TEST REPORT

Applicant:	Hangzhou Sunyard Technology Co., Ltd.
Address:	Sunyard Science & Technology Building, 3888 Jiangnan Ave., Binjiang Dist., Hangzhou, China
Equipment Type:	Android POS Terminal
Model Name:	S60P (refer to section 2.3)
Brand Name:	SUNYARD
FCC ID:	2BFZW-S60
Test Standard:	47 CFR Part 15 Subpart E (refer to section 3.1)
Sample Arrival Date:	Feb. 06, 2025
Test Date:	Feb. 08, 2025 - Feb. 11, 2025
Date of Issue:	Mar. 07, 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
Rev. 01	Mar. 07, 2025	Initial Issue

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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.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Hangzhou Sunyard Technology Co., Ltd.
Address	Sunyard Science & Technology Building, 3888 Jiangnan Ave., Binjiang Dist., Hangzhou, China

2.2 Manufacturer Information

Manufacturer	Hangzhou Sunyard Technology Co., Ltd.
Address	Sunyard Science & Technology Building, 3888 Jiangnan Ave., Binjiang Dist., Hangzhou, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Android POS Terminal
Model Name Under Test	S60P
Series Model Name	S60
Description of Model name differentiation	All models are same with electrical parameters and internal circuit structure, but only differ as below. (this information provided by the applicant).

Model	Screen	Button
S60P	4 inch	Physical buttons
S60	5 inch	Virtual buttons

Hardware Version	V1.10
Software Version	20_24_13001
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network FDD LTE Band 2/4/5/7/12/17/66 TDD LTE Band 38/41 Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40) and 802.11ac(VHT20/40/80), NFC

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-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, 40 MHz 802.11ac: 20 MHz, 40 MHz, 80 MHz
Maximum Output Power	U-NII-1: 48.53 mW U-NII-3: 47.75 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	PIFA Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: 2.29 dBi U-NII-3: 5725 MHz to 5850 MHz: 1.03 dBi
About the Product	The equipment is Android POS Terminal, 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		40 MHz		80 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	**5180**	**38**	**5190**	**42**	**5210**
40	5200	**46**	**5230**	**155**	**5775**
44	**5220**	**151**	**5755**		
48	**5240**	**159**	**5795**		
149	**5745**				
153	5765				
157	**5785**				
161	5805				
165	**5825**				

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-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
36	Low	5180	149	Low	5745
44	Mid	5220	157	Mid	5785
48	High	5240	165	High	5825

For 802.11n(HT40)/ac(VHT40)

U-NII-1 (5150 - 5250 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
38	Low	5190	151	Low	5755
46	High	5230	159	High	5795

For 802.11ac(VHT80)

U-NII-1 (5150 - 5250 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
42	Mid	5210	155	Mid	5775

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 Channel	U-NII-3 Channel
RF Output Power	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
6 dB bandwidth	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
Power Spectral Density	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
Band Edge (Restricted-band)	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155

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 ☆	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

3.2 Test Verdict

No.	Description	FCC Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	--	Pass[Note1]
2	RF Output Power	15.407(a)	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	ANNEX A.4	Pass
6	Conducted Emission	15.207	ANNEX A.5	Pass
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	ANNEX A.6	Pass

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

Note [2]: 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	25% to 52%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.1℃ to +23.1℃
Working Voltage of the EUT	NV (Normal Voltage)	7.2 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
Signaling Unit	ROHDE&SCHWARZ	CMW500	171150	2024.05.22	2025.05.21
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	2025.12.06
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2024.08.01	2025.07.31
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	Agilent	N9038A	MY55330120	2024.08.01	2025.07.31
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-00867	2022.04.12	2025.04.11
Amplifier	COM-MV	ZT30-1000M	B2017119081	2024.11.28	2025.11.27
Anechoic Chamber	YiHeng	9m*6m*6m	142	2024.07.21	2027.07.20
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.

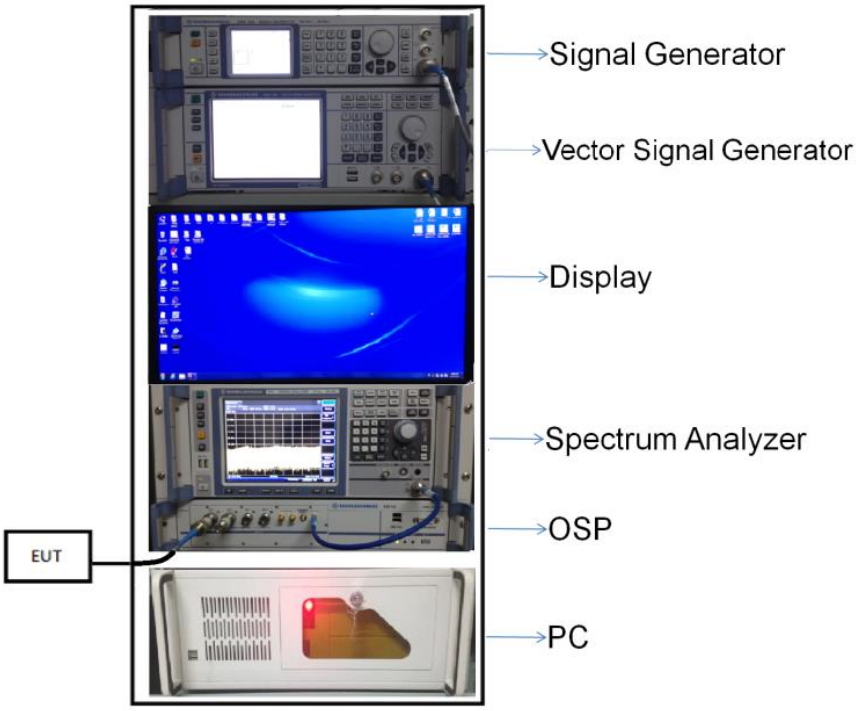
Parameters	Uncertainty
Occupied Channel Bandwidth	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.8°C
Humidity	4%

4.5 Description of Test Setup

4.5.1 For Antenna Port Test

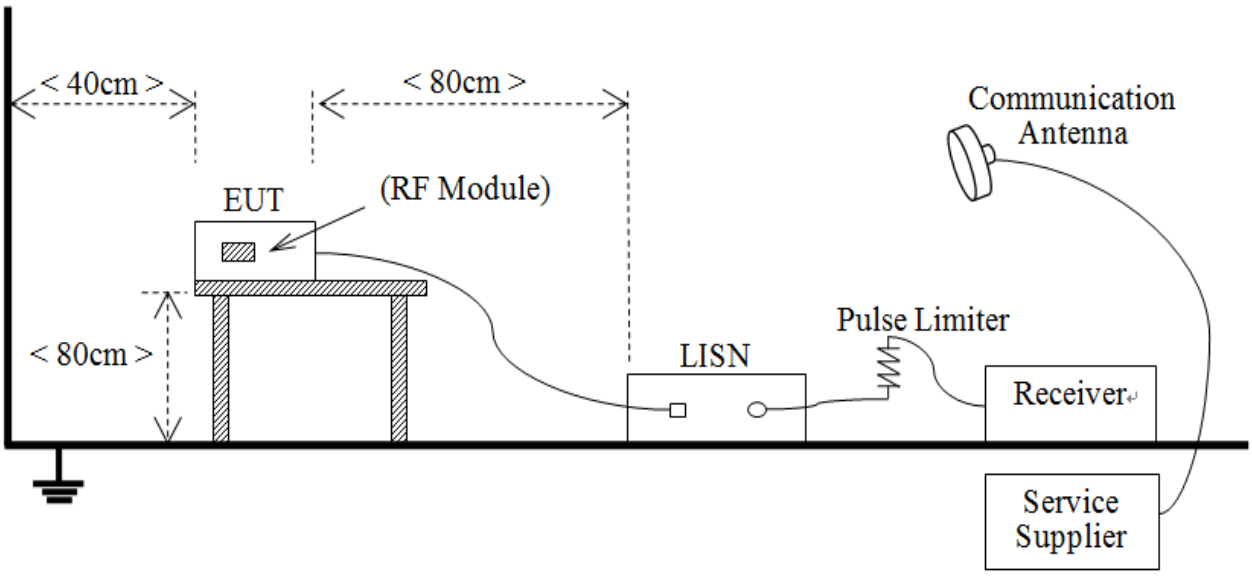
Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

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



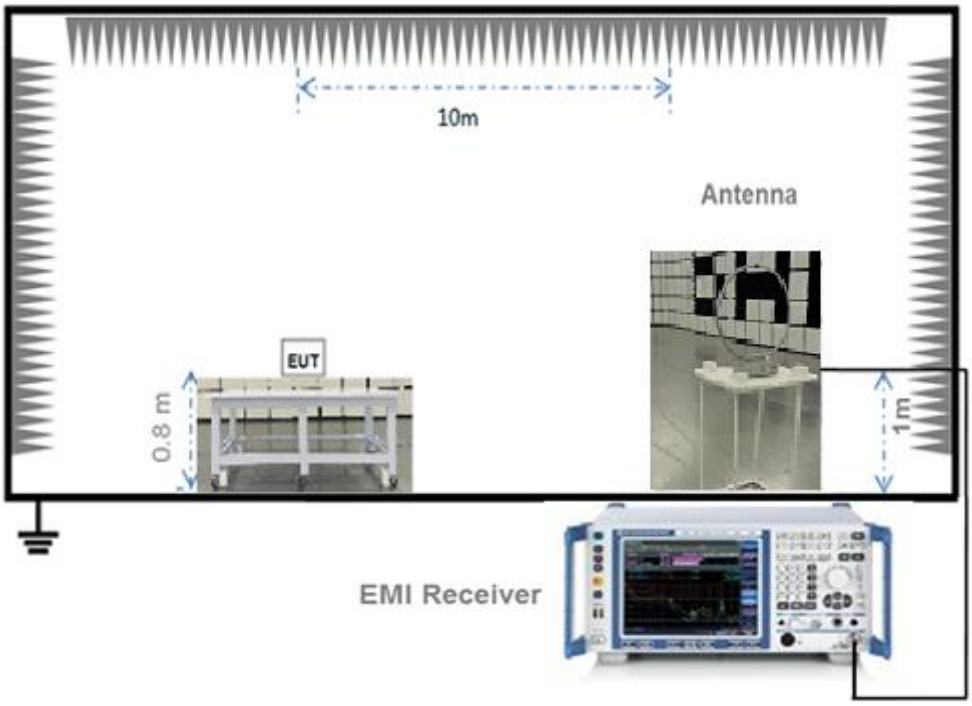
(Diagram 1)

4.5.2 For AC Power Supply Port Test



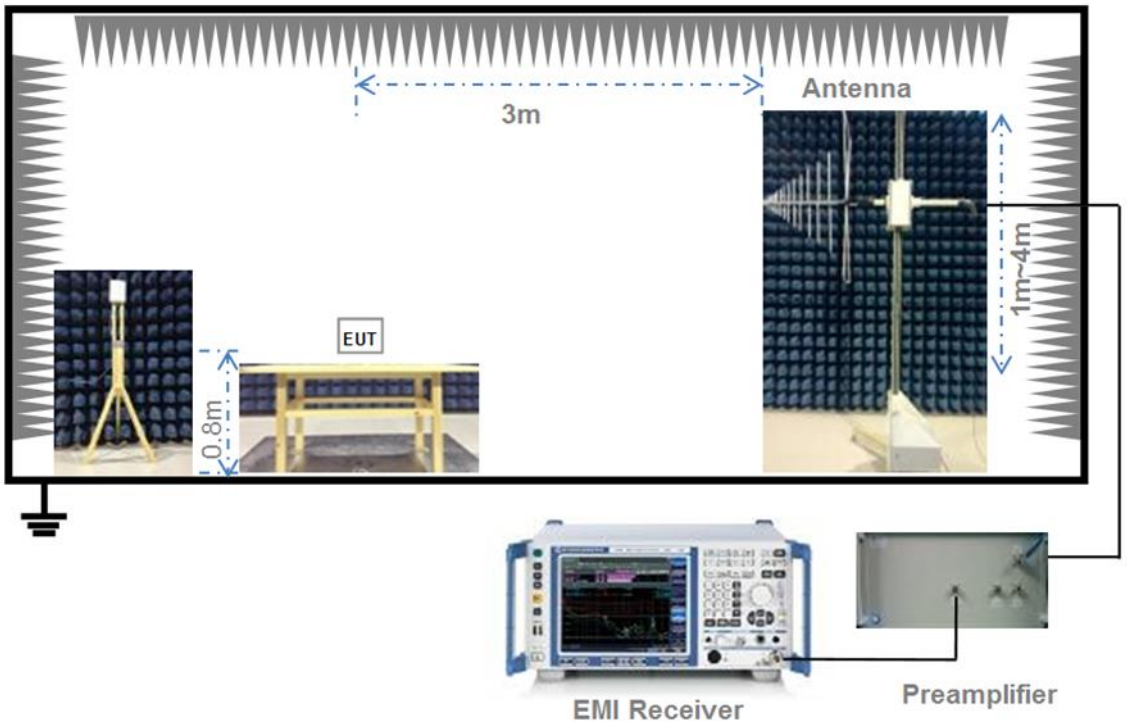
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



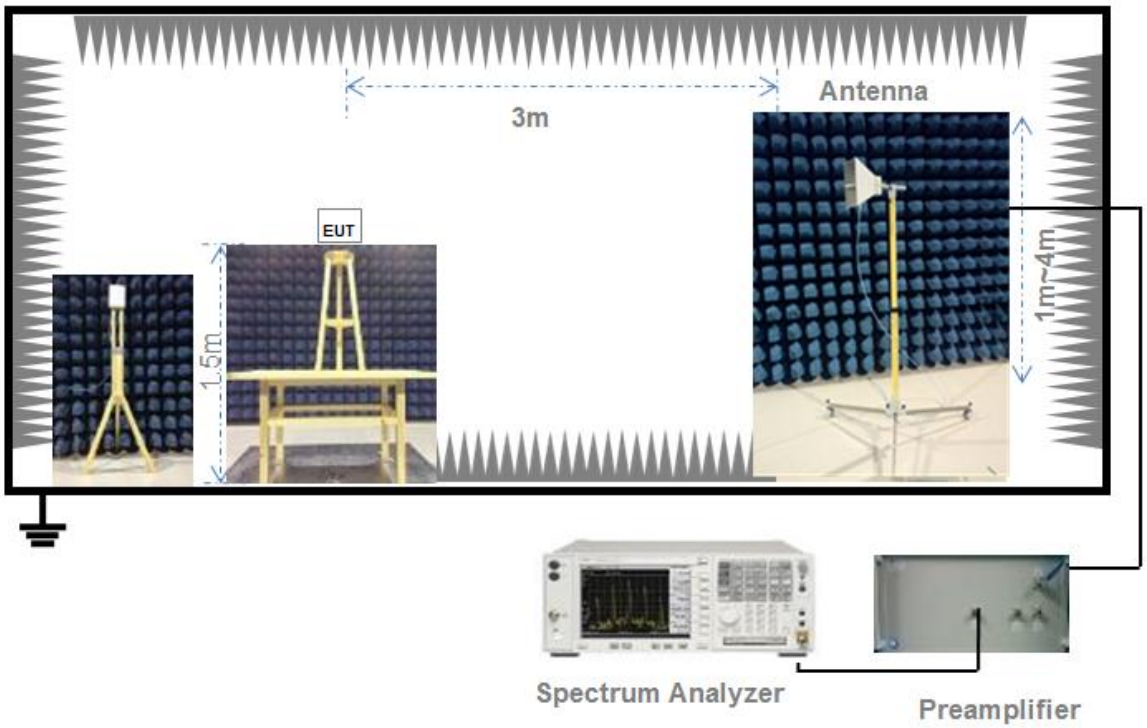
(Diagram 3)

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.	

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 ≥ OBW if possible; otherwise, set RBW to the largest available value.

Set VBW ≥ 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 ≤ 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)

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 ≥ 3*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 ≥ 3*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

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 ≥ 3*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

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 50μH/50Ω line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dBμV)	
	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)

Frequency (MHz)	Field Strength (μV/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.

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 = EIRP – 20log D + 104.8

where:

E = electric field strength in dBμV/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 ≥ 3 x 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 ≥ 3 x RBW.

e) Detector = RMS, if span/(# of points in sweep) ≤ (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 ≥ 1 GHz, 100 kHz for f < 1 GHz
VBW ≥ 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: 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.

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	1.39	1.44	96.66%	0.15
11n(HT20)/11ac(VHT20)	1.30	1.34	96.65%	0.15
11n(HT40)/11ac(VHT40)	0.65	0.69	93.34%	0.30
11ac(VHT80)	0.32	0.37	87.82%	0.56

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	16.86	48.53	250	Pass
11a	CH44	16.51	44.77	250	Pass
11a	CH48	16.60	45.71	250	Pass
11n(HT20)	CH36	14.81	30.27	250	Pass
11n(HT20)	CH44	14.45	27.86	250	Pass
11n(HT20)	CH48	14.54	28.44	250	Pass
11n(HT40)	CH38	14.59	28.77	250	Pass
11n(HT40)	CH46	14.84	30.48	250	Pass
11ac(VHT20)	CH36	14.89	30.83	250	Pass
11ac(VHT20)	CH44	14.48	28.05	250	Pass
11ac(VHT20)	CH48	14.48	28.05	250	Pass
11ac(VHT40)	CH38	14.32	27.04	250	Pass
11ac(VHT40)	CH46	14.65	29.17	250	Pass
11ac(VHT80)	CH42	12.39	17.34	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	16.46	44.26	1000	Pass
11a	CH157	16.79	47.75	1000	Pass
11a	CH165	16.56	45.29	1000	Pass
11n(HT20)	CH149	14.67	29.31	1000	Pass
11n(HT20)	CH157	14.45	27.86	1000	Pass
11n(HT20)	CH165	14.46	27.93	1000	Pass
11n(HT40)	CH151	14.30	26.92	1000	Pass
11n(HT40)	CH159	14.30	26.92	1000	Pass
11ac(VHT20)	CH149	14.55	28.51	1000	Pass
11ac(VHT20)	CH157	14.52	28.31	1000	Pass
11ac(VHT20)	CH165	14.54	28.44	1000	Pass
11ac(VHT40)	CH151	14.45	27.86	1000	Pass
11ac(VHT40)	CH159	14.36	27.29	1000	Pass
11ac(VHT80)	CH155	12.21	16.63	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2520129-604 Data Part 1.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	22.97	16.64
11a	CH44	22.92	16.62
11a	CH48	22.26	16.58
11n(HT20)	CH36	20.34	17.63
11n(HT20)	CH44	20.41	17.63
11n(HT20)	CH48	20.32	17.63
11n(HT40)	CH38	40.72	36.11
11n(HT40)	CH46	40.71	36.12
11ac(VHT20)	CH36	20.36	17.61
11ac(VHT20)	CH44	20.40	17.58
11ac(VHT20)	CH48	20.35	17.57
11ac(VHT40)	CH38	40.82	36.06
11ac(VHT40)	CH46	41.18	36.08
11ac(VHT80)	CH42	81.13	75.29

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	22.26	16.63
11a	CH157	23.06	16.65
11a	CH165	24.13	16.62
11n(HT20)	CH149	20.59	17.64
11n(HT20)	CH157	20.46	17.63
11n(HT20)	CH165	20.34	17.65
11n(HT40)	CH151	40.62	36.16
11n(HT40)	CH159	40.74	36.14
11ac(VHT20)	CH149	20.43	17.62
11ac(VHT20)	CH157	20.45	17.60
11ac(VHT20)	CH165	20.32	17.61
11ac(VHT40)	CH151	40.70	36.08
11ac(VHT40)	CH159	40.77	36.06
11ac(VHT80)	CH155	81.14	75.38

A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2520129-604 Data Part 2.pdf”.

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.40	500.00	Pass
11a	CH157	15.30	500.00	Pass
11a	CH165	15.30	500.00	Pass
11n(HT20)	CH149	15.40	500.00	Pass
11n(HT20)	CH157	15.40	500.00	Pass
11n(HT20)	CH165	15.40	500.00	Pass
11n(HT40)	CH151	35.30	500.00	Pass
11n(HT40)	CH159	35.30	500.00	Pass
11ac(VHT20)	CH149	15.40	500.00	Pass
11ac(VHT20)	CH157	15.30	500.00	Pass
11ac(VHT20)	CH165	15.40	500.00	Pass
11ac(VHT40)	CH151	35.40	500.00	Pass
11ac(VHT40)	CH159	35.30	500.00	Pass
11ac(VHT80)	CH155	75.40	500.00	Pass

A.4 Power Spectral Density

Note: Test plots please refer to the document “Annex No.: BL-SZ2520129-604 Data Part 3.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	6.40	11.00	Pass
11a	CH44	6.37	11.00	Pass
11a	CH48	6.41	11.00	Pass
11n(HT20)	CH36	4.17	11.00	Pass
11n(HT20)	CH44	3.75	11.00	Pass
11n(HT20)	CH48	3.94	11.00	Pass
11n(HT40)	CH38	1.23	11.00	Pass
11n(HT40)	CH46	1.37	11.00	Pass
11ac(VHT20)	CH36	4.31	11.00	Pass
11ac(VHT20)	CH44	3.87	11.00	Pass
11ac(VHT20)	CH48	4.08	11.00	Pass
11ac(VHT40)	CH38	0.96	11.00	Pass
11ac(VHT40)	CH46	1.11	11.00	Pass
11ac(VHT80)	CH42	-4.37	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	FCC Limit (dBm/500kHz)	Verdict
11a	CH149	3.47	30.00	Pass
11a	CH157	3.59	30.00	Pass
11a	CH165	3.02	30.00	Pass
11n(HT20)	CH149	1.40	30.00	Pass
11n(HT20)	CH157	1.10	30.00	Pass
11n(HT20)	CH165	1.28	30.00	Pass
11n(HT40)	CH151	-1.70	30.00	Pass
11n(HT40)	CH159	-1.78	30.00	Pass
11ac(VHT20)	CH149	1.37	30.00	Pass
11ac(VHT20)	CH157	1.14	30.00	Pass
11ac(VHT20)	CH165	1.21	30.00	Pass
11ac(VHT40)	CH151	-1.68	30.00	Pass
11ac(VHT40)	CH159	-1.58	30.00	Pass
11ac(VHT80)	CH155	-7.26	30.00	Pass

A.5 Conducted Emissions

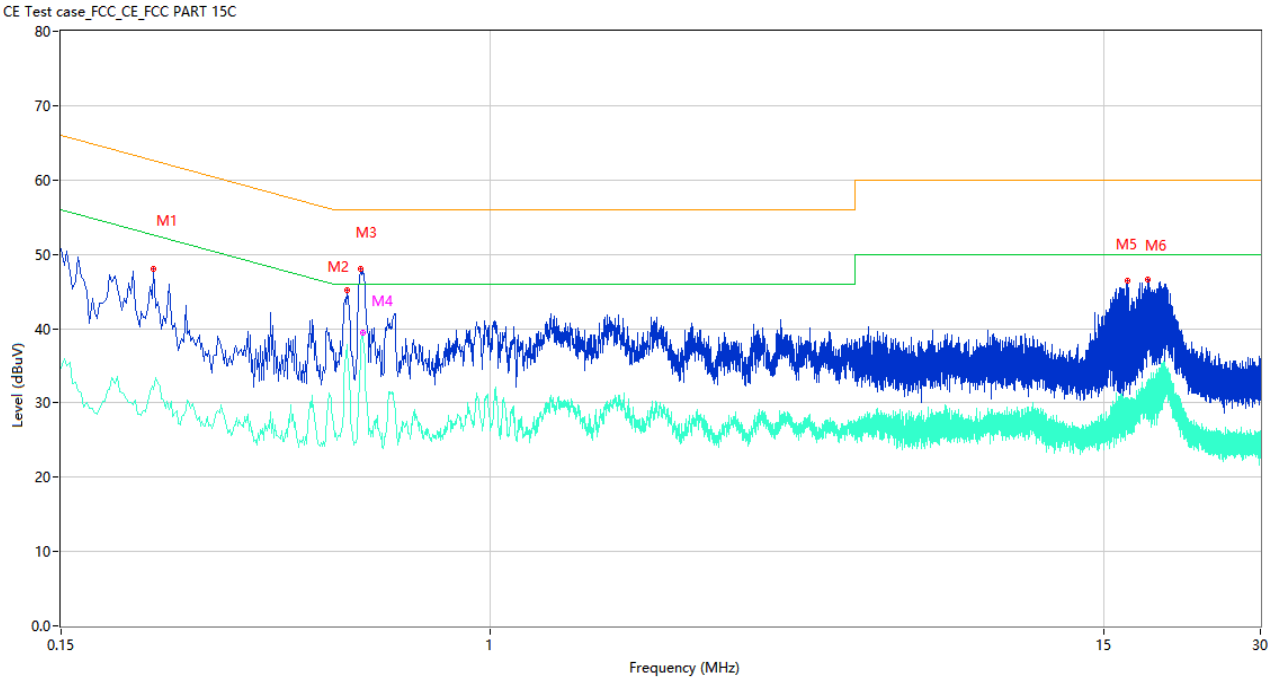
Note [1]: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Note [2]: 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.

Note [3]: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

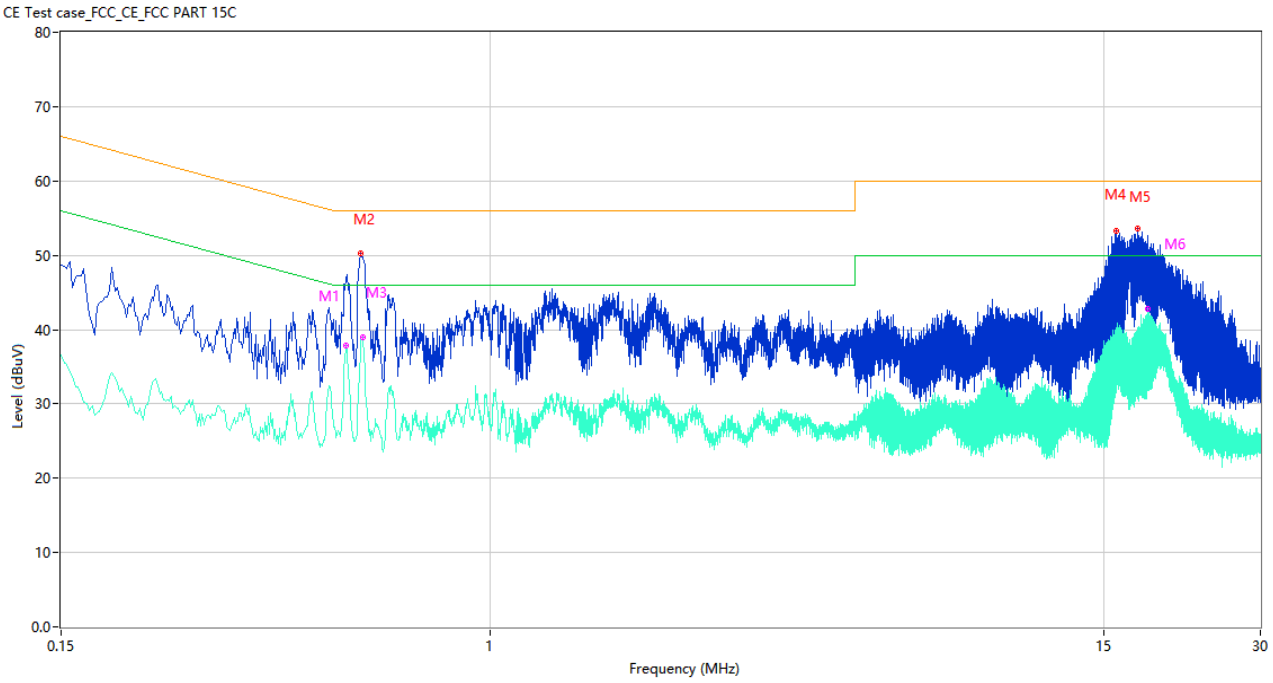
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.226	47.95	9.77	62.60	14.65	Peak	L	Pass
1**	0.226	31.88	9.77	52.60	20.72	AV	L	Pass
2	0.530	45.22	10.01	56.00	10.78	Peak	L	Pass
2**	0.530	37.78	10.01	46.00	8.22	AV	L	Pass
3	0.564	47.98	10.07	56.00	8.02	Peak	L	Pass
3**	0.564	38.24	10.07	46.00	7.76	AV	L	Pass
4	0.568	47.44	10.08	56.00	8.56	Peak	L	Pass
4**	0.568	39.38	10.08	46.00	6.62	AV	L	Pass
5	16.646	46.38	10.81	60.00	13.62	Peak	L	Pass
5**	16.646	26.33	10.81	50.00	23.67	AV	L	Pass
6	18.254	46.60	11.13	60.00	13.40	Peak	L	Pass
6**	18.254	31.41	11.13	50.00	18.59	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.528	47.07	10.01	56.00	8.93	Peak	N	Pass
1**	0.528	37.91	10.01	46.00	8.09	AV	N	Pass
2	0.562	50.29	10.06	56.00	5.71	Peak	N	Pass
2**	0.562	36.79	10.06	46.00	9.21	AV	N	Pass
3	0.568	49.72	10.08	56.00	6.28	Peak	N	Pass
3**	0.568	38.97	10.08	46.00	7.03	AV	N	Pass
4	15.898	53.23	10.60	60.00	6.77	Peak	N	Pass
4**	15.898	40.30	10.60	50.00	9.70	AV	N	Pass
5	17.472	53.58	10.83	60.00	6.42	Peak	N	Pass
5**	17.472	39.25	10.83	50.00	10.75	AV	N	Pass
6	18.240	50.99	11.13	60.00	9.01	Peak	N	Pass
6**	18.240	42.72	11.13	50.00	7.28	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.

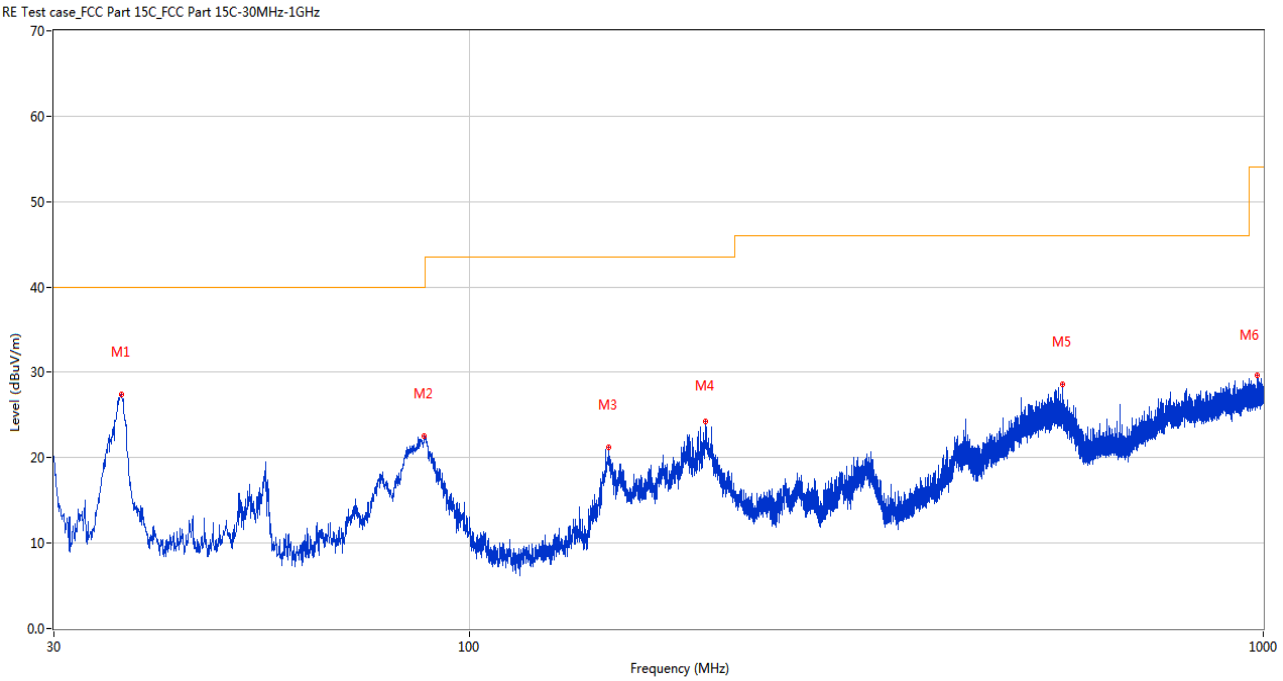
Note [2]: For the test data above 1 GHz, According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

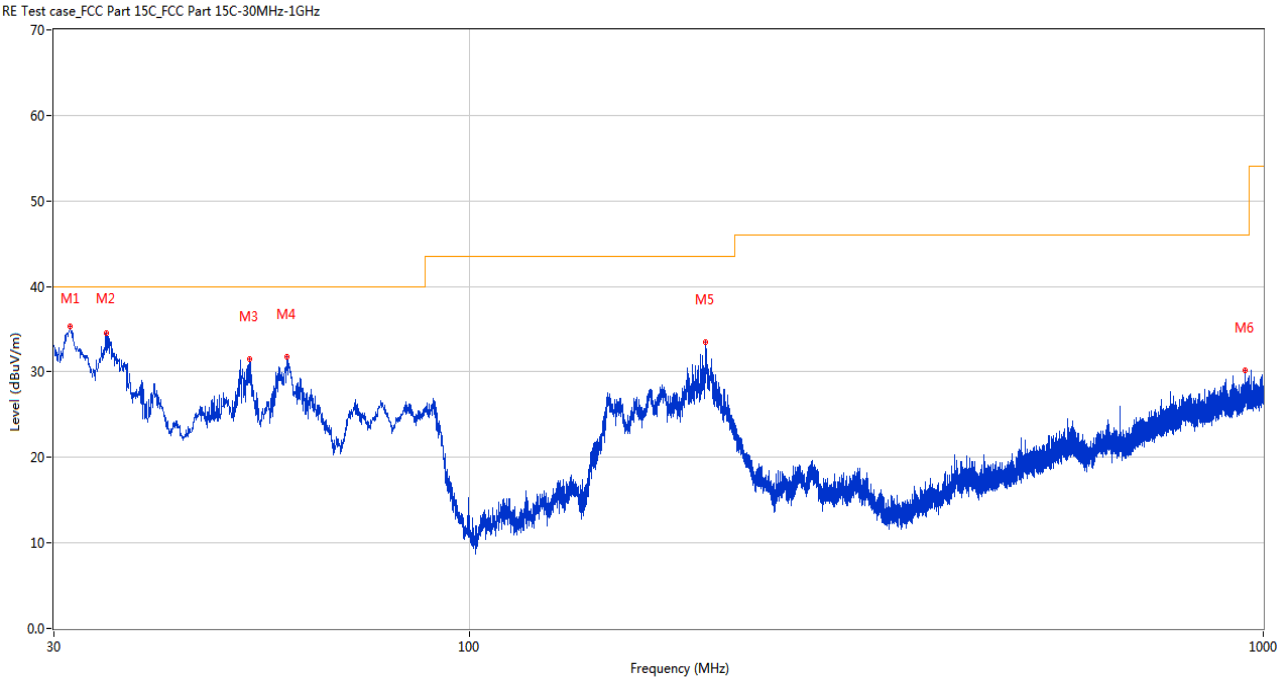
Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	36.450	27.46	-27.22	40.0	12.54	Peak	360.00	100	Horizontal	Pass
2	87.812	22.61	-30.53	40.0	17.39	Peak	0.00	200	Horizontal	Pass
3	149.698	21.18	-25.52	43.5	22.32	Peak	360.00	200	Horizontal	Pass
4	198.635	24.21	-28.63	43.5	19.29	Peak	120.00	100	Horizontal	Pass
5	558.505	28.62	-17.49	46.0	17.38	Peak	0.00	200	Horizontal	Pass
6	982.152	29.66	-9.81	54.0	24.34	Peak	213.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	31.455	35.32	-27.49	40.0	4.68	Peak	203.00	100	Vertical	Pass
2	34.898	34.51	-26.99	40.0	5.49	Peak	203.00	100	Vertical	Pass
3	52.843	31.46	-26.66	40.0	8.54	Peak	244.00	100	Vertical	Pass
4	59.003	31.82	-27.07	40.0	8.18	Peak	244.00	100	Vertical	Pass
5	198.683	33.46	-28.63	43.5	10.04	Peak	112.00	100	Vertical	Pass
6	949.754	30.20	-9.80	46.0	15.80	Peak	260.00	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	1508.648	40.26	74.0	33.74	Peak	41.00	100	Horizontal	Pass
1**	1508.648	29.64	54.0	24.36	AV	41.00	100	Horizontal	Pass
2	2350.432	43.57	74.0	30.43	Peak	12.00	100	Horizontal	Pass
2**	2350.432	38.77	54.0	15.23	AV	12.00	100	Horizontal	Pass
3	4205.005	47.75	74.0	26.25	Peak	279.00	200	Horizontal	Pass
3**	4205.005	38.77	54.0	15.23	AV	279.00	200	Horizontal	Pass
4	7434.438	51.42	74.0	22.58	Peak	42.00	100	Horizontal	Pass
4**	7434.438	45.38	54.0	8.62	AV	42.00	100	Horizontal	Pass
5	12520.326	53.65	74.0	20.35	Peak	187.00	100	Horizontal	Pass
5**	12520.326	47.07	54.0	6.93	AV	187.00	100	Horizontal	Pass
6	16144.695	53.47	74.0	20.53	Peak	324.00	400	Horizontal	Pass
6**	16144.695	45.27	54.0	8.73	AV	324.00	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	1569.520	34.43	74.0	39.57	Peak	271.00	300	Vertical	Pass
1**	1569.520	28.15	54.0	25.85	AV	271.00	300	Vertical	Pass
2	2344.569	46.28	74.0	27.72	Peak	163.00	100	Vertical	Pass
2**	2344.569	35.70	54.0	18.30	AV	163.00	100	Vertical	Pass
3	3918.416	42.95	74.0	31.05	Peak	21.00	200	Vertical	Pass
3**	3918.416	36.84	54.0	17.16	AV	21.00	200	Vertical	Pass
4	7680.371	51.01	74.0	22.99	Peak	298.00	300	Vertical	Pass
4**	7680.371	44.09	54.0	9.91	AV	298.00	300	Vertical	Pass
5	12529.375	58.46	74.0	15.54	Peak	188.00	300	Vertical	Pass
5**	12529.375	44.83	54.0	9.17	AV	188.00	300	Vertical	Pass
6	15384.417	50.31	74.0	23.69	Peak	117.00	100	Vertical	Pass
6**	15384.417	43.97	54.0	10.03	AV	117.00	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	1511.598	39.28	74.0	34.72	Peak	260.00	200	Horizontal	Pass
1**	1511.598	27.99	54.0	26.01	AV	260.00	200	Horizontal	Pass
2	2347.056	44.51	74.0	29.49	Peak	8.00	200	Horizontal	Pass
2**	2347.056	35.34	54.0	18.66	AV	8.00	200	Horizontal	Pass
3	4202.738	45.76	74.0	28.24	Peak	140.00	200	Horizontal	Pass
3**	4202.738	36.34	54.0	17.66	AV	140.00	200	Horizontal	Pass
4	7432.327	53.59	74.0	20.41	Peak	178.00	200	Horizontal	Pass
4**	7432.327	43.50	54.0	10.50	AV	178.00	200	Horizontal	Pass
5	12521.046	54.78	74.0	19.22	Peak	105.00	200	Horizontal	Pass
5**	12521.046	46.33	54.0	7.67	AV	105.00	200	Horizontal	Pass
6	16148.348	56.58	74.0	17.42	Peak	42.00	300	Horizontal	Pass
6**	16148.348	42.00	54.0	12.00	AV	42.00	300	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	1572.152	39.19	74.0	34.81	Peak	152.00	400	Vertical	Pass
1**	1572.152	28.64	54.0	25.36	AV	152.00	400	Vertical	Pass
2	2349.710	43.06	74.0	30.94	Peak	122.00	400	Vertical	Pass
2**	2349.710	35.83	54.0	18.17	AV	122.00	400	Vertical	Pass
3	3916.465	45.10	74.0	28.90	Peak	59.00	200	Vertical	Pass
3**	3916.465	33.67	54.0	20.33	AV	59.00	200	Vertical	Pass
4	7682.502	51.40	74.0	22.60	Peak	67.00	300	Vertical	Pass
4**	7682.502	41.60	54.0	12.40	AV	67.00	300	Vertical	Pass
5	12528.789	56.96	74.0	17.04	Peak	97.00	400	Vertical	Pass
5**	12528.789	41.92	54.0	12.08	AV	97.00	400	Vertical	Pass
6	15383.289	51.06	74.0	22.94	Peak	88.00	200	Vertical	Pass
6**	15383.289	43.28	54.0	10.72	AV	88.00	200	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	1515.560	41.99	74.0	32.01	Peak	206.00	300	Horizontal	Pass
1**	1515.560	29.25	54.0	24.75	AV	206.00	300	Horizontal	Pass
2	2351.400	46.98	74.0	27.02	Peak	223.00	100	Horizontal	Pass
2**	2351.400	38.60	54.0	15.40	AV	223.00	100	Horizontal	Pass
3	4207.855	46.21	74.0	27.79	Peak	85.00	200	Horizontal	Pass
3**	4207.855	39.03	54.0	14.97	AV	85.00	200	Horizontal	Pass
4	7433.842	53.87	74.0	20.13	Peak	229.00	400	Horizontal	Pass
4**	7433.842	41.48	54.0	12.52	AV	229.00	400	Horizontal	Pass
5	12520.747	58.48	74.0	15.52	Peak	248.00	400	Horizontal	Pass
5**	12520.747	47.45	54.0	6.55	AV	248.00	400	Horizontal	Pass
6	16149.372	55.74	74.0	18.26	Peak	36.00	200	Horizontal	Pass
6**	16149.372	43.89	54.0	10.11	AV	36.00	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	1573.217	35.69	74.0	38.31	Peak	140.00	300	Vertical	Pass
1**	1573.217	26.00	54.0	28.00	AV	140.00	300	Vertical	Pass
2	2349.906	45.47	74.0	28.53	Peak	215.00	200	Vertical	Pass
2**	2349.906	33.43	54.0	20.57	AV	215.00	200	Vertical	Pass
3	3917.274	46.45	74.0	27.55	Peak	177.00	200	Vertical	Pass
3**	3917.274	34.74	54.0	19.26	AV	177.00	200	Vertical	Pass
4	7680.244	52.66	74.0	21.34	Peak	245.00	100	Vertical	Pass
4**	7680.244	41.97	54.0	12.03	AV	245.00	100	Vertical	Pass
5	12525.902	52.80	74.0	21.20	Peak	281.00	300	Vertical	Pass
5**	12525.902	41.31	54.0	12.69	AV	281.00	300	Vertical	Pass
6	15382.838	51.55	74.0	22.45	Peak	219.00	200	Vertical	Pass
6**	15382.838	43.33	54.0	10.67	AV	219.00	200	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	1513.934	41.98	74.0	32.02	Peak	65.00	100	Horizontal	Pass
1**	1513.934	26.76	54.0	27.24	AV	65.00	100	Horizontal	Pass
2	2347.871	47.74	74.0	26.26	Peak	36.00	100	Horizontal	Pass
2**	2347.871	36.61	54.0	17.39	AV	36.00	100	Horizontal	Pass
3	4202.804	48.21	74.0	25.79	Peak	108.00	200	Horizontal	Pass
3**	4202.804	37.00	54.0	17.00	AV	108.00	200	Horizontal	Pass
4	7431.438	54.98	74.0	19.02	Peak	196.00	400	Horizontal	Pass
4**	7431.438	45.50	54.0	8.50	AV	196.00	400	Horizontal	Pass
5	12518.021	56.78	74.0	17.22	Peak	174.00	100	Horizontal	Pass
5**	12518.021	47.81	54.0	6.19	AV	174.00	100	Horizontal	Pass
6	16147.537	52.30	74.0	21.70	Peak	208.00	100	Horizontal	Pass
6**	16147.537	45.64	54.0	8.36	AV	208.00	100	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	1571.266	35.51	74.0	38.49	Peak	118.00	100	Vertical	Pass
1**	1571.266	25.16	54.0	28.84	AV	118.00	100	Vertical	Pass
2	2347.088	43.10	74.0	30.90	Peak	105.00	200	Vertical	Pass
2**	2347.088	31.11	54.0	22.89	AV	105.00	200	Vertical	Pass
3	3914.993	44.61	74.0	29.39	Peak	228.00	200	Vertical	Pass
3**	3914.993	36.83	54.0	17.17	AV	228.00	200	Vertical	Pass
4	7680.096	53.49	74.0	20.51	Peak	270.00	100	Vertical	Pass
4**	7680.096	42.95	54.0	11.05	AV	270.00	100	Vertical	Pass
5	12527.487	54.65	74.0	19.35	Peak	102.00	400	Vertical	Pass
5**	12527.487	45.24	54.0	8.76	AV	102.00	400	Vertical	Pass
6	15385.167	51.84	74.0	22.16	Peak	276.00	400	Vertical	Pass
6**	15385.167	45.87	54.0	8.13	AV	276.00	400	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	1513.370	38.30	74.0	35.70	Peak	252.00	300	Horizontal	Pass
1**	1513.370	28.90	54.0	25.10	AV	252.00	300	Horizontal	Pass
2	2348.141	45.52	74.0	28.48	Peak	171.00	100	Horizontal	Pass
2**	2348.141	38.83	54.0	15.17	AV	171.00	100	Horizontal	Pass
3	4205.753	49.07	74.0	24.93	Peak	224.00	200	Horizontal	Pass
3**	4205.753	38.94	54.0	15.06	AV	224.00	200	Horizontal	Pass
4	7435.756	54.06	74.0	19.94	Peak	104.00	300	Horizontal	Pass
4**	7435.756	43.57	54.0	10.43	AV	104.00	300	Horizontal	Pass
5	12521.802	54.87	74.0	19.13	Peak	326.00	300	Horizontal	Pass
5**	12521.802	45.74	54.0	8.26	AV	326.00	300	Horizontal	Pass
6	16150.426	53.53	74.0	20.47	Peak	241.00	200	Horizontal	Pass
6**	16150.426	42.85	54.0	11.15	AV	241.00	200	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	1572.803	36.32	74.0	37.68	Peak	156.00	100	Vertical	Pass
1**	1572.803	27.88	54.0	26.12	AV	156.00	100	Vertical	Pass
2	2350.824	47.33	74.0	26.67	Peak	33.00	300	Vertical	Pass
2**	2350.824	35.32	54.0	18.68	AV	33.00	300	Vertical	Pass
3	3914.740	41.80	74.0	32.20	Peak	31.00	200	Vertical	Pass
3**	3914.740	36.07	54.0	17.93	AV	31.00	200	Vertical	Pass
4	7680.960	53.40	74.0	20.60	Peak	47.00	300	Vertical	Pass
4**	7680.960	42.46	54.0	11.54	AV	47.00	300	Vertical	Pass
5	12529.466	56.58	74.0	17.42	Peak	152.00	300	Vertical	Pass
5**	12529.466	45.52	54.0	8.48	AV	152.00	300	Vertical	Pass
6	15381.384	53.05	74.0	20.95	Peak	88.00	400	Vertical	Pass
6**	15381.384	42.36	54.0	11.64	AV	88.00	400	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	1508.905	40.41	74.0	33.59	Peak	265.00	200	Horizontal	Pass
1**	1508.905	32.13	54.0	21.87	AV	265.00	200	Horizontal	Pass
2	2345.520	45.35	74.0	28.65	Peak	328.00	100	Horizontal	Pass
2**	2345.520	37.77	54.0	16.23	AV	328.00	100	Horizontal	Pass
3	4205.407	49.98	74.0	24.02	Peak	74.00	200	Horizontal	Pass
3**	4205.407	36.11	54.0	17.89	AV	74.00	200	Horizontal	Pass
4	7434.262	55.30	74.0	18.70	Peak	277.00	200	Horizontal	Pass
4**	7434.262	43.77	54.0	10.23	AV	277.00	200	Horizontal	Pass
5	12521.168	56.39	74.0	17.61	Peak	15.00	100	Horizontal	Pass
5**	12521.168	47.65	54.0	6.35	AV	15.00	100	Horizontal	Pass
6	16144.925	55.19	74.0	18.81	Peak	306.00	100	Horizontal	Pass
6**	16144.925	42.02	54.0	11.98	AV	306.00	100	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	1568.263	35.99	74.0	38.01	Peak	102.00	400	Vertical	Pass
1**	1568.263	29.32	54.0	24.68	AV	102.00	400	Vertical	Pass
2	2347.082	42.38	74.0	31.62	Peak	174.00	100	Vertical	Pass
2**	2347.082	31.13	54.0	22.87	AV	174.00	100	Vertical	Pass
3	3915.447	43.57	74.0	30.43	Peak	90.00	200	Vertical	Pass
3**	3915.447	35.52	54.0	18.48	AV	90.00	200	Vertical	Pass
4	7676.693	53.74	74.0	20.26	Peak	143.00	200	Vertical	Pass
4**	7676.693	45.17	54.0	8.83	AV	143.00	200	Vertical	Pass
5	12525.833	56.38	74.0	17.62	Peak	313.00	100	Vertical	Pass
5**	12525.833	40.05	54.0	13.95	AV	313.00	100	Vertical	Pass
6	15380.117	52.75	74.0	21.25	Peak	139.00	200	Vertical	Pass
6**	15380.117	43.22	54.0	10.78	AV	139.00	200	Vertical	Pass

11n40, 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	1512.641	40.50	74.0	33.50	Peak	272.00	200	Horizontal	Pass
1**	1512.641	27.76	54.0	26.24	AV	272.00	200	Horizontal	Pass
2	2351.738	47.62	74.0	26.38	Peak	92.00	400	Horizontal	Pass
2**	2351.738	39.83	54.0	14.17	AV	92.00	400	Horizontal	Pass
3	4208.408	44.93	74.0	29.07	Peak	115.00	200	Horizontal	Pass
3**	4208.408	37.49	54.0	16.51	AV	115.00	200	Horizontal	Pass
4	7431.274	53.97	74.0	20.03	Peak	12.00	300	Horizontal	Pass
4**	7431.274	40.68	54.0	13.32	AV	12.00	300	Horizontal	Pass
5	12518.147	55.13	74.0	18.87	Peak	6.00	200	Horizontal	Pass
5**	12518.147	46.84	54.0	7.16	AV	6.00	200	Horizontal	Pass
6	16149.286	56.85	74.0	17.15	Peak	66.00	100	Horizontal	Pass
6**	16149.286	44.40	54.0	9.60	AV	66.00	100	Horizontal	Pass

11n40, 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	1567.706	34.94	74.0	39.06	Peak	308.00	400	Vertical	Pass
1**	1567.706	26.56	54.0	27.44	AV	308.00	400	Vertical	Pass
2	2346.972	45.46	74.0	28.54	Peak	285.00	400	Vertical	Pass
2**	2346.972	33.24	54.0	20.76	AV	285.00	400	Vertical	Pass
3	3920.730	45.56	74.0	28.44	Peak	26.00	200	Vertical	Pass
3**	3920.730	37.66	54.0	16.34	AV	26.00	200	Vertical	Pass
4	7677.887	50.85	74.0	23.15	Peak	90.00	300	Vertical	Pass
4**	7677.887	44.33	54.0	9.67	AV	90.00	300	Vertical	Pass
5	12528.619	56.07	74.0	17.93	Peak	132.00	100	Vertical	Pass
5**	12528.619	45.52	54.0	8.48	AV	132.00	100	Vertical	Pass
6	15380.746	50.77	74.0	23.23	Peak	253.00	300	Vertical	Pass
6**	15380.746	42.92	54.0	11.08	AV	253.00	300	Vertical	Pass

11n40, 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	1510.730	39.39	74.0	34.61	Peak	179.00	400	Horizontal	Pass
1**	1510.730	30.34	54.0	23.66	AV	179.00	400	Horizontal	Pass
2	2347.829	44.27	74.0	29.73	Peak	20.00	300	Horizontal	Pass
2**	2347.829	35.53	54.0	18.47	AV	20.00	300	Horizontal	Pass
3	4204.199	47.90	74.0	26.10	Peak	145.00	200	Horizontal	Pass
3**	4204.199	37.33	54.0	16.67	AV	145.00	200	Horizontal	Pass
4	7434.591	53.08	74.0	20.92	Peak	236.00	200	Horizontal	Pass
4**	7434.591	45.33	54.0	8.67	AV	236.00	200	Horizontal	Pass
5	12521.805	53.55	74.0	20.45	Peak	70.00	400	Horizontal	Pass
5**	12521.805	47.70	54.0	6.30	AV	70.00	400	Horizontal	Pass
6	16148.003	54.65	74.0	19.35	Peak	360.00	200	Horizontal	Pass
6**	16148.003	44.92	54.0	9.08	AV	360.00	200	Horizontal	Pass

11n40, 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	1571.670	38.60	74.0	35.40	Peak	336.00	100	Vertical	Pass
1**	1571.670	27.40	54.0	26.60	AV	336.00	100	Vertical	Pass
2	2348.591	47.22	74.0	26.78	Peak	246.00	400	Vertical	Pass
2**	2348.591	35.32	54.0	18.68	AV	246.00	400	Vertical	Pass
3	3914.717	45.10	74.0	28.90	Peak	182.00	200	Vertical	Pass
3**	3914.717	37.98	54.0	16.02	AV	182.00	200	Vertical	Pass
4	7680.830	50.12	74.0	23.88	Peak	274.00	300	Vertical	Pass
4**	7680.830	46.00	54.0	8.00	AV	274.00	300	Vertical	Pass
5	12530.790	58.65	74.0	15.35	Peak	342.00	200	Vertical	Pass
5**	12530.790	43.51	54.0	10.49	AV	342.00	200	Vertical	Pass
6	15380.603	53.16	74.0	20.84	Peak	206.00	300	Vertical	Pass
6**	15380.603	45.50	54.0	8.50	AV	206.00	300	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	1511.369	40.60	74.0	33.40	Peak	62.00	100	Horizontal	Pass
1**	1511.369	30.43	54.0	23.57	AV	62.00	100	Horizontal	Pass
2	2350.408	42.10	74.0	31.90	Peak	340.00	300	Horizontal	Pass
2**	2350.408	40.46	54.0	13.54	AV	340.00	300	Horizontal	Pass
3	4207.729	48.07	74.0	25.93	Peak	83.00	200	Horizontal	Pass
3**	4207.729	39.54	54.0	14.46	AV	83.00	200	Horizontal	Pass
4	7431.549	53.71	74.0	20.29	Peak	335.00	300	Horizontal	Pass
4**	7431.549	44.89	54.0	9.11	AV	335.00	300	Horizontal	Pass
5	12515.427	58.38	74.0	15.62	Peak	218.00	200	Horizontal	Pass
5**	12515.427	49.67	54.0	4.33	AV	218.00	200	Horizontal	Pass
6	16150.807	55.14	74.0	18.86	Peak	211.00	200	Horizontal	Pass
6**	16150.807	41.33	54.0	12.67	AV	211.00	200	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	1568.626	37.35	74.0	36.65	Peak	351.00	400	Vertical	Pass
1**	1568.626	23.94	54.0	30.06	AV	351.00	400	Vertical	Pass
2	2347.289	42.66	74.0	31.34	Peak	227.00	400	Vertical	Pass
2**	2347.289	35.41	54.0	18.59	AV	227.00	400	Vertical	Pass
3	3921.043	43.84	74.0	30.16	Peak	38.00	200	Vertical	Pass
3**	3921.043	33.34	54.0	20.66	AV	38.00	200	Vertical	Pass
4	7681.047	50.27	74.0	23.73	Peak	62.00	300	Vertical	Pass
4**	7681.047	46.50	54.0	7.50	AV	62.00	300	Vertical	Pass
5	12532.991	55.74	74.0	18.26	Peak	351.00	200	Vertical	Pass
5**	12532.991	41.14	54.0	12.86	AV	351.00	200	Vertical	Pass
6	15379.090	51.53	74.0	22.47	Peak	199.00	300	Vertical	Pass
6**	15379.090	44.18	54.0	9.82	AV	199.00	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	1510.158	42.10	74.0	31.90	Peak	38.00	400	Horizontal	Pass
1**	1510.158	28.84	54.0	25.16	AV	38.00	400	Horizontal	Pass
2	2348.940	45.76	74.0	28.24	Peak	113.00	400	Horizontal	Pass
2**	2348.940	34.64	54.0	19.36	AV	113.00	400	Horizontal	Pass
3	4204.822	45.24	74.0	28.76	Peak	186.00	200	Horizontal	Pass
3**	4204.822	36.99	54.0	17.01	AV	186.00	200	Horizontal	Pass
4	7435.941	52.66	74.0	21.34	Peak	168.00	400	Horizontal	Pass
4**	7435.941	44.27	54.0	9.73	AV	168.00	400	Horizontal	Pass
5	12515.613	53.35	74.0	20.65	Peak	86.00	400	Horizontal	Pass
5**	12515.613	47.95	54.0	6.05	AV	86.00	400	Horizontal	Pass
6	16148.076	54.02	74.0	19.98	Peak	244.00	100	Horizontal	Pass
6**	16148.076	46.03	54.0	7.97	AV	244.00	100	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	1569.401	36.94	74.0	37.06	Peak	31.00	300	Vertical	Pass
1**	1569.401	26.62	54.0	27.38	AV	31.00	300	Vertical	Pass
2	2348.474	47.69	74.0	26.31	Peak	174.00	200	Vertical	Pass
2**	2348.474	36.30	54.0	17.70	AV	174.00	200	Vertical	Pass
3	3918.043	42.81	74.0	31.19	Peak	138.00	200	Vertical	Pass
3**	3918.043	35.50	54.0	18.50	AV	138.00	200	Vertical	Pass
4	7683.836	52.44	74.0	21.56	Peak	151.00	300	Vertical	Pass
4**	7683.836	41.80	54.0	12.20	AV	151.00	300	Vertical	Pass
5	12532.816	57.92	74.0	16.08	Peak	80.00	400	Vertical	Pass
5**	12532.816	42.83	54.0	11.17	AV	80.00	400	Vertical	Pass
6	15385.600	53.91	74.0	20.09	Peak	190.00	400	Vertical	Pass
6**	15385.600	43.95	54.0	10.05	AV	190.00	400	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	1509.073	38.50	74.0	35.50	Peak	183.00	300	Horizontal	Pass
1**	1509.073	28.60	54.0	25.40	AV	183.00	300	Horizontal	Pass
2	2350.301	42.97	74.0	31.03	Peak	245.00	400	Horizontal	Pass
2**	2350.301	34.98	54.0	19.02	AV	245.00	400	Horizontal	Pass
3	4204.745	47.51	74.0	26.49	Peak	135.00	200	Horizontal	Pass
3**	4204.745	36.33	54.0	17.67	AV	135.00	200	Horizontal	Pass
4	7438.214	52.57	74.0	21.43	Peak	357.00	300	Horizontal	Pass
4**	7438.214	44.61	54.0	9.39	AV	357.00	300	Horizontal	Pass
5	12520.949	58.22	74.0	15.78	Peak	52.00	200	Horizontal	Pass
5**	12520.949	45.88	54.0	8.12	AV	52.00	200	Horizontal	Pass
6	16146.104	54.87	74.0	19.13	Peak	231.00	300	Horizontal	Pass
6**	16146.104	44.82	54.0	9.18	AV	231.00	300	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	1570.061	39.24	74.0	34.76	Peak	64.00	400	Vertical	Pass
1**	1570.061	28.55	54.0	25.45	AV	64.00	400	Vertical	Pass
2	2346.279	45.88	74.0	28.12	Peak	86.00	400	Vertical	Pass
2**	2346.279	30.51	54.0	23.49	AV	86.00	400	Vertical	Pass
3	3917.569	41.89	74.0	32.11	Peak	49.00	200	Vertical	Pass
3**	3917.569	38.79	54.0	15.21	AV	49.00	200	Vertical	Pass
4	7679.478	51.70	74.0	22.30	Peak	20.00	300	Vertical	Pass
4**	7679.478	41.99	54.0	12.01	AV	20.00	300	Vertical	Pass
5	12528.226	55.91	74.0	18.09	Peak	298.00	200	Vertical	Pass
5**	12528.226	39.81	54.0	14.19	AV	298.00	200	Vertical	Pass
6	15384.539	55.71	74.0	18.29	Peak	137.00	100	Vertical	Pass
6**	15384.539	46.58	54.0	7.42	AV	137.00	100	Vertical	Pass

11ac40, 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	1514.934	36.89	74.0	37.11	Peak	302.00	200	Horizontal	Pass
1**	1514.934	29.87	54.0	24.13	AV	302.00	200	Horizontal	Pass
2	2345.151	42.12	74.0	31.88	Peak	192.00	300	Horizontal	Pass
2**	2345.151	38.39	54.0	15.61	AV	192.00	300	Horizontal	Pass
3	4205.284	48.81	74.0	25.19	Peak	159.00	200	Horizontal	Pass
3**	4205.284	37.88	54.0	16.12	AV	159.00	200	Horizontal	Pass
4	7438.168	54.71	74.0	19.29	Peak	232.00	400	Horizontal	Pass
4**	7438.168	45.80	54.0	8.20	AV	232.00	400	Horizontal	Pass
5	12519.988	57.70	74.0	16.30	Peak	85.00	400	Horizontal	Pass
5**	12519.988	46.86	54.0	7.14	AV	85.00	400	Horizontal	Pass
6	16145.821	55.05	74.0	18.95	Peak	352.00	100	Horizontal	Pass
6**	16145.821	41.54	54.0	12.46	AV	352.00	100	Horizontal	Pass

11ac40, 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	1572.745	38.77	74.0	35.23	Peak	24.00	200	Vertical	Pass
1**	1572.745	29.46	54.0	24.54	AV	24.00	200	Vertical	Pass
2	2347.230	43.30	74.0	30.70	Peak	35.00	200	Vertical	Pass
2**	2347.230	32.03	54.0	21.97	AV	35.00	200	Vertical	Pass
3	3920.611	42.36	74.0	31.64	Peak	321.00	200	Vertical	Pass
3**	3920.611	36.75	54.0	17.25	AV	321.00	200	Vertical	Pass
4	7678.999	51.41	74.0	22.59	Peak	99.00	200	Vertical	Pass
4**	7678.999	42.25	54.0	11.75	AV	99.00	200	Vertical	Pass
5	12530.092	56.09	74.0	17.91	Peak	249.00	400	Vertical	Pass
5**	12530.092	44.24	54.0	9.76	AV	249.00	400	Vertical	Pass
6	15379.588	52.02	74.0	21.98	Peak	272.00	400	Vertical	Pass
6**	15379.588	42.56	54.0	11.44	AV	272.00	400	Vertical	Pass

11ac40, 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	1508.244	39.56	74.0	34.44	Peak	206.00	200	Horizontal	Pass
1**	1508.244	28.88	54.0	25.12	AV	206.00	200	Horizontal	Pass
2	2346.377	45.52	74.0	28.48	Peak	97.00	100	Horizontal	Pass
2**	2346.377	35.12	54.0	18.88	AV	97.00	100	Horizontal	Pass
3	4201.655	46.78	74.0	27.22	Peak	152.00	200	Horizontal	Pass
3**	4201.655	38.16	54.0	15.84	AV	152.00	200	Horizontal	Pass
4	7434.824	53.69	74.0	20.31	Peak	211.00	400	Horizontal	Pass
4**	7434.824	42.41	54.0	11.59	AV	211.00	400	Horizontal	Pass
5	12515.439	56.97	74.0	17.03	Peak	231.00	400	Horizontal	Pass
5**	12515.439	48.10	54.0	5.90	AV	231.00	400	Horizontal	Pass
6	16147.911	55.44	74.0	18.56	Peak	327.00	300	Horizontal	Pass
6**	16147.911	43.50	54.0	10.50	AV	327.00	300	Horizontal	Pass

11ac40, 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	1574.479	36.95	74.0	37.05	Peak	173.00	400	Vertical	Pass
1**	1574.479	24.31	54.0	29.69	AV	173.00	400	Vertical	Pass
2	2343.307	42.81	74.0	31.19	Peak	58.00	100	Vertical	Pass
2**	2343.307	34.62	54.0	19.38	AV	58.00	100	Vertical	Pass
3	3917.760	45.88	74.0	28.12	Peak	102.00	200	Vertical	Pass
3**	3917.760	35.21	54.0	18.79	AV	102.00	200	Vertical	Pass
4	7677.957	54.31	74.0	19.69	Peak	36.00	400	Vertical	Pass
4**	7677.957	43.81	54.0	10.19	AV	36.00	400	Vertical	Pass
5	12533.060	52.90	74.0	21.10	Peak	244.00	400	Vertical	Pass
5**	12533.060	44.33	54.0	9.67	AV	244.00	400	Vertical	Pass
6	15381.164	52.34	74.0	21.66	Peak	311.00	200	Vertical	Pass
6**	15381.164	47.15	54.0	6.85	AV	311.00	200	Vertical	Pass

11ac80, 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	1510.825	37.28	74.0	36.72	Peak	273.00	300	Horizontal	Pass
1**	1510.825	32.57	54.0	21.43	AV	273.00	300	Horizontal	Pass
2	2351.338	42.89	74.0	31.11	Peak	122.00	400	Horizontal	Pass
2**	2351.338	39.33	54.0	14.67	AV	122.00	400	Horizontal	Pass
3	4208.231	45.26	74.0	28.74	Peak	228.00	200	Horizontal	Pass
3**	4208.231	40.22	54.0	13.78	AV	228.00	200	Horizontal	Pass
4	7431.795	53.38	74.0	20.62	Peak	130.00	200	Horizontal	Pass
4**	7431.795	41.07	54.0	12.93	AV	130.00	200	Horizontal	Pass
5	12519.061	52.68	74.0	21.32	Peak	100.00	200	Horizontal	Pass
5**	12519.061	44.32	54.0	9.68	AV	100.00	200	Horizontal	Pass
6	16149.389	56.90	74.0	17.10	Peak	133.00	200	Horizontal	Pass
6**	16149.389	42.43	54.0	11.57	AV	133.00	200	Horizontal	Pass

11ac80, 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	1568.046	38.66	74.0	35.34	Peak	215.00	300	Vertical	Pass
1**	1568.046	27.62	54.0	26.38	AV	215.00	300	Vertical	Pass
2	2343.672	43.01	74.0	30.99	Peak	352.00	100	Vertical	Pass
2**	2343.672	34.59	54.0	19.41	AV	352.00	100	Vertical	Pass
3	3914.184	44.73	74.0	29.27	Peak	9.00	200	Vertical	Pass
3**	3914.184	38.85	54.0	15.15	AV	9.00	200	Vertical	Pass
4	7676.669	50.02	74.0	23.98	Peak	296.00	400	Vertical	Pass
4**	7676.669	43.96	54.0	10.04	AV	296.00	400	Vertical	Pass
5	12530.563	55.64	74.0	18.36	Peak	173.00	400	Vertical	Pass
5**	12530.563	41.08	54.0	12.92	AV	173.00	400	Vertical	Pass
6	15384.551	50.59	74.0	23.41	Peak	243.00	400	Vertical	Pass
6**	15384.551	42.52	54.0	11.48	AV	243.00	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	1523.921	37.23	74.0	36.77	Peak	169.00	200	Horizontal	Pass
1**	1523.921	27.71	54.0	26.29	AV	169.00	200	Horizontal	Pass
2	4019.489	45.86	74.0	28.14	Peak	290.00	400	Horizontal	Pass
2**	4019.489	34.61	54.0	19.39	AV	290.00	400	Horizontal	Pass
3	7596.994	53.51	74.0	20.49	Peak	45.00	200	Horizontal	Pass
3**	7596.994	45.22	54.0	8.78	AV	45.00	200	Horizontal	Pass
4	12456.253	55.88	74.0	18.12	Peak	278.00	400	Horizontal	Pass
4**	12456.253	42.34	54.0	11.66	AV	278.00	400	Horizontal	Pass
5	16092.520	54.33	74.0	19.67	Peak	166.00	200	Horizontal	Pass
5**	16092.520	42.46	54.0	11.54	AV	166.00	200	Horizontal	Pass
6	17422.386	56.28	74.0	17.72	Peak	101.00	100	Horizontal	Pass
6**	17422.386	50.16	54.0	3.84	AV	101.00	100	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	1332.375	43.74	74.0	30.26	Peak	74.00	200	Vertical	Pass
1**	1332.375	31.53	54.0	22.47	AV	74.00	200	Vertical	Pass
2	1438.423	44.32	74.0	29.68	Peak	171.00	300	Vertical	Pass
2**	1438.423	34.03	54.0	19.97	AV	171.00	300	Vertical	Pass
3	4313.331	48.37	74.0	25.63	Peak	94.00	200	Vertical	Pass
3**	4313.331	38.26	54.0	15.74	AV	94.00	200	Vertical	Pass
4	7592.510	50.33	74.0	23.67	Peak	53.00	200	Vertical	Pass
4**	7592.510	42.04	54.0	11.96	AV	53.00	200	Vertical	Pass
5	12534.070	55.22	74.0	18.78	Peak	276.00	300	Vertical	Pass
5**	12534.070	44.55	54.0	9.45	AV	276.00	300	Vertical	Pass
6	15909.037	52.51	74.0	21.49	Peak	66.00	200	Vertical	Pass
6**	15909.037	43.61	54.0	10.39	AV	66.00	200	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	1522.859	38.55	74.0	35.45	Peak	228.00	300	Horizontal	Pass
1**	1522.859	28.82	54.0	25.18	AV	228.00	300	Horizontal	Pass
2	4023.457	46.69	74.0	27.31	Peak	90.00	300	Horizontal	Pass
2**	4023.457	39.40	54.0	14.60	AV	90.00	300	Horizontal	Pass
3	7600.095	54.66	74.0	19.34	Peak	31.00	200	Horizontal	Pass
3**	7600.095	46.40	54.0	7.60	AV	31.00	200	Horizontal	Pass
4	12457.868	52.65	74.0	21.35	Peak	305.00	200	Horizontal	Pass
4**	12457.868	46.00	54.0	8.00	AV	305.00	200	Horizontal	Pass
5	16091.332	51.89	74.0	22.11	Peak	40.00	100	Horizontal	Pass
5**	16091.332	47.20	54.0	6.80	AV	40.00	100	Horizontal	Pass
6	17423.094	53.49	74.0	20.51	Peak	85.00	100	Horizontal	Pass
6**	17423.094	47.86	54.0	6.14	AV	85.00	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	1330.314	47.16	74.0	26.84	Peak	357.00	100	Vertical	Pass
1**	1330.314	31.62	54.0	22.38	AV	357.00	100	Vertical	Pass
2	1443.631	39.57	74.0	34.43	Peak	148.00	100	Vertical	Pass
2**	1443.631	38.91	54.0	15.09	AV	148.00	100	Vertical	Pass
3	4313.519	48.34	74.0	25.66	Peak	169.00	200	Vertical	Pass
3**	4313.519	39.61	54.0	14.39	AV	169.00	200	Vertical	Pass
4	7593.874	50.05	74.0	23.95	Peak	336.00	400	Vertical	Pass
4**	7593.874	45.57	54.0	8.43	AV	336.00	400	Vertical	Pass
5	12534.695	54.31	74.0	19.69	Peak	155.00	400	Vertical	Pass
5**	12534.695	43.70	54.0	10.30	AV	155.00	400	Vertical	Pass
6	15906.029	57.06	74.0	16.94	Peak	260.00	100	Vertical	Pass
6**	15906.029	47.91	54.0	6.09	AV	260.00	100	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	1518.972	39.50	74.0	34.50	Peak	101.00	200	Horizontal	Pass
1**	1518.972	32.59	54.0	21.41	AV	101.00	200	Horizontal	Pass
2	4018.031	46.47	74.0	27.53	Peak	44.00	200	Horizontal	Pass
2**	4018.031	34.11	54.0	19.89	AV	44.00	200	Horizontal	Pass
3	7599.325	52.29	74.0	21.71	Peak	194.00	200	Horizontal	Pass
3**	7599.325	41.44	54.0	12.56	AV	194.00	200	Horizontal	Pass
4	12458.596	56.29	74.0	17.71	Peak	88.00	200	Horizontal	Pass
4**	12458.596	44.94	54.0	9.06	AV	88.00	200	Horizontal	Pass
5	16093.701	56.35	74.0	17.65	Peak	177.00	300	Horizontal	Pass
5**	16093.701	47.16	54.0	6.84	AV	177.00	300	Horizontal	Pass
6	17417.199	56.79	74.0	17.21	Peak	138.00	100	Horizontal	Pass
6**	17417.199	49.16	54.0	4.84	AV	138.00	100	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	1335.369	47.01	74.0	26.99	Peak	284.00	200	Vertical	Pass
1**	1335.369	36.34	54.0	17.66	AV	284.00	200	Vertical	Pass
2	1442.446	41.34	74.0	32.66	Peak	78.00	300	Vertical	Pass
2**	1442.446	38.86	54.0	15.14	AV	78.00	300	Vertical	Pass
3	4314.231	49.28	74.0	24.72	Peak	66.00	200	Vertical	Pass
3**	4314.231	38.38	54.0	15.62	AV	66.00	200	Vertical	Pass
4	7594.676	55.91	74.0	18.09	Peak	181.00	100	Vertical	Pass
4**	7594.676	43.67	54.0	10.33	AV	181.00	100	Vertical	Pass
5	12534.774	51.29	74.0	22.71	Peak	338.00	300	Vertical	Pass
5**	12534.774	45.43	54.0	8.57	AV	338.00	300	Vertical	Pass
6	15907.633	52.60	74.0	21.40	Peak	119.00	400	Vertical	Pass
6**	15907.633	47.54	54.0	6.46	AV	119.00	400	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	1519.023	39.75	74.0	34.25	Peak	159.00	200	Horizontal	Pass
1**	1519.023	32.51	54.0	21.49	AV	159.00	200	Horizontal	Pass
2	4019.686	46.60	74.0	27.40	Peak	328.00	300	Horizontal	Pass
2**	4019.686	37.38	54.0	16.62	AV	328.00	300	Horizontal	Pass
3	7595.473	54.23	74.0	19.77	Peak	353.00	200	Horizontal	Pass
3**	7595.473	40.91	54.0	13.09	AV	353.00	200	Horizontal	Pass
4	12457.397	50.66	74.0	23.34	Peak	218.00	400	Horizontal	Pass
4**	12457.397	46.20	54.0	7.80	AV	218.00	400	Horizontal	Pass
5	16096.082	51.62	74.0	22.38	Peak	25.00	400	Horizontal	Pass
5**	16096.082	46.85	54.0	7.15	AV	25.00	400	Horizontal	Pass
6	17416.659	56.24	74.0	17.76	Peak	17.00	400	Horizontal	Pass
6**	17416.659	49.95	54.0	4.05	AV	17.00	400	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	1337.263	45.41	74.0	28.59	Peak	43.00	400	Vertical	Pass
1**	1337.263	36.53	54.0	17.47	AV	43.00	400	Vertical	Pass
2	1439.261	44.70	74.0	29.30	Peak	51.00	100	Vertical	Pass
2**	1439.261	37.97	54.0	16.03	AV	51.00	100	Vertical	Pass
3	4314.982	46.98	74.0	27.02	Peak	284.00	200	Vertical	Pass
3**	4314.982	38.85	54.0	15.15	AV	284.00	200	Vertical	Pass
4	7591.947	50.50	74.0	23.50	Peak	183.00	100	Vertical	Pass
4**	7591.947	42.03	54.0	11.97	AV	183.00	100	Vertical	Pass
5	12530.997	53.78	74.0	20.22	Peak	65.00	200	Vertical	Pass
5**	12530.997	41.76	54.0	12.24	AV	65.00	200	Vertical	Pass
6	15907.903	51.51	74.0	22.49	Peak	285.00	200	Vertical	Pass
6**	15907.903	44.22	54.0	9.78	AV	285.00	200	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	1523.300	37.15	74.0	36.85	Peak	232.00	400	Horizontal	Pass
1**	1523.300	32.01	54.0	21.99	AV	232.00	400	Horizontal	Pass
2	4022.993	48.36	74.0	25.64	Peak	259.00	200	Horizontal	Pass
2**	4022.993	35.08	54.0	18.92	AV	259.00	200	Horizontal	Pass
3	7601.844	54.72	74.0	19.28	Peak	166.00	200	Horizontal	Pass
3**	7601.844	41.15	54.0	12.85	AV	166.00	200	Horizontal	Pass
4	12459.425	54.33	74.0	19.67	Peak	205.00	200	Horizontal	Pass
4**	12459.425	43.72	54.0	10.28	AV	205.00	200	Horizontal	Pass
5	16096.367	51.07	74.0	22.93	Peak	180.00	100	Horizontal	Pass
5**	16096.367	46.45	54.0	7.55	AV	180.00	100	Horizontal	Pass
6	17415.855	56.02	74.0	17.98	Peak	195.00	200	Horizontal	Pass
6**	17415.855	48.60	54.0	5.40	AV	195.00	200	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	1334.528	42.41	74.0	31.59	Peak	107.00	400	Vertical	Pass
1**	1334.528	32.78	54.0	21.22	AV	107.00	400	Vertical	Pass
2	1441.453	40.34	74.0	33.66	Peak	116.00	100	Vertical	Pass
2**	1441.453	39.80	54.0	14.20	AV	116.00	100	Vertical	Pass
3	4315.039	44.66	74.0	29.34	Peak	254.00	200	Vertical	Pass
3**	4315.039	41.20	54.0	12.80	AV	254.00	200	Vertical	Pass
4	7591.643	52.94	74.0	21.06	Peak	217.00	200	Vertical	Pass
4**	7591.643	44.34	54.0	9.66	AV	217.00	200	Vertical	Pass
5	12532.302	50.58	74.0	23.42	Peak	277.00	400	Vertical	Pass
5**	12532.302	44.04	54.0	9.96	AV	277.00	400	Vertical	Pass
6	15905.710	52.94	74.0	21.06	Peak	146.00	400	Vertical	Pass
6**	15905.710	43.83	54.0	10.17	AV	146.00	400	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	1519.050	36.33	74.0	37.67	Peak	214.00	200	Horizontal	Pass
1**	1519.050	32.36	54.0	21.64	AV	214.00	200	Horizontal	Pass
2	4023.406	48.52	74.0	25.48	Peak	186.00	400	Horizontal	Pass
2**	4023.406	36.46	54.0	17.54	AV	186.00	400	Horizontal	Pass
3	7600.861	54.37	74.0	19.63	Peak	76.00	200	Horizontal	Pass
3**	7600.861	44.65	54.0	9.35	AV	76.00	200	Horizontal	Pass
4	12459.328	52.61	74.0	21.39	Peak	197.00	200	Horizontal	Pass
4**	12459.328	46.31	54.0	7.69	AV	197.00	200	Horizontal	Pass
5	16098.070	51.44	74.0	22.56	Peak	157.00	400	Horizontal	Pass
5**	16098.070	45.70	54.0	8.30	AV	157.00	400	Horizontal	Pass
6	17419.975	56.14	74.0	17.86	Peak	105.00	300	Horizontal	Pass
6**	17419.975	46.51	54.0	7.49	AV	105.00	300	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	1332.037	44.77	74.0	29.23	Peak	87.00	300	Vertical	Pass
1**	1332.037	32.03	54.0	21.97	AV	87.00	300	Vertical	Pass
2	1439.049	43.78	74.0	30.22	Peak	194.00	200	Vertical	Pass
2**	1439.049	37.60	54.0	16.40	AV	194.00	200	Vertical	Pass
3	4309.280	44.91	74.0	29.09	Peak	35.00	200	Vertical	Pass
3**	4309.280	36.51	54.0	17.49	AV	35.00	200	Vertical	Pass
4	7592.981	55.92	74.0	18.08	Peak	197.00	400	Vertical	Pass
4**	7592.981	42.84	54.0	11.16	AV	197.00	400	Vertical	Pass
5	12537.129	55.09	74.0	18.91	Peak	179.00	100	Vertical	Pass
5**	12537.129	46.09	54.0	7.91	AV	179.00	100	Vertical	Pass
6	15909.476	57.16	74.0	16.84	Peak	79.00	200	Vertical	Pass
6**	15909.476	43.15	54.0	10.85	AV	79.00	200	Vertical	Pass

11n40, 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	1517.734	38.01	74.0	35.99	Peak	331.00	400	Horizontal	Pass
1**	1517.734	29.77	54.0	24.23	AV	331.00	400	Horizontal	Pass
2	4019.387	44.90	74.0	29.10	Peak	170.00	300	Horizontal	Pass
2**	4019.387	35.59	54.0	18.41	AV	170.00	300	Horizontal	Pass
3	7596.613	53.75	74.0	20.25	Peak	282.00	200	Horizontal	Pass
3**	7596.613	42.05	54.0	11.95	AV	282.00	200	Horizontal	Pass
4	12455.884	51.87	74.0	22.13	Peak	198.00	300	Horizontal	Pass
4**	12455.884	41.34	54.0	12.66	AV	198.00	300	Horizontal	Pass
5	16098.856	55.56	74.0	18.44	Peak	332.00	400	Horizontal	Pass
5**	16098.856	43.69	54.0	10.31	AV	332.00	400	Horizontal	Pass
6	17417.685	53.20	74.0	20.80	Peak	257.00	200	Horizontal	Pass
6**	17417.685	49.24	54.0	4.76	AV	257.00	200	Horizontal	Pass

11n40, 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	1330.907	47.13	74.0	26.87	Peak	116.00	100	Vertical	Pass
1**	1330.907	33.91	54.0	20.09	AV	116.00	100	Vertical	Pass
2	1440.295	42.62	74.0	31.38	Peak	93.00	400	Vertical	Pass
2**	1440.295	35.74	54.0	18.26	AV	93.00	400	Vertical	Pass
3	4314.417	48.69	74.0	25.31	Peak	206.00	200	Vertical	Pass
3**	4314.417	41.48	54.0	12.52	AV	206.00	200	Vertical	Pass
4	7595.242	50.10	74.0	23.90	Peak	76.00	100	Vertical	Pass
4**	7595.242	45.58	54.0	8.42	AV	76.00	100	Vertical	Pass
5	12535.244	50.55	74.0	23.45	Peak	159.00	200	Vertical	Pass
5**	12535.244	41.28	54.0	12.72	AV	159.00	200	Vertical	Pass
6	15909.985	52.43	74.0	21.57	Peak	354.00	300	Vertical	Pass
6**	15909.985	44.92	54.0	9.08	AV	354.00	300	Vertical	Pass

11n40, 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	1522.996	38.92	74.0	35.08	Peak	127.00	200	Horizontal	Pass
1**	1522.996	32.58	54.0	21.42	AV	127.00	200	Horizontal	Pass
2	4022.991	48.81	74.0	25.19	Peak	313.00	400	Horizontal	Pass
2**	4022.991	35.20	54.0	18.80	AV	313.00	400	Horizontal	Pass
3	7597.658	55.59	74.0	18.41	Peak	81.00	200	Horizontal	Pass
3**	7597.658	46.47	54.0	7.53	AV	81.00	200	Horizontal	Pass
4	12454.957	56.38	74.0	17.62	Peak	223.00	200	Horizontal	Pass
4**	12454.957	46.09	54.0	7.91	AV	223.00	200	Horizontal	Pass
5	16096.144	52.74	74.0	21.26	Peak	270.00	300	Horizontal	Pass
5**	16096.144	45.52	54.0	8.48	AV	270.00	300	Horizontal	Pass
6	17418.588	54.85	74.0	19.15	Peak	208.00	300	Horizontal	Pass
6**	17418.588	44.96	54.0	9.04	AV	208.00	300	Horizontal	Pass

11n40, 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	1337.138	45.26	74.0	28.74	Peak	86.00	300	Vertical	Pass
1**	1337.138	36.04	54.0	17.96	AV	86.00	300	Vertical	Pass
2	1444.098	43.68	74.0	30.32	Peak	158.00	400	Vertical	Pass
2**	1444.098	38.68	54.0	15.32	AV	158.00	400	Vertical	Pass
3	4312.639	50.09	74.0	23.91	Peak	258.00	200	Vertical	Pass
3**	4312.639	36.13	54.0	17.87	AV	258.00	200	Vertical	Pass
4	7591.458	52.65	74.0	21.35	Peak	3.00	400	Vertical	Pass
4**	7591.458	46.57	54.0	7.43	AV	3.00	400	Vertical	Pass
5	12533.499	56.26	74.0	17.74	Peak	242.00	400	Vertical	Pass
5**	12533.499	45.82	54.0	8.18	AV	242.00	400	Vertical	Pass
6	15904.008	55.68	74.0	18.32	Peak	171.00	100	Vertical	Pass
6**	15904.008	43.30	54.0	10.70	AV	171.00	100	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	1524.547	39.67	74.0	34.33	Peak	84.00	400	Horizontal	Pass
1**	1524.547	29.83	54.0	24.17	AV	84.00	400	Horizontal	Pass
2	4023.205	44.21	74.0	29.79	Peak	216.00	400	Horizontal	Pass
2**	4023.205	34.65	54.0	19.35	AV	216.00	400	Horizontal	Pass
3	7599.495	56.00	74.0	18.00	Peak	103.00	200	Horizontal	Pass
3**	7599.495	40.53	54.0	13.47	AV	103.00	200	Horizontal	Pass
4	12454.814	52.26	74.0	21.74	Peak	172.00	100	Horizontal	Pass
4**	12454.814	41.32	54.0	12.68	AV	172.00	100	Horizontal	Pass
5	16095.270	52.51	74.0	21.49	Peak	13.00	100	Horizontal	Pass
5**	16095.270	44.33	54.0	9.67	AV	13.00	100	Horizontal	Pass
6	17419.361	59.05	74.0	14.95	Peak	242.00	100	Horizontal	Pass
6**	17419.361	45.91	54.0	8.09	AV	242.00	100	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	1336.959	47.46	74.0	26.54	Peak	194.00	100	Vertical	Pass
1**	1336.959	34.60	54.0	19.40	AV	194.00	100	Vertical	Pass
2	1442.670	41.21	74.0	32.79	Peak	61.00	400	Vertical	Pass
2**	1442.670	34.42	54.0	19.58	AV	61.00	400	Vertical	Pass
3	4309.472	44.87	74.0	29.13	Peak	288.00	200	Vertical	Pass
3**	4309.472	40.12	54.0	13.88	AV	288.00	200	Vertical	Pass
4	7595.324	54.50	74.0	19.50	Peak	244.00	300	Vertical	Pass
4**	7595.324	41.39	54.0	12.61	AV	244.00	300	Vertical	Pass
5	12532.105	54.49	74.0	19.51	Peak	130.00	100	Vertical	Pass
5**	12532.105	45.58	54.0	8.42	AV	130.00	100	Vertical	Pass
6	15906.066	57.27	74.0	16.73	Peak	201.00	200	Vertical	Pass
6**	15906.066	44.83	54.0	9.17	AV	201.00	200	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	1521.607	35.36	74.0	38.64	Peak	320.00	200	Horizontal	Pass
1**	1521.607	28.61	54.0	25.39	AV	320.00	200	Horizontal	Pass
2	4022.049	47.26	74.0	26.74	Peak	144.00	400	Horizontal	Pass
2**	4022.049	39.77	54.0	14.23	AV	144.00	400	Horizontal	Pass
3	7597.918	51.57	74.0	22.43	Peak	286.00	200	Horizontal	Pass
3**	7597.918	43.67	54.0	10.33	AV	286.00	200	Horizontal	Pass
4	12455.175	54.34	74.0	19.66	Peak	166.00	100	Horizontal	Pass
4**	12455.175	41.33	54.0	12.67	AV	166.00	100	Horizontal	Pass
5	16092.738	54.03	74.0	19.97	Peak	226.00	200	Horizontal	Pass
5**	16092.738	43.76	54.0	10.24	AV	226.00	200	Horizontal	Pass
6	17416.156	54.80	74.0	19.20	Peak	254.00	300	Horizontal	Pass
6**	17416.156	49.35	54.0	4.65	AV	254.00	300	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	1334.504	47.09	74.0	26.91	Peak	265.00	400	Vertical	Pass
1**	1334.504	32.70	54.0	21.30	AV	265.00	400	Vertical	Pass
2	1444.280	40.35	74.0	33.65	Peak	261.00	200	Vertical	Pass
2**	1444.280	34.69	54.0	19.31	AV	261.00	200	Vertical	Pass
3	4313.948	46.01	74.0	27.99	Peak	238.00	200	Vertical	Pass
3**	4313.948	40.75	54.0	13.25	AV	238.00	200	Vertical	Pass
4	7591.838	55.02	74.0	18.98	Peak	186.00	300	Vertical	Pass
4**	7591.838	44.38	54.0	9.62	AV	186.00	300	Vertical	Pass
5	12537.781	51.40	74.0	22.60	Peak	232.00	300	Vertical	Pass
5**	12537.781	45.65	54.0	8.35	AV	232.00	300	Vertical	Pass
6	15907.442	56.95	74.0	17.05	Peak	232.00	400	Vertical	Pass
6**	15907.442	46.39	54.0	7.61	AV	232.00	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	1521.454	41.15	74.0	32.85	Peak	207.00	300	Horizontal	Pass
1**	1521.454	32.18	54.0	21.82	AV	207.00	300	Horizontal	Pass
2	4016.039	48.76	74.0	25.24	Peak	84.00	400	Horizontal	Pass
2**	4016.039	37.72	54.0	16.28	AV	84.00	400	Horizontal	Pass
3	7597.446	54.74	74.0	19.26	Peak	342.00	200	Horizontal	Pass
3**	7597.446	45.82	54.0	8.18	AV	342.00	200	Horizontal	Pass
4	12457.302	55.52	74.0	18.48	Peak	307.00	300	Horizontal	Pass
4**	12457.302	44.32	54.0	9.68	AV	307.00	300	Horizontal	Pass
5	16092.790	51.96	74.0	22.04	Peak	54.00	200	Horizontal	Pass
5**	16092.790	47.24	54.0	6.76	AV	54.00	200	Horizontal	Pass
6	17418.269	58.81	74.0	15.19	Peak	45.00	300	Horizontal	Pass
6**	17418.269	48.33	54.0	5.67	AV	45.00	300	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	1334.906	45.35	74.0	28.65	Peak	203.00	200	Vertical	Pass
1**	1334.906	32.57	54.0	21.43	AV	203.00	200	Vertical	Pass
2	1443.412	44.44	74.0	29.56	Peak	166.00	200	Vertical	Pass
2**	1443.412	38.04	54.0	15.96	AV	166.00	200	Vertical	Pass
3	4310.001	46.91	74.0	27.09	Peak	35.00	200	Vertical	Pass
3**	4310.001	35.64	54.0	18.36	AV	35.00	200	Vertical	Pass
4	7593.313	55.76	74.0	18.24	Peak	225.00	100	Vertical	Pass
4**	7593.313	43.99	54.0	10.01	AV	225.00	100	Vertical	Pass
5	12533.099	55.30	74.0	18.70	Peak	245.00	100	Vertical	Pass
5**	12533.099	42.15	54.0	11.85	AV	245.00	100	Vertical	Pass
6	15909.120	55.37	74.0	18.63	Peak	267.00	400	Vertical	Pass
6**	15909.120	47.08	54.0	6.92	AV	267.00	400	Vertical	Pass

11ac40, 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	1517.564	36.37	74.0	37.63	Peak	171.00	400	Horizontal	Pass
1**	1517.564	28.12	54.0	25.88	AV	171.00	400	Horizontal	Pass
2	4019.349	49.82	74.0	24.18	Peak	74.00	100	Horizontal	Pass
2**	4019.349	36.52	54.0	17.48	AV	74.00	100	Horizontal	Pass
3	7600.052	55.23	74.0	18.77	Peak	150.00	200	Horizontal	Pass
3**	7600.052	44.20	54.0	9.80	AV	150.00	200	Horizontal	Pass
4	12455.050	56.39	74.0	17.61	Peak	208.00	100	Horizontal	Pass
4**	12455.050	42.11	54.0	11.89	AV	208.00	100	Horizontal	Pass
5	16094.608	50.93	74.0	23.07	Peak	320.00	300	Horizontal	Pass
5**	16094.608	42.34	54.0	11.66	AV	320.00	300	Horizontal	Pass
6	17421.074	58.93	74.0	15.07	Peak	195.00	200	Horizontal	Pass
6**	17421.074	49.08	54.0	4.92	AV	195.00	200	Horizontal	Pass

11ac40, 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	1329.839	47.34	74.0	26.66	Peak	16.00	100	Vertical	Pass
1**	1329.839	36.19	54.0	17.81	AV	16.00	100	Vertical	Pass
2	1436.423	39.82	74.0	34.18	Peak	69.00	100	Vertical	Pass
2**	1436.423	38.67	54.0	15.33	AV	69.00	100	Vertical	Pass
3	4312.231	46.08	74.0	27.92	Peak	353.00	200	Vertical	Pass
3**	4312.231	39.82	54.0	14.18	AV	353.00	200	Vertical	Pass
4	7596.073	52.77	74.0	21.23	Peak	114.00	300	Vertical	Pass
4**	7596.073	44.06	54.0	9.94	AV	114.00	300	Vertical	Pass
5	12536.928	54.08	74.0	19.92	Peak	43.00	300	Vertical	Pass
5**	12536.928	42.11	54.0	11.89	AV	43.00	300	Vertical	Pass
6	15907.562	57.04	74.0	16.96	Peak	101.00	100	Vertical	Pass
6**	15907.562	48.48	54.0	5.52	AV	101.00	100	Vertical	Pass

11ac40, 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	1522.044	38.83	74.0	35.17	Peak	289.00	300	Horizontal	Pass
1**	1522.044	29.22	54.0	24.78	AV	289.00	300	Horizontal	Pass
2	4016.917	45.65	74.0	28.35	Peak	60.00	300	Horizontal	Pass
2**	4016.917	38.27	54.0	15.73	AV	60.00	300	Horizontal	Pass
3	7595.578	50.56	74.0	23.44	Peak	7.00	200	Horizontal	Pass
3**	7595.578	45.14	54.0	8.86	AV	7.00	200	Horizontal	Pass
4	12459.697	52.55	74.0	21.45	Peak	2.00	300	Horizontal	Pass
4**	12459.697	46.28	54.0	7.72	AV	2.00	300	Horizontal	Pass
5	16094.229	52.67	74.0	21.33	Peak	144.00	200	Horizontal	Pass
5**	16094.229	43.96	54.0	10.04	AV	144.00	200	Horizontal	Pass
6	17415.795	53.40	74.0	20.60	Peak	147.00	400	Horizontal	Pass
6**	17415.795	44.82	54.0	9.18	AV	147.00	400	Horizontal	Pass

11ac40, 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	1334.106	46.97	74.0	27.03	Peak	319.00	400	Vertical	Pass
1**	1334.106	35.85	54.0	18.15	AV	319.00	400	Vertical	Pass
2	1442.096	41.55	74.0	32.45	Peak	53.00	100	Vertical	Pass
2**	1442.096	38.61	54.0	15.39	AV	53.00	100	Vertical	Pass
3	4315.223	46.69	74.0	27.31	Peak	52.00	200	Vertical	Pass
3**	4315.223	36.49	54.0	17.51	AV	52.00	200	Vertical	Pass
4	7596.832	55.33	74.0	18.67	Peak	96.00	100	Vertical	Pass
4**	7596.832	45.07	54.0	8.93	AV	96.00	100	Vertical	Pass
5	12538.061	54.21	74.0	19.79	Peak	15.00	200	Vertical	Pass
5**	12538.061	42.97	54.0	11.03	AV	15.00	200	Vertical	Pass
6	15906.834	57.38	74.0	16.62	Peak	97.00	400	Vertical	Pass
6**	15906.834	47.85	54.0	6.15	AV	97.00	400	Vertical	Pass

11ac80, 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	1522.872	38.88	74.0	35.12	Peak	123.00	100	Horizontal	Pass
1**	1522.872	28.31	54.0	25.69	AV	123.00	100	Horizontal	Pass
2	4020.843	47.17	74.0	26.83	Peak	137.00	300	Horizontal	Pass
2**	4020.843	38.77	54.0	15.23	AV	137.00	300	Horizontal	Pass
3	7599.233	53.69	74.0	20.31	Peak	335.00	200	Horizontal	Pass
3**	7599.233	41.34	54.0	12.66	AV	335.00	200	Horizontal	Pass
4	12456.235	51.73	74.0	22.27	Peak	86.00	200	Horizontal	Pass
4**	12456.235	43.45	54.0	10.55	AV	86.00	200	Horizontal	Pass
5	16094.421	54.08	74.0	19.92	Peak	8.00	200	Horizontal	Pass
5**	16094.421	44.73	54.0	9.27	AV	8.00	200	Horizontal	Pass
6	17422.323	57.83	74.0	16.17	Peak	338.00	200	Horizontal	Pass
6**	17422.323	48.74	54.0	5.26	AV	338.00	200	Horizontal	Pass

11ac80, 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	1331.890	44.34	74.0	29.66	Peak	141.00	100	Vertical	Pass
1**	1331.890	33.81	54.0	20.19	AV	141.00	100	Vertical	Pass
2	1437.783	42.83	74.0	31.17	Peak	282.00	200	Vertical	Pass
2**	1437.783	37.30	54.0	16.70	AV	282.00	200	Vertical	Pass
3	4314.538	45.66	74.0	28.34	Peak	8.00	200	Vertical	Pass
3**	4314.538	41.29	54.0	12.71	AV	8.00	200	Vertical	Pass
4	7591.333	50.52	74.0	23.48	Peak	98.00	300	Vertical	Pass
4**	7591.333	41.76	54.0	12.24	AV	98.00	300	Vertical	Pass
5	12535.752	52.26	74.0	21.74	Peak	351.00	200	Vertical	Pass
5**	12535.752	41.44	54.0	12.56	AV	351.00	200	Vertical	Pass
6	15903.446	57.12	74.0	16.88	Peak	220.00	100	Vertical	Pass
6**	15903.446	46.12	54.0	7.88	AV	220.00	100	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
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass
U-NII-3	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	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	5075.264	54.2	74.0	19.80	Peak	338.00	300	Horizontal	Pass
1**	5075.264	42.93	54.0	11.07	AV	338.00	300	Horizontal	Pass
2	5150.000	55.01	74.0	18.99	Peak	91.00	300	Horizontal	Pass
2**	5150.000	43.39	54.0	10.61	AV	91.00	300	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	56.47	74.0	17.53	Peak	308.00	200	Horizontal	Pass
1**	5350.000	45.42	54.0	8.58	AV	308.00	200	Horizontal	Pass
2	5422.866	56.02	74.0	17.98	Peak	89.00	200	Horizontal	Pass
2**	5422.866	46.84	54.0	7.16	AV	89.00	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	5077.665	54.62	74.0	19.38	Peak	62.00	200	Horizontal	Pass
1**	5077.665	45.16	54.0	8.84	AV	62.00	200	Horizontal	Pass
2	5150.000	52.7	74.0	21.30	Peak	70.00	100	Horizontal	Pass
2**	5150.000	42.9	54.0	11.10	AV	70.00	100	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	55.75	74.0	18.25	Peak	127.00	100	Horizontal	Pass
1**	5350.000	43.95	54.0	10.05	AV	127.00	100	Horizontal	Pass
2	5421.809	56.05	74.0	17.95	Peak	216.00	200	Horizontal	Pass
2**	5421.809	46.18	54.0	7.82	AV	216.00	200	Horizontal	Pass

U-NII-1 11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5076.599	55.51	74.0	18.49	Peak	271.00	300	Horizontal	Pass
1**	5076.599	45.23	54.0	8.77	AV	271.00	300	Horizontal	Pass
2	5150.000	55.95	74.0	18.05	Peak	80.00	100	Horizontal	Pass
2**	5150.000	42.59	54.0	11.41	AV	80.00	100	Horizontal	Pass

U-NII-1 11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	53.05	74.0	20.95	Peak	95.00	300	Horizontal	Pass
1**	5350.000	44.25	54.0	9.75	AV	95.00	300	Horizontal	Pass
2	5424.147	57.36	74.0	16.64	Peak	330.00	200	Horizontal	Pass
2**	5424.147	44.63	54.0	9.37	AV	330.00	200	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	5076.916	55.64	74.0	18.36	Peak	70.00	100	Horizontal	Pass
1**	5076.916	43.97	54.0	10.03	AV	70.00	100	Horizontal	Pass
2	5150.000	53.24	74.0	20.76	Peak	235.00	100	Horizontal	Pass
2**	5150.000	44.07	54.0	9.93	AV	235.00	100	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	56.15	74.0	17.85	Peak	27.00	300	Horizontal	Pass
1**	5350.000	44.35	54.0	9.65	AV	27.00	300	Horizontal	Pass
2	5422.563	58.08	74.0	15.92	Peak	72.00	100	Horizontal	Pass
2**	5422.563	46.92	54.0	7.08	AV	72.00	100	Horizontal	Pass

U-NII-1 11ac40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5077.370	56.25	74.0	17.75	Peak	316.00	200	Horizontal	Pass
1**	5077.370	43.36	54.0	10.64	AV	316.00	200	Horizontal	Pass
2	5150.000	54.54	74.0	19.46	Peak	239.00	100	Horizontal	Pass
2**	5150.000	46.14	54.0	7.86	AV	239.00	100	Horizontal	Pass

U-NII-1 11ac40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.77	74.0	18.23	Peak	87.00	200	Horizontal	Pass
1**	5350.000	43.55	54.0	10.45	AV	87.00	200	Horizontal	Pass
2	5424.297	56.74	74.0	17.26	Peak	147.00	200	Horizontal	Pass
2**	5424.297	43.24	54.0	10.76	AV	147.00	200	Horizontal	Pass

U-NII-1 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5077.067	55.58	74.0	18.42	Peak	323.00	300	Horizontal	Pass
1**	5077.067	45.41	54.0	8.59	AV	323.00	300	Horizontal	Pass
2	5150.000	53.54	74.0	20.46	Peak	238.00	300	Horizontal	Pass
2**	5150.000	42.27	54.0	11.73	AV	238.00	300	Horizontal	Pass

U-NII-1 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	54.09	74.0	19.91	Peak	75.00	300	Horizontal	Pass
1**	5350.000	43.14	54.0	10.86	AV	75.00	300	Horizontal	Pass
2	5422.906	57.48	74.0	16.52	Peak	344.00	300	Horizontal	Pass
2**	5422.906	43.77	54.0	10.23	AV	344.00	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	5643.092	54.83	68.2	13.37	Peak	328.00	300	Horizontal	Pass
2	5650.000	54.3	68.2	13.90	Peak	328.00	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	5925.000	52.99	68.2	15.21	Peak	92.00	300	Horizontal	Pass
2	5942.121	58.09	68.2	10.11	Peak	347.00	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	5642.986	54.58	68.2	13.62	Peak	267.00	200	Horizontal	Pass
2	5650.000	52.73	68.2	15.47	Peak	267.00	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	5925.000	50.92	68.2	17.28	Peak	11.00	300	Horizontal	Pass
2	5943.380	55.72	68.2	12.48	Peak	173.00	200	Horizontal	Pass

U-NII-3 11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5640.046	51.82	68.2	16.38	Peak	200.00	100	Horizontal	Pass
2	5650.000	53.72	68.2	14.48	Peak	200.00	100	Horizontal	Pass

U-NII-3 11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	48.71	68.2	19.49	Peak	3.00	100	Horizontal	Pass
2	5944.857	56.68	68.2	11.52	Peak	42.00	100	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	5639.204	49.19	68.2	19.01	Peak	195.00	300	Horizontal	Pass
2	5650.000	52.62	68.2	15.58	Peak	195.00	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	5925.000	49.69	68.2	18.51	Peak	199.00	100	Horizontal	Pass
2	5944.886	55.89	68.2	12.31	Peak	88.00	300	Horizontal	Pass

U-NII-3 11ac40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5637.689	48.52	68.2	19.68	Peak	216.00	100	Horizontal	Pass
2	5650.000	53.37	68.2	14.83	Peak	216.00	100	Horizontal	Pass

U-NII-3 11ac40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	49.63	68.2	18.57	Peak	132.00	100	Horizontal	Pass
2	5945.149	55.71	68.2	12.49	Peak	125.00	300	Horizontal	Pass

U-NII-3 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5635.569	48.67	68.2	19.53	Peak	322.00	200	Horizontal	Pass
2	5650.000	53.84	68.2	14.36	Peak	322.00	200	Horizontal	Pass

U-NII-3 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	47	68.2	21.20	Peak	144.00	300	Horizontal	Pass
2	5945.229	55.32	68.2	12.88	Peak	339.00	200	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2520129-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2520129-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2520129-AI.PDF”.

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