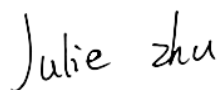
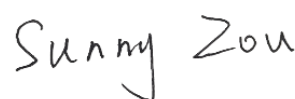


TEST REPORT

Applicant: Shanghai Tricheer Technology Co., Ltd.
Address: Rm 907, Building 1, Lane 399, Shengxia Road,
China (shanghai) Pilot Free Trade Zone, Shanghai,
China
Equipment Type: FS045W
Model Name: FS045W
Brand Name: +F
FCC ID: 2ANKMFS045W
Test Standard: 47 CFR Part 15 Subpart E
(refer to section 3.1)
Sample Arrival Date: Jan. 10, 2025
Test Date: Jan. 17, 2025 - Jan. 22, 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
<u>Rev. 01</u>	<u>Mar. 07, 2025</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☒ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Shanghai Tricheer Technology Co., Ltd.
Address	Rm 907, Building 1, Lane 399, Shengxia Road, China (shanghai) Pilot Free Trade Zone, Shanghai, China

2.2 Manufacturer Information

Manufacturer	Shanghai Tricheer Technology Co., Ltd.
Address	Rm 907, Building 1, Lane 399, Shengxia Road, China (shanghai) Pilot Free Trade Zone, Shanghai, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	FS045W
Model Name Under Test	FS045W
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	A9822M1A
Software Version	LWDJC15.1.0_2M1A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/12/17/18/19/26 LTE TDD Band 41 WIFI 802.11a, 802.11b, 802.11g, 802.11n and 802.11ac U-NII-1/2C
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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-2C: 5470 MHz to 5725 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: 9.48 mW U-NII-2C: 9.79 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	Fixed Internal Antenna
Antenna Gain	U-NII-1: 2.93 dBi U-NII-2C: 2.99 dBi
About the Product	The equipment is FS045W, 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	106	5530
44	5220	102	5510	122	5610
48	5240	110	5550		
100	5500	118	5590		
104	5520	126	5630		
108	5540	134	5670		
112	5560				
116	5580				
120	5600				
124	5620				
128	5640				
132	5660				
136	5680				
140	5700				

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-2C (5470 - 5725 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
36	Low	5180	100	Low	5500
44	Mid	5220	116	Mid	5580
48	High	5240	140	High	5700

For 802.11n(HT40)/ac(VHT40)

U-NII-1 (5150 - 5250 MHz)			U-NII-2C (5470 - 5725 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
38	Low	5190	102	Low	5510
46	High	5230	118	Mid	5590
			134	High	5670

For 802.11ac(VHT80)

U-NII-1 (5150 - 5250 MHz)			U-NII-2C (5470 - 5725 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
42	Mid	5210	106	Low	5530
			122	High	5610

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

Test Items	Mode	Data Rate	Modulation Type	U-NII-1	U-NII-2C
				Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	140/116/100
	11n(20 MHz)	6.5		48/44/36	140/116/100
	11n(40 MHz)	13.5		46/38	134/118/102
	11ac(20 MHz)	6.5		48/44/36	140/116/100
	11ac(40 MHz)	13.5		46/38	134/118/102
	11ac(80 MHz)	29.3		42	122/106
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	140/116/100
	11n(20 MHz)	6.5		48/44/36	140/116/100
	11n(40 MHz)	13.5		46/38	134/118/102
	11ac(20 MHz)	6.5		48/44/36	140/116/100
	11ac(40 MHz)	13.5		46/38	134/118/102
	11ac(80 MHz)	29.3		42	122/106
6 dB bandwidth	11a	6	BPSK	N/A	N/A
	11n(20 MHz)	6.5		N/A	N/A
	11n(40 MHz)	13.5		N/A	N/A
	11ac(20 MHz)	6.5		N/A	N/A
	11ac(40 MHz)	13.5		N/A	N/A
	11ac(80 MHz)	29.3		N/A	N/A
Power Spectral Density	11a	6	BPSK	48/44/36	140/116/100
	11n(20 MHz)	6.5		48/44/36	140/116/100
	11n(40 MHz)	13.5		46/38	134/118/102
	11ac(20 MHz)	6.5		48/44/36	140/116/100
	11ac(40 MHz)	13.5		46/38	134/118/102
	11ac(80 MHz)	29.3		42	122/106
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	140/116/100
	11n(20 MHz)	6.5		48/44/36	140/116/100
	11n(40 MHz)	13.5		46/38	134/118/102
	11ac(20 MHz)	6.5		48/44/36	140/116/100
	11ac(40 MHz)	13.5		46/38	134/118/102
	11ac(80 MHz)	29.3		42	122/106
Band Edge (Restricted-band)	11a	6	BPSK	48/36	140/100
	11n(20 MHz)	6.5		48/36	140/100
	11n(40 MHz)	13.5		46/38	134/102
	11ac(20 MHz)	6.5		48/36	140/100
	11ac(40 MHz)	13.5		46/38	134/102
	11ac(80 MHz)	29.3		42	122/106

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	N/A
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	36% to 60%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+21.6°C to +23.7°C
Working Voltage of the EUT	NV (Normal Voltage)	3.85V

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	MY50531259	2024.08.01	2025.07.31
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	02460	2024.05.16	2027.05.15
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Anechoic Chamber	RAINFORD	9m*6m*6m	140	2024.07.28	2027.07.27
Amplifier	COM-MV	LSCX_LNA1-12G-01	7210214	2024.08.01	2025.07.31
Amplifier	COM-MV	XKu_LNA7-18G-01	7210209	2024.08.01	2025.07.31
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2024.12.05	2025.12.04
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2024.08.01	2025.07.31
Test Antenna-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%

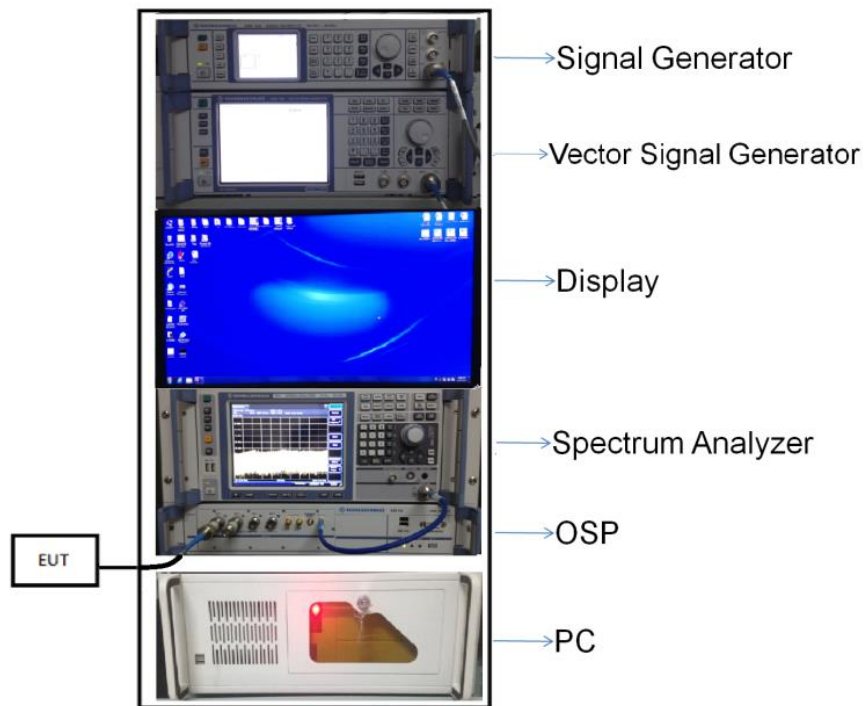
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

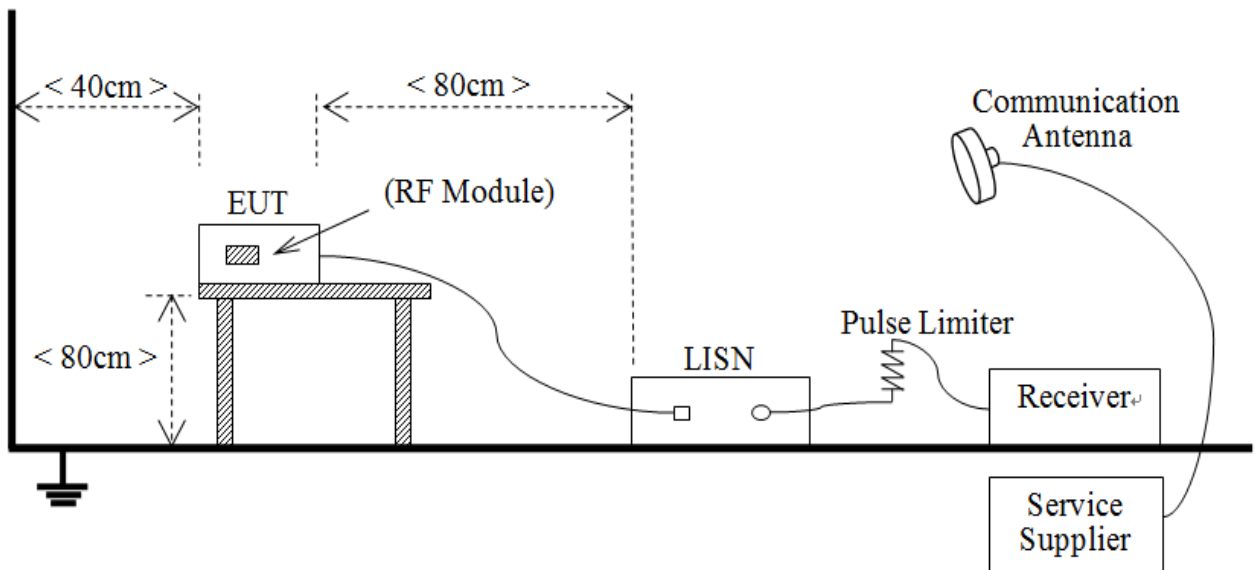
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



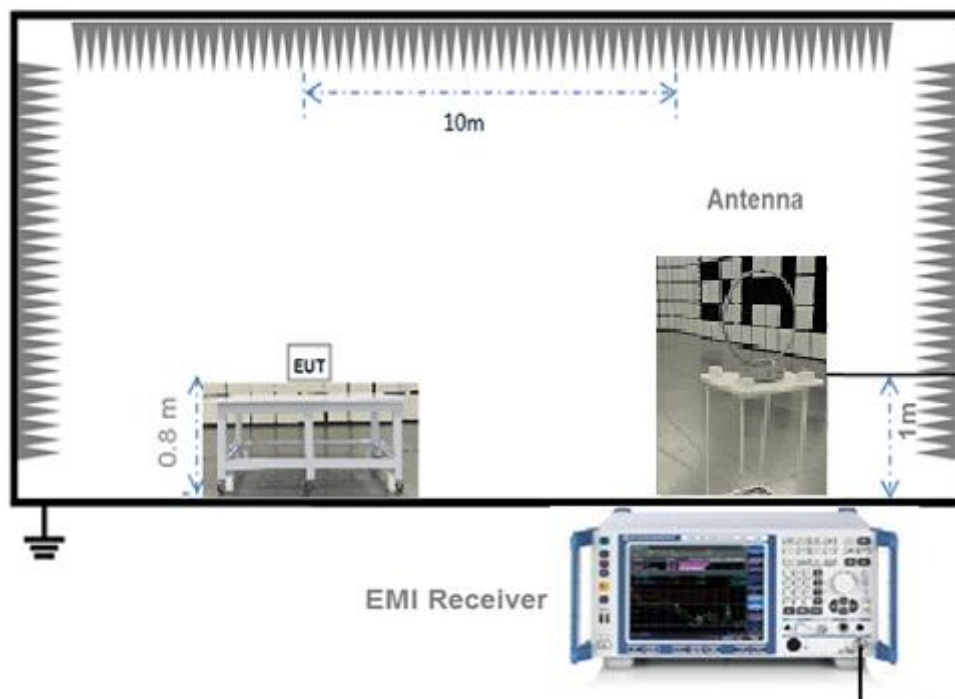
(Diagram 1)

4.5.2 For AC Power Supply Port Test



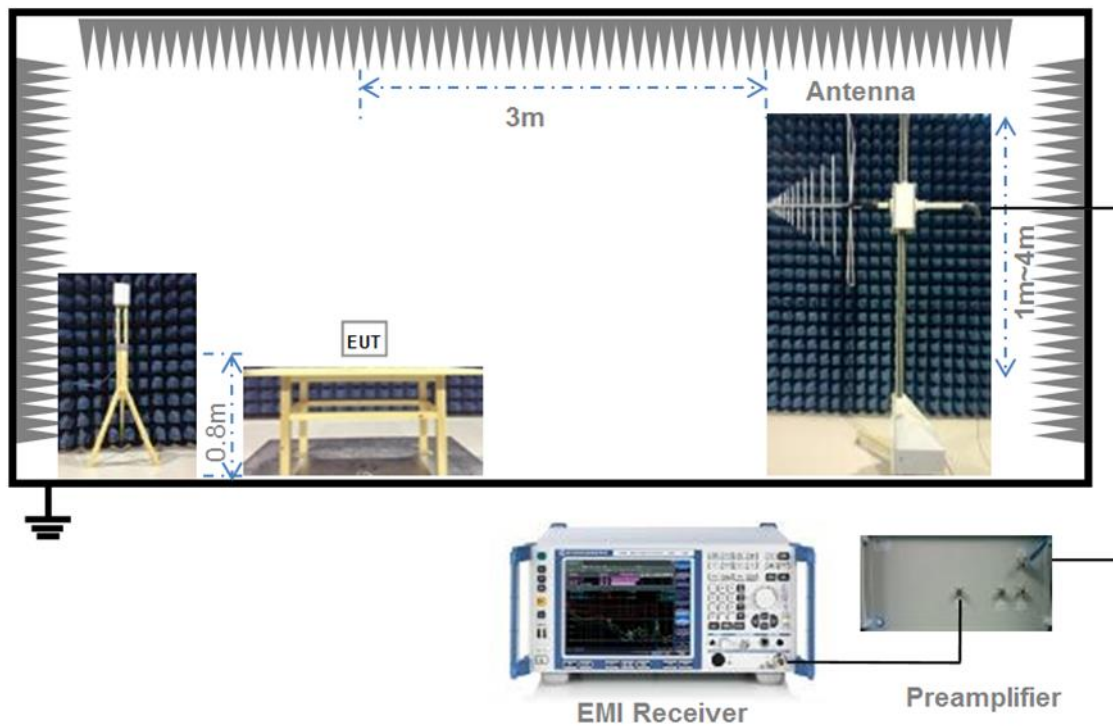
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



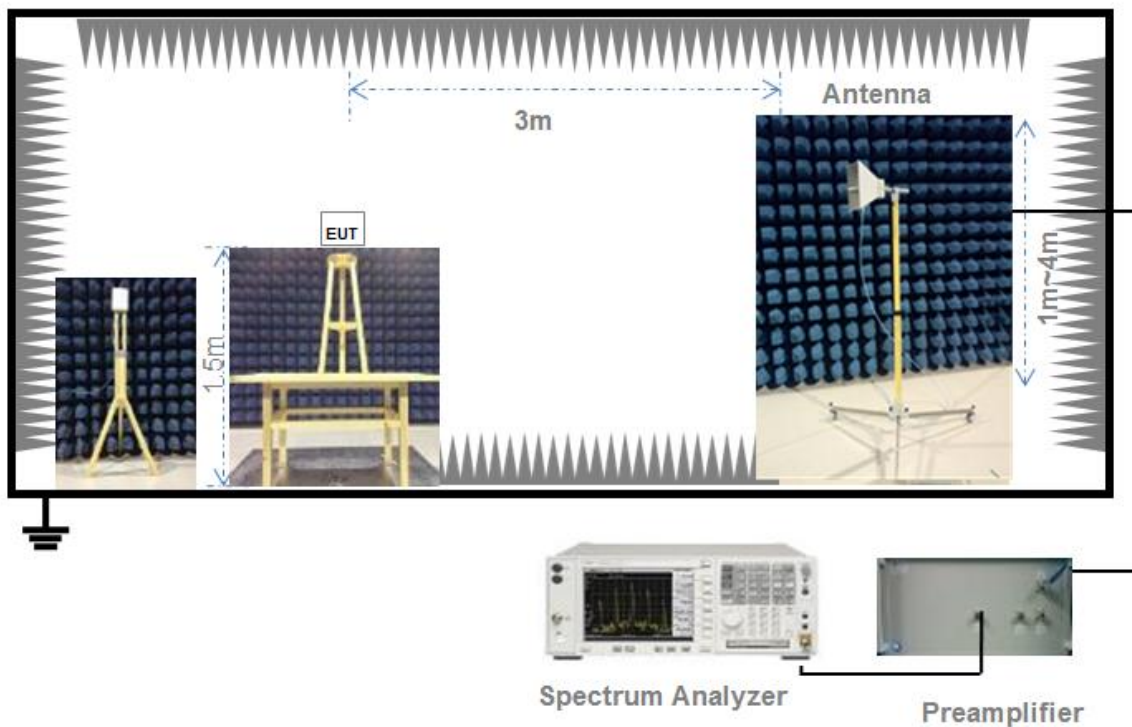
(Diagram 3)

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

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

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

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a)

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

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

Occupied Bandwidth

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

6 dB bandwidth

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

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

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

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the U-NII-150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

5.5.1 Limit

FCC §15.209 & 15.407(b)

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

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

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

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

- 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).
- 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).
- 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).
- Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

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

where:

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

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

e) Compare the resultant electric field strength level to the applicable limit.

f) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

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

As an alternative to CISPR quasi-peak measurement, compliance can be demonstrated to the applicable emission limits using a peak detector.

Peak power measurement procedure

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

a) RBW = as specified in Table 1.

b) VBW $\geq 3 \times$ RBW.

c) Detector = Peak.

d) Sweep time = auto.

e) Trace mode = max hold.

f) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be longer for low duty cycle applications).

Table 1—RBW as a function of frequency

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

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

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

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

- a) The EUT shall be configured to operate at the maximum achievable duty cycle.
- b) Measure the duty cycle, x , of the transmitter output signal as described in section 6.0.
- c) RBW = 1 MHz (unless otherwise specified).
- d) VBW $\geq 3 \times$ RBW.
- e) Detector = RMS, if $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
- f) Averaging type = power (i.e., RMS).
 - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
 - 2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
- g) Sweep time = auto.
- h) Perform a trace average of at least 100 traces.
- i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:
 - 1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is $10 \log(1/x)$, where x is the duty cycle.
 - 2) If linear voltage averaging mode was used in step f), then the applicable correction factor is $20 \log(1/x)$, where x is the duty cycle.
 - 3) If a specific emission is demonstrated to be continuous (≥ 98 percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

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

Determining the applicable transmit antenna gain

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

Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that

is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

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

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

Note: 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	2.08	2.13	97.37%	0.12
11n(HT20)/11ac(VHT20)	1.90	2.01	94.62%	0.24
11n(HT40)/11ac(VHT40)	0.93	1.04	89.72%	0.47
11ac(VHT80)	0.46	0.59	77.23%	1.12

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	9.51	8.93	250	Pass
11a	CH44	9.77	9.48	250	Pass
11a	CH48	9.77	9.48	250	Pass
11n(HT20)	CH36	9.37	8.65	250	Pass
11n(HT20)	CH44	9.51	8.93	250	Pass
11n(HT20)	CH48	9.31	8.53	250	Pass
11n(HT40)	CH38	4.84	3.05	250	Pass
11n(HT40)	CH46	4.51	2.82	250	Pass
11ac(VHT20)	CH36	4.31	2.70	250	Pass
11ac(VHT20)	CH44	4.48	2.81	250	Pass
11ac(VHT20)	CH48	4.38	2.74	250	Pass
11ac(VHT40)	CH38	4.86	3.06	250	Pass
11ac(VHT40)	CH46	4.93	3.11	250	Pass
11ac(VHT80)	CH42	4.46	2.79	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	9.83	9.62	250	Pass
11a	CH116	9.81	9.57	249	Pass
11a	CH140	9.44	8.79	249	Pass
11n(HT20)	CH100	9.47	8.85	250	Pass
11n(HT20)	CH116	9.47	8.85	250	Pass
11n(HT20)	CH140	9.17	8.26	250	Pass
11n(HT40)	CH102	9.48	8.87	250	Pass
11n(HT40)	CH118	9.91	9.79	250	Pass
11n(HT40)	CH134	9.52	8.95	250	Pass
11ac(VHT20)	CH100	4.48	2.81	250	Pass
11ac(VHT20)	CH116	4.66	2.92	250	Pass
11ac(VHT20)	CH140	4.63	2.90	250	Pass
11ac(VHT40)	CH102	4.78	3.01	250	Pass
11ac(VHT40)	CH118	4.59	2.88	250	Pass
11ac(VHT40)	CH134	4.53	2.84	250	Pass
11ac(VHT80)	CH106	4.63	2.90	250	Pass
11ac(VHT80)	CH122	4.83	3.04	250	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2510664-602 Data Part 1.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	19.68	16.26
11a	CH44	19.85	16.27
11a	CH48	19.83	16.26
11n(HT20)	CH36	20.43	17.36
11n(HT20)	CH44	20.34	17.36
11n(HT20)	CH48	20.44	17.37
11n(HT40)	CH38	41.89	36.01
11n(HT40)	CH46	44.37	36.02
11ac(VHT20)	CH36	20.32	17.42
11ac(VHT20)	CH44	20.19	17.40
11ac(HVT20)	CH48	20.15	17.39
11ac(VHT40)	CH38	43.23	35.99
11ac(VHT40)	CH46	42.70	36.00
11ac(VHT80)	CH42	83.08	75.71

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	19.83	16.27
11a	CH116	19.80	16.27
11a	CH140	19.79	16.26
11n(HT20)	CH100	20.59	17.36
11n(HT20)	CH116	20.20	17.37
11n(HT20)	CH140	20.38	17.36
11n(HT40)	CH102	43.56	35.92
11n(HT40)	CH118	43.04	35.88
11n(HT40)	CH134	43.00	35.88
11ac(VHT20)	CH100	20.57	17.42
11ac(VHT20)	CH116	20.16	17.42
11ac(VHT20)	CH140	20.07	17.41
11ac(VHT40)	CH102	42.91	36.06
11ac(VHT40)	CH118	43.99	36.03
11ac(VHT40)	CH134	42.74	36.01
11ac(VHT80)	CH106	82.10	75.70
11ac(VHT80)	CH122	81.70	75.67

A.3 6 dB Bandwidth

Note: Not applicable.

A.4 Power Spectral Density

Note: Test plots please refer to the document "Annex No.: BL-SZ2510664-602 Data Part 2.pdf".

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	-1.33	11.00	Pass
11a	CH44	-1.10	11.00	Pass
11a	CH48	-1.23	11.00	Pass
11n(HT20)	CH36	-1.67	11.00	Pass
11n(HT20)	CH44	-1.48	11.00	Pass
11n(HT20)	CH48	-1.59	11.00	Pass
11n(HT40)	CH38	-9.35	11.00	Pass
11n(HT40)	CH46	-9.69	11.00	Pass
11ac(VHT20)	CH36	-6.74	11.00	Pass
11ac(VHT20)	CH44	-6.56	11.00	Pass
11ac(VHT20)	CH48	-6.63	11.00	Pass
11ac(VHT40)	CH38	-9.43	11.00	Pass
11ac(VHT40)	CH46	-9.24	11.00	Pass
11ac(VHT80)	CH42	-12.92	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH100	-1.24	11.00	Pass
11a	CH116	-1.26	11.00	Pass
11a	CH140	-1.41	11.00	Pass
11n(HT20)	CH100	-1.82	11.00	Pass
11n(HT20)	CH116	-1.71	11.00	Pass
11n(HT20)	CH140	-1.85	11.00	Pass
11n(HT40)	CH102	-4.82	11.00	Pass
11n(HT40)	CH118	-4.34	11.00	Pass
11n(HT40)	CH134	-4.67	11.00	Pass
11ac(VHT20)	CH100	-6.53	11.00	Pass
11ac(VHT20)	CH116	-6.59	11.00	Pass
11ac(VHT20)	CH140	-6.48	11.00	Pass
11ac(VHT40)	CH102	-9.57	11.00	Pass
11ac(VHT40)	CH118	-9.65	11.00	Pass
11ac(VHT40)	CH134	-9.65	11.00	Pass
11ac(VHT80)	CH106	-12.89	11.00	Pass
11ac(VHT80)	CH122	-12.47	11.00	Pass

A.5 Conducted Emissions

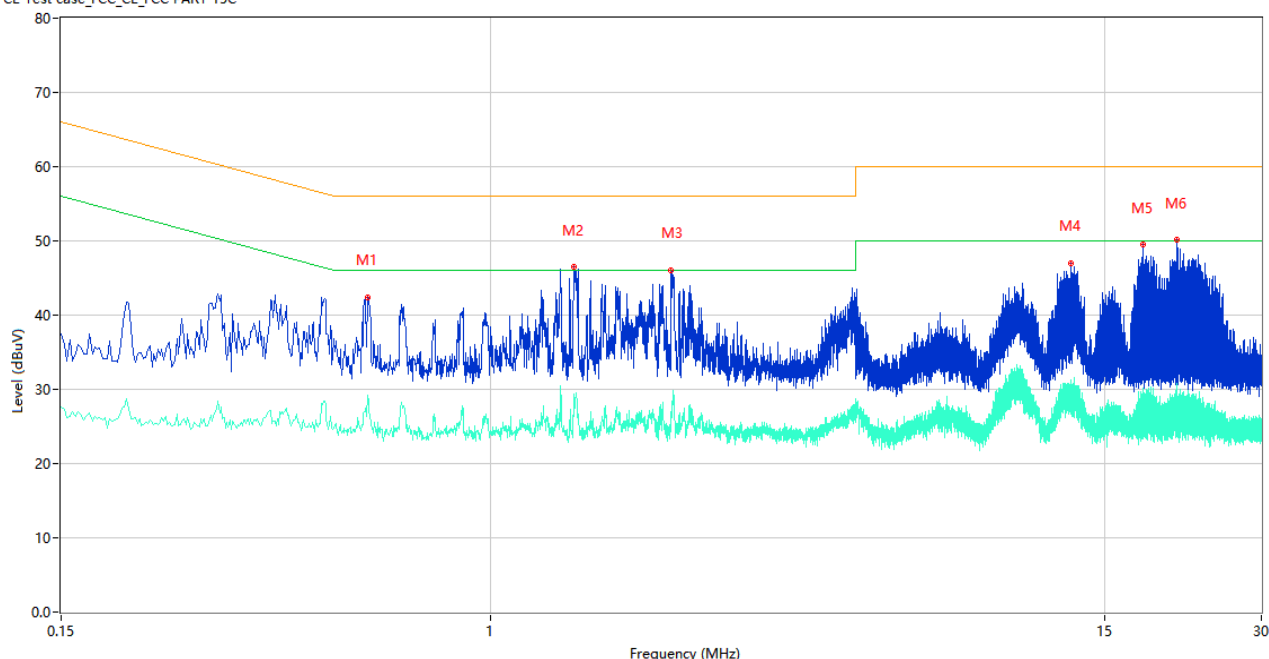
Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

Test Data and Plots

PHASE L

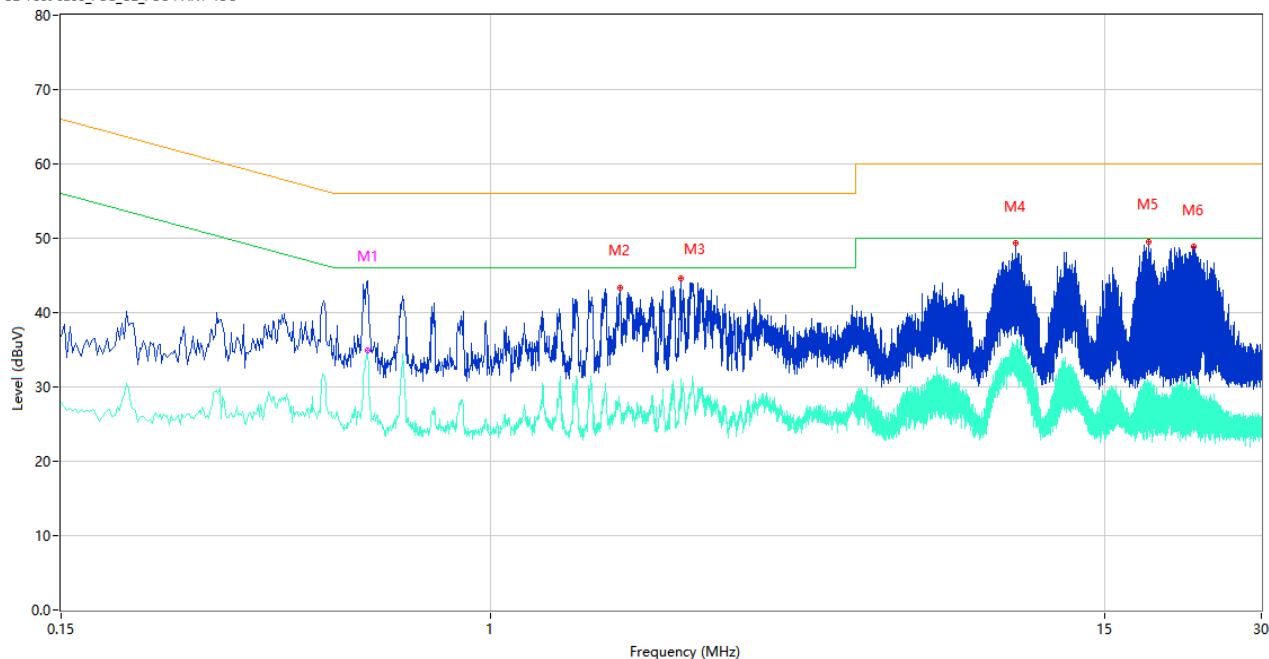
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.580	42.40	10.11	56.00	13.60	Peak	L	Pass
1**	0.580	29.21	10.11	46.00	16.79	AV	L	Pass
2	1.444	46.51	10.03	56.00	9.49	Peak	L	Pass
2**	1.444	27.83	10.03	46.00	18.17	AV	L	Pass
3	2.212	45.99	10.03	56.00	10.01	Peak	L	Pass
3**	2.212	27.01	10.03	46.00	18.99	AV	L	Pass
4	12.924	47.01	10.63	60.00	12.99	Peak	L	Pass
4**	12.924	29.99	10.63	50.00	20.01	AV	L	Pass
5	17.756	49.50	10.70	60.00	10.50	Peak	L	Pass
5**	17.756	29.60	10.70	50.00	20.40	AV	L	Pass
6	20.684	50.15	10.86	60.00	9.85	Peak	L	Pass
6**	20.684	29.56	10.86	50.00	20.44	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.580	44.27	10.11	56.00	11.73	Peak	N	Pass
1**	0.580	34.86	10.11	46.00	11.14	AV	N	Pass
2	1.766	43.39	10.16	56.00	12.61	Peak	N	Pass
2**	1.766	27.79	10.16	46.00	18.21	AV	N	Pass
3	2.318	44.55	10.19	56.00	11.45	Peak	N	Pass
3**	2.318	31.10	10.19	46.00	14.90	AV	N	Pass
4	10.132	49.33	10.18	60.00	10.67	Peak	N	Pass
4**	10.132	35.38	10.18	50.00	14.62	AV	N	Pass
5	18.232	49.58	11.13	60.00	10.42	Peak	N	Pass
5**	18.232	30.69	11.13	50.00	19.31	AV	N	Pass
6	22.274	48.86	11.00	60.00	11.14	Peak	N	Pass
6**	22.274	29.44	11.00	50.00	20.56	AV	N	Pass

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

Note¹: The symbol of “--” in the table which means not application.

Note²: 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.

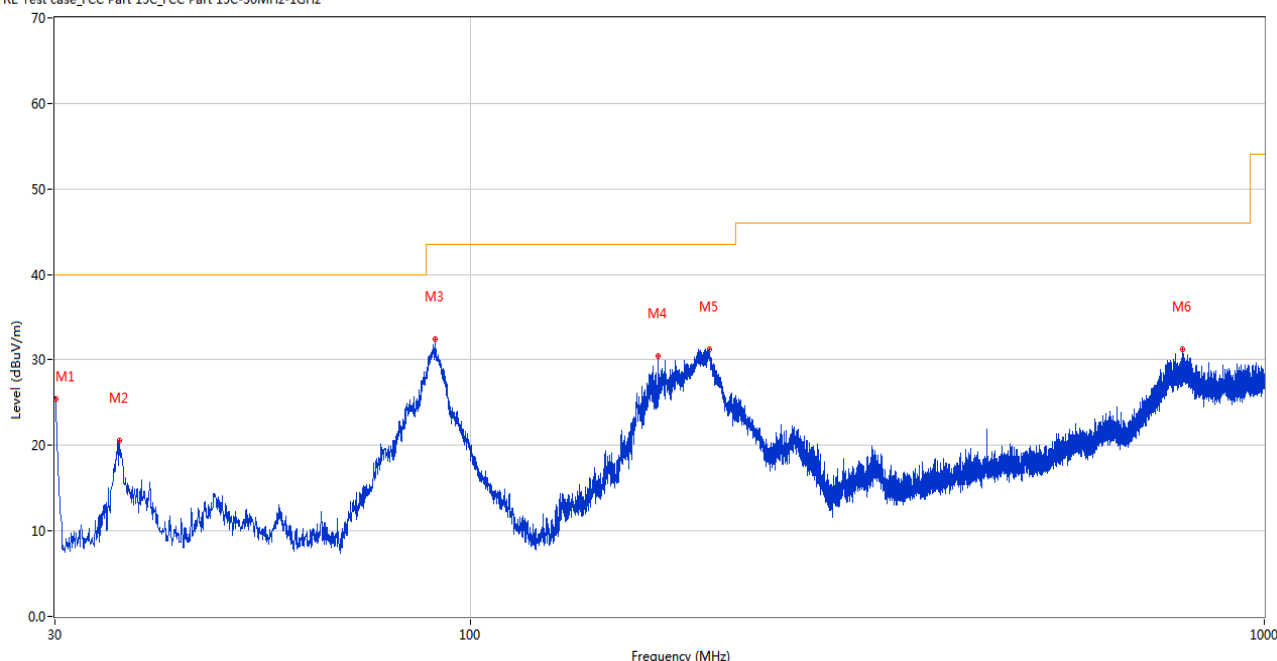
Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note⁴: 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

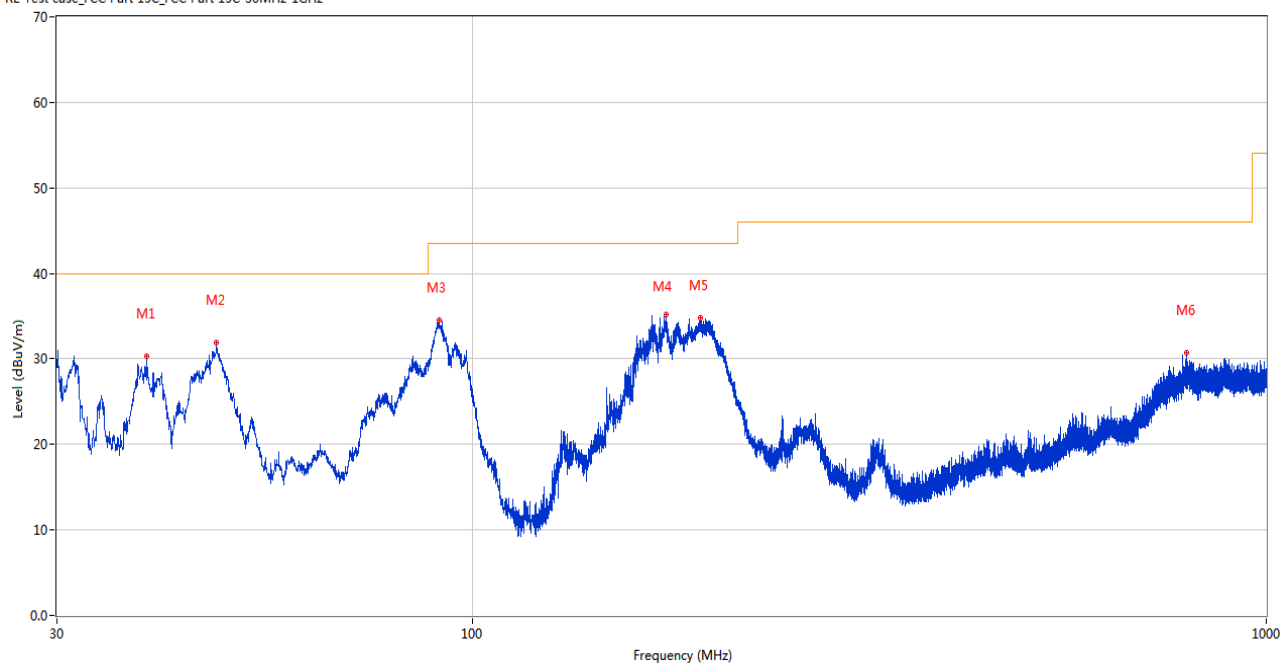
RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	30.049	25.46	-27.72	40.0	14.54	Peak	66.00	100	Horizontal	Pass
2	36.208	20.58	-27.25	40.0	19.42	Peak	221.00	100	Horizontal	Pass
3	90.285	32.46	-30.38	43.5	11.04	Peak	306.00	200	Horizontal	Pass
4	172.542	30.44	-26.01	43.5	13.06	Peak	102.00	200	Horizontal	Pass
5	200.089	31.29	-28.77	43.5	12.21	Peak	290.00	200	Horizontal	Pass
6	789.655	31.26	-12.18	46.0	14.74	Peak	275.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	38.972	30.32	-26.84	40.0	9.68	Peak	78.00	100	Vertical	Pass
2	47.654	31.89	-26.81	40.0	8.11	Peak	0.00	100	Vertical	Pass
3	90.868	34.51	-30.58	43.5	8.99	Peak	272.00	100	Vertical	Pass
4	175.500	35.16	-26.47	43.5	8.34	Peak	0.00	100	Vertical	Pass
5	193.590	34.75	-28.37	43.5	8.75	Peak	88.00	100	Vertical	Pass
6	793.050	30.69	-11.95	46.0	15.31	Peak	252.00	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	1604.900	38.44	74.0	35.56	Peak	360.00	300	Horizontal	Pass
1**	1604.900	29.01	54.0	24.99	AV	360.00	300	Horizontal	Pass
2	4331.750	47.07	74.0	26.93	Peak	212.00	200	Horizontal	Pass
2**	4331.750	37.87	54.0	16.13	AV	212.00	200	Horizontal	Pass
3	5178.750	100.17	--	--	Peak	55.00	150	Horizontal	N/A
3**	5178.750	93.24	--	--	AV	55.00	150	Horizontal	N/A
4	6907.000	53.74	68.2	14.46	Peak	212.00	150	Horizontal	Pass
4**	6907.000	49.18	--	--	AV	212.00	150	Horizontal	N/A
5	12482.099	53.54	74.0	20.46	Peak	308.00	200	Horizontal	Pass
5**	12482.099	44.67	54.0	9.33	AV	308.00	200	Horizontal	Pass
6	15924.150	53.89	74.0	20.11	Peak	291.00	300	Horizontal	Pass
6**	15924.150	43.87	54.0	10.13	AV	291.00	300	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	1435.900	38.85	74.0	35.15	Peak	196.00	200	Vertical	Pass
1**	1435.900	30.36	54.0	23.64	AV	196.00	200	Vertical	Pass
2	4346.000	47.35	74.0	26.65	Peak	94.00	300	Vertical	Pass
2**	4346.000	37.71	54.0	16.29	AV	94.00	300	Vertical	Pass
3	5183.250	98.91	--	--	Peak	310.00	200	Vertical	N/A
3**	5183.250	91.20	--	--	AV	310.00	200	Vertical	N/A
4	7615.250	52.24	74.0	21.76	Peak	290.00	200	Vertical	Pass
4**	7615.250	43.42	54.0	10.58	AV	290.00	200	Vertical	Pass
5	12450.037	53.51	74.0	20.49	Peak	74.00	200	Vertical	Pass
5**	12450.037	44.04	54.0	9.96	AV	74.00	200	Vertical	Pass
6	15891.599	53.73	74.0	20.27	Peak	144.00	300	Vertical	Pass
6**	15891.599	44.20	54.0	9.80	AV	144.00	300	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	1599.800	38.37	74.0	35.63	Peak	181.00	100	Horizontal	Pass
1**	1599.800	28.86	54.0	25.14	AV	181.00	100	Horizontal	Pass
2	4370.250	47.31	74.0	26.69	Peak	111.00	400	Horizontal	Pass
2**	4370.250	37.69	54.0	16.31	AV	111.00	400	Horizontal	Pass
3	5217.500	100.51	--	--	Peak	53.00	200	Horizontal	N/A
3**	5217.500	93.03	--	--	AV	53.00	200	Horizontal	N/A
4	7608.000	52.49	74.0	21.51	Peak	111.00	100	Horizontal	Pass
4**	7608.000	44.30	54.0	9.70	AV	111.00	100	Horizontal	Pass
5	12460.250	53.31	74.0	20.69	Peak	237.00	150	Horizontal	Pass
5**	12460.250	44.32	54.0	9.68	AV	237.00	150	Horizontal	Pass
6	15915.750	53.82	74.0	20.18	Peak	324.00	100	Horizontal	Pass
6**	15915.750	43.89	54.0	10.11	AV	324.00	100	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	1442.900	38.49	74.0	35.51	Peak	177.00	300	Vertical	Pass
1**	1442.900	28.91	54.0	25.09	AV	177.00	300	Vertical	Pass
2	4332.000	47.29	74.0	26.71	Peak	310.00	400	Vertical	Pass
2**	4332.000	37.36	54.0	16.64	AV	310.00	400	Vertical	Pass
3	5218.750	98.09	--	--	Peak	350.00	150	Vertical	N/A
3**	5218.750	90.93	--	--	AV	350.00	150	Vertical	N/A
4	7704.750	52.49	74.0	21.51	Peak	0.00	200	Vertical	Pass
4**	7704.750	43.99	54.0	10.01	AV	0.00	200	Vertical	Pass
5	12519.151	53.00	74.0	21.00	Peak	181.00	200	Vertical	Pass
5**	12519.151	44.31	54.0	9.69	AV	181.00	200	Vertical	Pass
6	16157.513	53.90	74.0	20.10	Peak	11.00	400	Vertical	Pass
6**	16157.513	44.12	54.0	9.88	AV	11.00	400	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	1490.400	38.25	74.0	35.75	Peak	304.00	100	Horizontal	Pass
1**	1490.400	29.01	54.0	24.99	AV	304.00	100	Horizontal	Pass
2	4377.500	46.59	74.0	27.41	Peak	14.00	200	Horizontal	Pass
2**	4377.500	37.17	54.0	16.83	AV	14.00	200	Horizontal	Pass
3	5242.250	99.60	--	--	Peak	54.00	200	Horizontal	N/A
3**	5242.250	91.61	--	--	AV	54.00	200	Horizontal	N/A
4	7524.000	52.85	74.0	21.15	Peak	0.00	200	Horizontal	Pass
4**	7524.000	42.57	54.0	11.43	AV	0.00	200	Horizontal	Pass
5	12418.925	53.08	74.0	20.92	Peak	21.00	200	Horizontal	Pass
5**	12418.925	44.12	54.0	9.88	AV	21.00	200	Horizontal	Pass
6	15640.912	54.23	74.0	19.77	Peak	47.00	100	Horizontal	Pass
6**	15640.912	44.24	54.0	9.76	AV	47.00	100	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	1601.900	38.53	74.0	35.47	Peak	102.00	100	Vertical	Pass
1**	1601.900	28.89	54.0	25.11	AV	102.00	100	Vertical	Pass
2	4319.500	47.04	74.0	26.96	Peak	14.00	300	Vertical	Pass
2**	4319.500	37.72	54.0	16.28	AV	14.00	300	Vertical	Pass
3	5242.500	97.35	--	--	Peak	346.00	100	Vertical	N/A
3**	5242.500	90.09	--	--	AV	346.00	100	Vertical	N/A
4	7584.250	52.64	74.0	21.36	Peak	229.00	100	Vertical	Pass
4**	7584.250	44.18	54.0	9.82	AV	229.00	100	Vertical	Pass
5	12532.213	53.36	74.0	20.64	Peak	217.00	200	Vertical	Pass
5**	12532.213	44.61	54.0	9.39	AV	217.00	200	Vertical	Pass
6	16073.513	54.00	74.0	20.00	Peak	113.00	200	Vertical	Pass
6**	16073.513	44.00	54.0	10.00	AV	113.00	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	1513.700	38.40	74.0	35.60	Peak	55.00	200	Horizontal	Pass
1**	1513.700	28.60	54.0	25.40	AV	55.00	200	Horizontal	Pass
2	4345.750	47.04	74.0	26.96	Peak	360.00	200	Horizontal	Pass
2**	4345.750	37.69	54.0	16.31	AV	360.00	200	Horizontal	Pass
3	5179.250	100.03	--	--	Peak	53.00	150	Horizontal	N/A
3**	5179.250	93.50	--	--	AV	53.00	150	Horizontal	N/A
4	6906.750	54.77	68.2	13.43	Peak	230.00	150	Horizontal	Pass
4**	6906.750	49.93	--	--	AV	230.00	150	Horizontal	N/A
5	12498.487	53.98	74.0	20.02	Peak	286.00	100	Horizontal	Pass
5**	12498.487	44.61	54.0	9.39	AV	286.00	100	Horizontal	Pass
6	15643.800	53.63	74.0	20.37	Peak	92.00	200	Horizontal	Pass
6**	15643.800	43.83	54.0	10.17	AV	92.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.200	39.89	74.0	34.11	Peak	120.00	300	Vertical	Pass
1**	1499.200	28.32	54.0	25.68	AV	120.00	300	Vertical	Pass
2	4367.750	46.96	74.0	27.04	Peak	325.00	300	Vertical	Pass
2**	4367.750	38.83	54.0	15.17	AV	325.00	300	Vertical	Pass
3	5178.500	98.30	--	--	Peak	307.00	150	Vertical	N/A
3**	5178.500	90.65	--	--	AV	307.00	150	Vertical	N/A
4	7600.750	52.82	74.0	21.18	Peak	35.00	300	Vertical	Pass
4**	7600.750	43.25	54.0	10.75	AV	35.00	300	Vertical	Pass
5	12441.962	53.64	74.0	20.36	Peak	26.00	150	Vertical	Pass
5**	12441.962	44.47	54.0	9.53	AV	26.00	150	Vertical	Pass
6	15929.925	54.06	74.0	19.94	Peak	167.00	300	Vertical	Pass
6**	15929.925	44.30	54.0	9.70	AV	167.00	300	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	1442.900	38.50	74.0	35.50	Peak	216.00	300	Horizontal	Pass
1**	1442.900	29.27	54.0	24.73	AV	216.00	300	Horizontal	Pass
2	4332.000	47.49	74.0	26.51	Peak	14.00	300	Horizontal	Pass
2**	4332.000	37.66	54.0	16.34	AV	14.00	300	Horizontal	Pass
3	5217.000	99.54	--	--	Peak	54.00	100	Horizontal	N/A
3**	5217.000	91.78	--	--	AV	54.00	100	Horizontal	N/A
4	7359.000	52.76	74.0	21.24	Peak	130.00	400	Horizontal	Pass
4**	7359.000	43.46	54.0	10.54	AV	130.00	400	Horizontal	Pass
5	12485.425	53.39	74.0	20.61	Peak	337.00	100	Horizontal	Pass
5**	12485.425	44.75	54.0	9.25	AV	337.00	100	Horizontal	Pass
6	16088.738	53.20	74.0	20.80	Peak	281.00	200	Horizontal	Pass
6**	16088.738	44.72	54.0	9.28	AV	281.00	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	1572.700	38.83	74.0	35.17	Peak	121.00	300	Vertical	Pass
1**	1572.700	28.68	54.0	25.32	AV	121.00	300	Vertical	Pass
2	4184.750	46.81	74.0	27.19	Peak	307.00	100	Vertical	Pass
2**	4184.750	37.62	54.0	16.38	AV	307.00	100	Vertical	Pass
3	5218.500	98.30	--	--	Peak	346.00	150	Vertical	N/A
3**	5218.500	90.26	--	--	AV	346.00	150	Vertical	N/A
4	7591.750	52.78	74.0	21.22	Peak	191.00	400	Vertical	Pass
4**	7591.750	43.87	54.0	10.13	AV	191.00	400	Vertical	Pass
5	12474.500	53.86	74.0	20.14	Peak	307.00	150	Vertical	Pass
5**	12474.500	44.39	54.0	9.61	AV	307.00	150	Vertical	Pass
6	16117.349	54.17	74.0	19.83	Peak	249.00	200	Vertical	Pass
6**	16117.349	44.71	54.0	9.29	AV	249.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.500	38.44	74.0	35.56	Peak	155.00	300	Horizontal	Pass
1**	1512.500	29.22	54.0	24.78	AV	155.00	300	Horizontal	Pass
2	4359.750	46.83	74.0	27.17	Peak	360.00	200	Horizontal	Pass
2**	4359.750	38.40	54.0	15.60	AV	360.00	200	Horizontal	Pass
3	5242.000	98.83	--	--	Peak	53.00	200	Horizontal	N/A
3**	5242.000	91.11	--	--	AV	53.00	200	Horizontal	N/A
4	7488.000	52.80	74.0	21.20	Peak	268.00	200	Horizontal	Pass
4**	7488.000	44.14	54.0	9.86	AV	268.00	200	Horizontal	Pass
5	12487.326	54.55	74.0	19.45	Peak	60.00	200	Horizontal	Pass
5**	12487.326	43.87	54.0	10.13	AV	60.00	200	Horizontal	Pass
6	15631.200	53.38	74.0	20.62	Peak	234.00	300	Horizontal	Pass
6**	15631.200	43.77	54.0	10.23	AV	234.00	300	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	1613.400	39.03	74.0	34.97	Peak	154.00	100	Vertical	Pass
1**	1613.400	31.81	54.0	22.19	AV	154.00	100	Vertical	Pass
2	4285.500	47.28	74.0	26.72	Peak	14.00	400	Vertical	Pass
2**	4285.500	37.81	54.0	16.19	AV	14.00	400	Vertical	Pass
3	5241.500	97.66	--	--	Peak	346.00	100	Vertical	N/A
3**	5241.500	90.04	--	--	AV	346.00	100	Vertical	N/A
4	7685.750	52.89	74.0	21.11	Peak	346.00	400	Vertical	Pass
4**	7685.750	43.77	54.0	10.23	AV	346.00	400	Vertical	Pass
5	12476.875	53.51	74.0	20.49	Peak	344.00	200	Vertical	Pass
5**	12476.875	44.31	54.0	9.69	AV	344.00	200	Vertical	Pass
6	16155.150	53.99	74.0	20.01	Peak	91.00	200	Vertical	Pass
6**	16155.150	43.71	54.0	10.29	AV	91.00	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	1531.200	37.58	74.0	36.42	Peak	179.00	400	Horizontal	Pass
1**	1531.200	29.25	54.0	24.75	AV	179.00	400	Horizontal	Pass
2	4250.250	48.32	74.0	25.68	Peak	288.00	100	Horizontal	Pass
2**	4250.250	37.88	54.0	16.12	AV	288.00	100	Horizontal	Pass
3	5183.250	92.47	--	--	Peak	53.00	100	Horizontal	N/A
3**	5183.250	85.02	--	--	AV	53.00	100	Horizontal	N/A
4	7606.500	53.08	74.0	20.92	Peak	230.00	100	Horizontal	Pass
4**	7606.500	43.64	54.0	10.36	AV	230.00	100	Horizontal	Pass
5	12456.212	53.72	74.0	20.28	Peak	155.00	150	Horizontal	Pass
5**	12456.212	44.29	54.0	9.71	AV	155.00	150	Horizontal	Pass
6	15895.012	53.02	74.0	20.98	Peak	26.00	200	Horizontal	Pass
6**	15895.012	44.15	54.0	9.85	AV	26.00	200	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	1584.600	38.20	74.0	35.80	Peak	40.00	100	Vertical	Pass
1**	1584.600	28.40	54.0	25.60	AV	40.00	100	Vertical	Pass
2	4367.750	47.49	74.0	26.51	Peak	229.00	300	Vertical	Pass
2**	4367.750	38.41	54.0	15.59	AV	229.00	300	Vertical	Pass
3	5186.250	91.08	--	--	Peak	327.00	150	Vertical	N/A
3**	5186.250	82.58	--	--	AV	327.00	150	Vertical	N/A
4	7312.750	53.44	74.0	20.56	Peak	190.00	400	Vertical	Pass
4**	7312.750	43.05	54.0	10.95	AV	190.00	400	Vertical	Pass
5	12508.225	53.45	74.0	20.55	Peak	212.00	100	Vertical	Pass
5**	12508.225	44.78	54.0	9.22	AV	212.00	100	Vertical	Pass
6	15907.350	53.79	74.0	20.21	Peak	288.00	150	Vertical	Pass
6**	15907.350	44.71	54.0	9.29	AV	288.00	150	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	1604.800	38.03	74.0	35.97	Peak	0.00	200	Horizontal	Pass
1**	1604.800	29.79	54.0	24.21	AV	0.00	200	Horizontal	Pass
2	4162.750	47.08	74.0	26.92	Peak	229.00	300	Horizontal	Pass
2**	4162.750	36.90	54.0	17.10	AV	229.00	300	Horizontal	Pass
3	5230.500	91.81	--	--	Peak	53.00	150	Horizontal	N/A
3**	5230.500	79.48	--	--	AV	53.00	150	Horizontal	N/A
4	7711.750	53.10	74.0	20.90	Peak	249.00	400	Horizontal	Pass
4**	7711.750	43.77	54.0	10.23	AV	249.00	400	Horizontal	Pass
5	12465.000	53.43	74.0	20.57	Peak	94.00	200	Horizontal	Pass
5**	12465.000	44.74	54.0	9.26	AV	94.00	200	Horizontal	Pass
6	16103.963	54.00	74.0	20.00	Peak	314.00	300	Horizontal	Pass
6**	16103.963	44.69	54.0	9.31	AV	314.00	300	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	1457.000	38.33	74.0	35.67	Peak	140.00	200	Vertical	Pass
1**	1457.000	29.39	54.0	24.61	AV	140.00	200	Vertical	Pass
2	4234.250	46.71	74.0	27.29	Peak	231.00	200	Vertical	Pass
2**	4234.250	37.54	54.0	16.46	AV	231.00	200	Vertical	Pass
3	5234.250	90.17	--	--	Peak	348.00	150	Vertical	N/A
3**	5234.250	82.48	--	--	AV	348.00	150	Vertical	N/A
4	7606.750	52.89	74.0	21.11	Peak	0.00	300	Vertical	Pass
4**	7606.750	44.95	54.0	9.05	AV	0.00	300	Vertical	Pass
5	12448.375	52.98	74.0	21.02	Peak	213.00	150	Vertical	Pass
5**	12448.375	44.92	54.0	9.08	AV	213.00	150	Vertical	Pass
6	15783.713	53.71	74.0	20.29	Peak	42.00	400	Vertical	Pass
6**	15783.713	43.33	54.0	10.67	AV	42.00	400	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	1595.600	38.26	74.0	35.74	Peak	27.00	300	Horizontal	Pass
1**	1595.600	29.02	54.0	24.98	AV	27.00	300	Horizontal	Pass
2	4315.250	47.43	74.0	26.57	Peak	33.00	200	Horizontal	Pass
2**	4315.250	38.11	54.0	15.89	AV	33.00	200	Horizontal	Pass
3	5178.000	94.27	--	--	Peak	54.00	150	Horizontal	N/A
3**	5178.000	87.48	--	--	AV	54.00	150	Horizontal	N/A
4	7589.750	52.62	74.0	21.38	Peak	360.00	300	Horizontal	Pass
4**	7589.750	43.98	54.0	10.02	AV	360.00	300	Horizontal	Pass
5	12491.125	53.43	74.0	20.57	Peak	193.00	200	Horizontal	Pass
5**	12491.125	44.18	54.0	9.82	AV	193.00	200	Horizontal	Pass
6	16081.651	53.03	74.0	20.97	Peak	33.00	300	Horizontal	Pass
6**	16081.651	44.09	54.0	9.91	AV	33.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1457.000	48.21	74.0	25.79	Peak	360.00	200	Vertical	Pass
1**	1457.000	28.35	54.0	25.65	AV	360.00	200	Vertical	Pass
2	4366.750	47.12	74.0	26.88	Peak	197.00	200	Vertical	Pass
2**	4366.750	37.72	54.0	16.28	AV	197.00	200	Vertical	Pass
3	5181.500	92.56	--	--	Peak	317.00	200	Vertical	N/A
3**	5181.500	85.16	--	--	AV	317.00	200	Vertical	N/A
4	7656.500	52.41	74.0	21.59	Peak	16.00	200	Vertical	Pass
4**	7656.500	43.29	54.0	10.71	AV	16.00	200	Vertical	Pass
5	12476.162	53.03	74.0	20.97	Peak	286.00	200	Vertical	Pass
5**	12476.162	44.46	54.0	9.54	AV	286.00	200	Vertical	Pass
6	15898.424	53.46	74.0	20.54	Peak	77.00	200	Vertical	Pass
6**	15898.424	44.65	54.0	9.35	AV	77.00	200	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	1605.000	38.24	74.0	35.76	Peak	360.00	300	Horizontal	Pass
1**	1605.000	29.89	54.0	24.11	AV	360.00	300	Horizontal	Pass
2	4359.000	47.45	74.0	26.55	Peak	171.00	300	Horizontal	Pass
2**	4359.000	38.10	54.0	15.90	AV	171.00	300	Horizontal	Pass
3	5218.250	95.41	--	--	Peak	55.00	150	Horizontal	N/A
3**	5218.250	88.21	--	--	AV	55.00	150	Horizontal	N/A
4	7599.250	52.62	74.0	21.38	Peak	360.00	300	Horizontal	Pass
4**	7599.250	43.74	54.0	10.26	AV	360.00	300	Horizontal	Pass
5	12466.187	53.96	74.0	20.04	Peak	358.00	150	Horizontal	Pass
5**	12466.187	43.92	54.0	10.08	AV	358.00	150	Horizontal	Pass
6	16140.450	53.99	74.0	20.01	Peak	197.00	200	Horizontal	Pass
6**	16140.450	44.43	54.0	9.57	AV	197.00	200	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	1574.600	38.96	74.0	35.04	Peak	176.00	100	Vertical	Pass
1**	1574.600	29.00	54.0	25.00	AV	176.00	100	Vertical	Pass
2	4294.250	47.00	74.0	27.00	Peak	113.00	200	Vertical	Pass
2**	4294.250	38.20	54.0	15.80	AV	113.00	200	Vertical	Pass
3	5223.250	92.57	--	--	Peak	348.00	100	Vertical	N/A
3**	5223.250	84.80	--	--	AV	348.00	100	Vertical	N/A
4	7613.500	52.73	74.0	21.27	Peak	192.00	400	Vertical	Pass
4**	7613.500	43.19	54.0	10.81	AV	192.00	400	Vertical	Pass
5	12525.563	53.17	74.0	20.83	Peak	43.00	100	Vertical	Pass
5**	12525.563	44.25	54.0	9.75	AV	43.00	100	Vertical	Pass
6	15698.662	53.26	74.0	20.74	Peak	0.00	100	Vertical	Pass
6**	15698.662	44.09	54.0	9.91	AV	0.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1598.000	38.60	74.0	35.40	Peak	256.00	100	Horizontal	Pass
1**	1598.000	29.49	54.0	24.51	AV	256.00	100	Horizontal	Pass
2	4192.250	47.05	74.0	26.95	Peak	173.00	300	Horizontal	Pass
2**	4192.250	38.51	54.0	15.49	AV	173.00	300	Horizontal	Pass
3	5241.250	93.36	--	--	Peak	55.00	100	Horizontal	N/A
3**	5241.250	86.12	--	--	AV	55.00	100	Horizontal	N/A
4	7423.000	52.62	74.0	21.38	Peak	329.00	300	Horizontal	Pass
4**	7423.000	43.24	54.0	10.76	AV	329.00	300	Horizontal	Pass
5	12499.675	53.56	74.0	20.44	Peak	0.00	150	Horizontal	Pass
5**	12499.675	44.40	54.0	9.60	AV	0.00	150	Horizontal	Pass
6	16150.425	54.00	74.0	20.00	Peak	88.00	100	Horizontal	Pass
6**	16150.425	43.93	54.0	10.07	AV	88.00	100	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	1471.600	38.44	74.0	35.56	Peak	135.00	400	Vertical	Pass
1**	1471.600	28.82	54.0	25.18	AV	135.00	400	Vertical	Pass
2	4366.000	47.06	74.0	26.94	Peak	35.00	100	Vertical	Pass
2**	4366.000	37.58	54.0	16.42	AV	35.00	100	Vertical	Pass
3	5243.500	92.13	--	--	Peak	353.00	200	Vertical	N/A
3**	5243.500	83.95	--	--	AV	353.00	200	Vertical	N/A
4	7486.000	52.82	74.0	21.18	Peak	154.00	100	Vertical	Pass
4**	7486.000	43.53	54.0	10.47	AV	154.00	100	Vertical	Pass
5	12515.112	53.57	74.0	20.43	Peak	148.00	150	Vertical	Pass
5**	12515.112	44.04	54.0	9.96	AV	148.00	150	Vertical	Pass
6	16100.550	53.46	74.0	20.54	Peak	88.00	400	Vertical	Pass
6**	16100.550	45.52	54.0	8.48	AV	88.00	400	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	1609.000	38.27	74.0	35.73	Peak	311.00	100	Horizontal	Pass
1**	1609.000	28.74	54.0	25.26	AV	311.00	100	Horizontal	Pass
2	4256.250	47.15	74.0	26.85	Peak	360.00	200	Horizontal	Pass
2**	4256.250	37.52	54.0	16.48	AV	360.00	200	Horizontal	Pass
3	5191.500	92.26	--	--	Peak	53.00	200	Horizontal	N/A
3**	5191.500	84.35	--	--	AV	53.00	200	Horizontal	N/A
4	7505.750	52.44	74.0	21.56	Peak	309.00	300	Horizontal	Pass
4**	7505.750	41.86	54.0	12.14	AV	309.00	300	Horizontal	Pass
5	12496.113	53.21	74.0	20.79	Peak	177.00	200	Horizontal	Pass
5**	12496.113	44.15	54.0	9.85	AV	177.00	200	Horizontal	Pass
6	16055.925	53.39	74.0	20.61	Peak	221.00	400	Horizontal	Pass
6**	16055.925	43.73	54.0	10.27	AV	221.00	400	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	1499.600	39.07	74.0	34.93	Peak	124.00	100	Vertical	Pass
1**	1499.600	29.05	54.0	24.95	AV	124.00	100	Vertical	Pass
2	4197.000	46.91	74.0	27.09	Peak	229.00	100	Vertical	Pass
2**	4197.000	37.96	54.0	16.04	AV	229.00	100	Vertical	Pass
3	5192.000	90.16	--	--	Peak	328.00	150	Vertical	N/A
3**	5192.000	82.69	--	--	AV	328.00	150	Vertical	N/A
4	7620.500	53.17	74.0	20.83	Peak	190.00	100	Vertical	Pass
4**	7620.500	43.76	54.0	10.24	AV	190.00	100	Vertical	Pass
5	12517.963	53.23	74.0	20.77	Peak	19.00	150	Vertical	Pass
5**	12517.963	44.18	54.0	9.82	AV	19.00	150	Vertical	Pass
6	15822.037	53.39	74.0	20.61	Peak	11.00	200	Vertical	Pass
6**	15822.037	43.05	54.0	10.95	AV	11.00	200	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	1453.000	37.96	74.0	36.04	Peak	192.00	200	Horizontal	Pass
1**	1453.000	28.33	54.0	25.67	AV	192.00	200	Horizontal	Pass
2	3953.500	46.90	74.0	27.10	Peak	305.00	400	Horizontal	Pass
2**	3953.500	37.34	54.0	16.66	AV	305.00	400	Horizontal	Pass
3	5221.000	92.55	--	--	Peak	32.00	200	Horizontal	N/A
3**	5221.000	85.09	--	--	AV	32.00	200	Horizontal	N/A
4	7323.750	52.97	74.0	21.03	Peak	111.00	100	Horizontal	Pass
4**	7323.750	42.79	54.0	11.21	AV	111.00	100	Horizontal	Pass
5	12393.037	53.13	74.0	20.87	Peak	233.00	150	Horizontal	Pass
5**	12393.037	42.91	54.0	11.09	AV	233.00	150	Horizontal	Pass
6	15886.349	53.74	74.0	20.26	Peak	63.00	100	Horizontal	Pass
6**	15886.349	44.19	54.0	9.81	AV	63.00	100	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	1490.800	39.19	74.0	34.81	Peak	131.00	300	Vertical	Pass
1**	1490.800	29.25	54.0	24.75	AV	131.00	300	Vertical	Pass
2	4394.750	47.02	74.0	26.98	Peak	360.00	200	Vertical	Pass
2**	4394.750	38.83	54.0	15.17	AV	360.00	200	Vertical	Pass
3	5234.250	90.63	--	--	Peak	325.00	200	Vertical	N/A
3**	5234.250	83.45	--	--	AV	325.00	200	Vertical	N/A
4	7423.500	52.97	74.0	21.03	Peak	150.00	400	Vertical	Pass
4**	7423.500	42.81	54.0	11.19	AV	150.00	400	Vertical	Pass
5	12470.700	53.56	74.0	20.44	Peak	161.00	150	Vertical	Pass
5**	12470.700	43.87	54.0	10.13	AV	161.00	150	Vertical	Pass
6	16164.862	53.84	74.0	20.16	Peak	138.00	300	Vertical	Pass
6**	16164.862	44.56	54.0	9.44	AV	138.00	300	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	1604.900	38.35	74.0	35.65	Peak	87.00	300	Horizontal	Pass
1**	1604.900	30.17	54.0	23.83	AV	87.00	300	Horizontal	Pass
2	4309.250	46.88	74.0	27.12	Peak	164.00	300	Horizontal	Pass
2**	4309.250	38.07	54.0	15.93	AV	164.00	300	Horizontal	Pass
3	5183.500	89.80	--	--	Peak	46.00	200	Horizontal	N/A
3**	5183.500	80.79	--	--	AV	46.00	200	Horizontal	N/A
4	7495.750	53.11	74.0	20.89	Peak	184.00	400	Horizontal	Pass
4**	7495.750	42.84	54.0	11.16	AV	184.00	400	Horizontal	Pass
5	12501.338	53.04	74.0	20.96	Peak	45.00	100	Horizontal	Pass
5**	12501.338	44.19	54.0	9.81	AV	45.00	100	Horizontal	Pass
6	16146.224	53.89	74.0	20.11	Peak	138.00	100	Horizontal	Pass
6**	16146.224	44.46	54.0	9.54	AV	138.00	100	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	1602.100	39.01	74.0	34.99	Peak	138.00	100	Vertical	Pass
1**	1602.100	28.97	54.0	25.03	AV	138.00	100	Vertical	Pass
2	4320.500	47.02	74.0	26.98	Peak	148.00	100	Vertical	Pass
2**	4320.500	37.62	54.0	16.38	AV	148.00	100	Vertical	Pass
3	5209.500	88.40	--	--	Peak	325.00	150	Vertical	N/A
3**	5209.500	78.79	--	--	AV	325.00	150	Vertical	N/A
4	7595.750	52.65	74.0	21.35	Peak	208.00	200	Vertical	Pass
4**	7595.750	43.56	54.0	10.44	AV	208.00	200	Vertical	Pass
5	12466.900	53.20	74.0	20.80	Peak	147.00	200	Vertical	Pass
5**	12466.900	44.40	54.0	9.60	AV	147.00	200	Vertical	Pass
6	16097.662	54.00	74.0	20.00	Peak	360.00	300	Vertical	Pass
6**	16097.662	43.91	54.0	10.09	AV	360.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1592.800	39.03	74.0	34.97	Peak	320.00	200	Horizontal	Pass
1**	1592.800	28.59	54.0	25.41	AV	320.00	200	Horizontal	Pass
2	4283.500	46.93	74.0	27.07	Peak	31.00	300	Horizontal	Pass
2**	4283.500	38.19	54.0	15.81	AV	31.00	300	Horizontal	Pass
3	5496.000	100.18	--	--	Peak	227.00	200	Horizontal	N/A
3**	5496.000	91.90	--	--	AV	227.00	200	Horizontal	N/A
4	7704.250	53.00	74.0	21.00	Peak	10.00	200	Horizontal	Pass
4**	7704.250	43.29	54.0	10.71	AV	10.00	200	Horizontal	Pass
5	12393.987	53.28	74.0	20.72	Peak	60.00	100	Horizontal	Pass
5**	12393.987	43.43	54.0	10.57	AV	60.00	100	Horizontal	Pass
6	16135.463	53.91	74.0	20.09	Peak	244.00	200	Horizontal	Pass
6**	16135.463	44.38	54.0	9.62	AV	244.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.200	39.40	74.0	34.60	Peak	129.00	200	Vertical	Pass
1**	1499.200	29.39	54.0	24.61	AV	129.00	200	Vertical	Pass
2	4225.000	46.98	74.0	27.02	Peak	31.00	300	Vertical	Pass
2**	4225.000	37.62	54.0	16.38	AV	31.00	300	Vertical	Pass
3	5497.000	100.50	--	--	Peak	307.00	200	Vertical	N/A
3**	5497.000	92.50	--	--	AV	307.00	200	Vertical	N/A
4	7317.000	52.44	74.0	21.56	Peak	307.00	200	Vertical	Pass
4**	7317.000	43.21	54.0	10.79	AV	307.00	200	Vertical	Pass
5	12539.099	53.12	74.0	20.88	Peak	342.00	200	Vertical	Pass
5**	12539.099	43.94	54.0	10.06	AV	342.00	200	Vertical	Pass
6	15661.125	53.77	74.0	20.23	Peak	349.00	200	Vertical	Pass
6**	15661.125	43.69	54.0	10.31	AV	349.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1520.900	38.26	74.0	35.74	Peak	159.00	200	Horizontal	Pass
1**	1520.900	28.27	54.0	25.73	AV	159.00	200	Horizontal	Pass
2	4335.750	47.35	74.0	26.65	Peak	286.00	300	Horizontal	Pass
2**	4335.750	39.21	54.0	14.79	AV	286.00	300	Horizontal	Pass
3	5583.000	100.45	--	--	Peak	191.00	100	Horizontal	N/A
3**	5583.000	92.81	--	--	AV	191.00	100	Horizontal	N/A
4	7597.250	52.67	74.0	21.33	Peak	32.00	200	Horizontal	Pass
4**	7597.250	43.34	54.0	10.66	AV	32.00	200	Horizontal	Pass
5	12518.200	53.97	74.0	20.03	Peak	38.00	200	Horizontal	Pass
5**	12518.200	44.05	54.0	9.95	AV	38.00	200	Horizontal	Pass
6	16099.763	53.66	74.0	20.34	Peak	221.00	100	Horizontal	Pass
6**	16099.763	44.58	54.0	9.42	AV	221.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.800	38.71	74.0	35.29	Peak	56.00	200	Horizontal	Pass
1**	1496.800	28.50	54.0	25.50	AV	56.00	200	Horizontal	Pass
2	4196.000	46.63	74.0	27.37	Peak	28.00	400	Horizontal	Pass
2**	4196.000	37.10	54.0	16.90	AV	28.00	400	Horizontal	Pass
3	5582.250	100.12	--	--	Peak	187.00	150	Horizontal	N/A
3**	5582.250	92.68	--	--	AV	187.00	150	Horizontal	N/A
4	7480.000	53.24	74.0	20.76	Peak	107.00	200	Horizontal	Pass
4**	7480.000	43.12	54.0	10.88	AV	107.00	200	Horizontal	Pass
5	12477.587	54.06	74.0	19.94	Peak	219.00	150	Horizontal	Pass
5**	12477.587	44.53	54.0	9.47	AV	219.00	150	Horizontal	Pass
6	16137.300	53.67	74.0	20.33	Peak	169.00	400	Horizontal	Pass
6**	16137.300	45.43	54.0	8.57	AV	169.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1563.800	38.20	74.0	35.80	Peak	32.00	300	Horizontal	Pass
1**	1563.800	28.38	54.0	25.62	AV	32.00	300	Horizontal	Pass
2	3799.750	48.85	74.0	25.15	Peak	139.00	200	Horizontal	Pass
2**	3799.750	43.80	54.0	10.20	AV	139.00	200	Horizontal	Pass
3	5697.250	100.99	--	--	Peak	182.00	100	Horizontal	N/A
3**	5697.250	93.82	--	--	AV	182.00	100	Horizontal	N/A
4	7598.500	53.86	74.0	20.14	Peak	80.00	300	Horizontal	Pass
4**	7598.500	43.53	54.0	10.47	AV	80.00	300	Horizontal	Pass
5	12458.112	54.12	74.0	19.88	Peak	234.00	100	Horizontal	Pass
5**	12458.112	44.08	54.0	9.92	AV	234.00	100	Horizontal	Pass
6	16089.263	53.50	74.0	20.50	Peak	290.00	200	Horizontal	Pass
6**	16089.263	44.25	54.0	9.75	AV	290.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1592.900	39.85	74.0	34.15	Peak	156.00	200	Vertical	Pass
1**	1592.900	29.43	54.0	24.57	AV	156.00	200	Vertical	Pass
2	4368.250	47.55	74.0	26.45	Peak	130.00	200	Vertical	Pass
2**	4368.250	37.97	54.0	16.03	AV	130.00	200	Vertical	Pass
3	5703.250	98.94	--	--	Peak	325.00	150	Vertical	N/A
3**	5703.250	91.00	--	--	AV	325.00	150	Vertical	N/A
4	7420.250	53.07	74.0	20.93	Peak	286.00	300	Vertical	Pass
4**	7420.250	44.02	54.0	9.98	AV	286.00	300	Vertical	Pass
5	12494.925	53.39	74.0	20.61	Peak	292.00	200	Vertical	Pass
5**	12494.925	43.81	54.0	10.19	AV	292.00	200	Vertical	Pass
6	16094.513	53.98	74.0	20.02	Peak	239.00	200	Vertical	Pass
6**	16094.513	44.41	54.0	9.59	AV	239.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1463.300	39.32	74.0	34.68	Peak	167.00	200	Horizontal	Pass
1**	1463.300	28.03	54.0	25.97	AV	167.00	200	Horizontal	Pass
2	4323.750	46.85	74.0	27.15	Peak	188.00	300	Horizontal	Pass
2**	4323.750	37.30	54.0	16.70	AV	188.00	300	Horizontal	Pass
3	5496.500	100.56	--	--	Peak	188.00	100	Horizontal	N/A
3**	5496.500	92.86	--	--	AV	188.00	100	Horizontal	N/A
4	7428.500	52.76	74.0	21.24	Peak	70.00	200	Horizontal	Pass
4**	7428.500	42.98	54.0	11.02	AV	70.00	200	Horizontal	Pass
5	12453.363	53.00	74.0	21.00	Peak	25.00	100	Horizontal	Pass
5**	12453.363	43.64	54.0	10.36	AV	25.00	100	Horizontal	Pass
6	15903.150	54.09	74.0	19.91	Peak	259.00	300	Horizontal	Pass
6**	15903.150	44.41	54.0	9.59	AV	259.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.700	38.20	74.0	35.80	Peak	145.00	100	Vertical	Pass
1**	1442.700	28.79	54.0	25.21	AV	145.00	100	Vertical	Pass
2	4350.750	46.61	74.0	27.39	Peak	360.00	300	Vertical	Pass
2**	4350.750	37.48	54.0	16.52	AV	360.00	300	Vertical	Pass
3	5497.250	99.33	--	--	Peak	324.00	150	Vertical	N/A
3**	5497.250	91.69	--	--	AV	324.00	150	Vertical	N/A
4	7615.500	52.73	74.0	21.27	Peak	324.00	300	Vertical	Pass
4**	7615.500	43.75	54.0	10.25	AV	324.00	300	Vertical	Pass
5	12486.612	53.30	74.0	20.70	Peak	227.00	100	Vertical	Pass
5**	12486.612	43.91	54.0	10.09	AV	227.00	100	Vertical	Pass
6	15673.987	53.90	74.0	20.10	Peak	296.00	400	Vertical	Pass
6**	15673.987	43.86	54.0	10.14	AV	296.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1481.900	38.10	74.0	35.90	Peak	156.00	100	Horizontal	Pass
1**	1481.900	28.01	54.0	25.99	AV	156.00	100	Horizontal	Pass
2	4334.000	47.01	74.0	26.99	Peak	170.00	400	Horizontal	Pass
2**	4334.000	38.17	54.0	15.83	AV	170.00	400	Horizontal	Pass
3	5578.000	100.13	--	--	Peak	189.00	100	Horizontal	N/A
3**	5578.000	93.48	--	--	AV	189.00	100	Horizontal	N/A
4	7359.000	52.56	74.0	21.44	Peak	305.00	300	Horizontal	Pass
4**	7359.000	43.06	54.0	10.94	AV	305.00	300	Horizontal	Pass
5	12436.500	53.43	74.0	20.57	Peak	248.00	200	Horizontal	Pass
5**	12436.500	44.88	54.0	9.12	AV	248.00	200	Horizontal	Pass
6	16085.325	53.82	74.0	20.18	Peak	78.00	400	Horizontal	Pass
6**	16085.325	44.66	54.0	9.34	AV	78.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1444.000	38.46	74.0	35.54	Peak	100.00	200	Vertical	Pass
1**	1444.000	28.26	54.0	25.74	AV	100.00	200	Vertical	Pass
2	4208.250	46.59	74.0	27.41	Peak	305.00	200	Vertical	Pass
2**	4208.250	37.16	54.0	16.84	AV	305.00	200	Vertical	Pass
3	5579.250	100.06	--	--	Peak	325.00	100	Vertical	N/A
3**	5579.250	91.97	--	--	AV	325.00	100	Vertical	N/A
4	7624.000	52.77	74.0	21.23	Peak	104.00	300	Vertical	Pass
4**	7624.000	43.40	54.0	10.60	AV	104.00	300	Vertical	Pass
5	12480.912	53.88	74.0	20.12	Peak	176.00	200	Vertical	Pass
5**	12480.912	44.07	54.0	9.93	AV	176.00	200	Vertical	Pass
6	15930.974	53.44	74.0	20.56	Peak	126.00	200	Vertical	Pass
6**	15930.974	43.67	54.0	10.33	AV	126.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1621.000	37.88	74.0	36.12	Peak	202.00	200	Horizontal	Pass
1**	1621.000	28.68	54.0	25.32	AV	202.00	200	Horizontal	Pass
2	3800.000	48.87	74.0	25.13	Peak	126.00	300	Horizontal	Pass
2**	3800.000	45.48	54.0	8.52	AV	126.00	300	Horizontal	Pass
3	5699.000	101.50	--	--	Peak	186.00	100	Horizontal	N/A
3**	5699.000	93.98	--	--	AV	186.00	100	Horizontal	N/A
4	7588.500	52.50	74.0	21.50	Peak	108.00	200	Horizontal	Pass
4**	7588.500	43.84	54.0	10.16	AV	108.00	200	Horizontal	Pass
5	12486.612	53.46	74.0	20.54	Peak	25.00	100	Horizontal	Pass
5**	12486.612	43.63	54.0	10.37	AV	25.00	100	Horizontal	Pass
6	15716.775	53.84	74.0	20.16	Peak	360.00	100	Horizontal	Pass
6**	15716.775	43.95	54.0	10.05	AV	360.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.100	39.29	74.0	34.71	Peak	165.00	400	Vertical	Pass
1**	1439.100	30.24	54.0	23.76	AV	165.00	400	Vertical	Pass
2	4335.750	47.04	74.0	26.96	Peak	111.00	300	Vertical	Pass
2**	4335.750	37.56	54.0	16.44	AV	111.00	300	Vertical	Pass
3	5695.750	98.59	--	226.41	Peak	325.00	150	Vertical	N/A
3**	5695.750	91.26	--	-91.26	AV	325.00	150	Vertical	N/A
4	7626.500	53.11	74.0	20.89	Peak	111.00	100	Vertical	Pass
4**	7626.500	44.18	54.0	9.82	AV	111.00	100	Vertical	Pass
5	12478.063	53.45	74.0	20.55	Peak	52.00	100	Vertical	Pass
5**	12478.063	44.46	54.0	9.54	AV	52.00	100	Vertical	Pass
6	16101.338	53.50	74.0	20.50	Peak	261.00	300	Vertical	Pass
6**	16101.338	44.50	54.0	9.50	AV	261.00	300	Vertical	Pass

11n40, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1575.000	38.20	74.0	35.80	Peak	223.00	300	Horizontal	Pass
1**	1575.000	28.78	54.0	25.22	AV	223.00	300	Horizontal	Pass
2	4283.500	46.96	74.0	27.04	Peak	128.00	400	Horizontal	Pass
2**	4283.500	36.93	54.0	17.07	AV	128.00	400	Horizontal	Pass
3	5513.250	97.04	--	--	Peak	187.00	200	Horizontal	N/A
3**	5513.250	88.16	--	--	AV	187.00	200	Horizontal	N/A
4	7350.750	53.49	74.0	20.51	Peak	128.00	100	Horizontal	Pass
4**	7350.750	43.31	54.0	10.69	AV	128.00	100	Horizontal	Pass
5	12506.325	53.20	74.0	20.80	Peak	125.00	200	Horizontal	Pass
5**	12506.325	44.45	54.0	9.55	AV	125.00	200	Horizontal	Pass
6	16127.325	53.94	74.0	20.06	Peak	181.00	200	Horizontal	Pass
6**	16127.325	44.34	54.0	9.66	AV	181.00	200	Horizontal	Pass

11n40, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1578.100	39.32	74.0	34.68	Peak	151.00	300	Vertical	Pass
1**	1578.100	31.09	54.0	22.91	AV	151.00	300	Vertical	Pass
2	4336.750	47.57	74.0	26.43	Peak	284.00	100	Vertical	Pass
2**	4336.750	38.06	54.0	15.94	AV	284.00	100	Vertical	Pass
3	5513.750	96.71	--	--	Peak	324.00	150	Vertical	N/A
3**	5513.750	89.40	--	--	AV	324.00	150	Vertical	N/A
4	7591.750	53.31	74.0	20.69	Peak	5.00	100	Vertical	Pass
4**	7591.750	43.68	54.0	10.32	AV	5.00	100	Vertical	Pass
5	12479.725	53.49	74.0	20.51	Peak	161.00	100	Vertical	Pass
5**	12479.725	44.64	54.0	9.36	AV	161.00	100	Vertical	Pass
6	16125.225	53.40	74.0	20.60	Peak	140.00	300	Vertical	Pass
6**	16125.225	44.92	54.0	9.08	AV	140.00	300	Vertical	Pass

11n40, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.900	38.36	74.0	35.64	Peak	156.00	100	Horizontal	Pass
1**	1495.900	28.79	54.0	25.21	AV	156.00	100	Horizontal	Pass
2	4276.250	47.46	74.0	26.54	Peak	130.00	300	Horizontal	Pass
2**	4276.250	37.80	54.0	16.20	AV	130.00	300	Horizontal	Pass
3	5586.750	98.61	--	--	Peak	189.00	100	Horizontal	N/A
3**	5586.750	91.04	--	--	AV	189.00	100	Horizontal	N/A
4	7642.000	52.51	74.0	21.49	Peak	346.00	100	Horizontal	Pass
4**	7642.000	42.89	54.0	11.11	AV	346.00	100	Horizontal	Pass
5	12499.438	53.52	74.0	20.48	Peak	0.00	150	Horizontal	Pass
5**	12499.438	45.09	54.0	8.91	AV	0.00	150	Horizontal	Pass
6	16153.312	53.51	74.0	20.49	Peak	342.00	200	Horizontal	Pass
6**	16153.312	44.44	54.0	9.56	AV	342.00	200	Horizontal	Pass

11n40, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.900	38.81	74.0	35.19	Peak	190.00	400	Vertical	Pass
1**	1498.900	28.48	54.0	25.52	AV	190.00	400	Vertical	Pass
2	4257.250	47.19	74.0	26.81	Peak	109.00	300	Vertical	Pass
2**	4257.250	37.66	54.0	16.34	AV	109.00	300	Vertical	Pass
3	5581.500	97.54	--	227.46	Peak	325.00	100	Vertical	N/A
3**	5581.500	89.70	--	-89.70	AV	325.00	100	Vertical	N/A
4	7588.000	52.58	74.0	21.42	Peak	247.00	400	Vertical	Pass
4**	7588.000	43.10	54.0	10.90	AV	247.00	400	Vertical	Pass
5	12405.862	53.52	74.0	20.48	Peak	284.00	200	Vertical	Pass
5**	12405.862	43.49	54.0	10.51	AV	284.00	200	Vertical	Pass
6	16153.050	53.57	74.0	20.43	Peak	266.00	100	Vertical	Pass
6**	16153.050	43.99	54.0	10.01	AV	266.00	100	Vertical	Pass

11n40, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1510.300	37.78	74.0	36.22	Peak	112.00	400	Horizontal	Pass
1**	1510.300	27.92	54.0	26.08	AV	112.00	400	Horizontal	Pass
2	3780.000	48.39	74.0	25.61	Peak	129.00	100	Horizontal	Pass
2**	3780.000	45.12	54.0	8.88	AV	129.00	100	Horizontal	Pass
3	5672.000	98.93	--	N/A	Peak	187.00	100	Horizontal	N/A
3**	5672.000	92.27	--	N/A	AV	187.00	100	Horizontal	N/A
4	7605.750	52.54	74.0	21.46	Peak	89.00	300	Horizontal	Pass
4**	7605.750	44.10	54.0	9.90	AV	89.00	300	Horizontal	Pass
5	12477.112	53.60	74.0	20.40	Peak	292.00	150	Horizontal	Pass
5**	12477.112	44.45	54.0	9.55	AV	292.00	150	Horizontal	Pass
6	15685.537	54.09	74.0	19.91	Peak	335.00	100	Horizontal	Pass
6**	15685.537	44.17	54.0	9.83	AV	335.00	100	Horizontal	Pass

11n40, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1595.600	38.88	74.0	35.12	Peak	110.00	200	Vertical	Pass
1**	1595.600	29.74	54.0	24.26	AV	110.00	200	Vertical	Pass
2	4342.250	46.79	74.0	27.21	Peak	247.00	400	Vertical	Pass
2**	4342.250	37.75	54.0	16.25	AV	247.00	400	Vertical	Pass
3	5666.000	96.08	--	--	Peak	325.00	150	Vertical	N/A
3**	5666.000	88.43	--	--	AV	325.00	150	Vertical	N/A
4	7516.000	52.48	74.0	21.52	Peak	267.00	200	Vertical	Pass
4**	7516.000	42.71	54.0	11.29	AV	267.00	200	Vertical	Pass
5	12483.763	53.46	74.0	20.54	Peak	168.00	150	Vertical	Pass
5**	12483.763	44.93	54.0	9.07	AV	168.00	150	Vertical	Pass
6	15906.300	54.21	74.0	19.79	Peak	360.00	100	Vertical	Pass
6**	15906.300	44.66	54.0	9.34	AV	360.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1503.900	38.32	74.0	35.68	Peak	85.00	400	Horizontal	Pass
1**	1503.900	29.15	54.0	24.85	AV	85.00	400	Horizontal	Pass
2	2442.500	56.07	68.2	12.13	Peak	129.00	150	Horizontal	Pass
2**	2442.500	54.71	--	--	AV	129.00	150	Horizontal	N/A
3	5496.000	94.31	--	--	Peak	227.00	100	Horizontal	N/A
3**	5496.000	86.92	--	--	AV	227.00	100	Horizontal	N/A
4	7596.500	52.65	74.0	21.35	Peak	50.00	100	Horizontal	Pass
4**	7596.500	43.95	54.0	10.05	AV	50.00	100	Horizontal	Pass
5	12539.099	53.08	74.0	20.92	Peak	360.00	200	Horizontal	Pass
5**	12539.099	43.57	54.0	10.43	AV	360.00	200	Horizontal	Pass
6	16113.675	54.02	74.0	19.98	Peak	215.00	300	Horizontal	Pass
6**	16113.675	44.98	54.0	9.02	AV	215.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1569.600	38.22	74.0	35.78	Peak	167.00	100	Vertical	Pass
1**	1569.600	28.28	54.0	25.72	AV	167.00	100	Vertical	Pass
2	4391.250	46.69	74.0	27.31	Peak	0.00	400	Vertical	Pass
2**	4391.250	36.83	54.0	17.17	AV	0.00	400	Vertical	Pass
3	5498.500	94.74	--	--	Peak	325.00	150	Vertical	N/A
3**	5498.500	87.13	--	--	AV	325.00	150	Vertical	N/A
4	7686.000	53.35	74.0	20.65	Peak	0.00	300	Vertical	Pass
4**	7686.000	44.24	54.0	9.76	AV	0.00	300	Vertical	Pass
5	12528.888	52.81	74.0	21.19	Peak	82.00	100	Vertical	Pass
5**	12528.888	44.59	54.0	9.41	AV	82.00	100	Vertical	Pass
6	16113.150	53.71	74.0	20.29	Peak	327.00	200	Vertical	Pass
6**	16113.150	44.63	54.0	9.37	AV	327.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1605.400	38.57	74.0	35.43	Peak	163.00	200	Horizontal	Pass
1**	1605.400	28.76	54.0	25.24	AV	163.00	200	Horizontal	Pass
2	3720.250	46.90	74.0	27.10	Peak	169.00	150	Horizontal	Pass
2**	3720.250	42.77	54.0	11.23	AV	169.00	150	Horizontal	Pass
3	5577.000	95.05	--	--	Peak	187.00	100	Horizontal	N/A
3**	5577.000	87.63	--	--	AV	187.00	100	Horizontal	N/A
4	7492.500	52.55	74.0	21.45	Peak	346.00	400	Horizontal	Pass
4**	7492.500	44.04	54.0	9.96	AV	346.00	400	Horizontal	Pass
5	12470.700	53.02	74.0	20.98	Peak	210.00	150	Horizontal	Pass
5**	12470.700	45.00	54.0	9.00	AV	210.00	150	Horizontal	Pass
6	15694.200	53.60	74.0	20.40	Peak	334.00	300	Horizontal	Pass
6**	15694.200	43.11	54.0	10.89	AV	334.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1487.600	38.76	74.0	35.24	Peak	158.00	100	Vertical	Pass
1**	1487.600	29.06	54.0	24.94	AV	158.00	100	Vertical	Pass
2	4357.000	46.85	74.0	27.15	Peak	0.00	300	Vertical	Pass
2**	4357.000	37.89	54.0	16.11	AV	0.00	300	Vertical	Pass
3	5579.250	94.89	--	--	Peak	324.00	150	Vertical	N/A
3**	5579.250	88.26	--	--	AV	324.00	150	Vertical	N/A
4	7596.750	53.04	74.0	20.96	Peak	101.00	200	Vertical	Pass
4**	7596.750	42.97	54.0	11.03	AV	101.00	200	Vertical	Pass
5	12449.800	53.24	74.0	20.76	Peak	360.00	150	Vertical	Pass
5**	12449.800	44.55	54.0	9.45	AV	360.00	150	Vertical	Pass
6	16094.250	54.38	74.0	19.62	Peak	244.00	300	Vertical	Pass
6**	16094.250	44.79	54.0	9.21	AV	244.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1623.400	38.25	74.0	35.75	Peak	176.00	200	Horizontal	Pass
1**	1623.400	29.02	54.0	24.98	AV	176.00	200	Horizontal	Pass
2	3800.000	49.39	74.0	24.61	Peak	169.00	100	Horizontal	Pass
2**	3800.000	45.82	54.0	8.18	AV	169.00	100	Horizontal	Pass
3	5696.750	97.19	--	--	Peak	187.00	100	Horizontal	N/A
3**	5696.750	88.79	--	--	AV	187.00	100	Horizontal	N/A
4	7523.000	52.73	74.0	21.27	Peak	208.00	300	Horizontal	Pass
4**	7523.000	43.07	54.0	10.93	AV	208.00	300	Horizontal	Pass
5	12554.537	53.28	74.0	20.72	Peak	152.00	200	Horizontal	Pass
5**	12554.537	44.03	54.0	9.97	AV	152.00	200	Horizontal	Pass
6	15649.313	54.05	74.0	19.95	Peak	99.00	200	Horizontal	Pass
6**	15649.313	44.56	54.0	9.44	AV	99.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.300	39.15	74.0	34.85	Peak	175.00	300	Vertical	Pass
1**	1500.300	28.37	54.0	25.63	AV	175.00	300	Vertical	Pass
2	4380.250	46.88	74.0	27.12	Peak	0.00	200	Vertical	Pass
2**	4380.250	38.15	54.0	15.85	AV	0.00	200	Vertical	Pass
3	5695.750	93.94	--	--	Peak	330.00	200	Vertical	N/A
3**	5695.750	85.25	--	--	AV	330.00	200	Vertical	N/A
4	7484.750	53.18	74.0	20.82	Peak	35.00	100	Vertical	Pass
4**	7484.750	44.00	54.0	10.00	AV	35.00	100	Vertical	Pass
5	12460.488	53.31	74.0	20.69	Peak	112.00	200	Vertical	Pass
5**	12460.488	44.23	54.0	9.77	AV	112.00	200	Vertical	Pass
6	16100.287	53.76	74.0	20.24	Peak	4.00	400	Vertical	Pass
6**	16100.287	44.78	54.0	9.22	AV	4.00	400	Vertical	Pass

11ac40, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1623.700	38.49	74.0	35.51	Peak	122.00	100	Horizontal	Pass
1**	1623.700	29.37	54.0	24.63	AV	122.00	100	Horizontal	Pass
2	4350.250	46.96	74.0	27.04	Peak	229.00	200	Horizontal	Pass
2**	4350.250	37.33	54.0	16.67	AV	229.00	200	Horizontal	Pass
3	5519.500	91.71	--	--	Peak	210.00	200	Horizontal	N/A
3**	5519.500	83.34	--	--	AV	210.00	200	Horizontal	N/A
4	7647.500	52.54	74.0	21.46	Peak	53.00	200	Horizontal	Pass
4**	7647.500	43.55	54.0	10.45	AV	53.00	200	Horizontal	Pass
5	12431.750	52.99	74.0	21.01	Peak	41.00	100	Horizontal	Pass
5**	12431.750	44.02	54.0	9.98	AV	41.00	100	Horizontal	Pass
6	15455.062	53.41	74.0	20.59	Peak	0.00	400	Horizontal	Pass
6**	15455.062	44.09	54.0	9.91	AV	0.00	400	Horizontal	Pass

11ac40, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1600.000	38.09	74.0	35.91	Peak	143.00	200	Vertical	Pass
1**	1600.000	29.60	54.0	24.40	AV	143.00	200	Vertical	Pass
2	4375.250	46.80	74.0	27.20	Peak	0.00	100	Vertical	Pass
2**	4375.250	37.31	54.0	16.69	AV	0.00	100	Vertical	Pass
3	5512.500	92.03	--	--	Peak	348.00	150	Vertical	N/A
3**	5512.500	83.95	--	--	AV	348.00	150	Vertical	N/A
4	7341.500	52.75	74.0	21.25	Peak	0.00	200	Vertical	Pass
4**	7341.500	43.51	54.0	10.49	AV	0.00	200	Vertical	Pass
5	12407.763	53.73	74.0	20.27	Peak	213.00	100	Vertical	Pass
5**	12407.763	43.65	54.0	10.35	AV	213.00	100	Vertical	Pass
6	16078.763	54.44	74.0	19.56	Peak	212.00	400	Vertical	Pass
6**	16078.763	44.70	54.0	9.30	AV	212.00	400	Vertical	Pass

11ac40, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1606.800	38.13	74.0	35.87	Peak	329.00	400	Horizontal	Pass
1**	1606.800	28.77	54.0	25.23	AV	329.00	400	Horizontal	Pass
2	4367.500	47.10	74.0	26.90	Peak	93.00	200	Horizontal	Pass
2**	4367.500	38.15	54.0	15.85	AV	93.00	200	Horizontal	Pass
3	5595.250	92.53	--	--	Peak	210.00	200	Horizontal	N/A
3**	5595.250	83.96	--	--	AV	210.00	200	Horizontal	N/A
4	7357.250	52.67	74.0	21.33	Peak	250.00	100	Horizontal	Pass
4**	7357.250	43.72	54.0	10.28	AV	250.00	100	Horizontal	Pass
5	12495.638	53.28	74.0	20.72	Peak	312.00	200	Horizontal	Pass
5**	12495.638	44.22	54.0	9.78	AV	312.00	200	Horizontal	Pass
6	16085.588	53.61	74.0	20.39	Peak	16.00	200	Horizontal	Pass
6**	16085.588	43.60	54.0	10.40	AV	16.00	200	Horizontal	Pass

11ac40, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1573.300	38.59	74.0	35.41	Peak	136.00	300	Vertical	Pass
1**	1573.300	29.66	54.0	24.34	AV	136.00	300	Vertical	Pass
2	4398.500	47.48	74.0	26.52	Peak	287.00	100	Vertical	Pass
2**	4398.500	37.97	54.0	16.03	AV	287.00	100	Vertical	Pass
3	5581.250	91.59	--	--	Peak	347.00	200	Vertical	N/A
3**	5581.250	84.62	--	--	AV	347.00	200	Vertical	N/A
4	7636.500	52.69	74.0	21.31	Peak	210.00	100	Vertical	Pass
4**	7636.500	42.69	54.0	11.31	AV	210.00	100	Vertical	Pass
5	12515.588	53.16	74.0	20.84	Peak	27.00	150	Vertical	Pass
5**	12515.588	44.02	54.0	9.98	AV	27.00	150	Vertical	Pass
6	16133.888	53.88	74.0	20.12	Peak	345.00	300	Vertical	Pass
6**	16133.888	45.78	54.0	8.22	AV	345.00	300	Vertical	Pass

11ac40, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1464.100	38.39	74.0	35.61	Peak	55.00	300	Horizontal	Pass
1**	1464.100	28.60	54.0	25.40	AV	55.00	300	Horizontal	Pass
2	3780.000	48.53	74.0	25.47	Peak	169.00	100	Horizontal	Pass
2**	3780.000	44.94	54.0	9.06	AV	169.00	100	Horizontal	Pass
3	5666.500	94.23	--	--	Peak	210.00	100	Horizontal	N/A
3**	5666.500	86.58	--	--	AV	210.00	100	Horizontal	N/A
4	7512.500	52.67	74.0	21.33	Peak	326.00	400	Horizontal	Pass
4**	7512.500	43.09	54.0	10.91	AV	326.00	400	Horizontal	Pass
5	12467.138	53.18	74.0	20.82	Peak	351.00	100	Horizontal	Pass
5**	12467.138	44.12	54.0	9.88	AV	351.00	100	Horizontal	Pass
6	16153.312	53.55	74.0	20.45	Peak	185.00	100	Horizontal	Pass
6**	16153.312	44.33	54.0	9.67	AV	185.00	100	Horizontal	Pass

11ac40, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1606.200	39.18	74.0	34.82	Peak	120.00	200	Vertical	Pass
1**	1606.200	30.93	54.0	23.07	AV	120.00	200	Vertical	Pass
2	4259.250	47.48	74.0	26.52	Peak	210.00	300	Vertical	Pass
2**	4259.250	37.93	54.0	16.07	AV	210.00	300	Vertical	Pass
3	5673.000	91.68	--	--	Peak	330.00	150	Vertical	N/A
3**	5673.000	83.97	--	--	AV	330.00	150	Vertical	N/A
4	7602.250	52.63	74.0	21.37	Peak	0.00	400	Vertical	Pass
4**	7602.250	43.62	54.0	10.38	AV	0.00	400	Vertical	Pass
5	12442.675	54.08	74.0	19.92	Peak	61.00	150	Vertical	Pass
5**	12442.675	43.89	54.0	10.11	AV	61.00	150	Vertical	Pass
6	16095.037	53.91	74.0	20.09	Peak	77.00	200	Vertical	Pass
6**	16095.037	45.41	54.0	8.59	AV	77.00	200	Vertical	Pass

11ac80, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1590.900	38.49	74.0	35.51	Peak	169.00	100	Horizontal	Pass
1**	1590.900	28.13	54.0	25.87	AV	169.00	100	Horizontal	Pass
2	3687.000	47.45	74.0	26.55	Peak	190.00	100	Horizontal	Pass
2**	3687.000	41.32	54.0	12.68	AV	190.00	100	Horizontal	Pass
3	5523.500	89.79	--	--	Peak	210.00	200	Horizontal	N/A
3**	5523.500	81.49	--	--	AV	210.00	200	Horizontal	N/A
4	7617.000	52.87	74.0	21.13	Peak	132.00	400	Horizontal	Pass
4**	7617.000	44.48	54.0	9.52	AV	132.00	400	Horizontal	Pass
5	12458.350	53.43	74.0	20.57	Peak	113.00	100	Horizontal	Pass
5**	12458.350	44.02	54.0	9.98	AV	113.00	100	Horizontal	Pass
6	16063.799	54.41	74.0	19.59	Peak	86.00	150	Horizontal	Pass
6**	16063.799	43.60	54.0	10.40	AV	86.00	150	Horizontal	Pass

11ac80, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1456.300	38.21	74.0	35.79	Peak	281.00	200	Vertical	Pass
1**	1456.300	28.55	54.0	25.45	AV	281.00	200	Vertical	Pass
2	4363.000	46.56	74.0	27.44	Peak	192.00	300	Vertical	Pass
2**	4363.000	37.44	54.0	16.56	AV	192.00	300	Vertical	Pass
3	5515.500	88.87	--	--	Peak	348.00	200	Vertical	N/A
3**	5515.500	81.16	--	--	AV	348.00	200	Vertical	N/A
4	7616.500	53.29	74.0	20.71	Peak	16.00	200	Vertical	Pass
4**	7616.500	43.57	54.0	10.43	AV	16.00	200	Vertical	Pass
5	12476.875	53.52	74.0	20.48	Peak	17.00	100	Vertical	Pass
5**	12476.875	43.90	54.0	10.10	AV	17.00	100	Vertical	Pass
6	16116.300	54.34	74.0	19.66	Peak	190.00	100	Vertical	Pass
6**	16116.300	44.99	54.0	9.01	AV	190.00	100	Vertical	Pass

11ac80, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1492.200	37.90	74.0	36.10	Peak	118.00	300	Horizontal	Pass
1**	1492.200	29.06	54.0	24.94	AV	118.00	300	Horizontal	Pass
2	4334.000	47.84	74.0	26.16	Peak	93.00	400	Horizontal	Pass
2**	4334.000	38.02	54.0	15.98	AV	93.00	400	Horizontal	Pass
3	5598.000	90.92	--	--	Peak	212.00	200	Horizontal	N/A
3**	5598.000	82.79	--	--	AV	212.00	200	Horizontal	N/A
4	7263.250	53.98	74.0	20.02	Peak	54.00	100	Horizontal	Pass
4**	7263.250	42.01	54.0	11.99	AV	54.00	100	Horizontal	Pass
5	12481.150	53.74	74.0	20.26	Peak	206.00	200	Horizontal	Pass
5**	12481.150	44.89	54.0	9.11	AV	206.00	200	Horizontal	Pass
6	15891.863	53.72	74.0	20.28	Peak	94.00	400	Horizontal	Pass
6**	15891.863	44.33	54.0	9.67	AV	94.00	400	Horizontal	Pass

11ac80, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1605.100	39.26	74.0	34.74	Peak	160.00	100	Vertical	Pass
1**	1605.100	29.56	54.0	24.44	AV	160.00	100	Vertical	Pass
2	4356.500	47.69	74.0	26.31	Peak	270.00	400	Vertical	Pass
2**	4356.500	37.93	54.0	16.07	AV	270.00	400	Vertical	Pass
3	5596.000	90.48	--	--	Peak	348.00	100	Vertical	N/A
3**	5596.000	81.50	--	--	AV	348.00	100	Vertical	N/A
4	7675.750	52.83	74.0	21.17	Peak	113.00	300	Vertical	Pass
4**	7675.750	43.22	54.0	10.78	AV	113.00	300	Vertical	Pass
5	12474.263	53.26	74.0	20.74	Peak	198.00	150	Vertical	Pass
5**	12474.263	44.22	54.0	9.78	AV	198.00	150	Vertical	Pass
6	16110.788	53.90	74.0	20.10	Peak	48.00	300	Vertical	Pass
6**	16110.788	45.25	54.0	8.75	AV	48.00	300	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

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

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5145.450	61.94	74.0	12.06	Peak	57.00	200	Horizontal	Pass
1**	5145.450	45.44	54.0	8.56	AV	57.00	200	Horizontal	Pass
2	5150.000	54.56	74.0	19.44	Peak	57.00	200	Horizontal	Pass
2**	5150.000	45.11	54.0	8.89	AV	57.00	200	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	54.96	74.0	19.04	Peak	80.00	200	Horizontal	Pass
1**	5350.000	45.12	54.0	8.88	AV	80.00	200	Horizontal	Pass
2	5353.685	56.83	74.0	17.17	Peak	148.00	200	Horizontal	Pass
2**	5353.685	45.02	54.0	8.98	AV	148.00	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	5149.350	60.89	74.0	13.11	Peak	41.00	100	Horizontal	Pass
1**	5149.350	44.75	54.0	9.25	AV	41.00	100	Horizontal	Pass
2	5150.000	61.97	74.0	12.03	Peak	53.00	200	Horizontal	Pass
2**	5150.000	44.64	54.0	9.36	AV	53.00	200	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	5350.055	55.25	74.0	18.75	Peak	332.00	200	Horizontal	Pass
1**	5350.055	44.94	54.0	9.06	AV	332.00	200	Horizontal	Pass
2	5399.335	57.30	74.0	16.70	Peak	242.00	150	Horizontal	Pass
2**	5399.335	44.78	54.0	9.22	AV	242.00	150	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	5149.350	58.95	74.0	15.05	Peak	37.00	200	Horizontal	Pass
1**	5149.350	44.48	54.0	9.52	AV	37.00	200	Horizontal	Pass
2	5150.000	55.73	74.0	18.27	Peak	216.00	150	Horizontal	Pass
2**	5150.000	44.48	54.0	9.52	AV	216.00	150	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	5350.055	55.25	74.0	18.75	Peak	332.00	200	Horizontal	Pass
1**	5350.055	44.94	54.0	9.06	AV	332.00	200	Horizontal	Pass
2	5399.335	57.30	74.0	16.70	Peak	242.00	150	Horizontal	Pass
2**	5399.335	44.78	54.0	9.22	AV	242.00	150	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	5149.025	58.50	74.0	15.50	Peak	48.00	200	Horizontal	Pass
1**	5149.025	45.75	54.0	8.25	AV	48.00	200	Horizontal	Pass
2	5150.000	56.71	74.0	17.29	Peak	51.00	100	Horizontal	Pass
2**	5150.000	45.56	54.0	8.44	AV	51.00	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	5350.055	55.30	74.0	18.70	Peak	94.00	150	Horizontal	Pass
1**	5350.055	45.35	54.0	8.65	AV	94.00	150	Horizontal	Pass
2	5380.580	56.53	74.0	17.47	Peak	334.00	150	Horizontal	Pass
2**	5380.580	44.89	54.0	9.11	AV	334.00	150	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	5148.375	58.90	74.0	15.10	Peak	56.00	200	Horizontal	Pass
1**	5148.375	44.59	54.0	9.41	AV	56.00	200	Horizontal	Pass
2	5150.000	61.30	74.0	12.70	Peak	46.00	100	Horizontal	Pass
2**	5150.000	44.79	54.0	9.21	AV	46.00	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	54.55	74.0	19.45	Peak	260.00	200	Horizontal	Pass
1**	5350.000	45.39	54.0	8.61	AV	260.00	200	Horizontal	Pass
2	5394.770	56.64	74.0	17.36	Peak	0.00	200	Horizontal	Pass
2**	5394.770	44.63	54.0	9.37	AV	0.00	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	5138.950	57.52	74.0	16.48	Peak	50.00	100	Horizontal	Pass
1**	5138.950	45.15	54.0	8.85	AV	50.00	100	Horizontal	Pass
2	5150.000	57.43	74.0	16.57	Peak	37.00	150	Horizontal	Pass
2**	5150.000	45.27	54.0	8.73	AV	37.00	150	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	5350.055	55.25	74.0	18.75	Peak	247.00	200	Horizontal	Pass
1**	5350.055	45.10	54.0	8.90	AV	247.00	200	Horizontal	Pass
2	5379.315	56.41	74.0	17.59	Peak	48.00	150	Horizontal	Pass
2**	5379.315	44.87	54.0	9.13	AV	48.00	150	Horizontal	Pass

U-NII-2C 11a Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5455.900	58.45	74.0	15.55	Peak	34.00	200	Horizontal	Pass
1**	5455.900	44.71	54.0	9.29	AV	34.00	200	Horizontal	Pass
2	5459.980	54.55	74.0	19.45	Peak	34.00	200	Horizontal	Pass
2**	5459.980	44.64	54.0	9.36	AV	34.00	200	Horizontal	Pass
3	5466.280	62.72	68.2	5.48	Peak	190.00	100	Horizontal	Pass
3**	5466.280	44.79	--	--	AV	190.00	100	Horizontal	N/A
4	5469.940	54.38	68.2	13.82	Peak	214.00	100	Horizontal	Pass
4**	5469.940	44.97	--	--	AV	214.00	100	Horizontal	N/A

U-NII-2C 11a High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.063	57.98	68.2	10.22	Peak	360.00	150	Horizontal	Pass
2	5725.938	64.32	68.2	3.88	Peak	200.00	200	Horizontal	Pass

U-NII-2C 11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5459.860	58.51	74.0	15.49	Peak	189.00	100	Horizontal	Pass
1**	5459.860	44.83	54.0	9.17	AV	189.00	100	Horizontal	Pass
2	5459.980	54.04	74.0	19.96	Peak	211.00	100	Horizontal	Pass
2**	5459.980	44.84	54.0	9.16	AV	211.00	100	Horizontal	Pass
3	5468.200	63.55	68.2	4.65	Peak	184.00	150	Horizontal	Pass
3**	5468.200	45.15	--	--	AV	184.00	150	Horizontal	N/A
4	5469.940	59.68	68.2	8.52	Peak	274.00	200	Horizontal	Pass
4**	5469.940	45.26	--	--	AV	274.00	200	Horizontal	N/A

U-NII-2C 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	59.37	68.2	8.83	Peak	228.00	100	Horizontal	Pass
2	5725.313	64.65	68.2	3.55	Peak	196.00	100	Horizontal	Pass

U-NII-2C 11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5457.580	61.10	74.0	12.90	Peak	48.00	100	Horizontal	Pass
1**	5457.580	44.76	54.0	9.24	AV	48.00	100	Horizontal	Pass
2	5459.980	57.34	74.0	16.66	Peak	198.00	200	Horizontal	Pass
2**	5459.980	45.00	54.0	9.00	AV	198.00	200	Horizontal	Pass
3	5468.800	63.60	68.2	4.60	Peak	52.00	100	Horizontal	Pass
3**	5468.800	46.87	--	--	AV	52.00	100	Horizontal	N/A
4	5469.940	63.59	68.2	4.61	Peak	198.00	200	Horizontal	Pass
4**	5469.940	46.55	--	--	AV	198.00	200	Horizontal	N/A

U-NII-2C 11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.063	54.39	68.2	13.81	Peak	304.00	200	Horizontal	Pass
2	5728.187	61.18	68.2	7.02	Peak	199.00	150	Horizontal	Pass

U-NII-2C 11ac20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5378.440	56.71	74.0	17.29	Peak	173.00	150	Horizontal	Pass
1**	5378.440	45.14	54.0	8.86	AV	173.00	150	Horizontal	Pass
2	5459.980	53.85	74.0	20.15	Peak	167.00	100	Horizontal	Pass
2**	5459.980	44.87	54.0	9.13	AV	167.00	100	Horizontal	Pass
3	5468.980	59.01	68.2	9.19	Peak	189.00	200	Horizontal	Pass
3**	5468.980	44.22	--	--	AV	189.00	200	Horizontal	N/A
4	5469.940	54.36	68.2	13.84	Peak	0.00	150	Horizontal	Pass
4**	5469.940	44.44	--	--	AV	0.00	150	Horizontal	N/A

U-NII-2C 11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	54.18	68.2	14.02	Peak	51.00	150	Horizontal	Pass
2	5740.000	57.18	68.2	11.02	Peak	194.00	100	Horizontal	Pass

U-NII-2C 11ac40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5378.020	56.51	74.0	17.49	Peak	211.00	100	Horizontal	Pass
1**	5378.020	45.24	54.0	8.76	AV	211.00	100	Horizontal	Pass
2	5459.980	54.02	74.0	19.98	Peak	86.00	200	Horizontal	Pass
2**	5459.980	44.52	54.0	9.48	AV	86.00	200	Horizontal	Pass
3	5468.560	56.84	68.2	11.36	Peak	185.00	100	Horizontal	Pass
3**	5468.560	44.53	--	--	AV	185.00	100	Horizontal	N/A
4	5469.940	53.34	68.2	14.86	Peak	233.00	200	Horizontal	Pass
4**	5469.940	44.84	--	--	AV	233.00	200	Horizontal	N/A

U-NII-2C 11ac40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.063	54.61	68.2	13.59	Peak	136.00	100	Horizontal	Pass
2	5729.250	57.18	68.2	11.02	Peak	200.00	150	Horizontal	Pass

U-NII-2C 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5452.960	57.02	74.0	16.98	Peak	256.00	150	Horizontal	Pass
1**	5452.960	44.40	54.0	9.60	AV	256.00	150	Horizontal	Pass
2	5459.980	54.02	74.0	19.98	Peak	0.00	150	Horizontal	Pass
2**	5459.980	44.61	54.0	9.39	AV	0.00	150	Horizontal	Pass
3	5467.600	57.45	68.2	10.75	Peak	241.00	200	Horizontal	Pass
3**	5467.600	44.42	--	--	AV	241.00	200	Horizontal	N/A
4	5469.940	54.07	68.2	14.13	Peak	149.00	100	Horizontal	Pass
4**	5469.940	44.74	--	--	AV	149.00	100	Horizontal	N/A

U-NII-2C 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.063	54.43	68.2	13.77	Peak	337.00	150	Horizontal	Pass
2	5772.250	57.01	68.2	11.19	Peak	53.00	200	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2510664-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2510664-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2510664-AI.PDF”.

Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
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4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the "inspection and testing dedicated stamp" or test report stamp.
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--END OF REPORT--