

TEST REPORT

Applicant: Xtra Technology LLC
Address: 3422 Old Capitol Trail, Suite 700, Wilmington, DE
19808-6124, USA
Equipment Type: XTRA MUSE
Model Name: XCAME01
Brand Name: Xtra
FCC ID: 2BQH2-XCAME01
Test Standard: 47 CFR Part 15 Subpart E
(refer to section 3.1)
Sample Arrival Date: Jul. 10, 2025
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ISSUED BY:

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Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Jul. 31, 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	Xtra Technology LLC
Address	3422 Old Capitol Trail, Suite 700, Wilmington, DE 19808-6124, USA

2.2 Manufacturer Information

Manufacturer	Xtra Technology LLC
Address	3422 Old Capitol Trail, Suite 700, Wilmington, DE 19808-6124, USA

2.3 General Description for Equipment under Test (EUT)

EUT Name	XTRA MUSE
Model Name Under Test	XCAME01
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	V1.0.0
Software Version	01.00.00.00
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n and 802.11ac
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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-3: 5725 MHz to 5850 MHz
Product Type	☐ Mobile ☒ Portable ☐ Fix Location
Modulation technology	OFDM
Modulation Type	256QAM, 64QAM, 16QAM, BPSK, QPSK
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps 802.11ac: up to VHT-MCS9
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz, 80 MHz
Maximum Output Power	U-NII-1: 35.48 mW U-NII-3: 25.06 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	Microstrip Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: 1.0 dBi U-NII-3: 5725 MHz to 5850 MHz: 1.5 dBi
About the Product	The equipment is XTRA MUSE, intended for used with information technology equipment.

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

2.5 Channel List

20 MHz		40 MHz		80 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230	155	5775
44	5220	151	5755		
48	5240	159	5795		
149	5745				
153	5765				
157	5785				
161	5805				
165	5825				

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

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

U-NII-1 (5150 - 5250 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
36	Low	5180	149	Low	5745
44	Mid	5220	157	Mid	5785
48	High	5240	165	High	5825

For 802.11n(HT40)/ac(VHT40)

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

For 802.11ac(VHT80)

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

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

Test Items	Mode	Data Rate	Modulation Type	U-NII-1	U-NII-3
				Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
6 dB bandwidth	11a	6	BPSK	N/A	165/157/149
	11n(20 MHz)	6.5		N/A	165/157/149
	11n(40 MHz)	13.5		N/A	159/151
	11ac(20 MHz)	6.5		N/A	165/157/149
	11ac(40 MHz)	13.5		N/A	159/151
	11ac(80 MHz)	29.3		N/A	155
Power Spectral Density	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
Band Edge (Restricted-band)	11a	6	BPSK	48/36	165/149
	11n(20 MHz)	6.5		48/36	165/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/36	165/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E	Unlicensed National Information Infrastructure Devices
2	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

3.2 Test Verdict

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

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

Note ²: Under all normal operating conditions specified in the user manual, frequency stability can keep radiation within the operating frequency band.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	40% to 63%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.3℃ to +26.2℃
Working Voltage of the EUT	NV (Normal Voltage)	7.7 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2024.12.16	2025.12.15
Spectrum Analyzer	KEYSIGHT	N9020A	MY56060183	2024.08.01	2025.07.31
Power Sensor	KEYSIGHT	U2063XA	MY58000247	2025.06.16	2026.06.15
Spectrum Analyzer	KEYSIGHT	N9020A	MY52510065	2024.08.01	2025.07.31
Signaling Unit	ROHDE&SCHWARZ	CMW500	171150	2025.04.28	2026.04.27
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	01631	2025.02.22	2028.02.21
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Anechoic Chamber	RAINFORD	9m*6m*6m	144	2022.02.19	2025.09.03
Amplifier	COM-MV	LSCX_LNA1-12G-01	180602	2024.08.01	2025.07.31
Amplifier	COM-MV	XKu_LNA7-18G-01	180601	2024.08.01	2025.07.31
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2024.12.05	2025.12.04
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2024.08.01	2025.07.31
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-01162	2023.08.04	2026.08.03
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22
Amplifier	COM-MV	ZT30-1000M	B2018054558	2024.11.28	2025.11.27
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2024.07.13	2027.07.12
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2024.08.01	2025.07.31
LISN	SCHWARZBECK	NSLK 8127	8127-687	2025.04.29	2026.04.28
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2025.02.14	2028.02.13

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



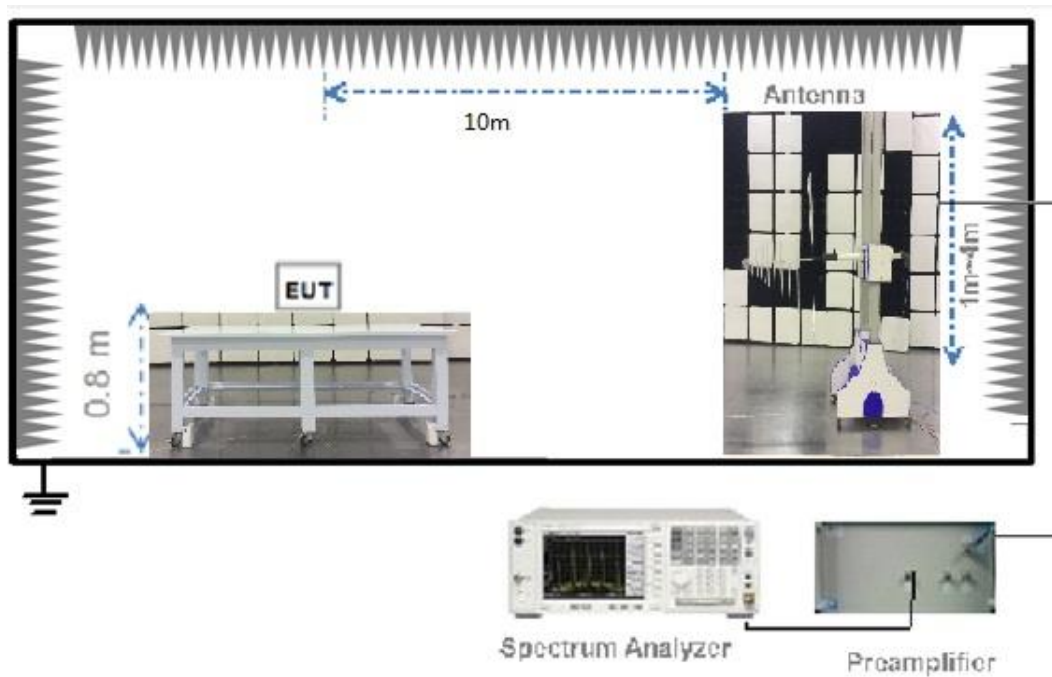
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



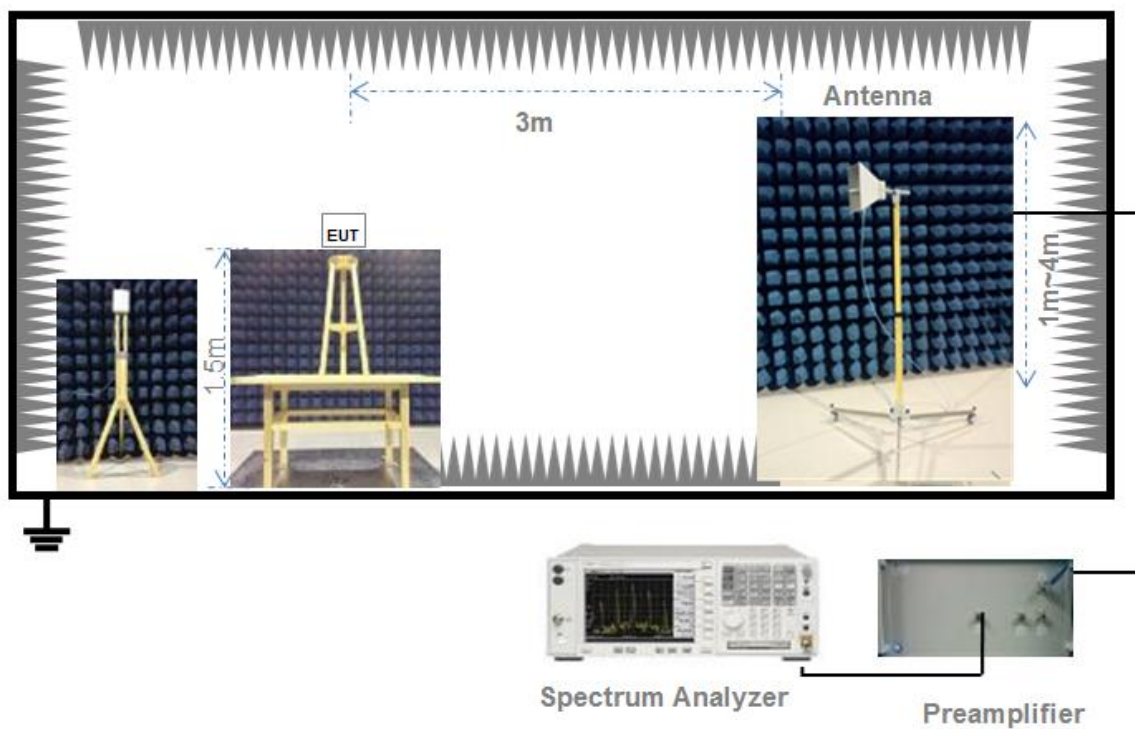
(Diagram 3)

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	1.42	1.53	92.75%	0.33
11n(HT20)/11ac(VHT20)	1.34	1.44	93.01%	0.31
11n(HT40)/11ac(VHT40)	0.67	0.77	86.52%	0.63
11ac(VHT80)	0.33	0.43	76.59%	1.16

Test DataConducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	15.50	35.48	250	Pass
11a	CH44	15.39	34.59	250	Pass
11a	CH48	15.42	34.83	250	Pass
11n(HT20)	CH36	15.22	33.27	250	Pass
11n(HT20)	CH44	15.03	31.84	250	Pass
11n(HT20)	CH48	15.44	34.99	250	Pass
11n(HT40)	CH38	15.36	34.36	250	Pass
11n(HT40)	CH46	15.17	32.89	250	Pass
11ac(VHT20)	CH36	15.11	32.43	250	Pass
11ac(VHT20)	CH44	15.45	35.08	250	Pass
11ac(VHT20)	CH48	15.46	35.16	250	Pass
11ac(VHT40)	CH38	15.43	34.91	250	Pass
11ac(VHT40)	CH46	15.35	34.28	250	Pass
11ac(VHT80)	CH42	12.57	18.07	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	13.49	22.34	1000	Pass
11a	CH157	13.97	24.95	1000	Pass
11a	CH165	13.95	24.83	1000	Pass
11n(HT20)	CH149	13.93	24.72	1000	Pass
11n(HT20)	CH157	13.91	24.60	1000	Pass
11n(HT20)	CH165	13.81	24.04	1000	Pass
11n(HT40)	CH151	13.49	22.34	1000	Pass
11n(HT40)	CH159	13.64	23.12	1000	Pass
11ac(VHT20)	CH149	13.99	25.06	1000	Pass
11ac(VHT20)	CH157	13.89	24.49	1000	Pass
11ac(VHT20)	CH165	13.77	23.82	1000	Pass
11ac(VHT40)	CH151	13.68	23.33	1000	Pass
11ac(VHT40)	CH159	13.59	22.86	1000	Pass
11ac(VHT80)	CH155	12.51	17.82	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2570551-604 Data Part 1.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	21.19	16.70
11a	CH44	21.24	16.72
11a	CH48	21.54	16.79
11n(HT20)	CH36	22.79	17.86
11n(HT20)	CH44	26.91	17.92
11n(HT20)	CH48	26.37	17.96
11n(HT40)	CH38	43.89	36.31
11n(HT40)	CH46	56.57	36.33
11ac(VHT20)	CH36	21.66	17.84
11ac(VHT20)	CH44	24.19	17.91
11ac(VHT20)	CH48	25.69	17.95
11ac(VHT40)	CH38	43.34	36.25
11ac(VHT40)	CH46	39.94	36.26
11ac(VHT80)	CH42	81.57	75.72

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	25.82	17.05
11a	CH157	26.14	17.10
11a	CH165	25.81	17.03
11n(HT20)	CH149	35.69	19.48
11n(HT20)	CH157	35.97	19.25
11n(HT20)	CH165	35.93	19.21
11n(HT40)	CH151	71.35	36.49
11n(HT40)	CH159	65.52	36.51
11ac(VHT20)	CH149	28.65	18.26
11ac(VHT20)	CH157	29.69	18.27
11ac(VHT20)	CH165	29.94	18.35
11ac(VHT40)	CH151	55.72	36.48
11ac(VHT40)	CH159	51.45	36.46
11ac(VHT80)	CH155	82.12	75.84

A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2570551-604 Data Part 2.pdf".

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.40	500.00	Pass
11a	CH157	16.35	500.00	Pass
11a	CH165	16.40	500.00	Pass
11n(HT20)	CH149	17.60	500.00	Pass
11n(HT20)	CH157	16.65	500.00	Pass
11n(HT20)	CH165	17.00	500.00	Pass
11n(HT40)	CH151	35.70	500.00	Pass
11n(HT40)	CH159	35.75	500.00	Pass
11ac(VHT20)	CH149	17.10	500.00	Pass
11ac(VHT20)	CH157	16.75	500.00	Pass
11ac(VHT20)	CH165	17.05	500.00	Pass
11ac(VHT40)	CH151	35.50	500.00	Pass
11ac(VHT40)	CH159	35.60	500.00	Pass
11ac(VHT80)	CH155	75.25	500.00	Pass

A.4 Power Spectral Density

Note: Test plots please refer to the document "Annex No.: BL-SZ2570551-604 Data Part 3.pdf".

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	4.90	11.00	Pass
11a	CH44	4.85	11.00	Pass
11a	CH48	4.87	11.00	Pass
11n(HT20)	CH36	4.44	11.00	Pass
11n(HT20)	CH44	4.24	11.00	Pass
11n(HT20)	CH48	4.96	11.00	Pass
11n(HT40)	CH38	1.63	11.00	Pass
11n(HT40)	CH46	1.36	11.00	Pass
11ac(VHT20)	CH36	4.40	11.00	Pass
11ac(VHT20)	CH44	5.04	11.00	Pass
11ac(VHT20)	CH48	4.97	11.00	Pass
11ac(VHT40)	CH38	1.71	11.00	Pass
11ac(VHT40)	CH46	1.57	11.00	Pass
11ac(VHT80)	CH42	-3.87	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	FCC Limit (dBm/500kHz)	Verdict
11a	CH149	0.26	30.00	Pass
11a	CH157	0.94	30.00	Pass
11a	CH165	1.21	30.00	Pass
11n(HT20)	CH149	0.41	30.00	Pass
11n(HT20)	CH157	0.45	30.00	Pass
11n(HT20)	CH165	0.46	30.00	Pass
11n(HT40)	CH151	-3.26	30.00	Pass
11n(HT40)	CH159	-2.73	30.00	Pass
11ac(VHT20)	CH149	0.41	30.00	Pass
11ac(VHT20)	CH157	0.68	30.00	Pass
11ac(VHT20)	CH165	0.47	30.00	Pass
11ac(VHT40)	CH151	-2.86	30.00	Pass
11ac(VHT40)	CH159	-2.68	30.00	Pass
11ac(VHT80)	CH155	-6.69	30.00	Pass

A.5 Conducted Emissions

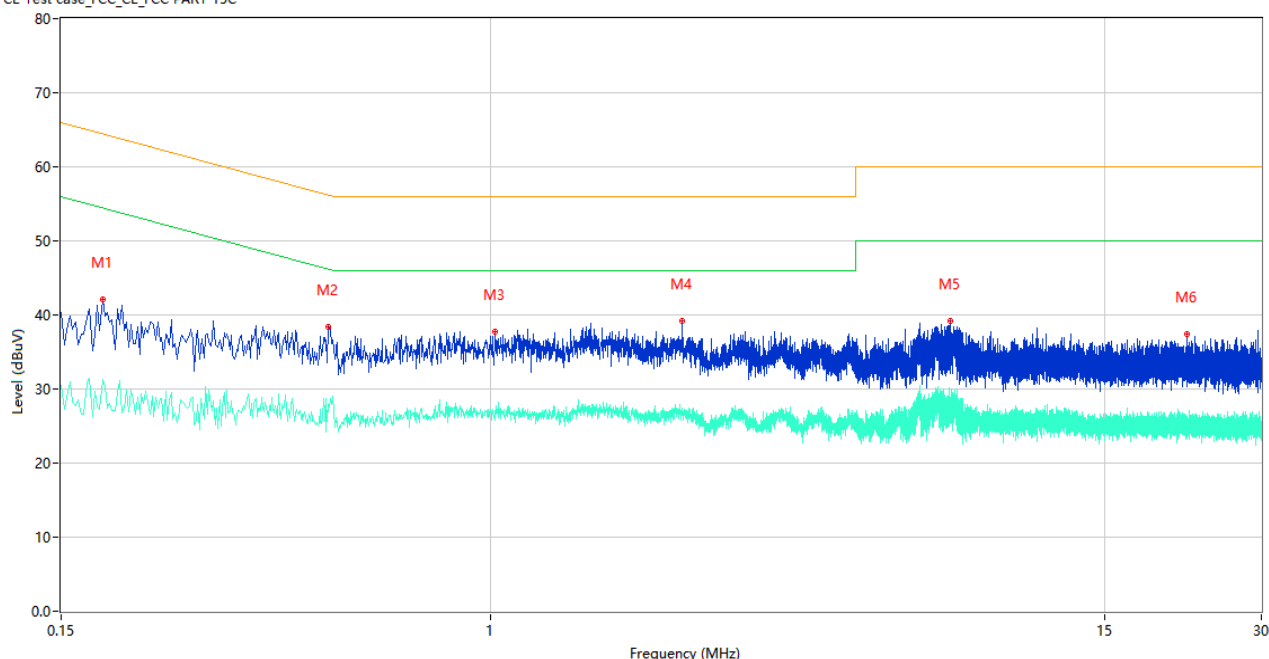
Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

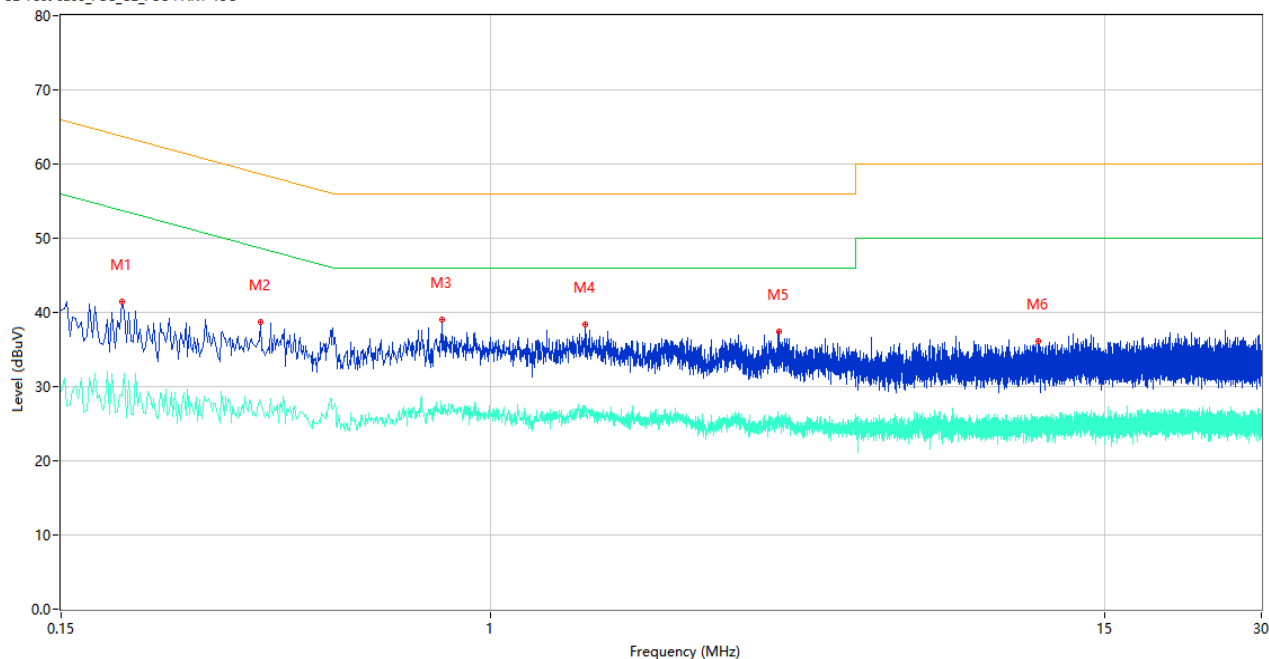
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.180	42.09	9.85	64.49	22.40	Peak	L	Pass
1**	0.180	31.22	9.85	54.49	23.27	AV	L	Pass
2	0.488	38.38	10.05	56.20	17.82	Peak	L	Pass
2**	0.488	27.95	10.05	46.20	18.25	AV	L	Pass
3	1.020	37.71	10.12	56.00	18.29	Peak	L	Pass
3**	1.020	26.72	10.12	46.00	19.28	AV	L	Pass
4	2.324	39.20	10.20	56.00	16.80	Peak	L	Pass
4**	2.324	27.48	10.20	46.00	18.52	AV	L	Pass
5	7.596	39.16	10.26	60.00	20.84	Peak	L	Pass
5**	7.596	28.56	10.26	50.00	21.44	AV	L	Pass
6	21.594	37.43	11.09	60.00	22.57	Peak	L	Pass
6**	21.594	25.41	11.09	50.00	24.59	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	0.196	41.49	9.84	63.78	22.29	Peak	N	Pass
1**	0.196	28.70	9.84	53.78	25.08	AV	N	Pass
2	0.362	38.71	10.77	58.68	19.97	Peak	N	Pass
2**	0.362	27.93	10.77	48.68	20.75	AV	N	Pass
3	0.808	39.03	10.61	56.00	16.97	Peak	N	Pass
3**	0.808	26.31	10.61	46.00	19.69	AV	N	Pass
4	1.518	38.33	10.28	56.00	17.67	Peak	N	Pass
4**	1.518	26.89	10.28	46.00	19.11	AV	N	Pass
5	3.564	37.39	10.32	56.00	18.61	Peak	N	Pass
5**	3.564	25.32	10.32	46.00	20.68	AV	N	Pass
6	11.184	36.08	10.77	60.00	23.92	Peak	N	Pass
6**	11.184	25.51	10.77	50.00	24.49	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.

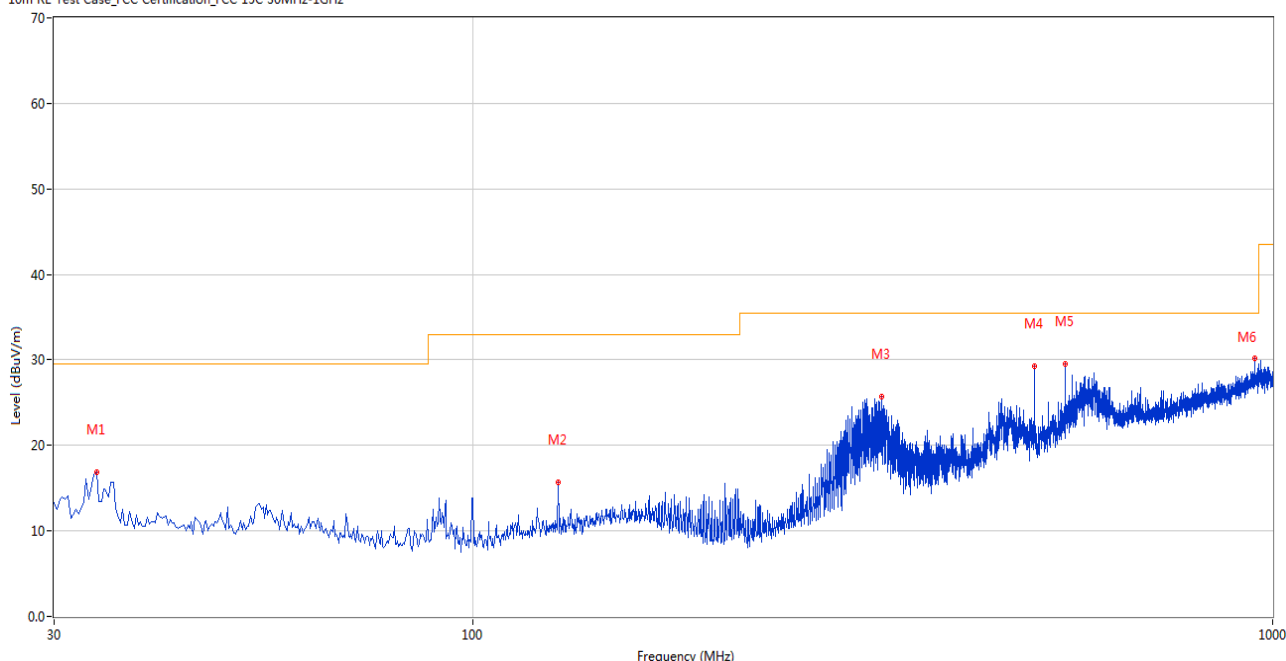
Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

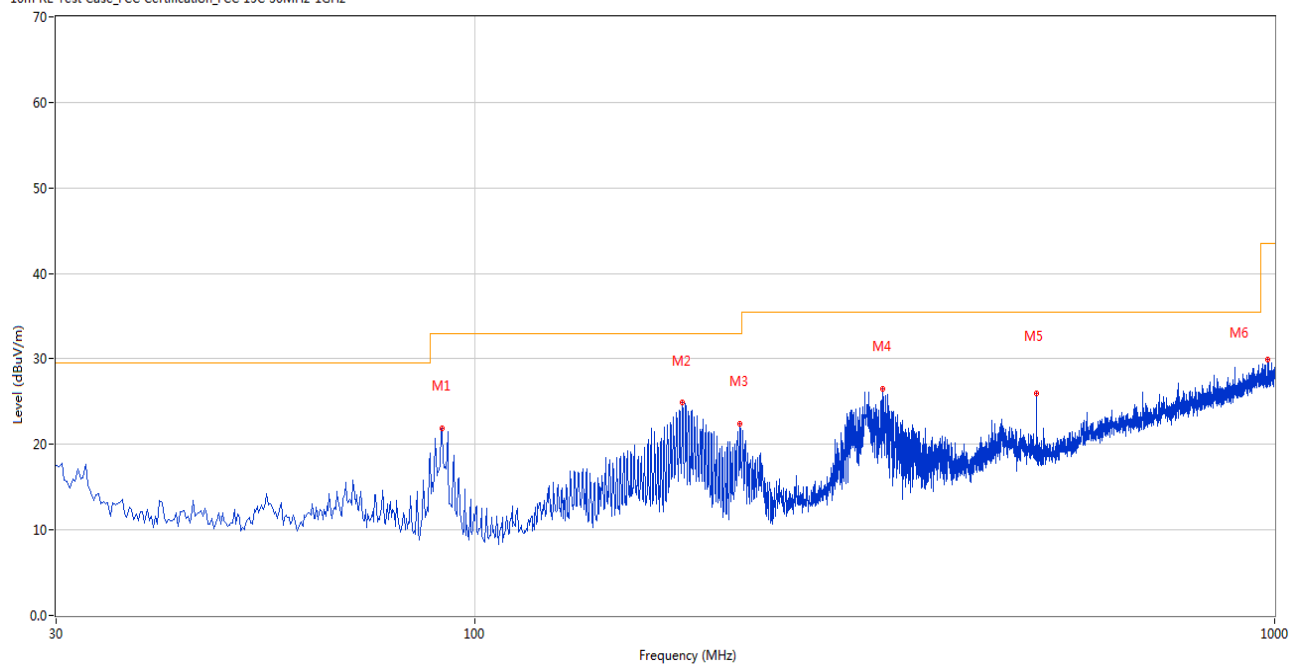
10m RE Test Case_FCC Certification_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	33.879	16.88	-26.96	29.5	12.62	Peak	360.00	200	Horizontal	Pass
2	127.946	15.67	-27.47	33.0	17.33	Peak	107.00	100	Horizontal	Pass
3	324.564	25.65	-25.00	35.5	9.85	Peak	275.00	200	Horizontal	Pass
4	503.969	29.29	-20.31	35.5	6.21	Peak	253.00	200	Horizontal	Pass
5	550.275	29.52	-18.72	35.5	5.98	Peak	243.00	200	Horizontal	Pass
6	950.785	30.17	-9.56	35.5	5.33	Peak	237.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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



No.	Frequency (MHz)	Results (dBUV/m)	Factor (dB)	Limit (dBUV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	91.095	21.95	-30.21	33.0	11.05	Peak	172.00	100	Vertical	Pass
2	182.009	24.85	-27.75	33.0	8.15	Peak	285.00	100	Vertical	Pass
3	214.739	22.43	-29.32	33.0	10.57	Peak	193.00	100	Vertical	Pass
4	323.352	26.52	-25.23	35.5	8.98	Peak	248.00	100	Vertical	Pass
5	503.969	26.00	-20.31	35.5	9.50	Peak	264.00	100	Vertical	Pass
6	980.605	29.88	-9.32	43.5	13.62	Peak	360.00	200	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	1499.600	37.29	74.0	36.71	Peak	279.00	300	Horizontal	Pass
1**	1499.600	27.83	54.0	26.17	AV	279.00	300	Horizontal	Pass
2	3987.000	47.84	74.0	26.16	Peak	83.00	300	Horizontal	Pass
2**	3987.000	38.29	54.0	15.71	AV	83.00	300	Horizontal	Pass
3	5181.200	102.33	--	--	Peak	52.00	200	Horizontal	N/A
3**	5181.200	94.65	--	--	AV	52.00	200	Horizontal	N/A
4	7450.513	45.90	74.0	28.10	Peak	69.00	100	Horizontal	Pass
4**	7450.513	36.85	54.0	17.15	AV	69.00	100	Horizontal	Pass
5	10903.675	47.68	74.0	26.32	Peak	339.00	200	Horizontal	Pass
5**	10903.675	38.28	54.0	15.72	AV	339.00	200	Horizontal	Pass
6	16089.000	49.92	74.0	24.08	Peak	177.00	400	Horizontal	Pass
6**	16089.000	39.53	54.0	14.47	AV	177.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1469.200	38.08	74.0	35.92	Peak	360.00	100	Vertical	Pass
1**	1469.200	27.33	54.0	26.67	AV	360.00	100	Vertical	Pass
2	4102.800	47.30	74.0	26.70	Peak	0.00	100	Vertical	Pass
2**	4102.800	38.38	54.0	15.62	AV	0.00	100	Vertical	Pass
3	5181.400	102.93	--	--	Peak	177.00	150	Vertical	N/A
3**	5181.400	94.84	--	--	AV	177.00	150	Vertical	N/A
4	7548.550	45.77	74.0	28.23	Peak	0.00	100	Vertical	Pass
4**	7548.550	36.91	54.0	17.09	AV	0.00	100	Vertical	Pass
5	11913.375	47.50	74.0	26.50	Peak	241.00	150	Vertical	Pass
5**	11913.375	38.73	54.0	15.27	AV	241.00	150	Vertical	Pass
6	15446.400	49.73	74.0	24.27	Peak	202.00	100	Vertical	Pass
6**	15446.400	40.16	54.0	13.84	AV	202.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1481.800	37.60	74.0	36.40	Peak	318.00	300	Horizontal	Pass
1**	1481.800	28.41	54.0	25.59	AV	318.00	300	Horizontal	Pass
2	4202.200	48.47	74.0	25.53	Peak	271.00	300	Horizontal	Pass
2**	4202.200	39.63	54.0	14.37	AV	271.00	300	Horizontal	Pass
3	5218.600	102.13	--	--	Peak	316.00	200	Horizontal	N/A
3**	5218.600	95.10	--	--	AV	316.00	200	Horizontal	N/A
4	7391.288	45.77	74.0	28.23	Peak	21.00	100	Horizontal	Pass
4**	7391.288	36.23	54.0	17.77	AV	21.00	100	Horizontal	Pass
5	11141.151	47.11	74.0	26.89	Peak	0.00	200	Horizontal	Pass
5**	11141.151	36.80	54.0	17.20	AV	0.00	200	Horizontal	Pass
6	15570.037	49.92	74.0	24.08	Peak	0.00	300	Horizontal	Pass
6**	15570.037	40.58	54.0	13.42	AV	0.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.300	37.89	74.0	36.11	Peak	302.00	400	Vertical	Pass
1**	1497.300	28.54	54.0	25.46	AV	302.00	400	Vertical	Pass
2	4228.600	48.15	74.0	25.85	Peak	189.00	100	Vertical	Pass
2**	4228.600	38.55	54.0	15.45	AV	189.00	100	Vertical	Pass
3	5220.800	102.40	--	--	Peak	189.00	100	Vertical	N/A
3**	5220.800	95.00	--	--	AV	189.00	100	Vertical	N/A
4	7437.287	45.69	74.0	28.31	Peak	0.00	300	Vertical	Pass
4**	7437.287	36.32	54.0	17.68	AV	0.00	300	Vertical	Pass
5	11892.388	47.91	74.0	26.09	Peak	168.00	100	Vertical	Pass
5**	11892.388	38.38	54.0	15.62	AV	168.00	100	Vertical	Pass
6	15465.562	49.66	74.0	24.34	Peak	360.00	400	Vertical	Pass
6**	15465.562	40.61	54.0	13.39	AV	360.00	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	1507.800	38.09	74.0	35.91	Peak	0.00	400	Horizontal	Pass
1**	1507.800	29.12	54.0	24.88	AV	0.00	400	Horizontal	Pass
2	4298.000	47.53	74.0	26.47	Peak	240.00	300	Horizontal	Pass
2**	4298.000	38.21	54.0	15.79	AV	240.00	300	Horizontal	Pass
3	5238.800	102.78	--	--	Peak	51.00	150	Horizontal	N/A
3**	5238.800	95.98	--	--	AV	51.00	150	Horizontal	N/A
4	7490.187	46.07	74.0	27.93	Peak	191.00	400	Horizontal	Pass
4**	7490.187	36.40	54.0	17.60	AV	191.00	400	Horizontal	Pass
5	12484.924	47.48	74.0	26.52	Peak	118.00	200	Horizontal	Pass
5**	12484.924	37.94	54.0	16.06	AV	118.00	200	Horizontal	Pass
6	15452.701	50.27	74.0	23.73	Peak	174.00	200	Horizontal	Pass
6**	15452.701	40.19	54.0	13.81	AV	174.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.500	39.71	74.0	34.29	Peak	39.00	100	Vertical	Pass
1**	1494.500	28.93	54.0	25.07	AV	39.00	100	Vertical	Pass
2	4027.000	48.06	74.0	25.94	Peak	161.00	200	Vertical	Pass
2**	4027.000	39.01	54.0	14.99	AV	161.00	200	Vertical	Pass
3	5238.800	103.98	--	--	Peak	192.00	200	Vertical	N/A
3**	5238.800	97.09	--	--	AV	192.00	200	Vertical	N/A
4	7447.925	46.44	74.0	27.56	Peak	338.00	300	Vertical	Pass
4**	7447.925	37.03	54.0	16.97	AV	338.00	300	Vertical	Pass
5	11900.151	47.34	74.0	26.66	Peak	289.00	100	Vertical	Pass
5**	11900.151	38.33	54.0	15.67	AV	289.00	100	Vertical	Pass
6	15580.276	50.35	74.0	23.65	Peak	336.00	400	Vertical	Pass
6**	15580.276	40.95	54.0	13.05	AV	336.00	400	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	1501.200	37.80	74.0	36.20	Peak	305.00	300	Horizontal	Pass
1**	1501.200	28.62	54.0	25.38	AV	305.00	300	Horizontal	Pass
2	4377.400	47.98	74.0	26.02	Peak	82.00	300	Horizontal	Pass
2**	4377.400	38.25	54.0	15.75	AV	82.00	300	Horizontal	Pass
3	5178.000	102.00	--	--	Peak	301.00	200	Horizontal	N/A
3**	5178.000	94.85	--	--	AV	301.00	200	Horizontal	N/A
4	7514.050	45.51	74.0	28.49	Peak	360.00	400	Horizontal	Pass
4**	7514.050	36.66	54.0	17.34	AV	360.00	400	Horizontal	Pass
5	11893.250	47.23	74.0	26.77	Peak	289.00	200	Horizontal	Pass
5**	11893.250	38.19	54.0	15.81	AV	289.00	200	Horizontal	Pass
6	15454.537	49.74	74.0	24.26	Peak	255.00	300	Horizontal	Pass
6**	15454.537	40.82	54.0	13.18	AV	255.00	300	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	1493.300	38.30	74.0	35.70	Peak	154.00	300	Vertical	Pass
1**	1493.300	29.05	54.0	24.95	AV	154.00	300	Vertical	Pass
2	4231.800	47.80	74.0	26.20	Peak	255.00	300	Vertical	Pass
2**	4231.800	38.33	54.0	15.67	AV	255.00	300	Vertical	Pass
3	5177.800	102.81	--	--	Peak	176.00	200	Vertical	N/A
3**	5177.800	95.50	--	--	AV	176.00	200	Vertical	N/A
4	7365.125	45.34	74.0	28.66	Peak	145.00	200	Vertical	Pass
4**	7365.125	36.63	54.0	17.37	AV	145.00	200	Vertical	Pass
5	11244.937	47.22	74.0	26.78	Peak	220.00	100	Vertical	Pass
5**	11244.937	37.07	54.0	16.93	AV	220.00	100	Vertical	Pass
6	15587.888	50.06	74.0	23.94	Peak	360.00	200	Vertical	Pass
6**	15587.888	40.25	54.0	13.75	AV	360.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.700	37.63	74.0	36.37	Peak	337.00	400	Horizontal	Pass
1**	1500.700	28.56	54.0	25.44	AV	337.00	400	Horizontal	Pass
2	4140.800	47.48	74.0	26.52	Peak	302.00	400	Horizontal	Pass
2**	4140.800	38.47	54.0	15.53	AV	302.00	400	Horizontal	Pass
3	5222.000	104.81	--	--	Peak	317.00	150	Horizontal	N/A
3**	5222.000	95.92	--	--	AV	317.00	150	Horizontal	N/A
4	7488.750	46.23	74.0	27.77	Peak	46.00	400	Horizontal	Pass
4**	7488.750	36.10	54.0	17.90	AV	46.00	400	Horizontal	Pass
5	11917.975	48.30	74.0	25.70	Peak	267.00	200	Horizontal	Pass
5**	11917.975	37.82	54.0	16.18	AV	267.00	200	Horizontal	Pass
6	15912.863	50.30	74.0	23.70	Peak	202.00	100	Horizontal	Pass
6**	15912.863	39.73	54.0	14.27	AV	202.00	100	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	1540.400	37.81	74.0	36.19	Peak	29.00	400	Vertical	Pass
1**	1540.400	27.93	54.0	26.07	AV	29.00	400	Vertical	Pass
2	4131.600	47.68	74.0	26.32	Peak	316.00	200	Vertical	Pass
2**	4131.600	37.87	54.0	16.13	AV	316.00	200	Vertical	Pass
3	5221.600	103.02	--	--	Peak	192.00	100	Vertical	N/A
3**	5221.600	96.49	--	--	AV	192.00	100	Vertical	N/A
4	7477.250	45.56	74.0	28.44	Peak	118.00	400	Vertical	Pass
4**	7477.250	36.05	54.0	17.95	AV	118.00	400	Vertical	Pass
5	11889.512	48.19	74.0	25.81	Peak	118.00	150	Vertical	Pass
5**	11889.512	38.72	54.0	15.28	AV	118.00	150	Vertical	Pass
6	15803.138	50.44	74.0	23.56	Peak	93.00	400	Vertical	Pass
6**	15803.138	39.82	54.0	14.18	AV	93.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1505.700	37.06	74.0	36.94	Peak	22.00	400	Horizontal	Pass
1**	1505.700	28.21	54.0	25.79	AV	22.00	400	Horizontal	Pass
2	4380.000	47.85	74.0	26.15	Peak	333.00	200	Horizontal	Pass
2**	4380.000	38.23	54.0	15.77	AV	333.00	200	Horizontal	Pass
3	5238.400	103.37	--	--	Peak	316.00	150	Horizontal	N/A
3**	5238.400	95.99	--	--	AV	316.00	150	Horizontal	N/A
4	7444.763	45.68	74.0	28.32	Peak	70.00	300	Horizontal	Pass
4**	7444.763	36.58	54.0	17.42	AV	70.00	300	Horizontal	Pass
5	11911.363	47.21	74.0	26.79	Peak	70.00	100	Horizontal	Pass
5**	11911.363	37.87	54.0	16.13	AV	70.00	100	Horizontal	Pass
6	15770.588	50.60	74.0	23.40	Peak	0.00	200	Horizontal	Pass
6**	15770.588	39.15	54.0	14.85	AV	0.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.800	38.33	74.0	35.67	Peak	303.00	400	Vertical	Pass
1**	1497.800	31.63	54.0	22.37	AV	303.00	400	Vertical	Pass
2	4388.200	47.87	74.0	26.13	Peak	81.00	400	Vertical	Pass
2**	4388.200	37.97	54.0	16.03	AV	81.00	400	Vertical	Pass
3	5237.800	104.19	--	--	Peak	176.00	200	Vertical	N/A
3**	5237.800	97.19	--	--	AV	176.00	200	Vertical	N/A
4	7529.000	45.45	74.0	28.55	Peak	190.00	200	Vertical	Pass
4**	7529.000	37.09	54.0	16.91	AV	190.00	200	Vertical	Pass
5	11314.224	47.92	74.0	26.08	Peak	311.00	150	Vertical	Pass
5**	11314.224	38.02	54.0	15.98	AV	311.00	150	Vertical	Pass
6	16059.338	50.23	74.0	23.77	Peak	92.00	300	Vertical	Pass
6**	16059.338	40.41	54.0	13.59	AV	92.00	300	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	1584.300	37.61	74.0	36.39	Peak	0.00	200	Horizontal	Pass
1**	1584.300	27.69	54.0	26.31	AV	0.00	200	Horizontal	Pass
2	4183.600	47.73	74.0	26.27	Peak	229.00	200	Horizontal	Pass
2**	4183.600	38.45	54.0	15.55	AV	229.00	200	Horizontal	Pass
3	5191.400	100.20	--	--	Peak	168.00	200	Horizontal	N/A
3**	5191.400	92.60	--	--	AV	168.00	200	Horizontal	N/A
4	7691.725	45.93	74.0	28.07	Peak	360.00	100	Horizontal	Pass
4**	7691.725	35.88	54.0	18.12	AV	360.00	100	Horizontal	Pass
5	11777.675	47.44	74.0	26.56	Peak	339.00	100	Horizontal	Pass
5**	11777.675	36.85	54.0	17.15	AV	339.00	100	Horizontal	Pass
6	15538.537	48.81	74.0	25.19	Peak	77.00	300	Horizontal	Pass
6**	15538.537	39.54	54.0	14.46	AV	77.00	300	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	1511.900	38.39	74.0	35.61	Peak	129.00	100	Vertical	Pass
1**	1511.900	30.70	54.0	23.30	AV	129.00	100	Vertical	Pass
2	4152.600	47.35	74.0	26.65	Peak	276.00	400	Vertical	Pass
2**	4152.600	38.28	54.0	15.72	AV	276.00	400	Vertical	Pass
3	5187.800	101.36	--	--	Peak	168.00	150	Vertical	N/A
3**	5187.800	93.66	--	--	AV	168.00	150	Vertical	N/A
4	7357.650	45.99	74.0	28.01	Peak	242.00	400	Vertical	Pass
4**	7357.650	36.21	54.0	17.79	AV	242.00	400	Vertical	Pass
5	12433.175	46.95	74.0	27.05	Peak	193.00	100	Vertical	Pass
5**	12433.175	37.40	54.0	16.60	AV	193.00	100	Vertical	Pass
6	15577.125	49.47	74.0	24.53	Peak	24.00	100	Vertical	Pass
6**	15577.125	40.31	54.0	13.69	AV	24.00	100	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	1512.300	37.19	74.0	36.81	Peak	105.00	100	Horizontal	Pass
1**	1512.300	32.26	54.0	21.74	AV	105.00	100	Horizontal	Pass
2	4152.400	47.57	74.0	26.43	Peak	123.00	200	Horizontal	Pass
2**	4152.400	38.43	54.0	15.57	AV	123.00	200	Horizontal	Pass
3	5227.200	101.51	--	--	Peak	154.00	200	Horizontal	N/A
3**	5227.200	94.55	--	--	AV	154.00	200	Horizontal	N/A
4	7466.612	46.23	74.0	27.77	Peak	4.00	100	Horizontal	Pass
4**	7466.612	35.46	54.0	18.54	AV	4.00	100	Horizontal	Pass
5	11880.025	47.41	74.0	26.59	Peak	195.00	100	Horizontal	Pass
5**	11880.025	38.13	54.0	15.87	AV	195.00	100	Horizontal	Pass
6	15575.550	49.96	74.0	24.04	Peak	23.00	100	Horizontal	Pass
6**	15575.550	40.55	54.0	13.45	AV	23.00	100	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	1503.400	37.79	74.0	36.21	Peak	127.00	100	Vertical	Pass
1**	1503.400	28.09	54.0	25.91	AV	127.00	100	Vertical	Pass
2	4244.000	47.73	74.0	26.27	Peak	277.00	200	Vertical	Pass
2**	4244.000	38.13	54.0	15.87	AV	277.00	200	Vertical	Pass
3	5231.800	103.72	--	--	Peak	153.00	150	Vertical	N/A
3**	5231.800	96.55	--	--	AV	153.00	150	Vertical	N/A
4	7443.612	45.57	74.0	28.43	Peak	147.00	200	Vertical	Pass
4**	7443.612	37.01	54.0	16.99	AV	147.00	200	Vertical	Pass
5	12557.662	47.57	74.0	26.43	Peak	316.00	150	Vertical	Pass
5**	12557.662	37.35	54.0	16.65	AV	316.00	150	Vertical	Pass
6	15614.925	48.79	74.0	25.21	Peak	0.00	200	Vertical	Pass
6**	15614.925	38.87	54.0	15.13	AV	0.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.400	38.00	74.0	36.00	Peak	106.00	200	Horizontal	Pass
1**	1511.400	28.99	54.0	25.01	AV	106.00	200	Horizontal	Pass
2	4366.000	47.71	74.0	26.29	Peak	58.00	100	Horizontal	Pass
2**	4366.000	38.47	54.0	15.53	AV	58.00	100	Horizontal	Pass
3	5178.800	103.96	--	--	Peak	167.00	100	Horizontal	N/A
3**	5178.800	96.82	--	--	AV	167.00	100	Horizontal	N/A
4	7440.737	46.45	74.0	27.55	Peak	51.00	400	Horizontal	Pass
4**	7440.737	37.10	54.0	16.90	AV	51.00	400	Horizontal	Pass
5	11476.088	46.86	74.0	27.14	Peak	0.00	100	Horizontal	Pass
5**	11476.088	37.68	54.0	16.32	AV	0.00	100	Horizontal	Pass
6	15525.937	49.76	74.0	24.24	Peak	266.00	400	Horizontal	Pass
6**	15525.937	40.29	54.0	13.71	AV	266.00	400	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	1497.000	38.47	74.0	35.53	Peak	101.00	400	Vertical	Pass
1**	1497.000	27.67	54.0	26.33	AV	101.00	400	Vertical	Pass
2	4096.200	47.61	74.0	26.39	Peak	324.00	200	Vertical	Pass
2**	4096.200	37.94	54.0	16.06	AV	324.00	200	Vertical	Pass
3	5176.400	105.04	--	--	Peak	169.00	200	Vertical	N/A
3**	5176.400	97.41	--	--	AV	169.00	200	Vertical	N/A
4	7445.338	45.74	74.0	28.26	Peak	0.00	100	Vertical	Pass
4**	7445.338	37.55	54.0	16.45	AV	0.00	100	Vertical	Pass
5	12574.050	46.95	74.0	27.05	Peak	244.00	200	Vertical	Pass
5**	12574.050	37.18	54.0	16.82	AV	244.00	200	Vertical	Pass
6	15532.500	50.09	74.0	23.91	Peak	159.00	400	Vertical	Pass
6**	15532.500	40.07	54.0	13.93	AV	159.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.100	37.83	74.0	36.17	Peak	104.00	100	Horizontal	Pass
1**	1512.100	32.03	54.0	21.97	AV	104.00	100	Horizontal	Pass
2	4388.600	47.31	74.0	26.69	Peak	220.00	100	Horizontal	Pass
2**	4388.600	38.66	54.0	15.34	AV	220.00	100	Horizontal	Pass
3	5218.400	104.75	--	--	Peak	156.00	100	Horizontal	N/A
3**	5218.400	97.38	--	--	AV	156.00	100	Horizontal	N/A
4	7443.900	45.62	74.0	28.38	Peak	266.00	200	Horizontal	Pass
4**	7443.900	37.44	54.0	16.56	AV	266.00	200	Horizontal	Pass
5	11040.238	46.67	74.0	27.33	Peak	73.00	100	Horizontal	Pass
5**	11040.238	37.83	54.0	16.17	AV	73.00	100	Horizontal	Pass
6	15583.688	49.35	74.0	24.65	Peak	50.00	400	Horizontal	Pass
6**	15583.688	40.54	54.0	13.46	AV	50.00	400	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	1562.300	37.76	74.0	36.24	Peak	126.00	400	Vertical	Pass
1**	1562.300	27.48	54.0	26.52	AV	126.00	400	Vertical	Pass
2	3866.400	47.63	74.0	26.37	Peak	90.00	400	Vertical	Pass
2**	3866.400	37.02	54.0	16.98	AV	90.00	400	Vertical	Pass
3	5218.800	107.00	--	--	Peak	169.00	150	Vertical	N/A
3**	5218.800	99.96	--	--	AV	169.00	150	Vertical	N/A
4	7528.138	45.76	74.0	28.24	Peak	75.00	300	Vertical	Pass
4**	7528.138	37.03	54.0	16.97	AV	75.00	300	Vertical	Pass
5	12493.263	47.43	74.0	26.57	Peak	171.00	100	Vertical	Pass
5**	12493.263	37.58	54.0	16.42	AV	171.00	100	Vertical	Pass
6	16034.400	49.35	74.0	24.65	Peak	360.00	100	Vertical	Pass
6**	16034.400	40.23	54.0	13.77	AV	360.00	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	1512.600	36.98	74.0	37.02	Peak	101.00	300	Horizontal	Pass
1**	1512.600	29.73	54.0	24.27	AV	101.00	300	Horizontal	Pass
2	4227.400	48.27	74.0	25.73	Peak	0.00	100	Horizontal	Pass
2**	4227.400	38.60	54.0	15.40	AV	0.00	100	Horizontal	Pass
3	5241.200	104.93	--	--	Peak	162.00	150	Horizontal	N/A
3**	5241.200	98.26	--	--	AV	162.00	150	Horizontal	N/A
4	7535.037	45.98	74.0	28.02	Peak	336.00	300	Horizontal	Pass
4**	7535.037	37.09	54.0	16.91	AV	336.00	300	Horizontal	Pass
5	11898.713	46.62	74.0	27.38	Peak	23.00	150	Horizontal	Pass
5**	11898.713	37.60	54.0	16.40	AV	23.00	150	Horizontal	Pass
6	15564.262	49.37	74.0	24.63	Peak	237.00	400	Horizontal	Pass
6**	15564.262	40.11	54.0	13.89	AV	237.00	400	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	1497.600	37.04	74.0	36.96	Peak	80.00	300	Vertical	Pass
1**	1497.600	29.38	54.0	24.62	AV	80.00	300	Vertical	Pass
2	4379.400	47.73	74.0	26.27	Peak	46.00	400	Vertical	Pass
2**	4379.400	38.21	54.0	15.79	AV	46.00	400	Vertical	Pass
3	5238.800	107.62	--	--	Peak	154.00	100	Vertical	N/A
3**	5238.800	100.62	--	--	AV	154.00	100	Vertical	N/A
4	7355.638	46.33	74.0	27.67	Peak	121.00	300	Vertical	Pass
4**	7355.638	35.74	54.0	18.26	AV	121.00	300	Vertical	Pass
5	12445.537	46.72	74.0	27.28	Peak	0.00	150	Vertical	Pass
5**	12445.537	37.82	54.0	16.18	AV	0.00	150	Vertical	Pass
6	15351.375	49.84	74.0	24.16	Peak	185.00	100	Vertical	Pass
6**	15351.375	40.25	54.0	13.75	AV	185.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.100	37.63	74.0	36.37	Peak	101.00	100	Horizontal	Pass
1**	1512.100	31.89	54.0	22.11	AV	101.00	100	Horizontal	Pass
2	4377.600	48.34	74.0	25.66	Peak	340.00	100	Horizontal	Pass
2**	4377.600	38.54	54.0	15.46	AV	340.00	100	Horizontal	Pass
3	5193.000	100.07	--	--	Peak	168.00	200	Horizontal	N/A
3**	5193.000	92.35	--	--	AV	168.00	200	Horizontal	N/A
4	7477.825	45.99	74.0	28.01	Peak	147.00	200	Horizontal	Pass
4**	7477.825	36.24	54.0	17.76	AV	147.00	200	Horizontal	Pass
5	12488.950	47.32	74.0	26.68	Peak	316.00	200	Horizontal	Pass
5**	12488.950	37.69	54.0	16.31	AV	316.00	200	Horizontal	Pass
6	15584.737	48.73	74.0	25.27	Peak	26.00	300	Horizontal	Pass
6**	15584.737	39.75	54.0	14.25	AV	26.00	300	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	1498.700	37.74	74.0	36.26	Peak	52.00	200	Vertical	Pass
1**	1498.700	28.09	54.0	25.91	AV	52.00	200	Vertical	Pass
2	4344.200	47.66	74.0	26.34	Peak	234.00	300	Vertical	Pass
2**	4344.200	38.26	54.0	15.74	AV	234.00	300	Vertical	Pass
3	5192.000	101.63	--	--	Peak	170.00	150	Vertical	N/A
3**	5192.000	94.05	--	--	AV	170.00	150	Vertical	N/A
4	7428.375	46.16	74.0	27.84	Peak	244.00	400	Vertical	Pass
4**	7428.375	36.78	54.0	17.22	AV	244.00	400	Vertical	Pass
5	11891.237	47.17	74.0	26.83	Peak	340.00	150	Vertical	Pass
5**	11891.237	38.04	54.0	15.96	AV	340.00	150	Vertical	Pass
6	15570.037	49.85	74.0	24.15	Peak	78.00	100	Vertical	Pass
6**	15570.037	40.45	54.0	13.55	AV	78.00	100	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	1512.400	37.65	74.0	36.35	Peak	97.00	300	Horizontal	Pass
1**	1512.400	32.42	54.0	21.58	AV	97.00	300	Horizontal	Pass
2	4360.000	48.28	74.0	25.72	Peak	43.00	300	Horizontal	Pass
2**	4360.000	38.13	54.0	15.87	AV	43.00	300	Horizontal	Pass
3	5232.200	101.02	--	--	Peak	169.00	200	Horizontal	N/A
3**	5232.200	93.23	--	--	AV	169.00	200	Horizontal	N/A
4	7446.200	46.11	74.0	27.89	Peak	290.00	100	Horizontal	Pass
4**	7446.200	36.97	54.0	17.03	AV	290.00	100	Horizontal	Pass
5	12290.000	47.40	74.0	26.60	Peak	2.00	100	Horizontal	Pass
5**	12290.000	36.76	54.0	17.24	AV	2.00	100	Horizontal	Pass
6	15574.237	49.40	74.0	24.60	Peak	24.00	300	Horizontal	Pass
6**	15574.237	40.98	54.0	13.02	AV	24.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.800	38.16	74.0	35.84	Peak	90.00	400	Vertical	Pass
1**	1494.800	27.80	54.0	26.20	AV	90.00	400	Vertical	Pass
2	4344.400	47.78	74.0	26.22	Peak	263.00	100	Vertical	Pass
2**	4344.400	37.67	54.0	16.33	AV	263.00	100	Vertical	Pass
3	5231.600	102.87	--	--	Peak	154.00	150	Vertical	N/A
3**	5231.600	94.93	--	--	AV	154.00	150	Vertical	N/A
4	7395.888	46.36	74.0	27.64	Peak	315.00	200	Vertical	Pass
4**	7395.888	38.60	54.0	15.40	AV	315.00	200	Vertical	Pass
5	11039.950	46.95	74.0	27.05	Peak	0.00	100	Vertical	Pass
5**	11039.950	36.82	54.0	17.18	AV	0.00	100	Vertical	Pass
6	15567.938	49.38	74.0	24.62	Peak	51.00	200	Vertical	Pass
6**	15567.938	41.54	54.0	12.46	AV	51.00	200	Vertical	Pass

11ac80, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1481.900	38.01	74.0	35.99	Peak	123.00	200	Horizontal	Pass
1**	1481.900	27.60	54.0	26.40	AV	123.00	200	Horizontal	Pass
2	4307.600	48.25	74.0	25.75	Peak	263.00	100	Horizontal	Pass
2**	4307.600	38.47	54.0	15.53	AV	263.00	100	Horizontal	Pass
3	5213.800	94.08	--	--	Peak	153.00	200	Horizontal	N/A
3**	5213.800	87.51	--	--	AV	153.00	200	Horizontal	N/A
4	7444.475	47.27	74.0	26.73	Peak	171.00	200	Horizontal	Pass
4**	7444.475	37.21	54.0	16.79	AV	171.00	200	Horizontal	Pass
5	12602.225	46.98	74.0	27.02	Peak	171.00	150	Horizontal	Pass
5**	12602.225	37.38	54.0	16.62	AV	171.00	150	Horizontal	Pass
6	15543.000	49.74	74.0	24.26	Peak	360.00	100	Horizontal	Pass
6**	15543.000	41.11	54.0	12.89	AV	360.00	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	1493.300	38.29	74.0	35.71	Peak	106.00	400	Vertical	Pass
1**	1493.300	27.64	54.0	26.36	AV	106.00	400	Vertical	Pass
2	3965.600	47.72	74.0	26.28	Peak	122.00	100	Vertical	Pass
2**	3965.600	37.33	54.0	16.67	AV	122.00	100	Vertical	Pass
3	5212.000	96.63	--	--	Peak	168.00	100	Vertical	N/A
3**	5212.000	88.78	--	--	AV	168.00	100	Vertical	N/A
4	7438.437	45.60	74.0	28.40	Peak	1.00	200	Vertical	Pass
4**	7438.437	37.35	54.0	16.65	AV	1.00	200	Vertical	Pass
5	12444.963	46.73	74.0	27.27	Peak	266.00	150	Vertical	Pass
5**	12444.963	37.82	54.0	16.18	AV	266.00	150	Vertical	Pass
6	15587.363	49.73	74.0	24.27	Peak	103.00	100	Vertical	Pass
6**	15587.363	39.81	54.0	14.19	AV	103.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.200	37.48	74.0	36.52	Peak	98.00	100	Horizontal	Pass
1**	1512.200	32.01	54.0	21.99	AV	98.00	100	Horizontal	Pass
2	4336.400	47.41	74.0	26.59	Peak	168.00	200	Horizontal	Pass
2**	4336.400	38.03	54.0	15.97	AV	168.00	200	Horizontal	Pass
3	5743.400	107.68	--	--	Peak	153.00	150	Horizontal	N/A
3**	5743.400	100.02	--	--	AV	153.00	150	Horizontal	N/A
4	7518.075	46.36	74.0	27.64	Peak	48.00	100	Horizontal	Pass
4**	7518.075	37.13	54.0	16.87	AV	48.00	100	Horizontal	Pass
5	12480.612	46.85	74.0	27.15	Peak	145.00	150	Horizontal	Pass
5**	12480.612	37.84	54.0	16.16	AV	145.00	150	Horizontal	Pass
6	15808.912	49.65	74.0	24.35	Peak	0.00	200	Horizontal	Pass
6**	15808.912	39.35	54.0	14.65	AV	0.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1506.100	38.32	74.0	35.68	Peak	113.00	200	Vertical	Pass
1**	1506.100	27.44	54.0	26.56	AV	113.00	200	Vertical	Pass
2	4233.400	47.60	74.0	26.40	Peak	201.00	200	Vertical	Pass
2**	4233.400	38.69	54.0	15.31	AV	201.00	200	Vertical	Pass
3	5748.400	109.28	--	--	Peak	355.00	150	Vertical	N/A
3**	5748.400	101.64	--	--	AV	355.00	150	Vertical	N/A
4	7379.212	46.46	74.0	27.54	Peak	50.00	200	Vertical	Pass
4**	7379.212	35.94	54.0	18.06	AV	50.00	200	Vertical	Pass
5	11303.300	47.11	74.0	26.89	Peak	340.00	200	Vertical	Pass
5**	11303.300	37.62	54.0	16.38	AV	340.00	200	Vertical	Pass
6	15552.713	50.68	74.0	23.32	Peak	244.00	400	Vertical	Pass
6**	15552.713	39.86	54.0	14.14	AV	244.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.900	38.14	74.0	35.86	Peak	106.00	300	Horizontal	Pass
1**	1511.900	32.74	54.0	21.26	AV	106.00	300	Horizontal	Pass
2	4385.400	47.48	74.0	26.52	Peak	115.00	100	Horizontal	Pass
2**	4385.400	38.12	54.0	15.88	AV	115.00	100	Horizontal	Pass
3	5783.600	109.47	--	--	Peak	150.00	200	Horizontal	N/A
3**	5783.600	101.87	--	--	AV	150.00	200	Horizontal	N/A
4	7434.700	46.02	74.0	27.98	Peak	0.00	100	Horizontal	Pass
4**	7434.700	37.04	54.0	16.96	AV	0.00	100	Horizontal	Pass
5	12570.599	47.06	74.0	26.94	Peak	263.00	100	Horizontal	Pass
5**	12570.599	36.99	54.0	17.01	AV	263.00	100	Horizontal	Pass
6	15571.350	50.15	74.0	23.85	Peak	26.00	400	Horizontal	Pass
6**	15571.350	41.25	54.0	12.75	AV	26.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1487.200	37.62	74.0	36.38	Peak	29.00	200	Vertical	Pass
1**	1487.200	28.16	54.0	25.84	AV	29.00	200	Vertical	Pass
2	4228.400	47.91	74.0	26.09	Peak	28.00	300	Vertical	Pass
2**	4228.400	37.95	54.0	16.05	AV	28.00	300	Vertical	Pass
3	5784.000	109.73	--	--	Peak	355.00	100	Vertical	N/A
3**	5784.000	102.21	--	--	AV	355.00	100	Vertical	N/A
4	7393.300	45.97	74.0	28.03	Peak	216.00	300	Vertical	Pass
4**	7393.300	36.31	54.0	17.69	AV	216.00	300	Vertical	Pass
5	11899.862	47.17	74.0	26.83	Peak	191.00	100	Vertical	Pass
5**	11899.862	37.28	54.0	16.72	AV	191.00	100	Vertical	Pass
6	15525.151	49.48	74.0	24.52	Peak	53.00	300	Vertical	Pass
6**	15525.151	40.07	54.0	13.93	AV	53.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1472.200	37.57	74.0	36.43	Peak	44.00	100	Horizontal	Pass
1**	1472.200	26.81	54.0	27.19	AV	44.00	100	Horizontal	Pass
2	4230.000	47.67	74.0	26.33	Peak	91.00	400	Horizontal	Pass
2**	4230.000	38.16	54.0	15.84	AV	91.00	400	Horizontal	Pass
3	5827.400	108.08	--	--	Peak	156.00	100	Horizontal	N/A
3**	5827.400	100.67	--	--	AV	156.00	100	Horizontal	N/A
4	7522.675	46.21	74.0	27.79	Peak	169.00	100	Horizontal	Pass
4**	7522.675	36.79	54.0	17.21	AV	169.00	100	Horizontal	Pass
5	12465.950	46.97	74.0	27.03	Peak	24.00	200	Horizontal	Pass
5**	12465.950	37.19	54.0	16.81	AV	24.00	200	Horizontal	Pass
6	15578.438	49.99	74.0	24.01	Peak	360.00	400	Horizontal	Pass
6**	15578.438	41.18	54.0	12.82	AV	360.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1622.000	37.28	74.0	36.72	Peak	360.00	300	Vertical	Pass
1**	1622.000	27.81	54.0	26.19	AV	360.00	300	Vertical	Pass
2	4227.400	47.53	74.0	26.47	Peak	89.00	300	Vertical	Pass
2**	4227.400	38.06	54.0	15.94	AV	89.00	300	Vertical	Pass
3	5826.600	108.11	--	--	Peak	360.00	100	Vertical	N/A
3**	5826.600	101.77	--	--	AV	360.00	100	Vertical	N/A
4	7482.138	45.64	74.0	28.36	Peak	3.00	300	Vertical	Pass
4**	7482.138	37.34	54.0	16.66	AV	3.00	300	Vertical	Pass
5	12455.888	46.53	74.0	27.47	Peak	171.00	150	Vertical	Pass
5**	12455.888	37.37	54.0	16.63	AV	171.00	150	Vertical	Pass
6	15578.963	49.61	74.0	24.39	Peak	160.00	200	Vertical	Pass
6**	15578.963	40.34	54.0	13.66	AV	160.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.900	38.37	74.0	35.63	Peak	93.00	400	Horizontal	Pass
1**	1511.900	31.97	54.0	22.03	AV	93.00	400	Horizontal	Pass
2	4003.000	47.66	74.0	26.34	Peak	154.00	400	Horizontal	Pass
2**	4003.000	37.48	54.0	16.52	AV	154.00	400	Horizontal	Pass
3	5746.000	108.05	--	--	Peak	139.00	200	Horizontal	N/A
3**	5746.000	101.10	--	--	AV	139.00	200	Horizontal	N/A
4	7499.962	45.60	74.0	28.40	Peak	0.00	200	Horizontal	Pass
4**	7499.962	36.63	54.0	17.37	AV	0.00	200	Horizontal	Pass
5	12498.437	47.14	74.0	26.86	Peak	242.00	100	Horizontal	Pass
5**	12498.437	37.47	54.0	16.53	AV	242.00	100	Horizontal	Pass
6	16016.287	49.03	74.0	24.97	Peak	0.00	300	Horizontal	Pass
6**	16016.287	40.61	54.0	13.39	AV	0.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.400	38.95	74.0	35.05	Peak	88.00	200	Vertical	Pass
1**	1500.400	29.17	54.0	24.83	AV	88.00	200	Vertical	Pass
2	4098.000	47.46	74.0	26.54	Peak	140.00	100	Vertical	Pass
2**	4098.000	37.65	54.0	16.35	AV	140.00	100	Vertical	Pass
3	5745.600	110.87	--	--	Peak	349.00	200	Vertical	N/A
3**	5745.600	103.61	--	--	AV	349.00	200	Vertical	N/A
4	7405.663	46.29	74.0	27.71	Peak	217.00	200	Vertical	Pass
4**	7405.663	36.82	54.0	17.18	AV	217.00	200	Vertical	Pass
5	11594.250	47.48	74.0	26.52	Peak	168.00	150	Vertical	Pass
5**	11594.250	37.38	54.0	16.62	AV	168.00	150	Vertical	Pass
6	15811.276	49.07	74.0	24.93	Peak	188.00	200	Vertical	Pass
6**	15811.276	40.18	54.0	13.82	AV	188.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.800	37.28	74.0	36.72	Peak	92.00	200	Horizontal	Pass
1**	1511.800	31.21	54.0	22.79	AV	92.00	200	Horizontal	Pass
2	3937.000	47.35	74.0	26.65	Peak	249.00	300	Horizontal	Pass
2**	3937.000	36.53	54.0	17.47	AV	249.00	300	Horizontal	Pass
3	5784.000	110.71	--	--	Peak	140.00	100	Horizontal	N/A
3**	5784.000	103.48	--	--	AV	140.00	100	Horizontal	N/A
4	7532.450	45.74	74.0	28.26	Peak	360.00	400	Horizontal	Pass
4**	7532.450	37.61	54.0	16.39	AV	360.00	400	Horizontal	Pass
5	11912.225	47.16	74.0	26.84	Peak	0.00	150	Horizontal	Pass
5**	11912.225	36.74	54.0	17.26	AV	0.00	150	Horizontal	Pass
6	15581.062	50.06	74.0	23.94	Peak	106.00	300	Horizontal	Pass
6**	15581.062	40.53	54.0	13.47	AV	106.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.400	37.01	74.0	36.99	Peak	131.00	300	Vertical	Pass
1**	1496.400	27.91	54.0	26.09	AV	131.00	300	Vertical	Pass
2	4152.400	47.52	74.0	26.48	Peak	61.00	100	Vertical	Pass
2**	4152.400	37.26	54.0	16.74	AV	61.00	100	Vertical	Pass
3	5782.400	111.32	--	--	Peak	348.00	150	Vertical	N/A
3**	5782.400	104.24	--	--	AV	348.00	150	Vertical	N/A
4	7558.612	45.51	74.0	28.49	Peak	0.00	300	Vertical	Pass
4**	7558.612	35.87	54.0	18.13	AV	0.00	300	Vertical	Pass
5	12579.800	47.25	74.0	26.75	Peak	143.00	200	Vertical	Pass
5**	12579.800	37.44	54.0	16.56	AV	143.00	200	Vertical	Pass
6	15576.863	50.62	74.0	23.38	Peak	0.00	100	Vertical	Pass
6**	15576.863	40.73	54.0	13.27	AV	0.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1493.900	38.05	74.0	35.95	Peak	150.00	200	Horizontal	Pass
1**	1493.900	27.17	54.0	26.83	AV	150.00	200	Horizontal	Pass
2	4089.200	47.83	74.0	26.17	Peak	28.00	400	Horizontal	Pass
2**	4089.200	37.94	54.0	16.06	AV	28.00	400	Horizontal	Pass
3	5823.400	110.85	--	--	Peak	153.00	100	Horizontal	N/A
3**	5823.400	103.97	--	--	AV	153.00	100	Horizontal	N/A
4	7440.163	45.71	74.0	28.29	Peak	23.00	100	Horizontal	Pass
4**	7440.163	37.02	54.0	16.98	AV	23.00	100	Horizontal	Pass
5	11464.013	47.18	74.0	26.82	Peak	340.00	200	Horizontal	Pass
5**	11464.013	37.17	54.0	16.83	AV	340.00	200	Horizontal	Pass
6	16157.776	49.54	74.0	24.46	Peak	104.00	400	Horizontal	Pass
6**	16157.776	39.64	54.0	14.36	AV	104.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1448.100	38.21	74.0	35.79	Peak	98.00	300	Vertical	Pass
1**	1448.100	27.93	54.0	26.07	AV	98.00	300	Vertical	Pass
2	4229.800	47.84	74.0	26.16	Peak	154.00	100	Vertical	Pass
2**	4229.800	38.01	54.0	15.99	AV	154.00	100	Vertical	Pass
3	5824.400	111.18	--	--	Peak	346.00	200	Vertical	N/A
3**	5824.400	103.40	--	--	AV	346.00	200	Vertical	N/A
4	7525.550	45.39	74.0	28.61	Peak	23.00	300	Vertical	Pass
4**	7525.550	36.80	54.0	17.20	AV	23.00	300	Vertical	Pass
5	12492.112	47.13	74.0	26.87	Peak	96.00	200	Vertical	Pass
5**	12492.112	37.40	54.0	16.60	AV	96.00	200	Vertical	Pass
6	15575.812	49.59	74.0	24.41	Peak	302.00	100	Vertical	Pass
6**	15575.812	40.91	54.0	13.09	AV	302.00	100	Vertical	Pass

11n40, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1561.100	37.34	74.0	36.66	Peak	38.00	300	Horizontal	Pass
1**	1561.100	27.74	54.0	26.26	AV	38.00	300	Horizontal	Pass
2	3679.800	47.20	74.0	26.80	Peak	145.00	300	Horizontal	Pass
2**	3679.800	38.77	54.0	15.23	AV	145.00	300	Horizontal	Pass
3	5759.200	105.30	--	--	Peak	145.00	200	Horizontal	N/A
3**	5759.200	97.22	--	--	AV	145.00	200	Horizontal	N/A
4	7445.050	46.18	74.0	27.82	Peak	72.00	200	Horizontal	Pass
4**	7445.050	36.89	54.0	17.11	AV	72.00	200	Horizontal	Pass
5	12462.500	46.62	74.0	27.38	Peak	266.00	150	Horizontal	Pass
5**	12462.500	37.99	54.0	16.01	AV	266.00	150	Horizontal	Pass
6	15749.325	49.35	74.0	24.65	Peak	25.00	200	Horizontal	Pass
6**	15749.325	39.39	54.0	14.61	AV	25.00	200	Horizontal	Pass

11n40, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1510.600	37.00	74.0	37.00	Peak	0.00	400	Vertical	Pass
1**	1510.600	27.66	54.0	26.34	AV	0.00	400	Vertical	Pass
2	4003.600	47.67	74.0	26.33	Peak	58.00	300	Vertical	Pass
2**	4003.600	39.16	54.0	14.84	AV	58.00	300	Vertical	Pass
3	5756.400	106.72	--	--	Peak	357.00	200	Vertical	N/A
3**	5756.400	99.65	--	--	AV	357.00	200	Vertical	N/A
4	7440.450	45.71	74.0	28.29	Peak	97.00	200	Vertical	Pass
4**	7440.450	37.07	54.0	16.93	AV	97.00	200	Vertical	Pass
5	12601.362	47.33	74.0	26.67	Peak	0.00	200	Vertical	Pass
5**	12601.362	38.81	54.0	15.19	AV	0.00	200	Vertical	Pass
6	15450.075	49.58	74.0	24.42	Peak	267.00	200	Vertical	Pass
6**	15450.075	40.25	54.0	13.75	AV	267.00	200	Vertical	Pass

11n40, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.200	37.78	74.0	36.22	Peak	91.00	200	Horizontal	Pass
1**	1512.200	32.61	54.0	21.39	AV	91.00	200	Horizontal	Pass
2	4229.200	47.43	74.0	26.57	Peak	327.00	400	Horizontal	Pass
2**	4229.200	38.77	54.0	15.23	AV	327.00	400	Horizontal	Pass
3	5823.000	108.77	--	--	Peak	153.00	150	Horizontal	N/A
3**	5823.000	100.76	--	--	AV	153.00	150	Horizontal	N/A
4	7368.288	45.56	74.0	28.44	Peak	0.00	100	Horizontal	Pass
4**	7368.288	35.83	54.0	18.17	AV	0.00	100	Horizontal	Pass
5	11898.138	47.00	74.0	27.00	Peak	241.00	150	Horizontal	Pass
5**	11898.138	37.65	54.0	16.35	AV	241.00	150	Horizontal	Pass
6	15902.099	48.83	74.0	25.17	Peak	24.00	300	Horizontal	Pass
6**	15902.099	38.65	54.0	15.35	AV	24.00	300	Horizontal	Pass

11n40, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.000	38.90	74.0	35.10	Peak	92.00	100	Vertical	Pass
1**	1499.000	28.07	54.0	25.93	AV	92.00	100	Vertical	Pass
2	4235.600	47.91	74.0	26.09	Peak	275.00	300	Vertical	Pass
2**	4235.600	39.23	54.0	14.77	AV	275.00	300	Vertical	Pass
3	5826.400	109.52	--	--	Peak	360.00	150	Vertical	N/A
3**	5826.400	101.88	--	--	AV	360.00	150	Vertical	N/A
4	7683.962	46.22	74.0	27.78	Peak	195.00	200	Vertical	Pass
4**	7683.962	35.38	54.0	18.62	AV	195.00	200	Vertical	Pass
5	11579.013	46.78	74.0	27.22	Peak	195.00	150	Vertical	Pass
5**	11579.013	36.81	54.0	17.19	AV	195.00	150	Vertical	Pass
6	15575.026	49.32	74.0	24.68	Peak	293.00	400	Vertical	Pass
6**	15575.026	40.00	54.0	14.00	AV	293.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.600	37.17	74.0	36.83	Peak	103.00	300	Horizontal	Pass
1**	1512.600	30.28	54.0	23.72	AV	103.00	300	Horizontal	Pass
2	4228.400	47.74	74.0	26.26	Peak	153.00	200	Horizontal	Pass
2**	4228.400	38.30	54.0	15.70	AV	153.00	200	Horizontal	Pass
3	5797.000	106.34	--	--	Peak	153.00	100	Horizontal	N/A
3**	5797.000	98.50	--	--	AV	153.00	100	Horizontal	N/A
4	7529.288	46.42	74.0	27.58	Peak	122.00	100	Horizontal	Pass
4**	7529.288	37.42	54.0	16.58	AV	122.00	100	Horizontal	Pass
5	12459.912	46.62	74.0	27.38	Peak	340.00	150	Horizontal	Pass
5**	12459.912	38.14	54.0	15.86	AV	340.00	150	Horizontal	Pass
6	15562.951	49.27	74.0	24.73	Peak	157.00	400	Horizontal	Pass
6**	15562.951	39.84	54.0	14.16	AV	157.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.700	37.39	74.0	36.61	Peak	29.00	300	Vertical	Pass
1**	1511.700	29.21	54.0	24.79	AV	29.00	300	Vertical	Pass
2	4055.600	47.57	74.0	26.43	Peak	105.00	400	Vertical	Pass
2**	4055.600	37.56	54.0	16.44	AV	105.00	400	Vertical	Pass
3	5793.400	107.55	--	--	Peak	355.00	200	Vertical	N/A
3**	5793.400	100.09	--	--	AV	355.00	200	Vertical	N/A
4	7336.663	45.64	74.0	28.36	Peak	195.00	200	Vertical	Pass
4**	7336.663	36.26	54.0	17.74	AV	195.00	200	Vertical	Pass
5	12560.538	46.80	74.0	27.20	Peak	22.00	200	Vertical	Pass
5**	12560.538	37.50	54.0	16.50	AV	22.00	200	Vertical	Pass
6	15575.550	49.72	74.0	24.28	Peak	54.00	150	Vertical	Pass
6**	15575.550	40.46	54.0	13.54	AV	54.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1550.400	37.51	74.0	36.49	Peak	128.00	400	Horizontal	Pass
1**	1550.400	27.31	54.0	26.69	AV	128.00	400	Horizontal	Pass
2	4061.800	47.60	74.0	26.40	Peak	360.00	300	Horizontal	Pass
2**	4061.800	38.61	54.0	15.39	AV	360.00	300	Horizontal	Pass
3	5744.000	107.70	--	--	Peak	152.00	150	Horizontal	N/A
3**	5744.000	100.51	--	--	AV	152.00	150	Horizontal	N/A
4	7442.750	45.69	74.0	28.31	Peak	219.00	100	Horizontal	Pass
4**	7442.750	37.19	54.0	16.81	AV	219.00	100	Horizontal	Pass
5	12597.049	46.35	74.0	27.65	Peak	291.00	200	Horizontal	Pass
5**	12597.049	37.53	54.0	16.47	AV	291.00	200	Horizontal	Pass
6	15816.263	48.78	74.0	25.22	Peak	191.00	150	Horizontal	Pass
6**	15816.263	39.18	54.0	14.82	AV	191.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1539.800	37.76	74.0	36.24	Peak	148.00	200	Vertical	Pass
1**	1539.800	27.41	54.0	26.59	AV	148.00	200	Vertical	Pass
2	4214.800	47.90	74.0	26.10	Peak	259.00	400	Vertical	Pass
2**	4214.800	37.94	54.0	16.06	AV	259.00	400	Vertical	Pass
3	5742.600	110.73	--	--	Peak	150.00	200	Vertical	N/A
3**	5742.600	102.06	--	--	AV	150.00	200	Vertical	N/A
4	7447.063	46.60	74.0	27.40	Peak	289.00	300	Vertical	Pass
4**	7447.063	37.88	54.0	16.12	AV	289.00	300	Vertical	Pass
5	12554.787	47.51	74.0	26.49	Peak	265.00	100	Vertical	Pass
5**	12554.787	37.55	54.0	16.45	AV	265.00	100	Vertical	Pass
6	15746.175	49.97	74.0	24.03	Peak	360.00	400	Vertical	Pass
6**	15746.175	39.49	54.0	14.51	AV	360.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.500	37.41	74.0	36.59	Peak	102.00	300	Horizontal	Pass
1**	1512.500	31.50	54.0	22.50	AV	102.00	300	Horizontal	Pass
2	4117.600	47.51	74.0	26.49	Peak	12.00	300	Horizontal	Pass
2**	4117.600	37.90	54.0	16.10	AV	12.00	300	Horizontal	Pass
3	5783.600	110.13	--	--	Peak	152.00	200	Horizontal	N/A
3**	5783.600	102.22	--	--	AV	152.00	200	Horizontal	N/A
4	7531.875	46.43	74.0	27.57	Peak	220.00	400	Horizontal	Pass
4**	7531.875	36.49	54.0	17.51	AV	220.00	400	Horizontal	Pass
5	12503.900	47.31	74.0	26.69	Peak	28.00	100	Horizontal	Pass
5**	12503.900	37.42	54.0	16.58	AV	28.00	100	Horizontal	Pass
6	15551.925	49.65	74.0	24.35	Peak	344.00	300	Horizontal	Pass
6**	15551.925	40.45	54.0	13.55	AV	344.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1502.400	39.38	74.0	34.62	Peak	94.00	300	Vertical	Pass
1**	1502.400	28.60	54.0	25.40	AV	94.00	300	Vertical	Pass
2	4235.000	47.61	74.0	26.39	Peak	294.00	300	Vertical	Pass
2**	4235.000	38.74	54.0	15.26	AV	294.00	300	Vertical	Pass
3	5783.000	110.75	--	--	Peak	356.00	150	Vertical	N/A
3**	5783.000	103.01	--	--	AV	356.00	150	Vertical	N/A
4	7436.425	46.84	74.0	27.16	Peak	315.00	200	Vertical	Pass
4**	7436.425	36.32	54.0	17.68	AV	315.00	200	Vertical	Pass
5	12482.050	47.23	74.0	26.77	Peak	28.00	200	Vertical	Pass
5**	12482.050	37.83	54.0	16.17	AV	28.00	200	Vertical	Pass
6	15415.425	49.59	74.0	24.41	Peak	293.00	100	Vertical	Pass
6**	15415.425	39.16	54.0	14.84	AV	293.00	100	Vertical	Pass

11ac40, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.000	37.63	74.0	36.37	Peak	102.00	400	Horizontal	Pass
1**	1512.000	31.70	54.0	22.30	AV	102.00	400	Horizontal	Pass
2	4227.800	47.42	74.0	26.58	Peak	227.00	200	Horizontal	Pass
2**	4227.800	38.24	54.0	15.76	AV	227.00	200	Horizontal	Pass
3	5761.400	105.08	--	--	Peak	145.00	150	Horizontal	N/A
3**	5761.400	98.24	--	--	AV	145.00	150	Horizontal	N/A
4	7407.675	46.01	74.0	27.99	Peak	80.00	100	Horizontal	Pass
4**	7407.675	35.94	54.0	18.06	AV	80.00	100	Horizontal	Pass
5	12455.888	47.81	74.0	26.19	Peak	313.00	100	Horizontal	Pass
5**	12455.888	37.73	54.0	16.27	AV	313.00	100	Horizontal	Pass
6	15804.713	48.93	74.0	25.07	Peak	166.00	300	Horizontal	Pass
6**	15804.713	40.29	54.0	13.71	AV	166.00	300	Horizontal	Pass

11ac40, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.500	38.65	74.0	35.35	Peak	94.00	100	Vertical	Pass
1**	1499.500	28.70	54.0	25.30	AV	94.00	100	Vertical	Pass
2	4380.200	47.67	74.0	26.33	Peak	260.00	200	Vertical	Pass
2**	4380.200	39.06	54.0	14.94	AV	260.00	200	Vertical	Pass
3	5758.600	107.21	--	--	Peak	360.00	150	Vertical	N/A
3**	5758.600	99.47	--	--	AV	360.00	150	Vertical	N/A
4	7529.288	45.96	74.0	28.04	Peak	133.00	400	Vertical	Pass
4**	7529.288	37.78	54.0	16.22	AV	133.00	400	Vertical	Pass
5	11302.725	47.57	74.0	26.43	Peak	0.00	200	Vertical	Pass
5**	11302.725	37.50	54.0	16.50	AV	0.00	200	Vertical	Pass
6	15881.362	48.68	74.0	25.32	Peak	0.00	300	Vertical	Pass
6**	15881.362	38.83	54.0	15.17	AV	0.00	300	Vertical	Pass

11ac40, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.600	37.34	74.0	36.66	Peak	181.00	100	Horizontal	Pass
1**	1511.600	29.66	54.0	24.34	AV	181.00	100	Horizontal	Pass
2	4343.000	47.26	74.0	26.74	Peak	186.00	400	Horizontal	Pass
2**	4343.000	38.27	54.0	15.73	AV	186.00	400	Horizontal	Pass
3	5793.600	106.51	--	--	Peak	154.00	200	Horizontal	N/A
3**	5793.600	99.38	--	--	AV	154.00	200	Horizontal	N/A
4	7519.225	45.59	74.0	28.41	Peak	0.00	100	Horizontal	Pass
4**	7519.225	36.90	54.0	17.10	AV	0.00	100	Horizontal	Pass
5	11451.938	46.90	74.0	27.10	Peak	360.00	100	Horizontal	Pass
5**	11451.938	36.88	54.0	17.12	AV	360.00	100	Horizontal	Pass
6	15491.550	49.13	74.0	24.87	Peak	360.00	100	Horizontal	Pass
6**	15491.550	39.60	54.0	14.40	AV	360.00	100	Horizontal	Pass

11ac40, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.900	37.92	74.0	36.08	Peak	123.00	100	Vertical	Pass
1**	1511.900	30.12	54.0	23.88	AV	123.00	100	Vertical	Pass
2	3989.400	47.71	74.0	26.29	Peak	75.00	200	Vertical	Pass
2**	3989.400	37.79	54.0	16.21	AV	75.00	200	Vertical	Pass
3	5790.800	107.33	--	--	Peak	358.00	200	Vertical	N/A
3**	5790.800	99.20	--	--	AV	358.00	200	Vertical	N/A
4	7549.125	45.74	74.0	28.26	Peak	0.00	100	Vertical	Pass
4**	7549.125	36.53	54.0	17.47	AV	0.00	100	Vertical	Pass
5	11877.151	46.73	74.0	27.27	Peak	0.00	150	Vertical	Pass
5**	11877.151	36.60	54.0	17.40	AV	0.00	150	Vertical	Pass
6	15723.338	49.20	74.0	24.80	Peak	0.00	200	Vertical	Pass
6**	15723.338	39.53	54.0	14.47	AV	0.00	200	Vertical	Pass

11ac80, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.100	37.47	74.0	36.53	Peak	104.00	400	Horizontal	Pass
1**	1512.100	32.11	54.0	21.89	AV	104.00	400	Horizontal	Pass
2	3850.000	47.43	74.0	26.57	Peak	107.00	150	Horizontal	Pass
2**	3850.000	41.72	54.0	12.28	AV	107.00	150	Horizontal	Pass
3	5780.400	100.92	--	--	Peak	156.00	100	Horizontal	N/A
3**	5780.400	93.52	--	--	AV	156.00	100	Horizontal	N/A
4	7399.625	46.23	74.0	27.77	Peak	314.00	300	Horizontal	Pass
4**	7399.625	36.49	54.0	17.51	AV	314.00	300	Horizontal	Pass
5	12460.775	47.43	74.0	26.57	Peak	69.00	100	Horizontal	Pass
5**	12460.775	38.39	54.0	15.61	AV	69.00	100	Horizontal	Pass
6	15560.588	49.40	74.0	24.60	Peak	290.00	100	Horizontal	Pass
6**	15560.588	40.48	54.0	13.52	AV	290.00	100	Horizontal	Pass

11ac80, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1528.500	38.01	74.0	35.99	Peak	83.00	200	Vertical	Pass
1**	1528.500	28.96	54.0	25.04	AV	83.00	200	Vertical	Pass
2	3901.600	47.50	74.0	26.50	Peak	1.00	200	Vertical	Pass
2**	3901.600	37.92	54.0	16.08	AV	1.00	200	Vertical	Pass
3	5783.000	102.97	--	--	Peak	360.00	100	Vertical	N/A
3**	5783.000	94.06	--	--	AV	360.00	100	Vertical	N/A
4	7475.237	45.74	74.0	28.26	Peak	61.00	400	Vertical	Pass
4**	7475.237	35.86	54.0	18.14	AV	61.00	400	Vertical	Pass
5	11320.838	46.98	74.0	27.02	Peak	250.00	200	Vertical	Pass
5**	11320.838	37.96	54.0	16.04	AV	250.00	200	Vertical	Pass
6	15815.737	49.68	74.0	24.32	Peak	360.00	400	Vertical	Pass
6**	15815.737	40.04	54.0	13.96	AV	360.00	400	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

Test Band	Mode	Channel	Verdict
U-NII-1	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass
U-NII-3	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5146.425	59.99	74.0	14.01	Peak	339.00	150	Vertical	Pass
1**	5146.425	49.03	54.0	4.97	AV	339.00	150	Vertical	Pass
2	5150.000	59.49	74.0	14.51	Peak	200.00	200	Vertical	Pass
2**	5150.000	49.57	54.0	4.43	AV	200.00	200	Vertical	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	57.35	74.0	16.65	Peak	163.00	200	Vertical	Pass
1**	5350.000	47.05	54.0	6.95	AV	163.00	200	Vertical	Pass
2	5444.160	59.72	74.0	14.28	Peak	342.00	200	Vertical	Pass
2**	5444.160	47.87	54.0	6.13	AV	342.00	200	Vertical	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	5147.075	60.65	74.0	13.35	Peak	168.00	200	Vertical	Pass
1**	5147.075	49.41	54.0	4.59	AV	168.00	200	Vertical	Pass
2	5150.000	61.09	74.0	12.91	Peak	148.00	200	Vertical	Pass
2**	5150.000	49.61	54.0	4.39	AV	148.00	200	Vertical	Pass

U-NII-1 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.88	74.0	16.12	Peak	343.00	200	Vertical	Pass
1**	5350.000	47.15	54.0	6.85	AV	343.00	200	Vertical	Pass
2	5454.940	59.89	74.0	14.11	Peak	178.00	100	Vertical	Pass
2**	5454.940	47.76	54.0	6.24	AV	178.00	100	Vertical	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	5143.825	65.63	74.0	8.37	Peak	191.00	150	Vertical	Pass
1**	5143.825	50.19	54.0	3.81	AV	191.00	150	Vertical	Pass
2	5150.000	63.29	74.0	10.71	Peak	166.00	100	Vertical	Pass
2**	5150.000	51.92	54.0	2.08	AV	166.00	100	Vertical	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	57.12	74.0	16.88	Peak	351.00	200	Vertical	Pass
1**	5350.055	47.18	54.0	6.82	AV	351.00	200	Vertical	Pass
2	5361.770	59.32	74.0	14.68	Peak	177.00	200	Vertical	Pass
2**	5361.770	47.41	54.0	6.59	AV	177.00	200	Vertical	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	5149.350	60.40	74.0	13.60	Peak	348.00	100	Vertical	Pass
1**	5149.350	50.04	54.0	3.96	AV	348.00	100	Vertical	Pass
2	5150.000	60.96	74.0	13.04	Peak	171.00	100	Vertical	Pass
2**	5150.000	49.24	54.0	4.76	AV	171.00	100	Vertical	Pass

U-NII-1 11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.06	74.0	16.94	Peak	96.00	150	Vertical	Pass
1**	5350.000	47.17	54.0	6.83	AV	96.00	150	Vertical	Pass
2	5429.585	59.38	74.0	14.62	Peak	360.00	150	Vertical	Pass
2**	5429.585	47.78	54.0	6.22	AV	360.00	150	Vertical	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	63.63	74.0	10.37	Peak	205.00	100	Vertical	Pass
1**	5148.375	51.37	54.0	2.63	AV	205.00	100	Vertical	Pass
2	5150.000	64.15	74.0	9.85	Peak	172.00	200	Vertical	Pass
2**	5150.000	51.48	54.0	2.52	AV	172.00	200	Vertical	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	5350.055	57.50	74.0	16.50	Peak	209.00	200	Vertical	Pass
1**	5350.055	47.30	54.0	6.70	AV	209.00	200	Vertical	Pass
2	5437.560	59.68	74.0	14.32	Peak	101.00	150	Vertical	Pass
2**	5437.560	47.69	54.0	6.31	AV	101.00	150	Vertical	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	5145.775	61.26	74.0	12.74	Peak	155.00	200	Vertical	Pass
1**	5145.775	50.36	54.0	3.64	AV	155.00	200	Vertical	Pass
2	5150.000	60.51	74.0	13.49	Peak	162.00	200	Vertical	Pass
2**	5150.000	51.64	54.0	2.36	AV	162.00	200	Vertical	Pass

U-NII-1 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.44	74.0	16.56	Peak	218.00	200	Vertical	Pass
1**	5350.000	47.34	54.0	6.66	AV	218.00	200	Vertical	Pass
2	5459.725	59.26	74.0	14.74	Peak	360.00	100	Vertical	Pass
2**	5459.725	47.69	54.0	6.31	AV	360.00	100	Vertical	Pass

U-NII-3 11a Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5639.200	61.73	68.2	6.47	Peak	332.00	150	Vertical	Pass
2	5650.000	59.27	68.2	8.93	Peak	347.00	100	Vertical	Pass

U-NII-3 11a High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	60.62	68.2	7.58	Peak	358.00	150	Vertical	Pass
2	5939.850	62.34	68.2	5.86	Peak	114.00	150	Vertical	Pass

U-NII-3 11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5636.900	61.67	68.2	6.53	Peak	279.00	150	Vertical	Pass
2	5650.000	59.67	68.2	8.53	Peak	192.00	150	Vertical	Pass

U-NII-3 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	60.16	68.2	8.04	Peak	207.00	150	Vertical	Pass
2	5940.250	62.56	68.2	5.64	Peak	313.00	150	Vertical	Pass

U-NII-3 11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5647.000	61.82	68.2	6.38	Peak	6.00	200	Vertical	Pass
2	5650.000	60.25	68.2	7.95	Peak	0.00	200	Vertical	Pass

U-NII-3 11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	59.82	68.2	8.38	Peak	215.00	150	Vertical	Pass
2	5930.000	62.20	68.2	6.00	Peak	159.00	200	Vertical	Pass

U-NII-3 11ac20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5635.000	62.17	68.2	6.03	Peak	264.00	150	Vertical	Pass
2	5650.000	60.22	68.2	7.98	Peak	300.00	100	Vertical	Pass

U-NII-3 11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	60.02	68.2	8.18	Peak	360.00	150	Vertical	Pass
2	5946.650	61.98	68.2	6.22	Peak	359.00	150	Vertical	Pass

U-NII-3 11ac40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5646.600	61.74	68.2	6.46	Peak	6.00	200	Vertical	Pass
2	5650.000	60.14	68.2	8.06	Peak	225.00	100	Vertical	Pass

U-NII-3 11ac40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	60.28	68.2	7.92	Peak	129.00	200	Vertical	Pass
2	5931.300	62.28	68.2	5.92	Peak	164.00	100	Vertical	Pass

U-NII-3 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5625.550	63.10	68.2	5.10	Peak	0.00	200	Vertical	Pass
2	5650.000	61.02	68.2	7.18	Peak	0.00	200	Vertical	Pass

U-NII-3 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	60.37	68.2	7.83	Peak	41.00	200	Vertical	Pass
2	5938.250	62.28	68.2	5.92	Peak	258.00	200	Vertical	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2570551-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2570551-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2570551-AI.PDF”.

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