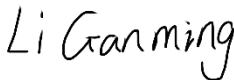


TEST REPORT

Applicant: MEIZU TECHNOLOGY CO., LTD.
Address: MEIZU Tech Bldg, Technology & Innovation Coast,
Zhuhai, 519085, Guangdong, China
Equipment Type: Mobile Phone
Model Name: M512H
Brand Name: MEIZU
FCC ID: 2ANQ6-M512H
Test Standard: 47 CFR Part 15 Subpart E
(refer to section 3.1)
Sample Arrival Date: Dec. 28, 2025
Test Date: Mar. 04, 2025 - Mar. 18, 2025
Date of Issue: Apr. 17, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Li Ganming**Checked by:** Ye Hongji**Approved by:** Sunny Zou
(Technical Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Apr. 17, 2025</u>	<u>Initial Issue</u>

TABLE OF CONTENTS

1	GENERAL INFORMATION	4
1.1	Test Laboratory	4
1.2	Test Location	4
2	PRODUCT INFORMATION	5
2.1	Applicant Information	5
2.2	Manufacturer Information	5
2.3	General Description for Equipment under Test (EUT)	5
2.4	Technical Information	6
2.5	Channel List	7
3	SUMMARY OF TEST RESULTS	9
3.1	Test Standards	9
3.2	Test Verdict	9
4	GENERAL TEST CONFIGURATIONS	10
4.1	Test Environments	10
4.2	Test Equipment List	10
4.3	Test Software List	11
4.4	Measurement Uncertainty	11
4.5	Description of Test Setup	12
5	TEST ITEMS	15
5.1	RF Output Power	15
5.2	Emission Bandwidth and 6 dB Bandwidth	17
5.3	Power Spectral density (PSD)	18
5.4	Conducted Emission	19
5.5	Radiated Spurious Emissions and Band Edge (Restricted-band)	20

ANNEX A	TEST RESULT	25
A.1	RF Output Power	25
A.2	Emission Bandwidth & 99% Bandwidth	26
A.3	6 dB Bandwidth	27
A.4	Power Spectral Density	28
A.5	Conducted Emissions	29
A.6	Radiated Spurious Emissions and Band Edge (Restricted-band).....	31
ANNEX B	TEST SETUP PHOTOS	50
ANNEX C	EUT EXTERNAL PHOTOS.....	50
ANNEX D	EUT INTERNAL PHOTOS.....	50

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	MEIZU TECHNOLOGY CO., LTD.
Address	MEIZU Tech Bldg, Technology & Innovation Coast, Zhuhai, 519085, Guangdong, China

2.2 Manufacturer Information

Manufacturer	MEIZU TECHNOLOGY CO., LTD.
Address	MEIZU Tech Bldg, Technology & Innovation Coast, Zhuhai, 519085, Guangdong, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	M512H
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	V1.0
Software Version	Android 15
Dimensions (Approx.)	170.75mm*77.5mm*8.5mm
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/12/17/18/19/26/66 LTE TDD Band 38/41 Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40) and 802.11ac(VHT20/40/80) GPS, GLONASS, BDS, Galileo, NFC
-----------------------------------	---

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

Frequency Range	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-3: 7.40 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	PIFA Antenna
Antenna Gain	U-NII-3: 5725 MHz to 5850 MHz: 1.80 dBi
About the Product	The equipment is Mobile Phone, 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

Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
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-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)
149	Low	5745
157	Mid	5785
165	High	5825

For 802.11n(HT40)/ac(VHT40)

U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)
151	Low	5755
159	High	5795

For 802.11ac(VHT80)

U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)
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-3
				Channel
RF Output Power	11a	6	BPSK	165/157/149
	11n(20 MHz)	6.5		165/157/149
	11n(40 MHz)	13.5		159/151
	11ac(20 MHz)	6.5		165/157/149
	11ac(40 MHz)	13.5		159/151
	11ac(80 MHz)	29.3		155
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	165/157/149
	11n(20 MHz)	6.5		165/157/149
	11n(40 MHz)	13.5		159/151
	11ac(20 MHz)	6.5		165/157/149
	11ac(40 MHz)	13.5		159/151
	11ac(80 MHz)	29.3		155
6 dB bandwidth	11a	6	BPSK	165/157/149
	11n(20 MHz)	6.5		165/157/149
	11n(40 MHz)	13.5		159/151
	11ac(20 MHz)	6.5		165/157/149
	11ac(40 MHz)	13.5		159/151
	11ac(80 MHz)	29.3		155
Power Spectral Density	11a	6	BPSK	165/157/149
	11n(20 MHz)	6.5		165/157/149
	11n(40 MHz)	13.5		159/151
	11ac(20 MHz)	6.5		165/157/149
	11ac(40 MHz)	13.5		159/151
	11ac(80 MHz)	29.3		155
Radiated Spurious Emissions	11a	6	BPSK	165/157/149
	11n(20 MHz)	6.5		165/157/149
	11n(40 MHz)	13.5		159/151
	11ac(20 MHz)	6.5		165/157/149
	11ac(40 MHz)	13.5		159/151
	11ac(80 MHz)	29.3		155
Band Edge (Restricted-band)	11a	6	BPSK	165/149
	11n(20 MHz)	6.5		165/149
	11n(40 MHz)	13.5		159/151
	11ac(20 MHz)	6.5		165/149
	11ac(40 MHz)	13.5		159/151
	11ac(80 MHz)	29.3		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	41% to 68%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.8℃ to +26.1℃
Working Voltage of the EUT	NV (Normal Voltage)	3.84 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2024.12.16	2025.12.15
Spectrum Analyzer	KEYSIGHT	N9020A	MY46471071	2024.07.04	2025.07.03
Power Sensor	KEYSIGHT	U2063XA	MY58000251	2024.07.04	2025.07.03
Spectrum Analyzer	KEYSIGHT	N9020A	MY50531259	2024.08.01	2025.07.31
Signaling Unit	ROHDE&SCHWARZ	CMW500	171150	2024.05.22	2025.05.21
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-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	N9038A	MY53220118	2024.08.01	2025.07.31
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	9163-624	2024.07.06	2027.07.05
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22
Amplifier	COM-MV	ZT30-1000M	B2017119082	2024.11.28	2025.11.27
Anechoic Chamber	RAINFORD	9m*6m*6m	101	2023.03.04	2026.03.03
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	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%

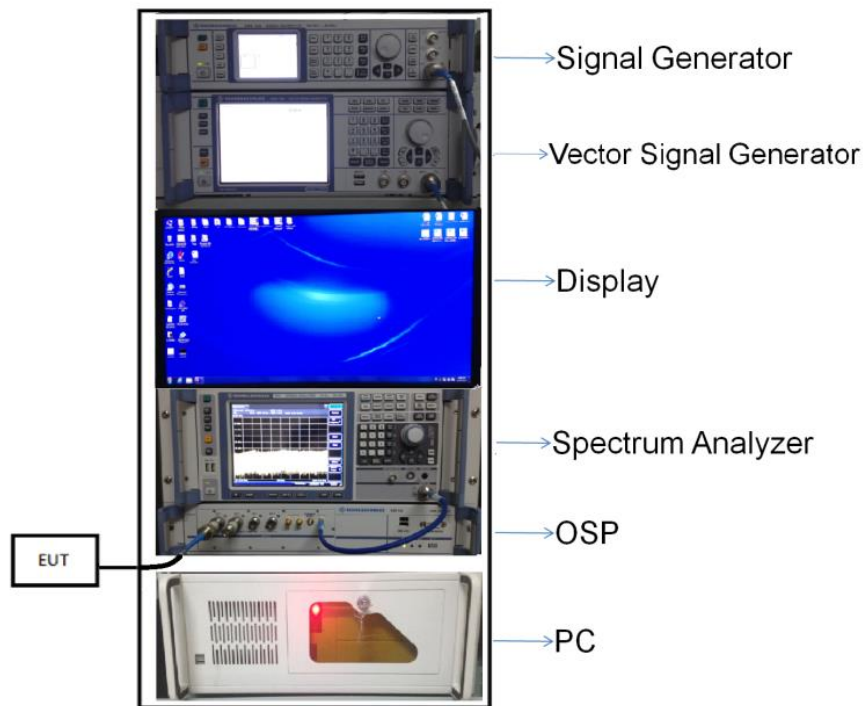
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

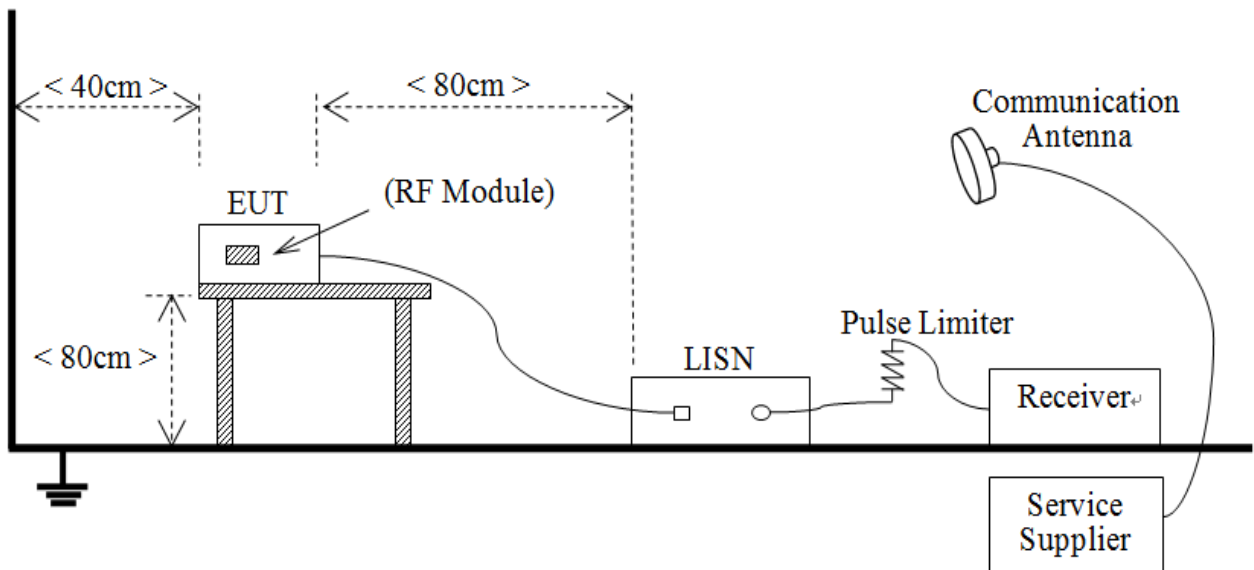
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



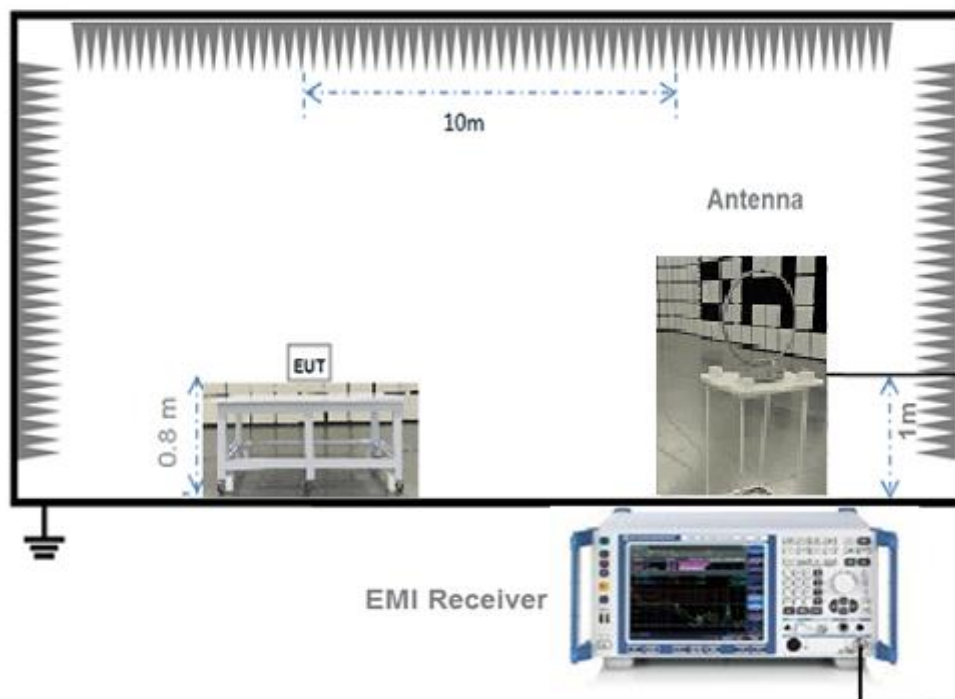
(Diagram 1)

4.5.2 For AC Power Supply Port Test



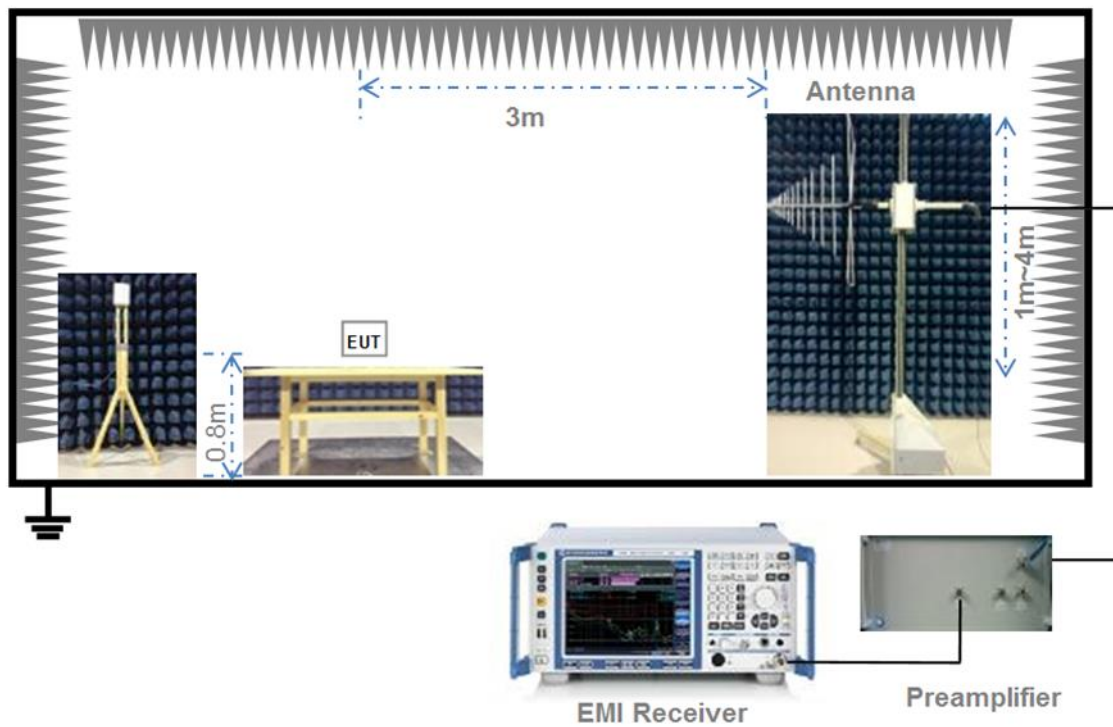
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



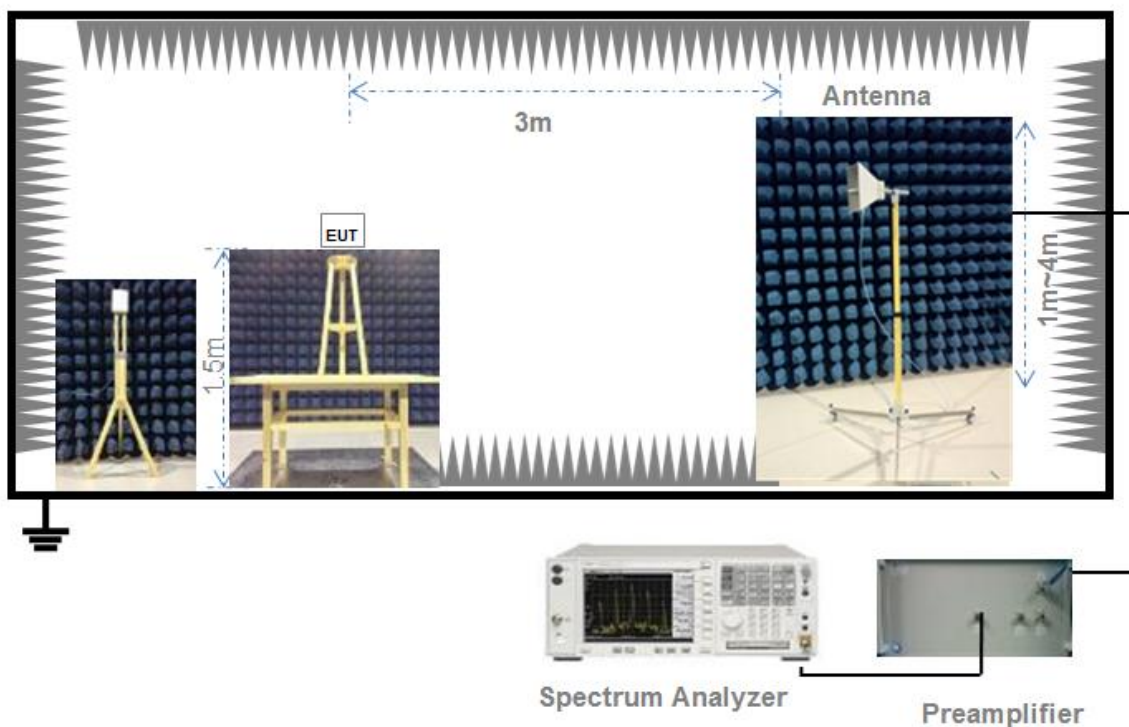
(Diagram 3)

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)

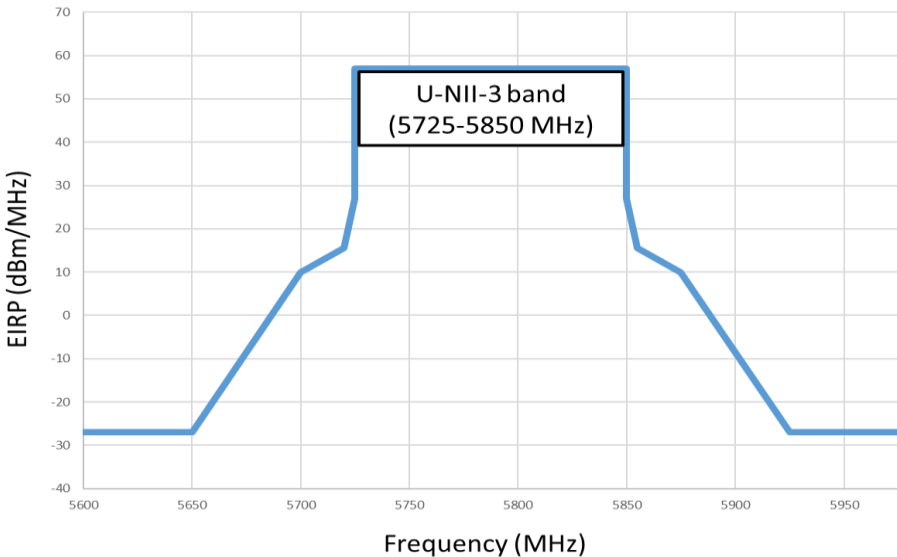
5.5.1 Limit

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.

Un-restricted band emissions	
Out Operating Band (MHz)	Limit
5150 - 5250	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5250 - 5350	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5470 - 5725	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5725 - 5850	All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. 

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

5.5.2 Test Setup

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

5.5.3 Test Procedure

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

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

General Procedure for conducted measurements in restricted bands

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

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

where:

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

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

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

Quasi-Peak measurement procedure

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

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

emission limits using a peak detector.

Peak power measurement procedure

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

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

Table 1—RBW as a function of frequency

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

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

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

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

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

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

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

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

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

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

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

Determining the applicable transmit antenna gain

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

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

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

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

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

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

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	1.39	1.44	96.87%	0.14
11n(HT20)/11ac(VHT20)	1.31	1.36	96.46%	0.16
11n(HT40)/11ac(VHT40)	0.65	0.70	93.57%	0.29
11ac(VHT80)	0.32	0.37	87.79%	0.57

Test Data

Conducted Power

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	8.69	7.40	1000	Pass
11a	CH157	8.50	7.08	1000	Pass
11a	CH165	8.63	7.29	1000	Pass
11n(HT20)	CH149	8.50	7.08	1000	Pass
11n(HT20)	CH157	8.34	6.82	1000	Pass
11n(HT20)	CH165	8.49	7.06	1000	Pass
11n(HT40)	CH151	8.35	6.84	1000	Pass
11n(HT40)	CH159	8.38	6.89	1000	Pass
11ac(VHT20)	CH149	8.52	7.11	1000	Pass
11ac(VHT20)	CH157	8.36	6.85	1000	Pass
11ac(VHT20)	CH165	8.46	7.01	1000	Pass
11ac(VHT40)	CH151	8.39	6.90	1000	Pass
11ac(VHT40)	CH159	8.41	6.93	1000	Pass
11ac(VHT80)	CH155	8.58	7.21	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2520111-606 Data Part 1.pdf".

Test Data

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	20.02	16.48
11a	CH157	20.10	16.50
11a	CH165	19.96	16.48
11n(HT20)	CH149	20.40	17.58
11n(HT20)	CH157	20.37	17.58
11n(HT20)	CH165	20.40	17.59
11n(HT40)	CH151	40.80	36.04
11n(HT40)	CH159	40.67	36.05
11ac(VHT20)	CH149	20.39	17.58
11ac(VHT20)	CH157	20.39	17.57
11ac(VHT20)	CH165	20.33	17.58
11ac(VHT40)	CH151	40.65	36.04
11ac(VHT40)	CH159	40.74	36.04
11ac(VHT80)	CH155	81.10	75.35

A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2520111-606 Data Part 2.pdf".

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.30	500.00	Pass
11a	CH157	15.30	500.00	Pass
11a	CH165	15.20	500.00	Pass
11n(HT20)	CH149	15.30	500.00	Pass
11n(HT20)	CH157	15.30	500.00	Pass
11n(HT20)	CH165	15.30	500.00	Pass
11n(HT40)	CH151	35.30	500.00	Pass
11n(HT40)	CH159	35.30	500.00	Pass
11ac(VHT20)	CH149	15.30	500.00	Pass
11ac(VHT20)	CH157	15.30	500.00	Pass
11ac(VHT20)	CH165	15.30	500.00	Pass
11ac(VHT40)	CH151	35.30	500.00	Pass
11ac(VHT40)	CH159	35.30	500.00	Pass
11ac(VHT80)	CH155	75.40	500.00	Pass

A.4 Power Spectral Density

Note ¹: Test plots please refer to the document “Annex No.: BL-SZ2520111-606 Data Part 3.pdf”.

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-4.32	30.00	Pass
11a	CH157	-5.04	30.00	Pass
11a	CH165	-4.45	30.00	Pass
11n(HT20)	CH149	-5.24	30.00	Pass
11n(HT20)	CH157	-4.89	30.00	Pass
11n(HT20)	CH165	-5.29	30.00	Pass
11n(HT40)	CH151	-7.74	30.00	Pass
11n(HT40)	CH159	-7.70	30.00	Pass
11ac(VHT20)	CH149	-5.33	30.00	Pass
11ac(VHT20)	CH157	-4.78	30.00	Pass
11ac(VHT20)	CH165	-5.22	30.00	Pass
11ac(VHT40)	CH151	-7.64	30.00	Pass
11ac(VHT40)	CH159	-8.36	30.00	Pass
11ac(VHT80)	CH155	-10.59	30.00	Pass

A.5 Conducted Emissions

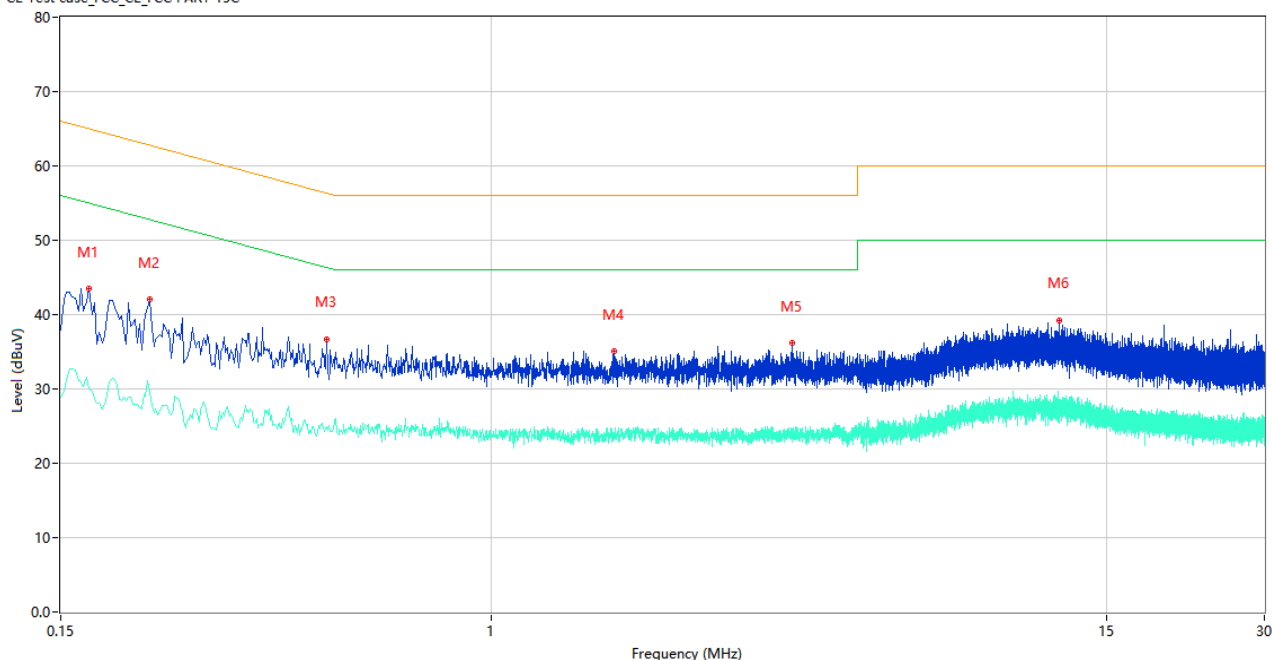
Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

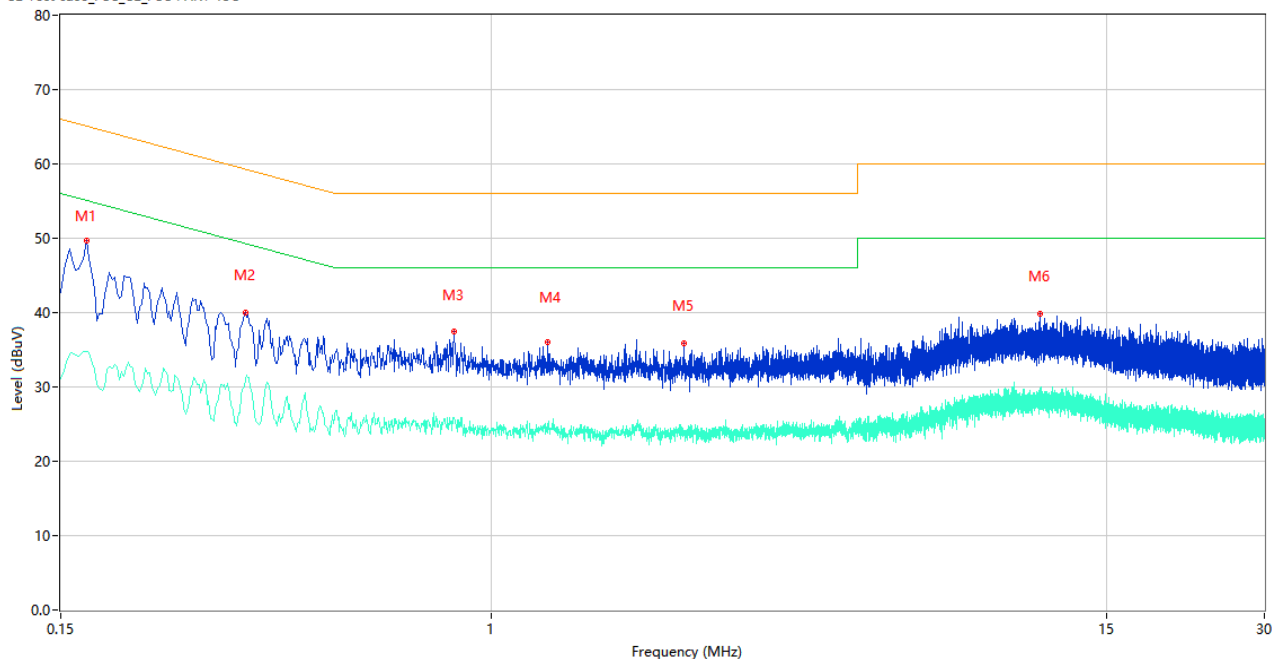
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.170	43.48	9.78	64.96	21.48	Peak	L	Pass
1**	0.170	29.95	9.78	54.96	25.01	AV	L	Pass
2	0.222	42.01	9.77	62.74	20.73	Peak	L	Pass
2**	0.222	29.70	9.77	52.74	23.04	AV	L	Pass
3	0.484	36.69	10.00	56.27	19.58	Peak	L	Pass
3**	0.484	24.96	10.00	46.27	21.31	AV	L	Pass
4	1.714	35.06	10.18	56.00	20.94	Peak	L	Pass
4**	1.714	23.58	10.18	46.00	22.42	AV	L	Pass
5	3.748	36.17	10.45	56.00	19.83	Peak	L	Pass
5**	3.748	23.74	10.45	46.00	22.26	AV	L	Pass
6	12.186	39.24	10.47	60.00	20.76	Peak	L	Pass
6**	12.186	26.61	10.47	50.00	23.39	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	0.168	49.70	9.78	65.06	15.36	Peak	N	Pass
1**	0.168	34.78	9.78	55.06	20.28	AV	N	Pass
2	0.338	40.05	10.52	59.25	19.20	Peak	N	Pass
2**	0.338	31.01	10.52	49.25	18.24	AV	N	Pass
3	0.848	37.43	10.62	56.00	18.57	Peak	N	Pass
3**	0.848	25.88	10.62	46.00	20.12	AV	N	Pass
4	1.282	35.97	10.49	56.00	20.03	Peak	N	Pass
4**	1.282	24.94	10.49	46.00	21.06	AV	N	Pass
5	2.328	35.90	10.12	56.00	20.10	Peak	N	Pass
5**	2.328	23.59	10.12	46.00	22.41	AV	N	Pass
6	11.198	39.89	10.72	60.00	20.11	Peak	N	Pass
6**	11.198	29.35	10.72	50.00	20.65	AV	N	Pass

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

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

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

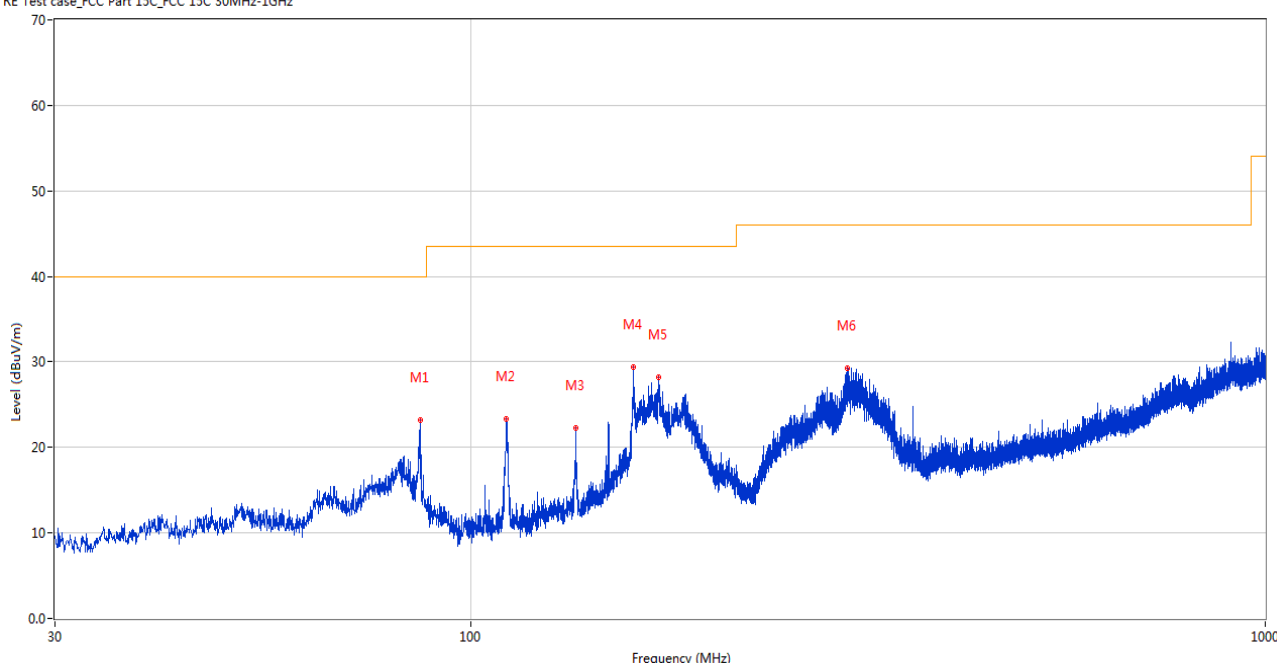
Note ³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

Test Data and Plots

30 MHz to 1 GHz, ANT H

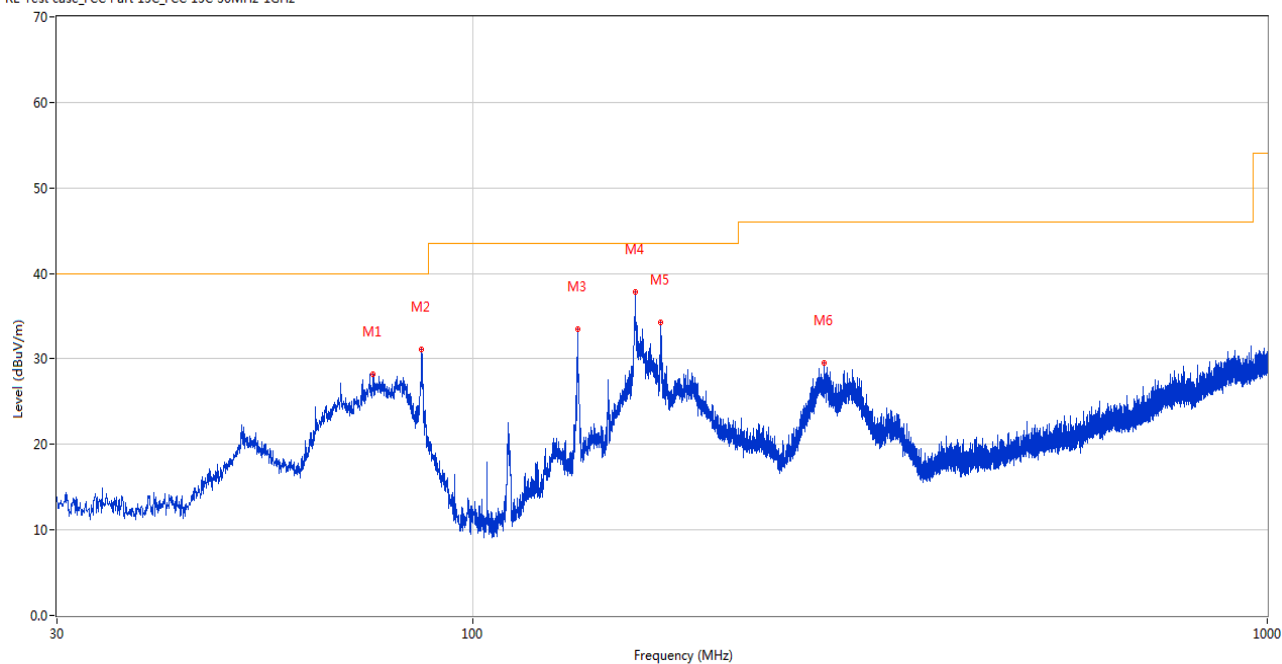
RE Test case_FCC Part 15C_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	86.357	23.17	-30.32	40.0	16.83	Peak	2.50	200	Horizontal	Pass
2	110.947	23.40	-27.42	43.5	20.10	Peak	201.10	200	Horizontal	Pass
3	135.584	22.24	-25.18	43.5	21.26	Peak	248.80	200	Horizontal	Pass
4	160.271	29.44	-24.30	43.5	14.06	Peak	125.00	200	Horizontal	Pass
5	172.590	28.27	-25.04	43.5	15.23	Peak	114.10	100	Horizontal	Pass
6	298.350	29.30	-23.07	46.0	16.70	Peak	273.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_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	75.008	28.21	-27.95	40.0	11.79	Peak	108.80	100	Vertical	Pass
2	86.309	31.15	-30.32	40.0	8.85	Peak	286.90	100	Vertical	Pass
3	135.633	33.44	-25.18	43.5	10.06	Peak	257.40	100	Vertical	Pass
4	160.320	37.84	-24.30	43.5	5.66	Peak	206.00	100	Vertical	Pass
5	172.639	34.23	-25.03	43.5	9.27	Peak	270.70	100	Vertical	Pass
6	277.156	29.57	-23.78	46.0	16.43	Peak	272.90	100	Vertical	Pass

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

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	1540.700	38.83	74.0	35.17	Peak	173.00	100	Horizontal	Pass
1**	1540.700	28.89	54.0	25.11	AV	173.00	100	Horizontal	Pass
2	4251.000	50.69	74.0	23.31	Peak	176.00	100	Horizontal	Pass
2**	4251.000	40.10	54.0	13.90	AV	176.00	100	Horizontal	Pass
3	5743.200	99.35	--	--	Peak	0.00	100	Horizontal	N/A
3**	5743.200	92.50	--	--	AV	0.00	100	Horizontal	N/A
4	7335.800	49.86	74.0	24.14	Peak	360.00	400	Horizontal	Pass
4**	7335.800	40.77	54.0	13.23	AV	360.00	400	Horizontal	Pass
5	11323.138	52.34	74.0	21.66	Peak	191.00	150	Horizontal	Pass
5**	11323.138	42.64	54.0	11.36	AV	191.00	150	Horizontal	Pass
6	16089.525	54.58	74.0	19.42	Peak	165.00	200	Horizontal	Pass
6**	16089.525	45.54	54.0	8.46	AV	165.00	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	1558.600	38.73	74.0	35.27	Peak	255.00	200	Vertical	Pass
1**	1558.600	29.11	54.0	24.89	AV	255.00	200	Vertical	Pass
2	4289.800	50.01	74.0	23.99	Peak	52.00	200	Vertical	Pass
2**	4289.800	40.24	54.0	13.76	AV	52.00	200	Vertical	Pass
3	5743.600	94.51	--	--	Peak	118.00	100	Vertical	N/A
3**	5743.600	86.80	--	--	AV	118.00	100	Vertical	N/A
4	7584.775	49.72	74.0	24.28	Peak	102.00	100	Vertical	Pass
4**	7584.775	40.39	54.0	13.61	AV	102.00	100	Vertical	Pass
5	11938.675	52.23	74.0	21.77	Peak	306.00	200	Vertical	Pass
5**	11938.675	43.26	54.0	10.74	AV	306.00	200	Vertical	Pass
6	15813.900	54.61	74.0	19.39	Peak	342.00	300	Vertical	Pass
6**	15813.900	45.58	54.0	8.42	AV	342.00	300	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	1519.100	39.33	74.0	34.67	Peak	48.00	300	Horizontal	Pass
1**	1519.100	29.06	54.0	24.94	AV	48.00	300	Horizontal	Pass
2	4184.400	49.96	74.0	24.04	Peak	360.00	200	Horizontal	Pass
2**	4184.400	40.93	54.0	13.07	AV	360.00	200	Horizontal	Pass
3	5783.200	99.03	--	--	Peak	342.00	150	Horizontal	N/A
3**	5783.200	92.06	--	--	AV	342.00	150	Horizontal	N/A
4	7448.500	50.12	74.0	23.88	Peak	293.00	400	Horizontal	Pass
4**	7448.500	40.35	54.0	13.65	AV	293.00	400	Horizontal	Pass
5	11953.050	51.87	74.0	22.13	Peak	0.00	100	Horizontal	Pass
5**	11953.050	42.06	54.0	11.94	AV	0.00	100	Horizontal	Pass
6	16085.063	54.99	74.0	19.01	Peak	30.00	100	Horizontal	Pass
6**	16085.063	45.12	54.0	8.88	AV	30.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1513.600	38.50	74.0	35.50	Peak	360.00	100	Vertical	Pass
1**	1513.600	29.26	54.0	24.74	AV	360.00	100	Vertical	Pass
2	4373.600	50.59	74.0	23.41	Peak	267.00	200	Vertical	Pass
2**	4373.600	40.74	54.0	13.26	AV	267.00	200	Vertical	Pass
3	5783.600	93.95	--	--	Peak	84.00	200	Vertical	N/A
3**	5783.600	86.94	--	--	AV	84.00	200	Vertical	N/A
4	7463.737	49.76	74.0	24.24	Peak	140.00	300	Vertical	Pass
4**	7463.737	40.61	54.0	13.39	AV	140.00	300	Vertical	Pass
5	12407.300	52.03	74.0	21.97	Peak	347.00	200	Vertical	Pass
5**	12407.300	42.23	54.0	11.77	AV	347.00	200	Vertical	Pass
6	16094.250	55.00	74.0	19.00	Peak	0.00	400	Vertical	Pass
6**	16094.250	45.69	54.0	8.31	AV	0.00	400	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	1595.200	40.21	74.0	33.79	Peak	348.00	100	Horizontal	Pass
1**	1595.200	28.99	54.0	25.01	AV	348.00	100	Horizontal	Pass
2	4004.200	50.10	74.0	23.90	Peak	342.00	300	Horizontal	Pass
2**	4004.200	41.47	54.0	12.53	AV	342.00	300	Horizontal	Pass
3	5826.600	98.79	--	--	Peak	0.00	200	Horizontal	N/A
3**	5826.600	91.21	--	--	AV	0.00	200	Horizontal	N/A
4	7565.800	49.95	74.0	24.05	Peak	360.00	100	Horizontal	Pass
4**	7565.800	40.34	54.0	13.66	AV	360.00	100	Horizontal	Pass
5	11340.963	52.27	74.0	21.73	Peak	58.00	100	Horizontal	Pass
5**	11340.963	42.42	54.0	11.58	AV	58.00	100	Horizontal	Pass
6	16080.075	54.84	74.0	19.16	Peak	339.00	200	Horizontal	Pass
6**	16080.075	45.30	54.0	8.70	AV	339.00	200	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	1444.900	39.06	74.0	34.94	Peak	317.00	300	Vertical	Pass
1**	1444.900	29.17	54.0	24.83	AV	317.00	300	Vertical	Pass
2	4367.400	50.52	74.0	23.48	Peak	186.00	200	Vertical	Pass
2**	4367.400	40.72	54.0	13.28	AV	186.00	200	Vertical	Pass
3	5823.600	94.01	--	--	Peak	28.00	200	Vertical	N/A
3**	5823.600	86.77	--	--	AV	28.00	200	Vertical	N/A
4	7332.063	50.02	74.0	23.98	Peak	310.00	300	Vertical	Pass
4**	7332.063	41.33	54.0	12.67	AV	310.00	300	Vertical	Pass
5	11823.388	51.89	74.0	22.11	Peak	345.00	100	Vertical	Pass
5**	11823.388	43.26	54.0	10.74	AV	345.00	100	Vertical	Pass
6	15524.888	55.34	74.0	18.66	Peak	165.00	200	Vertical	Pass
6**	15524.888	45.45	54.0	8.55	AV	165.00	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	1485.700	38.93	74.0	35.07	Peak	60.00	100	Horizontal	Pass
1**	1485.700	29.75	54.0	24.25	AV	60.00	100	Horizontal	Pass
2	4133.800	50.43	74.0	23.57	Peak	128.00	400	Horizontal	Pass
2**	4133.800	40.27	54.0	13.73	AV	128.00	400	Horizontal	Pass
3	5746.200	100.03	--	--	Peak	5.00	100	Horizontal	N/A
3**	5746.200	91.77	--	--	AV	5.00	100	Horizontal	N/A
4	7338.675	49.93	74.0	24.07	Peak	191.00	300	Horizontal	Pass
4**	7338.675	41.48	54.0	12.52	AV	191.00	300	Horizontal	Pass
5	11841.212	51.98	74.0	22.02	Peak	360.00	100	Horizontal	Pass
5**	11841.212	42.87	54.0	11.13	AV	360.00	100	Horizontal	Pass
6	16052.250	54.46	74.0	19.54	Peak	166.00	100	Horizontal	Pass
6**	16052.250	44.63	54.0	9.37	AV	166.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1596.700	38.95	74.0	35.05	Peak	297.00	100	Vertical	Pass
1**	1596.700	29.77	54.0	24.23	AV	297.00	100	Vertical	Pass
2	4372.800	50.33	74.0	23.67	Peak	130.00	100	Vertical	Pass
2**	4372.800	40.79	54.0	13.21	AV	130.00	100	Vertical	Pass
3	5744.000	94.31	--	--	Peak	118.00	150	Vertical	N/A
3**	5744.000	87.14	--	--	AV	118.00	150	Vertical	N/A
4	7451.950	50.05	74.0	23.95	Peak	225.00	100	Vertical	Pass
4**	7451.950	41.35	54.0	12.65	AV	225.00	100	Vertical	Pass
5	10919.775	52.09	74.0	21.91	Peak	67.00	100	Vertical	Pass
5**	10919.775	42.07	54.0	11.93	AV	67.00	100	Vertical	Pass
6	16140.975	55.25	74.0	18.75	Peak	300.00	100	Vertical	Pass
6**	16140.975	44.99	54.0	9.01	AV	300.00	100	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	1519.100	38.67	74.0	35.33	Peak	136.00	200	Horizontal	Pass
1**	1519.100	28.83	54.0	25.17	AV	136.00	200	Horizontal	Pass
2	4391.000	50.01	74.0	23.99	Peak	360.00	400	Horizontal	Pass
2**	4391.000	41.21	54.0	12.79	AV	360.00	400	Horizontal	Pass
3	5783.000	98.84	--	--	Peak	0.00	150	Horizontal	N/A
3**	5783.000	91.30	--	--	AV	0.00	150	Horizontal	N/A
4	7504.850	49.84	74.0	24.16	Peak	360.00	400	Horizontal	Pass
4**	7504.850	40.23	54.0	13.77	AV	360.00	400	Horizontal	Pass
5	12362.162	52.00	74.0	22.00	Peak	295.00	100	Horizontal	Pass
5**	12362.162	42.01	54.0	11.99	AV	295.00	100	Horizontal	Pass
6	16093.200	54.70	74.0	19.30	Peak	126.00	300	Horizontal	Pass
6**	16093.200	45.50	54.0	8.50	AV	126.00	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	1487.900	38.86	74.0	35.14	Peak	95.00	200	Vertical	Pass
1**	1487.900	30.19	54.0	23.81	AV	95.00	200	Vertical	Pass
2	4388.600	50.29	74.0	23.71	Peak	164.00	400	Vertical	Pass
2**	4388.600	40.37	54.0	13.63	AV	164.00	400	Vertical	Pass
3	5783.400	94.01	--	--	Peak	298.00	200	Vertical	N/A
3**	5783.400	86.59	--	--	AV	298.00	200	Vertical	N/A
4	7533.025	50.40	74.0	23.60	Peak	360.00	400	Vertical	Pass
4**	7533.025	40.50	54.0	13.50	AV	360.00	400	Vertical	Pass
5	10916.037	52.24	74.0	21.76	Peak	205.00	100	Vertical	Pass
5**	10916.037	42.85	54.0	11.15	AV	205.00	100	Vertical	Pass
6	16199.775	55.31	74.0	18.69	Peak	17.00	200	Vertical	Pass
6**	16199.775	45.09	54.0	8.91	AV	17.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1611.800	38.78	74.0	35.22	Peak	322.00	300	Horizontal	Pass
1**	1611.800	29.20	54.0	24.80	AV	322.00	300	Horizontal	Pass
2	4250.000	49.69	74.0	24.31	Peak	241.00	300	Horizontal	Pass
2**	4250.000	40.25	54.0	13.75	AV	241.00	300	Horizontal	Pass
3	5826.400	98.66	--	--	Peak	343.00	150	Horizontal	N/A
3**	5826.400	91.51	--	--	AV	343.00	150	Horizontal	N/A
4	7449.075	49.72	74.0	24.28	Peak	155.00	200	Horizontal	Pass
4**	7449.075	41.09	54.0	12.91	AV	155.00	200	Horizontal	Pass
5	10929.263	51.93	74.0	22.07	Peak	189.00	100	Horizontal	Pass
5**	10929.263	42.20	54.0	11.80	AV	189.00	100	Horizontal	Pass
6	15489.450	55.06	74.0	18.94	Peak	360.00	400	Horizontal	Pass
6**	15489.450	44.14	54.0	9.86	AV	360.00	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	1621.600	39.45	74.0	34.55	Peak	154.00	200	Vertical	Pass
1**	1621.600	31.35	54.0	22.65	AV	154.00	200	Vertical	Pass
2	4072.000	50.43	74.0	23.57	Peak	93.00	200	Vertical	Pass
2**	4072.000	40.57	54.0	13.43	AV	93.00	200	Vertical	Pass
3	5823.200	94.03	--	--	Peak	35.00	200	Vertical	N/A
3**	5823.200	86.03	--	--	AV	35.00	200	Vertical	N/A
4	7319.125	49.87	74.0	24.13	Peak	103.00	100	Vertical	Pass
4**	7319.125	40.71	54.0	13.29	AV	103.00	100	Vertical	Pass
5	10920.350	52.32	74.0	21.68	Peak	206.00	200	Vertical	Pass
5**	10920.350	43.00	54.0	11.00	AV	206.00	200	Vertical	Pass
6	15670.838	54.66	74.0	19.34	Peak	185.00	400	Vertical	Pass
6**	15670.838	44.15	54.0	9.85	AV	185.00	400	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	1443.600	38.71	74.0	35.29	Peak	147.00	400	Horizontal	Pass
1**	1443.600	28.98	54.0	25.02	AV	147.00	400	Horizontal	Pass
2	4317.400	50.02	74.0	23.98	Peak	343.00	100	Horizontal	Pass
2**	4317.400	39.89	54.0	14.11	AV	343.00	100	Horizontal	Pass
3	5757.600	96.51	--	--	Peak	3.00	150	Horizontal	N/A
3**	5757.600	89.11	--	--	AV	3.00	150	Horizontal	N/A
4	7340.687	50.13	74.0	23.87	Peak	313.00	200	Horizontal	Pass
4**	7340.687	41.78	54.0	12.22	AV	313.00	200	Horizontal	Pass
5	11833.450	52.06	74.0	21.94	Peak	1.00	100	Horizontal	Pass
5**	11833.450	42.38	54.0	11.62	AV	1.00	100	Horizontal	Pass
6	15824.137	55.23	74.0	18.77	Peak	280.00	200	Horizontal	Pass
6**	15824.137	45.57	54.0	8.43	AV	280.00	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	1487.100	39.01	74.0	34.99	Peak	195.00	100	Vertical	Pass
1**	1487.100	29.58	54.0	24.42	AV	195.00	100	Vertical	Pass
2	4263.600	50.00	74.0	24.00	Peak	298.00	100	Vertical	Pass
2**	4263.600	41.87	54.0	12.13	AV	298.00	100	Vertical	Pass
3	5750.600	91.65	--	--	Peak	114.00	200	Vertical	N/A
3**	5750.600	83.51	--	--	AV	114.00	200	Vertical	N/A
4	7542.800	49.95	74.0	24.05	Peak	123.00	300	Vertical	Pass
4**	7542.800	39.90	54.0	14.10	AV	123.00	300	Vertical	Pass
5	11931.487	52.18	74.0	21.82	Peak	123.00	100	Vertical	Pass
5**	11931.487	42.24	54.0	11.76	AV	123.00	100	Vertical	Pass
6	15612.826	55.39	74.0	18.61	Peak	221.00	300	Vertical	Pass
6**	15612.826	44.48	54.0	9.52	AV	221.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1580.500	38.74	74.0	35.26	Peak	181.00	300	Horizontal	Pass
1**	1580.500	28.65	54.0	25.35	AV	181.00	300	Horizontal	Pass
2	4059.800	50.00	74.0	24.00	Peak	360.00	300	Horizontal	Pass
2**	4059.800	40.72	54.0	13.28	AV	360.00	300	Horizontal	Pass
3	5798.600	95.55	--	--	Peak	7.00	100	Horizontal	N/A
3**	5798.600	88.36	--	--	AV	7.00	100	Horizontal	N/A
4	7447.638	50.14	74.0	23.86	Peak	35.00	300	Horizontal	Pass
4**	7447.638	41.58	54.0	12.42	AV	35.00	300	Horizontal	Pass
5	11914.237	52.25	74.0	21.75	Peak	327.00	100	Horizontal	Pass
5**	11914.237	42.43	54.0	11.57	AV	327.00	100	Horizontal	Pass
6	15562.162	55.02	74.0	18.98	Peak	62.00	200	Horizontal	Pass
6**	15562.162	44.87	54.0	9.13	AV	62.00	200	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	1579.600	38.94	74.0	35.06	Peak	296.00	100	Vertical	Pass
1**	1579.600	28.70	54.0	25.30	AV	296.00	100	Vertical	Pass
2	4137.200	50.24	74.0	23.76	Peak	163.00	200	Vertical	Pass
2**	4137.200	41.15	54.0	12.85	AV	163.00	200	Vertical	Pass
3	5792.000	90.17	--	--	Peak	106.00	100	Vertical	N/A
3**	5792.000	82.79	--	--	AV	106.00	100	Vertical	N/A
4	7444.188	49.86	74.0	24.14	Peak	293.00	300	Vertical	Pass
4**	7444.188	40.97	54.0	13.03	AV	293.00	300	Vertical	Pass
5	11334.638	52.39	74.0	21.61	Peak	36.00	100	Vertical	Pass
5**	11334.638	42.61	54.0	11.39	AV	36.00	100	Vertical	Pass
6	16086.112	54.47	74.0	19.53	Peak	277.00	300	Vertical	Pass
6**	16086.112	45.29	54.0	8.71	AV	277.00	300	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	1576.000	39.10	74.0	34.90	Peak	360.00	400	Horizontal	Pass
1**	1576.000	30.49	54.0	23.51	AV	360.00	400	Horizontal	Pass
2	4026.800	49.61	74.0	24.39	Peak	48.00	300	Horizontal	Pass
2**	4026.800	40.34	54.0	13.66	AV	48.00	300	Horizontal	Pass
3	5746.600	98.48	--	--	Peak	0.00	200	Horizontal	N/A
3**	5746.600	92.80	--	--	AV	0.00	200	Horizontal	N/A
4	7617.550	49.91	74.0	24.09	Peak	360.00	400	Horizontal	Pass
4**	7617.550	40.29	54.0	13.71	AV	360.00	400	Horizontal	Pass
5	11327.450	52.55	74.0	21.45	Peak	342.00	100	Horizontal	Pass
5**	11327.450	43.20	54.0	10.80	AV	342.00	100	Horizontal	Pass
6	15814.950	54.47	74.0	19.53	Peak	260.00	200	Horizontal	Pass
6**	15814.950	46.11	54.0	7.89	AV	260.00	200	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	1507.100	38.53	74.0	35.47	Peak	345.00	400	Vertical	Pass
1**	1507.100	29.32	54.0	24.68	AV	345.00	400	Vertical	Pass
2	4255.400	50.73	74.0	23.27	Peak	140.00	300	Vertical	Pass
2**	4255.400	40.31	54.0	13.69	AV	140.00	300	Vertical	Pass
3	5744.000	94.92	--	--	Peak	117.00	100	Vertical	N/A
3**	5744.000	87.72	--	--	AV	117.00	100	Vertical	N/A
4	7446.200	50.17	74.0	23.83	Peak	360.00	100	Vertical	Pass
4**	7446.200	41.49	54.0	12.51	AV	360.00	100	Vertical	Pass
5	10931.849	51.62	74.0	22.38	Peak	122.00	150	Vertical	Pass
5**	10931.849	42.25	54.0	11.75	AV	122.00	150	Vertical	Pass
6	16149.375	54.78	74.0	19.22	Peak	17.00	100	Vertical	Pass
6**	16149.375	45.28	54.0	8.72	AV	17.00	100	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	1602.300	38.78	74.0	35.22	Peak	300.00	100	Horizontal	Pass
1**	1602.300	28.91	54.0	25.09	AV	300.00	100	Horizontal	Pass
2	3991.000	50.08	74.0	23.92	Peak	220.00	100	Horizontal	Pass
2**	3991.000	40.22	54.0	13.78	AV	220.00	100	Horizontal	Pass
3	5785.200	98.96	--	--	Peak	333.00	200	Horizontal	N/A
3**	5785.200	90.53	--	--	AV	333.00	200	Horizontal	N/A
4	7451.087	49.91	74.0	24.09	Peak	158.00	100	Horizontal	Pass
4**	7451.087	40.60	54.0	13.40	AV	158.00	100	Horizontal	Pass
5	12459.912	52.05	74.0	21.95	Peak	345.00	100	Horizontal	Pass
5**	12459.912	41.20	54.0	12.80	AV	345.00	100	Horizontal	Pass
6	16127.062	55.25	74.0	18.75	Peak	218.00	200	Horizontal	Pass
6**	16127.062	45.86	54.0	8.14	AV	218.00	200	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	1590.700	39.01	74.0	34.99	Peak	228.00	300	Vertical	Pass
1**	1590.700	28.88	54.0	25.12	AV	228.00	300	Vertical	Pass
2	4349.800	50.37	74.0	23.63	Peak	95.00	100	Vertical	Pass
2**	4349.800	40.78	54.0	13.22	AV	95.00	100	Vertical	Pass
3	5783.600	93.65	--	--	Peak	303.00	200	Vertical	N/A
3**	5783.600	86.64	--	--	AV	303.00	200	Vertical	N/A
4	7365.412	49.61	74.0	24.39	Peak	125.00	200	Vertical	Pass
4**	7365.412	40.42	54.0	13.58	AV	125.00	200	Vertical	Pass
5	11337.224	51.87	74.0	22.13	Peak	106.00	150	Vertical	Pass
5**	11337.224	43.18	54.0	10.82	AV	106.00	150	Vertical	Pass
6	15818.625	54.52	74.0	19.48	Peak	171.00	300	Vertical	Pass
6**	15818.625	45.54	54.0	8.46	AV	171.00	300	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	1586.500	38.45	74.0	35.55	Peak	46.00	400	Horizontal	Pass
1**	1586.500	29.73	54.0	24.27	AV	46.00	400	Horizontal	Pass
2	4122.800	50.32	74.0	23.68	Peak	230.00	100	Horizontal	Pass
2**	4122.800	40.85	54.0	13.15	AV	230.00	100	Horizontal	Pass
3	5826.000	98.59	--	--	Peak	4.00	100	Horizontal	N/A
3**	5826.000	91.31	--	--	AV	4.00	100	Horizontal	N/A
4	7548.837	50.75	74.0	23.25	Peak	121.00	200	Horizontal	Pass
4**	7548.837	40.92	54.0	13.08	AV	121.00	200	Horizontal	Pass
5	12400.975	51.51	74.0	22.49	Peak	327.00	100	Horizontal	Pass
5**	12400.975	43.19	54.0	10.81	AV	327.00	100	Horizontal	Pass
6	16109.475	54.27	74.0	19.73	Peak	202.00	300	Horizontal	Pass
6**	16109.475	45.32	54.0	8.68	AV	202.00	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	1596.600	39.53	74.0	34.47	Peak	30.00	100	Vertical	Pass
1**	1596.600	29.62	54.0	24.38	AV	30.00	100	Vertical	Pass
2	4087.200	49.69	74.0	24.31	Peak	320.00	300	Vertical	Pass
2**	4087.200	41.19	54.0	12.81	AV	320.00	300	Vertical	Pass
3	5826.200	93.80	--	--	Peak	37.00	200	Vertical	N/A
3**	5826.200	86.16	--	--	AV	37.00	200	Vertical	N/A
4	7504.275	49.52	74.0	24.48	Peak	259.00	300	Vertical	Pass
4**	7504.275	40.89	54.0	13.11	AV	259.00	300	Vertical	Pass
5	11919.988	52.23	74.0	21.77	Peak	86.00	100	Vertical	Pass
5**	11919.988	42.56	54.0	11.44	AV	86.00	100	Vertical	Pass
6	15465.562	54.72	74.0	19.28	Peak	163.00	300	Vertical	Pass
6**	15465.562	45.41	54.0	8.59	AV	163.00	300	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	1442.300	39.41	74.0	34.59	Peak	133.00	300	Horizontal	Pass
1**	1442.300	29.27	54.0	24.73	AV	133.00	300	Horizontal	Pass
2	4162.000	50.08	74.0	23.92	Peak	343.00	400	Horizontal	Pass
2**	4162.000	40.93	54.0	13.07	AV	343.00	400	Horizontal	Pass
3	5757.800	96.80	--	--	Peak	8.00	150	Horizontal	N/A
3**	5757.800	89.07	--	--	AV	8.00	150	Horizontal	N/A
4	7342.125	49.86	74.0	24.14	Peak	72.00	100	Horizontal	Pass
4**	7342.125	40.42	54.0	13.58	AV	72.00	100	Horizontal	Pass
5	11341.537	52.48	74.0	21.52	Peak	283.00	200	Horizontal	Pass
5**	11341.537	43.56	54.0	10.44	AV	283.00	200	Horizontal	Pass
6	16099.237	55.67	74.0	18.33	Peak	102.00	300	Horizontal	Pass
6**	16099.237	45.53	54.0	8.47	AV	102.00	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	1507.100	38.69	74.0	35.31	Peak	0.00	100	Vertical	Pass
1**	1507.100	28.91	54.0	25.09	AV	0.00	100	Vertical	Pass
2	4375.400	50.34	74.0	23.66	Peak	49.00	400	Vertical	Pass
2**	4375.400	40.23	54.0	13.77	AV	49.00	400	Vertical	Pass
3	5752.400	92.10	--	--	Peak	117.00	200	Vertical	N/A
3**	5752.400	84.53	--	--	AV	117.00	200	Vertical	N/A
4	7338.387	50.45	74.0	23.55	Peak	239.00	300	Vertical	Pass
4**	7338.387	40.89	54.0	13.11	AV	239.00	300	Vertical	Pass
5	10926.675	52.55	74.0	21.45	Peak	120.00	150	Vertical	Pass
5**	10926.675	44.29	54.0	9.71	AV	120.00	150	Vertical	Pass
6	16090.050	55.37	74.0	18.63	Peak	279.00	200	Vertical	Pass
6**	16090.050	45.51	54.0	8.49	AV	279.00	200	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	1553.800	39.06	74.0	34.94	Peak	41.00	400	Horizontal	Pass
1**	1553.800	29.75	54.0	24.25	AV	41.00	400	Horizontal	Pass
2	4343.400	49.71	74.0	24.29	Peak	153.00	100	Horizontal	Pass
2**	4343.400	40.79	54.0	13.21	AV	153.00	100	Horizontal	Pass
3	5789.200	95.67	--	--	Peak	5.00	100	Horizontal	N/A
3**	5789.200	87.48	--	--	AV	5.00	100	Horizontal	N/A
4	7604.038	50.02	74.0	23.98	Peak	227.00	300	Horizontal	Pass
4**	7604.038	40.09	54.0	13.91	AV	227.00	300	Horizontal	Pass
5	11329.175	51.70	74.0	22.30	Peak	360.00	200	Horizontal	Pass
5**	11329.175	43.35	54.0	10.65	AV	360.00	200	Horizontal	Pass
6	15509.662	54.68	74.0	19.32	Peak	83.00	400	Horizontal	Pass
6**	15509.662	45.69	54.0	8.31	AV	83.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1483.400	38.86	74.0	35.14	Peak	135.00	100	Vertical	Pass
1**	1483.400	29.49	54.0	24.51	AV	135.00	100	Vertical	Pass
2	4345.400	50.72	74.0	23.28	Peak	111.00	400	Vertical	Pass
2**	4345.400	40.80	54.0	13.20	AV	111.00	400	Vertical	Pass
3	5798.800	91.10	--	--	Peak	111.00	200	Vertical	N/A
3**	5798.800	82.93	--	--	AV	111.00	200	Vertical	N/A
4	7433.263	49.87	74.0	24.13	Peak	71.00	400	Vertical	Pass
4**	7433.263	40.39	54.0	13.61	AV	71.00	400	Vertical	Pass
5	11830.575	51.82	74.0	22.18	Peak	71.00	100	Vertical	Pass
5**	11830.575	42.58	54.0	11.42	AV	71.00	100	Vertical	Pass
6	15828.076	54.71	74.0	19.29	Peak	318.00	200	Vertical	Pass
6**	15828.076	45.34	54.0	8.66	AV	318.00	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	1505.300	38.52	74.0	35.48	Peak	0.00	200	Horizontal	Pass
1**	1505.300	29.49	54.0	24.51	AV	0.00	200	Horizontal	Pass
2	3995.000	50.38	74.0	23.62	Peak	360.00	100	Horizontal	Pass
2**	3995.000	40.84	54.0	13.16	AV	360.00	100	Horizontal	Pass
3	5765.600	93.58	--	--	Peak	0.00	150	Horizontal	N/A
3**	5765.600	85.48	--	--	AV	0.00	150	Horizontal	N/A
4	7337.812	50.26	74.0	23.74	Peak	72.00	400	Horizontal	Pass
4**	7337.812	41.37	54.0	12.63	AV	72.00	400	Horizontal	Pass
5	11321.700	52.10	74.0	21.90	Peak	360.00	150	Horizontal	Pass
5**	11321.700	42.57	54.0	11.43	AV	360.00	150	Horizontal	Pass
6	16075.612	54.55	74.0	19.45	Peak	196.00	400	Horizontal	Pass
6**	16075.612	45.81	54.0	8.19	AV	196.00	400	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	1587.400	38.59	74.0	35.41	Peak	198.00	200	Vertical	Pass
1**	1587.400	29.27	54.0	24.73	AV	198.00	200	Vertical	Pass
2	4223.400	50.47	74.0	23.53	Peak	142.00	300	Vertical	Pass
2**	4223.400	40.29	54.0	13.71	AV	142.00	300	Vertical	Pass
3	5780.600	89.62	--	--	Peak	118.00	200	Vertical	N/A
3**	5780.600	81.49	--	--	AV	118.00	200	Vertical	N/A
4	7353.050	50.10	74.0	23.90	Peak	242.00	100	Vertical	Pass
4**	7353.050	40.58	54.0	13.42	AV	242.00	100	Vertical	Pass
5	10915.463	52.55	74.0	21.45	Peak	298.00	200	Vertical	Pass
5**	10915.463	42.23	54.0	11.77	AV	298.00	200	Vertical	Pass
6	15485.513	54.95	74.0	19.05	Peak	165.00	200	Vertical	Pass
6**	15485.513	44.83	54.0	9.17	AV	165.00	200	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

Test Band	Mode	Channel	Verdict
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-3 11a Low Channel**

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5646.900	58.17	68.2	10.03	Peak	0.00	100	Horizontal	Pass
2	5650.000	56.44	68.2	11.76	Peak	193.00	100	Horizontal	Pass

U-NII-3 11a High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	56.44	68.2	11.76	Peak	250.00	100	Horizontal	Pass
2	5932.450	58.45	68.2	9.75	Peak	8.00	100	Horizontal	Pass

U-NII-3 11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5647.150	58.30	68.2	9.90	Peak	360.00	100	Horizontal	Pass
2	5650.000	56.65	68.2	11.55	Peak	240.00	200	Horizontal	Pass

U-NII-3 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	56.18	68.2	12.02	Peak	283.00	150	Horizontal	Pass
2	5928.100	58.62	68.2	9.58	Peak	4.00	150	Horizontal	Pass

U-NII-3 11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5645.500	58.49	68.2	9.71	Peak	82.00	200	Horizontal	Pass
2	5650.000	56.62	68.2	11.58	Peak	0.00	200	Horizontal	Pass

U-NII-3 11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	57.57	68.2	10.63	Peak	188.00	200	Horizontal	Pass
2	5948.700	58.51	68.2	9.69	Peak	277.00	200	Horizontal	Pass

U-NII-3 11ac20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5646.850	58.30	68.2	9.90	Peak	66.00	150	Horizontal	Pass
2	5650.000	56.39	68.2	11.81	Peak	48.00	100	Horizontal	Pass

U-NII-3 11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	56.48	68.2	11.72	Peak	360.00	150	Horizontal	Pass
2	5942.000	59.08	68.2	9.12	Peak	0.00	100	Horizontal	Pass

U-NII-3 11ac40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5641.100	58.10	68.2	10.10	Peak	212.00	100	Horizontal	Pass
2	5650.000	56.65	68.2	11.55	Peak	358.00	100	Horizontal	Pass

U-NII-3 11ac40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	56.11	68.2	12.09	Peak	63.00	100	Horizontal	Pass
2	5941.000	58.71	68.2	9.49	Peak	323.00	150	Horizontal	Pass

U-NII-3 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5645.550	58.46	68.2	9.74	Peak	341.00	200	Horizontal	Pass
2	5650.000	56.89	68.2	11.31	Peak	360.00	150	Horizontal	Pass

U-NII-3 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.88	68.2	12.32	Peak	165.00	200	Horizontal	Pass
2	5936.750	58.66	68.2	9.54	Peak	13.00	150	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2520111-AR-2.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2520111-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2520111-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.
3. For the report with CNAS mark or A2LA mark, the items marked with "☆" are not within the accredited scope.
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.
5. The test data and results are only valid for the tested samples provided by the customer.
6. This report shall not be partially reproduced without the written permission of the laboratory.
7. Any objection shall be raised to the laboratory within 30 days after receiving the report.

--END OF REPORT--