FCC PART 15.407

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LP0002-2018

TEST REPORT

FOR

Cisco Systems, Inc.

170 West Tasman Drive,
San Jose, CA 95134, USA

FCC ID: LDKROFSN2177
IC: 2461N-ROFSN2177

Report Type: Original Report	**Product Type:** Cisco Catalyst 9120AX Series Access Points

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ACCREDITED
CERTIFICATE #3297.02

Note: This test report was prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. This test report **shall not** be used by the customer to claim product certification, approval, or endorsement by A2LA or any agency of the United States Government or any foreign government.

* 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	R1910145-407	Original Report	2019-10-28

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: *C9120AXP-T*as referred to as EUT in this report. The product is an Cisco Catalyst 9120AX Series Access Points. Brand: Cisco

1.2 Mechanical Description of EUT

Length (cm)	Width (cm)	Height (cm)	Weight (g)
20	20	4	1150

1.3 Objective

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

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

1.4 Related Submittal(s)/Grant(s)

R1910145-247 Report

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 software used was Tera Term and the software is compliant with the standard requirements being tested against. Following are the test channels.

Regular 5G/5G XOR Radio:

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
	5710	17
	5720	17
	5745	17
	5755	17
	5775	17
	5785	17
	5795	17
	5825	17

5G AUX Radio (DART/TNC):

Modulation	Frequency (MHz)	Power Setting
802.11a	5180	17
	5220	17
	5240	17
	5260	17
	5300	17
	5320	17
	5500	17
	5580	17
	5700	17
	5720	17
	5745	17
	5785	17
	5825	17

Data Rates Tested:
802.11a Non HT mode: 6Mbps
802.11n/ac HT/VHT mode: m0/m0x1
802.11ac VHT mode: m0x1
802.11ax HE mode: m0h1
Note: Channel 5720, 5710, 5610, 5690 and 5570MHz are only for FCC.

2.3 Equipment Modifications

No equipment modifications are made to the EUT

2.4 Local Support Equipment

Manufacturer	Description	Model	Serial Number
Dell	Laptop	Latitude E6410	3CKRAQ1

2.5 Support Equipment

Manufacturer	Description	Model
Cisco	Power Supply	AIR-PWRINJ6 V01

2.6 Interface Ports and Cabling

Cable Description	Length (m)	Brand	Model	To	From
Ethernet cable	2 m	BACL	BACL-LAN	PoE	EUT
Ethernet-serial-USB cable	2 m	BACL	BACL-LAN to USB	EUT	Laptop

3 Summary of Test Results

FCC, ISED Rules	Description of Test	Result
FCC §15.207 and ISEDC RSS GEN §8.8 LP0002-2018	AC Power Line Conducted Emissions	Compliant
FCC §2.1053, §15.205, §15.209, 15.407(b) ISEDC RSS-247 §6.2 LP0002-2018	Radiated Spurious Emissions	Compliant

Note: The test data is shared from R1909242-407 report because C9120AXE and C9120AXP are the identical units except the antennas, and the test was done with antenna ports terminated.

4 FCC §15.207 & ISEDC RSS-Gen §8.8 - AC Power Line Conducted Emissions

4.1 Applicable Standards

As per FCC §15.207 and ISEDC RSS GEN §8.8

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 [1]	56 to 46 [2]
0.5-5	56	46
5-30	60	50

Note[1]: Decreases with the logarithm of the frequency.
Note[2]: A linear average detector is required.

4.2 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 ISEDC RSS GEN §8.8.

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

4.3 Test Procedure

During the conducted emissions test, the power cord of the EUT host system was connected to the main 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 “QP.” Average readings are distinguished with “Ave”.

4.4 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

4.5 Test Equipment List and Details

Manufacturer	Description	Model No.	Serial No.	Calibration Date	Calibration Interval
Rohde and Schwarz	Receiver, EMI Test	ESCI 1166.5950.03	100338	2018-07-05	2 years
Rohde and Schwarz	Impulse Limiter	ESH3-Z2	101964	2019-07-31	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	2019-04-11	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".*

4.6 Test Environmental Conditions

Temperature:	23º C
Relative Humidity:	44 %
ATM Pressure:	101.31 kPa

The testing was performed by Tri Pham on 2019-10-08 in Ground Test Site.

4.7 Summary of Test Results

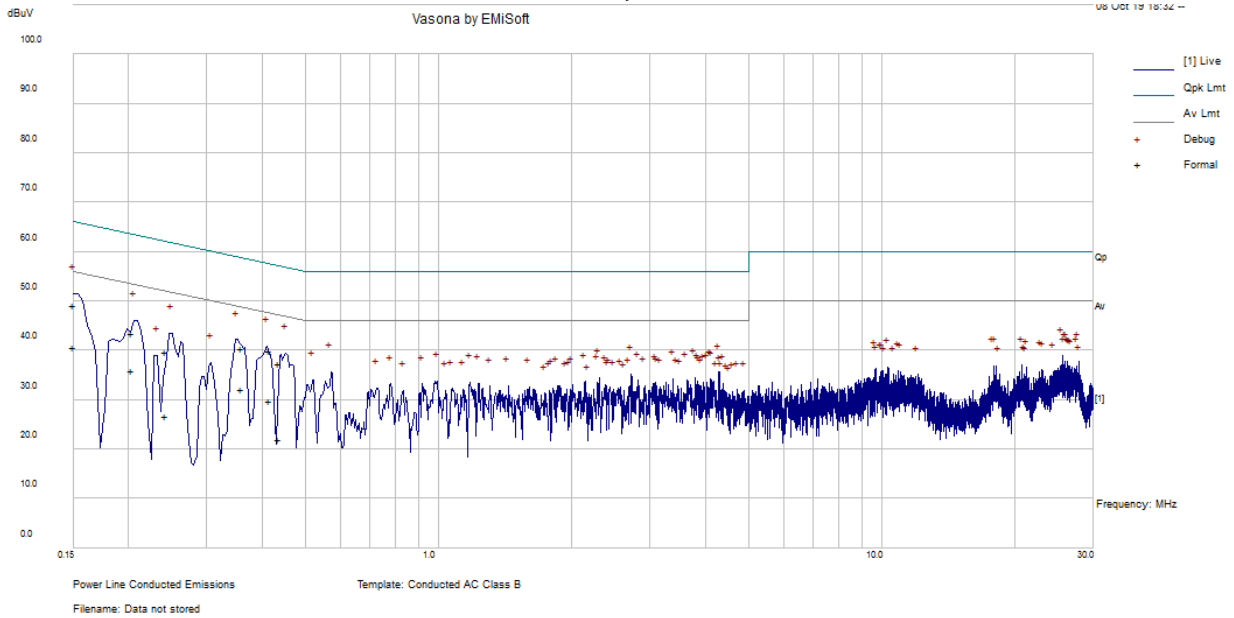
According to the recorded data in following table, the EUT complied with the FCC Part 15 and RSS-Gen standards' conducted emissions limits, with the margin reading of:

Connection: AC/DC adapter connected to 110 V/60 Hz, AC			
Margin (dB)	**Frequency (MHz)**	**Conductor Mode (Live/Neutral)**	**Range (MHz)**
-15.3	0.15002	Line	0.15-30

4.8 Conducted Emissions Test Plots and Data

Worst Case Colocation: BLE 2426 MHz, 5 GHz XOR Wifi VHT20 mode 5220 MHz, 5GHz Wifi Aux(DART) nonHT20 mode 5745 MHz and 5 GHz Wi-Fi VHT160 mode 5250 MHz

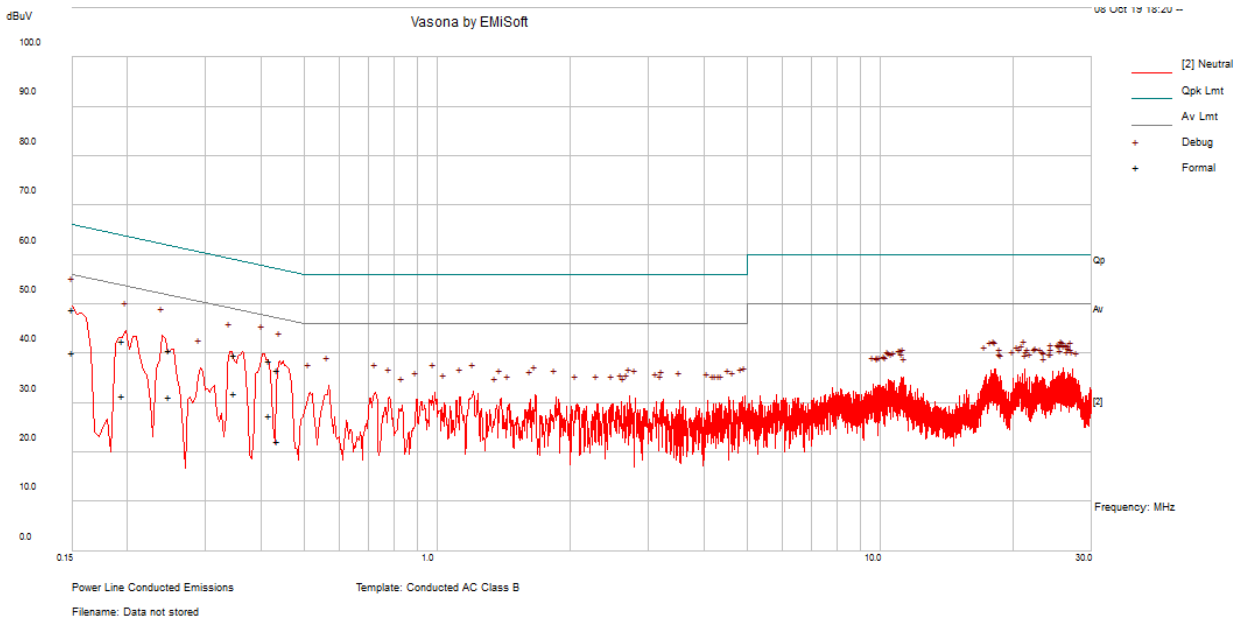
110 V, 60 Hz – Line



Frequency (MHz)	Corrected Amplitude (dBuV)	Conductor (Line/Neutral)	Limit (dBuV)	Margin (dB)	Detector (QP/Ave.)
0.150044	49.09	Line	66	-16.91	QP
0.415885	39.84	Line	57.53	-17.69	QP
0.360069	40.41	Line	58.73	-18.31	QP
0.203057	43.49	Line	63.48	-19.99	QP
0.436556	37.41	Line	57.13	-19.72	QP
0.242741	39.78	Line	62	-22.22	QP

Frequency (MHz)	Corrected Amplitude (dBuV)	Conductor (Line/Neutral)	Limit (dBuV)	Margin (dB)	Detector (QP/Ave.)
0.150044	40.62	Line	56	-15.38	Ave.
0.415885	29.79	Line	47.53	-17.74	Ave.
0.360069	32.16	Line	48.73	-16.57	Ave.
0.203057	35.95	Line	53.48	-17.53	Ave.
0.436556	21.99	Line	47.13	-25.14	Ave.
0.242741	26.62	Line	52	-25.39	Ave.

110 V, 60 Hz – Neutral

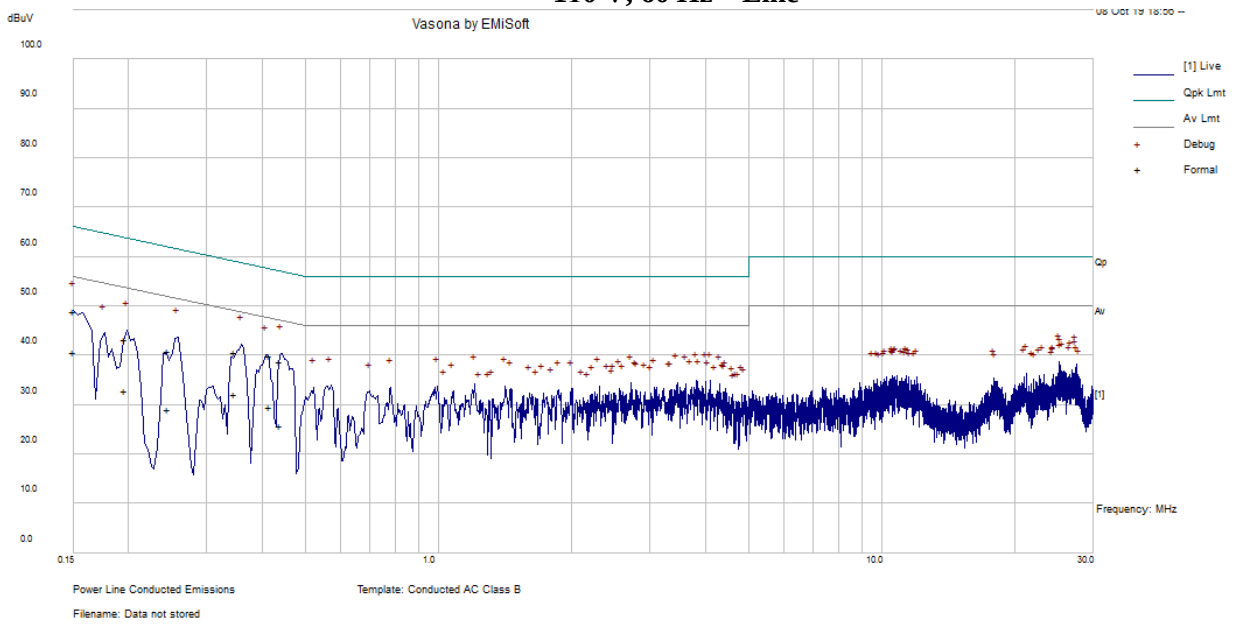


Frequency (MHz)	Corrected Amplitude (dBuV)	Conductor (Line/Neutral)	Limit (dBuV)	Margin (dB)	Detector (QP/Ave.)
0.150253	48.88	Neutral	65.99	-17.11	QP
0.195468	42.55	Neutral	63.8	-21.25	QP
0.248412	40.59	Neutral	61.81	-21.22	QP
0.348641	39.69	Neutral	58.99	-19.3	QP
0.417548	38.51	Neutral	57.5	-18.99	QP
0.437223	36.75	Neutral	57.11	-20.36	QP

Frequency (MHz)	Corrected Amplitude (dBuV)	Conductor (Line/Neutral)	Limit (dBuV)	Margin (dB)	Detector (QP/Ave.)
0.150253	40.23	Neutral	55.99	-15.76	Ave.
0.195468	31.45	Neutral	53.8	-22.35	Ave.
0.248412	31.12	Neutral	51.81	-20.69	Ave.
0.348641	31.93	Neutral	48.99	-17.07	Ave.
0.417548	27.42	Neutral	47.5	-20.08	Ave.
0.437223	22.19	Neutral	47.11	-24.92	Ave.

Worst Case Colocation: BLE 2426 MHz, 5 GHz XOR Wifi VHT20 mode 5220 MHz, 5GHz Wifi Aux(TNC) nonHT20 mode 5745 MHz and 5 GHz Wi-Fi VHT160 mode 5250 MHz

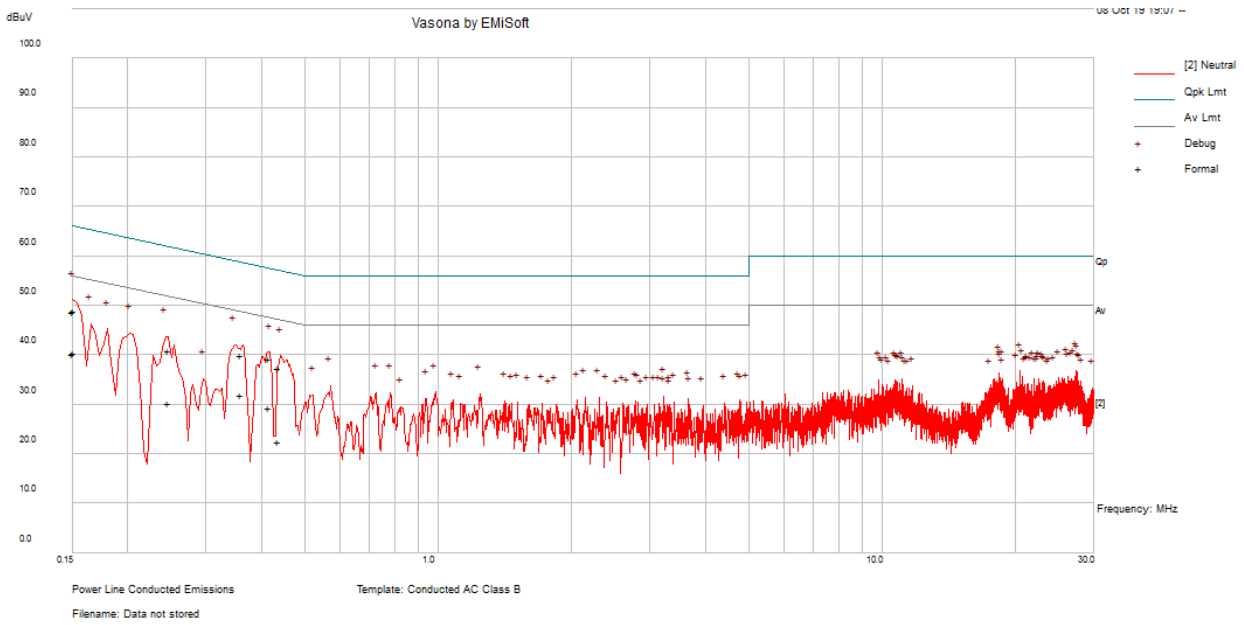
110 V, 60 Hz – Line



Frequency (MHz)	Corrected Amplitude (dBuV)	Conductor (Line/Neutral)	Limit (dBuV)	Margin (dB)	Detector (QP/Ave.)
0.34649	40.6	Line	59.05	-18.45	QP
0.439185	38.78	Line	57.08	-18.29	QP
0.15002	49.01	Line	66	-16.99	QP
0.415736	39.88	Line	57.53	-17.66	QP
0.244966	41	Line	61.93	-20.93	QP
0.195954	43.27	Line	63.78	-20.51	QP

Frequency (MHz)	Corrected Amplitude (dBuV)	Conductor (Line/Neutral)	Limit (dBuV)	Margin (dB)	Detector (QP/Ave.)
0.34649	32.26	Line	49.05	-16.79	Ave.
0.439185	25.86	Line	47.08	-21.21	Ave.
0.15002	40.7	Line	56	-15.3	Ave.
0.415736	29.65	Line	47.53	-17.88	Ave.
0.244966	29.01	Line	51.93	-22.91	Ave.
0.195954	32.86	Line	53.78	-20.92	Ave.

110 V, 60 Hz – Neutral



Frequency (MHz)	Corrected Amplitude (dBuV)	Conductor (Line/Neutral)	Limit (dBuV)	Margin (dB)	Detector (QP/Ave.)
0.150052	48.79	Neutral	66	-17.21	QP
0.358786	39.89	Neutral	58.76	-18.87	QP
0.415338	39.16	Neutral	57.54	-18.38	QP
0.436953	37.38	Neutral	57.12	-19.74	QP
0.246546	40.85	Neutral	61.87	-21.02	QP
0.150832	48.8	Neutral	65.95	-17.15	QP

Frequency (MHz)	Corrected Amplitude (dBuV)	Conductor (Line/Neutral)	Limit (dBuV)	Margin (dB)	Detector (QP/Ave.)
0.150052	40.23	Neutral	56	-15.77	Ave.
0.358786	31.99	Neutral	48.76	-16.77	Ave.
0.415338	29.26	Neutral	47.54	-18.28	Ave.
0.436953	22.51	Neutral	47.12	-24.61	Ave.
0.246546	30.3	Neutral	51.87	-21.57	Ave.
0.150832	40.4	Neutral	55.95	-15.55	Ave.

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

5.1 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 NCC Section 2.7,

MHz	MHz	MHz
0.090 - 0.110	167.72 - 173.20	3260.0 - 3267.0
0.490 - 0.510	240.00 - 285.00	3332.0 - 3339.0
2.172 - 2.198	322.00 - 335.40	3345.8 - 3358.0
3.013 - 3.033	399.90 - 410.00	3500.0 - 4400.0
4.115 - 4.198	608.00 - 614.00	4500.0 - 5250.0
5.670 - 5.690	703.00 - 748.00	5350.0 - 5460.0
6.200 - 6.300	758.00 - 803.00	7250.0 - 7750.0
8.230 - 8.400	825.00 - 915.00	8025.0 - 8500.0
12.265 - 12.600	930.00 - 1240.0	9000.0 - 9200.0
13.340 - 13.430	1300.0 - 1427.0	9300.0 - 9500.0
14.965 - 15.020	1435.0 - 1626.5	10600 - 12700
16.700 - 16.755	1660.0 - 1785.0	13250 - 13400
19.965 - 20.020	1805.0 - 1880.0	14470 - 14500
25.500 - 25.700	1885.0 - 1900.0	15350 - 16200
37.475 - 38.275	1905.0 - 1985.0	17700 - 21400
73.500 - 75.400	2010.0 - 2025.0	22010 - 23120
108.00 - 138.00	2110.0 - 2170.0	23600 - 24000
149.90 - 150.05	2200.0 - 2300.0	31200 - 31800
156.70 - 156.90	2310.0 - 2390.0	36430 - 36500
162.01 - 167.17	2483.5 - 2900.0	Above 38600

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

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

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

As per FCC Part 15.407 (b)

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

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

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

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

(i) All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

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

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

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

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

As per 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.

5.2 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.

5.3 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

5.4 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

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	100044	2018-10-26	2 years
Rohde and Schwarz	Signal Analyzer	FSV40	1321.3008K39-101203-UW	2019-08-06	1 year
Sunol Sciences	System Controller	SC99V	011003-1	N/R	N/A
Sunol Sciences	Antenna, Horn	DRH-118	A052704	2019-04-02	2 years
Agilent	Amplifier, Pre	8447D	2944A10187	2019-04-11	1 year
Insulted Wire Corp.	157 Series 2.92 SM (x2) Armored 33 ft. Cable	KPS-1571AN-3960-KPS	DC 1917	2019-05-08	2 years
-	SMA cable	-	C0002	Each time[1]	N/A
HP	Pre-Amplifier	8449B	3008A01978	2019-09-27	1 year
Rohde & Schwarz	EMI Test Receiver	ESU-40	100433	2019-02-06	1 year
A. H. Systems	Antenna, Horn	SAS-200/571	261	2019-06-07	2 years
Wisewave	Antenna, Horn	ARH-2823-02	10555-02	2017-12-15	2 years
Wisewave	Antenna, Horn	ARH-4223-02	10555-01	2018-03-28	28 Months
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".*

5.6 Test Environmental Conditions

Temperature:	22-25 ºC
Relative Humidity:	42-48 %
ATM Pressure:	102.1 kPa

The testing was performed by Christian McCaig and Matthew Riego de Dios from 2019-09-20 to 2019-10-09 in 5m chamber 3.

5.7 Summary of Test Results

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

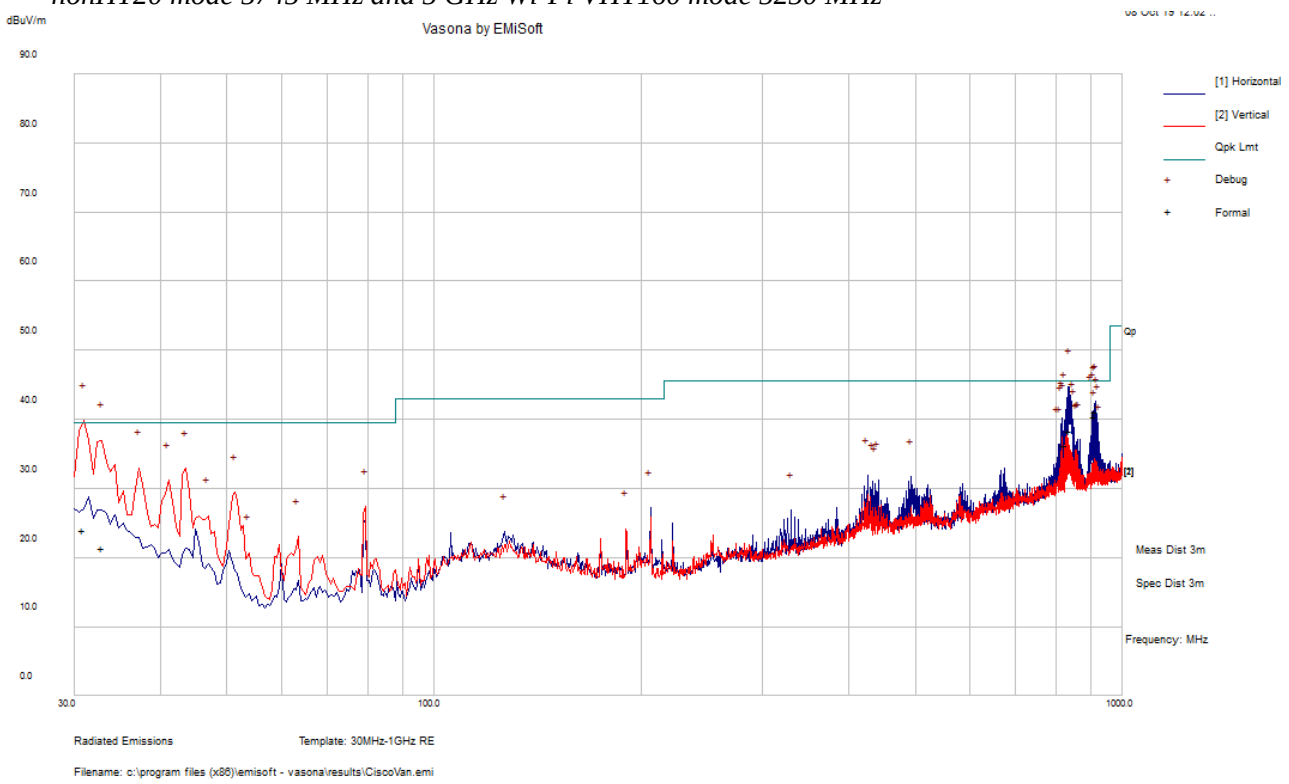
Mode: Transmitting			
Margin (dB)	**Frequency (MHz)**	**Polarization (Horizontal/Vertical)**	**Mode, Channel**
-0.03	17130	Vertical	Non HT40 mode, 5710 MHz

Please refer to the following table and plots for specific test result details (4.8).

5.8 Radiated Emissions Test Result

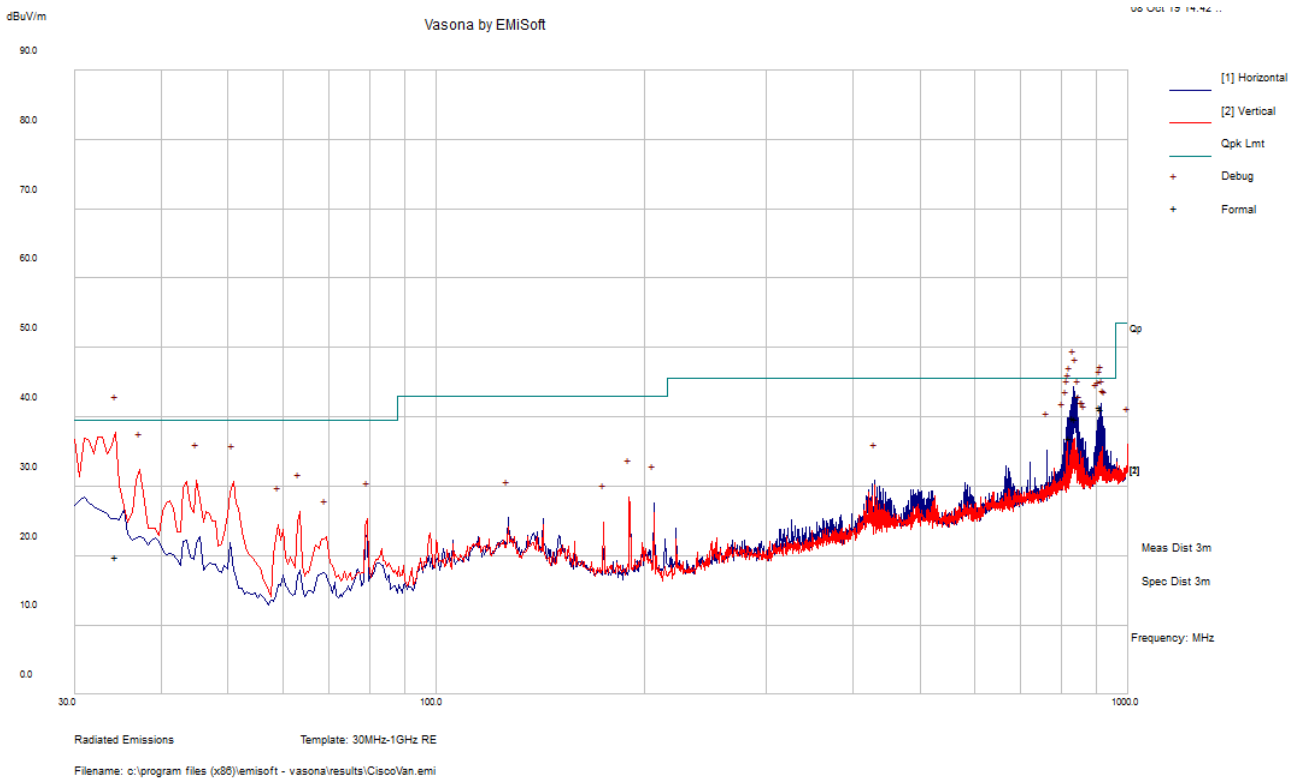
1) 30 MHz – 1 GHz Worst Case, Measured at 3 meters

Worst Case Colocation: BLE 2426 MHz, 5 GHz XOR Wifi VHT20 mode 5220 MHz, 5GHz Wifi Aux(DART) nonHT20 mode 5745 MHz 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
30.9025	24.07	135	V	144	39.5	-15.43	Pass
838.04175	38.45	109	H	222	45.5	-7.05	Pass
32.92725	21.41	183	V	114	39.5	-18.09	Pass
913.99475	41.19	168	H	206	45.5	-4.31	Pass
910.0265	40.4	158	H	197	45.5	-5.1	Pass
825.8575	36.26	111	H	193	45.5	-9.24	Pass

Worst Case Colocation: BLE 2426 MHz, 5 GHz XOR Wifi VHT20 mode 5220 MHz, 5GHz Wifi Aux(TNC) nonHT20 mode 5745 MHz 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
833.68375	39.88	151	H	195	45.5	-5.62	Pass
34.3655	19.83	153	V	332	39.5	-19.67	Pass
842.3025	39.66	163	H	200	45.5	-5.84	Pass
913.984	41.13	158	H	205	45.5	-4.37	Pass
825.67575	37.05	164	H	194	45.5	-8.45	Pass
910.047	41.44	156	H	193	45.5	-4.06	Pass

2) Above 1 GHz, Measured at 1 meter in 4X4 MIMO configuration

5GHz Regular

5150 - 5250 MHz

Frequency (MHz)	S.A. Reading (dBµV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre-Amp. (dB)	Cord. Reading (dBµV/m)	FCC/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	43.76	0	100	H	38.57	13.71	34.63	61.41	78	-16.59	PK
10360	44.05	0	100	V	38.54	13.71	34.63	61.67	78	-16.33	PK
Mid Channel 5220 MHz Non HT20 mode power setting: 17											
10440	44.05	0	100	H	38.75	13.71	34.63	61.88	78	-16.12	PK
10440	44.22	0	100	V	38.74	13.71	34.63	62.04	78	-15.96	PK
High Channel 5240 MHz Non HT20 mode power setting: 17											
10480	43.49	0	100	H	38.57	13.92	34.51	61.47	78	-16.54	PK
10480	43.78	0	100	V	38.57	13.92	34.51	61.76	78	-16.24	PK

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	44.78	0	100	H	38.57	13.71	34.63	62.43	78	-15.57	PK
10360	43.80	0	100	V	38.54	13.71	34.63	61.42	78	-16.58	PK
Mid Channel 5220 MHz HT/VHT20 mode power setting: 17											
10440	43.54	0	100	H	38.75	13.71	34.63	61.37	78	-16.63	PK
10440	43.69	0	100	V	38.74	13.71	34.63	61.51	78	-16.49	PK
High Channel 5240 MHz HT/VHT20 mode power setting: 17											
10480	43.67	0	100	H	38.57	13.92	34.51	61.65	78	-16.36	PK
10480	44.08	0	100	V	38.57	13.92	34.51	62.06	78	-15.94	PK

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	44.17	0	100	H	38.57	13.71	34.63	61.82	78	-16.18	PK
10360	43.57	0	100	V	38.54	13.71	34.63	61.19	78	-16.81	PK
Mid Channel 5220 MHz HE20 mode power setting: 17											
10440	43.52	0	100	H	38.75	13.71	34.63	61.35	78	-16.65	PK
10440	43.28	0	100	V	38.74	13.71	34.63	61.10	78	-16.90	PK
High Channel 5240 MHz HE20 mode power setting: 17											
10480	44.15	0	100	H	38.57	13.92	34.51	62.13	78	-15.88	PK
10480	43.83	0	100	V	38.57	13.92	34.51	61.81	78	-16.19	PK

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	44.35	0	100	H	38.57	13.71	34.63	62.00	78	-16.00	PK
10380	43.55	0	100	V	38.54	13.71	34.63	61.17	78	-16.83	PK
High Channel 5230 MHz Non HT40 mode power setting: 17											
10460	43.58	0	100	H	38.75	13.71	34.63	61.41	78	-16.59	PK
10460	43.46	0	100	V	38.74	13.71	34.63	61.28	78	-16.72	PK

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	43.46	0	100	H	38.57	13.71	34.63	61.11	78	-16.89	PK
10380	43.57	0	100	V	38.54	13.71	34.63	61.19	78	-16.81	PK
High Channel 5230 MHz HT/VHT40 mode power setting: 17											
10460	43.04	0	100	H	38.75	13.71	34.63	60.87	78	-17.13	PK
10460	43.48	0	100	V	38.74	13.71	34.63	61.30	78	-16.70	PK

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	44.15	0	100	H	38.57	13.71	34.63	61.80	78	-16.20	PK
10380	43.66	0	100	V	38.54	13.71	34.63	61.28	78	-16.72	PK
High Channel 5230 MHz HE40 mode power setting: 17											
10460	43.58	0	100	H	38.75	13.71	34.63	61.41	78	-16.59	PK
10460	43.46	0	100	V	38.74	13.71	34.63	61.28	78	-16.72	PK

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 5210 MHz Non HT80 mode power setting: 17											
10420	45.29	0	100	H	38.75	13.71	34.63	63.12	78	-14.88	PK
10420	44.51	0	100	V	38.74	13.71	34.63	62.33	78	-15.67	PK
Channel 5210 MHz VHT80 mode power setting: 17											
10420	45.20	0	100	H	38.75	13.71	34.63	63.03	78	-14.97	PK
10420	44.88	0	100	V	38.74	13.71	34.63	62.70	78	-15.30	PK
Channel 5210 MHz HE80 mode power setting: 17											
10420	44.59	0	100	H	38.75	13.71	34.63	62.42	78	-15.58	PK
10420	44.47	0	100	V	38.74	13.71	34.63	62.29	78	-15.71	PK

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	44.03	0	100	H	38.75	13.71	34.63	61.86	78	-16.14	PK
10500	44.41	0	100	V	38.74	13.71	34.63	62.23	78	-15.77	PK
Channel 5250 MHz VHT160 mode power setting: 17											
10500	43.95	0	100	H	38.75	13.71	34.63	61.78	78	-16.22	PK
10500	44.37	0	100	V	38.74	13.71	34.63	62.19	78	-15.81	PK
Channel 5250 MHz HE160 mode power setting: 17											
10500	44.47	0	100	H	38.75	13.71	34.63	62.30	78	-15.70	PK
10500	44.11	0	100	V	38.74	13.71	34.63	61.93	78	-16.07	PK

5250 - 5350 MHz

Frequency (MHz)	S.A. Reading (dBµV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre-Amp. (dB)	Cord. Reading (dBµV/m)	FCC/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	43.77	0	100	H	38.26	13.92	34.51	61.44	78	-16.56	PK
10520	44.56	0	100	V	38.21	13.92	34.51	62.18	78	-15.82	PK
Mid Channel 5300 MHz Non HT20 mode power setting: 17											
10600	43.99	0	100	H	38.26	14.11	34.46	61.90	84	-22.10	PK
10600	31.17	0	100	H	38.26	14.11	34.46	49.08	64	-14.92	AV
10600	44.45	0	100	V	38.23	14.11	34.46	62.32	84	-21.68	PK
10600	31.33	0	100	V	38.23	14.11	34.46	49.20	64	-14.80	AV
High Channel 5320MHz Non HT20 mode power setting: 17											
10640	43.87	0	100	H	38.22	14.11	34.46	61.74	84	-22.26	PK
10640	31.32	0	100	H	38.22	14.11	34.46	49.19	64	-14.81	AV
10640	42.98	0	100	V	38.18	14.11	34.46	60.80	84	-23.20	PK
10640	31.36	0	100	V	38.18	14.11	34.46	49.18	64	-14.82	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 5260 MHz HT/VHT20 mode power setting: 17											
10520	43.18	0	100	H	38.26	13.92	34.51	60.85	78	-17.15	PK
10520	43.22	0	100	V	38.21	13.92	34.51	60.84	78	-17.16	PK
Mid Channel 5300 MHz HT/VHT20 mode power setting: 17											
10600	43.48	0	100	H	38.26	14.11	34.46	61.39	84	-22.61	PK
10600	31.09	0	100	H	38.26	14.11	34.46	49.00	64	-15.00	AV
10600	43.56	0	100	V	38.23	14.11	34.46	61.43	84	-22.57	PK
10600	31.07	0	100	V	38.23	14.11	34.46	48.94	64	-15.06	AV
High Channel 5320 MHz HT/VHT20 mode power setting: 17											
10640	43.43	0	100	H	38.22	14.11	34.46	61.30	84	-22.70	PK
10640	31.26	0	100	H	38.22	14.11	34.46	49.13	64	-14.87	AV
10640	43.19	0	100	V	38.18	14.11	34.46	61.01	84	-22.99	PK
10640	31.39	0	100	V	38.18	14.11	34.46	49.21	64	-14.79	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	43.29	0	100	H	38.26	13.92	34.51	60.96	78	-17.04	PK
10520	43.50	0	100	V	38.21	13.92	34.51	61.12	78	-16.88	PK
Mid Channel 5300 MHz HE20 mode power setting: 17											
10600	42.96	0	100	H	38.26	14.11	34.46	60.87	84	-23.13	PK
10600	31.10	0	100	H	38.26	14.11	34.46	49.01	64	-14.99	AV
10600	43.35	0	100	V	38.23	14.11	34.46	61.22	84	-22.78	PK
10600	30.90	0	100	V	38.23	14.11	34.46	48.77	64	-15.23	AV
High Channel 5320 MHz HE20 mode power setting: 17											
10640	43.20	0	100	H	38.22	14.11	34.46	61.07	84	-22.93	PK
10640	31.26	0	100	H	38.22	14.11	34.46	49.13	64	-14.87	AV
10640	43.25	0	100	V	38.18	14.11	34.46	61.07	84	-22.93	PK
10640	31.31	0	100	V	38.18	14.11	34.46	49.13	64	-14.87	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)	
Low Channel 5270 MHz Non HT40 mode power setting: 17											
10540	43.65	0	100	H	38.27	13.92	34.51	61.33	78	-16.67	PK
10540	43.31	0	100	V	38.23	13.92	34.51	60.95	78	-17.05	PK
High Channel 5310 MHz Non HT40 mode power setting: 17											
10620	42.75	0	100	H	38.26	14.11	34.46	60.66	84	-23.34	PK
10620	30.95	0	100	H	38.26	14.11	34.46	48.86	64	-15.14	AV
10620	42.84	0	100	V	38.23	14.11	34.46	60.71	84	-23.29	PK
10620	31.05	0	100	V	38.23	14.11	34.46	48.92	64	-15.08	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 5270 MHz HT/VHT40 mode power setting: 17											
10540	44.02	0	100	H	38.27	13.92	34.51	61.70	78	-16.30	PK
10540	44.31	0	100	V	38.23	13.92	34.51	61.95	78	-16.05	PK
High Channel 5310 MHz HT/VHT40 mode power setting: 17											
10620	43.14	0	100	H	38.26	14.11	34.46	61.05	84	-22.95	PK
10620	31.69	0	100	H	38.26	14.11	34.46	49.60	64	-14.40	AV
10620	42.90	0	100	V	38.23	14.11	34.46	60.77	84	-23.23	PK
10620	31.41	0	100	V	38.23	14.11	34.46	49.28	64	-14.72	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)	
Low Channel 5270 MHz HE40 mode power setting: 17											
10540	43.49	0	100	H	38.27	13.92	34.51	61.17	78	-16.83	PK
10540	43.85	0	100	V	38.23	13.92	34.51	61.49	78	-16.51	PK
High Channel 5310 MHz HE40 mode power setting: 17											
10620	44.34	0	100	H	38.26	14.11	34.46	62.25	84	-21.75	PK
10620	31.78	0	100	H	38.26	14.11	34.46	49.69	64	-14.31	AV
10620	43.48	0	100	V	38.23	14.11	34.46	61.35	84	-22.65	PK
10620	31.74	0	100	V	38.23	14.11	34.46	49.61	64	-14.39	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	43.23	0	100	H	38.26	14.11	34.46	61.14	78	-16.86	PK
10580	43.51	0	100	V	38.23	14.11	34.46	61.38	78	-16.62	PK
High Channel 5290 MHz VHT80 mode power setting: 17											
10580	43.00	0	100	H	38.26	14.11	34.46	60.91	78	-17.09	PK
10580	42.80	0	100	V	38.23	14.11	34.46	60.67	78	-17.33	PK
High Channel 5290 MHz HE80 mode power setting: 17											
10580	43.52	0	100	H	38.26	14.11	34.46	61.43	78	-16.57	PK
10580	43.33	0	100	V	38.23	14.11	34.46	61.20	78	-16.80	PK

5490 - 5730 MHz

Frequency (MHz)	S.A. Reading (dBµV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre-Amp. (dB)	Cord. Reading (dBµV/m)	FCC/ISEDC		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBµV/m)	Margin (dB)	
Low Channel 5500 MHz Non HT20 mode power setting: 17											
11000	42.89	0	100	H	38.84	14.26	34.40	61.58	84	-22.42	PK
11000	29.34	0	100	H	38.84	14.26	34.40	48.03	64	-15.97	AV
11000	42.79	0	100	V	38.82	14.26	34.40	61.46	84	-22.54	PK
11000	29.12	0	100	V	38.82	14.26	34.40	47.79	64	-16.21	AV
Mid Channel 5580 MHz Non HT20 mode power setting: 17											
11160	43.50	0	100	H	38.93	14.78	34.09	63.12	84	-20.88	PK
11160	29.40	0	100	H	38.93	14.78	34.09	49.02	64	-14.98	AV
11160	42.58	0	100	V	38.91	14.78	34.09	62.18	84	-21.82	PK
11160	29.37	0	100	V	38.91	14.78	34.09	48.97	64	-15.03	AV
High Channel 5700 MHz Non HT20 mode power setting: 17											
11400	42.13	0	100	H	38.96	15.21	33.78	62.52	84	-21.48	PK
11400	29.63	0	100	H	38.96	15.21	33.78	50.02	64	-13.98	AV
11400	42.21	0	100	V	38.95	15.21	33.78	62.59	84	-21.41	PK
11400	29.50	0	100	V	38.95	15.21	33.78	49.88	64	-14.12	AV
High Channel 5720 MHz Non HT20 mode power setting: 17											
11460	42.92	0	100	H	38.94	15.39	33.83	63.42	84	-20.58	PK
11460	29.43	0	100	H	38.94	15.39	33.83	49.93	64	-14.07	AV
11460	41.75	0	100	V	38.95	15.39	33.83	62.26	84	-21.74	PK
11460	29.46	0	100	V	38.95	15.39	33.83	49.97	64	-14.03	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	42.48	0	100	H	38.84	14.26	33.70	61.88	84	-22.12	PK
11000	30.06	0	100	H	38.84	14.26	33.70	49.46	64	-14.54	AV
11000	43.34	0	100	V	38.82	14.26	33.70	62.71	84	-21.29	PK
11000	30.11	0	100	V	38.82	14.26	33.70	49.48	64	-14.52	AV
Mid Channel 5580 MHz HT/VHT20 mode power setting: 17											
11160	42.78	0	100	H	38.93	14.78	33.84	62.65	84	-21.35	PK
11160	29.45	0	100	H	38.93	14.78	33.84	49.32	64	-14.68	AV
11160	42.76	0	100	V	38.91	14.78	33.84	62.61	84	-21.39	PK
11160	29.47	0	100	V	38.91	14.78	33.84	49.32	64	-14.68	AV
High Channel 5700 MHz HT/VHT20 mode power setting: 17											
11400	41.69	0	100	H	38.96	15.21	34.34	61.51	84	-22.49	PK
11400	29.55	0	100	H	38.96	15.21	34.34	49.37	64	-14.63	AV
11400	42.06	0	100	V	38.95	15.21	34.34	61.88	84	-22.12	PK
11400	29.58	0	100	V	38.95	15.21	34.34	49.40	64	-14.60	AV
High Channel 5720 MHz HT/VHT20 mode power setting: 17											
11460	43.06	0	100	H	38.94	15.39	34.34	63.06	84	-20.95	PK
11460	30.32	0	100	H	38.94	15.39	34.34	50.32	64	-13.69	AV
11460	43.01	0	100	V	38.95	15.39	34.34	63.01	84	-20.99	PK
11460	30.38	0	100	V	38.95	15.39	34.34	50.38	64	-13.62	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	42.94	0	100	H	38.84	14.26	34.40	61.63	84	-22.37	PK
11000	30.82	0	100	H	38.84	14.26	34.40	49.51	64	-14.49	AV
11000	43.80	0	100	V	38.82	14.26	34.40	62.47	84	-21.53	PK
11000	30.88	0	100	V	38.82	14.26	34.40	49.55	64	-14.45	AV
Mid Channel 5580 MHz HE20 mode power setting: 17											
11160	43.55	0	100	H	38.93	14.78	34.09	63.17	84	-20.83	PK
11160	31.04	0	100	H	38.93	14.78	34.09	50.66	64	-13.34	AV
11160	43.47	0	100	V	38.91	14.78	34.09	63.07	84	-20.93	PK
11160	31.11	0	100	V	38.91	14.78	34.09	50.71	64	-13.29	AV
High Channel 5700 MHz HE20 mode power setting: 17											
11400	42.76	0	100	H	38.96	15.21	33.78	63.15	84	-20.85	PK
11400	30.29	0	100	H	38.96	15.21	33.78	50.68	64	-13.32	AV
11400	42.53	0	100	V	38.95	15.21	33.78	62.91	84	-21.09	PK
11400	30.30	0	100	V	38.95	15.21	33.78	50.68	64	-13.32	AV
High Channel 5720 MHz HE20 mode power setting: 17											
11460	43.47	0	100	H	38.94	15.39	33.83	63.97	84	-20.03	PK
11460	30.41	0	100	H	38.94	15.39	33.83	50.91	64	-13.09	AV
11460	42.69	0	100	V	38.95	15.39	33.83	63.20	84	-20.80	PK
11460	30.39	0	100	V	38.95	15.39	33.83	50.90	64	-13.10	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	42.91	0	100	H	38.84	14.63	34.40	61.98	84	-22.02	PK
11020	30.42	0	100	H	38.84	14.63	34.40	49.49	64	-14.51	AV
11020	43.17	0	100	V	38.82	14.63	34.40	62.21	84	-21.79	PK
11020	30.40	0	100	V	38.82	14.63	34.40	49.44	64	-14.56	AV
Mid Channel 5550 MHz Non HT40 mode power setting: 17											
11100	43.21	0	100	H	38.93	14.66	34.27	62.53	84	-21.47	PK
11100	30.38	0	100	H	38.93	14.66	34.27	49.70	64	-14.30	AV
11100	43.77	0	100	V	38.91	14.66	34.27	63.07	84	-20.93	PK
11100	30.33	0	100	V	38.91	14.66	34.27	49.63	64	-14.37	AV
High Channel 5670 MHz Non HT40 mode power setting: 17											
11340	43.56	0	100	H	38.96	15.21	33.89	63.83	84	-20.17	PK
11340	30.12	0	100	H	38.96	15.21	33.89	50.39	64	-13.61	AV
11340	43.27	0	100	V	38.95	15.21	33.89	63.54	84	-20.47	PK
11340	30.08	0	100	V	38.95	15.21	33.89	50.35	64	-13.66	AV
High Channel 5710 MHz Non HT40 mode power setting: 17											
11420	42.33	0	100	H	38.94	15.21	33.78	62.70	84	-21.30	PK
11420	29.90	0	100	H	38.94	15.21	33.78	50.27	64	-13.73	AV
11420	42.90	0	100	V	38.95	15.21	33.78	63.28	84	-20.72	PK
11420	29.86	0	100	V	38.95	15.21	33.78	50.24	64	-13.76	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 HT/VHT40 mode power setting: 17											
11120	43.62	0	100	H	38.84	14.63	34.40	62.69	84	-21.31	PK
11120	31.13	0	100	H	38.84	14.63	34.40	50.20	64	-13.80	AV
11120	43.82	0	100	V	38.82	14.63	34.40	62.86	84	-21.14	PK
11120	31.11	0	100	V	38.82	14.63	34.40	50.15	64	-13.85	AV
Mid Channel 5550 MHz HT/VHT40 mode power setting: 17											
11100	41.80	0	100	H	38.93	14.66	34.27	61.12	84	-22.88	PK
11100	30.27	0	100	H	38.93	14.66	34.27	49.59	64	-14.41	AV
11100	42.08	0	100	V	38.91	14.66	34.27	61.38	84	-22.62	PK
11100	30.17	0	100	V	38.91	14.66	34.27	49.47	64	-14.53	AV
High Channel 5670 MHz HT/VHT40 mode power setting: 17											
11340	43.54	0	100	H	38.96	15.21	33.89	63.81	84	-20.19	PK
11340	31.04	0	100	H	38.96	15.21	33.89	51.31	64	-12.69	AV
11340	43.89	0	100	V	38.95	15.21	33.89	64.16	84	-19.85	PK
11340	30.93	0	100	V	38.95	15.21	33.89	51.20	64	-12.81	AV
High Channel 5710 MHz HT/VHT40 mode power setting: 17											
11420	42.99	0	100	H	38.94	15.21	33.78	63.36	84	-20.64	PK
11420	30.43	0	100	H	38.94	15.21	33.78	50.80	64	-13.20	AV
11420	43.10	0	100	V	38.95	15.21	33.78	63.48	84	-20.52	PK
11420	30.39	0	100	V	38.95	15.21	33.78	50.77	64	-13.23	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	44.25	0	100	H	38.84	14.63	34.40	63.32	84	-20.68	PK
11020	30.93	0	100	H	38.84	14.63	34.40	50.00	64	-14.00	AV
11020	43.44	0	100	V	38.82	14.63	34.40	62.48	84	-21.52	PK
11020	31.06	0	100	V	38.82	14.63	34.40	50.10	64	-13.90	AV
Mid Channel 5550 MHz HE40 mode power setting: 17											
11100	44.05	0	100	H	38.93	14.66	34.27	63.37	84	-20.63	PK
11100	31.19	0	100	H	38.93	14.66	34.27	50.51	64	-13.49	AV
11100	43.77	0	100	V	38.91	14.66	34.27	63.07	84	-20.93	PK
11100	31.13	0	100	V	38.91	14.66	34.27	50.43	64	-13.57	AV
High Channel 5670 MHz HE40 mode power setting: 17											
11340	43.74	0	100	H	38.96	15.21	33.89	64.01	84	-19.99	PK
11340	31.16	0	100	H	38.96	15.21	33.89	51.43	64	-12.57	AV
11340	43.50	0	100	V	38.95	15.21	33.89	63.77	84	-20.24	PK
11340	31.10	0	100	V	38.95	15.21	33.89	51.37	64	-12.64	AV
High Channel 5710 MHz HE40 mode power setting: 17											
11420	42.79	0	100	H	38.94	15.21	33.78	63.16	84	-20.84	PK
11420	30.49	0	100	H	38.94	15.21	33.78	50.86	64	-13.14	AV
11420	42.80	0	100	V	38.95	15.21	33.78	63.18	84	-20.82	PK
11420	30.51	0	100	V	38.95	15.21	33.78	50.89	64	-13.11	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 5530 MHz Non HT 80 mode power setting: 17											
11060	43.38	0	100	H	38.93	14.66	34.27	62.70	84	-21.30	PK
11060	30.81	0	100	H	38.93	14.66	34.27	50.13	64	-13.87	AV
11060	43.74	0	100	V	38.91	14.66	34.27	63.04	84	-20.96	PK
11060	30.84	0	100	V	38.91	14.66	34.27	50.14	64	-13.86	AV
Mid Channel 5610 MHz Non HT 80 mode power setting: 17											
11220	42.91	0	100	H	38.96	14.78	34.09	62.56	84	-21.44	PK
11220	30.80	0	100	H	38.96	14.78	34.09	50.45	64	-13.55	AV
11220	42.70	0	100	V	38.95	14.78	34.09	62.34	84	-21.66	PK
11220	30.81	0	100	V	38.95	14.78	34.09	50.45	64	-13.55	AV
High Channel 5690 MHz Non HT 80 mode power setting: 17											
11380	43.16	0	100	H	38.94	15.21	33.78	63.53	84	-20.47	PK
11380	30.10	0	100	H	38.94	15.21	33.78	50.47	64	-13.53	AV
11380	42.78	0	100	V	38.95	15.21	33.78	63.16	84	-20.84	PK
11380	30.31	0	100	V	38.95	15.21	33.78	50.69	64	-13.31	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	43.47	0	100	H	38.93	14.66	34.27	62.79	84	-21.21	PK
11060	31.11	0	100	H	38.93	14.66	34.27	50.43	64	-13.57	AV
11060	43.60	0	100	V	38.91	14.66	34.27	62.90	84	-21.10	PK
11060	31.22	0	100	V	38.91	14.66	34.27	50.52	64	-13.48	AV
Mid Channel 5610 MHz VHT 80 mode power setting: 17											
11220	43.40	0	100	H	38.96	14.78	34.09	63.05	84	-20.95	PK
11220	31.17	0	100	H	38.96	14.78	34.09	50.82	64	-13.18	AV
11220	42.48	0	100	V	38.95	14.78	34.09	62.12	84	-21.88	PK
11220	31.29	0	100	V	38.95	14.78	34.09	50.93	64	-13.07	AV
High Channel 5690 MHz VHT 80 mode power setting: 17											
11380	42.90	0	100	H	38.94	15.21	33.78	63.27	84	-20.73	PK
11380	30.85	0	100	H	38.94	15.21	33.78	51.22	64	-12.78	AV
11380	43.09	0	100	V	38.95	15.21	33.78	63.47	84	-20.53	PK
11380	30.90	0	100	V	38.95	15.21	33.78	51.28	64	-12.72	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)	
Low Channel 5530 MHz HE 80 mode power setting: 17											
11060	43.75	0	100	H	38.93	14.66	34.27	63.07	84	-20.93	PK
11060	31.25	0	100	H	38.93	14.66	34.27	50.57	64	-13.43	AV
11060	43.92	0	100	V	38.91	14.66	34.27	63.22	84	-20.78	PK
11060	31.19	0	100	V	38.91	14.66	34.27	50.49	64	-13.51	AV
Mid Channel 5610 MHz HE 80 mode power setting: 17											
11220	42.56	0	100	H	38.96	14.78	34.09	62.21	84	-21.79	PK
11220	31.25	0	100	H	38.96	14.78	34.09	50.90	64	-13.10	AV
11220	42.22	0	100	V	38.95	14.78	34.09	61.86	84	-22.14	PK
11220	31.30	0	100	V	38.95	14.78	34.09	50.94	64	-13.06	AV
High Channel 5690 MHz HE 80 mode power setting: 17											
11380	42.87	0	100	H	38.94	15.21	33.78	63.24	84	-20.76	PK
11380	30.40	0	100	H	38.94	15.21	33.78	50.77	64	-13.23	AV
11380	42.24	0	100	V	38.95	15.21	33.78	62.62	84	-21.38	PK
11380	30.29	0	100	V	38.95	15.21	33.78	50.67	64	-13.33	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	43.80	0	100	H	38.93	14.66	34.27	63.12	84	-20.88	PK
11140	30.96	0	100	H	38.93	14.66	34.27	50.28	64	-13.72	AV
11140	43.83	0	100	V	38.91	14.66	34.27	63.13	84	-20.87	PK
11140	31.14	0	100	V	38.91	14.66	34.27	50.44	64	-13.56	AV
Channel 5570 MHz VHT160 mode power setting: 17											
11140	43.77	0	100	H	38.93	14.66	34.27	63.09	84	-20.91	PK
11140	30.96	0	100	H	38.93	14.66	34.27	50.28	64	-13.72	AV
11140	43.41	0	100	V	38.91	14.66	34.27	62.71	84	-21.29	PK
11140	30.94	0	100	V	38.91	14.66	34.27	50.24	64	-13.76	AV
Channel 5570 MHz HE160 mode power setting: 17											
11140	43.64	0	100	H	38.93	14.66	34.27	62.96	84	-21.04	PK
11140	31.64	0	100	H	38.93	14.66	34.27	50.96	64	-13.04	AV
11140	43.43	0	100	V	38.91	14.66	34.27	62.73	84	-21.27	PK
11140	31.45	0	100	V	38.91	14.66	34.27	50.75	64	-13.25	AV

5735 - 5835 MHz

Frequency (MHz)	S.A. Reading (dBµV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre-Amp. (dB)	Cord. Reading (dBµV/m)	FCC/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	42.17	0	100	H	39.13	15.39	33.83	62.86	84	-21.14	PK
11490	29.66	0	100	H	39.13	15.39	33.83	50.35	64	-13.65	AV
11490	42.22	0	100	V	39.09	15.39	33.83	62.87	84	-21.13	PK
11490	29.54	0	100	V	39.09	15.39	33.83	50.19	64	-13.81	AV
Mid Channel 5785 MHz Non HT20 mode power setting: 17											
11570	42.34	0	100	H	39.13	15.48	34.01	62.94	84	-21.06	PK
11570	30.07	0	100	H	39.13	15.48	34.01	50.67	64	-13.33	AV
11570	42.62	0	100	V	39.09	15.48	34.01	63.18	84	-20.82	PK
11570	30.03	0	100	V	39.09	15.48	34.01	50.59	64	-13.41	AV
High Channel 5825 MHz Non HT20 mode power setting: 17											
11650	43.50	0	100	H	39.13	15.48	34.01	64.10	84	-19.90	PK
11650	31.14	0	100	H	39.13	15.48	34.01	51.74	64	-12.26	AV
11650	43.27	0	100	V	39.09	15.48	34.01	63.83	84	-20.17	PK
11650	31.17	0	100	V	39.09	15.48	34.01	51.73	64	-12.27	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	43.11	0	100	H	39.13	15.39	33.83	63.80	84	-20.20	PK
11490	29.81	0	100	H	39.13	15.39	33.83	50.50	64	-13.50	AV
11490	43.10	0	100	V	39.09	15.39	33.83	63.75	84	-20.25	PK
11490	29.68	0	100	V	39.09	15.39	33.83	50.33	64	-13.67	AV
Mid Channel 5785 MHz HT/VHT20 mode power setting: 17											
11570	42.57	0	100	H	39.13	15.48	34.01	63.17	84	-20.83	PK
11570	30.38	0	100	H	39.13	15.48	34.01	50.98	64	-13.02	AV
11570	42.69	0	100	V	39.09	15.48	34.01	63.25	84	-20.75	PK
11570	30.42	0	100	V	39.09	15.48	34.01	50.98	64	-13.02	AV
High Channel 5825 MHz HT/VHT20 mode power setting: 17											
11650	43.54	0	100	H	39.13	15.48	34.01	64.14	84	-19.86	PK
11650	30.86	0	100	H	39.13	15.48	34.01	51.46	64	-12.54	AV
11650	43.61	0	100	V	39.09	15.48	34.01	64.17	84	-19.83	PK
11650	30.78	0	100	V	39.09	15.48	34.01	51.34	64	-12.66	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 5745 MHz HE20 mode power setting: 17											
11490	42.30	0	100	H	39.13	15.39	33.83	62.99	84	-21.01	PK
11490	29.62	0	100	H	39.13	15.39	33.83	50.31	64	-13.69	AV
11490	42.25	0	100	V	39.09	15.39	33.83	62.90	84	-21.10	PK
11490	29.38	0	100	V	39.09	15.39	33.83	50.03	64	-13.97	AV
Mid Channel 5785 MHz HE20 mode power setting: 17											
11570	42.15	0	100	H	39.13	15.48	34.01	62.75	84	-21.25	PK
11570	30.18	0	100	H	39.13	15.48	34.01	50.78	64	-13.22	AV
11570	42.27	0	100	V	39.09	15.48	34.01	62.83	84	-21.17	PK
11570	30.15	0	100	V	39.09	15.48	34.01	50.71	64	-13.29	AV
High Channel 5825 MHz HE20 mode power setting: 17											
11650	43.13	0	100	H	39.13	15.48	34.01	63.73	84	-20.27	PK
11650	31.07	0	100	H	39.13	15.48	34.01	51.67	64	-12.33	AV
11650	42.87	0	100	V	39.09	15.48	34.01	63.43	84	-20.57	PK
11650	31.10	0	100	V	39.09	15.48	34.01	51.66	64	-12.34	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 5755 MHz Non HT40 mode power setting: 17											
11510	42.21	0	100	H	39.13	15.39	33.83	62.90	84	-21.10	PK
11510	29.58	0	100	H	39.13	15.39	33.83	50.27	64	-13.73	AV
11510	42.70	0	100	V	39.09	15.39	33.83	63.35	84	-20.65	PK
11510	29.48	0	100	V	39.09	15.39	33.83	50.13	64	-13.87	AV
High Channel 5795 MHz Non HT40 mode power setting: 17											
11590	42.67	0	100	H	39.13	15.48	34.01	63.27	84	-20.73	PK
11590	30.04	0	100	H	39.13	15.48	34.01	50.64	64	-13.36	AV
11590	42.55	0	100	V	39.09	15.48	34.01	63.11	84	-20.89	PK
11590	30.17	0	100	V	39.09	15.48	34.01	50.73	64	-13.27	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	41.84	0	100	H	39.13	15.39	33.83	62.53	84	-21.47	PK
11510	29.45	0	100	H	39.13	15.39	33.83	50.14	64	-13.86	AV
11510	42.06	0	100	V	39.09	15.39	33.83	62.71	84	-21.29	PK
11510	29.39	0	100	V	39.09	15.39	33.83	50.04	64	-13.96	AV
High Channel 5795 MHz HT/VHT40 mode power setting: 17											
11590	41.81	0	100	H	39.13	15.48	34.01	62.41	84	-21.59	PK
11590	30.05	0	100	H	39.13	15.48	34.01	50.65	64	-13.35	AV
11590	42.21	0	100	V	39.09	15.48	34.01	62.77	84	-21.23	PK
11590	29.74	0	100	V	39.09	15.48	34.01	50.30	64	-13.70	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	42.12	0	100	H	39.13	15.39	33.83	62.81	84	-21.19	PK
11510	29.45	0	100	H	39.13	15.39	33.83	50.14	64	-13.86	AV
11510	41.94	0	100	V	39.09	15.39	33.83	62.59	84	-21.41	PK
11510	29.39	0	100	V	39.09	15.39	33.83	50.04	64	-13.96	AV
High Channel 5795 MHz HE40 mode power setting: 17											
11590	43.33	0	100	H	39.13	15.48	34.01	63.93	84	-20.07	PK
11590	29.81	0	100	H	39.13	15.48	34.01	50.41	64	-13.59	AV
11590	42.32	0	100	V	39.09	15.48	34.01	62.88	84	-21.12	PK
11590	30.03	0	100	V	39.09	15.48	34.01	50.59	64	-13.41	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	39.13	15.39	34.01	62.59	84	-21.41	PK
11550	29.51	0	100	H	39.13	15.39	34.01	50.02	64	-13.98	AV
11550	42.46	0	100	V	39.09	15.39	34.01	62.93	84	-21.07	PK
11550	29.50	0	100	V	39.09	15.39	34.01	49.97	64	-14.03	AV
High Channel 5775 MHz VHT80 mode power setting: 17											
11550	42.52	0	100	H	39.13	15.39	34.01	63.03	84	-20.97	PK
11550	29.66	0	100	H	39.13	15.39	34.01	50.17	64	-13.83	AV
11550	42.19	0	100	V	39.09	15.39	34.01	62.66	84	-21.34	PK
11550	29.68	0	100	V	39.09	15.39	34.01	50.15	64	-13.85	AV
High Channel 5775 MHz HE80 mode power setting: 17											
11550	42.41	0	100	H	39.13	15.39	34.01	62.92	84	-21.08	PK
11550	29.56	0	100	H	39.13	15.39	34.01	50.07	64	-13.93	AV
11550	42.02	0	100	V	39.09	15.39	34.01	62.49	84	-21.51	PK
11550	29.55	0	100	V	39.09	15.39	34.01	50.02	64	-13.98	AV

5GHz XOR

5150 - 5250 MHz

Frequency (MHz)	S.A. Reading (dBµV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre-Amp. (dB)	Cord. Reading (dBµV/m)	FCC/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	44.11	0	100	H	38.57	13.71	34.63	61.76	78	-16.24	PK
10360	44.10	0	100	V	38.54	13.71	34.63	61.72	78	-16.28	PK
15540	43.99	0	100	H	38.82	22.96	33.47	72.30	84	-11.70	PK
15540	30.71	0	100	H	38.82	22.96	33.47	59.02	64	-4.98	AV
15540	46.92	357	178	V	38.92	22.96	33.47	75.33	84	-8.67	PK
15540	33.31	357	178	V	38.92	22.96	33.47	61.72	64	-2.28	AV
Mid Channel 5220 MHz Non HT20 mode power setting: 17											
10440	43.67	0	100	H	38.75	13.71	34.63	61.50	78	-16.50	PK
10440	43.84	0	100	V	38.74	13.71	34.63	61.66	78	-16.34	PK
15660	42.32	0	100	H	38.82	21.86	33.61	69.39	84	-14.61	PK
15660	30.32	0	100	H	38.82	21.86	33.61	57.39	64	-6.61	AV
15660	49.92	357	180	V	38.92	21.86	33.61	77.09	84	-6.91	PK
15660	35.46	357	180	V	38.92	21.86	33.61	62.63	64	-1.37	AV
High Channel 5240 MHz Non HT20 mode power setting: 17											
10480	43.99	0	100	H	38.57	13.92	34.51	61.97	78	-16.04	PK
10480	43.63	0	100	V	38.57	13.92	34.51	61.61	78	-16.39	PK
15720	43.52	0	100	H	39.12	20.86	33.61	69.89	84	-14.11	PK
15720	31.25	0	100	H	39.12	20.86	33.61	57.62	64	-6.38	AV
15720	48.71	357	180	V	39.17	20.86	33.61	75.13	84	-8.87	PK
15720	33.82	357	180	V	39.17	20.86	33.61	60.24	64	-3.76	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 5180 MHz HT/VHT20 mode power setting: 17											
10360	44.12	0	100	H	38.57	13.71	34.63	61.77	78	-16.23	PK
10360	43.80	0	100	V	38.54	13.71	34.63	61.42	78	-16.58	PK
15540	44.73	0	100	H	38.82	22.96	33.47	73.04	84	-10.96	PK
15540	29.74	0	100	H	38.82	22.96	33.47	58.05	64	-5.95	AV
15540	47.38	357	180	V	38.92	22.96	33.47	75.79	84	-8.21	PK
15540	32.91	357	180	V	38.92	22.96	33.47	61.32	64	-2.68	AV
Mid Channel 5220 MHz HT/VHT20 mode power setting: 17											
10440	44.05	0	100	H	38.75	13.71	34.63	61.88	78	-16.12	PK
10440	43.42	0	100	V	38.74	13.71	34.63	61.24	78	-16.76	PK
15660	44.02	0	100	H	38.82	21.86	33.61	71.09	84	-12.91	PK
15660	30.97	0	100	H	38.82	21.86	33.61	58.04	64	-5.96	AV
15660	49.55	357	180	V	38.92	21.86	33.61	76.72	84	-7.28	PK
15660	34.35	357	180	V	38.92	21.86	33.61	61.52	64	-2.48	AV
High Channel 5240 MHz HT/VHT20 mode power setting: 17											
10480	44.12	0	100	H	38.57	13.92	34.51	62.10	78	-15.91	PK
10480	44.43	0	100	V	38.57	13.92	34.51	62.41	78	-15.59	PK
15720	44.77	0	100	H	39.12	20.86	33.61	71.14	84	-12.86	PK
15720	31.68	0	100	H	39.12	20.86	33.61	58.05	64	-5.95	AV
15720	48.74	357	180	V	39.17	20.86	33.61	75.16	84	-8.84	PK
15720	33.80	357	180	V	39.17	20.86	33.61	60.22	64	-3.78	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 HE20 mode power setting: 17											
10360	44.58	0	100	H	38.57	13.71	34.63	62.23	78	-15.77	PK
10360	44.38	0	100	V	38.54	13.71	34.63	62.00	78	-16.00	PK
15540	43.72	0	100	H	38.82	22.96	33.47	72.03	84	-11.97	PK
15540	30.22	0	100	H	38.82	22.96	33.47	58.53	64	-5.47	AV
15540	48.08	357	180	V	38.92	22.96	33.47	76.49	84	-7.51	PK
15540	33.38	357	180	V	38.92	22.96	33.47	61.79	64	-2.21	AV
Mid Channel 5220 MHz HE20 mode power setting: 17											
10440	44.29	0	100	H	38.75	13.71	34.63	62.12	78	-15.88	PK
10440	44.36	0	100	V	38.74	13.71	34.63	62.18	78	-15.82	PK
15660	45.63	0	100	H	38.82	21.86	33.61	72.70	84	-11.30	PK
15660	31.15	0	100	H	38.82	21.86	33.61	58.22	64	-5.78	AV
15660	48.22	357	180	V	38.92	21.86	33.61	75.39	84	-8.61	PK
15660	34.14	357	180	V	38.92	21.86	33.61	61.31	64	-2.69	AV
High Channel 5240 MHz HE20 mode power setting: 17											
10480	44.67	0	100	H	38.57	13.92	34.51	62.65	78	-15.36	PK
10480	44.43	0	100	V	38.57	13.92	34.51	62.41	78	-15.59	PK
15720	49.96	0	100	H	39.12	20.86	33.61	76.33	84	-7.67	PK
15720	32.00	0	100	H	39.12	20.86	33.61	58.37	64	-5.63	AV
15720	47.99	125	300	V	39.17	20.86	33.61	74.41	84	-9.59	PK
15720	33.65	125	300	V	39.17	20.86	33.61	60.07	64	-3.93	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	44.62	0	100	H	38.57	13.71	34.63	62.27	78	-15.73	PK
10380	45.14	0	100	V	38.54	13.71	34.63	62.76	78	-15.24	PK
15570	42.82	0	100	H	38.82	22.96	33.47	71.13	84	-12.87	PK
15570	29.55	0	100	H	38.82	22.96	33.47	57.86	64	-6.14	AV
15570	46.67	357	180	V	38.92	22.96	33.47	75.08	84	-8.92	PK
15570	32.75	357	180	V	38.92	22.96	33.47	61.16	64	-2.84	AV
High Channel 5230 MHz Non HT40 mode power setting: 17											
10460	45.12	0	100	H	38.75	13.71	34.63	62.95	78	-15.05	PK
10460	44.77	0	100	V	38.74	13.71	34.63	62.59	78	-15.41	PK
15690	45.31	0	100	H	38.82	21.86	33.61	72.38	84	-11.62	PK
15690	31.47	0	100	H	38.82	21.86	33.61	58.54	64	-5.46	AV
15690	46.53	357	180	V	38.92	21.86	33.61	73.70	84	-10.30	PK
15690	33.16	357	180	V	38.92	21.86	33.61	60.33	64	-3.67	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	44.97	0	100	H	38.57	13.71	34.63	62.62	78	-15.38	PK
10380	44.47	0	100	V	38.54	13.71	34.63	62.09	78	-15.91	PK
15570	43.14	0	100	H	38.82	22.96	33.47	71.45	84	-12.55	PK
15570	30.80	0	100	H	38.82	22.96	33.47	59.11	64	-4.89	AV
15570	46.21	357	180	V	38.92	22.96	33.47	74.62	84	-9.38	PK
15570	33.06	357	180	V	38.92	22.96	33.47	61.47	64	-2.53	AV
High Channel 5230 MHz HT/VHT40 mode power setting: 17											
10460	44.12	0	100	H	38.75	13.71	34.63	61.95	78	-16.05	PK
10460	44.53	0	100	V	38.74	13.71	34.63	62.35	78	-15.65	PK
15690	46.36	0	100	H	38.82	21.86	33.61	73.43	84	-10.57	PK
15690	32.66	0	100	H	38.82	21.86	33.61	59.73	64	-4.27	AV
15690	46.43	357	180	V	38.92	21.86	33.61	73.60	84	-10.40	PK
15690	32.89	357	180	V	38.92	21.86	33.61	60.06	64	-3.94	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	44.29	0	100	H	38.57	13.71	34.63	61.94	78	-16.06	PK
10380	44.34	0	100	V	38.54	13.71	34.63	61.96	78	-16.04	PK
15570	43.16	0	100	H	39.01	22.96	33.47	71.66	84	-12.34	PK
15570	30.07	0	100	H	39.01	22.96	33.47	58.57	64	-5.43	AV
15570	45.95	357	180	V	38.89	22.96	33.47	74.33	84	-9.67	PK
15570	32.98	357	180	V	38.89	22.96	33.47	61.36	64	-2.64	AV
High Channel 5230 MHz HE40 mode power setting: 17											
10460	44.47	0	100	H	38.75	14.83	34.63	63.42	78	-14.58	PK
10460	44.86	0	100	V	38.74	14.83	34.63	63.80	78	-14.20	PK
15690	43.61	0	100	H	38.82	20.86	33.61	69.68	84	-14.32	PK
15690	30.91	0	100	H	38.82	20.86	33.61	56.98	64	-7.02	AV
15690	45.73	357	180	V	38.77	20.86	33.61	71.75	84	-12.25	PK
15690	32.82	357	180	V	38.77	20.86	33.61	58.84	64	-5.16	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)	
Channel 5210 MHz Non HT80 mode power setting: 17											
10420	44.75	0	100	H	38.55	13.71	34.63	62.38	78	-15.62	PK
10420	44.91	0	100	V	38.52	13.71	34.63	62.51	78	-15.49	PK
15630	44.69	0	100	H	38.88	19.90	33.55	69.92	84	-14.08	PK
15630	30.44	0	100	H	38.88	19.90	33.55	55.67	64	-8.33	AV
15630	46.12	357	180	V	38.77	19.90	33.55	71.24	84	-12.76	PK
15630	32.77	357	180	V	38.77	19.90	33.55	57.89	64	-6.11	AV
Channel 5210 MHz VHT80 mode power setting: 17											
10420	44.60	0	100	H	38.55	13.71	34.63	62.23	78	-15.77	PK
10420	44.58	0	100	V	38.52	13.71	34.63	62.18	78	-15.82	PK
15630	43.51	0	100	H	38.88	19.90	33.55	68.74	84	-15.26	PK
15630	31.33	0	100	H	38.88	19.90	33.55	56.56	64	-7.44	AV
15630	46.70	357	180	V	38.77	19.90	33.55	71.82	84	-12.18	PK
15630	33.34	357	180	V	38.77	19.90	33.55	58.46	64	-5.54	AV
Channel 5210 MHz HE80 mode power setting: 17											
10420	44.77	0	100	H	38.55	13.71	34.63	62.40	78	-15.60	PK
10420	45.13	0	100	V	38.52	13.71	34.63	62.73	78	-15.27	PK
15630	45.62	0	100	H	38.88	19.90	33.55	70.85	84	-13.15	PK
15630	31.31	0	100	H	38.88	19.90	33.55	56.54	64	-7.46	AV
15630	44.97	357	180	V	38.77	19.90	33.55	70.09	84	-13.91	PK
15630	32.29	357	180	V	38.77	19.90	33.55	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)	
Channel 5250 MHz Non HT160 mode power setting: 17											
10500	44.29	0	100	H	38.57	13.71	34.51	62.06	78	-15.94	PK
10500	45.02	0	100	V	38.57	13.71	34.51	62.79	78	-15.21	PK
15750	43.89	0	100	H	38.77	19.90	33.61	68.95	84	-15.05	PK
15750	31.21	0	100	H	38.77	19.90	33.61	56.27	64	-7.73	AV
15750	51.18	0	188	V	38.73	19.90	33.61	76.20	84	-7.80	PK
15750	38.02	0	188	V	38.73	19.90	33.61	63.04	64	-0.96	AV
Channel 5250 MHz VHT160 mode power setting: 17											
10500	44.22	0	100	H	38.57	13.71	34.51	61.99	78	-16.01	PK
10500	44.58	0	100	V	38.57	13.71	34.51	62.35	78	-15.65	PK
15750	44.80	0	180	H	38.77	19.90	33.61	69.86	84	-14.14	PK
15750	31.59	0	180	H	38.77	19.90	33.61	56.65	64	-7.35	AV
15750	49.04	0	190	V	38.73	19.90	33.61	74.06	84	-9.94	PK
15750	37.40	0	190	V	38.73	19.90	33.61	62.42	64	-1.58	AV
Channel 5250 MHz HE160 mode power setting: 17											
10500	44.63	0	100	H	38.57	13.71	34.51	62.40	78	-15.60	PK
10500	44.34	0	100	V	38.57	13.71	34.51	62.11	78	-15.89	PK
15750	44.25	0	100	H	38.77	19.90	33.61	69.31	84	-14.69	PK
15750	32.32	0	100	H	38.77	19.90	33.61	57.38	64	-6.62	AV
15750	49.20	357	189	V	38.73	19.90	33.61	74.22	84	-9.78	PK
15750	37.86	357	189	V	38.73	19.90	33.61	62.88	64	-1.12	AV

5250 - 5350 MHz

Frequency (MHz)	S.A. Reading (dBµV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre-Amp. (dB)	Cord. Reading (dBµV/m)	FCC/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	43.57	0	100	H	38.57	13.92	34.51	61.55	78	-16.46	PK
10520	44.89	0	100	V	38.57	13.92	34.51	62.87	78	-15.13	PK
15780	47.84	187	100	H	38.60	19.01	33.67	71.78	84	-12.22	PK
15780	33.91	187	100	H	38.60	19.01	33.67	57.85	64	-6.15	AV
15780	50.97	190	100	V	38.51	19.01	33.67	74.83	84	-9.17	PK
15780	36.25	190	100	V	38.51	19.01	33.67	60.11	64	-3.89	AV
Mid Channel 5300 MHz Non HT20 mode power setting: 17											
10600	43.94	0	100	H	38.60	14.11	34.46	62.18	84	-21.82	PK
10600	30.62	0	100	H	38.60	14.11	34.46	48.86	64	-15.14	AV
10600	43.45	0	100	V	38.60	14.11	34.46	61.69	84	-22.31	PK
10600	30.77	0	100	V	38.60	14.11	34.46	49.01	64	-14.99	AV
15900	51.22	166	100	H	38.41	18.91	33.64	74.90	84	-9.10	PK
15900	37.71	166	100	H	38.41	18.91	33.64	61.39	64	-2.61	AV
15900	52.36	201	100	V	38.36	18.91	33.64	75.99	84	-8.01	PK
15900	39.14	201	100	V	38.36	18.91	33.64	62.77	64	-1.23	AV
High Channel 5320MHz Non HT20 mode power setting: 17											
10640	44.05	0	100	H	39.13	14.11	34.46	62.82	84	-21.18	PK
10640	30.72	0	100	H	39.13	14.11	34.46	49.49	64	-14.51	AV
10640	44.48	0	100	V	38.64	14.11	34.46	62.76	84	-21.24	PK
10640	30.78	0	100	V	38.64	14.11	34.46	49.06	64	-14.94	AV
15960	52.27	167	100	H	38.77	18.05	33.55	75.54	84	-8.46	PK
15960	38.23	167	100	H	38.77	18.05	33.55	61.50	64	-2.50	AV
15960	53.13	201	102	V	38.93	18.05	33.55	76.55	84	-7.45	PK
15960	39.17	201	102	V	38.93	18.05	33.55	62.59	64	-1.41	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	44.04	0	100	H	38.57	13.92	34.51	62.02	78	-15.99	PK
10520	44.06	0	100	V	38.57	13.92	34.51	62.04	78	-15.96	PK
15780	47.29	187	100	H	38.60	19.01	33.67	71.23	84	-12.77	PK
15780	33.67	187	100	H	38.60	19.01	33.67	57.61	64	-6.39	AV
15780	50.47	190	100	V	38.51	19.01	33.67	74.33	84	-9.67	PK
15780	36.36	190	100	V	38.51	19.01	33.67	60.22	64	-3.78	AV
Mid Channel 5300 MHz HT/VHT20 mode power setting: 17											
10600	43.81	0	100	H	38.60	14.11	34.46	62.05	84	-21.95	PK
10600	30.55	0	100	H	38.60	14.11	34.46	48.79	64	-15.21	AV
10600	44.08	0	100	V	38.60	14.11	34.46	62.32	84	-21.68	PK
10600	30.40	0	100	V	38.60	14.11	34.46	48.64	64	-15.36	AV
15900	51.96	167	100	H	38.41	18.91	33.64	75.64	84	-8.36	PK
15900	37.11	167	100	H	38.41	18.91	33.64	60.79	64	-3.21	AV
15900	52.09	200	100	V	38.36	18.91	33.64	75.72	84	-8.28	PK
15900	38.37	200	100	V	38.36	18.91	33.64	62.00	64	-2.00	AV
High Channel 5320 MHz HT/VHT20 mode power setting: 17											
10640	43.91	0	100	H	39.13	14.11	34.46	62.68	84	-21.32	PK
10640	30.96	0	100	H	39.13	14.11	34.46	49.73	64	-14.27	AV
10640	44.10	0	100	V	38.64	14.11	34.46	62.38	84	-21.62	PK
10640	31.10	0	100	V	38.64	14.11	34.46	49.38	64	-14.62	AV
15960	51.75	167	100	H	38.77	18.05	33.55	75.02	84	-8.98	PK
15960	37.59	167	100	H	38.77	18.05	33.55	60.86	64	-3.14	AV
15960	53.10	201	100	V	38.93	18.05	33.55	76.52	84	-7.48	PK
15960	39.09	201	100	V	38.93	18.05	33.55	62.51	64	-1.49	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 5260 MHz HE20 mode power setting: 17											
10520	44.45	0	100	H	38.57	13.92	34.51	62.43	78	-15.58	PK
10520	45.43	0	100	V	38.57	13.92	34.51	63.41	78	-14.59	PK
15780	52.03	187	100	H	38.60	19.01	33.67	75.97	84	-8.03	PK
15780	37.50	187	100	H	38.60	19.01	33.67	61.44	64	-2.56	AV
15780	49.28	190	100	V	38.51	19.01	33.67	73.14	84	-10.86	PK
15780	35.77	190	100	V	38.51	19.01	33.67	59.63	64	-4.37	AV
Mid Channel 5300 MHz HE20 mode power setting: 17											
10600	44.16	0	100	H	38.60	14.11	34.46	62.40	84	-21.60	PK
10600	31.32	0	100	H	38.60	14.11	34.46	49.56	64	-14.44	AV
10600	44.57	0	100	V	38.60	14.11	34.46	62.81	84	-21.19	PK
10600	31.43	0	100	V	38.60	14.11	34.46	49.67	64	-14.33	AV
15900	55.78	125	288	H	38.41	18.91	33.64	79.46	84	-4.54	PK
15900	35.03	125	288	H	38.41	18.91	33.64	58.71	64	-5.29	AV
15900	51.50	200	100	V	38.36	18.91	33.64	75.13	84	-8.87	PK
15900	38.28	200	100	V	38.36	18.91	33.64	61.91	64	-2.09	AV
High Channel 5320 MHz HE20 mode power setting: 17											
10640	43.86	0	100	H	39.13	14.11	34.46	62.63	84	-21.37	PK
10640	31.42	0	100	H	39.13	14.11	34.46	50.19	64	-13.81	AV
10640	45.03	0	100	V	38.64	14.11	34.46	63.31	84	-20.69	PK
10640	31.52	0	100	V	38.64	14.11	34.46	49.80	64	-14.20	AV
15960	51.69	109	284	H	38.77	18.05	33.55	74.96	84	-9.04	PK
15960	36.61	109	284	H	38.77	18.05	33.55	59.88	64	-4.12	AV
15960	52.40	201	102	V	38.93	18.05	33.55	75.82	84	-8.18	PK
15960	37.99	201	102	V	38.93	18.05	33.55	61.41	64	-2.59	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 5270 MHz Non HT40 mode power setting: 17											
10540	44.58	0	100	H	38.57	13.92	34.51	62.56	78	-15.45	PK
10540	44.70	0	100	V	38.57	13.92	34.51	62.68	78	-15.32	PK
15810	50.46	133	273	H	38.60	19.01	33.67	74.40	84	-9.60	PK
15810	36.93	133	273	H	38.60	19.01	33.67	60.87	64	-3.13	AV
15810	51.04	259	288	V	38.51	19.01	33.67	74.90	84	-9.10	PK
15810	37.90	259	288	V	38.51	19.01	33.67	61.76	64	-2.24	AV
High Channel 5310 MHz Non HT40 mode power setting: 17											
10620	44.03	0	100	H	39.13	14.11	34.46	62.80	84	-21.20	PK
10620	31.06	0	100	H	39.13	14.11	34.46	49.83	64	-14.17	AV
10620	44.19	0	100	V	38.64	14.11	34.46	62.47	84	-21.53	PK
10620	31.20	0	100	V	38.64	14.11	34.46	49.48	64	-14.52	AV
15930	49.83	106	287	H	38.77	18.05	33.55	73.10	84	-10.90	PK
15930	35.27	106	287	H	38.77	18.05	33.55	58.54	64	-5.46	AV
15930	54.05	273	178	V	38.93	18.05	33.55	77.47	84	-6.53	PK
15930	40.46	273	178	V	38.93	18.05	33.55	63.88	64	-0.12	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	43.93	0	100	H	38.57	13.92	34.51	61.91	78	-16.10	PK
10540	44.63	0	100	V	38.57	13.92	34.51	62.61	78	-15.39	PK
15810	47.73	80	169	H	38.60	19.01	33.67	71.67	84	-12.33	PK
15810	34.97	80	169	H	38.60	19.01	33.67	58.91	64	-5.09	AV
15810	44.01	189	100	V	38.51	19.01	33.67	67.87	84	-16.13	PK
15810	32.35	189	100	V	38.51	19.01	33.67	56.21	64	-7.79	AV
High Channel 5310 MHz HT/VHT40 mode power setting: 17											
10620	43.45	0	100	H	39.13	14.11	34.46	62.22	84	-21.78	PK
10620	31.73	0	100	H	39.13	14.11	34.46	50.50	64	-13.50	AV
10620	44.43	0	100	V	38.64	14.11	34.46	62.71	84	-21.29	PK
10620	31.67	0	100	V	38.64	14.11	34.46	49.95	64	-14.05	AV
15930	49.27	208	293	H	38.77	18.05	33.55	72.54	84	-11.46	PK
15930	36.18	208	293	H	38.77	18.05	33.55	59.45	64	-4.55	AV
15930	46.71	154	100	V	38.93	18.05	33.55	70.13	84	-13.87	PK
15930	33.82	154	100	V	38.93	18.05	33.55	57.24	64	-6.76	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 5270 MHz HE40 mode power setting: 17											
10540	44.04	0	100	H	38.57	13.92	34.51	62.02	78	-15.99	PK
10540	45.06	0	100	V	38.57	13.92	34.51	63.04	78	-14.96	PK
15810	49.88	63	129	H	38.60	19.01	33.67	73.82	84	-10.18	PK
15810	37.94	63	129	H	38.60	19.01	33.67	61.88	64	-2.12	AV
15810	46.98	189	100	V	38.51	19.01	33.67	70.84	84	-13.16	PK
15810	33.68	189	100	V	38.51	19.01	33.67	57.54	64	-6.46	AV
High Channel 5310 MHz HE40 mode power setting: 17											
10620	43.28	0	100	H	39.13	14.11	34.46	62.05	84	-21.95	PK
10620	31.58	0	100	H	39.13	14.11	34.46	50.35	64	-13.65	AV
10620	44.26	0	100	V	38.64	14.11	34.46	62.54	84	-21.46	PK
10620	31.75	0	100	V	38.64	14.11	34.46	50.03	64	-13.97	AV
15930	48.70	110	280	H	38.77	18.05	33.55	71.97	84	-12.03	PK
15930	35.32	110	280	H	38.77	18.05	33.55	58.59	64	-5.41	AV
15930	46.91	208	100	V	38.93	18.05	33.55	70.33	84	-13.67	PK
15930	33.90	208	100	V	38.93	18.05	33.55	57.32	64	-6.68	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)	
High Channel 5290 MHz Non HT 80 mode power setting: 17											
10580	43.87	0	100	H	38.57	13.92	34.51	61.85	78	-16.16	PK
10580	44.06	0	100	V	38.57	13.92	34.51	62.04	78	-15.96	PK
15870	49.35	108	278	H	38.60	19.01	33.67	73.29	84	-10.71	PK
15870	34.30	108	278	H	38.60	19.01	33.67	58.24	64	-5.76	AV
15870	48.04	201	100	V	38.51	19.01	33.67	71.90	84	-12.10	PK
15870	33.96	201	100	V	38.51	19.01	33.67	57.82	64	-6.18	AV
High Channel 5290 MHz VHT80 mode power setting: 17											
10580	43.94	0	100	H	38.57	13.92	34.51	61.92	78	-16.09	PK
10580	43.98	0	100	V	38.57	13.92	34.51	61.96	78	-16.04	PK
15870	48.07	41	238	H	38.60	19.01	33.67	72.01	84	-11.99	PK
15870	36.96	41	238	H	38.60	19.01	33.67	60.90	64	-3.10	AV
15870	47.51	201	100	V	38.51	19.01	33.67	71.37	84	-12.63	PK
15870	34.60	201	100	V	38.51	19.01	33.67	58.46	64	-5.54	AV
High Channel 5290 MHz HE80 mode power setting: 17											
10580	43.85	0	100	H	38.57	13.92	34.51	61.83	78	-16.18	PK
10580	44.02	0	100	V	38.57	13.92	34.51	62.00	78	-16.00	PK
15870	49.82	105	228	H	38.60	19.01	33.67	73.76	84	-10.24	PK
15870	37.86	105	228	H	38.60	19.01	33.67	61.80	64	-2.20	AV
15870	46.84	201	290	V	38.51	19.01	33.67	70.70	84	-13.30	PK
15870	33.06	201	290	V	38.51	19.01	33.67	56.92	64	-7.08	AV

5490 - 5730 MHz

Frequency (MHz)	S.A. Reading (dBµV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre-Amp. (dB)	Cord. Reading (dBµV/m)	FCC/ISEDC		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBµV/m)	Margin (dB)	
Low Channel 5500 MHz Non HT20 mode power setting: 17											
11000	43.99	0	100	H	38.84	13.90	34.40	62.33	84	-21.67	PK
11000	30.66	0	100	H	38.84	13.90	34.40	49.00	64	-15.00	AV
11000	45.15	0	100	V	38.82	13.90	34.40	63.47	84	-20.53	PK
11000	30.65	0	100	V	38.82	13.90	34.40	48.97	64	-15.03	AV
16500	43.15	0	264	H	39.69	16.56	33.00	66.40	78	-11.60	PK
16500	48.85	214	200	V	39.65	16.56	33.00	72.06	78	-5.94	PK
Mid Channel 5580 MHz Non HT20 mode power setting: 17											
11160	43.93	0	100	H	38.92	14.04	34.09	62.80	84	-21.20	PK
11160	31.36	0	100	H	38.92	14.04	34.09	50.23	64	-13.77	AV
11160	44.74	0	100	V	38.86	14.04	34.09	63.55	84	-20.45	PK
11160	31.26	0	100	V	38.86	14.04	34.09	50.07	64	-13.93	AV
16740	44.79	240	100	H	40.18	18.38	32.84	70.51	78	-7.49	PK
16740	47.46	230	275	V	40.15	18.38	32.84	73.15	78	-4.85	PK
High Channel 5700 MHz Non HT20 mode power setting: 17											
11400	42.68	0	100	H	38.96	15.62	33.78	63.48	84	-20.52	PK
11400	30.20	0	100	H	38.96	15.62	33.78	51.00	64	-13.00	AV
11400	42.97	0	100	V	38.95	15.62	33.78	63.76	84	-20.24	PK
11400	30.25	0	100	V	38.95	15.62	33.78	51.04	64	-12.96	AV
17100	46.29	0	250	H	42.33	19.00	32.18	75.44	78	-2.56	PK
17100	45.90	235	273	V	42.30	19.00	32.18	75.02	78	-2.98	PK
High Channel 5720 MHz Non HT20 mode power setting: 17											
11460	42.94	0	100	H	38.94	15.62	33.83	63.67	84	-20.33	PK
11460	30.23	0	100	H	38.94	15.62	33.83	50.96	64	-13.04	AV
11460	43.57	0	100	V	38.95	15.62	33.83	64.31	84	-19.69	PK
11460	30.20	0	100	V	38.95	15.62	33.83	50.94	64	-13.06	AV
17160	46.24	30	260	H	42.76	19.05	32.10	75.95	78	-2.05	PK
17160	45.53	238	300	V	42.82	19.05	32.10	75.30	78	-2.70	PK

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	43.09	0	100	H	38.84	13.90	34.40	61.43	84	-22.57	PK
11000	30.71	0	100	H	38.84	13.90	34.40	49.05	64	-14.95	AV
11000	43.02	0	100	V	38.82	13.90	34.40	61.34	84	-22.66	PK
11000	30.74	0	100	V	38.82	13.90	34.40	49.06	64	-14.94	AV
16500	45.14	0	270	H	39.69	16.56	33.00	68.39	78	-9.61	PK
16500	49.16	218	222	V	39.65	16.56	33.00	72.37	78	-5.63	PK
Mid Channel 5580 MHz HT/VHT20 mode power setting: 17											
11160	44.15	0	100	H	38.92	14.04	34.09	63.02	84	-20.98	PK
11160	31.06	0	100	H	38.92	14.04	34.09	49.93	64	-14.07	AV
11160	43.45	0	100	V	38.86	14.04	34.09	62.26	84	-21.74	PK
11160	30.92	0	100	V	38.86	14.04	34.09	49.73	64	-14.27	AV
16740	42.01	0	100	H	40.18	18.38	32.84	67.73	78	-10.27	PK
16740	49.45	232	300	V	40.15	18.38	32.84	75.14	78	-2.86	PK
High Channel 5700 MHz HT/VHT20 mode power setting: 17											
11400	42.88	0	100	H	38.96	15.62	33.78	63.68	84	-20.32	PK
11400	29.98	0	100	H	38.96	15.62	33.78	50.78	64	-13.22	AV
11400	42.45	0	100	V	38.95	15.62	33.78	63.24	84	-20.76	PK
11400	30.06	0	100	V	38.95	15.62	33.78	50.85	64	-13.15	AV
17100	45.01	0	280	H	42.33	19.00	32.18	74.16	78	-3.84	PK
17100	46.48	237	250	V	42.30	19.00	32.18	75.60	78	-2.40	PK
High Channel 5720 MHz HT/VHT20 mode power setting: 17											
11460	43.36	0	100	H	38.94	15.62	33.83	64.09	84	-19.91	PK
11460	30.07	0	100	H	38.94	15.62	33.83	50.80	64	-13.20	AV
11460	42.59	0	100	V	38.95	15.62	33.83	63.33	84	-20.67	PK
11460	30.11	0	100	V	38.95	15.62	33.83	50.85	64	-13.15	AV
17160	46.44	33	260	H	42.76	19.05	32.10	76.15	78	-1.85	PK
17160	45.39	234	281	V	42.82	19.05	32.10	75.16	78	-2.84	PK

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	43.46	0	100	H	38.84	13.90	34.40	61.80	84	-22.20	PK
11000	30.76	0	100	H	38.84	13.90	34.40	49.10	64	-14.90	AV
11000	43.25	0	100	V	38.82	13.90	34.40	61.57	84	-22.43	PK
11000	30.84	0	100	V	38.82	13.90	34.40	49.16	64	-14.84	AV
16500	51.27	0	227	H	39.42	16.56	33.00	74.25	78	-3.75	PK
16500	50.74	2	274	V	39.42	16.56	33.00	73.72	78	-4.28	PK
Mid Channel 5580 MHz HE20 mode power setting: 17											
11160	43.76	0	100	H	38.91	14.04	34.27	62.44	84	-21.56	PK
11160	30.99	0	100	H	38.91	14.04	34.27	49.67	64	-14.33	AV
11160	43.61	0	100	V	38.90	14.04	34.27	62.28	84	-21.72	PK
11160	31.03	0	100	V	38.90	14.04	34.27	49.70	64	-14.30	AV
16740	42.41	0	100	H	39.74	18.38	32.93	67.60	78	-10.40	PK
16740	50.82	233	301	V	39.71	18.38	32.93	75.98	78	-2.02	PK
High Channel 5700 MHz HE20 mode power setting: 17											
11400	43.74	0	100	H	38.92	15.62	33.89	64.39	84	-19.61	PK
11400	30.70	0	100	H	38.92	15.62	33.89	51.35	64	-12.65	AV
11400	43.23	0	100	V	38.91	15.62	33.89	63.87	84	-20.13	PK
11400	30.74	0	100	V	38.91	15.62	33.89	51.38	64	-12.62	AV
17100	45.76	141	300	H	41.67	19.00	32.35	74.08	78	-3.92	PK
17100	45.73	237	250	V	41.70	19.00	32.35	74.08	78	-3.92	PK
High Channel 5720 MHz HE20 mode power setting: 17											
11460	42.56	0	100	H	38.96	15.62	33.76	63.38	84	-20.62	PK
11460	29.97	0	100	H	38.96	15.62	33.76	50.79	64	-13.21	AV
11460	42.35	0	100	V	38.95	15.62	33.76	63.16	84	-20.84	PK
11460	29.98	0	100	V	38.95	15.62	33.76	50.79	64	-13.21	AV
17160	42.63	0	100	H	42.76	19.05	32.18	72.26	78	-5.74	PK
17160	45.43	237	250	V	42.82	19.05	32.18	75.12	78	-2.88	PK

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	43.54	0	100	H	38.84	13.90	34.40	61.88	84	-22.12	PK
11020	30.64	0	100	H	38.84	13.90	34.40	48.98	64	-15.02	AV
11020	43.14	0	100	V	38.82	13.90	34.40	61.46	84	-22.54	PK
11020	30.66	0	100	V	38.82	13.90	34.40	48.98	64	-15.02	AV
16530	46.07	41	279	H	39.42	16.56	33.00	69.05	78	-8.95	PK
16530	54.83	0	174	V	39.42	16.56	33.00	77.81	78	-0.19	PK
Mid Channel 5550 MHz Non HT40 mode power setting: 17											
11100	44.13	0	100	H	38.91	14.04	34.27	62.81	84	-21.19	PK
11100	31.19	0	100	H	38.91	14.04	34.27	49.87	64	-14.13	AV
11100	43.82	0	100	V	38.90	14.04	34.27	62.49	84	-21.51	PK
11100	30.89	0	100	V	38.90	14.04	34.27	49.56	64	-14.44	AV
16650	51.27	350	239	H	39.74	18.38	32.93	76.46	78	-1.54	PK
16650	52.23	350	241	V	39.71	18.38	32.93	77.39	78	-0.61	PK
High Channel 5670 MHz Non HT40 mode power setting: 17											
11340	42.61	0	100	H	38.92	15.62	33.89	63.26	84	-20.74	PK
11340	30.38	0	100	H	38.92	15.62	33.89	51.03	64	-12.97	AV
11340	42.88	0	100	V	38.91	15.62	33.89	63.52	84	-20.48	PK
11340	30.32	0	100	V	38.91	15.62	33.89	50.96	64	-13.04	AV
17010	44.94	350	300	H	41.67	19.00	32.35	73.26	78	-4.74	PK
17010	47.26	3	197	V	41.70	19.00	32.35	75.61	78	-2.39	PK
High Channel 5710 MHz Non HT40 mode power setting: 17											
11420	43.15	0	100	H	38.96	15.62	33.76	63.97	84	-20.03	PK
11420	30.35	0	100	H	38.96	15.62	33.76	51.17	64	-12.83	AV
11420	43.03	0	100	V	38.95	15.62	33.76	63.84	84	-20.16	PK
11420	30.37	0	100	V	38.95	15.62	33.76	51.18	64	-12.82	AV
17130	42.52	0	100	H	42.76	19.05	32.18	72.15	78	-5.85	PK
17130	48.28	0	200	V	42.82	19.05	32.18	77.97	78	-0.03	PK

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	42.61	0	100	H	38.84	13.90	34.40	60.95	84	-23.05	PK
11020	30.35	0	100	H	38.84	13.90	34.40	48.69	64	-15.31	AV
11020	42.79	0	100	V	38.82	13.90	34.40	61.11	84	-22.89	PK
11020	30.33	0	100	V	38.82	13.90	34.40	48.65	64	-15.35	AV
16530	48.55	0	297	H	39.42	16.56	33.00	71.53	78	-6.47	PK
16530	52.04	358	246	V	39.42	16.56	33.00	75.02	78	-2.98	PK
Mid Channel 5550 MHz HT/VHT40 mode power setting: 17											
11100	42.85	0	100	H	38.91	14.04	34.27	61.53	84	-22.47	PK
11100	30.49	0	100	H	38.91	14.04	34.27	49.17	64	-14.83	AV
11100	42.59	0	100	V	38.90	14.04	34.27	61.26	84	-22.74	PK
11100	30.40	0	100	V	38.90	14.04	34.27	49.07	64	-14.93	AV
16650	49.13	350	258	H	39.74	18.38	32.93	74.32	78	-3.68	PK
16650	50.03	0	295	V	39.71	18.38	32.93	75.19	78	-2.81	PK
High Channel 5670 MHz HT/VHT40 mode power setting: 17											
11340	41.81	0	100	H	38.92	15.62	33.89	62.46	84	-21.54	PK
11340	29.41	0	100	H	38.92	15.62	33.89	50.06	64	-13.94	AV
11340	41.81	0	100	V	38.91	15.62	33.89	62.45	84	-21.55	PK
11340	29.41	0	100	V	38.91	15.62	33.89	50.05	64	-13.95	AV
17010	43.68	331	236	H	41.67	19.00	32.35	72.00	78	-6.00	PK
17010	46.63	350	230	V	41.70	19.00	32.35	74.98	78	-3.02	PK
High Channel 5710 MHz HT/VHT40 mode power setting: 17											
11420	40.85	0	100	H	38.96	15.62	33.76	61.67	84	-22.33	PK
11420	28.97	0	100	H	38.96	15.62	33.76	49.79	64	-14.21	AV
11420	40.90	0	100	V	38.95	15.62	33.76	61.71	84	-22.29	PK
11420	29.01	0	100	V	38.95	15.62	33.76	49.82	64	-14.18	AV
17130	43.63	0	292	H	42.76	19.05	32.18	73.26	78	-4.74	PK
17130	46.46	352	210	V	42.82	19.05	32.18	76.15	78	-1.85	PK

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	42.08	0	100	H	38.84	13.90	34.40	60.42	84	-23.58	PK
11020	30.39	0	100	H	38.84	13.90	34.40	48.73	64	-15.27	AV
11020	42.88	0	100	V	38.82	13.90	34.40	61.20	84	-22.80	PK
11020	30.46	0	100	V	38.82	13.90	34.40	48.78	64	-15.22	AV
16530	48.59	0	298	H	39.42	16.56	33.00	71.57	78	-6.43	PK
16530	52.34	0	198	V	39.42	16.56	33.00	75.32	78	-2.68	PK
Mid Channel 5550 MHz HE40 mode power setting: 17											
11100	42.93	0	100	H	38.91	14.04	34.27	61.61	84	-22.39	PK
11100	30.56	0	100	H	38.91	14.04	34.27	49.24	64	-14.76	AV
11100	42.87	0	100	V	38.90	14.04	34.27	61.54	84	-22.46	PK
11100	30.52	0	100	V	38.90	14.04	34.27	49.19	64	-14.81	AV
16650	49.76	350	258	H	39.74	18.38	32.93	74.95	78	-3.05	PK
16650	51.12	0	300	V	39.71	18.38	32.93	76.28	78	-1.72	PK
High Channel 5670 MHz HE40 mode power setting: 17											
11340	42.35	0	100	H	38.92	15.62	33.89	63.00	84	-21.00	PK
11340	29.93	0	100	H	38.92	15.62	33.89	50.58	64	-13.42	AV
11340	42.01	0	100	V	38.91	15.62	33.89	62.65	84	-21.35	PK
11340	29.96	0	100	V	38.91	15.62	33.89	50.60	64	-13.40	AV
17010	43.87	0	239	H	41.67	19.00	32.35	72.19	78	-5.81	PK
17010	45.13	353	225	V	41.70	19.00	32.35	73.48	78	-4.52	PK
High Channel 5710 MHz HE40 mode power setting: 17											
11420	41.63	0	100	H	38.96	15.62	33.76	62.45	84	-21.55	PK
11420	29.30	0	100	H	38.96	15.62	33.76	50.12	64	-13.88	AV
11420	41.14	0	100	V	38.95	15.62	33.76	61.95	84	-22.05	PK
11420	29.26	0	100	V	38.95	15.62	33.76	50.07	64	-13.93	AV
17130	44.52	0	300	H	42.76	19.05	32.18	74.15	78	-3.85	PK
17130	46.28	0	201	V	42.82	19.05	32.18	75.97	78	-2.03	PK

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	43.13	0	100	H	38.84	15.61	34.40	63.18	84	-20.82	PK
11060	30.20	0	100	H	38.84	15.61	34.40	50.25	64	-13.75	AV
11060	43.03	0	100	V	38.82	15.61	34.40	63.06	84	-20.94	PK
11060	30.11	0	100	V	38.82	15.61	34.40	50.14	64	-13.86	AV
16590	48.33	0	300	H	39.42	15.26	33.00	70.01	78	-7.99	PK
16590	49.41	0	295	V	39.42	15.26	33.00	71.09	78	-6.91	PK
Mid Channel 5610 MHz Non HT 80 mode power setting: 17											
11220	43.03	0	100	H	38.92	14.25	34.09	62.11	84	-21.89	PK
11220	29.85	0	100	H	38.92	14.25	34.09	48.93	64	-15.07	AV
11220	42.21	0	100	V	38.86	14.25	34.09	61.23	84	-22.77	PK
11220	29.80	0	100	V	38.86	14.25	34.09	48.82	64	-15.18	AV
16830	48.98	24	278	H	40.80	18.13	32.69	75.22	78	-2.78	PK
16830	50.20	5	252	V	40.78	18.13	32.69	76.42	78	-1.58	PK
High Channel 5690 MHz Non HT 80 mode power setting: 17											
11380	41.84	0	100	H	38.92	15.25	33.89	62.12	84	-21.88	PK
11380	29.20	0	100	H	38.92	15.25	33.89	49.48	64	-14.52	AV
11380	41.86	0	100	V	38.91	15.25	33.89	62.13	84	-21.87	PK
11380	29.12	0	100	V	38.91	15.25	33.89	49.39	64	-14.61	AV
17070	44.99	197	300	H	41.67	17.79	32.35	72.10	78	-5.90	PK
17070	45.36	0	200	V	41.70	17.79	32.35	72.50	78	-5.50	PK

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	41.78	0	100	H	38.84	15.61	34.40	61.83	84	-22.17	PK
11060	30.34	0	100	H	38.84	15.61	34.40	50.39	64	-13.61	AV
11060	42.39	0	100	V	38.82	15.61	34.40	62.42	84	-21.58	PK
11060	30.24	0	100	V	38.82	15.61	34.40	50.27	64	-13.73	AV
16590	46.58	0	300	H	39.42	15.26	33.00	68.26	78	-9.74	PK
16590	47.48	0	290	V	39.42	15.26	33.00	69.16	78	-8.84	PK
Mid Channel 5610 MHz VHT 80 mode power setting: 17											
11220	42.81	0	100	H	38.92	14.25	34.09	61.89	84	-22.11	PK
11220	30.65	0	100	H	38.92	14.25	34.09	49.73	64	-14.27	AV
11220	42.97	0	100	V	38.86	14.25	34.09	61.99	84	-22.01	PK
11220	30.63	0	100	V	38.86	14.25	34.09	49.65	64	-14.35	AV
16830	44.06	0	231	H	40.80	18.13	32.69	70.30	78	-7.70	PK
16830	44.70	0	218	V	40.78	18.13	32.69	70.92	78	-7.08	PK
High Channel 5690 MHz VHT 80 mode power setting: 17											
11380	42.11	0	100	H	38.92	15.25	33.89	62.39	84	-21.61	PK
11380	30.22	0	100	H	38.92	15.25	33.89	50.50	64	-13.50	AV
11380	42.24	0	100	V	38.91	15.25	33.89	62.51	84	-21.49	PK
11380	30.17	0	100	V	38.91	15.25	33.89	50.44	64	-13.56	AV
17070	43.54	0	100	H	41.67	17.79	32.35	70.65	78	-7.35	PK
17070	44.10	0	169	V	41.70	17.79	32.35	71.24	78	-6.76	PK

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	42.88	0	100	H	38.84	15.61	34.40	62.93	84	-21.07	PK
11060	30.74	0	100	H	38.84	15.61	34.40	50.79	64	-13.21	AV
11060	43.35	0	100	V	38.82	15.61	34.40	63.38	84	-20.62	PK
11060	30.73	0	100	V	38.82	15.61	34.40	50.76	64	-13.24	AV
16590	47.66	0	295	H	39.42	15.26	33.00	69.34	78	-8.66	PK
16590	50.11	0	292	V	39.42	15.26	33.00	71.79	78	-6.21	PK
Mid Channel 5610 MHz HE 80 mode power setting: 17											
11220	42.50	0	100	H	38.92	14.25	34.09	61.58	84	-22.42	PK
11220	30.71	0	100	H	38.92	14.25	34.09	49.79	64	-14.21	AV
11220	43.06	0	100	V	38.86	14.25	34.09	62.08	84	-21.92	PK
11220	30.77	0	100	V	38.86	14.25	34.09	49.79	64	-14.21	AV
16830	48.14	25	277	H	40.80	18.13	32.69	74.38	78	-3.62	PK
16830	49.81	2	254	V	40.78	18.13	32.69	76.03	78	-1.97	PK
High Channel 5690 MHz HE 80 mode power setting: 17											
11380	42.19	0	100	H	38.92	15.25	33.89	62.47	84	-21.53	PK
11380	30.28	0	100	H	38.92	15.25	33.89	50.56	64	-13.44	AV
11380	41.89	0	100	V	38.91	15.25	33.89	62.16	84	-21.84	PK
11380	30.27	0	100	V	38.91	15.25	33.89	50.54	64	-13.46	AV
17070	42.21	0	100	H	41.67	17.79	32.35	69.32	78	-8.68	PK
17070	44.74	0	194	V	41.70	17.79	32.35	71.88	78	-6.12	PK

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	43.31	0	100	H	38.93	14.03	34.27	62.00	84	-22.00	PK
11140	30.43	0	100	H	38.93	14.03	34.27	49.12	64	-14.88	AV
11140	43.11	0	100	V	38.91	14.03	34.27	61.78	84	-22.22	PK
11140	30.47	0	100	V	38.91	14.03	34.27	49.14	64	-14.86	AV
16710	42.73	0	263	H	38.88	20.78	33.55	68.84	78	-9.16	PK
16710	49.70	2	200	V	38.77	20.78	33.55	75.70	78	-2.30	PK
Channel 5570 MHz VHT160 mode power setting: 17											
11140	43.65	0	100	H	38.93	14.03	34.27	62.34	84	-21.66	PK
11140	31.49	0	100	H	38.93	14.03	34.27	50.18	64	-13.82	AV
11140	43.16	0	100	V	38.91	14.03	34.27	61.83	84	-22.17	PK
11140	31.50	0	100	V	38.91	14.03	34.27	50.17	64	-13.83	AV
16710	42.35	0	100	H	38.88	20.78	33.55	68.46	78	-9.54	PK
16710	46.64	0	208	V	38.77	20.78	33.55	72.64	78	-5.36	PK
Channel 5570 MHz HE160 mode power setting: 17											
11140	43.61	0	100	H	38.93	14.03	34.27	62.30	84	-21.70	PK
11140	31.48	0	100	H	38.93	14.03	34.27	50.17	64	-13.83	AV
11140	43.60	0	100	V	38.91	14.03	34.27	62.27	84	-21.73	PK
11140	31.38	0	100	V	38.91	14.03	34.27	50.05	64	-13.95	AV
16710	43.12	0	100	H	38.88	20.78	33.55	69.23	78	-8.77	PK
16710	48.35	2	200	V	38.77	20.78	33.55	74.35	78	-3.65	PK

5735 - 5835 MHz

Frequency (MHz)	S.A. Reading (dBµV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre-Amp. (dB)	Cord. Reading (dBµV/m)	FCC/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	42.31	0	100	H	38.95	15.57	33.83	63.00	84	-21.00	PK
11490	28.61	0	100	H	38.95	15.57	33.83	49.30	64	-14.70	AV
11490	42.36	0	100	V	39.00	15.57	33.83	63.10	84	-20.90	PK
11490	28.55	0	100	V	39.00	15.57	33.83	49.29	64	-14.71	AV
17235	44.09	90	270	H	43.36	17.90	32.10	73.25	78	-4.75	PK
17235	42.24	0	100	V	43.43	17.90	32.10	71.47	78	-6.53	PK
Mid Channel 5785 MHz Non HT20 mode power setting: 17											
11570	42.62	0	100	H	39.01	15.58	34.01	63.20	84	-20.80	PK
11570	29.32	0	100	H	39.01	15.58	34.01	49.90	64	-14.10	AV
11570	42.80	0	100	V	39.01	15.58	34.01	63.38	84	-20.62	PK
11570	29.39	0	100	V	39.01	15.58	34.01	49.97	64	-14.03	AV
17355	44.25	353	300	H	43.87	17.98	31.97	74.13	78	-3.87	PK
17355	46.84	20	274	V	43.92	17.98	31.97	76.77	78	-1.23	PK
High Channel 5825 MHz Non HT20 mode power setting: 17											
11650	43.42	0	100	H	38.65	14.49	34.21	62.35	84	-21.65	PK
11650	30.01	0	100	H	38.65	14.49	34.21	48.94	64	-15.06	AV
11650	43.54	0	100	V	39.13	14.49	34.21	62.95	84	-21.05	PK
11650	29.92	0	100	V	39.13	14.49	34.21	49.33	64	-14.67	AV
17475	44.82	84	260	H	44.42	18.35	31.95	75.64	78	-2.36	PK
17475	42.62	0	100	V	44.53	18.35	31.95	73.55	78	-4.45	PK

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	41.98	0	100	H	38.95	15.57	33.83	62.67	84	-21.33	PK
11490	29.09	0	100	H	38.95	15.57	33.83	49.78	64	-14.22	AV
11490	42.03	0	100	V	39.00	15.57	33.83	62.77	84	-21.23	PK
11490	29.18	0	100	V	39.00	15.57	33.83	49.92	64	-14.08	AV
17235	45.48	298	275	H	43.36	17.90	32.10	74.64	78	-3.36	PK
17235	42.30	0	100	V	43.43	17.90	32.10	71.53	78	-6.47	PK
Mid Channel 5785 MHz HT/VHT20 mode power setting: 17											
11570	42.90	0	100	H	39.01	15.58	34.01	63.48	84	-20.52	PK
11570	29.72	0	100	H	39.01	15.58	34.01	50.30	64	-13.70	AV
11570	42.77	0	100	V	39.01	15.58	34.01	63.35	84	-20.65	PK
11570	29.62	0	100	V	39.01	15.58	34.01	50.20	64	-13.80	AV
17355	44.36	75	245	H	43.87	17.98	31.97	74.24	78	-3.76	PK
17355	42.56	0	100	V	43.92	17.98	31.97	72.49	78	-5.51	PK
High Channel 5825 MHz HT/VHT20 mode power setting: 17											
11650	43.34	0	100	H	38.65	14.49	34.21	62.27	84	-21.73	PK
11650	30.51	0	100	H	38.65	14.49	34.21	49.44	64	-14.56	AV
11650	43.41	0	100	V	39.13	14.49	34.21	62.82	84	-21.18	PK
11650	30.47	0	100	V	39.13	14.49	34.21	49.88	64	-14.12	AV
17475	43.80	85	255	H	44.42	18.35	31.95	74.62	78	-3.38	PK
17475	42.19	0	100	V	44.53	18.35	31.95	73.12	78	-4.88	PK

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	42.57	0	100	H	38.95	15.57	33.83	63.26	84	-20.74	PK
11490	29.19	0	100	H	38.95	15.57	33.83	49.88	64	-14.12	AV
11490	41.95	0	100	V	39.00	15.57	33.83	62.69	84	-21.31	PK
11490	29.16	0	100	V	39.00	15.57	33.83	49.90	64	-14.10	AV
17235	45.19	86	260	H	43.36	17.90	32.10	74.35	78	-3.65	PK
17235	42.14	0	100	V	43.43	17.90	32.10	71.37	78	-6.63	PK
Mid Channel 5785 MHz HE20 mode power setting: 17											
11570	42.42	0	100	H	39.01	15.58	34.01	63.00	84	-21.00	PK
11570	29.56	0	100	H	39.01	15.58	34.01	50.14	64	-13.86	AV
11570	42.63	0	100	V	39.01	15.58	34.01	63.21	84	-20.79	PK
11570	29.56	0	100	V	39.01	15.58	34.01	50.14	64	-13.86	AV
17355	43.16	351	290	H	43.87	17.98	31.97	73.04	78	-4.96	PK
17355	42.58	0	100	V	43.92	17.98	31.97	72.51	78	-5.49	PK
High Channel 5825 MHz HE20 mode power setting: 17											
11650	43.33	0	100	H	38.65	14.49	34.21	62.26	84	-21.74	PK
11650	30.54	0	100	H	38.65	14.49	34.21	49.47	64	-14.53	AV
11650	42.98	0	100	V	39.13	14.49	34.21	62.39	84	-21.61	PK
11650	30.50	0	100	V	39.13	14.49	34.21	49.91	64	-14.09	AV
17475	42.53	356	295	H	44.42	18.35	31.95	73.35	78	-4.65	PK
17475	41.81	0	100	V	44.53	18.35	31.95	72.74	78	-5.26	PK

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	41.65	0	100	H	38.95	15.57	33.83	62.34	84	-21.66	PK
11510	28.65	0	100	H	38.95	15.57	33.83	49.34	64	-14.66	AV
11510	42.06	0	100	V	39.00	15.57	33.83	62.80	84	-21.20	PK
11510	28.60	0	100	V	39.00	15.57	33.83	49.34	64	-14.66	AV
17265	46.00	126	276	H	43.36	17.90	32.10	75.16	78	-2.84	PK
17265	46.61	356	190	V	43.43	17.90	32.10	75.84	78	-2.16	PK
High Channel 5795 MHz Non HT40 mode power setting: 17											
11590	43.14	0	100	H	39.01	15.58	34.01	63.72	84	-20.28	PK
11590	29.30	0	100	H	39.01	15.58	34.01	49.88	64	-14.12	AV
11590	42.77	0	100	V	39.01	15.58	34.01	63.35	84	-20.65	PK
11590	29.30	0	100	V	39.01	15.58	34.01	49.88	64	-14.12	AV
17385	45.95	353	287	H	43.87	17.98	31.97	75.83	78	-2.17	PK
17385	48.03	3	215	V	43.92	17.98	31.97	77.96	78	-0.04	PK

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	41.72	0	100	H	38.95	15.57	33.83	62.41	84	-21.59	PK
11510	29.21	0	100	H	38.95	15.57	33.83	49.90	64	-14.10	AV
11510	41.88	0	100	V	39.00	15.57	33.83	62.62	84	-21.38	PK
11510	29.25	0	100	V	39.00	15.57	33.83	49.99	64	-14.01	AV
17265	42.63	0	280	H	43.36	17.90	32.10	71.79	78	-6.21	PK
17265	47.72	3	245	V	43.43	17.90	32.10	76.95	78	-1.05	PK
High Channel 5795 MHz HT/VHT40 mode power setting: 17											
11590	42.94	0	100	H	39.01	15.58	34.01	63.52	84	-20.48	PK
11590	29.46	0	100	H	39.01	15.58	34.01	50.04	64	-13.96	AV
11590	42.98	0	100	V	39.01	15.58	34.01	63.56	84	-20.44	PK
11590	29.50	0	100	V	39.01	15.58	34.01	50.08	64	-13.92	AV
17385	45.96	0	222	H	43.87	17.98	31.97	75.84	78	-2.16	PK
17385	46.32	0	212	V	43.92	17.98	31.97	76.25	78	-1.75	PK

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	42.08	0	100	H	38.95	15.57	33.83	62.77	84	-21.23	PK
11510	29.39	0	100	H	38.95	15.57	33.83	50.08	64	-13.92	AV
11510	42.11	0	100	V	39.00	15.57	33.83	62.85	84	-21.15	PK
11510	29.44	0	100	V	39.00	15.57	33.83	50.18	64	-13.82	AV
17265	42.81	350	278	H	43.36	17.90	32.10	71.97	78	-6.03	PK
17265	48.50	2	222	V	43.43	17.90	32.10	77.73	78	-0.27	PK
High Channel 5795 MHz HE40 mode power setting: 17											
11590	43.21	0	100	H	39.01	15.58	34.01	63.79	84	-20.21	PK
11590	29.82	0	100	H	39.01	15.58	34.01	50.40	64	-13.60	AV
11590	43.28	0	100	V	39.01	15.58	34.01	63.86	84	-20.14	PK
11590	29.91	0	100	V	39.01	15.58	34.01	50.49	64	-13.51	AV
17385	41.88	355	281	H	43.87	17.98	31.97	71.76	78	-6.24	PK
17385	47.82	19	276	V	43.92	17.98	31.97	77.75	78	-0.25	PK

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	41.52	0	100	H	39.01	15.58	34.01	62.10	84	-21.90	PK
11550	28.77	0	100	H	39.01	15.58	34.01	49.35	64	-14.65	AV
11550	41.58	0	100	V	39.01	15.58	34.01	62.16	84	-21.84	PK
11550	28.77	0	100	V	39.01	15.58	34.01	49.35	64	-14.65	AV
17325	43.10	352	290	H	43.46	17.98	32.01	72.53	78	-5.47	PK
17325	48.34	2	228	V	43.42	17.98	32.01	77.73	78	-0.27	PK
High Channel 5775 MHz VHT80 mode power setting: 17											
11550	41.64	0	100	H	39.01	15.58	34.01	62.22	84	-21.78	PK
11550	29.46	0	100	H	39.01	15.58	34.01	50.04	64	-13.96	AV
11550	41.68	0	100	V	39.01	15.58	34.01	62.26	84	-21.74	PK
11550	29.52	0	100	V	39.01	15.58	34.01	50.10	64	-13.90	AV
17325	41.59	352	280	H	43.46	17.98	32.01	71.02	78	-6.98	PK
17325	45.86	3	227	V	43.42	17.98	32.01	75.25	78	-2.75	PK
High Channel 5775 MHz HE80 mode power setting: 17											
11550	42.10	0	100	H	39.01	15.58	34.01	62.68	84	-21.32	PK
11550	29.60	0	100	H	39.01	15.58	34.01	50.18	64	-13.82	AV
11550	42.15	0	100	V	39.01	15.58	34.01	62.73	84	-21.27	PK
11550	29.60	0	100	V	39.01	15.58	34.01	50.18	64	-13.82	AV
17325	41.53	355	292	H	43.46	17.98	32.01	70.96	78	-7.04	PK
17325	46.80	2	228	V	43.42	17.98	32.01	76.19	78	-1.81	PK

5GHz AUX (DART)

5150 - 5250 MHz

Frequency (MHz)	S.A. Reading (dBµV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre-Amp. (dB)	Cord. Reading (dBµV/m)	FCC/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	44.69	0	100	H	38.57	13.71	34.63	62.34	78	-15.66	PK
10360	44.54	0	100	V	38.54	13.71	34.63	62.16	78	-15.84	PK
Mid Channel 5220 MHz Non HT20 mode power setting: 17											
10440	44.30	0	100	H	38.75	13.71	34.63	62.13	78	-15.87	PK
10440	43.94	0	100	V	38.74	13.71	34.63	61.76	78	-16.24	PK
High Channel 5240 MHz Non HT20 mode power setting: 17											
10480	44.32	0	100	H	38.57	13.92	34.51	62.30	78	-15.71	PK
10480	44.18	0	100	V	38.57	13.92	34.51	62.16	78	-15.84	PK

5250 - 5350 MHz

Frequency (MHz)	S.A. Reading (dBµV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre-Amp. (dB)	Cord. Reading (dBµV/m)	FCC/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	44.25	0	100	H	38.57	13.92	34.51	62.23	78	-15.78	PK
10520	44.39	0	100	V	38.57	13.92	34.51	62.37	78	-15.63	PK
Mid Channel 5300 MHz Non HT20 mode power setting: 17											
10600	44.90	0	100	H	39.34	19.29	32.58	70.95	84	-13.05	PK
10600	31.64	0	100	H	39.34	19.29	32.58	57.69	64	-6.31	AV
10600	44.33	0	100	V	39.34	19.29	32.58	70.38	84	-13.62	PK
10600	31.61	0	100	V	39.34	19.29	32.58	57.66	64	-6.34	AV
High Channel 5320MHz Non HT20 mode power setting: 17											
10640	44.52	0	100	H	39.34	19.29	32.58	70.57	84	-13.43	PK
10640	31.64	0	100	H	39.34	19.29	32.58	57.69	64	-6.31	AV
10640	44.64	0	100	V	39.34	19.29	32.58	70.69	84	-13.31	PK
10640	31.68	0	100	V	39.34	19.29	32.58	57.73	64	-6.27	AV

5490 - 5730 MHz

Frequency (MHz)	S.A. Reading (dBµV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre-Amp. (dB)	Cord. Reading (dBµV/m)	FCC/ISEDC		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBµV/m)	Margin (dB)	
Low Channel 5500 MHz Non HT20 mode power setting: 17											
11000	43.30	0	100	H	38.84	13.90	34.40	61.64	84	-22.36	PK
11000	31.04	0	100	H	38.84	13.90	34.40	49.38	64	-14.62	AV
11000	43.40	0	100	V	38.82	13.90	34.40	61.72	84	-22.28	PK
11000	30.93	0	100	V	38.82	13.90	34.40	49.25	64	-14.75	AV
Mid Channel 5580 MHz Non HT20 mode power setting: 17											
11160	43.93	0	100	H	38.92	14.04	34.09	62.80	84	-21.20	PK
11160	31.15	0	100	H	38.92	14.04	34.09	50.02	64	-13.98	AV
11160	43.56	0	100	V	38.86	14.04	34.09	62.37	84	-21.63	PK
11160	31.35	0	100	V	38.86	14.04	34.09	50.16	64	-13.84	AV
High Channel 5700 MHz Non HT20 mode power setting: 17											
11400	43.50	0	100	H	38.96	15.62	33.78	64.30	84	-19.70	PK
11400	30.63	0	100	H	38.96	15.62	33.78	51.43	64	-12.57	AV
11400	43.26	0	100	V	38.95	15.62	33.78	64.05	84	-19.95	PK
11400	30.73	0	100	V	38.95	15.62	33.78	51.52	64	-12.48	AV
High Channel 5720 MHz Non HT20 mode power setting: 17											
11460	42.36	0	100	H	38.94	15.62	33.83	63.09	84	-20.91	PK
11460	30.39	0	100	H	38.94	15.62	33.83	51.12	64	-12.88	AV
11460	42.71	0	100	V	38.95	15.62	33.83	63.45	84	-20.55	PK
11460	30.45	0	100	V	38.95	15.62	33.83	51.19	64	-12.81	AV

5735 - 5835 MHz

Frequency (MHz)	S.A. Reading (dBµV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre-Amp. (dB)	Cord. Reading (dBµV/m)	FCC/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	42.54	0	100	H	38.95	15.57	33.83	63.23	84	-20.77	PK
11490	30.12	0	100	H	38.95	15.57	33.83	50.81	64	-13.19	AV
11490	43.06	0	100	V	39.00	15.57	33.83	63.80	84	-20.20	PK
11490	30.03	0	100	V	39.00	15.57	33.83	50.77	64	-13.23	AV
Mid Channel 5785 MHz Non HT20 mode power setting: 17											
11570	42.88	0	100	H	39.01	15.58	34.01	63.46	84	-20.54	PK
11570	30.60	0	100	H	39.01	15.58	34.01	51.18	64	-12.82	AV
11570	43.19	0	100	V	39.01	15.58	34.01	63.77	84	-20.23	PK
11570	30.58	0	100	V	39.01	15.58	34.01	51.16	64	-12.84	AV
High Channel 5825 MHz Non HT20 mode power setting: 17											
11650	44.13	0	100	H	38.65	14.49	34.21	63.06	84	-20.94	PK
11650	31.30	0	100	H	38.65	14.49	34.21	50.23	64	-13.77	AV
11650	43.95	0	100	V	39.13	14.49	34.21	63.36	84	-20.64	PK
11650	31.33	0	100	V	39.13	14.49	34.21	50.74	64	-13.26	AV

5GHz AUX (TNC)

5150 - 5250 MHz

Frequency (MHz)	S.A. Reading (dBµV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre-Amp. (dB)	Cord. Reading (dBµV/m)	FCC/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	43.99	0	100	H	38.57	13.71	34.63	61.64	78	-16.36	PK
10360	44.25	0	100	V	38.54	13.71	34.63	61.87	78	-16.13	PK
Mid Channel 5220 MHz Non HT20 mode power setting: 17											
10440	44.73	0	100	H	38.75	13.71	34.63	62.56	78	-15.44	PK
10440	44.40	0	100	V	38.74	13.71	34.63	62.22	78	-15.78	PK
High Channel 5240 MHz Non HT20 mode power setting: 17											
10480	44.18	0	100	H	38.57	13.92	34.51	62.16	78	-15.85	PK
10480	44.12	0	100	V	38.57	13.92	34.51	62.10	78	-15.90	PK

5250 - 5350 MHz

Frequency (MHz)	S.A. Reading (dBµV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre-Amp. (dB)	Cord. Reading (dBµV/m)	FCC/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	45.36	0	100	H	38.57	13.92	34.51	63.34	78	-14.67	PK
10520	44.91	0	100	V	38.57	13.92	34.51	62.89	78	-15.11	PK
Mid Channel 5300 MHz Non HT20 mode power setting: 17											
10600	44.79	0	100	H	39.34	19.29	32.58	70.84	84	-13.16	PK
10600	31.97	0	100	H	39.34	19.29	32.58	58.02	64	-5.98	AV
10600	44.67	0	100	V	39.34	19.29	32.58	70.72	84	-13.28	PK
10600	31.94	0	100	V	39.34	19.29	32.58	57.99	64	-6.01	AV
High Channel 5320MHz Non HT20 mode power setting: 17											
10640	44.44	0	100	H	39.34	19.29	32.58	70.49	84	-13.51	PK
10640	32.02	0	100	H	39.34	19.29	32.58	58.07	64	-5.93	AV
10640	45.51	0	100	V	39.34	19.29	32.58	71.56	84	-12.44	PK
10640	32.07	0	100	V	39.34	19.29	32.58	58.12	64	-5.88	AV

5490 - 5730 MHz

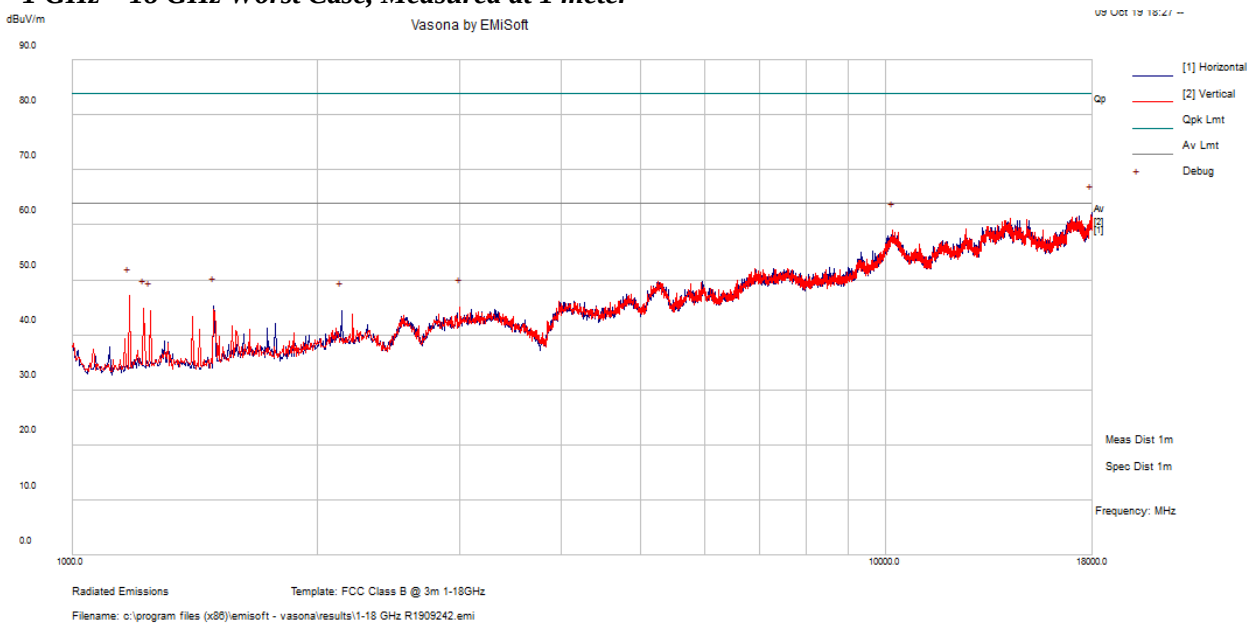
Frequency (MHz)	S.A. Reading (dBµV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre-Amp. (dB)	Cord. Reading (dBµV/m)	FCC/ISEDC		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBµV/m)	Margin (dB)	
Low Channel 5500 MHz Non HT20 mode power setting: 17											
11000	43.95	0	100	H	38.84	13.90	34.40	62.29	84	-21.71	PK
11000	31.24	0	100	H	38.84	13.90	34.40	49.58	64	-14.42	AV
11000	45.06	0	100	V	38.82	13.90	34.40	63.38	84	-20.62	PK
11000	32.36	0	100	V	38.82	13.90	34.40	50.68	64	-13.32	AV
Mid Channel 5580 MHz Non HT20 mode power setting: 17											
11160	44.00	0	100	H	38.92	14.04	34.09	62.87	84	-21.13	PK
11160	31.21	0	100	H	38.92	14.04	34.09	50.08	64	-13.92	AV
11160	43.92	0	100	V	38.86	14.04	34.09	62.73	84	-21.27	PK
11160	31.42	0	100	V	38.86	14.04	34.09	50.23	64	-13.77	AV
High Channel 5700 MHz Non HT20 mode power setting: 17											
11400	43.33	0	100	H	38.96	15.62	33.78	64.13	84	-19.87	PK
11400	30.79	0	100	H	38.96	15.62	33.78	51.59	64	-12.41	AV
11400	43.49	0	100	V	38.95	15.62	33.78	64.28	84	-19.72	PK
11400	30.92	0	100	V	38.95	15.62	33.78	51.71	64	-12.29	AV
High Channel 5720 MHz Non HT20 mode power setting: 17											
11460	42.54	0	100	H	38.94	15.62	33.83	63.27	84	-20.73	PK
11460	30.46	0	100	H	38.94	15.62	33.83	51.19	64	-12.81	AV
11460	42.26	0	100	V	38.95	15.62	33.83	63.00	84	-21.00	PK
11460	30.34	0	100	V	38.95	15.62	33.83	51.08	64	-12.92	AV

5735 - 5835 MHz

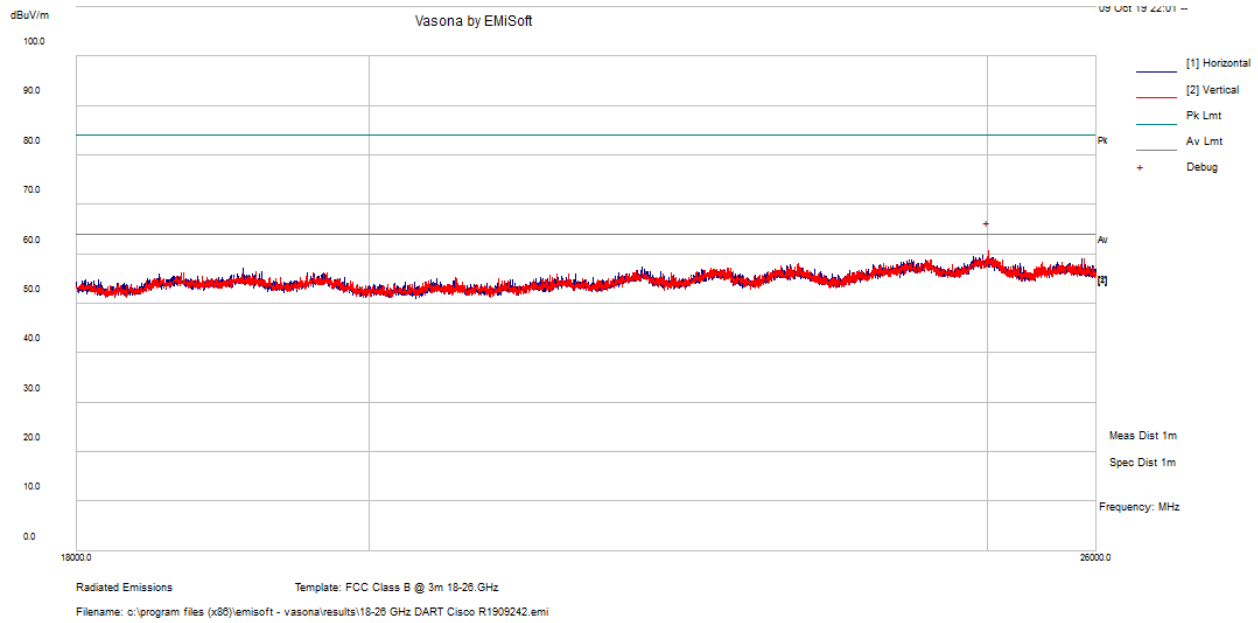
Frequency (MHz)	S.A. Reading (dBµV)	Turntable Azimuth (degrees)	Test Antenna			Cable Loss (dB)	Pre-Amp. (dB)	Cord. Reading (dBµV/m)	FCC/ISEDC		Comments
			Height (cm)	Polarity (H/V)	Factor (dB/m)				Limit (dBµV/m)	Margin (dB)	
Low Channel 5745 MHz Non HT20 mode power setting: 17											
11490	42.89	0	100	H	38.95	15.57	33.83	63.58	84	-20.42	PK
11490	30.41	0	100	H	38.95	15.57	33.83	51.10	64	-12.90	AV
11490	43.12	0	100	V	39.00	15.57	33.83	63.86	84	-20.14	PK
11490	30.49	0	100	V	39.00	15.57	33.83	51.23	64	-12.77	AV
Mid Channel 5785 MHz Non HT20 mode power setting: 17											
11570	43.27	0	100	H	39.01	15.58	34.01	63.85	84	-20.15	PK
11570	30.49	0	100	H	39.01	15.58	34.01	51.07	64	-12.93	AV
11570	42.90	0	100	V	39.01	15.58	34.01	63.48	84	-20.52	PK
11570	30.45	0	100	V	39.01	15.58	34.01	51.03	64	-12.97	AV
High Channel 5825 MHz Non HT20 mode power setting: 17											
11650	44.56	0	100	H	38.65	14.49	34.21	63.49	84	-20.51	PK
11650	31.39	0	100	H	38.65	14.49	34.21	50.32	64	-13.68	AV
11650	43.82	0	100	V	39.13	14.49	34.21	63.23	84	-20.77	PK
11650	31.42	0	100	V	39.13	14.49	34.21	50.83	64	-13.17	AV

Worst Case Colocation: BLE 2426 MHz, 5 GHz XOR Wifi VHT20 mode 5220 MHz, 5GHz Wifi Aux(DART) nonHT20 mode 5745 MHz and 5 GHz Wi-Fi VHT160 mode 5250 MHz

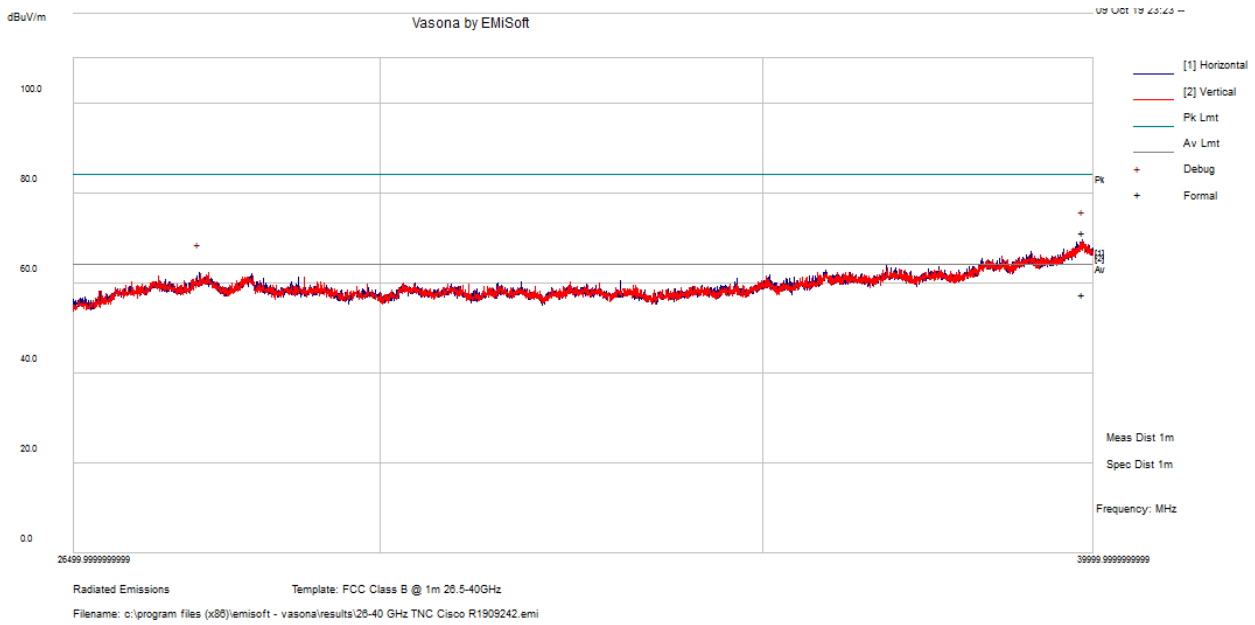
1 GHz – 18 GHz Worst Case, Measured at 1 meter



18 GHz – 26.5 GHz Worst Case, Measured at 1 meter

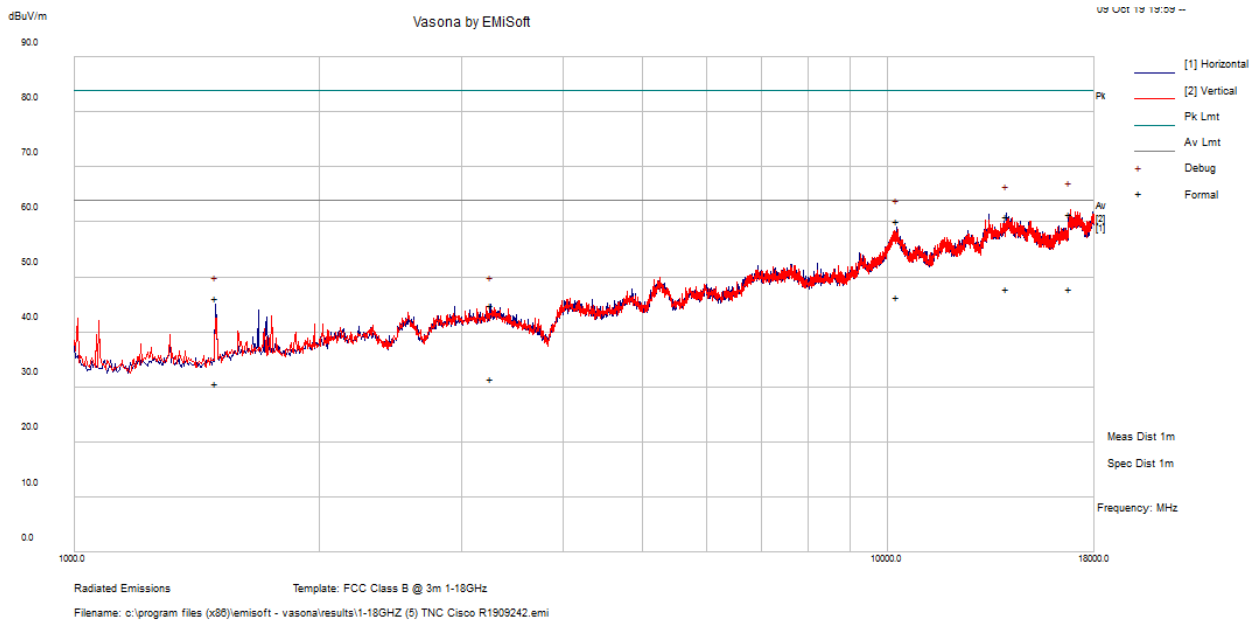


26.5 GHz – 40 GHz Worst Case, Measured at 1 meter

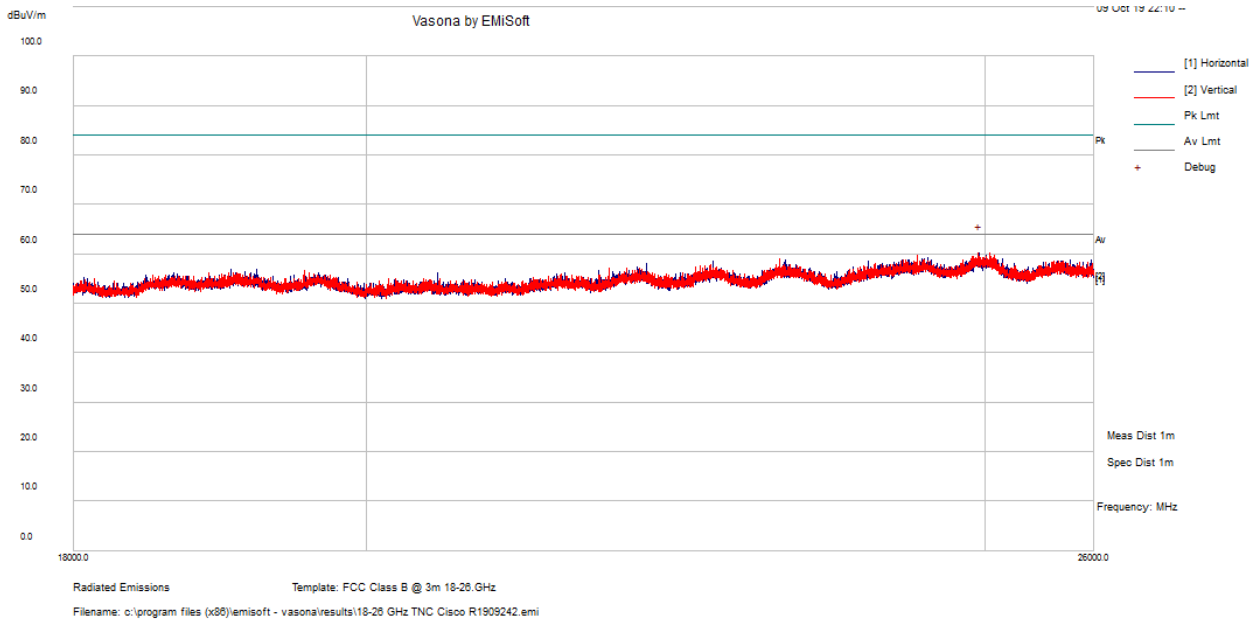


Worst Case Colocation: BLE 2426 MHz, 5 GHz XOR Wifi VHT20 mode 5220 MHz, 5GHz Wifi Aux(TNC) nonHT20 mode 5745 MHz and 5 GHz Wi-Fi VHT160 mode 5250 MHz

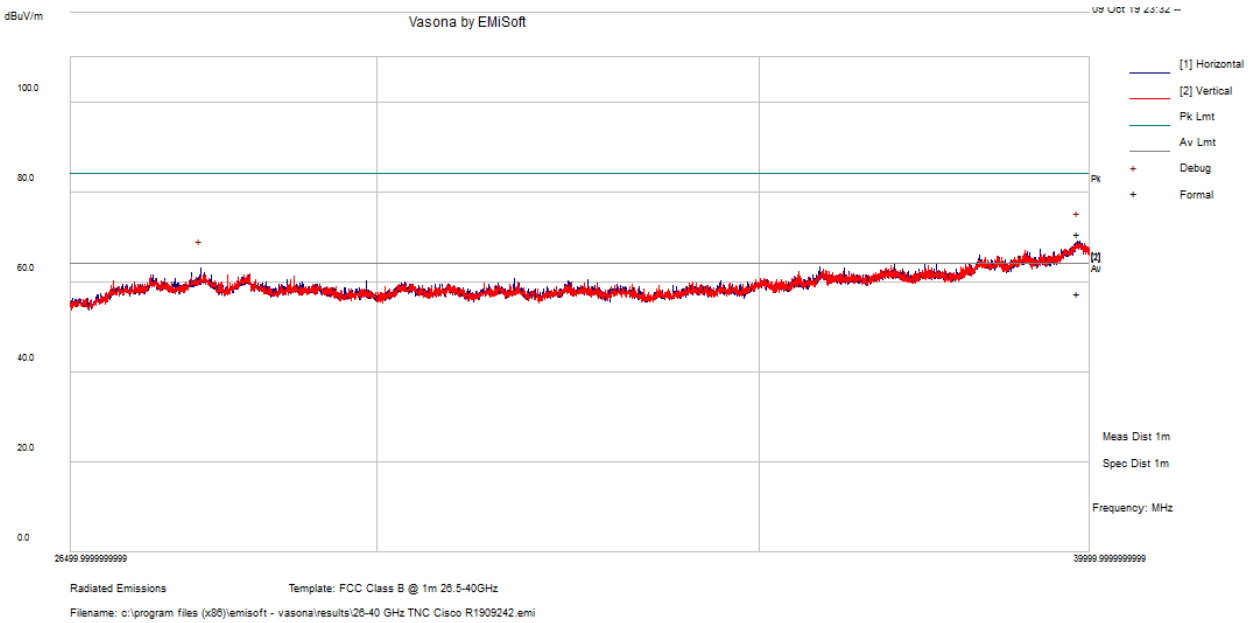
1 GHz – 18 GHz Worst Case, Measured at 1 meter



18 GHz – 26.5 GHz Worst Case, Measured at 1 meter



26.5 GHz – 40 GHz Worst Case, Measured at 1 meter



6 Annex A- EUT Test Setup Photographs

Please refer to the attachment

7 Annex B- EUT External Photographs

Please refer to the attachment

8 Annex C- EUT Internal Photographs

Please refer to the attachment

9 Annex 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 June 5, 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 ---