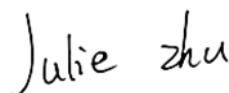
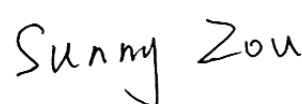


TEST REPORT

Applicant: Analogue Enterprises Ltd.
Address: Unit J, 2/F., Po Ming Building, No. 2-6 Foo Ming Street, Causeway Bay, Hong Kong, China
Equipment Type: A3D
Model Name: A3D
Brand Name: Analogue
FCC ID: 2AZVE-A3D-C
ISED Number: 32928-A3D
Test Standard: 47 CFR Part 15 Subpart E
RSS-Gen Issue 5
RSS-247 Issue 3
(refer to section 3.1)
Sample Arrival Date: Jan. 20, 2025
Test Date: Jan. 20, 2025 - Jan. 24, 2025
Date of Issue: Aug. 13, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Julie Zhu**Checked by:** Ye Hongji**Approved by:** Sunny Zou
(Technical Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Aug. 13, 2025</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☒ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Analogue Enterprises Ltd.
Address	Unit J, 2/F., Po Ming Building, No. 2-6 Foo Ming Street, Causeway Bay, Hong Kong, China

2.2 Manufacturer Information

Manufacturer	Analogue Enterprises Ltd.
Address	Unit J, 2/F., Po Ming Building, No. 2-6 Foo Ming Street, Causeway Bay, Hong Kong, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	A3D
Model Name Under Test	A3D
Series Model Name	N/A
Description of Model name differentiation	N/A
Serial Number	A3D00000000001
Hardware Version	1
Software Version	1
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n and 802.11ac
-----------------------------------	--

The requirement for the following technical information of the EUT was tested in this report:

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
Product Type	☒ Mobile ☐ Portable ☐ Fix Location
Modulation technology	OFDM
Modulation Type	256QAM, 64QAM, 16QAM, BPSK, QPSK
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps 802.11ac: up to VHT-MCS9
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz 802.11ac: 20 MHz
Maximum Output Power	U-NII-1: 19.23 mW U-NII-2A: 19.32 mW U-NII-2C: 19.28 mW U-NII-3: 18.97 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	Ceramic Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: 3.65 dBi U-NII-2A: 5250 MHz to 5350 MHz: 3.75 dBi U-NII-2C: 5470 MHz to 5725 MHz: 2.52 dBi U-NII-3: 5725 MHz to 5850 MHz: 2.67 dBi
About the Product	The equipment is A3D, intended for used with information technology equipment.

Note: The above EUT information in section 2.4 was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

2.5 Channel List

20 MHz			
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	5180	116	5580
40	5200	120	5600
44	5220	124	5620
48	5240	128	5640
52	5260	132	5660
56	5280	136	5680
60	5300	140	5700
64	5320	149	5745
100	5500	153	5765
104	5520	157	5785
108	5540	161	5805
112	5560	165	5825

Note: This report equipment will not transmit in the 5600-5650 MHz frequency band when used in Canada. This restriction is to protect weather radars operating in this frequency band.

The Lowest frequency, the middle frequency and the highest frequency of channel were selected to perform the test, and the selected channel see below:

For 802.11a/n(HT20)/ac(VHT20)

U-NII-1 (5150 - 5250 MHz)			U-NII-2A (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
36	Low	5180	52	Low	5260
44	Mid	5220	60	Mid	5300
48	High	5240	64	High	5320

U-NII-2C (5470 - 5725 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
100	Low	5500	149	Low	5745
116	Mid	5580	157	Mid	5785
140	High	5700	165	High	5825

Note: Preliminary tests were performed in different data rate in above table to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items	Mode	Data Rate	Modulation Type	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
				Channel	Channel	Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
6 dB bandwidth	11a	6	BPSK	N/A	N/A	N/A	165/157/149
	11n(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11ac(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
Power Spectral Density	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
Band Edge (Restricted-band)	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E	Unlicensed National Information Infrastructure Devices
2	RSS-Gen Issue 5	General Requirements for Compliance of Radio Apparatus
3	RSS-247 Issue 3	Digital Transmission Systems (DTSs), Frequency Hopping Systems(FHSs) and Licence-Exemp Local Area Network (LE-LAN) Devices
4	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
5	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

3.2 Test Verdict

No.	Description	FCC Part No.	RSS Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	RSS-247, 6.2	--	Pass ^{Note1}
2	RF Output Power	15.407(a)	RSS-247, 6.2	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	RSS-247, 6.2	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	RSS-247, 6.2	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	RSS-247, 6.2	ANNEX A.4	Pass
6	Conducted Emission	15.207	RSS-GEN, 8.8	ANNEX A.5	Pass
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	RSS-247, 6.2	ANNEX A.6	Pass
8	Receiver Spurious Emissions	--	RSS-Gen, 7.1.2	--	N/A ^{Note2}

Note ¹: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.

Note ²: Only radio communication receivers operating in stand-alone mode within the U-NII-30-960 MHz, as well as scanner receivers, are subject to Industry Canada requirements, so this test is not applicable.

Note ³: Under all normal operating conditions specified in the user manual, frequency stability can keep radiation within the operating frequency band.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

During the measurement, the normal environmental conditions were within the listed ranges:

Relative Humidity	39% to 58%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.4℃ to +23.8℃
Working Voltage of the EUT	NV (Normal Voltage)	9 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2024.12.16	2025.12.15
Spectrum Analyzer	KEYSIGHT	N9020A	MY46471071	2024.07.04	2025.07.03
Power Sensor	KEYSIGHT	U2063XA	MY58000251	2024.07.04	2025.07.03
Spectrum Analyzer	KEYSIGHT	N9020A	MY52510065	2024.08.01	2025.07.31
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	01631	2022.02.23	2025.02.22
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Anechoic Chamber	RAINFORD	9m*6m*6m	144	2022.02.19	2025.09.03
Amplifier	COM-MV	LSCX_LNA1-12G-01	180602	2024.08.01	2025.07.31
Amplifier	COM-MV	XKu_LNA7-18G-01	180601	2024.08.01	2025.07.31
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2024.12.05	2025.12.04
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2024.08.01	2025.07.31
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-01162	2023.08.04	2026.08.03
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22
Amplifier	COM-MV	ZT30-1000M	B2018054558	2024.11.28	2025.11.27
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2024.07.13	2027.07.12
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2024.08.01	2025.07.31
LISN	SCHWARZBECK	NSLK 8127	8127-687	2024.05.09	2025.05.08
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2022.02.19	2025.02.18

4.3 Test Software List

Description	Manufacturer	Software Version	Serial No.	Applicable test Setup
BL410R	BALUN	V2.1.1.488	N/A	The section 4.5.1
BL410E	BALUN	V22.930	N/A	The section 4.5.2&4.5.3&4.5.4&4.5.5

4.4 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Parameters	Uncertainty
Occupied Channel Bandwidth	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.8°C
Humidity	4%

4.5 Description of Test Setup

4.5.1 For Antenna Port Test

Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

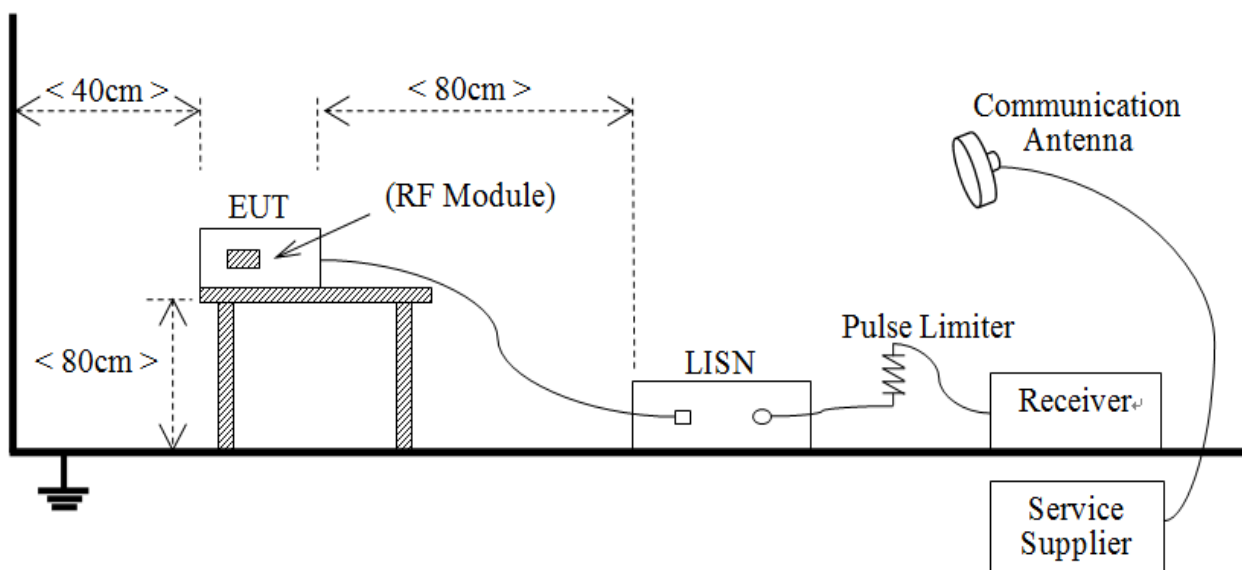
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

Conducted value (dBm) = 10 dBm + 0.5 dB = 10.5 dBm



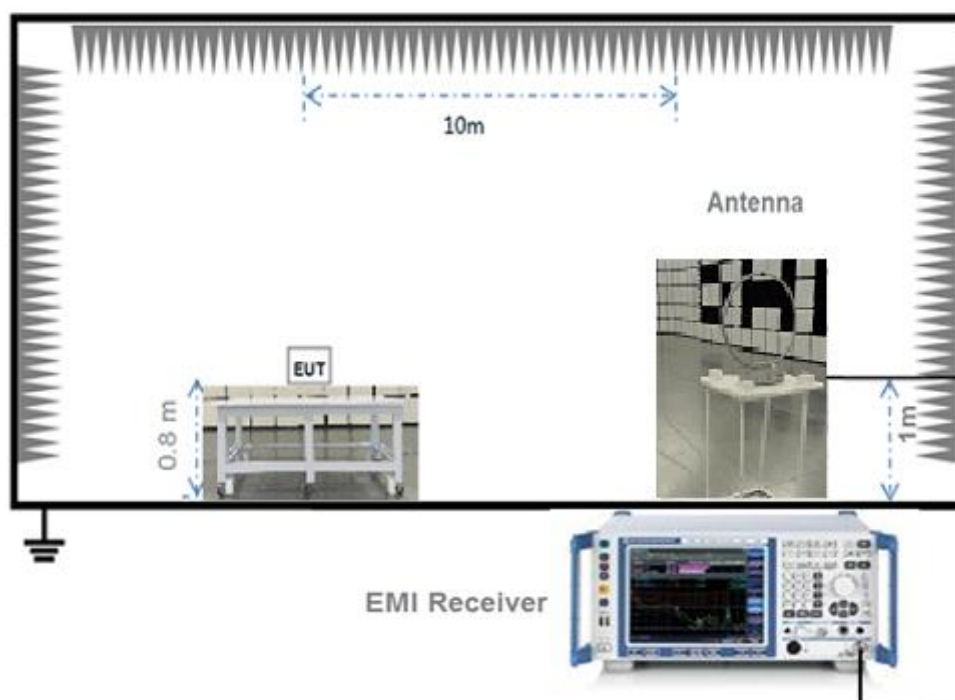
(Diagram 1)

4.5.2 For AC Power Supply Port Test



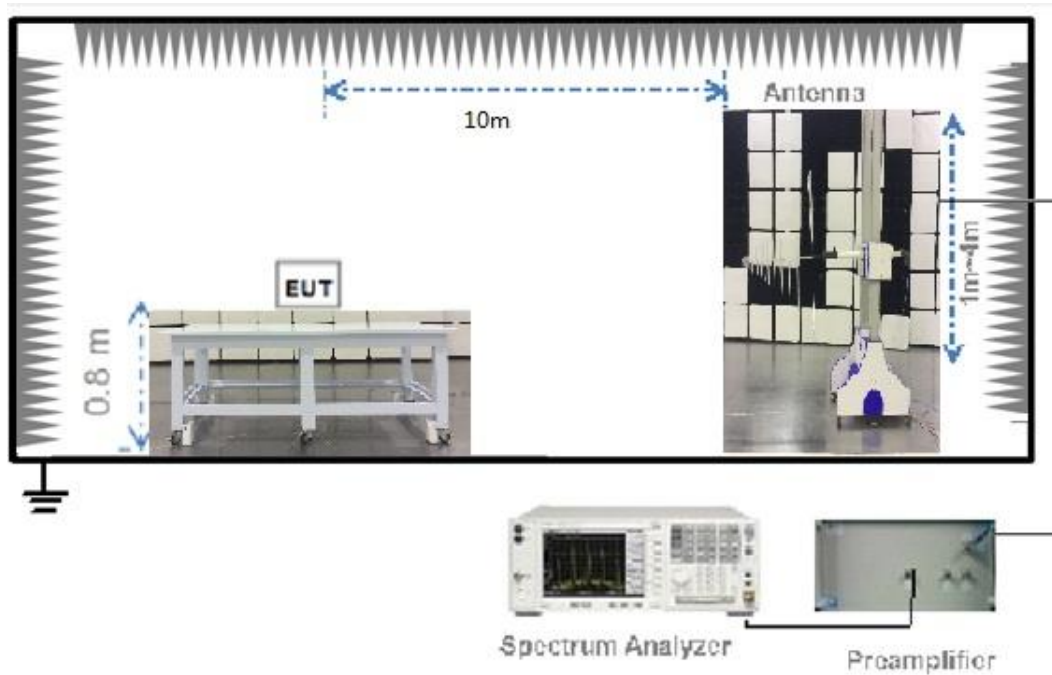
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



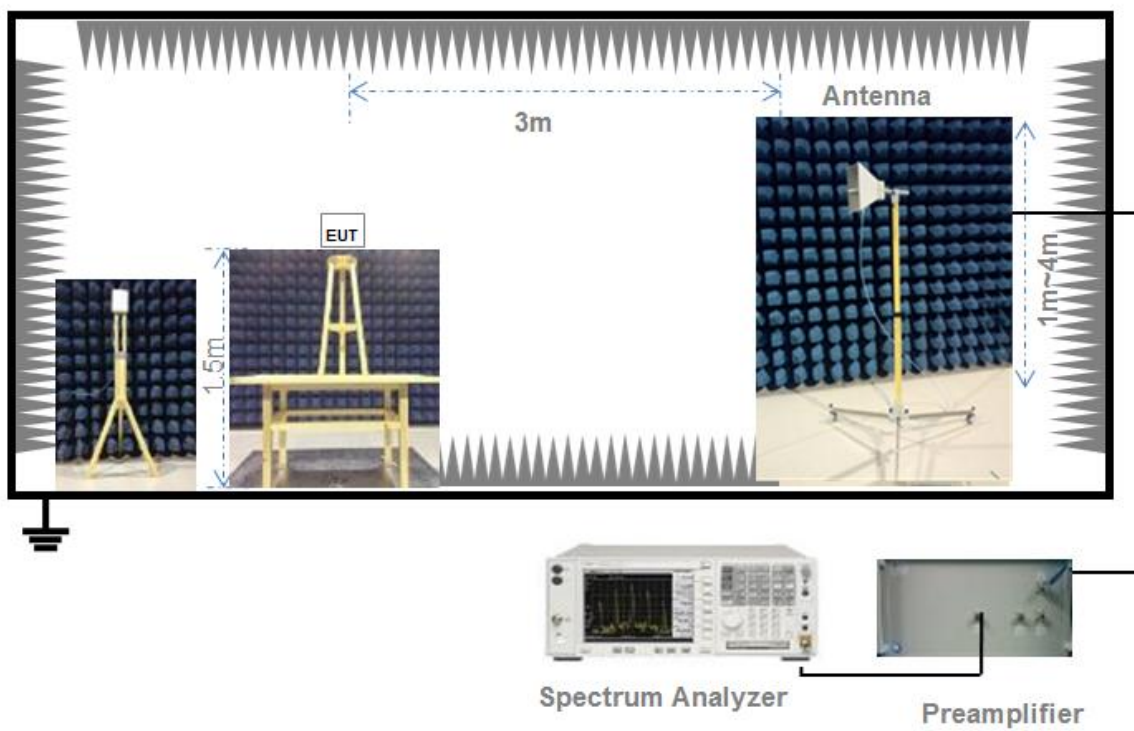
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

Frequency Band (MHz)	Limit
5150-5250	250 mW
5250-5350	250 mW or 11 dBm + 10log B, whichever is less.
5470-5725	250 mW or 11 dBm + 10log B, whichever is less.
5725-5850	1 W
Note: Where “B” is the 26 dB emissions bandwidth in MHz.	

RSS-247, 6.2

The maximum conducted output power shall not exceed:

Frequency Band (MHz)	Limit
5150-5250	N/A
5250-5350	250 mW or 11 dBm + 10log B, whichever is less.
5470-5725	250 mW or 11 dBm + 10log B, whichever is less.
5725-5850	1 W
Note: Where “B” is the 99% emissions bandwidth in MHz.	

The maximum e.i.r.p. shall not exceed:

Frequency Band (MHz)	Limit
5150-5250	200 mW or 10 dBm + 10log B, whichever is less.
5250-5350	1W or 17 dBm + 10log B, whichever is less.
5470-5725	1W or 17 dBm + 10log B, whichever is less.
5725-5850	N/A
Note1: Where “B” is the 99% emissions bandwidth in MHz.	
Note2: EIRP= maximum conducted output power+ Antenna Gain.	

5.1.2 Test Setup

The section 4.5.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.1.3 Test Procedure

Maximum conducted (average) output power

a) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied.

- 1) The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
- 2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.
- 3) The integration period of the power meter exceeds the repetition period of the transmitted signal by

at least a factor of five.

b) If the transmitter does not transmit continuously, measure the duty cycle (x) of the transmitter output signal.

c) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.

d) Adjust the measurement in dBm by adding $10 \log (1/x)$ where x is the duty cycle.

Measurements of duty cycle

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal.

Set the center frequency of the instrument to the center frequency of the transmission.

Set $RBW \geq OBW$ if possible; otherwise, set RBW to the largest available value.

Set $VBW \geq RBW$. Set detector = peak or average.

The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$ and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if $T \leq 16.7$ microseconds.)

The E.I.R.P used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a), RSS-247, 6.2

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

5.2.2 Test Setup

The test setup photo please refer to 4.5.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.2.3 Test Procedure

Emission bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set VBW $\geq 3 \times$ RBW,
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

Occupied Bandwidth

1. Set Span = 1.5 times to 5.0 times the OBW
2. Set RBW = 1% to 5% of the OBW.
3. Set VBW $\geq 3 \times$ RBW, Detector = Peak.
4. Trace mode = Max hold.
5. Use the 99% power bandwidth function of the instrument.

6 dB bandwidth

1. Set RBW = 100 kHz, VBW = 300 kHz.
2. Detector = Peak. Trace mode = Max hold.
3. Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.2.4 Test Result

Please refer to ANNEX A.2 and ANNEX A.3.

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

Frequency Band (MHz)	Limit
5150-5250	11 dBm/MHz
5250-5350	11 dBm/MHz
5470-5725	11 dBm/MHz
5725-5850	30 dBm/500kHz

RSS-247, 6.2

The maximum power spectral density should not exceed:

Frequency Band (MHz)	Limit
5150-5250	N/A
5250-5350	11 dBm/MHz
5470-5725	11 dBm/MHz
5725-5850	30 dBm/500kHz

The e.i.r.p. spectral density should not exceed:

Frequency Band (MHz)	Limit
5150-5250	10 dBm/MHz
5250-5350	N/A
5470-5725	N/A
5725-5850	N/A
e.i.r.p. spectral density= maximum power spectral density+ Antenna Gain.	

5.3.2 Test Setup

The section 4.5.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.3.3 Test Procedure

Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth.

1. Set RBW = 510 kHz/1 MHz, VBW $\geq 3 \times$ RBW, Sweep time = Auto, Detector = RMS.
2. Allow the sweeps to continue until the trace stabilizes.
3. Use the peak marker function to determine the maximum amplitude level.
4. The E.I.R.P spectral density used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207, 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 within the U-NII-150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dB μ V)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
0.50 - 30	60	50

5.4.2 Test Setup

The section 4.5.2 (Diagram 2) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.4.3 Test Procedure

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.

5.4.4 Test Result

Please refer to ANNEX A.5.

5.5 Radiated Spurious Emissions and Band Edge (Restricted-band)

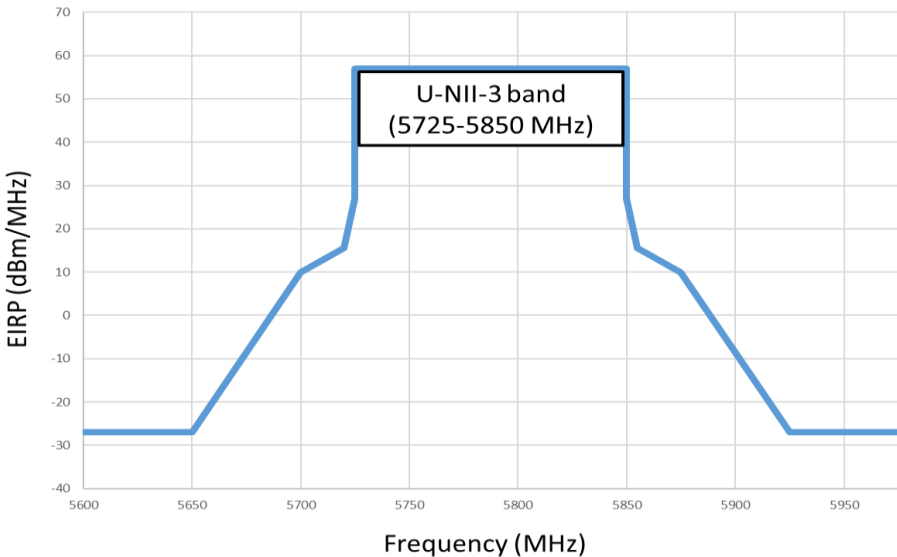
5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measurement Distance (m)
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	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

Note ¹: The Limit for radiated test was performed according to FCC Part 15C

Note ²: The tighter limit applies at the band edge.

Un-restricted band emissions	
Out Operating Band (MHz)	Limit
5150 - 5250	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5250 - 5350	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5470 - 5725	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5725 - 5850	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. 

Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength.

5.5.2 Test Setup

The section 4.5.3-4.5.5 (Diagram 3 - Diagram 5) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.5.3 Test Procedure

Since the emission limits are specified in terms of radiated field strength levels, measurements performed to demonstrate compliance have traditionally relied on a radiated test configuration. Radiated measurements remain the principal method for demonstrating compliance to the specified limits; however antenna-port conducted measurements are also now acceptable to demonstrate compliance (see below for details). When radiated measurements are utilized, test site requirements and procedures for maximizing and measuring radiated emissions that are described in ANSI C63.10 shall be followed.

Antenna-port conducted measurements may also be used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test for cabinet/case spurious emissions is required.

General Procedure for conducted measurements in restricted bands

- a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).
- c) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
- d) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

$$E = \text{EIRP} - 20\log D + 104.8$$

where:

E = electric field strength in dB μ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

- e) Compare the resultant electric field strength level to the applicable limit.
- f) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

The specifications for measurements using the CISPR quasi-peak detector can be found in Publication 16 of the International Special Committee on Radio Frequency Interference (CISPR) of the International Electrotechnical Commission.

As an alternative to CISPR quasi-peak measurement, compliance can be demonstrated to the applicable

emission limits using a peak detector.

Peak power measurement procedure

Peak emission levels are measured by setting the instrument as follows:

- a) RBW = as specified in Table 1.
- b) VBW $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Sweep time = auto.
- e) Trace mode = max hold.
- f) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be longer for low duty cycle applications).

Table 1—RBW as a function of frequency

Frequency	RBW
9-150 kHz	200-300 Hz
0.15-30 MHz	9-10 kHz
30-1000 MHz	100-120 kHz
> 1000 MHz	1 MHz

If the peak-detected amplitude can be shown to comply with the average limit, then it is not necessary to perform a separate average measurement.

Trace averaging across on and off times of the EUT transmissions followed by duty cycle correction

If continuous transmission of the EUT (i.e., duty cycle ≥ 98 percent) cannot be achieved and the duty cycle is constant (i.e., duty cycle variations are less than ± 2 percent), then the following procedure shall be used:

- a) The EUT shall be configured to operate at the maximum achievable duty cycle.
- b) Measure the duty cycle, x , of the transmitter output signal as described in section 6.0.
- c) RBW = 1 MHz (unless otherwise specified).
- d) VBW $\geq 3 \times$ RBW.
- e) Detector = RMS, if $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
- f) Averaging type = power (i.e., RMS).
 - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
 - 2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
- g) Sweep time = auto.

h) Perform a trace average of at least 100 traces.

i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:

1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is $10 \log(1/x)$, where x is the duty cycle.

2) If linear voltage averaging mode was used in step f), then the applicable correction factor is $20 \log(1/x)$, where x is the duty cycle.

3) If a specific emission is demonstrated to be continuous (≥ 98 percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

NOTE: Reduction of the measured emission amplitude levels to account for operational duty factor is not permitted. Compliance is based on emission levels occurring during transmission - not on an average across on and off times of the transmitter.

Determining the applicable transmit antenna gain

A conducted power measurement will determine the maximum output power associated with a restricted band emission; however, in order to determine the associated EIRP level, the gain of the transmitting antenna (in dBi) must be added to the measured output power (in dBm).

Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.

See KDB 662911 for guidance on calculating the additional array gain term when determining the effective antenna gain for a EUT with multiple outputs occupying the same or overlapping frequency ranges in the same band.

Radiated spurious emission test

An additional consideration when performing conducted measurements of restricted band emissions is that unwanted emissions radiating from the EUT cabinet, control circuits, power leads, or intermediate circuit elements will likely go undetected in a conducted measurement configuration. To address this concern, a radiated test shall be performed to ensure that emissions emanating from the EUT cabinet (rather than the antenna port) also comply with the applicable limits.

For these cabinet radiated spurious emission measurements the EUT transmit antenna may be replaced with a termination matching the nominal impedance of the antenna. Procedures for performing radiated measurements are specified in ANSI C63.10. All detected emissions shall comply with the applicable limits.

The measurement frequency range is from 30 MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

Note ¹: For FCC standard, if transmitting antennas of directional gain greater than 6 dBi are used, all band maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note ²: For IC standard, the U-NII-3 (5725 - 5850 MHz) maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	2.07	2.19	94.21%	0.26
11n(HT20)/11ac(VHT20)	2.06	2.19	93.89%	0.27

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	12.49	17.74	250	Pass
11a	CH44	12.78	18.97	250	Pass
11a	CH48	12.46	17.62	250	Pass
11n(HT20)	CH36	12.55	17.99	250	Pass
11n(HT20)	CH44	12.72	18.71	250	Pass
11n(HT20)	CH48	12.59	18.16	250	Pass
11ac(VHT20)	CH36	12.84	19.23	250	Pass
11ac(VHT20)	CH44	12.76	18.88	250	Pass
11ac(VHT20)	CH48	12.52	17.86	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	12.75	18.84	250	Pass
11a	CH60	12.85	19.28	250	Pass
11a	CH64	12.37	17.26	250	Pass
11n(HT20)	CH52	12.60	18.20	250	Pass
11n(HT20)	CH60	12.61	18.24	250	Pass
11n(HT20)	CH64	12.49	17.74	250	Pass
11ac(VHT20)	CH52	12.77	18.92	250	Pass
11ac(VHT20)	CH60	12.79	19.01	250	Pass
11ac(VHT20)	CH64	12.86	19.32	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	12.59	18.16	250	Pass
11a	CH116	12.79	19.01	250	Pass
11a	CH140	12.85	19.28	250	Pass
11n(HT20)	CH100	12.52	17.86	250	Pass
11n(HT20)	CH116	12.65	18.41	250	Pass
11n(HT20)	CH140	12.76	18.88	250	Pass
11ac(VHT20)	CH100	12.48	17.70	250	Pass
11ac(VHT20)	CH116	12.71	18.66	250	Pass
11ac(VHT20)	CH140	12.85	19.28	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	12.72	18.71	1000	Pass
11a	CH157	12.50	17.78	1000	Pass
11a	CH165	12.74	18.79	1000	Pass
11n(HT20)	CH149	12.45	17.58	1000	Pass
11n(HT20)	CH157	12.51	17.82	1000	Pass
11n(HT20)	CH165	12.78	18.97	1000	Pass
11ac(VHT20)	CH149	12.47	17.66	1000	Pass
11ac(VHT20)	CH157	12.54	17.95	1000	Pass
11ac(VHT20)	CH165	12.64	18.37	1000	Pass

E.I.R.P

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	16.14	41.11	166	Pass
11a	CH44	16.43	43.95	166	Pass
11a	CH48	16.11	40.83	166	Pass
11n(HT20)	CH36	16.20	41.69	177	Pass
11n(HT20)	CH44	16.37	43.35	177	Pass
11n(HT20)	CH48	16.24	42.07	177	Pass
11ac(VHT20)	CH36	16.49	44.57	166	Pass
11ac(VHT20)	CH44	16.41	43.75	166	Pass
11ac (HVT20)	CH48	16.17	41.40	166	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH52	16.50	44.67	828	Pass
11a	CH60	16.60	45.71	831	Pass
11a	CH64	16.12	40.93	831	Pass
11n(HT20)	CH52	16.35	43.15	886	Pass
11n(HT20)	CH60	16.36	43.25	883	Pass
11n(HT20)	CH64	16.24	42.07	885	Pass
11ac(VHT20)	CH52	16.52	44.87	833	Pass
11ac(VHT20)	CH60	16.54	45.08	831	Pass
11ac (HVT20)	CH64	16.61	45.81	831	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH100	15.11	32.43	833	Pass
11a	CH116	15.31	33.96	833	Pass
11a	CH140	15.37	34.43	837	Pass
11n(HT20)	CH100	15.04	31.92	886	Pass
11n(HT20)	CH116	15.17	32.89	889	Pass
11n(HT20)	CH140	15.28	33.73	887	Pass
11ac(VHT20)	CH100	15.00	31.62	838	Pass
11ac(VHT20)	CH116	15.23	33.34	832	Pass
11ac(VHT20)	CH140	15.37	34.43	836	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	15.39	34.59	Pass
11a	CH157	15.17	32.89	Pass
11a	CH165	15.41	34.75	Pass
11n(HT20)	CH149	15.12	32.51	Pass
11n(HT20)	CH157	15.18	32.96	Pass
11n(HT20)	CH165	15.45	35.08	Pass
11ac(VHT20)	CH149	15.14	32.66	Pass
11ac(VHT20)	CH157	15.21	33.19	Pass
11ac(VHT20)	CH165	15.31	33.96	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2480804-604 Data Part 1.pdf".

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	21.26	16.59
11a	CH44	21.21	16.62
11a	CH48	21.00	16.59
11n(HT20)	CH36	21.49	17.66
11n(HT20)	CH44	21.77	17.67
11n(HT20)	CH48	21.49	17.71
11ac(VHT20)	CH36	20.93	16.62
11ac(VHT20)	CH44	20.86	16.59
11ac(VHT20)	CH48	21.21	16.64

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	20.47	16.53
11a	CH60	21.02	16.58
11a	CH64	20.73	16.59
11n(HT20)	CH52	21.53	17.68
11n(HT20)	CH60	21.54	17.63
11n(HT20)	CH64	21.31	17.65
11ac(VHT20)	CH52	21.35	16.62
11ac(VHT20)	CH60	21.03	16.58
11ac(VHT20)	CH64	20.76	16.58

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	20.97	16.63
11a	CH116	21.18	16.62
11a	CH140	24.63	16.70
11n(HT20)	CH100	21.13	17.67
11n(HT20)	CH116	21.68	17.73
11n(HT20)	CH140	24.19	17.70
11ac(VHT20)	CH100	21.24	16.72
11ac(VHT20)	CH116	21.14	16.60
11ac(VHT20)	CH140	21.90	16.69

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	21.15	16.60
11a	CH157	22.89	16.75
11a	CH165	23.19	16.73
11n(HT20)	CH149	21.75	17.75
11n(HT20)	CH157	23.80	17.77
11n(HT20)	CH165	23.17	17.85
11ac(VHT20)	CH149	22.16	16.72
11ac(VHT20)	CH157	23.88	16.76
11ac(VHT20)	CH165	21.89	16.69

A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2480804-604 Data Part 2.pdf".

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.50	500.00	Pass
11a	CH157	16.50	500.00	Pass
11a	CH165	16.50	500.00	Pass
11n(HT20)	CH149	17.30	500.00	Pass
11n(HT20)	CH157	17.50	500.00	Pass
11n(HT20)	CH165	17.40	500.00	Pass
11ac(VHT20)	CH149	16.50	500.00	Pass
11ac(VHT20)	CH157	16.50	500.00	Pass
11ac(VHT20)	CH165	16.50	500.00	Pass

A.4 Power Spectral Density

Note: Test plots please refer to the document "Annex No.: BL-SZ2480804-604 Data Part 3.pdf".

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	1.13	11.00	Pass
11a	CH44	1.41	11.00	Pass
11a	CH48	1.05	11.00	Pass
11n(HT20)	CH36	0.88	11.00	Pass
11n(HT20)	CH44	0.99	11.00	Pass
11n(HT20)	CH48	1.17	11.00	Pass
11ac(VHT20)	CH36	1.34	11.00	Pass
11ac(VHT20)	CH44	1.15	11.00	Pass
11ac(VHT20)	CH48	0.98	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	1.51	11.00	Pass
11a	CH60	1.32	11.00	Pass
11a	CH64	0.71	11.00	Pass
11n(HT20)	CH52	0.99	11.00	Pass
11n(HT20)	CH60	0.90	11.00	Pass
11n(HT20)	CH64	0.70	11.00	Pass
11ac(VHT20)	CH52	1.50	11.00	Pass
11ac(VHT20)	CH60	1.24	11.00	Pass
11ac(VHT20)	CH64	1.39	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	0.78	11.00	Pass
11a	CH116	1.12	11.00	Pass
11a	CH140	1.49	11.00	Pass
11n(HT20)	CH100	0.55	11.00	Pass
11n(HT20)	CH116	0.71	11.00	Pass
11n(HT20)	CH140	1.14	11.00	Pass
11ac(VHT20)	CH100	0.87	11.00	Pass
11ac(VHT20)	CH116	1.18	11.00	Pass
11ac(VHT20)	CH140	1.29	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-1.48	30.00	Pass
11a	CH157	-1.83	30.00	Pass
11a	CH165	-1.51	30.00	Pass
11n(HT20)	CH149	-2.04	30.00	Pass
11n(HT20)	CH157	-1.85	30.00	Pass
11n(HT20)	CH165	-1.98	30.00	Pass
11ac(VHT20)	CH149	-1.43	30.00	Pass
11ac(VHT20)	CH157	-1.66	30.00	Pass
11ac(VHT20)	CH165	-1.58	30.00	Pass

E.I.R.P PSD

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	E.I.R.P PSD (dBm/MHz)	E.I.R.P PSD Limit (dBm/MHz)	Verdict
11a	CH36	4.78	10.00	Pass
11a	CH44	5.06	10.00	Pass
11a	CH48	4.70	10.00	Pass
11n(HT20)	CH36	4.53	10.00	Pass
11n(HT20)	CH44	4.64	10.00	Pass
11n(HT20)	CH48	4.82	10.00	Pass
11ac(VHT20)	CH36	4.99	10.00	Pass
11ac(VHT20)	CH44	4.80	10.00	Pass
11ac(VHT20)	CH48	4.63	10.00	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/MHz)	Verdict
11a	CH52	5.26	Pass
11a	CH60	5.07	Pass
11a	CH64	4.46	Pass
11n(HT20)	CH52	4.74	Pass
11n(HT20)	CH60	4.65	Pass
11n(HT20)	CH64	4.45	Pass
11ac(VHT20)	CH52	5.25	Pass
11ac(VHT20)	CH60	4.99	Pass
11ac(VHT20)	CH64	5.14	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/MHz)	Verdict
11a	CH100	3.30	Pass
11a	CH116	3.64	Pass
11a	CH140	4.01	Pass
11n(HT20)	CH100	3.07	Pass
11n(HT20)	CH116	3.23	Pass
11n(HT20)	CH140	3.66	Pass
11ac(VHT20)	CH100	3.39	Pass
11ac(VHT20)	CH116	3.70	Pass
11ac(VHT20)	CH140	3.81	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/500kHz)	Verdict
11a	CH149	1.20	Pass
11a	CH157	0.84	Pass
11a	CH165	1.17	Pass
11n(HT20)	CH149	0.63	Pass
11n(HT20)	CH157	0.82	Pass
11n(HT20)	CH165	0.69	Pass
11ac(VHT20)	CH149	1.24	Pass
11ac(VHT20)	CH157	1.01	Pass
11ac(VHT20)	CH165	1.09	Pass

A.5 Conducted Emissions

Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

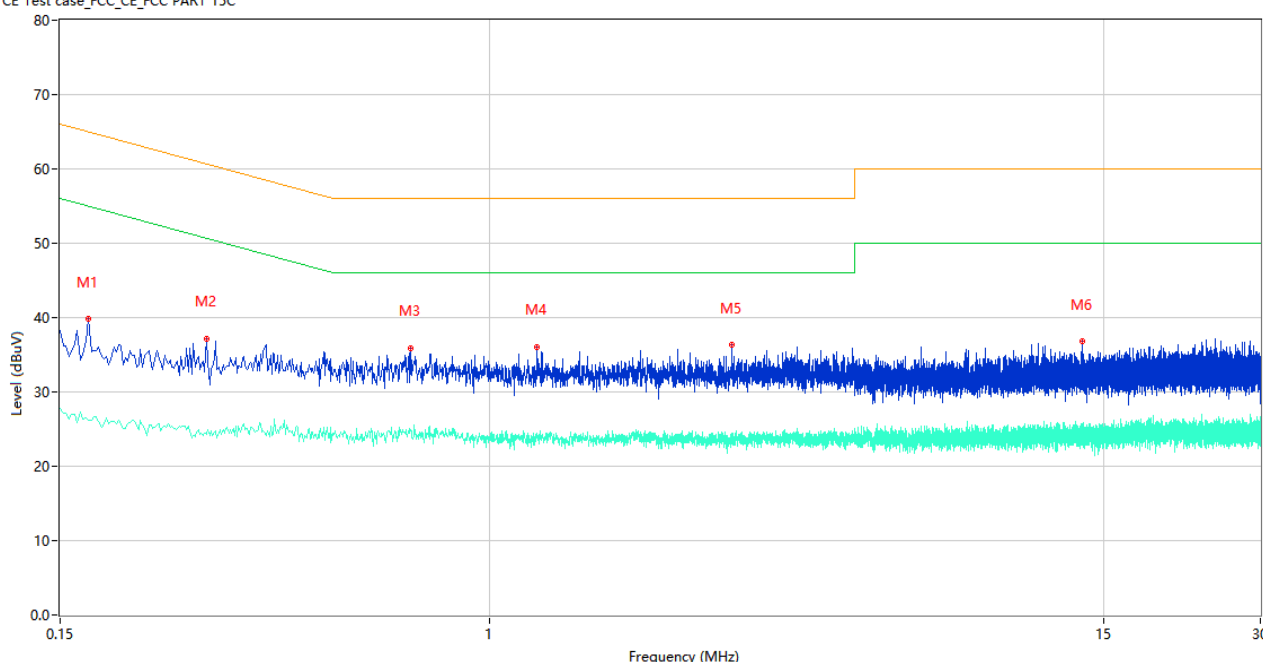
Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Note³: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

PHASE L

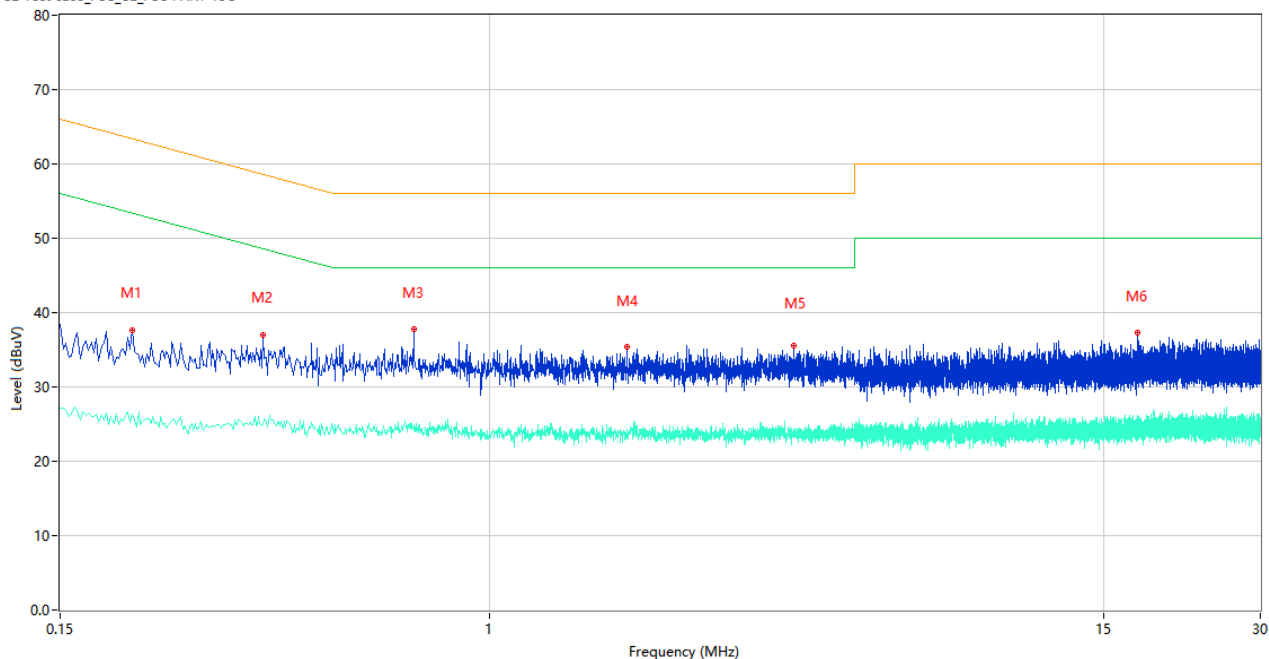
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.170	39.81	9.78	64.96	25.15	Peak	L	Pass
1**	0.170	26.13	9.78	54.96	28.83	AV	L	Pass
2	0.286	37.20	9.76	60.64	23.44	Peak	L	Pass
2**	0.286	24.31	9.76	50.64	26.33	AV	L	Pass
3	0.706	35.91	10.59	56.00	20.09	Peak	L	Pass
3**	0.706	24.99	10.59	46.00	21.01	AV	L	Pass
4	1.232	36.05	10.26	56.00	19.95	Peak	L	Pass
4**	1.232	24.37	10.26	46.00	21.63	AV	L	Pass
5	2.906	36.32	10.01	56.00	19.68	Peak	L	Pass
5**	2.906	23.82	10.01	46.00	22.18	AV	L	Pass
6	13.638	36.75	10.62	60.00	23.25	Peak	L	Pass
6**	13.638	24.30	10.62	50.00	25.70	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.206	37.70	9.77	63.37	25.67	Peak	N	Pass
1**	0.206	26.36	9.77	53.37	27.01	AV	N	Pass
2	0.368	37.00	10.68	58.55	21.55	Peak	N	Pass
2**	0.368	24.90	10.68	48.55	23.65	AV	N	Pass
3	0.714	37.77	10.52	56.00	18.23	Peak	N	Pass
3**	0.714	24.95	10.52	46.00	21.05	AV	N	Pass
4	1.832	35.38	10.12	56.00	20.62	Peak	N	Pass
4**	1.832	24.32	10.12	46.00	21.68	AV	N	Pass
5	3.818	35.53	10.32	56.00	20.47	Peak	N	Pass
5**	3.818	24.01	10.32	46.00	21.99	AV	N	Pass
6	17.456	37.29	10.93	60.00	22.71	Peak	N	Pass
6**	17.456	25.20	10.93	50.00	24.80	AV	N	Pass

A.6 Radiated Spurious Emissions and Band Edge (Restricted-band)

Note ¹: The symbol of “--” in the table which means not application.

Note ²: For the test data above 1 GHz, According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

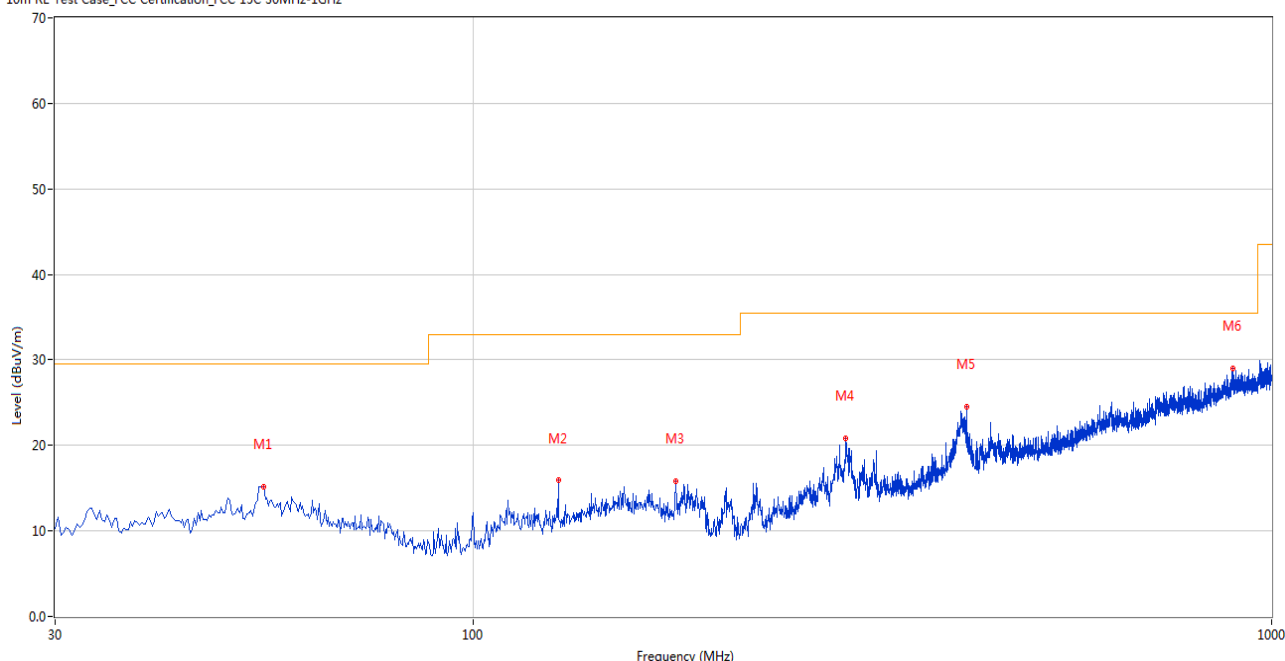
Note ³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note ⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Test Data and Plots

30 MHz to 1 GHz, ANT H

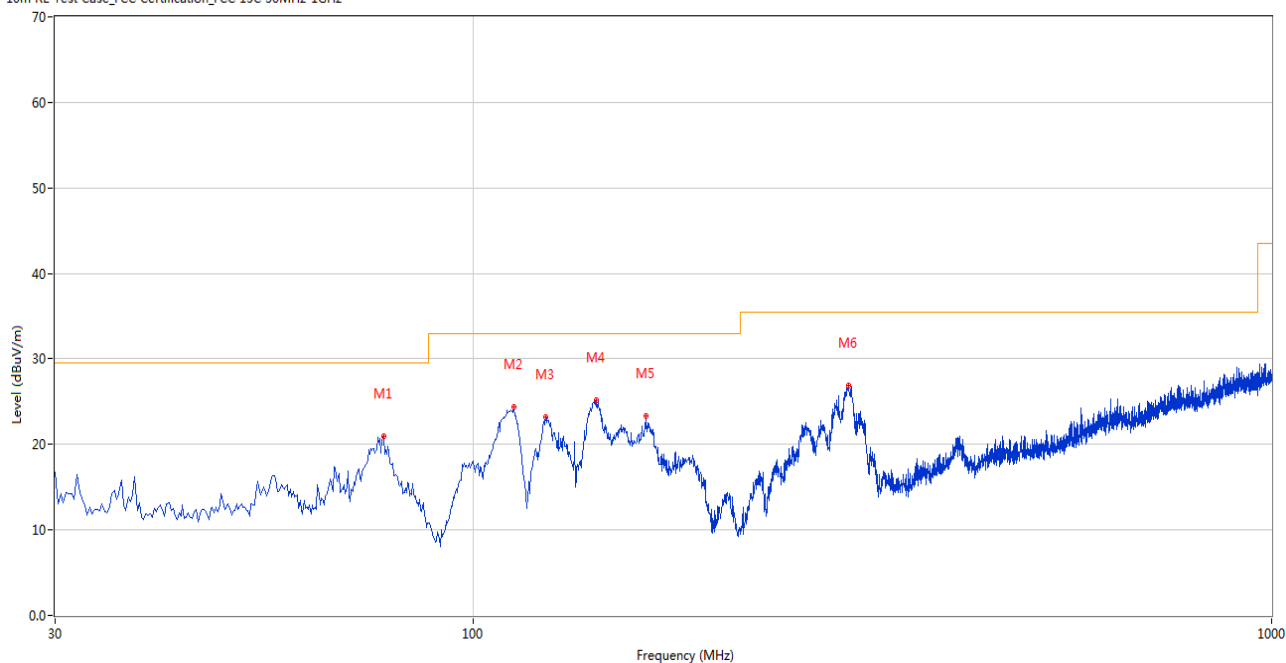
10m RE Test Case_FCC Certification_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	54.729	15.16	-26.12	29.5	14.34	Peak	335.00	100	Horizontal	Pass
2	127.946	15.89	-27.27	33.0	17.11	Peak	347.00	100	Horizontal	Pass
3	179.585	15.77	-26.98	33.0	17.23	Peak	183.00	200	Horizontal	Pass
4	293.289	20.81	-24.84	35.5	14.69	Peak	345.00	200	Horizontal	Pass
5	414.994	24.55	-22.16	35.5	10.95	Peak	295.00	200	Horizontal	Pass
6	894.539	28.96	-10.57	35.5	6.54	Peak	0.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

10m RE Test Case_FCC Certification_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	77.276	20.91	-29.74	29.5	8.59	Peak	341.00	200	Vertical	Pass
2	112.672	24.35	-28.77	33.0	8.65	Peak	360.00	100	Vertical	Pass
3	123.339	23.20	-27.86	33.0	9.80	Peak	55.00	100	Vertical	Pass
4	142.734	25.19	-25.97	33.0	7.81	Peak	142.00	100	Vertical	Pass
5	164.554	23.29	-25.67	33.0	9.71	Peak	18.00	100	Vertical	Pass
6	295.229	26.92	-25.10	35.5	8.58	Peak	3.00	100	Vertical	Pass

Note: The spurious above 18G is noise only, do not show on the report.

11a, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1508.664	40.80	74.0	33.20	Peak	131.00	200	Horizontal	Pass
1**	1508.664	27.43	54.0	26.57	AV	131.00	200	Horizontal	Pass
2	2345.011	43.54	74.0	30.46	Peak	52.00	100	Horizontal	Pass
2**	2345.011	38.63	54.0	15.37	AV	52.00	100	Horizontal	Pass
3	4208.980	45.33	74.0	28.67	Peak	339.00	200	Horizontal	Pass
3**	4208.980	35.49	54.0	18.51	AV	339.00	200	Horizontal	Pass
4	7437.796	55.19	74.0	18.81	Peak	281.00	100	Horizontal	Pass
4**	7437.796	45.76	54.0	8.24	AV	281.00	100	Horizontal	Pass
5	12519.836	58.21	74.0	15.79	Peak	281.00	300	Horizontal	Pass
5**	12519.836	48.28	54.0	5.72	AV	281.00	300	Horizontal	Pass
6	16149.733	53.09	74.0	20.91	Peak	50.00	400	Horizontal	Pass
6**	16149.733	41.95	54.0	12.05	AV	50.00	400	Horizontal	Pass

11a, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1571.590	37.94	74.0	36.06	Peak	117.00	200	Vertical	Pass
1**	1571.590	29.07	54.0	24.93	AV	117.00	200	Vertical	Pass
2	2347.601	42.29	74.0	31.71	Peak	146.00	300	Vertical	Pass
2**	2347.601	31.78	54.0	22.22	AV	146.00	300	Vertical	Pass
3	3918.978	46.64	74.0	27.36	Peak	40.00	200	Vertical	Pass
3**	3918.978	38.00	54.0	16.00	AV	40.00	200	Vertical	Pass
4	7682.210	49.59	74.0	24.41	Peak	202.00	100	Vertical	Pass
4**	7682.210	42.67	54.0	11.33	AV	202.00	100	Vertical	Pass
5	12531.001	55.25	74.0	18.75	Peak	95.00	200	Vertical	Pass
5**	12531.001	43.68	54.0	10.32	AV	95.00	200	Vertical	Pass
6	15378.349	51.54	74.0	22.46	Peak	139.00	100	Vertical	Pass
6**	15378.349	46.00	54.0	8.00	AV	139.00	100	Vertical	Pass

11a, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1508.720	41.44	74.0	32.56	Peak	283.00	100	Horizontal	Pass
1**	1508.720	26.58	54.0	27.42	AV	283.00	100	Horizontal	Pass
2	2350.090	44.54	74.0	29.46	Peak	155.00	100	Horizontal	Pass
2**	2350.090	39.48	54.0	14.52	AV	155.00	100	Horizontal	Pass
3	4208.447	46.01	74.0	27.99	Peak	238.00	200	Horizontal	Pass
3**	4208.447	35.12	54.0	18.88	AV	238.00	200	Horizontal	Pass
4	7432.217	54.93	74.0	19.07	Peak	292.00	400	Horizontal	Pass
4**	7432.217	45.56	54.0	8.44	AV	292.00	400	Horizontal	Pass
5	12520.310	57.87	74.0	16.13	Peak	274.00	300	Horizontal	Pass
5**	12520.310	49.09	54.0	4.91	AV	274.00	300	Horizontal	Pass
6	16148.059	52.19	74.0	21.81	Peak	333.00	400	Horizontal	Pass
6**	16148.059	44.08	54.0	9.92	AV	333.00	400	Horizontal	Pass

11a, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1572.870	34.61	74.0	39.39	Peak	176.00	300	Vertical	Pass
1**	1572.870	29.71	54.0	24.29	AV	176.00	300	Vertical	Pass
2	2346.572	46.91	74.0	27.09	Peak	247.00	300	Vertical	Pass
2**	2346.572	31.62	54.0	22.38	AV	247.00	300	Vertical	Pass
3	3913.146	45.86	74.0	28.14	Peak	354.00	200	Vertical	Pass
3**	3913.146	38.07	54.0	15.93	AV	354.00	200	Vertical	Pass
4	7683.055	52.94	74.0	21.06	Peak	262.00	300	Vertical	Pass
4**	7683.055	44.14	54.0	9.86	AV	262.00	300	Vertical	Pass
5	12526.622	53.49	74.0	20.51	Peak	133.00	300	Vertical	Pass
5**	12526.622	43.80	54.0	10.20	AV	133.00	300	Vertical	Pass
6	15386.050	53.48	74.0	20.52	Peak	351.00	100	Vertical	Pass
6**	15386.050	44.24	54.0	9.76	AV	351.00	100	Vertical	Pass

11a, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1508.995	39.72	74.0	34.28	Peak	286.00	400	Horizontal	Pass
1**	1508.995	29.30	54.0	24.70	AV	286.00	400	Horizontal	Pass
2	2346.807	46.91	74.0	27.09	Peak	85.00	300	Horizontal	Pass
2**	2346.807	37.31	54.0	16.69	AV	85.00	300	Horizontal	Pass
3	4205.314	47.29	74.0	26.71	Peak	150.00	200	Horizontal	Pass
3**	4205.314	38.74	54.0	15.26	AV	150.00	200	Horizontal	Pass
4	7436.744	54.47	74.0	19.53	Peak	26.00	300	Horizontal	Pass
4**	7436.744	45.22	54.0	8.78	AV	26.00	300	Horizontal	Pass
5	12516.933	57.51	74.0	16.49	Peak	213.00	200	Horizontal	Pass
5**	12516.933	49.75	54.0	4.25	AV	213.00	200	Horizontal	Pass
6	16146.797	52.32	74.0	21.68	Peak	59.00	200	Horizontal	Pass
6**	16146.797	42.06	54.0	11.94	AV	59.00	200	Horizontal	Pass

11a, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1571.415	39.28	74.0	34.72	Peak	27.00	300	Vertical	Pass
1**	1571.415	26.99	54.0	27.01	AV	27.00	300	Vertical	Pass
2	2343.971	46.05	74.0	27.95	Peak	53.00	400	Vertical	Pass
2**	2343.971	36.00	54.0	18.00	AV	53.00	400	Vertical	Pass
3	3913.685	43.50	74.0	30.50	Peak	149.00	200	Vertical	Pass
3**	3913.685	37.81	54.0	16.19	AV	149.00	200	Vertical	Pass
4	7682.969	49.95	74.0	24.05	Peak	139.00	100	Vertical	Pass
4**	7682.969	44.59	54.0	9.41	AV	139.00	100	Vertical	Pass
5	12531.179	55.48	74.0	18.52	Peak	194.00	300	Vertical	Pass
5**	12531.179	39.96	54.0	14.04	AV	194.00	300	Vertical	Pass
6	15379.321	54.70	74.0	19.30	Peak	254.00	100	Vertical	Pass
6**	15379.321	42.14	54.0	11.86	AV	254.00	100	Vertical	Pass

11n20, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.371	39.61	74.0	34.39	Peak	6.00	400	Horizontal	Pass
1**	1511.371	27.27	54.0	26.73	AV	6.00	400	Horizontal	Pass
2	2345.367	44.98	74.0	29.02	Peak	59.00	100	Horizontal	Pass
2**	2345.367	38.91	54.0	15.09	AV	59.00	100	Horizontal	Pass
3	4203.004	45.33	74.0	28.67	Peak	126.00	200	Horizontal	Pass
3**	4203.004	39.16	54.0	14.84	AV	126.00	200	Horizontal	Pass
4	7437.509	52.62	74.0	21.38	Peak	352.00	200	Horizontal	Pass
4**	7437.509	42.28	54.0	11.72	AV	352.00	200	Horizontal	Pass
5	12519.744	53.53	74.0	20.47	Peak	61.00	200	Horizontal	Pass
5**	12519.744	49.77	54.0	4.23	AV	61.00	200	Horizontal	Pass
6	16145.491	56.89	74.0	17.11	Peak	163.00	200	Horizontal	Pass
6**	16145.491	46.19	54.0	7.81	AV	163.00	200	Horizontal	Pass

11n20, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1568.568	36.26	74.0	37.74	Peak	189.00	300	Vertical	Pass
1**	1568.568	23.81	54.0	30.19	AV	189.00	300	Vertical	Pass
2	2348.886	43.28	74.0	30.72	Peak	223.00	200	Vertical	Pass
2**	2348.886	34.94	54.0	19.06	AV	223.00	200	Vertical	Pass
3	3919.967	47.07	74.0	26.93	Peak	86.00	200	Vertical	Pass
3**	3919.967	35.52	54.0	18.48	AV	86.00	200	Vertical	Pass
4	7680.803	52.51	74.0	21.49	Peak	28.00	200	Vertical	Pass
4**	7680.803	41.95	54.0	12.05	AV	28.00	200	Vertical	Pass
5	12525.998	58.63	74.0	15.37	Peak	297.00	400	Vertical	Pass
5**	12525.998	44.23	54.0	9.77	AV	297.00	400	Vertical	Pass
6	15379.977	53.96	74.0	20.04	Peak	185.00	200	Vertical	Pass
6**	15379.977	46.80	54.0	7.20	AV	185.00	200	Vertical	Pass

11n20, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1510.292	42.35	74.0	31.65	Peak	6.00	300	Horizontal	Pass
1**	1510.292	26.91	54.0	27.09	AV	6.00	300	Horizontal	Pass
2	2351.922	45.70	74.0	28.30	Peak	243.00	200	Horizontal	Pass
2**	2351.922	37.12	54.0	16.88	AV	243.00	200	Horizontal	Pass
3	4204.662	50.42	74.0	23.58	Peak	42.00	200	Horizontal	Pass
3**	4204.662	38.65	54.0	15.35	AV	42.00	200	Horizontal	Pass
4	7430.786	52.77	74.0	21.23	Peak	157.00	100	Horizontal	Pass
4**	7430.786	44.92	54.0	9.08	AV	157.00	100	Horizontal	Pass
5	12514.027	55.30	74.0	18.70	Peak	212.00	100	Horizontal	Pass
5**	12514.027	48.73	54.0	5.27	AV	212.00	100	Horizontal	Pass
6	16145.154	53.74	74.0	20.26	Peak	283.00	300	Horizontal	Pass
6**	16145.154	45.75	54.0	8.25	AV	283.00	300	Horizontal	Pass

11n20, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1571.082	38.24	74.0	35.76	Peak	308.00	300	Vertical	Pass
1**	1571.082	26.33	54.0	27.67	AV	308.00	300	Vertical	Pass
2	2343.504	47.44	74.0	26.56	Peak	13.00	200	Vertical	Pass
2**	2343.504	33.76	54.0	20.24	AV	13.00	200	Vertical	Pass
3	3920.276	46.85	74.0	27.15	Peak	245.00	200	Vertical	Pass
3**	3920.276	33.25	54.0	20.75	AV	245.00	200	Vertical	Pass
4	7684.081	50.60	74.0	23.40	Peak	206.00	400	Vertical	Pass
4**	7684.081	42.99	54.0	11.01	AV	206.00	400	Vertical	Pass
5	12526.295	57.96	74.0	16.04	Peak	230.00	300	Vertical	Pass
5**	12526.295	43.17	54.0	10.83	AV	230.00	300	Vertical	Pass
6	15381.190	53.29	74.0	20.71	Peak	253.00	100	Vertical	Pass
6**	15381.190	43.59	54.0	10.41	AV	253.00	100	Vertical	Pass

11n20, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.172	38.16	74.0	35.84	Peak	255.00	400	Horizontal	Pass
1**	1512.172	29.74	54.0	24.26	AV	255.00	400	Horizontal	Pass
2	2350.969	44.00	74.0	30.00	Peak	282.00	200	Horizontal	Pass
2**	2350.969	36.46	54.0	17.54	AV	282.00	200	Horizontal	Pass
3	4206.750	46.79	74.0	27.21	Peak	345.00	200	Horizontal	Pass
3**	4206.750	36.14	54.0	17.86	AV	345.00	200	Horizontal	Pass
4	7436.974	56.13	74.0	17.87	Peak	10.00	300	Horizontal	Pass
4**	7436.974	43.71	54.0	10.29	AV	10.00	300	Horizontal	Pass
5	12520.267	58.37	74.0	15.63	Peak	67.00	100	Horizontal	Pass
5**	12520.267	45.90	54.0	8.10	AV	67.00	100	Horizontal	Pass
6	16150.402	55.97	74.0	18.03	Peak	17.00	200	Horizontal	Pass
6**	16150.402	45.35	54.0	8.65	AV	17.00	200	Horizontal	Pass

11n20, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1571.286	39.33	74.0	34.67	Peak	84.00	200	Vertical	Pass
1**	1571.286	27.43	54.0	26.57	AV	84.00	200	Vertical	Pass
2	2347.746	42.69	74.0	31.31	Peak	315.00	200	Vertical	Pass
2**	2347.746	34.85	54.0	19.15	AV	315.00	200	Vertical	Pass
3	3914.023	46.51	74.0	27.49	Peak	216.00	200	Vertical	Pass
3**	3914.023	35.87	54.0	18.13	AV	216.00	200	Vertical	Pass
4	7683.846	50.75	74.0	23.25	Peak	354.00	200	Vertical	Pass
4**	7683.846	41.67	54.0	12.33	AV	354.00	200	Vertical	Pass
5	12528.928	58.41	74.0	15.59	Peak	20.00	400	Vertical	Pass
5**	12528.928	42.45	54.0	11.55	AV	20.00	400	Vertical	Pass
6	15378.790	51.44	74.0	22.56	Peak	148.00	100	Vertical	Pass
6**	15378.790	47.27	54.0	6.73	AV	148.00	100	Vertical	Pass

11ac20, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1510.502	38.49	74.0	35.51	Peak	183.00	300	Horizontal	Pass
1**	1510.502	32.40	54.0	21.60	AV	183.00	300	Horizontal	Pass
2	2352.321	44.70	74.0	29.30	Peak	251.00	200	Horizontal	Pass
2**	2352.321	38.93	54.0	15.07	AV	251.00	200	Horizontal	Pass
3	4204.071	48.04	74.0	25.96	Peak	42.00	200	Horizontal	Pass
3**	4204.071	40.82	54.0	13.18	AV	42.00	200	Horizontal	Pass
4	7432.365	52.21	74.0	21.79	Peak	168.00	200	Horizontal	Pass
4**	7432.365	43.02	54.0	10.98	AV	168.00	200	Horizontal	Pass
5	12515.492	52.81	74.0	21.19	Peak	34.00	300	Horizontal	Pass
5**	12515.492	47.95	54.0	6.05	AV	34.00	300	Horizontal	Pass
6	16149.743	55.73	74.0	18.27	Peak	111.00	300	Horizontal	Pass
6**	16149.743	46.57	54.0	7.43	AV	111.00	300	Horizontal	Pass

11ac20, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1571.494	38.19	74.0	35.81	Peak	86.00	200	Vertical	Pass
1**	1571.494	26.78	54.0	27.22	AV	86.00	200	Vertical	Pass
2	2343.516	46.73	74.0	27.27	Peak	175.00	200	Vertical	Pass
2**	2343.516	30.82	54.0	23.18	AV	175.00	200	Vertical	Pass
3	3913.588	46.95	74.0	27.05	Peak	241.00	200	Vertical	Pass
3**	3913.588	37.67	54.0	16.33	AV	241.00	200	Vertical	Pass
4	7681.871	52.81	74.0	21.19	Peak	202.00	200	Vertical	Pass
4**	7681.871	42.92	54.0	11.08	AV	202.00	200	Vertical	Pass
5	12529.635	55.44	74.0	18.56	Peak	274.00	200	Vertical	Pass
5**	12529.635	41.93	54.0	12.07	AV	274.00	200	Vertical	Pass
6	15382.361	53.59	74.0	20.41	Peak	134.00	300	Vertical	Pass
6**	15382.361	43.60	54.0	10.40	AV	134.00	300	Vertical	Pass

11ac20, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.049	38.05	74.0	35.95	Peak	165.00	300	Horizontal	Pass
1**	1512.049	31.19	54.0	22.81	AV	165.00	300	Horizontal	Pass
2	2349.333	45.53	74.0	28.47	Peak	24.00	100	Horizontal	Pass
2**	2349.333	36.62	54.0	17.38	AV	24.00	100	Horizontal	Pass
3	4202.686	46.22	74.0	27.78	Peak	73.00	200	Horizontal	Pass
3**	4202.686	36.34	54.0	17.66	AV	73.00	200	Horizontal	Pass
4	7435.319	55.54	74.0	18.46	Peak	351.00	400	Horizontal	Pass
4**	7435.319	42.49	54.0	11.51	AV	351.00	400	Horizontal	Pass
5	12514.853	55.44	74.0	18.56	Peak	68.00	200	Horizontal	Pass
5**	12514.853	49.88	54.0	4.12	AV	68.00	200	Horizontal	Pass
6	16150.255	55.30	74.0	18.70	Peak	71.00	300	Horizontal	Pass
6**	16150.255	42.93	54.0	11.07	AV	71.00	300	Horizontal	Pass

11ac20, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1568.274	38.74	74.0	35.26	Peak	228.00	100	Vertical	Pass
1**	1568.274	29.28	54.0	24.72	AV	228.00	100	Vertical	Pass
2	2347.743	47.59	74.0	26.41	Peak	310.00	300	Vertical	Pass
2**	2347.743	35.21	54.0	18.79	AV	310.00	300	Vertical	Pass
3	3913.753	43.09	74.0	30.91	Peak	168.00	200	Vertical	Pass
3**	3913.753	35.23	54.0	18.77	AV	168.00	200	Vertical	Pass
4	7682.458	51.56	74.0	22.44	Peak	137.00	100	Vertical	Pass
4**	7682.458	44.80	54.0	9.20	AV	137.00	100	Vertical	Pass
5	12528.140	56.29	74.0	17.71	Peak	56.00	100	Vertical	Pass
5**	12528.140	45.73	54.0	8.27	AV	56.00	100	Vertical	Pass
6	15379.360	54.59	74.0	19.41	Peak	25.00	100	Vertical	Pass
6**	15379.360	42.56	54.0	11.44	AV	25.00	100	Vertical	Pass

11ac20, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1510.166	40.27	74.0	33.73	Peak	331.00	400	Horizontal	Pass
1**	1510.166	31.21	54.0	22.79	AV	331.00	400	Horizontal	Pass
2	2351.126	42.63	74.0	31.37	Peak	239.00	400	Horizontal	Pass
2**	2351.126	35.40	54.0	18.60	AV	239.00	400	Horizontal	Pass
3	4204.509	45.71	74.0	28.29	Peak	190.00	200	Horizontal	Pass
3**	4204.509	39.13	54.0	14.87	AV	190.00	200	Horizontal	Pass
4	7434.310	54.21	74.0	19.79	Peak	224.00	300	Horizontal	Pass
4**	7434.310	43.14	54.0	10.86	AV	224.00	300	Horizontal	Pass
5	12517.752	56.17	74.0	17.83	Peak	322.00	200	Horizontal	Pass
5**	12517.752	45.31	54.0	8.69	AV	322.00	200	Horizontal	Pass
6	16146.705	54.63	74.0	19.37	Peak	285.00	200	Horizontal	Pass
6**	16146.705	41.64	54.0	12.36	AV	285.00	200	Horizontal	Pass

11ac20, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1569.102	38.20	74.0	35.80	Peak	108.00	400	Vertical	Pass
1**	1569.102	23.94	54.0	30.06	AV	108.00	400	Vertical	Pass
2	2347.959	46.44	74.0	27.56	Peak	249.00	200	Vertical	Pass
2**	2347.959	31.13	54.0	22.87	AV	249.00	200	Vertical	Pass
3	3914.277	45.28	74.0	28.72	Peak	41.00	200	Vertical	Pass
3**	3914.277	33.48	54.0	20.52	AV	41.00	200	Vertical	Pass
4	7683.901	54.63	74.0	19.37	Peak	253.00	100	Vertical	Pass
4**	7683.901	46.75	54.0	7.25	AV	253.00	100	Vertical	Pass
5	12528.413	55.23	74.0	18.77	Peak	83.00	400	Vertical	Pass
5**	12528.413	42.09	54.0	11.91	AV	83.00	400	Vertical	Pass
6	15385.298	52.65	74.0	21.35	Peak	34.00	200	Vertical	Pass
6**	15385.298	45.25	54.0	8.75	AV	34.00	200	Vertical	Pass

11a, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1525.902	39.26	74.0	34.74	Peak	10.00	300	Horizontal	Pass
1**	1525.902	25.79	54.0	28.21	AV	10.00	300	Horizontal	Pass
2	2272.880	41.61	74.0	32.39	Peak	302.00	400	Horizontal	Pass
2**	2272.880	35.56	54.0	18.44	AV	302.00	400	Horizontal	Pass
3	4046.942	45.13	74.0	28.87	Peak	313.00	200	Horizontal	Pass
3**	4046.942	35.19	54.0	18.81	AV	313.00	200	Horizontal	Pass
4	7623.658	52.90	74.0	21.10	Peak	236.00	300	Horizontal	Pass
4**	7623.658	40.71	54.0	13.29	AV	236.00	300	Horizontal	Pass
5	12457.273	55.27	74.0	18.73	Peak	355.00	300	Horizontal	Pass
5**	12457.273	47.41	54.0	6.59	AV	355.00	300	Horizontal	Pass
6	15905.614	53.63	74.0	20.37	Peak	8.00	400	Horizontal	Pass
6**	15905.614	42.10	54.0	11.90	AV	8.00	400	Horizontal	Pass

11a, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1530.634	39.52	74.0	34.48	Peak	88.00	400	Vertical	Pass
1**	1530.634	30.03	54.0	23.97	AV	88.00	400	Vertical	Pass
2	2337.854	44.47	74.0	29.53	Peak	264.00	400	Vertical	Pass
2**	2337.854	32.69	54.0	21.31	AV	264.00	400	Vertical	Pass
3	4897.944	49.93	74.0	24.07	Peak	322.00	200	Vertical	Pass
3**	4897.944	38.43	54.0	15.57	AV	322.00	200	Vertical	Pass
4	7323.983	50.87	74.0	23.13	Peak	235.00	100	Vertical	Pass
4**	7323.983	40.94	54.0	13.06	AV	235.00	100	Vertical	Pass
5	12489.613	55.50	74.0	18.50	Peak	278.00	300	Vertical	Pass
5**	12489.613	44.66	54.0	9.34	AV	278.00	300	Vertical	Pass
6	15689.257	52.20	74.0	21.80	Peak	115.00	100	Vertical	Pass
6**	15689.257	45.26	54.0	8.74	AV	115.00	100	Vertical	Pass

11a, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1523.516	40.38	74.0	33.62	Peak	184.00	100	Horizontal	Pass
1**	1523.516	28.84	54.0	25.16	AV	184.00	100	Horizontal	Pass
2	2271.485	44.77	74.0	29.23	Peak	116.00	300	Horizontal	Pass
2**	2271.485	31.73	54.0	22.27	AV	116.00	300	Horizontal	Pass
3	4043.959	44.80	74.0	29.20	Peak	71.00	200	Horizontal	Pass
3**	4043.959	35.68	54.0	18.32	AV	71.00	200	Horizontal	Pass
4	7620.032	52.31	74.0	21.69	Peak	95.00	300	Horizontal	Pass
4**	7620.032	46.50	54.0	7.50	AV	95.00	300	Horizontal	Pass
5	12452.599	53.40	74.0	20.60	Peak	112.00	100	Horizontal	Pass
5**	12452.599	47.24	54.0	6.76	AV	112.00	100	Horizontal	Pass
6	15904.304	54.59	74.0	19.41	Peak	172.00	400	Horizontal	Pass
6**	15904.304	46.77	54.0	7.23	AV	172.00	400	Horizontal	Pass

11a, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1533.594	40.33	74.0	33.67	Peak	108.00	300	Vertical	Pass
1**	1533.594	28.42	54.0	25.58	AV	108.00	300	Vertical	Pass
2	2332.057	43.25	74.0	30.75	Peak	351.00	100	Vertical	Pass
2**	2332.057	32.42	54.0	21.58	AV	351.00	100	Vertical	Pass
3	4900.770	51.40	74.0	22.60	Peak	79.00	200	Vertical	Pass
3**	4900.770	41.74	54.0	12.26	AV	79.00	200	Vertical	Pass
4	7328.903	55.68	74.0	18.32	Peak	296.00	300	Vertical	Pass
4**	7328.903	41.60	54.0	12.40	AV	296.00	300	Vertical	Pass
5	12484.792	51.56	74.0	22.44	Peak	338.00	400	Vertical	Pass
5**	12484.792	44.15	54.0	9.85	AV	338.00	400	Vertical	Pass
6	15694.647	52.09	74.0	21.91	Peak	215.00	200	Vertical	Pass
6**	15694.647	45.61	54.0	8.39	AV	215.00	200	Vertical	Pass

11a, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1526.311	37.64	74.0	36.36	Peak	256.00	200	Horizontal	Pass
1**	1526.311	26.44	54.0	27.56	AV	256.00	200	Horizontal	Pass
2	2273.432	41.15	74.0	32.85	Peak	242.00	200	Horizontal	Pass
2**	2273.432	32.60	54.0	21.40	AV	242.00	200	Horizontal	Pass
3	4044.013	44.85	74.0	29.15	Peak	349.00	200	Horizontal	Pass
3**	4044.013	36.51	54.0	17.49	AV	349.00	200	Horizontal	Pass
4	7622.259	51.86	74.0	22.14	Peak	172.00	400	Horizontal	Pass
4**	7622.259	41.09	54.0	12.91	AV	172.00	400	Horizontal	Pass
5	12451.422	50.28	74.0	23.72	Peak	21.00	300	Horizontal	Pass
5**	12451.422	46.43	54.0	7.57	AV	21.00	300	Horizontal	Pass
6	15906.722	52.06	74.0	21.94	Peak	242.00	100	Horizontal	Pass
6**	15906.722	45.06	54.0	8.94	AV	242.00	100	Horizontal	Pass

11a, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1530.859	38.74	74.0	35.26	Peak	73.00	400	Vertical	Pass
1**	1530.859	25.86	54.0	28.14	AV	73.00	400	Vertical	Pass
2	2335.820	43.43	74.0	30.57	Peak	171.00	100	Vertical	Pass
2**	2335.820	36.39	54.0	17.61	AV	171.00	100	Vertical	Pass
3	4897.739	51.95	74.0	22.05	Peak	182.00	200	Vertical	Pass
3**	4897.739	39.80	54.0	14.20	AV	182.00	200	Vertical	Pass
4	7327.053	53.56	74.0	20.44	Peak	241.00	300	Vertical	Pass
4**	7327.053	44.99	54.0	9.01	AV	241.00	300	Vertical	Pass
5	12484.989	53.86	74.0	20.14	Peak	104.00	400	Vertical	Pass
5**	12484.989	46.69	54.0	7.31	AV	104.00	400	Vertical	Pass
6	15691.316	53.80	74.0	20.20	Peak	333.00	200	Vertical	Pass
6**	15691.316	46.82	54.0	7.18	AV	333.00	200	Vertical	Pass

11n20, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1520.980	35.76	74.0	38.24	Peak	346.00	400	Horizontal	Pass
1**	1520.980	29.80	54.0	24.20	AV	346.00	400	Horizontal	Pass
2	2278.729	43.51	74.0	30.49	Peak	88.00	400	Horizontal	Pass
2**	2278.729	35.32	54.0	18.68	AV	88.00	400	Horizontal	Pass
3	4049.699	47.86	74.0	26.14	Peak	184.00	200	Horizontal	Pass
3**	4049.699	36.09	54.0	17.91	AV	184.00	200	Horizontal	Pass
4	7622.332	52.77	74.0	21.23	Peak	166.00	400	Horizontal	Pass
4**	7622.332	46.08	54.0	7.92	AV	166.00	400	Horizontal	Pass
5	12455.906	55.26	74.0	18.74	Peak	282.00	300	Horizontal	Pass
5**	12455.906	43.77	54.0	10.23	AV	282.00	300	Horizontal	Pass
6	15901.805	56.04	74.0	17.96	Peak	121.00	200	Horizontal	Pass
6**	15901.805	43.32	54.0	10.68	AV	121.00	200	Horizontal	Pass

11n20, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1529.317	36.79	74.0	37.21	Peak	154.00	300	Vertical	Pass
1**	1529.317	27.30	54.0	26.70	AV	154.00	300	Vertical	Pass
2	2332.789	46.94	74.0	27.06	Peak	283.00	100	Vertical	Pass
2**	2332.789	37.37	54.0	16.63	AV	283.00	100	Vertical	Pass
3	4901.491	51.35	74.0	22.65	Peak	162.00	200	Vertical	Pass
3**	4901.491	41.01	54.0	12.99	AV	162.00	200	Vertical	Pass
4	7330.048	52.28	74.0	21.72	Peak	286.00	200	Vertical	Pass
4**	7330.048	46.34	54.0	7.66	AV	286.00	200	Vertical	Pass
5	12489.059	55.25	74.0	18.75	Peak	254.00	300	Vertical	Pass
5**	12489.059	42.04	54.0	11.96	AV	254.00	300	Vertical	Pass
6	15688.568	56.12	74.0	17.88	Peak	248.00	300	Vertical	Pass
6**	15688.568	43.91	54.0	10.09	AV	248.00	300	Vertical	Pass

11n20, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1525.450	36.51	74.0	37.49	Peak	360.00	200	Horizontal	Pass
1**	1525.450	27.58	54.0	26.42	AV	360.00	200	Horizontal	Pass
2	2274.543	46.34	74.0	27.66	Peak	159.00	300	Horizontal	Pass
2**	2274.543	35.21	54.0	18.79	AV	159.00	300	Horizontal	Pass
3	4045.144	46.80	74.0	27.20	Peak	61.00	200	Horizontal	Pass
3**	4045.144	34.82	54.0	19.18	AV	61.00	200	Horizontal	Pass
4	7620.882	50.35	74.0	23.65	Peak	206.00	300	Horizontal	Pass
4**	7620.882	43.82	54.0	10.18	AV	206.00	300	Horizontal	Pass
5	12452.066	54.10	74.0	19.90	Peak	339.00	300	Horizontal	Pass
5**	12452.066	42.53	54.0	11.47	AV	339.00	300	Horizontal	Pass
6	15900.310	51.80	74.0	22.20	Peak	212.00	100	Horizontal	Pass
6**	15900.310	44.77	54.0	9.23	AV	212.00	100	Horizontal	Pass

11n20, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1528.338	40.14	74.0	33.86	Peak	80.00	300	Vertical	Pass
1**	1528.338	28.86	54.0	25.14	AV	80.00	300	Vertical	Pass
2	2332.664	41.64	74.0	32.36	Peak	152.00	200	Vertical	Pass
2**	2332.664	32.57	54.0	21.43	AV	152.00	200	Vertical	Pass
3	4897.539	47.84	74.0	26.16	Peak	86.00	200	Vertical	Pass
3**	4897.539	40.53	54.0	13.47	AV	86.00	200	Vertical	Pass
4	7329.065	52.94	74.0	21.06	Peak	220.00	200	Vertical	Pass
4**	7329.065	45.73	54.0	8.27	AV	220.00	200	Vertical	Pass
5	12485.267	50.66	74.0	23.34	Peak	198.00	400	Vertical	Pass
5**	12485.267	43.57	54.0	10.43	AV	198.00	400	Vertical	Pass
6	15693.921	52.47	74.0	21.53	Peak	119.00	200	Vertical	Pass
6**	15693.921	47.22	54.0	6.78	AV	119.00	200	Vertical	Pass

11n20, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1526.677	41.01	74.0	32.99	Peak	245.00	100	Horizontal	Pass
1**	1526.677	31.06	54.0	22.94	AV	245.00	100	Horizontal	Pass
2	2274.714	41.47	74.0	32.53	Peak	129.00	300	Horizontal	Pass
2**	2274.714	35.15	54.0	18.85	AV	129.00	300	Horizontal	Pass
3	4048.595	48.02	74.0	25.98	Peak	111.00	200	Horizontal	Pass
3**	4048.595	35.24	54.0	18.76	AV	111.00	200	Horizontal	Pass
4	7618.931	50.00	74.0	24.00	Peak	295.00	200	Horizontal	Pass
4**	7618.931	44.78	54.0	9.22	AV	295.00	200	Horizontal	Pass
5	12451.529	54.06	74.0	19.94	Peak	295.00	400	Horizontal	Pass
5**	12451.529	45.49	54.0	8.51	AV	295.00	400	Horizontal	Pass
6	15902.690	54.36	74.0	19.64	Peak	264.00	200	Horizontal	Pass
6**	15902.690	42.59	54.0	11.41	AV	264.00	200	Horizontal	Pass

11n20, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1526.758	40.49	74.0	33.51	Peak	330.00	300	Vertical	Pass
1**	1526.758	28.62	54.0	25.38	AV	330.00	300	Vertical	Pass
2	2332.251	42.20	74.0	31.80	Peak	40.00	100	Vertical	Pass
2**	2332.251	33.28	54.0	20.72	AV	40.00	100	Vertical	Pass
3	4903.318	48.68	74.0	25.32	Peak	147.00	200	Vertical	Pass
3**	4903.318	40.31	54.0	13.69	AV	147.00	200	Vertical	Pass
4	7324.009	53.42	74.0	20.58	Peak	296.00	400	Vertical	Pass
4**	7324.009	44.25	54.0	9.75	AV	296.00	400	Vertical	Pass
5	12489.768	55.47	74.0	18.53	Peak	169.00	200	Vertical	Pass
5**	12489.768	42.02	54.0	11.98	AV	169.00	200	Vertical	Pass
6	15691.016	51.31	74.0	22.69	Peak	96.00	300	Vertical	Pass
6**	15691.016	43.02	54.0	10.98	AV	96.00	300	Vertical	Pass

11ac20, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1526.680	37.82	74.0	36.18	Peak	285.00	300	Horizontal	Pass
1**	1526.680	28.33	54.0	25.67	AV	285.00	300	Horizontal	Pass
2	2274.808	43.86	74.0	30.14	Peak	196.00	400	Horizontal	Pass
2**	2274.808	36.67	54.0	17.33	AV	196.00	400	Horizontal	Pass
3	4042.640	47.14	74.0	26.86	Peak	187.00	200	Horizontal	Pass
3**	4042.640	39.90	54.0	14.10	AV	187.00	200	Horizontal	Pass
4	7617.640	52.57	74.0	21.43	Peak	127.00	200	Horizontal	Pass
4**	7617.640	40.59	54.0	13.41	AV	127.00	200	Horizontal	Pass
5	12453.620	52.94	74.0	21.06	Peak	332.00	400	Horizontal	Pass
5**	12453.620	44.66	54.0	9.34	AV	332.00	400	Horizontal	Pass
6	15905.319	54.51	74.0	19.49	Peak	29.00	200	Horizontal	Pass
6**	15905.319	41.93	54.0	12.07	AV	29.00	200	Horizontal	Pass

11ac20, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1530.967	36.62	74.0	37.38	Peak	234.00	200	Vertical	Pass
1**	1530.967	26.06	54.0	27.94	AV	234.00	200	Vertical	Pass
2	2335.294	47.04	74.0	26.96	Peak	106.00	100	Vertical	Pass
2**	2335.294	32.93	54.0	21.07	AV	106.00	100	Vertical	Pass
3	4902.288	47.00	74.0	27.00	Peak	251.00	200	Vertical	Pass
3**	4902.288	39.95	54.0	14.05	AV	251.00	200	Vertical	Pass
4	7330.294	56.29	74.0	17.71	Peak	113.00	200	Vertical	Pass
4**	7330.294	40.88	54.0	13.12	AV	113.00	200	Vertical	Pass
5	12484.790	55.70	74.0	18.30	Peak	56.00	100	Vertical	Pass
5**	12484.790	44.51	54.0	9.49	AV	56.00	100	Vertical	Pass
6	15693.917	56.15	74.0	17.85	Peak	99.00	400	Vertical	Pass
6**	15693.917	41.85	54.0	12.15	AV	99.00	400	Vertical	Pass

11ac20, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1521.458	39.82	74.0	34.18	Peak	301.00	100	Horizontal	Pass
1**	1521.458	29.74	54.0	24.26	AV	301.00	100	Horizontal	Pass
2	2271.123	42.23	74.0	31.77	Peak	332.00	100	Horizontal	Pass
2**	2271.123	35.93	54.0	18.07	AV	332.00	100	Horizontal	Pass
3	4050.377	47.87	74.0	26.13	Peak	359.00	200	Horizontal	Pass
3**	4050.377	38.55	54.0	15.45	AV	359.00	200	Horizontal	Pass
4	7621.062	52.10	74.0	21.90	Peak	80.00	200	Horizontal	Pass
4**	7621.062	42.10	54.0	11.90	AV	80.00	200	Horizontal	Pass
5	12453.248	54.34	74.0	19.66	Peak	290.00	400	Horizontal	Pass
5**	12453.248	46.82	54.0	7.18	AV	290.00	400	Horizontal	Pass
6	15907.290	54.95	74.0	19.05	Peak	39.00	300	Horizontal	Pass
6**	15907.290	42.73	54.0	11.27	AV	39.00	300	Horizontal	Pass

11ac20, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1528.289	36.73	74.0	37.27	Peak	181.00	400	Vertical	Pass
1**	1528.289	25.78	54.0	28.22	AV	181.00	400	Vertical	Pass
2	2339.301	46.67	74.0	27.33	Peak	280.00	100	Vertical	Pass
2**	2339.301	33.14	54.0	20.86	AV	280.00	100	Vertical	Pass
3	4899.737	50.79	74.0	23.21	Peak	1.00	200	Vertical	Pass
3**	4899.737	39.66	54.0	14.34	AV	1.00	200	Vertical	Pass
4	7328.014	55.84	74.0	18.16	Peak	277.00	100	Vertical	Pass
4**	7328.014	42.60	54.0	11.40	AV	277.00	100	Vertical	Pass
5	12485.866	50.96	74.0	23.04	Peak	220.00	100	Vertical	Pass
5**	12485.866	44.53	54.0	9.47	AV	220.00	100	Vertical	Pass
6	15692.717	55.50	74.0	18.50	Peak	126.00	300	Vertical	Pass
6**	15692.717	43.86	54.0	10.14	AV	126.00	300	Vertical	Pass

11ac20, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1525.819	36.63	74.0	37.37	Peak	291.00	200	Horizontal	Pass
1**	1525.819	27.34	54.0	26.66	AV	291.00	200	Horizontal	Pass
2	2272.082	46.74	74.0	27.26	Peak	303.00	100	Horizontal	Pass
2**	2272.082	31.86	54.0	22.14	AV	303.00	100	Horizontal	Pass
3	4050.475	45.39	74.0	28.61	Peak	16.00	200	Horizontal	Pass
3**	4050.475	37.43	54.0	16.57	AV	16.00	200	Horizontal	Pass
4	7618.848	55.00	74.0	19.00	Peak	305.00	200	Horizontal	Pass
4**	7618.848	40.84	54.0	13.16	AV	305.00	200	Horizontal	Pass
5	12456.748	55.19	74.0	18.81	Peak	322.00	300	Horizontal	Pass
5**	12456.748	41.75	54.0	12.25	AV	322.00	300	Horizontal	Pass
6	15900.767	54.57	74.0	19.43	Peak	202.00	400	Horizontal	Pass
6**	15900.767	43.50	54.0	10.50	AV	202.00	400	Horizontal	Pass

11ac20, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1533.433	36.11	74.0	37.89	Peak	338.00	400	Vertical	Pass
1**	1533.433	28.33	54.0	25.67	AV	338.00	400	Vertical	Pass
2	2331.919	42.58	74.0	31.42	Peak	234.00	200	Vertical	Pass
2**	2331.919	36.05	54.0	17.95	AV	234.00	200	Vertical	Pass
3	4897.792	49.70	74.0	24.30	Peak	235.00	200	Vertical	Pass
3**	4897.792	41.52	54.0	12.48	AV	235.00	200	Vertical	Pass
4	7325.692	52.97	74.0	21.03	Peak	75.00	100	Vertical	Pass
4**	7325.692	45.65	54.0	8.35	AV	75.00	100	Vertical	Pass
5	12483.904	53.37	74.0	20.63	Peak	18.00	300	Vertical	Pass
5**	12483.904	45.98	54.0	8.02	AV	18.00	300	Vertical	Pass
6	15691.899	53.03	74.0	20.97	Peak	330.00	400	Vertical	Pass
6**	15691.899	43.63	54.0	10.37	AV	330.00	400	Vertical	Pass

11a, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1521.127	36.36	74.0	37.64	Peak	113.00	100	Horizontal	Pass
1**	1521.127	31.21	54.0	22.79	AV	113.00	100	Horizontal	Pass
2	2278.820	42.30	74.0	31.70	Peak	235.00	400	Horizontal	Pass
2**	2278.820	34.61	54.0	19.39	AV	235.00	400	Horizontal	Pass
3	4050.303	44.91	74.0	29.09	Peak	84.00	200	Horizontal	Pass
3**	4050.303	36.04	54.0	17.96	AV	84.00	200	Horizontal	Pass
4	7618.703	55.45	74.0	18.55	Peak	133.00	100	Horizontal	Pass
4**	7618.703	43.61	54.0	10.39	AV	133.00	100	Horizontal	Pass
5	12456.668	55.24	74.0	18.76	Peak	135.00	300	Horizontal	Pass
5**	12456.668	42.58	54.0	11.42	AV	135.00	300	Horizontal	Pass
6	15901.754	52.38	74.0	21.62	Peak	102.00	100	Horizontal	Pass
6**	15901.754	44.51	54.0	9.49	AV	102.00	100	Horizontal	Pass

11a, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1595.623	38.14	74.0	35.86	Peak	333.00	200	Vertical	Pass
1**	1595.623	28.53	54.0	25.47	AV	333.00	200	Vertical	Pass
2	2224.166	40.70	74.0	33.30	Peak	70.00	100	Vertical	Pass
2**	2224.166	33.69	54.0	20.31	AV	70.00	100	Vertical	Pass
3	4261.030	49.85	74.0	24.15	Peak	249.00	200	Vertical	Pass
3**	4261.030	40.36	54.0	13.64	AV	249.00	200	Vertical	Pass
4	7710.934	57.26	74.0	16.74	Peak	342.00	100	Vertical	Pass
4**	7710.934	45.15	54.0	8.85	AV	342.00	100	Vertical	Pass
5	12497.240	52.01	74.0	21.99	Peak	243.00	300	Vertical	Pass
5**	12497.240	43.13	54.0	10.87	AV	243.00	300	Vertical	Pass
6	15671.243	55.81	74.0	18.19	Peak	119.00	300	Vertical	Pass
6**	15671.243	41.93	54.0	12.07	AV	119.00	300	Vertical	Pass

11a, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1528.081	36.07	74.0	37.93	Peak	79.00	100	Horizontal	Pass
1**	1528.081	26.34	54.0	27.66	AV	79.00	100	Horizontal	Pass
2	2278.123	45.70	74.0	28.30	Peak	118.00	200	Horizontal	Pass
2**	2278.123	36.32	54.0	17.68	AV	118.00	200	Horizontal	Pass
3	4050.186	44.43	74.0	29.57	Peak	184.00	200	Horizontal	Pass
3**	4050.186	39.94	54.0	14.06	AV	184.00	200	Horizontal	Pass
4	7623.744	54.38	74.0	19.62	Peak	100.00	400	Horizontal	Pass
4**	7623.744	45.26	54.0	8.74	AV	100.00	400	Horizontal	Pass
5	12452.081	51.76	74.0	22.24	Peak	204.00	300	Horizontal	Pass
5**	12452.081	45.97	54.0	8.03	AV	204.00	300	Horizontal	Pass
6	15906.891	53.32	74.0	20.68	Peak	360.00	300	Horizontal	Pass
6**	15906.891	47.02	54.0	6.98	AV	360.00	300	Horizontal	Pass

11a, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1599.329	41.48	74.0	32.52	Peak	284.00	300	Vertical	Pass
1**	1599.329	25.17	54.0	28.83	AV	284.00	300	Vertical	Pass
2	2228.719	39.09	74.0	34.91	Peak	127.00	400	Vertical	Pass
2**	2228.719	30.50	54.0	23.50	AV	127.00	400	Vertical	Pass
3	4260.630	47.05	74.0	26.95	Peak	127.00	200	Vertical	Pass
3**	4260.630	37.83	54.0	16.17	AV	127.00	200	Vertical	Pass
4	7704.852	55.54	74.0	18.46	Peak	190.00	100	Vertical	Pass
4**	7704.852	39.59	54.0	14.41	AV	190.00	100	Vertical	Pass
5	12500.807	53.27	74.0	20.73	Peak	16.00	400	Vertical	Pass
5**	12500.807	41.52	54.0	12.48	AV	16.00	400	Vertical	Pass
6	15675.309	55.42	74.0	18.58	Peak	326.00	200	Vertical	Pass
6**	15675.309	45.30	54.0	8.70	AV	326.00	200	Vertical	Pass

11a, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1522.119	40.86	74.0	33.14	Peak	318.00	100	Horizontal	Pass
1**	1522.119	25.92	54.0	28.08	AV	318.00	100	Horizontal	Pass
2	2277.496	42.98	74.0	31.02	Peak	41.00	200	Horizontal	Pass
2**	2277.496	35.67	54.0	18.33	AV	41.00	200	Horizontal	Pass
3	4042.603	45.88	74.0	28.12	Peak	313.00	200	Horizontal	Pass
3**	4042.603	34.49	54.0	19.51	AV	313.00	200	Horizontal	Pass
4	7621.699	55.03	74.0	18.97	Peak	196.00	200	Horizontal	Pass
4**	7621.699	43.53	54.0	10.47	AV	196.00	200	Horizontal	Pass
5	12453.425	51.12	74.0	22.88	Peak	13.00	200	Horizontal	Pass
5**	12453.425	41.56	54.0	12.44	AV	13.00	200	Horizontal	Pass
6	15902.961	56.23	74.0	17.77	Peak	278.00	300	Horizontal	Pass
6**	15902.961	44.15	54.0	9.85	AV	278.00	300	Horizontal	Pass

11a, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1595.648	42.33	74.0	31.67	Peak	324.00	300	Vertical	Pass
1**	1595.648	26.77	54.0	27.23	AV	324.00	300	Vertical	Pass
2	2227.155	42.49	74.0	31.51	Peak	286.00	300	Vertical	Pass
2**	2227.155	34.26	54.0	19.74	AV	286.00	300	Vertical	Pass
3	4261.672	47.95	74.0	26.05	Peak	158.00	200	Vertical	Pass
3**	4261.672	39.06	54.0	14.94	AV	158.00	200	Vertical	Pass
4	7705.589	57.87	74.0	16.13	Peak	336.00	100	Vertical	Pass
4**	7705.589	40.17	54.0	13.83	AV	336.00	100	Vertical	Pass
5	12495.761	55.08	74.0	18.92	Peak	23.00	200	Vertical	Pass
5**	12495.761	44.83	54.0	9.17	AV	23.00	200	Vertical	Pass
6	15672.316	58.17	74.0	15.83	Peak	249.00	400	Vertical	Pass
6**	15672.316	43.79	54.0	10.21	AV	249.00	400	Vertical	Pass

11n20, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1524.723	36.63	74.0	37.37	Peak	25.00	300	Horizontal	Pass
1**	1524.723	31.47	54.0	22.53	AV	25.00	300	Horizontal	Pass
2	2277.808	46.47	74.0	27.53	Peak	82.00	100	Horizontal	Pass
2**	2277.808	36.78	54.0	17.22	AV	82.00	100	Horizontal	Pass
3	4045.452	47.98	74.0	26.02	Peak	260.00	200	Horizontal	Pass
3**	4045.452	37.48	54.0	16.52	AV	260.00	200	Horizontal	Pass
4	7618.118	54.17	74.0	19.83	Peak	45.00	200	Horizontal	Pass
4**	7618.118	41.73	54.0	12.27	AV	45.00	200	Horizontal	Pass
5	12456.589	50.97	74.0	23.03	Peak	297.00	100	Horizontal	Pass
5**	12456.589	46.95	54.0	7.05	AV	297.00	100	Horizontal	Pass
6	15905.921	53.52	74.0	20.48	Peak	87.00	300	Horizontal	Pass
6**	15905.921	45.50	54.0	8.50	AV	87.00	300	Horizontal	Pass

11n20, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1602.125	38.66	74.0	35.34	Peak	244.00	200	Vertical	Pass
1**	1602.125	27.75	54.0	26.25	AV	244.00	200	Vertical	Pass
2	2224.214	44.18	74.0	29.82	Peak	290.00	400	Vertical	Pass
2**	2224.214	29.44	54.0	24.56	AV	290.00	400	Vertical	Pass
3	4258.267	49.71	74.0	24.29	Peak	52.00	200	Vertical	Pass
3**	4258.267	37.50	54.0	16.50	AV	52.00	200	Vertical	Pass
4	7706.643	55.62	74.0	18.38	Peak	358.00	400	Vertical	Pass
4**	7706.643	41.03	54.0	12.97	AV	358.00	400	Vertical	Pass
5	12498.626	51.54	74.0	22.46	Peak	36.00	400	Vertical	Pass
5**	12498.626	43.84	54.0	10.16	AV	36.00	400	Vertical	Pass
6	15670.090	57.15	74.0	16.85	Peak	243.00	400	Vertical	Pass
6**	15670.090	41.24	54.0	12.76	AV	243.00	400	Vertical	Pass

11n20, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1526.780	39.95	74.0	34.05	Peak	180.00	200	Horizontal	Pass
1**	1526.780	26.65	54.0	27.35	AV	180.00	200	Horizontal	Pass
2	2271.766	45.13	74.0	28.87	Peak	47.00	200	Horizontal	Pass
2**	2271.766	34.58	54.0	19.42	AV	47.00	200	Horizontal	Pass
3	4044.923	45.39	74.0	28.61	Peak	186.00	200	Horizontal	Pass
3**	4044.923	38.38	54.0	15.62	AV	186.00	200	Horizontal	Pass
4	7621.806	51.07	74.0	22.93	Peak	343.00	400	Horizontal	Pass
4**	7621.806	45.18	54.0	8.82	AV	343.00	400	Horizontal	Pass
5	12457.392	55.54	74.0	18.46	Peak	170.00	200	Horizontal	Pass
5**	12457.392	47.20	54.0	6.80	AV	170.00	200	Horizontal	Pass
6	15900.510	54.63	74.0	19.37	Peak	267.00	200	Horizontal	Pass
6**	15900.510	46.11	54.0	7.89	AV	267.00	200	Horizontal	Pass

11n20, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1602.238	41.57	74.0	32.43	Peak	155.00	100	Vertical	Pass
1**	1602.238	25.47	54.0	28.53	AV	155.00	100	Vertical	Pass
2	2231.367	42.47	74.0	31.53	Peak	320.00	200	Vertical	Pass
2**	2231.367	31.35	54.0	22.65	AV	320.00	200	Vertical	Pass
3	4258.923	49.00	74.0	25.00	Peak	7.00	200	Vertical	Pass
3**	4258.923	40.23	54.0	13.77	AV	7.00	200	Vertical	Pass
4	7705.259	58.10	74.0	15.90	Peak	264.00	100	Vertical	Pass
4**	7705.259	44.30	54.0	9.70	AV	264.00	100	Vertical	Pass
5	12497.228	50.65	74.0	23.35	Peak	223.00	100	Vertical	Pass
5**	12497.228	43.69	54.0	10.31	AV	223.00	100	Vertical	Pass
6	15673.104	54.50	74.0	19.50	Peak	327.00	100	Vertical	Pass
6**	15673.104	41.86	54.0	12.14	AV	327.00	100	Vertical	Pass

11n20, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1528.273	38.76	74.0	35.24	Peak	240.00	300	Horizontal	Pass
1**	1528.273	28.27	54.0	25.73	AV	240.00	300	Horizontal	Pass
2	2271.012	45.98	74.0	28.02	Peak	294.00	400	Horizontal	Pass
2**	2271.012	37.02	54.0	16.98	AV	294.00	400	Horizontal	Pass
3	4049.854	44.95	74.0	29.05	Peak	209.00	200	Horizontal	Pass
3**	4049.854	39.47	54.0	14.53	AV	209.00	200	Horizontal	Pass
4	7622.852	52.90	74.0	21.10	Peak	116.00	200	Horizontal	Pass
4**	7622.852	43.54	54.0	10.46	AV	116.00	200	Horizontal	Pass
5	12451.948	53.47	74.0	20.53	Peak	309.00	300	Horizontal	Pass
5**	12451.948	42.70	54.0	11.30	AV	309.00	300	Horizontal	Pass
6	15900.737	53.76	74.0	20.24	Peak	26.00	300	Horizontal	Pass
6**	15900.737	46.55	54.0	7.45	AV	26.00	300	Horizontal	Pass

11n20, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1600.829	37.56	74.0	36.44	Peak	61.00	100	Vertical	Pass
1**	1600.829	25.40	54.0	28.60	AV	61.00	100	Vertical	Pass
2	2226.243	42.18	74.0	31.82	Peak	6.00	400	Vertical	Pass
2**	2226.243	28.63	54.0	25.37	AV	6.00	400	Vertical	Pass
3	4255.796	50.09	74.0	23.91	Peak	115.00	200	Vertical	Pass
3**	4255.796	37.09	54.0	16.91	AV	115.00	200	Vertical	Pass
4	7706.428	56.29	74.0	17.71	Peak	279.00	300	Vertical	Pass
4**	7706.428	42.61	54.0	11.39	AV	279.00	300	Vertical	Pass
5	12500.047	52.94	74.0	21.06	Peak	319.00	400	Vertical	Pass
5**	12500.047	43.31	54.0	10.69	AV	319.00	400	Vertical	Pass
6	15670.839	54.68	74.0	19.32	Peak	289.00	100	Vertical	Pass
6**	15670.839	43.71	54.0	10.29	AV	289.00	100	Vertical	Pass

11ac20, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1525.067	37.56	74.0	36.44	Peak	197.00	300	Horizontal	Pass
1**	1525.067	25.95	54.0	28.05	AV	197.00	300	Horizontal	Pass
2	2275.577	44.52	74.0	29.48	Peak	263.00	100	Horizontal	Pass
2**	2275.577	36.18	54.0	17.82	AV	263.00	100	Horizontal	Pass
3	4048.281	48.22	74.0	25.78	Peak	303.00	200	Horizontal	Pass
3**	4048.281	35.61	54.0	18.39	AV	303.00	200	Horizontal	Pass
4	7621.478	51.16	74.0	22.84	Peak	110.00	200	Horizontal	Pass
4**	7621.478	40.73	54.0	13.27	AV	110.00	200	Horizontal	Pass
5	12458.216	53.82	74.0	20.18	Peak	186.00	200	Horizontal	Pass
5**	12458.216	46.45	54.0	7.55	AV	186.00	200	Horizontal	Pass
6	15902.531	56.43	74.0	17.57	Peak	75.00	200	Horizontal	Pass
6**	15902.531	46.77	54.0	7.23	AV	75.00	200	Horizontal	Pass

11ac20, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1598.890	40.57	74.0	33.43	Peak	65.00	100	Vertical	Pass
1**	1598.890	25.96	54.0	28.04	AV	65.00	100	Vertical	Pass
2	2231.059	41.47	74.0	32.53	Peak	288.00	300	Vertical	Pass
2**	2231.059	32.12	54.0	21.88	AV	288.00	300	Vertical	Pass
3	4259.998	50.65	74.0	23.35	Peak	158.00	200	Vertical	Pass
3**	4259.998	39.71	54.0	14.29	AV	158.00	200	Vertical	Pass
4	7705.972	57.19	74.0	16.81	Peak	147.00	300	Vertical	Pass
4**	7705.972	43.62	54.0	10.38	AV	147.00	300	Vertical	Pass
5	12495.454	51.13	74.0	22.87	Peak	308.00	200	Vertical	Pass
5**	12495.454	45.76	54.0	8.24	AV	308.00	200	Vertical	Pass
6	15676.464	57.63	74.0	16.37	Peak	104.00	100	Vertical	Pass
6**	15676.464	45.06	54.0	8.94	AV	104.00	100	Vertical	Pass

11ac20, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1521.112	37.33	74.0	36.67	Peak	162.00	200	Horizontal	Pass
1**	1521.112	27.56	54.0	26.44	AV	162.00	200	Horizontal	Pass
2	2276.387	43.45	74.0	30.55	Peak	61.00	300	Horizontal	Pass
2**	2276.387	33.34	54.0	20.66	AV	61.00	300	Horizontal	Pass
3	4042.749	47.71	74.0	26.29	Peak	315.00	200	Horizontal	Pass
3**	4042.749	35.03	54.0	18.97	AV	315.00	200	Horizontal	Pass
4	7618.337	52.36	74.0	21.64	Peak	193.00	300	Horizontal	Pass
4**	7618.337	41.80	54.0	12.20	AV	193.00	300	Horizontal	Pass
5	12454.256	54.57	74.0	19.43	Peak	335.00	400	Horizontal	Pass
5**	12454.256	41.82	54.0	12.18	AV	335.00	400	Horizontal	Pass
6	15902.179	54.78	74.0	19.22	Peak	200.00	300	Horizontal	Pass
6**	15902.179	47.29	54.0	6.71	AV	200.00	300	Horizontal	Pass

11ac20, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1601.754	41.52	74.0	32.48	Peak	317.00	400	Vertical	Pass
1**	1601.754	25.76	54.0	28.24	AV	317.00	400	Vertical	Pass
2	2224.166	41.56	74.0	32.44	Peak	84.00	100	Vertical	Pass
2**	2224.166	34.40	54.0	19.60	AV	84.00	100	Vertical	Pass
3	4261.417	49.62	74.0	24.38	Peak	204.00	200	Vertical	Pass
3**	4261.417	38.69	54.0	15.31	AV	204.00	200	Vertical	Pass
4	7709.464	55.82	74.0	18.18	Peak	75.00	100	Vertical	Pass
4**	7709.464	40.92	54.0	13.08	AV	75.00	100	Vertical	Pass
5	12500.354	56.53	74.0	17.47	Peak	136.00	300	Vertical	Pass
5**	12500.354	43.31	54.0	10.69	AV	136.00	300	Vertical	Pass
6	15673.360	57.92	74.0	16.08	Peak	121.00	200	Vertical	Pass
6**	15673.360	41.07	54.0	12.93	AV	121.00	200	Vertical	Pass

11ac20, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1526.769	40.07	74.0	33.93	Peak	140.00	200	Horizontal	Pass
1**	1526.769	26.38	54.0	27.62	AV	140.00	200	Horizontal	Pass
2	2274.735	43.00	74.0	31.00	Peak	136.00	400	Horizontal	Pass
2**	2274.735	35.83	54.0	18.17	AV	136.00	400	Horizontal	Pass
3	4047.501	45.16	74.0	28.84	Peak	356.00	200	Horizontal	Pass
3**	4047.501	38.99	54.0	15.01	AV	356.00	200	Horizontal	Pass
4	7623.921	50.41	74.0	23.59	Peak	174.00	100	Horizontal	Pass
4**	7623.921	42.71	54.0	11.29	AV	174.00	100	Horizontal	Pass
5	12452.658	50.74	74.0	23.26	Peak	67.00	400	Horizontal	Pass
5**	12452.658	45.11	54.0	8.89	AV	67.00	400	Horizontal	Pass
6	15905.474	55.29	74.0	18.71	Peak	257.00	200	Horizontal	Pass
6**	15905.474	42.42	54.0	11.58	AV	257.00	200	Horizontal	Pass

11ac20, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1600.030	40.60	74.0	33.40	Peak	315.00	100	Vertical	Pass
1**	1600.030	27.10	54.0	26.90	AV	315.00	100	Vertical	Pass
2	2230.366	39.35	74.0	34.65	Peak	228.00	400	Vertical	Pass
2**	2230.366	30.65	54.0	23.35	AV	228.00	400	Vertical	Pass
3	4256.733	47.34	74.0	26.66	Peak	167.00	200	Vertical	Pass
3**	4256.733	37.45	54.0	16.55	AV	167.00	200	Vertical	Pass
4	7706.351	57.07	74.0	16.93	Peak	124.00	300	Vertical	Pass
4**	7706.351	44.85	54.0	9.15	AV	124.00	300	Vertical	Pass
5	12500.778	51.55	74.0	22.45	Peak	214.00	400	Vertical	Pass
5**	12500.778	43.44	54.0	10.56	AV	214.00	400	Vertical	Pass
6	15674.184	54.76	74.0	19.24	Peak	318.00	400	Vertical	Pass
6**	15674.184	44.14	54.0	9.86	AV	318.00	400	Vertical	Pass

11a, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1521.868	40.82	74.0	33.18	Peak	255.00	300	Horizontal	Pass
1**	1521.868	28.78	54.0	25.22	AV	255.00	300	Horizontal	Pass
2	4021.157	47.12	74.0	26.88	Peak	70.00	200	Horizontal	Pass
2**	4021.157	39.46	54.0	14.54	AV	70.00	200	Horizontal	Pass
3	7594.748	53.53	74.0	20.47	Peak	150.00	200	Horizontal	Pass
3**	7594.748	42.20	54.0	11.80	AV	150.00	200	Horizontal	Pass
4	12457.616	52.21	74.0	21.79	Peak	188.00	100	Horizontal	Pass
4**	12457.616	44.99	54.0	9.01	AV	188.00	100	Horizontal	Pass
5	16095.886	51.79	74.0	22.21	Peak	38.00	400	Horizontal	Pass
5**	16095.886	46.06	54.0	7.94	AV	38.00	400	Horizontal	Pass
6	17418.724	58.07	74.0	15.93	Peak	210.00	300	Horizontal	Pass
6**	17418.724	47.71	54.0	6.29	AV	210.00	300	Horizontal	Pass

11a, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1336.857	43.83	74.0	30.17	Peak	292.00	400	Vertical	Pass
1**	1336.857	33.50	54.0	20.50	AV	292.00	400	Vertical	Pass
2	1438.341	40.62	74.0	33.38	Peak	307.00	200	Vertical	Pass
2**	1438.341	37.98	54.0	16.02	AV	307.00	200	Vertical	Pass
3	4310.286	49.43	74.0	24.57	Peak	196.00	200	Vertical	Pass
3**	4310.286	38.40	54.0	15.60	AV	196.00	200	Vertical	Pass
4	7597.951	54.97	74.0	19.03	Peak	172.00	200	Vertical	Pass
4**	7597.951	43.31	54.0	10.69	AV	172.00	200	Vertical	Pass
5	12537.471	52.74	74.0	21.26	Peak	295.00	200	Vertical	Pass
5**	12537.471	44.65	54.0	9.35	AV	295.00	200	Vertical	Pass
6	15909.495	52.29	74.0	21.71	Peak	22.00	100	Vertical	Pass
6**	15909.495	43.90	54.0	10.10	AV	22.00	100	Vertical	Pass

11a, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1524.684	38.45	74.0	35.55	Peak	321.00	100	Horizontal	Pass
1**	1524.684	29.96	54.0	24.04	AV	321.00	100	Horizontal	Pass
2	4017.751	50.10	74.0	23.90	Peak	288.00	400	Horizontal	Pass
2**	4017.751	35.74	54.0	18.26	AV	288.00	400	Horizontal	Pass
3	7601.991	54.45	74.0	19.55	Peak	212.00	200	Horizontal	Pass
3**	7601.991	44.98	54.0	9.02	AV	212.00	200	Horizontal	Pass
4	12454.441	54.82	74.0	19.18	Peak	141.00	100	Horizontal	Pass
4**	12454.441	42.43	54.0	11.57	AV	141.00	100	Horizontal	Pass
5	16093.497	53.18	74.0	20.82	Peak	93.00	300	Horizontal	Pass
5**	16093.497	47.69	54.0	6.31	AV	93.00	300	Horizontal	Pass
6	17416.358	53.57	74.0	20.43	Peak	283.00	100	Horizontal	Pass
6**	17416.358	44.50	54.0	9.50	AV	283.00	100	Horizontal	Pass

11a, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1334.124	46.39	74.0	27.61	Peak	33.00	300	Vertical	Pass
1**	1334.124	32.18	54.0	21.82	AV	33.00	300	Vertical	Pass
2	1437.995	42.50	74.0	31.50	Peak	353.00	100	Vertical	Pass
2**	1437.995	35.24	54.0	18.76	AV	353.00	100	Vertical	Pass
3	4312.015	49.92	74.0	24.08	Peak	4.00	200	Vertical	Pass
3**	4312.015	39.69	54.0	14.31	AV	4.00	200	Vertical	Pass
4	7593.044	55.64	74.0	18.36	Peak	315.00	100	Vertical	Pass
4**	7593.044	44.55	54.0	9.45	AV	315.00	100	Vertical	Pass
5	12538.793	55.22	74.0	18.78	Peak	195.00	100	Vertical	Pass
5**	12538.793	40.98	54.0	13.02	AV	195.00	100	Vertical	Pass
6	15910.117	53.95	74.0	20.05	Peak	183.00	300	Vertical	Pass
6**	15910.117	46.08	54.0	7.92	AV	183.00	300	Vertical	Pass

11a, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1521.917	37.95	74.0	36.05	Peak	233.00	400	Horizontal	Pass
1**	1521.917	31.68	54.0	22.32	AV	233.00	400	Horizontal	Pass
2	4023.840	48.16	74.0	25.84	Peak	173.00	100	Horizontal	Pass
2**	4023.840	37.81	54.0	16.19	AV	173.00	100	Horizontal	Pass
3	7600.578	54.53	74.0	19.47	Peak	272.00	200	Horizontal	Pass
3**	7600.578	46.18	54.0	7.82	AV	272.00	200	Horizontal	Pass
4	12457.995	54.82	74.0	19.18	Peak	198.00	100	Horizontal	Pass
4**	12457.995	43.24	54.0	10.76	AV	198.00	100	Horizontal	Pass
5	16098.292	54.29	74.0	19.71	Peak	153.00	300	Horizontal	Pass
5**	16098.292	45.32	54.0	8.68	AV	153.00	300	Horizontal	Pass
6	17419.091	54.69	74.0	19.31	Peak	77.00	300	Horizontal	Pass
6**	17419.091	49.72	54.0	4.28	AV	77.00	300	Horizontal	Pass

11a, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1334.186	46.99	74.0	27.01	Peak	125.00	100	Vertical	Pass
1**	1334.186	36.57	54.0	17.43	AV	125.00	100	Vertical	Pass
2	1441.232	43.72	74.0	30.28	Peak	98.00	300	Vertical	Pass
2**	1441.232	40.00	54.0	14.00	AV	98.00	300	Vertical	Pass
3	4312.047	46.65	74.0	27.35	Peak	145.00	200	Vertical	Pass
3**	4312.047	39.23	54.0	14.77	AV	145.00	200	Vertical	Pass
4	7592.870	51.91	74.0	22.09	Peak	69.00	200	Vertical	Pass
4**	7592.870	43.53	54.0	10.47	AV	69.00	200	Vertical	Pass
5	12531.486	50.93	74.0	23.07	Peak	134.00	100	Vertical	Pass
5**	12531.486	46.67	54.0	7.33	AV	134.00	100	Vertical	Pass
6	15909.339	54.63	74.0	19.37	Peak	201.00	100	Vertical	Pass
6**	15909.339	46.39	54.0	7.61	AV	201.00	100	Vertical	Pass

11n20, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1524.534	40.63	74.0	33.37	Peak	143.00	400	Horizontal	Pass
1**	1524.534	26.89	54.0	27.11	AV	143.00	400	Horizontal	Pass
2	4021.209	44.91	74.0	29.09	Peak	43.00	200	Horizontal	Pass
2**	4021.209	35.72	54.0	18.28	AV	43.00	200	Horizontal	Pass
3	7600.236	55.56	74.0	18.44	Peak	286.00	200	Horizontal	Pass
3**	7600.236	44.74	54.0	9.26	AV	286.00	200	Horizontal	Pass
4	12452.316	54.68	74.0	19.32	Peak	355.00	300	Horizontal	Pass
4**	12452.316	43.36	54.0	10.64	AV	355.00	300	Horizontal	Pass
5	16098.297	55.76	74.0	18.24	Peak	92.00	400	Horizontal	Pass
5**	16098.297	43.94	54.0	10.06	AV	92.00	400	Horizontal	Pass
6	17417.753	57.71	74.0	16.29	Peak	174.00	100	Horizontal	Pass
6**	17417.753	49.89	54.0	4.11	AV	174.00	100	Horizontal	Pass

11n20, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.059	45.03	74.0	28.97	Peak	320.00	400	Vertical	Pass
1**	1333.059	32.42	54.0	21.58	AV	320.00	400	Vertical	Pass
2	1443.566	43.11	74.0	30.89	Peak	179.00	400	Vertical	Pass
2**	1443.566	36.87	54.0	17.13	AV	179.00	400	Vertical	Pass
3	4310.436	49.55	74.0	24.45	Peak	353.00	200	Vertical	Pass
3**	4310.436	37.00	54.0	17.00	AV	353.00	200	Vertical	Pass
4	7591.822	53.73	74.0	20.27	Peak	354.00	200	Vertical	Pass
4**	7591.822	43.54	54.0	10.46	AV	354.00	200	Vertical	Pass
5	12534.107	53.40	74.0	20.60	Peak	90.00	100	Vertical	Pass
5**	12534.107	44.51	54.0	9.49	AV	90.00	100	Vertical	Pass
6	15903.708	53.88	74.0	20.12	Peak	202.00	300	Vertical	Pass
6**	15903.708	48.03	54.0	5.97	AV	202.00	300	Vertical	Pass

11n20, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1522.920	40.28	74.0	33.72	Peak	138.00	100	Horizontal	Pass
1**	1522.920	27.81	54.0	26.19	AV	138.00	100	Horizontal	Pass
2	4016.694	46.67	74.0	27.33	Peak	281.00	300	Horizontal	Pass
2**	4016.694	38.26	54.0	15.74	AV	281.00	300	Horizontal	Pass
3	7595.367	56.19	74.0	17.81	Peak	60.00	200	Horizontal	Pass
3**	7595.367	40.66	54.0	13.34	AV	60.00	200	Horizontal	Pass
4	12455.145	55.58	74.0	18.42	Peak	33.00	100	Horizontal	Pass
4**	12455.145	47.11	54.0	6.89	AV	33.00	100	Horizontal	Pass
5	16093.252	55.53	74.0	18.47	Peak	16.00	100	Horizontal	Pass
5**	16093.252	44.82	54.0	9.18	AV	16.00	100	Horizontal	Pass
6	17422.308	56.97	74.0	17.03	Peak	108.00	300	Horizontal	Pass
6**	17422.308	47.19	54.0	6.81	AV	108.00	300	Horizontal	Pass

11n20, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1336.223	46.92	74.0	27.08	Peak	15.00	400	Vertical	Pass
1**	1336.223	32.91	54.0	21.09	AV	15.00	400	Vertical	Pass
2	1440.108	39.07	74.0	34.93	Peak	29.00	300	Vertical	Pass
2**	1440.108	39.11	54.0	14.89	AV	29.00	300	Vertical	Pass
3	4310.117	45.99	74.0	28.01	Peak	337.00	200	Vertical	Pass
3**	4310.117	40.90	54.0	13.10	AV	337.00	200	Vertical	Pass
4	7593.305	52.39	74.0	21.61	Peak	225.00	200	Vertical	Pass
4**	7593.305	45.64	54.0	8.36	AV	225.00	200	Vertical	Pass
5	12537.050	55.73	74.0	18.27	Peak	53.00	300	Vertical	Pass
5**	12537.050	44.03	54.0	9.97	AV	53.00	300	Vertical	Pass
6	15903.696	54.75	74.0	19.25	Peak	212.00	200	Vertical	Pass
6**	15903.696	43.21	54.0	10.79	AV	212.00	200	Vertical	Pass

11n20, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1523.049	40.00	74.0	34.00	Peak	174.00	100	Horizontal	Pass
1**	1523.049	30.89	54.0	23.11	AV	174.00	100	Horizontal	Pass
2	4021.823	46.60	74.0	27.40	Peak	271.00	100	Horizontal	Pass
2**	4021.823	36.56	54.0	17.44	AV	271.00	100	Horizontal	Pass
3	7596.998	54.89	74.0	19.11	Peak	140.00	200	Horizontal	Pass
3**	7596.998	42.95	54.0	11.05	AV	140.00	200	Horizontal	Pass
4	12459.237	53.24	74.0	20.76	Peak	233.00	400	Horizontal	Pass
4**	12459.237	42.51	54.0	11.49	AV	233.00	400	Horizontal	Pass
5	16093.142	53.89	74.0	20.11	Peak	357.00	400	Horizontal	Pass
5**	16093.142	42.32	54.0	11.68	AV	357.00	400	Horizontal	Pass
6	17421.232	56.29	74.0	17.71	Peak	156.00	200	Horizontal	Pass
6**	17421.232	45.75	54.0	8.25	AV	156.00	200	Horizontal	Pass

11n20, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1335.136	45.35	74.0	28.65	Peak	106.00	400	Vertical	Pass
1**	1335.136	36.09	54.0	17.91	AV	106.00	400	Vertical	Pass
2	1440.739	42.05	74.0	31.95	Peak	29.00	100	Vertical	Pass
2**	1440.739	37.90	54.0	16.10	AV	29.00	100	Vertical	Pass
3	4310.091	47.05	74.0	26.95	Peak	283.00	200	Vertical	Pass
3**	4310.091	38.35	54.0	15.65	AV	283.00	200	Vertical	Pass
4	7594.275	52.52	74.0	21.48	Peak	82.00	400	Vertical	Pass
4**	7594.275	45.06	54.0	8.94	AV	82.00	400	Vertical	Pass
5	12538.434	54.56	74.0	19.44	Peak	250.00	200	Vertical	Pass
5**	12538.434	41.21	54.0	12.79	AV	250.00	200	Vertical	Pass
6	15909.758	56.91	74.0	17.09	Peak	214.00	400	Vertical	Pass
6**	15909.758	47.81	54.0	6.19	AV	214.00	400	Vertical	Pass

11ac20, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1520.272	39.54	74.0	34.46	Peak	198.00	300	Horizontal	Pass
1**	1520.272	30.38	54.0	23.62	AV	198.00	300	Horizontal	Pass
2	4016.106	48.47	74.0	25.53	Peak	42.00	100	Horizontal	Pass
2**	4016.106	38.37	54.0	15.63	AV	42.00	100	Horizontal	Pass
3	7599.102	50.60	74.0	23.40	Peak	289.00	200	Horizontal	Pass
3**	7599.102	45.43	54.0	8.57	AV	289.00	200	Horizontal	Pass
4	12455.776	51.80	74.0	22.20	Peak	96.00	400	Horizontal	Pass
4**	12455.776	42.81	54.0	11.19	AV	96.00	400	Horizontal	Pass
5	16096.461	56.46	74.0	17.54	Peak	36.00	300	Horizontal	Pass
5**	16096.461	46.22	54.0	7.78	AV	36.00	300	Horizontal	Pass
6	17423.216	53.36	74.0	20.64	Peak	330.00	400	Horizontal	Pass
6**	17423.216	49.48	54.0	4.52	AV	330.00	400	Horizontal	Pass

11ac20, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1334.482	47.17	74.0	26.83	Peak	7.00	400	Vertical	Pass
1**	1334.482	34.23	54.0	19.77	AV	7.00	400	Vertical	Pass
2	1442.411	43.05	74.0	30.95	Peak	57.00	200	Vertical	Pass
2**	1442.411	35.68	54.0	18.32	AV	57.00	200	Vertical	Pass
3	4313.378	48.09	74.0	25.91	Peak	199.00	200	Vertical	Pass
3**	4313.378	41.08	54.0	12.92	AV	199.00	200	Vertical	Pass
4	7592.825	54.14	74.0	19.86	Peak	134.00	100	Vertical	Pass
4**	7592.825	45.97	54.0	8.03	AV	134.00	100	Vertical	Pass
5	12536.556	52.07	74.0	21.93	Peak	189.00	200	Vertical	Pass
5**	12536.556	44.50	54.0	9.50	AV	189.00	200	Vertical	Pass
6	15903.726	54.28	74.0	19.72	Peak	0.00	300	Vertical	Pass
6**	15903.726	44.12	54.0	9.88	AV	0.00	300	Vertical	Pass

11ac20, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1518.373	38.16	74.0	35.84	Peak	206.00	400	Horizontal	Pass
1**	1518.373	27.31	54.0	26.69	AV	206.00	400	Horizontal	Pass
2	4017.074	45.97	74.0	28.03	Peak	66.00	300	Horizontal	Pass
2**	4017.074	36.68	54.0	17.32	AV	66.00	300	Horizontal	Pass
3	7595.042	52.61	74.0	21.39	Peak	187.00	200	Horizontal	Pass
3**	7595.042	41.95	54.0	12.05	AV	187.00	200	Horizontal	Pass
4	12454.683	52.11	74.0	21.89	Peak	150.00	200	Horizontal	Pass
4**	12454.683	42.73	54.0	11.27	AV	150.00	200	Horizontal	Pass
5	16097.009	52.91	74.0	21.09	Peak	25.00	100	Horizontal	Pass
5**	16097.009	43.64	54.0	10.36	AV	25.00	100	Horizontal	Pass
6	17422.142	53.40	74.0	20.60	Peak	36.00	100	Horizontal	Pass
6**	17422.142	46.76	54.0	7.24	AV	36.00	100	Horizontal	Pass

11ac20, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1336.016	42.22	74.0	31.78	Peak	137.00	400	Vertical	Pass
1**	1336.016	32.29	54.0	21.71	AV	137.00	400	Vertical	Pass
2	1444.262	44.25	74.0	29.75	Peak	3.00	200	Vertical	Pass
2**	1444.262	35.17	54.0	18.83	AV	3.00	200	Vertical	Pass
3	4310.012	44.69	74.0	29.31	Peak	148.00	200	Vertical	Pass
3**	4310.012	39.23	54.0	14.77	AV	148.00	200	Vertical	Pass
4	7595.030	52.34	74.0	21.66	Peak	295.00	200	Vertical	Pass
4**	7595.030	42.98	54.0	11.02	AV	295.00	200	Vertical	Pass
5	12533.581	51.43	74.0	22.57	Peak	285.00	400	Vertical	Pass
5**	12533.581	42.15	54.0	11.85	AV	285.00	400	Vertical	Pass
6	15904.418	57.25	74.0	16.75	Peak	322.00	400	Vertical	Pass
6**	15904.418	45.94	54.0	8.06	AV	322.00	400	Vertical	Pass

11ac20, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1517.523	37.34	74.0	36.66	Peak	283.00	300	Horizontal	Pass
1**	1517.523	29.77	54.0	24.23	AV	283.00	300	Horizontal	Pass
2	4016.325	44.81	74.0	29.19	Peak	208.00	100	Horizontal	Pass
2**	4016.325	38.70	54.0	15.30	AV	208.00	100	Horizontal	Pass
3	7598.349	51.10	74.0	22.90	Peak	334.00	200	Horizontal	Pass
3**	7598.349	42.80	54.0	11.20	AV	334.00	200	Horizontal	Pass
4	12456.044	53.50	74.0	20.50	Peak	161.00	400	Horizontal	Pass
4**	12456.044	43.61	54.0	10.39	AV	161.00	400	Horizontal	Pass
5	16096.552	53.10	74.0	20.90	Peak	329.00	200	Horizontal	Pass
5**	16096.552	43.71	54.0	10.29	AV	329.00	200	Horizontal	Pass
6	17417.488	54.46	74.0	19.54	Peak	328.00	400	Horizontal	Pass
6**	17417.488	46.89	54.0	7.11	AV	328.00	400	Horizontal	Pass

11ac20, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1336.954	47.26	74.0	26.74	Peak	202.00	100	Vertical	Pass
1**	1336.954	35.47	54.0	18.53	AV	202.00	100	Vertical	Pass
2	1442.010	44.25	74.0	29.75	Peak	163.00	300	Vertical	Pass
2**	1442.010	37.77	54.0	16.23	AV	163.00	300	Vertical	Pass
3	4310.020	49.31	74.0	24.69	Peak	192.00	200	Vertical	Pass
3**	4310.020	41.10	54.0	12.90	AV	192.00	200	Vertical	Pass
4	7593.993	51.47	74.0	22.53	Peak	53.00	300	Vertical	Pass
4**	7593.993	45.30	54.0	8.70	AV	53.00	300	Vertical	Pass
5	12534.248	53.40	74.0	20.60	Peak	262.00	200	Vertical	Pass
5**	12534.248	41.71	54.0	12.29	AV	262.00	200	Vertical	Pass
6	15906.196	56.34	74.0	17.66	Peak	215.00	300	Vertical	Pass
6**	15906.196	47.70	54.0	6.30	AV	215.00	300	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

Test Band	Mode	Channel	Verdict
U-NII-1	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
U-NII-2A	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
U-NII-2C	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
U-NII-3	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass

Test Data**U-NII-1 11a Low Channel**

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5075.249	54.96	74.0	19.04	Peak	267.00	300	Horizontal	Pass
1**	5075.249	46.09	54.0	7.91	AV	267.00	300	Horizontal	Pass
2	5150.000	55.93	74.0	18.07	Peak	58.00	100	Horizontal	Pass
2**	5150.000	44.41	54.0	9.59	AV	58.00	100	Horizontal	Pass

U-NII-1 11a High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	53.37	74.0	20.63	Peak	275.00	100	Horizontal	Pass
1**	5350.000	44.83	54.0	9.17	AV	275.00	100	Horizontal	Pass
2	5423.853	55.28	74.0	18.72	Peak	152.00	200	Horizontal	Pass
2**	5423.853	46.86	54.0	7.14	AV	152.00	200	Horizontal	Pass

U-NII-1 11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5075.186	55.81	74.0	18.19	Peak	193.00	300	Horizontal	Pass
1**	5075.186	43.08	54.0	10.92	AV	193.00	300	Horizontal	Pass
2	5150.000	54.35	74.0	19.65	Peak	180.00	300	Horizontal	Pass
2**	5150.000	45.87	54.0	8.13	AV	180.00	300	Horizontal	Pass

U-NII-1 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.85	74.0	18.15	Peak	289.00	100	Horizontal	Pass
1**	5350.000	43.02	54.0	10.98	AV	289.00	100	Horizontal	Pass
2	5424.121	57.49	74.0	16.51	Peak	346.00	300	Horizontal	Pass
2**	5424.121	46.87	54.0	7.13	AV	346.00	300	Horizontal	Pass

U-NII-1 11ac20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5078.097	54.84	74.0	19.16	Peak	5.00	100	Horizontal	Pass
1**	5078.097	45.73	54.0	8.27	AV	5.00	100	Horizontal	Pass
2	5150.000	52.67	74.0	21.33	Peak	210.00	300	Horizontal	Pass
2**	5150.000	42.47	54.0	11.53	AV	210.00	300	Horizontal	Pass

U-NII-1 11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	53.46	74.0	20.54	Peak	69.00	200	Horizontal	Pass
1**	5350.000	45.12	54.0	8.88	AV	69.00	200	Horizontal	Pass
2	5422.202	56.01	74.0	17.99	Peak	24.00	200	Horizontal	Pass
2**	5422.202	46.93	54.0	7.07	AV	24.00	200	Horizontal	Pass

U-NII-2A 11a Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4998.688	57.01	74.0	16.99	Peak	41.00	300	Horizontal	Pass
1**	4998.688	43.87	54.0	10.13	AV	41.00	300	Horizontal	Pass
2	5150.000	52.98	74.0	21.02	Peak	111.00	200	Horizontal	Pass
2**	5150.000	43.95	54.0	10.05	AV	111.00	200	Horizontal	Pass

U-NII-2A 11a High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.45	74.0	18.55	Peak	60.00	100	Horizontal	Pass
1**	5350.000	45.27	54.0	8.73	AV	60.00	100	Horizontal	Pass
2	5461.950	55.61	74.0	18.39	Peak	210.00	200	Horizontal	Pass
2**	5461.950	44.53	54.0	9.47	AV	210.00	200	Horizontal	Pass

U-NII-2A 11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4997.923	57.59	74.0	16.41	Peak	308.00	200	Horizontal	Pass
1**	4997.923	43.25	54.0	10.75	AV	308.00	200	Horizontal	Pass
2	5150.000	52.69	74.0	21.31	Peak	92.00	100	Horizontal	Pass
2**	5150.000	42.99	54.0	11.01	AV	92.00	100	Horizontal	Pass

U-NII-2A 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	52.99	74.0	21.01	Peak	161.00	300	Horizontal	Pass
1**	5350.000	46.61	54.0	7.39	AV	161.00	300	Horizontal	Pass
2	5459.225	56.89	74.0	17.11	Peak	344.00	200	Horizontal	Pass
2**	5459.225	45.99	54.0	8.01	AV	344.00	200	Horizontal	Pass

U-NII-2A 11ac20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4998.511	55.86	74.0	18.14	Peak	62.00	300	Horizontal	Pass
1**	4998.511	44.96	54.0	9.04	AV	62.00	300	Horizontal	Pass
2	5150.000	52.83	74.0	21.17	Peak	204.00	100	Horizontal	Pass
2**	5150.000	44.14	54.0	9.86	AV	204.00	100	Horizontal	Pass

U-NII-2A 11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.79	74.0	18.21	Peak	122.00	300	Horizontal	Pass
1**	5350.000	45.09	54.0	8.91	AV	122.00	300	Horizontal	Pass
2	5459.857	57.65	74.0	16.35	Peak	210.00	100	Horizontal	Pass
2**	5459.857	46	54.0	8.00	AV	210.00	100	Horizontal	Pass

U-NII-2C 11a Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5410.778	58.2	74.0	15.80	Peak	99.00	200	Horizontal	Pass
1**	5410.918	46.29	54.0	7.71	AV	99.00	200	Horizontal	Pass
2	5460.000	54.9	74.0	19.10	Peak	191.00	100	Horizontal	Pass
2**	5460.000	44.06	54.0	9.94	AV	191.00	100	Horizontal	Pass
3	5467.025	56.24	68.2	11.96	Peak	169.00	100	Horizontal	Pass
3**	5467.153	46.48	--	--	AV	169.00	100	Horizontal	N/A
4	5470.000	54.81	68.2	13.39	Peak	258.00	200	Horizontal	Pass
4**	5470.000	45.05	--	--	AV	258.00	200	Horizontal	N/A

U-NII-2C 11a High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.09	68.2	13.11	Peak	285.00	100	Horizontal	Pass
2	5775.810	55.02	68.2	13.18	Peak	102.00	100	Horizontal	Pass

U-NII-2C 11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5412.592	57.92	74.0	16.08	Peak	308.00	100	Horizontal	Pass
1**	5410.609	44.32	54.0	9.68	AV	308.00	100	Horizontal	Pass
2	5460.000	56.4	74.0	17.60	Peak	312.00	100	Horizontal	Pass
2**	5460.000	45.87	54.0	8.13	AV	312.00	100	Horizontal	Pass
3	5467.173	58.13	68.2	10.07	Peak	172.00	200	Horizontal	Pass
3**	5467.684	44.25	--	--	AV	172.00	200	Horizontal	N/A
4	5470.000	54.82	68.2	13.38	Peak	49.00	200	Horizontal	Pass
4**	5470.000	46.58	--	--	AV	49.00	200	Horizontal	N/A

U-NII-2C 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	54.48	68.2	13.72	Peak	122.00	100	Horizontal	Pass
2	5775.939	56.7	68.2	11.50	Peak	32.00	200	Horizontal	Pass

U-NII-2C 11ac20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5412.227	58.59	74.0	15.41	Peak	43.00	300	Horizontal	Pass
1**	5411.591	43.73	54.0	10.27	AV	43.00	300	Horizontal	Pass
2	5460.000	57.48	74.0	16.52	Peak	208.00	100	Horizontal	Pass
2**	5460.000	47.66	54.0	6.34	AV	208.00	100	Horizontal	Pass
3	5467.553	58.6	68.2	9.60	Peak	222.00	100	Horizontal	Pass
3**	5466.001	46.47	--	--	AV	222.00	100	Horizontal	N/A
4	5470.000	53.76	68.2	14.44	Peak	196.00	300	Horizontal	Pass
4**	5470.000	45.56	--	--	AV	196.00	300	Horizontal	N/A

U-NII-2C 11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	53.8	68.2	14.40	Peak	207.00	300	Horizontal	Pass
2	5777.370	55.23	68.2	12.97	Peak	121.00	300	Horizontal	Pass

U-NII-3 11a Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5643.741	54.3	68.2	13.90	Peak	244.00	300	Horizontal	Pass
2	5650.000	56.61	68.2	11.59	Peak	244.00	300	Horizontal	Pass

U-NII-3 11a High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	54.82	68.2	13.38	Peak	57.00	300	Horizontal	Pass
2	5944.546	58.6	68.2	9.60	Peak	121.00	100	Horizontal	Pass

U-NII-3 11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5642.869	59.87	68.2	8.33	Peak	303.00	200	Horizontal	Pass
2	5650.000	56.5	68.2	11.70	Peak	303.00	200	Horizontal	Pass

U-NII-3 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	53.96	68.2	14.24	Peak	5.00	100	Horizontal	Pass
2	5727.796	61.24	68.2	6.96	Peak	360.00	300	Horizontal	Pass

U-NII-3 11ac20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5642.727	60.96	68.2	7.24	Peak	206.00	300	Horizontal	Pass
2	5650.000	54.95	68.2	13.25	Peak	206.00	300	Horizontal	Pass

U-NII-3 11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	54.24	68.2	13.96	Peak	343.00	200	Horizontal	Pass
2	5728.288	61.51	68.2	6.69	Peak	330.00	300	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2480804-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2480804-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2480804-AI.PDF”.

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--END OF REPORT--