

TEST REPORT

Applicant: Shenzhen Cheerble Technology Co., Ltd.
Address: 2801, West Tower, Lepu Building, 66 Xingke Road,
Xili Community, Xili Subdistrict, Nanshan District,
Shenzhen
Equipment Type: Pet Feeder Match G1
Model Name: CTW07
Brand Name: Cheerble
FCC ID: 2BTGI-CTW07
ISED Number: 34918-CTW07
Test Standard: 47 CFR Part 15 Subpart E
RSS-Gen Issue 5
RSS-247 Issue 4
(refer to section 3.1)
Sample Arrival Date: Apr. 20, 2026
Test Date: Apr. 24, 2026 - May 04, 2026
Date of Issue: May 26, 2026

ISSUED BY:

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Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>May 26, 2026</u>	<u>Correct the FCC ID number, and the attachment information AW AI AR is reflected in the report.</u> <u>This report replaces BL-SZ25C0247-603 which issued by BALUN on May 21, 2026, the original report is invalid</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	601, Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☐ Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen, Guangdong
	☒ 1/F., Building B, Ganghongji High-Tech Intelligent Industrial Park, No.1008, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The CAB identifier number is CN0030.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Shenzhen Cheerble Technology Co., Ltd.
Address	2801, West Tower, Lepu Building, 66 Xingke Road, Xili Community, Xili Subdistrict, Nanshan District, Shenzhen

2.2 Manufacturer Information

Manufacturer	N/A
Address	N/A

2.3 General Description for Equipment under Test (EUT)

EUT Name	Pet Feeder Match G1
Model Name Under Test	CTW07
Series Model Name	N/A
Description of Model name differentiation	N/A
Serial Number	CBCTW0718483362
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac and 802.11ax
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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 Indoor for IC standard
Modulation Technology	OFDM, OFDMA
Modulation Type	1024QAM, 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 802.11ax up to 286.8 Mbps
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz 802.11ax: 20 MHz, 40 MHz
Maximum Output Power	U-NII-1: 45.39 mW U-NII-3: 44.67 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	FPC Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: 4.41 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.05 dBi
About the Product	The equipment is Pet Feeder Match G1, intended for used with information technology equipment.

802.11ax RU configuration table						
Mode	Full RU (SU)	RU_26	RU_52	RU_106	RU_242	RU_484
802.11ax20	√	--	--	--	--	--
802.11ax40	√	--	--	--	--	--

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	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	5180	38	5190
40	5200	46	5230
44	5220	54	5270
48	5240	62	5310
52	5260	102	5510
56	5280	110	5550
60	5300	118	5590
64	5320	126	5630
100	5500	134	5670
104	5520	151	5755
108	5540	159	5795
112	5560		
116	5580		
120	5600		
124	5620		
128	5640		
132	5660		
136	5680		
140	5700		
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)/ax(HE20)

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

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

For 802.11n(HT40)/ac(VHT40)/ax(HE40)

U-NII-1 (5150 - 5250 MHz)			U-NII-2A (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
38	Low	5190	54	Low	5270
46	High	5230	62	High	5310

U-NII-2C (5470 - 5725 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
102	Low	5510	151	Low	5755
118	Mid	5590	159	High	5795
134	High	5670			

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
	11ax(20 MHz)	4		48/44/36	165/157/149
	11ax(40 MHz)	8		46/38	159/151
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
	11ax(20 MHz)	4		48/44/36	165/157/149
	11ax(40 MHz)	8		46/38	159/151
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
	11ax(20 MHz)	4		N/A	165/157/149
	11ax(40 MHz)	8		N/A	159/151
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
	11ax(20 MHz)	4		48/44/36	165/157/149
	11ax(40 MHz)	8		46/38	159/151
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
	11ax(20 MHz)	4		48/44/36	165/157/149
	11ax(40 MHz)	8		46/38	159/151
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
	11ax(20 MHz)	4		48/36	165/149
	11ax(40 MHz)	8		46/38	159/151

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E	Unlicensed National Information Infrastructure Devices
2	RSS-Gen Issue 5	General Requirements for Compliance of Radio Apparatus
3	RSS-247 Issue 4	Digital Transmission Systems, Frequency Hopping Systems and LicenceExempt Local Area Network Devices in 902-928 MHz, 2400-2483.5 MHz, 5150-5350 MHz, and 5470-5895 MHz bands
4	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
5	ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024	American National Standard for Procedures for Compliance Testing of Unlicensed Wireless Devices

3.2 Test Verdict

No.	Description	FCC Part No.	RSS Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	RSS-Gen, 6.8	--	Pass ^{Note1}
2	RF Output Power	15.407(a)	RSS-247, 7.3	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	RSS-247, 7.3	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	RSS-247, 7.3	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	RSS-247, 7.3	ANNEX A.4	Pass
6	Conducted Emission	15.207	RSS-GEN, 8.8	ANNEX A.5	Pass
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	RSS-247, 7.3	ANNEX A.6	Pass
8	Receiver Spurious Emissions	--	RSS-Gen, 7.1.2	--	N/A ^{Note2}

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

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

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

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	42% to 72%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+18.1°C to +27.5°C
Working Voltage of the EUT	NV (Normal Voltage)	9 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY54420186	2025.05.21	2026.05.20
Power meter	R&S	NRP8S	101498	2025.07.07	2026.07.06
Spectrum Analyzer	R&S	FSV40	101544	2025.10.30	2026.10.29
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Test Antenna-Bi-Log	Schwarzbeck	VULB 9163	01414	2023.11.03	2026.11.02
Test Antenna-Horn	Schwarzbeck	BBHA 9120D	02459	2023.10.26	2026.10.25
Test Antenna-Loop	Schwarzbeck	FMZB 1513-60	00015	2024.05.07	2026.05.06
Anechoic Chamber	YIHENG	C8-966	107	2024.05.12	2027.05.11
EMI Receiver	Keysight	N9038A	MY55330121	2025.12.26	2026.12.25
Filtering unit	balun	SU319F	LW-SZ19D0001F01	N/A	N/A
Switching unit	BALUN	SU319	LW-SZ19D0001S01	N/A	N/A
EMI Receiver	keysight	N9038B	MY61380132	2025.12.26	2026.12.25
LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK8127	01009	2025.07.15	2026.07.14
Shielded Enclosure	YiHeng Electronic Co., Ltd	4.3m*2.9m* 2.4m	235	2024.11.05	2027.11.04

4.3 Test Software List

Description	Manufacturer	Software Version	Serial No.	Applicable test Setup
BL410R	BALUN	V3.0.1.528	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%

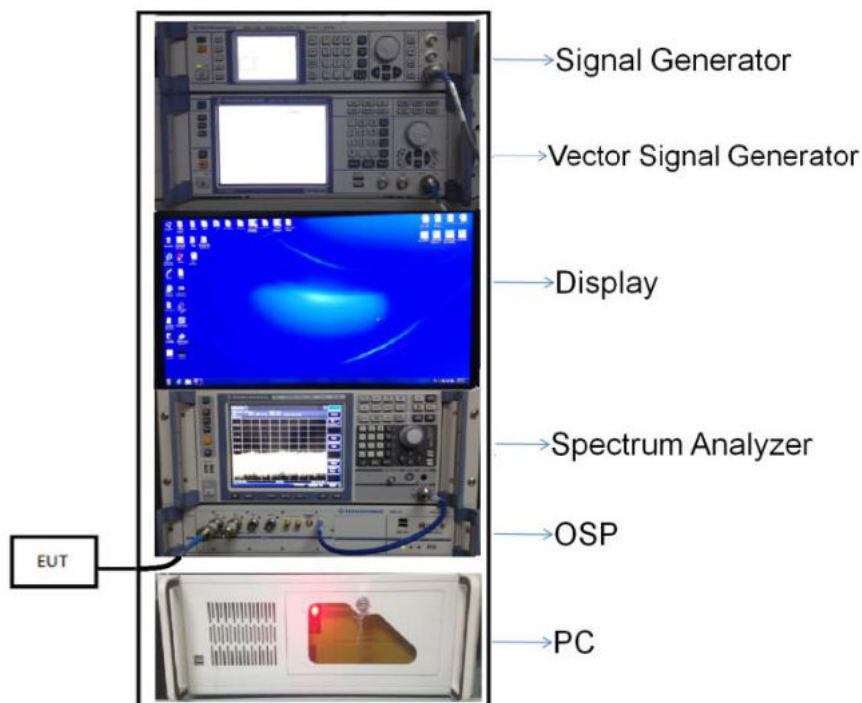
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

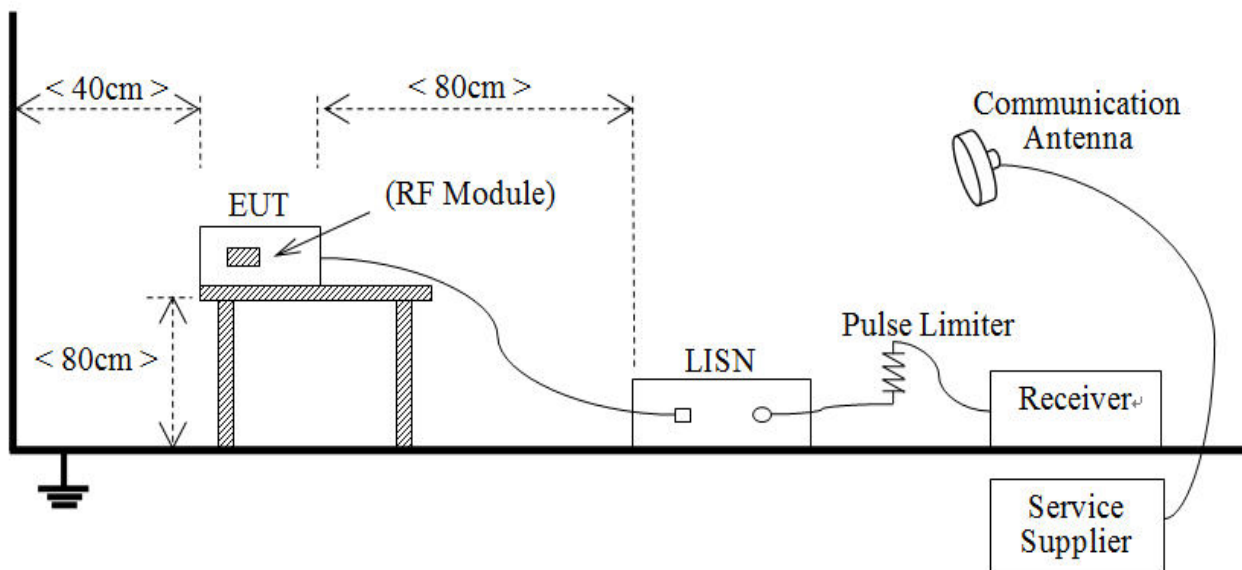
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



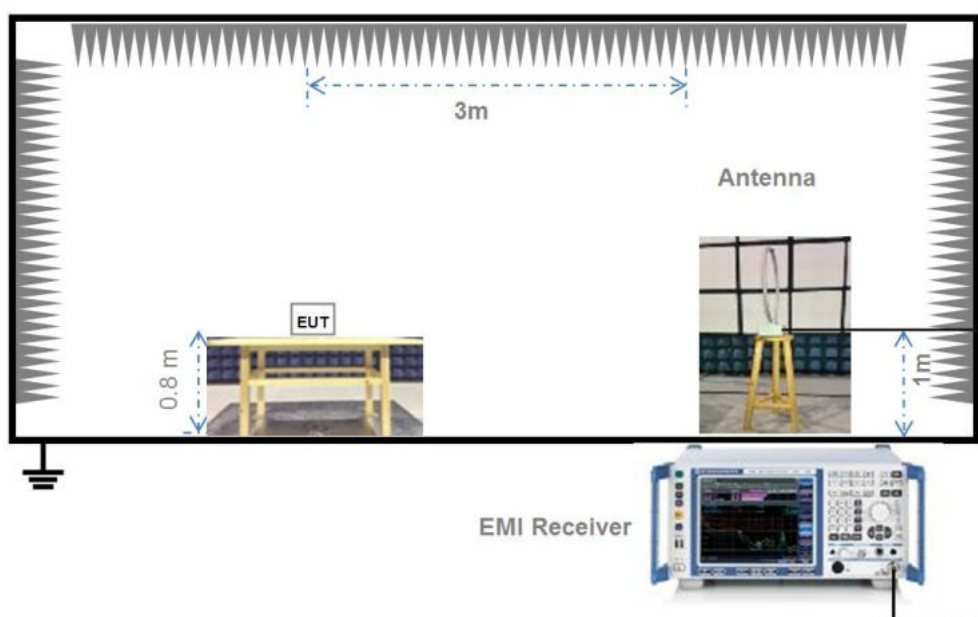
(Diagram 1)

4.5.2 For AC Power Supply Port Test



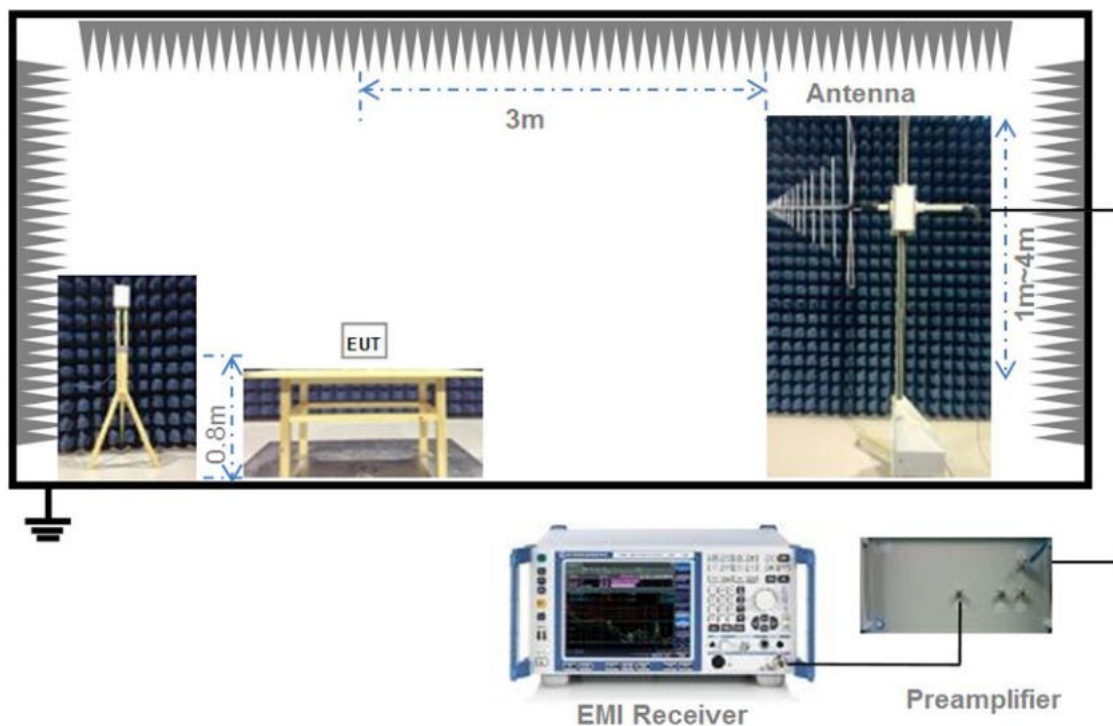
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



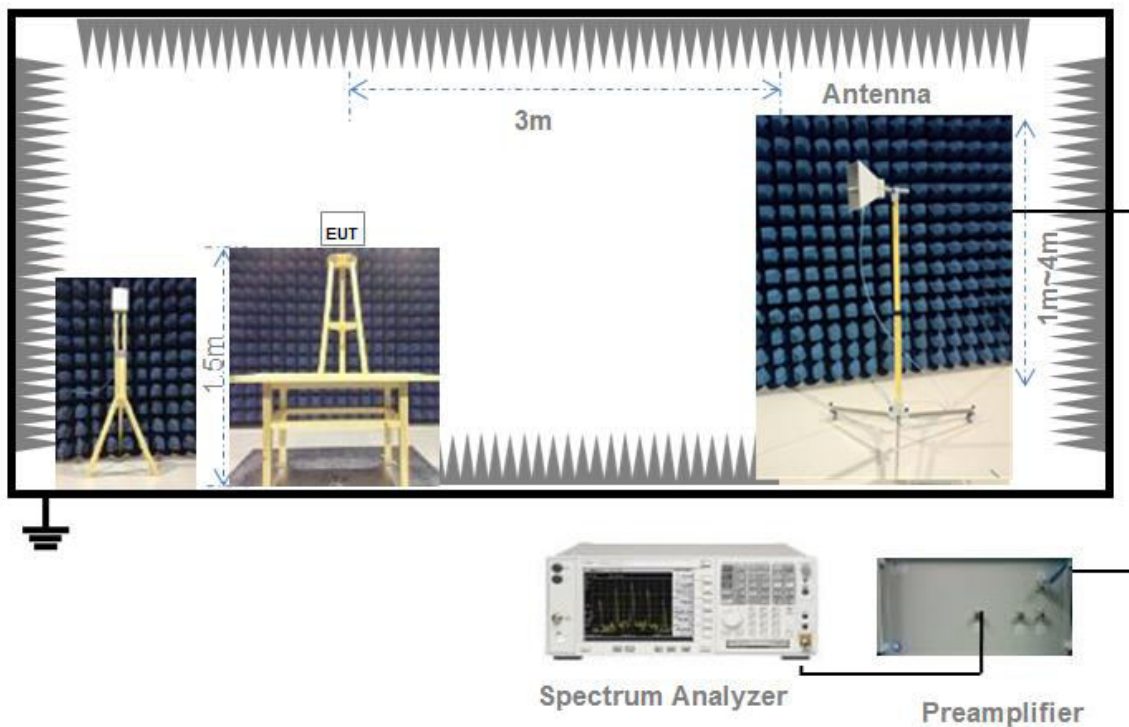
(Diagram 3)

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.	

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The maximum conducted output power shall not exceed:

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

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

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

5.1.2 Test Setup

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

5.1.3 Test Procedure

Maximum conducted (average) output power

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

- 1) The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
- 2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.

- 3) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
- b) If the transmitter does not transmit continuously, measure the duty cycle (x) of the transmitter output signal.
- c) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
- d) Adjust the measurement in dBm by adding $10 \log (1/x)$ where x is the duty cycle.

Measurements of duty cycle

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

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

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

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

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

The E.I.R.P used radiated test method. At a test site that has been validated using the procedures of ANSI C63.10 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a), RSS-247, 7.3

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 $\geq$ RBW,
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

Occupied Bandwidth

1. Set center frequency to the nominal EUT channel center frequency.
2. Set Span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1% to 5% of the OBW.
4. Set VBW $\geq 3 \times$ RBW.
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used. Use the 99% power bandwidth function of the instrument.
6. Use the 99% power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99% power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

6 dB bandwidth

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 kHz for the band 5.725–5.85 GHz. The following procedure shall be used for measuring this bandwidth:

1. Set RBW = 100 kHz,
2. Set the video bandwidth (VBW) $\geq 3 \times \text{RBW}$.
3. Detector = Peak.
4. Trace mode = Max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. 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

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The maximum power spectral density should not exceed:

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

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

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

1. Measure the duty cycle, x , of the transmitter output signal as described in II.B.
2. Set span to encompass the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal.
3. Set RBW = 510 kHz/1 MHz.
4. Set VBW $\geq 3 \times$ RBW.
5. Number of points in sweep $\geq 2 \times$ span / RBW. (This ensures that bin-to-bin spacing is $\leq$ RBW/2, so that narrowband signals are not lost between frequency bins.)
6. Sweep time = auto.
7. Detector = power averaging (rms), if available. Otherwise, use sample detector mode.
8. Do not use sweep triggering. Allow the sweep to "free run."
9. Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces to be averaged shall be increased above 100 as needed to ensure that the average accurately represents the true average over the on and off periods of the transmitter.

10. Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal.

1. 11. Add $10 \log (1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add $10 \log (1/0.25) = 6$ dB if the duty cycle is 25%.

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207, RSS-GEN, 8.8

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

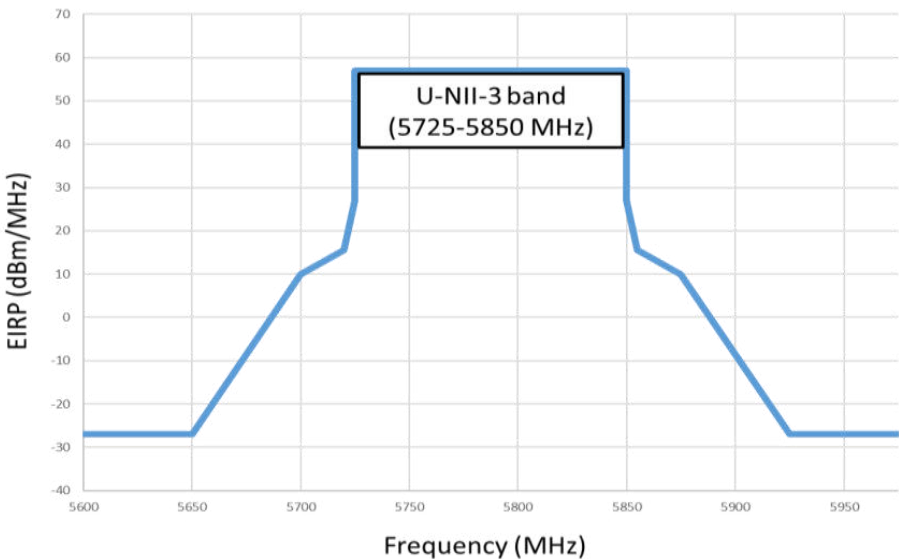
5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 7.3

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

Note¹: The Limit for radiated test was performed according to FCC Part 15C

Note²: 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

Radiated Spurious Emissions:

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 maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see guidance on determining the applicable antenna gain)
- c) 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).
- d) 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).
- e) 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.
- f) Compare the resultant electric field strength level to the applicable limit.
- g) 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

Band Edge (Restricted-band):

If the EUT can be configured or modified to transmit continuously ($D \geq 98\%$), measured using the following method (with EUT transmitting continuously):

Use the following spectrum analyzer settings:

Set instrument center frequency to the frequency of the emission to be measured (must be within 2 MHz of the authorized band-edge).

RBW = 100 kHz.

VBW $\geq [3 \times \text{RBW}]$.

Detector = Power averaging (rms), if $[\text{span} / (\# \text{ of points in sweep})] \leq (\text{RBW} / 2)$.

Averaging type = power (i.e., rms):

As an alternative, the detector and averaging type may be set for linear voltage averaging.

Some instruments require linear display mode to use linear voltage averaging. Log or dB

averaging shall not be used.

Sweep time = auto.

Perform a trace average of at least 100 traces.

Compute the power by integrating the spectrum over 1 MHz using the analyzer's band-power measurement function with band limits set equal to the emission frequency (femission) ± 0.5 MHz. If the instrument does not have a band-power function, then sum the amplitude levels (in power units) at 100 kHz intervals extending across the 1 MHz spectrum defined by femission ± 0.5 MHz.

If continuous transmission of the EUT ($D \geq 98\%$) cannot be achieved and the duty cycle is constant (duty cycle variations are less $\pm 2\%$), then the following procedure may be used to measure the average power of unwanted emissions within 2 MHz of the authorized band-edge:

RBW = 100 kHz.

VBW $\geq [3 \times \text{RBW}]$.

Detector = Power averaging (rms), if $[\text{span} / (\# \text{ of points in sweep})] \leq (\text{RBW} / 2)$.

Averaging type = power (i.e., rms):

Detector = Power averaging (rms), if $[\text{span} / (\# \text{ of points in sweep})] \leq (\text{RBW} / 2)$. Satisfying this condition might 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.

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 to use linear voltage averaging. Log or dB averaging shall not be used.

Sweep time = auto.

Perform a trace average of at least 100 traces.

Compute the power by integrating the spectrum over 1 MHz using the instrument's band-power measurement function with band limits set equal to the emission frequency (femission) ± 0.5 MHz. If the spectrum analyzer does not have a band-power function, then sum the amplitude levels (in power units) at 100 kHz intervals extending across the 1 MHz spectrum defined by femission ± 0.5 MHz.

A correction factor shall be added to the measurement results prior to comparing with the emission limit to compute the emission level that would have been measured had the test been performed at 100% 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

$[10 \log (1 / D)]$, where D is the duty cycle.

2) If linear voltage averaging mode was used in step f), then the applicable correction factor is

$[20 \log (1 / D)]$, where D is the duty cycle.

3) If a specific emission is demonstrated to be continuous ($D \geq 98\%$) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.

Reduction of the measured emission amplitude levels to account for operational duty cycle is not permitted. Determining compliance is based on emission levels occurring during transmission—it is not based on an average across ON and OFF times of the transmitter.

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

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

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

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	1.39	1.62	86.20%	0.64
11n(HT20)/11ac(VHT20)	5.09	5.25	96.84%	0.14
11n(HT40)/11ac(VHT40)	4.90	5.12	95.74%	0.19
11ax(HE20)	3.87	4.02	96.25%	0.17
11ax(HE40)	3.84	4.06	94.63%	0.24

Test DataConducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	15.96	39.45	250	Pass
11a	CH44	16.57	45.39	250	Pass
11a	CH48	15.96	39.45	250	Pass
11n(HT20)	CH36	15.90	38.90	250	Pass
11n(HT20)	CH44	15.78	37.84	250	Pass
11n(HT20)	CH48	16.01	39.90	250	Pass
11n(HT40)	CH38	16.06	40.36	250	Pass
11n(HT40)	CH46	15.89	38.82	250	Pass
11ac(VHT20)	CH36	15.96	39.45	250	Pass
11ac(VHT20)	CH44	15.56	35.97	250	Pass
11ac(VHT20)	CH48	15.80	38.02	250	Pass
11ac(VHT40)	CH38	15.82	38.19	250	Pass
11ac(VHT40)	CH46	15.93	39.17	250	Pass
11ax(HE20)(SU)	CH36	15.86	38.55	250	Pass
11ax(HE20)(SU)	CH44	15.66	36.81	250	Pass
11ax(HE20)(SU)	CH48	15.46	35.16	250	Pass
11ax(HE40)(SU)	CH38	15.91	38.99	250	Pass
11ax(HE40)(SU)	CH46	15.82	38.19	250	Pass

U-NII-3 (5725 - 5850 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH149	16.26	42.27	1000	1000	Pass
11a	CH157	16.34	43.05	1000	1000	Pass
11a	CH165	16.50	44.67	1000	1000	Pass
11n(HT20)	CH149	15.98	39.63	1000	1000	Pass
11n(HT20)	CH157	15.30	33.88	1000	1000	Pass
11n(HT20)	CH165	15.61	36.39	1000	1000	Pass
11n(HT40)	CH151	15.77	37.76	1000	1000	Pass
11n(HT40)	CH159	15.96	39.45	1000	1000	Pass
11ac(VHT20)	CH149	15.74	37.50	1000	1000	Pass
11ac(VHT20)	CH157	16.03	40.09	1000	1000	Pass
11ac(VHT20)	CH165	15.73	37.41	1000	1000	Pass
11ac(VHT40)	CH151	15.83	38.28	1000	1000	Pass
11ac(VHT40)	CH159	15.98	39.63	1000	1000	Pass
11ax(HE20)(SU)	CH149	16.01	39.90	1000	1000	Pass
11ax(HE20)(SU)	CH157	16.03	40.09	1000	1000	Pass
11ax(HE20)(SU)	CH165	16.02	39.99	1000	1000	Pass
11ax(HE40)(SU)	CH151	15.74	37.50	1000	1000	Pass
11ax(HE40)(SU)	CH159	15.84	38.37	1000	1000	Pass

E.I.R.P

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	20.37	108.89	168	Pass
11a	CH44	20.98	125.31	168	Pass
11a	CH48	20.37	108.89	168	Pass
11n(HT20)	CH36	20.31	107.40	180	Pass
11n(HT20)	CH44	20.19	104.47	180	Pass
11n(HT20)	CH48	20.42	110.15	180	Pass
11n(HT40)	CH38	20.47	111.43	367	Pass
11n(HT40)	CH46	20.30	107.15	366	Pass
11ac(VHT20)	CH36	20.37	108.89	180	Pass
11ac(VHT20)	CH44	19.97	99.31	180	Pass
11ac(VHT20)	CH48	20.21	104.95	180	Pass
11ac(VHT40)	CH38	20.23	105.44	366	Pass
11ac(VHT40)	CH46	20.34	108.14	366	Pass
11ax(HE20)(SU)	CH36	20.27	106.41	191	Pass
11ax(HE20)(SU)	CH44	20.07	101.62	192	Pass
11ax(HE20)(SU)	CH48	19.87	97.05	191	Pass
11ax(HE40)(SU)	CH38	20.32	107.65	380	Pass
11ax(HE40)(SU)	CH46	20.23	105.44	380	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	21.31	135.21	Pass
11a	CH157	21.39	137.72	Pass
11a	CH165	21.55	142.89	Pass
11n(HT20)	CH149	21.03	126.77	Pass
11n(HT20)	CH157	20.35	108.39	Pass
11n(HT20)	CH165	20.66	116.41	Pass
11n(HT40)	CH151	20.82	120.78	Pass
11n(HT40)	CH159	21.01	126.18	Pass
11ac(VHT20)	CH149	20.79	119.95	Pass
11ac(VHT20)	CH157	21.08	128.23	Pass
11ac(VHT20)	CH165	20.78	119.67	Pass
11ac(VHT40)	CH151	20.88	122.46	Pass
11ac(VHT40)	CH159	21.03	126.77	Pass
11ax(HE20)(SU)	CH149	21.06	127.64	Pass
11ax(HE20)(SU)	CH157	21.08	128.23	Pass
11ax(HE20)(SU)	CH165	21.07	127.94	Pass
11ax(HE40)(SU)	CH151	20.79	119.95	Pass
11ax(HE40)(SU)	CH159	20.89	122.74	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ25C0247-603 Data Part 1.pdf".

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	26.28	16.80
11a	CH44	25.66	16.84
11a	CH48	28.79	16.78
11n(HT20)	CH36	27.73	17.99
11n(HT20)	CH44	27.44	17.98
11n(HT20)	CH48	27.95	17.99
11n(HT40)	CH38	48.01	36.67
11n(HT40)	CH46	54.07	36.61
11ac(VHT20)	CH36	27.50	18.03
11ac(VHT20)	CH44	27.07	17.98
11ac(VHT20)	CH48	29.32	18.00
11ac(VHT40)	CH38	53.29	36.57
11ac(VHT40)	CH46	51.80	36.57
11ax(HE20)(SU)	CH36	27.03	19.15
11ax(HE20)(SU)	CH44	27.07	19.16
11ax(HE20)(SU)	CH48	26.95	19.09
11ax(HE40)(SU)	CH38	49.09	38.05
11ax(HE40)(SU)	CH46	48.63	38.00

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	26.11	17.34
11a	CH157	26.02	17.43
11a	CH165	27.07	17.60
11n(HT20)	CH149	28.33	18.47
11n(HT20)	CH157	28.39	18.34
11n(HT20)	CH165	28.28	18.39
11n(HT40)	CH151	49.73	37.15
11n(HT40)	CH159	49.17	37.26
11ac(VHT20)	CH149	27.56	18.43
11ac(VHT20)	CH157	27.62	18.52
11ac(VHT20)	CH165	28.33	18.37
11ac(VHT40)	CH151	48.56	37.13
11ac(VHT40)	CH159	49.00	37.19
11ax(HE20)(SU)	CH149	27.12	19.29
11ax(HE20)(SU)	CH157	26.12	19.40
11ax(HE20)(SU)	CH165	27.12	19.38
11ax(HE40)(SU)	CH151	47.56	38.27
11ax(HE40)(SU)	CH159	48.07	37.36

A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ25C0247-603 Data Part 2.pdf".

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.70	500.00	Pass
11a	CH157	16.70	500.00	Pass
11a	CH165	16.70	500.00	Pass
11n(HT20)	CH149	17.90	500.00	Pass
11n(HT20)	CH157	17.90	500.00	Pass
11n(HT20)	CH165	17.90	500.00	Pass
11n(HT40)	CH151	37.20	500.00	Pass
11n(HT40)	CH159	37.00	500.00	Pass
11ac(VHT20)	CH149	17.90	500.00	Pass
11ac(VHT20)	CH157	17.90	500.00	Pass
11ac(VHT20)	CH165	17.90	500.00	Pass
11ac(VHT40)	CH151	37.40	500.00	Pass
11ac(VHT40)	CH159	37.40	500.00	Pass
11ax(HE20)(SU)	CH149	19.30	500.00	Pass
11ax(HE20)(SU)	CH157	19.30	500.00	Pass
11ax(HE20)(SU)	CH165	19.30	500.00	Pass
11ax(HE40)(SU)	CH151	38.60	500.00	Pass
11ax(HE40)(SU)	CH159	38.60	500.00	Pass

A.4 Power Spectral Density

Note: Test plots please refer to the document "Annex No.: BL-SZ25C0247-603 Data Part 3.pdf".

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	4.59	11.00	Pass
11a	CH44	5.02	11.00	Pass
11a	CH48	4.52	11.00	Pass
11n(HT20)	CH36	4.32	11.00	Pass
11n(HT20)	CH44	3.97	11.00	Pass
11n(HT20)	CH48	4.27	11.00	Pass
11n(HT40)	CH38	1.35	11.00	Pass
11n(HT40)	CH46	1.04	11.00	Pass
11ac(VHT20)	CH36	4.25	11.00	Pass
11ac(VHT20)	CH44	3.64	11.00	Pass
11ac(VHT20)	CH48	3.93	11.00	Pass
11ac(VHT40)	CH38	1.16	11.00	Pass
11ac(VHT40)	CH46	1.07	11.00	Pass
11ax(HE20)(SU)	CH36	3.79	11.00	Pass
11ax(HE20)(SU)	CH44	3.67	11.00	Pass
11ax(HE20)(SU)	CH48	3.73	11.00	Pass
11ax(HE40)(SU)	CH38	0.80	11.00	Pass
11ax(HE40)(SU)	CH46	0.94	11.00	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	PSD (dBm/500kHz)	FCC Limit (dBm/500kHz)	IC Limit (dBm/500kHz)	Verdict
11a	CH149	1.86	30.00	30.00	Pass
11a	CH157	1.98	30.00	30.00	Pass
11a	CH165	1.95	30.00	30.00	Pass
11n(HT20)	CH149	1.23	30.00	30.00	Pass
11n(HT20)	CH157	0.35	30.00	30.00	Pass
11n(HT20)	CH165	0.51	30.00	30.00	Pass
11n(HT40)	CH151	-1.99	30.00	30.00	Pass
11n(HT40)	CH159	-1.96	30.00	30.00	Pass
11ac(VHT20)	CH149	0.93	30.00	30.00	Pass
11ac(VHT20)	CH157	0.95	30.00	30.00	Pass
11ac(VHT20)	CH165	0.47	30.00	30.00	Pass
11ac(VHT40)	CH151	-2.03	30.00	30.00	Pass
11ac(VHT40)	CH159	-2.06	30.00	30.00	Pass
11ax(HE20)(SU)	CH149	0.66	30.00	30.00	Pass
11ax(HE20)(SU)	CH157	0.68	30.00	30.00	Pass
11ax(HE20)(SU)	CH165	0.61	30.00	30.00	Pass
11ax(HE40)(SU)	CH151	-2.25	30.00	30.00	Pass
11ax(HE40)(SU)	CH159	-2.28	30.00	30.00	Pass

E.I.R.P

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	E.I.R.P PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
11a	CH36	6.61	10.00	Pass
11a	CH44	7.04	10.00	Pass
11a	CH48	6.54	10.00	Pass
11n(HT20)	CH36	6.34	10.00	Pass
11n(HT20)	CH44	5.99	10.00	Pass
11n(HT20)	CH48	6.29	10.00	Pass
11n(HT40)	CH38	3.37	10.00	Pass
11n(HT40)	CH46	3.06	10.00	Pass
11ac(VHT20)	CH36	6.27	10.00	Pass
11ac(VHT20)	CH44	5.66	10.00	Pass
11ac(VHT20)	CH48	5.95	10.00	Pass
11ac(VHT40)	CH38	3.18	10.00	Pass
11ac(VHT40)	CH46	3.09	10.00	Pass
11ax(HE20)(SU)	CH36	5.81	10.00	Pass
11ax(HE20)(SU)	CH44	5.69	10.00	Pass
11ax(HE20)(SU)	CH48	5.75	10.00	Pass
11ax(HE40)(SU)	CH38	2.82	10.00	Pass
11ax(HE40)(SU)	CH46	2.96	10.00	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/500kHz)	Verdict
11a	CH149	4.05	Pass
11a	CH157	4.17	Pass
11a	CH165	4.14	Pass
11n(HT20)	CH149	3.42	Pass
11n(HT20)	CH157	2.54	Pass
11n(HT20)	CH165	2.70	Pass
11n(HT40)	CH151	0.20	Pass
11n(HT40)	CH159	0.23	Pass
11ac(VHT20)	CH149	3.12	Pass
11ac(VHT20)	CH157	3.14	Pass
11ac(VHT20)	CH165	2.66	Pass
11ac(VHT40)	CH151	0.16	Pass
11ac(VHT40)	CH159	0.13	Pass
11ax(HE20)(SU)	CH149	2.85	Pass
11ax(HE20)(SU)	CH157	2.87	Pass
11ax(HE20)(SU)	CH165	2.80	Pass
11ax(HE40)(SU)	CH151	-0.06	Pass
11ax(HE40)(SU)	CH159	-0.09	Pass

A.5 Conducted Emissions

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

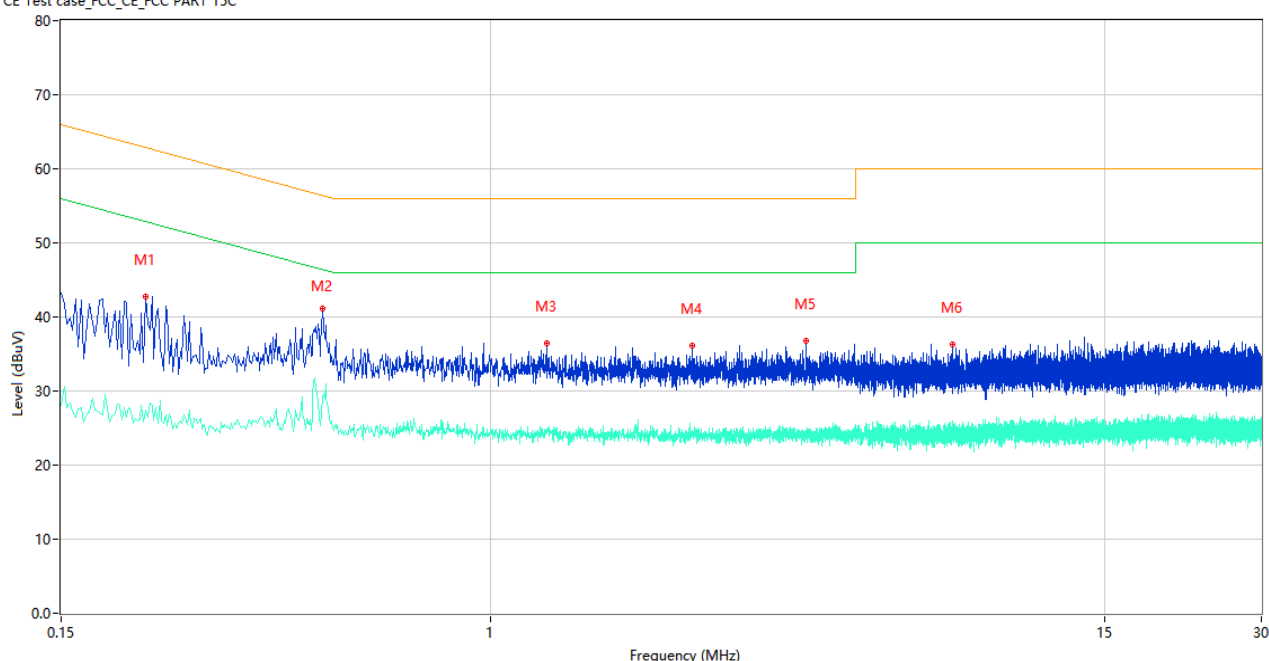
Note ²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

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

Test Data and Plots

PHASE L

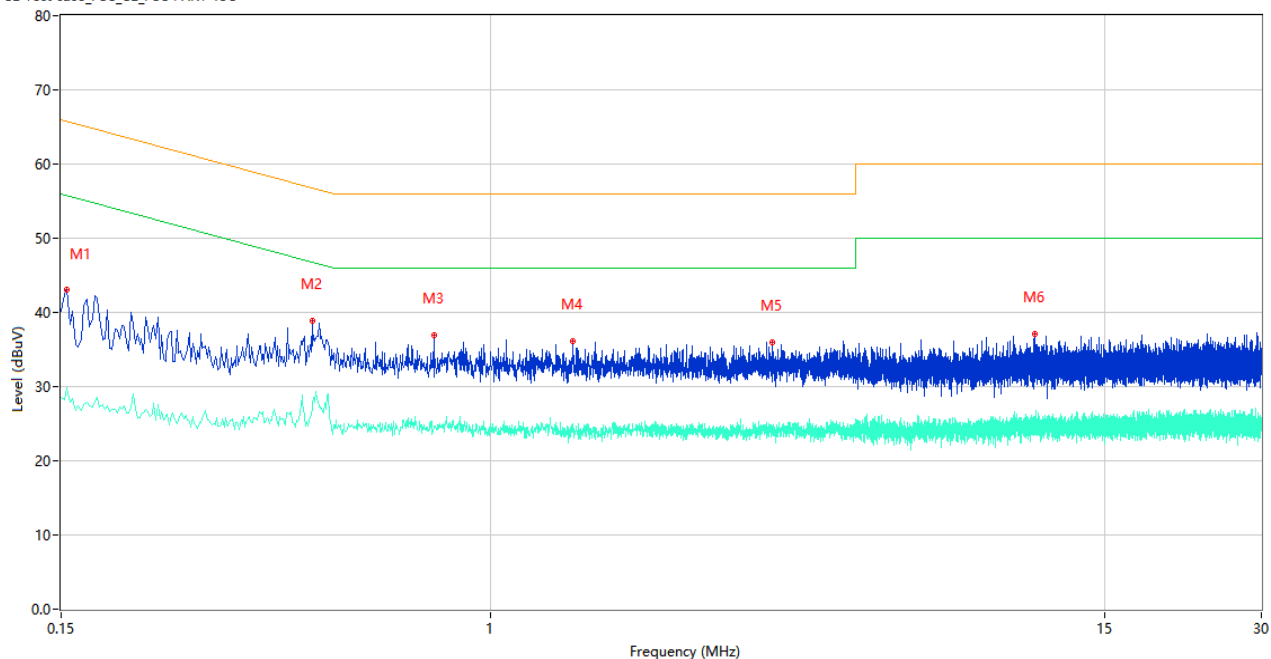
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.218	42.79	9.83	62.89	20.10	Peak	L	Pass
1**	0.218	27.41	9.83	52.89	25.48	AV	L	Pass
2	0.476	41.13	10.06	56.41	15.28	Peak	L	Pass
2**	0.476	29.15	10.06	46.41	17.26	AV	L	Pass
3	1.278	36.46	10.54	56.00	19.54	Peak	L	Pass
3**	1.278	24.83	10.54	46.00	21.17	AV	L	Pass
4	2.438	36.09	10.26	56.00	19.91	Peak	L	Pass
4**	2.438	24.59	10.26	46.00	21.41	AV	L	Pass
5	4.026	36.73	10.24	56.00	19.27	Peak	L	Pass
5**	4.026	24.01	10.24	46.00	21.99	AV	L	Pass
6	7.686	36.29	10.75	60.00	23.71	Peak	L	Pass
6**	7.686	26.05	10.75	50.00	23.95	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	0.154	43.07	9.86	65.78	22.71	Peak	N	Pass
1**	0.154	29.86	9.86	55.78	25.92	AV	N	Pass
2	0.454	38.89	10.09	56.80	17.91	Peak	N	Pass
2**	0.454	26.96	10.09	46.80	19.84	AV	N	Pass
3	0.778	36.91	10.43	56.00	19.09	Peak	N	Pass
3**	0.778	24.64	10.43	46.00	21.36	AV	N	Pass
4	1.438	36.11	10.04	56.00	19.89	Peak	N	Pass
4**	1.438	23.94	10.04	46.00	22.06	AV	N	Pass
5	3.464	35.96	10.27	56.00	20.04	Peak	N	Pass
5**	3.464	24.70	10.27	46.00	21.30	AV	N	Pass
6	11.064	37.10	10.65	60.00	22.90	Peak	N	Pass
6**	11.064	24.41	10.65	50.00	25.59	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 C63.10, 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.

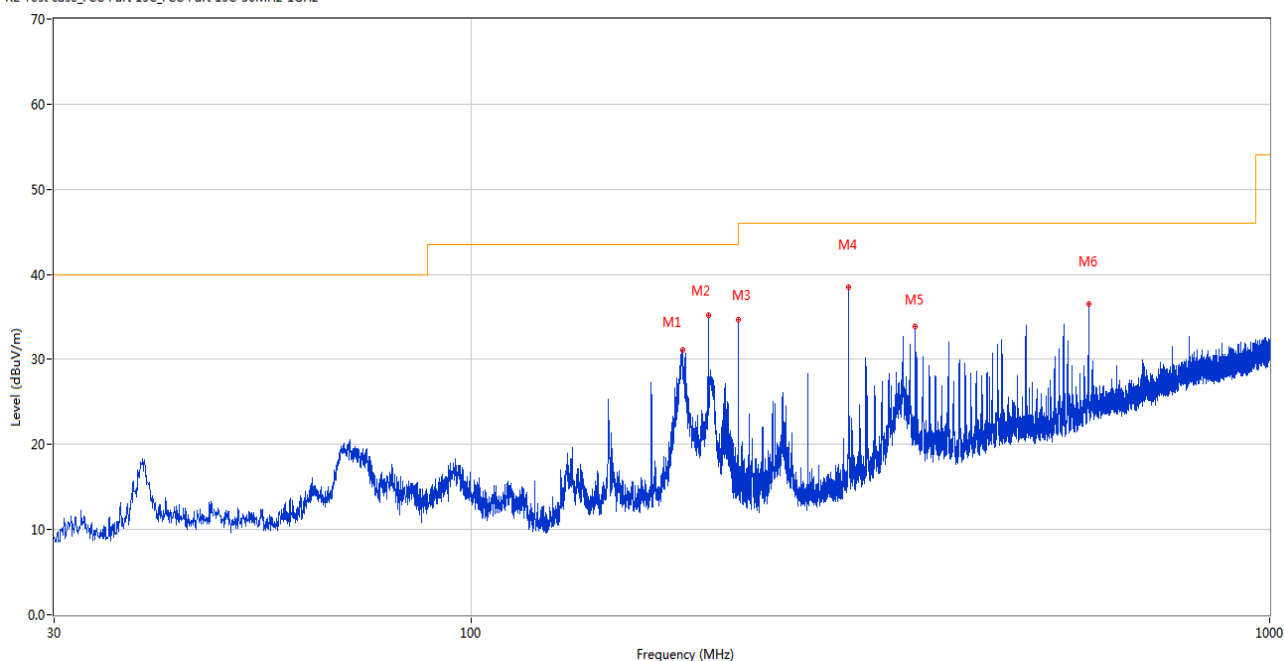
Note ³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

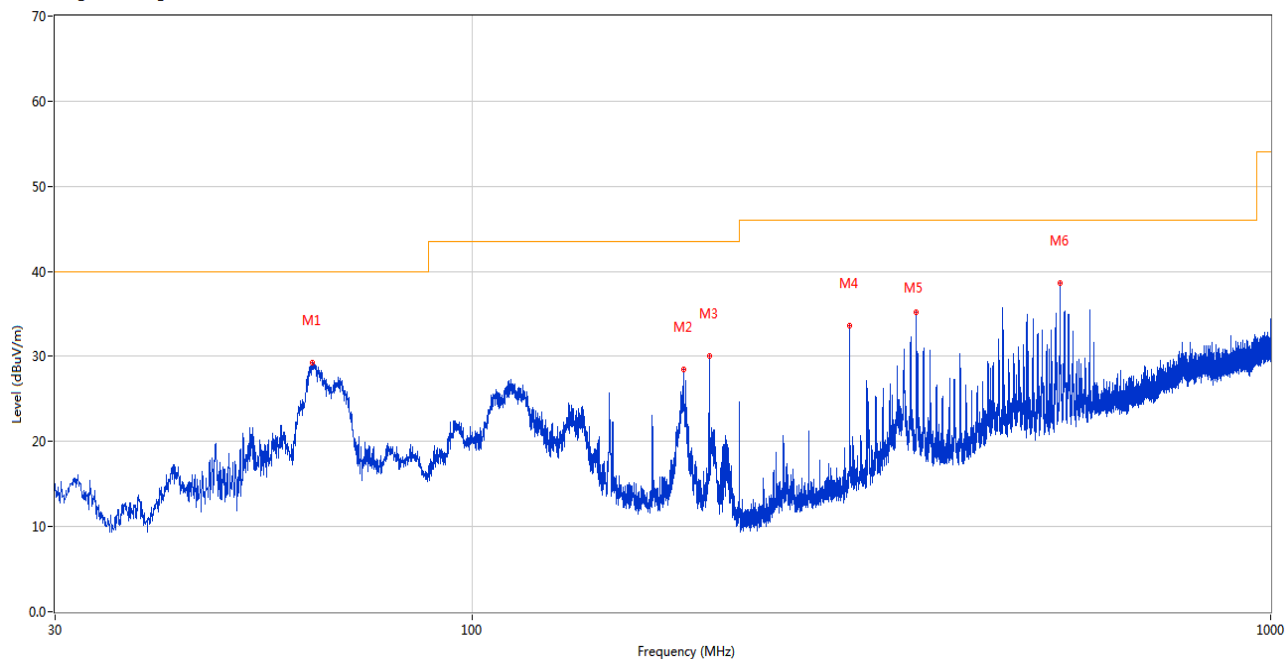
RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	183.890	31.13	-25.78	43.5	12.37	Peak	113.00	200	Horizontal	Pass
2	198.004	35.15	-26.72	43.5	8.35	Peak	160.00	100	Horizontal	Pass
3	215.998	34.63	-26.78	43.5	8.87	Peak	160.00	100	Horizontal	Pass
4	296.992	38.49	-22.13	46.0	7.51	Peak	94.00	100	Horizontal	Pass
5	359.994	33.85	-20.25	46.0	12.15	Peak	36.00	100	Horizontal	Pass
6	594.006	36.53	-13.24	46.0	9.47	Peak	230.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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

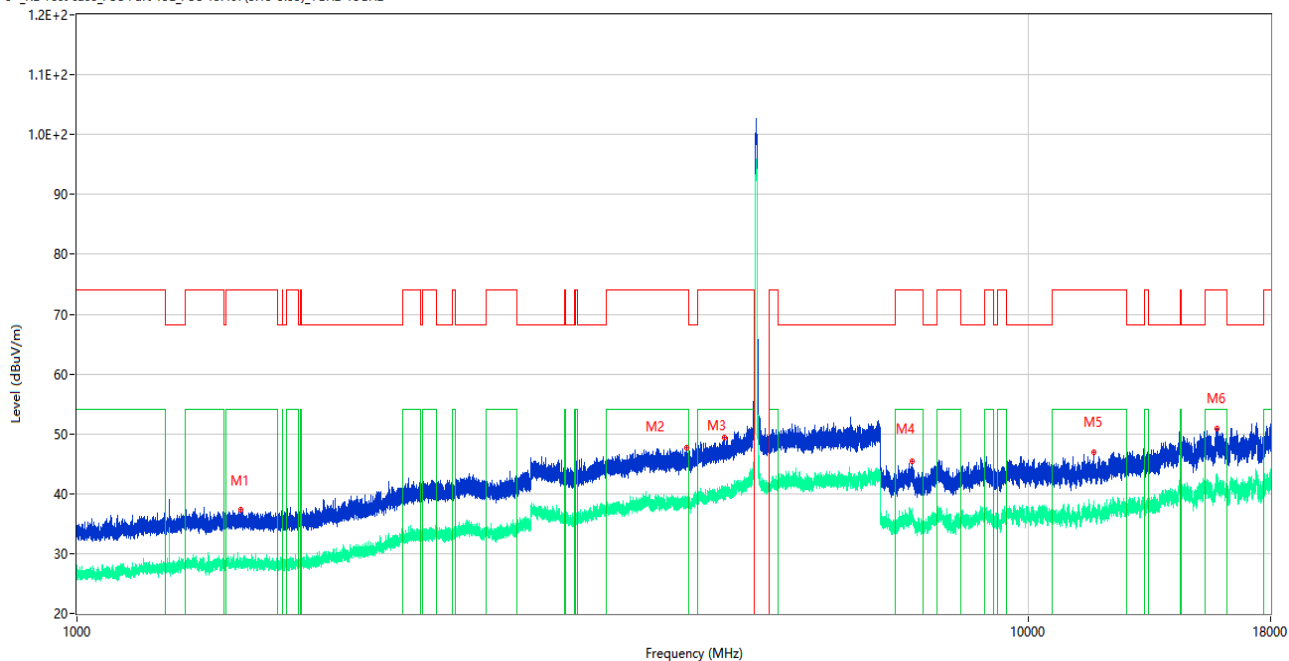


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	62.980	29.30	-25.98	40.0	10.70	Peak	125.00	100	Vertical	Pass
2	183.939	28.53	-25.78	43.5	14.97	Peak	337.00	100	Vertical	Pass
3	198.004	30.04	-26.72	43.5	13.46	Peak	101.00	100	Vertical	Pass
4	296.992	33.60	-22.13	46.0	12.40	Peak	0.00	200	Vertical	Pass
5	359.994	35.16	-20.25	46.0	10.84	Peak	133.00	100	Vertical	Pass
6	544.439	38.66	-14.91	46.0	7.34	Peak	166.00	100	Vertical	Pass

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

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

3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.163	37.25	74.0	36.75	Peak	36.00	300	Horizontal	Pass
1**	1489.163	29.08	54.0	24.92	AV	36.00	300	Horizontal	Pass
2	4377.193	47.81	74.0	26.19	Peak	61.00	400	Horizontal	Pass
2**	4377.193	38.47	54.0	15.53	AV	61.00	400	Horizontal	Pass
3	4802.305	49.60	74.0	24.40	Peak	331.00	200	Horizontal	Pass
3**	4802.305	39.73	54.0	14.27	AV	331.00	200	Horizontal	Pass
4	7552.234	45.38	74.0	28.62	Peak	73.00	400	Horizontal	Pass
4**	7552.234	36.11	54.0	17.89	AV	73.00	400	Horizontal	Pass
5	11735.702	47.10	74.0	26.91	Peak	146.00	100	Horizontal	Pass
5**	11735.702	38.16	54.0	15.84	AV	146.00	100	Horizontal	Pass
6	15803.425	51.08	74.0	22.93	Peak	290.00	200	Horizontal	Pass
6**	15803.425	44.99	54.0	9.01	AV	290.00	200	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	1160.599	49.55	74.0	24.45	Peak	267.00	300	Vertical	Pass
1**	1160.599	34.81	54.0	19.19	AV	267.00	300	Vertical	Pass
2	1339.747	46.78	74.0	27.22	Peak	70.00	300	Vertical	Pass
2**	1339.747	38.53	54.0	15.47	AV	70.00	300	Vertical	Pass
3	4926.118	48.51	74.0	25.49	Peak	319.00	200	Vertical	Pass
3**	4926.118	39.28	54.0	14.72	AV	319.00	200	Vertical	Pass
4	7935.133	53.47	74.0	20.53	Peak	240.00	400	Vertical	Pass
4**	7935.133	43.67	54.0	10.34	AV	240.00	400	Vertical	Pass
5	12494.157	53.19	74.0	20.81	Peak	215.00	400	Vertical	Pass
5**	12494.157	43.86	54.0	10.14	AV	215.00	400	Vertical	Pass
6	17098.529	54.33	74.0	19.67	Peak	131.00	400	Vertical	Pass
6**	17098.529	43.58	54.0	10.43	AV	131.00	400	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	1484.405	37.20	74.0	36.80	Peak	95.00	300	Horizontal	Pass
1**	1484.405	28.93	54.0	25.07	AV	95.00	300	Horizontal	Pass
2	4379.621	47.77	74.0	26.23	Peak	352.00	100	Horizontal	Pass
2**	4379.621	38.23	54.0	15.77	AV	352.00	100	Horizontal	Pass
3	4802.764	49.38	74.0	24.62	Peak	201.00	200	Horizontal	Pass
3**	4802.764	39.54	54.0	14.46	AV	201.00	200	Horizontal	Pass
4	7552.279	45.22	74.0	28.78	Peak	100.00	300	Horizontal	Pass
4**	7552.279	35.89	54.0	18.11	AV	100.00	300	Horizontal	Pass
5	11730.601	46.93	74.0	27.07	Peak	209.00	200	Horizontal	Pass
5**	11730.601	38.01	54.0	15.99	AV	209.00	200	Horizontal	Pass
6	15807.003	50.79	74.0	23.21	Peak	203.00	100	Horizontal	Pass
6**	15807.003	42.68	54.0	11.32	AV	203.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1161.174	49.46	74.0	24.54	Peak	330.00	100	Vertical	Pass
1**	1161.174	34.67	54.0	19.34	AV	330.00	100	Vertical	Pass
2	1339.138	46.66	74.0	27.34	Peak	154.00	100	Vertical	Pass
2**	1339.138	38.37	54.0	15.63	AV	154.00	100	Vertical	Pass
3	4926.604	48.49	74.0	25.51	Peak	71.00	200	Vertical	Pass
3**	4926.604	39.26	54.0	14.74	AV	71.00	200	Vertical	Pass
4	7933.869	53.26	74.0	20.74	Peak	203.00	400	Vertical	Pass
4**	7933.869	43.44	54.0	10.56	AV	203.00	400	Vertical	Pass
5	12495.264	53.01	74.0	20.99	Peak	133.00	300	Vertical	Pass
5**	12495.264	43.75	54.0	10.25	AV	133.00	300	Vertical	Pass
6	17103.743	54.32	74.0	19.68	Peak	236.00	200	Vertical	Pass
6**	17103.743	43.40	54.0	10.61	AV	236.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1487.381	36.94	74.0	37.06	Peak	126.00	400	Horizontal	Pass
1**	1487.381	28.91	54.0	25.09	AV	126.00	400	Horizontal	Pass
2	4379.436	47.62	74.0	26.38	Peak	329.00	200	Horizontal	Pass
2**	4379.436	37.94	54.0	16.06	AV	329.00	200	Horizontal	Pass
3	4799.748	49.20	74.0	24.80	Peak	108.00	200	Horizontal	Pass
3**	4799.748	39.46	54.0	14.54	AV	108.00	200	Horizontal	Pass
4	7554.055	45.16	74.0	28.84	Peak	203.00	100	Horizontal	Pass
4**	7554.055	35.61	54.0	18.39	AV	203.00	100	Horizontal	Pass
5	11732.068	46.82	74.0	27.18	Peak	27.00	300	Horizontal	Pass
5**	11732.068	37.77	54.0	16.23	AV	27.00	300	Horizontal	Pass
6	15805.528	50.60	74.0	23.40	Peak	286.00	300	Horizontal	Pass
6**	15805.528	42.45	54.0	11.55	AV	286.00	300	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	1165.120	49.46	74.0	24.54	Peak	126.00	100	Vertical	Pass
1**	1165.120	34.40	54.0	19.60	AV	126.00	100	Vertical	Pass
2	1332.396	46.50	74.0	27.50	Peak	187.00	200	Vertical	Pass
2**	1332.396	38.20	54.0	15.80	AV	187.00	200	Vertical	Pass
3	4923.405	48.32	74.0	25.68	Peak	3.00	200	Vertical	Pass
3**	4923.405	39.26	54.0	14.75	AV	3.00	200	Vertical	Pass
4	7936.703	52.98	74.0	21.02	Peak	15.00	300	Vertical	Pass
4**	7936.703	43.29	54.0	10.71	AV	15.00	300	Vertical	Pass
5	12496.836	52.78	74.0	21.22	Peak	347.00	100	Vertical	Pass
5**	12496.836	43.64	54.0	10.36	AV	347.00	100	Vertical	Pass
6	17104.042	54.22	74.0	19.78	Peak	107.00	300	Vertical	Pass
6**	17104.042	43.39	54.0	10.61	AV	107.00	300	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	1488.660	37.22	74.0	36.78	Peak	341.00	400	Horizontal	Pass
1**	1488.660	28.83	54.0	25.17	AV	341.00	400	Horizontal	Pass
2	4375.782	47.56	74.0	26.44	Peak	171.00	200	Horizontal	Pass
2**	4375.782	38.18	54.0	15.82	AV	171.00	200	Horizontal	Pass
3	4795.047	49.34	74.0	24.66	Peak	148.00	200	Horizontal	Pass
3**	4795.047	39.70	54.0	14.30	AV	148.00	200	Horizontal	Pass
4	7551.300	45.20	74.0	28.81	Peak	104.00	100	Horizontal	Pass
4**	7551.300	35.83	54.0	18.17	AV	104.00	100	Horizontal	Pass
5	11734.595	47.01	74.0	26.99	Peak	153.00	100	Horizontal	Pass
5**	11734.595	38.05	54.0	15.95	AV	153.00	100	Horizontal	Pass
6	15807.551	50.87	74.0	23.13	Peak	200.00	300	Horizontal	Pass
6**	15807.551	42.61	54.0	11.39	AV	200.00	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	1158.316	49.43	74.0	24.57	Peak	321.00	300	Vertical	Pass
1**	1158.316	34.28	54.0	19.72	AV	321.00	300	Vertical	Pass
2	1335.427	46.31	74.0	27.69	Peak	301.00	400	Vertical	Pass
2**	1335.427	38.10	54.0	15.90	AV	301.00	400	Vertical	Pass
3	4922.543	48.23	74.0	25.78	Peak	244.00	200	Vertical	Pass
3**	4922.543	39.19	54.0	14.81	AV	244.00	200	Vertical	Pass
4	7932.162	52.96	74.0	21.04	Peak	195.00	200	Vertical	Pass
4**	7932.162	43.22	54.0	10.78	AV	195.00	200	Vertical	Pass
5	12495.966	52.70	74.0	21.30	Peak	228.00	200	Vertical	Pass
5**	12495.966	43.58	54.0	10.42	AV	228.00	200	Vertical	Pass
6	17098.100	54.01	74.0	19.99	Peak	27.00	400	Vertical	Pass
6**	17098.100	43.22	54.0	10.78	AV	27.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.531	36.97	74.0	37.03	Peak	330.00	200	Horizontal	Pass
1**	1490.531	28.85	54.0	25.15	AV	330.00	200	Horizontal	Pass
2	4381.869	47.58	74.0	26.42	Peak	340.00	200	Horizontal	Pass
2**	4381.869	38.20	54.0	15.80	AV	340.00	200	Horizontal	Pass
3	4800.907	49.31	74.0	24.69	Peak	159.00	200	Horizontal	Pass
3**	4800.907	39.52	54.0	14.48	AV	159.00	200	Horizontal	Pass
4	7557.271	44.92	74.0	29.08	Peak	246.00	100	Horizontal	Pass
4**	7557.271	35.65	54.0	18.36	AV	246.00	100	Horizontal	Pass
5	11733.931	46.70	74.0	27.30	Peak	192.00	300	Horizontal	Pass
5**	11733.931	37.72	54.0	16.28	AV	192.00	300	Horizontal	Pass
6	15802.527	50.56	74.0	23.44	Peak	32.00	200	Horizontal	Pass
6**	15802.527	42.53	54.0	11.48	AV	32.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1164.115	49.28	74.0	24.72	Peak	135.00	100	Vertical	Pass
1**	1164.115	34.19	54.0	19.82	AV	135.00	100	Vertical	Pass
2	1332.439	46.15	74.0	27.85	Peak	329.00	400	Vertical	Pass
2**	1332.439	37.89	54.0	16.11	AV	329.00	400	Vertical	Pass
3	4926.422	48.17	74.0	25.83	Peak	136.00	200	Vertical	Pass
3**	4926.422	39.11	54.0	14.90	AV	136.00	200	Vertical	Pass
4	7935.754	52.76	74.0	21.24	Peak	176.00	100	Vertical	Pass
4**	7935.754	43.04	54.0	10.96	AV	176.00	100	Vertical	Pass
5	12495.783	52.64	74.0	21.36	Peak	207.00	200	Vertical	Pass
5**	12495.783	43.33	54.0	10.67	AV	207.00	200	Vertical	Pass
6	17104.790	53.93	74.0	20.07	Peak	250.00	200	Vertical	Pass
6**	17104.790	43.10	54.0	10.91	AV	250.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1487.972	36.93	74.0	37.07	Peak	176.00	200	Horizontal	Pass
1**	1487.972	28.88	54.0	25.12	AV	176.00	200	Horizontal	Pass
2	4380.531	47.34	74.0	26.66	Peak	341.00	300	Horizontal	Pass
2**	4380.531	37.85	54.0	16.15	AV	341.00	300	Horizontal	Pass
3	4798.316	49.01	74.0	25.00	Peak	12.00	200	Horizontal	Pass
3**	4798.316	39.37	54.0	14.63	AV	12.00	200	Horizontal	Pass
4	7553.132	44.91	74.0	29.09	Peak	353.00	100	Horizontal	Pass
4**	7553.132	35.52	54.0	18.48	AV	353.00	100	Horizontal	Pass
5	11732.607	46.66	74.0	27.34	Peak	164.00	400	Horizontal	Pass
5**	11732.607	37.67	54.0	16.33	AV	164.00	400	Horizontal	Pass
6	15800.799	50.59	74.0	23.41	Peak	66.00	300	Horizontal	Pass
6**	15800.799	42.23	54.0	11.77	AV	66.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1164.614	48.99	74.0	25.02	Peak	332.00	400	Vertical	Pass
1**	1164.614	34.00	54.0	20.00	AV	332.00	400	Vertical	Pass
2	1334.805	46.14	74.0	27.86	Peak	259.00	400	Vertical	Pass
2**	1334.805	37.68	54.0	16.32	AV	259.00	400	Vertical	Pass
3	4926.536	47.89	74.0	26.11	Peak	51.00	200	Vertical	Pass
3**	4926.536	38.99	54.0	15.01	AV	51.00	200	Vertical	Pass
4	7934.611	52.55	74.0	21.45	Peak	297.00	400	Vertical	Pass
4**	7934.611	42.98	54.0	11.02	AV	297.00	400	Vertical	Pass
5	12494.397	52.37	74.0	21.63	Peak	103.00	300	Vertical	Pass
5**	12494.397	43.24	54.0	10.76	AV	103.00	300	Vertical	Pass
6	17105.360	53.86	74.0	20.14	Peak	238.00	300	Vertical	Pass
6**	17105.360	43.98	54.0	10.02	AV	238.00	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	1487.091	37.01	74.0	36.99	Peak	285.00	200	Horizontal	Pass
1**	1487.091	29.07	54.0	24.93	AV	285.00	200	Horizontal	Pass
2	4377.263	47.66	74.0	26.34	Peak	329.00	400	Horizontal	Pass
2**	4377.263	38.38	54.0	15.63	AV	329.00	400	Horizontal	Pass
3	4801.443	49.59	74.0	24.41	Peak	167.00	200	Horizontal	Pass
3**	4801.443	39.60	54.0	14.40	AV	167.00	200	Horizontal	Pass
4	7552.342	45.28	74.0	28.72	Peak	217.00	100	Horizontal	Pass
4**	7552.342	35.82	54.0	18.18	AV	217.00	100	Horizontal	Pass
5	11734.787	47.08	74.0	26.92	Peak	277.00	300	Horizontal	Pass
5**	11734.787	38.09	54.0	15.92	AV	277.00	300	Horizontal	Pass
6	15807.336	50.86	74.0	23.14	Peak	247.00	100	Horizontal	Pass
6**	15807.336	42.52	54.0	11.48	AV	247.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1163.928	48.87	74.0	25.13	Peak	194.00	400	Vertical	Pass
1**	1163.928	33.87	54.0	20.13	AV	194.00	400	Vertical	Pass
2	1337.872	45.93	74.0	28.07	Peak	82.00	300	Vertical	Pass
2**	1337.872	37.46	54.0	16.54	AV	82.00	300	Vertical	Pass
3	4927.735	47.71	74.0	26.29	Peak	101.00	200	Vertical	Pass
3**	4927.735	38.89	54.0	15.11	AV	101.00	200	Vertical	Pass
4	7933.102	52.46	74.0	21.54	Peak	283.00	100	Vertical	Pass
4**	7933.102	42.80	54.0	11.20	AV	283.00	100	Vertical	Pass
5	12493.684	52.32	74.0	21.68	Peak	215.00	400	Vertical	Pass
5**	12493.684	43.02	54.0	10.98	AV	215.00	400	Vertical	Pass
6	17099.150	53.57	74.0	20.43	Peak	154.00	200	Vertical	Pass
6**	17099.150	43.90	54.0	10.10	AV	154.00	200	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	1487.850	36.90	74.0	37.10	Peak	351.00	400	Horizontal	Pass
1**	1487.850	28.71	54.0	25.29	AV	351.00	400	Horizontal	Pass
2	4375.044	47.56	74.0	26.44	Peak	6.00	200	Horizontal	Pass
2**	4375.044	38.04	54.0	15.96	AV	6.00	200	Horizontal	Pass
3	4795.896	49.27	74.0	24.73	Peak	6.00	200	Horizontal	Pass
3**	4795.896	39.28	54.0	14.72	AV	6.00	200	Horizontal	Pass
4	7557.146	44.92	74.0	29.08	Peak	202.00	100	Horizontal	Pass
4**	7557.146	35.88	54.0	18.12	AV	202.00	100	Horizontal	Pass
5	11730.939	46.75	74.0	27.25	Peak	17.00	200	Horizontal	Pass
5**	11730.939	37.87	54.0	16.13	AV	17.00	200	Horizontal	Pass
6	15807.457	50.68	74.0	23.32	Peak	192.00	100	Horizontal	Pass
6**	15807.457	42.55	54.0	11.45	AV	192.00	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	1164.581	48.86	74.0	25.14	Peak	20.00	300	Vertical	Pass
1**	1164.581	33.75	54.0	20.25	AV	20.00	300	Vertical	Pass
2	1332.035	45.79	74.0	28.21	Peak	129.00	200	Vertical	Pass
2**	1332.035	37.38	54.0	16.62	AV	129.00	200	Vertical	Pass
3	4923.355	47.49	74.0	26.51	Peak	97.00	200	Vertical	Pass
3**	4923.355	38.85	54.0	15.15	AV	97.00	200	Vertical	Pass
4	7935.917	52.30	74.0	21.70	Peak	252.00	100	Vertical	Pass
4**	7935.917	42.69	54.0	11.31	AV	252.00	100	Vertical	Pass
5	12498.159	52.08	74.0	21.92	Peak	22.00	200	Vertical	Pass
5**	12498.159	42.95	54.0	11.05	AV	22.00	200	Vertical	Pass
6	17097.913	53.50	74.0	20.51	Peak	294.00	400	Vertical	Pass
6**	17097.913	43.65	54.0	10.35	AV	294.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1487.324	37.24	74.0	36.76	Peak	353.00	100	Horizontal	Pass
1**	1487.324	28.95	54.0	25.05	AV	353.00	100	Horizontal	Pass
2	4381.329	47.71	74.0	26.29	Peak	333.00	200	Horizontal	Pass
2**	4381.329	38.46	54.0	15.54	AV	333.00	200	Horizontal	Pass
3	4795.615	49.55	74.0	24.45	Peak	159.00	200	Horizontal	Pass
3**	4795.615	39.56	54.0	14.44	AV	159.00	200	Horizontal	Pass
4	7553.893	45.27	74.0	28.73	Peak	23.00	300	Horizontal	Pass
4**	7553.893	36.04	54.0	17.96	AV	23.00	300	Horizontal	Pass
5	11735.928	46.92	74.0	27.08	Peak	101.00	200	Horizontal	Pass
5**	11735.928	38.04	54.0	15.96	AV	101.00	200	Horizontal	Pass
6	15800.497	50.93	74.0	23.07	Peak	180.00	300	Horizontal	Pass
6**	15800.497	42.61	54.0	11.39	AV	180.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1159.586	48.68	74.0	25.32	Peak	154.00	300	Vertical	Pass
1**	1159.586	33.57	54.0	20.43	AV	154.00	300	Vertical	Pass
2	1337.574	45.50	74.0	28.50	Peak	315.00	200	Vertical	Pass
2**	1337.574	37.20	54.0	16.80	AV	315.00	200	Vertical	Pass
3	4925.233	47.22	74.0	26.78	Peak	123.00	200	Vertical	Pass
3**	4925.233	38.55	54.0	15.45	AV	123.00	200	Vertical	Pass
4	7936.467	52.26	74.0	21.74	Peak	96.00	100	Vertical	Pass
4**	7936.467	42.67	54.0	11.34	AV	96.00	100	Vertical	Pass
5	12495.142	51.93	74.0	22.07	Peak	42.00	400	Vertical	Pass
5**	12495.142	42.86	54.0	11.14	AV	42.00	400	Vertical	Pass
6	17099.745	53.47	74.0	20.53	Peak	277.00	300	Vertical	Pass
6**	17099.745	43.39	54.0	10.61	AV	277.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.090	37.03	74.0	36.97	Peak	312.00	100	Horizontal	Pass
1**	1485.090	28.75	54.0	25.25	AV	312.00	100	Horizontal	Pass
2	4381.364	47.76	74.0	26.24	Peak	358.00	100	Horizontal	Pass
2**	4381.364	38.14	54.0	15.86	AV	358.00	100	Horizontal	Pass
3	4799.148	49.20	74.0	24.81	Peak	231.00	200	Horizontal	Pass
3**	4799.148	39.31	54.0	14.69	AV	231.00	200	Horizontal	Pass
4	7554.980	45.08	74.0	28.92	Peak	133.00	200	Horizontal	Pass
4**	7554.980	35.71	54.0	18.29	AV	133.00	200	Horizontal	Pass
5	11730.655	46.83	74.0	27.17	Peak	221.00	200	Horizontal	Pass
5**	11730.655	37.90	54.0	16.10	AV	221.00	200	Horizontal	Pass
6	15806.758	50.54	74.0	23.46	Peak	38.00	300	Horizontal	Pass
6**	15806.758	42.65	54.0	11.35	AV	38.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1165.287	48.61	74.0	25.39	Peak	353.00	300	Vertical	Pass
1**	1165.287	33.32	54.0	20.68	AV	353.00	300	Vertical	Pass
2	1336.670	45.24	74.0	28.76	Peak	112.00	300	Vertical	Pass
2**	1336.670	37.14	54.0	16.86	AV	112.00	300	Vertical	Pass
3	4927.262	47.05	74.0	26.95	Peak	172.00	200	Vertical	Pass
3**	4927.262	38.32	54.0	15.68	AV	172.00	200	Vertical	Pass
4	7932.326	52.21	74.0	21.80	Peak	168.00	200	Vertical	Pass
4**	7932.326	42.50	54.0	11.50	AV	168.00	200	Vertical	Pass
5	12496.731	51.75	74.0	22.25	Peak	145.00	100	Vertical	Pass
5**	12496.731	42.72	54.0	11.28	AV	145.00	100	Vertical	Pass
6	17098.931	53.33	74.0	20.68	Peak	215.00	400	Vertical	Pass
6**	17098.931	43.29	54.0	10.71	AV	215.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1486.795	36.78	74.0	37.22	Peak	196.00	100	Horizontal	Pass
1**	1486.795	28.77	54.0	25.23	AV	196.00	100	Horizontal	Pass
2	4376.279	47.60	74.0	26.40	Peak	193.00	200	Horizontal	Pass
2**	4376.279	37.92	54.0	16.08	AV	193.00	200	Horizontal	Pass
3	4802.035	48.92	74.0	25.08	Peak	148.00	200	Horizontal	Pass
3**	4802.035	39.37	54.0	14.63	AV	148.00	200	Horizontal	Pass
4	7554.901	44.90	74.0	29.11	Peak	319.00	200	Horizontal	Pass
4**	7554.901	35.44	54.0	18.56	AV	319.00	200	Horizontal	Pass
5	11731.279	46.57	74.0	27.43	Peak	26.00	400	Horizontal	Pass
5**	11731.279	37.66	54.0	16.34	AV	26.00	400	Horizontal	Pass
6	15808.301	50.44	74.0	23.56	Peak	6.00	200	Horizontal	Pass
6**	15808.301	42.33	54.0	11.67	AV	6.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1161.601	48.40	74.0	25.60	Peak	298.00	200	Vertical	Pass
1**	1161.601	33.14	54.0	20.86	AV	298.00	200	Vertical	Pass
2	1332.027	45.18	74.0	28.82	Peak	341.00	400	Vertical	Pass
2**	1332.027	37.06	54.0	16.94	AV	341.00	400	Vertical	Pass
3	4923.999	46.78	74.0	27.22	Peak	330.00	200	Vertical	Pass
3**	4923.999	38.29	54.0	15.71	AV	330.00	200	Vertical	Pass
4	7936.177	52.04	74.0	21.97	Peak	287.00	100	Vertical	Pass
4**	7936.177	42.25	54.0	11.75	AV	287.00	100	Vertical	Pass
5	12495.187	51.48	74.0	22.52	Peak	327.00	100	Vertical	Pass
5**	12495.187	42.45	54.0	11.55	AV	327.00	100	Vertical	Pass
6	17105.092	53.26	74.0	20.75	Peak	61.00	400	Vertical	Pass
6**	17105.092	43.08	54.0	10.93	AV	61.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1487.434	37.13	74.0	36.87	Peak	64.00	400	Horizontal	Pass
1**	1487.434	28.74	54.0	25.26	AV	64.00	400	Horizontal	Pass
2	4381.440	47.45	74.0	26.55	Peak	113.00	300	Horizontal	Pass
2**	4381.440	38.11	54.0	15.90	AV	113.00	300	Horizontal	Pass
3	4799.626	49.31	74.0	24.70	Peak	89.00	200	Horizontal	Pass
3**	4799.626	39.61	54.0	14.39	AV	89.00	200	Horizontal	Pass
4	7556.555	45.12	74.0	28.88	Peak	310.00	300	Horizontal	Pass
4**	7556.555	35.67	54.0	18.33	AV	310.00	300	Horizontal	Pass
5	11729.226	46.96	74.0	27.04	Peak	42.00	300	Horizontal	Pass
5**	11729.226	37.76	54.0	16.24	AV	42.00	300	Horizontal	Pass
6	15807.011	50.70	74.0	23.30	Peak	340.00	300	Horizontal	Pass
6**	15807.011	42.47	54.0	11.53	AV	340.00	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	1159.484	48.10	74.0	25.90	Peak	340.00	100	Vertical	Pass
1**	1159.484	32.87	54.0	21.13	AV	340.00	100	Vertical	Pass
2	1336.887	44.98	74.0	29.02	Peak	1.00	100	Vertical	Pass
2**	1336.887	36.83	54.0	17.17	AV	1.00	100	Vertical	Pass
3	4924.130	46.69	74.0	27.31	Peak	360.00	200	Vertical	Pass
3**	4924.130	38.02	54.0	15.98	AV	360.00	200	Vertical	Pass
4	7936.839	51.79	74.0	22.21	Peak	330.00	400	Vertical	Pass
4**	7936.839	42.02	54.0	11.98	AV	330.00	400	Vertical	Pass
5	12494.450	51.45	74.0	22.55	Peak	30.00	300	Vertical	Pass
5**	12494.450	42.19	54.0	11.81	AV	30.00	300	Vertical	Pass
6	17097.477	53.01	74.0	20.99	Peak	285.00	100	Vertical	Pass
6**	17097.477	42.99	54.0	11.01	AV	285.00	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	1489.375	37.25	74.0	36.75	Peak	312.00	200	Horizontal	Pass
1**	1489.375	29.00	54.0	25.00	AV	312.00	200	Horizontal	Pass
2	4376.199	47.78	74.0	26.22	Peak	3.00	400	Horizontal	Pass
2**	4376.199	38.27	54.0	15.73	AV	3.00	400	Horizontal	Pass
3	4795.236	49.47	74.0	24.53	Peak	5.00	200	Horizontal	Pass
3**	4795.236	39.45	54.0	14.55	AV	5.00	200	Horizontal	Pass
4	7555.955	45.31	74.0	28.69	Peak	284.00	200	Horizontal	Pass
4**	7555.955	35.84	54.0	18.16	AV	284.00	200	Horizontal	Pass
5	11734.023	46.83	74.0	27.17	Peak	126.00	400	Horizontal	Pass
5**	11734.023	37.94	54.0	16.06	AV	126.00	400	Horizontal	Pass
6	15802.006	50.93	74.0	23.07	Peak	140.00	100	Horizontal	Pass
6**	15802.006	42.47	54.0	11.53	AV	140.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1164.500	49.74	74.0	24.26	Peak	158.00	400	Vertical	Pass
1**	1164.500	34.72	54.0	19.28	AV	158.00	400	Vertical	Pass
2	1337.132	46.99	74.0	27.01	Peak	343.00	400	Vertical	Pass
2**	1337.132	38.19	54.0	15.81	AV	343.00	400	Vertical	Pass
3	4921.278	48.17	74.0	25.83	Peak	227.00	200	Vertical	Pass
3**	4921.278	39.09	54.0	14.91	AV	227.00	200	Vertical	Pass
4	7932.805	53.20	74.0	20.80	Peak	168.00	300	Vertical	Pass
4**	7932.805	43.52	54.0	10.48	AV	168.00	300	Vertical	Pass
5	12491.739	52.97	74.0	21.03	Peak	122.00	200	Vertical	Pass
5**	12491.739	43.81	54.0	10.19	AV	122.00	200	Vertical	Pass
6	17102.690	54.29	74.0	19.71	Peak	183.00	200	Vertical	Pass
6**	17102.690	44.66	54.0	9.34	AV	183.00	200	Vertical	Pass

11ax20(SU), 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	1486.917	37.04	74.0	36.96	Peak	48.00	100	Horizontal	Pass
1**	1486.917	28.83	54.0	25.17	AV	48.00	100	Horizontal	Pass
2	4380.704	47.46	74.0	26.55	Peak	163.00	300	Horizontal	Pass
2**	4380.704	38.00	54.0	16.00	AV	163.00	300	Horizontal	Pass
3	4801.072	49.26	74.0	24.74	Peak	241.00	200	Horizontal	Pass
3**	4801.072	39.59	54.0	14.41	AV	241.00	200	Horizontal	Pass
4	7554.851	45.09	74.0	28.91	Peak	297.00	400	Horizontal	Pass
4**	7554.851	35.61	54.0	18.39	AV	297.00	400	Horizontal	Pass
5	11735.844	46.76	74.0	27.24	Peak	261.00	200	Horizontal	Pass
5**	11735.844	37.78	54.0	16.22	AV	261.00	200	Horizontal	Pass
6	15807.720	50.62	74.0	23.38	Peak	113.00	400	Horizontal	Pass
6**	15807.720	42.42	54.0	11.58	AV	113.00	400	Horizontal	Pass

11ax20(SU), 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	1164.310	49.18	74.0	24.82	Peak	347.00	100	Vertical	Pass
1**	1164.310	34.15	54.0	19.85	AV	347.00	100	Vertical	Pass
2	1334.648	46.27	74.0	27.73	Peak	306.00	300	Vertical	Pass
2**	1334.648	37.80	54.0	16.20	AV	306.00	300	Vertical	Pass
3	4925.046	48.13	74.0	25.87	Peak	56.00	200	Vertical	Pass
3**	4925.046	39.12	54.0	14.88	AV	56.00	200	Vertical	Pass
4	7932.347	52.78	74.0	21.22	Peak	143.00	300	Vertical	Pass
4**	7932.347	43.19	54.0	10.81	AV	143.00	300	Vertical	Pass
5	12497.842	52.43	74.0	21.57	Peak	236.00	300	Vertical	Pass
5**	12497.842	43.50	54.0	10.50	AV	236.00	300	Vertical	Pass
6	17104.515	53.85	74.0	20.15	Peak	273.00	300	Vertical	Pass
6**	17104.515	43.11	54.0	10.89	AV	273.00	300	Vertical	Pass

11ax20(SU), 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	1489.942	37.23	74.0	36.77	Peak	4.00	300	Horizontal	Pass
1**	1489.942	28.81	54.0	25.19	AV	4.00	300	Horizontal	Pass
2	4375.673	47.57	74.0	26.44	Peak	287.00	100	Horizontal	Pass
2**	4375.673	38.47	54.0	15.54	AV	287.00	100	Horizontal	Pass
3	4800.001	49.42	74.0	24.58	Peak	257.00	200	Horizontal	Pass
3**	4800.001	39.47	54.0	14.53	AV	257.00	200	Horizontal	Pass
4	7558.103	45.29	74.0	28.71	Peak	197.00	200	Horizontal	Pass
4**	7558.103	36.06	54.0	17.94	AV	197.00	200	Horizontal	Pass
5	11732.008	46.86	74.0	27.14	Peak	245.00	400	Horizontal	Pass
5**	11732.008	38.00	54.0	16.01	AV	245.00	400	Horizontal	Pass
6	15806.399	50.84	74.0	23.16	Peak	231.00	400	Horizontal	Pass
6**	15806.399	42.65	54.0	11.35	AV	231.00	400	Horizontal	Pass

11ax20(SU), 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	1160.738	49.42	74.0	24.58	Peak	271.00	400	Vertical	Pass
1**	1160.738	34.78	54.0	19.22	AV	271.00	400	Vertical	Pass
2	1337.561	46.64	74.0	27.36	Peak	122.00	300	Vertical	Pass
2**	1337.561	38.40	54.0	15.60	AV	122.00	300	Vertical	Pass
3	4921.832	48.25	74.0	25.75	Peak	59.00	200	Vertical	Pass
3**	4921.832	39.06	54.0	14.94	AV	59.00	200	Vertical	Pass
4	7934.786	53.44	74.0	20.56	Peak	297.00	200	Vertical	Pass
4**	7934.786	43.50	54.0	10.50	AV	297.00	200	Vertical	Pass
5	12494.120	53.05	74.0	20.95	Peak	98.00	200	Vertical	Pass
5**	12494.120	43.67	54.0	10.33	AV	98.00	200	Vertical	Pass
6	17100.193	54.25	74.0	19.75	Peak	133.00	300	Vertical	Pass
6**	17100.193	43.44	54.0	10.56	AV	133.00	300	Vertical	Pass

11ax20(SU), 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	1485.618	36.95	74.0	37.05	Peak	16.00	200	Horizontal	Pass
1**	1485.618	28.77	54.0	25.23	AV	16.00	200	Horizontal	Pass
2	4382.568	47.66	74.0	26.34	Peak	184.00	300	Horizontal	Pass
2**	4382.568	37.94	54.0	16.06	AV	184.00	300	Horizontal	Pass
3	4799.120	49.34	74.0	24.66	Peak	146.00	200	Horizontal	Pass
3**	4799.120	39.48	54.0	14.52	AV	146.00	200	Horizontal	Pass
4	7554.571	45.15	74.0	28.85	Peak	261.00	100	Horizontal	Pass
4**	7554.571	35.79	54.0	18.21	AV	261.00	100	Horizontal	Pass
5	11734.390	46.81	74.0	27.19	Peak	268.00	400	Horizontal	Pass
5**	11734.390	37.89	54.0	16.11	AV	268.00	400	Horizontal	Pass
6	15807.565	50.71	74.0	23.29	Peak	14.00	400	Horizontal	Pass
6**	15807.565	42.51	54.0	11.49	AV	14.00	400	Horizontal	Pass

11ax20(SU), 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	1164.315	49.43	74.0	24.57	Peak	257.00	300	Vertical	Pass
1**	1164.315	34.51	54.0	19.49	AV	257.00	300	Vertical	Pass
2	1338.314	46.39	74.0	27.61	Peak	312.00	400	Vertical	Pass
2**	1338.314	38.33	54.0	15.67	AV	312.00	400	Vertical	Pass
3	4924.986	48.26	74.0	25.74	Peak	202.00	200	Vertical	Pass
3**	4924.986	39.23	54.0	14.77	AV	202.00	200	Vertical	Pass
4	7934.888	53.20	74.0	20.80	Peak	79.00	200	Vertical	Pass
4**	7934.888	43.16	54.0	10.84	AV	79.00	200	Vertical	Pass
5	12498.721	52.83	74.0	21.18	Peak	59.00	400	Vertical	Pass
5**	12498.721	43.58	54.0	10.42	AV	59.00	400	Vertical	Pass
6	17101.352	54.31	74.0	19.69	Peak	339.00	100	Vertical	Pass
6**	17101.352	43.29	54.0	10.71	AV	339.00	100	Vertical	Pass

11ax40(SU), 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	1488.477	36.89	74.0	37.12	Peak	89.00	100	Horizontal	Pass
1**	1488.477	28.70	54.0	25.30	AV	89.00	100	Horizontal	Pass
2	4374.792	47.33	74.0	26.67	Peak	306.00	400	Horizontal	Pass
2**	4374.792	37.82	54.0	16.18	AV	306.00	400	Horizontal	Pass
3	4799.101	49.16	74.0	24.84	Peak	189.00	200	Horizontal	Pass
3**	4799.101	39.19	54.0	14.81	AV	189.00	200	Horizontal	Pass
4	7557.111	45.09	74.0	28.91	Peak	173.00	300	Horizontal	Pass
4**	7557.111	35.40	54.0	18.60	AV	173.00	300	Horizontal	Pass
5	11733.018	46.77	74.0	27.23	Peak	332.00	300	Horizontal	Pass
5**	11733.018	37.49	54.0	16.51	AV	332.00	300	Horizontal	Pass
6	15804.684	50.57	74.0	23.43	Peak	170.00	100	Horizontal	Pass
6**	15804.684	42.30	54.0	11.70	AV	170.00	100	Horizontal	Pass

11ax40(SU), 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	1157.737	49.26	74.0	24.74	Peak	325.00	400	Vertical	Pass
1**	1157.737	34.22	54.0	19.78	AV	325.00	400	Vertical	Pass
2	1333.449	46.27	74.0	27.73	Peak	165.00	400	Vertical	Pass
2**	1333.449	37.91	54.0	16.09	AV	165.00	400	Vertical	Pass
3	4920.932	48.31	74.0	25.69	Peak	226.00	200	Vertical	Pass
3**	4920.932	39.18	54.0	14.82	AV	226.00	200	Vertical	Pass
4	7930.367	52.88	74.0	21.12	Peak	26.00	300	Vertical	Pass
4**	7930.367	43.19	54.0	10.81	AV	26.00	300	Vertical	Pass
5	12498.018	52.73	74.0	21.27	Peak	226.00	200	Vertical	Pass
5**	12498.018	43.62	54.0	10.38	AV	226.00	200	Vertical	Pass
6	17105.132	54.09	74.0	19.91	Peak	305.00	400	Vertical	Pass
6**	17105.132	43.17	54.0	10.84	AV	305.00	400	Vertical	Pass

11ax40(SU), U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

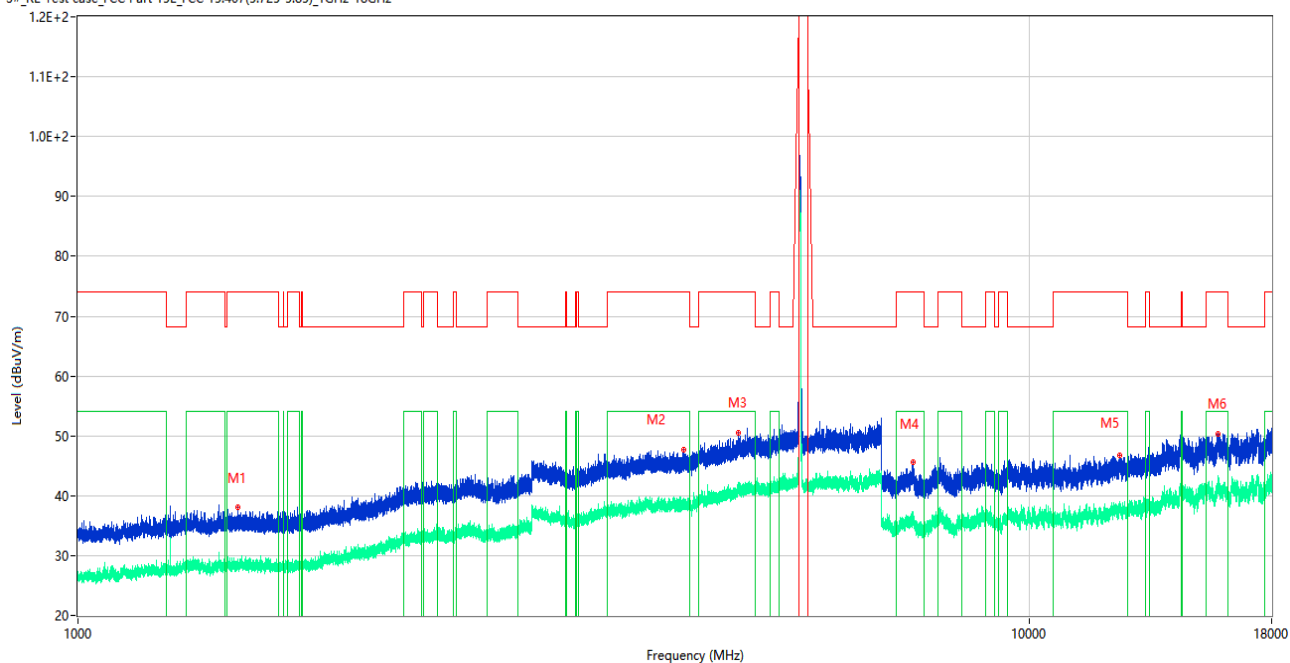
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.372	37.15	74.0	36.85	Peak	340.00	300	Horizontal	Pass
1**	1485.372	28.95	54.0	25.05	AV	340.00	300	Horizontal	Pass
2	4374.611	47.74	74.0	26.27	Peak	40.00	100	Horizontal	Pass
2**	4374.611	38.21	54.0	15.79	AV	40.00	100	Horizontal	Pass
3	4799.518	49.49	74.0	24.51	Peak	195.00	200	Horizontal	Pass
3**	4799.518	39.66	54.0	14.34	AV	195.00	200	Horizontal	Pass
4	7554.307	45.35	74.0	28.65	Peak	285.00	100	Horizontal	Pass
4**	7554.307	36.02	54.0	17.98	AV	285.00	100	Horizontal	Pass
5	11733.784	47.01	74.0	26.99	Peak	287.00	400	Horizontal	Pass
5**	11733.784	38.04	54.0	15.96	AV	287.00	400	Horizontal	Pass
6	15802.551	50.94	74.0	23.06	Peak	212.00	300	Horizontal	Pass
6**	15802.551	42.61	54.0	11.39	AV	212.00	300	Horizontal	Pass

11ax40(SU), 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	1165.294	49.27	74.0	24.73	Peak	123.00	300	Vertical	Pass
1**	1165.294	34.61	54.0	19.39	AV	123.00	300	Vertical	Pass
2	1334.200	46.59	74.0	27.42	Peak	181.00	300	Vertical	Pass
2**	1334.200	38.37	54.0	15.63	AV	181.00	300	Vertical	Pass
3	4927.639	48.25	74.0	25.75	Peak	297.00	200	Vertical	Pass
3**	4927.639	39.17	54.0	14.83	AV	297.00	200	Vertical	Pass
4	7930.321	53.19	74.0	20.81	Peak	132.00	100	Vertical	Pass
4**	7930.321	43.66	54.0	10.34	AV	132.00	100	Vertical	Pass
5	12491.543	53.07	74.0	20.93	Peak	180.00	200	Vertical	Pass
5**	12491.543	43.82	54.0	10.18	AV	180.00	200	Vertical	Pass
6	17099.615	54.33	74.0	19.67	Peak	83.00	100	Vertical	Pass
6**	17099.615	44.28	54.0	9.72	AV	83.00	100	Vertical	Pass

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

3# RE Test case_FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1473.483	38.23	74.0	35.77	Peak	307.00	200	Horizontal	Pass
1**	1473.483	28.63	54.0	25.37	AV	307.00	200	Horizontal	Pass
2	4334.804	47.82	74.0	26.18	Peak	182.00	400	Horizontal	Pass
2**	4334.804	38.58	54.0	15.42	AV	182.00	400	Horizontal	Pass
3	4949.351	50.50	74.0	23.50	Peak	197.00	200	Horizontal	Pass
3**	4949.351	41.19	54.0	12.81	AV	197.00	200	Horizontal	Pass
4	7551.426	45.59	74.0	28.41	Peak	320.00	200	Horizontal	Pass
4**	7551.426	37.44	54.0	16.56	AV	320.00	200	Horizontal	Pass
5	12458.064	46.88	74.0	27.12	Peak	247.00	100	Horizontal	Pass
5**	12458.064	38.33	54.0	15.67	AV	247.00	100	Horizontal	Pass
6	15797.601	50.53	74.0	23.47	Peak	89.00	100	Horizontal	Pass
6**	15797.601	44.39	54.0	9.61	AV	89.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1160.098	50.53	74.0	23.47	Peak	186.00	100	Vertical	Pass
1**	1160.098	31.96	54.0	22.04	AV	186.00	100	Vertical	Pass
2	1332.506	49.10	74.0	24.90	Peak	55.00	300	Vertical	Pass
2**	1332.506	35.95	54.0	18.05	AV	55.00	300	Vertical	Pass
3	4930.374	50.14	74.0	23.86	Peak	170.00	200	Vertical	Pass
3**	4930.374	38.13	54.0	15.87	AV	170.00	200	Vertical	Pass
4	7938.852	49.94	74.0	24.06	Peak	208.00	300	Vertical	Pass
4**	7938.852	40.99	54.0	13.01	AV	208.00	300	Vertical	Pass
5	12493.694	55.29	74.0	18.71	Peak	246.00	200	Vertical	Pass
5**	12493.694	43.65	54.0	10.35	AV	246.00	200	Vertical	Pass
6	17099.552	56.30	74.0	17.70	Peak	64.00	100	Vertical	Pass
6**	17099.552	43.91	54.0	10.09	AV	64.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1471.214	37.96	74.0	36.04	Peak	13.00	100	Horizontal	Pass
1**	1471.214	28.50	54.0	25.50	AV	13.00	100	Horizontal	Pass
2	4337.610	47.54	74.0	26.46	Peak	274.00	300	Horizontal	Pass
2**	4337.610	38.46	54.0	15.54	AV	274.00	300	Horizontal	Pass
3	4952.350	50.22	74.0	23.78	Peak	338.00	200	Horizontal	Pass
3**	4952.350	41.15	54.0	12.85	AV	338.00	200	Horizontal	Pass
4	7549.866	45.34	74.0	28.66	Peak	153.00	400	Horizontal	Pass
4**	7549.866	37.18	54.0	16.82	AV	153.00	400	Horizontal	Pass
5	12452.773	46.58	74.0	27.42	Peak	325.00	400	Horizontal	Pass
5**	12452.773	38.25	54.0	15.75	AV	325.00	400	Horizontal	Pass
6	15797.794	50.52	74.0	23.48	Peak	41.00	200	Horizontal	Pass
6**	15797.794	41.77	54.0	12.23	AV	41.00	200	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	1160.729	50.32	74.0	23.68	Peak	298.00	200	Vertical	Pass
1**	1160.729	31.81	54.0	22.19	AV	298.00	200	Vertical	Pass
2	1331.884	49.08	74.0	24.92	Peak	183.00	400	Vertical	Pass
2**	1331.884	35.89	54.0	18.11	AV	183.00	400	Vertical	Pass
3	4928.089	49.87	74.0	24.13	Peak	94.00	200	Vertical	Pass
3**	4928.089	37.90	54.0	16.10	AV	94.00	200	Vertical	Pass
4	7941.128	49.94	74.0	24.06	Peak	160.00	300	Vertical	Pass
4**	7941.128	40.88	54.0	13.12	AV	160.00	300	Vertical	Pass
5	12493.790	55.26	74.0	18.74	Peak	306.00	200	Vertical	Pass
5**	12493.790	43.49	54.0	10.51	AV	306.00	200	Vertical	Pass
6	17101.752	56.02	74.0	17.98	Peak	260.00	300	Vertical	Pass
6**	17101.752	43.81	54.0	10.19	AV	260.00	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	1473.925	37.73	74.0	36.27	Peak	307.00	300	Horizontal	Pass
1**	1473.925	28.28	54.0	25.72	AV	307.00	300	Horizontal	Pass
2	4339.993	47.35	74.0	26.65	Peak	169.00	100	Horizontal	Pass
2**	4339.993	38.22	54.0	15.78	AV	169.00	100	Horizontal	Pass
3	4956.082	50.16	74.0	23.84	Peak	306.00	200	Horizontal	Pass
3**	4956.082	40.99	54.0	13.01	AV	306.00	200	Horizontal	Pass
4	7551.689	45.10	74.0	28.90	Peak	5.00	100	Horizontal	Pass
4**	7551.689	37.00	54.0	17.00	AV	5.00	100	Horizontal	Pass
5	12454.804	46.29	74.0	27.71	Peak	352.00	300	Horizontal	Pass
5**	12454.804	38.13	54.0	15.87	AV	352.00	300	Horizontal	Pass
6	15796.156	50.39	74.0	23.61	Peak	90.00	200	Horizontal	Pass
6**	15796.156	41.64	54.0	12.36	AV	90.00	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	1160.656	50.18	74.0	23.82	Peak	271.00	100	Vertical	Pass
1**	1160.656	31.62	54.0	22.38	AV	271.00	100	Vertical	Pass
2	1330.528	48.99	74.0	25.01	Peak	258.00	400	Vertical	Pass
2**	1330.528	35.61	54.0	18.39	AV	258.00	400	Vertical	Pass
3	4926.681	49.85	74.0	24.15	Peak	205.00	200	Vertical	Pass
3**	4926.681	37.64	54.0	16.36	AV	205.00	200	Vertical	Pass
4	7939.042	49.90	74.0	24.10	Peak	226.00	100	Vertical	Pass
4**	7939.042	40.70	54.0	13.30	AV	226.00	100	Vertical	Pass
5	12490.812	55.21	74.0	18.79	Peak	89.00	300	Vertical	Pass
5**	12490.812	43.41	54.0	10.59	AV	89.00	300	Vertical	Pass
6	17102.249	55.86	74.0	18.14	Peak	208.00	200	Vertical	Pass
6**	17102.249	43.68	54.0	10.32	AV	208.00	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	1475.704	37.59	74.0	36.41	Peak	173.00	200	Horizontal	Pass
1**	1475.704	28.21	54.0	25.79	AV	173.00	200	Horizontal	Pass
2	4336.710	47.11	74.0	26.89	Peak	279.00	400	Horizontal	Pass
2**	4336.710	38.20	54.0	15.81	AV	279.00	400	Horizontal	Pass
3	4950.368	50.12	74.0	23.89	Peak	283.00	200	Horizontal	Pass
3**	4950.368	40.93	54.0	13.07	AV	283.00	200	Horizontal	Pass
4	7553.703	45.09	74.0	28.91	Peak	79.00	400	Horizontal	Pass
4**	7553.703	36.96	54.0	17.04	AV	79.00	400	Horizontal	Pass
5	12455.105	46.18	74.0	27.82	Peak	112.00	200	Horizontal	Pass
5**	12455.105	37.96	54.0	16.04	AV	112.00	200	Horizontal	Pass
6	15795.417	50.22	74.0	23.78	Peak	291.00	200	Horizontal	Pass
6**	15795.417	41.47	54.0	12.53	AV	291.00	200	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	1156.836	50.02	74.0	23.98	Peak	193.00	300	Vertical	Pass
1**	1156.836	31.32	54.0	22.68	AV	193.00	300	Vertical	Pass
2	1337.941	48.79	74.0	25.22	Peak	128.00	300	Vertical	Pass
2**	1337.941	35.57	54.0	18.43	AV	128.00	300	Vertical	Pass
3	4930.428	49.80	74.0	24.20	Peak	247.00	200	Vertical	Pass
3**	4930.428	37.50	54.0	16.51	AV	247.00	200	Vertical	Pass
4	7938.441	49.84	74.0	24.17	Peak	147.00	200	Vertical	Pass
4**	7938.441	40.44	54.0	13.56	AV	147.00	200	Vertical	Pass
5	12491.756	54.97	74.0	19.03	Peak	357.00	300	Vertical	Pass
5**	12491.756	43.17	54.0	10.83	AV	357.00	300	Vertical	Pass
6	17103.513	55.79	74.0	18.21	Peak	72.00	400	Vertical	Pass
6**	17103.513	43.58	54.0	10.42	AV	72.00	400	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	1474.016	37.42	74.0	36.58	Peak	229.00	300	Horizontal	Pass
1**	1474.016	27.96	54.0	26.04	AV	229.00	300	Horizontal	Pass
2	4336.487	46.97	74.0	27.03	Peak	79.00	200	Horizontal	Pass
2**	4336.487	38.12	54.0	15.89	AV	79.00	200	Horizontal	Pass
3	4949.059	49.93	74.0	24.07	Peak	177.00	200	Horizontal	Pass
3**	4949.059	40.76	54.0	13.24	AV	177.00	200	Horizontal	Pass
4	7547.937	45.06	74.0	28.94	Peak	117.00	200	Horizontal	Pass
4**	7547.937	36.76	54.0	17.24	AV	117.00	200	Horizontal	Pass
5	12454.804	45.92	74.0	28.08	Peak	156.00	400	Horizontal	Pass
5**	12454.804	37.89	54.0	16.11	AV	156.00	400	Horizontal	Pass
6	15790.973	50.11	74.0	23.89	Peak	287.00	400	Horizontal	Pass
6**	15790.973	41.36	54.0	12.64	AV	287.00	400	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	1161.091	49.85	74.0	24.16	Peak	21.00	400	Vertical	Pass
1**	1161.091	31.20	54.0	22.80	AV	21.00	400	Vertical	Pass
2	1338.229	48.73	74.0	25.27	Peak	157.00	300	Vertical	Pass
2**	1338.229	35.55	54.0	18.45	AV	157.00	300	Vertical	Pass
3	4930.045	49.80	74.0	24.20	Peak	218.00	200	Vertical	Pass
3**	4930.045	37.43	54.0	16.57	AV	218.00	200	Vertical	Pass
4	7940.195	49.55	74.0	24.46	Peak	91.00	200	Vertical	Pass
4**	7940.195	40.38	54.0	13.62	AV	91.00	200	Vertical	Pass
5	12492.241	54.88	74.0	19.12	Peak	191.00	200	Vertical	Pass
5**	12492.241	42.93	54.0	11.08	AV	191.00	200	Vertical	Pass
6	17100.213	55.69	74.0	18.31	Peak	171.00	400	Vertical	Pass
6**	17100.213	43.56	54.0	10.44	AV	171.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1476.656	37.34	74.0	36.66	Peak	21.00	400	Horizontal	Pass
1**	1476.656	27.70	54.0	26.30	AV	21.00	400	Horizontal	Pass
2	4336.755	46.92	74.0	27.08	Peak	310.00	200	Horizontal	Pass
2**	4336.755	37.86	54.0	16.14	AV	310.00	200	Horizontal	Pass
3	4955.303	49.68	74.0	24.32	Peak	173.00	200	Horizontal	Pass
3**	4955.303	40.60	54.0	13.40	AV	173.00	200	Horizontal	Pass
4	7546.778	44.81	74.0	29.19	Peak	318.00	300	Horizontal	Pass
4**	7546.778	36.54	54.0	17.46	AV	318.00	300	Horizontal	Pass
5	12454.999	45.70	74.0	28.30	Peak	112.00	300	Horizontal	Pass
5**	12454.999	37.69	54.0	16.31	AV	112.00	300	Horizontal	Pass
6	15795.570	49.90	74.0	24.10	Peak	189.00	200	Horizontal	Pass
6**	15795.570	41.11	54.0	12.89	AV	189.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1156.778	49.56	74.0	24.44	Peak	136.00	400	Vertical	Pass
1**	1156.778	30.96	54.0	23.05	AV	136.00	400	Vertical	Pass
2	1332.185	48.70	74.0	25.30	Peak	59.00	400	Vertical	Pass
2**	1332.185	35.33	54.0	18.67	AV	59.00	400	Vertical	Pass
3	4932.123	49.64	74.0	24.36	Peak	52.00	200	Vertical	Pass
3**	4932.123	37.21	54.0	16.79	AV	52.00	200	Vertical	Pass
4	7938.127	49.25	74.0	24.75	Peak	189.00	200	Vertical	Pass
4**	7938.127	40.11	54.0	13.89	AV	189.00	200	Vertical	Pass
5	12496.810	54.74	74.0	19.26	Peak	86.00	200	Vertical	Pass
5**	12496.810	42.90	54.0	11.10	AV	86.00	200	Vertical	Pass
6	17105.061	55.44	74.0	18.56	Peak	21.00	200	Vertical	Pass
6**	17105.061	43.32	54.0	10.68	AV	21.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1477.746	37.14	74.0	36.86	Peak	327.00	400	Horizontal	Pass
1**	1477.746	27.51	54.0	26.49	AV	327.00	400	Horizontal	Pass
2	4335.240	46.85	74.0	27.15	Peak	22.00	200	Horizontal	Pass
2**	4335.240	37.70	54.0	16.30	AV	22.00	200	Horizontal	Pass
3	4951.849	49.46	74.0	24.54	Peak	169.00	200	Horizontal	Pass
3**	4951.849	40.51	54.0	13.49	AV	169.00	200	Horizontal	Pass
4	7552.339	44.63	74.0	29.37	Peak	257.00	100	Horizontal	Pass
4**	7552.339	36.50	54.0	17.50	AV	257.00	100	Horizontal	Pass
5	12458.526	45.66	74.0	28.34	Peak	227.00	400	Horizontal	Pass
5**	12458.526	37.48	54.0	16.52	AV	227.00	400	Horizontal	Pass
6	15793.725	49.88	74.0	24.12	Peak	315.00	400	Horizontal	Pass
6**	15793.725	41.08	54.0	12.93	AV	315.00	400	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	1161.307	49.26	74.0	24.74	Peak	49.00	400	Vertical	Pass
1**	1161.307	30.94	54.0	23.06	AV	49.00	400	Vertical	Pass
2	1333.928	48.52	74.0	25.48	Peak	216.00	100	Vertical	Pass
2**	1333.928	35.15	54.0	18.85	AV	216.00	100	Vertical	Pass
3	4928.148	49.49	74.0	24.51	Peak	303.00	200	Vertical	Pass
3**	4928.148	37.16	54.0	16.84	AV	303.00	200	Vertical	Pass
4	7935.892	49.02	74.0	24.98	Peak	182.00	200	Vertical	Pass
4**	7935.892	39.85	54.0	14.15	AV	182.00	200	Vertical	Pass
5	12492.462	54.63	74.0	19.37	Peak	215.00	200	Vertical	Pass
5**	12492.462	42.71	54.0	11.29	AV	215.00	200	Vertical	Pass
6	17100.368	55.17	74.0	18.83	Peak	355.00	400	Vertical	Pass
6**	17100.368	43.09	54.0	10.91	AV	355.00	400	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	1470.493	38.11	74.0	35.89	Peak	245.00	200	Horizontal	Pass
1**	1470.493	28.44	54.0	25.56	AV	245.00	200	Horizontal	Pass
2	4335.833	47.56	74.0	26.44	Peak	47.00	200	Horizontal	Pass
2**	4335.833	38.39	54.0	15.61	AV	47.00	200	Horizontal	Pass
3	4952.732	50.33	74.0	23.67	Peak	187.00	200	Horizontal	Pass
3**	4952.732	41.12	54.0	12.88	AV	187.00	200	Horizontal	Pass
4	7553.096	45.52	74.0	28.48	Peak	226.00	400	Horizontal	Pass
4**	7553.096	37.22	54.0	16.78	AV	226.00	400	Horizontal	Pass
5	12456.908	46.84	74.0	27.17	Peak	228.00	300	Horizontal	Pass
5**	12456.908	38.25	54.0	15.75	AV	228.00	300	Horizontal	Pass
6	15797.804	50.36	74.0	23.65	Peak	135.00	300	Horizontal	Pass
6**	15797.804	41.59	54.0	12.41	AV	135.00	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	1162.006	50.35	74.0	23.65	Peak	118.00	300	Vertical	Pass
1**	1162.006	31.70	54.0	22.31	AV	118.00	300	Vertical	Pass
2	1333.762	48.94	74.0	25.06	Peak	219.00	400	Vertical	Pass
2**	1333.762	35.76	54.0	18.24	AV	219.00	400	Vertical	Pass
3	4929.411	50.13	74.0	23.87	Peak	177.00	200	Vertical	Pass
3**	4929.411	38.08	54.0	15.92	AV	177.00	200	Vertical	Pass
4	7938.594	49.94	74.0	24.07	Peak	287.00	200	Vertical	Pass
4**	7938.594	40.71	54.0	13.29	AV	287.00	200	Vertical	Pass
5	12492.786	55.05	74.0	18.95	Peak	262.00	200	Vertical	Pass
5**	12492.786	43.49	54.0	10.51	AV	262.00	200	Vertical	Pass
6	17101.956	56.07	74.0	17.93	Peak	17.00	400	Vertical	Pass
6**	17101.956	43.84	54.0	10.16	AV	17.00	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	1474.207	37.84	74.0	36.16	Peak	243.00	200	Horizontal	Pass
1**	1474.207	28.21	54.0	25.79	AV	243.00	200	Horizontal	Pass
2	4333.785	47.35	74.0	26.65	Peak	10.00	200	Horizontal	Pass
2**	4333.785	38.44	54.0	15.57	AV	10.00	200	Horizontal	Pass
3	4955.839	49.98	74.0	24.02	Peak	216.00	200	Horizontal	Pass
3**	4955.839	41.08	54.0	12.92	AV	216.00	200	Horizontal	Pass
4	7552.875	45.05	74.0	28.95	Peak	10.00	300	Horizontal	Pass
4**	7552.875	37.08	54.0	16.92	AV	10.00	300	Horizontal	Pass
5	12457.217	46.43	74.0	27.57	Peak	133.00	400	Horizontal	Pass
5**	12457.217	38.23	54.0	15.77	AV	133.00	400	Horizontal	Pass
6	15794.446	50.22	74.0	23.78	Peak	267.00	200	Horizontal	Pass
6**	15794.446	41.69	54.0	12.31	AV	267.00	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	1158.869	50.11	74.0	23.89	Peak	191.00	400	Vertical	Pass
1**	1158.869	31.66	54.0	22.34	AV	191.00	400	Vertical	Pass
2	1335.308	48.91	74.0	25.09	Peak	260.00	400	Vertical	Pass
2**	1335.308	35.73	54.0	18.27	AV	260.00	400	Vertical	Pass
3	4933.060	49.64	74.0	24.36	Peak	338.00	200	Vertical	Pass
3**	4933.060	37.82	54.0	16.18	AV	338.00	200	Vertical	Pass
4	7934.539	49.90	74.0	24.10	Peak	254.00	100	Vertical	Pass
4**	7934.539	40.67	54.0	13.33	AV	254.00	100	Vertical	Pass
5	12496.501	55.00	74.0	19.00	Peak	206.00	400	Vertical	Pass
5**	12496.501	43.37	54.0	10.63	AV	206.00	400	Vertical	Pass
6	17101.219	55.84	74.0	18.16	Peak	189.00	200	Vertical	Pass
6**	17101.219	43.71	54.0	10.29	AV	189.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1471.228	37.65	74.0	36.35	Peak	119.00	200	Horizontal	Pass
1**	1471.228	28.22	54.0	25.78	AV	119.00	200	Horizontal	Pass
2	4340.057	47.21	74.0	26.79	Peak	9.00	400	Horizontal	Pass
2**	4340.057	37.96	54.0	16.05	AV	9.00	400	Horizontal	Pass
3	4951.405	50.07	74.0	23.93	Peak	282.00	200	Horizontal	Pass
3**	4951.405	40.79	54.0	13.22	AV	282.00	200	Horizontal	Pass
4	7553.453	45.00	74.0	29.00	Peak	187.00	300	Horizontal	Pass
4**	7553.453	36.95	54.0	17.05	AV	187.00	300	Horizontal	Pass
5	12452.781	46.18	74.0	27.83	Peak	219.00	200	Horizontal	Pass
5**	12452.781	37.86	54.0	16.14	AV	219.00	200	Horizontal	Pass
6	15791.690	50.20	74.0	23.80	Peak	302.00	200	Horizontal	Pass
6**	15791.690	41.39	54.0	12.61	AV	302.00	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	1160.084	49.93	74.0	24.07	Peak	348.00	400	Vertical	Pass
1**	1160.084	31.35	54.0	22.65	AV	348.00	400	Vertical	Pass
2	1334.864	48.98	74.0	25.03	Peak	332.00	200	Vertical	Pass
2**	1334.864	35.37	54.0	18.64	AV	332.00	200	Vertical	Pass
3	4929.857	49.74	74.0	24.26	Peak	278.00	200	Vertical	Pass
3**	4929.857	37.35	54.0	16.65	AV	278.00	200	Vertical	Pass
4	7942.391	49.63	74.0	24.37	Peak	355.00	100	Vertical	Pass
4**	7942.391	40.48	54.0	13.52	AV	355.00	100	Vertical	Pass
5	12496.677	54.94	74.0	19.06	Peak	64.00	200	Vertical	Pass
5**	12496.677	43.29	54.0	10.71	AV	64.00	200	Vertical	Pass
6	17100.207	55.62	74.0	18.38	Peak	88.00	200	Vertical	Pass
6**	17100.207	43.51	54.0	10.49	AV	88.00	200	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	1475.694	37.37	74.0	36.63	Peak	198.00	400	Horizontal	Pass
1**	1475.694	28.00	54.0	26.00	AV	198.00	400	Horizontal	Pass
2	4334.506	47.06	74.0	26.94	Peak	199.00	400	Horizontal	Pass
2**	4334.506	38.01	54.0	15.99	AV	199.00	400	Horizontal	Pass
3	4956.374	49.89	74.0	24.11	Peak	26.00	200	Horizontal	Pass
3**	4956.374	40.84	54.0	13.17	AV	26.00	200	Horizontal	Pass
4	7551.823	44.93	74.0	29.07	Peak	110.00	300	Horizontal	Pass
4**	7551.823	36.79	54.0	17.21	AV	110.00	300	Horizontal	Pass
5	12454.904	45.95	74.0	28.05	Peak	111.00	400	Horizontal	Pass
5**	12454.904	37.71	54.0	16.29	AV	111.00	400	Horizontal	Pass
6	15791.113	50.18	74.0	23.82	Peak	83.00	400	Horizontal	Pass
6**	15791.113	41.28	54.0	12.72	AV	83.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1158.801	49.96	74.0	24.04	Peak	323.00	200	Vertical	Pass
1**	1158.801	31.20	54.0	22.80	AV	323.00	200	Vertical	Pass
2	1337.902	48.51	74.0	25.49	Peak	228.00	400	Vertical	Pass
2**	1337.902	35.41	54.0	18.60	AV	228.00	400	Vertical	Pass
3	4933.123	49.73	74.0	24.27	Peak	103.00	200	Vertical	Pass
3**	4933.123	37.26	54.0	16.74	AV	103.00	200	Vertical	Pass
4	7939.738	49.70	74.0	24.30	Peak	54.00	100	Vertical	Pass
4**	7939.738	40.43	54.0	13.57	AV	54.00	100	Vertical	Pass
5	12492.922	54.87	74.0	19.13	Peak	143.00	400	Vertical	Pass
5**	12492.922	43.07	54.0	10.93	AV	143.00	400	Vertical	Pass
6	17104.949	55.63	74.0	18.38	Peak	274.00	200	Vertical	Pass
6**	17104.949	43.49	54.0	10.51	AV	274.00	200	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	1476.978	37.34	74.0	36.66	Peak	93.00	100	Horizontal	Pass
1**	1476.978	27.93	54.0	26.07	AV	93.00	100	Horizontal	Pass
2	4333.270	46.92	74.0	27.08	Peak	196.00	200	Horizontal	Pass
2**	4333.270	38.03	54.0	15.97	AV	196.00	200	Horizontal	Pass
3	4952.559	49.92	74.0	24.08	Peak	86.00	200	Horizontal	Pass
3**	4952.559	40.57	54.0	13.43	AV	86.00	200	Horizontal	Pass
4	7552.230	44.90	74.0	29.10	Peak	352.00	400	Horizontal	Pass
4**	7552.230	36.49	54.0	17.51	AV	352.00	400	Horizontal	Pass
5	12455.904	45.66	74.0	28.34	Peak	137.00	100	Horizontal	Pass
5**	12455.904	37.77	54.0	16.24	AV	137.00	100	Horizontal	Pass
6	15797.774	50.09	74.0	23.91	Peak	158.00	400	Horizontal	Pass
6**	15797.774	41.21	54.0	12.79	AV	158.00	400	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	1156.598	49.84	74.0	24.16	Peak	349.00	200	Vertical	Pass
1**	1156.598	31.02	54.0	22.98	AV	349.00	200	Vertical	Pass
2	1338.364	48.61	74.0	25.39	Peak	11.00	200	Vertical	Pass
2**	1338.364	35.51	54.0	18.49	AV	11.00	200	Vertical	Pass
3	4931.248	49.70	74.0	24.30	Peak	183.00	200	Vertical	Pass
3**	4931.248	37.37	54.0	16.63	AV	183.00	200	Vertical	Pass
4	7939.308	49.25	74.0	24.75	Peak	275.00	300	Vertical	Pass
4**	7939.308	40.24	54.0	13.76	AV	275.00	300	Vertical	Pass
5	12495.523	54.75	74.0	19.25	Peak	325.00	200	Vertical	Pass
5**	12495.523	42.87	54.0	11.13	AV	325.00	200	Vertical	Pass
6	17099.556	55.56	74.0	18.44	Peak	98.00	100	Vertical	Pass
6**	17099.556	43.47	54.0	10.53	AV	98.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1471.402	37.33	74.0	36.67	Peak	230.00	100	Horizontal	Pass
1**	1471.402	27.59	54.0	26.41	AV	230.00	100	Horizontal	Pass
2	4333.716	46.71	74.0	27.30	Peak	331.00	300	Horizontal	Pass
2**	4333.716	37.78	54.0	16.22	AV	331.00	300	Horizontal	Pass
3	4950.816	49.40	74.0	24.61	Peak	174.00	200	Horizontal	Pass
3**	4950.816	40.54	54.0	13.46	AV	174.00	200	Horizontal	Pass
4	7549.573	44.70	74.0	29.30	Peak	329.00	400	Horizontal	Pass
4**	7549.573	36.30	54.0	17.70	AV	329.00	400	Horizontal	Pass
5	12456.711	45.41	74.0	28.59	Peak	34.00	400	Horizontal	Pass
5**	12456.711	37.43	54.0	16.58	AV	34.00	400	Horizontal	Pass
6	15793.740	49.72	74.0	24.28	Peak	339.00	100	Horizontal	Pass
6**	15793.740	40.95	54.0	13.05	AV	339.00	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	1161.796	49.42	74.0	24.58	Peak	312.00	200	Vertical	Pass
1**	1161.796	30.77	54.0	23.23	AV	312.00	200	Vertical	Pass
2	1331.939	48.49	74.0	25.51	Peak	190.00	200	Vertical	Pass
2**	1331.939	35.07	54.0	18.93	AV	190.00	200	Vertical	Pass
3	4925.975	49.63	74.0	24.37	Peak	240.00	200	Vertical	Pass
3**	4925.975	37.04	54.0	16.96	AV	240.00	200	Vertical	Pass
4	7939.016	49.17	74.0	24.83	Peak	136.00	300	Vertical	Pass
4**	7939.016	39.99	54.0	14.01	AV	136.00	300	Vertical	Pass
5	12493.214	54.66	74.0	19.34	Peak	21.00	100	Vertical	Pass
5**	12493.214	42.83	54.0	11.17	AV	21.00	100	Vertical	Pass
6	17101.395	55.40	74.0	18.60	Peak	152.00	100	Vertical	Pass
6**	17101.395	43.30	54.0	10.70	AV	152.00	100	Vertical	Pass

11ax20(SU), 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	1471.120	38.05	74.0	35.95	Peak	188.00	200	Horizontal	Pass
1**	1471.120	28.46	54.0	25.54	AV	188.00	200	Horizontal	Pass
2	4334.620	47.64	74.0	26.36	Peak	70.00	300	Horizontal	Pass
2**	4334.620	38.37	54.0	15.64	AV	70.00	300	Horizontal	Pass
3	4956.799	50.35	74.0	23.65	Peak	28.00	200	Horizontal	Pass
3**	4956.799	40.92	54.0	13.08	AV	28.00	200	Horizontal	Pass
4	7552.462	45.40	74.0	28.60	Peak	210.00	300	Horizontal	Pass
4**	7552.462	37.19	54.0	16.81	AV	210.00	300	Horizontal	Pass
5	12454.616	46.64	74.0	27.36	Peak	304.00	100	Horizontal	Pass
5**	12454.616	38.32	54.0	15.68	AV	304.00	100	Horizontal	Pass
6	15795.567	50.36	74.0	23.64	Peak	324.00	300	Horizontal	Pass
6**	15795.567	41.61	54.0	12.39	AV	324.00	300	Horizontal	Pass

11ax20(SU), 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	1156.792	50.34	74.0	23.66	Peak	250.00	200	Vertical	Pass
1**	1156.792	31.91	54.0	22.09	AV	250.00	200	Vertical	Pass
2	1331.686	48.88	74.0	25.12	Peak	344.00	300	Vertical	Pass
2**	1331.686	35.82	54.0	18.18	AV	344.00	300	Vertical	Pass
3	4932.164	49.99	74.0	24.01	Peak	73.00	200	Vertical	Pass
3**	4932.164	38.05	54.0	15.95	AV	73.00	200	Vertical	Pass
4	7941.400	49.70	74.0	24.30	Peak	297.00	300	Vertical	Pass
4**	7941.400	40.77	54.0	13.23	AV	297.00	300	Vertical	Pass
5	12490.348	55.07	74.0	18.93	Peak	5.00	400	Vertical	Pass
5**	12490.348	43.50	54.0	10.51	AV	5.00	400	Vertical	Pass
6	17098.709	56.20	74.0	17.80	Peak	140.00	400	Vertical	Pass
6**	17098.709	43.86	54.0	10.14	AV	140.00	400	Vertical	Pass

11ax20(SU), 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	1477.129	37.87	74.0	36.13	Peak	263.00	100	Horizontal	Pass
1**	1477.129	28.30	54.0	25.70	AV	263.00	100	Horizontal	Pass
2	4337.918	47.42	74.0	26.58	Peak	228.00	400	Horizontal	Pass
2**	4337.918	38.31	54.0	15.69	AV	228.00	400	Horizontal	Pass
3	4950.393	50.14	74.0	23.86	Peak	260.00	200	Horizontal	Pass
3**	4950.393	41.00	54.0	13.00	AV	260.00	200	Horizontal	Pass
4	7553.139	45.33	74.0	28.67	Peak	226.00	100	Horizontal	Pass
4**	7553.139	37.04	54.0	16.97	AV	226.00	100	Horizontal	Pass
5	12455.554	46.38	74.0	27.62	Peak	322.00	300	Horizontal	Pass
5**	12455.554	38.02	54.0	15.98	AV	322.00	300	Horizontal	Pass
6	15795.404	50.25	74.0	23.75	Peak	89.00	300	Horizontal	Pass
6**	15795.404	41.68	54.0	12.32	AV	89.00	300	Horizontal	Pass

11ax20(SU), 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	1155.650	50.20	74.0	23.80	Peak	259.00	400	Vertical	Pass
1**	1155.650	31.64	54.0	22.36	AV	259.00	400	Vertical	Pass
2	1332.773	48.93	74.0	25.07	Peak	81.00	200	Vertical	Pass
2**	1332.773	35.82	54.0	18.18	AV	81.00	200	Vertical	Pass
3	4929.985	49.66	74.0	24.34	Peak	195.00	200	Vertical	Pass
3**	4929.985	37.88	54.0	16.12	AV	195.00	200	Vertical	Pass
4	7934.539	49.71	74.0	24.30	Peak	320.00	100	Vertical	Pass
4**	7934.539	40.60	54.0	13.40	AV	320.00	100	Vertical	Pass
5	12497.314	55.23	74.0	18.77	Peak	76.00	300	Vertical	Pass
5**	12497.314	43.23	54.0	10.77	AV	76.00	300	Vertical	Pass
6	17098.318	55.77	74.0	18.23	Peak	255.00	100	Vertical	Pass
6**	17098.318	43.80	54.0	10.20	AV	255.00	100	Vertical	Pass

11ax20(SU), 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	1474.828	37.52	74.0	36.48	Peak	169.00	300	Horizontal	Pass
1**	1474.828	28.06	54.0	25.94	AV	169.00	300	Horizontal	Pass
2	4335.306	47.20	74.0	26.80	Peak	151.00	300	Horizontal	Pass
2**	4335.306	37.95	54.0	16.05	AV	151.00	300	Horizontal	Pass
3	4954.870	50.14	74.0	23.86	Peak	111.00	200	Horizontal	Pass
3**	4954.870	40.95	54.0	13.05	AV	111.00	200	Horizontal	Pass
4	7551.796	44.93	74.0	29.07	Peak	330.00	400	Horizontal	Pass
4**	7551.796	36.82	54.0	17.18	AV	330.00	400	Horizontal	Pass
5	12459.639	46.23	74.0	27.77	Peak	259.00	100	Horizontal	Pass
5**	12459.639	37.89	54.0	16.11	AV	259.00	100	Horizontal	Pass
6	15790.806	50.20	74.0	23.80	Peak	16.00	400	Horizontal	Pass
6**	15790.806	41.35	54.0	12.65	AV	16.00	400	Horizontal	Pass

11ax20(SU), 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	1160.284	50.12	74.0	23.89	Peak	360.00	100	Vertical	Pass
1**	1160.284	31.46	54.0	22.54	AV	360.00	100	Vertical	Pass
2	1337.242	48.88	74.0	25.12	Peak	288.00	100	Vertical	Pass
2**	1337.242	35.56	54.0	18.44	AV	288.00	100	Vertical	Pass
3	4925.798	49.82	74.0	24.18	Peak	259.00	200	Vertical	Pass
3**	4925.798	37.60	54.0	16.40	AV	259.00	200	Vertical	Pass
4	7941.366	49.64	74.0	24.36	Peak	31.00	200	Vertical	Pass
4**	7941.366	40.54	54.0	13.46	AV	31.00	200	Vertical	Pass
5	12496.688	55.00	74.0	19.00	Peak	145.00	200	Vertical	Pass
5**	12496.688	43.16	54.0	10.84	AV	145.00	200	Vertical	Pass
6	17102.437	55.58	74.0	18.42	Peak	353.00	100	Vertical	Pass
6**	17102.437	43.58	54.0	10.42	AV	353.00	100	Vertical	Pass

11ax40(SU), 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	1472.926	37.41	74.0	36.60	Peak	250.00	200	Horizontal	Pass
1**	1472.926	27.97	54.0	26.03	AV	250.00	200	Horizontal	Pass
2	4335.387	46.97	74.0	27.03	Peak	265.00	200	Horizontal	Pass
2**	4335.387	37.92	54.0	16.08	AV	265.00	200	Horizontal	Pass
3	4950.234	50.08	74.0	23.92	Peak	44.00	200	Horizontal	Pass
3**	4950.234	40.86	54.0	13.14	AV	44.00	200	Horizontal	Pass
4	7550.759	44.97	74.0	29.03	Peak	52.00	400	Horizontal	Pass
4**	7550.759	36.66	54.0	17.34	AV	52.00	400	Horizontal	Pass
5	12459.773	45.94	74.0	28.06	Peak	104.00	200	Horizontal	Pass
5**	12459.773	37.81	54.0	16.19	AV	104.00	200	Horizontal	Pass
6	15796.840	50.09	74.0	23.91	Peak	46.00	100	Horizontal	Pass
6**	15796.840	41.22	54.0	12.78	AV	46.00	100	Horizontal	Pass

11ax40(SU), 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	1162.800	49.85	74.0	24.15	Peak	238.00	100	Vertical	Pass
1**	1162.800	31.21	54.0	22.79	AV	238.00	100	Vertical	Pass
2	1335.364	48.60	74.0	25.40	Peak	298.00	200	Vertical	Pass
2**	1335.364	35.47	54.0	18.53	AV	298.00	200	Vertical	Pass
3	4926.517	49.65	74.0	24.35	Peak	16.00	200	Vertical	Pass
3**	4926.517	37.43	54.0	16.57	AV	16.00	200	Vertical	Pass
4	7941.576	49.81	74.0	24.19	Peak	228.00	100	Vertical	Pass
4**	7941.576	40.29	54.0	13.71	AV	228.00	100	Vertical	Pass
5	12491.986	54.77	74.0	19.23	Peak	51.00	400	Vertical	Pass
5**	12491.986	42.95	54.0	11.05	AV	51.00	400	Vertical	Pass
6	17101.763	55.51	74.0	18.49	Peak	56.00	100	Vertical	Pass
6**	17101.763	43.33	54.0	10.67	AV	56.00	100	Vertical	Pass

11ax40(SU), 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	1471.804	37.18	74.0	36.82	Peak	195.00	100	Horizontal	Pass
1**	1471.804	27.67	54.0	26.33	AV	195.00	100	Horizontal	Pass
2	4337.777	46.96	74.0	27.04	Peak	9.00	200	Horizontal	Pass
2**	4337.777	37.88	54.0	16.12	AV	9.00	200	Horizontal	Pass
3	4951.734	49.90	74.0	24.10	Peak	23.00	200	Horizontal	Pass
3**	4951.734	40.47	54.0	13.53	AV	23.00	200	Horizontal	Pass
4	7550.108	44.88	74.0	29.12	Peak	49.00	200	Horizontal	Pass
4**	7550.108	36.51	54.0	17.49	AV	49.00	200	Horizontal	Pass
5	12454.303	45.62	74.0	28.38	Peak	35.00	200	Horizontal	Pass
5**	12454.303	37.88	54.0	16.12	AV	35.00	200	Horizontal	Pass
6	15797.635	50.04	74.0	23.96	Peak	41.00	200	Horizontal	Pass
6**	15797.635	41.29	54.0	12.71	AV	41.00	200	Horizontal	Pass

11ax40(SU), 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	1162.531	49.82	74.0	24.18	Peak	289.00	300	Vertical	Pass
1**	1162.531	31.14	54.0	22.87	AV	289.00	300	Vertical	Pass
2	1334.094	48.64	74.0	25.36	Peak	114.00	400	Vertical	Pass
2**	1334.094	35.55	54.0	18.45	AV	114.00	400	Vertical	Pass
3	4930.916	49.56	74.0	24.44	Peak	126.00	200	Vertical	Pass
3**	4930.916	37.18	54.0	16.82	AV	126.00	200	Vertical	Pass
4	7939.628	49.50	74.0	24.50	Peak	23.00	200	Vertical	Pass
4**	7939.628	40.30	54.0	13.70	AV	23.00	200	Vertical	Pass
5	12497.249	54.61	74.0	19.39	Peak	273.00	100	Vertical	Pass
5**	12497.249	42.87	54.0	11.13	AV	273.00	100	Vertical	Pass
6	17099.574	55.48	74.0	18.53	Peak	243.00	100	Vertical	Pass
6**	17099.574	43.41	54.0	10.59	AV	243.00	100	Vertical	Pass

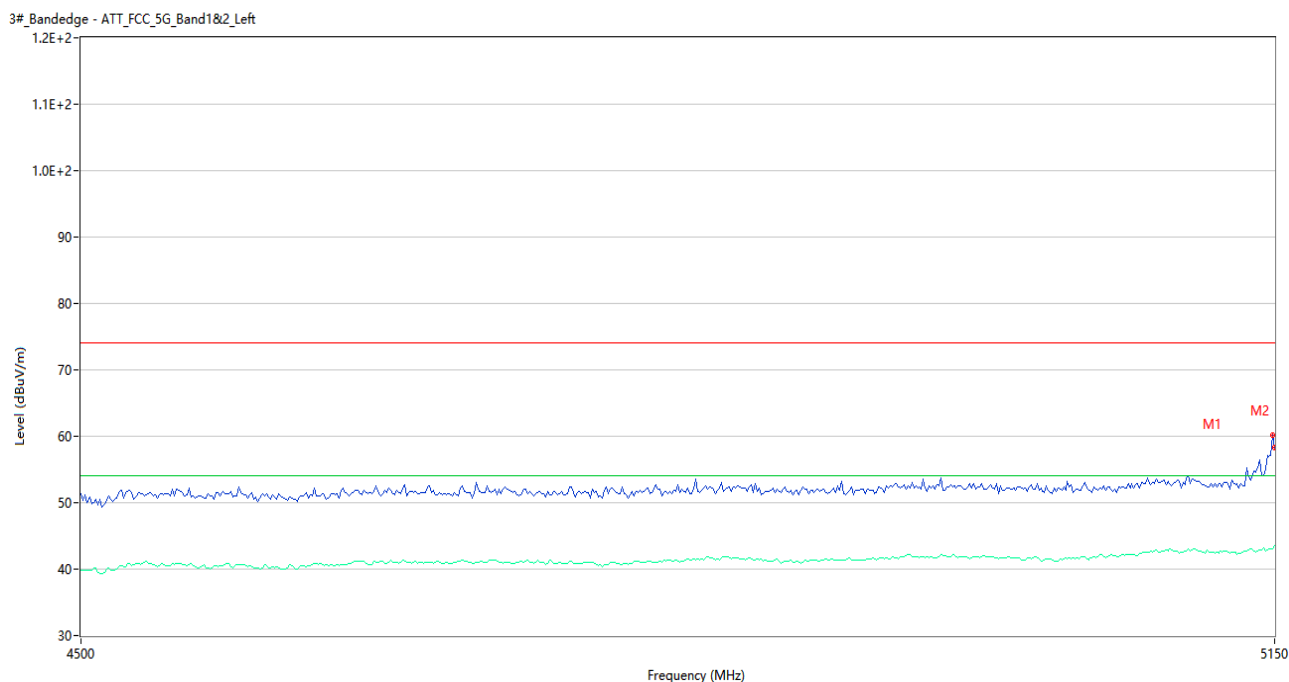
A.6.2 Band Edge (Restricted-band)

Test Band	Mode	Channel	Verdict
U-NII-1	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ax(HE20)(SU)	Low	Pass
		High	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
	802.11ax(HE20)(SU)	Low	Pass
		High	Pass
	802.11ax(HE40)(SU)	Low	Pass
		High	Pass

Note: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

Test Data and Plots

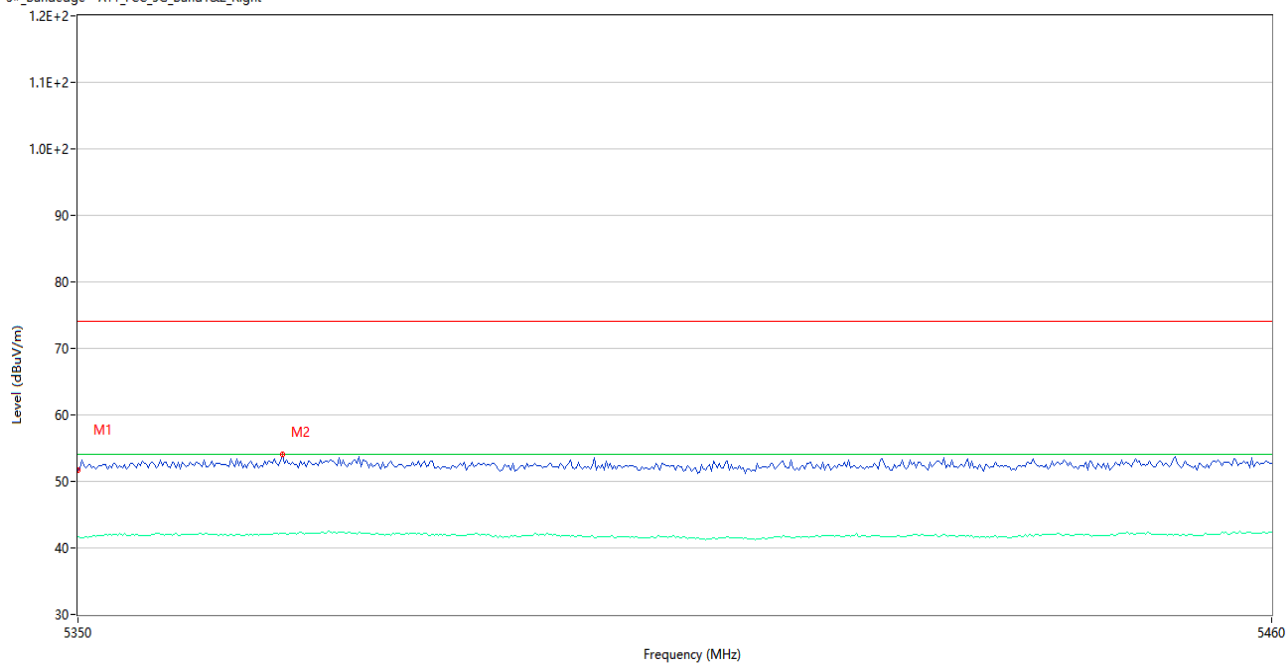
U-NII-1 11a Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5148.450	59.35	74.0	14.65	Peak	326.00	100	Horizontal	Pass
1**	5148.450	42.62	54.0	11.38	AV	326.00	100	Horizontal	Pass
2	5150.000	57.50	74.0	16.50	Peak	197.00	200	Horizontal	Pass
2**	5150.000	44.94	54.0	9.06	AV	197.00	200	Horizontal	Pass

U-NII-1 11a High Channel

3#_Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.98	74.0	18.02	Peak	174.00	100	Horizontal	Pass
1**	5350.000	44.96	54.0	9.04	AV	174.00	100	Horizontal	Pass
2	5396.398	56.25	74.0	17.75	Peak	204.00	100	Horizontal	Pass
2**	5396.398	43.84	54.0	10.16	AV	204.00	100	Horizontal	Pass

U-NII-1 11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5148.276	59.88	74.0	14.12	Peak	156.00	300	Horizontal	Pass
1**	5148.276	42.80	54.0	11.20	AV	156.00	300	Horizontal	Pass
2	5150.000	57.91	74.0	16.09	Peak	332.00	200	Horizontal	Pass
2**	5150.000	43.02	54.0	10.98	AV	332.00	200	Horizontal	Pass

U-NII-1 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.25	74.0	17.75	Peak	18.00	100	Horizontal	Pass
1**	5350.000	44.54	54.0	9.46	AV	18.00	100	Horizontal	Pass
2	5397.087	56.80	74.0	17.20	Peak	109.00	300	Horizontal	Pass
2**	5397.087	44.59	54.0	9.41	AV	109.00	300	Horizontal	Pass

U-NII-1 11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5147.371	61.76	74.0	12.24	Peak	13.00	300	Horizontal	Pass
1**	5147.371	44.27	54.0	9.73	AV	13.00	300	Horizontal	Pass
2	5150.000	59.89	74.0	14.11	Peak	20.00	200	Horizontal	Pass
2**	5150.000	44.36	54.0	9.64	AV	20.00	200	Horizontal	Pass

U-NII-1 11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.50	74.0	18.50	Peak	269.00	100	Horizontal	Pass
1**	5350.000	44.59	54.0	9.41	AV	269.00	100	Horizontal	Pass
2	5397.801	56.12	74.0	17.88	Peak	127.00	200	Horizontal	Pass
2**	5397.801	43.98	54.0	10.02	AV	127.00	200	Horizontal	Pass

U-NII-1 11ac20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5146.013	61.45	74.0	12.55	Peak	341.00	200	Horizontal	Pass
1**	5146.013	44.38	54.0	9.62	AV	341.00	200	Horizontal	Pass
2	5150.000	59.71	74.0	14.29	Peak	344.00	200	Horizontal	Pass
2**	5150.000	44.22	54.0	9.78	AV	344.00	200	Horizontal	Pass

U-NII-1 11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.47	74.0	18.53	Peak	162.00	300	Horizontal	Pass
1**	5350.000	44.06	54.0	9.94	AV	162.00	300	Horizontal	Pass
2	5396.068	56.88	74.0	17.12	Peak	26.00	300	Horizontal	Pass
2**	5396.068	44.06	54.0	9.94	AV	26.00	300	Horizontal	Pass

U-NII-1 11ac40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5147.401	61.50	74.0	12.50	Peak	210.00	100	Horizontal	Pass
1**	5147.401	44.39	54.0	9.61	AV	210.00	100	Horizontal	Pass
2	5150.000	59.42	74.0	14.58	Peak	114.00	100	Horizontal	Pass
2**	5150.000	44.62	54.0	9.38	AV	114.00	100	Horizontal	Pass

U-NII-1 11ac40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.41	74.0	18.59	Peak	74.00	100	Horizontal	Pass
1**	5350.000	44.48	54.0	9.52	AV	74.00	100	Horizontal	Pass
2	5396.348	56.78	74.0	17.22	Peak	314.00	100	Horizontal	Pass
2**	5396.348	44.17	54.0	9.83	AV	314.00	100	Horizontal	Pass

U-NII-1 11ax20(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5139.053	60.25	74.0	13.75	Peak	151.00	100	Horizontal	Pass
1**	5139.053	44.43	54.0	9.57	AV	151.00	100	Horizontal	Pass
2	5150.000	59.06	74.0	14.94	Peak	158.00	300	Horizontal	Pass
2**	5150.000	44.08	54.0	9.92	AV	158.00	300	Horizontal	Pass

U-NII-1 11ax20(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.52	74.0	18.48	Peak	146.00	300	Horizontal	Pass
1**	5350.000	44.31	54.0	9.69	AV	146.00	300	Horizontal	Pass
2	5396.490	56.86	74.0	17.14	Peak	152.00	300	Horizontal	Pass
2**	5396.490	44.56	54.0	9.44	AV	152.00	300	Horizontal	Pass

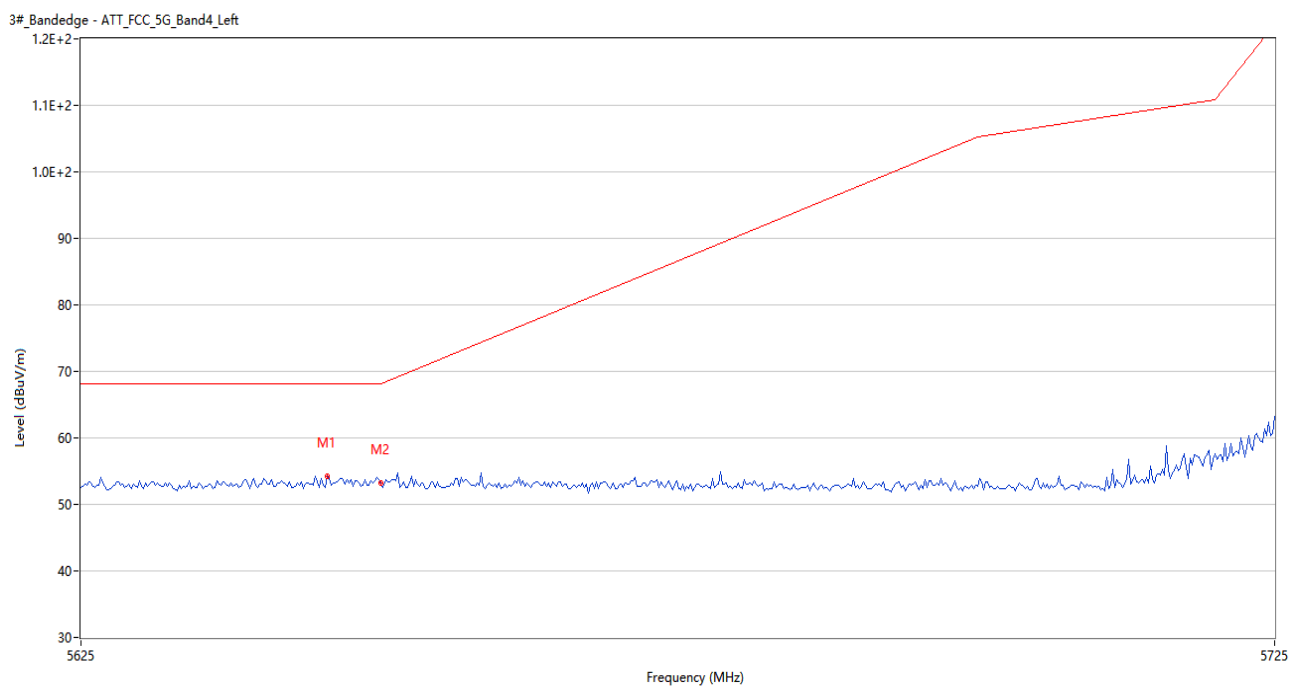
U-NII-1 11ax40(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5139.773	60.92	74.0	13.08	Peak	178.00	200	Horizontal	Pass
1**	5139.773	44.31	54.0	9.69	AV	178.00	200	Horizontal	Pass
2	5150.000	58.46	74.0	15.54	Peak	252.00	300	Horizontal	Pass
2**	5150.000	44.81	54.0	9.19	AV	252.00	300	Horizontal	Pass

U-NII-1 11ax40(SU) High Channel

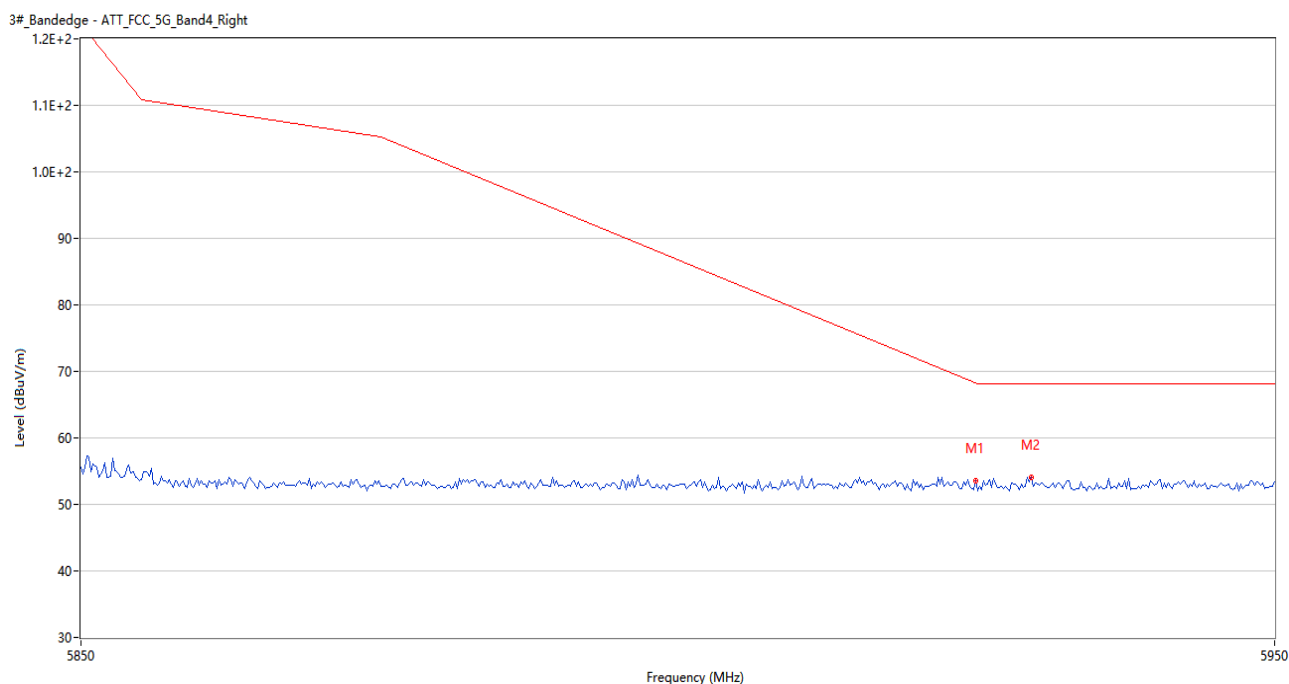
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.55	74.0	18.45	Peak	346.00	200	Horizontal	Pass
1**	5350.000	44.27	54.0	9.73	AV	346.00	200	Horizontal	Pass
2	5396.148	56.97	74.0	17.03	Peak	87.00	300	Horizontal	Pass
2**	5396.148	43.96	54.0	10.04	AV	87.00	300	Horizontal	Pass

U-NII-3 11a Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5643.432	55.20	68.2	13.00	Peak	330.00	300	Horizontal	Pass
2	5650.000	53.09	68.2	15.11	Peak	330.00	300	Horizontal	Pass

U-NII-3 11a High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	55.10	68.2	13.11	Peak	71.00	300	Horizontal	Pass
2	5943.283	57.56	68.2	10.64	Peak	301.00	100	Horizontal	Pass

U-NII-3 11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5642.303	57.20	68.2	11.00	Peak	121.00	100	Horizontal	Pass
2	5650.000	55.35	68.2	12.85	Peak	121.00	100	Horizontal	Pass

U-NII-3 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	55.17	68.2	13.03	Peak	155.00	200	Horizontal	Pass
2	5945.496	57.34	68.2	10.86	Peak	295.00	300	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	5639.563	57.21	68.2	10.99	Peak	204.00	200	Horizontal	Pass
2	5650.000	55.07	68.2	13.13	Peak	204.00	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	5925.000	55.09	68.2	13.11	Peak	90.00	200	Horizontal	Pass
2	5947.334	57.05	68.2	11.15	Peak	93.00	100	Horizontal	Pass

U-NII-3 11ac20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5636.846	57.03	68.2	11.17	Peak	90.00	200	Horizontal	Pass
2	5650.000	54.90	68.2	13.30	Peak	90.00	200	Horizontal	Pass

U-NII-3 11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	54.85	68.2	13.35	Peak	237.00	200	Horizontal	Pass
2	5949.550	56.91	68.2	11.29	Peak	267.00	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	5635.202	57.12	68.2	11.08	Peak	328.00	200	Horizontal	Pass
2	5650.000	54.86	68.2	13.34	Peak	328.00	200	Horizontal	Pass

U-NII-3 11ac40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	54.71	68.2	13.49	Peak	118.00	100	Horizontal	Pass
2	5950.243	56.89	68.2	11.31	Peak	287.00	200	Horizontal	Pass

U-NII-3 11ax20(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5632.363	56.92	68.2	11.28	Peak	222.00	300	Horizontal	Pass
2	5650.000	54.35	68.2	13.85	Peak	222.00	300	Horizontal	Pass

U-NII-3 11ax20(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	54.03	68.2	14.17	Peak	318.00	100	Horizontal	Pass
2	5951.058	55.81	68.2	12.40	Peak	187.00	200	Horizontal	Pass

U-NII-3 11ax40(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5629.496	56.65	68.2	11.55	Peak	176.00	100	Horizontal	Pass
2	5650.000	54.42	68.2	13.78	Peak	176.00	100	Horizontal	Pass

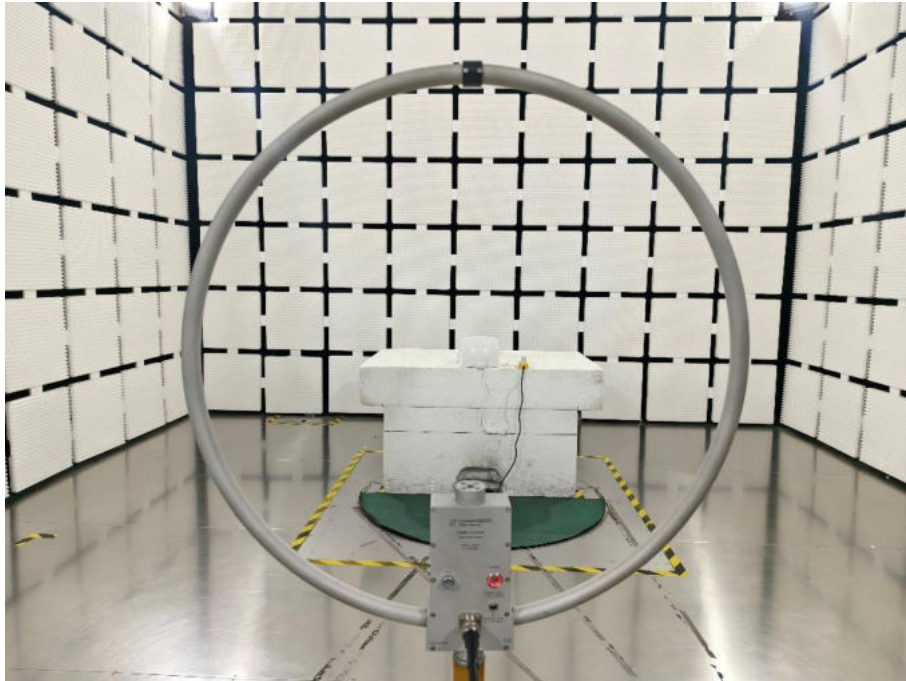
U-NII-3 11ax40(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	52.81	68.2	15.39	Peak	27.00	200	Horizontal	Pass
2	5951.453	53.21	68.2	15.00	Peak	193.00	300	Horizontal	Pass

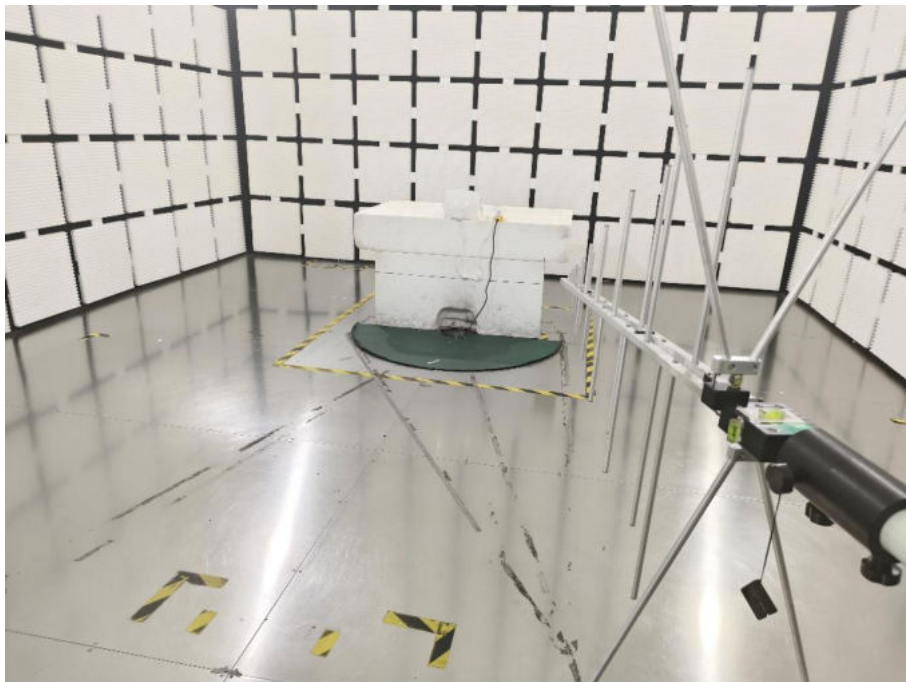
ANNEX B TEST SETUP PHOTOS

1 Radiated Test Photo

Below 30MHz



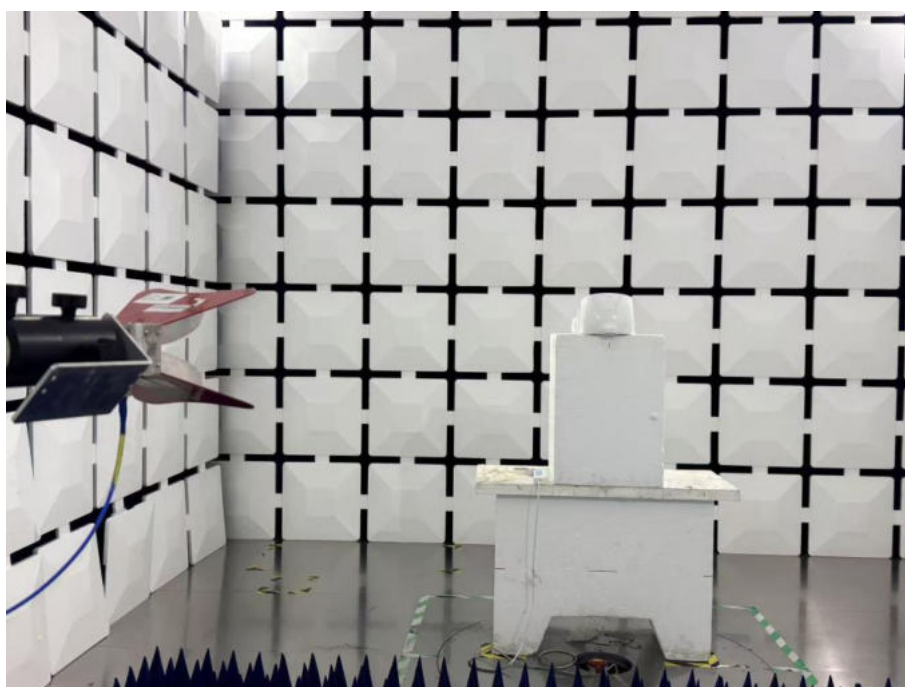
30MHz-1GHz



Close-up



Above 1GHz



Close-up



2 Conducted Test Photo

Conducted Test-BT/WIFI



3 Conducted Emissions

Test Photo 1

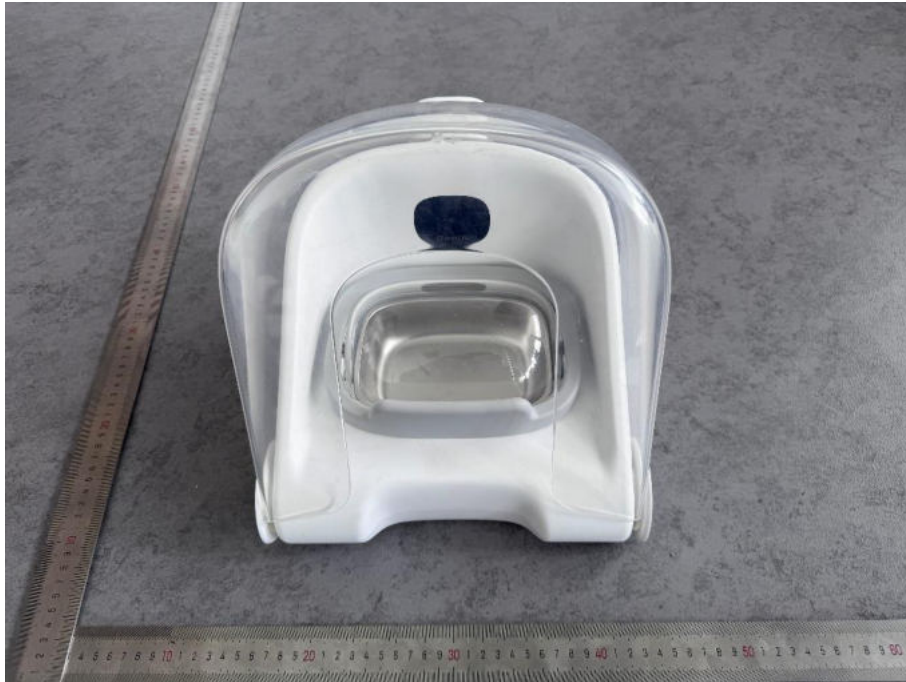


Test Photo 2



ANNEX C EUT EXTERNAL PHOTOS

FRONT VIEW OF EUT



REAR VIEW OF EUT



LEFT VIEW OF EUT



RIGHT VIEW OF EUT



TOP VIEW OF EUT



BOTTOM VIEW OF EUT



CLOSE-UP



Accessory-Adapter

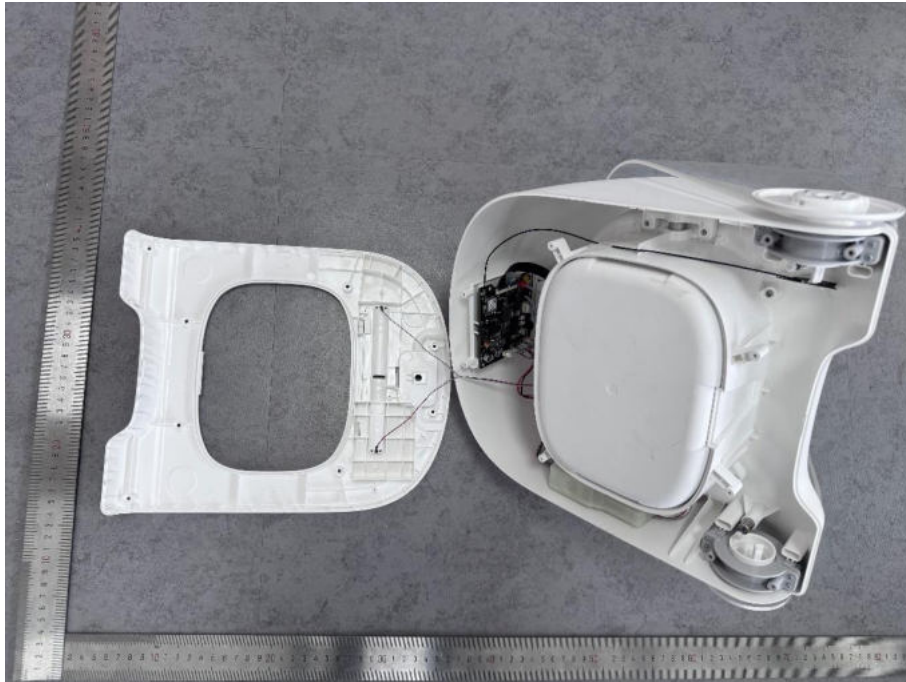


CLOSE-UP

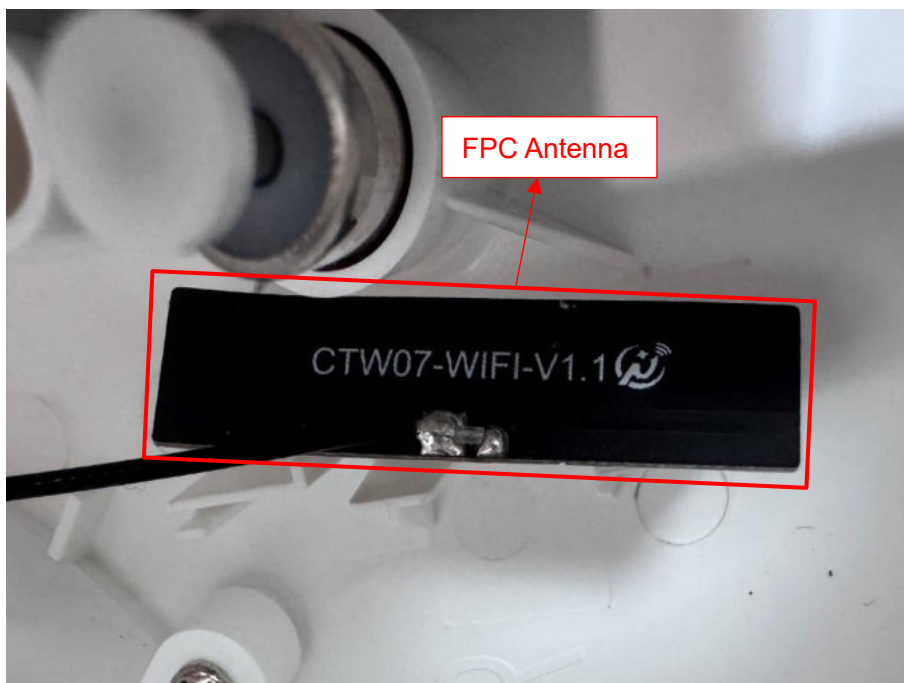


ANNEX D EUT INTERNAL PHOTOS

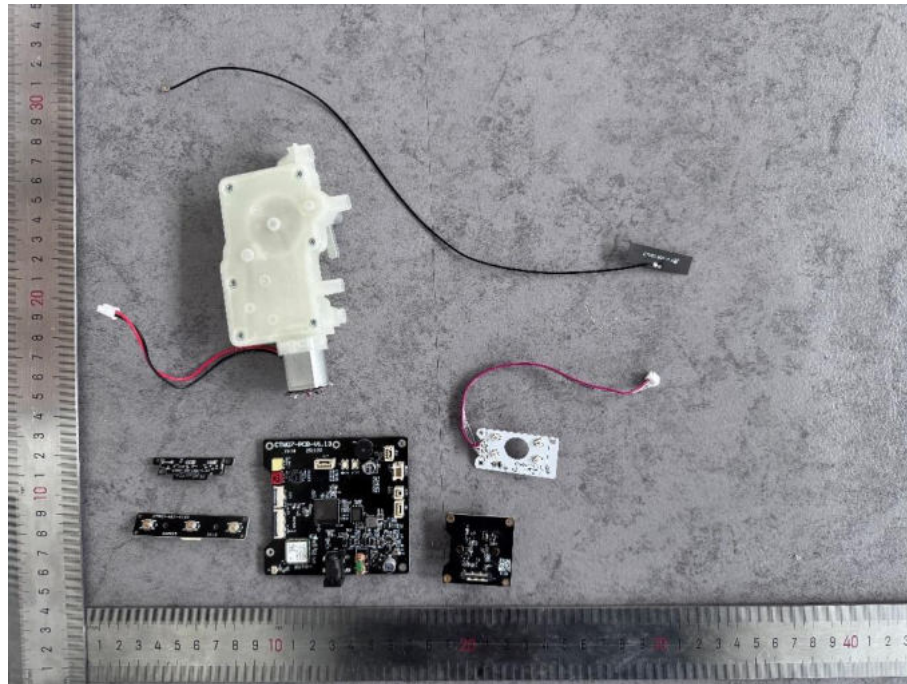
EUT UNCOVER VIEW 1



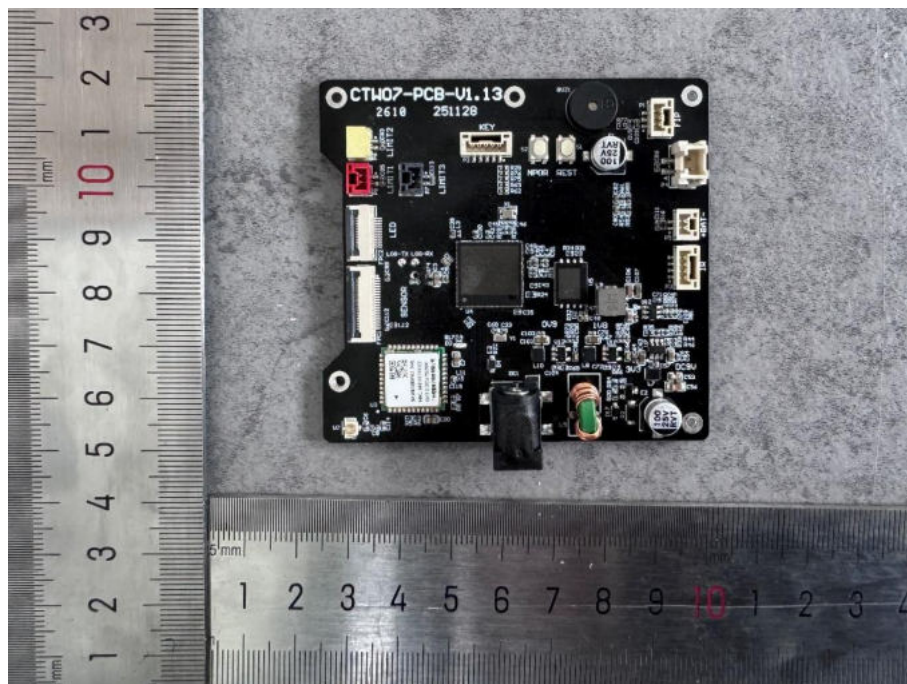
CLOSE-UP



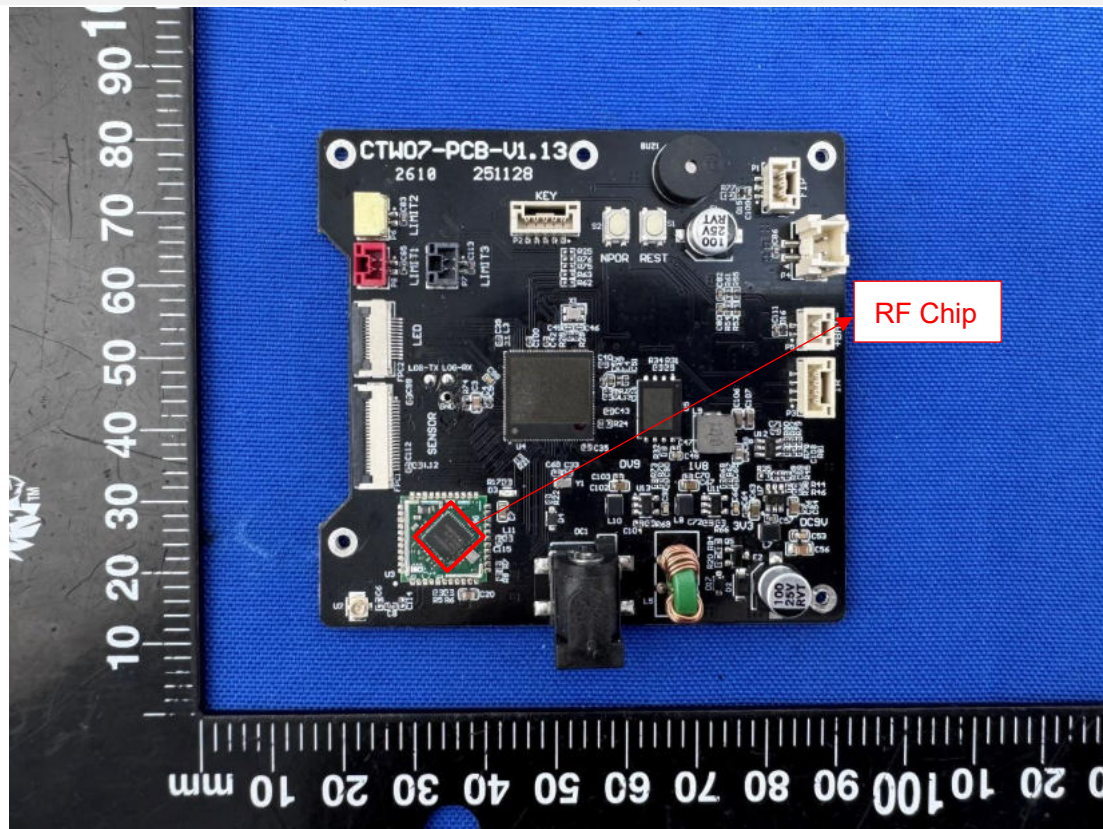
EUT UNCOVER VIEW 2



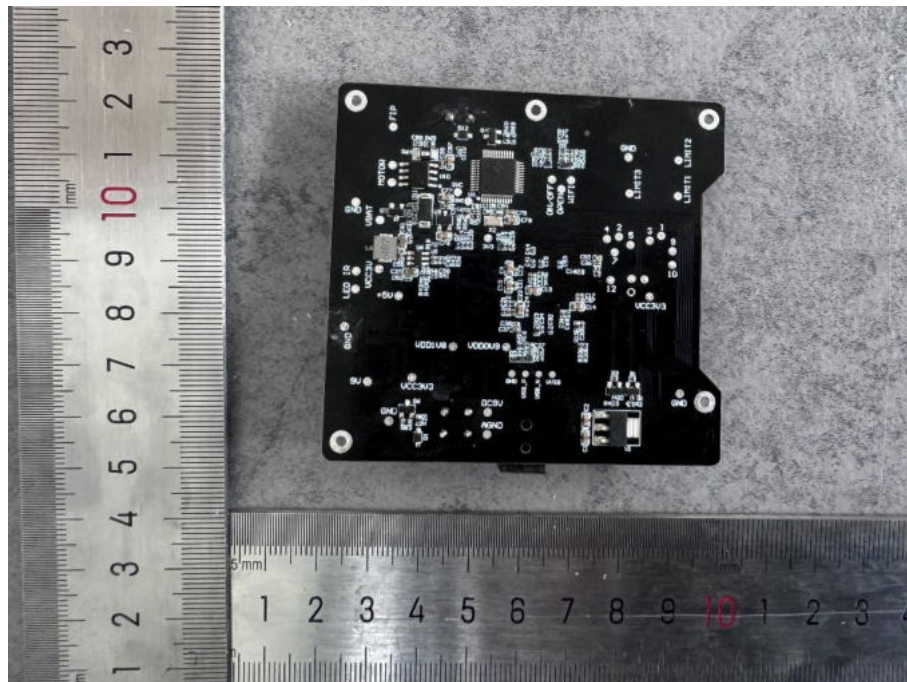
MAIN BOARD TOP VIEW (WITH SHIELDING)



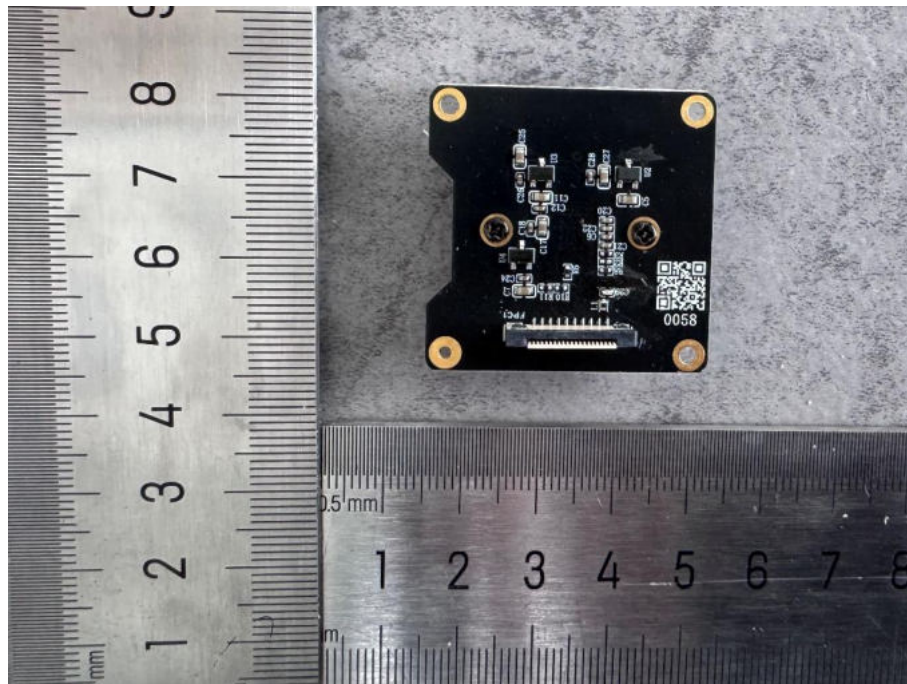
MAIN BOARD TOP VIEW (WITHOUT SHIELDING)



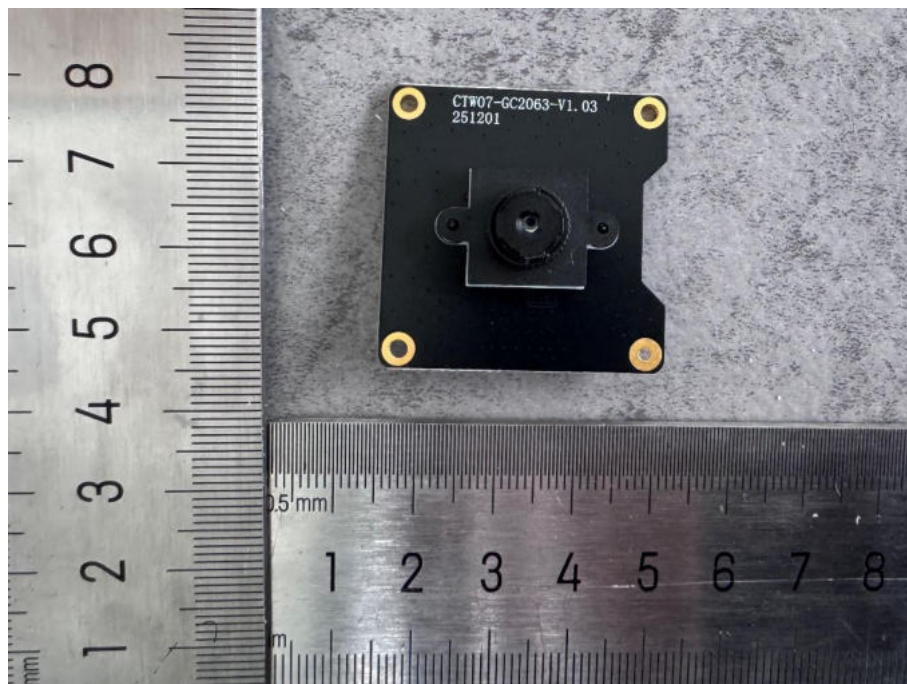
MAIN BOARD REAR VIEW (WITHOUT SHIELDING)



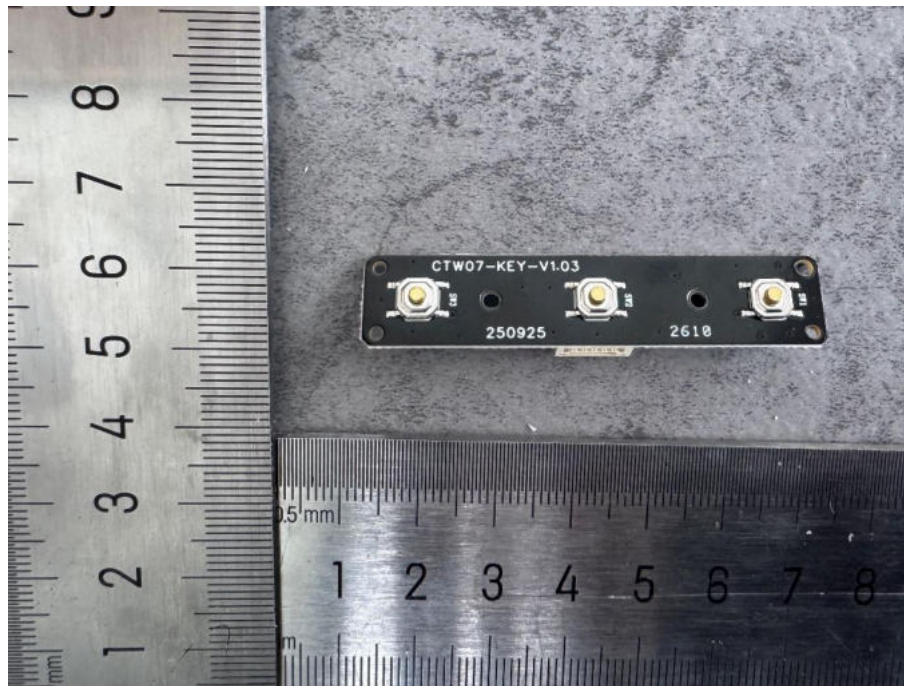
MAIN BOARD TOP VIEW



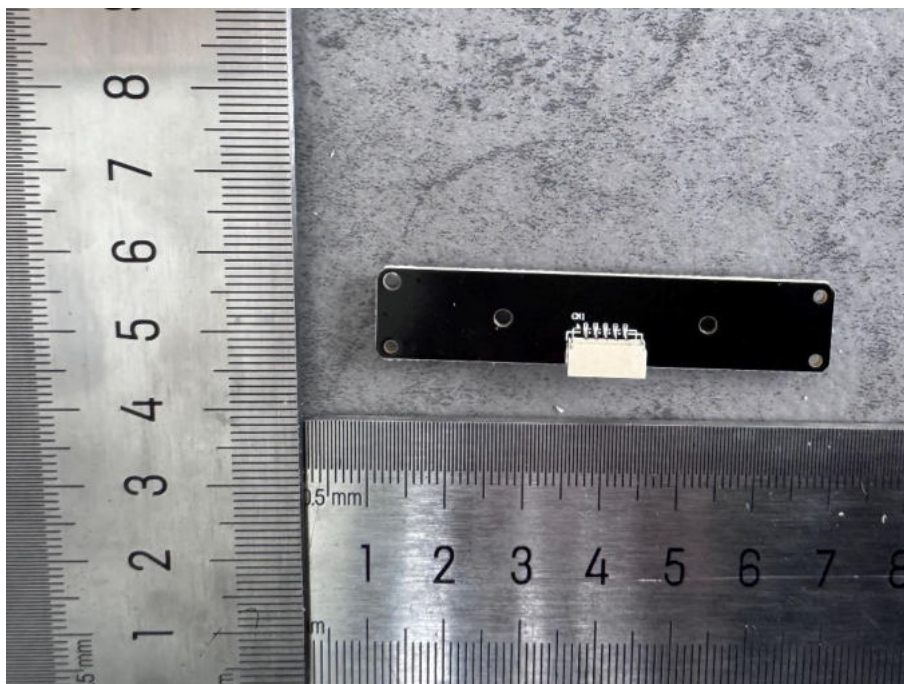
MAIN BOARD REAR VIEW



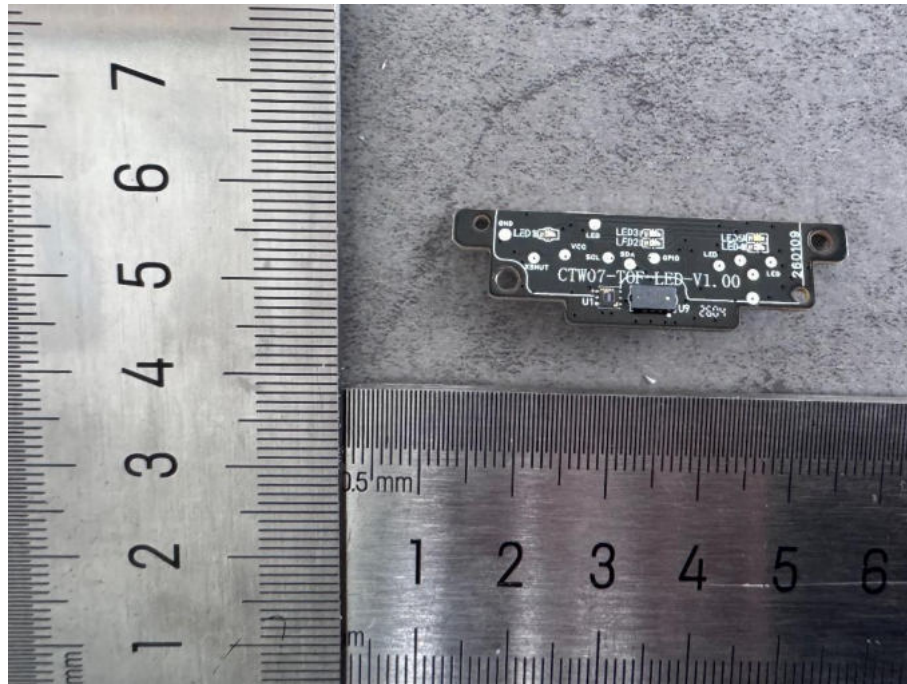
SECONDARY BOARD 1 TOP VIEW



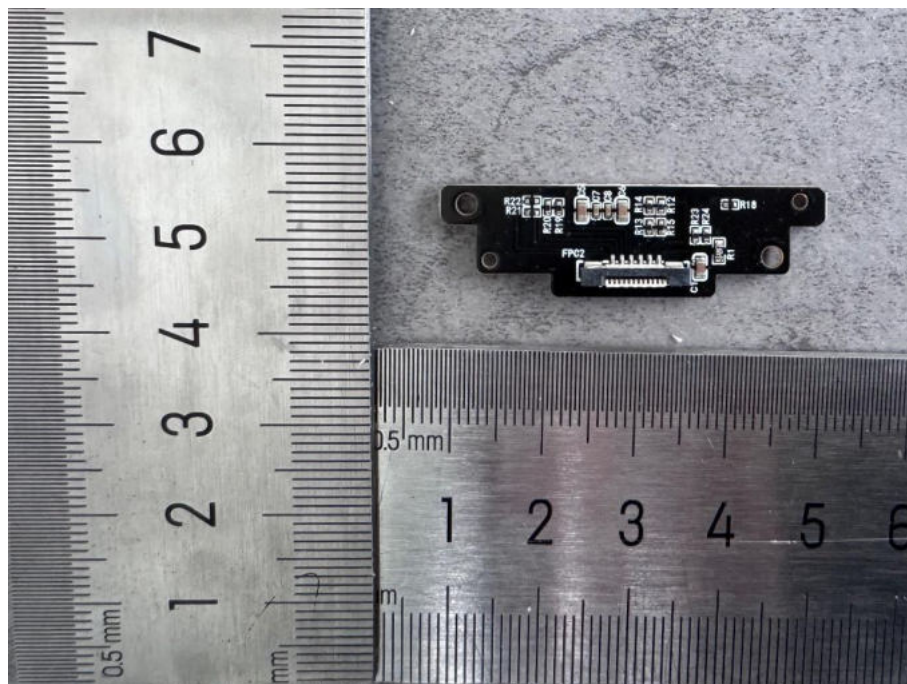
SECONDARY BOARD 1 REAR VIEW



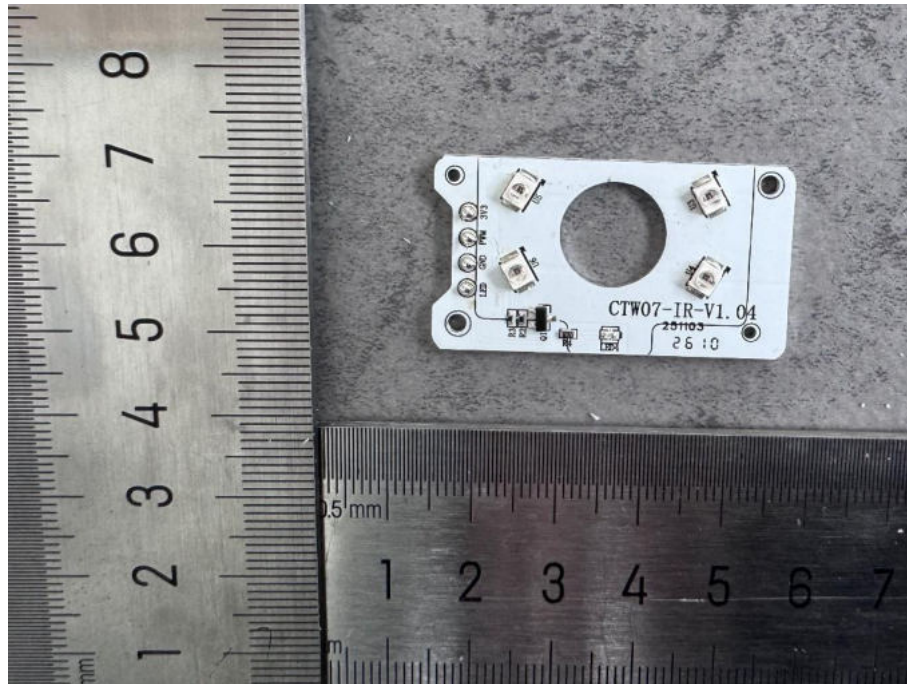
SECONDARY BOARD 2 TOP VIEW



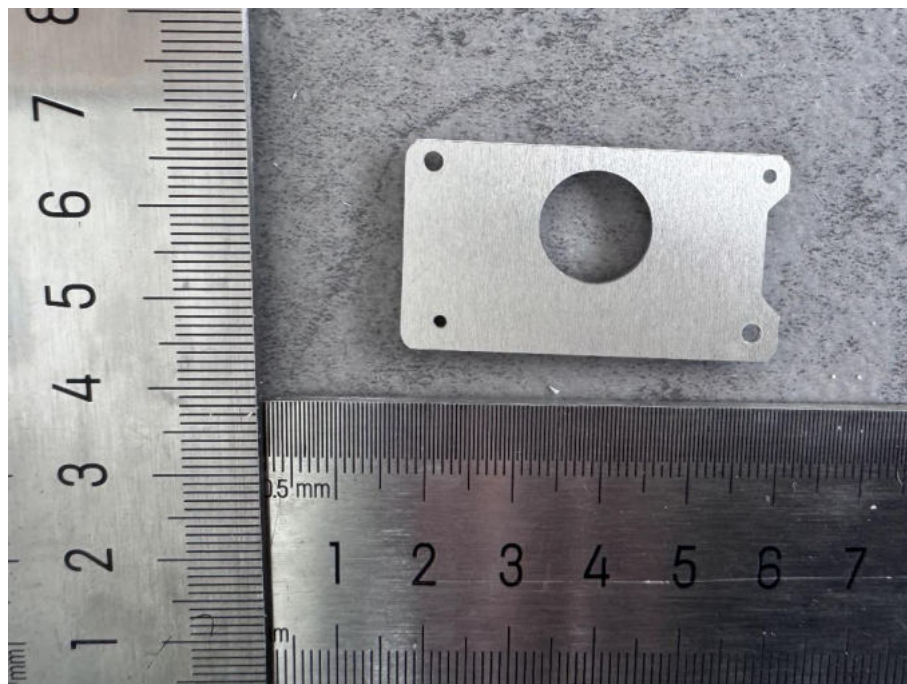
SECONDARY BOARD 2 REAR VIEW



SECONDARY BOARD 3 TOP VIEW



SECONDARY BOARD 3 REAR VIEW



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--END OF REPORT--