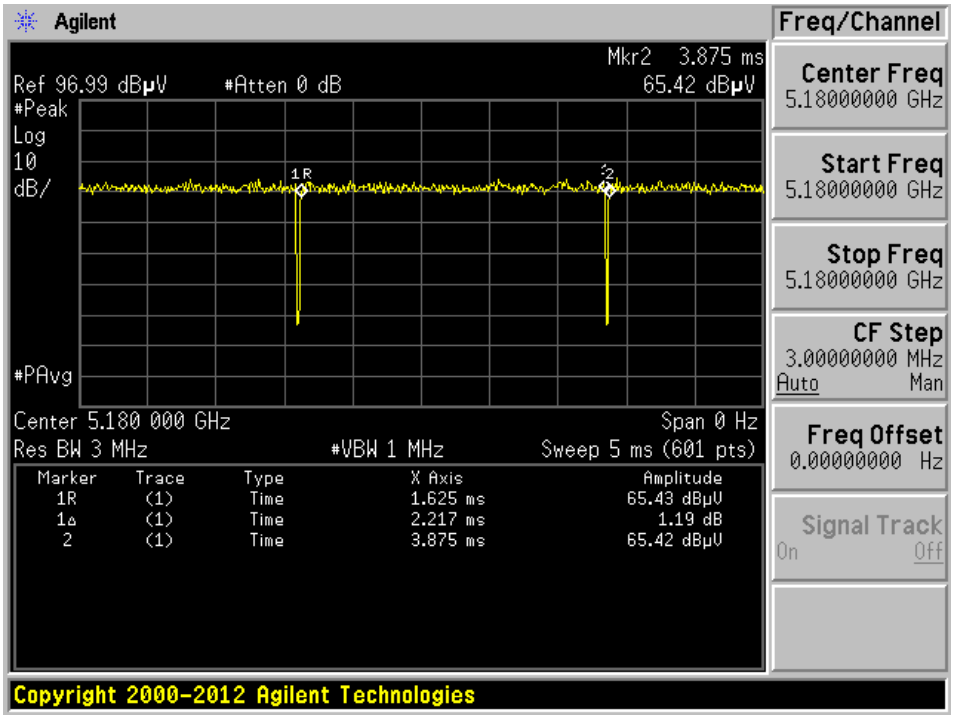
802.11ax mode:



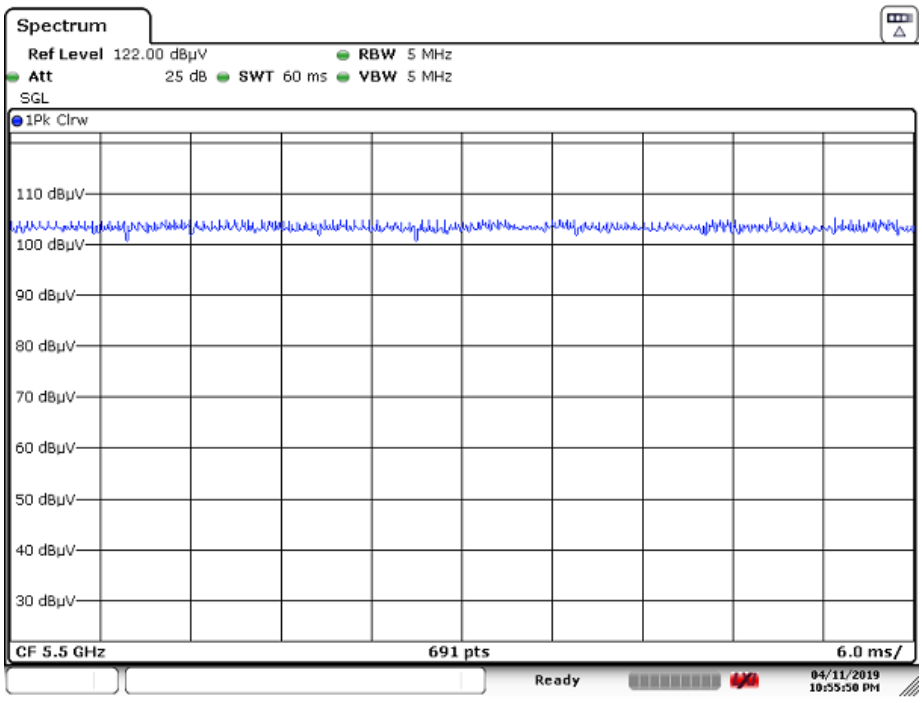
802.11a mode, XOR mode:



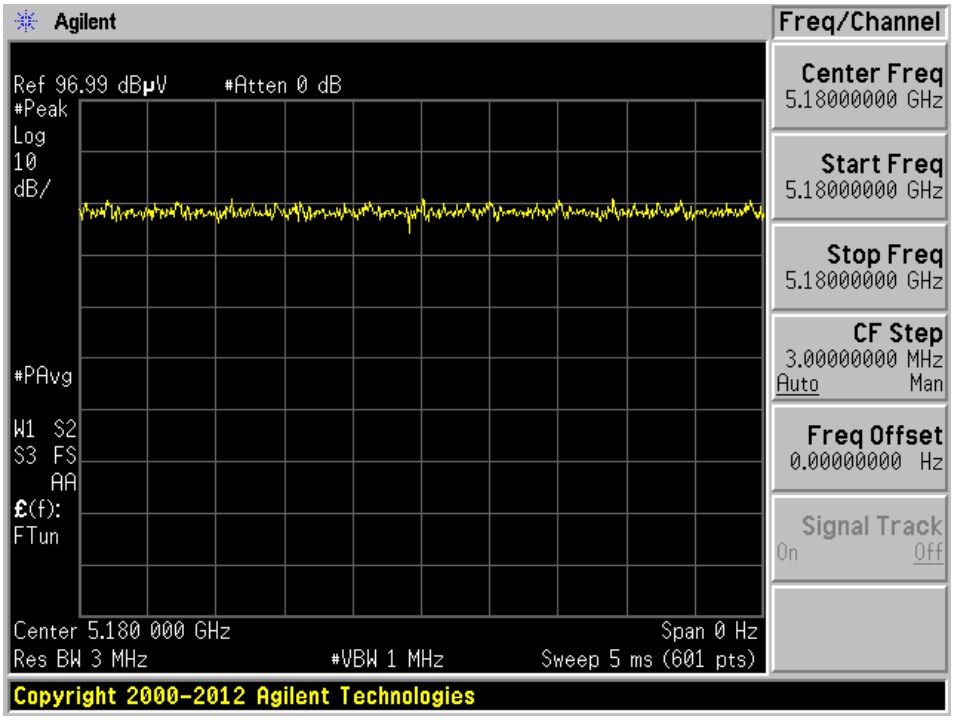
802.11n/ac mode, XOR mode:



802.11ax mode, XOR mode:



802.11a mode, AUX 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, ISED, & NCC Rules	Description of Test	Result
FCC §2.1091, §15.407(f) & ISEDC RSS-102 & LP0002	RF Exposure	Compliant
FCC §15.207 ISEDC RSS-Gen §8.8 LP0002-2018 §2.3	AC Power Line Conducted Emissions	Compliant
FCC §2.1053, §15.205, §15.209, 15.407(b) ISEDC RSS-247 §6.2 LP0002-2018 §2.8, §2.11, §4.7.4	Spurious Radiated Emissions	Compliant

4 FCC §2.1091, §15.407(f) & ISEDC RSS-102 & LP0002– RF Exposure

4.1 Applicable Standards

According to FCC §15.407(f), §1.1307(b)(1) and LP0002 5.20.2.2, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for General Population/Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm^2)	Averaging Time (minutes)
Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	* (100)	30
1.34-30	824/f	2.19/f	* ($180/f^2$)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

f = frequency in MHz
* = Plane-wave equivalent power density

According to ISED RSS-102 Issue 5:

2.5.2 Exemption Limits for Routine Evaluation – RF Exposure Evaluation

RF exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm, except when the device operates as follows:

- below 20 MHz[6] and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 1 W (adjusted for tune-up tolerance);
- at or above 20 MHz and below 48 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $4.49/f^{0.5}$ W (adjusted for tune-up tolerance), where f is in MHz;
- at or above 48 MHz and below 300 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 0.6 W (adjusted for tune-up tolerance);
- at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $1.31 \times 10^{-2} f^{0.6834}$ W (adjusted for tune-up tolerance), where f is in MHz;
- at or above 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 5 W (adjusted for tune-up tolerance).

In these cases, the information contained in the RF exposure technical brief may be limited to information that demonstrates how the e.i.r.p. was derived.

4.2 MPE Prediction

Predication of MPE limit at a given distance, Equation from OET Bulletin 65, Edition 97-01

$$S = PG/4\pi R^2$$

Where: S = power density
P = power input to antenna
G = power gain of the antenna in the direction of interest relative to an isotropic radiator
R = distance to the center of radiation of the antenna

4.3 MPE Results for FCC

2.4 GHz Wi-Fi Aux

Maximum output power at antenna input terminal (dBm):	19.56
Maximum output power at antenna input terminal (mW):	90.36
Prediction distance (cm):	30
Prediction frequency (MHz):	2462
Maximum Antenna Gain, typical (dBi):	3
Maximum Antenna Gain (numeric):	2
Power density of prediction frequency at 30.0 cm (mW/cm^2):	0.0160
FCC MPE limit for uncontrolled exposure at prediction frequency (mW/cm^2):	1.0

The device is compliant with the requirement MPE limit for uncontrolled exposure. The maximum power density at the distance of 30 cm is 0.016 mW/cm^2. Limit is 1.0 mW/cm^2.

2.4 GHz Wi-Fi Regular

Maximum output power at antenna input terminal (dBm):	22.9
Maximum output power at antenna input terminal (mW):	194.98
Prediction distance (cm):	30
Prediction frequency (MHz):	2437
Maximum Antenna Gain, typical (dBi):	10
Maximum Antenna Gain (numeric):	10
Power density of prediction frequency at 30.0 cm (mW/cm^2):	0.1725
FCC MPE limit for uncontrolled exposure at prediction frequency (mW/cm^2):	1.0

The device is compliant with the requirement MPE limit for uncontrolled exposure. The maximum power density at the distance of 30 cm is 0.1725 mW/cm^2. Limit is 1.0 mW/cm^2.

2.4 GHz BLE

Maximum peak output power at antenna input terminal (dBm):	3.67
Maximum peak output power at antenna input terminal (mW):	2.33
Prediction distance (cm):	30
Prediction frequency (MHz):	2426
Maximum Antenna Gain, typical (dBi):	3
Maximum Antenna Gain (numeric):	3.98
Power density of prediction frequency at 30.0 cm (mW/cm^2):	0.0004
FCC MPE limit for uncontrolled exposure at prediction frequency (mW/cm^2):	1.0

The device is compliant with the requirement MPE limit for uncontrolled exposure. The maximum power density at the distance of 30 cm is 0.0004 mW/cm^2. Limit is 1.0 mW/cm^2.

5 GHz Wi-Fi Aux

Maximum peak output power at antenna input terminal (dBm):	21.4
Maximum peak output power at antenna input terminal (mW):	138.04
Prediction distance (cm):	30
Prediction frequency (MHz):	5825
Maximum Antenna Gain, typical (dBi):	5
Maximum Antenna Gain (numeric):	3.16
Power density of prediction frequency at 30.0 cm (mW/cm^2):	0.0386
FCC MPE limit for uncontrolled exposure at prediction frequency (mW/cm^2):	1.0

The device is compliant with the requirement MPE limit for uncontrolled exposure. The maximum power density at the distance of 30 cm is 0.0386 mW/cm^2. Limit is 1.0 mW/cm^2.

5 GHz Wi-Fi XOR

Maximum peak output power at antenna input terminal (dBm):	23.6
Maximum peak output power at antenna input terminal (mW):	229.09
Prediction distance (cm):	30
Prediction frequency (MHz):	5745
Maximum Antenna Gain, typical (dBi):	11
Maximum Antenna Gain (numeric):	12.59
Power density of prediction frequency at 30.0 cm (mW/cm^2):	0.2551
FCC MPE limit for uncontrolled exposure at prediction frequency (mW/cm^2):	1.0

The device is compliant with the requirement MPE limit for uncontrolled exposure. The maximum power density at the distance of 30 cm is 0.2551 mW/cm^2. Limit is 1.0 mW/cm^2.

5 GHz Wi-Fi Regular

Maximum peak output power at antenna input terminal (dBm):	23.7
Maximum peak output power at antenna input terminal (mW):	234.42
Prediction distance (cm):	30
Prediction frequency (MHz):	5230
Maximum Antenna Gain, typical (dBi):	11
Maximum Antenna Gain (numeric):	12.59
Power density of prediction frequency at 30.0 cm (mW/cm^2):	0.2611
FCC MPE limit for uncontrolled exposure at prediction frequency (mW/cm^2):	1.0

The device is compliant with the requirement MPE limit for uncontrolled exposure. The maximum power density at the distance of 30 cm is 0.2611 mW/cm^2. Limit is 1.0 mW/cm^2.

Worst case colocation 5 GHz Wi-Fi Regular, 5 GHz Wi-Fi Aux, 5 GHz Wi-Fi XOR and BLE.

Frequency Band	Max Conducted Power(dBm)	Evaluated Distance (cm)	Worst-Case MPE (mW/cm^2)	MPE Limit (mW/cm^2)	Worst-Case MPE Ratios	Sum of MPE Ratios	Limit
Worst Case							
5 GHz Wi-Fi Regualr	23.7	30	0.2611	1.0	26.11 %	55.52 %	100%
5 GHz Wi-Fi Aux	21.4	30	0.0386	1.0	3.86 %		
5 GHz Wi-Fi XOR	23.6	30	0.2551	1.0	25.51%		
2.4 GHz BLE	3.67	30	0.0004	1.0	0.04%		

Note: EUT can operate in the following colocation case, the worst colocation case has been selected to analyse.

Case1: 5 GHz Wi-Fi Regular, 5 GHz Wi-Fi Aux, 5 GHz Wi-Fi XOR and BLE.
Case2: 5 GHz Wi-Fi Regular, 2.4 GHz Wi-Fi Aux, 5 GHz Wi-Fi XOR and BLE.
Case3: 5 GHz Wi-Fi Regular, 2.4 GHz Wi-Fi Aux, 2.4 GHz Wi-Fi and BLE.
Case4: 5 GHz Wi-Fi Regular, 5 GHz Wi-Fi Aux, 2.4 GHz Wi-Fi and BLE.

4.4 RF exposure evaluation exemption for ISEDC

5 GHz Wi-Fi Aux

21.4 + 5 dBi = 21.9 dBm < $1.31\times10^{-2}f^{0.6834}$ = 4.903 W = 36.904 dBm

5 GHz Wi-Fi XOR

23.6 + 11 dBi = 34.6 dBm < $1.31\times10^{-2}f^{0.6834}$ = 4.880 W = 36.884 dBm

5 GHz Wi-Fi Regular

23 + 11 dBi = 34 dBm < $1.31\times10^{-2}f^{0.6834}$ = 4.880 W = 36.884 dBm

Therefore the RF exposure is not required.

5 FCC §15.207 & ISEDC RSS-Gen §8.8 and LP0002-2018 § 2.3 - AC Power Line Conducted Emissions

5.1 Applicable Standards

As per FCC §15.207, ISEDC RSS GEN §8.8 and LP0002-2018 § 2.3

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequencies ranges.

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-Peak	Average
0.15-0.5	66 to 56 Note1	56 to 46 Note2
0.5-5	56	46
5-30	60	50

Note1: Decreases with the logarithm of the frequency.
Note2: A linear average detector is required

5.2 Test Setup

The measurement was performed at shield room, using the setup per ANSI C63.10-2013 measurement procedure. The specification used was FCC §15.207 limits and and ISEDC RSS GEN §8.8.

External I/O cables were draped along the edge of the test table and bundle when necessary.
The AC/DC power adapter of the EUT was connected with LISN-1 which provided 120 V / 60 Hz AC power.

5.3 Test Procedure

During the conducted emissions test, the power cord of the EUT host system was connected to the mains outlet of the LISN-1 and the power cords of support equipment were connected to LISN-2.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the peak, quasi-peak, and average detection mode. Quasi-Peak readings are distinguished with a “QP.” Average readings are distinguished with an “Ave”.

5.4 Corrected Amplitude and Margin Calculation

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

CA = Ai + CL + Atten

For example, a corrected amplitude of 46.2 dBuV = Indicated Reading (32.5 dBuV) + Cable Loss (3.7 dB) + Attenuator (10 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. The equation for margin calculation is as follows:

Margin = Corrected Amplitude - Limit

5.5 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
Rohde and Schwarz	Impulse Limiter	ESH3-Z2	101964	2018-07-27	1 year
Keysight Technologies	RF Limiter	11867A	MY42242931	2018-09-04	1 year
Solar Electronics Company	High Pass Filter	Type 7930-100	7930150204	2019-02-25	1 year
Suirong	30 ft conductive emission cable	LMR 400	-	N/R	N/A
FCC	LISN	FCC-LISN-50-25-2-10-CISPR16	160129	2019-04-04	1 year
Vasona	Test software	V6.0 build 11	10400213	N/R	N/R

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".*

5.6 Test Environmental Conditions

Temperature:	23º C
Relative Humidity:	42 %
ATM Pressure:	101.31 kPa

The testing was performed by Giovanni Velazquez Munoz on 2019-05-02 in 5 chamber 3.

5.7 Summary of Test Results

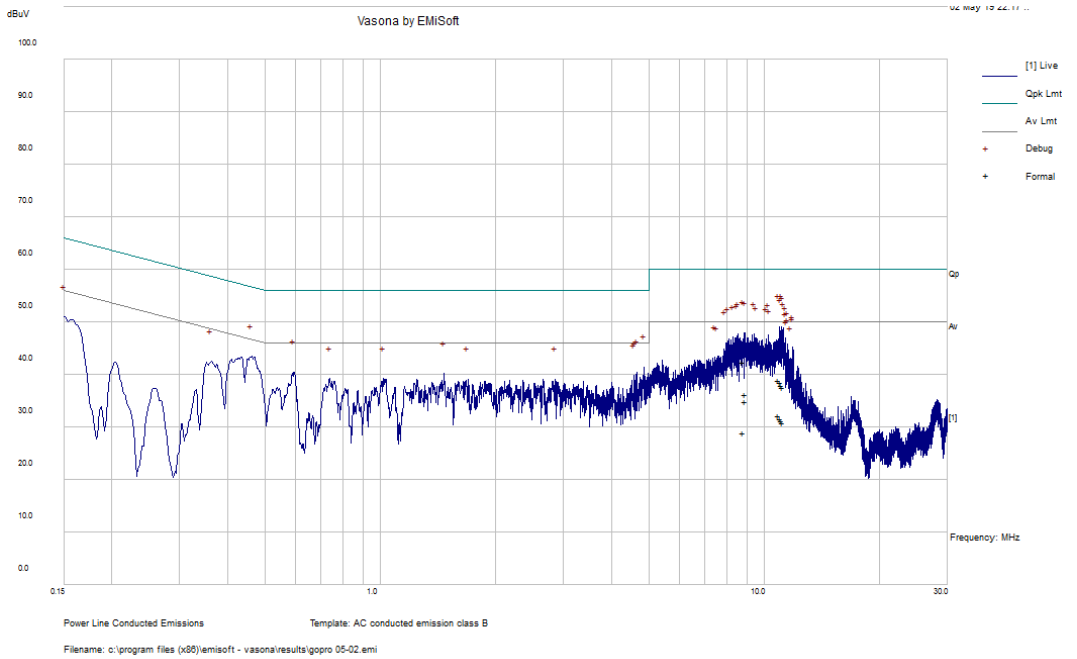
According to the recorded data in following table, the EUT complied with the FCC Part 15 and RSS-Gen standards' conducted emissions limits, with the margin reading of:

Connection: AC/DC adapter connected to 120 V/60 Hz, AC			
Margin (dB)	**Frequency (MHz)**	**Conductor Mode (Live/Neutral)**	**Range (MHz)**
-14.18	0.432854	Neutral	0.15-30

5.8 Conducted Emissions Test Plots and Data

Worst Case Colocation, BLE 2440 MHz, 5 GHz XOR Wi-Fi HT/VHT20 mode 5220MHz, 5 GHz AUX Wi-Fi Non HT20 mode 5180MHz and 5 GHz Wi-Fi VHT160 mode 5250 MHz

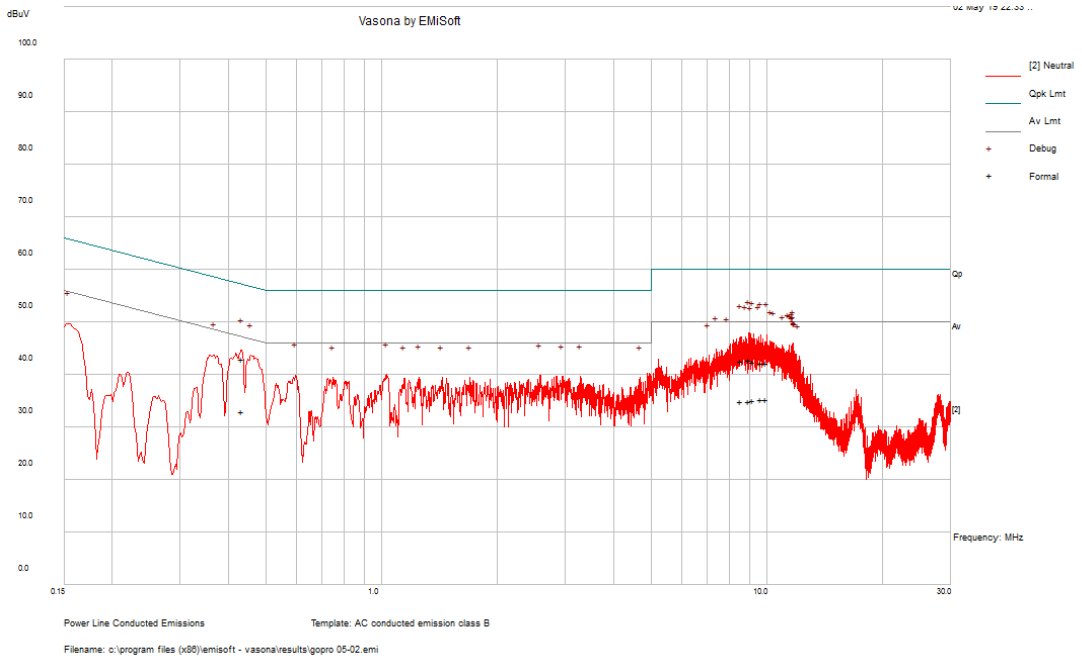
120 V, 60 Hz – Line



Frequency (MHz)	Corrected Amplitude (dBuV)	Conductor (Line/Neutral)	Limit (dBuV)	Margin (dB)	Detector (QP/Ave.)
11.092099	37.97	Line	60	-22.03	QP
10.907115	39	Line	60	-21	QP
11.191666	37.57	Line	60	-22.43	QP
11.019142	38.5	Line	60	-21.5	QP
8.831169	42.36	Line	60	-17.64	QP
8.909736	36.25	Line	60	-23.75	QP

Frequency (MHz)	Corrected Amplitude (dBuV)	Conductor (Line/Neutral)	Limit (dBuV)	Margin (dB)	Detector (QP/Ave.)
11.0921	31.35	Line	50	-18.65	Ave.
10.90712	32.18	Line	50	-17.82	Ave.
11.19167	30.91	Line	50	-19.09	Ave.
11.01914	31.73	Line	50	-18.27	Ave.
8.831169	29.02	Line	50	-20.98	Ave.
8.909736	34.9	Line	50	-15.1	Ave.

120 V, 60 Hz – Neutral



Frequency (MHz)	Corrected Amplitude (dBuV)	Conductor (Line/Neutral)	Limit (dBuV)	Margin (dB)	Detector (QP/Ave.)
8.985851	42.8	Neutral	60	-17.2	QP
9.224093	42.51	Neutral	60	-17.49	QP
9.669072	42.32	Neutral	60	-17.68	QP
9.978098	42.16	Neutral	60	-17.84	QP
0.432854	43.02	Neutral	57.2	-14.18	QP
8.565904	42.69	Neutral	60	-17.31	QP

Frequency (MHz)	Corrected Amplitude (dBuV)	Conductor (Line/Neutral)	Limit (dBuV)	Margin (dB)	Detector (QP/Ave.)
8.985851	35.03	Neutral	50	-14.97	Ave.
9.224093	35.15	Neutral	50	-14.85	Ave.
9.669072	35.36	Neutral	50	-14.64	Ave.
9.978098	35.27	Neutral	50	-14.73	Ave.
0.432854	33.02	Neutral	47.2	**-14.18**	Ave.
8.565904	34.99	Neutral	50	-15.01	Ave.

6 FCC §15.209, §15.407(b) & ISEDC RSS-247 §6.2 and LP0002-2018 §2.8, §2.11, §4.7.4- Spurious Radiated Emissions

6.1 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) and LP0002§4.7.4

(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 ISEDC 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.

6.2 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 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.

6.3 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

6.4 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:

Margin = Corrected Amplitude – Limit

6.5 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	2019-04-11	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
A.H. Systems	Pre-Amplifier	PAM 1840V	170	2018-09-10	1 year
Sunol Sciences	Antenna, Horn	DRH-118	A052704	2019-04-02	2 years
Vasona	Test software	V6.0 build 11	10400213	N/R	N/R

Note[1]: 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".*

6.6 Test Environmental Conditions

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

The testing was performed by Giovanni Velazquez Munoz from 2019-04-16 to 2019-04-25 in 5m chamber 3.

6.7 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:

5 GHz Regular mode:

Mode: Transmitting			
Margin (dB)	**Frequency (MHz)**	**Polarization (Horizontal/Vertical)**	**Mode, Channel**
-4.38	11140	Vertical	5570 MHz, HT/VHT 160 mode

5 GHz AUX mode:

Mode: Transmitting			
Margin (dB)	**Frequency (MHz)**	**Polarization (Horizontal/Vertical)**	**Mode, Channel**
-4.78	11160	Horizontal	5580 MHz, Non HT20 mode

5 GHz XOR mode:

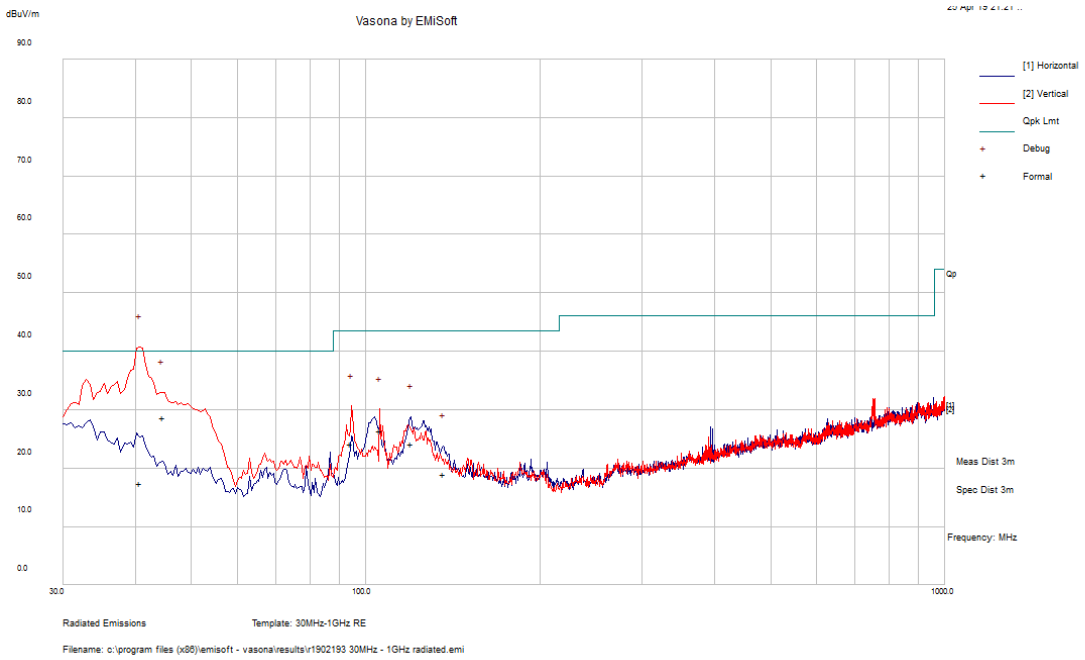
Mode: Transmitting			
Margin (dB)	**Frequency (MHz)**	**Polarization (Horizontal/Vertical)**	**Mode, Channel**
-4.51	11060	Vertical	5530 MHz Non HT 80 mode

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

6.8 Radiated Emissions Test Result

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

EUT configuration: worst Case Colocation, BLE 2440 MHz, 5 GHz XOR Wi-Fi HT/VHT20 mode 5220MHz, 5 GHz AUX Wi-Fi Non HT20 mode 5180MHz and 5 GHz Wi-Fi VHT160 mode 5250 MHz



Frequency (MHz)	Corrected Amplitude (dBµV/m)	Antenna Height (cm)	Antenna Polarity (H/V)	Turntable Azimuth (degrees)	Limit (dBµV/m)	Margin (dB)	Comment
40.70975	17.49	216	V	211	40	-22.51	Pass
44.63675	28.69	143	V	28	40	-11.31	Pass
94.3665	24.16	101	V	155	43.5	-19.34	Pass
105.6793	26.51	167	V	334	43.5	-16.99	Pass
119.9383	24.24	230	H	85	43.5	-19.26	Pass
136.4558	19.05	113	H	114	43.5	-24.45	Pass

2) Above 1 GHz, measured at 1 meters

Testing was done in 4TX MIMO configuration

5150 - 5250 MHz Regular Mode

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 5180 MHz Non HT20 mode power setting: 17											
10360	43.77	0	100	H	39.24	16.54	30.09	69.46	84	-14.54	PK
10360	29.74	0	100	H	39.24	16.54	30.09	55.43	64	-8.57	AV
10360	42.61	0	100	V	39.24	16.54	30.09	68.30	84	-15.70	PK
10360	30.72	0	100	V	39.24	16.54	30.09	56.41	64	-7.59	AV
15480	43.20	0	100	H	39.00	20.15	33.72	68.63	84	-15.37	PK
15480	32.08	0	100	H	39.00	20.15	33.72	57.51	64	-6.49	AV
15480	42.90	0	100	V	39.00	20.15	33.72	68.33	84	-15.67	PK
15480	31.87	0	100	V	39.00	20.15	33.72	57.30	64	-6.70	AV
Mid Channel 5220 MHz Non HT20 mode power setting: 17											
10440	41.96	0	100	H	39.28	16.87	30.61	67.49	84	-16.51	PK
10440	30.19	0	100	H	39.28	16.87	30.61	55.73	64	-8.27	AV
10440	41.10	0	100	V	39.28	16.87	30.61	66.63	84	-17.37	PK
10440	30.03	0	100	V	39.28	16.87	30.61	55.57	64	-8.44	AV
15660	42.30	0	100	H	38.50	20.15	33.81	67.14	84	-16.86	PK
15660	31.03	0	100	H	38.50	20.15	33.81	55.86	64	-8.14	AV
15660	42.44	0	100	V	38.50	20.15	33.81	67.28	84	-16.72	PK
15660	31.17	0	100	V	38.50	20.15	33.81	56.00	64	-8.00	AV
High Channel 5240 MHz Non HT20 mode power setting: 17											
10480	41.05	0	100	H	39.31	16.87	30.61	66.61	84	-17.39	PK
10480	29.90	0	100	H	39.31	16.87	30.61	55.46	64	-8.54	AV
10480	41.08	0	100	V	39.31	16.87	30.61	66.64	84	-17.36	PK
10480	29.70	0	100	V	39.31	16.87	30.61	55.26	64	-8.74	AV
15720	42.35	0	100	H	38.49	20.15	34.01	66.98	84	-17.02	PK
15720	30.86	0	100	H	38.49	20.15	34.01	55.49	64	-8.51	AV
15720	42.30	0	100	V	38.49	20.15	34.01	66.93	84	-17.07	PK
15720	30.59	0	100	V	38.49	20.15	34.01	55.22	64	-8.78	AV

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 5180 MHz HT/VHT20 mode power setting: 17											
10360	42.45	0	100	H	39.24	16.54	30.09	68.14	84	-15.86	PK
10360	30.41	0	100	H	39.24	16.54	30.09	56.10	64	-7.90	AV
10360	41.54	0	100	V	39.24	16.54	30.09	67.23	84	-16.77	PK
10360	29.95	0	100	V	39.24	16.54	30.09	55.64	64	-8.36	AV
15480	42.09	0	100	H	39.00	20.15	33.72	67.52	84	-16.48	PK
15480	31.42	0	100	H	39.00	20.15	33.72	56.85	64	-7.15	AV
15480	42.46	0	100	V	39.00	20.15	33.72	67.89	84	-16.11	PK
15480	31.51	0	100	V	39.00	20.15	33.72	56.94	64	-7.06	AV
Mid Channel 5220 MHz HT/VHT20 mode power setting: 17											
10440	42.03	0	100	H	39.28	16.87	30.61	67.56	84	-16.44	PK
10440	30.51	0	100	H	39.28	16.87	30.61	56.04	64	-7.96	AV
10440	41.45	0	100	V	39.28	16.87	30.61	66.98	84	-17.02	PK
10440	30.02	0	100	V	39.28	16.87	30.61	55.55	64	-8.45	AV
15660	42.51	0	100	H	38.50	20.15	33.81	67.35	84	-16.65	PK
15660	30.81	0	100	H	38.50	20.15	33.81	55.65	64	-8.35	AV
15660	41.80	0	100	V	38.50	20.15	33.81	66.64	84	-17.36	PK
15660	30.69	0	100	V	38.50	20.15	33.81	55.53	64	-8.47	AV
High Channel 5240 MHz HT/VHT20 mode power setting: 17											
10480	41.18	0	100	H	39.31	16.87	30.61	66.74	84	-17.26	PK
10480	29.71	0	100	H	39.31	16.87	30.61	55.27	64	-8.74	AV
10480	41.23	0	100	V	39.31	16.87	30.61	66.79	84	-17.21	PK
10480	29.43	0	100	V	39.31	16.87	30.61	54.99	64	-9.01	AV
15720	40.59	0	100	H	38.49	20.15	34.01	65.22	84	-18.78	PK
15720	29.39	0	100	H	38.49	20.15	34.01	54.02	64	-9.98	AV
15720	40.93	0	100	V	38.49	20.15	34.01	65.56	84	-18.44	PK
15720	29.92	0	100	V	38.49	20.15	34.01	54.55	64	-9.45	AV

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 5180 MHz HE20 mode power setting: 17											
10360	46.43	0	100	H	39.24	8.27	30.09	63.85	84	-20.15	PK
10360	33.62	0	100	H	39.24	8.27	30.09	51.04	64	-12.96	AV
10360	46.12	0	100	V	39.24	8.27	30.09	63.54	84	-20.46	PK
10360	33.14	0	100	V	39.24	8.27	30.09	50.56	64	-13.44	AV
Mid Channel 5220 MHz HE20 mode power setting: 17											
10440	46.87	0	100	H	39.28	8.43	30.61	63.97	84	-20.03	PK
10440	33.07	0	100	H	39.28	8.43	30.61	50.17	64	-13.83	AV
10440	46.74	0	100	V	39.28	8.43	30.61	63.84	84	-20.16	PK
10440	32.67	0	100	V	39.28	8.43	30.61	49.77	64	-14.23	AV
High Channel 5240 MHz HE20 mode power setting: 17											
10480	46.23	0	100	H	39.31	8.43	30.61	63.36	84	-20.64	PK
10480	32.98	0	100	H	39.31	8.43	30.61	50.11	64	-13.89	AV
10480	45.98	0	100	V	39.31	8.43	30.61	63.11	84	-20.89	PK
10480	33.05	0	100	V	39.31	8.43	30.61	50.18	64	-13.82	AV

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 5190 MHz Non HT40 mode power setting: 17											
10380	41.90	0	100	H	39.28	16.54	30.09	67.63	84	-16.37	PK
10380	30.13	0	100	H	39.28	16.54	30.09	55.86	64	-8.14	AV
10380	41.42	0	100	V	39.28	16.54	30.09	67.15	84	-16.85	PK
10380	30.05	0	100	V	39.28	16.54	30.09	55.78	64	-8.22	AV
15570	41.51	0	100	H	38.63	20.15	33.72	66.57	84	-17.43	PK
15570	30.88	0	100	H	38.63	20.15	33.72	55.94	64	-8.06	AV
15570	42.63	0	100	V	38.63	20.15	33.72	67.69	84	-16.31	PK
15570	30.69	0	100	V	38.63	20.15	33.72	55.75	64	-8.25	AV
High Channel 5230 MHz Non HT40 mode power setting: 17											
10460	39.74	0	100	H	39.27	16.87	30.61	65.26	84	-18.74	PK
10460	28.51	0	100	H	39.27	16.87	30.61	54.03	64	-9.97	AV
10460	40.37	0	100	V	39.27	16.87	30.61	65.89	84	-18.11	PK
10460	29.21	0	100	V	39.27	16.87	30.61	54.73	64	-9.27	AV
15690	41.24	0	100	H	38.49	20.15	33.81	66.07	84	-17.93	PK
15690	30.74	0	100	H	38.49	20.15	33.81	55.57	64	-8.43	AV
15690	41.43	0	100	V	38.49	20.15	33.81	66.26	84	-17.74	PK
15690	30.32	0	100	V	38.49	20.15	33.81	55.15	64	-8.85	AV

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 5190 MHz HT/VHT40 mode power setting: 17											
10380	41.38	0	100	H	39.28	16.54	30.09	67.11	84	-16.89	PK
10380	20.72	0	100	H	39.28	16.54	30.09	46.45	64	-17.55	AV
10380	41.16	0	100	V	39.28	16.54	30.09	66.89	84	-17.11	PK
10380	29.57	0	100	V	39.28	16.54	30.09	55.30	64	-8.70	AV
15570	41.49	0	100	H	38.63	20.15	33.72	66.55	84	-17.45	PK
15570	30.61	0	100	H	38.63	20.15	33.72	55.68	64	-8.32	AV
15570	41.62	0	100	V	38.63	20.15	33.72	66.68	84	-17.32	PK
15570	30.70	0	100	V	38.63	20.15	33.72	55.76	64	-8.24	AV
High Channel 5230 MHz HT/VHT40 mode power setting: 17											
10460	40.19	0	100	H	39.27	16.87	30.61	65.71	84	-18.29	PK
10460	28.48	0	100	H	39.27	16.87	30.61	54.00	64	-10.00	AV
10460	39.83	0	100	V	39.27	16.87	30.61	65.35	84	-18.65	PK
10460	28.51	0	100	V	39.27	16.87	30.61	54.03	64	-9.97	AV
15690	41.04	0	100	H	38.49	20.15	33.81	65.87	84	-18.13	PK
15690	30.21	0	100	H	38.49	20.15	33.81	55.04	64	-8.96	AV
15690	40.66	0	100	V	38.49	20.15	33.81	65.49	84	-18.51	PK
15690	30.09	0	100	V	38.49	20.15	33.81	54.92	64	-9.08	AV

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 5190 MHz HE40 mode power setting: 17											
10380	46.05	0	100	H	39.28	8.27	30.09	63.51	84	-20.49	PK
10380	33.59	0	100	H	39.28	8.27	30.09	51.05	64	-12.95	AV
10380	45.95	0	100	V	39.28	8.27	30.09	63.41	84	-20.59	PK
10380	32.98	0	100	V	39.28	8.27	30.09	50.44	64	-13.56	AV
High Channel 5230 MHz HE40 mode power setting: 17											
10460	46.25	0	100	H	39.27	8.43	30.61	63.34	84	-20.66	PK
10460	33.27	0	100	H	39.27	8.43	30.61	50.36	64	-13.64	AV
10460	46.02	0	100	V	39.27	8.43	30.61	63.11	84	-20.89	PK
10460	33.19	0	100	V	39.27	8.43	30.61	50.28	64	-13.72	AV

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)	
High Channel 5210 MHz Non HT80 mode power setting: 17											
10420	40.63	0	100	H	39.28	16.87	30.61	66.16	84	-17.84	PK
10420	29.76	0	100	H	39.28	16.87	30.61	55.30	64	-8.70	AV
10420	40.17	0	100	V	39.28	16.87	30.61	65.70	84	-18.30	PK
10420	29.61	0	100	V	39.28	16.87	30.61	55.15	64	-8.85	AV
15630	40.97	0	100	H	38.63	20.15	33.81	65.94	84	-18.06	PK
15630	29.82	0	100	H	38.63	20.15	33.81	54.79	64	-9.21	AV
15630	41.23	0	100	V	38.63	20.15	33.81	66.20	84	-17.80	PK
15630	30.19	0	100	V	38.63	20.15	33.81	55.16	64	-8.84	AV
High Channel 5210 MHz VHT80 mode power setting: 17											
10420	42.20	0	100	H	39.28	16.87	30.61	67.73	84	-16.27	PK
10420	30.97	0	100	H	39.28	16.87	30.61	56.51	64	-7.50	AV
10420	41.91	0	100	V	39.28	16.87	30.61	67.44	84	-16.56	PK
10420	31.09	0	100	V	39.28	16.87	30.61	56.62	64	-7.38	AV
15630	41.08	0	100	H	38.63	20.15	33.81	66.05	84	-17.95	PK
15630	29.85	0	100	H	38.63	20.15	33.81	54.83	64	-9.18	AV
15630	40.85	0	100	V	38.63	20.15	33.81	65.82	84	-18.18	PK
15630	30.15	0	100	V	38.63	20.15	33.81	55.12	64	-8.88	AV
High Channel 5210 MHz HE80 mode power setting: 17											
10420	46.17	0	100	H	39.28	8.43	30.61	63.27	84	-20.73	PK
10420	32.04	0	100	H	39.28	8.43	30.61	49.14	64	-14.86	AV
10420	45.75	0	100	V	39.28	8.43	30.61	62.85	84	-21.15	PK
10420	32.95	0	100	V	39.28	8.43	30.61	50.05	64	-13.95	AV

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)	
Channel 5250 MHz Non HT160 mode power setting: 17											
10500	40.31	0	100	H	39.28	16.87	31.62	64.83	84	-19.17	PK
10500	29.67	0	100	H	39.28	16.87	31.62	54.19	64	-9.81	AV
10500	41.19	0	100	V	39.28	16.87	31.62	65.71	84	-18.29	PK
10500	29.70	0	100	V	39.28	16.87	31.62	54.22	64	-9.78	AV
Channel 5250 MHz VHT160 mode power setting: 17											
10500	41.08	0	100	H	39.28	16.87	31.62	65.60	84	-18.40	PK
10500	31.98	0	100	H	39.28	16.87	31.62	56.50	64	-7.50	AV
10500	43.05	0	100	V	39.28	16.87	31.62	67.57	84	-16.43	PK
10500	31.64	0	100	V	39.28	16.87	31.62	56.17	64	-7.83	AV
Channel 5250 MHz HE160 mode power setting: 17											
10500	46.27	0	100	H	39.28	8.43	31.62	62.36	84	-21.64	PK
10500	32.57	0	100	H	39.28	8.43	31.62	48.66	64	-15.34	AV
10500	46.07	0	100	V	39.28	8.43	31.62	62.16	84	-21.84	PK
10500	32.93	0	100	V	39.28	8.43	31.62	49.02	64	-14.98	AV

5250 - 5350 MHz Regular Mode

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 5260 MHz Non HT20 mode power setting: 17											
10520	41.69	0	100	H	39.31	19.29	31.62	68.66	84	-15.34	PK
10520	31.12	0	100	H	39.31	19.29	31.62	58.09	64	-5.91	AV
10520	41.83	0	100	V	39.31	19.29	31.62	68.80	84	-15.20	PK
10520	31.24	0	100	V	39.31	19.29	31.62	58.21	64	-5.79	AV
Mid Channel 5300 MHz Non HT20 mode power setting: 17											
10600	40.95	0	100	H	39.34	19.29	32.58	67.00	84	-17.00	PK
10600	31.08	0	100	H	39.34	19.29	32.58	57.13	64	-6.87	AV
10600	41.05	0	100	V	39.34	19.29	32.58	67.10	84	-16.90	PK
10600	29.98	0	100	V	39.34	19.29	32.58	56.03	64	-7.97	AV
High Channel 5320MHz Non HT20 mode power setting: 17											
10640	41.01	0	100	H	39.34	19.29	32.58	67.06	84	-16.94	PK
10640	31.20	0	100	H	39.34	19.29	32.58	57.25	64	-6.75	AV
10640	42.08	0	100	V	39.34	19.29	32.58	68.13	84	-15.87	PK
10640	30.98	0	100	V	39.34	19.29	32.58	57.02	64	-6.98	AV

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 5260 MHz HT/VHT20 mode power setting: 17											
10520	41.22	0	100	H	39.31	19.29	31.62	68.19	84	-15.81	PK
10520	31.60	0	100	H	39.31	19.29	31.62	58.57	64	-5.43	AV
10520	41.15	0	100	V	39.31	19.29	31.62	68.12	84	-15.88	PK
10520	31.23	0	100	V	39.31	19.29	31.62	58.20	64	-5.80	AV
Mid Channel 5300 MHz HT/VHT20 mode power setting: 17											
10600	41.54	0	100	H	39.34	19.29	32.58	67.59	84	-16.41	PK
10600	31.06	0	100	H	39.34	19.29	32.58	57.11	64	-6.89	AV
10600	42.13	0	100	V	39.34	19.29	32.58	68.18	84	-15.82	PK
10600	31.25	0	100	V	39.34	19.29	32.58	57.30	64	-6.70	AV
High Channel 5320 MHz HT/VHT20 mode power setting: 17											
10640	42.36	0	100	H	39.34	19.29	32.58	68.41	84	-15.59	PK
10640	31.85	0	100	H	39.34	19.29	32.58	57.89	64	-6.11	AV
10640	42.42	0	100	V	39.34	19.29	32.58	68.47	84	-15.53	PK
10640	31.71	0	100	V	39.34	19.29	32.58	57.75	64	-6.25	AV

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 5260 MHz HE20 mode power setting: 17											
10520	42.57	0	100	H	39.31	9.64	31.62	59.90	84	-24.10	PK
10520	31.62	0	100	H	39.31	9.64	31.62	48.95	64	-15.05	AV
10520	42.67	0	100	V	39.31	9.64	31.62	60.00	84	-24.00	PK
10520	31.23	0	100	V	39.31	9.64	31.62	48.55	64	-15.45	AV
Mid Channel 5300 MHz HE20 mode power setting: 17											
10600	42.82	0	100	H	39.34	9.65	32.58	59.23	84	-24.77	PK
10600	32.07	0	100	H	39.34	9.64	32.58	48.47	64	-15.53	AV
10600	42.56	0	100	V	39.34	9.64	32.58	58.96	84	-25.04	PK
10600	31.95	0	100	V	39.34	9.64	32.58	48.35	64	-15.65	AV
High Channel 5320 MHz HE20 mode power setting: 17											
10640	42.67	0	100	H	39.34	9.65	32.58	59.08	84	-24.92	PK
10640	32.85	0	100	H	39.34	9.64	32.58	49.25	64	-14.75	AV
10640	41.98	0	100	V	39.34	9.64	32.58	58.38	84	-25.62	PK
10640	31.95	0	100	V	39.34	9.64	32.58	48.35	64	-15.65	AV

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 5270 MHz Non HT40 mode power setting: 17											
10540	42.22	0	100	H	39.31	19.29	31.62	69.19	84	-14.81	PK
10540	32.06	0	100	H	39.31	19.29	31.62	59.03	64	-4.97	AV
10540	42.66	0	100	V	39.31	19.29	31.62	69.63	84	-14.37	PK
10540	32.10	0	100	V	39.31	19.29	31.62	59.07	64	-4.93	AV
High Channel 5310 MHz Non HT40 mode power setting: 17											
10620	42.06	0	100	H	39.34	19.29	32.58	68.11	84	-15.89	PK
10620	30.90	0	100	H	39.34	19.29	32.58	56.95	64	-7.05	AV
10620	41.96	0	100	V	39.34	19.29	32.58	68.01	84	-15.99	PK
10620	31.22	0	100	V	39.34	19.29	32.58	57.27	64	-6.73	AV

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 5270 MHz HT/VHT40 mode power setting: 17											
10540	42.48	0	100	H	39.31	19.29	31.62	69.45	84	-14.55	PK
10540	31.82	0	100	H	39.31	19.29	31.62	58.79	64	-5.21	AV
10540	42.36	0	100	V	39.31	19.29	31.62	69.33	84	-14.67	PK
10540	31.79	0	100	V	39.31	19.29	31.62	58.76	64	-5.24	AV
High Channel 5310 MHz HT/VHT40 mode power setting: 17											
10620	41.98	0	100	H	39.34	19.29	32.58	68.03	84	-15.97	PK
10620	31.12	0	100	H	39.34	19.29	32.58	57.16	64	-6.84	AV
10620	42.03	0	100	V	39.34	19.29	32.58	68.08	84	-15.92	PK
10620	31.69	0	100	V	39.34	19.29	32.58	57.74	64	-6.26	AV

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 5270 MHz HE40 mode power setting: 17											
10540	42.26	0	100	H	39.31	9.64	31.62	59.59	84	-24.41	PK
10540	32.08	0	100	H	39.31	9.64	31.62	49.41	64	-14.59	AV
10540	42.75	0	100	V	39.31	9.64	31.62	60.08	84	-23.92	PK
10540	32.07	0	100	V	39.31	9.64	31.62	49.40	64	-14.60	AV
High Channel 5310 MHz HE40 mode power setting: 17											
10620	42.05	0	100	H	39.34	9.64	32.58	58.45	84	-25.55	PK
10620	31.95	0	100	H	39.34	9.64	32.58	48.35	64	-15.65	AV
10620	42.10	0	100	V	39.34	9.64	32.58	58.50	84	-25.50	PK
10620	32.00	0	100	V	39.34	9.64	32.58	48.40	64	-15.60	AV

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)	
High Channel 5290 MHz Non HT 80 mode power setting: 17											
10580	42.43	0	100	H	39.31	19.29	31.62	69.40	84	-14.60	PK
10580	31.82	0	100	H	39.31	19.29	31.62	58.80	64	-5.20	AV
10580	42.37	0	100	V	39.31	19.29	31.62	69.34	84	-14.66	PK
10580	31.83	0	100	V	39.31	19.29	31.62	58.80	64	-5.20	AV
High Channel 5290 MHz VHT80 mode power setting: 17											
10580	42.29	0	100	H	39.31	19.29	31.62	69.26	84	-14.74	PK
10580	32.07	0	100	H	39.31	19.29	31.62	59.05	64	-4.95	AV
10580	42.91	0	100	V	39.31	19.29	31.62	69.88	84	-14.12	PK
10580	31.71	0	100	V	39.31	19.29	31.62	58.68	64	-5.32	AV
High Channel 5290 MHz HE80 mode power setting: 17											
10580	42.65	0	100	H	39.31	9.64	31.62	59.98	84	-24.02	PK
10580	32.09	0	100	H	39.31	9.64	31.62	49.42	64	-14.58	AV
10580	42.75	0	100	V	39.31	9.64	31.62	60.08	84	-23.92	PK
10580	32.08	0	100	V	39.31	9.64	31.62	49.41	64	-14.59	AV

5470 - 5725 MHz Regular Mode

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											
11000	41.94	0	100	H	39.71	10.05	33.70	58.00	84	-26.00	PK
11000	31.02	0	100	H	39.71	10.05	33.70	47.08	64	-16.92	AV
11000	42.13	0	100	V	39.71	10.05	33.70	58.19	84	-25.81	PK
11000	30.85	0	100	V	39.71	10.05	33.70	46.91	64	-17.10	AV
Mid Channel 5580 MHz Non HT20 mode power setting: 17											
11160	41.50	0	100	H	39.96	10.05	33.84	57.67	84	-26.33	PK
11160	30.81	0	100	H	39.96	10.05	33.84	46.97	64	-17.03	AV
11160	41.07	0	100	V	39.96	10.05	33.84	57.24	84	-26.76	PK
11160	30.50	0	100	V	39.96	10.05	33.84	46.67	64	-17.33	AV
High Channel 5700 MHz Non HT20 mode power setting: 17											
11400	41.35	0	100	H	40.65	10.09	34.34	57.75	84	-26.25	PK
11400	30.36	0	100	H	40.65	10.09	34.34	46.76	64	-17.24	AV
11400	40.92	0	100	V	40.65	10.09	34.34	57.32	84	-26.68	PK
11400	30.28	0	100	V	40.65	10.09	34.34	46.68	64	-17.32	AV
High Channel 5720 MHz Non HT20 mode power setting: 17											
11460	40.44	0	100	H	40.63	10.09	34.34	56.82	84	-27.18	PK
11460	30.02	0	100	H	40.63	10.09	34.34	46.40	64	-17.60	AV
11460	40.95	0	100	V	40.63	10.09	34.34	57.33	84	-26.67	PK
11460	30.25	0	100	V	40.63	10.09	34.34	46.63	64	-17.37	AV

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 HT/VHT20 mode power setting: 17											
11000	41.36	0	100	H	39.71	10.05	33.70	57.42	84	-26.58	PK
11000	30.57	0	100	H	39.71	10.05	33.70	46.63	64	-17.37	AV
11000	41.22	0	100	V	39.71	10.05	33.70	57.28	84	-26.72	PK
11000	30.62	0	100	V	39.71	10.05	33.70	46.68	64	-17.32	AV
Mid Channel 5580 MHz HT/VHT20 mode power setting: 17											
11160	41.50	0	100	H	39.96	10.05	33.84	57.67	84	-26.33	PK
11160	30.09	0	100	H	39.96	10.05	33.84	46.26	64	-17.74	AV
11160	41.59	0	100	V	39.96	10.05	33.84	57.76	84	-26.24	PK
11160	30.15	0	100	V	39.96	10.05	33.84	46.31	64	-17.69	AV
High Channel 5700 MHz HT/VHT20 mode power setting: 17											
11400	41.28	0	100	H	40.65	10.09	34.34	57.68	84	-26.32	PK
11400	30.69	0	100	H	40.65	10.09	34.34	47.09	64	-16.91	AV
11400	41.15	0	100	V	40.65	10.09	34.34	57.55	84	-26.45	PK
11400	30.23	0	100	V	40.65	10.09	34.34	46.63	64	-17.37	AV
High Channel 5720 MHz HT/VHT20 mode power setting: 17											
11460	42.70	0	100	H	40.63	10.09	34.34	59.08	84	-24.92	PK
11460	30.53	0	100	H	40.63	10.09	34.34	46.91	64	-17.09	AV
11460	40.92	0	100	V	40.63	10.09	34.34	57.30	84	-26.70	PK
11460	30.28	0	100	V	40.63	10.09	34.34	46.66	64	-17.34	AV

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 HE20 mode power setting: 17											
11000	43.81	0	100	H	39.71	10.05	33.70	59.87	84	-24.13	PK
11000	32.89	0	100	H	39.71	10.05	33.70	48.95	64	-15.05	AV
11000	43.29	0	100	V	39.71	10.05	33.70	59.35	84	-24.65	PK
11000	31.83	0	100	V	39.71	10.05	33.70	47.89	64	-16.11	AV
Mid Channel 5580 MHz HE20 mode power setting: 17											
11160	43.56	0	100	H	39.96	10.05	33.84	59.73	84	-24.27	PK
11160	32.00	0	100	H	39.96	10.05	33.84	48.17	64	-15.83	AV
11160	43.16	0	100	V	39.96	10.05	33.84	59.33	84	-24.67	PK
11160	31.84	0	100	V	39.96	10.05	33.84	48.01	64	-15.99	AV
High Channel 5700 MHz HE20 mode power setting: 17											
11400	42.49	0	100	H	40.65	10.09	34.34	58.89	84	-25.11	PK
11400	31.25	0	100	H	40.65	10.09	34.34	47.65	64	-16.35	AV
11400	42.90	0	100	V	40.65	10.09	34.34	59.30	84	-24.70	PK
11400	31.10	0	100	V	40.65	10.09	34.34	47.50	64	-16.50	AV
High Channel 5720 MHz HE20 mode power setting: 17											
11460	42.36	0	100	H	40.63	10.09	34.34	58.74	84	-25.26	PK
11460	30.70	0	100	H	40.63	10.09	34.34	47.08	64	-16.92	AV
11460	42.55	0	100	V	40.63	10.09	34.34	58.93	84	-25.07	PK
11460	30.86	0	100	V	40.63	10.09	34.34	47.24	64	-16.76	AV

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 5510 MHz Non HT40 mode power setting: 17											
11020	42.92	0	100	H	39.71	20.09	33.70	69.03	84	-14.98	PK
11020	31.90	0	100	H	39.71	20.09	33.70	58.01	64	-5.99	AV
11020	42.83	0	100	V	39.71	20.09	33.70	68.94	84	-15.07	PK
11020	32.21	0	100	V	39.71	20.09	33.70	58.32	64	-5.69	AV
Mid Channel 5550 MHz Non HT40 mode power setting: 17											
11100	43.26	0	100	H	39.84	20.09	33.84	69.35	84	-14.65	PK
11100	32.05	0	100	H	39.84	20.09	33.84	58.14	64	-5.86	AV
11100	43.38	0	100	V	39.84	20.09	33.84	69.47	84	-14.53	PK
11100	32.42	0	100	V	39.84	20.09	33.84	58.51	64	-5.49	AV
High Channel 5670 MHz Non HT40 mode power setting: 17											
11340	43.32	0	100	H	40.48	20.09	34.16	69.74	84	-14.26	PK
11340	32.50	0	100	H	40.48	20.09	34.16	58.91	64	-5.09	AV
11340	43.67	0	100	V	40.48	20.09	34.16	70.09	84	-13.91	PK
11340	32.65	0	100	V	40.48	20.09	34.16	59.07	64	-4.93	AV
High Channel 5710 MHz Non HT40 mode power setting: 17											
11420	42.37	0	100	H	40.65	20.18	34.34	68.86	84	-15.14	PK
11420	31.74	0	100	H	40.65	20.18	34.34	58.23	64	-5.77	AV
11420	42.20	0	100	V	40.65	20.18	34.34	68.69	84	-15.31	PK
11420	31.88	0	100	V	40.65	20.18	34.34	58.37	64	-5.63	AV

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 5510 MHz HT/VHT40 mode power setting: 17											
11020	42.90	0	100	H	39.71	20.09	33.70	69.01	84	-15.00	PK
11020	32.50	0	100	H	39.71	20.09	33.70	58.61	64	-5.40	AV
11020	42.87	0	100	V	39.71	20.09	33.70	68.98	84	-15.03	PK
11020	32.09	0	100	V	39.71	20.09	33.70	58.20	64	-5.80	AV
Mid Channel 5550 MHz HT/VHT40 mode power setting: 17											
11100	43.82	0	100	H	39.84	20.09	33.84	69.91	84	-14.09	PK
11100	31.96	0	100	H	39.84	20.09	33.84	58.06	64	-5.94	AV
11100	43.13	0	100	V	39.84	20.09	33.84	69.22	84	-14.78	PK
11100	32.62	0	100	V	39.84	20.09	33.84	58.72	64	-5.29	AV
High Channel 5670 MHz HT/VHT40 mode power setting: 17											
11340	42.95	0	100	H	40.48	20.09	34.16	69.37	84	-14.63	PK
11340	32.70	0	100	H	40.48	20.09	34.16	59.12	64	-4.88	AV
11340	43.40	0	100	V	40.48	20.09	34.16	69.82	84	-14.18	PK
11340	32.90	0	100	V	40.48	20.09	34.16	59.31	64	-4.69	AV
High Channel 5710 MHz HT/VHT40 mode power setting: 17											
11420	42.58	0	100	H	40.65	20.18	34.34	69.07	84	-14.93	PK
11420	31.61	0	100	H	40.65	20.18	34.34	58.10	64	-5.90	AV
11420	42.15	0	100	V	40.65	20.18	34.34	68.64	84	-15.36	PK
11420	30.36	0	100	V	40.65	20.18	34.34	56.85	64	-7.15	AV

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 5510 MHz HE40 mode power setting: 17											
11020	42.85	0	100	H	39.71	20.09	33.70	68.96	84	-15.05	PK
11020	31.78	0	100	H	39.71	20.09	33.70	57.89	64	-6.11	AV
11020	42.67	0	100	V	39.71	20.09	33.70	68.78	84	-15.23	PK
11020	31.97	0	100	V	39.71	20.09	33.70	58.08	64	-5.93	AV
Mid Channel 5550 MHz HE40 mode power setting: 17											
11100	42.85	0	100	H	39.84	20.09	33.84	68.94	84	-15.06	PK
11100	31.32	0	100	H	39.84	20.09	33.84	57.41	64	-6.59	AV
11100	42.67	0	100	V	39.84	20.09	33.84	68.76	84	-15.24	PK
11100	31.42	0	100	V	39.84	20.09	33.84	57.51	64	-6.49	AV
High Channel 5670 MHz HE40 mode power setting: 17											
11340	43.41	0	100	H	40.48	20.09	34.16	69.83	84	-14.17	PK
11340	31.05	0	100	H	40.48	20.09	34.16	57.47	64	-6.53	AV
11340	43.25	0	100	V	40.48	20.09	34.16	69.67	84	-14.33	PK
11340	31.21	0	100	V	40.48	20.09	34.16	57.63	64	-6.37	AV
High Channel 5710 MHz HE40 mode power setting: 17											
11420	42.46	0	100	H	40.65	20.18	34.34	68.95	84	-15.05	PK
11420	31.08	0	100	H	40.65	20.18	34.34	57.57	64	-6.43	AV
11420	42.30	0	100	V	40.65	20.18	34.34	68.79	84	-15.21	PK
11420	31.04	0	100	V	40.65	20.18	34.34	57.53	64	-6.47	AV

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 5530 MHz Non HT 80 mode power setting: 17											
11060	43.51	0	100	H	39.76	20.18	33.70	69.75	84	-14.25	PK
11060	32.90	0	100	H	39.76	20.18	33.70	59.14	64	-4.86	AV
11060	43.79	0	100	V	39.76	20.18	33.70	70.03	84	-13.97	PK
11060	33.06	0	100	V	39.76	20.18	33.70	59.30	64	-4.70	AV
Mid Channel 5610 MHz Non HT 80 mode power setting: 17											
11220	43.10	0	100	H	40.14	20.18	34.00	69.43	84	-14.57	PK
11220	31.80	0	100	H	40.14	20.18	34.00	58.13	64	-5.87	AV
11220	42.79	0	100	V	40.14	20.18	34.00	69.12	84	-14.88	PK
11220	32.22	0	100	V	40.14	20.18	34.00	58.54	64	-5.46	AV
High Channel 5690 MHz Non HT 80 mode power setting: 17											
11380	42.11	0	100	H	40.60	20.18	34.16	68.74	84	-15.26	PK
11380	30.61	0	100	H	40.60	20.18	34.16	57.24	64	-6.76	AV
11380	42.06	0	100	V	40.60	20.18	34.16	68.69	84	-15.31	PK
11380	31.15	0	100	V	40.60	20.18	34.16	57.78	64	-6.22	AV

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 5530 MHz VHT 80 mode power setting: 17											
11060	43.15	0	100	H	39.76	20.18	33.70	69.39	84	-14.61	PK
11060	32.51	0	100	H	39.76	20.18	33.70	58.75	64	-5.25	AV
11060	43.45	0	100	V	39.76	20.18	33.70	69.69	84	-14.31	PK
11060	32.81	0	100	V	39.76	20.18	33.70	59.05	64	-4.95	AV
Mid Channel 5610 MHz VHT 80 mode power setting: 17											
11220	42.36	0	100	H	40.14	20.18	34.00	68.69	84	-15.31	PK
11220	31.41	0	100	H	40.14	20.18	34.00	57.74	64	-6.27	AV
11220	42.28	0	100	V	40.14	20.18	34.00	68.61	84	-15.39	PK
11220	32.11	0	100	V	40.14	20.18	34.00	58.44	64	-5.56	AV
High Channel 5690 MHz VHT 80 mode power setting: 17											
11380	42.10	0	100	H	40.60	20.18	34.16	68.73	84	-15.27	PK
11380	31.81	0	100	H	40.60	20.18	34.16	58.44	64	-5.56	AV
11380	42.90	0	100	V	40.60	20.18	34.16	69.53	84	-14.47	PK
11380	30.71	0	100	V	40.60	20.18	34.16	57.34	64	-6.66	AV

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 5530 MHz HE 80 mode power setting: 17											
11060	43.48	0	100	H	39.76	20.18	33.70	69.72	84	-14.28	PK
11060	32.21	0	100	H	39.76	20.18	33.70	58.45	64	-5.55	AV
11060	43.12	0	100	V	39.76	20.18	33.70	69.36	84	-14.64	PK
11060	32.43	0	100	V	39.76	20.18	33.70	58.67	64	-5.33	AV
Mid Channel 5610 MHz HE 80 mode power setting: 17											
11220	42.78	0	100	H	40.14	20.18	34.00	69.11	84	-14.89	PK
11220	31.34	0	100	H	40.14	20.18	34.00	57.67	64	-6.33	AV
11220	42.10	0	100	V	40.14	20.18	34.00	68.43	84	-15.57	PK
11220	31.77	0	100	V	40.14	20.18	34.00	58.10	64	-5.90	AV
High Channel 5690 MHz HE 80 mode power setting: 17											
11380	42.11	0	100	H	40.60	20.18	34.16	68.74	84	-15.26	PK
11380	31.04	0	100	H	40.60	20.18	34.16	57.67	64	-6.33	AV
11380	41.82	0	100	V	40.60	20.18	34.16	68.45	84	-15.55	PK
11380	30.90	0	100	V	40.60	20.18	34.16	57.53	64	-6.47	AV

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)	
Channel 5570 MHz Non HT160 mode power setting: 17											
11140	42.70	0	100	H	40.60	20.18	33.84	69.65	84	-14.35	PK
11140	32.59	0	100	H	40.60	20.18	33.84	59.54	64	-4.46	AV
11140	41.51	0	100	V	40.60	20.18	33.84	68.46	84	-15.54	PK
11140	29.82	0	100	V	40.60	20.18	33.84	56.76	64	-7.24	AV
Channel 5570 MHz VHT160 mode power setting: 17											
11140	43.59	0	100	H	40.60	20.18	33.84	70.54	84	-13.46	PK
11140	32.19	0	100	H	40.60	20.18	33.84	59.13	64	-4.87	AV
11140	43.32	0	100	V	40.60	20.18	33.84	70.27	84	-13.73	PK
11140	32.68	0	100	V	40.60	20.18	33.84	59.62	64	-4.38	AV
Channel 5570 MHz HE160 mode power setting: 17											
11140	42.01	0	100	H	40.60	20.18	33.84	68.96	84	-15.04	PK
11140	31.28	0	100	H	40.60	20.18	33.84	58.23	64	-5.77	AV
11140	41.98	0	100	V	40.60	20.18	33.84	68.93	84	-15.07	PK
11140	30.91	0	100	V	40.60	20.18	33.84	57.86	64	-6.14	AV

5725 - 5850 MHz Regular Mode

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 5745 MHz Non HT20 mode power setting: 17											
11490	42.83	0	100	H	40.63	22.31	37.74	68.02	84	-15.98	PK
11490	31.75	0	100	H	40.63	22.31	37.74	56.94	64	-7.06	AV
11490	42.75	0	100	V	40.63	22.31	37.74	67.94	84	-16.06	PK
11490	31.35	0	100	V	40.63	22.31	37.74	56.54	64	-7.46	AV
Mid Channel 5785 MHz Non HT20 mode power setting: 17											
11570	43.54	0	100	H	40.57	22.42	37.97	68.56	84	-15.44	PK
11570	31.71	0	100	H	40.57	22.42	37.97	56.73	64	-7.27	AV
11570	42.97	0	100	V	40.57	22.42	37.97	67.99	84	-16.01	PK
11570	31.22	0	100	V	40.57	22.42	37.97	56.24	64	-7.77	AV
High Channel 5825 MHz Non HT20 mode power setting: 17											
11650	43.35	0	100	H	40.60	22.42	38.32	68.05	84	-15.96	PK
11650	32.37	0	100	H	40.60	22.42	38.32	57.06	64	-6.94	AV
11650	44.31	0	100	V	40.60	22.42	38.32	69.01	84	-15.00	PK
11650	32.43	0	100	V	40.60	22.42	38.32	57.12	64	-6.88	AV

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 5745 MHz HT/VHT20 mode power setting: 17											
11490	43.03	0	100	H	40.63	22.31	38.31	67.66	84	-16.34	PK
11490	31.26	0	100	H	40.63	22.31	38.31	55.89	64	-8.11	AV
11490	42.63	0	100	V	40.63	22.31	38.31	67.26	84	-16.74	PK
11490	31.47	0	100	V	40.63	22.31	38.31	56.10	64	-7.90	AV
Mid Channel 5785 MHz HT/VHT20 mode power setting: 17											
11570	44.51	0	100	H	40.57	22.42	37.97	69.53	84	-14.47	PK
11570	31.73	0	100	H	40.57	22.42	37.97	56.75	64	-7.25	AV
11570	42.63	0	100	V	40.57	22.42	37.97	67.65	84	-16.35	PK
11570	31.99	0	100	V	40.57	22.42	37.97	57.01	64	-6.99	AV
High Channel 5825 MHz HT/VHT20 mode power setting: 17											
11650	43.27	0	100	H	40.60	22.42	38.32	67.97	84	-16.04	PK
11650	31.92	0	100	H	40.60	22.42	38.32	56.61	64	-7.39	AV
11650	43.65	0	100	V	40.60	22.42	38.32	68.35	84	-15.66	PK
11650	32.13	0	100	V	40.60	22.42	38.32	56.82	64	-7.18	AV

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 5745 MHz HE20 mode power setting: 17											
11490	43.46	0	100	H	40.63	22.31	38.31	68.09	84	-15.91	PK
11490	31.22	0	100	H	40.63	22.31	38.31	55.85	64	-8.15	AV
11490	43.21	0	100	V	40.63	22.31	38.31	67.84	84	-16.16	PK
11490	31.08	0	100	V	40.63	22.31	38.31	55.71	64	-8.29	AV
Mid Channel 5785 MHz HE20 mode power setting: 17											
11570	43.09	0	100	H	40.57	22.42	37.97	68.11	84	-15.89	PK
11570	31.14	0	100	H	40.57	22.42	37.97	56.16	64	-7.84	AV
11570	42.03	0	100	V	40.57	22.42	37.97	67.05	84	-16.95	PK
11570	31.28	0	100	V	40.57	22.42	37.97	56.30	64	-7.70	AV
High Channel 5825 MHz HE20 mode power setting: 17											
11650	42.51	0	100	H	40.60	22.42	38.32	67.21	84	-16.80	PK
11650	31.07	0	100	H	40.60	22.42	38.32	55.77	64	-8.23	AV
11650	42.53	0	100	V	40.60	22.42	38.32	67.23	84	-16.78	PK
11650	31.20	0	100	V	40.60	22.42	38.32	55.90	64	-8.11	AV

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 5755 MHz Non HT40 mode power setting: 17											
11510	43.19	0	100	H	40.50	22.45	37.97	68.17	84	-15.83	PK
11510	31.77	0	100	H	40.50	22.45	37.97	56.75	64	-7.25	AV
11510	42.87	0	100	V	40.50	22.45	37.97	67.85	84	-16.15	PK
11510	31.60	0	100	V	40.50	22.45	37.97	56.58	64	-7.42	AV
High Channel 5795 MHz Non HT40 mode power setting: 17											
11590	42.58	0	100	H	40.55	22.45	38.32	67.26	84	-16.74	PK
11590	32.14	0	100	H	40.55	22.45	38.32	56.81	64	-7.19	AV
11590	42.69	0	100	V	40.55	22.45	38.32	67.37	84	-16.63	PK
11590	31.76	0	100	V	40.55	22.45	38.32	56.44	64	-7.56	AV

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 5755 MHz HT/VHT40 mode power setting: 17											
11510	42.21	0	100	H	40.50	22.45	37.97	67.19	84	-16.81	PK
11510	31.87	0	100	H	40.50	22.45	37.97	56.85	64	-7.15	AV
11510	42.41	0	100	V	40.50	22.45	37.97	67.39	84	-16.61	PK
11510	31.52	0	100	V	40.50	22.45	37.97	56.50	64	-7.50	AV
High Channel 5795 MHz HT/VHT40 mode power setting: 17											
11590	41.48	0	100	H	40.55	22.45	38.32	66.16	84	-17.84	PK
11590	30.61	0	100	H	40.55	22.45	38.32	55.29	64	-8.71	AV
11590	42.63	0	100	V	40.55	22.45	38.32	67.31	84	-16.69	PK
11590	31.68	0	100	V	40.55	22.45	38.32	56.36	64	-7.64	AV

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 5755 MHz HE40 mode power setting: 17											
11510	43.32	0	100	H	40.50	22.45	37.97	68.30	84	-15.70	PK
11510	30.86	0	100	H	40.50	22.45	37.97	55.84	64	-8.16	AV
11510	42.98	0	100	V	40.50	22.45	37.97	67.96	84	-16.04	PK
11510	31.41	0	100	V	40.50	22.45	37.97	56.39	64	-7.61	AV
High Channel 5795 MHz HE40 mode power setting: 17											
11590	42.27	0	100	H	40.55	22.45	38.32	66.95	84	-17.05	PK
11590	31.02	0	100	H	40.55	22.45	38.32	55.70	64	-8.30	AV
11590	42.76	0	100	V	40.55	22.45	38.32	67.44	84	-16.56	PK
11590	31.04	0	100	V	40.55	22.45	38.32	55.72	64	-8.29	AV

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)	
High Channel 5775 MHz Non HT 80 mode power setting: 17											
11550	42.08	0	100	H	40.57	22.45	37.97	67.14	84	-16.87	PK
11550	31.03	0	100	H	40.57	22.45	37.97	56.08	64	-7.92	AV
11550	42.68	0	100	V	40.57	22.45	37.97	67.74	84	-16.27	PK
11550	31.13	0	100	V	40.57	22.45	37.97	56.19	64	-7.81	AV
High Channel 5775 MHz VHT80 mode power setting: 17											
11550	43.52	0	100	H	40.57	22.45	37.97	68.58	84	-15.43	PK
11550	31.60	0	100	H	40.57	22.45	37.97	56.66	64	-7.34	AV
11550	42.85	0	100	V	40.57	22.45	37.97	67.91	84	-16.10	PK
11550	31.85	0	100	V	40.57	22.45	37.97	56.91	64	-7.09	AV
High Channel 5775 MHz HE80 mode power setting: 17											
11550	42.41	0	100	H	40.57	22.45	37.97	67.47	84	-16.54	PK
11550	30.21	0	100	H	40.57	22.45	37.97	55.27	64	-8.74	AV
11550	41.72	0	100	V	40.57	22.45	37.97	66.78	84	-17.23	PK
11550	30.01	0	100	V	40.57	22.45	37.97	55.07	64	-8.94	AV

5150 - 5250 MHz XOR mode

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 5180 MHz Non HT20 mode power setting: 17											
10360	40.86	0	100	H	39.24	16.54	30.09	66.55	84	-17.45	PK
10360	30.21	0	100	H	39.24	16.54	30.09	55.90	64	-8.10	AV
10360	41.37	0	100	V	39.24	16.54	30.09	67.06	84	-16.94	PK
10360	29.98	0	100	V	39.24	16.54	30.09	55.67	64	-8.33	AV
Mid Channel 5220 MHz Non HT20 mode power setting: 17											
10440	41.09	0	100	H	39.28	16.87	30.61	66.62	84	-17.38	PK
10440	29.79	0	100	H	39.28	16.87	30.61	55.32	64	-8.68	AV
10440	43.58	0	100	V	39.28	16.87	30.61	69.11	84	-14.89	PK
10440	30.42	0	100	V	39.28	16.87	30.61	55.95	64	-8.05	AV
High Channel 5240 MHz Non HT20 mode power setting: 17											
10480	40.53	0	100	H	39.31	16.87	30.61	66.09	84	-17.91	PK
10480	27.92	0	100	H	39.31	16.87	30.61	53.48	64	-10.52	AV
10480	40.99	0	100	V	39.31	16.87	30.61	66.55	84	-17.45	PK
10480	30.49	0	100	V	39.31	16.87	30.61	56.05	64	-7.95	AV

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 5180 MHz HT/VHT20 mode power setting: 17											
10360	40.79	0	100	H	39.24	16.54	30.09	66.48	84	-17.52	PK
10360	30.38	0	100	H	39.24	16.54	30.09	56.07	64	-7.93	AV
10360	41.23	0	100	V	39.24	16.54	30.09	66.92	84	-17.08	PK
10300	30.50	0	100	V	39.24	16.54	30.09	56.19	64	-7.81	AV
Mid Channel 5220 MHz HT/VHT20 mode power setting: 17											
10440	41.79	0	100	H	39.28	16.87	30.61	67.32	84	-16.68	PK
10440	28.02	0	100	H	39.28	16.87	30.61	53.55	64	-10.45	AV
10440	40.50	0	100	V	39.28	16.87	30.61	66.03	84	-17.97	PK
10440	28.18	0	100	V	39.28	16.87	30.61	53.71	64	-10.29	AV
High Channel 5240 MHz HT/VHT20 mode power setting: 17											
10480	40.59	0	100	H	39.31	16.87	30.61	66.15	84	-17.85	PK
10480	28.58	0	100	H	39.31	16.87	30.61	54.14	64	-9.86	AV
10480	40.65	0	100	V	39.31	16.87	30.61	66.21	84	-17.79	PK
10480	28.42	0	100	V	39.31	16.87	30.61	53.98	64	-10.02	AV

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 5180 MHz HE20 mode power setting: 17											
10360	41.49	0	100	H	39.24	16.54	30.09	67.18	84	-16.82	PK
10360	29.19	0	100	H	39.24	16.54	30.09	54.88	64	-9.12	AV
10360	42.34	0	100	V	39.24	16.54	30.09	68.03	84	-15.97	PK
10300	29.42	0	100	V	39.24	16.54	30.09	55.11	64	-8.89	AV
Mid Channel 5220 MHz HE20 mode power setting: 17											
10440	41.52	0	100	H	39.28	16.87	30.61	67.05	84	-16.95	PK
10440	30.30	0	100	H	39.28	16.87	30.61	55.83	64	-8.17	AV
10440	41.35	0	100	V	39.28	16.87	30.61	66.88	84	-17.12	PK
10440	30.17	0	100	V	39.28	16.87	30.61	55.70	64	-8.30	AV
High Channel 5240 MHz HE20 mode power setting: 17											
10480	41.20	0	100	H	39.31	16.87	30.61	66.76	84	-17.24	PK
10480	30.06	0	100	H	39.31	16.87	30.61	55.62	64	-8.38	AV
10480	40.54	0	100	V	39.31	16.87	30.61	66.10	84	-17.90	PK
10480	29.95	0	100	V	39.31	16.87	30.61	55.51	64	-8.49	AV

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 5190 MHz Non HT40 mode power setting: 17											
10380	42.21	0	100	H	39.28	16.54	38.59	59.44	84	-24.56	PK
10380	31.04	0	100	H	39.28	16.54	38.59	48.27	64	-15.73	AV
10380	42.53	0	100	V	39.28	16.54	38.59	59.76	84	-24.24	PK
10380	31.34	0	100	V	39.28	16.54	38.59	48.57	64	-15.43	AV
High Channel 5230 MHz Non HT40 mode power setting: 17											
10460	43.33	0	100	H	39.27	16.87	38.37	61.09	84	-22.91	PK
10460	32.65	0	100	H	39.27	16.87	38.37	50.41	64	-13.59	AV
10460	43.06	0	100	V	39.27	16.87	38.37	60.82	84	-23.18	PK
10460	31.88	0	100	V	39.27	16.87	38.37	49.64	64	-14.36	AV

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 5190 MHz HT/VHT40 mode power setting: 17											
10380	42.13	0	100	H	39.28	16.54	38.59	59.36	84	-24.64	PK
10380	31.24	0	100	H	39.28	16.54	38.59	48.47	64	-15.53	AV
10380	42.18	0	100	V	39.28	16.54	38.59	59.41	84	-24.59	PK
10380	31.52	0	100	V	39.28	16.54	38.59	48.75	64	-15.25	AV
High Channel 5230 MHz HT/VHT40 mode power setting: 17											
10460	43.20	0	100	H	39.27	16.87	38.37	60.96	84	-23.04	PK
10460	32.03	0	100	H	39.27	16.87	38.37	49.79	64	-14.21	AV
10460	43.84	0	100	V	39.27	16.87	38.37	61.60	84	-22.40	PK
10460	32.63	0	100	V	39.27	16.87	38.37	50.39	64	-13.61	AV

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 5190 MHz HE40 mode power setting: 17											
10380	42.16	0	100	H	39.28	16.54	38.59	59.39	84	-24.61	PK
10380	30.05	0	100	H	39.28	16.54	38.59	47.28	64	-16.72	AV
10380	41.22	0	100	V	39.28	16.54	38.59	58.45	84	-25.55	PK
10380	30.23	0	100	V	39.28	16.54	38.59	47.46	64	-16.54	AV
High Channel 5230 MHz HE40 mode power setting: 17											
10460	41.90	0	100	H	39.27	16.87	38.37	59.66	84	-24.34	PK
10460	29.43	0	100	H	39.27	16.87	38.37	47.19	64	-16.81	AV
10460	40.67	0	100	V	39.27	16.87	38.37	58.43	84	-25.57	PK
10460	29.37	0	100	V	39.27	16.87	38.37	47.13	64	-16.87	AV

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)	
High Channel 5210 MHz Non HT80 mode power setting: 17											
10420	40.58	0	100	H	39.28	16.87	38.37	58.35	84	-25.65	PK
10420	28.70	0	100	H	39.28	16.87	38.37	46.47	64	-17.53	AV
10420	40.21	0	100	V	39.28	16.87	38.37	57.98	84	-26.02	PK
10420	28.61	0	100	V	39.28	16.87	38.37	46.38	64	-17.62	AV
High Channel 5210 MHz VHT80 mode power setting: 17											
10420	40.98	0	100	H	39.28	16.87	38.37	58.75	84	-25.25	PK
10420	28.87	0	100	H	39.28	16.87	38.37	46.65	64	-17.36	AV
10420	40.73	0	100	V	39.28	16.87	38.37	58.50	84	-25.50	PK
10420	28.75	0	100	V	39.28	16.87	38.37	46.52	64	-17.48	AV
High Channel 5210 MHz HE80 mode power setting: 17											
10420	41.15	0	100	H	39.28	16.87	38.37	58.92	84	-25.08	PK
10420	30.19	0	100	H	39.28	16.87	38.37	47.96	64	-16.04	AV
10420	41.10	0	100	V	39.28	16.87	38.37	58.87	84	-25.13	PK
10420	30.18	0	100	V	39.28	16.87	38.37	47.95	64	-16.05	AV

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)	
Channel 5250 MHz Non HT160 mode power setting: 17											
10500	40.56	0	100	H	39.28	16.87	38.37	58.33	84	-25.67	PK
10500	29.39	0	100	H	39.28	16.87	38.37	47.16	64	-16.84	AV
10500	40.47	0	100	V	39.28	16.87	38.37	58.24	84	-25.76	PK
10500	29.08	0	100	V	39.28	16.87	38.37	46.85	64	-17.15	AV
Channel 5250 MHz VHT160 mode power setting: 17											
10500	40.07	0	100	H	39.28	16.87	38.37	57.84	84	-26.16	PK
10500	28.36	0	100	H	39.28	16.87	38.37	46.13	64	-17.87	AV
10500	39.97	0	100	V	39.28	16.87	38.37	57.74	84	-26.26	PK
10500	28.68	0	100	V	39.28	16.87	38.37	46.45	64	-17.55	AV
Channel 5250 MHz HE160 mode power setting: 17											
10500	41.80	0	100	H	39.28	16.87	38.37	59.57	84	-24.43	PK
10500	30.47	0	100	H	39.28	16.87	38.37	48.24	64	-15.76	AV
10500	41.38	0	100	V	39.28	16.87	38.37	59.15	84	-24.85	PK
10500	30.75	0	100	V	39.28	16.87	38.37	48.52	64	-15.48	AV

5250 - 5350 MHz XOR mode

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 5260 MHz Non HT20 mode power setting: 17											
10520	42.15	0	100	H	39.31	19.29	31.62	69.12	84	-14.88	PK
10520	31.78	0	100	H	39.31	19.29	31.62	58.75	64	-5.25	AV
10520	42.48	0	100	V	39.31	19.29	31.62	69.45	84	-14.55	PK
10520	31.31	0	100	V	39.31	19.29	31.62	58.28	64	-5.72	AV
Mid Channel 5300 MHz Non HT20 mode power setting: 17											
10600	42.43	0	100	H	39.34	19.29	32.58	68.48	84	-15.52	PK
10600	31.26	0	100	H	39.34	19.29	32.58	57.31	64	-6.69	AV
10600	41.76	0	100	V	39.34	19.29	32.58	67.81	84	-16.19	PK
10600	31.36	0	100	V	39.34	19.29	32.58	57.41	64	-6.59	AV
High Channel 5320MHz Non HT20 mode power setting: 17											
10640	42.04	0	100	H	39.34	19.29	32.58	68.09	84	-15.91	PK
10640	31.83	0	100	H	39.34	19.29	32.58	57.88	64	-6.12	AV
10640	42.44	0	100	V	39.34	19.29	32.58	68.49	84	-15.51	PK
10640	31.61	0	100	V	39.34	19.29	32.58	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/ISEDC		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBµV/m)	Margin (dB)	
Low Channel 5260 MHz HT/VHT20 mode power setting: 17											
10520	42.81	0	100	H	39.31	19.29	31.62	69.78	84	-14.22	PK
10520	31.30	0	100	H	39.31	19.29	31.62	58.27	64	-5.73	AV
10520	42.82	0	100	V	39.31	19.29	31.62	69.79	84	-14.21	PK
10520	31.13	0	100	V	39.31	19.29	31.62	58.10	64	-5.90	AV
Mid Channel 5300 MHz HT/VHT20 mode power setting: 17											
10600	41.78	0	100	H	39.34	19.29	32.58	67.83	84	-16.17	PK
10600	31.45	0	100	H	39.34	19.29	32.58	57.50	64	-6.50	AV
10600	42.77	0	100	V	39.34	19.29	32.58	68.82	84	-15.18	PK
10600	30.88	0	100	V	39.34	19.29	32.58	56.92	64	-7.08	AV
High Channel 5320 MHz HT/VHT20 mode power setting: 17											
10640	42.67	0	100	H	39.34	19.29	32.58	68.72	84	-15.28	PK
10640	31.62	0	100	H	39.34	19.29	32.58	57.67	64	-6.33	AV
10640	42.94	0	100	V	39.34	19.29	32.58	68.99	84	-15.01	PK
10640	30.90	0	100	V	39.34	19.29	32.58	56.95	64	-7.05	AV

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 5260 MHz HE20 mode power setting: 17											
10520	42.38	0	100	H	39.31	19.29	31.62	69.35	84	-14.65	PK
10520	30.38	0	100	H	39.31	19.29	31.62	57.35	64	-6.65	AV
10520	41.98	0	100	V	39.31	19.29	31.62	68.95	84	-15.05	PK
10520	30.59	0	100	V	39.31	19.29	31.62	57.56	64	-6.44	AV
Mid Channel 5300 MHz HE20 mode power setting: 17											
10600	41.71	0	100	H	39.34	19.29	32.58	67.76	84	-16.24	PK
10600	30.62	0	100	H	39.34	19.29	32.58	56.67	64	-7.33	AV
10600	41.94	0	100	V	39.34	19.29	32.58	67.99	84	-16.01	PK
10600	30.52	0	100	V	39.34	19.29	32.58	56.57	64	-7.43	AV
High Channel 5320 MHz HE20 mode power setting: 17											
10640	42.15	0	100	H	39.34	19.29	32.58	68.20	84	-15.80	PK
10640	30.83	0	100	H	39.34	19.29	32.58	56.88	64	-7.12	AV
10640	42.34	0	100	V	39.34	19.29	32.58	68.39	84	-15.61	PK
10640	30.79	0	100	V	39.34	19.29	32.58	56.84	64	-7.16	AV

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 5270 MHz Non HT40 mode power setting: 17											
10540	43.43	0	100	H	39.31	19.29	31.62	70.40	84	-13.60	PK
10540	31.58	0	100	H	39.31	19.29	31.62	58.55	64	-5.46	AV
10540	43.08	0	100	V	39.31	19.29	31.62	70.05	84	-13.95	PK
10540	31.73	0	100	V	39.31	19.29	31.62	58.70	64	-5.30	AV
High Channel 5310 MHz Non HT40 mode power setting: 17											
10620	41.79	0	100	H	39.34	19.29	32.58	67.84	84	-16.16	PK
10620	30.32	0	100	H	39.34	19.29	32.58	56.36	64	-7.64	AV
10620	41.42	0	100	V	39.34	19.29	32.58	67.47	84	-16.53	PK
10620	30.28	0	100	V	39.34	19.29	32.58	56.32	64	-7.68	AV

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 5270 MHz HT/VHT40 mode power setting: 17											
10540	42.57	0	100	H	39.31	19.29	31.62	69.54	84	-14.46	PK
10540	31.32	0	100	H	39.31	19.29	31.62	58.29	64	-5.71	AV
10540	42.52	0	100	V	39.31	19.29	31.62	69.49	84	-14.51	PK
10540	31.40	0	100	V	39.31	19.29	31.62	58.37	64	-5.63	AV
High Channel 5310 MHz HT/VHT40 mode power setting: 17											
10620	40.90	0	100	H	39.34	19.29	32.58	66.95	84	-17.05	PK
10620	30.24	0	100	H	39.34	19.29	32.58	56.28	64	-7.72	AV
10620	41.81	0	100	V	39.34	19.29	32.58	67.86	84	-16.14	PK
10620	30.29	0	100	V	39.34	19.29	32.58	56.34	64	-7.66	AV

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 5270 MHz HE40 mode power setting: 17											
10540	41.76	0	100	H	39.31	19.29	31.62	68.73	84	-15.27	PK
10540	30.67	0	100	H	39.31	19.29	31.62	57.64	64	-6.36	AV
10540	42.65	0	100	V	39.31	19.29	31.62	69.62	84	-14.38	PK
10540	30.84	0	100	V	39.31	19.29	31.62	57.81	64	-6.19	AV
High Channel 5310 MHz HE40 mode power setting: 17											
10620	40.76	0	100	H	39.34	19.29	32.58	66.81	84	-17.19	PK
10620	29.69	0	100	H	39.34	19.29	32.58	55.74	64	-8.26	AV
10620	40.55	0	100	V	39.34	19.29	32.58	66.60	84	-17.40	PK
10620	29.81	0	100	V	39.34	19.29	32.58	55.86	64	-8.14	AV

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)	
High Channel 5290 MHz Non HT 80 mode power setting: 17											
10580	42.93	0	100	H	39.31	19.29	31.62	69.90	84	-14.10	PK
10580	31.48	0	100	H	39.31	19.29	31.62	58.45	64	-5.55	AV
10580	43.17	0	100	V	39.31	19.29	31.62	70.14	84	-13.86	PK
10580	31.40	0	100	V	39.31	19.29	31.62	58.37	64	-5.63	AV
High Channel 5290 MHz VHT80 mode power setting: 17											
10580	42.73	0	100	H	39.31	19.29	31.62	69.70	84	-14.30	PK
10580	31.61	0	100	H	39.31	19.29	31.62	58.58	64	-5.42	AV
10580	42.95	0	100	V	39.31	19.29	31.62	69.92	84	-14.08	PK
10580	31.64	0	100	V	39.31	19.29	31.62	58.61	64	-5.39	AV
High Channel 5290 MHz HE80 mode power setting: 17											
10580	41.80	0	100	H	39.31	19.29	31.62	68.77	84	-15.23	PK
10580	30.78	0	100	H	39.31	19.29	31.62	57.75	64	-6.25	AV
10580	41.59	0	100	V	39.31	19.29	31.62	68.56	84	-15.44	PK
10580	30.83	0	100	V	39.31	19.29	31.62	57.80	64	-6.20	AV

5470 - 5725 MHz XOR mode

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											
11000	42.58	0	100	H	39.71	20.09	33.70	68.69	84	-15.32	PK
11000	31.73	0	100	H	39.71	20.09	33.70	57.84	64	-6.17	AV
11000	43.23	0	100	V	39.71	20.09	33.70	69.34	84	-14.67	PK
11000	32.58	0	100	V	39.71	20.09	33.70	58.69	64	-5.31	AV
Mid Channel 5580 MHz Non HT20 mode power setting: 17											
11160	43.16	0	100	H	39.96	20.09	33.84	69.37	84	-14.63	PK
11160	32.65	0	100	H	39.96	20.09	33.84	58.87	64	-5.13	AV
11160	42.89	0	100	V	39.96	20.09	33.84	69.10	84	-14.90	PK
11160	32.20	0	100	V	39.96	20.09	33.84	58.42	64	-5.58	AV
High Channel 5700 MHz Non HT20 mode power setting: 17											
11400	42.23	0	100	H	40.65	20.18	34.34	68.72	84	-15.28	PK
11400	30.82	0	100	H	40.65	20.18	34.34	57.31	64	-6.69	AV
11400	42.37	0	100	V	40.65	20.18	34.34	68.86	84	-15.14	PK
11400	31.91	0	100	V	40.65	20.18	34.34	58.40	64	-5.60	AV
High Channel 5720 MHz Non HT20 mode power setting: 17											
11460	42.76	0	100	H	40.63	20.18	34.34	69.23	84	-14.77	PK
11460	30.62	0	100	H	40.63	20.18	34.34	57.09	64	-6.91	AV
11460	41.64	0	100	V	40.63	20.18	34.34	68.11	84	-15.89	PK
11460	30.93	0	100	V	40.63	20.18	34.34	57.40	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/ISEDC		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBµV/m)	Margin (dB)	
Low Channel 5500 MHz HT/VHT20 mode power setting: 17											
11000	43.25	0	100	H	39.71	20.09	33.70	69.36	84	-14.65	PK
11000	31.75	0	100	H	39.71	20.09	33.70	57.86	64	-6.14	AV
11000	42.73	0	100	V	39.71	20.09	33.70	68.84	84	-15.17	PK
11000	32.42	0	100	V	39.71	20.09	33.70	58.52	64	-5.48	AV
Mid Channel 5580 MHz HT/VHT20 mode power setting: 17											
11160	42.34	0	100	H	39.96	20.09	33.84	68.55	84	-15.45	PK
11160	31.88	0	100	H	39.96	20.09	33.84	58.09	64	-5.91	AV
11160	43.25	0	100	V	39.96	20.09	33.84	69.46	84	-14.54	PK
11160	31.67	0	100	V	39.96	20.09	33.84	57.88	64	-6.12	AV
High Channel 5700 MHz HT/VHT20 mode power setting: 17											
11400	42.92	0	100	H	40.65	20.18	34.34	69.41	84	-14.59	PK
11400	30.61	0	100	H	40.65	20.18	34.34	57.11	64	-6.89	AV
11400	42.30	0	100	V	40.65	20.18	34.34	68.79	84	-15.21	PK
11400	30.39	0	100	V	40.65	20.18	34.34	56.88	64	-7.12	AV
High Channel 5720 MHz HT/VHT20 mode power setting: 17											
11460	41.83	0	100	H	40.63	20.18	34.34	68.30	84	-15.70	PK
11460	31.41	0	100	H	40.63	20.18	34.34	57.87	64	-6.13	AV
11460	41.91	0	100	V	40.63	20.18	34.34	68.38	84	-15.62	PK
11460	31.28	0	100	V	40.63	20.18	34.34	57.74	64	-6.26	AV

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 HE20 mode power setting: 17											
11000	42.14	0	100	H	39.71	20.09	33.70	68.25	84	-15.76	PK
11000	31.57	0	100	H	39.71	20.09	33.70	57.68	64	-6.33	AV
11000	42.24	0	100	V	39.71	20.09	33.70	68.35	84	-15.66	PK
11000	30.98	0	100	V	39.71	20.09	33.70	57.09	64	-6.92	AV
Mid Channel 5580 MHz HE20 mode power setting: 17											
11160	41.95	0	100	H	39.84	20.09	33.84	68.04	84	-15.96	PK
11160	30.59	0	100	H	39.84	20.09	33.84	56.68	64	-7.32	AV
11100	41.38	0	100	V	39.84	20.09	33.84	67.47	84	-16.53	PK
11100	30.87	0	100	V	39.84	20.09	33.84	56.96	64	-7.04	AV
High Channel 5700 MHz HE20 mode power setting: 17											
11400	41.57	0	100	H	40.48	20.09	34.16	67.99	84	-16.01	PK
11400	30.14	0	100	H	40.48	20.09	34.16	56.56	64	-7.44	AV
11400	41.23	0	100	V	40.48	20.09	34.16	67.65	84	-16.35	PK
11400	31.07	0	100	V	40.48	20.09	34.16	57.49	64	-6.51	AV
High Channel 5720 MHz HE20 mode power setting: 17											
11460	41.04	0	100	H	40.65	20.18	34.34	67.53	84	-16.47	PK
11460	30.04	0	100	H	40.65	20.18	34.34	56.53	64	-7.47	AV
11460	40.19	0	100	V	40.65	20.18	34.34	66.68	84	-17.32	PK
11460	29.32	0	100	V	40.65	20.18	34.34	55.81	64	-8.19	AV

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 5510 MHz Non HT40 mode power setting: 17											
11020	42.11	0	100	H	39.71	20.09	33.70	68.22	84	-15.79	PK
11020	31.49	0	100	H	39.71	20.09	33.70	57.60	64	-6.40	AV
11020	41.82	0	100	V	39.71	20.09	33.70	67.93	84	-16.08	PK
11020	31.66	0	100	V	39.71	20.09	33.70	57.76	64	-6.24	AV
Mid Channel 5550 MHz Non HT40 mode power setting: 17											
11100	42.96	0	100	H	39.84	20.09	33.84	69.05	84	-14.95	PK
11100	31.83	0	100	H	39.84	20.09	33.84	57.92	64	-6.08	AV
11100	42.38	0	100	V	39.84	20.09	33.84	68.47	84	-15.53	PK
11100	31.90	0	100	V	39.84	20.09	33.84	58.00	64	-6.00	AV
High Channel 5670 MHz Non HT40 mode power setting: 17											
11340	42.33	0	100	H	40.48	20.09	34.16	68.75	84	-15.25	PK
11340	31.21	0	100	H	40.48	20.09	34.16	57.63	64	-6.37	AV
11340	42.39	0	100	V	40.48	20.09	34.16	68.81	84	-15.19	PK
11340	31.39	0	100	V	40.48	20.09	34.16	57.80	64	-6.20	AV
High Channel 5710 MHz Non HT40 mode power setting: 17											
11420	41.52	0	100	H	40.65	20.18	34.34	68.01	84	-15.99	PK
11420	30.19	0	100	H	40.65	20.18	34.34	56.68	64	-7.32	AV
11420	40.91	0	100	V	40.65	20.18	34.34	67.40	84	-16.60	PK
11420	30.56	0	100	V	40.65	20.18	34.34	57.05	64	-6.95	AV

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 5510 MHz HT/VHT40 mode power setting: 17											
11020	42.68	0	100	H	39.71	20.09	33.70	68.79	84	-15.22	PK
11020	31.39	0	100	H	39.71	20.09	33.70	57.50	64	-6.50	AV
11020	43.03	0	100	V	39.71	20.09	33.70	69.14	84	-14.87	PK
11020	31.51	0	100	V	39.71	20.09	33.70	57.62	64	-6.39	AV
Mid Channel 5550 MHz HT/VHT40 mode power setting: 17											
11100	42.96	0	100	H	39.84	20.09	33.84	69.05	84	-14.95	PK
11100	31.85	0	100	H	39.84	20.09	33.84	57.94	64	-6.06	AV
11100	43.25	0	100	V	39.84	20.09	33.84	69.34	84	-14.66	PK
11100	31.61	0	100	V	39.84	20.09	33.84	57.71	64	-6.29	AV
High Channel 5670 MHz HT/VHT40 mode power setting: 17											
11340	41.74	0	100	H	40.48	20.09	34.16	68.16	84	-15.84	PK
11340	30.99	0	100	H	40.48	20.09	34.16	57.40	64	-6.60	AV
11340	42.43	0	100	V	40.48	20.09	34.16	68.85	84	-15.15	PK
11340	31.12	0	100	V	40.48	20.09	34.16	57.53	64	-6.47	AV
High Channel 5710 MHz HT/VHT40 mode power setting: 17											
11420	41.89	0	100	H	40.65	20.18	34.34	68.38	84	-15.62	PK
11420	30.80	0	100	H	40.65	20.18	34.34	57.30	64	-6.70	AV
11420	42.19	0	100	V	40.65	20.18	34.34	68.68	84	-15.32	PK
11420	31.08	0	100	V	40.65	20.18	34.34	57.58	64	-6.42	AV

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 5510 MHz HE40 mode power setting: 17											
11020	42.40	0	100	H	39.71	20.09	33.70	68.51	84	-15.50	PK
11020	31.02	0	100	H	39.71	20.09	33.70	57.13	64	-6.88	AV
11020	41.96	0	100	V	39.71	20.09	33.70	68.07	84	-15.94	PK
11020	31.18	0	100	V	39.71	20.09	33.70	57.29	64	-6.72	AV
Mid Channel 5550 MHz HE40 mode power setting: 17											
11100	43.03	0	100	H	39.84	20.09	33.84	69.12	84	-14.88	PK
11100	31.51	0	100	H	39.84	20.09	33.84	57.60	64	-6.40	AV
11100	43.53	0	100	V	39.84	20.09	33.84	69.62	84	-14.38	PK
11100	31.37	0	100	V	39.84	20.09	33.84	57.46	64	-6.54	AV
High Channel 5670 MHz HE40 mode power setting: 17											
11340	43.13	0	100	H	40.48	20.09	34.16	69.55	84	-14.45	PK
11340	31.75	0	100	H	40.48	20.09	34.16	58.17	64	-5.83	AV
11340	42.90	0	100	V	40.48	20.09	34.16	69.32	84	-14.68	PK
11340	31.76	0	100	V	40.48	20.09	34.16	58.18	64	-5.82	AV
High Channel 5710 MHz HE40 mode power setting: 17											
11420	42.69	0	100	H	40.65	20.18	34.34	69.18	84	-14.82	PK
11420	30.81	0	100	H	40.65	20.18	34.34	57.31	64	-6.69	AV
11420	41.83	0	100	V	40.65	20.18	34.34	68.32	84	-15.68	PK
11420	30.92	0	100	V	40.65	20.18	34.34	57.41	64	-6.59	AV

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 5530 MHz Non HT 80 mode power setting: 17											
11060	44.07	0	100	H	39.76	20.18	33.70	70.31	84	-13.69	PK
11060	32.78	0	100	H	39.76	20.18	33.70	59.02	64	-4.98	AV
11060	44.70	0	100	V	39.76	20.18	33.70	70.94	84	-13.06	PK
11060	33.25	0	100	V	39.76	20.18	33.70	59.49	64	-4.51	AV
Mid Channel 5610 MHz Non HT 80 mode power setting: 17											
11220	44.52	0	100	H	40.14	20.18	34.00	70.85	84	-13.15	PK
11220	32.30	0	100	H	40.14	20.18	34.00	58.63	64	-5.37	AV
11220	44.88	0	100	V	40.14	20.18	34.00	71.21	84	-12.79	PK
11220	33.15	0	100	V	40.14	20.18	34.00	59.48	64	-4.52	AV
High Channel 5690 MHz Non HT 80 mode power setting: 17											
11380	42.27	0	100	H	40.60	20.18	34.16	68.90	84	-15.10	PK
11380	31.18	0	100	H	40.60	20.18	34.16	57.81	64	-6.19	AV
11380	41.36	0	100	V	40.60	20.18	34.16	67.99	84	-16.01	PK
11380	30.33	0	100	V	40.60	20.18	34.16	56.95	64	-7.05	AV

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 5530 MHz VHT 80 mode power setting: 17											
11060	43.92	0	100	H	39.76	20.18	33.70	70.16	84	-13.84	PK
11060	31.91	0	100	H	39.76	20.18	33.70	58.15	64	-5.86	AV
11060	44.39	0	100	V	39.76	20.18	33.70	70.63	84	-13.37	PK
11060	31.96	0	100	V	39.76	20.18	33.70	58.20	64	-5.80	AV
Mid Channel 5610 MHz VHT 80 mode power setting: 17											
11220	43.62	0	100	H	40.14	20.18	34.00	69.95	84	-14.05	PK
11220	31.84	0	100	H	40.14	20.18	34.00	58.17	64	-5.83	AV
11220	42.88	0	100	V	40.14	20.18	34.00	69.21	84	-14.79	PK
11220	31.30	0	100	V	40.14	20.18	34.00	57.62	64	-6.38	AV
High Channel 5690 MHz VHT 80 mode power setting: 17											
11380	43.11	0	100	H	40.60	20.18	34.16	69.74	84	-14.26	PK
11380	31.70	0	100	H	40.60	20.18	34.16	58.33	64	-5.67	AV
11380	43.23	0	100	V	40.60	20.18	34.16	69.86	84	-14.14	PK
11380	29.84	0	100	V	40.60	20.18	34.16	56.47	64	-7.53	AV

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 5530 MHz HE 80 mode power setting: 17											
11060	43.45	0	100	H	39.76	20.18	33.70	69.69	84	-14.31	PK
11060	32.15	0	100	H	39.76	20.18	33.70	58.39	64	-5.61	AV
11060	43.46	0	100	V	39.76	20.18	33.70	69.70	84	-14.30	PK
11060	32.32	0	100	V	39.76	20.18	33.70	58.56	64	-5.44	AV
Mid Channel 5610 MHz HE 80 mode power setting: 17											
11220	42.74	0	100	H	40.14	20.18	34.00	69.07	84	-14.93	PK
11220	31.40	0	100	H	40.14	20.18	34.00	57.73	64	-6.27	AV
11220	43.04	0	100	V	40.14	20.18	34.00	69.37	84	-14.63	PK
11220	31.28	0	100	V	40.14	20.18	34.00	57.61	64	-6.39	AV
High Channel 5690 MHz HE 80 mode power setting: 17											
11380	42.03	0	100	H	40.60	20.18	34.16	68.66	84	-15.34	PK
11380	30.16	0	100	H	40.60	20.18	34.16	56.79	64	-7.21	AV
11380	41.26	0	100	V	40.60	20.18	34.16	67.89	84	-16.11	PK
11380	30.36	0	100	V	40.60	20.18	34.16	56.99	64	-7.01	AV

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)	
Channel 5570 MHz Non HT160 mode power setting: 17											
11140	42.24	0	100	H	40.60	20.18	33.84	69.19	84	-14.81	PK
11140	31.60	0	100	H	40.60	20.18	33.84	58.55	64	-5.45	AV
11140	42.73	0	100	V	40.60	20.18	33.84	69.68	84	-14.32	PK
11140	31.91	0	100	V	40.60	20.18	33.84	58.86	64	-5.15	AV
Channel 5570 MHz VHT160 mode power setting: 17											
11140	42.62	0	100	H	40.60	20.18	33.84	69.57	84	-14.43	PK
11140	32.30	0	100	H	40.60	20.18	33.84	59.25	64	-4.75	AV
11140	42.45	0	100	V	40.60	20.18	33.84	69.40	84	-14.60	PK
11140	31.78	0	100	V	40.60	20.18	33.84	58.72	64	-5.28	AV
Channel 5570 MHz HE160 mode power setting: 17											
11140	42.83	0	100	H	40.60	20.18	33.84	69.78	84	-14.22	PK
11140	32.10	0	100	H	40.60	20.18	33.84	59.05	64	-4.95	AV
11140	42.94	0	100	V	40.60	20.18	33.84	69.89	84	-14.11	PK
11140	31.78	0	100	V	40.60	20.18	33.84	58.73	64	-5.27	AV

5725 - 5850 MHz XOR mode

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 5745 MHz Non HT20 mode power setting: 17											
11490	42.03	0	100	H	40.63	22.31	37.74	67.22	84	-16.78	PK
11490	31.22	0	100	H	40.63	22.31	37.74	56.41	64	-7.59	AV
11490	42.09	0	100	V	40.63	22.31	37.74	67.28	84	-16.72	PK
11490	29.81	0	100	V	40.63	22.31	37.74	55.01	64	-8.99	AV
Mid Channel 5785 MHz Non HT20 mode power setting: 17											
11570	41.54	0	100	H	40.57	22.42	37.97	66.56	84	-17.44	PK
11570	30.86	0	100	H	40.57	22.42	37.97	55.88	64	-8.12	AV
11570	42.25	0	100	V	40.57	22.42	37.97	67.27	84	-16.73	PK
11570	30.06	0	100	V	40.57	22.42	37.97	55.08	64	-8.92	AV
High Channel 5825 MHz Non HT20 mode power setting: 17											
11650	43.25	0	100	H	40.60	22.42	38.32	67.95	84	-16.06	PK
11650	32.32	0	100	H	40.60	22.42	38.32	57.02	64	-6.98	AV
11650	41.39	0	100	V	40.60	22.42	38.32	66.09	84	-17.92	PK
11650	30.55	0	100	V	40.60	22.42	38.32	55.25	64	-8.75	AV

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 5745 MHz HT/VHT20 mode power setting: 17											
11490	42.62	0	100	H	40.63	22.31	38.31	67.25	84	-16.75	PK
11490	31.42	0	100	H	40.63	22.31	38.31	56.05	64	-7.96	AV
11490	42.49	0	100	V	40.63	22.31	38.31	67.12	84	-16.88	PK
11490	31.50	0	100	V	40.63	22.31	38.31	56.13	64	-7.87	AV
Mid Channel 5785 MHz HT/VHT20 mode power setting: 17											
11570	42.04	0	100	H	40.57	22.42	37.97	67.06	84	-16.94	PK
11570	31.73	0	100	H	40.57	22.42	37.97	56.75	64	-7.25	AV
11570	42.70	0	100	V	40.57	22.42	37.97	67.72	84	-16.28	PK
11570	31.53	0	100	V	40.57	22.42	37.97	56.55	64	-7.46	AV
High Channel 5825 MHz HT/VHT20 mode power setting: 17											
11650	42.83	0	100	H	40.60	22.42	38.32	67.53	84	-16.48	PK
11650	32.07	0	100	H	40.60	22.42	38.32	56.76	64	-7.24	AV
11650	42.97	0	100	V	40.60	22.42	38.32	67.67	84	-16.33	PK
11650	32.11	0	100	V	40.60	22.42	38.32	56.80	64	-7.20	AV

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 5745 MHz HE20 mode power setting: 17											
11490	42.48	0	100	H	40.63	22.31	38.31	67.11	84	-16.89	PK
11490	31.02	0	100	H	40.63	22.31	38.31	55.65	64	-8.35	AV
11490	41.47	0	100	V	40.63	22.31	38.31	66.10	84	-17.90	PK
11490	31.12	0	100	V	40.63	22.31	38.31	55.75	64	-8.25	AV
Mid Channel 5785 MHz HE20 mode power setting: 17											
11570	42.22	0	100	H	40.57	22.42	37.97	67.24	84	-16.76	PK
11570	30.92	0	100	H	40.57	22.42	37.97	55.94	64	-8.06	AV
11570	42.55	0	100	V	40.57	22.42	37.97	67.57	84	-16.43	PK
11570	30.72	0	100	V	40.57	22.42	37.97	55.74	64	-8.26	AV
High Channel 5825 MHz HE20 mode power setting: 17											
11650	42.04	0	100	H	40.60	22.42	38.32	66.74	84	-17.27	PK
11650	30.70	0	100	H	40.60	22.42	38.32	55.40	64	-8.61	AV
11650	42.14	0	100	V	40.60	22.42	38.32	66.84	84	-17.17	PK
11650	30.81	0	100	V	40.60	22.42	38.32	55.51	64	-8.50	AV

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 5755 MHz Non HT40 mode power setting: 17											
11510	43.00	0	100	H	40.50	22.45	37.97	67.98	84	-16.02	PK
11510	31.51	0	100	H	40.50	22.45	37.97	56.49	64	-7.51	AV
11510	42.86	0	100	V	40.50	22.45	37.97	67.84	84	-16.16	PK
11510	32.09	0	100	V	40.50	22.45	37.97	57.07	64	-6.93	AV
High Channel 5795 MHz Non HT40 mode power setting: 17											
11590	42.93	0	100	H	40.55	22.45	38.32	67.61	84	-16.39	PK
11590	31.62	0	100	H	40.55	22.45	38.32	56.30	64	-7.70	AV
11590	42.41	0	100	V	40.55	22.45	38.32	67.09	84	-16.91	PK
11590	30.82	0	100	V	40.55	22.45	38.32	55.50	64	-8.50	AV

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 5755 MHz HT/VHT40 mode power setting: 17											
11510	42.70	0	100	H	40.50	22.45	37.97	67.68	84	-16.32	PK
11510	31.94	0	100	H	40.50	22.45	37.97	56.92	64	-7.09	AV
11510	42.77	0	100	V	40.50	22.45	37.97	67.75	84	-16.25	PK
11510	31.92	0	100	V	40.50	22.45	37.97	56.90	64	-7.10	AV
High Channel 5795 MHz HT/VHT40 mode power setting: 17											
11590	42.58	0	100	H	40.55	22.45	38.32	67.26	84	-16.74	PK
11590	31.60	0	100	H	40.55	22.45	38.32	56.28	64	-7.72	AV
11590	42.62	0	100	V	40.55	22.45	38.32	67.30	84	-16.70	PK
11590	31.58	0	100	V	40.55	22.45	38.32	56.26	64	-7.74	AV

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 5755 MHz HE40 mode power setting: 17											
11510	42.60	0	100	H	40.50	22.45	37.97	67.58	84	-16.42	PK
11510	30.60	0	100	H	40.50	22.45	37.97	55.58	64	-8.42	AV
11510	41.78	0	100	V	40.50	22.45	37.97	66.76	84	-17.24	PK
11510	30.82	0	100	V	40.50	22.45	37.97	55.80	64	-8.20	AV
High Channel 5795 MHz HE40 mode power setting: 17											
11590	42.67	0	100	H	40.55	22.45	38.32	67.35	84	-16.65	PK
11590	31.45	0	100	H	40.55	22.45	38.32	56.13	64	-7.87	AV
11590	42.89	0	100	V	40.55	22.45	38.32	67.57	84	-16.43	PK
11590	31.27	0	100	V	40.55	22.45	38.32	55.95	64	-8.05	AV

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)	
High Channel 5775 MHz Non HT 80 mode power setting: 17											
11550	42.45	0	100	H	40.57	22.45	37.97	67.51	84	-16.50	PK
11550	31.67	0	100	H	40.57	22.45	37.97	56.72	64	-7.28	AV
11550	42.13	0	100	V	40.57	22.45	37.97	67.19	84	-16.82	PK
11550	31.62	0	100	V	40.57	22.45	37.97	56.68	64	-7.32	AV
High Channel 5775 MHz VHT80 mode power setting: 17											
11550	42.33	0	100	H	40.57	22.45	37.97	67.39	84	-16.62	PK
11550	31.42	0	100	H	40.57	22.45	37.97	56.48	64	-7.52	AV
11550	42.19	0	100	V	40.57	22.45	37.97	67.25	84	-16.76	PK
11550	31.82	0	100	V	40.57	22.45	37.97	56.87	64	-7.13	AV
High Channel 5775 MHz HE80 mode power setting: 17											
11550	42.06	0	100	H	40.57	22.45	37.97	67.12	84	-16.89	PK
11550	31.23	0	100	H	40.57	22.45	37.97	56.29	64	-7.72	AV
11550	42.59	0	100	V	40.57	22.45	37.97	67.65	84	-16.36	PK
11550	31.82	0	100	V	40.57	22.45	37.97	56.87	64	-7.13	AV

5150 - 5250 MHz AUX mode

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 5180 MHz Non HT20 mode power setting: 20											
10360	39.42	0	100	H	39.24	16.54	30.09	65.11	84	-18.89	PK
10360	28.10	0	100	H	39.24	16.54	30.09	53.80	64	-10.20	AV
10360	38.83	0	100	V	39.24	16.54	30.09	64.52	84	-19.48	PK
10360	29.28	0	100	V	39.24	16.54	30.09	54.97	64	-9.03	AV
Mid Channel 5220 MHz Non HT20 mode power setting: 20											
10440	38.55	0	100	H	39.28	16.87	30.61	64.08	84	-19.92	PK
10440	28.72	0	100	H	39.28	16.87	30.61	54.26	64	-9.74	AV
10440	38.88	0	100	V	39.28	16.87	30.61	64.41	84	-19.59	PK
10440	28.01	0	100	V	39.28	16.87	30.61	53.54	64	-10.46	AV
High Channel 5240 MHz Non HT20 mode power setting: 20											
10480	39.66	0	100	H	39.31	16.87	30.61	65.22	84	-18.78	PK
10480	28.16	0	100	H	39.31	16.87	30.61	53.72	64	-10.28	AV
10480	39.50	0	100	V	39.31	16.87	30.61	65.06	84	-18.94	PK
10480	27.64	0	100	V	39.31	16.87	30.61	53.20	64	-10.81	AV

5250 - 5350 MHz AUX mode

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 5260 MHz Non HT20 mode power setting: 20											
10520	42.04	0	100	H	39.31	19.29	31.62	69.01	84	-14.99	PK
10520	31.33	0	100	H	39.31	19.29	31.62	58.30	64	-5.70	AV
10520	42.40	0	100	V	39.31	19.29	31.62	69.37	84	-14.63	PK
10520	31.51	0	100	V	39.31	19.29	31.62	58.48	64	-5.52	AV
Mid Channel 5300 MHz Non HT20 mode power setting: 20											
10600	41.72	0	100	H	39.34	19.29	32.58	67.77	84	-16.23	PK
10600	30.81	0	100	H	39.34	19.29	32.58	56.85	64	-7.15	AV
10600	42.11	0	100	V	39.34	19.29	32.58	68.16	84	-15.84	PK
10600	30.98	0	100	V	39.34	19.29	32.58	57.02	64	-6.98	AV
High Channel 5320MHz Non HT20 mode power setting: 20											
10640	42.74	0	100	H	39.34	19.29	32.58	68.79	84	-15.21	PK
10640	30.94	0	100	H	39.34	19.29	32.58	56.98	64	-7.02	AV
10640	42.11	0	100	V	39.34	19.29	32.58	68.16	84	-15.84	PK
10640	31.19	0	100	V	39.34	19.29	32.58	57.23	64	-6.77	AV

5470 - 5725 MHz AUX mode

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: 20											
11000	43.36	0	100	H	39.71	20.09	38.61	64.56	84	-19.45	PK
11000	32.41	0	100	H	39.71	20.09	38.61	53.60	64	-10.40	AV
11000	43.88	0	100	V	39.71	20.09	38.61	65.08	84	-18.93	PK
11000	32.19	0	100	V	39.71	20.09	38.61	53.38	64	-10.62	AV
Mid Channel 5580 MHz Non HT20 mode power setting: 20											
11160	43.65	0	100	H	39.96	20.09	33.84	69.86	84	-14.14	PK
11160	33.01	0	100	H	39.96	20.09	33.84	59.22	64	-4.78	AV
11160	43.86	0	100	V	39.96	20.09	33.84	70.07	84	-13.93	PK
11160	32.68	0	100	V	39.96	20.09	33.84	58.89	64	-5.11	AV
High Channel 5700 MHz Non HT20 mode power setting: 20											
11400	43.42	0	100	H	40.65	20.18	34.34	69.91	84	-14.09	PK
11400	31.92	0	100	H	40.65	20.18	34.34	58.42	64	-5.58	AV
11400	43.92	0	100	V	40.65	20.18	34.34	70.41	84	-13.59	PK
11400	32.40	0	100	V	40.65	20.18	34.34	58.90	64	-5.10	AV
High Channel 5720 MHz Non HT20 mode power setting: 20											
11460	42.40	0	100	H	40.63	20.18	34.34	68.87	84	-15.13	PK
11460	30.51	0	100	H	40.63	20.18	34.34	56.98	64	-7.02	AV
11460	41.95	0	100	V	40.63	20.18	34.34	68.42	84	-15.58	PK
11460	30.87	0	100	V	40.63	20.18	34.34	57.34	64	-6.66	AV

5745 - 5825 MHz AUX mode

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 5745 MHz Non HT20 mode power setting: 20											
11490	42.05	0	100	H	40.63	22.31	37.74	67.24	84	-16.76	PK
11490	31.52	0	100	H	40.63	22.31	37.74	56.71	64	-7.29	AV
11490	42.53	0	100	V	40.63	22.31	37.74	67.72	84	-16.28	PK
11490	31.86	0	100	V	40.63	22.31	37.74	57.06	64	-6.94	AV
Mid Channel 5785 MHz Non HT20 mode power setting: 20											
11570	42.47	0	100	H	40.57	22.42	37.97	67.49	84	-16.51	PK
11570	31.37	0	100	H	40.57	22.42	37.97	56.39	64	-7.61	AV
11570	42.57	0	100	V	40.57	22.42	37.97	67.59	84	-16.41	PK
11570	31.19	0	100	V	40.57	22.42	37.97	56.21	64	-7.79	AV
High Channel 5825 MHz Non HT20 mode power setting: 20											
11650	42.85	0	100	H	40.60	22.42	38.32	67.55	84	-16.46	PK
11650	32.11	0	100	H	40.60	22.42	38.32	56.81	64	-7.20	AV
11650	42.76	0	100	V	40.60	22.42	38.32	67.46	84	-16.55	PK
11650	32.06	0	100	V	40.60	22.42	38.32	56.76	64	-7.24	AV

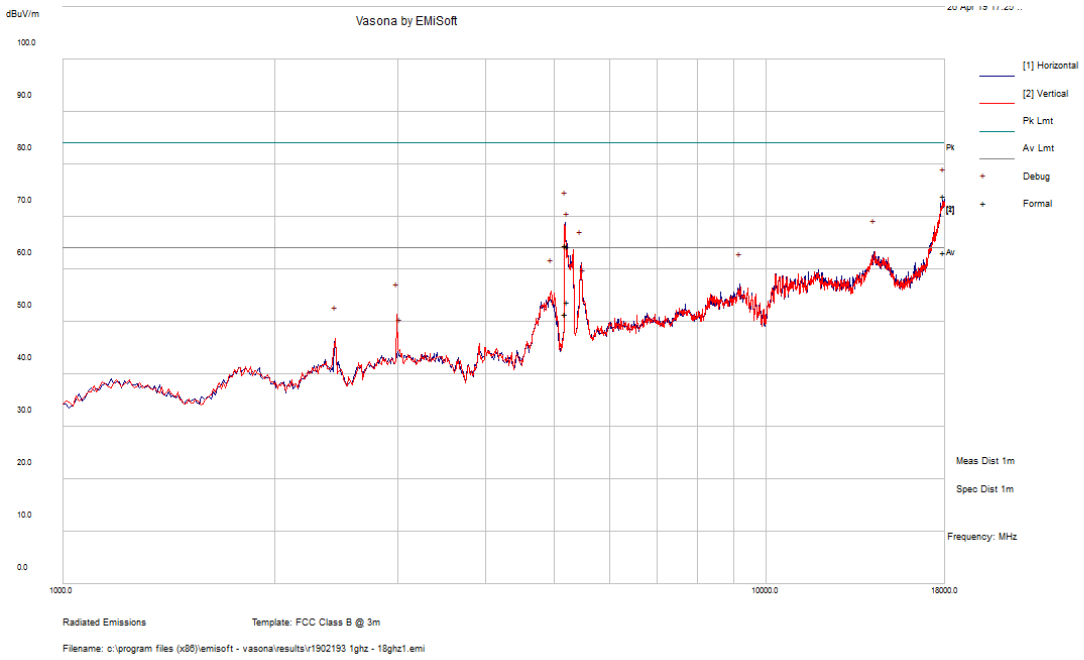
Note: Spurious emission above 12 GHz is the noise floor.

3) Co-location

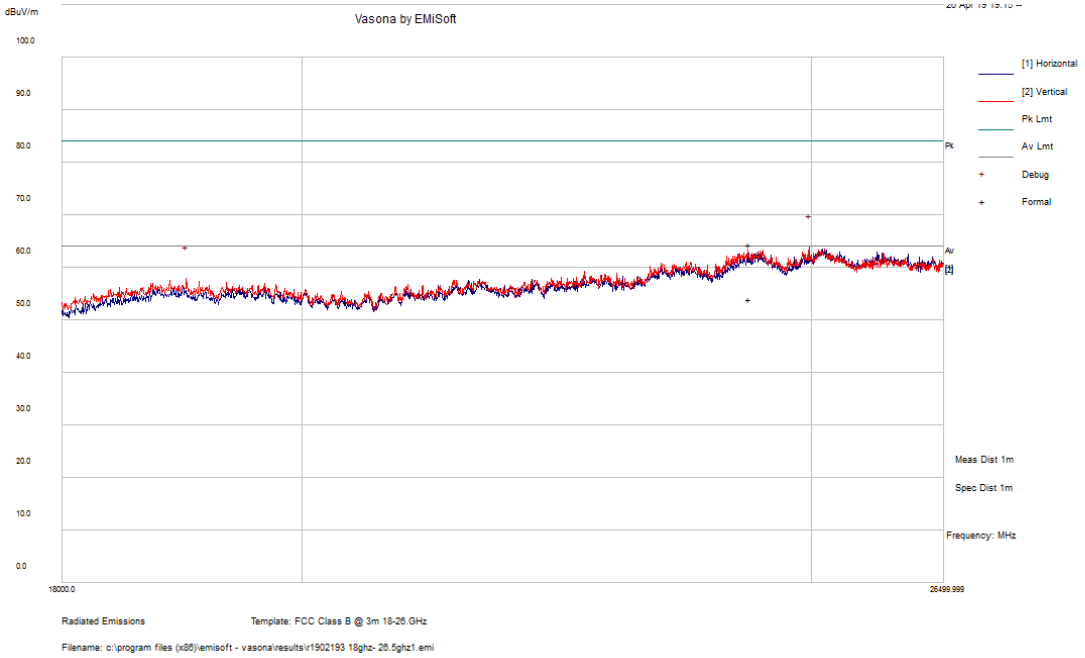
EUT configuration: BLE 2440 MHz, 5 GHz XOR Wi-Fi HT/VHT20 mode 5220MHz, 5 GHz AUX Wi-Fi Non HT20 mode 5180MHz and 5 GHz Wi-Fi VHT160 mode 5250 MHz

1 - 18 GHz Scan, measured at 1 meter

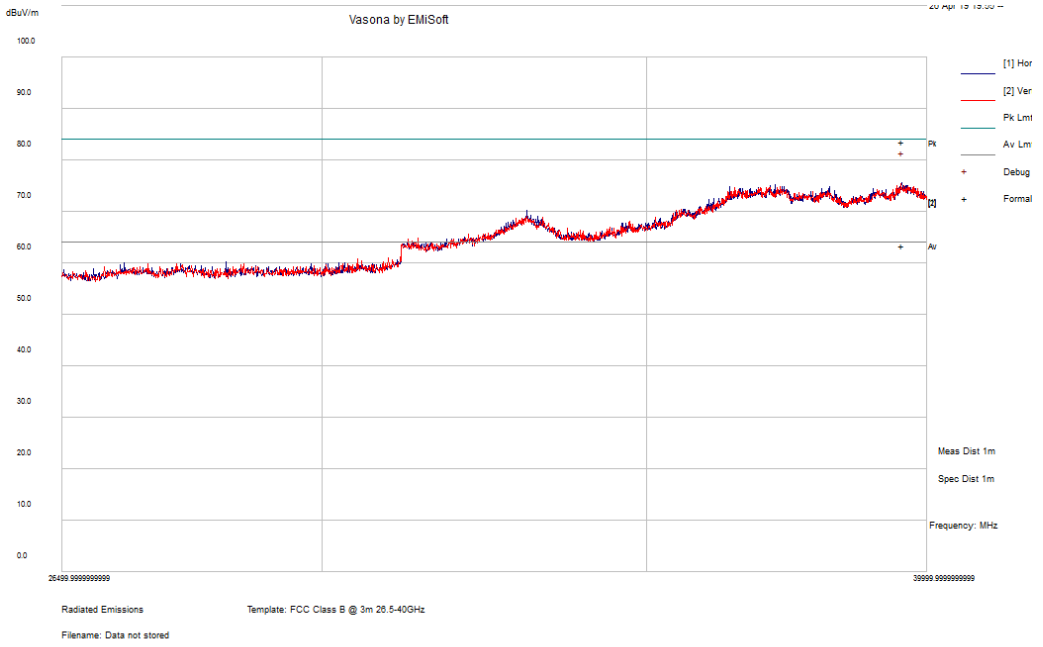
2.4 GHz and 5 GHz filters were added.



18 - 26.5 GHz Scan, measured at 1 meter



26.5 - 40 GHz Scan, measured at 1 meter



7 Appendix A- EUT Test Setup Photographs

Please refer to the attachment

8 Appendix B- EUT External Photographs

Please refer to the attachment

9 Appendix C- EUT Internal Photographs

Please refer to the attachment

10 Appendix D (Normative) - A2LA Electrical Testing Certificate

Accredited Laboratory

A2LA has accredited

BAY AREA COMPLIANCE LABORATORIES CORP.

Sunnyvale, CA

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets A2LA R222 - *Specific Requirements EPA ENERGY STAR Accreditation Program*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 2nd day of October 2018.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3297.02
Valid to September 30, 2020
Revised February 21, 2019

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

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

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

--- END OF REPORT ---