

TEST REPORT

Applicant: Quectel Wireless Solutions Company Limited
Address: No. 8 Waipojing Road, Sijing Town Songjiang District, Shanghai city, China
Equipment Type: Wi-Fi & Bluetooth Module
Model Name: FCS960K
Brand Name: Seeed Studio
FCC ID: XMR2023FCS960K
Test Standard: 47 CFR Part 15 Subpart E (refer to section 3.1)
Sample Arrival Date: May 06, 2026
Test Date: Jun. 08, 2026 - Jul. 30, 2026
Date of Issue: Aug. 28, 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>Aug. 28, 2026</u>	<u>Initial Issue</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.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Quectel Wireless Solutions Company Limited
Address	No. 8 Waipojing Road, Sijing Town Songjiang District, Shanghai city, China

2.2 Manufacturer Information

Manufacturer	Quectel Wireless Solutions Company Limited
Address	No. 8 Waipojing Road, Sijing Town Songjiang District, Shanghai city, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Wi-Fi & Bluetooth Module
Model Name Under Test	FCS960K
Hardware Version	R1.0
Software Version	NA
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n, 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
Modulation technology	OFDM
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 600 Mbps
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz, 80 MHz 802.11ax: 20 MHz, 40 MHz, 80 MHz
Maximum Output Power	U-NII-1: 39.17 mW U-NII-3: 41.21 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: 0.47 dBi U-NII-3: 5725 MHz to 5850 MHz: 1.48 dBi
About the Product	The equipment is Wi-Fi & Bluetooth Module, 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	√	--	--	--	--	--
802.11ax80	√	--	--	--	--	--

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

2.5 Channel List

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

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

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

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

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

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

For 802.11ac(VHT80)/ax(HE80)

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

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

Test Items	Mode	Data Rate	Modulation Type	U-NII-1	U-NII-3
				Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
	11ax(20 MHz)	8.6		48/44/36	165/157/149
	11ax(40 MHz)	17.2		46/38	159/151
	11ax(80 MHz)	36.0		42	155
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
	11ax(20 MHz)	8.6		48/44/36	165/157/149
	11ax(40 MHz)	17.2		46/38	159/151
	11ax(80 MHz)	36.0		42	155
6 dB bandwidth	11a	6	BPSK	N/A	165/157/149
	11n(20 MHz)	6.5		N/A	165/157/149
	11n(40 MHz)	13.5		N/A	159/151
	11ac(20 MHz)	6.5		N/A	165/157/149
	11ac(40 MHz)	13.5		N/A	159/151
	11ac(80 MHz)	29.3		N/A	155
	11ax(20 MHz)	8.6		N/A	165/157/149
	11ax(40 MHz)	17.2		N/A	159/151
	11ax(80 MHz)	36.0		N/A	155
Power Spectral Density	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
	11ax(20 MHz)	8.6		48/44/36	165/157/149
	11ax(40 MHz)	17.2		46/38	159/151
	11ax(80 MHz)	36.0		42	155
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149

	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
	11ax(20 MHz)	8.6		48/44/36	165/157/149
	11ax(40 MHz)	17.2		46/38	159/151
	11ax(80 MHz)	36.0		42	155
Band Edge (Restricted- band)	11a	6	BPSK	48/36	165/149
	11n(20 MHz)	6.5		48/36	165/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/36	165/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
	11ax(20 MHz)	8.6		48/36	165/149
	11ax(40 MHz)	17.2		46/38	159/151
	11ax(80 MHz)	36.0		42	155

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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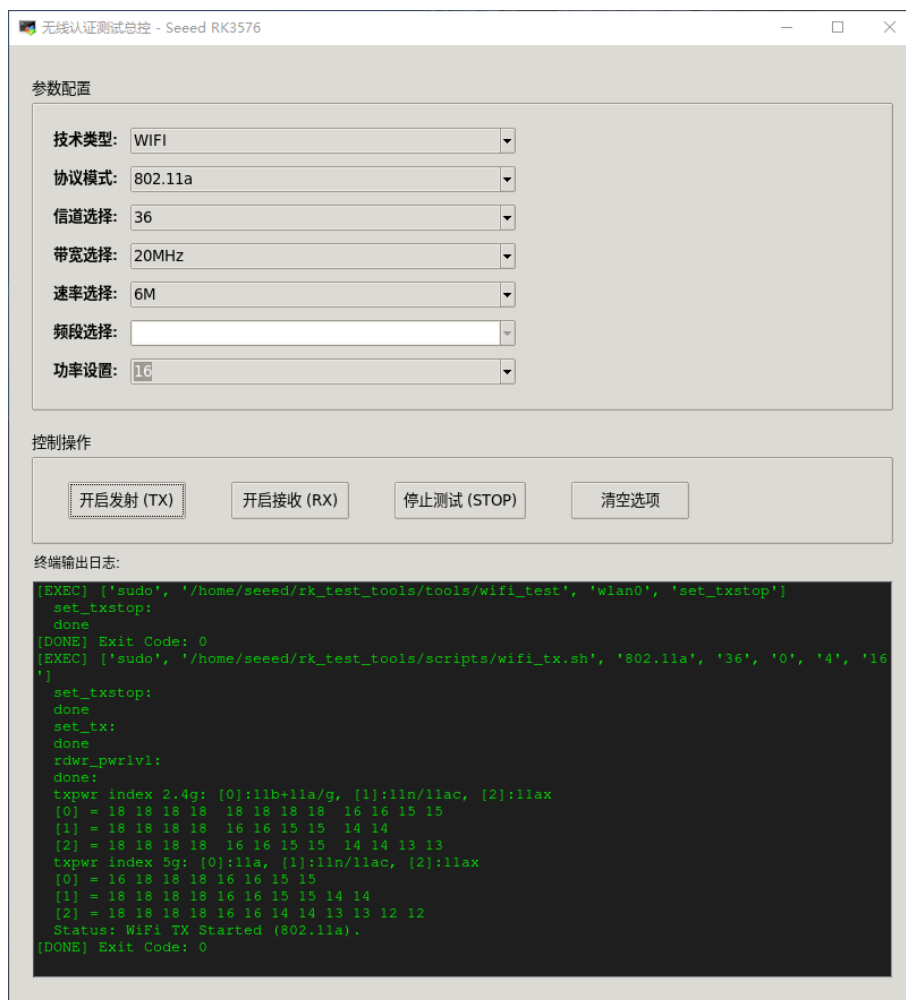
During testing. Channel and Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

Power level setup in software			
Test Software Version	Engineer Mode		
Support Units (Software installation media)	Description	Manufacturer	Model
	/	/	/

U-NII-1 (5150 - 5250 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH36	5180	16
11a	CH44	5220	17
11a	CH48	5240	17
11n(HT20)	CH36	5180	17
11n(HT20)	CH44	5220	17
11n(HT20)	CH48	5240	17
11n(HT40)	CH38	5190	13
11n(HT40)	CH46	5230	16
11ac(VHT20)	CH36	5180	17
11ac(VHT20)	CH44	5220	17
11ac(VHT20)	CH48	5240	17
11ac(VHT40)	CH38	5190	13
11ac(VHT40)	CH46	5230	16
11ac(VHT80)	CH42	5210	13
11ax(HE20)(SU)	CH36	5180	17
11ax(HE20)(SU)	CH44	5220	17
11ax(HE20)(SU)	CH48	5240	17
11ax(HE40)(SU)	CH38	5190	13
11ax(HE40)(SU)	CH46	5230	16
11ax(HE80)(SU)	CH42	5210	12

U-NII-3 (5725 - 5850 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH149	5745	15
11a	CH157	5785	16
11a	CH165	5825	14
11n(HT20)	CH149	5745	14
11n(HT20)	CH157	5785	16
11n(HT20)	CH165	5825	17
11n(HT40)	CH151	5755	14
11n(HT40)	CH159	5795	15
11ac(VHT20)	CH149	5745	14
11ac(VHT20)	CH157	5785	16
11ac(VHT20)	CH165	5825	17
11ac(VHT40)	CH151	5755	14
11ac(VHT40)	CH159	5795	15
11ac(VHT80)	CH155	5775	13
11ax(HE20)(SU)	CH149	5745	15
11ax(HE20)(SU)	CH157	5785	16
11ax(HE20)(SU)	CH165	5825	18
11ax(HE40)(SU)	CH151	5755	13
11ax(HE40)(SU)	CH159	5795	14
11ax(HE80)(SU)	CH155	5775	13

Run Software:



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	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	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E

3.2 Test Verdict

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

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

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

Note 3: Compared with the EUT of test report FR351903D, the EUT of this report shows different things as below:

1. The ANSI C63.10-2013 standard has been updated to: ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024;
2. Disable 5G WIFI B2/B3 frequency bands through software;
3. Add an FPC antenna.

Other hardware circuit and software are the same as EUT referred to in test report FR351903D.

Therefore, tested all test items, EUT information are derived from the report FR351903D published by Sporton International Inc. (Kunshan) on Aug. 30, 2023.

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)	+20.2℃ to +25.3℃
Working Voltage of the EUT	NV (Normal Voltage)	12 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	MY56060183	2026.06.01	2027.05.31
Signaling Unit	ROHDE&SCHWARZ	CMW500	171150	2026.03.24	2027.03.23
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2025.10.30	2026.10.29
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
EMI Receiver	ROHDE&SCHWARZ	ESR7	103027	2025.10.30	2026.10.29
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22
Amplifier (30MHz-1GHz)	COM-MV	ZT30-1000M	B2018054558	2025.11.26	2026.11.25
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	883	2025.03.23	2028.03.22
Anechoic Chamber(10m#2)	YiHeng	21m*11m*8m	101-1	2025.10.16	2028.10.15
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2025.09.25	2026.09.24
LISN	SCHWARZBECK	NSLK 8127	8127-687	2026.03.25	2027.03.24
ISN	TESEQ	ISN T800	34449	2025.10.20	2026.10.19
ISN	TESEQ	ISN T8-Cat6	53561	2026.05.29	2027.05.28
Shielded Room	Chang Chuang	4m*4m*3m	662	2025.10.12	2028.10.11

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%

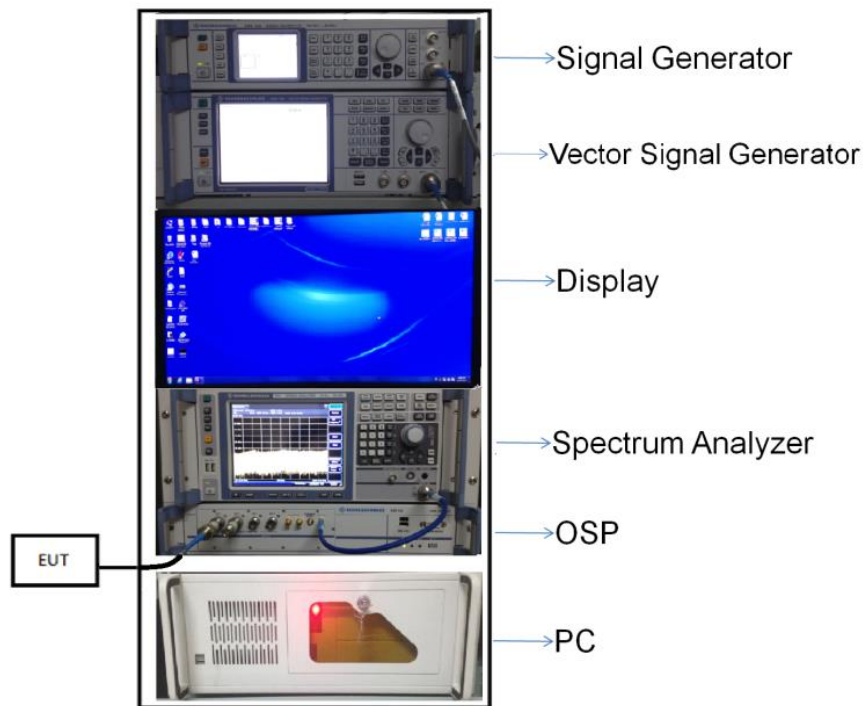
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

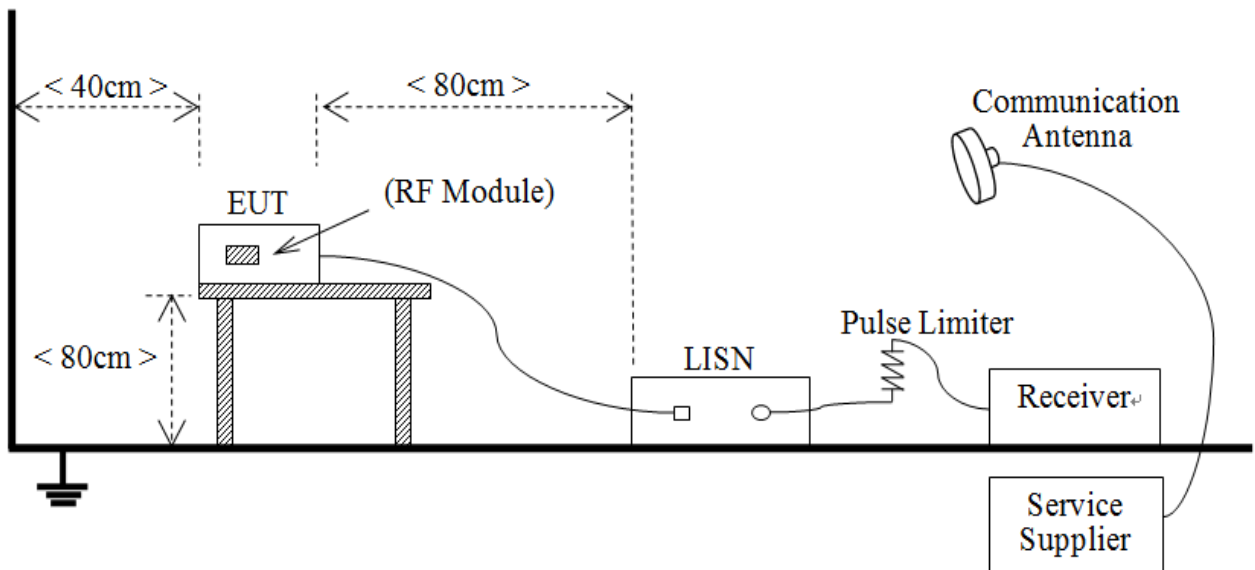
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



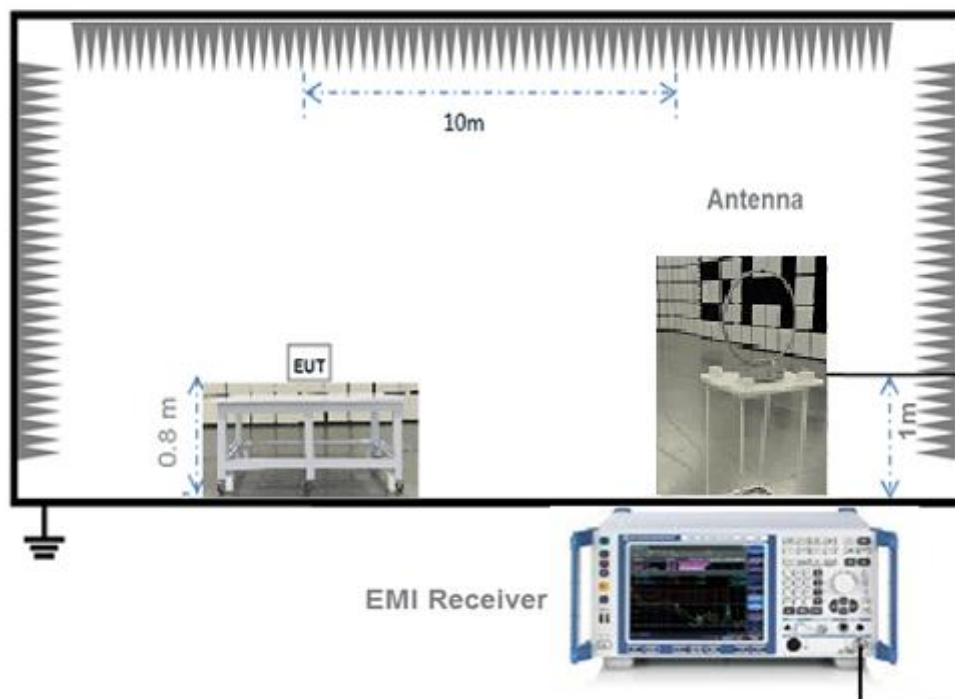
(Diagram 1)

4.5.2 For AC Power Supply Port Test



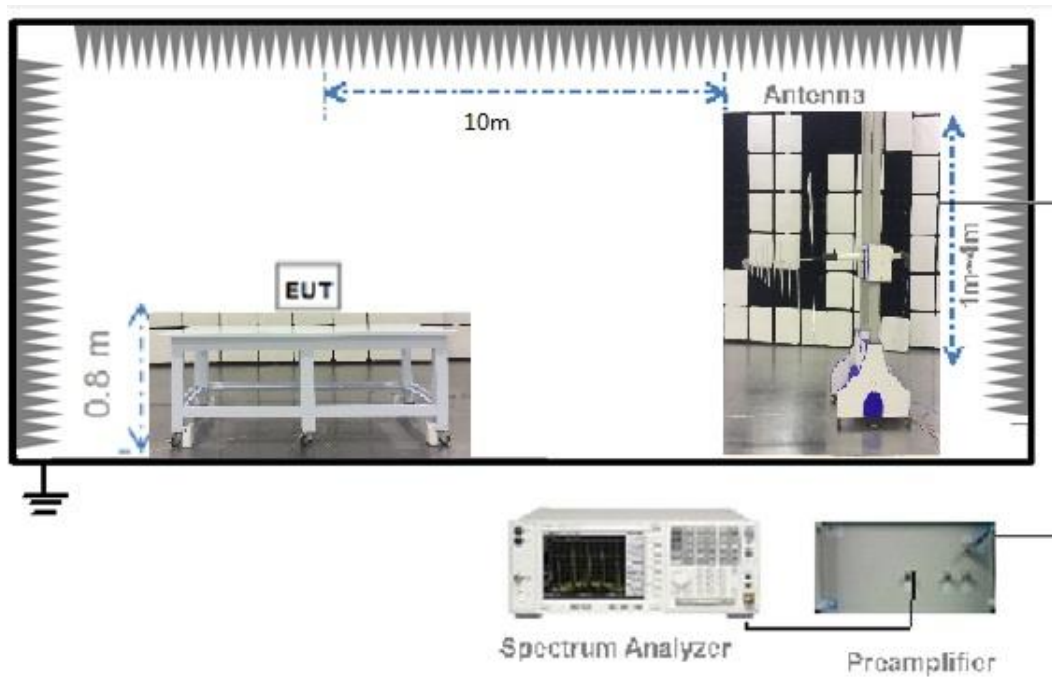
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



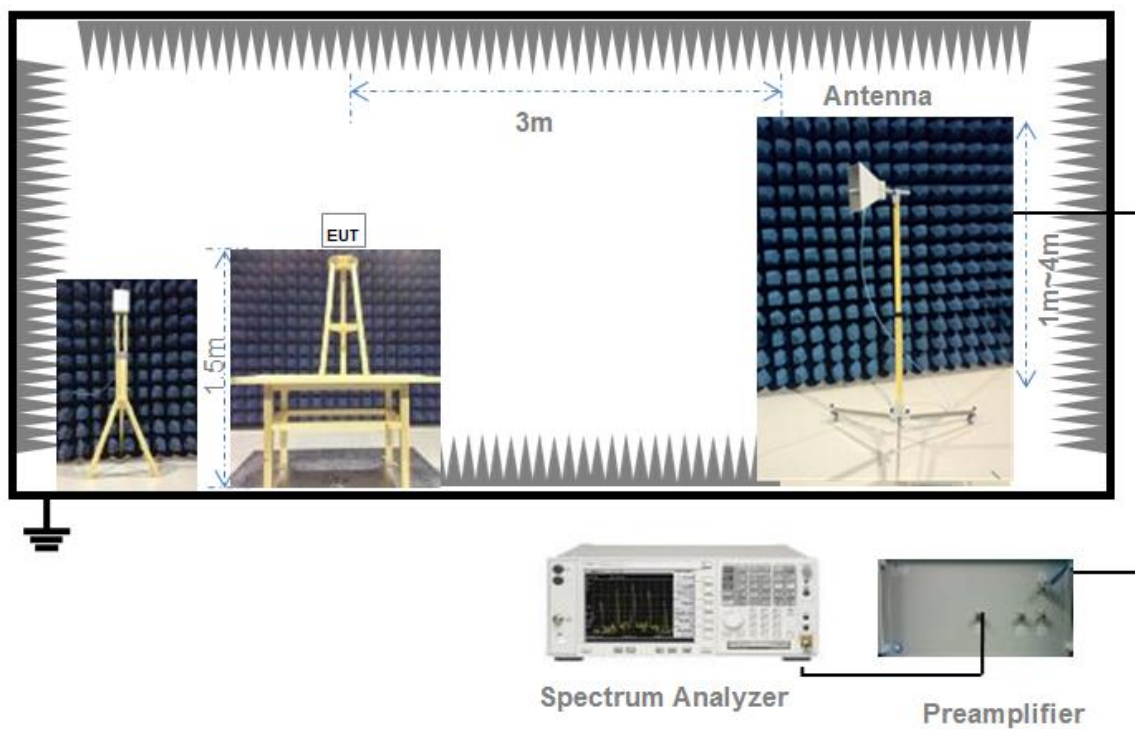
(Diagram 3)

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.z	

5.1.2 Test Setup

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

5.1.3 Test Procedure

Maximum conducted (average) output power

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

- 1) The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
- 2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.
- 3) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.

b) If the transmitter does not transmit continuously, measure the duty cycle (x) of the transmitter output signal.

c) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.

d) Adjust the measurement in dBm by adding 10 log (1/x) where x is the duty cycle.

Measurements of duty cycle

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

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

Set RBW ≥ OBW if possible; otherwise, set RBW to the largest available value.

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

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

The E.I.R.P used radiated test method. At a test site that has been validated using the procedures of ANSI C63.10-2020 + 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)

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

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 $\geq 2 \times \text{span} / \text{RBW}$. (This ensures that bin-to-bin spacing is $\leq \text{RBW}/2$, 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.
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 $10 \log (1/0.25) = 6 \text{ dB}$ 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

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

5.5.1 Limit

FCC §15.209 & 15.407(b)

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

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

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

5.5.2 Test Setup

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

5.5.3 Test Procedure

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

- Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- Add the 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)
- 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 ($f_{\text{emission}} \pm 0.5 \text{ MHz}$). 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 $f_{\text{emission}} \pm 0.5 \text{ MHz}$.

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 (f_{emission}) ± 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 f_{emission} ± 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: For FCC standard, if transmitting antennas of directional gain greater than 6 dBi are used, all band maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	1.39	1.62	86.08%	0.65
11n(HT20)/11ac(VHT20)	5.08	5.31	95.65%	0.19
11n(HT40)/11ac(VHT40)	4.89	5.12	95.49%	0.20
11ac(VHT80)	4.52	4.75	95.20%	0.21
11ax(HE20)	3.87	4.10	94.51%	0.25
11ax(HE40)	3.87	4.09	94.52%	0.24
11ax(HE80)	3.69	3.92	94.13%	0.26

Test DataConducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	15.16	32.81	250	Pass
11a	CH44	15.93	39.17	250	Pass
11a	CH48	15.87	38.64	250	Pass
11n(HT20)	CH36	15.72	37.33	250	Pass
11n(HT20)	CH44	15.68	36.98	250	Pass
11n(HT20)	CH48	15.61	36.39	250	Pass
11n(HT40)	CH38	12.91	19.54	250	Pass
11n(HT40)	CH46	14.44	27.80	250	Pass
11ac(VHT20)	CH36	15.78	37.84	250	Pass
11ac(VHT20)	CH44	15.70	37.15	250	Pass
11ac(VHT20)	CH48	15.67	36.90	250	Pass
11ac(VHT40)	CH38	12.78	18.97	250	Pass
11ac(VHT40)	CH46	14.43	27.73	250	Pass
11ac(VHT80)	CH42	12.44	17.54	250	Pass
11ax(HE20)(SU)	CH36	15.62	36.48	250	Pass
11ax(HE20)(SU)	CH44	15.48	35.32	250	Pass
11ax(HE20)(SU)	CH48	15.43	34.91	250	Pass
11ax(HE40)(SU)	CH38	12.77	18.92	250	Pass
11ax(HE40)(SU)	CH46	14.30	26.92	250	Pass
11ax(HE80)(SU)	CH42	12.83	19.19	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	16.15	41.21	1000	Pass
11a	CH157	16.01	39.90	1000	Pass
11a	CH165	15.21	33.19	1000	Pass
11n(HT20)	CH149	15.33	34.12	1000	Pass
11n(HT20)	CH157	16.01	39.90	1000	Pass
11n(HT20)	CH165	15.23	33.34	1000	Pass
11n(HT40)	CH151	15.03	31.84	1000	Pass
11n(HT40)	CH159	14.65	29.17	1000	Pass
11ac(VHT20)	CH149	15.24	33.42	1000	Pass
11ac(VHT20)	CH157	15.96	39.45	1000	Pass
11ac(VHT20)	CH165	15.20	33.11	1000	Pass
11ac(VHT40)	CH151	15.02	31.77	1000	Pass
11ac(VHT40)	CH159	14.64	29.11	1000	Pass
11ac(VHT80)	CH155	13.39	21.83	1000	Pass
11ax(HE20)(SU)	CH149	16.13	41.02	1000	Pass
11ax(HE20)(SU)	CH157	15.88	38.73	1000	Pass
11ax(HE20)(SU)	CH165	16.01	39.90	1000	Pass
11ax(HE40)(SU)	CH151	13.86	24.32	1000	Pass
11ax(HE40)(SU)	CH159	13.50	22.39	1000	Pass
11ax(HE80)(SU)	CH155	13.19	20.84	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: Ti-EE26050405-604 Data Part 1.pdf".

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	26.08	17.06
11a	CH44	25.38	17.00
11a	CH48	25.31	17.07
11n(HT20)	CH36	26.81	18.26
11n(HT20)	CH44	27.45	18.26
11n(HT20)	CH48	27.48	18.30
11n(HT40)	CH38	47.88	36.96
11n(HT40)	CH46	47.55	36.98
11ac(VHT20)	CH36	26.92	18.28
11ac(VHT20)	CH44	26.65	18.24
11ac(VHT20)	CH48	26.31	18.29
11ac(VHT40)	CH38	46.42	37.04
11ac(VHT40)	CH46	47.12	36.98
11ac(VHT80)	CH42	88.67	76.18
11ax(HE20)(SU)	CH36	27.13	19.26
11ax(HE20)(SU)	CH44	26.44	19.32
11ax(HE20)(SU)	CH48	27.26	19.24
11ax(HE40)(SU)	CH38	46.69	38.07
11ax(HE40)(SU)	CH46	47.31	38.10
11ax(HE80)(SU)	CH42	88.16	77.68

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	26.96	17.22
11a	CH157	29.05	17.20
11a	CH165	28.95	17.30
11n(HT20)	CH149	29.47	18.51
11n(HT20)	CH157	27.42	18.47
11n(HT20)	CH165	28.25	18.52
11n(HT40)	CH151	49.22	37.31
11n(HT40)	CH159	57.27	37.43
11ac(VHT20)	CH149	28.85	18.51
11ac(VHT20)	CH157	27.55	18.50
11ac(VHT20)	CH165	29.81	18.52
11ac(VHT40)	CH151	48.81	37.27
11ac(VHT40)	CH159	51.43	37.37
11ac(VHT80)	CH155	100.00	76.60
11ax(HE20)(SU)	CH149	26.72	19.45
11ax(HE20)(SU)	CH157	29.29	19.46
11ax(HE20)(SU)	CH165	30.69	19.46
11ax(HE40)(SU)	CH151	47.96	38.30
11ax(HE40)(SU)	CH159	49.52	38.37
11ax(HE80)(SU)	CH155	89.14	77.99

A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: Ti-EE26050405-604 Data Part 2.pdf”.

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.60	500.00	Pass
11a	CH157	16.80	500.00	Pass
11a	CH165	16.50	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	17.80	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
11ac(VHT80)	CH155	75.90	500.00	Pass
11ax(HE20)(SU)	CH149	19.30	500.00	Pass
11ax(HE20)(SU)	CH157	19.20	500.00	Pass
11ax(HE20)(SU)	CH165	19.10	500.00	Pass
11ax(HE40)(SU)	CH151	38.10	500.00	Pass
11ax(HE40)(SU)	CH159	38.20	500.00	Pass
11ax(HE80)(SU)	CH155	77.90	500.00	Pass

A.4 Power Spectral Density

Note: Test plots please refer to the document “Annex No.: Ti-EE26050405-604 Data Part 3.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)						
Mode	Channel	Measured PSD (dBm/MHz)	Duty Factor	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	3.12	0.65	3.77	11.00	Pass
11a	CH44	3.87	0.65	4.52	11.00	Pass
11a	CH48	3.86	0.65	4.51	11.00	Pass
11n(HT20)	CH36	3.99	0.19	4.18	11.00	Pass
11n(HT20)	CH44	3.85	0.19	4.05	11.00	Pass
11n(HT20)	CH48	3.96	0.19	4.15	11.00	Pass
11n(HT40)	CH38	-1.83	0.20	-1.63	11.00	Pass
11n(HT40)	CH46	-0.30	0.20	-0.10	11.00	Pass
11ac(VHT20)	CH36	3.99	0.19	4.18	11.00	Pass
11ac(VHT20)	CH44	3.91	0.19	4.10	11.00	Pass
11ac(VHT20)	CH48	3.92	0.19	4.11	11.00	Pass
11ac(VHT40)	CH38	-1.98	0.20	-1.78	11.00	Pass
11ac(VHT40)	CH46	-0.29	0.20	-0.09	11.00	Pass
11ac(VHT80)	CH42	-5.48	0.21	-5.26	11.00	Pass
11ax(HE20)(SU)	CH36	3.44	0.25	3.68	11.00	Pass
11ax(HE20)(SU)	CH44	3.37	0.25	3.61	11.00	Pass
11ax(HE20)(SU)	CH48	3.25	0.25	3.50	11.00	Pass
11ax(HE40)(SU)	CH38	-2.32	0.24	-2.08	11.00	Pass
11ax(HE40)(SU)	CH46	-0.80	0.24	-0.55	11.00	Pass
11ax(HE80)(SU)	CH42	-5.31	0.26	-5.04	11.00	Pass

U-NII-3 (5725 - 5850 MHz)						
Mode	Channel	Measured PSD (dBm/500kHz)	Duty Factor	PSD (dBm/500kHz)	FCC Limit (dBm/500kHz)	Verdict
11a	CH149	1.09	0.65	1.74	30.00	Pass
11a	CH157	0.95	0.65	1.60	30.00	Pass
11a	CH165	-0.18	0.65	0.47	30.00	Pass
11n(HT20)	CH149	0.22	0.19	0.41	30.00	Pass
11n(HT20)	CH157	1.00	0.19	1.19	30.00	Pass
11n(HT20)	CH165	0.45	0.19	0.65	30.00	Pass
11n(HT40)	CH151	-3.03	0.20	-2.83	30.00	Pass
11n(HT40)	CH159	-3.08	0.20	-2.88	30.00	Pass
11ac(VHT20)	CH149	0.15	0.19	0.35	30.00	Pass
11ac(VHT20)	CH157	1.01	0.19	1.20	30.00	Pass
11ac(VHT20)	CH165	0.42	0.19	0.62	30.00	Pass
11ac(VHT40)	CH151	-2.93	0.20	-2.73	30.00	Pass
11ac(VHT40)	CH159	-3.10	0.20	-2.90	30.00	Pass
11ac(VHT80)	CH155	-7.23	0.21	-7.02	30.00	Pass
11ax(HE20)(SU)	CH149	0.45	0.25	0.70	30.00	Pass
11ax(HE20)(SU)	CH157	0.41	0.25	0.65	30.00	Pass
11ax(HE20)(SU)	CH165	0.82	0.25	1.06	30.00	Pass
11ax(HE40)(SU)	CH151	-4.52	0.24	-4.27	30.00	Pass
11ax(HE40)(SU)	CH159	-4.56	0.24	-4.31	30.00	Pass
11ax(HE80)(SU)	CH155	-7.74	0.26	-7.48	30.00	Pass

A.5 Conducted Emissions

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

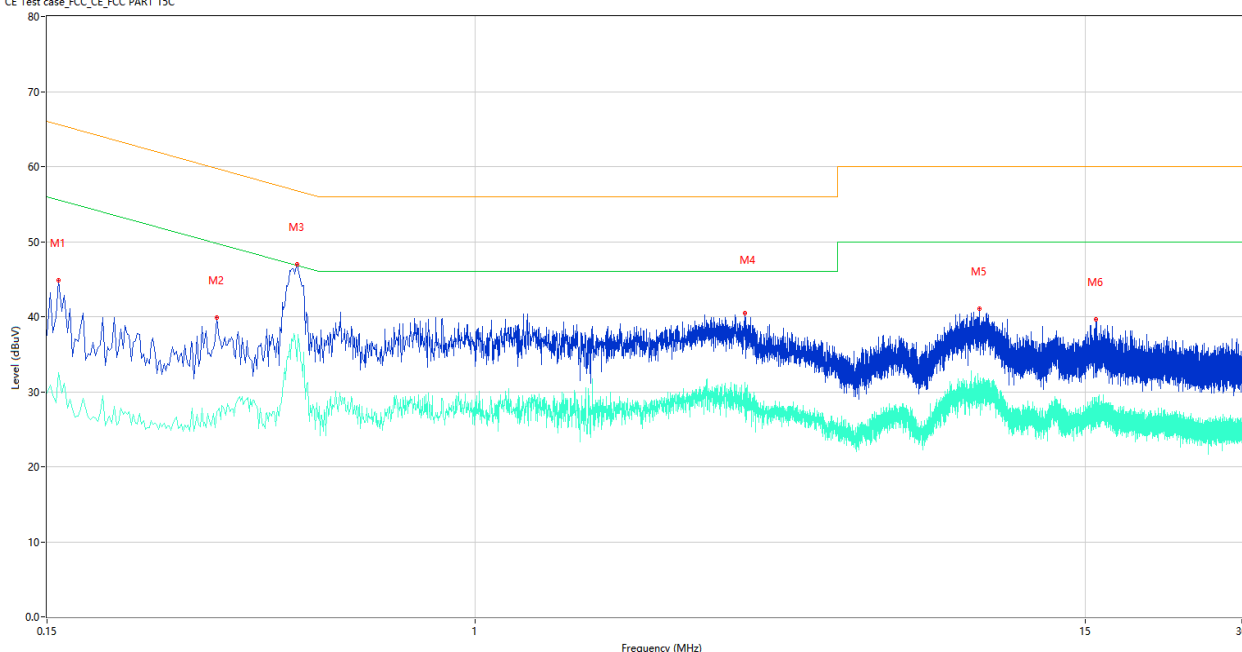
Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

Note³: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

PHASE L

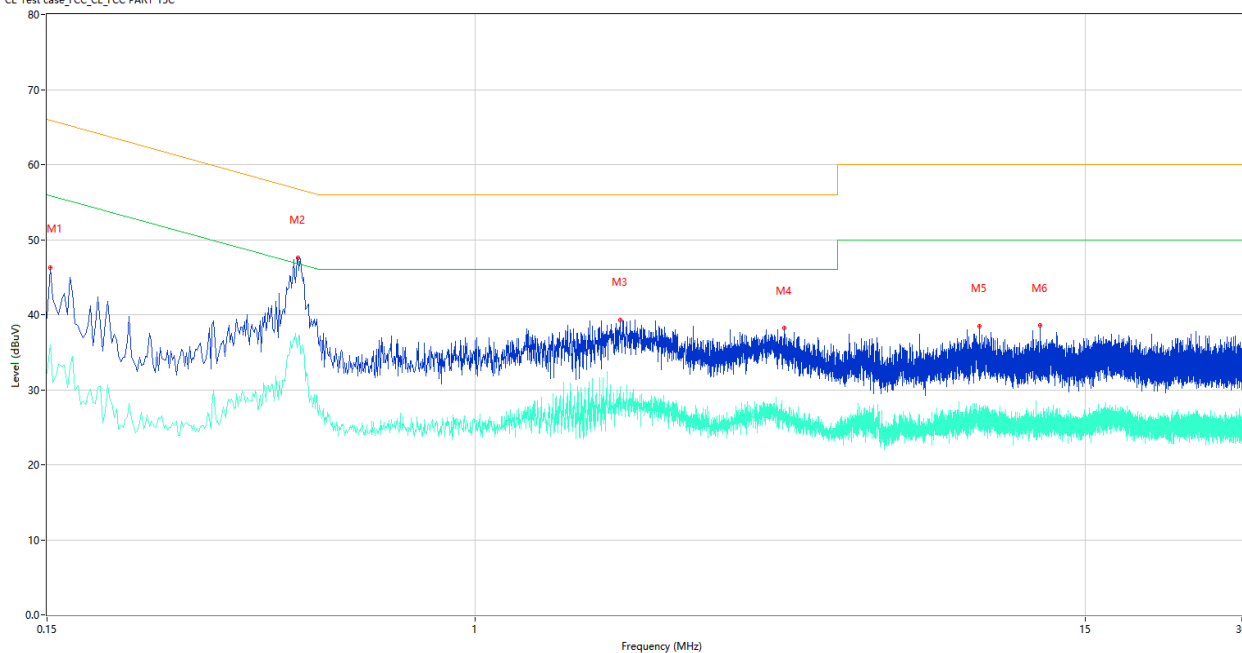
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.158	44.84	9.77	65.57	20.73	Peak	L	Pass
1**	0.158	32.50	9.77	55.57	23.07	AV	L	Pass
2	0.318	39.87	10.10	59.76	19.89	Peak	L	Pass
2**	0.318	27.29	10.10	49.76	22.47	AV	L	Pass
3	0.454	46.94	10.01	56.80	9.86	Peak	L	Pass
3**	0.454	34.08	10.01	46.80	12.72	AV	L	Pass
4	3.310	40.48	10.33	56.00	15.52	Peak	L	Pass
4**	3.310	29.55	10.33	46.00	16.45	AV	L	Pass
5	9.374	41.09	10.23	60.00	18.91	Peak	L	Pass
5**	9.374	29.32	10.23	50.00	20.68	AV	L	Pass
6	15.688	39.66	10.61	60.00	20.34	Peak	L	Pass
6**	15.688	27.23	10.61	50.00	22.77	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	0.152	46.22	9.77	65.89	19.67	Peak	N	Pass
1**	0.152	35.94	9.77	55.89	19.95	AV	N	Pass
2	0.456	47.61	10.00	56.77	9.16	Peak	N	Pass
2**	0.456	35.94	10.00	46.77	10.83	AV	N	Pass
3	1.906	39.33	10.64	56.00	16.67	Peak	N	Pass
3**	1.906	30.38	10.64	46.00	15.62	AV	N	Pass
4	3.950	38.20	10.04	56.00	17.80	Peak	N	Pass
4**	3.950	26.80	10.04	46.00	19.20	AV	N	Pass
5	9.380	38.50	10.22	60.00	21.50	Peak	N	Pass
5**	9.380	26.95	10.22	50.00	23.05	AV	N	Pass
6	12.284	38.52	10.47	60.00	21.48	Peak	N	Pass
6**	12.284	26.34	10.47	50.00	23.66	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 C63.10-2020 + 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.

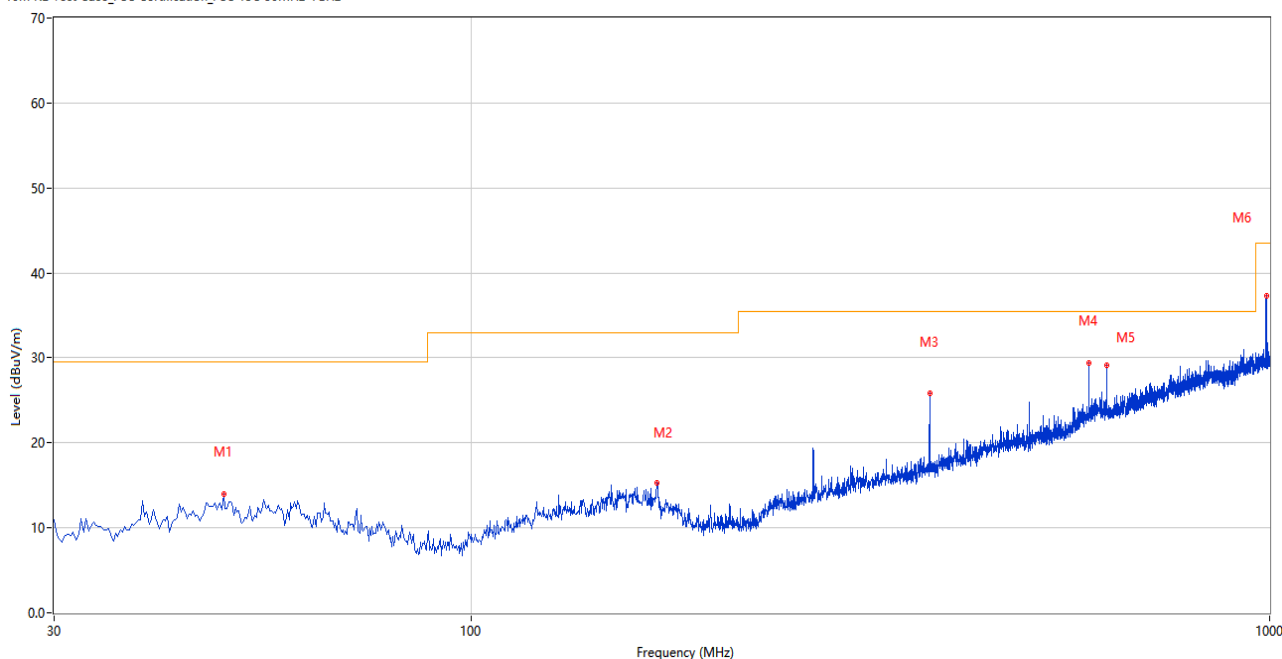
Note ³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

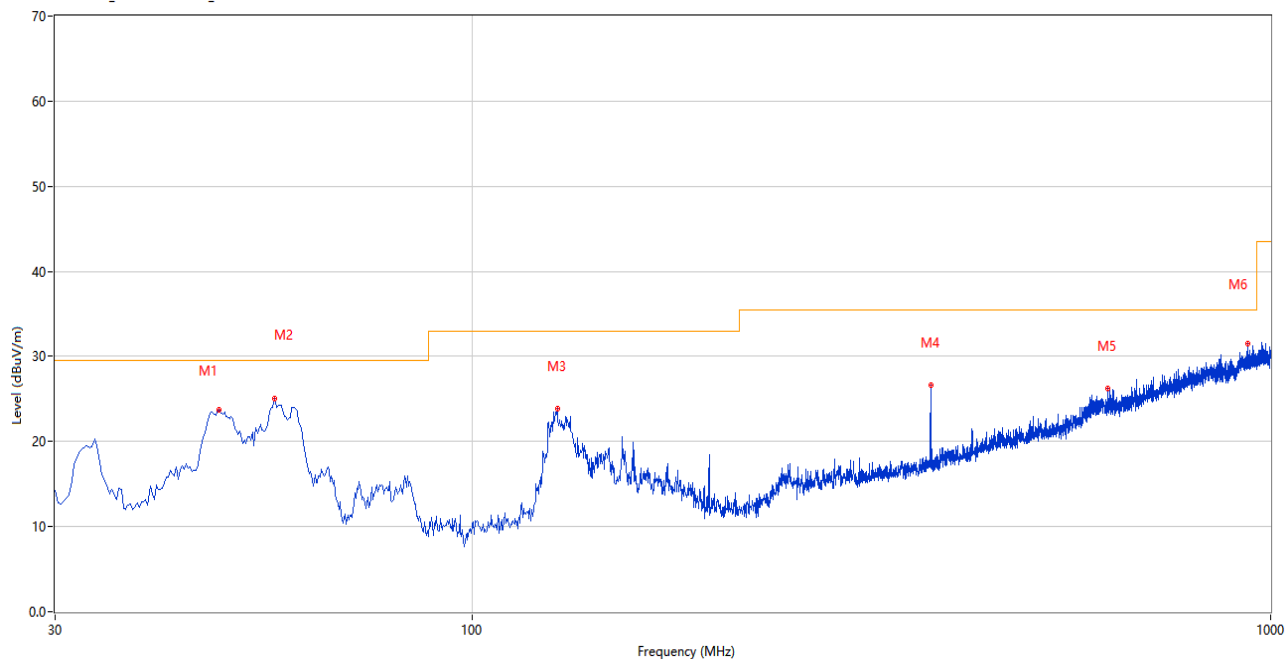
10m RE Test Case_FCC Certification_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	48.910	13.92	-28.92	29.5	15.58	Peak	349.00	100	Horizontal	Pass
2	170.857	15.29	-28.41	33.0	17.71	Peak	348.00	100	Horizontal	Pass
3	374.991	25.84	-24.55	35.5	9.66	Peak	161.00	200	Horizontal	Pass
4	593.914	29.44	-17.80	35.5	6.06	Peak	328.00	200	Horizontal	Pass
5	624.946	29.17	-17.42	35.5	6.33	Peak	225.00	200	Horizontal	Pass
6	990.060	37.29	-11.47	43.5	6.21	Peak	68.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	48.183	23.74	-29.04	29.5	5.76	Peak	360.00	200	Vertical	Pass
2	56.426	25.02	-29.24	29.5	4.48	Peak	210.00	100	Vertical	Pass
3	127.703	23.83	-29.91	33.0	9.17	Peak	360.00	200	Vertical	Pass
4	374.991	26.69	-24.55	35.5	8.81	Peak	183.00	100	Vertical	Pass
5	624.946	26.30	-17.42	35.5	9.20	Peak	108.00	200	Vertical	Pass
6	935.026	31.51	-11.95	35.5	3.99	Peak	360.00	200	Vertical	Pass

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

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.651	38.84	74.0	35.16	Peak	94.00	100	Horizontal	Pass
1**	1499.651	31.25	54.0	22.75	AV	94.00	100	Horizontal	Pass
2	4143.758	53.37	74.0	20.63	Peak	171.00	300	Horizontal	Pass
2**	4143.758	41.27	54.0	12.73	AV	171.00	300	Horizontal	Pass
3	7505.480	45.91	74.0	28.09	Peak	346.00	200	Horizontal	Pass
3**	7505.480	36.40	54.0	17.60	AV	346.00	200	Horizontal	Pass
4	8462.890	46.80	74.0	27.20	Peak	44.00	400	Horizontal	Pass
4**	8462.890	37.08	54.0	16.93	AV	44.00	400	Horizontal	Pass
5	12011.785	47.77	74.0	26.23	Peak	2.00	400	Horizontal	Pass
5**	12011.785	38.46	54.0	15.54	AV	2.00	400	Horizontal	Pass
6	15812.535	52.13	74.0	21.87	Peak	22.00	200	Horizontal	Pass
6**	15812.535	41.52	54.0	12.48	AV	22.00	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	1163.063	42.55	74.0	31.45	Peak	59.00	200	Vertical	Pass
1**	1163.063	34.86	54.0	19.14	AV	59.00	200	Vertical	Pass
2	1333.101	47.06	74.0	26.94	Peak	321.00	100	Vertical	Pass
2**	1333.101	36.47	54.0	17.53	AV	321.00	100	Vertical	Pass
3	4923.009	48.52	74.0	25.48	Peak	201.00	200	Vertical	Pass
3**	4923.009	39.31	54.0	14.69	AV	201.00	200	Vertical	Pass
4	7933.792	53.42	74.0	20.58	Peak	143.00	200	Vertical	Pass
4**	7933.792	39.79	54.0	14.21	AV	143.00	200	Vertical	Pass
5	12495.761	53.40	74.0	20.60	Peak	75.00	400	Vertical	Pass
5**	12495.761	40.87	54.0	13.13	AV	75.00	400	Vertical	Pass
6	17097.781	54.44	74.0	19.56	Peak	344.00	200	Vertical	Pass
6**	17097.781	40.69	54.0	13.32	AV	344.00	200	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	1497.560	38.82	74.0	35.18	Peak	184.00	300	Horizontal	Pass
1**	1497.560	31.16	54.0	22.84	AV	184.00	300	Horizontal	Pass
2	4147.308	53.20	74.0	20.80	Peak	68.00	300	Horizontal	Pass
2**	4147.308	41.13	54.0	12.88	AV	68.00	300	Horizontal	Pass
3	7503.934	45.76	74.0	28.24	Peak	171.00	200	Horizontal	Pass
3**	7503.934	36.23	54.0	17.77	AV	171.00	200	Horizontal	Pass
4	8462.096	46.58	74.0	27.42	Peak	123.00	200	Horizontal	Pass
4**	8462.096	37.01	54.0	16.99	AV	123.00	200	Horizontal	Pass
5	12012.750	47.59	74.0	26.41	Peak	268.00	400	Horizontal	Pass
5**	12012.750	38.42	54.0	15.58	AV	268.00	400	Horizontal	Pass
6	15813.952	52.08	74.0	21.92	Peak	358.00	200	Horizontal	Pass
6**	15813.952	42.36	54.0	11.64	AV	358.00	200	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	1161.055	42.32	74.0	31.68	Peak	117.00	400	Vertical	Pass
1**	1161.055	34.59	54.0	19.41	AV	117.00	400	Vertical	Pass
2	1334.384	46.93	74.0	27.07	Peak	281.00	400	Vertical	Pass
2**	1334.384	36.25	54.0	17.75	AV	281.00	400	Vertical	Pass
3	4922.714	48.26	74.0	25.75	Peak	273.00	200	Vertical	Pass
3**	4922.714	39.31	54.0	14.69	AV	273.00	200	Vertical	Pass
4	7934.452	53.38	74.0	20.62	Peak	327.00	300	Vertical	Pass
4**	7934.452	39.62	54.0	14.38	AV	327.00	300	Vertical	Pass
5	12491.771	53.20	74.0	20.80	Peak	158.00	100	Vertical	Pass
5**	12491.771	40.74	54.0	13.26	AV	158.00	100	Vertical	Pass
6	17103.061	54.25	74.0	19.75	Peak	104.00	200	Vertical	Pass
6**	17103.061	40.64	54.0	13.36	AV	104.00	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	1497.160	38.67	74.0	35.33	Peak	41.00	400	Horizontal	Pass
1**	1497.160	30.92	54.0	23.08	AV	41.00	400	Horizontal	Pass
2	4144.839	53.20	74.0	20.81	Peak	140.00	400	Horizontal	Pass
2**	4144.839	41.00	54.0	13.00	AV	140.00	400	Horizontal	Pass
3	7503.971	45.62	74.0	28.38	Peak	238.00	200	Horizontal	Pass
3**	7503.971	36.22	54.0	17.78	AV	238.00	200	Horizontal	Pass
4	8458.486	46.51	74.0	27.50	Peak	199.00	200	Horizontal	Pass
4**	8458.486	36.82	54.0	17.18	AV	199.00	200	Horizontal	Pass
5	12009.313	47.32	74.0	26.68	Peak	46.00	300	Horizontal	Pass
5**	12009.313	38.24	54.0	15.76	AV	46.00	300	Horizontal	Pass
6	15814.491	52.07	74.0	21.93	Peak	355.00	400	Horizontal	Pass
6**	15814.491	41.31	54.0	12.69	AV	355.00	400	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	1164.911	42.21	74.0	31.79	Peak	42.00	100	Vertical	Pass
1**	1164.911	34.33	54.0	19.67	AV	42.00	100	Vertical	Pass
2	1333.119	46.73	74.0	27.27	Peak	353.00	400	Vertical	Pass
2**	1333.119	36.20	54.0	17.80	AV	353.00	400	Vertical	Pass
3	4923.125	47.98	74.0	26.02	Peak	101.00	200	Vertical	Pass
3**	4923.125	39.09	54.0	14.91	AV	101.00	200	Vertical	Pass
4	7935.974	53.23	74.0	20.77	Peak	181.00	100	Vertical	Pass
4**	7935.974	39.62	54.0	14.38	AV	181.00	100	Vertical	Pass
5	12494.394	53.11	74.0	20.89	Peak	232.00	100	Vertical	Pass
5**	12494.394	40.55	54.0	13.45	AV	232.00	100	Vertical	Pass
6	17103.548	53.98	74.0	20.02	Peak	279.00	100	Vertical	Pass
6**	17103.548	40.52	54.0	13.48	AV	279.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1501.884	38.79	74.0	35.22	Peak	212.00	200	Horizontal	Pass
1**	1501.884	31.09	54.0	22.91	AV	212.00	200	Horizontal	Pass
2	4147.705	53.11	74.0	20.89	Peak	226.00	100	Horizontal	Pass
2**	4147.705	41.26	54.0	12.74	AV	226.00	100	Horizontal	Pass
3	7502.748	45.77	74.0	28.23	Peak	249.00	200	Horizontal	Pass
3**	7502.748	36.36	54.0	17.64	AV	249.00	200	Horizontal	Pass
4	8460.426	46.75	74.0	27.25	Peak	329.00	400	Horizontal	Pass
4**	8460.426	36.79	54.0	17.21	AV	329.00	400	Horizontal	Pass
5	12006.631	47.47	74.0	26.53	Peak	19.00	300	Horizontal	Pass
5**	12006.631	38.29	54.0	15.71	AV	19.00	300	Horizontal	Pass
6	15809.675	52.12	74.0	21.88	Peak	28.00	200	Horizontal	Pass
6**	15809.675	42.23	54.0	11.77	AV	28.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1163.889	42.12	74.0	31.88	Peak	102.00	400	Vertical	Pass
1**	1163.889	34.08	54.0	19.92	AV	102.00	400	Vertical	Pass
2	1333.614	46.62	74.0	27.38	Peak	25.00	100	Vertical	Pass
2**	1333.614	36.16	54.0	17.84	AV	25.00	100	Vertical	Pass
3	4927.871	47.70	74.0	26.30	Peak	141.00	200	Vertical	Pass
3**	4927.871	39.09	54.0	14.91	AV	141.00	200	Vertical	Pass
4	7931.493	53.09	74.0	20.91	Peak	272.00	100	Vertical	Pass
4**	7931.493	39.40	54.0	14.60	AV	272.00	100	Vertical	Pass
5	12493.967	52.93	74.0	21.07	Peak	202.00	300	Vertical	Pass
5**	12493.967	40.33	54.0	13.67	AV	202.00	300	Vertical	Pass
6	17100.816	53.89	74.0	20.11	Peak	216.00	300	Vertical	Pass
6**	17100.816	40.23	54.0	13.77	AV	216.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.212	38.64	74.0	35.37	Peak	334.00	200	Horizontal	Pass
1**	1496.212	30.95	54.0	23.05	AV	334.00	200	Horizontal	Pass
2	4143.803	53.03	74.0	20.97	Peak	320.00	400	Horizontal	Pass
2**	4143.803	40.93	54.0	13.07	AV	320.00	400	Horizontal	Pass
3	7500.056	45.53	74.0	28.47	Peak	98.00	200	Horizontal	Pass
3**	7500.056	36.02	54.0	17.98	AV	98.00	200	Horizontal	Pass
4	8458.156	46.33	74.0	27.67	Peak	216.00	200	Horizontal	Pass
4**	8458.156	36.90	54.0	17.10	AV	216.00	200	Horizontal	Pass
5	12008.235	47.43	74.0	26.57	Peak	241.00	300	Horizontal	Pass
5**	12008.235	38.31	54.0	15.69	AV	241.00	300	Horizontal	Pass
6	15810.765	51.95	74.0	22.05	Peak	86.00	300	Horizontal	Pass
6**	15810.765	42.29	54.0	11.71	AV	86.00	300	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	1161.137	41.86	74.0	32.14	Peak	216.00	200	Vertical	Pass
1**	1161.137	34.02	54.0	19.98	AV	216.00	200	Vertical	Pass
2	1339.053	46.49	74.0	27.51	Peak	351.00	300	Vertical	Pass
2**	1339.053	36.00	54.0	18.01	AV	351.00	300	Vertical	Pass
3	4924.922	47.61	74.0	26.39	Peak	124.00	200	Vertical	Pass
3**	4924.922	38.84	54.0	15.16	AV	124.00	200	Vertical	Pass
4	7929.720	52.86	74.0	21.15	Peak	1.00	300	Vertical	Pass
4**	7929.720	39.12	54.0	14.88	AV	1.00	300	Vertical	Pass
5	12493.470	52.82	74.0	21.18	Peak	42.00	200	Vertical	Pass
5**	12493.470	40.24	54.0	13.76	AV	42.00	200	Vertical	Pass
6	17098.897	53.60	74.0	20.40	Peak	154.00	400	Vertical	Pass
6**	17098.897	40.00	54.0	14.00	AV	154.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.442	38.65	74.0	35.35	Peak	183.00	100	Horizontal	Pass
1**	1496.442	30.81	54.0	23.19	AV	183.00	100	Horizontal	Pass
2	4141.914	52.90	74.0	21.10	Peak	251.00	100	Horizontal	Pass
2**	4141.914	40.97	54.0	13.03	AV	251.00	100	Horizontal	Pass
3	7507.243	45.43	74.0	28.57	Peak	63.00	200	Horizontal	Pass
3**	7507.243	35.99	54.0	18.02	AV	63.00	200	Horizontal	Pass
4	8458.587	46.22	74.0	27.78	Peak	88.00	200	Horizontal	Pass
4**	8458.587	36.58	54.0	17.42	AV	88.00	200	Horizontal	Pass
5	12009.466	47.05	74.0	26.95	Peak	310.00	100	Horizontal	Pass
5**	12009.466	38.18	54.0	15.82	AV	310.00	100	Horizontal	Pass
6	15813.860	51.84	74.0	22.16	Peak	260.00	200	Horizontal	Pass
6**	15813.860	41.27	54.0	12.73	AV	260.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1159.830	41.67	74.0	32.33	Peak	221.00	400	Vertical	Pass
1**	1159.830	33.75	54.0	20.25	AV	221.00	400	Vertical	Pass
2	1333.472	46.44	74.0	27.56	Peak	182.00	400	Vertical	Pass
2**	1333.472	35.79	54.0	18.21	AV	182.00	400	Vertical	Pass
3	4921.558	47.38	74.0	26.62	Peak	53.00	200	Vertical	Pass
3**	4921.558	38.67	54.0	15.33	AV	53.00	200	Vertical	Pass
4	7931.040	52.66	74.0	21.34	Peak	302.00	100	Vertical	Pass
4**	7931.040	39.08	54.0	14.92	AV	302.00	100	Vertical	Pass
5	12498.603	52.58	74.0	21.42	Peak	88.00	300	Vertical	Pass
5**	12498.603	39.96	54.0	14.04	AV	88.00	300	Vertical	Pass
6	17103.241	53.48	74.0	20.52	Peak	96.00	300	Vertical	Pass
6**	17103.241	39.95	54.0	14.05	AV	96.00	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	1501.537	38.69	74.0	35.31	Peak	319.00	100	Horizontal	Pass
1**	1501.537	31.18	54.0	22.82	AV	319.00	100	Horizontal	Pass
2	4146.537	53.26	74.0	20.74	Peak	312.00	300	Horizontal	Pass
2**	4146.537	41.25	54.0	12.75	AV	312.00	300	Horizontal	Pass
3	7502.686	45.82	74.0	28.18	Peak	5.00	200	Horizontal	Pass
3**	7502.686	36.13	54.0	17.87	AV	5.00	200	Horizontal	Pass
4	8460.945	46.75	74.0	27.25	Peak	249.00	400	Horizontal	Pass
4**	8460.945	36.82	54.0	17.18	AV	249.00	400	Horizontal	Pass
5	12012.226	47.72	74.0	26.28	Peak	45.00	300	Horizontal	Pass
5**	12012.226	38.19	54.0	15.81	AV	45.00	300	Horizontal	Pass
6	15814.034	51.84	74.0	22.16	Peak	183.00	100	Horizontal	Pass
6**	15814.034	42.48	54.0	11.52	AV	183.00	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	1160.956	41.52	74.0	32.48	Peak	260.00	400	Vertical	Pass
1**	1160.956	33.57	54.0	20.43	AV	260.00	400	Vertical	Pass
2	1332.840	46.39	74.0	27.61	Peak	94.00	300	Vertical	Pass
2**	1332.840	35.59	54.0	18.41	AV	94.00	300	Vertical	Pass
3	4927.655	47.16	74.0	26.85	Peak	272.00	200	Vertical	Pass
3**	4927.655	38.66	54.0	15.34	AV	272.00	200	Vertical	Pass
4	7935.737	52.40	74.0	21.60	Peak	191.00	100	Vertical	Pass
4**	7935.737	39.03	54.0	14.97	AV	191.00	100	Vertical	Pass
5	12494.407	52.36	74.0	21.64	Peak	304.00	400	Vertical	Pass
5**	12494.407	39.71	54.0	14.29	AV	304.00	400	Vertical	Pass
6	17101.164	53.42	74.0	20.58	Peak	289.00	300	Vertical	Pass
6**	17101.164	39.86	54.0	14.14	AV	289.00	300	Vertical	Pass

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

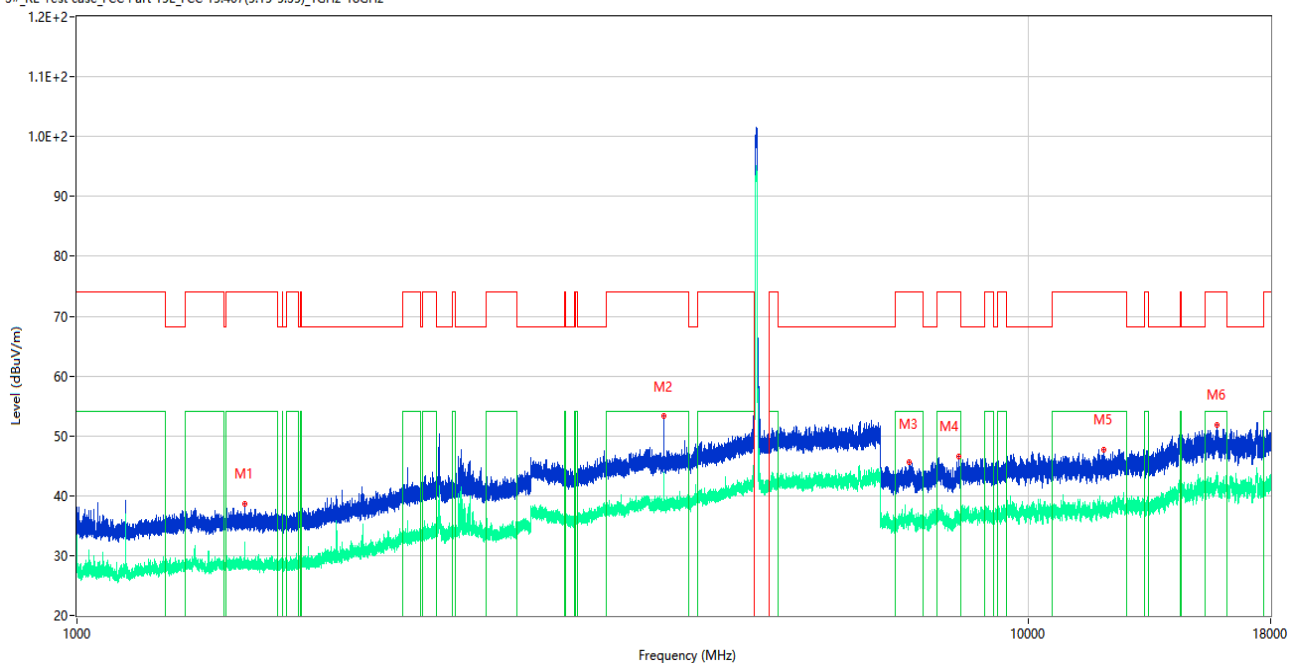
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.313	38.71	74.0	35.29	Peak	84.00	200	Horizontal	Pass
1**	1500.313	31.00	54.0	23.00	AV	84.00	200	Horizontal	Pass
2	4143.946	52.99	74.0	21.02	Peak	15.00	400	Horizontal	Pass
2**	4143.946	41.03	54.0	12.97	AV	15.00	400	Horizontal	Pass
3	7500.991	45.59	74.0	28.42	Peak	139.00	200	Horizontal	Pass
3**	7500.991	36.01	54.0	18.00	AV	139.00	200	Horizontal	Pass
4	8457.361	46.52	74.0	27.48	Peak	1.00	400	Horizontal	Pass
4**	8457.361	36.71	54.0	17.29	AV	1.00	400	Horizontal	Pass
5	12013.521	47.55	74.0	26.46	Peak	255.00	300	Horizontal	Pass
5**	12013.521	38.20	54.0	15.80	AV	255.00	300	Horizontal	Pass
6	15814.294	51.98	74.0	22.03	Peak	2.00	400	Horizontal	Pass
6**	15814.294	42.19	54.0	11.81	AV	2.00	400	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	1161.739	41.33	74.0	32.67	Peak	145.00	400	Vertical	Pass
1**	1161.739	33.52	54.0	20.48	AV	145.00	400	Vertical	Pass
2	1339.070	46.28	74.0	27.72	Peak	6.00	100	Vertical	Pass
2**	1339.070	35.30	54.0	18.70	AV	6.00	100	Vertical	Pass
3	4923.118	47.13	74.0	26.87	Peak	192.00	200	Vertical	Pass
3**	4923.118	38.48	54.0	15.52	AV	192.00	200	Vertical	Pass
4	7929.734	52.34	74.0	21.66	Peak	18.00	300	Vertical	Pass
4**	7929.734	38.90	54.0	15.10	AV	18.00	300	Vertical	Pass
5	12498.082	52.26	74.0	21.74	Peak	110.00	400	Vertical	Pass
5**	12498.082	39.58	54.0	14.42	AV	110.00	400	Vertical	Pass
6	17098.015	53.17	74.0	20.83	Peak	83.00	100	Vertical	Pass
6**	17098.015	39.72	54.0	14.28	AV	83.00	100	Vertical	Pass

11ac20, 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	1503.046	38.58	74.0	35.42	Peak	268.00	300	Horizontal	Pass
1**	1503.046	31.13	54.0	22.87	AV	268.00	300	Horizontal	Pass
2	4143.860	53.19	74.0	20.81	Peak	352.00	300	Horizontal	Pass
2**	4143.860	41.08	54.0	12.92	AV	352.00	300	Horizontal	Pass
3	7500.331	45.77	74.0	28.23	Peak	88.00	200	Horizontal	Pass
3**	7500.331	36.36	54.0	17.64	AV	88.00	200	Horizontal	Pass
4	8459.493	46.77	74.0	27.23	Peak	278.00	200	Horizontal	Pass
4**	8459.493	36.96	54.0	17.04	AV	278.00	200	Horizontal	Pass
5	12013.740	47.67	74.0	26.33	Peak	44.00	400	Horizontal	Pass
5**	12013.740	38.28	54.0	15.72	AV	44.00	400	Horizontal	Pass
6	15813.490	51.95	74.0	22.05	Peak	85.00	300	Horizontal	Pass
6**	15813.490	42.23	54.0	11.77	AV	85.00	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	1163.052	41.11	74.0	32.89	Peak	45.00	200	Vertical	Pass
1**	1163.052	33.32	54.0	20.69	AV	45.00	200	Vertical	Pass
2	1336.357	46.26	74.0	27.74	Peak	275.00	200	Vertical	Pass
2**	1336.357	35.26	54.0	18.74	AV	275.00	200	Vertical	Pass
3	4923.003	47.07	74.0	26.93	Peak	254.00	200	Vertical	Pass
3**	4923.003	38.22	54.0	15.78	AV	254.00	200	Vertical	Pass
4	7931.758	52.24	74.0	21.76	Peak	130.00	100	Vertical	Pass
4**	7931.758	38.71	54.0	15.29	AV	130.00	100	Vertical	Pass
5	12498.955	52.23	74.0	21.78	Peak	116.00	200	Vertical	Pass
5**	12498.955	39.41	54.0	14.60	AV	116.00	200	Vertical	Pass
6	17102.022	53.16	74.0	20.84	Peak	69.00	400	Vertical	Pass
6**	17102.022	39.60	54.0	14.40	AV	69.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.026	38.79	74.0	35.21	Peak	48.00	400	Horizontal	Pass
1**	1500.026	31.10	54.0	22.90	AV	48.00	400	Horizontal	Pass
2	4143.061	53.08	74.0	20.93	Peak	192.00	100	Horizontal	Pass
2**	4143.061	40.94	54.0	13.06	AV	192.00	100	Horizontal	Pass
3	7500.556	45.50	74.0	28.50	Peak	244.00	200	Horizontal	Pass
3**	7500.556	36.01	54.0	17.99	AV	244.00	200	Horizontal	Pass
4	8460.970	46.35	74.0	27.65	Peak	176.00	300	Horizontal	Pass
4**	8460.970	36.85	54.0	17.15	AV	176.00	300	Horizontal	Pass
5	12008.909	47.56	74.0	26.44	Peak	286.00	300	Horizontal	Pass
5**	12008.909	38.28	54.0	15.72	AV	286.00	300	Horizontal	Pass
6	15809.619	52.00	74.0	22.00	Peak	323.00	400	Horizontal	Pass
6**	15809.619	42.13	54.0	11.87	AV	323.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1160.014	40.96	74.0	33.04	Peak	356.00	100	Vertical	Pass
1**	1160.014	33.07	54.0	20.93	AV	356.00	100	Vertical	Pass
2	1337.969	46.09	74.0	27.91	Peak	107.00	100	Vertical	Pass
2**	1337.969	35.04	54.0	18.96	AV	107.00	100	Vertical	Pass
3	4923.878	46.89	74.0	27.11	Peak	194.00	200	Vertical	Pass
3**	4923.878	38.19	54.0	15.81	AV	194.00	200	Vertical	Pass
4	7936.180	52.15	74.0	21.85	Peak	68.00	100	Vertical	Pass
4**	7936.180	38.54	54.0	15.46	AV	68.00	100	Vertical	Pass
5	12495.303	52.02	74.0	21.98	Peak	81.00	100	Vertical	Pass
5**	12495.303	39.40	54.0	14.60	AV	81.00	100	Vertical	Pass
6	17102.120	53.11	74.0	20.89	Peak	46.00	100	Vertical	Pass
6**	17102.120	39.54	54.0	14.46	AV	46.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.312	38.59	74.0	35.41	Peak	308.00	300	Horizontal	Pass
1**	1497.312	30.81	54.0	23.19	AV	308.00	300	Horizontal	Pass
2	4146.141	53.19	74.0	20.81	Peak	304.00	100	Horizontal	Pass
2**	4146.141	40.75	54.0	13.26	AV	304.00	100	Horizontal	Pass
3	7500.337	45.32	74.0	28.68	Peak	317.00	200	Horizontal	Pass
3**	7500.337	36.08	54.0	17.92	AV	317.00	200	Horizontal	Pass
4	8463.268	46.28	74.0	27.72	Peak	149.00	100	Horizontal	Pass
4**	8463.268	36.80	54.0	17.20	AV	149.00	100	Horizontal	Pass
5	12011.929	47.28	74.0	26.72	Peak	147.00	100	Horizontal	Pass
5**	12011.929	38.11	54.0	15.89	AV	147.00	100	Horizontal	Pass
6	15810.556	51.84	74.0	22.16	Peak	68.00	100	Horizontal	Pass
6**	15810.556	42.21	54.0	11.79	AV	68.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1158.749	40.66	74.0	33.34	Peak	70.00	200	Vertical	Pass
1**	1158.749	32.81	54.0	21.19	AV	70.00	200	Vertical	Pass
2	1338.033	45.86	74.0	28.15	Peak	222.00	200	Vertical	Pass
2**	1338.033	34.81	54.0	19.19	AV	222.00	200	Vertical	Pass
3	4921.752	46.86	74.0	27.14	Peak	9.00	200	Vertical	Pass
3**	4921.752	38.03	54.0	15.97	AV	9.00	200	Vertical	Pass
4	7929.662	51.97	74.0	22.03	Peak	305.00	400	Vertical	Pass
4**	7929.662	38.34	54.0	15.66	AV	305.00	400	Vertical	Pass
5	12495.722	51.99	74.0	22.01	Peak	62.00	300	Vertical	Pass
5**	12495.722	39.30	54.0	14.70	AV	62.00	300	Vertical	Pass
6	17102.297	53.07	74.0	20.93	Peak	152.00	300	Vertical	Pass
6**	17102.297	39.54	54.0	14.46	AV	152.00	300	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	1497.717	38.74	74.0	35.27	Peak	166.00	200	Horizontal	Pass
1**	1497.717	30.82	54.0	23.18	AV	166.00	200	Horizontal	Pass
2	4145.388	52.91	74.0	21.09	Peak	353.00	300	Horizontal	Pass
2**	4145.388	41.05	54.0	12.95	AV	353.00	300	Horizontal	Pass
3	7507.320	45.56	74.0	28.44	Peak	156.00	200	Horizontal	Pass
3**	7507.320	36.16	54.0	17.84	AV	156.00	200	Horizontal	Pass
4	8464.356	46.72	74.0	27.28	Peak	24.00	200	Horizontal	Pass
4**	8464.356	36.58	54.0	17.42	AV	24.00	200	Horizontal	Pass
5	12010.748	47.47	74.0	26.54	Peak	141.00	200	Horizontal	Pass
5**	12010.748	38.10	54.0	15.90	AV	141.00	200	Horizontal	Pass
6	15813.915	51.85	74.0	22.15	Peak	268.00	400	Horizontal	Pass
6**	15813.915	42.20	54.0	11.81	AV	268.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1159.837	40.43	74.0	33.57	Peak	112.00	100	Vertical	Pass
1**	1159.837	32.56	54.0	21.44	AV	112.00	100	Vertical	Pass
2	1338.070	45.76	74.0	28.24	Peak	55.00	300	Vertical	Pass
2**	1338.070	34.75	54.0	19.25	AV	55.00	300	Vertical	Pass
3	4928.096	46.69	74.0	27.31	Peak	2.00	200	Vertical	Pass
3**	4928.096	37.90	54.0	16.10	AV	2.00	200	Vertical	Pass
4	7929.220	51.94	74.0	22.06	Peak	303.00	100	Vertical	Pass
4**	7929.220	38.27	54.0	15.73	AV	303.00	100	Vertical	Pass
5	12492.836	51.93	74.0	22.08	Peak	145.00	400	Vertical	Pass
5**	12492.836	39.12	54.0	14.88	AV	145.00	400	Vertical	Pass
6	17099.050	53.02	74.0	20.98	Peak	199.00	400	Vertical	Pass
6**	17099.050	39.27	54.0	14.73	AV	199.00	400	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	1497.557	38.63	74.0	35.37	Peak	242.00	300	Horizontal	Pass
1**	1497.557	30.98	54.0	23.02	AV	242.00	300	Horizontal	Pass
2	4145.188	53.12	74.0	20.88	Peak	12.00	100	Horizontal	Pass
2**	4145.188	41.20	54.0	12.81	AV	12.00	100	Horizontal	Pass
3	7500.540	45.78	74.0	28.22	Peak	35.00	200	Horizontal	Pass
3**	7500.540	36.13	54.0	17.87	AV	35.00	200	Horizontal	Pass
4	8464.673	46.60	74.0	27.40	Peak	220.00	100	Horizontal	Pass
4**	8464.673	36.98	54.0	17.02	AV	220.00	100	Horizontal	Pass
5	12008.718	47.67	74.0	26.33	Peak	37.00	300	Horizontal	Pass
5**	12008.718	38.38	54.0	15.62	AV	37.00	300	Horizontal	Pass
6	15808.471	51.90	74.0	22.10	Peak	289.00	200	Horizontal	Pass
6**	15808.471	41.42	54.0	12.58	AV	289.00	200	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	1163.627	42.44	74.0	31.56	Peak	101.00	100	Vertical	Pass
1**	1163.627	34.80	54.0	19.20	AV	101.00	100	Vertical	Pass
2	1333.106	46.96	74.0	27.04	Peak	274.00	200	Vertical	Pass
2**	1333.106	36.37	54.0	17.63	AV	274.00	200	Vertical	Pass
3	4925.550	48.30	74.0	25.70	Peak	300.00	200	Vertical	Pass
3**	4925.550	39.22	54.0	14.78	AV	300.00	200	Vertical	Pass
4	7933.814	53.26	74.0	20.74	Peak	65.00	300	Vertical	Pass
4**	7933.814	39.53	54.0	14.47	AV	65.00	300	Vertical	Pass
5	12492.717	53.23	74.0	20.77	Peak	16.00	100	Vertical	Pass
5**	12492.717	40.62	54.0	13.38	AV	16.00	100	Vertical	Pass
6	17097.721	54.22	74.0	19.78	Peak	125.00	300	Vertical	Pass
6**	17097.721	40.56	54.0	13.44	AV	125.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.225	38.54	74.0	35.46	Peak	14.00	100	Horizontal	Pass
1**	1497.225	30.91	54.0	23.09	AV	14.00	100	Horizontal	Pass
2	4145.695	52.97	74.0	21.04	Peak	205.00	100	Horizontal	Pass
2**	4145.695	41.02	54.0	12.98	AV	205.00	100	Horizontal	Pass
3	7507.658	45.57	74.0	28.44	Peak	207.00	200	Horizontal	Pass
3**	7507.658	35.99	54.0	18.01	AV	207.00	200	Horizontal	Pass
4	8459.020	46.56	74.0	27.44	Peak	243.00	300	Horizontal	Pass
4**	8459.020	36.90	54.0	17.10	AV	243.00	300	Horizontal	Pass
5	12010.772	47.30	74.0	26.70	Peak	127.00	300	Horizontal	Pass
5**	12010.772	38.42	54.0	15.58	AV	127.00	300	Horizontal	Pass
6	15811.036	51.86	74.0	22.14	Peak	210.00	100	Horizontal	Pass
6**	15811.036	41.36	54.0	12.64	AV	210.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1159.381	42.08	74.0	31.92	Peak	99.00	100	Vertical	Pass
1**	1159.381	34.56	54.0	19.44	AV	99.00	100	Vertical	Pass
2	1334.414	46.73	74.0	27.27	Peak	277.00	200	Vertical	Pass
2**	1334.414	36.03	54.0	17.97	AV	277.00	200	Vertical	Pass
3	4927.878	48.23	74.0	25.77	Peak	310.00	200	Vertical	Pass
3**	4927.878	39.15	54.0	14.85	AV	310.00	200	Vertical	Pass
4	7931.639	53.20	74.0	20.80	Peak	268.00	200	Vertical	Pass
4**	7931.639	39.48	54.0	14.52	AV	268.00	200	Vertical	Pass
5	12491.909	52.95	74.0	21.05	Peak	91.00	400	Vertical	Pass
5**	12491.909	40.50	54.0	13.50	AV	91.00	400	Vertical	Pass
6	17101.776	54.01	74.0	19.99	Peak	207.00	300	Vertical	Pass
6**	17101.776	40.53	54.0	13.47	AV	207.00	300	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	1498.655	38.97	74.0	35.03	Peak	75.00	300	Horizontal	Pass
1**	1498.655	31.32	54.0	22.68	AV	75.00	300	Horizontal	Pass
2	4143.870	53.59	74.0	20.41	Peak	17.00	100	Horizontal	Pass
2**	4143.870	41.37	54.0	12.63	AV	17.00	100	Horizontal	Pass
3	7504.139	46.21	74.0	27.79	Peak	206.00	200	Horizontal	Pass
3**	7504.139	36.46	54.0	17.54	AV	206.00	200	Horizontal	Pass
4	8466.103	46.93	74.0	27.07	Peak	180.00	400	Horizontal	Pass
4**	8466.103	37.24	54.0	16.77	AV	180.00	400	Horizontal	Pass
5	12013.497	47.94	74.0	26.06	Peak	153.00	400	Horizontal	Pass
5**	12013.497	38.74	54.0	15.26	AV	153.00	400	Horizontal	Pass
6	15808.600	52.35	74.0	21.65	Peak	187.00	400	Horizontal	Pass
6**	15808.600	41.56	54.0	12.44	AV	187.00	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	1160.243	41.37	74.0	32.63	Peak	288.00	200	Vertical	Pass
1**	1160.243	33.72	54.0	20.28	AV	288.00	200	Vertical	Pass
2	1330.810	46.19	74.0	27.81	Peak	205.00	200	Vertical	Pass
2**	1330.810	35.65	54.0	18.35	AV	205.00	200	Vertical	Pass
3	4926.521	47.59	74.0	26.41	Peak	335.00	200	Vertical	Pass
3**	4926.521	38.71	54.0	15.29	AV	335.00	200	Vertical	Pass
4	7928.702	52.91	74.0	21.10	Peak	262.00	200	Vertical	Pass
4**	7928.702	39.23	54.0	14.78	AV	262.00	200	Vertical	Pass
5	12493.175	52.60	74.0	21.40	Peak	252.00	400	Vertical	Pass
5**	12493.175	40.19	54.0	13.81	AV	252.00	400	Vertical	Pass
6	17098.131	53.62	74.0	20.38	Peak	35.00	300	Vertical	Pass
6**	17098.131	40.30	54.0	13.70	AV	35.00	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	1500.314	38.42	74.0	35.58	Peak	196.00	300	Horizontal	Pass
1**	1500.314	30.94	54.0	23.07	AV	196.00	300	Horizontal	Pass
2	4141.824	52.89	74.0	21.11	Peak	330.00	400	Horizontal	Pass
2**	4141.824	40.81	54.0	13.19	AV	330.00	400	Horizontal	Pass
3	7511.223	45.49	74.0	28.51	Peak	291.00	200	Horizontal	Pass
3**	7511.223	36.03	54.0	17.97	AV	291.00	200	Horizontal	Pass
4	8457.237	46.69	74.0	27.31	Peak	278.00	200	Horizontal	Pass
4**	8457.237	36.88	54.0	17.12	AV	278.00	200	Horizontal	Pass
5	12010.580	47.35	74.0	26.65	Peak	324.00	200	Horizontal	Pass
5**	12010.580	38.60	54.0	15.40	AV	324.00	200	Horizontal	Pass
6	15813.252	51.97	74.0	22.03	Peak	241.00	300	Horizontal	Pass
6**	15813.252	41.31	54.0	12.69	AV	241.00	300	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	1161.212	41.98	74.0	32.03	Peak	75.00	300	Vertical	Pass
1**	1161.212	34.52	54.0	19.48	AV	75.00	300	Vertical	Pass
2	1336.459	46.74	74.0	27.26	Peak	271.00	400	Vertical	Pass
2**	1336.459	36.15	54.0	17.85	AV	271.00	400	Vertical	Pass
3	4925.708	48.29	74.0	25.71	Peak	347.00	200	Vertical	Pass
3**	4925.708	39.15	54.0	14.85	AV	347.00	200	Vertical	Pass
4	7934.009	53.37	74.0	20.63	Peak	327.00	100	Vertical	Pass
4**	7934.009	39.40	54.0	14.60	AV	327.00	100	Vertical	Pass
5	12491.103	52.93	74.0	21.07	Peak	234.00	100	Vertical	Pass
5**	12491.103	40.65	54.0	13.35	AV	234.00	100	Vertical	Pass
6	17103.796	54.18	74.0	19.82	Peak	198.00	100	Vertical	Pass
6**	17103.796	40.52	54.0	13.48	AV	198.00	100	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	1493.354	38.24	74.0	35.76	Peak	286.00	300	Horizontal	Pass
1**	1493.354	30.90	54.0	23.10	AV	286.00	300	Horizontal	Pass
2	4148.440	52.74	74.0	21.26	Peak	359.00	100	Horizontal	Pass
2**	4148.440	40.53	54.0	13.47	AV	359.00	100	Horizontal	Pass
3	7508.763	45.29	74.0	28.72	Peak	109.00	200	Horizontal	Pass
3**	7508.763	36.03	54.0	17.98	AV	109.00	200	Horizontal	Pass
4	8458.262	46.70	74.0	27.30	Peak	148.00	200	Horizontal	Pass
4**	8458.262	36.96	54.0	17.04	AV	148.00	200	Horizontal	Pass
5	12008.298	47.27	74.0	26.73	Peak	93.00	200	Horizontal	Pass
5**	12008.298	38.48	54.0	15.52	AV	93.00	200	Horizontal	Pass
6	15808.820	51.75	74.0	22.25	Peak	289.00	200	Horizontal	Pass
6**	15808.820	41.39	54.0	12.61	AV	289.00	200	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	1160.549	41.94	74.0	32.06	Peak	299.00	400	Vertical	Pass
1**	1160.549	34.22	54.0	19.78	AV	299.00	400	Vertical	Pass
2	1336.704	46.48	74.0	27.52	Peak	81.00	300	Vertical	Pass
2**	1336.704	36.01	54.0	17.99	AV	81.00	300	Vertical	Pass
3	4929.500	47.99	74.0	26.01	Peak	211.00	200	Vertical	Pass
3**	4929.500	39.15	54.0	14.85	AV	211.00	200	Vertical	Pass
4	7931.838	52.99	74.0	21.01	Peak	67.00	300	Vertical	Pass
4**	7931.838	39.34	54.0	14.66	AV	67.00	300	Vertical	Pass
5	12492.772	52.68	74.0	21.32	Peak	277.00	400	Vertical	Pass
5**	12492.772	40.17	54.0	13.84	AV	277.00	400	Vertical	Pass
6	17104.868	53.98	74.0	20.03	Peak	353.00	200	Vertical	Pass
6**	17104.868	40.38	54.0	13.62	AV	353.00	200	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	1498.282	38.07	74.0	35.93	Peak	121.00	200	Horizontal	Pass
1**	1498.282	30.77	54.0	23.23	AV	121.00	200	Horizontal	Pass
2	4146.758	52.72	74.0	21.28	Peak	89.00	400	Horizontal	Pass
2**	4146.758	40.66	54.0	13.35	AV	89.00	400	Horizontal	Pass
3	7504.972	45.23	74.0	28.77	Peak	93.00	200	Horizontal	Pass
3**	7504.972	35.63	54.0	18.37	AV	93.00	200	Horizontal	Pass
4	8460.851	46.65	74.0	27.35	Peak	309.00	200	Horizontal	Pass
4**	8460.851	36.56	54.0	17.44	AV	309.00	200	Horizontal	Pass
5	12007.205	46.97	74.0	27.03	Peak	202.00	400	Horizontal	Pass
5**	12007.205	38.46	54.0	15.54	AV	202.00	400	Horizontal	Pass
6	15807.193	51.56	74.0	22.44	Peak	136.00	300	Horizontal	Pass
6**	15807.193	41.07	54.0	12.93	AV	136.00	300	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	1159.229	41.86	74.0	32.14	Peak	263.00	100	Vertical	Pass
1**	1159.229	33.92	54.0	20.08	AV	263.00	100	Vertical	Pass
2	1334.123	46.34	74.0	27.66	Peak	9.00	100	Vertical	Pass
2**	1334.123	35.83	54.0	18.17	AV	9.00	100	Vertical	Pass
3	4924.328	47.80	74.0	26.20	Peak	133.00	200	Vertical	Pass
3**	4924.328	38.85	54.0	15.15	AV	133.00	200	Vertical	Pass
4	7929.233	52.83	74.0	21.17	Peak	349.00	300	Vertical	Pass
4**	7929.233	39.35	54.0	14.65	AV	349.00	300	Vertical	Pass
5	12492.477	52.66	74.0	21.34	Peak	26.00	100	Vertical	Pass
5**	12492.477	40.22	54.0	13.78	AV	26.00	100	Vertical	Pass
6	17102.349	53.82	74.0	20.18	Peak	211.00	300	Vertical	Pass
6**	17102.349	40.60	54.0	13.40	AV	211.00	300	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	1499.777	38.46	74.0	35.54	Peak	22.00	200	Horizontal	Pass
1**	1499.777	31.09	54.0	22.91	AV	22.00	200	Horizontal	Pass
2	4142.304	52.87	74.0	21.13	Peak	234.00	200	Horizontal	Pass
2**	4142.304	40.86	54.0	13.14	AV	234.00	200	Horizontal	Pass
3	7508.402	45.53	74.0	28.47	Peak	122.00	200	Horizontal	Pass
3**	7508.402	36.05	54.0	17.95	AV	122.00	200	Horizontal	Pass
4	8460.713	46.67	74.0	27.33	Peak	241.00	100	Horizontal	Pass
4**	8460.713	36.99	54.0	17.01	AV	241.00	100	Horizontal	Pass
5	12012.144	47.51	74.0	26.50	Peak	358.00	200	Horizontal	Pass
5**	12012.144	38.69	54.0	15.31	AV	358.00	200	Horizontal	Pass
6	15814.898	51.90	74.0	22.10	Peak	295.00	400	Horizontal	Pass
6**	15814.898	41.46	54.0	12.54	AV	295.00	400	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	1155.713	42.05	74.0	31.95	Peak	31.00	100	Vertical	Pass
1**	1155.713	34.46	54.0	19.54	AV	31.00	100	Vertical	Pass
2	1335.676	46.88	74.0	27.12	Peak	358.00	300	Vertical	Pass
2**	1335.676	35.88	54.0	18.12	AV	358.00	300	Vertical	Pass
3	4924.684	48.25	74.0	25.75	Peak	113.00	200	Vertical	Pass
3**	4924.684	39.33	54.0	14.67	AV	113.00	200	Vertical	Pass
4	7935.341	53.39	74.0	20.61	Peak	255.00	400	Vertical	Pass
4**	7935.341	39.57	54.0	14.43	AV	255.00	400	Vertical	Pass
5	12489.382	53.10	74.0	20.90	Peak	56.00	100	Vertical	Pass
5**	12489.382	40.46	54.0	13.54	AV	56.00	100	Vertical	Pass
6	17103.268	54.21	74.0	19.79	Peak	75.00	300	Vertical	Pass
6**	17103.268	40.51	54.0	13.49	AV	75.00	300	Vertical	Pass

11ax80(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	1498.170	38.39	74.0	35.61	Peak	128.00	200	Horizontal	Pass
1**	1498.170	31.09	54.0	22.91	AV	128.00	200	Horizontal	Pass
2	4142.591	52.97	74.0	21.03	Peak	87.00	100	Horizontal	Pass
2**	4142.591	40.73	54.0	13.27	AV	87.00	100	Horizontal	Pass
3	7509.853	45.63	74.0	28.37	Peak	223.00	200	Horizontal	Pass
3**	7509.853	35.90	54.0	18.10	AV	223.00	200	Horizontal	Pass
4	8460.307	46.71	74.0	27.29	Peak	194.00	300	Horizontal	Pass
4**	8460.307	36.88	54.0	17.12	AV	194.00	300	Horizontal	Pass
5	12012.582	47.44	74.0	26.56	Peak	171.00	200	Horizontal	Pass
5**	12012.582	38.68	54.0	15.32	AV	171.00	200	Horizontal	Pass
6	15809.959	51.99	74.0	22.01	Peak	118.00	100	Horizontal	Pass
6**	15809.959	41.23	54.0	12.77	AV	118.00	100	Horizontal	Pass

11ax80(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	1162.323	42.11	74.0	31.89	Peak	206.00	400	Vertical	Pass
1**	1162.323	34.38	54.0	19.62	AV	206.00	400	Vertical	Pass
2	1335.397	47.00	74.0	27.01	Peak	2.00	400	Vertical	Pass
2**	1335.397	36.10	54.0	17.91	AV	2.00	400	Vertical	Pass
3	4928.379	48.23	74.0	25.77	Peak	69.00	200	Vertical	Pass
3**	4928.379	39.18	54.0	14.82	AV	69.00	200	Vertical	Pass
4	7931.653	53.38	74.0	20.62	Peak	96.00	400	Vertical	Pass
4**	7931.653	39.45	54.0	14.55	AV	96.00	400	Vertical	Pass
5	12490.316	53.12	74.0	20.88	Peak	177.00	100	Vertical	Pass
5**	12490.316	40.64	54.0	13.36	AV	177.00	100	Vertical	Pass
6	17104.272	54.10	74.0	19.90	Peak	69.00	300	Vertical	Pass
6**	17104.272	40.51	54.0	13.49	AV	69.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1536.458	38.02	74.0	35.98	Peak	221.00	400	Horizontal	Pass
1**	1536.458	28.12	54.0	25.88	AV	221.00	400	Horizontal	Pass
2	3951.436	49.01	74.0	24.99	Peak	144.00	400	Horizontal	Pass
2**	3951.436	39.49	54.0	14.51	AV	144.00	400	Horizontal	Pass
3	4891.527	50.28	74.0	23.72	Peak	351.00	200	Horizontal	Pass
3**	4891.527	41.27	54.0	12.74	AV	351.00	200	Horizontal	Pass
4	7337.044	45.23	74.0	28.77	Peak	295.00	300	Horizontal	Pass
4**	7337.044	36.27	54.0	17.73	AV	295.00	300	Horizontal	Pass
5	12477.094	48.15	74.0	25.86	Peak	309.00	300	Horizontal	Pass
5**	12477.094	39.11	54.0	14.89	AV	309.00	300	Horizontal	Pass
6	16191.111	52.24	74.0	21.77	Peak	202.00	400	Horizontal	Pass
6**	16191.111	41.84	54.0	12.16	AV	202.00	400	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	1156.465	40.34	74.0	33.66	Peak	332.00	300	Vertical	Pass
1**	1156.465	31.91	54.0	22.09	AV	332.00	300	Vertical	Pass
2	1330.698	49.03	74.0	24.97	Peak	247.00	300	Vertical	Pass
2**	1330.698	36.19	54.0	17.81	AV	247.00	300	Vertical	Pass
3	4929.679	50.18	74.0	23.82	Peak	45.00	200	Vertical	Pass
3**	4929.679	38.35	54.0	15.65	AV	45.00	200	Vertical	Pass
4	7936.392	49.84	74.0	24.16	Peak	264.00	300	Vertical	Pass
4**	7936.392	40.13	54.0	13.87	AV	264.00	300	Vertical	Pass
5	12495.343	55.41	74.0	18.60	Peak	21.00	200	Vertical	Pass
5**	12495.343	38.65	54.0	15.35	AV	21.00	200	Vertical	Pass
6	17098.409	52.31	74.0	21.69	Peak	359.00	100	Vertical	Pass
6**	17098.409	39.84	54.0	14.16	AV	359.00	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	1532.967	37.99	74.0	36.01	Peak	175.00	200	Horizontal	Pass
1**	1532.967	27.85	54.0	26.15	AV	175.00	200	Horizontal	Pass
2	3954.245	48.85	74.0	25.15	Peak	322.00	100	Horizontal	Pass
2**	3954.245	39.27	54.0	14.73	AV	322.00	100	Horizontal	Pass
3	4892.628	50.23	74.0	23.77	Peak	68.00	200	Horizontal	Pass
3**	4892.628	41.02	54.0	12.98	AV	68.00	200	Horizontal	Pass
4	7340.798	44.98	74.0	29.02	Peak	171.00	200	Horizontal	Pass
4**	7340.798	36.02	54.0	17.98	AV	171.00	200	Horizontal	Pass
5	12480.087	48.05	74.0	25.95	Peak	357.00	100	Horizontal	Pass
5**	12480.087	38.93	54.0	15.07	AV	357.00	100	Horizontal	Pass
6	16185.543	52.23	74.0	21.77	Peak	300.00	300	Horizontal	Pass
6**	16185.543	41.57	54.0	12.43	AV	300.00	300	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	1155.466	40.25	74.0	33.75	Peak	230.00	100	Vertical	Pass
1**	1155.466	31.70	54.0	22.30	AV	230.00	100	Vertical	Pass
2	1337.558	49.03	74.0	24.97	Peak	234.00	300	Vertical	Pass
2**	1337.558	36.19	54.0	17.81	AV	234.00	300	Vertical	Pass
3	4933.310	50.00	74.0	24.00	Peak	133.00	200	Vertical	Pass
3**	4933.310	38.27	54.0	15.73	AV	133.00	200	Vertical	Pass
4	7934.449	49.61	74.0	24.39	Peak	143.00	200	Vertical	Pass
4**	7934.449	40.11	54.0	13.89	AV	143.00	200	Vertical	Pass
5	12493.173	55.34	74.0	18.66	Peak	265.00	400	Vertical	Pass
5**	12493.173	38.64	54.0	15.36	AV	265.00	400	Vertical	Pass
6	17099.454	52.30	74.0	21.70	Peak	270.00	100	Vertical	Pass
6**	17099.454	39.65	54.0	14.36	AV	270.00	100	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	1535.610	37.80	74.0	36.20	Peak	36.00	200	Horizontal	Pass
1**	1535.610	27.82	54.0	26.18	AV	36.00	200	Horizontal	Pass
2	3948.339	48.73	74.0	25.27	Peak	46.00	100	Horizontal	Pass
2**	3948.339	39.10	54.0	14.90	AV	46.00	100	Horizontal	Pass
3	4890.934	50.01	74.0	23.99	Peak	277.00	200	Horizontal	Pass
3**	4890.934	40.96	54.0	13.04	AV	277.00	200	Horizontal	Pass
4	7334.942	44.87	74.0	29.13	Peak	234.00	100	Horizontal	Pass
4**	7334.942	35.96	54.0	18.04	AV	234.00	100	Horizontal	Pass
5	12477.226	47.80	74.0	26.20	Peak	213.00	400	Horizontal	Pass
5**	12477.226	38.87	54.0	15.13	AV	213.00	400	Horizontal	Pass
6	16189.792	52.06	74.0	21.94	Peak	276.00	400	Horizontal	Pass
6**	16189.792	41.40	54.0	12.61	AV	276.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1156.714	40.18	74.0	33.82	Peak	137.00	300	Vertical	Pass
1**	1156.714	31.61	54.0	22.39	AV	137.00	300	Vertical	Pass
2	1338.085	48.77	74.0	25.23	Peak	248.00	300	Vertical	Pass
2**	1338.085	35.90	54.0	18.10	AV	248.00	300	Vertical	Pass
3	4930.746	49.72	74.0	24.28	Peak	220.00	200	Vertical	Pass
3**	4930.746	37.99	54.0	16.01	AV	220.00	200	Vertical	Pass
4	7939.650	49.58	74.0	24.42	Peak	246.00	100	Vertical	Pass
4**	7939.650	39.88	54.0	14.12	AV	246.00	100	Vertical	Pass
5	12493.156	55.18	74.0	18.82	Peak	109.00	200	Vertical	Pass
5**	12493.156	38.39	54.0	15.61	AV	109.00	200	Vertical	Pass
6	17103.703	52.01	74.0	21.99	Peak	72.00	300	Vertical	Pass
6**	17103.703	39.46	54.0	14.55	AV	72.00	300	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	1535.447	37.56	74.0	36.44	Peak	184.00	400	Horizontal	Pass
1**	1535.447	27.68	54.0	26.32	AV	184.00	400	Horizontal	Pass
2	3948.215	48.52	74.0	25.48	Peak	43.00	200	Horizontal	Pass
2**	3948.215	39.06	54.0	14.94	AV	43.00	200	Horizontal	Pass
3	4891.581	49.78	74.0	24.22	Peak	109.00	200	Horizontal	Pass
3**	4891.581	40.90	54.0	13.10	AV	109.00	200	Horizontal	Pass
4	7340.508	44.68	74.0	29.33	Peak	246.00	300	Horizontal	Pass
4**	7340.508	35.80	54.0	18.20	AV	246.00	300	Horizontal	Pass
5	12482.511	47.52	74.0	26.48	Peak	297.00	300	Horizontal	Pass
5**	12482.511	38.63	54.0	15.37	AV	297.00	300	Horizontal	Pass
6	16191.049	51.90	74.0	22.10	Peak	244.00	400	Horizontal	Pass
6**	16191.049	41.34	54.0	12.66	AV	244.00	400	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	1155.629	40.10	74.0	33.90	Peak	315.00	100	Vertical	Pass
1**	1155.629	31.53	54.0	22.47	AV	315.00	100	Vertical	Pass
2	1336.103	48.64	74.0	25.36	Peak	359.00	100	Vertical	Pass
2**	1336.103	35.69	54.0	18.31	AV	359.00	100	Vertical	Pass
3	4926.035	49.62	74.0	24.38	Peak	95.00	200	Vertical	Pass
3**	4926.035	37.80	54.0	16.20	AV	95.00	200	Vertical	Pass
4	7940.747	49.31	74.0	24.69	Peak	24.00	200	Vertical	Pass
4**	7940.747	39.66	54.0	14.34	AV	24.00	200	Vertical	Pass
5	12496.483	54.88	74.0	19.12	Peak	248.00	200	Vertical	Pass
5**	12496.483	38.13	54.0	15.87	AV	248.00	200	Vertical	Pass
6	17099.173	51.93	74.0	22.07	Peak	114.00	100	Vertical	Pass
6**	17099.173	39.17	54.0	14.83	AV	114.00	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	1532.859	37.49	74.0	36.51	Peak	3.00	400	Horizontal	Pass
1**	1532.859	27.43	54.0	26.57	AV	3.00	400	Horizontal	Pass
2	3948.298	48.22	74.0	25.78	Peak	245.00	400	Horizontal	Pass
2**	3948.298	38.86	54.0	15.14	AV	245.00	400	Horizontal	Pass
3	4887.824	49.64	74.0	24.36	Peak	233.00	200	Horizontal	Pass
3**	4887.824	40.67	54.0	13.33	AV	233.00	200	Horizontal	Pass
4	7339.471	44.63	74.0	29.37	Peak	76.00	100	Horizontal	Pass
4**	7339.471	35.70	54.0	18.30	AV	76.00	100	Horizontal	Pass
5	12479.890	47.50	74.0	26.50	Peak	300.00	300	Horizontal	Pass
5**	12479.890	38.39	54.0	15.61	AV	300.00	300	Horizontal	Pass
6	16187.164	51.81	74.0	22.19	Peak	10.00	300	Horizontal	Pass
6**	16187.164	41.28	54.0	12.72	AV	10.00	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	1155.587	39.94	74.0	34.06	Peak	164.00	300	Vertical	Pass
1**	1155.587	31.47	54.0	22.54	AV	164.00	300	Vertical	Pass
2	1336.203	48.43	74.0	25.57	Peak	281.00	200	Vertical	Pass
2**	1336.203	35.69	54.0	18.31	AV	281.00	200	Vertical	Pass
3	4930.016	49.54	74.0	24.46	Peak	108.00	200	Vertical	Pass
3**	4930.016	37.56	54.0	16.44	AV	108.00	200	Vertical	Pass
4	7939.974	49.07	74.0	24.93	Peak	136.00	100	Vertical	Pass
4**	7939.974	39.59	54.0	14.41	AV	136.00	100	Vertical	Pass
5	12490.794	54.70	74.0	19.30	Peak	229.00	200	Vertical	Pass
5**	12490.794	38.05	54.0	15.95	AV	229.00	200	Vertical	Pass
6	17104.857	51.84	74.0	22.16	Peak	207.00	400	Vertical	Pass
6**	17104.857	39.17	54.0	14.83	AV	207.00	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	1532.479	37.23	74.0	36.77	Peak	194.00	400	Horizontal	Pass
1**	1532.479	27.36	54.0	26.64	AV	194.00	400	Horizontal	Pass
2	3949.116	47.99	74.0	26.01	Peak	300.00	100	Horizontal	Pass
2**	3949.116	38.65	54.0	15.35	AV	300.00	100	Horizontal	Pass
3	4892.449	49.40	74.0	24.60	Peak	40.00	200	Horizontal	Pass
3**	4892.449	40.55	54.0	13.45	AV	40.00	200	Horizontal	Pass
4	7337.936	44.37	74.0	29.63	Peak	317.00	200	Horizontal	Pass
4**	7337.936	35.69	54.0	18.32	AV	317.00	200	Horizontal	Pass
5	12476.388	47.49	74.0	26.51	Peak	94.00	400	Horizontal	Pass
5**	12476.388	38.37	54.0	15.63	AV	94.00	400	Horizontal	Pass
6	16191.225	51.74	74.0	22.26	Peak	20.00	400	Horizontal	Pass
6**	16191.225	41.01	54.0	12.99	AV	20.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1156.412	39.64	74.0	34.36	Peak	68.00	100	Vertical	Pass
1**	1156.412	31.45	54.0	22.55	AV	68.00	100	Vertical	Pass
2	1336.452	48.28	74.0	25.72	Peak	341.00	400	Vertical	Pass
2**	1336.452	35.49	54.0	18.51	AV	341.00	400	Vertical	Pass
3	4933.120	49.42	74.0	24.58	Peak	301.00	200	Vertical	Pass
3**	4933.120	37.41	54.0	16.59	AV	301.00	200	Vertical	Pass
4	7935.396	48.99	74.0	25.02	Peak	252.00	300	Vertical	Pass
4**	7935.396	39.54	54.0	14.46	AV	252.00	300	Vertical	Pass
5	12493.473	54.49	74.0	19.51	Peak	348.00	300	Vertical	Pass
5**	12493.473	38.03	54.0	15.97	AV	348.00	300	Vertical	Pass
6	17105.601	51.68	74.0	22.32	Peak	360.00	400	Vertical	Pass
6**	17105.601	39.04	54.0	14.96	AV	360.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1536.187	37.19	74.0	36.81	Peak	301.00	100	Horizontal	Pass
1**	1536.187	27.25	54.0	26.75	AV	301.00	100	Horizontal	Pass
2	3952.335	47.81	74.0	26.19	Peak	8.00	400	Horizontal	Pass
2**	3952.335	38.62	54.0	15.38	AV	8.00	400	Horizontal	Pass
3	4886.960	49.40	74.0	24.61	Peak	111.00	200	Horizontal	Pass
3**	4886.960	40.52	54.0	13.48	AV	111.00	200	Horizontal	Pass
4	7337.932	44.11	74.0	29.90	Peak	73.00	400	Horizontal	Pass
4**	7337.932	35.67	54.0	18.33	AV	73.00	400	Horizontal	Pass
5	12477.435	47.33	74.0	26.67	Peak	205.00	300	Horizontal	Pass
5**	12477.435	38.14	54.0	15.87	AV	205.00	300	Horizontal	Pass
6	16190.989	51.53	74.0	22.47	Peak	43.00	300	Horizontal	Pass
6**	16190.989	40.99	54.0	13.01	AV	43.00	300	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	1162.351	39.49	74.0	34.51	Peak	255.00	200	Vertical	Pass
1**	1162.351	31.16	54.0	22.84	AV	255.00	200	Vertical	Pass
2	1335.753	48.27	74.0	25.73	Peak	112.00	200	Vertical	Pass
2**	1335.753	35.43	54.0	18.57	AV	112.00	200	Vertical	Pass
3	4932.489	49.12	74.0	24.88	Peak	48.00	200	Vertical	Pass
3**	4932.489	37.21	54.0	16.79	AV	48.00	200	Vertical	Pass
4	7939.655	48.94	74.0	25.06	Peak	285.00	300	Vertical	Pass
4**	7939.655	39.35	54.0	14.65	AV	285.00	300	Vertical	Pass
5	12495.227	54.36	74.0	19.64	Peak	157.00	200	Vertical	Pass
5**	12495.227	37.92	54.0	16.08	AV	157.00	200	Vertical	Pass
6	17098.471	51.39	74.0	22.61	Peak	308.00	100	Vertical	Pass
6**	17098.471	38.75	54.0	15.25	AV	308.00	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	1535.062	37.92	74.0	36.08	Peak	8.00	100	Horizontal	Pass
1**	1535.062	28.04	54.0	25.96	AV	8.00	100	Horizontal	Pass
2	3955.836	48.81	74.0	25.19	Peak	272.00	200	Horizontal	Pass
2**	3955.836	39.44	54.0	14.56	AV	272.00	200	Horizontal	Pass
3	4892.656	50.15	74.0	23.85	Peak	317.00	200	Horizontal	Pass
3**	4892.656	41.13	54.0	12.88	AV	317.00	200	Horizontal	Pass
4	7336.811	45.16	74.0	28.85	Peak	106.00	100	Horizontal	Pass
4**	7336.811	35.98	54.0	18.02	AV	106.00	100	Horizontal	Pass
5	12481.908	47.93	74.0	26.07	Peak	256.00	100	Horizontal	Pass
5**	12481.908	38.85	54.0	15.15	AV	256.00	100	Horizontal	Pass
6	16187.198	52.22	74.0	21.78	Peak	173.00	400	Horizontal	Pass
6**	16187.198	41.60	54.0	12.40	AV	173.00	400	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	1158.286	40.11	74.0	33.89	Peak	78.00	200	Vertical	Pass
1**	1158.286	31.81	54.0	22.19	AV	78.00	200	Vertical	Pass
2	1337.732	49.00	74.0	25.00	Peak	20.00	400	Vertical	Pass
2**	1337.732	36.01	54.0	17.99	AV	20.00	400	Vertical	Pass
3	4926.813	50.13	74.0	23.87	Peak	222.00	200	Vertical	Pass
3**	4926.813	38.32	54.0	15.68	AV	222.00	200	Vertical	Pass
4	7939.668	49.71	74.0	24.29	Peak	73.00	300	Vertical	Pass
4**	7939.668	39.85	54.0	14.15	AV	73.00	300	Vertical	Pass
5	12495.333	55.32	74.0	18.68	Peak	20.00	200	Vertical	Pass
5**	12495.333	38.58	54.0	15.42	AV	20.00	200	Vertical	Pass
6	17098.621	52.29	74.0	21.71	Peak	300.00	400	Vertical	Pass
6**	17098.621	39.63	54.0	14.37	AV	300.00	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	1535.613	37.94	74.0	36.06	Peak	314.00	200	Horizontal	Pass
1**	1535.613	27.62	54.0	26.38	AV	314.00	200	Horizontal	Pass
2	3948.546	48.58	74.0	25.42	Peak	334.00	200	Horizontal	Pass
2**	3948.546	38.98	54.0	15.02	AV	334.00	200	Horizontal	Pass
3	4887.934	50.22	74.0	23.78	Peak	341.00	200	Horizontal	Pass
3**	4887.934	40.93	54.0	13.07	AV	341.00	200	Horizontal	Pass
4	7340.777	44.90	74.0	29.10	Peak	277.00	100	Horizontal	Pass
4**	7340.777	35.99	54.0	18.01	AV	277.00	100	Horizontal	Pass
5	12479.001	47.89	74.0	26.11	Peak	258.00	300	Horizontal	Pass
5**	12479.001	38.71	54.0	15.29	AV	258.00	300	Horizontal	Pass
6	16188.213	51.96	74.0	22.05	Peak	187.00	400	Horizontal	Pass
6**	16188.213	41.28	54.0	12.73	AV	187.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1160.434	40.13	74.0	33.87	Peak	251.00	200	Vertical	Pass
1**	1160.434	31.48	54.0	22.53	AV	251.00	200	Vertical	Pass
2	1330.492	48.84	74.0	25.16	Peak	36.00	300	Vertical	Pass
2**	1330.492	36.16	54.0	17.84	AV	36.00	300	Vertical	Pass
3	4932.337	49.71	74.0	24.29	Peak	60.00	200	Vertical	Pass
3**	4932.337	38.03	54.0	15.97	AV	60.00	200	Vertical	Pass
4	7935.999	49.43	74.0	24.57	Peak	21.00	300	Vertical	Pass
4**	7935.999	40.09	54.0	13.91	AV	21.00	300	Vertical	Pass
5	12497.002	55.11	74.0	18.89	Peak	39.00	400	Vertical	Pass
5**	12497.002	38.41	54.0	15.60	AV	39.00	400	Vertical	Pass
6	17101.602	52.26	74.0	21.74	Peak	250.00	200	Vertical	Pass
6**	17101.602	39.42	54.0	14.58	AV	250.00	200	Vertical	Pass

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

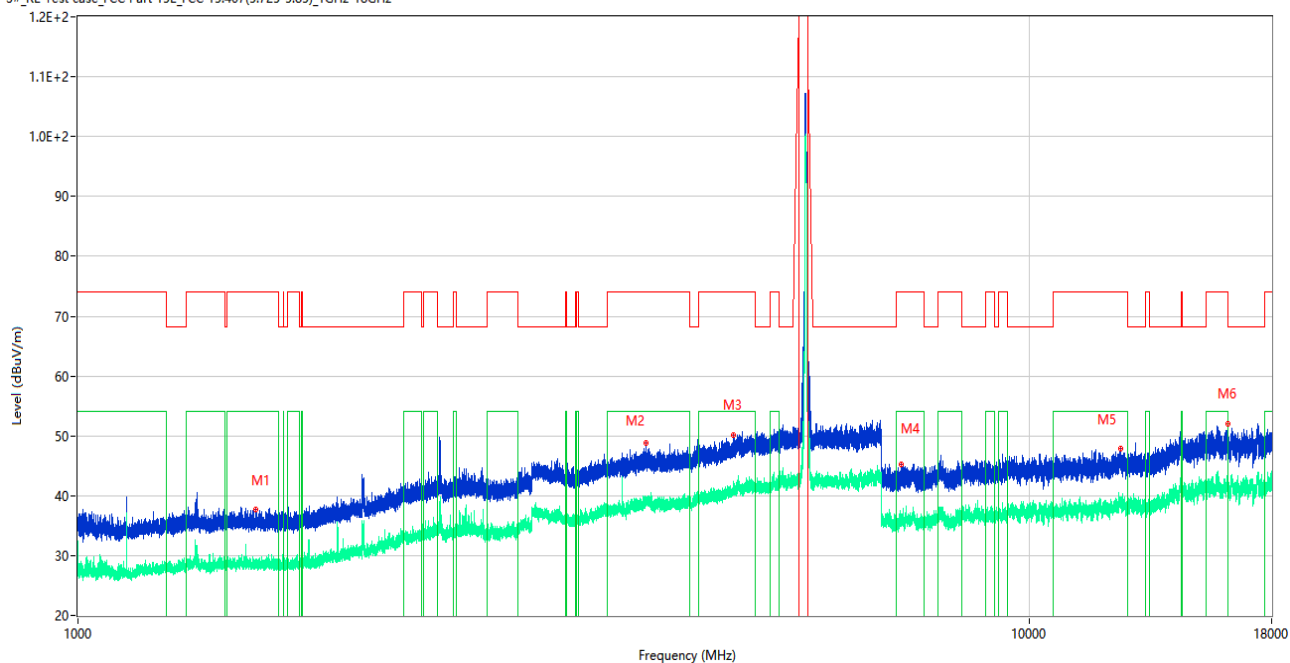
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1534.147	37.58	74.0	36.42	Peak	290.00	300	Horizontal	Pass
1**	1534.147	27.80	54.0	26.20	AV	290.00	300	Horizontal	Pass
2	3952.757	48.72	74.0	25.28	Peak	357.00	100	Horizontal	Pass
2**	3952.757	39.01	54.0	14.99	AV	357.00	100	Horizontal	Pass
3	4892.975	49.75	74.0	24.26	Peak	184.00	200	Horizontal	Pass
3**	4892.975	40.87	54.0	13.13	AV	184.00	200	Horizontal	Pass
4	7338.389	44.80	74.0	29.21	Peak	164.00	300	Horizontal	Pass
4**	7338.389	35.74	54.0	18.27	AV	164.00	300	Horizontal	Pass
5	12477.833	47.52	74.0	26.48	Peak	317.00	200	Horizontal	Pass
5**	12477.833	38.84	54.0	15.16	AV	317.00	200	Horizontal	Pass
6	16188.587	51.78	74.0	22.22	Peak	337.00	100	Horizontal	Pass
6**	16188.587	41.25	54.0	12.75	AV	337.00	100	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	1161.718	39.88	74.0	34.12	Peak	188.00	100	Vertical	Pass
1**	1161.718	31.52	54.0	22.48	AV	188.00	100	Vertical	Pass
2	1338.031	48.48	74.0	25.52	Peak	244.00	200	Vertical	Pass
2**	1338.031	35.81	54.0	18.19	AV	244.00	200	Vertical	Pass
3	4931.363	49.50	74.0	24.50	Peak	157.00	200	Vertical	Pass
3**	4931.363	37.95	54.0	16.05	AV	157.00	200	Vertical	Pass
4	7936.774	49.49	74.0	24.51	Peak	338.00	200	Vertical	Pass
4**	7936.774	39.87	54.0	14.14	AV	338.00	200	Vertical	Pass
5	12492.820	55.02	74.0	18.98	Peak	169.00	400	Vertical	Pass
5**	12492.820	38.38	54.0	15.63	AV	169.00	400	Vertical	Pass
6	17103.128	51.78	74.0	22.22	Peak	80.00	200	Vertical	Pass
6**	17103.128	39.27	54.0	14.73	AV	80.00	200	Vertical	Pass

11ac20, U-NII-3, 1 GHz to 18 GHz, High 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	1536.741	37.43	74.0	36.57	Peak	287.00	300	Horizontal	Pass
1**	1536.741	27.44	54.0	26.56	AV	287.00	300	Horizontal	Pass
2	3950.758	48.29	74.0	25.71	Peak	257.00	200	Horizontal	Pass
2**	3950.758	38.88	54.0	15.13	AV	257.00	200	Horizontal	Pass
3	4886.562	49.49	74.0	24.51	Peak	301.00	200	Horizontal	Pass
3**	4886.562	40.74	54.0	13.26	AV	301.00	200	Horizontal	Pass
4	7333.925	44.38	74.0	29.62	Peak	224.00	300	Horizontal	Pass
4**	7333.925	35.77	54.0	18.23	AV	224.00	300	Horizontal	Pass
5	12476.520	47.26	74.0	26.75	Peak	16.00	100	Horizontal	Pass
5**	12476.520	38.59	54.0	15.41	AV	16.00	100	Horizontal	Pass
6	16185.783	51.71	74.0	22.29	Peak	284.00	100	Horizontal	Pass
6**	16185.783	43.31	54.0	10.69	AV	284.00	100	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	1160.728	39.84	74.0	34.17	Peak	3.00	100	Vertical	Pass
1**	1160.728	31.50	54.0	22.50	AV	3.00	100	Vertical	Pass
2	1336.473	48.40	74.0	25.60	Peak	242.00	200	Vertical	Pass
2**	1336.473	35.52	54.0	18.48	AV	242.00	200	Vertical	Pass
3	4929.006	49.61	74.0	24.39	Peak	282.00	200	Vertical	Pass
3**	4929.006	37.64	54.0	16.36	AV	282.00	200	Vertical	Pass
4	7939.336	49.06	74.0	24.94	Peak	35.00	300	Vertical	Pass
4**	7939.336	39.51	54.0	14.49	AV	35.00	300	Vertical	Pass
5	12494.895	54.61	74.0	19.39	Peak	213.00	100	Vertical	Pass
5**	12494.895	38.01	54.0	15.99	AV	213.00	100	Vertical	Pass
6	17101.636	51.73	74.0	22.27	Peak	315.00	200	Vertical	Pass
6**	17101.636	39.03	54.0	14.97	AV	315.00	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	1537.686	37.30	74.0	36.70	Peak	232.00	100	Horizontal	Pass
1**	1537.686	27.40	54.0	26.60	AV	232.00	100	Horizontal	Pass
2	3949.338	48.05	74.0	25.95	Peak	236.00	400	Horizontal	Pass
2**	3949.338	38.83	54.0	15.17	AV	236.00	400	Horizontal	Pass
3	4885.427	49.61	74.0	24.39	Peak	88.00	200	Horizontal	Pass
3**	4885.427	40.62	54.0	13.38	AV	88.00	200	Horizontal	Pass
4	7333.383	44.60	74.0	29.41	Peak	114.00	400	Horizontal	Pass
4**	7333.383	35.60	54.0	18.40	AV	114.00	400	Horizontal	Pass
5	12475.179	47.24	74.0	26.76	Peak	140.00	200	Horizontal	Pass
5**	12475.179	38.14	54.0	15.86	AV	140.00	200	Horizontal	Pass
6	16187.478	51.79	74.0	22.22	Peak	178.00	100	Horizontal	Pass
6**	16187.478	41.06	54.0	12.94	AV	178.00	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	1160.835	39.83	74.0	34.17	Peak	277.00	100	Vertical	Pass
1**	1160.835	31.22	54.0	22.78	AV	277.00	100	Vertical	Pass
2	1334.992	48.14	74.0	25.87	Peak	300.00	300	Vertical	Pass
2**	1334.992	35.65	54.0	18.35	AV	300.00	300	Vertical	Pass
3	4926.126	49.53	74.0	24.47	Peak	185.00	200	Vertical	Pass
3**	4926.126	37.40	54.0	16.60	AV	185.00	200	Vertical	Pass
4	7939.679	48.82	74.0	25.18	Peak	78.00	200	Vertical	Pass
4**	7939.679	39.41	54.0	14.60	AV	78.00	200	Vertical	Pass
5	12493.278	54.62	74.0	19.38	Peak	137.00	100	Vertical	Pass
5**	12493.278	37.96	54.0	16.04	AV	137.00	100	Vertical	Pass
6	17103.987	51.67	74.0	22.33	Peak	186.00	100	Vertical	Pass
6**	17103.987	38.97	54.0	15.03	AV	186.00	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	1534.258	37.04	74.0	36.96	Peak	350.00	100	Horizontal	Pass
1**	1534.258	27.06	54.0	26.94	AV	350.00	100	Horizontal	Pass
2	3955.797	47.81	74.0	26.19	Peak	97.00	300	Horizontal	Pass
2**	3955.797	38.35	54.0	15.65	AV	97.00	300	Horizontal	Pass
3	4889.694	49.11	74.0	24.89	Peak	36.00	200	Horizontal	Pass
3**	4889.694	40.41	54.0	13.59	AV	36.00	200	Horizontal	Pass
4	7334.798	44.27	74.0	29.73	Peak	285.00	100	Horizontal	Pass
4**	7334.798	35.61	54.0	18.39	AV	285.00	100	Horizontal	Pass
5	12478.492	47.39	74.0	26.61	Peak	169.00	200	Horizontal	Pass
5**	12478.492	38.13	54.0	15.87	AV	169.00	200	Horizontal	Pass
6	16187.710	51.59	74.0	22.41	Peak	95.00	100	Horizontal	Pass
6**	16187.710	40.90	54.0	13.10	AV	95.00	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	1163.049	39.62	74.0	34.38	Peak	215.00	400	Vertical	Pass
1**	1163.049	31.19	54.0	22.81	AV	215.00	400	Vertical	Pass
2	1331.111	48.05	74.0	25.95	Peak	248.00	300	Vertical	Pass
2**	1331.111	35.39	54.0	18.61	AV	248.00	300	Vertical	Pass
3	4926.526	49.25	74.0	24.76	Peak	307.00	200	Vertical	Pass
3**	4926.526	37.14	54.0	16.86	AV	307.00	200	Vertical	Pass
4	7940.319	48.76	74.0	25.24	Peak	98.00	200	Vertical	Pass
4**	7940.319	39.30	54.0	14.70	AV	98.00	200	Vertical	Pass
5	12497.236	54.33	74.0	19.67	Peak	343.00	100	Vertical	Pass
5**	12497.236	37.92	54.0	16.08	AV	343.00	100	Vertical	Pass
6	17101.872	51.65	74.0	22.35	Peak	197.00	100	Vertical	Pass
6**	17101.872	38.99	54.0	15.01	AV	197.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1533.514	36.95	74.0	37.05	Peak	174.00	300	Horizontal	Pass
1**	1533.514	27.19	54.0	26.81	AV	174.00	300	Horizontal	Pass
2	3955.466	47.60	74.0	26.40	Peak	86.00	300	Horizontal	Pass
2**	3955.466	38.57	54.0	15.43	AV	86.00	300	Horizontal	Pass
3	4885.738	49.30	74.0	24.70	Peak	139.00	200	Horizontal	Pass
3**	4885.738	40.30	54.0	13.71	AV	139.00	200	Horizontal	Pass
4	7334.877	44.03	74.0	29.98	Peak	342.00	100	Horizontal	Pass
4**	7334.877	35.46	54.0	18.54	AV	342.00	100	Horizontal	Pass
5	12481.142	47.32	74.0	26.68	Peak	146.00	300	Horizontal	Pass
5**	12481.142	37.91	54.0	16.09	AV	146.00	300	Horizontal	Pass
6	16192.014	51.42	74.0	22.58	Peak	326.00	300	Horizontal	Pass
6**	16192.014	40.85	54.0	13.15	AV	326.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1157.778	39.24	74.0	34.76	Peak	176.00	300	Vertical	Pass
1**	1157.778	31.12	54.0	22.88	AV	176.00	300	Vertical	Pass
2	1335.527	48.03	74.0	25.98	Peak	75.00	100	Vertical	Pass
2**	1335.527	35.32	54.0	18.68	AV	75.00	100	Vertical	Pass
3	4933.585	48.97	74.0	25.03	Peak	340.00	200	Vertical	Pass
3**	4933.585	37.03	54.0	16.97	AV	340.00	200	Vertical	Pass
4	7935.335	48.75	74.0	25.25	Peak	103.00	100	Vertical	Pass
4**	7935.335	39.29	54.0	14.71	AV	103.00	100	Vertical	Pass
5	12493.565	54.20	74.0	19.80	Peak	86.00	200	Vertical	Pass
5**	12493.565	37.86	54.0	16.14	AV	86.00	200	Vertical	Pass
6	17102.439	51.32	74.0	22.68	Peak	338.00	400	Vertical	Pass
6**	17102.439	38.61	54.0	15.39	AV	338.00	400	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	1532.733	38.18	74.0	35.82	Peak	216.00	100	Horizontal	Pass
1**	1532.733	28.01	54.0	25.99	AV	216.00	100	Horizontal	Pass
2	3951.812	48.94	74.0	25.06	Peak	141.00	100	Horizontal	Pass
2**	3951.812	39.39	54.0	14.61	AV	141.00	100	Horizontal	Pass
3	4891.341	50.03	74.0	23.97	Peak	345.00	200	Horizontal	Pass
3**	4891.341	41.39	54.0	12.61	AV	345.00	200	Horizontal	Pass
4	7338.265	45.17	74.0	28.83	Peak	161.00	100	Horizontal	Pass
4**	7338.265	36.20	54.0	17.80	AV	161.00	100	Horizontal	Pass
5	12475.888	48.13	74.0	25.87	Peak	12.00	400	Horizontal	Pass
5**	12475.888	39.16	54.0	14.84	AV	12.00	400	Horizontal	Pass
6	16192.583	52.21	74.0	21.79	Peak	209.00	400	Horizontal	Pass
6**	16192.583	42.00	54.0	12.00	AV	209.00	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	1154.598	40.42	74.0	33.58	Peak	94.00	400	Vertical	Pass
1**	1154.598	31.97	54.0	22.03	AV	94.00	400	Vertical	Pass
2	1330.663	49.04	74.0	24.96	Peak	303.00	200	Vertical	Pass
2**	1330.663	36.06	54.0	17.94	AV	303.00	200	Vertical	Pass
3	4930.286	50.21	74.0	23.79	Peak	251.00	200	Vertical	Pass
3**	4930.286	38.08	54.0	15.92	AV	251.00	200	Vertical	Pass
4	7934.072	49.78	74.0	24.22	Peak	94.00	100	Vertical	Pass
4**	7934.072	40.12	54.0	13.88	AV	94.00	100	Vertical	Pass
5	12493.405	55.30	74.0	18.71	Peak	301.00	400	Vertical	Pass
5**	12493.405	38.82	54.0	15.19	AV	301.00	400	Vertical	Pass
6	17099.761	52.32	74.0	21.68	Peak	305.00	300	Vertical	Pass
6**	17099.761	39.71	54.0	14.29	AV	305.00	300	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	1533.466	37.80	74.0	36.20	Peak	5.00	400	Horizontal	Pass
1**	1533.466	28.10	54.0	25.91	AV	5.00	400	Horizontal	Pass
2	3951.140	48.80	74.0	25.20	Peak	57.00	300	Horizontal	Pass
2**	3951.140	39.23	54.0	14.77	AV	57.00	300	Horizontal	Pass
3	4894.119	49.89	74.0	24.11	Peak	122.00	200	Horizontal	Pass
3**	4894.119	41.19	54.0	12.81	AV	122.00	200	Horizontal	Pass
4	7334.746	45.12	74.0	28.89	Peak	205.00	100	Horizontal	Pass
4**	7334.746	36.05	54.0	17.95	AV	205.00	100	Horizontal	Pass
5	12477.351	47.62	74.0	26.39	Peak	75.00	400	Horizontal	Pass
5**	12477.351	39.11	54.0	14.90	AV	75.00	400	Horizontal	Pass
6	16187.405	52.30	74.0	21.70	Peak	208.00	400	Horizontal	Pass
6**	16187.405	42.05	54.0	11.95	AV	208.00	400	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	1157.456	40.03	74.0	33.97	Peak	191.00	100	Vertical	Pass
1**	1157.456	31.78	54.0	22.22	AV	191.00	100	Vertical	Pass
2	1329.383	48.89	74.0	25.11	Peak	228.00	100	Vertical	Pass
2**	1329.383	36.11	54.0	17.89	AV	228.00	100	Vertical	Pass
3	4932.128	50.27	74.0	23.73	Peak	50.00	200	Vertical	Pass
3**	4932.128	37.91	54.0	16.09	AV	50.00	200	Vertical	Pass
4	7932.945	49.69	74.0	24.31	Peak	19.00	100	Vertical	Pass
4**	7932.945	39.94	54.0	14.06	AV	19.00	100	Vertical	Pass
5	12496.980	55.11	74.0	18.89	Peak	36.00	100	Vertical	Pass
5**	12496.980	38.48	54.0	15.52	AV	36.00	100	Vertical	Pass
6	17099.861	52.23	74.0	21.77	Peak	290.00	400	Vertical	Pass
6**	17099.861	39.69	54.0	14.31	AV	290.00	400	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	1536.492	37.51	74.0	36.49	Peak	353.00	200	Horizontal	Pass
1**	1536.492	27.88	54.0	26.13	AV	353.00	200	Horizontal	Pass
2	3953.845	48.44	74.0	25.56	Peak	323.00	100	Horizontal	Pass
2**	3953.845	39.22	54.0	14.78	AV	323.00	100	Horizontal	Pass
3	4893.410	49.66	74.0	24.34	Peak	49.00	200	Horizontal	Pass
3**	4893.410	40.91	54.0	13.09	AV	49.00	200	Horizontal	Pass
4	7338.727	45.00	74.0	29.00	Peak	199.00	200	Horizontal	Pass
4**	7338.727	35.93	54.0	18.08	AV	199.00	200	Horizontal	Pass
5	12474.677	47.59	74.0	26.41	Peak	135.00	300	Horizontal	Pass
5**	12474.677	39.07	54.0	14.93	AV	135.00	300	Horizontal	Pass
6	16194.987	51.82	74.0	22.18	Peak	119.00	300	Horizontal	Pass
6**	16194.987	41.69	54.0	12.31	AV	119.00	300	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	1155.599	39.81	74.0	34.19	Peak	337.00	400	Vertical	Pass
1**	1155.599	31.59	54.0	22.41	AV	337.00	400	Vertical	Pass
2	1327.929	48.72	74.0	25.28	Peak	161.00	200	Vertical	Pass
2**	1327.929	36.05	54.0	17.95	AV	161.00	200	Vertical	Pass
3	4925.830	50.12	74.0	23.88	Peak	67.00	200	Vertical	Pass
3**	4925.830	38.05	54.0	15.95	AV	67.00	200	Vertical	Pass
4	7937.608	49.30	74.0	24.70	Peak	35.00	300	Vertical	Pass
4**	7937.608	39.90	54.0	14.10	AV	35.00	300	Vertical	Pass
5	12491.745	54.89	74.0	19.11	Peak	301.00	100	Vertical	Pass
5**	12491.745	38.16	54.0	15.84	AV	301.00	100	Vertical	Pass
6	17095.294	51.83	74.0	22.17	Peak	357.00	400	Vertical	Pass
6**	17095.294	39.47	54.0	14.53	AV	357.00	400	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	1534.298	37.68	74.0	36.32	Peak	167.00	200	Horizontal	Pass
1**	1534.298	27.88	54.0	26.12	AV	167.00	200	Horizontal	Pass
2	3952.339	48.57	74.0	25.43	Peak	105.00	400	Horizontal	Pass
2**	3952.339	39.25	54.0	14.76	AV	105.00	400	Horizontal	Pass
3	4889.174	49.67	74.0	24.33	Peak	255.00	200	Horizontal	Pass
3**	4889.174	41.03	54.0	12.97	AV	255.00	200	Horizontal	Pass
4	7339.236	44.76	74.0	29.24	Peak	68.00	400	Horizontal	Pass
4**	7339.236	35.78	54.0	18.23	AV	68.00	400	Horizontal	Pass
5	12478.042	47.46	74.0	26.54	Peak	22.00	200	Horizontal	Pass
5**	12478.042	38.77	54.0	15.23	AV	22.00	200	Horizontal	Pass
6	16188.564	51.77	74.0	22.23	Peak	205.00	300	Horizontal	Pass
6**	16188.564	41.51	54.0	12.49	AV	205.00	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	1155.691	39.50	74.0	34.50	Peak	39.00	400	Vertical	Pass
1**	1155.691	31.34	54.0	22.67	AV	39.00	400	Vertical	Pass
2	1326.897	48.31	74.0	25.69	Peak	337.00	200	Vertical	Pass
2**	1326.897	35.83	54.0	18.17	AV	337.00	200	Vertical	Pass
3	4930.858	49.84	74.0	24.16	Peak	46.00	200	Vertical	Pass
3**	4930.858	37.86	54.0	16.14	AV	46.00	200	Vertical	Pass
4	7939.924	49.24	74.0	24.76	Peak	112.00	200	Vertical	Pass
4**	7939.924	39.60	54.0	14.40	AV	112.00	200	Vertical	Pass
5	12494.200	54.93	74.0	19.07	Peak	17.00	100	Vertical	Pass
5**	12494.200	37.96	54.0	16.05	AV	17.00	100	Vertical	Pass
6	17099.660	51.83	74.0	22.17	Peak	174.00	100	Vertical	Pass
6**	17099.660	39.38	54.0	14.62	AV	174.00	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	1533.912	37.29	74.0	36.71	Peak	135.00	200	Horizontal	Pass
1**	1533.912	27.83	54.0	26.17	AV	135.00	200	Horizontal	Pass
2	3954.731	48.45	74.0	25.55	Peak	22.00	400	Horizontal	Pass
2**	3954.731	38.89	54.0	15.11	AV	22.00	400	Horizontal	Pass
3	4889.524	49.53	74.0	24.47	Peak	156.00	200	Horizontal	Pass
3**	4889.524	40.80	54.0	13.20	AV	156.00	200	Horizontal	Pass
4	7335.743	44.58	74.0	29.42	Peak	155.00	200	Horizontal	Pass
4**	7335.743	35.55	54.0	18.45	AV	155.00	200	Horizontal	Pass
5	12479.059	47.31	74.0	26.69	Peak	150.00	300	Horizontal	Pass
5**	12479.059	38.85	54.0	15.15	AV	150.00	300	Horizontal	Pass
6	16193.651	51.61	74.0	22.39	Peak	158.00	400	Horizontal	Pass
6**	16193.651	41.47	54.0	12.53	AV	158.00	400	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	1156.286	39.49	74.0	34.51	Peak	337.00	200	Vertical	Pass
1**	1156.286	31.33	54.0	22.67	AV	337.00	200	Vertical	Pass
2	1327.819	48.08	74.0	25.92	Peak	162.00	400	Vertical	Pass
2**	1327.819	35.72	54.0	18.28	AV	162.00	400	Vertical	Pass
3	4925.805	49.47	74.0	24.53	Peak	259.00	200	Vertical	Pass
3**	4925.805	37.64	54.0	16.36	AV	259.00	200	Vertical	Pass
4	7934.789	49.07	74.0	24.93	Peak	358.00	400	Vertical	Pass
4**	7934.789	39.66	54.0	14.34	AV	358.00	400	Vertical	Pass
5	12499.196	54.76	74.0	19.24	Peak	196.00	100	Vertical	Pass
5**	12499.196	37.84	54.0	16.16	AV	196.00	100	Vertical	Pass
6	17095.124	51.35	74.0	22.65	Peak	193.00	400	Vertical	Pass
6**	17095.124	39.12	54.0	14.88	AV	193.00	400	Vertical	Pass

11ax80(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	1535.348	36.98	74.0	37.02	Peak	335.00	200	Horizontal	Pass
1**	1535.348	27.53	54.0	26.47	AV	335.00	200	Horizontal	Pass
2	3948.909	48.34	74.0	25.66	Peak	44.00	300	Horizontal	Pass
2**	3948.909	38.54	54.0	15.46	AV	44.00	300	Horizontal	Pass
3	4894.534	49.31	74.0	24.69	Peak	198.00	200	Horizontal	Pass
3**	4894.534	40.60	54.0	13.40	AV	198.00	200	Horizontal	Pass
4	7337.037	44.20	74.0	29.80	Peak	142.00	300	Horizontal	Pass
4**	7337.037	35.58	54.0	18.42	AV	142.00	300	Horizontal	Pass
5	12475.682	46.94	74.0	27.06	Peak	360.00	100	Horizontal	Pass
5**	12475.682	38.80	54.0	15.20	AV	360.00	100	Horizontal	Pass
6	16189.014	51.49	74.0	22.51	Peak	47.00	400	Horizontal	Pass
6**	16189.014	41.24	54.0	12.76	AV	47.00	400	Horizontal	Pass

11ax80(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	1158.336	39.31	74.0	34.69	Peak	1.00	200	Vertical	Pass
1**	1158.336	31.13	54.0	22.87	AV	1.00	200	Vertical	Pass
2	1329.237	48.06	74.0	25.95	Peak	311.00	100	Vertical	Pass
2**	1329.237	35.52	54.0	18.48	AV	311.00	100	Vertical	Pass
3	4925.783	49.22	74.0	24.78	Peak	168.00	200	Vertical	Pass
3**	4925.783	37.39	54.0	16.61	AV	168.00	200	Vertical	Pass
4	7933.911	48.74	74.0	25.26	Peak	135.00	400	Vertical	Pass
4**	7933.911	39.13	54.0	14.87	AV	135.00	400	Vertical	Pass
5	12498.735	54.30	74.0	19.70	Peak	320.00	200	Vertical	Pass
5**	12498.735	37.99	54.0	16.01	AV	320.00	200	Vertical	Pass
6	17102.153	51.38	74.0	22.62	Peak	85.00	200	Vertical	Pass
6**	17102.153	39.09	54.0	14.91	AV	85.00	200	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

Test Band	Mode	Channel	Verdict
U-NII-1	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass
	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
	802.11ac(VHT80)	Middle	Pass
	802.11ax(HE20)(SU)	Low	Pass
		High	Pass
	802.11ax(HE40)(SU)	Low	Pass
		High	Pass
	802.11ax(HE80)(SU)	Middle	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	5146.276	57.04	74.0	16.96	Peak	18.00	200	Horizontal	Pass
1**	5146.276	41.02	54.0	12.98	AV	18.00	200	Horizontal	Pass
2	5150.000	55.42	74.0	18.58	Peak	143.00	300	Horizontal	Pass
2**	5150.000	41.04	54.0	12.96	AV	143.00	300	Horizontal	Pass

U-NII-1 11a High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	51.78	74.0	22.22	Peak	325.00	200	Horizontal	Pass
1**	5350.000	41.49	54.0	12.51	AV	325.00	200	Horizontal	Pass
2	5373.051	54.02	74.0	19.98	Peak	226.00	300	Horizontal	Pass
2**	5373.051	41.72	54.0	12.28	AV	226.00	300	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	5145.862	57.60	74.0	16.40	Peak	65.00	300	Horizontal	Pass
1**	5145.862	41.66	54.0	12.34	AV	65.00	300	Horizontal	Pass
2	5150.000	56.10	74.0	17.90	Peak	321.00	100	Horizontal	Pass
2**	5150.000	41.69	54.0	12.31	AV	321.00	100	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	51.51	74.0	22.49	Peak	353.00	300	Horizontal	Pass
1**	5350.000	41.60	54.0	12.40	AV	353.00	300	Horizontal	Pass
2	5374.155	53.66	74.0	20.34	Peak	157.00	300	Horizontal	Pass
2**	5374.155	41.43	54.0	12.57	AV	157.00	300	Horizontal	Pass

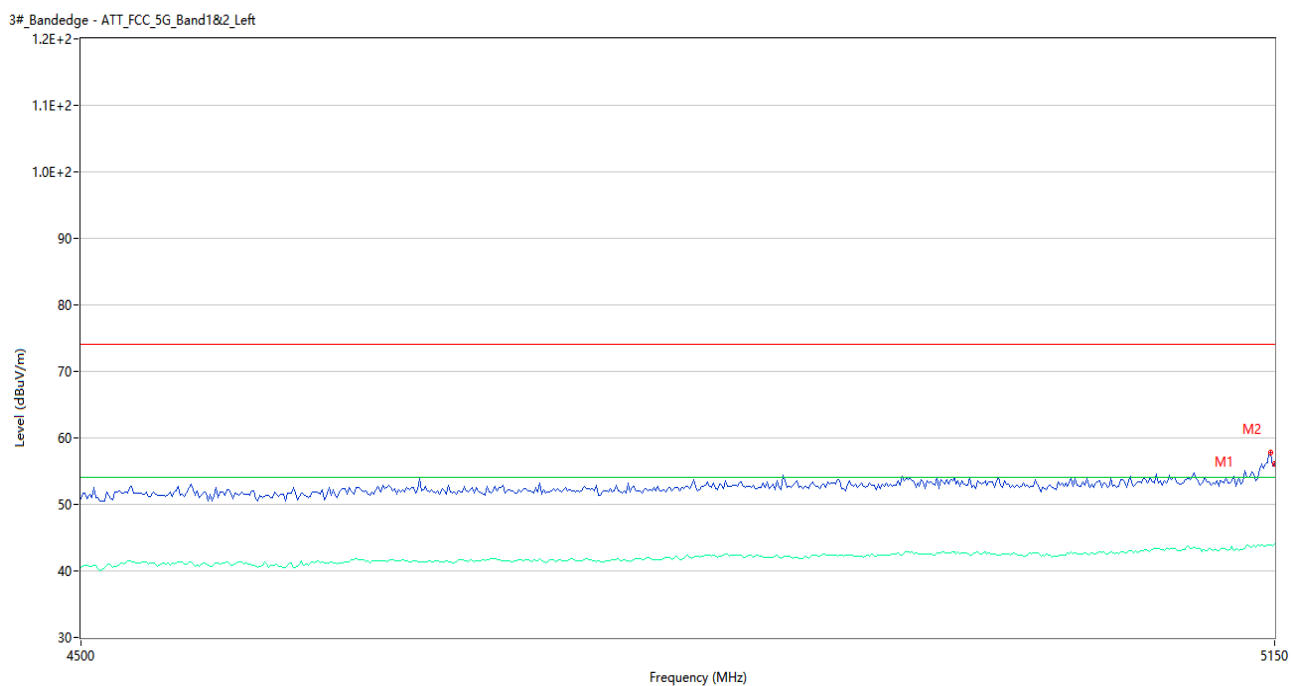
U-NII-1 11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5146.775	51.81	74.0	22.19	Peak	313.00	100	Horizontal	Pass
1**	5146.775	39.67	54.0	14.33	AV	313.00	100	Horizontal	Pass
2	5150.000	53.72	74.0	20.28	Peak	49.00	200	Horizontal	Pass
2**	5150.000	40.29	54.0	13.71	AV	49.00	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	51.08	74.0	22.92	Peak	16.00	300	Horizontal	Pass
1**	5350.000	41.26	54.0	12.74	AV	16.00	300	Horizontal	Pass
2	5372.635	53.87	74.0	20.13	Peak	8.00	100	Horizontal	Pass
2**	5372.635	41.71	54.0	12.29	AV	8.00	100	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	5147.843	51.44	74.0	22.56	Peak	24.00	300	Horizontal	Pass
1**	5147.843	41.81	54.0	12.19	AV	24.00	300	Horizontal	Pass
2	5150.000	53.44	74.0	20.56	Peak	127.00	200	Horizontal	Pass
2**	5150.000	40.22	54.0	13.78	AV	127.00	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	51.61	74.0	22.39	Peak	295.00	300	Horizontal	Pass
1**	5350.000	41.15	54.0	12.85	AV	295.00	300	Horizontal	Pass
2	5375.170	53.93	74.0	20.07	Peak	125.00	200	Horizontal	Pass
2**	5375.170	42.55	54.0	11.45	AV	125.00	200	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	5146.796	52.14	74.0	21.86	Peak	11.00	300	Horizontal	Pass
1**	5146.796	39.67	54.0	14.33	AV	11.00	300	Horizontal	Pass
2	5150.000	49.39	74.0	24.61	Peak	309.00	100	Horizontal	Pass
2**	5150.000	39.82	54.0	14.18	AV	309.00	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	51.00	74.0	23.00	Peak	39.00	100	Horizontal	Pass
1**	5350.000	41.65	54.0	12.35	AV	39.00	100	Horizontal	Pass
2	5372.636	53.92	74.0	20.08	Peak	7.00	300	Horizontal	Pass
2**	5372.636	41.29	54.0	12.71	AV	7.00	300	Horizontal	Pass

U-NII-1 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5140.542	54.18	74.0	19.82	Peak	255.00	300	Horizontal	Pass
1**	5140.542	42.06	54.0	11.94	AV	255.00	300	Horizontal	Pass
2	5150.000	52.57	74.0	21.43	Peak	151.00	100	Horizontal	Pass
2**	5150.000	40.91	54.0	13.09	AV	151.00	100	Horizontal	Pass

U-NII-1 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	50.91	74.0	23.09	Peak	353.00	200	Horizontal	Pass
1**	5350.000	40.90	54.0	13.10	AV	353.00	200	Horizontal	Pass
2	5374.035	54.47	74.0	19.53	Peak	114.00	200	Horizontal	Pass
2**	5374.035	41.41	54.0	12.59	AV	114.00	200	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	5145.400	57.89	74.0	16.11	Peak	74.00	300	Horizontal	Pass
1**	5145.400	40.47	54.0	13.53	AV	74.00	300	Horizontal	Pass
2	5150.000	54.07	74.0	19.93	Peak	350.00	100	Horizontal	Pass
2**	5150.000	38.84	54.0	15.16	AV	350.00	100	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	51.12	74.0	22.88	Peak	150.00	100	Horizontal	Pass
1**	5350.000	41.22	54.0	12.78	AV	150.00	100	Horizontal	Pass
2	5374.960	53.56	74.0	20.44	Peak	253.00	100	Horizontal	Pass
2**	5374.960	40.97	54.0	13.03	AV	253.00	100	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	5143.355	56.84	74.0	17.16	Peak	335.00	300	Horizontal	Pass
1**	5143.355	40.65	54.0	13.35	AV	335.00	300	Horizontal	Pass
2	5150.000	55.17	74.0	18.83	Peak	347.00	300	Horizontal	Pass
2**	5150.000	40.46	54.0	13.54	AV	347.00	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	50.88	74.0	23.12	Peak	150.00	300	Horizontal	Pass
1**	5350.000	41.10	54.0	12.90	AV	150.00	300	Horizontal	Pass
2	5375.852	53.23	74.0	20.77	Peak	358.00	100	Horizontal	Pass
2**	5375.852	41.30	54.0	12.70	AV	358.00	100	Horizontal	Pass

U-NII-1 11ax80(SU) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5144.308	56.61	74.0	17.39	Peak	108.00	200	Horizontal	Pass
1**	5144.308	40.26	54.0	13.74	AV	108.00	200	Horizontal	Pass
2	5150.000	54.79	74.0	19.21	Peak	331.00	200	Horizontal	Pass
2**	5150.000	40.23	54.0	13.77	AV	331.00	200	Horizontal	Pass

U-NII-1 11ax80(SU) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	51.50	74.0	22.50	Peak	279.00	100	Horizontal	Pass
1**	5350.000	41.27	54.0	12.73	AV	279.00	100	Horizontal	Pass
2	5374.616	53.47	74.0	20.53	Peak	40.00	100	Horizontal	Pass
2**	5374.616	41.25	54.0	12.75	AV	40.00	100	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	5635.205	53.87	68.2	14.33	Peak	147.00	300	Horizontal	Pass
2	5650.000	53.03	68.2	15.17	Peak	147.00	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	53.65	68.2	14.55	Peak	164.00	300	Horizontal	Pass
2	5943.163	53.44	68.2	14.76	Peak	237.00	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	5632.694	53.876	68.2	14.32	Peak	313.00	300	Horizontal	Pass
2	5650.000	53.662	68.2	14.54	Peak	313.00	300	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	53.568	68.2	14.63	Peak	84.00	300	Horizontal	Pass
2	5944.651	52.744	68.2	15.46	Peak	96.00	300	Horizontal	Pass

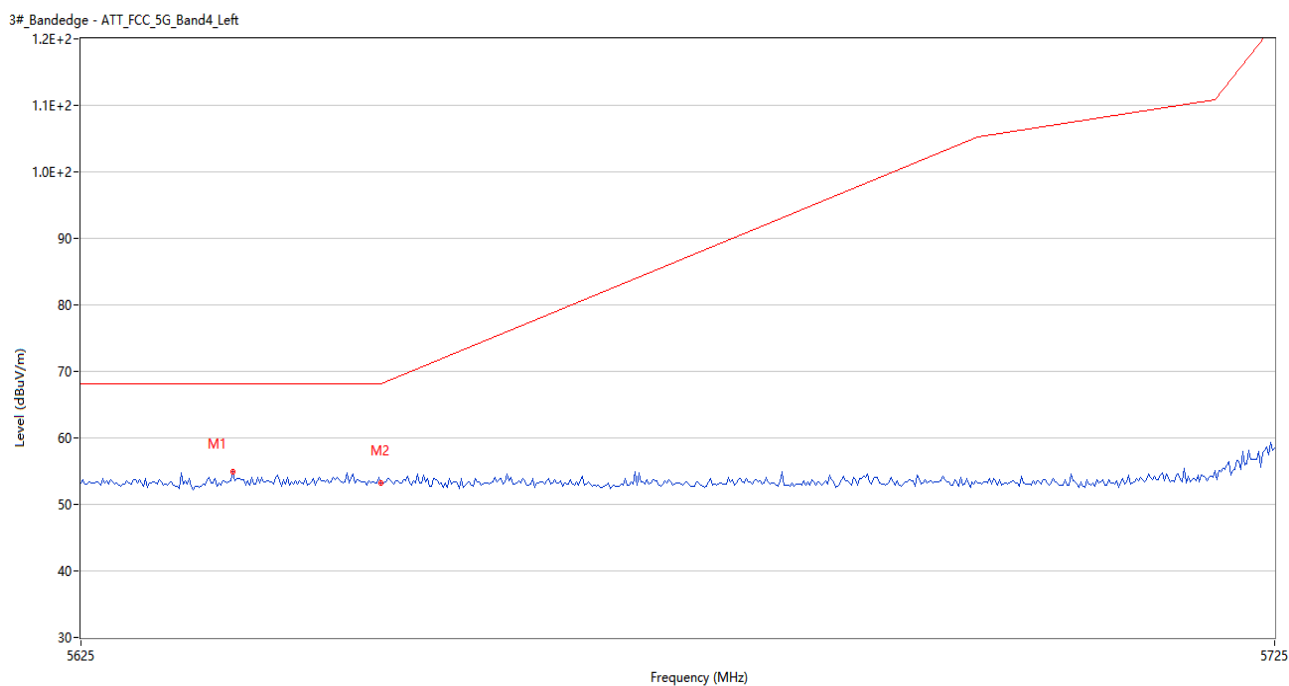
U-NII-3 11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5630.033	53.076	68.2	15.12	Peak	278.00	300	Horizontal	Pass
2	5650.000	53.262	68.2	14.94	Peak	278.00	300	Horizontal	Pass

U-NII-3 11n40 High Channel

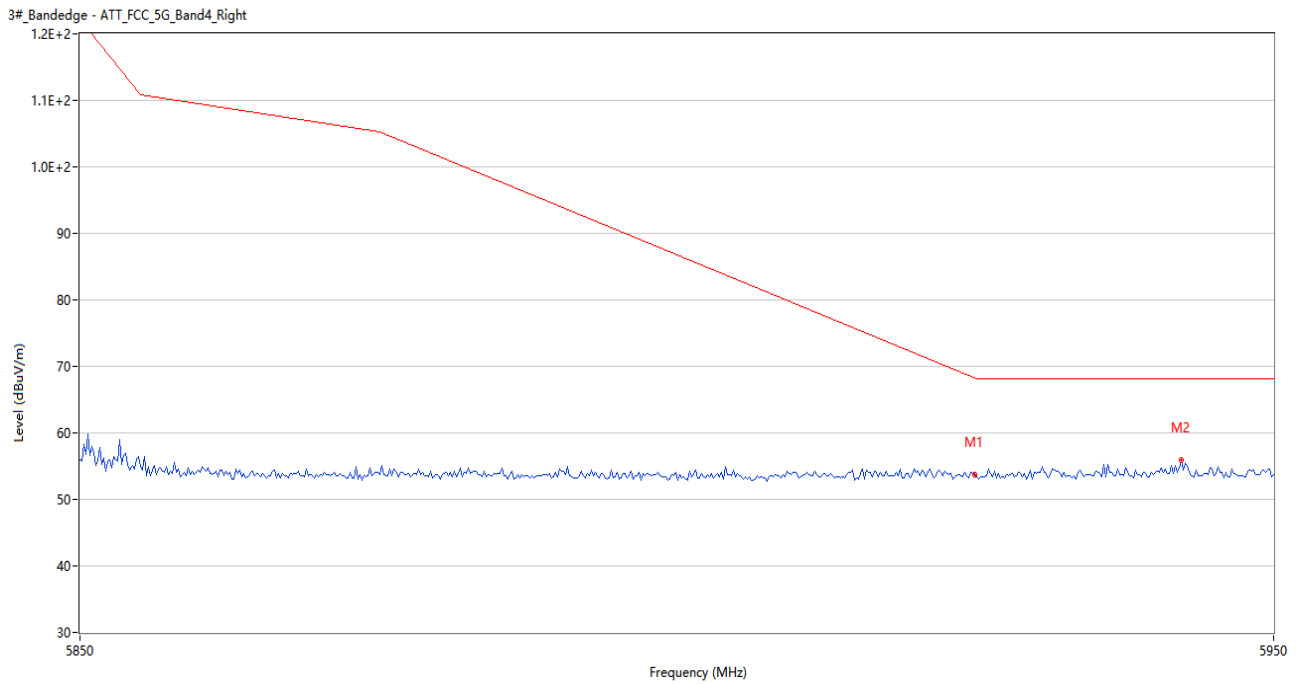
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	54.208	68.2	13.99	Peak	251.00	200	Horizontal	Pass
2	5945.648	53.724	68.2	14.48	Peak	176.00	300	Horizontal	Pass

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	5627.469	54.256	68.2	13.94	Peak	286.00	200	Horizontal	Pass
2	5650.000	52.822	68.2	15.38	Peak	286.00	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	53.908	68.2	14.29	Peak	17.00	300	Horizontal	Pass
2	5947.246	51.934	68.2	16.27	Peak	178.00	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	5625.954	52.916	68.2	15.28	Peak	240.00	300	Horizontal	Pass
2	5650.000	51.592	68.2	16.61	Peak	240.00	300	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	50.608	68.2	17.59	Peak	129.00	100	Horizontal	Pass
2	5949.112	49.594	68.2	18.61	Peak	60.00	100	Horizontal	Pass

U-NII-3 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5625.309	53.186	68.2	15.01	Peak	57.00	300	Horizontal	Pass
2	5650.000	51.532	68.2	16.67	Peak	57.00	300	Horizontal	Pass

U-NII-3 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	48.608	68.2	19.59	Peak	60.00	300	Horizontal	Pass
2	5950.215	47.004	68.2	21.20	Peak	41.00	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	5591.518	43.84	68.2	24.37	Peak	104.00	300	Horizontal	Pass
2	5650.000	47.90	68.2	20.30	Peak	104.00	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	45.65	68.4	22.75	Peak	218.00	200	Horizontal	Pass
2	5940.483	48.77	68.2	19.43	Peak	39.00	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	5589.066	41.01	68.2	27.20	Peak	330.00	200	Horizontal	Pass
2	5650.000	45.04	68.2	23.16	Peak	330.00	200	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	44.46	68.4	23.94	Peak	209.00	100	Horizontal	Pass
2	5940.826	49.45	68.2	18.75	Peak	307.00	300	Horizontal	Pass

U-NII-3 11ax80(SU) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5586.977	40.83	68.2	27.38	Peak	299.00	100	Horizontal	Pass
2	5650.000	42.12	68.2	26.08	Peak	299.00	100	Horizontal	Pass

U-NII-3 11ax80(SU) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	42.15	68.4	26.25	Peak	285.00	300	Horizontal	Pass
2	5942.349	49.61	68.2	18.59	Peak	217.00	200	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-EE26050405-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-EE26050405-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-EE26050405-AI.PDF”.

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--END OF REPORT--