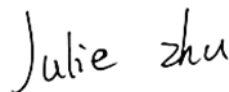
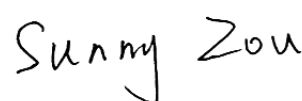


TEST REPORT

Applicant: Franklin Technology Inc.
Address: 906 JEI Platz, 186, Gasan digital 1-ro, Geumcheon-Gu, Seoul 08502 Korea
Equipment Type: Mobile Hotspot
Model Name: RG350
Brand Name: JEXtream
FCC ID: XHG-RG350
Test Standard: 47 CFR Part 15 Subpart E
(refer to section 3.1)
Sample Arrival Date: Oct. 14, 2024
Test Date: Oct. 16, 2024 - Oct. 25, 2024
Date of Issue: Nov. 28, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Julie Zhu**Checked by:** Ye Hongji**Approved by:** Sunny Zou
(Technical Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Nov. 26, 2024</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Nov. 28, 2024</u>	<u>Corrected the maximum output power of Section 2.4</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☒ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Franklin Technology Inc.
Address	906 JEI Platz, 186, Gasan digital 1-ro, Geumcheon-Gu, Seoul 08502 Korea

2.2 Manufacturer Information

Manufacturer	Franklin Technology Inc.
Address	906 JEI Platz, 186, Gasan digital 1-ro, Geumcheon-Gu, Seoul 08502 Korea

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Hotspot
Model Name Under Test	RG350
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	A9811M1A2-1
Software Version	RG350.TM.0017
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	4G Network FDD LTE Band 2/4/5/12/14/25/66/71 TDD LTE Band 41
	5G Network NR Redcap: NR n2/n5/n12/n14/n25/n41/n66/n71/n77 WIFI 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac and 802.11ax

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, OFDMA	
Modulation Type	1024QAM, 256QAM, 64QAM, 16QAM, BPSK, QPSK	
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps 802.11ac: up to VHT-MCS9 802.11ax up to 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: 53.58 mW U-NII-3: 59.52 mW	
Antenna System (eg., MIMO, Smart Antenna)	Cyclic Delay Diversity (CDD) for 802.11a Multi Input Multi Output (MIMO) for 802.11n/ac/ax	
Categorization as Correlated or Completely Uncorrelated	Categorization as Correlated for 802.11a Categorization as Uncorrelated for 802.11n/ac/ax	
Antenna Type	SISO- Antenna 1	FPC Antenna
	SISO- Antenna 2	Ceramic Antenna
Antenna Gain	SISO- Antenna 1	U-NII-1: 5150 MHz to 5250 MHz: -0.05 dBi U-NII-3: 5725 MHz to 5850 MHz: -0.43 dBi
	SISO- Antenna 2	U-NII-1: 5150 MHz to 5250 MHz: 0.78 dBi U-NII-3: 5725 MHz to 5850 MHz: 0.71 dBi
Total directional gain	For power spectral density (PSD) measurements	Correlated: U-NII-1: 5150 MHz to 5250 MHz: 3.39 dBi U-NII-3: 5725 MHz to 5850 MHz: 3.71 dBi Formulas: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / NANT]$ dBi Uncorrelated: U-NII-1: 5150 MHz to 5250 MHz: 0.38 dBi

		U-NII-3: 5725 MHz to 5850 MHz: 0.18 dBi Formulas: Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/NANT]$ dBi
	For power measurements	Correlated: U-NII-1: 5150 MHz to 5250 MHz: 3.39 dBi U-NII-3: 5725 MHz to 5850 MHz: 3.71 dBi Formulas: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / NANT]$ dBi Uncorrelated: U-NII-1: 5150 MHz to 5250 MHz: 0.38 dBi U-NII-3: 5725 MHz to 5850 MHz: 0.18 dBi Formulas: Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/NANT]$ dBi
About the Product		The equipment is Mobile Hotspot, intended for used with information technology equipment.

Mode	Antenna		
	SISO-Antenna 1	SISO-Antenna 2	MIMO
802.11a	√	√	√
802.11n20	√	√	√
802.11n40	√	√	√
802.11ac20	√	√	√
802.11ac40	√	√	√
802.11ac80	√	√	√
802.11ax20	√	√	√
802.11ax40	√	√	√
802.11ax80	√	√	√
Note: All the configurations were tested, but only the worst data was shown in this report.			

802.11ax RU configuration table							
Mode	Full RU (SU)	RU_26	RU_52	RU_106	RU_242	RU_484	RU_996
802.11ax20	√	√	√	√	--	--	--
802.11ax40	√	√	√	√	√	--	--
802.11ax80	√	√	√	√	√	√	--

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)	4		48/44/36	165/157/149
	11ax(40 MHz)	8		46/38	159/151
	11ax(80 MHz)	17		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)	4		48/44/36	165/157/149
	11ax(40 MHz)	8		46/38	159/151
	11ax(80 MHz)	17		42	155
6 dB 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)	4		48/44/36	165/157/149
	11ax(40 MHz)	8		46/38	159/151
	11ax(80 MHz)	17		42	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)	4		48/44/36	165/157/149
	11ax(40 MHz)	8		46/38	159/151
	11ax(80 MHz)	17		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)	4		48/44/36	165/157/149
	11ax(40 MHz)	8		46/38	159/151
	11ax(80 MHz)	17		42	155
Band Edge (Restricted- band)	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)	4		48/44/36	165/157/149
	11ax(40 MHz)	8		46/38	159/151
	11ax(80 MHz)	17		42	155

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E	Unlicensed National Information Infrastructure Devices
2	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	KDB Publication 662911 D01v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)
4	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

3.2 Test Verdict

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

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

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

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	55% to 67%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+22.5℃ to +24.8℃
Working Voltage of the EUT	NV (Normal Voltage)	3.8 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY56060183	2024.08.01	2025.07.31
Spectrum Analyzer	KEYSIGHT	N9020A	MY46471071	2024.07.04	2025.07.03
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2023.12.27	2024.12.26
Power Sensor	KEYSIGHT	U2063XA	MY58000251	2024.07.04	2025.07.03
Spectrum Analyzer	KEYSIGHT	N9020A	MY50531259	2024.08.01	2025.07.31
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	02460	2024.05.16	2027.05.15
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Anechoic Chamber	RAINFORD	9m*6m*6m	140	2024.07.28	2027.07.27
Amplifier	COM-MV	LSCX_LNA1-12G-01	7210214	2024.08.01	2025.07.31
Amplifier	COM-MV	XKu_LNA7-18G-01	7210209	2024.08.01	2025.07.31
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2023.12.06	2024.12.05
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2024.08.01	2025.07.31
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2025.01.22
Amplifier	COM-MV	ZT30-1000M	B2018054558	2023.12.05	2024.12.04
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2024.07.13	2027.07.12
EMI Receiver	Agilent	N9038A	MY55330120	2024.08.01	2025.07.31
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-00867	2022.04.12	2025.04.11
Amplifier	COM-MV	ZT30-1000M	B2017119081	2023.12.05	2024.12.04
Anechoic Chamber	YiHeng	9m*6m*6m	142	2024.07.21	2027.07.20
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2024.08.01	2025.07.31
LISN	SCHWARZBECK	NSLK 8127	8127-687	2024.05.09	2025.05.08
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2022.02.19	2025.02.18

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

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

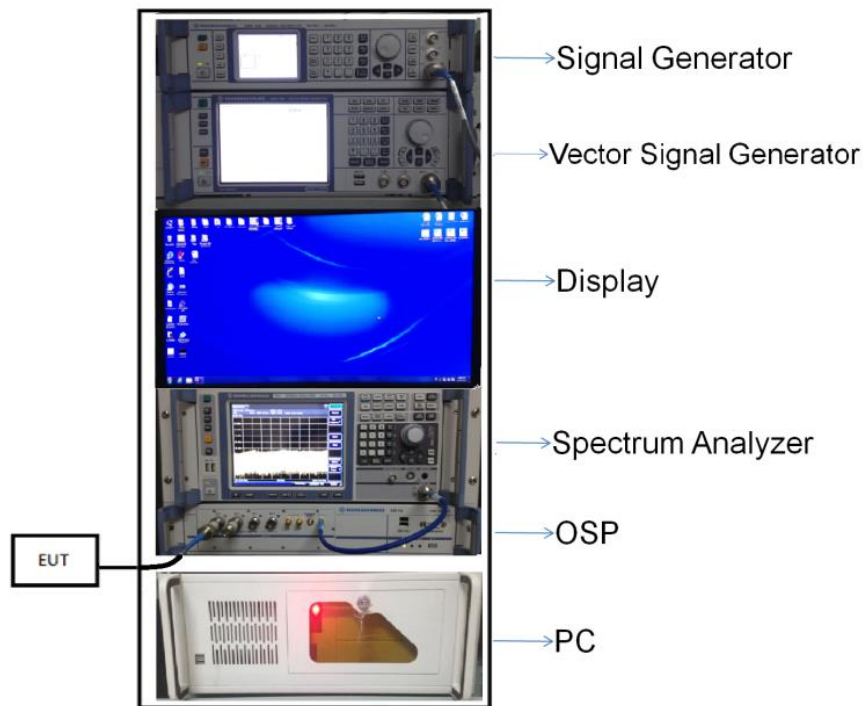
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

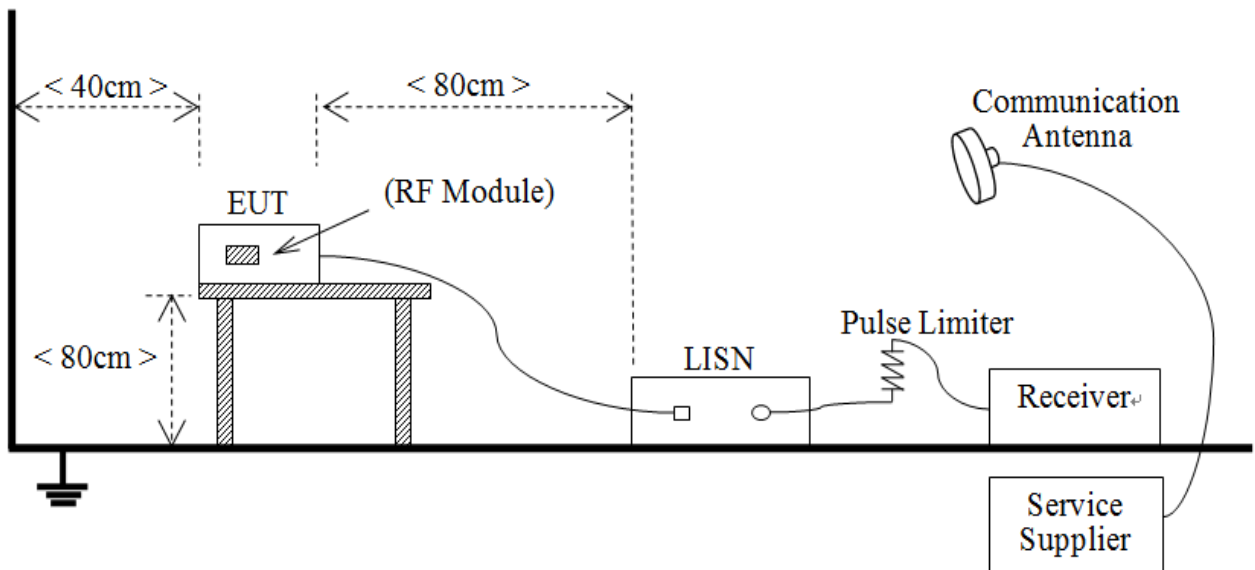
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



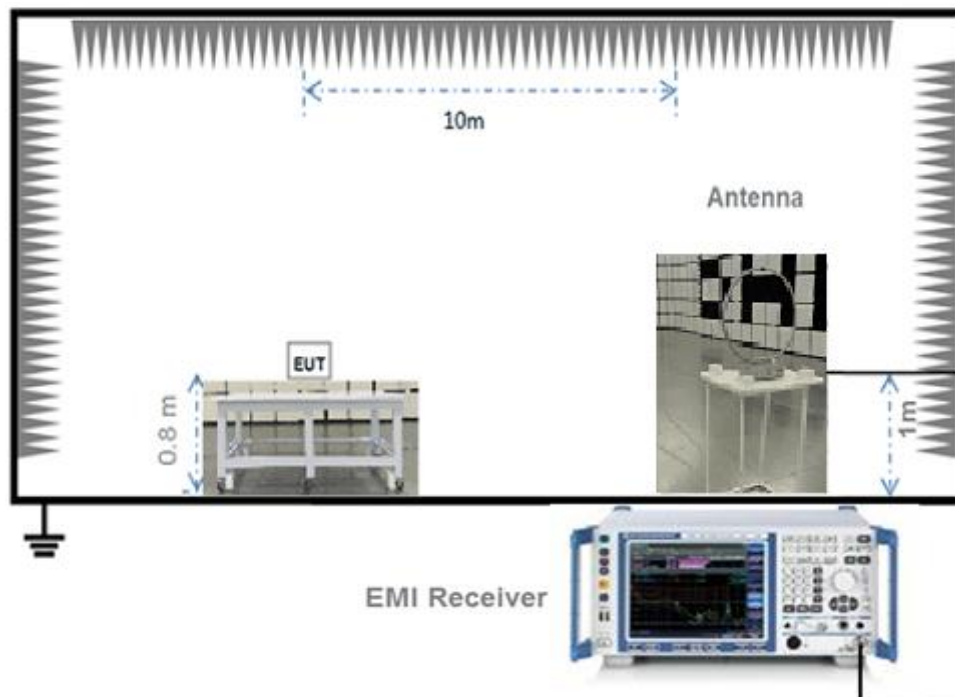
(Diagram 1)

4.5.2 For AC Power Supply Port Test



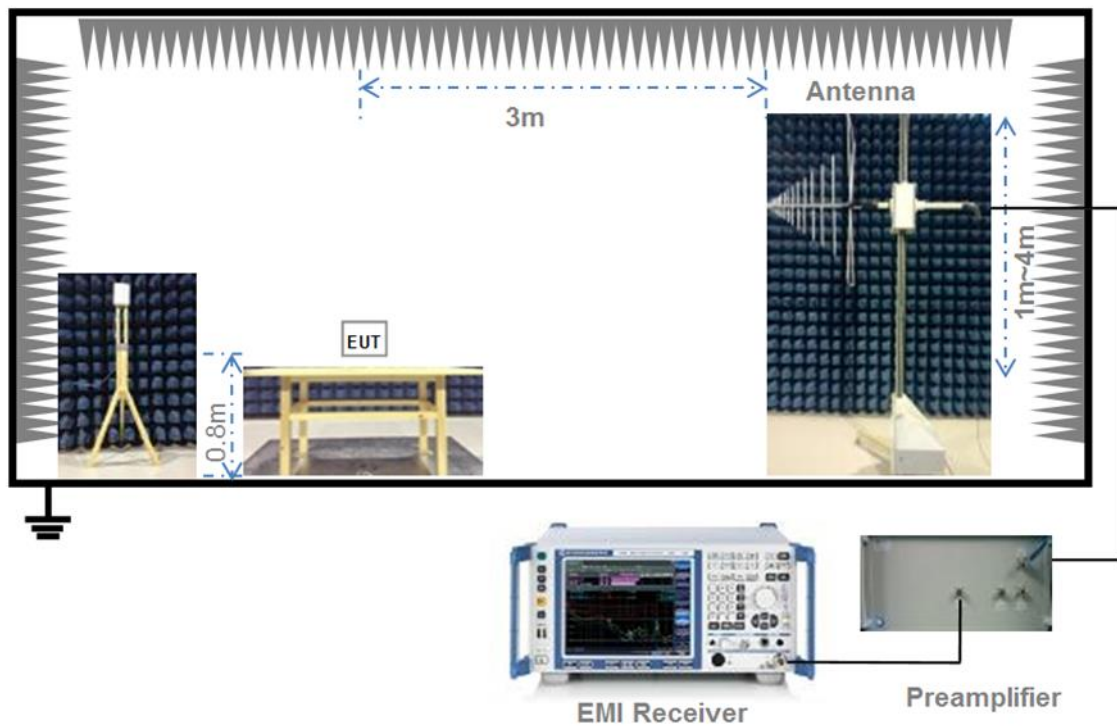
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



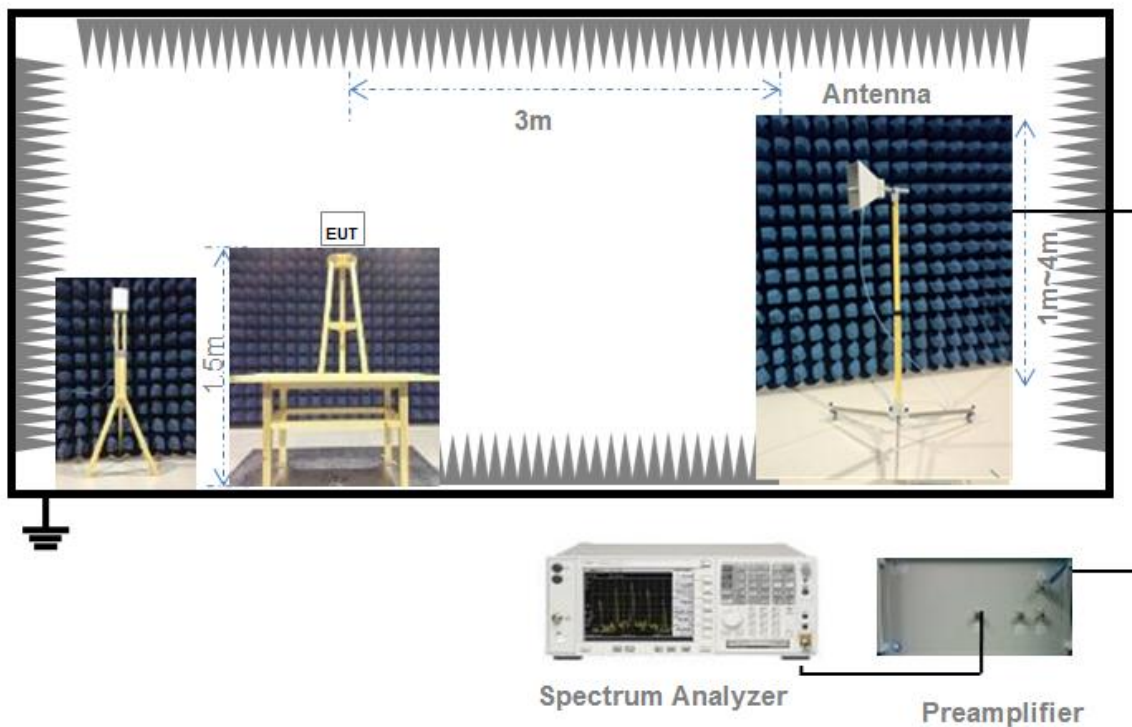
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

5.1.2 Test Setup

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

5.1.3 Test Procedure

Maximum conducted (average) output power

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

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

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

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

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

Measurements of duty cycle

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

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

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

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

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

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

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a)

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set VBW $\geq 3 \times$ RBW,
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

Occupied Bandwidth

1. Set Span = 1.5 times to 5.0 times the OBW
2. Set RBW = 1% to 5% of the OBW.
3. Set VBW $\geq 3 \times$ RBW, Detector = Peak.
4. Trace mode = Max hold.
5. Use the 99% power bandwidth function of the instrument.

6 dB bandwidth

1. Set RBW = 100 kHz, VBW = 300 kHz.
2. Detector = Peak. Trace mode = Max hold.
3. Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.2.4 Test Result

Please refer to ANNEX A.2 and ANNEX A.3.

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

1. Set RBW = 510 kHz/1 MHz, VBW $\geq 3 \times$ RBW, Sweep time = Auto, Detector = RMS.
2. Allow the sweeps to continue until the trace stabilizes.
3. Use the peak marker function to determine the maximum amplitude level.
4. The E.I.R.P spectral density used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

5.5.1 Limit

FCC §15.209 & 15.407(b)

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

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

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

5.5.2 Test Setup

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

5.5.3 Test Procedure

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

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

General Procedure for conducted measurements in restricted bands

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

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

where:

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

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

e) Compare the resultant electric field strength level to the applicable limit.

f) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

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

As an alternative to CISPR quasi-peak measurement, compliance can be demonstrated to the applicable emission limits using a peak detector.

Peak power measurement procedure

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

a) RBW = as specified in Table 1.

b) VBW $\geq 3 \times$ RBW.

c) Detector = Peak.

d) Sweep time = auto.

e) Trace mode = max hold.

f) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be longer for low duty cycle applications).

Table 1—RBW as a function of frequency

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

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

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

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

- a) The EUT shall be configured to operate at the maximum achievable duty cycle.
- b) Measure the duty cycle, x , of the transmitter output signal as described in section 6.0.
- c) RBW = 1 MHz (unless otherwise specified).
- d) VBW $\geq 3 \times$ RBW.
- e) Detector = RMS, if $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
- f) Averaging type = power (i.e., RMS).
 - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
 - 2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
- g) Sweep time = auto.
- h) Perform a trace average of at least 100 traces.
- i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:
 - 1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is $10 \log(1/x)$, where x is the duty cycle.
 - 2) If linear voltage averaging mode was used in step f), then the applicable correction factor is $20 \log(1/x)$, where x is the duty cycle.
 - 3) If a specific emission is demonstrated to be continuous (≥ 98 percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

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

Determining the applicable transmit antenna gain

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

Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that

is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

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

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

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

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	2.10	2.11	99.15%	0.04
11n(HT20)/11ac(VHT20)	5.43	5.45	99.71%	0.01
11n(HT40)/11ac(VHT40)	5.39	5.45	98.95%	0.05
11ac(VHT80)	5.43	5.44	99.71%	0.01
11ax(HE20)	5.45	5.46	99.71%	0.01
11ax(HE40)	5.40	5.49	98.38%	0.07
11ax(HE80)	5.40	5.44	99.34%	0.03

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U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	14.25	26.61	1000	Pass
11a	CH44	14.23	26.49	1000	Pass
11a	CH48	14.11	25.76	1000	Pass
11n(HT20)	CH36	12.46	17.62	1000	Pass
11n(HT20)	CH44	12.83	19.19	1000	Pass
11n(HT20)	CH48	12.78	18.97	1000	Pass
11n(HT40)	CH38	12.72	18.71	1000	Pass
11n(HT40)	CH46	12.87	19.36	1000	Pass
11ac(VHT20)	CH36	11.52	14.19	1000	Pass
11ac(VHT20)	CH44	11.14	13.00	1000	Pass
11ac(VHT20)	CH48	11.45	13.96	1000	Pass
11ac(VHT40)	CH38	11.34	13.61	1000	Pass
11ac(VHT40)	CH46	11.62	14.52	1000	Pass
11ac(VHT80)	CH42	11.59	14.42	1000	Pass
11ax(HE20) (SU)	CH36	10.38	10.91	1000	Pass
11ax(HE20) (SU)	CH44	10.24	10.57	1000	Pass
11ax(HE20) (SU)	CH48	10.64	11.59	1000	Pass
11ax(HE40) (SU)	CH38	10.55	11.35	1000	Pass
11ax(HE40) (SU)	CH46	10.25	10.59	1000	Pass
11ax(HE80) (SU)	CH42	10.58	11.43	1000	Pass

U-NII-1 (5150 - 5250 MHz)						
Mode	Channel	RU Config	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11ax (HE20) (RU)	CH36	26	10.68	11.69	1000	Pass
		52	10.23	10.54	1000	Pass
		106	10.35	10.84	1000	Pass
	CH44	26	10.18	10.42	1000	Pass
		52	10.26	10.62	1000	Pass
		106	10.33	10.79	1000	Pass
	CH48	26	10.39	10.94	1000	Pass
		52	10.55	11.35	1000	Pass
		106	10.54	11.32	1000	Pass
11ax (HE40) (RU)	CH38	26	10.47	11.14	1000	Pass
		52	10.61	11.51	1000	Pass
		106	10.29	10.69	1000	Pass
		242	10.24	10.57	1000	Pass
	CH46	26	10.44	11.07	1000	Pass
		52	10.59	11.46	1000	Pass
		106	10.38	10.91	1000	Pass
		242	10.53	11.30	1000	Pass
11ax (HE80) (RU)	CH42	26	10.29	10.69	1000	Pass
		52	10.29	10.69	1000	Pass
		106	10.32	10.76	1000	Pass
		242	10.28	10.67	1000	Pass
		484	10.17	10.40	1000	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	14.32	27.04	1000	Pass
11a	CH157	14.85	30.55	1000	Pass
11a	CH165	14.52	28.31	1000	Pass
11n(HT20)	CH149	12.63	18.32	1000	Pass
11n(HT20)	CH157	12.74	18.79	1000	Pass
11n(HT20)	CH165	12.35	17.18	1000	Pass
11n(HT40)	CH151	12.74	18.79	1000	Pass
11n(HT40)	CH159	12.54	17.95	1000	Pass
11ac(VHT20)	CH149	11.56	14.32	1000	Pass
11ac(VHT20)	CH157	11.75	14.96	1000	Pass
11ac(VHT20)	CH165	11.83	15.24	1000	Pass
11ac(VHT40)	CH151	11.17	13.09	1000	Pass
11ac(VHT40)	CH159	11.14	13.00	1000	Pass
11ac(VHT80)	CH155	11.70	14.79	1000	Pass
11ax(HE20) (SU)	CH149	10.44	11.07	1000	Pass
11ax(HE20) (SU)	CH157	10.44	11.07	1000	Pass
11ax(HE20) (SU)	CH165	10.54	11.32	1000	Pass
11ax(HE40) (SU)	CH151	10.58	11.43	1000	Pass
11ax(HE40) (SU)	CH159	10.42	11.02	1000	Pass
11ax(HE80) (SU)	CH155	10.66	11.64	1000	Pass

U-NII-3 (5725 - 5850 MHz)						
Mode	Channel	RU Config	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11ax (HE20) (RU)	CH149	26	10.42	11.02	1000	Pass
		52	10.43	11.04	1000	Pass
		106	10.57	11.40	1000	Pass
	CH157	26	10.17	10.40	1000	Pass
		52	10.21	10.50	1000	Pass
		106	10.35	10.84	1000	Pass
	CH165	26	10.51	11.25	1000	Pass
		52	10.45	11.09	1000	Pass
		106	10.54	11.32	1000	Pass
11ax (HE40) (RU)	CH151	26	10.30	10.72	1000	Pass
		52	10.36	10.86	1000	Pass
		106	10.61	11.51	1000	Pass
		242	10.30	10.72	1000	Pass
	CH159	26	10.67	11.67	1000	Pass
		52	10.45	11.09	1000	Pass
		106	10.54	11.32	1000	Pass
		242	10.49	11.19	1000	Pass
11ax (HE80) (RU)	CH155	26	10.25	10.59	1000	Pass
		52	10.26	10.62	1000	Pass
		106	10.26	10.62	1000	Pass
		242	10.35	10.84	1000	Pass
		484	10.41	10.99	1000	Pass

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U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	14.31	26.98	1000	Pass
11a	CH44	14.23	26.49	1000	Pass
11a	CH48	14.31	26.98	1000	Pass
11n(HT20)	CH36	12.06	16.07	1000	Pass
11n(HT20)	CH44	12.93	19.63	1000	Pass
11n(HT20)	CH48	12.38	17.30	1000	Pass
11n(HT40)	CH38	12.32	17.06	1000	Pass
11n(HT40)	CH46	12.47	17.66	1000	Pass
11ac(VHT20)	CH36	11.12	12.94	1000	Pass
11ac(VHT20)	CH44	11.14	13.00	1000	Pass
11ac(VHT20)	CH48	11.65	14.62	1000	Pass
11ac(VHT40)	CH38	11.37	13.71	1000	Pass
11ac(VHT40)	CH46	11.42	13.87	1000	Pass
11ac(VHT80)	CH42	11.79	15.10	1000	Pass
11ax(HE20) (SU)	CH36	10.48	11.17	1000	Pass
11ax(HE20) (SU)	CH44	10.24	10.57	1000	Pass
11ax(HE20) (SU)	CH48	10.44	11.07	1000	Pass
11ax(HE40) (SU)	CH38	10.45	11.09	1000	Pass
11ax(HE40) (SU)	CH46	10.35	10.84	1000	Pass
11ax(HE80) (SU)	CH42	10.78	11.97	1000	Pass

U-NII-1 (5150 - 5250 MHz)						
Mode	Channel	RU Config	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11ax (HE20) (RU)	CH36	26	10.34	10.81	1000	Pass
		52	10.43	11.04	1000	Pass
		106	10.65	11.61	1000	Pass
	CH44	26	10.48	11.17	1000	Pass
		52	10.26	10.62	1000	Pass
		106	10.23	10.54	1000	Pass
	CH48	26	10.49	11.19	1000	Pass
		52	10.25	10.59	1000	Pass
		106	10.34	10.81	1000	Pass
11ax (HE40) (RU)	CH38	26	10.77	11.94	1000	Pass
		52	10.41	10.99	1000	Pass
		106	10.59	11.46	1000	Pass
		242	10.24	10.57	1000	Pass
	CH46	26	10.44	11.07	1000	Pass
		52	10.39	10.94	1000	Pass
		106	10.58	11.43	1000	Pass
		242	10.53	11.30	1000	Pass
11ax (HE80) (RU)	CH42	26	10.18	10.42	1000	Pass
		52	10.19	10.45	1000	Pass
		106	10.42	11.02	1000	Pass
		242	10.48	11.17	1000	Pass
		484	10.37	10.89	1000	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	14.32	27.04	1000	Pass
11a	CH157	14.62	28.97	1000	Pass
11a	CH165	14.72	29.65	1000	Pass
11n(HT20)	CH149	12.43	17.50	1000	Pass
11n(HT20)	CH157	12.84	19.23	1000	Pass
11n(HT20)	CH165	12.05	16.03	1000	Pass
11n(HT40)	CH151	12.94	19.68	1000	Pass
11n(HT40)	CH159	12.34	17.14	1000	Pass
11ac(VHT20)	CH149	11.66	14.66	1000	Pass
11ac(VHT20)	CH157	11.75	14.96	1000	Pass
11ac(VHT20)	CH165	11.53	14.22	1000	Pass
11ac(VHT40)	CH151	11.07	12.79	1000	Pass
11ac(VHT40)	CH159	11.14	13.00	1000	Pass
11ac(VHT80)	CH155	11.60	14.45	1000	Pass
11ax(HE20) (SU)	CH149	10.34	10.81	1000	Pass
11ax(HE20) (SU)	CH157	10.24	10.57	1000	Pass
11ax(HE20) (SU)	CH165	10.54	11.32	1000	Pass
11ax(HE40) (SU)	CH151	10.18	10.42	1000	Pass
11ax(HE40) (SU)	CH159	10.32	10.76	1000	Pass
11ax(HE80) (SU)	CH155	10.66	11.64	1000	Pass

U-NII-3 (5725 - 5850 MHz)						
Mode	Channel	RU Config	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11ax (HE20) (RU)	CH149	26	10.52	11.27	1000	Pass
		52	10.13	10.30	1000	Pass
		106	10.27	10.64	1000	Pass
	CH157	26	10.47	11.14	1000	Pass
		52	10.31	10.74	1000	Pass
		106	10.55	11.35	1000	Pass
	CH165	26	10.51	11.25	1000	Pass
		52	10.25	10.59	1000	Pass
		106	10.54	11.32	1000	Pass
11ax (HE40) (RU)	CH151	26	10.20	10.47	1000	Pass
		52	10.46	11.12	1000	Pass
		106	10.71	11.78	1000	Pass
		242	10.30	10.72	1000	Pass
	CH159	26	10.67	11.67	1000	Pass
		52	10.45	11.09	1000	Pass
		106	10.64	11.59	1000	Pass
		242	10.59	11.46	1000	Pass
11ax (HE80) (RU)	CH155	26	10.45	11.09	1000	Pass
		52	10.34	10.81	1000	Pass
		106	10.56	11.38	1000	Pass
		242	10.35	10.84	1000	Pass
		484	10.21	10.50	1000	Pass

MIMO

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	17.29	53.58	1000	Pass
11a	CH44	17.24	52.97	1000	Pass
11a	CH48	17.22	52.74	1000	Pass
11n(HT20)	CH36	15.27	33.69	1000	Pass
11n(HT20)	CH44	15.89	38.82	1000	Pass
11n(HT20)	CH48	15.59	36.27	1000	Pass
11n(HT40)	CH38	15.53	35.77	1000	Pass
11n(HT40)	CH46	15.68	37.02	1000	Pass
11ac(VHT20)	CH36	14.33	27.13	1000	Pass
11ac(VHT20)	CH44	14.15	26.00	1000	Pass
11ac(VHT20)	CH48	14.56	28.59	1000	Pass
11ac(VHT40)	CH38	14.37	27.32	1000	Pass
11ac(VHT40)	CH46	14.53	28.39	1000	Pass
11ac(VHT80)	CH42	14.70	29.52	1000	Pass
11ax(HE20) (SU)	CH36	13.44	22.08	1000	Pass
11ax(HE20) (SU)	CH44	13.25	21.14	1000	Pass
11ax(HE20) (SU)	CH48	13.55	22.65	1000	Pass
11ax(HE40) (SU)	CH38	13.51	22.44	1000	Pass
11ax(HE40) (SU)	CH46	13.31	21.43	1000	Pass
11ax(HE80) (SU)	CH42	13.69	23.40	1000	Pass

U-NII-1 (5150 - 5250 MHz)						
Mode	Channel	RU Config	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11ax (HE20) (RU)	CH36	26	13.52	22.51	1000	Pass
		52	13.34	21.58	1000	Pass
		106	13.51	22.45	1000	Pass
	CH44	26	13.34	21.59	1000	Pass
		52	13.27	21.23	1000	Pass
		106	13.29	21.33	1000	Pass
	CH48	26	13.45	22.13	1000	Pass
		52	13.41	21.94	1000	Pass
		106	13.45	22.14	1000	Pass
11ax (HE40) (RU)	CH38	26	13.63	23.08	1000	Pass
		52	13.52	22.50	1000	Pass
		106	13.45	22.15	1000	Pass
		242	13.25	21.14	1000	Pass
	CH46	26	13.45	22.13	1000	Pass
		52	13.50	22.39	1000	Pass
		106	13.49	22.34	1000	Pass
		242	13.54	22.60	1000	Pass
11ax (HE80) (RU)	CH42	26	13.25	21.11	1000	Pass
		52	13.25	21.14	1000	Pass
		106	13.38	21.78	1000	Pass
		242	13.39	21.83	1000	Pass
		484	13.28	21.29	1000	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	17.33	54.08	1000	Pass
11a	CH157	17.75	59.52	1000	Pass
11a	CH165	17.63	57.96	1000	Pass
11n(HT20)	CH149	15.54	35.82	1000	Pass
11n(HT20)	CH157	15.80	38.02	1000	Pass
11n(HT20)	CH165	15.21	33.21	1000	Pass
11n(HT40)	CH151	15.85	38.47	1000	Pass
11n(HT40)	CH159	15.45	35.09	1000	Pass
11ac(VHT20)	CH149	14.62	28.98	1000	Pass
11ac(VHT20)	CH157	14.76	29.92	1000	Pass
11ac(VHT20)	CH165	14.69	29.46	1000	Pass
11ac(VHT40)	CH151	14.13	25.89	1000	Pass
11ac(VHT40)	CH159	14.15	26.00	1000	Pass
11ac(VHT80)	CH155	14.66	29.25	1000	Pass
11ax(HE20) (SU)	CH149	13.40	21.88	1000	Pass
11ax(HE20) (SU)	CH157	13.35	21.63	1000	Pass
11ax(HE20) (SU)	CH165	13.55	22.65	1000	Pass
11ax(HE40) (SU)	CH151	13.39	21.85	1000	Pass
11ax(HE40) (SU)	CH159	13.38	21.78	1000	Pass
11ax(HE80) (SU)	CH155	13.67	23.28	1000	Pass

U-NII-3 (5725 - 5850 MHz)						
Mode	Channel	RU Config	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11ax (HE20) (RU)	CH149	26	13.48	22.29	1000	Pass
		52	13.29	21.34	1000	Pass
		106	13.43	22.04	1000	Pass
	CH157	26	13.33	21.54	1000	Pass
		52	13.27	21.24	1000	Pass
		106	13.46	22.19	1000	Pass
	CH165	26	13.52	22.49	1000	Pass
		52	13.36	21.68	1000	Pass
		106	13.55	22.65	1000	Pass
11ax (HE40) (RU)	CH151	26	13.26	21.19	1000	Pass
		52	13.42	21.98	1000	Pass
		106	13.67	23.28	1000	Pass
		242	13.31	21.43	1000	Pass
	CH159	26	13.68	23.34	1000	Pass
		52	13.46	22.18	1000	Pass
		106	13.60	22.91	1000	Pass
		242	13.55	22.65	1000	Pass
11ax (HE80) (RU)	CH155	26	13.36	21.68	1000	Pass
		52	13.31	21.43	1000	Pass
		106	13.42	21.99	1000	Pass
		242	13.36	21.68	1000	Pass
		484	13.32	21.49	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note¹: Test plots please refer to the document “Annex No.: BL-SZ24A0296-604 Data Part 1.pdf”.

Note²: All antenna were pre tested, but only the worst case has been reported in this report.

Note³: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data

SISO-Antenna 1

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	19.09	16.34
11a	CH44	19.19	16.34
11a	CH48	19.20	16.35
11n(HT20)	CH36	20.05	17.53
11n(HT20)	CH44	20.25	17.53
11n(HT20)	CH48	19.97	17.53
11n(HT40)	CH38	39.71	35.99
11n(HT40)	CH46	39.45	35.98
11ac(VHT20)	CH36	20.11	17.54
11ac(VHT20)	CH44	20.19	17.53
11ac(VHT20)	CH48	20.08	17.53
11ac(VHT40)	CH38	39.66	36.00
11ac(VHT40)	CH46	39.44	36.00
11ac(VHT80)	CH42	81.85	75.61
11ax(HE20) (SU)	CH36	20.86	18.88
11ax(HE20) (SU)	CH44	20.84	18.90
11ax(HE20) (SU)	CH48	20.98	18.91
11ax(HE40) (SU)	CH38	40.16	37.67
11ax(HE40) (SU)	CH46	40.40	37.65
11ax(HE80) (SU)	CH42	82.03	77.30

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	19.21	16.34
11a	CH157	19.21	16.34
11a	CH165	19.09	16.34
11n(HT20)	CH149	20.14	17.53
11n(HT20)	CH157	20.12	17.54
11n(HT20)	CH165	20.07	17.54
11n(HT40)	CH151	39.46	35.99
11n(HT40)	CH159	39.54	35.99
11ac(VHT20)	CH149	20.32	17.53
11ac(VHT20)	CH157	20.18	17.54
11ac(VHT20)	CH165	20.10	17.53
11ac(VHT40)	CH151	39.70	35.99
11ac(VHT40)	CH159	39.73	36.02
11ac(VHT80)	CH155	81.82	75.58
11ax(HE20) (SU)	CH149	20.95	18.89
11ax(HE20) (SU)	CH157	20.88	18.90
11ax(HE20) (SU)	CH165	21.01	18.87
11ax(HE40) (SU)	CH151	40.27	37.68
11ax(HE40) (SU)	CH159	40.39	37.65
11ax(HE80) (SU)	CH155	82.20	77.46

SISO-Antenna 2

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	19.34	16.33
11a	CH44	19.40	16.32
11a	CH48	19.32	16.32
11n(HT20)	CH36	20.21	17.49
11n(HT20)	CH44	20.22	17.49
11n(HT20)	CH48	20.27	17.50
11n(HT40)	CH38	39.66	35.95
11n(HT40)	CH46	39.64	35.94
11ac(VHT20)	CH36	20.16	17.50
11ac(VHT20)	CH44	20.23	17.50
11ac(VHT20)	CH48	20.20	17.50
11ac(VHT40)	CH38	39.74	35.96
11ac(VHT40)	CH46	39.59	35.95
11ac(VHT80)	CH42	81.89	75.51
11ax(HE20) (SU)	CH36	20.98	18.86
11ax(HE20) (SU)	CH44	21.03	18.88
11ax(HE20) (SU)	CH48	20.93	18.86
11ax(HE40) (SU)	CH38	40.71	37.68
11ax(HE40) (SU)	CH46	40.43	37.67
11ax(HE80) (SU)	CH42	82.37	77.29

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	19.36	16.33
11a	CH157	19.34	16.34
11a	CH165	19.41	16.33
11n(HT20)	CH149	20.20	17.51
11n(HT20)	CH157	20.51	17.50
11n(HT20)	CH165	20.12	17.49
11n(HT40)	CH151	39.81	35.97
11n(HT40)	CH159	39.53	35.95
11ac(VHT20)	CH149	20.24	17.51
11ac(VHT20)	CH157	20.11	17.50
11ac(VHT20)	CH165	20.19	17.50
11ac(VHT40)	CH151	39.55	35.97
11ac(VHT40)	CH159	39.71	35.96
11ac(VHT80)	CH155	82.39	75.57
11ax(HE20) (SU)	CH149	21.01	18.87
11ax(HE20) (SU)	CH157	20.99	18.86
11ax(HE20) (SU)	CH165	21.04	18.88
11ax(HE40) (SU)	CH151	40.53	37.64
11ax(HE40) (SU)	CH159	40.44	37.66
11ax(HE80) (SU)	CH155	82.46	77.27

A.3 6 dB Bandwidth

Note¹: Test plots please refer to the document “Annex No.: BL-SZ24A0296-604 Data Part 2.pdf”.

Note²: All antenna were pre tested, but only the worst case has been reported in this report.

Note³: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data

SISO-Antenna 1

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.50	500.00	Pass
11a	CH157	16.50	500.00	Pass
11a	CH165	16.50	500.00	Pass
11n(HT20)	CH149	17.70	500.00	Pass
11n(HT20)	CH157	17.70	500.00	Pass
11n(HT20)	CH165	17.70	500.00	Pass
11n(HT40)	CH151	36.10	500.00	Pass
11n(HT40)	CH159	35.50	500.00	Pass
11ac(VHT20)	CH149	17.70	500.00	Pass
11ac(VHT20)	CH157	17.90	500.00	Pass
11ac(VHT20)	CH165	17.70	500.00	Pass
11ac(VHT40)	CH151	35.80	500.00	Pass
11ac(VHT40)	CH159	35.30	500.00	Pass
11ac(VHT80)	CH155	75.30	500.00	Pass
11ax(HE20) (SU)	CH149	18.70	500.00	Pass
11ax(HE20) (SU)	CH157	19.10	500.00	Pass
11ax(HE20) (SU)	CH165	19.10	500.00	Pass
11ax(HE40) (SU)	CH151	37.90	500.00	Pass
11ax(HE40) (SU)	CH159	37.30	500.00	Pass
11ax(HE80) (SU)	CH155	77.10	500.00	Pass

SISO-Antenna 2

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.40	500.00	Pass
11a	CH157	16.40	500.00	Pass
11a	CH165	16.40	500.00	Pass
11n(HT20)	CH149	17.15	500.00	Pass
11n(HT20)	CH157	17.10	500.00	Pass
11n(HT20)	CH165	17.15	500.00	Pass
11n(HT40)	CH151	35.90	500.00	Pass
11n(HT40)	CH159	35.60	500.00	Pass
11ac(VHT20)	CH149	17.60	500.00	Pass
11ac(VHT20)	CH157	17.20	500.00	Pass
11ac(VHT20)	CH165	17.20	500.00	Pass
11ac(VHT40)	CH151	35.80	500.00	Pass
11ac(VHT40)	CH159	35.75	500.00	Pass
11ac(VHT80)	CH155	75.40	500.00	Pass
11ax(HE20) (SU)	CH149	18.75	500.00	Pass
11ax(HE20) (SU)	CH157	18.70	500.00	Pass
11ax(HE20) (SU)	CH165	18.85	500.00	Pass
11ax(HE40) (SU)	CH151	37.65	500.00	Pass
11ax(HE40) (SU)	CH159	37.75	500.00	Pass
11ax(HE80) (SU)	CH155	77.95	500.00	Pass

A.4 Power Spectral Density

Note¹: Test plots please refer to the document “Annex No.: BL-SZ24A0296-604 Data Part 3.pdf”.

Note²: All antenna were pre tested, but only the worst case has been reported in this report.

Note³: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data

SISO-Antenna 1

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	2.71	17.00	Pass
11a	CH44	3.30	17.00	Pass
11a	CH48	3.27	17.00	Pass
11n(HT20)	CH36	0.48	17.00	Pass
11n(HT20)	CH44	1.05	17.00	Pass
11n(HT20)	CH48	0.82	17.00	Pass
11n(HT40)	CH38	-2.48	17.00	Pass
11n(HT40)	CH46	-2.78	17.00	Pass
11ac(VHT20)	CH36	-0.33	17.00	Pass
11ac(VHT20)	CH44	-0.64	17.00	Pass
11ac(VHT20)	CH48	-0.05	17.00	Pass
11ac(VHT40)	CH38	-3.30	17.00	Pass
11ac(VHT40)	CH46	-3.69	17.00	Pass
11ac(VHT80)	CH42	-6.58	17.00	Pass
11ax(HE20) (SU)	CH36	-1.51	17.00	Pass
11ax(HE20) (SU)	CH44	-1.87	17.00	Pass
11ax(HE20) (SU)	CH48	-2.09	17.00	Pass
11ax(HE40) (SU)	CH38	-4.46	17.00	Pass
11ax(HE40) (SU)	CH46	-4.89	17.00	Pass
11ax(HE80) (SU)	CH42	-7.46	17.00	Pass

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	RU Config	PSD (dBm/ MHz)	Limit (dBm/ MHz)	Verdict
11ax (HE20) (RU)	CH36	26	7.91	17.00	Pass
		52	4.66	17.00	Pass
		106	1.72	17.00	Pass
	CH44	26	7.59	17.00	Pass
		52	4.75	17.00	Pass
		106	1.77	17.00	Pass
	CH48	26	7.70	17.00	Pass
		52	4.90	17.00	Pass
		106	1.92	17.00	Pass
11ax (HE40) (RU)	CH38	26	7.71	17.00	Pass
		52	5.07	17.00	Pass
		106	1.72	17.00	Pass
		242	-1.92	17.00	Pass
	CH46	26	7.72	17.00	Pass
		52	4.95	17.00	Pass
		106	1.79	17.00	Pass
		242	-1.60	17.00	Pass
11ax (HE80) (RU)	CH42	26	7.71	17.00	Pass
		52	4.82	17.00	Pass
		106	1.86	17.00	Pass
		242	-1.74	17.00	Pass
		484	-4.74	17.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	FCC Limit (dBm/500kHz)	Verdict
11a	CH149	0.26	30.00	Pass
11a	CH157	0.22	30.00	Pass
11a	CH165	-0.15	30.00	Pass
11n(HT20)	CH149	-1.86	30.00	Pass
11n(HT20)	CH157	-1.99	30.00	Pass
11n(HT20)	CH165	-2.15	30.00	Pass
11n(HT40)	CH151	-4.58	30.00	Pass
11n(HT40)	CH159	-4.92	30.00	Pass
11ac(VHT20)	CH149	-2.63	30.00	Pass
11ac(VHT20)	CH157	-2.84	30.00	Pass
11ac(VHT20)	CH165	-2.95	30.00	Pass
11ac(VHT40)	CH151	-6.16	30.00	Pass
11ac(VHT40)	CH159	-6.28	30.00	Pass
11ac(VHT80)	CH155	-9.45	30.00	Pass
11ax(HE20) (SU)	CH149	-4.27	30.00	Pass
11ax(HE20) (SU)	CH157	-4.43	30.00	Pass
11ax(HE20) (SU)	CH165	-4.62	30.00	Pass
11ax(HE40) (SU)	CH151	-7.41	30.00	Pass
11ax(HE40) (SU)	CH159	-7.07	30.00	Pass
11ax(HE80) (SU)	CH155	-9.93	30.00	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	RU Config	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11ax (HE20) (RU)	CH149	26	5.11	30.00	Pass
		52	2.23	30.00	Pass
		106	-0.69	30.00	Pass
	CH157	26	4.81	30.00	Pass
		52	1.97	30.00	Pass
		106	-1.00	30.00	Pass
	CH165	26	4.96	30.00	Pass
		52	1.89	30.00	Pass
		106	-1.04	30.00	Pass
11ax (HE40) (RU)	CH151	26	4.96	30.00	Pass
		52	2.28	30.00	Pass
		106	-0.65	30.00	Pass
		242	-4.57	30.00	Pass
	CH159	26	5.14	30.00	Pass
		52	1.90	30.00	Pass
		106	-0.97	30.00	Pass
		242	-4.52	30.00	Pass
11ax (HE80) (RU)	CH155	26	4.75	30.00	Pass
		52	1.87	30.00	Pass
		106	-1.15	30.00	Pass
		242	-4.54	30.00	Pass
		484	-7.55	30.00	Pass

SISO-Antenna 2

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	3.31	17.00	Pass
11a	CH44	3.52	17.00	Pass
11a	CH48	3.27	17.00	Pass
11n(HT20)	CH36	0.81	17.00	Pass
11n(HT20)	CH44	1.29	17.00	Pass
11n(HT20)	CH48	0.94	17.00	Pass
11n(HT40)	CH38	-2.13	17.00	Pass
11n(HT40)	CH46	-2.10	17.00	Pass
11ac(VHT20)	CH36	-0.37	17.00	Pass
11ac(VHT20)	CH44	-0.24	17.00	Pass
11ac(VHT20)	CH48	-0.08	17.00	Pass
11ac(VHT40)	CH38	-3.19	17.00	Pass
11ac(VHT40)	CH46	-3.06	17.00	Pass
11ac(VHT80)	CH42	-6.28	17.00	Pass
11ax(HE20) (SU)	CH36	-1.49	17.00	Pass
11ax(HE20) (SU)	CH44	-1.32	17.00	Pass
11ax(HE20) (SU)	CH48	-1.18	17.00	Pass
11ax(HE40) (SU)	CH38	-4.43	17.00	Pass
11ax(HE40) (SU)	CH46	-4.16	17.00	Pass
11ax(HE80) (SU)	CH42	-7.07	17.00	Pass

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	RU Config	PSD (dBm/ MHz)	Limit (dBm/ MHz)	Verdict
11ax (HE20) (RU)	CH36	26	7.51	17.00	Pass
		52	4.64	17.00	Pass
		106	1.77	17.00	Pass
	CH44	26	7.77	17.00	Pass
		52	4.91	17.00	Pass
		106	1.64	17.00	Pass
	CH48	26	7.71	17.00	Pass
		52	4.77	17.00	Pass
		106	1.95	17.00	Pass
11ax (HE40) (RU)	CH38	26	7.79	17.00	Pass
		52	4.60	17.00	Pass
		106	1.77	17.00	Pass
		242	-1.80	17.00	Pass
	CH46	26	7.56	17.00	Pass
		52	4.91	17.00	Pass
		106	1.71	17.00	Pass
		242	-1.66	17.00	Pass
11ax (HE80) (RU)	CH42	26	7.73	17.00	Pass
		52	4.93	17.00	Pass
		106	1.87	17.00	Pass
		242	-1.69	17.00	Pass
		484	-4.72	17.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	FCC Limit (dBm/500kHz)	Verdict
11a	CH149	0.02	30.00	Pass
11a	CH157	0.46	30.00	Pass
11a	CH165	0.36	30.00	Pass
11n(HT20)	CH149	-2.44	30.00	Pass
11n(HT20)	CH157	-1.78	30.00	Pass
11n(HT20)	CH165	-2.19	30.00	Pass
11n(HT40)	CH151	-4.98	30.00	Pass
11n(HT40)	CH159	-5.01	30.00	Pass
11ac(VHT20)	CH149	-3.46	30.00	Pass
11ac(VHT20)	CH157	-3.10	30.00	Pass
11ac(VHT20)	CH165	-3.15	30.00	Pass
11ac(VHT40)	CH151	-5.88	30.00	Pass
11ac(VHT40)	CH159	-5.96	30.00	Pass
11ac(VHT80)	CH155	-9.28	30.00	Pass
11ax(HE20) (SU)	CH149	-4.57	30.00	Pass
11ax(HE20) (SU)	CH157	-4.33	30.00	Pass
11ax(HE20) (SU)	CH165	-4.26	30.00	Pass
11ax(HE40) (SU)	CH151	-7.18	30.00	Pass
11ax(HE40) (SU)	CH159	-7.15	30.00	Pass
11ax(HE80) (SU)	CH155	-10.23	30.00	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	RU Config	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11ax (HE20) (RU)	CH149	26	5.08	30.00	Pass
		52	2.25	30.00	Pass
		106	-0.77	30.00	Pass
	CH157	26	4.74	30.00	Pass
		52	2.27	30.00	Pass
		106	-0.08	30.00	Pass
	CH165	26	4.62	30.00	Pass
		52	2.05	30.00	Pass
		106	-1.27	30.00	Pass
11ax (HE40) (RU)	CH151	26	5.11	30.00	Pass
		52	1.93	30.00	Pass
		106	-0.88	30.00	Pass
		242	-4.41	30.00	Pass
	CH159	26	4.64	30.00	Pass
		52	1.88	30.00	Pass
		106	-0.95	30.00	Pass
		242	-4.48	30.00	Pass
11ax (HE80) (RU)	CH155	26	4.99	30.00	Pass
		52	2.15	30.00	Pass
		106	-0.90	30.00	Pass
		242	-4.36	30.00	Pass
		484	-7.41	30.00	Pass

MIMO

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	6.03	17.00	Pass
11a	CH44	6.42	17.00	Pass
11a	CH48	6.28	17.00	Pass
11n(HT20)	CH36	3.66	17.00	Pass
11n(HT20)	CH44	4.18	17.00	Pass
11n(HT20)	CH48	3.89	17.00	Pass
11n(HT40)	CH38	0.71	17.00	Pass
11n(HT40)	CH46	0.59	17.00	Pass
11ac(VHT20)	CH36	2.66	17.00	Pass
11ac(VHT20)	CH44	2.58	17.00	Pass
11ac(VHT20)	CH48	2.95	17.00	Pass
11ac(VHT40)	CH38	-0.23	17.00	Pass
11ac(VHT40)	CH46	-0.35	17.00	Pass
11ac(VHT80)	CH42	-3.42	17.00	Pass
11ax(HE20) (SU)	CH36	1.51	17.00	Pass
11ax(HE20) (SU)	CH44	1.42	17.00	Pass
11ax(HE20) (SU)	CH48	1.40	17.00	Pass
11ax(HE40) (SU)	CH38	-1.43	17.00	Pass
11ax(HE40) (SU)	CH46	-1.50	17.00	Pass
11ax(HE80) (SU)	CH42	-4.25	17.00	Pass

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	RU Config	PSD (dBm/ MHz)	Limit (dBm/ MHz)	Verdict
11ax (HE20) (RU)	CH36	26	10.73	17.00	Pass
		52	7.66	17.00	Pass
		106	4.75	17.00	Pass
	CH44	26	10.69	17.00	Pass
		52	7.84	17.00	Pass
		106	4.72	17.00	Pass
	CH48	26	10.72	17.00	Pass
		52	7.84	17.00	Pass
		106	4.95	17.00	Pass
11ax (HE40) (RU)	CH38	26	10.76	17.00	Pass
		52	7.85	17.00	Pass
		106	4.76	17.00	Pass
		242	1.15	17.00	Pass
	CH46	26	10.65	17.00	Pass
		52	7.94	17.00	Pass
		106	4.76	17.00	Pass
		242	1.38	17.00	Pass
11ax (HE80) (RU)	CH42	26	10.73	17.00	Pass
		52	7.89	17.00	Pass
		106	4.87	17.00	Pass
		242	1.30	17.00	Pass
		484	-1.72	17.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	FCC Limit (dBm/500kHz)	Verdict
11a	CH149	3.15	30.00	Pass
11a	CH157	3.35	30.00	Pass
11a	CH165	3.12	30.00	Pass
11n(HT20)	CH149	0.87	30.00	Pass
11n(HT20)	CH157	1.13	30.00	Pass
11n(HT20)	CH165	0.84	30.00	Pass
11n(HT40)	CH151	-1.76	30.00	Pass
11n(HT40)	CH159	-1.95	30.00	Pass
11ac(VHT20)	CH149	-0.01	30.00	Pass
11ac(VHT20)	CH157	0.04	30.00	Pass
11ac(VHT20)	CH165	-0.04	30.00	Pass
11ac(VHT40)	CH151	-3.01	30.00	Pass
11ac(VHT40)	CH159	-3.11	30.00	Pass
11ac(VHT80)	CH155	-6.35	30.00	Pass
11ax(HE20) (SU)	CH149	-1.41	30.00	Pass
11ax(HE20) (SU)	CH157	-1.37	30.00	Pass
11ax(HE20) (SU)	CH165	-1.42	30.00	Pass
11ax(HE40) (SU)	CH151	-4.29	30.00	Pass
11ax(HE40) (SU)	CH159	-4.10	30.00	Pass
11ax(HE80) (SU)	CH155	-7.06	30.00	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	RU Config	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11ax (HE20) (RU)	CH149	26	8.10	30.00	Pass
		52	5.25	30.00	Pass
		106	2.28	30.00	Pass
	CH157	26	7.78	30.00	Pass
		52	5.13	30.00	Pass
		106	2.49	30.00	Pass
	CH165	26	7.80	30.00	Pass
		52	4.98	30.00	Pass
		106	1.86	30.00	Pass
11ax (HE40) (RU)	CH151	26	8.05	30.00	Pass
		52	5.12	30.00	Pass
		106	2.25	30.00	Pass
		242	-1.48	30.00	Pass
	CH159	26	7.90	30.00	Pass
		52	4.90	30.00	Pass
		106	2.05	30.00	Pass
		242	-1.49	30.00	Pass
11ax (HE80) (RU)	CH155	26	7.88	30.00	Pass
		52	5.02	30.00	Pass
		106	1.99	30.00	Pass
		242	-1.44	30.00	Pass
		484	-4.47	30.00	Pass

A.5 Conducted Emissions

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

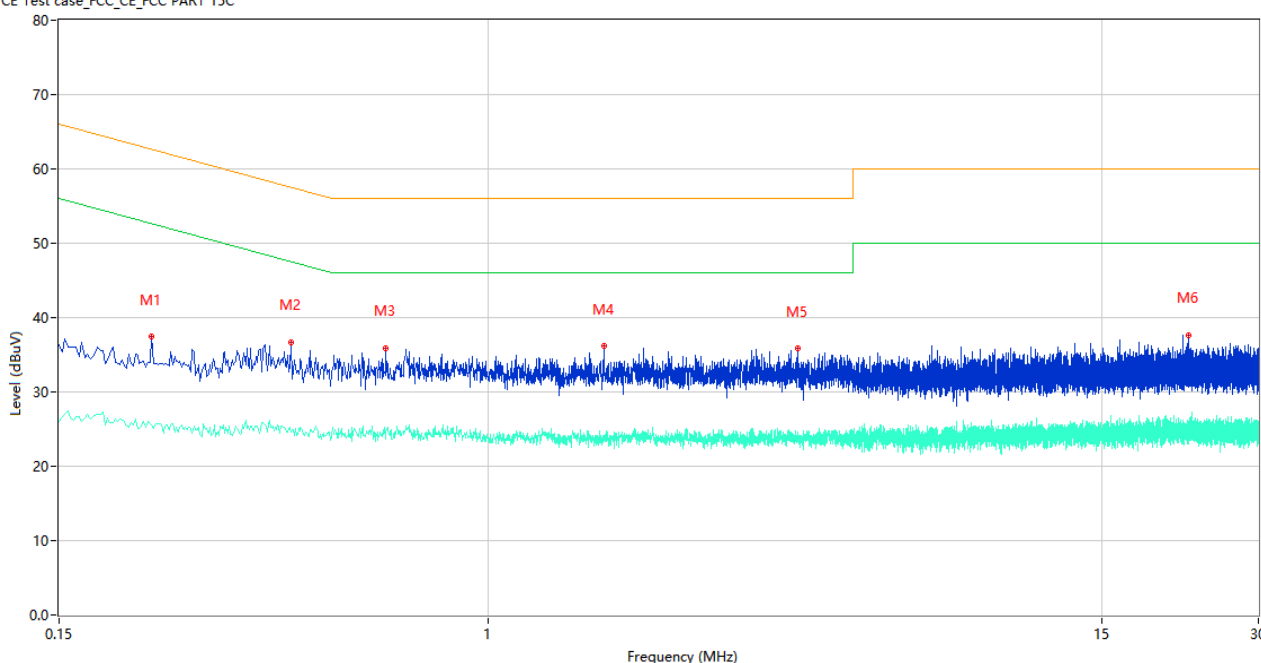
Note ²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

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

Test Data and Plots

PHASE L

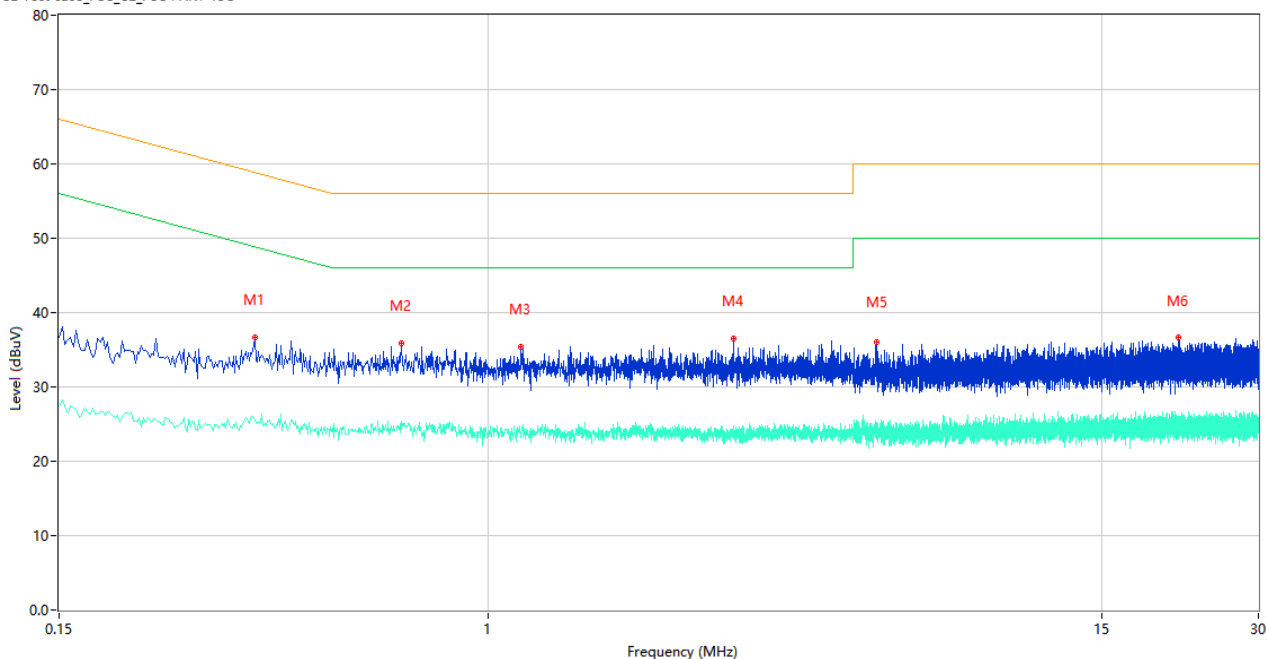
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.226	37.42	9.77	62.60	25.18	Peak	L	Pass
1**	0.226	25.57	9.77	52.60	27.03	AV	L	Pass
2	0.418	36.74	10.36	57.49	20.75	Peak	L	Pass
2**	0.418	24.63	10.36	47.49	22.86	AV	L	Pass
3	0.636	35.94	10.20	56.00	20.06	Peak	L	Pass
3**	0.636	24.81	10.20	46.00	21.19	AV	L	Pass
4	1.666	36.16	10.02	56.00	19.84	Peak	L	Pass
4**	1.666	23.78	10.02	46.00	22.22	AV	L	Pass
5	3.916	35.80	10.23	56.00	20.20	Peak	L	Pass
5**	3.916	23.70	10.23	46.00	22.30	AV	L	Pass
6	22.002	37.65	10.99	60.00	22.35	Peak	L	Pass
6**	22.002	24.78	10.99	50.00	25.22	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	0.356	36.70	10.73	58.82	22.12	Peak	N	Pass
1**	0.356	25.52	10.73	48.82	23.30	AV	N	Pass
2	0.680	35.90	10.48	56.00	20.10	Peak	N	Pass
2**	0.680	25.47	10.48	46.00	20.53	AV	N	Pass
3	1.156	35.46	10.33	56.00	20.54	Peak	N	Pass
3**	1.156	23.87	10.33	46.00	22.13	AV	N	Pass
4	2.946	36.55	10.18	56.00	19.45	Peak	N	Pass
4**	2.946	23.54	10.18	46.00	22.46	AV	N	Pass
5	5.554	35.95	10.49	60.00	24.05	Peak	N	Pass
5**	5.554	23.27	10.49	50.00	26.73	AV	N	Pass
6	21.066	36.61	10.94	60.00	23.39	Peak	N	Pass
6**	21.066	25.07	10.94	50.00	24.93	AV	N	Pass

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

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

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

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

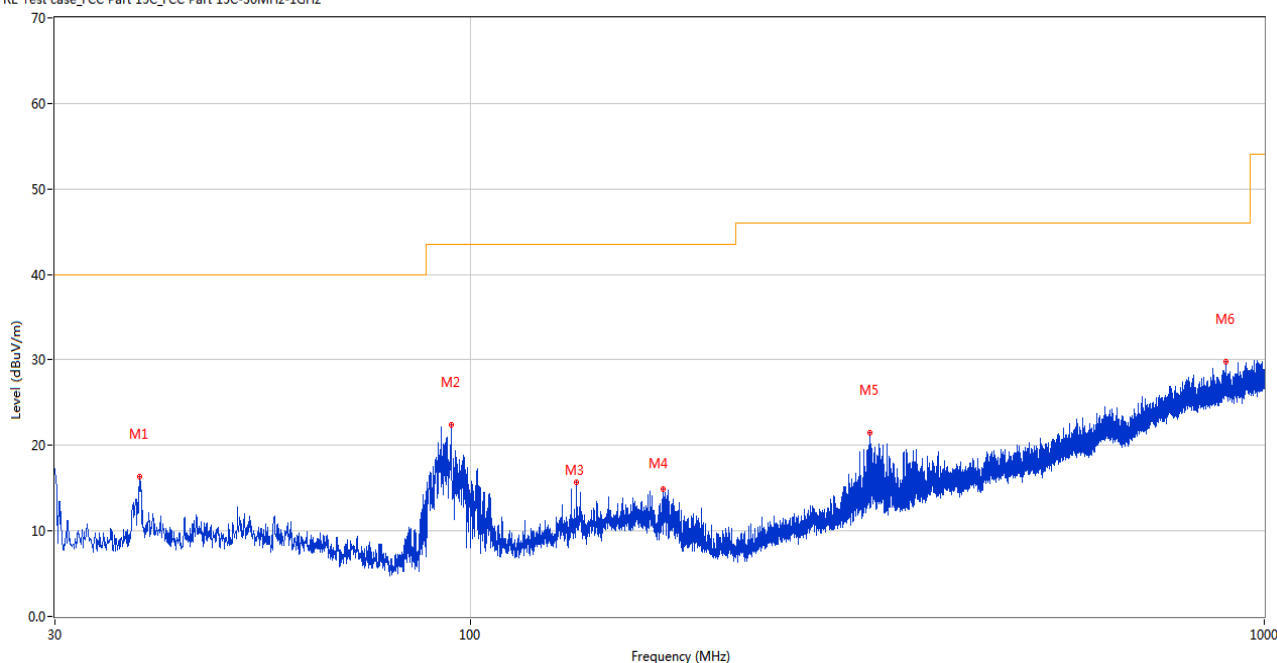
Note ⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Note ⁵: For Multiple transmitter output, the quantity $10 \log(NANT)$ dB is added to each spectrum value before comparing to the emission limit. When testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding $10 \log(NANT)$ if the measurements are made relative to the in-band emissions on the individual outputs.

Test Data and Plots

30 MHz to 1 GHz, ANT H

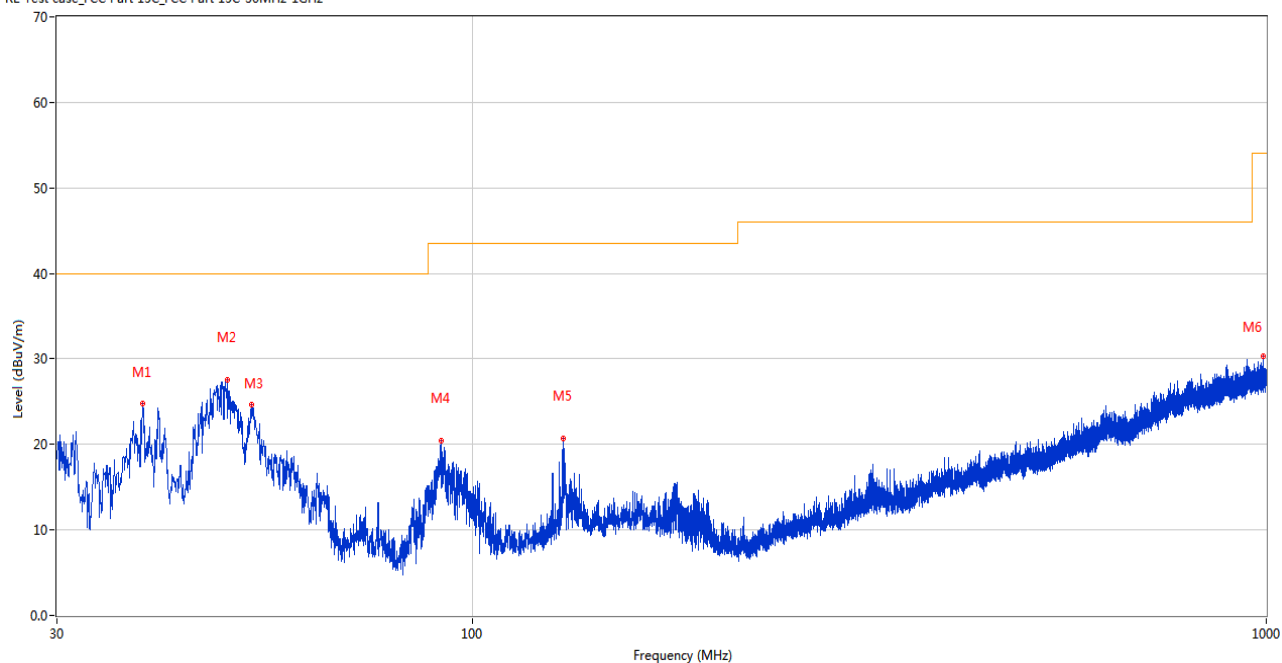
RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	38.342	16.40	-26.79	40.0	23.60	Peak	186.00	100	Horizontal	Pass
2	94.699	22.37	-30.21	43.5	21.13	Peak	178.00	200	Horizontal	Pass
3	136.215	15.68	-26.40	43.5	27.82	Peak	260.00	200	Horizontal	Pass
4	175.209	14.92	-26.44	43.5	28.58	Peak	212.00	200	Horizontal	Pass
5	318.914	21.48	-24.03	46.0	24.52	Peak	257.00	100	Horizontal	Pass
6	895.725	29.83	-10.73	46.0	16.17	Peak	203.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	38.487	24.80	-26.80	40.0	15.20	Peak	271.00	100	Vertical	Pass
2	49.157	27.55	-26.94	40.0	12.45	Peak	264.00	100	Vertical	Pass
3	52.795	24.69	-26.67	40.0	15.31	Peak	318.00	100	Vertical	Pass
4	91.498	20.38	-30.29	43.5	23.12	Peak	222.00	100	Vertical	Pass
5	130.152	20.70	-27.44	43.5	22.80	Peak	43.00	100	Vertical	Pass
6	991.901	30.28	-9.81	54.0	23.72	Peak	0.00	200	Vertical	Pass

Note ¹: The spurious above 18G is noise only, do not show on the report.

Note ²: All antenna were pre tested, but only the worst case has been reported in this report.

Note ³: All the configurations were pre tested, only the worst configuration has been reported in this report.

MIMO

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	1510.960	41.56	74.0	32.44	Peak	40.00	300	Horizontal	Pass
1**	1510.960	31.53	54.0	22.47	AV	40.00	300	Horizontal	Pass
2	2350.240	45.91	74.0	28.09	Peak	344.00	100	Horizontal	Pass
2**	2350.240	38.67	54.0	15.33	AV	344.00	100	Horizontal	Pass
3	4207.912	47.80	74.0	26.20	Peak	135.00	200	Horizontal	Pass
3**	4207.912	38.51	54.0	15.49	AV	135.00	200	Horizontal	Pass
4	7431.846	54.22	74.0	19.78	Peak	73.00	100	Horizontal	Pass
4**	7431.846	45.56	54.0	8.44	AV	73.00	100	Horizontal	Pass
5	12518.000	58.12	74.0	15.88	Peak	120.00	200	Horizontal	Pass
5**	12518.000	45.78	54.0	8.22	AV	120.00	200	Horizontal	Pass
6	16143.780	54.64	74.0	19.36	Peak	21.00	100	Horizontal	Pass
6**	16143.780	42.77	54.0	11.23	AV	21.00	100	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	1568.287	38.09	74.0	35.91	Peak	20.00	400	Vertical	Pass
1**	1568.287	27.34	54.0	26.66	AV	20.00	400	Vertical	Pass
2	2348.135	45.18	74.0	28.82	Peak	134.00	200	Vertical	Pass
2**	2348.135	33.36	54.0	20.64	AV	134.00	200	Vertical	Pass
3	3914.226	46.10	74.0	27.90	Peak	164.00	200	Vertical	Pass
3**	3914.226	37.75	54.0	16.25	AV	164.00	200	Vertical	Pass
4	7676.839	50.91	74.0	23.09	Peak	124.00	100	Vertical	Pass
4**	7676.839	46.61	54.0	7.39	AV	124.00	100	Vertical	Pass
5	12532.292	55.23	74.0	18.77	Peak	185.00	300	Vertical	Pass
5**	12532.292	44.52	54.0	9.48	AV	185.00	300	Vertical	Pass
6	15385.484	54.99	74.0	19.01	Peak	264.00	100	Vertical	Pass
6**	15385.484	44.33	54.0	9.67	AV	264.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1508.987	38.03	74.0	35.97	Peak	33.00	400	Horizontal	Pass
1**	1508.987	30.32	54.0	23.68	AV	33.00	400	Horizontal	Pass
2	2346.693	42.16	74.0	31.84	Peak	32.00	200	Horizontal	Pass
2**	2346.693	36.55	54.0	17.45	AV	32.00	200	Horizontal	Pass
3	4202.026	49.19	74.0	24.81	Peak	61.00	200	Horizontal	Pass
3**	4202.026	35.26	54.0	18.74	AV	61.00	200	Horizontal	Pass
4	7436.238	56.78	74.0	17.22	Peak	3.00	100	Horizontal	Pass
4**	7436.238	43.74	54.0	10.26	AV	3.00	100	Horizontal	Pass
5	12520.044	55.27	74.0	18.73	Peak	194.00	400	Horizontal	Pass
5**	12520.044	49.64	54.0	4.36	AV	194.00	400	Horizontal	Pass
6	16149.282	56.71	74.0	17.29	Peak	320.00	400	Horizontal	Pass
6**	16149.282	45.68	54.0	8.32	AV	320.00	400	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	1570.382	39.29	74.0	34.71	Peak	78.00	300	Vertical	Pass
1**	1570.382	29.47	54.0	24.53	AV	78.00	300	Vertical	Pass
2	2350.064	42.84	74.0	31.16	Peak	168.00	100	Vertical	Pass
2**	2350.064	31.75	54.0	22.25	AV	168.00	100	Vertical	Pass
3	3917.130	46.57	74.0	27.43	Peak	112.00	200	Vertical	Pass
3**	3917.130	36.77	54.0	17.23	AV	112.00	200	Vertical	Pass
4	7680.504	51.00	74.0	23.00	Peak	192.00	100	Vertical	Pass
4**	7680.504	41.23	54.0	12.77	AV	192.00	100	Vertical	Pass
5	12531.674	53.87	74.0	20.13	Peak	269.00	200	Vertical	Pass
5**	12531.674	44.43	54.0	9.57	AV	269.00	200	Vertical	Pass
6	15385.099	54.35	74.0	19.65	Peak	236.00	200	Vertical	Pass
6**	15385.099	47.07	54.0	6.93	AV	236.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1515.354	41.67	74.0	32.33	Peak	331.00	100	Horizontal	Pass
1**	1515.354	30.66	54.0	23.34	AV	331.00	100	Horizontal	Pass
2	2350.619	46.09	74.0	27.91	Peak	360.00	300	Horizontal	Pass
2**	2350.619	36.06	54.0	17.94	AV	360.00	300	Horizontal	Pass
3	4202.129	48.27	74.0	25.73	Peak	6.00	200	Horizontal	Pass
3**	4202.129	39.22	54.0	14.78	AV	6.00	200	Horizontal	Pass
4	7431.659	54.15	74.0	19.85	Peak	169.00	400	Horizontal	Pass
4**	7431.659	41.66	54.0	12.34	AV	169.00	400	Horizontal	Pass
5	12519.334	53.43	74.0	20.57	Peak	122.00	400	Horizontal	Pass
5**	12519.334	45.58	54.0	8.42	AV	122.00	400	Horizontal	Pass
6	16144.708	54.25	74.0	19.75	Peak	123.00	300	Horizontal	Pass
6**	16144.708	44.05	54.0	9.95	AV	123.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1569.597	37.53	74.0	36.47	Peak	328.00	200	Vertical	Pass
1**	1569.597	25.68	54.0	28.32	AV	328.00	200	Vertical	Pass
2	2344.446	43.53	74.0	30.47	Peak	358.00	100	Vertical	Pass
2**	2344.446	35.19	54.0	18.81	AV	358.00	100	Vertical	Pass
3	3918.547	46.08	74.0	27.92	Peak	121.00	200	Vertical	Pass
3**	3918.547	33.28	54.0	20.72	AV	121.00	200	Vertical	Pass
4	7682.775	49.62	74.0	24.38	Peak	44.00	300	Vertical	Pass
4**	7682.775	46.34	54.0	7.66	AV	44.00	300	Vertical	Pass
5	12531.194	56.23	74.0	17.77	Peak	360.00	100	Vertical	Pass
5**	12531.194	43.37	54.0	10.63	AV	360.00	100	Vertical	Pass
6	15380.277	56.11	74.0	17.89	Peak	213.00	100	Vertical	Pass
6**	15380.277	44.94	54.0	9.06	AV	213.00	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	1509.003	40.26	74.0	33.74	Peak	177.00	400	Horizontal	Pass
1**	1509.003	28.75	54.0	25.25	AV	177.00	400	Horizontal	Pass
2	2351.063	45.28	74.0	28.72	Peak	308.00	100	Horizontal	Pass
2**	2351.063	35.98	54.0	18.02	AV	308.00	100	Horizontal	Pass
3	4201.526	46.76	74.0	27.24	Peak	59.00	200	Horizontal	Pass
3**	4201.526	37.20	54.0	16.80	AV	59.00	200	Horizontal	Pass
4	7435.192	56.63	74.0	17.37	Peak	213.00	100	Horizontal	Pass
4**	7435.192	39.94	54.0	14.06	AV	213.00	100	Horizontal	Pass
5	12520.980	54.77	74.0	19.23	Peak	20.00	400	Horizontal	Pass
5**	12520.980	49.77	54.0	4.23	AV	20.00	400	Horizontal	Pass
6	16150.703	56.80	74.0	17.20	Peak	301.00	300	Horizontal	Pass
6**	16147.021	43.46	54.0	10.54	AV	192.00	400	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	1568.904	34.86	74.0	39.14	Peak	42.00	400	Vertical	Pass
1**	1568.904	25.97	54.0	28.03	AV	42.00	400	Vertical	Pass
2	2345.766	44.51	74.0	29.49	Peak	341.00	200	Vertical	Pass
2**	2345.766	35.90	54.0	18.10	AV	341.00	200	Vertical	Pass
3	3914.346	44.33	74.0	29.67	Peak	261.00	200	Vertical	Pass
3**	3914.346	34.89	54.0	19.11	AV	261.00	200	Vertical	Pass
4	7682.806	49.58	74.0	24.42	Peak	117.00	300	Vertical	Pass
4**	7682.806	42.19	54.0	11.81	AV	117.00	300	Vertical	Pass
5	12532.382	56.16	74.0	17.84	Peak	311.00	400	Vertical	Pass
5**	12532.382	40.88	54.0	13.12	AV	311.00	400	Vertical	Pass
6	15383.202	50.21	74.0	23.79	Peak	60.00	300	Vertical	Pass
6**	15383.202	47.54	54.0	6.46	AV	60.00	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	1508.758	42.58	74.0	31.42	Peak	106.00	100	Horizontal	Pass
1**	1508.758	32.16	54.0	21.84	AV	106.00	100	Horizontal	Pass
2	2350.664	44.39	74.0	29.61	Peak	83.00	400	Horizontal	Pass
2**	2350.664	35.83	54.0	18.17	AV	83.00	400	Horizontal	Pass
3	4208.102	45.57	74.0	28.43	Peak	32.00	200	Horizontal	Pass
3**	4208.102	37.71	54.0	16.29	AV	32.00	200	Horizontal	Pass
4	7435.651	51.86	74.0	22.14	Peak	9.00	400	Horizontal	Pass
4**	7435.651	45.03	54.0	8.97	AV	9.00	400	Horizontal	Pass
5	12521.791	55.25	74.0	18.75	Peak	20.00	300	Horizontal	Pass
5**	12521.791	45.36	54.0	8.64	AV	20.00	300	Horizontal	Pass
6	16144.834	55.72	74.0	18.28	Peak	34.00	300	Horizontal	Pass
6**	16144.834	44.78	54.0	9.22	AV	34.00	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	1571.316	34.54	74.0	39.46	Peak	131.00	400	Vertical	Pass
1**	1571.316	28.02	54.0	25.98	AV	131.00	400	Vertical	Pass
2	2348.853	45.67	74.0	28.33	Peak	125.00	100	Vertical	Pass
2**	2348.853	32.22	54.0	21.78	AV	125.00	100	Vertical	Pass
3	3918.241	46.49	74.0	27.51	Peak	19.00	200	Vertical	Pass
3**	3918.241	36.27	54.0	17.73	AV	19.00	200	Vertical	Pass
4	7679.339	51.78	74.0	22.22	Peak	42.00	300	Vertical	Pass
4**	7679.339	41.31	54.0	12.69	AV	42.00	300	Vertical	Pass
5	12528.851	52.85	74.0	21.15	Peak	225.00	400	Vertical	Pass
5**	12528.851	42.57	54.0	11.43	AV	225.00	400	Vertical	Pass
6	15382.793	51.93	74.0	22.07	Peak	250.00	400	Vertical	Pass
6**	15382.793	43.69	54.0	10.31	AV	250.00	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	1511.994	42.30	74.0	31.70	Peak	197.00	100	Horizontal	Pass
1**	1511.994	31.96	54.0	22.04	AV	197.00	100	Horizontal	Pass
2	2344.564	47.04	74.0	26.96	Peak	141.00	100	Horizontal	Pass
2**	2344.564	34.51	54.0	19.49	AV	141.00	100	Horizontal	Pass
3	4205.637	50.67	74.0	23.33	Peak	211.00	200	Horizontal	Pass
3**	4205.637	35.87	54.0	18.13	AV	211.00	200	Horizontal	Pass
4	7435.372	52.63	74.0	21.37	Peak	215.00	200	Horizontal	Pass
4**	7435.372	44.40	54.0	9.60	AV	215.00	200	Horizontal	Pass
5	12517.156	54.28	74.0	19.72	Peak	124.00	200	Horizontal	Pass
5**	12517.156	48.88	54.0	5.12	AV	124.00	200	Horizontal	Pass
6	16144.432	52.81	74.0	21.19	Peak	37.00	100	Horizontal	Pass
6**	16144.432	45.99	54.0	8.01	AV	37.00	100	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	1573.465	34.22	74.0	39.78	Peak	159.00	100	Vertical	Pass
1**	1573.465	25.06	54.0	28.94	AV	159.00	100	Vertical	Pass
2	2345.923	45.11	74.0	28.89	Peak	1.00	300	Vertical	Pass
2**	2345.923	30.48	54.0	23.52	AV	1.00	300	Vertical	Pass
3	3917.063	43.03	74.0	30.97	Peak	203.00	200	Vertical	Pass
3**	3917.063	36.37	54.0	17.63	AV	203.00	200	Vertical	Pass
4	7682.691	51.99	74.0	22.01	Peak	159.00	300	Vertical	Pass
4**	7682.691	45.22	54.0	8.78	AV	159.00	300	Vertical	Pass
5	12530.598	54.58	74.0	19.42	Peak	143.00	200	Vertical	Pass
5**	12530.598	40.80	54.0	13.20	AV	143.00	200	Vertical	Pass
6	15381.118	51.99	74.0	22.01	Peak	318.00	300	Vertical	Pass
6**	15381.118	45.84	54.0	8.16	AV	318.00	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	1509.900	38.10	74.0	35.90	Peak	283.00	300	Horizontal	Pass
1**	1509.900	30.38	54.0	23.62	AV	283.00	300	Horizontal	Pass
2	2347.901	46.95	74.0	27.05	Peak	285.00	300	Horizontal	Pass
2**	2347.901	35.09	54.0	18.91	AV	285.00	300	Horizontal	Pass
3	4205.944	46.54	74.0	27.46	Peak	46.00	200	Horizontal	Pass
3**	4205.944	35.62	54.0	18.38	AV	46.00	200	Horizontal	Pass
4	7432.844	55.75	74.0	18.25	Peak	285.00	400	Horizontal	Pass
4**	7432.844	44.88	54.0	9.12	AV	285.00	400	Horizontal	Pass
5	12518.465	53.66	74.0	20.34	Peak	323.00	300	Horizontal	Pass
5**	12518.465	45.12	54.0	8.88	AV	323.00	300	Horizontal	Pass
6	16145.107	53.62	74.0	20.38	Peak	3.00	400	Horizontal	Pass
6**	16145.107	43.95	54.0	10.05	AV	3.00	400	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	1566.677	39.36	74.0	34.64	Peak	109.00	100	Vertical	Pass
1**	1566.677	24.18	54.0	29.82	AV	109.00	100	Vertical	Pass
2	2349.085	47.45	74.0	26.55	Peak	347.00	400	Vertical	Pass
2**	2349.085	32.48	54.0	21.52	AV	347.00	400	Vertical	Pass
3	3918.836	45.11	74.0	28.89	Peak	344.00	200	Vertical	Pass
3**	3918.836	33.32	54.0	20.68	AV	344.00	200	Vertical	Pass
4	7677.426	50.34	74.0	23.66	Peak	167.00	100	Vertical	Pass
4**	7677.426	46.07	54.0	7.93	AV	167.00	100	Vertical	Pass
5	12529.809	57.25	74.0	16.75	Peak	100.00	200	Vertical	Pass
5**	12529.809	43.13	54.0	10.87	AV	100.00	200	Vertical	Pass
6	15380.542	51.03	74.0	22.97	Peak	74.00	200	Vertical	Pass
6**	15380.542	46.77	54.0	7.23	AV	74.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1507.992	37.09	74.0	36.91	Peak	147.00	400	Horizontal	Pass
1**	1507.992	29.72	54.0	24.28	AV	147.00	400	Horizontal	Pass
2	2350.338	42.63	74.0	31.37	Peak	267.00	200	Horizontal	Pass
2**	2350.338	35.58	54.0	18.42	AV	267.00	200	Horizontal	Pass
3	4206.268	49.67	74.0	24.33	Peak	131.00	200	Horizontal	Pass
3**	4206.268	39.01	54.0	14.99	AV	131.00	200	Horizontal	Pass
4	7433.174	53.56	74.0	20.44	Peak	111.00	300	Horizontal	Pass
4**	7433.174	44.86	54.0	9.14	AV	111.00	300	Horizontal	Pass
5	12520.696	58.58	74.0	15.42	Peak	121.00	300	Horizontal	Pass
5**	12520.696	46.66	54.0	7.34	AV	121.00	300	Horizontal	Pass
6	16147.406	54.65	74.0	19.35	Peak	126.00	100	Horizontal	Pass
6**	16147.406	45.51	54.0	8.49	AV	126.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1568.872	35.53	74.0	38.47	Peak	277.00	200	Vertical	Pass
1**	1568.872	25.50	54.0	28.50	AV	277.00	200	Vertical	Pass
2	2350.311	47.89	74.0	26.11	Peak	0.00	100	Vertical	Pass
2**	2350.311	35.32	54.0	18.68	AV	0.00	100	Vertical	Pass
3	3913.460	44.19	74.0	29.81	Peak	354.00	200	Vertical	Pass
3**	3913.460	35.93	54.0	18.07	AV	354.00	200	Vertical	Pass
4	7680.157	52.48	74.0	21.52	Peak	238.00	200	Vertical	Pass
4**	7680.157	44.31	54.0	9.69	AV	238.00	200	Vertical	Pass
5	12529.145	58.58	74.0	15.42	Peak	278.00	100	Vertical	Pass
5**	12529.145	44.71	54.0	9.29	AV	278.00	100	Vertical	Pass
6	15381.603	54.79	74.0	19.21	Peak	24.00	200	Vertical	Pass
6**	15381.603	42.36	54.0	11.64	AV	24.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1508.505	40.04	74.0	33.96	Peak	243.00	300	Horizontal	Pass
1**	1508.505	26.84	54.0	27.16	AV	243.00	300	Horizontal	Pass
2	2344.879	42.12	74.0	31.88	Peak	358.00	200	Horizontal	Pass
2**	2344.879	38.12	54.0	15.88	AV	358.00	200	Horizontal	Pass
3	4207.964	46.02	74.0	27.98	Peak	136.00	200	Horizontal	Pass
3**	4207.964	36.49	54.0	17.51	AV	136.00	200	Horizontal	Pass
4	7434.281	56.46	74.0	17.54	Peak	100.00	100	Horizontal	Pass
4**	7434.281	43.42	54.0	10.58	AV	100.00	100	Horizontal	Pass
5	12519.653	56.02	74.0	17.98	Peak	5.00	300	Horizontal	Pass
5**	12519.653	49.44	54.0	4.56	AV	5.00	300	Horizontal	Pass
6	16148.906	54.74	74.0	19.26	Peak	170.00	400	Horizontal	Pass
6**	16148.906	45.63	54.0	8.37	AV	170.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1569.297	34.33	74.0	39.67	Peak	237.00	300	Vertical	Pass
1**	1569.297	28.79	54.0	25.21	AV	237.00	300	Vertical	Pass
2	2344.539	42.19	74.0	31.81	Peak	25.00	100	Vertical	Pass
2**	2344.539	30.52	54.0	23.48	AV	25.00	100	Vertical	Pass
3	3913.809	47.74	74.0	26.26	Peak	21.00	200	Vertical	Pass
3**	3913.809	36.60	54.0	17.40	AV	21.00	200	Vertical	Pass
4	7677.811	52.94	74.0	21.06	Peak	12.00	100	Vertical	Pass
4**	7677.811	41.87	54.0	12.13	AV	12.00	100	Vertical	Pass
5	12530.103	58.46	74.0	15.54	Peak	75.00	400	Vertical	Pass
5**	12530.103	43.81	54.0	10.19	AV	75.00	400	Vertical	Pass
6	15382.707	52.89	74.0	21.11	Peak	232.00	400	Vertical	Pass
6**	15382.707	47.33	54.0	6.67	AV	232.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.332	41.47	74.0	32.53	Peak	64.00	100	Horizontal	Pass
1**	1512.332	29.04	54.0	24.96	AV	64.00	100	Horizontal	Pass
2	2347.244	46.80	74.0	27.20	Peak	188.00	400	Horizontal	Pass
2**	2347.244	37.83	54.0	16.17	AV	188.00	400	Horizontal	Pass
3	4207.544	46.36	74.0	27.64	Peak	264.00	200	Horizontal	Pass
3**	4207.544	35.27	54.0	18.73	AV	264.00	200	Horizontal	Pass
4	7436.987	56.32	74.0	17.68	Peak	244.00	300	Horizontal	Pass
4**	7436.987	44.33	54.0	9.67	AV	244.00	300	Horizontal	Pass
5	12515.474	56.41	74.0	17.59	Peak	67.00	300	Horizontal	Pass
5**	12515.474	49.33	54.0	4.67	AV	67.00	300	Horizontal	Pass
6	16146.907	54.57	74.0	19.43	Peak	293.00	100	Horizontal	Pass
6**	16146.907	43.35	54.0	10.65	AV	293.00	100	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	1573.122	38.38	74.0	35.62	Peak	351.00	100	Vertical	Pass
1**	1573.122	28.36	54.0	25.64	AV	351.00	100	Vertical	Pass
2	2345.410	43.67	74.0	30.33	Peak	135.00	100	Vertical	Pass
2**	2345.410	31.15	54.0	22.85	AV	135.00	100	Vertical	Pass
3	3919.558	42.81	74.0	31.19	Peak	298.00	200	Vertical	Pass
3**	3919.558	38.80	54.0	15.20	AV	298.00	200	Vertical	Pass
4	7677.328	51.97	74.0	22.03	Peak	332.00	300	Vertical	Pass
4**	7677.328	45.70	54.0	8.30	AV	332.00	300	Vertical	Pass
5	12529.463	53.59	74.0	20.41	Peak	263.00	100	Vertical	Pass
5**	12529.463	43.66	54.0	10.34	AV	263.00	100	Vertical	Pass
6	15381.339	50.50	74.0	23.50	Peak	304.00	300	Vertical	Pass
6**	15381.339	45.03	54.0	8.97	AV	304.00	300	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	1515.127	38.34	74.0	35.66	Peak	247.00	100	Horizontal	Pass
1**	1515.127	27.87	54.0	26.13	AV	247.00	100	Horizontal	Pass
2	2344.460	45.77	74.0	28.23	Peak	149.00	100	Horizontal	Pass
2**	2344.460	36.08	54.0	17.92	AV	149.00	100	Horizontal	Pass
3	4207.948	50.17	74.0	23.83	Peak	84.00	200	Horizontal	Pass
3**	4207.948	35.75	54.0	18.25	AV	84.00	200	Horizontal	Pass
4	7436.286	52.48	74.0	21.52	Peak	20.00	100	Horizontal	Pass
4**	7436.286	43.73	54.0	10.27	AV	20.00	100	Horizontal	Pass
5	12520.338	56.26	74.0	17.74	Peak	88.00	200	Horizontal	Pass
5**	12520.338	45.09	54.0	8.91	AV	88.00	200	Horizontal	Pass
6	16143.475	56.44	74.0	17.56	Peak	33.00	200	Horizontal	Pass
6**	16143.475	46.14	54.0	7.86	AV	33.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1566.967	38.65	74.0	35.35	Peak	30.00	300	Vertical	Pass
1**	1566.967	27.85	54.0	26.15	AV	30.00	300	Vertical	Pass
2	2350.461	43.82	74.0	30.18	Peak	32.00	300	Vertical	Pass
2**	2350.461	35.38	54.0	18.62	AV	32.00	300	Vertical	Pass
3	3916.362	44.93	74.0	29.07	Peak	344.00	200	Vertical	Pass
3**	3916.362	34.02	54.0	19.98	AV	344.00	200	Vertical	Pass
4	7676.685	52.05	74.0	21.95	Peak	300.00	300	Vertical	Pass
4**	7676.685	44.19	54.0	9.81	AV	300.00	300	Vertical	Pass
5	12528.066	58.71	74.0	15.29	Peak	117.00	200	Vertical	Pass
5**	12528.066	41.07	54.0	12.93	AV	117.00	200	Vertical	Pass
6	15378.862	52.59	74.0	21.41	Peak	255.00	200	Vertical	Pass
6**	15378.862	45.48	54.0	8.52	AV	255.00	200	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	1511.334	40.49	74.0	33.51	Peak	82.00	400	Horizontal	Pass
1**	1511.334	32.44	54.0	21.56	AV	82.00	400	Horizontal	Pass
2	2344.556	43.07	74.0	30.93	Peak	21.00	300	Horizontal	Pass
2**	2344.556	37.98	54.0	16.02	AV	21.00	300	Horizontal	Pass
3	4201.762	45.72	74.0	28.28	Peak	64.00	200	Horizontal	Pass
3**	4201.762	35.75	54.0	18.25	AV	64.00	200	Horizontal	Pass
4	7434.500	51.39	74.0	22.61	Peak	248.00	400	Horizontal	Pass
4**	7434.500	42.43	54.0	11.57	AV	248.00	400	Horizontal	Pass
5	12516.141	53.92	74.0	20.08	Peak	124.00	300	Horizontal	Pass
5**	12516.141	47.69	54.0	6.31	AV	124.00	300	Horizontal	Pass
6	16144.071	53.03	74.0	20.97	Peak	164.00	200	Horizontal	Pass
6**	16144.071	43.97	54.0	10.03	AV	164.00	200	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	1574.200	35.43	74.0	38.57	Peak	328.00	100	Vertical	Pass
1**	1574.200	28.42	54.0	25.58	AV	328.00	100	Vertical	Pass
2	2347.986	46.07	74.0	27.93	Peak	183.00	300	Vertical	Pass
2**	2347.986	35.21	54.0	18.79	AV	183.00	300	Vertical	Pass
3	3916.778	47.24	74.0	26.76	Peak	110.00	200	Vertical	Pass
3**	3916.778	37.44	54.0	16.56	AV	110.00	200	Vertical	Pass
4	7679.126	52.20	74.0	21.80	Peak	299.00	200	Vertical	Pass
4**	7679.126	44.20	54.0	9.80	AV	299.00	200	Vertical	Pass
5	12527.269	57.51	74.0	16.49	Peak	296.00	400	Vertical	Pass
5**	12527.269	42.23	54.0	11.77	AV	296.00	400	Vertical	Pass
6	15383.401	55.55	74.0	18.45	Peak	254.00	400	Vertical	Pass
6**	15383.401	45.99	54.0	8.01	AV	254.00	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	1512.421	37.22	74.0	36.78	Peak	248.00	200	Horizontal	Pass
1**	1512.421	27.92	54.0	26.08	AV	248.00	200	Horizontal	Pass
2	2347.750	44.23	74.0	29.77	Peak	323.00	300	Horizontal	Pass
2**	2347.750	36.30	54.0	17.70	AV	323.00	300	Horizontal	Pass
3	4207.007	50.61	74.0	23.39	Peak	134.00	200	Horizontal	Pass
3**	4207.007	37.95	54.0	16.05	AV	134.00	200	Horizontal	Pass
4	7435.870	55.15	74.0	18.85	Peak	112.00	400	Horizontal	Pass
4**	7435.870	41.65	54.0	12.35	AV	112.00	400	Horizontal	Pass
5	12518.376	58.30	74.0	15.70	Peak	54.00	300	Horizontal	Pass
5**	12518.376	49.35	54.0	4.65	AV	54.00	300	Horizontal	Pass
6	16148.042	51.84	74.0	22.16	Peak	74.00	300	Horizontal	Pass
6**	16148.042	42.11	54.0	11.89	AV	74.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1569.218	34.16	74.0	39.84	Peak	13.00	200	Vertical	Pass
1**	1569.218	25.83	54.0	28.17	AV	13.00	200	Vertical	Pass
2	2344.458	47.26	74.0	26.74	Peak	208.00	100	Vertical	Pass
2**	2344.458	31.46	54.0	22.54	AV	208.00	100	Vertical	Pass
3	3914.547	45.64	74.0	28.36	Peak	238.00	200	Vertical	Pass
3**	3914.547	33.63	54.0	20.37	AV	238.00	200	Vertical	Pass
4	7677.246	49.48	74.0	24.52	Peak	30.00	200	Vertical	Pass
4**	7677.246	45.25	54.0	8.75	AV	30.00	200	Vertical	Pass
5	12530.376	53.46	74.0	20.54	Peak	25.00	200	Vertical	Pass
5**	12530.376	40.41	54.0	13.59	AV	25.00	200	Vertical	Pass
6	15379.747	56.14	74.0	17.86	Peak	293.00	300	Vertical	Pass
6**	15379.747	42.76	54.0	11.24	AV	293.00	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	1513.278	37.73	74.0	36.27	Peak	10.00	300	Horizontal	Pass
1**	1513.278	30.53	54.0	23.47	AV	10.00	300	Horizontal	Pass
2	2345.700	42.52	74.0	31.48	Peak	359.00	100	Horizontal	Pass
2**	2345.700	37.37	54.0	16.63	AV	359.00	100	Horizontal	Pass
3	4202.060	47.86	74.0	26.14	Peak	286.00	200	Horizontal	Pass
3**	4202.060	38.48	54.0	15.52	AV	286.00	200	Horizontal	Pass
4	7436.324	52.42	74.0	21.58	Peak	115.00	300	Horizontal	Pass
4**	7436.324	41.77	54.0	12.23	AV	115.00	300	Horizontal	Pass
5	12519.694	58.05	74.0	15.95	Peak	269.00	300	Horizontal	Pass
5**	12519.694	46.35	54.0	7.65	AV	269.00	300	Horizontal	Pass
6	16148.009	53.94	74.0	20.06	Peak	241.00	200	Horizontal	Pass
6**	16148.009	45.04	54.0	8.96	AV	241.00	200	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	1568.887	36.31	74.0	37.69	Peak	175.00	400	Vertical	Pass
1**	1568.887	24.06	54.0	29.94	AV	175.00	400	Vertical	Pass
2	2350.622	45.63	74.0	28.37	Peak	145.00	100	Vertical	Pass
2**	2350.622	32.91	54.0	21.09	AV	145.00	100	Vertical	Pass
3	3919.584	46.11	74.0	27.89	Peak	16.00	200	Vertical	Pass
3**	3919.584	39.18	54.0	14.82	AV	16.00	200	Vertical	Pass
4	7682.494	50.86	74.0	23.14	Peak	359.00	400	Vertical	Pass
4**	7682.494	46.09	54.0	7.91	AV	359.00	400	Vertical	Pass
5	12526.249	54.72	74.0	19.28	Peak	151.00	400	Vertical	Pass
5**	12526.249	44.13	54.0	9.87	AV	151.00	400	Vertical	Pass
6	15380.852	51.76	74.0	22.24	Peak	327.00	100	Vertical	Pass
6**	15380.852	44.02	54.0	9.98	AV	327.00	100	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	1512.068	41.68	74.0	32.32	Peak	266.00	400	Horizontal	Pass
1**	1512.068	31.27	54.0	22.73	AV	266.00	400	Horizontal	Pass
2	2351.384	42.39	74.0	31.61	Peak	299.00	300	Horizontal	Pass
2**	2351.384	38.32	54.0	15.68	AV	299.00	300	Horizontal	Pass
3	4202.094	48.78	74.0	25.22	Peak	100.00	200	Horizontal	Pass
3**	4202.094	39.85	54.0	14.15	AV	100.00	200	Horizontal	Pass
4	7433.098	56.71	74.0	17.29	Peak	318.00	400	Horizontal	Pass
4**	7433.098	44.81	54.0	9.19	AV	318.00	400	Horizontal	Pass
5	12514.106	56.44	74.0	17.56	Peak	259.00	300	Horizontal	Pass
5**	12514.106	45.91	54.0	8.09	AV	259.00	300	Horizontal	Pass
6	16150.587	53.89	74.0	20.11	Peak	215.00	200	Horizontal	Pass
6**	16150.587	45.27	54.0	8.73	AV	215.00	200	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	1573.484	38.60	74.0	35.40	Peak	173.00	200	Vertical	Pass
1**	1573.484	26.30	54.0	27.70	AV	173.00	200	Vertical	Pass
2	2347.124	43.07	74.0	30.93	Peak	147.00	400	Vertical	Pass
2**	2347.124	33.83	54.0	20.17	AV	147.00	400	Vertical	Pass
3	3919.552	46.08	74.0	27.92	Peak	185.00	200	Vertical	Pass
3**	3919.552	38.95	54.0	15.05	AV	185.00	200	Vertical	Pass
4	7677.652	54.01	74.0	19.99	Peak	117.00	400	Vertical	Pass
4**	7677.652	44.99	54.0	9.01	AV	117.00	400	Vertical	Pass
5	12530.031	56.38	74.0	17.62	Peak	279.00	400	Vertical	Pass
5**	12530.031	43.53	54.0	10.47	AV	279.00	400	Vertical	Pass
6	15385.937	51.81	74.0	22.19	Peak	202.00	200	Vertical	Pass
6**	15385.937	43.37	54.0	10.63	AV	202.00	200	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	1511.964	39.43	74.0	34.57	Peak	356.00	400	Horizontal	Pass
1**	1511.964	31.92	54.0	22.08	AV	356.00	400	Horizontal	Pass
2	2345.351	44.28	74.0	29.72	Peak	222.00	200	Horizontal	Pass
2**	2345.351	37.00	54.0	17.00	AV	222.00	200	Horizontal	Pass
3	4209.348	46.46	74.0	27.54	Peak	235.00	200	Horizontal	Pass
3**	4209.348	39.31	54.0	14.69	AV	235.00	200	Horizontal	Pass
4	7437.263	51.55	74.0	22.45	Peak	108.00	300	Horizontal	Pass
4**	7437.263	45.02	54.0	8.98	AV	108.00	300	Horizontal	Pass
5	12517.435	54.29	74.0	19.71	Peak	5.00	300	Horizontal	Pass
5**	12517.435	49.56	54.0	4.44	AV	5.00	300	Horizontal	Pass
6	16148.090	54.23	74.0	19.77	Peak	139.00	200	Horizontal	Pass
6**	16148.090	46.48	54.0	7.52	AV	139.00	200	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	1570.567	34.04	74.0	39.96	Peak	53.00	100	Vertical	Pass
1**	1570.567	26.19	54.0	27.81	AV	53.00	100	Vertical	Pass
2	2348.628	45.10	74.0	28.90	Peak	97.00	200	Vertical	Pass
2**	2348.628	30.92	54.0	23.08	AV	97.00	200	Vertical	Pass
3	3914.417	42.66	74.0	31.34	Peak	30.00	200	Vertical	Pass
3**	3914.417	34.22	54.0	19.78	AV	30.00	200	Vertical	Pass
4	7676.634	52.37	74.0	21.63	Peak	263.00	100	Vertical	Pass
4**	7676.634	46.99	54.0	7.01	AV	263.00	100	Vertical	Pass
5	12529.169	55.69	74.0	18.31	Peak	345.00	200	Vertical	Pass
5**	12529.169	41.61	54.0	12.39	AV	345.00	200	Vertical	Pass
6	15379.591	52.78	74.0	21.22	Peak	0.00	200	Vertical	Pass
6**	15379.591	44.29	54.0	9.71	AV	0.00	200	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	1512.190	37.90	74.0	36.10	Peak	265.00	400	Horizontal	Pass
1**	1512.190	26.65	54.0	27.35	AV	265.00	400	Horizontal	Pass
2	2346.686	42.14	74.0	31.86	Peak	102.00	400	Horizontal	Pass
2**	2346.686	39.71	54.0	14.29	AV	102.00	400	Horizontal	Pass
3	4208.454	44.79	74.0	29.21	Peak	236.00	200	Horizontal	Pass
3**	4208.454	40.17	54.0	13.83	AV	236.00	200	Horizontal	Pass
4	7436.111	57.12	74.0	16.88	Peak	357.00	300	Horizontal	Pass
4**	7436.111	43.67	54.0	10.33	AV	357.00	300	Horizontal	Pass
5	12514.497	53.71	74.0	20.29	Peak	35.00	100	Horizontal	Pass
5**	12514.497	44.35	54.0	9.65	AV	35.00	100	Horizontal	Pass
6	16144.074	55.89	74.0	18.11	Peak	43.00	300	Horizontal	Pass
6**	16144.074	42.12	54.0	11.88	AV	43.00	300	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	1568.381	33.93	74.0	40.07	Peak	32.00	100	Vertical	Pass
1**	1568.381	29.64	54.0	24.36	AV	32.00	100	Vertical	Pass
2	2349.995	44.82	74.0	29.18	Peak	201.00	300	Vertical	Pass
2**	2349.995	36.33	54.0	17.67	AV	201.00	300	Vertical	Pass
3	3914.405	44.25	74.0	29.75	Peak	86.00	200	Vertical	Pass
3**	3914.405	35.51	54.0	18.49	AV	86.00	200	Vertical	Pass
4	7680.953	51.60	74.0	22.40	Peak	77.00	400	Vertical	Pass
4**	7680.953	44.63	54.0	9.37	AV	77.00	400	Vertical	Pass
5	12529.801	53.19	74.0	20.81	Peak	215.00	200	Vertical	Pass
5**	12529.801	40.08	54.0	13.92	AV	215.00	200	Vertical	Pass
6	15379.762	52.26	74.0	21.74	Peak	137.00	300	Vertical	Pass
6**	15379.762	43.55	54.0	10.45	AV	137.00	300	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	1511.632	37.38	74.0	36.62	Peak	246.00	300	Horizontal	Pass
1**	1511.632	26.86	54.0	27.14	AV	246.00	300	Horizontal	Pass
2	2345.242	43.90	74.0	30.10	Peak	212.00	400	Horizontal	Pass
2**	2345.242	37.95	54.0	16.05	AV	212.00	400	Horizontal	Pass
3	4202.789	50.39	74.0	23.61	Peak	69.00	200	Horizontal	Pass
3**	4202.789	35.17	54.0	18.83	AV	69.00	200	Horizontal	Pass
4	7432.191	54.27	74.0	19.73	Peak	138.00	300	Horizontal	Pass
4**	7432.191	42.76	54.0	11.24	AV	138.00	300	Horizontal	Pass
5	12520.542	53.79	74.0	20.21	Peak	10.00	300	Horizontal	Pass
5**	12520.542	47.44	54.0	6.56	AV	10.00	300	Horizontal	Pass
6	16144.357	54.56	74.0	19.44	Peak	104.00	100	Horizontal	Pass
6**	16144.357	42.22	54.0	11.78	AV	104.00	100	Horizontal	Pass

11ax40 (SU), U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1569.143	39.08	74.0	34.92	Peak	87.00	300	Vertical	Pass
1**	1569.143	28.57	54.0	25.43	AV	87.00	300	Vertical	Pass
2	2348.732	43.66	74.0	30.34	Peak	348.00	400	Vertical	Pass
2**	2348.732	30.68	54.0	23.32	AV	348.00	400	Vertical	Pass
3	3920.660	46.67	74.0	27.33	Peak	208.00	200	Vertical	Pass
3**	3920.660	39.03	54.0	14.97	AV	208.00	200	Vertical	Pass
4	7680.602	52.45	74.0	21.55	Peak	335.00	400	Vertical	Pass
4**	7680.602	43.62	54.0	10.38	AV	335.00	400	Vertical	Pass
5	12527.032	53.85	74.0	20.15	Peak	58.00	200	Vertical	Pass
5**	12527.032	45.27	54.0	8.73	AV	58.00	200	Vertical	Pass
6	15379.456	56.01	74.0	17.99	Peak	131.00	300	Vertical	Pass
6**	15379.456	46.31	54.0	7.69	AV	131.00	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	1513.280	39.11	74.0	34.89	Peak	231.00	200	Horizontal	Pass
1**	1513.280	28.55	54.0	25.45	AV	231.00	200	Horizontal	Pass
2	2349.440	45.58	74.0	28.42	Peak	326.00	300	Horizontal	Pass
2**	2349.440	36.35	54.0	17.65	AV	326.00	300	Horizontal	Pass
3	4202.338	49.70	74.0	24.30	Peak	146.00	200	Horizontal	Pass
3**	4202.338	40.54	54.0	13.46	AV	146.00	200	Horizontal	Pass
4	7434.255	54.07	74.0	19.93	Peak	65.00	100	Horizontal	Pass
4**	7434.255	44.55	54.0	9.45	AV	65.00	100	Horizontal	Pass
5	12518.229	52.99	74.0	21.01	Peak	228.00	400	Horizontal	Pass
5**	12518.229	46.01	54.0	7.99	AV	228.00	400	Horizontal	Pass
6	16145.770	55.72	74.0	18.28	Peak	214.00	300	Horizontal	Pass
6**	16145.770	41.90	54.0	12.10	AV	214.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1571.615	34.60	74.0	39.40	Peak	174.00	400	Vertical	Pass
1**	1571.615	28.81	54.0	25.19	AV	174.00	400	Vertical	Pass
2	2343.725	44.65	74.0	29.35	Peak	263.00	100	Vertical	Pass
2**	2343.725	35.99	54.0	18.01	AV	263.00	100	Vertical	Pass
3	3914.973	46.67	74.0	27.33	Peak	60.00	200	Vertical	Pass
3**	3914.973	38.85	54.0	15.15	AV	60.00	200	Vertical	Pass
4	7683.139	55.01	74.0	18.99	Peak	135.00	300	Vertical	Pass
4**	7683.139	46.60	54.0	7.40	AV	135.00	300	Vertical	Pass
5	12528.421	57.21	74.0	16.79	Peak	111.00	200	Vertical	Pass
5**	12528.421	44.47	54.0	9.53	AV	111.00	200	Vertical	Pass
6	15384.460	53.75	74.0	20.25	Peak	88.00	200	Vertical	Pass
6**	15384.460	43.14	54.0	10.86	AV	88.00	200	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	1508.086	39.78	74.0	34.22	Peak	13.00	400	Horizontal	Pass
1**	1508.086	29.04	54.0	24.96	AV	13.00	400	Horizontal	Pass
2	2346.574	42.59	74.0	31.41	Peak	112.00	300	Horizontal	Pass
2**	2346.574	34.74	54.0	19.26	AV	112.00	300	Horizontal	Pass
3	4205.613	45.06	74.0	28.94	Peak	251.00	200	Horizontal	Pass
3**	4205.613	37.80	54.0	16.20	AV	251.00	200	Horizontal	Pass
4	7436.750	54.77	74.0	19.23	Peak	145.00	400	Horizontal	Pass
4**	7436.750	41.03	54.0	12.97	AV	145.00	400	Horizontal	Pass
5	12515.237	52.84	74.0	21.16	Peak	139.00	300	Horizontal	Pass
5**	12515.237	44.31	54.0	9.69	AV	139.00	300	Horizontal	Pass
6	16145.811	52.16	74.0	21.84	Peak	245.00	200	Horizontal	Pass
6**	16145.811	44.08	54.0	9.92	AV	245.00	200	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	1569.776	33.91	74.0	40.09	Peak	317.00	200	Vertical	Pass
1**	1569.776	26.47	54.0	27.53	AV	317.00	200	Vertical	Pass
2	2350.593	44.39	74.0	29.61	Peak	153.00	400	Vertical	Pass
2**	2350.593	32.31	54.0	21.69	AV	153.00	400	Vertical	Pass
3	3917.306	46.96	74.0	27.04	Peak	351.00	200	Vertical	Pass
3**	3917.306	37.62	54.0	16.38	AV	351.00	200	Vertical	Pass
4	7681.172	52.33	74.0	21.67	Peak	69.00	400	Vertical	Pass
4**	7681.172	45.80	54.0	8.20	AV	69.00	400	Vertical	Pass
5	12531.171	56.19	74.0	17.81	Peak	143.00	200	Vertical	Pass
5**	12531.171	44.27	54.0	9.73	AV	143.00	200	Vertical	Pass
6	15380.820	52.91	74.0	21.09	Peak	292.00	100	Vertical	Pass
6**	15380.820	43.59	54.0	10.41	AV	292.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1524.859	37.46	74.0	36.54	Peak	223.00	200	Horizontal	Pass
1**	1524.859	30.20	54.0	23.80	AV	223.00	200	Horizontal	Pass
2	4023.427	48.58	74.0	25.42	Peak	226.00	300	Horizontal	Pass
2**	4023.427	37.95	54.0	16.05	AV	226.00	300	Horizontal	Pass
3	7595.570	53.83	74.0	20.17	Peak	223.00	200	Horizontal	Pass
3**	7595.570	43.79	54.0	10.21	AV	223.00	200	Horizontal	Pass
4	12457.036	51.37	74.0	22.63	Peak	133.00	300	Horizontal	Pass
4**	12457.036	46.25	54.0	7.75	AV	133.00	300	Horizontal	Pass
5	16091.845	55.14	74.0	18.86	Peak	186.00	200	Horizontal	Pass
5**	16091.845	46.23	54.0	7.77	AV	186.00	200	Horizontal	Pass
6	17420.594	54.97	74.0	19.03	Peak	239.00	300	Horizontal	Pass
6**	17420.594	47.55	54.0	6.45	AV	239.00	300	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	1334.263	44.72	74.0	29.28	Peak	264.00	100	Vertical	Pass
1**	1334.263	36.04	54.0	17.96	AV	264.00	100	Vertical	Pass
2	1440.380	43.33	74.0	30.67	Peak	172.00	400	Vertical	Pass
2**	1440.380	39.53	54.0	14.47	AV	172.00	400	Vertical	Pass
3	4314.229	44.76	74.0	29.24	Peak	92.00	200	Vertical	Pass
3**	4314.229	37.92	54.0	16.08	AV	92.00	200	Vertical	Pass
4	7592.838	55.08	74.0	18.92	Peak	259.00	100	Vertical	Pass
4**	7592.838	40.91	54.0	13.09	AV	259.00	100	Vertical	Pass
5	12533.286	50.78	74.0	23.22	Peak	21.00	400	Vertical	Pass
5**	12533.286	41.69	54.0	12.31	AV	21.00	400	Vertical	Pass
6	15906.082	54.24	74.0	19.76	Peak	16.00	400	Vertical	Pass
6**	15906.082	45.26	54.0	8.74	AV	16.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1517.617	35.72	74.0	38.28	Peak	95.00	100	Horizontal	Pass
1**	1517.617	30.16	54.0	23.84	AV	95.00	100	Horizontal	Pass
2	4018.450	49.13	74.0	24.87	Peak	268.00	200	Horizontal	Pass
2**	4018.450	37.69	54.0	16.31	AV	268.00	200	Horizontal	Pass
3	7602.130	51.54	74.0	22.46	Peak	211.00	200	Horizontal	Pass
3**	7602.130	41.62	54.0	12.38	AV	211.00	200	Horizontal	Pass
4	12452.701	50.77	74.0	23.23	Peak	313.00	300	Horizontal	Pass
4**	12452.701	46.58	54.0	7.42	AV	313.00	300	Horizontal	Pass
5	16091.827	52.24	74.0	21.76	Peak	360.00	400	Horizontal	Pass
5**	16091.827	46.15	54.0	7.85	AV	360.00	400	Horizontal	Pass
6	17422.986	53.72	74.0	20.28	Peak	213.00	100	Horizontal	Pass
6**	17422.986	45.02	54.0	8.98	AV	213.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.505	41.88	74.0	32.12	Peak	41.00	300	Vertical	Pass
1**	1333.505	32.17	54.0	21.83	AV	41.00	300	Vertical	Pass
2	1442.471	43.46	74.0	30.54	Peak	55.00	400	Vertical	Pass
2**	1442.471	37.33	54.0	16.67	AV	55.00	400	Vertical	Pass
3	4311.467	44.91	74.0	29.09	Peak	337.00	200	Vertical	Pass
3**	4311.467	38.08	54.0	15.92	AV	337.00	200	Vertical	Pass
4	7590.743	54.78	74.0	19.22	Peak	256.00	100	Vertical	Pass
4**	7590.743	43.73	54.0	10.27	AV	256.00	100	Vertical	Pass
5	12536.539	54.09	74.0	19.91	Peak	140.00	200	Vertical	Pass
5**	12536.539	45.53	54.0	8.47	AV	140.00	200	Vertical	Pass
6	15907.558	54.84	74.0	19.16	Peak	135.00	400	Vertical	Pass
6**	15907.558	45.36	54.0	8.64	AV	135.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1517.186	39.75	74.0	34.25	Peak	47.00	400	Horizontal	Pass
1**	1517.186	30.90	54.0	23.10	AV	47.00	400	Horizontal	Pass
2	4017.182	45.72	74.0	28.28	Peak	355.00	200	Horizontal	Pass
2**	4017.182	34.61	54.0	19.39	AV	355.00	200	Horizontal	Pass
3	7601.800	51.32	74.0	22.68	Peak	334.00	200	Horizontal	Pass
3**	7601.800	45.96	54.0	8.04	AV	334.00	200	Horizontal	Pass
4	12456.398	51.81	74.0	22.19	Peak	159.00	300	Horizontal	Pass
4**	12456.398	45.48	54.0	8.52	AV	159.00	300	Horizontal	Pass
5	16091.473	55.14	74.0	18.86	Peak	156.00	300	Horizontal	Pass
5**	16091.473	45.10	54.0	8.90	AV	156.00	300	Horizontal	Pass
6	17418.807	58.36	74.0	15.64	Peak	191.00	200	Horizontal	Pass
6**	17418.807	47.41	54.0	6.59	AV	191.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.089	41.60	74.0	32.40	Peak	43.00	200	Vertical	Pass
1**	1332.089	32.52	54.0	21.48	AV	43.00	200	Vertical	Pass
2	1444.295	41.40	74.0	32.60	Peak	42.00	200	Vertical	Pass
2**	1444.295	37.21	54.0	16.79	AV	42.00	200	Vertical	Pass
3	4310.294	46.22	74.0	27.78	Peak	188.00	200	Vertical	Pass
3**	4310.294	37.25	54.0	16.75	AV	188.00	200	Vertical	Pass
4	7592.028	53.15	74.0	20.85	Peak	353.00	200	Vertical	Pass
4**	7592.028	45.14	54.0	8.86	AV	353.00	200	Vertical	Pass
5	12534.666	54.83	74.0	19.17	Peak	94.00	200	Vertical	Pass
5**	12534.666	43.20	54.0	10.80	AV	94.00	200	Vertical	Pass
6	15903.372	55.26	74.0	18.74	Peak	339.00	100	Vertical	Pass
6**	15903.372	43.76	54.0	10.24	AV	339.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1518.669	37.51	74.0	36.49	Peak	310.00	300	Horizontal	Pass
1**	1518.669	31.97	54.0	22.03	AV	310.00	300	Horizontal	Pass
2	4017.977	49.89	74.0	24.11	Peak	172.00	100	Horizontal	Pass
2**	4017.977	34.92	54.0	19.08	AV	172.00	100	Horizontal	Pass
3	7597.298	56.18	74.0	17.82	Peak	299.00	200	Horizontal	Pass
3**	7597.298	45.11	54.0	8.89	AV	299.00	200	Horizontal	Pass
4	12456.708	51.25	74.0	22.75	Peak	126.00	400	Horizontal	Pass
4**	12456.708	42.69	54.0	11.31	AV	126.00	400	Horizontal	Pass
5	16097.798	52.93	74.0	21.07	Peak	243.00	100	Horizontal	Pass
5**	16097.798	42.83	54.0	11.17	AV	243.00	100	Horizontal	Pass
6	17422.106	57.43	74.0	16.57	Peak	141.00	100	Horizontal	Pass
6**	17422.106	44.71	54.0	9.29	AV	141.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.574	42.90	74.0	31.10	Peak	316.00	400	Vertical	Pass
1**	1333.574	36.00	54.0	18.00	AV	316.00	400	Vertical	Pass
2	1440.419	40.11	74.0	33.89	Peak	332.00	100	Vertical	Pass
2**	1440.419	38.84	54.0	15.16	AV	332.00	100	Vertical	Pass
3	4310.220	48.87	74.0	25.13	Peak	209.00	200	Vertical	Pass
3**	4310.220	39.67	54.0	14.33	AV	209.00	200	Vertical	Pass
4	7593.735	51.06	74.0	22.94	Peak	312.00	400	Vertical	Pass
4**	7593.735	42.06	54.0	11.94	AV	312.00	400	Vertical	Pass
5	12537.365	55.85	74.0	18.15	Peak	335.00	400	Vertical	Pass
5**	12537.365	41.62	54.0	12.38	AV	335.00	400	Vertical	Pass
6	15907.121	52.49	74.0	21.51	Peak	121.00	300	Vertical	Pass
6**	15907.121	43.14	54.0	10.86	AV	121.00	300	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	1522.088	40.51	74.0	33.49	Peak	309.00	200	Horizontal	Pass
1**	1522.088	32.62	54.0	21.38	AV	309.00	200	Horizontal	Pass
2	4023.598	49.75	74.0	24.25	Peak	279.00	200	Horizontal	Pass
2**	4023.598	37.92	54.0	16.08	AV	279.00	200	Horizontal	Pass
3	7601.472	50.57	74.0	23.43	Peak	106.00	200	Horizontal	Pass
3**	7601.472	46.43	54.0	7.57	AV	106.00	200	Horizontal	Pass
4	12457.086	52.45	74.0	21.55	Peak	246.00	400	Horizontal	Pass
4**	12457.086	46.31	54.0	7.69	AV	246.00	400	Horizontal	Pass
5	16098.607	53.86	74.0	20.14	Peak	76.00	300	Horizontal	Pass
5**	16098.607	42.38	54.0	11.62	AV	76.00	300	Horizontal	Pass
6	17420.292	54.81	74.0	19.19	Peak	50.00	100	Horizontal	Pass
6**	17420.292	45.22	54.0	8.78	AV	50.00	100	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	1331.512	45.01	74.0	28.99	Peak	28.00	100	Vertical	Pass
1**	1331.512	32.59	54.0	21.41	AV	28.00	100	Vertical	Pass
2	1437.908	44.93	74.0	29.07	Peak	220.00	400	Vertical	Pass
2**	1437.908	38.19	54.0	15.81	AV	220.00	400	Vertical	Pass
3	4309.026	47.97	74.0	26.03	Peak	133.00	200	Vertical	Pass
3**	4309.026	38.13	54.0	15.87	AV	133.00	200	Vertical	Pass
4	7595.361	52.89	74.0	21.11	Peak	16.00	300	Vertical	Pass
4**	7595.361	46.18	54.0	7.82	AV	16.00	300	Vertical	Pass
5	12532.956	54.43	74.0	19.57	Peak	207.00	300	Vertical	Pass
5**	12532.956	41.37	54.0	12.63	AV	207.00	300	Vertical	Pass
6	15903.442	56.41	74.0	17.59	Peak	131.00	300	Vertical	Pass
6**	15903.442	44.03	54.0	9.97	AV	131.00	300	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	1523.116	37.77	74.0	36.23	Peak	106.00	100	Horizontal	Pass
1**	1523.116	31.86	54.0	22.14	AV	106.00	100	Horizontal	Pass
2	4022.432	48.80	74.0	25.20	Peak	17.00	300	Horizontal	Pass
2**	4022.432	34.24	54.0	19.76	AV	17.00	300	Horizontal	Pass
3	7599.991	55.63	74.0	18.37	Peak	77.00	200	Horizontal	Pass
3**	7599.991	43.63	54.0	10.37	AV	77.00	200	Horizontal	Pass
4	12452.785	53.74	74.0	20.26	Peak	109.00	100	Horizontal	Pass
4**	12452.785	42.06	54.0	11.94	AV	109.00	100	Horizontal	Pass
5	16091.698	51.52	74.0	22.48	Peak	112.00	300	Horizontal	Pass
5**	16091.698	45.35	54.0	8.65	AV	112.00	300	Horizontal	Pass
6	17417.431	58.57	74.0	15.43	Peak	205.00	400	Horizontal	Pass
6**	17417.431	49.96	54.0	4.04	AV	205.00	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	1331.839	42.13	74.0	31.87	Peak	48.00	200	Vertical	Pass
1**	1331.839	32.14	54.0	21.86	AV	48.00	200	Vertical	Pass
2	1443.740	44.52	74.0	29.48	Peak	251.00	100	Vertical	Pass
2**	1443.740	37.55	54.0	16.45	AV	251.00	100	Vertical	Pass
3	4309.582	50.34	74.0	23.66	Peak	186.00	200	Vertical	Pass
3**	4309.582	39.01	54.0	14.99	AV	186.00	200	Vertical	Pass
4	7593.458	50.30	74.0	23.70	Peak	172.00	300	Vertical	Pass
4**	7593.458	46.18	54.0	7.82	AV	172.00	300	Vertical	Pass
5	12538.811	53.61	74.0	20.39	Peak	320.00	100	Vertical	Pass
5**	12538.811	44.87	54.0	9.13	AV	320.00	100	Vertical	Pass
6	15904.326	52.48	74.0	21.52	Peak	319.00	200	Vertical	Pass
6**	15904.326	45.25	54.0	8.75	AV	319.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1518.845	35.87	74.0	38.13	Peak	165.00	100	Horizontal	Pass
1**	1518.845	28.73	54.0	25.27	AV	165.00	100	Horizontal	Pass
2	4021.160	49.64	74.0	24.36	Peak	199.00	200	Horizontal	Pass
2**	4021.160	37.29	54.0	16.71	AV	199.00	200	Horizontal	Pass
3	7599.428	53.00	74.0	21.00	Peak	115.00	200	Horizontal	Pass
3**	7599.428	43.15	54.0	10.85	AV	115.00	200	Horizontal	Pass
4	12459.133	51.15	74.0	22.85	Peak	302.00	300	Horizontal	Pass
4**	12459.133	42.47	54.0	11.53	AV	302.00	300	Horizontal	Pass
5	16095.193	55.43	74.0	18.57	Peak	97.00	300	Horizontal	Pass
5**	16095.193	43.20	54.0	10.80	AV	97.00	300	Horizontal	Pass
6	17422.758	57.12	74.0	16.88	Peak	234.00	100	Horizontal	Pass
6**	17422.758	50.08	54.0	3.92	AV	234.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.765	42.54	74.0	31.46	Peak	294.00	400	Vertical	Pass
1**	1333.765	32.23	54.0	21.77	AV	294.00	400	Vertical	Pass
2	1442.359	41.45	74.0	32.55	Peak	60.00	200	Vertical	Pass
2**	1442.359	34.62	54.0	19.38	AV	60.00	200	Vertical	Pass
3	4313.269	45.81	74.0	28.19	Peak	155.00	200	Vertical	Pass
3**	4313.269	36.10	54.0	17.90	AV	155.00	200	Vertical	Pass
4	7592.845	52.28	74.0	21.72	Peak	82.00	200	Vertical	Pass
4**	7592.845	42.16	54.0	11.84	AV	82.00	200	Vertical	Pass
5	12535.454	55.43	74.0	18.57	Peak	182.00	200	Vertical	Pass
5**	12535.454	42.18	54.0	11.82	AV	182.00	200	Vertical	Pass
6	15904.828	54.13	74.0	19.87	Peak	189.00	100	Vertical	Pass
6**	15904.828	43.56	54.0	10.44	AV	189.00	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	1517.335	39.78	74.0	34.22	Peak	156.00	300	Horizontal	Pass
1**	1517.335	32.31	54.0	21.69	AV	156.00	300	Horizontal	Pass
2	4016.299	45.34	74.0	28.66	Peak	354.00	200	Horizontal	Pass
2**	4016.299	38.29	54.0	15.71	AV	354.00	200	Horizontal	Pass
3	7595.942	52.72	74.0	21.28	Peak	144.00	200	Horizontal	Pass
3**	7595.942	42.67	54.0	11.33	AV	144.00	200	Horizontal	Pass
4	12457.611	50.90	74.0	23.10	Peak	71.00	100	Horizontal	Pass
4**	12457.611	43.56	54.0	10.44	AV	71.00	100	Horizontal	Pass
5	16093.605	51.16	74.0	22.84	Peak	241.00	300	Horizontal	Pass
5**	16093.605	42.15	54.0	11.85	AV	241.00	300	Horizontal	Pass
6	17421.365	56.52	74.0	17.48	Peak	53.00	100	Horizontal	Pass
6**	17421.365	44.45	54.0	9.55	AV	53.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.926	45.73	74.0	28.27	Peak	21.00	100	Vertical	Pass
1**	1332.926	34.19	54.0	19.81	AV	21.00	100	Vertical	Pass
2	1438.650	40.58	74.0	33.42	Peak	345.00	100	Vertical	Pass
2**	1438.650	39.98	54.0	14.02	AV	345.00	100	Vertical	Pass
3	4313.473	46.51	74.0	27.49	Peak	39.00	200	Vertical	Pass
3**	4313.473	40.26	54.0	13.74	AV	39.00	200	Vertical	Pass
4	7594.745	53.31	74.0	20.69	Peak	84.00	200	Vertical	Pass
4**	7594.745	46.03	54.0	7.97	AV	84.00	200	Vertical	Pass
5	12536.986	56.44	74.0	17.56	Peak	190.00	400	Vertical	Pass
5**	12536.986	43.70	54.0	10.30	AV	190.00	400	Vertical	Pass
6	15904.467	53.99	74.0	20.01	Peak	328.00	300	Vertical	Pass
6**	15904.467	45.38	54.0	8.62	AV	328.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1525.034	37.93	74.0	36.07	Peak	222.00	200	Horizontal	Pass
1**	1525.034	26.78	54.0	27.22	AV	222.00	200	Horizontal	Pass
2	4023.045	46.57	74.0	27.43	Peak	287.00	400	Horizontal	Pass
2**	4023.045	34.05	54.0	19.95	AV	287.00	400	Horizontal	Pass
3	7596.495	53.33	74.0	20.67	Peak	356.00	200	Horizontal	Pass
3**	7596.495	42.36	54.0	11.64	AV	356.00	200	Horizontal	Pass
4	12454.160	54.12	74.0	19.88	Peak	135.00	200	Horizontal	Pass
4**	12454.160	43.24	54.0	10.76	AV	135.00	200	Horizontal	Pass
5	16092.852	53.19	74.0	20.81	Peak	232.00	100	Horizontal	Pass
5**	16092.852	42.01	54.0	11.99	AV	232.00	100	Horizontal	Pass
6	17420.764	53.43	74.0	20.57	Peak	208.00	400	Horizontal	Pass
6**	17420.764	47.51	54.0	6.49	AV	208.00	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	1336.825	43.62	74.0	30.38	Peak	131.00	200	Vertical	Pass
1**	1336.825	32.05	54.0	21.95	AV	131.00	200	Vertical	Pass
2	1443.517	42.03	74.0	31.97	Peak	136.00	200	Vertical	Pass
2**	1443.517	36.31	54.0	17.69	AV	136.00	200	Vertical	Pass
3	4310.274	45.82	74.0	28.18	Peak	72.00	200	Vertical	Pass
3**	4310.274	41.44	54.0	12.56	AV	72.00	200	Vertical	Pass
4	7596.774	51.21	74.0	22.79	Peak	47.00	300	Vertical	Pass
4**	7596.774	42.23	54.0	11.77	AV	47.00	300	Vertical	Pass
5	12538.056	52.52	74.0	21.48	Peak	36.00	400	Vertical	Pass
5**	12538.056	44.78	54.0	9.22	AV	36.00	400	Vertical	Pass
6	15906.179	55.27	74.0	18.73	Peak	147.00	200	Vertical	Pass
6**	15906.179	43.62	54.0	10.38	AV	147.00	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	1522.834	39.16	74.0	34.84	Peak	219.00	100	Horizontal	Pass
1**	1522.834	29.49	54.0	24.51	AV	219.00	100	Horizontal	Pass
2	4017.885	46.78	74.0	27.22	Peak	348.00	300	Horizontal	Pass
2**	4017.885	35.55	54.0	18.45	AV	348.00	300	Horizontal	Pass
3	7595.428	53.16	74.0	20.84	Peak	17.00	200	Horizontal	Pass
3**	7595.428	44.50	54.0	9.50	AV	17.00	200	Horizontal	Pass
4	12453.673	54.89	74.0	19.11	Peak	197.00	300	Horizontal	Pass
4**	12453.673	46.06	54.0	7.94	AV	197.00	300	Horizontal	Pass
5	16093.229	51.69	74.0	22.31	Peak	131.00	200	Horizontal	Pass
5**	16093.229	44.71	54.0	9.29	AV	131.00	200	Horizontal	Pass
6	17416.523	53.27	74.0	20.73	Peak	6.00	300	Horizontal	Pass
6**	17416.523	47.75	54.0	6.25	AV	6.00	300	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	1334.401	45.30	74.0	28.70	Peak	264.00	300	Vertical	Pass
1**	1334.401	36.32	54.0	17.68	AV	264.00	300	Vertical	Pass
2	1439.215	42.71	74.0	31.29	Peak	345.00	400	Vertical	Pass
2**	1439.215	39.09	54.0	14.91	AV	345.00	400	Vertical	Pass
3	4312.625	48.91	74.0	25.09	Peak	241.00	200	Vertical	Pass
3**	4312.625	39.11	54.0	14.89	AV	241.00	200	Vertical	Pass
4	7598.173	51.39	74.0	22.61	Peak	104.00	300	Vertical	Pass
4**	7598.173	43.30	54.0	10.70	AV	104.00	300	Vertical	Pass
5	12532.659	56.20	74.0	17.80	Peak	218.00	200	Vertical	Pass
5**	12532.659	46.44	54.0	7.56	AV	218.00	200	Vertical	Pass
6	15905.321	52.53	74.0	21.47	Peak	167.00	100	Vertical	Pass
6**	15905.321	42.64	54.0	11.36	AV	167.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1525.024	40.29	74.0	33.71	Peak	24.00	100	Horizontal	Pass
1**	1525.024	28.70	54.0	25.30	AV	24.00	100	Horizontal	Pass
2	4019.417	48.19	74.0	25.81	Peak	94.00	400	Horizontal	Pass
2**	4019.417	34.77	54.0	19.23	AV	94.00	400	Horizontal	Pass
3	7597.401	54.64	74.0	19.36	Peak	225.00	200	Horizontal	Pass
3**	7597.401	41.61	54.0	12.39	AV	225.00	200	Horizontal	Pass
4	12456.351	51.75	74.0	22.25	Peak	125.00	400	Horizontal	Pass
4**	12456.351	41.60	54.0	12.40	AV	125.00	400	Horizontal	Pass
5	16091.414	53.37	74.0	20.63	Peak	300.00	400	Horizontal	Pass
5**	16091.414	44.77	54.0	9.23	AV	300.00	400	Horizontal	Pass
6	17415.927	56.88	74.0	17.12	Peak	139.00	300	Horizontal	Pass
6**	17415.927	45.60	54.0	8.40	AV	139.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.580	42.90	74.0	31.10	Peak	67.00	200	Vertical	Pass
1**	1329.580	35.04	54.0	18.96	AV	67.00	200	Vertical	Pass
2	1436.677	42.60	74.0	31.40	Peak	20.00	400	Vertical	Pass
2**	1436.677	36.95	54.0	17.05	AV	20.00	400	Vertical	Pass
3	4310.314	49.91	74.0	24.09	Peak	334.00	200	Vertical	Pass
3**	4310.314	36.98	54.0	17.02	AV	334.00	200	Vertical	Pass
4	7594.699	50.12	74.0	23.88	Peak	241.00	300	Vertical	Pass
4**	7594.699	41.20	54.0	12.80	AV	241.00	300	Vertical	Pass
5	12537.666	54.78	74.0	19.22	Peak	251.00	200	Vertical	Pass
5**	12537.666	43.80	54.0	10.20	AV	251.00	200	Vertical	Pass
6	15909.301	55.56	74.0	18.44	Peak	61.00	200	Vertical	Pass
6**	15909.301	43.25	54.0	10.75	AV	61.00	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	1520.655	37.62	74.0	36.38	Peak	193.00	400	Horizontal	Pass
1**	1520.655	27.02	54.0	26.98	AV	193.00	400	Horizontal	Pass
2	4019.237	49.53	74.0	24.47	Peak	123.00	200	Horizontal	Pass
2**	4019.237	36.19	54.0	17.81	AV	123.00	200	Horizontal	Pass
3	7600.045	51.51	74.0	22.49	Peak	233.00	200	Horizontal	Pass
3**	7600.045	44.92	54.0	9.08	AV	233.00	200	Horizontal	Pass
4	12457.487	51.93	74.0	22.07	Peak	165.00	300	Horizontal	Pass
4**	12457.487	42.04	54.0	11.96	AV	165.00	300	Horizontal	Pass
5	16093.436	50.86	74.0	23.14	Peak	127.00	200	Horizontal	Pass
5**	16093.436	45.83	54.0	8.17	AV	127.00	200	Horizontal	Pass
6	17416.078	54.11	74.0	19.89	Peak	260.00	300	Horizontal	Pass
6**	17416.078	48.46	54.0	5.54	AV	260.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.616	43.67	74.0	30.33	Peak	21.00	400	Vertical	Pass
1**	1330.616	34.29	54.0	19.71	AV	21.00	400	Vertical	Pass
2	1440.777	41.25	74.0	32.75	Peak	87.00	400	Vertical	Pass
2**	1440.777	37.16	54.0	16.84	AV	87.00	400	Vertical	Pass
3	4314.630	45.78	74.0	28.22	Peak	202.00	200	Vertical	Pass
3**	4314.630	38.25	54.0	15.75	AV	202.00	200	Vertical	Pass
4	7592.368	50.19	74.0	23.81	Peak	357.00	300	Vertical	Pass
4**	7592.368	42.09	54.0	11.91	AV	357.00	300	Vertical	Pass
5	12534.869	56.06	74.0	17.94	Peak	68.00	100	Vertical	Pass
5**	12534.869	43.61	54.0	10.39	AV	68.00	100	Vertical	Pass
6	15907.215	55.43	74.0	18.57	Peak	183.00	100	Vertical	Pass
6**	15907.215	44.41	54.0	9.59	AV	183.00	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	1517.629	39.58	74.0	34.42	Peak	289.00	100	Horizontal	Pass
1**	1517.629	26.89	54.0	27.11	AV	289.00	100	Horizontal	Pass
2	4018.492	47.41	74.0	26.59	Peak	131.00	400	Horizontal	Pass
2**	4018.492	37.23	54.0	16.77	AV	131.00	400	Horizontal	Pass
3	7596.893	53.12	74.0	20.88	Peak	20.00	200	Horizontal	Pass
3**	7596.893	43.20	54.0	10.80	AV	20.00	200	Horizontal	Pass
4	12454.567	54.95	74.0	19.05	Peak	196.00	200	Horizontal	Pass
4**	12454.567	47.03	54.0	6.97	AV	196.00	200	Horizontal	Pass
5	16098.145	52.97	74.0	21.03	Peak	86.00	400	Horizontal	Pass
5**	16098.145	45.28	54.0	8.72	AV	86.00	400	Horizontal	Pass
6	17421.127	55.78	74.0	18.22	Peak	268.00	300	Horizontal	Pass
6**	17421.127	45.23	54.0	8.77	AV	268.00	300	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	1332.610	46.08	74.0	27.92	Peak	261.00	300	Vertical	Pass
1**	1332.610	33.66	54.0	20.34	AV	261.00	300	Vertical	Pass
2	1439.589	40.39	74.0	33.61	Peak	341.00	300	Vertical	Pass
2**	1439.589	39.94	54.0	14.06	AV	341.00	300	Vertical	Pass
3	4311.901	47.41	74.0	26.59	Peak	144.00	200	Vertical	Pass
3**	4311.901	36.25	54.0	17.75	AV	144.00	200	Vertical	Pass
4	7593.531	53.94	74.0	20.06	Peak	283.00	400	Vertical	Pass
4**	7593.531	45.93	54.0	8.07	AV	283.00	400	Vertical	Pass
5	12537.086	55.68	74.0	18.32	Peak	318.00	300	Vertical	Pass
5**	12537.086	41.39	54.0	12.61	AV	318.00	300	Vertical	Pass
6	15903.404	52.59	74.0	21.41	Peak	115.00	300	Vertical	Pass
6**	15903.404	46.01	54.0	7.99	AV	115.00	300	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	1520.417	40.90	74.0	33.10	Peak	257.00	400	Horizontal	Pass
1**	1520.417	31.25	54.0	22.75	AV	257.00	400	Horizontal	Pass
2	4019.756	48.96	74.0	25.04	Peak	155.00	300	Horizontal	Pass
2**	4019.756	34.39	54.0	19.61	AV	155.00	300	Horizontal	Pass
3	7599.708	50.35	74.0	23.65	Peak	276.00	200	Horizontal	Pass
3**	7599.708	45.09	54.0	8.91	AV	276.00	200	Horizontal	Pass
4	12456.215	51.29	74.0	22.71	Peak	146.00	400	Horizontal	Pass
4**	12456.215	45.33	54.0	8.67	AV	146.00	400	Horizontal	Pass
5	16094.185	50.88	74.0	23.12	Peak	352.00	200	Horizontal	Pass
5**	16094.185	43.84	54.0	10.16	AV	352.00	200	Horizontal	Pass
6	17420.720	58.95	74.0	15.05	Peak	15.00	300	Horizontal	Pass
6**	17420.720	47.79	54.0	6.21	AV	15.00	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	1329.405	42.27	74.0	31.73	Peak	266.00	400	Vertical	Pass
1**	1329.405	35.61	54.0	18.39	AV	266.00	400	Vertical	Pass
2	1441.986	41.87	74.0	32.13	Peak	187.00	100	Vertical	Pass
2**	1441.986	35.44	54.0	18.56	AV	187.00	100	Vertical	Pass
3	4315.070	49.35	74.0	24.65	Peak	181.00	200	Vertical	Pass
3**	4315.070	38.05	54.0	15.95	AV	181.00	200	Vertical	Pass
4	7590.618	50.23	74.0	23.77	Peak	99.00	400	Vertical	Pass
4**	7590.618	44.74	54.0	9.26	AV	99.00	400	Vertical	Pass
5	12532.604	53.21	74.0	20.79	Peak	268.00	200	Vertical	Pass
5**	12532.604	45.06	54.0	8.94	AV	268.00	200	Vertical	Pass
6	15903.163	54.41	74.0	19.59	Peak	287.00	100	Vertical	Pass
6**	15903.163	47.05	54.0	6.95	AV	287.00	100	Vertical	Pass

11ax20 (SU), U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1519.622	38.70	74.0	35.30	Peak	323.00	200	Horizontal	Pass
1**	1519.622	26.77	54.0	27.23	AV	323.00	200	Horizontal	Pass
2	4022.249	49.09	74.0	24.91	Peak	170.00	300	Horizontal	Pass
2**	4022.249	34.67	54.0	19.33	AV	170.00	300	Horizontal	Pass
3	7594.502	54.71	74.0	19.29	Peak	357.00	200	Horizontal	Pass
3**	7594.502	41.92	54.0	12.08	AV	357.00	200	Horizontal	Pass
4	12456.378	53.52	74.0	20.48	Peak	204.00	400	Horizontal	Pass
4**	12456.378	44.00	54.0	10.00	AV	204.00	400	Horizontal	Pass
5	16095.413	54.82	74.0	19.18	Peak	213.00	200	Horizontal	Pass
5**	16095.413	41.91	54.0	12.09	AV	213.00	200	Horizontal	Pass
6	17415.969	56.92	74.0	17.08	Peak	207.00	400	Horizontal	Pass
6**	17415.969	45.15	54.0	8.85	AV	207.00	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	1332.223	44.31	74.0	29.69	Peak	109.00	400	Vertical	Pass
1**	1332.223	34.66	54.0	19.34	AV	109.00	400	Vertical	Pass
2	1436.744	43.74	74.0	30.26	Peak	249.00	400	Vertical	Pass
2**	1436.744	34.03	54.0	19.97	AV	249.00	400	Vertical	Pass
3	4314.714	45.63	74.0	28.37	Peak	205.00	200	Vertical	Pass
3**	4314.714	38.79	54.0	15.21	AV	205.00	200	Vertical	Pass
4	7591.245	54.98	74.0	19.02	Peak	226.00	100	Vertical	Pass
4**	7591.245	43.13	54.0	10.87	AV	226.00	100	Vertical	Pass
5	12535.760	52.36	74.0	21.64	Peak	342.00	200	Vertical	Pass
5**	12535.760	42.73	54.0	11.27	AV	342.00	200	Vertical	Pass
6	15910.243	55.50	74.0	18.50	Peak	195.00	300	Vertical	Pass
6**	15910.243	43.50	54.0	10.50	AV	195.00	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	1522.802	40.60	74.0	33.40	Peak	287.00	300	Horizontal	Pass
1**	1522.802	28.62	54.0	25.38	AV	287.00	300	Horizontal	Pass
2	4016.526	45.91	74.0	28.09	Peak	186.00	400	Horizontal	Pass
2**	4016.526	38.98	54.0	15.02	AV	186.00	400	Horizontal	Pass
3	7600.977	50.37	74.0	23.63	Peak	220.00	200	Horizontal	Pass
3**	7600.977	46.37	54.0	7.63	AV	220.00	200	Horizontal	Pass
4	12452.362	52.98	74.0	21.02	Peak	297.00	400	Horizontal	Pass
4**	12452.362	42.12	54.0	11.88	AV	297.00	400	Horizontal	Pass
5	16094.271	51.55	74.0	22.45	Peak	188.00	300	Horizontal	Pass
5**	16094.271	42.65	54.0	11.35	AV	188.00	300	Horizontal	Pass
6	17417.730	55.69	74.0	18.31	Peak	125.00	400	Horizontal	Pass
6**	17417.730	46.99	54.0	7.01	AV	125.00	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	1337.104	45.82	74.0	28.18	Peak	127.00	400	Vertical	Pass
1**	1337.104	30.88	54.0	23.12	AV	127.00	400	Vertical	Pass
2	1438.493	42.74	74.0	31.26	Peak	167.00	200	Vertical	Pass
2**	1438.493	36.09	54.0	17.91	AV	167.00	200	Vertical	Pass
3	4312.193	49.64	74.0	24.36	Peak	129.00	200	Vertical	Pass
3**	4312.193	39.95	54.0	14.05	AV	129.00	200	Vertical	Pass
4	7595.368	52.96	74.0	21.04	Peak	94.00	300	Vertical	Pass
4**	7595.368	42.46	54.0	11.54	AV	94.00	300	Vertical	Pass
5	12532.896	51.93	74.0	22.07	Peak	91.00	100	Vertical	Pass
5**	12532.896	45.27	54.0	8.73	AV	91.00	100	Vertical	Pass
6	15907.671	57.31	74.0	16.69	Peak	295.00	300	Vertical	Pass
6**	15907.671	44.30	54.0	9.70	AV	295.00	300	Vertical	Pass

11ax20 (SU), U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1521.838	41.16	74.0	32.84	Peak	308.00	400	Horizontal	Pass
1**	1521.838	28.51	54.0	25.49	AV	308.00	400	Horizontal	Pass
2	4016.557	45.04	74.0	28.96	Peak	169.00	300	Horizontal	Pass
2**	4016.557	36.63	54.0	17.37	AV	169.00	300	Horizontal	Pass
3	7597.772	53.81	74.0	20.19	Peak	96.00	200	Horizontal	Pass
3**	7597.772	45.25	54.0	8.75	AV	96.00	200	Horizontal	Pass
4	12453.149	52.06	74.0	21.94	Peak	130.00	300	Horizontal	Pass
4**	12453.149	47.04	54.0	6.96	AV	130.00	300	Horizontal	Pass
5	16091.861	55.08	74.0	18.92	Peak	193.00	300	Horizontal	Pass
5**	16091.861	44.06	54.0	9.94	AV	193.00	300	Horizontal	Pass
6	17417.877	53.16	74.0	20.84	Peak	152.00	200	Horizontal	Pass
6**	17417.877	49.87	54.0	4.13	AV	152.00	200	Horizontal	Pass

11ax20 (SU), U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1335.933	46.77	74.0	27.23	Peak	282.00	100	Vertical	Pass
1**	1335.933	36.63	54.0	17.37	AV	282.00	100	Vertical	Pass
2	1438.171	40.70	74.0	33.30	Peak	165.00	300	Vertical	Pass
2**	1438.171	37.59	54.0	16.41	AV	165.00	300	Vertical	Pass
3	4307.276	47.96	74.0	26.04	Peak	0.00	200	Vertical	Pass
3**	4307.276	40.51	54.0	13.49	AV	0.00	200	Vertical	Pass
4	7596.579	51.84	74.0	22.16	Peak	229.00	400	Vertical	Pass
4**	7596.579	40.80	54.0	13.20	AV	229.00	400	Vertical	Pass
5	12532.135	54.13	74.0	19.87	Peak	160.00	400	Vertical	Pass
5**	12532.135	40.71	54.0	13.29	AV	160.00	400	Vertical	Pass
6	15908.978	54.47	74.0	19.53	Peak	347.00	300	Vertical	Pass
6**	15908.978	43.56	54.0	10.44	AV	347.00	300	Vertical	Pass

11ax40 (SU), U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1517.329	39.27	74.0	34.73	Peak	228.00	300	Horizontal	Pass
1**	1517.329	30.90	54.0	23.10	AV	228.00	300	Horizontal	Pass
2	4019.323	48.35	74.0	25.65	Peak	147.00	400	Horizontal	Pass
2**	4019.323	35.39	54.0	18.61	AV	147.00	400	Horizontal	Pass
3	7600.201	51.67	74.0	22.33	Peak	264.00	200	Horizontal	Pass
3**	7600.201	45.64	54.0	8.36	AV	264.00	200	Horizontal	Pass
4	12452.933	54.73	74.0	19.27	Peak	245.00	100	Horizontal	Pass
4**	12452.933	43.35	54.0	10.65	AV	245.00	100	Horizontal	Pass
5	16098.702	51.50	74.0	22.50	Peak	170.00	400	Horizontal	Pass
5**	16098.702	43.31	54.0	10.69	AV	170.00	400	Horizontal	Pass
6	17422.538	57.69	74.0	16.31	Peak	38.00	100	Horizontal	Pass
6**	17422.538	47.30	54.0	6.70	AV	38.00	100	Horizontal	Pass

11ax40 (SU), U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.185	41.68	74.0	32.32	Peak	250.00	200	Vertical	Pass
1**	1331.185	32.47	54.0	21.53	AV	250.00	200	Vertical	Pass
2	1442.111	39.94	74.0	34.06	Peak	190.00	300	Vertical	Pass
2**	1442.111	38.59	54.0	15.41	AV	190.00	300	Vertical	Pass
3	4310.478	48.68	74.0	25.32	Peak	154.00	200	Vertical	Pass
3**	4310.478	37.64	54.0	16.36	AV	154.00	200	Vertical	Pass
4	7590.425	50.66	74.0	23.34	Peak	295.00	200	Vertical	Pass
4**	7590.425	42.07	54.0	11.93	AV	295.00	200	Vertical	Pass
5	12537.967	52.58	74.0	21.42	Peak	168.00	400	Vertical	Pass
5**	12537.967	43.51	54.0	10.49	AV	168.00	400	Vertical	Pass
6	15909.096	51.48	74.0	22.52	Peak	333.00	100	Vertical	Pass
6**	15909.096	44.49	54.0	9.51	AV	333.00	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	1518.824	37.72	74.0	36.28	Peak	83.00	300	Horizontal	Pass
1**	1518.824	29.81	54.0	24.19	AV	83.00	300	Horizontal	Pass
2	4023.458	50.19	74.0	23.81	Peak	151.00	200	Horizontal	Pass
2**	4023.458	34.97	54.0	19.03	AV	151.00	200	Horizontal	Pass
3	7601.819	50.49	74.0	23.51	Peak	153.00	200	Horizontal	Pass
3**	7601.819	40.66	54.0	13.34	AV	153.00	200	Horizontal	Pass
4	12454.930	53.20	74.0	20.80	Peak	342.00	100	Horizontal	Pass
4**	12454.930	44.27	54.0	9.73	AV	342.00	100	Horizontal	Pass
5	16095.448	54.28	74.0	19.72	Peak	247.00	300	Horizontal	Pass
5**	16095.448	47.49	54.0	6.51	AV	247.00	300	Horizontal	Pass
6	17420.872	56.95	74.0	17.05	Peak	171.00	400	Horizontal	Pass
6**	17420.872	48.32	54.0	5.68	AV	171.00	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	1330.173	45.61	74.0	28.39	Peak	338.00	300	Vertical	Pass
1**	1330.173	36.44	54.0	17.56	AV	338.00	300	Vertical	Pass
2	1442.782	40.85	74.0	33.15	Peak	55.00	300	Vertical	Pass
2**	1442.782	38.47	54.0	15.53	AV	55.00	300	Vertical	Pass
3	4311.566	46.52	74.0	27.48	Peak	195.00	200	Vertical	Pass
3**	4311.566	36.21	54.0	17.79	AV	195.00	200	Vertical	Pass
4	7597.523	53.58	74.0	20.42	Peak	297.00	300	Vertical	Pass
4**	7597.523	45.98	54.0	8.02	AV	297.00	300	Vertical	Pass
5	12531.185	56.21	74.0	17.79	Peak	202.00	300	Vertical	Pass
5**	12531.185	43.70	54.0	10.30	AV	202.00	300	Vertical	Pass
6	15906.163	52.55	74.0	21.45	Peak	100.00	100	Vertical	Pass
6**	15906.163	47.01	54.0	6.99	AV	100.00	100	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	1522.349	40.53	74.0	33.47	Peak	55.00	300	Horizontal	Pass
1**	1522.349	29.33	54.0	24.67	AV	55.00	300	Horizontal	Pass
2	4017.936	46.55	74.0	27.45	Peak	67.00	300	Horizontal	Pass
2**	4017.936	39.81	54.0	14.19	AV	67.00	300	Horizontal	Pass
3	7600.368	55.61	74.0	18.39	Peak	130.00	200	Horizontal	Pass
3**	7600.368	45.65	54.0	8.35	AV	130.00	200	Horizontal	Pass
4	12457.191	55.79	74.0	18.21	Peak	194.00	200	Horizontal	Pass
4**	12457.191	46.24	54.0	7.76	AV	194.00	200	Horizontal	Pass
5	16094.005	50.98	74.0	23.02	Peak	66.00	200	Horizontal	Pass
5**	16094.005	43.10	54.0	10.90	AV	66.00	200	Horizontal	Pass
6	17419.657	57.96	74.0	16.04	Peak	78.00	200	Horizontal	Pass
6**	17419.657	50.07	54.0	3.93	AV	78.00	200	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	1335.987	46.13	74.0	27.87	Peak	21.00	400	Vertical	Pass
1**	1335.987	35.68	54.0	18.32	AV	21.00	400	Vertical	Pass
2	1443.868	39.75	74.0	34.25	Peak	284.00	200	Vertical	Pass
2**	1443.868	38.53	54.0	15.47	AV	284.00	200	Vertical	Pass
3	4310.856	46.48	74.0	27.52	Peak	58.00	200	Vertical	Pass
3**	4310.856	39.86	54.0	14.14	AV	58.00	200	Vertical	Pass
4	7596.570	51.15	74.0	22.85	Peak	54.00	100	Vertical	Pass
4**	7596.570	44.88	54.0	9.12	AV	54.00	100	Vertical	Pass
5	12532.744	54.65	74.0	19.35	Peak	284.00	400	Vertical	Pass
5**	12532.744	41.66	54.0	12.34	AV	284.00	400	Vertical	Pass
6	15904.733	53.56	74.0	20.44	Peak	131.00	100	Vertical	Pass
6**	15904.733	47.49	54.0	6.51	AV	131.00	100	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

Test Band	Mode	Channel	Verdict
U-NII-1	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(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
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
	802.11ax(HE20) (RU26)	Low	Pass
		High	Pass

	802.11ax(HE40) (RU26)	Low	Pass
		High	Pass
	802.11ax(HE80) (RU26)	Middle	Pass

Note ¹: All antenna were pre tested, but only the worst case has been reported in this report.

Note ²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data and Plots

MIMO

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	5077.449	56.16	74.0	17.84	Peak	17.00	300	Horizontal	Pass
1**	5077.449	42.54	54.0	11.46	AV	17.00	300	Horizontal	Pass
2	5150.000	55.62	74.0	18.38	Peak	23.00	200	Horizontal	Pass
2**	5150.000	45.03	54.0	8.97	AV	23.00	200	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	54.5	74.0	19.50	Peak	11.00	200	Horizontal	Pass
1**	5350.000	42.41	54.0	11.59	AV	11.00	200	Horizontal	Pass
2	5423.167	55.3	74.0	18.70	Peak	40.00	200	Horizontal	Pass
2**	5423.167	46.71	54.0	7.29	AV	40.00	200	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	5075.872	57.88	74.0	16.12	Peak	129.00	100	Horizontal	Pass
1**	5075.872	43.26	54.0	10.74	AV	129.00	100	Horizontal	Pass
2	5150.000	52.83	74.0	21.17	Peak	151.00	200	Horizontal	Pass
2**	5150.000	43.66	54.0	10.34	AV	151.00	200	Horizontal	Pass

U-NII-1 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	53.29	74.0	20.71	Peak	243.00	300	Horizontal	Pass
1**	5350.000	46.18	54.0	7.82	AV	243.00	300	Horizontal	Pass
2	5423.871	58.37	74.0	15.63	Peak	327.00	100	Horizontal	Pass
2**	5423.871	46.36	54.0	7.64	AV	327.00	100	Horizontal	Pass

U-NII-1 11n40 Low Channel

1	5075.636	54.68	74.0	19.32	Peak	196.00	100	Horizontal	Pass
1**	5075.636	46	54.0	8.00	AV	196.00	100	Horizontal	Pass
2	5150.000	55.82	74.0	18.18	Peak	307.00	200	Horizontal	Pass
2**	5150.000	43.26	54.0	10.74	AV	307.00	200	Horizontal	Pass
2**	5150.000	45.46	54.0	8.54	AV	12.00	200	Horizontal	Pass

U-NII-1 11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.72	74.0	18.28	Peak	249.00	100	Horizontal	Pass
1**	5350.000	44.2	54.0	9.80	AV	249.00	100	Horizontal	Pass
2	5421.798	54.87	74.0	19.13	Peak	163.00	300	Horizontal	Pass
2**	5421.798	43.57	54.0	10.43	AV	163.00	300	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	5075.805	55.86	74.0	18.14	Peak	143.00	300	Horizontal	Pass
1**	5075.805	42.83	54.0	11.17	AV	143.00	300	Horizontal	Pass
2	5150.000	52.92	74.0	21.08	Peak	52.00	300	Horizontal	Pass
2**	5150.000	45.07	54.0	8.93	AV	52.00	300	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	52.6	74.0	21.40	Peak	250.00	200	Horizontal	Pass
1**	5350.000	45.57	54.0	8.43	AV	250.00	200	Horizontal	Pass
2	5423.153	56.64	74.0	17.36	Peak	301.00	300	Horizontal	Pass
2**	5423.153	44.72	54.0	9.28	AV	301.00	300	Horizontal	Pass

U-NII-1 11ac40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5077.888	57.5	74.0	16.50	Peak	108.00	100	Horizontal	Pass
1**	5077.888	46.36	54.0	7.64	AV	108.00	100	Horizontal	Pass
2	5150.000	52.41	74.0	21.59	Peak	267.00	200	Horizontal	Pass
2**	5150.000	42.8	54.0	11.20	AV	267.00	200	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	54.21	74.0	19.79	Peak	233.00	300	Horizontal	Pass
1**	5350.000	42.73	54.0	11.27	AV	233.00	300	Horizontal	Pass
2	5423.835	56.44	74.0	17.56	Peak	326.00	100	Horizontal	Pass
2**	5423.835	44.41	54.0	9.59	AV	326.00	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	5075.696	54.21	74.0	19.79	Peak	40.00	200	Horizontal	Pass
1**	5075.696	44.86	54.0	9.14	AV	40.00	200	Horizontal	Pass
2	5150.000	54.87	74.0	19.13	Peak	320.00	100	Horizontal	Pass
2**	5150.000	45.43	54.0	8.57	AV	320.00	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	52.96	74.0	21.04	Peak	340.00	300	Horizontal	Pass
1**	5350.000	42.41	54.0	11.59	AV	340.00	300	Horizontal	Pass
2	5424.293	56.18	74.0	17.82	Peak	304.00	200	Horizontal	Pass
2**	5424.293	46.73	54.0	7.27	AV	304.00	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	5075.280	55.85	74.0	18.15	Peak	17.00	200	Horizontal	Pass
1**	5075.280	45.61	54.0	8.39	AV	17.00	200	Horizontal	Pass
2	5150.000	55.87	74.0	18.13	Peak	336.00	300	Horizontal	Pass
2**	5150.000	45.76	54.0	8.24	AV	336.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	52.9	74.0	21.10	Peak	131.00	100	Horizontal	Pass
1**	5350.000	43.13	54.0	10.87	AV	131.00	100	Horizontal	Pass
2	5422.058	56.62	74.0	17.38	Peak	162.00	100	Horizontal	Pass
2**	5422.058	46.32	54.0	7.68	AV	162.00	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	5076.382	55.18	74.0	18.82	Peak	38.00	200	Horizontal	Pass
1**	5076.382	43.28	54.0	10.72	AV	38.00	200	Horizontal	Pass
2	5150.000	52.94	74.0	21.06	Peak	148.00	100	Horizontal	Pass
2**	5150.000	45.08	54.0	8.92	AV	148.00	100	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	53.2	74.0	20.80	Peak	45.00	300	Horizontal	Pass
1**	5350.000	44.97	54.0	9.03	AV	45.00	300	Horizontal	Pass
2	5422.482	58.08	74.0	15.92	Peak	324.00	100	Horizontal	Pass
2**	5422.482	44.37	54.0	9.63	AV	324.00	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	5077.708	54.7	74.0	19.30	Peak	236.00	100	Horizontal	Pass
1**	5077.708	43.09	54.0	10.91	AV	236.00	100	Horizontal	Pass
2	5150.000	54.09	74.0	19.91	Peak	34.00	200	Horizontal	Pass
2**	5150.000	45.4	54.0	8.60	AV	34.00	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	55.88	74.0	18.12	Peak	179.00	300	Horizontal	Pass
1**	5350.000	43.59	54.0	10.41	AV	179.00	300	Horizontal	Pass
2	5422.286	56.15	74.0	17.85	Peak	341.00	200	Horizontal	Pass
2**	5422.286	46.94	54.0	7.06	AV	341.00	200	Horizontal	Pass

U-NII-1 11ax20 (RU26) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5077.412	58.06	74.0	15.94	Peak	271.00	200	Horizontal	Pass
1**	5077.412	44.96	54.0	9.04	AV	271.00	200	Horizontal	Pass
2	5150.000	53.36	74.0	20.64	Peak	250.00	200	Horizontal	Pass
2**	5150.000	42.62	54.0	11.38	AV	250.00	200	Horizontal	Pass

U-NII-1 11ax20 (RU26) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.49	74.0	17.51	Peak	306.00	200	Horizontal	Pass
1**	5350.000	42.69	54.0	11.31	AV	306.00	200	Horizontal	Pass
2	5424.450	57.56	74.0	16.44	Peak	98.00	200	Horizontal	Pass
2**	5424.450	45.22	54.0	8.78	AV	98.00	200	Horizontal	Pass

U-NII-1 11ax40 (RU26) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5077.980	54.6	74.0	19.40	Peak	243.00	100	Horizontal	Pass
1**	5077.980	42.67	54.0	11.33	AV	243.00	100	Horizontal	Pass
2	5150.000	53.73	74.0	20.27	Peak	268.00	200	Horizontal	Pass
2**	5150.000	45.1	54.0	8.90	AV	268.00	200	Horizontal	Pass

U-NII-1 11ax40 (RU26) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	54.92	74.0	19.08	Peak	12.00	200	Horizontal	Pass
1**	5350.000	42.83	54.0	11.17	AV	12.00	200	Horizontal	Pass
2	5422.012	55.02	74.0	18.98	Peak	318.00	300	Horizontal	Pass
2**	5422.012	43.77	54.0	10.23	AV	318.00	300	Horizontal	Pass

U-NII-1 11ax80 (RU26) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5075.292	57.09	74.0	16.91	Peak	303.00	300	Horizontal	Pass
1**	5075.292	44.13	54.0	9.87	AV	303.00	300	Horizontal	Pass
2	5150.000	55.95	74.0	18.05	Peak	335.00	300	Horizontal	Pass
2**	5150.000	44.37	54.0	9.63	AV	335.00	300	Horizontal	Pass

U-NII-1 11ax80 (RU26) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	52.99	74.0	21.01	Peak	352.00	300	Horizontal	Pass
1**	5350.000	45.78	54.0	8.22	AV	352.00	300	Horizontal	Pass
2	5424.119	57.57	74.0	16.43	Peak	219.00	200	Horizontal	Pass
2**	5424.119	45.46	54.0	8.54	AV	219.00	200	Horizontal	Pass

U-NII-3 11a Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5643.822	55.76	68.2	12.44	Peak	108.00	300	Horizontal	Pass
2	5650.000	54.39	68.2	13.81	Peak	108.00	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	5725.000	54.39	68.2	13.81	Peak	153.00	300	Horizontal	Pass
2	5944.585	57.96	68.2	10.24	Peak	311.00	100	Horizontal	Pass

U-NII-3 11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5642.156	58.53	68.2	9.67	Peak	91.00	100	Horizontal	Pass
2	5650.000	57.09	68.2	11.11	Peak	91.00	100	Horizontal	Pass

U-NII-3 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	57.23	68.2	10.97	Peak	283.00	100	Horizontal	Pass
2	5728.169	61.12	68.2	7.08	Peak	52.00	200	Horizontal	Pass

U-NII-3 11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5642.438	58.88	68.2	9.32	Peak	234.00	200	Horizontal	Pass
2	5650.000	55.7	68.2	12.50	Peak	234.00	200	Horizontal	Pass

U-NII-3 11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	56.72	68.2	11.48	Peak	223.00	300	Horizontal	Pass
2	5728.559	64.15	68.2	4.05	Peak	13.00	200	Horizontal	Pass

U-NII-3 11ac20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	57.18	68.2	11.02	Peak	354.00	200	Horizontal	Pass
2	5727.611	62.31	68.2	5.89	Peak	152.00	100	Horizontal	Pass

U-NII-3 11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	56.53	68.2	11.67	Peak	280.00	300	Horizontal	Pass
2	5728.006	62.72	68.2	5.48	Peak	340.00	200	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	5725.000	54.23	68.2	13.97	Peak	45.00	200	Horizontal	Pass
2	5729.311	61.01	68.2	7.19	Peak	119.00	200	Horizontal	Pass

U-NII-3 11ac40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.54	68.2	12.66	Peak	227.00	100	Horizontal	Pass
2	5729.237	61.67	68.2	6.53	Peak	98.00	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	5725.000	54.58	68.2	13.62	Peak	255.00	200	Horizontal	Pass
2	5727.802	62	68.2	6.20	Peak	97.00	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	5725.000	53.99	68.2	14.21	Peak	126.00	200	Horizontal	Pass
2	5728.541	62.21	68.2	5.99	Peak	248.00	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	5725.000	53.39	68.2	14.81	Peak	178.00	300	Horizontal	Pass
2	5727.874	63.07	68.2	5.13	Peak	104.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	56.13	68.2	12.07	Peak	248.00	300	Horizontal	Pass
2	5727.739	62.35	68.2	5.85	Peak	187.00	100	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	5725.000	54.36	68.2	13.84	Peak	294.00	300	Horizontal	Pass
2	5729.018	63.28	68.2	4.92	Peak	112.00	300	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	5725.000	53.41	68.2	14.79	Peak	78.00	100	Horizontal	Pass
2	5729.143	63.61	68.2	4.59	Peak	223.00	200	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	5725.000	56.3	68.2	11.90	Peak	303.00	300	Horizontal	Pass
2	5729.263	62.37	68.2	5.83	Peak	276.00	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	5725.000	55.4	68.2	12.80	Peak	205.00	300	Horizontal	Pass
2	5727.604	63.23	68.2	4.97	Peak	133.00	300	Horizontal	Pass

U-NII-3 11ax20 (RU26) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	56.77	68.2	11.43	Peak	90.00	100	Horizontal	Pass
2	5729.448	61.78	68.2	6.42	Peak	1.00	300	Horizontal	Pass

U-NII-3 11ax20 (RU26) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.08	68.2	13.12	Peak	207.00	300	Horizontal	Pass
2	5727.796	64.1	68.2	4.10	Peak	38.00	300	Horizontal	Pass

U-NII-3 11ax40 (RU26) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.66	68.2	12.54	Peak	3.00	200	Horizontal	Pass
2	5729.634	62.4	68.2	5.80	Peak	179.00	300	Horizontal	Pass

U-NII-3 11ax40 (RU26) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	54.23	68.2	13.97	Peak	324.00	300	Horizontal	Pass
2	5729.647	63.98	68.2	4.22	Peak	128.00	100	Horizontal	Pass

U-NII-3 11ax80 (RU26) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	53.9	68.2	14.30	Peak	81.00	100	Horizontal	Pass
2	5728.810	64.07	68.2	4.13	Peak	183.00	300	Horizontal	Pass

U-NII-3 11ax80 (RU26) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.01	68.2	13.19	Peak	227.00	100	Horizontal	Pass
2	5728.560	63.2	68.2	5.00	Peak	356.00	300	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ24A0296-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ24A0296-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ24A0296-AI.PDF”.

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