

TEST REPORT

Applicant: Botslab Inc.
Address: 919 North Market Street, Suite 950, Wilmington,
New Castle, Delaware, USA
Equipment Type: Dash Cam
Model Name: DC-BE05-M8 (refer to section 2.3)
Brand Name: Botslab
FCC ID: 2A22Z-M600H
ISED Number: 27673-M600H
Test Standard: 47 CFR Part 15 Subpart E
RSS-Gen Issue 5
RSS-247 Issue 4
(refer to section 3.1)
Sample Arrival Date: Aug. 20, 2026
Test Date: Aug. 26, 2026 - Oct. 12, 2026
Date of Issue: Oct. 26, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Yang Wenxuan**Checked by:** Li Ganming**Approved by:** Tolan Tu
(Testing Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Oct. 19, 2026</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Oct. 26, 2026</u>	<u>Update 2.3 section</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	Botslab Inc.
Address	919 North Market Street, Suite 950, Wilmington, New Castle, Delaware, USA

2.2 Manufacturer Information

Manufacturer	Botslab Inc.
Address	919 North Market Street, Suite 950, Wilmington, New Castle, Delaware, USA

2.3 General Description for Equipment under Test (EUT)

EUT Name	Dash Cam
Model Name Under Test	DC-BE05-M8
Series Model Name	DC-BE05-M8-V0, DC-BE05-M8-V1, DC-BE05-M8-V2, DC-BE05-M8-V3, DC-BE05-M8-V4, DC-BE05-M8-V5, DC-BE05-M8-V6, DC-BE05-M8-V7, DC-BE05-M8-V8, DC-BE05-M8-V9
Description of Model name differentiation	All models are same with electrical parameters and internal circuit structure, but only differ in model and color. (this information provided by the applicant)
Serial Number	TYANGC216320000043
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A
Note: IC Model: DC-BE05-M8 FCC Model(s): DC-BE05-M8-V0, DC-BE05-M8-V1, DC-BE05-M8-V2, DC-BE05-M8-V3, DC-BE05-M8-V4, DC-BE05-M8-V5, DC-BE05-M8-V6, DC-BE05-M8-V7, DC-BE05-M8-V8, DC-BE05-M8-V9	

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-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-3: 105.66 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-3: 5725 MHz to 5850 MHz: 1.85 dBi
About the Product	The equipment is Dash Cam, intended for used with information technology equipment.

802.11ax RU configuration table					
Mode	Full RU (SU)	RU_26	RU_52	RU_106	RU_242
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)
149	5745	151	5755
153	5765	159	5795
157	5785		
161	5805		
165	5825		

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

For 802.11a/n(HT20)/ac(VHT20)/ax(HE20)

U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)
149	Low	5745
157	Mid	5785
165	High	5825

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

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

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

Test Items	Mode	Data Rate	Modulation Type	U-NII-3
				Channel
RF Output Power	11a	6	BPSK	165/157/149
	11n(20 MHz)	6.5		165/157/149
	11n(40 MHz)	13.5		159/151
	11ac(20 MHz)	6.5		165/157/149
	11ac(40 MHz)	13.5		159/151
	11ax(20 MHz)	8.6		165/157/149
	11ax(40 MHz)	17.2		159/151
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	165/157/149
	11n(20 MHz)	6.5		165/157/149
	11n(40 MHz)	13.5		159/151
	11ac(20 MHz)	6.5		165/157/149
	11ac(40 MHz)	13.5		159/151
	11ax(20 MHz)	8.6		165/157/149
	11ax(40 MHz)	17.2		159/151
6 dB bandwidth	11a	6	BPSK	165/157/149
	11n(20 MHz)	6.5		165/157/149
	11n(40 MHz)	13.5		159/151
	11ac(20 MHz)	6.5		165/157/149
	11ac(40 MHz)	13.5		159/151
	11ax(20 MHz)	8.6		165/157/149
	11ax(40 MHz)	17.2		159/151
Power Spectral Density	11a	6	BPSK	165/157/149
	11n(20 MHz)	6.5		165/157/149
	11n(40 MHz)	13.5		159/151
	11ac(20 MHz)	6.5		165/157/149
	11ac(40 MHz)	13.5		159/151
	11ax(20 MHz)	8.6		165/157/149
	11ax(40 MHz)	17.2		159/151
Radiated Spurious Emissions	11a	6	BPSK	165/157/149
	11n(20 MHz)	6.5		165/157/149
	11n(40 MHz)	13.5		159/151
	11ac(20 MHz)	6.5		165/157/149
	11ac(40 MHz)	13.5		159/151
	11ax(20 MHz)	8.6		165/157/149
	11ax(40 MHz)	17.2		159/151
Band Edge (Restricted-band)	11a	6	BPSK	165/149
	11n(20 MHz)	6.5		165/149
	11n(40 MHz)	13.5		159/151
	11ac(20 MHz)	6.5		165/149

	11ac(40 MHz)	13.5		159/151
	11ax(20 MHz)	8.6		165/149
	11ax(40 MHz)	17.2		159/151

2.6 Additional Instructions

EUT Software Settings:

Mode	☒ Special software is used. The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.
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During testing. Channel and Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

Power level setup in software	
Test Software Version	SSCOM V5.13.1

U-NII-3 (5725 - 5850 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH149	5745	0x80000034
11a	CH157	5785	0x80000034
11a	CH165	5825	0x80000038
11n(HT20)	CH149	5745	0x80000034
11n(HT20)	CH157	5785	0x80000034
11n(HT20)	CH165	5825	0x80000038
11n(HT40)	CH151	5755	0x80000030
11n(HT40)	CH159	5795	0x80000030
11ac(VHT20)	CH149	5745	0x80000034
11ac(VHT20)	CH157	5785	0x80000034
11ac(VHT20)	CH165	5825	0x80000034
11ac(VHT40)	CH151	5755	0x80000030
11ac(VHT40)	CH159	5795	0x80000030
11ax(HE20)(SU)	CH149	5745	0x80000034
11ax(HE20)(SU)	CH157	5785	0x80000034
11ax(HE20)(SU)	CH165	5825	0x80000034
11ax(HE40)(SU)	CH151	5755	0x80000030
11ax(HE40)(SU)	CH159	5795	0x80000030

SSCOM V5.13.1 串口/网络数据调试器,作者:大野JJ,2618058@qq.com,QQ群:52502449(最新版本)

[illegible]

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 Licence Exempt 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	N/A ^{Note 2}
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 ^{Note3}

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

Note 2: The EUT is a vehicle equipment, so the Conducted Emission test is not applicable.

Note 3: 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 4: 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	46% to 69%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.1℃ to +25.7℃
Working Voltage of the EUT	NV (Normal Voltage)	5 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Power Sensor	KEYSIGHT	U2063XA	MY58000247	2026.06.01	2027.05.31
Spectrum Analyzer	KEYSIGHT	N9020A	MY52510065	2026.06.01	2027.05.31
Spectrum Analyzer	KEYSIGHT	N9020A	MY54432240	2026.03.24	2027.03.23
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	00884	2025.03.01	2028.02.29
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	01631	2025.02.22	2028.02.21
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Anechoic Chamber	EMC Electronic Co, Ltd	9m*6m*6m	213	2026.03.03	2028.03.02
Amplifier	COM-MV	LSCX_LNA1-12G-01	180602	2026.05.20	2027.05.19
Amplifier	COM-MV	XKu_LNA7-18G-01	180601	2026.05.20	2027.05.19
Amplifier	COM-MV	KA LNA18 40G-01	10248150	2025.12.04	2026.12.03
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22
EMI Receiver	Keysight	N9048B	MY59290112	2026.01.28	2027.01.27
Amplifier (30MHz-1GHz)	COM-MV	ZT30-1000M	10233263	2026.04.23	2027.04.22
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	1884	2025.11.23	2028.11.22
Anechoic Chamber (#4)	Changning	9m*6m*6m	107-1	2026.01.09	2029.01.08
DC Source	ITECH	IT6720	N/A	N/A	N/A

4.3 Test Software List

Description	Manufacturer	Software Version	Serial No.	Applicable test Setup
BL410R	BALUN	V2.1.1.488	N/A	The section 4.5.1
BL410E	BALUN	V22.930	N/A	The section 4.5.2&4.5.3&4.5.4&4.5.5

4.4 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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

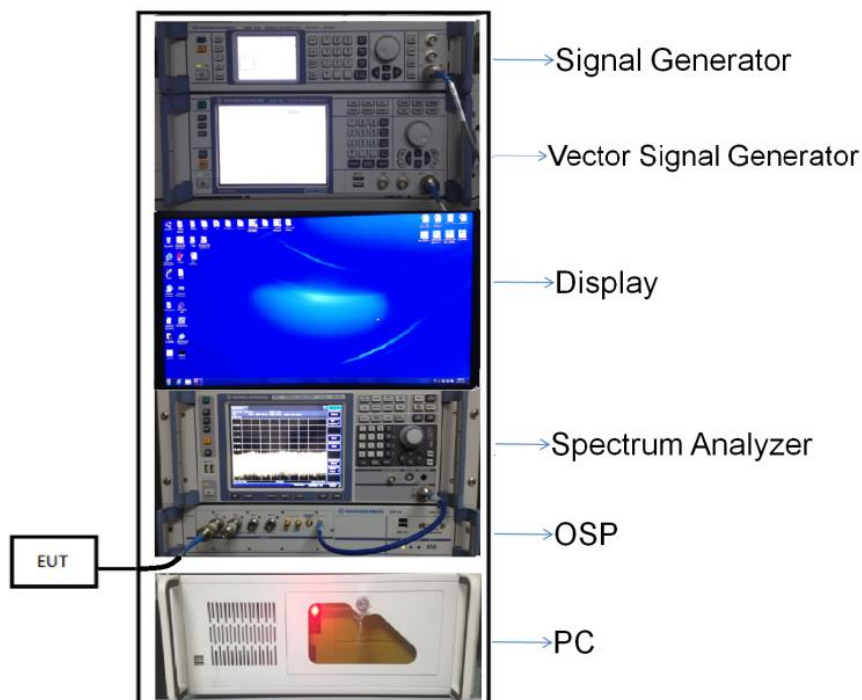
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

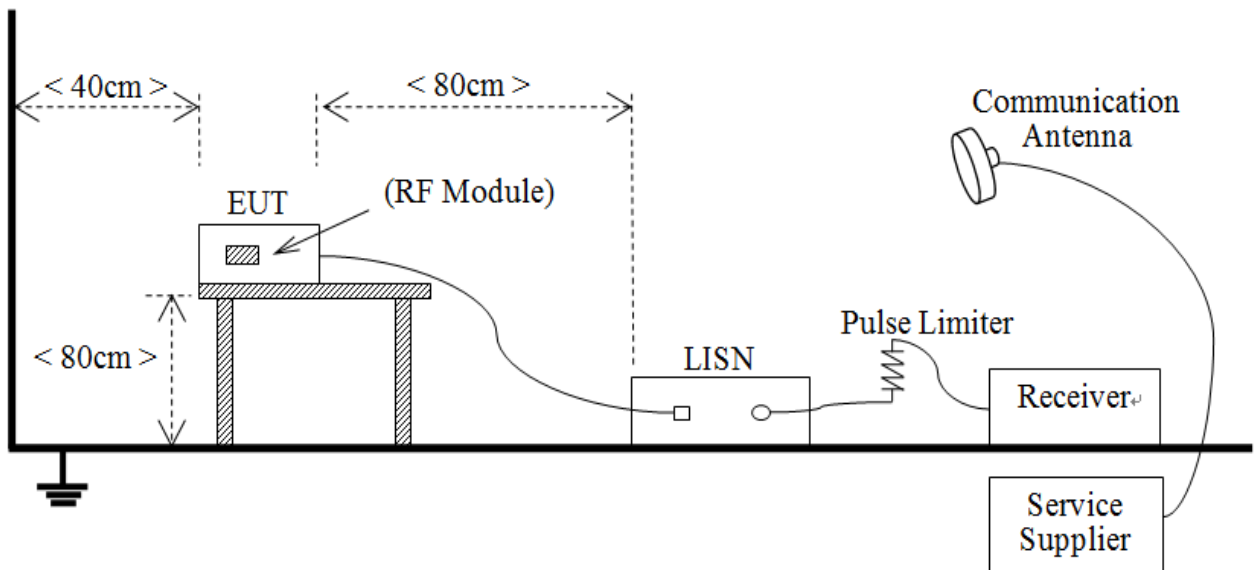
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



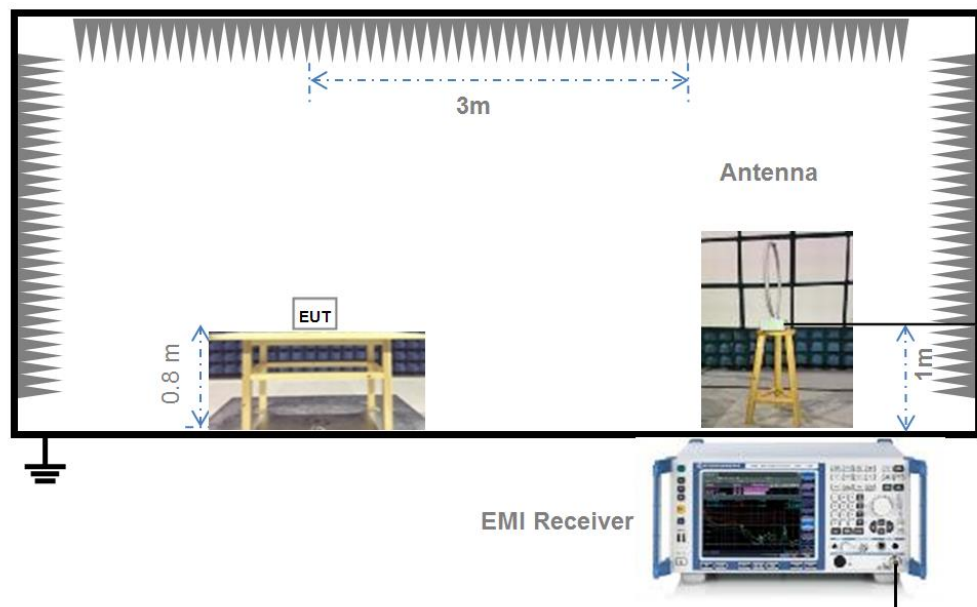
(Diagram 1)

4.5.2 For AC Power Supply Port Test



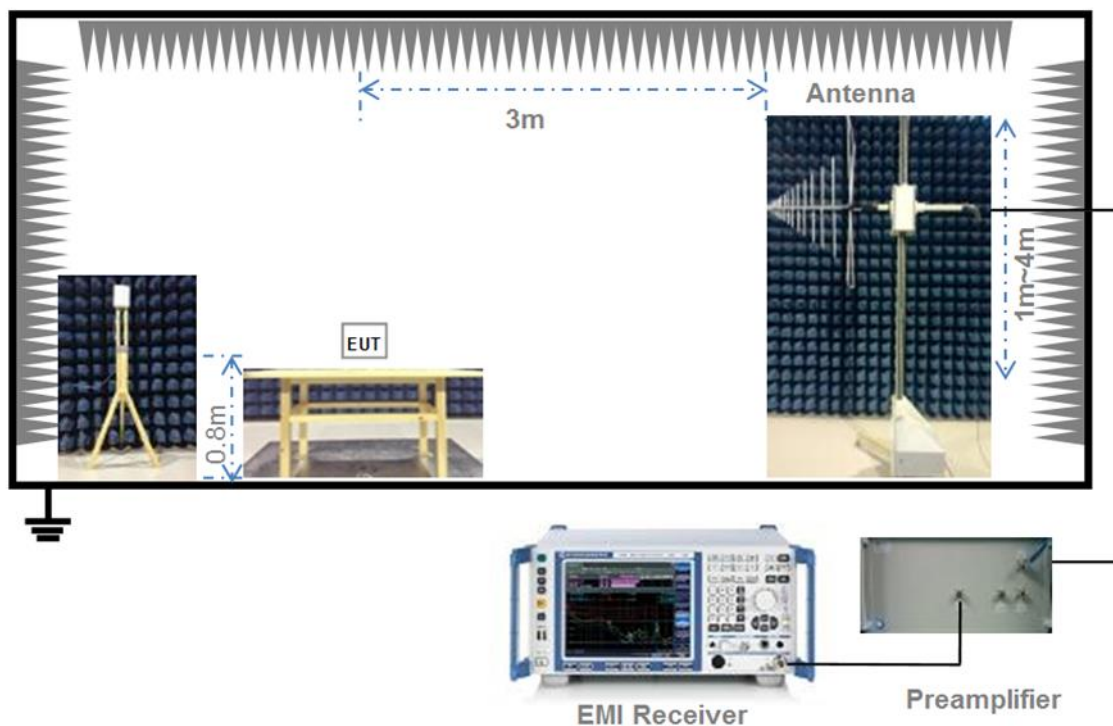
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



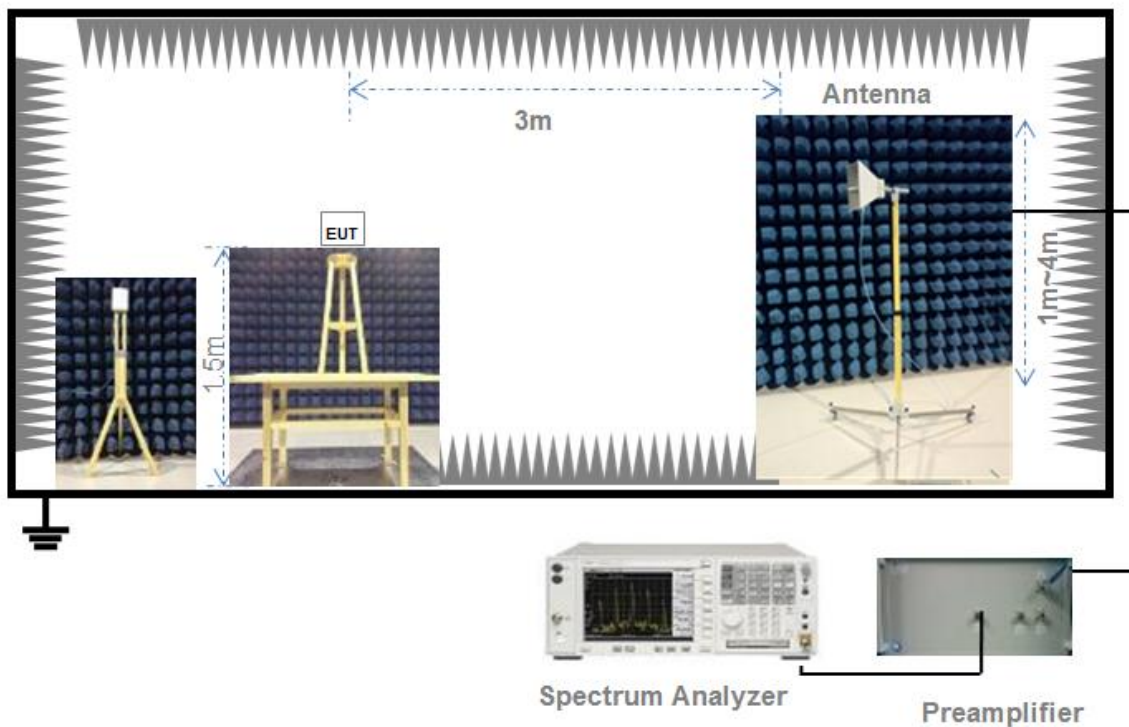
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

Frequency Band (MHz)	Limit
5150-5250	250 mW
5250-5350	250 mW or 11 dBm + 10log B, whichever is less.
5470-5725	250 mW or 11 dBm + 10log B, whichever is less.
5725-5850	1 W
Note: Where “B” is the 26 dB emissions bandwidth in MHz.	

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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 C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024 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)

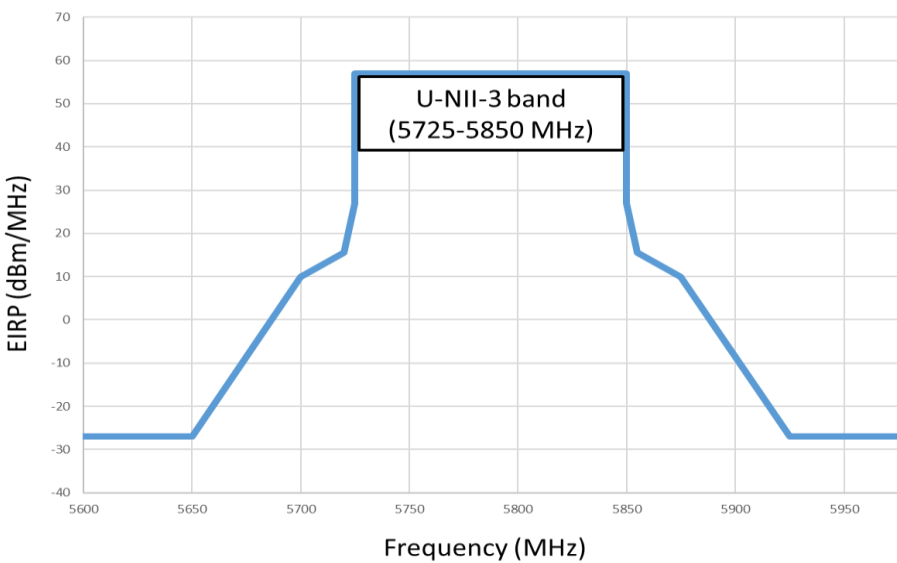
5.5.1 Limit

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

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

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

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

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

strength.

5.5.2 Test Setup

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

5.5.3 Test Procedure

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 C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024 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 C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024. 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) $\pm$ 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) $\pm$ 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) $\pm$ 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 $\pm$ 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: All the configurations were pre tested, only the worst configuration has been reported in this report.

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	5.48	9.32	58.80%	2.31
11n(HT20)/11ac(VHT20)	5.36	9.34	57.42%	2.41
11n(HT40)/11ac(VHT40)	3.00	5.34	56.13%	2.51
11ax(HE20)	4.64	10.35	44.78%	3.49
11ax(HE40)	4.60	10.33	44.50%	3.52

Test Data

Conducted Power

U-NII-3 (5725 - 5850 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH149	18.76	75.10	1000	1000	Pass
11a	CH157	18.26	66.93	1000	1000	Pass
11a	CH165	18.82	76.15	1000	1000	Pass
11n(HT20)	CH149	18.93	78.16	1000	1000	Pass
11n(HT20)	CH157	18.46	70.14	1000	1000	Pass
11n(HT20)	CH165	19.07	80.72	1000	1000	Pass
11n(HT40)	CH151	17.75	59.54	1000	1000	Pass
11n(HT40)	CH159	17.66	58.31	1000	1000	Pass
11ac(VHT20)	CH149	19.14	82.03	1000	1000	Pass
11ac(VHT20)	CH157	18.57	71.94	1000	1000	Pass
11ac(VHT20)	CH165	18.12	64.86	1000	1000	Pass
11ac(VHT40)	CH151	17.92	61.91	1000	1000	Pass
11ac(VHT40)	CH159	17.65	58.18	1000	1000	Pass
11ax(HE20)(SU)	CH149	20.24	105.66	1000	1000	Pass
11ax(HE20)(SU)	CH157	19.66	92.45	1000	1000	Pass
11ax(HE20)(SU)	CH165	19.22	83.54	1000	1000	Pass
11ax(HE40)(SU)	CH151	18.89	77.38	1000	1000	Pass
11ax(HE40)(SU)	CH159	18.64	73.05	1000	1000	Pass

E.I.R.P

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	20.61	114.99	Pass
11a	CH157	20.11	102.48	Pass
11a	CH165	20.67	116.59	Pass
11n(HT20)	CH149	20.78	119.66	Pass
11n(HT20)	CH157	20.31	107.39	Pass
11n(HT20)	CH165	20.92	123.58	Pass
11n(HT40)	CH151	19.60	91.15	Pass
11n(HT40)	CH159	19.51	89.28	Pass
11ac(VHT20)	CH149	20.99	125.59	Pass
11ac(VHT20)	CH157	20.42	110.14	Pass
11ac(VHT20)	CH165	19.97	99.30	Pass
11ac(VHT40)	CH151	19.77	94.79	Pass
11ac(VHT40)	CH159	19.50	89.08	Pass
11ax(HE20)(SU)	CH149	22.09	161.77	Pass
11ax(HE20)(SU)	CH157	21.51	141.54	Pass
11ax(HE20)(SU)	CH165	21.07	127.91	Pass
11ax(HE40)(SU)	CH151	20.74	118.47	Pass
11ax(HE40)(SU)	CH159	20.49	111.85	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note¹: Test plots please refer to the document “Annex No.: BL-SZ2680004-603 Data Part 1.pdf”.

Note²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	21.55	16.84
11a	CH157	21.73	16.81
11a	CH165	21.60	16.81
11n(HT20)	CH149	22.03	17.93
11n(HT20)	CH157	22.02	17.94
11n(HT20)	CH165	21.99	17.93
11n(HT40)	CH151	41.47	36.44
11n(HT40)	CH159	40.63	36.44
11ac(VHT20)	CH149	22.04	17.95
11ac(VHT20)	CH157	22.12	17.94
11ac(VHT20)	CH165	22.15	17.92
11ac(VHT40)	CH151	41.06	36.47
11ac(VHT40)	CH159	40.77	36.47
11ax(HE20)(SU)	CH149	22.26	19.15
11ax(HE20)(SU)	CH157	22.25	19.16
11ax(HE20)(SU)	CH165	22.23	19.15
11ax(HE40)(SU)	CH151	41.24	37.98
11ax(HE40)(SU)	CH159	41.09	37.96

A.3 6 dB Bandwidth

Note¹: Test plots please refer to the document “Annex No.: BL-SZ2680004-603 Data Part 2.pdf”.

Note²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.80	500.00	Pass
11a	CH157	16.70	500.00	Pass
11a	CH165	16.60	500.00	Pass
11n(HT20)	CH149	17.80	500.00	Pass
11n(HT20)	CH157	17.80	500.00	Pass
11n(HT20)	CH165	17.80	500.00	Pass
11n(HT40)	CH151	36.60	500.00	Pass
11n(HT40)	CH159	36.60	500.00	Pass
11ac(VHT20)	CH149	17.80	500.00	Pass
11ac(VHT20)	CH157	18.00	500.00	Pass
11ac(VHT20)	CH165	18.00	500.00	Pass
11ac(VHT40)	CH151	36.60	500.00	Pass
11ac(VHT40)	CH159	36.60	500.00	Pass
11ax(HE20)(SU)	CH149	19.20	500.00	Pass
11ax(HE20)(SU)	CH157	19.20	500.00	Pass
11ax(HE20)(SU)	CH165	19.30	500.00	Pass
11ax(HE40)(SU)	CH151	38.30	500.00	Pass
11ax(HE40)(SU)	CH159	38.20	500.00	Pass

A.4 Power Spectral Density

Note¹: Test plots please refer to the document “Annex No.: BL-SZ2680004-603 Data Part 3.pdf”.

Note²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data

U-NII-3 (5725 - 5850 MHz)							
Mode	Channel	Measured PSD (dBm/500k Hz)	Duty Factor	PSD (dBm/500k Hz)	FCC Limit (dBm/500k Hz)	IC Limit (dBm/500k Hz)	Verdict
11a	CH149	-0.21	2.31	2.10	30.00	30.00	Pass
11a	CH157	-0.96	2.31	1.35	30.00	30.00	Pass
11a	CH165	-0.49	2.31	1.81	30.00	30.00	Pass
11n(HT20)	CH149	-0.21	2.41	2.20	30.00	30.00	Pass
11n(HT20)	CH157	-0.95	2.41	1.46	30.00	30.00	Pass
11n(HT20)	CH165	-0.38	2.41	2.03	30.00	30.00	Pass
11n(HT40)	CH151	-4.33	2.51	-1.82	30.00	30.00	Pass
11n(HT40)	CH159	-4.87	2.51	-2.36	30.00	30.00	Pass
11ac(VHT20)	CH149	-0.22	2.41	2.19	30.00	30.00	Pass
11ac(VHT20)	CH157	-0.88	2.41	1.53	30.00	30.00	Pass
11ac(VHT20)	CH165	-1.17	2.41	1.24	30.00	30.00	Pass
11ac(VHT40)	CH151	-4.62	2.51	-2.12	30.00	30.00	Pass
11ac(VHT40)	CH159	-4.74	2.51	-2.23	30.00	30.00	Pass
11ax(HE20)(SU)	CH149	-1.69	3.49	1.80	30.00	30.00	Pass
11ax(HE20)(SU)	CH157	-2.59	3.49	0.90	30.00	30.00	Pass
11ax(HE20)(SU)	CH165	-2.84	3.49	0.64	30.00	30.00	Pass
11ax(HE40)(SU)	CH151	-5.80	3.52	-2.29	30.00	30.00	Pass
11ax(HE40)(SU)	CH159	-6.15	3.52	-2.64	30.00	30.00	Pass

E.I.R.P

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/500kHz)	Verdict
11a	CH149	3.95	Pass
11a	CH157	3.20	Pass
11a	CH165	3.66	Pass
11n(HT20)	CH149	4.05	Pass
11n(HT20)	CH157	3.31	Pass
11n(HT20)	CH165	3.88	Pass
11n(HT40)	CH151	0.03	Pass
11n(HT40)	CH159	-0.51	Pass
11ac(VHT20)	CH149	4.04	Pass
11ac(VHT20)	CH157	3.38	Pass
11ac(VHT20)	CH165	3.09	Pass
11ac(VHT40)	CH151	-0.27	Pass
11ac(VHT40)	CH159	-0.38	Pass
11ax(HE20)(SU)	CH149	3.65	Pass
11ax(HE20)(SU)	CH157	2.75	Pass
11ax(HE20)(SU)	CH165	2.49	Pass
11ax(HE40)(SU)	CH151	-0.44	Pass
11ax(HE40)(SU)	CH159	-0.79	Pass

A.5 Conducted Emissions

Note: Not applicable.

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 C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024, 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.

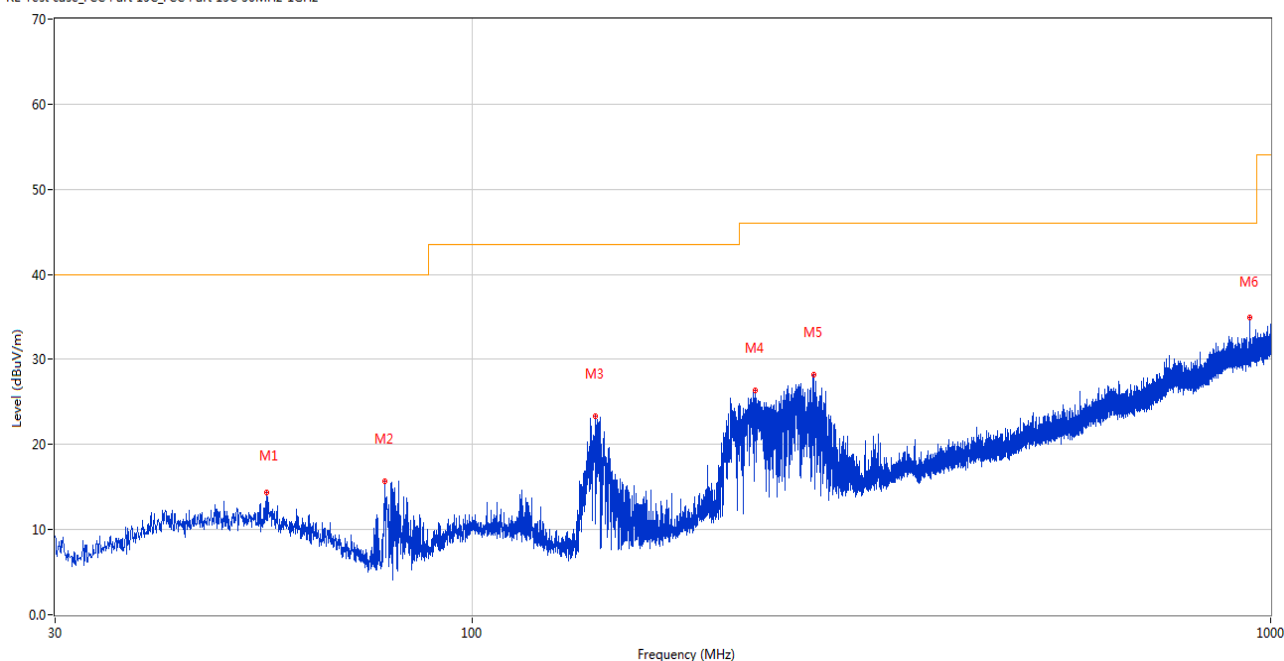
Note ³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

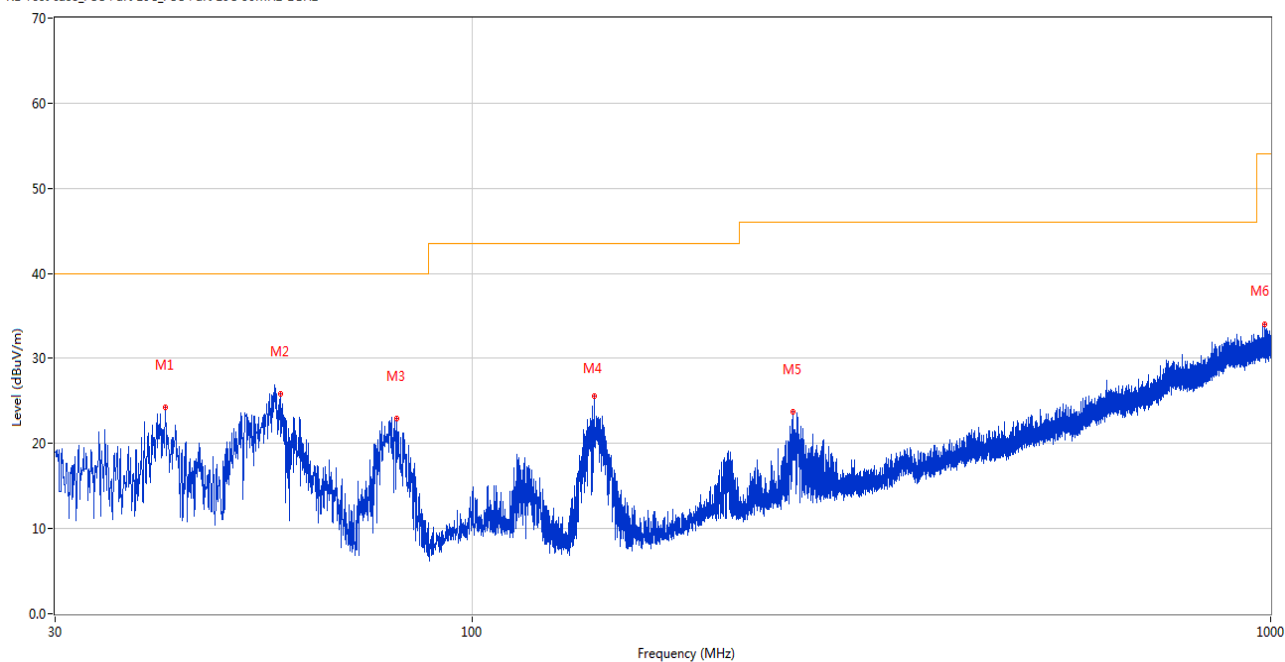
RE Test case_FCC Part 15C_FCC Part 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	55.269	14.31	-24.56	40.0	25.69	Peak	135.00	100	Horizontal	Pass
2	77.675	15.70	-30.51	40.0	24.30	Peak	142.20	100	Horizontal	Pass
3	142.714	23.33	-28.66	43.5	20.17	Peak	230.60	100	Horizontal	Pass
4	225.940	26.32	-23.74	46.0	19.68	Peak	360.04	100	Horizontal	Pass
5	267.650	28.27	-22.46	46.0	17.73	Peak	353.90	100	Horizontal	Pass
6	940.636	34.89	-5.40	46.0	11.11	Peak	47.70	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/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	41.203	24.25	-25.21	40.0	15.75	Peak	322.70	100	Vertical	Pass
2	57.403	25.87	-24.80	40.0	14.13	Peak	238.70	100	Vertical	Pass
3	80.440	22.92	-30.51	40.0	17.08	Peak	142.50	100	Vertical	Pass
4	142.035	25.61	-28.67	43.5	17.89	Peak	350.40	100	Vertical	Pass
5	252.227	23.68	-22.73	46.0	22.32	Peak	238.70	100	Vertical	Pass
6	981.910	34.05	-4.60	54.0	19.95	Peak	266.30	100	Vertical	Pass

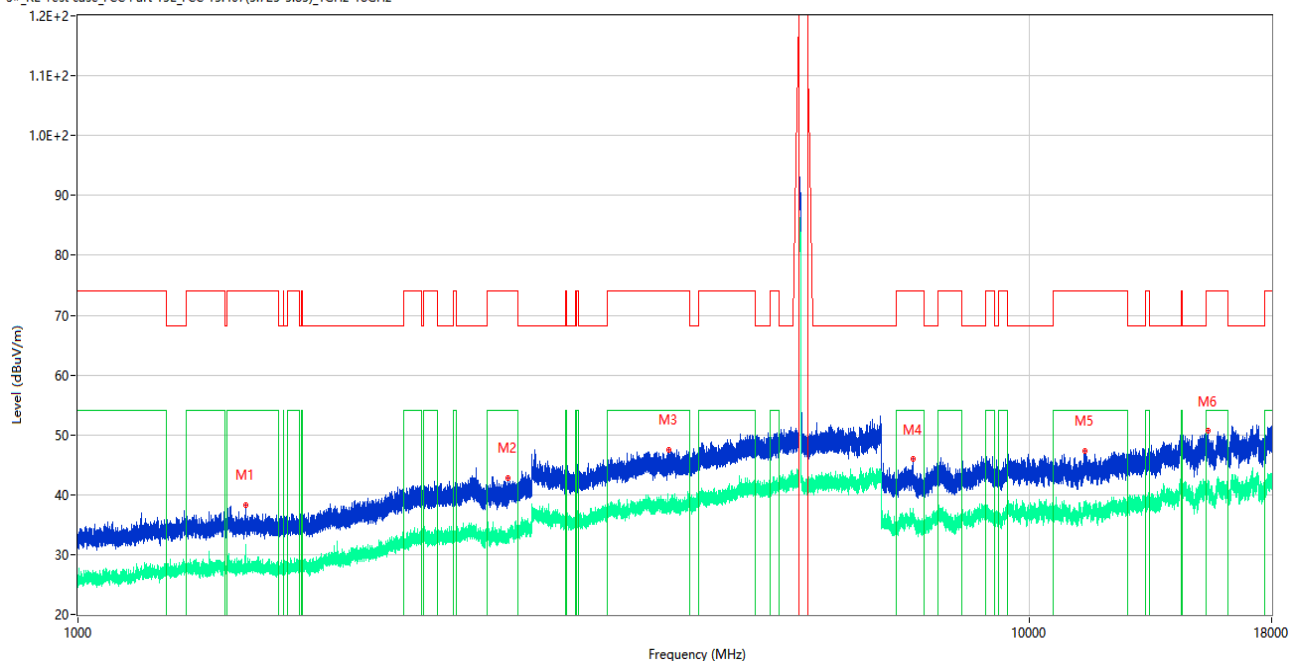
Note¹: The spurious above 18G is noise only, do not show on the report.

Note²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note³: The RSE Plot only shows the worst-case scenario, while all other data are presented in tabular form.

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

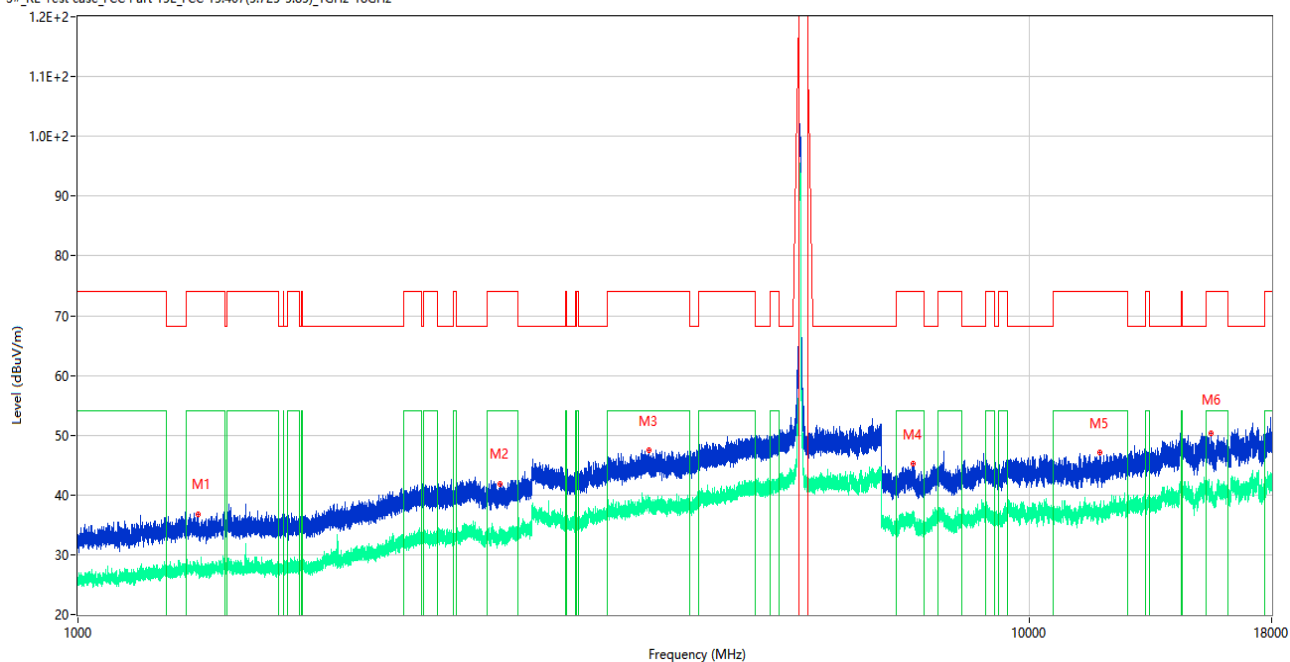
3#_RE Test case_FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1577.206	37.69	74.0	36.31	Peak	255.00	200	Horizontal	Pass
1**	1577.206	27.85	54.0	26.15	AV	255.00	200	Horizontal	Pass
2	4366.740	49.23	74.0	24.77	Peak	273.00	100	Horizontal	Pass
2**	4366.740	39.50	54.0	14.50	AV	273.00	100	Horizontal	Pass
3	4887.671	51.01	74.0	22.99	Peak	310.00	200	Horizontal	Pass
3**	4887.671	39.66	54.0	14.34	AV	310.00	200	Horizontal	Pass
4	7463.298	45.35	74.0	28.66	Peak	207.00	400	Horizontal	Pass
4**	7463.298	35.79	54.0	18.21	AV	207.00	400	Horizontal	Pass
5	12480.729	47.88	74.0	26.12	Peak	284.00	200	Horizontal	Pass
5**	12480.729	38.92	54.0	15.08	AV	284.00	200	Horizontal	Pass
6	16028.017	51.47	74.0	22.53	Peak	211.00	400	Horizontal	Pass
6**	16028.017	41.39	54.0	12.61	AV	211.00	400	Horizontal	Pass

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

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	1455.557	37.62	74.0	36.38	Peak	318.00	100	Vertical	Pass
1**	1455.557	27.66	54.0	26.34	AV	318.00	100	Vertical	Pass
2	3968.279	48.75	74.0	25.25	Peak	305.00	300	Vertical	Pass
2**	3968.279	38.69	54.0	15.31	AV	305.00	300	Vertical	Pass
3	4784.436	49.95	74.0	24.05	Peak	248.00	200	Vertical	Pass
3**	4784.436	39.50	54.0	14.50	AV	248.00	200	Vertical	Pass
4	7548.298	45.80	74.0	28.20	Peak	137.00	200	Vertical	Pass
4**	7548.298	37.46	54.0	16.54	AV	137.00	200	Vertical	Pass
5	12048.467	47.64	74.0	26.36	Peak	113.00	200	Vertical	Pass
5**	12048.467	37.41	54.0	16.59	AV	113.00	200	Vertical	Pass
6	15820.187	50.56	74.0	23.44	Peak	150.00	100	Vertical	Pass
6**	15820.187	41.47	54.0	12.53	AV	150.00	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	1581.649	37.48	74.0	36.53	Peak	187.00	400	Horizontal	Pass
1**	1581.649	27.66	54.0	26.34	AV	187.00	400	Horizontal	Pass
2	4371.026	49.07	74.0	24.94	Peak	340.00	400	Horizontal	Pass
2**	4371.026	39.20	54.0	14.80	AV	340.00	400	Horizontal	Pass
3	4886.201	50.87	74.0	23.13	Peak	101.00	200	Horizontal	Pass
3**	4886.201	39.38	54.0	14.62	AV	101.00	200	Horizontal	Pass
4	7464.400	45.19	74.0	28.81	Peak	45.00	400	Horizontal	Pass
4**	7464.400	35.75	54.0	18.25	AV	45.00	400	Horizontal	Pass
5	12483.647	47.82	74.0	26.18	Peak	69.00	100	Horizontal	Pass
5**	12483.647	38.75	54.0	15.25	AV	69.00	100	Horizontal	Pass
6	16021.693	51.21	74.0	22.79	Peak	224.00	200	Horizontal	Pass
6**	16021.693	41.25	54.0	12.75	AV	224.00	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	1456.342	37.51	74.0	36.49	Peak	205.00	200	Vertical	Pass
1**	1456.342	27.62	54.0	26.38	AV	205.00	200	Vertical	Pass
2	3968.046	48.70	74.0	25.30	Peak	356.00	100	Vertical	Pass
2**	3968.046	38.64	54.0	15.36	AV	356.00	100	Vertical	Pass
3	4788.056	49.87	74.0	24.13	Peak	127.00	200	Vertical	Pass
3**	4788.056	39.37	54.0	14.64	AV	127.00	200	Vertical	Pass
4	7551.746	45.78	74.0	28.23	Peak	85.00	400	Vertical	Pass
4**	7551.746	37.45	54.0	16.55	AV	85.00	400	Vertical	Pass
5	12052.024	47.47	74.0	26.53	Peak	303.00	200	Vertical	Pass
5**	12052.024	37.15	54.0	16.85	AV	303.00	200	Vertical	Pass
6	15817.314	50.39	74.0	23.61	Peak	296.00	400	Vertical	Pass
6**	15817.314	41.19	54.0	12.81	AV	296.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1583.309	37.45	74.0	36.55	Peak	193.00	100	Horizontal	Pass
1**	1583.309	27.50	54.0	26.51	AV	193.00	100	Horizontal	Pass
2	4372.949	48.95	74.0	25.05	Peak	331.00	200	Horizontal	Pass
2**	4372.949	39.00	54.0	15.01	AV	331.00	200	Horizontal	Pass
3	4892.977	50.70	74.0	23.30	Peak	269.00	200	Horizontal	Pass
3**	4892.977	39.19	54.0	14.81	AV	269.00	200	Horizontal	Pass
4	7462.934	44.89	74.0	29.11	Peak	101.00	100	Horizontal	Pass
4**	7462.934	35.58	54.0	18.42	AV	101.00	100	Horizontal	Pass
5	12480.272	47.55	74.0	26.45	Peak	254.00	100	Horizontal	Pass
5**	12480.272	38.54	54.0	15.46	AV	254.00	100	Horizontal	Pass
6	16027.234	51.05	74.0	22.95	Peak	101.00	300	Horizontal	Pass
6**	16027.234	41.07	54.0	12.93	AV	101.00	300	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	1456.198	37.31	74.0	36.69	Peak	167.00	100	Vertical	Pass
1**	1456.198	27.53	54.0	26.48	AV	167.00	100	Vertical	Pass
2	3966.348	48.61	74.0	25.39	Peak	2.00	400	Vertical	Pass
2**	3966.348	38.60	54.0	15.40	AV	2.00	400	Vertical	Pass
3	4784.181	49.67	74.0	24.33	Peak	146.00	200	Vertical	Pass
3**	4784.181	39.31	54.0	14.69	AV	146.00	200	Vertical	Pass
4	7552.649	45.60	74.0	28.40	Peak	170.00	400	Vertical	Pass
4**	7552.649	37.41	54.0	16.59	AV	170.00	400	Vertical	Pass
5	12055.058	47.28	74.0	26.72	Peak	132.00	200	Vertical	Pass
5**	12055.058	36.89	54.0	17.11	AV	132.00	200	Vertical	Pass
6	15820.351	50.14	74.0	23.86	Peak	242.00	100	Vertical	Pass
6**	15820.351	41.09	54.0	12.91	AV	242.00	100	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	1578.026	37.18	74.0	36.82	Peak	144.00	100	Horizontal	Pass
1**	1578.026	27.26	54.0	26.74	AV	144.00	100	Horizontal	Pass
2	4369.277	48.73	74.0	25.28	Peak	169.00	100	Horizontal	Pass
2**	4369.277	38.72	54.0	15.28	AV	169.00	100	Horizontal	Pass
3	4885.128	50.42	74.0	23.58	Peak	358.00	200	Horizontal	Pass
3**	4885.128	39.12	54.0	14.88	AV	358.00	200	Horizontal	Pass
4	7458.897	44.78	74.0	29.22	Peak	280.00	100	Horizontal	Pass
4**	7458.897	35.43	54.0	18.57	AV	280.00	100	Horizontal	Pass
5	12478.876	47.53	74.0	26.48	Peak	156.00	100	Horizontal	Pass
5**	12478.876	38.31	54.0	15.69	AV	156.00	100	Horizontal	Pass
6	16023.562	50.84	74.0	23.16	Peak	207.00	200	Horizontal	Pass
6**	16023.562	40.89	54.0	13.11	AV	207.00	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	1452.339	37.27	74.0	36.73	Peak	129.00	300	Vertical	Pass
1**	1452.339	27.32	54.0	26.68	AV	129.00	300	Vertical	Pass
2	3973.130	48.42	74.0	25.58	Peak	26.00	400	Vertical	Pass
2**	3973.130	38.60	54.0	15.40	AV	26.00	400	Vertical	Pass
3	4784.877	49.57	74.0	24.44	Peak	44.00	200	Vertical	Pass
3**	4784.877	39.23	54.0	14.78	AV	44.00	200	Vertical	Pass
4	7553.166	45.47	74.0	28.53	Peak	251.00	300	Vertical	Pass
4**	7553.166	37.28	54.0	16.72	AV	251.00	300	Vertical	Pass
5	12055.362	47.06	74.0	26.94	Peak	289.00	200	Vertical	Pass
5**	12055.362	36.67	54.0	17.33	AV	289.00	200	Vertical	Pass
6	15813.401	49.87	74.0	24.13	Peak	116.00	100	Vertical	Pass
6**	15813.401	40.80	54.0	13.20	AV	116.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1578.948	36.99	74.0	37.01	Peak	216.00	300	Horizontal	Pass
1**	1578.948	27.04	54.0	26.96	AV	216.00	300	Horizontal	Pass
2	4372.975	48.68	74.0	25.32	Peak	141.00	400	Horizontal	Pass
2**	4372.975	38.48	54.0	15.52	AV	141.00	400	Horizontal	Pass
3	4885.068	50.37	74.0	23.63	Peak	92.00	200	Horizontal	Pass
3**	4885.068	38.88	54.0	15.12	AV	92.00	200	Horizontal	Pass
4	7461.586	44.74	74.0	29.27	Peak	50.00	200	Horizontal	Pass
4**	7461.586	35.30	54.0	18.70	AV	50.00	200	Horizontal	Pass
5	12477.620	47.32	74.0	26.68	Peak	85.00	100	Horizontal	Pass
5**	12477.620	38.21	54.0	15.79	AV	85.00	100	Horizontal	Pass
6	16024.094	50.60	74.0	23.41	Peak	49.00	300	Horizontal	Pass
6**	16024.094	40.67	54.0	13.33	AV	49.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1450.734	37.27	74.0	36.73	Peak	197.00	200	Vertical	Pass
1**	1450.734	27.07	54.0	26.93	AV	197.00	200	Vertical	Pass
2	3970.207	48.16	74.0	25.84	Peak	240.00	200	Vertical	Pass
2**	3970.207	38.41	54.0	15.60	AV	240.00	200	Vertical	Pass
3	4784.817	49.45	74.0	24.55	Peak	346.00	200	Vertical	Pass
3**	4784.817	39.18	54.0	14.82	AV	346.00	200	Vertical	Pass
4	7548.745	45.44	74.0	28.56	Peak	249.00	100	Vertical	Pass
4**	7548.745	37.21	54.0	16.80	AV	249.00	100	Vertical	Pass
5	12050.110	46.87	74.0	27.13	Peak	124.00	400	Vertical	Pass
5**	12050.110	36.38	54.0	17.62	AV	124.00	400	Vertical	Pass
6	15818.868	49.73	74.0	24.27	Peak	65.00	200	Vertical	Pass
6**	15818.868	40.59	54.0	13.41	AV	65.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1576.134	36.83	74.0	37.17	Peak	75.00	100	Horizontal	Pass
1**	1576.134	27.02	54.0	26.98	AV	75.00	100	Horizontal	Pass
2	4369.269	48.58	74.0	25.42	Peak	345.00	100	Horizontal	Pass
2**	4369.269	38.37	54.0	15.64	AV	345.00	100	Horizontal	Pass
3	4891.893	50.36	74.0	23.64	Peak	334.00	200	Horizontal	Pass
3**	4891.893	38.79	54.0	15.21	AV	334.00	200	Horizontal	Pass
4	7462.347	44.63	74.0	29.37	Peak	128.00	400	Horizontal	Pass
4**	7462.347	35.19	54.0	18.81	AV	128.00	400	Horizontal	Pass
5	12483.817	47.14	74.0	26.86	Peak	169.00	100	Horizontal	Pass
5**	12483.817	38.13	54.0	15.87	AV	169.00	100	Horizontal	Pass
6	16021.705	50.40	74.0	23.60	Peak	341.00	200	Horizontal	Pass
6**	16021.705	40.47	54.0	13.53	AV	341.00	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	1455.901	37.26	74.0	36.74	Peak	319.00	400	Vertical	Pass
1**	1455.901	26.94	54.0	27.06	AV	319.00	400	Vertical	Pass
2	3972.890	48.11	74.0	25.89	Peak	336.00	400	Vertical	Pass
2**	3972.890	38.15	54.0	15.85	AV	336.00	400	Vertical	Pass
3	4787.015	49.20	74.0	24.80	Peak	214.00	200	Vertical	Pass
3**	4787.015	38.99	54.0	15.01	AV	214.00	200	Vertical	Pass
4	7548.860	45.35	74.0	28.65	Peak	210.00	300	Vertical	Pass
4**	7548.860	37.15	54.0	16.85	AV	210.00	300	Vertical	Pass
5	12048.384	46.75	74.0	27.25	Peak	206.00	400	Vertical	Pass
5**	12048.384	36.22	54.0	17.78	AV	206.00	400	Vertical	Pass
6	15814.034	49.47	74.0	24.53	Peak	46.00	100	Vertical	Pass
6**	15814.034	40.31	54.0	13.69	AV	46.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1580.322	36.76	74.0	37.24	Peak	283.00	400	Horizontal	Pass
1**	1580.322	26.80	54.0	27.21	AV	283.00	400	Horizontal	Pass
2	4371.776	48.50	74.0	25.50	Peak	172.00	200	Horizontal	Pass
2**	4371.776	38.25	54.0	15.76	AV	172.00	200	Horizontal	Pass
3	4889.932	50.16	74.0	23.84	Peak	292.00	200	Horizontal	Pass
3**	4889.932	38.79	54.0	15.22	AV	292.00	200	Horizontal	Pass
4	7458.544	44.45	74.0	29.55	Peak	132.00	400	Horizontal	Pass
4**	7458.544	35.15	54.0	18.86	AV	132.00	400	Horizontal	Pass
5	12485.340	46.92	74.0	27.08	Peak	129.00	300	Horizontal	Pass
5**	12485.340	37.93	54.0	16.07	AV	129.00	300	Horizontal	Pass
6	16024.355	50.32	74.0	23.68	Peak	190.00	100	Horizontal	Pass
6**	16024.355	40.27	54.0	13.73	AV	190.00	100	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	1450.912	37.15	74.0	36.85	Peak	137.00	200	Vertical	Pass
1**	1450.912	26.69	54.0	27.31	AV	137.00	200	Vertical	Pass
2	3970.603	47.83	74.0	26.17	Peak	277.00	400	Vertical	Pass
2**	3970.603	37.85	54.0	16.15	AV	277.00	400	Vertical	Pass
3	4783.333	49.06	74.0	24.94	Peak	46.00	200	Vertical	Pass
3**	4783.333	38.78	54.0	15.22	AV	46.00	200	Vertical	Pass
4	7549.030	45.06	74.0	28.95	Peak	248.00	100	Vertical	Pass
4**	7549.030	37.13	54.0	16.87	AV	248.00	100	Vertical	Pass
5	12053.593	46.51	74.0	27.50	Peak	284.00	400	Vertical	Pass
5**	12053.593	36.19	54.0	17.81	AV	284.00	400	Vertical	Pass
6	15816.462	49.34	74.0	24.66	Peak	178.00	100	Vertical	Pass
6**	15816.462	40.31	54.0	13.69	AV	178.00	100	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	1581.705	37.55	74.0	36.45	Peak	109.00	300	Horizontal	Pass
1**	1581.705	27.75	54.0	26.25	AV	109.00	300	Horizontal	Pass
2	4370.706	49.14	74.0	24.86	Peak	255.00	100	Horizontal	Pass
2**	4370.706	39.50	54.0	14.50	AV	255.00	100	Horizontal	Pass
3	4888.295	50.96	74.0	23.04	Peak	295.00	200	Horizontal	Pass
3**	4888.295	39.45	54.0	14.55	AV	295.00	200	Horizontal	Pass
4	7459.197	45.12	74.0	28.89	Peak	128.00	400	Horizontal	Pass
4**	7459.197	35.65	54.0	18.35	AV	128.00	400	Horizontal	Pass
5	12479.779	47.68	74.0	26.32	Peak	209.00	300	Horizontal	Pass
5**	12479.779	38.90	54.0	15.10	AV	209.00	300	Horizontal	Pass
6	16027.645	51.35	74.0	22.65	Peak	106.00	100	Horizontal	Pass
6**	16027.645	41.28	54.0	12.72	AV	106.00	100	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	1452.420	37.61	74.0	36.40	Peak	352.00	400	Vertical	Pass
1**	1452.420	27.52	54.0	26.48	AV	352.00	400	Vertical	Pass
2	3970.129	48.72	74.0	25.28	Peak	30.00	300	Vertical	Pass
2**	3970.129	38.41	54.0	15.59	AV	30.00	300	Vertical	Pass
3	4789.752	49.86	74.0	24.14	Peak	119.00	200	Vertical	Pass
3**	4789.752	39.36	54.0	14.64	AV	119.00	200	Vertical	Pass
4	7552.396	45.59	74.0	28.41	Peak	120.00	200	Vertical	Pass
4**	7552.396	37.22	54.0	16.78	AV	120.00	200	Vertical	Pass
5	12050.215	47.54	74.0	26.46	Peak	188.00	100	Vertical	Pass
5**	12050.215	37.40	54.0	16.60	AV	188.00	100	Vertical	Pass
6	15814.728	50.55	74.0	23.45	Peak	4.00	400	Vertical	Pass
6**	15814.728	41.25	54.0	12.75	AV	4.00	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	1579.072	37.46	74.0	36.54	Peak	185.00	200	Horizontal	Pass
1**	1579.072	27.56	54.0	26.44	AV	185.00	200	Horizontal	Pass
2	4369.589	49.03	74.0	24.97	Peak	337.00	200	Horizontal	Pass
2**	4369.589	38.91	54.0	15.09	AV	337.00	200	Horizontal	Pass
3	4891.981	50.71	74.0	23.29	Peak	289.00	200	Horizontal	Pass
3**	4891.981	39.18	54.0	14.82	AV	289.00	200	Horizontal	Pass
4	7461.272	45.08	74.0	28.92	Peak	224.00	300	Horizontal	Pass
4**	7461.272	35.45	54.0	18.55	AV	224.00	300	Horizontal	Pass
5	12483.355	47.73	74.0	26.27	Peak	83.00	300	Horizontal	Pass
5**	12483.355	38.53	54.0	15.47	AV	83.00	300	Horizontal	Pass
6	16020.945	50.99	74.0	23.01	Peak	207.00	100	Horizontal	Pass
6**	16020.945	41.07	54.0	12.93	AV	207.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1450.947	37.37	74.0	36.63	Peak	86.00	300	Vertical	Pass
1**	1450.947	27.36	54.0	26.64	AV	86.00	300	Vertical	Pass
2	3967.623	48.65	74.0	25.35	Peak	350.00	400	Vertical	Pass
2**	3967.623	38.46	54.0	15.55	AV	350.00	400	Vertical	Pass
3	4784.312	49.75	74.0	24.25	Peak	287.00	200	Vertical	Pass
3**	4784.312	39.07	54.0	14.93	AV	287.00	200	Vertical	Pass
4	7553.526	45.65	74.0	28.35	Peak	139.00	300	Vertical	Pass
4**	7553.526	37.45	54.0	16.55	AV	139.00	300	Vertical	Pass
5	12050.511	47.38	74.0	26.62	Peak	188.00	400	Vertical	Pass
5**	12050.511	36.93	54.0	17.07	AV	188.00	400	Vertical	Pass
6	15814.342	50.39	74.0	23.61	Peak	237.00	100	Vertical	Pass
6**	15814.342	41.01	54.0	12.99	AV	237.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1583.307	37.31	74.0	36.69	Peak	87.00	400	Horizontal	Pass
1**	1583.307	27.34	54.0	26.67	AV	87.00	400	Horizontal	Pass
2	4369.041	48.90	74.0	25.10	Peak	144.00	200	Horizontal	Pass
2**	4369.041	38.92	54.0	15.09	AV	144.00	200	Horizontal	Pass
3	4889.314	50.43	74.0	23.57	Peak	65.00	200	Horizontal	Pass
3**	4889.314	39.14	54.0	14.86	AV	65.00	200	Horizontal	Pass
4	7458.870	44.85	74.0	29.15	Peak	63.00	100	Horizontal	Pass
4**	7458.870	35.34	54.0	18.66	AV	63.00	100	Horizontal	Pass
5	12482.597	47.32	74.0	26.68	Peak	326.00	400	Horizontal	Pass
5**	12482.597	38.47	54.0	15.53	AV	326.00	400	Horizontal	Pass
6	16024.310	50.81	74.0	23.19	Peak	87.00	200	Horizontal	Pass
6**	16024.310	41.03	54.0	12.97	AV	87.00	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	1455.438	37.14	74.0	36.87	Peak	342.00	200	Vertical	Pass
1**	1455.438	27.32	54.0	26.68	AV	342.00	200	Vertical	Pass
2	3967.262	48.46	74.0	25.54	Peak	299.00	400	Vertical	Pass
2**	3967.262	38.55	54.0	15.45	AV	299.00	400	Vertical	Pass
3	4783.099	49.52	74.0	24.48	Peak	101.00	200	Vertical	Pass
3**	4783.099	39.31	54.0	14.69	AV	101.00	200	Vertical	Pass
4	7548.455	45.44	74.0	28.56	Peak	106.00	200	Vertical	Pass
4**	7548.455	37.31	54.0	16.69	AV	106.00	200	Vertical	Pass
5	12050.850	47.14	74.0	26.86	Peak	84.00	400	Vertical	Pass
5**	12050.850	36.86	54.0	17.14	AV	84.00	400	Vertical	Pass
6	15815.744	49.90	74.0	24.10	Peak	224.00	200	Vertical	Pass
6**	15815.744	40.81	54.0	13.19	AV	224.00	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	1576.481	37.17	74.0	36.83	Peak	251.00	200	Horizontal	Pass
1**	1576.481	27.13	54.0	26.87	AV	251.00	200	Horizontal	Pass
2	4372.512	48.51	74.0	25.49	Peak	75.00	100	Horizontal	Pass
2**	4372.512	38.67	54.0	15.33	AV	75.00	100	Horizontal	Pass
3	4891.776	50.21	74.0	23.80	Peak	241.00	200	Horizontal	Pass
3**	4891.776	39.08	54.0	14.92	AV	241.00	200	Horizontal	Pass
4	7462.669	44.51	74.0	29.49	Peak	228.00	100	Horizontal	Pass
4**	7462.669	35.32	54.0	18.68	AV	228.00	100	Horizontal	Pass
5	12484.636	47.31	74.0	26.69	Peak	169.00	200	Horizontal	Pass
5**	12484.636	38.04	54.0	15.96	AV	169.00	200	Horizontal	Pass
6	16021.089	50.80	74.0	23.20	Peak	108.00	200	Horizontal	Pass
6**	16021.089	40.66	54.0	13.34	AV	108.00	200	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	1456.385	37.18	74.0	36.83	Peak	149.00	300	Vertical	Pass
1**	1456.385	27.29	54.0	26.71	AV	149.00	300	Vertical	Pass
2	3968.553	48.18	74.0	25.83	Peak	101.00	400	Vertical	Pass
2**	3968.553	38.57	54.0	15.44	AV	101.00	400	Vertical	Pass
3	4784.514	49.47	74.0	24.53	Peak	50.00	200	Vertical	Pass
3**	4784.514	39.04	54.0	14.96	AV	50.00	200	Vertical	Pass
4	7553.647	45.24	74.0	28.76	Peak	206.00	400	Vertical	Pass
4**	7553.647	37.07	54.0	16.93	AV	206.00	400	Vertical	Pass
5	12052.490	46.85	74.0	27.15	Peak	165.00	400	Vertical	Pass
5**	12052.490	36.56	54.0	17.44	AV	165.00	400	Vertical	Pass
6	15814.713	49.64	74.0	24.36	Peak	203.00	400	Vertical	Pass
6**	15814.713	40.50	54.0	13.50	AV	203.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1576.547	36.75	74.0	37.25	Peak	213.00	400	Horizontal	Pass
1**	1576.547	26.86	54.0	27.14	AV	213.00	400	Horizontal	Pass
2	4368.381	48.64	74.0	25.36	Peak	180.00	100	Horizontal	Pass
2**	4368.381	38.42	54.0	15.58	AV	180.00	100	Horizontal	Pass
3	4885.748	50.31	74.0	23.70	Peak	301.00	200	Horizontal	Pass
3**	4885.748	38.82	54.0	15.18	AV	301.00	200	Horizontal	Pass
4	7465.861	44.57	74.0	29.43	Peak	171.00	200	Horizontal	Pass
4**	7465.861	35.02	54.0	18.98	AV	171.00	200	Horizontal	Pass
5	12478.945	47.07	74.0	26.93	Peak	127.00	400	Horizontal	Pass
5**	12478.945	38.17	54.0	15.83	AV	127.00	400	Horizontal	Pass
6	16023.113	50.35	74.0	23.65	Peak	82.00	100	Horizontal	Pass
6**	16023.113	40.44	54.0	13.56	AV	82.00	100	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	1451.499	37.07	74.0	36.93	Peak	123.00	100	Vertical	Pass
1**	1451.499	27.02	54.0	26.98	AV	123.00	100	Vertical	Pass
2	3969.399	48.03	74.0	25.97	Peak	233.00	100	Vertical	Pass
2**	3969.399	38.39	54.0	15.61	AV	233.00	100	Vertical	Pass
3	4790.271	49.23	74.0	24.77	Peak	109.00	200	Vertical	Pass
3**	4790.271	39.03	54.0	14.97	AV	109.00	200	Vertical	Pass
4	7547.505	45.31	74.0	28.69	Peak	113.00	300	Vertical	Pass
4**	7547.505	37.08	54.0	16.92	AV	113.00	300	Vertical	Pass
5	12055.447	46.58	74.0	27.42	Peak	23.00	100	Vertical	Pass
5**	12055.447	36.30	54.0	17.70	AV	23.00	100	Vertical	Pass
6	15815.591	49.63	74.0	24.37	Peak	261.00	400	Vertical	Pass
6**	15815.591	40.30	54.0	13.70	AV	261.00	400	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	1582.357	36.58	74.0	37.42	Peak	302.00	300	Horizontal	Pass
1**	1582.357	26.79	54.0	27.21	AV	302.00	300	Horizontal	Pass
2	4370.095	48.38	74.0	25.62	Peak	65.00	300	Horizontal	Pass
2**	4370.095	38.29	54.0	15.72	AV	65.00	300	Horizontal	Pass
3	4886.078	50.20	74.0	23.81	Peak	210.00	200	Horizontal	Pass
3**	4886.078	38.70	54.0	15.30	AV	210.00	200	Horizontal	Pass
4	7459.355	44.43	74.0	29.57	Peak	150.00	300	Horizontal	Pass
4**	7459.355	34.96	54.0	19.04	AV	150.00	300	Horizontal	Pass
5	12483.872	47.09	74.0	26.91	Peak	71.00	300	Horizontal	Pass
5**	12483.872	37.86	54.0	16.14	AV	71.00	300	Horizontal	Pass
6	16022.774	50.24	74.0	23.76	Peak	92.00	400	Horizontal	Pass
6**	16022.774	40.41	54.0	13.59	AV	92.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1456.960	37.09	74.0	36.91	Peak	10.00	100	Vertical	Pass
1**	1456.960	26.79	54.0	27.21	AV	10.00	100	Vertical	Pass
2	3966.776	47.97	74.0	26.03	Peak	187.00	300	Vertical	Pass
2**	3966.776	37.90	54.0	16.10	AV	187.00	300	Vertical	Pass
3	4785.152	49.05	74.0	24.95	Peak	16.00	200	Vertical	Pass
3**	4785.152	38.85	54.0	15.15	AV	16.00	200	Vertical	Pass
4	7550.631	45.19	74.0	28.81	Peak	123.00	200	Vertical	Pass
4**	7550.631	36.93	54.0	17.07	AV	123.00	200	Vertical	Pass
5	12055.847	46.59	74.0	27.41	Peak	13.00	400	Vertical	Pass
5**	12055.847	36.12	54.0	17.88	AV	13.00	400	Vertical	Pass
6	15817.001	49.33	74.0	24.67	Peak	10.00	200	Vertical	Pass
6**	15817.001	40.04	54.0	13.96	AV	10.00	200	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	1579.008	37.45	74.0	36.55	Peak	208.00	300	Horizontal	Pass
1**	1579.008	27.78	54.0	26.22	AV	208.00	300	Horizontal	Pass
2	4366.827	49.17	74.0	24.83	Peak	158.00	100	Horizontal	Pass
2**	4366.827	39.35	54.0	14.65	AV	158.00	100	Horizontal	Pass
3	4890.082	50.94	74.0	23.06	Peak	330.00	200	Horizontal	Pass
3**	4890.082	39.65	54.0	14.35	AV	330.00	200	Horizontal	Pass
4	7461.427	45.30	74.0	28.70	Peak	323.00	200	Horizontal	Pass
4**	7461.427	35.73	54.0	18.27	AV	323.00	200	Horizontal	Pass
5	12477.600	47.81	74.0	26.19	Peak	9.00	200	Horizontal	Pass
5**	12477.600	38.72	54.0	15.28	AV	9.00	200	Horizontal	Pass
6	16024.955	51.18	74.0	22.82	Peak	122.00	400	Horizontal	Pass
6**	16024.955	41.35	54.0	12.65	AV	122.00	400	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	1453.601	37.37	74.0	36.63	Peak	298.00	100	Vertical	Pass
1**	1453.601	27.42	54.0	26.58	AV	298.00	100	Vertical	Pass
2	3969.340	48.51	74.0	25.49	Peak	203.00	300	Vertical	Pass
2**	3969.340	38.69	54.0	15.31	AV	203.00	300	Vertical	Pass
3	4790.198	49.80	74.0	24.20	Peak	359.00	200	Vertical	Pass
3**	4790.198	39.22	54.0	14.78	AV	359.00	200	Vertical	Pass
4	7554.950	45.63	74.0	28.37	Peak	97.00	400	Vertical	Pass
4**	7554.950	37.26	54.0	16.74	AV	97.00	400	Vertical	Pass
5	12051.410	47.42	74.0	26.58	Peak	230.00	400	Vertical	Pass
5**	12051.410	37.19	54.0	16.81	AV	230.00	400	Vertical	Pass
6	15816.522	50.42	74.0	23.58	Peak	150.00	200	Vertical	Pass
6**	15816.522	41.25	54.0	12.75	AV	150.00	200	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	1578.717	37.44	74.0	36.56	Peak	71.00	300	Horizontal	Pass
1**	1578.717	27.38	54.0	26.62	AV	71.00	300	Horizontal	Pass
2	4372.308	48.98	74.0	25.02	Peak	21.00	100	Horizontal	Pass
2**	4372.308	39.03	54.0	14.97	AV	21.00	100	Horizontal	Pass
3	4885.830	50.76	74.0	23.24	Peak	196.00	200	Horizontal	Pass
3**	4885.830	39.15	54.0	14.85	AV	196.00	200	Horizontal	Pass
4	7464.592	45.06	74.0	28.94	Peak	280.00	200	Horizontal	Pass
4**	7464.592	35.61	54.0	18.39	AV	280.00	200	Horizontal	Pass
5	12484.069	47.70	74.0	26.30	Peak	52.00	400	Horizontal	Pass
5**	12484.069	38.71	54.0	15.29	AV	52.00	400	Horizontal	Pass
6	16021.034	51.10	74.0	22.91	Peak	159.00	200	Horizontal	Pass
6**	16021.034	41.18	54.0	12.82	AV	159.00	200	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	1455.158	37.22	74.0	36.78	Peak	102.00	300	Vertical	Pass
1**	1455.158	27.54	54.0	26.46	AV	102.00	300	Vertical	Pass
2	3968.148	48.62	74.0	25.39	Peak	330.00	400	Vertical	Pass
2**	3968.148	38.41	54.0	15.59	AV	330.00	400	Vertical	Pass
3	4784.215	49.62	74.0	24.38	Peak	1.00	200	Vertical	Pass
3**	4784.215	39.33	54.0	14.67	AV	1.00	200	Vertical	Pass
4	7554.698	45.48	74.0	28.52	Peak	55.00	400	Vertical	Pass
4**	7554.698	37.37	54.0	16.63	AV	55.00	400	Vertical	Pass
5	12054.200	47.30	74.0	26.70	Peak	280.00	200	Vertical	Pass
5**	12054.200	36.93	54.0	17.08	AV	280.00	200	Vertical	Pass
6	15813.060	50.19	74.0	23.81	Peak	103.00	300	Vertical	Pass
6**	15813.060	40.98	54.0	13.02	AV	103.00	300	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	1581.527	37.24	74.0	36.76	Peak	209.00	200	Horizontal	Pass
1**	1581.527	27.36	54.0	26.64	AV	209.00	200	Horizontal	Pass
2	4367.473	48.68	74.0	25.32	Peak	140.00	100	Horizontal	Pass
2**	4367.473	38.87	54.0	15.13	AV	140.00	100	Horizontal	Pass
3	4888.426	50.54	74.0	23.46	Peak	300.00	200	Horizontal	Pass
3**	4888.426	39.02	54.0	14.98	AV	300.00	200	Horizontal	Pass
4	7463.524	44.86	74.0	29.14	Peak	32.00	100	Horizontal	Pass
4**	7463.524	35.45	54.0	18.55	AV	32.00	100	Horizontal	Pass
5	12478.950	47.44	74.0	26.56	Peak	272.00	200	Horizontal	Pass
5**	12478.950	38.44	54.0	15.56	AV	272.00	200	Horizontal	Pass
6	16025.281	50.76	74.0	23.24	Peak	95.00	200	Horizontal	Pass
6**	16025.281	41.06	54.0	12.94	AV	95.00	200	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	1452.958	37.27	74.0	36.73	Peak	141.00	400	Vertical	Pass
1**	1452.958	27.31	54.0	26.69	AV	141.00	400	Vertical	Pass
2	3969.069	48.45	74.0	25.55	Peak	262.00	200	Vertical	Pass
2**	3969.069	38.46	54.0	15.54	AV	262.00	200	Vertical	Pass
3	4789.227	49.51	74.0	24.49	Peak	6.00	200	Vertical	Pass
3**	4789.227	39.04	54.0	14.96	AV	6.00	200	Vertical	Pass
4	7550.336	45.45	74.0	28.55	Peak	237.00	200	Vertical	Pass
4**	7550.336	37.33	54.0	16.67	AV	237.00	200	Vertical	Pass
5	12049.035	47.07	74.0	26.93	Peak	163.00	200	Vertical	Pass
5**	12049.035	36.76	54.0	17.24	AV	163.00	200	Vertical	Pass
6	15813.753	49.97	74.0	24.03	Peak	246.00	300	Vertical	Pass
6**	15813.753	40.99	54.0	13.01	AV	246.00	300	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	1579.334	36.95	74.0	37.05	Peak	200.00	400	Horizontal	Pass
1**	1579.334	27.03	54.0	26.97	AV	200.00	400	Horizontal	Pass
2	4372.504	48.67	74.0	25.33	Peak	157.00	400	Horizontal	Pass
2**	4372.504	38.70	54.0	15.30	AV	157.00	400	Horizontal	Pass
3	4887.387	50.26	74.0	23.74	Peak	314.00	200	Horizontal	Pass
3**	4887.387	38.90	54.0	15.10	AV	314.00	200	Horizontal	Pass
4	7462.648	44.73	74.0	29.27	Peak	280.00	400	Horizontal	Pass
4**	7462.648	35.16	54.0	18.84	AV	280.00	400	Horizontal	Pass
5	12479.463	47.28	74.0	26.72	Peak	44.00	300	Horizontal	Pass
5**	12479.463	38.17	54.0	15.83	AV	44.00	300	Horizontal	Pass
6	16027.258	50.61	74.0	23.40	Peak	169.00	300	Horizontal	Pass
6**	16027.258	40.86	54.0	13.14	AV	169.00	300	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	1449.588	36.99	74.0	37.01	Peak	351.00	100	Vertical	Pass
1**	1449.588	27.20	54.0	26.80	AV	351.00	100	Vertical	Pass
2	3972.980	48.35	74.0	25.65	Peak	64.00	200	Vertical	Pass
2**	3972.980	38.51	54.0	15.49	AV	64.00	200	Vertical	Pass
3	4785.624	49.32	74.0	24.68	Peak	272.00	200	Vertical	Pass
3**	4785.624	39.12	54.0	14.88	AV	272.00	200	Vertical	Pass
4	7553.674	45.39	74.0	28.61	Peak	10.00	200	Vertical	Pass
4**	7553.674	37.19	54.0	16.81	AV	10.00	200	Vertical	Pass
5	12055.805	46.93	74.0	27.08	Peak	324.00	100	Vertical	Pass
5**	12055.805	36.61	54.0	17.39	AV	324.00	100	Vertical	Pass
6	15820.449	49.74	74.0	24.26	Peak	3.00	200	Vertical	Pass
6**	15820.449	40.59	54.0	13.41	AV	3.00	200	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	1581.694	36.74	74.0	37.26	Peak	357.00	200	Horizontal	Pass
1**	1581.694	26.76	54.0	27.25	AV	357.00	200	Horizontal	Pass
2	4372.274	48.44	74.0	25.56	Peak	327.00	400	Horizontal	Pass
2**	4372.274	38.18	54.0	15.82	AV	327.00	400	Horizontal	Pass
3	4885.031	50.21	74.0	23.79	Peak	264.00	200	Horizontal	Pass
3**	4885.031	38.73	54.0	15.27	AV	264.00	200	Horizontal	Pass
4	7462.879	44.55	74.0	29.46	Peak	275.00	100	Horizontal	Pass
4**	7462.879	35.24	54.0	18.76	AV	275.00	100	Horizontal	Pass
5	12483.076	47.08	74.0	26.92	Peak	204.00	300	Horizontal	Pass
5**	12483.076	37.93	54.0	16.07	AV	204.00	300	Horizontal	Pass
6	16021.466	50.34	74.0	23.67	Peak	226.00	100	Horizontal	Pass
6**	16021.466	40.49	54.0	13.51	AV	226.00	100	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	1451.861	37.07	74.0	36.93	Peak	210.00	400	Vertical	Pass
1**	1451.861	26.87	54.0	27.13	AV	210.00	400	Vertical	Pass
2	3970.778	47.89	74.0	26.11	Peak	54.00	400	Vertical	Pass
2**	3970.778	38.38	54.0	15.62	AV	54.00	400	Vertical	Pass
3	4785.013	49.31	74.0	24.69	Peak	319.00	200	Vertical	Pass
3**	4785.013	39.02	54.0	14.98	AV	319.00	200	Vertical	Pass
4	7550.168	45.30	74.0	28.70	Peak	26.00	200	Vertical	Pass
4**	7550.168	37.01	54.0	16.99	AV	26.00	200	Vertical	Pass
5	12055.433	46.68	74.0	27.32	Peak	288.00	200	Vertical	Pass
5**	12055.433	36.17	54.0	17.83	AV	288.00	200	Vertical	Pass
6	15815.782	49.59	74.0	24.41	Peak	263.00	400	Vertical	Pass
6**	15815.782	40.41	54.0	13.59	AV	263.00	400	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

Test Band	Mode	Channel	Verdict
U-NII-3	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ax(HE20)(SU)	Low	Pass
		High	Pass
	802.11ax(HE40)(SU)	Low	Pass
		High	Pass

Note ¹: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note ²: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

Note ³: The RSE Plot only shows the worst-case scenario, while all other data are presented in tabular form.

Test Data and Plots

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	5638.047	54.34	68.2	13.86	Peak	23.00	300	Horizontal	Pass
2	5650.000	53.52	68.2	14.68	Peak	23.00	300	Horizontal	Pass

U-NII-3 11a High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	52.22	68.3	16.09	Peak	129.00	200	Horizontal	Pass
2	5942.729	54.69	68.2	13.51	Peak	277.00	200	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	5635.739	55.104	68.2	13.10	Peak	170.00	200	Horizontal	Pass
2	5650.000	54.34	68.2	13.86	Peak	170.00	200	Horizontal	Pass

U-NII-3 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	52.015	68.3	16.29	Peak	261.00	100	Horizontal	Pass
2	5945.139	52.498	68.2	15.70	Peak	167.00	200	Horizontal	Pass

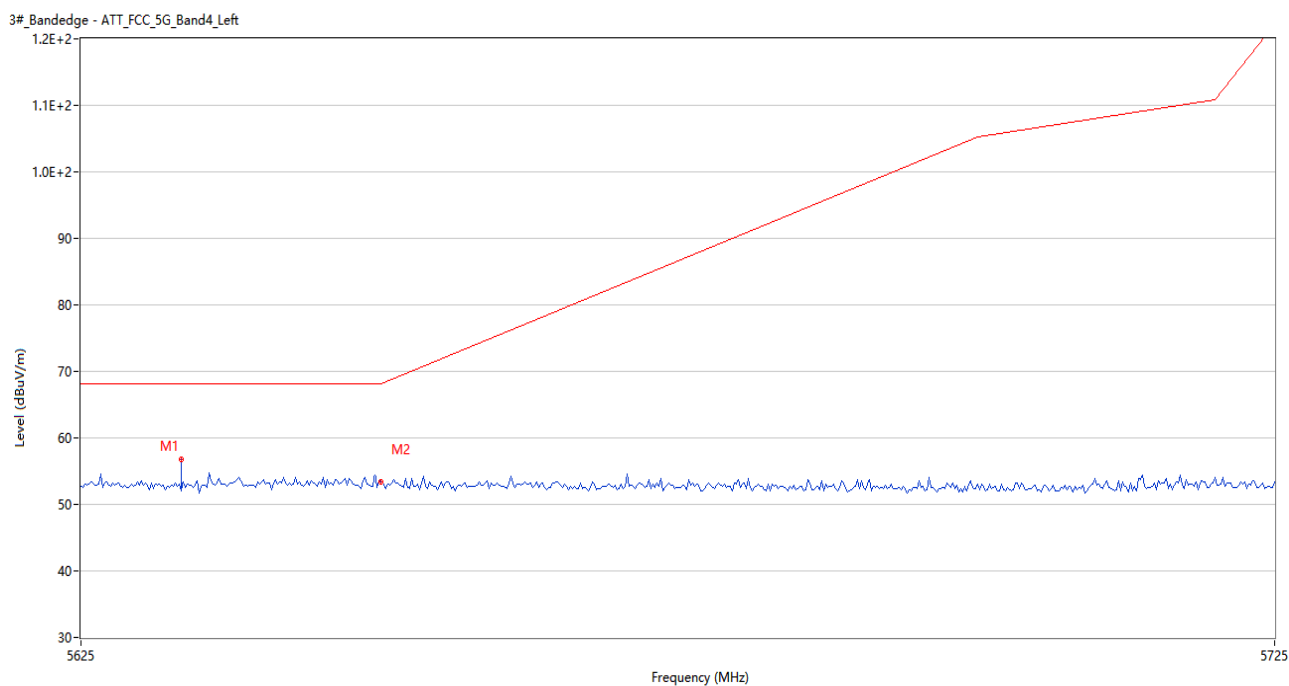
U-NII-3 11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5633.230	56.104	68.2	12.10	Peak	348.00	300	Horizontal	Pass
2	5650.000	52.27	68.2	15.93	Peak	348.00	300	Horizontal	Pass

U-NII-3 11n40 High Channel

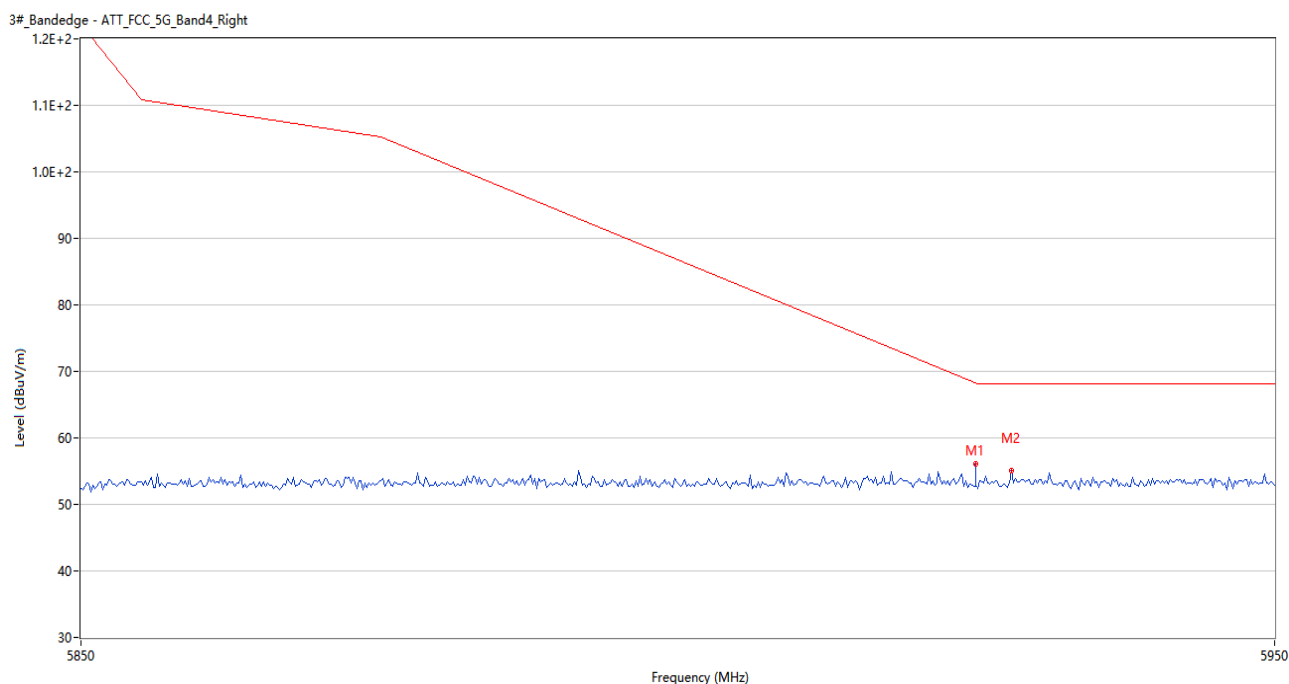
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	52.685	68.3	15.62	Peak	180.00	200	Horizontal	Pass
2	5945.942	50.628	68.2	17.57	Peak	21.00	100	Horizontal	Pass

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	5632.088	56.944	68.2	11.26	Peak	33.00	200	Horizontal	Pass
2	5650.000	49.32	68.2	18.88	Peak	33.00	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	51.365	68.3	16.94	Peak	42.00	100	Horizontal	Pass
2	5946.854	51.068	68.2	17.13	Peak	190.00	300	Horizontal	Pass

U-NII-3 11ac40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5631.246	55.384	68.2	12.82	Peak	73.00	100	Horizontal	Pass
2	5650.000	49.14	68.2	19.06	Peak	73.00	100	Horizontal	Pass

U-NII-3 11ac40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	48.805	68.3	19.50	Peak	220.00	200	Horizontal	Pass
2	5947.627	49.628	68.2	18.57	Peak	254.00	100	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	5625.286	51.934	68.2	16.27	Peak	159.00	100	Horizontal	Pass
2	5650.000	48.69	68.2	19.51	Peak	159.00	100	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	43.805	68.3	24.50	Peak	75.00	300	Horizontal	Pass
2	5951.503	49.698	68.2	18.50	Peak	319.00	300	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	5623.060	50.994	68.2	17.21	Peak	106.00	100	Horizontal	Pass
2	5650.000	45.96	68.2	22.24	Peak	106.00	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	44.125	68.3	24.18	Peak	214.00	300	Horizontal	Pass
2	5954.223	48.868	68.2	19.33	Peak	38.00	200	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2680004-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2680004-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2680004-AI.PDF”.

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