

TEST REPORT

Applicant: Xtra Technology LLC
Address: 3422 Old Capitol Trail, Suite 700, Wilmington, DE
19808-6124, USA
Equipment Type: XTRA EDGE PRO
Model Name: XCAMD01
Brand Name: Xtra
FCC ID: 2BQH2-XCAMD01
Test Standard: 47 CFR Part 15 Subpart E
(refer to section 3.1)
Sample Arrival Date: Jul. 10, 2025
Test Date: Jul. 11, 2025 - Jul. 24, 2025
Date of Issue: Jul. 31, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

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Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Jul. 31, 2025</u>	<u>Initial Issue</u>

TABLE OF CONTENTS

1	GENERAL INFORMATION	4
1.1	Test Laboratory	4
1.2	Test Location	4
2	PRODUCT INFORMATION	5
2.1	Applicant Information	5
2.2	Manufacturer Information	5
2.3	General Description for Equipment under Test (EUT)	5
2.4	Technical Information	6
2.5	Channel List	8
3	SUMMARY OF TEST RESULTS	11
3.1	Test Standards	11
3.2	Test Verdict	11
4	GENERAL TEST CONFIGURATIONS	12
4.1	Test Environments	12
4.2	Test Equipment List	12
4.3	Test Software List	12
4.4	Measurement Uncertainty	13
4.5	Description of Test Setup	13
5	TEST ITEMS	16
5.1	RF Output Power	16
5.2	Emission Bandwidth and 6 dB Bandwidth	18
5.3	Power Spectral density (PSD)	19
5.4	Conducted Emission	20
5.5	Radiated Spurious Emissions and Band Edge (Restricted-band)	21

ANNEX A	TEST RESULT	25
A.1	RF Output Power.....	25
A.2	Emission Bandwidth & 99% Bandwidth.....	33
A.3	6 dB Bandwidth	37
A.4	Power Spectral Density	39
A.5	Conducted Emissions.....	44
A.6	Radiated Spurious Emissions and Band Edge (Restricted-band).....	46
ANNEX B	TEST SETUP PHOTOS	98
ANNEX C	EUT EXTERNAL PHOTOS	98
ANNEX D	EUT INTERNAL PHOTOS	98

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	Xtra Technology LLC
Address	3422 Old Capitol Trail, Suite 700, Wilmington, DE 19808-6124, USA

2.2 Manufacturer Information

Manufacturer	Xtra Technology LLC
Address	3422 Old Capitol Trail, Suite 700, Wilmington, DE 19808-6124, USA

2.3 General Description for Equipment under Test (EUT)

EUT Name	XTRA EDGE PRO
Model Name Under Test	XCAMD01
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	V1.0.0
Software Version	01.00.00.00
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac and 802.11ax
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The requirement for the following technical information of the EUT was tested in this report:

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-3: 5725 MHz to 5850 MHz	
Product Type	☐ Mobile ☒ Portable ☐ Fix Location	
Modulation technology	OFDM, 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: 71.80 mW U-NII-3: 119.73 mW	
Antenna System (eg., MIMO, Smart Antenna)	Multi Input Multi Output (MIMO) for 802.11n/ac/ax	
Categorization as Correlated or Completely Uncorrelated	Categorization as Uncorrelated for 802.11n/ac/ax	
Antenna Type	ANT0 ANT1	Metal Shrapnel Antenna
Antenna Gain	ANT0 ANT1	
Total directional gain	For power spectral density (PSD) measurements	U-NII-1: 5150 MHz to 5250 MHz: 1.0 dBi U-NII-3: 5725 MHz to 5850 MHz: -3.0 dBi
		U-NII-1: 5150 MHz to 5250 MHz: 0.0 dBi U-NII-3: 5725 MHz to 5850 MHz: 0.9 dBi
	For power	Correlated: U-NII-1: 5150 MHz to 5250 MHz: 3.52 dBi U-NII-3: 5725 MHz to 5850 MHz: 2.18 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: 0.53 dBi U-NII-3: 5725 MHz to 5850 MHz: -0.63 dBi Formulas: Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10}) / NANT]$ dBi

	measurements	U-NII-1: 5150 MHz to 5250 MHz: 3.52 dBi U-NII-3: 5725 MHz to 5850 MHz: 2.18 dBi Formulas: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / \text{NANT}]$ dBi Uncorrelated: U-NII-1: 5150 MHz to 5250 MHz: 0.53 dBi U-NII-3: 5725 MHz to 5850 MHz: -0.63 dBi Formulas: Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10}) / \text{NANT}]$ dBi
About the Product		The equipment is XTRA EDGE PRO, intended for used with information technology equipment.

Mode	Antenna		
	ANT0	ANT1	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
802.11ax20	√	--	--	--	--	--
802.11ax40	√	--	--	--	--	--
802.11ax80	√	--	--	--	--	--

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

2.5 Channel List

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

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

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

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

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

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

For 802.11ac(VHT80)/ax(HE80)

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

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

Test Items	Mode	Data Rate	Modulation Type	U-NII-1	U-NII-3
				Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
	11ax(20 MHz)	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	N/A	165/157/149
	11n(20 MHz)	6.5		N/A	165/157/149
	11n(40 MHz)	13.5		N/A	159/151
	11ac(20 MHz)	6.5		N/A	165/157/149
	11ac(40 MHz)	13.5		N/A	159/151
	11ac(80 MHz)	29.3		N/A	155
	11ax(20 MHz)	4		N/A	165/157/149
	11ax(40 MHz)	8		N/A	159/151
	11ax(80 MHz)	17		N/A	155
Power Spectral Density	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
	11ax(20 MHz)	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	48/36	165/149
	11n(20 MHz)	6.5		48/36	165/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/36	165/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
	11ax(20 MHz)	4		48/36	165/149
	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	40% to 66%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.1℃ to +26.4℃
Working Voltage of the EUT	NV (Normal Voltage)	3.87 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2024.12.16	2025.12.15
Spectrum Analyzer	KEYSIGHT	N9020A	MY56060183	2024.08.01	2025.07.31
Power Sensor	KEYSIGHT	U2063XA	MY58000247	2025.06.16	2026.06.15
Spectrum Analyzer	KEYSIGHT	N9020A	MY52510065	2024.08.01	2025.07.31
Signaling Unit	ROHDE&SCHWARZ	CMW500	171150	2025.04.28	2026.04.27
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	01631	2025.02.22	2028.02.21
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Anechoic Chamber	RAINFORD	9m*6m*6m	144	2022.02.19	2025.09.03
Amplifier	COM-MV	LSCX_LNA1-12G-01	180602	2024.08.01	2025.07.31
Amplifier	COM-MV	XKu_LNA7-18G-01	180601	2024.08.01	2025.07.31
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2024.12.05	2025.12.04
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2024.08.01	2025.07.31
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-01162	2023.08.04	2026.08.03
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22
Amplifier	COM-MV	ZT30-1000M	B2018054558	2024.11.28	2025.11.27
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2024.07.13	2027.07.12
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2024.08.01	2025.07.31
LISN	SCHWARZBECK	NSLK 8127	8127-687	2025.04.29	2026.04.28
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2025.02.14	2028.02.13

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

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

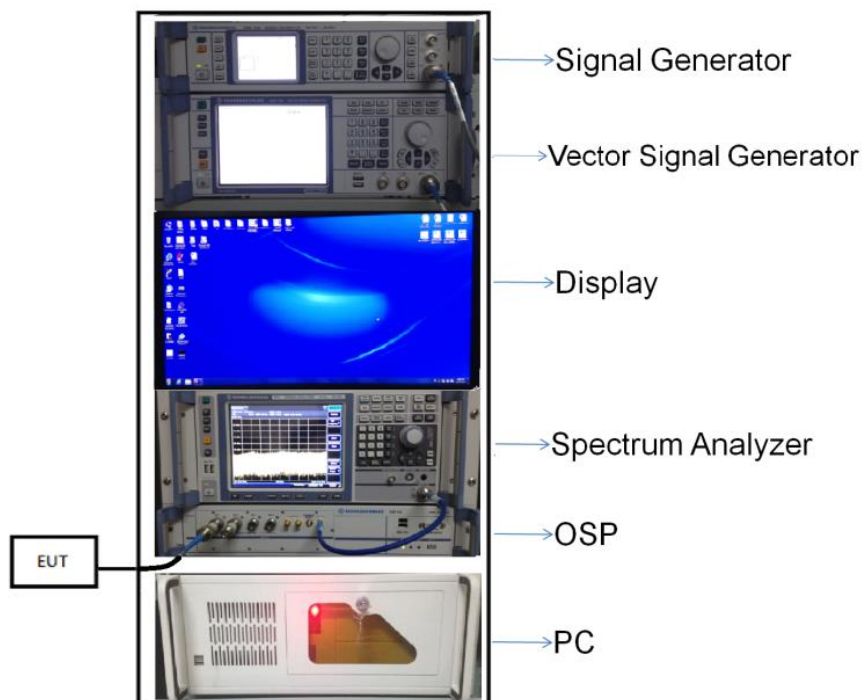
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

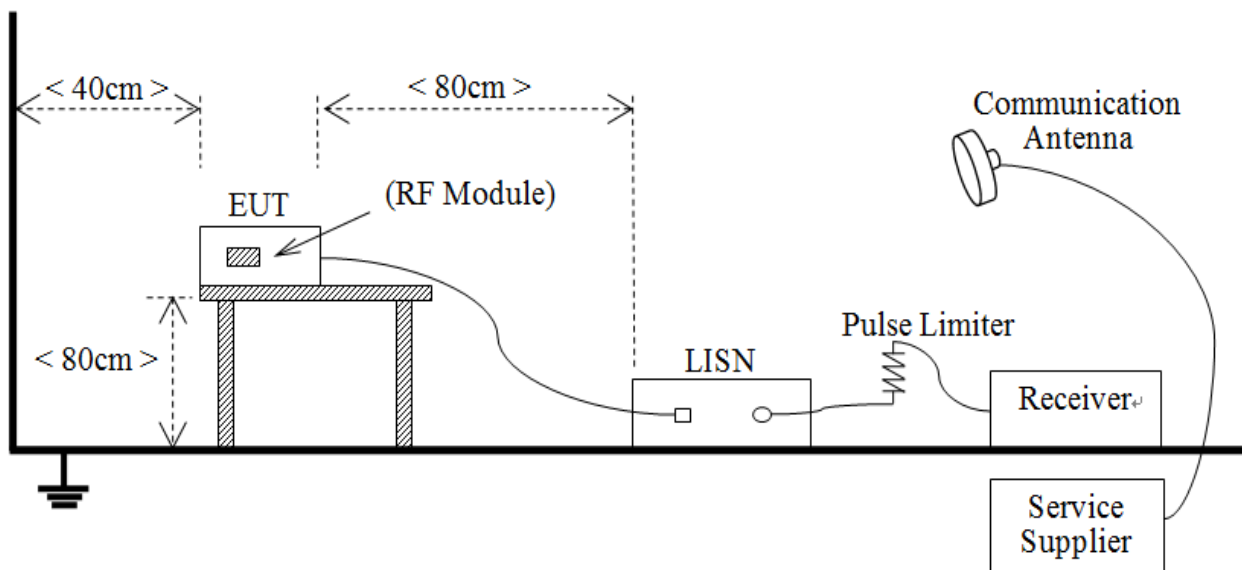
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



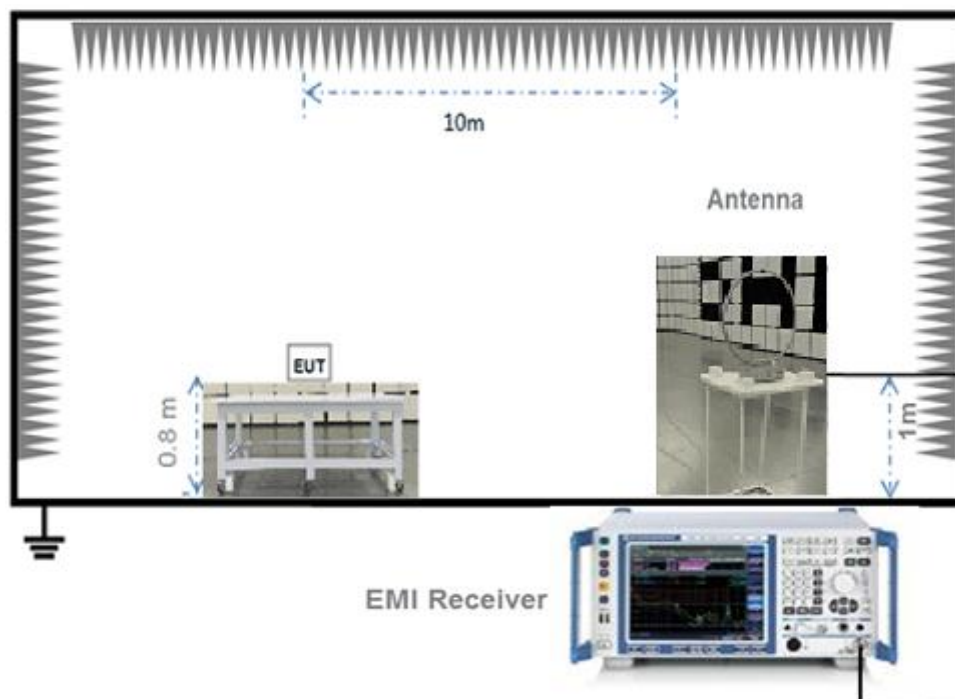
(Diagram 1)

4.5.2 For AC Power Supply Port Test



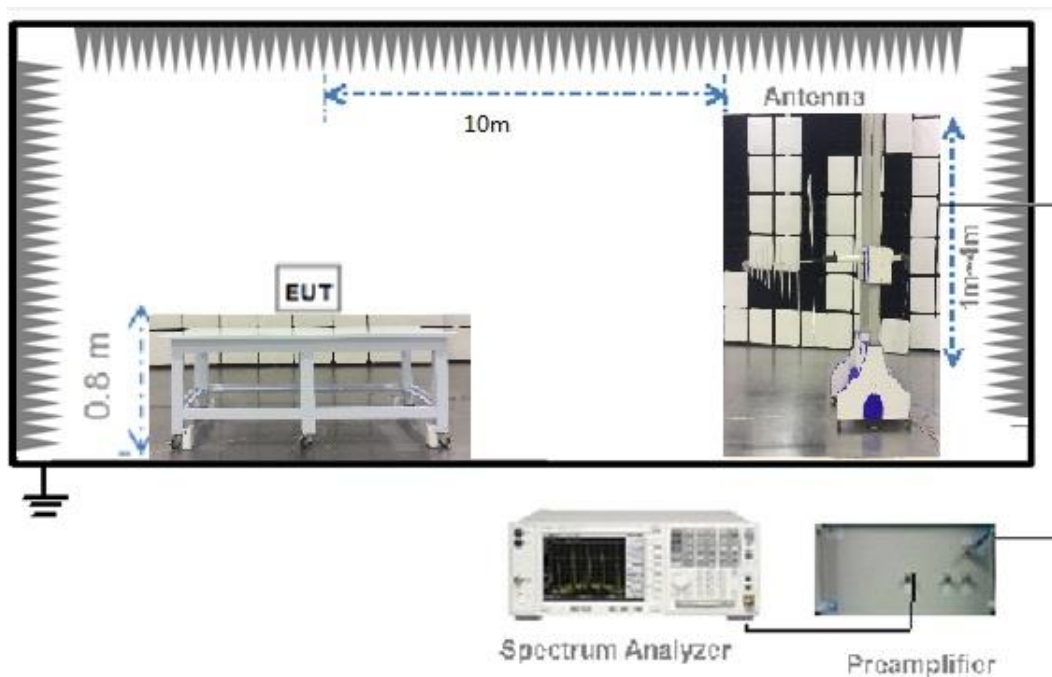
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



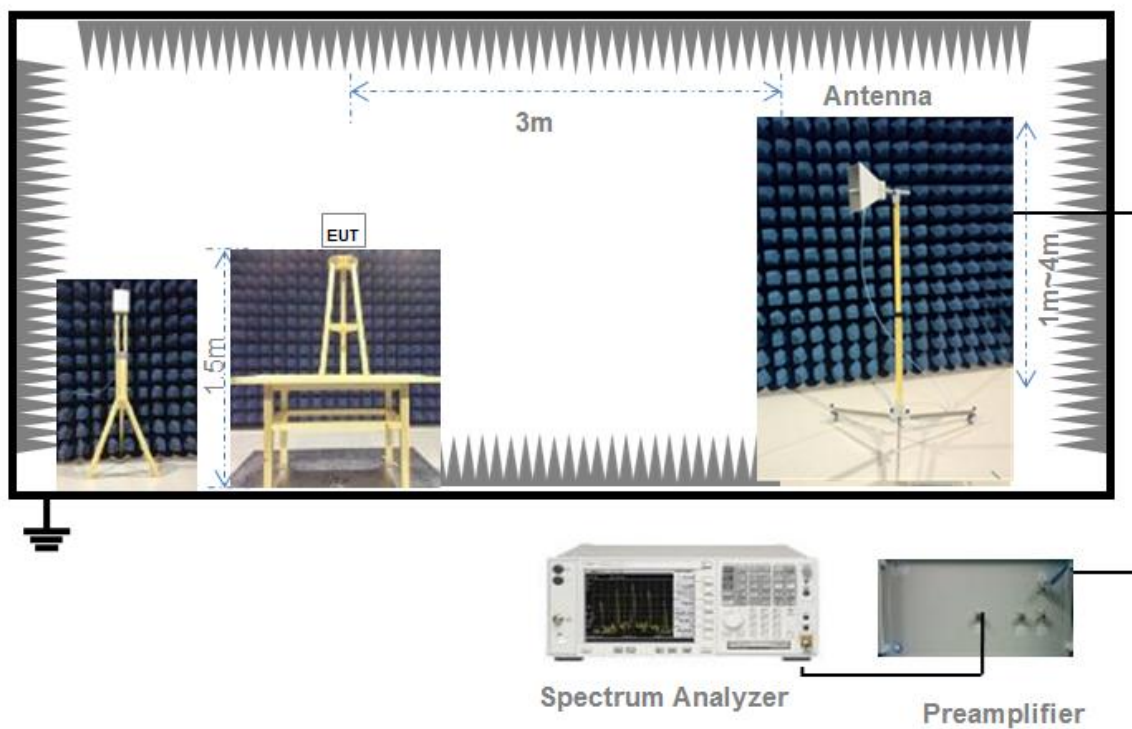
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

5.1.2 Test Setup

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

5.1.3 Test Procedure

Maximum conducted (average) output power

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

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

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

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

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

Measurements of duty cycle

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

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

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

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

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

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

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a)

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

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

Occupied Bandwidth

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

6 dB bandwidth

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

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

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

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

5.5.1 Limit

FCC §15.209 & 15.407(b)

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

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

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

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	1.42	1.53	93.38%	0.30
11n(HT20)/11ac(VHT20)	1.34	1.44	92.98%	0.32
11n(HT40)/11ac(VHT40)	0.66	0.77	86.75%	0.62
11ac(VHT80)	0.33	0.43	76.75%	1.15
11ax(HE20)	1.04	1.14	91.58%	0.38
11ax(HE40)	0.55	0.65	84.76%	0.72
11ax(HE80)	0.29	0.40	74.40%	1.28

Test DataConducted PowerSISO-ANT0

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	14.45	27.86	250	Pass
11a	CH44	14.58	28.71	250	Pass
11a	CH48	14.74	29.79	250	Pass
11n(HT20)	CH36	14.67	29.31	250	Pass
11n(HT20)	CH44	14.74	29.79	250	Pass
11n(HT20)	CH48	14.87	30.69	250	Pass
11n(HT40)	CH38	13.00	19.95	250	Pass
11n(HT40)	CH46	14.87	30.69	250	Pass
11ac(VHT20)	CH36	15.25	33.50	250	Pass
11ac(VHT20)	CH44	14.65	29.17	250	Pass
11ac(VHT20)	CH48	15.04	31.92	250	Pass
11ac(VHT40)	CH38	13.04	20.14	250	Pass
11ac(VHT40)	CH46	15.21	33.19	250	Pass
11ac(VHT80)	CH42	14.35	27.23	250	Pass
11ax(HE20)(SU)	CH36	15.21	33.19	250	Pass
11ax(HE20)(SU)	CH44	15.34	34.20	250	Pass
11ax(HE20)(SU)	CH48	15.21	33.19	250	Pass
11ax(HE40)(SU)	CH38	13.64	23.12	250	Pass
11ax(HE40)(SU)	CH46	15.32	34.04	250	Pass
11ax(HE80)(SU)	CH42	14.17	26.12	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	19.05	80.35	1000	Pass
11a	CH157	18.77	75.34	1000	Pass
11a	CH165	18.37	68.71	1000	Pass
11n(HT20)	CH149	18.77	75.34	1000	Pass
11n(HT20)	CH157	18.40	69.18	1000	Pass
11n(HT20)	CH165	19.31	85.31	1000	Pass
11n(HT40)	CH151	18.41	69.34	1000	Pass
11n(HT40)	CH159	19.50	89.13	1000	Pass
11ac(VHT20)	CH149	18.70	74.13	1000	Pass
11ac(VHT20)	CH157	18.42	69.50	1000	Pass
11ac(VHT20)	CH165	19.25	84.14	1000	Pass
11ac(VHT40)	CH151	18.45	69.98	1000	Pass
11ac(VHT40)	CH159	19.45	88.10	1000	Pass
11ac(VHT80)	CH155	19.01	79.62	1000	Pass
11ax(HE20)(SU)	CH149	18.79	75.68	1000	Pass
11ax(HE20)(SU)	CH157	18.47	70.31	1000	Pass
11ax(HE20)(SU)	CH165	19.44	87.90	1000	Pass
11ax(HE40)(SU)	CH151	18.52	71.12	1000	Pass
11ax(HE40)(SU)	CH159	18.41	69.34	1000	Pass
11ax(HE80)(SU)	CH155	18.12	64.86	1000	Pass

SISO-ANT1

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	15.65	36.73	250	Pass
11a	CH44	15.67	36.90	250	Pass
11a	CH48	15.66	36.81	250	Pass
11n(HT20)	CH36	15.63	36.56	250	Pass
11n(HT20)	CH44	15.32	34.04	250	Pass
11n(HT20)	CH48	15.66	36.81	250	Pass
11n(HT40)	CH38	12.17	16.48	250	Pass
11n(HT40)	CH46	15.77	37.76	250	Pass
11ac(VHT20)	CH36	14.05	25.41	250	Pass
11ac(VHT20)	CH44	15.34	34.20	250	Pass
11ac(VHT20)	CH48	15.53	35.73	250	Pass
11ac(VHT40)	CH38	13.14	20.61	250	Pass
11ac(VHT40)	CH46	15.38	34.51	250	Pass
11ac(VHT80)	CH42	13.18	20.80	250	Pass
11ax(HE20)(SU)	CH36	15.34	34.20	250	Pass
11ax(HE20)(SU)	CH44	15.35	34.28	250	Pass
11ax(HE20)(SU)	CH48	15.50	35.48	250	Pass
11ax(HE40)(SU)	CH38	12.33	17.10	250	Pass
11ax(HE40)(SU)	CH46	15.61	36.39	250	Pass
11ax(HE80)(SU)	CH42	13.32	21.48	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	15.25	33.50	1000	Pass
11a	CH157	14.98	31.48	1000	Pass
11a	CH165	14.55	28.51	1000	Pass
11n(HT20)	CH149	15.06	32.06	1000	Pass
11n(HT20)	CH157	14.72	29.65	1000	Pass
11n(HT20)	CH165	14.45	27.86	1000	Pass
11n(HT40)	CH151	15.11	32.43	1000	Pass
11n(HT40)	CH159	14.94	31.19	1000	Pass
11ac(VHT20)	CH149	15.07	32.14	1000	Pass
11ac(VHT20)	CH157	14.74	29.79	1000	Pass
11ac(VHT20)	CH165	14.46	27.93	1000	Pass
11ac(VHT40)	CH151	15.11	32.43	1000	Pass
11ac(VHT40)	CH159	14.97	31.41	1000	Pass
11ac(VHT80)	CH155	14.50	28.18	1000	Pass
11ax(HE20)(SU)	CH149	15.22	33.27	1000	Pass
11ax(HE20)(SU)	CH157	14.98	31.48	1000	Pass
11ax(HE20)(SU)	CH165	14.57	28.64	1000	Pass
11ax(HE40)(SU)	CH151	15.32	34.04	1000	Pass
11ax(HE40)(SU)	CH159	14.92	31.05	1000	Pass
11ax(HE80)(SU)	CH155	14.54	28.44	1000	Pass

MIMO-ANT0

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n(HT20)	CH36	14.73	29.72	250	Pass
11n(HT20)	CH44	14.57	28.64	250	Pass
11n(HT20)	CH48	15.05	31.99	250	Pass
11n(HT40)	CH38	12.93	19.63	250	Pass
11n(HT40)	CH46	15.02	31.77	250	Pass
11ac(VHT20)	CH36	15.22	33.27	250	Pass
11ac(VHT20)	CH44	14.78	30.06	250	Pass
11ac(VHT20)	CH48	14.94	31.19	250	Pass
11ac(VHT40)	CH38	13.10	20.42	250	Pass
11ac(VHT40)	CH46	15.33	34.12	250	Pass
11ac(VHT80)	CH42	14.39	27.48	250	Pass
11ax(HE20)(SU)	CH36	15.11	32.43	250	Pass
11ax(HE20)(SU)	CH44	15.42	34.83	250	Pass
11ax(HE20)(SU)	CH48	15.04	31.92	250	Pass
11ax(HE40)(SU)	CH38	13.68	23.33	250	Pass
11ax(HE40)(SU)	CH46	15.45	35.08	250	Pass
11ax(HE80)(SU)	CH42	14.19	26.24	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n(HT20)	CH149	18.83	76.38	1000	Pass
11n(HT20)	CH157	18.48	70.47	1000	Pass
11n(HT20)	CH165	19.32	85.51	1000	Pass
11n(HT40)	CH151	18.28	67.30	1000	Pass
11n(HT40)	CH159	19.36	86.30	1000	Pass
11ac(VHT20)	CH149	18.62	72.78	1000	Pass
11ac(VHT20)	CH157	18.25	66.83	1000	Pass
11ac(VHT20)	CH165	19.20	83.18	1000	Pass
11ac(VHT40)	CH151	18.38	68.87	1000	Pass
11ac(VHT40)	CH159	19.41	87.30	1000	Pass
11ac(VHT80)	CH155	18.83	76.38	1000	Pass
11ax(HE20)(SU)	CH149	18.85	76.74	1000	Pass
11ax(HE20)(SU)	CH157	18.65	73.28	1000	Pass
11ax(HE20)(SU)	CH165	19.43	87.70	1000	Pass
11ax(HE40)(SU)	CH151	18.33	68.08	1000	Pass
11ax(HE40)(SU)	CH159	18.21	66.22	1000	Pass
11ax(HE80)(SU)	CH155	18.26	66.99	1000	Pass

MIMO-ANT1

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n(HT20)	CH36	15.79	37.93	250	Pass
11n(HT20)	CH44	15.36	34.36	250	Pass
11n(HT20)	CH48	15.50	35.48	250	Pass
11n(HT40)	CH38	12.05	16.03	250	Pass
11n(HT40)	CH46	15.62	36.48	250	Pass
11ac(VHT20)	CH36	14.20	26.30	250	Pass
11ac(VHT20)	CH44	15.23	33.34	250	Pass
11ac(VHT20)	CH48	15.61	36.39	250	Pass
11ac(VHT40)	CH38	13.31	21.43	250	Pass
11ac(VHT40)	CH46	15.26	33.57	250	Pass
11ac(VHT80)	CH42	13.31	21.43	250	Pass
11ax(HE20)(SU)	CH36	15.50	35.48	250	Pass
11ax(HE20)(SU)	CH44	15.29	33.81	250	Pass
11ax(HE20)(SU)	CH48	15.31	33.96	250	Pass
11ax(HE40)(SU)	CH38	12.22	16.67	250	Pass
11ax(HE40)(SU)	CH46	15.65	36.73	250	Pass
11ax(HE80)(SU)	CH42	15.84	38.37	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n(HT20)	CH149	14.86	30.62	1000	Pass
11n(HT20)	CH157	14.78	30.06	1000	Pass
11n(HT20)	CH165	14.46	27.93	1000	Pass
11n(HT40)	CH151	14.94	31.19	1000	Pass
11n(HT40)	CH159	14.87	30.69	1000	Pass
11ac(VHT20)	CH149	15.14	32.66	1000	Pass
11ac(VHT20)	CH157	14.90	30.90	1000	Pass
11ac(VHT20)	CH165	14.53	28.38	1000	Pass
11ac(VHT40)	CH151	15.24	33.42	1000	Pass
11ac(VHT40)	CH159	15.11	32.43	1000	Pass
11ac(VHT80)	CH155	14.51	28.25	1000	Pass
11ax(HE20)(SU)	CH149	15.06	32.06	1000	Pass
11ax(HE20)(SU)	CH157	14.94	31.19	1000	Pass
11ax(HE20)(SU)	CH165	14.77	29.99	1000	Pass
11ax(HE40)(SU)	CH151	15.19	33.04	1000	Pass
11ax(HE40)(SU)	CH159	15.07	32.14	1000	Pass
11ax(HE80)(SU)	CH155	14.44	27.80	1000	Pass

MIMO

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n(HT20)	CH36	18.30	67.65	250	Pass
11n(HT20)	CH44	17.99	63.00	250	Pass
11n(HT20)	CH48	18.29	67.47	250	Pass
11n(HT40)	CH38	15.52	35.67	250	Pass
11n(HT40)	CH46	18.34	68.24	250	Pass
11ac(VHT20)	CH36	17.75	59.57	250	Pass
11ac(VHT20)	CH44	18.02	63.40	250	Pass
11ac(VHT20)	CH48	18.30	67.58	250	Pass
11ac(VHT40)	CH38	16.22	41.85	250	Pass
11ac(VHT40)	CH46	18.31	67.69	250	Pass
11ac(VHT80)	CH42	16.89	48.91	250	Pass
11ax(HE20)(SU)	CH36	18.32	67.92	250	Pass
11ax(HE20)(SU)	CH44	18.37	68.64	250	Pass
11ax(HE20)(SU)	CH48	18.19	65.88	250	Pass
11ax(HE40)(SU)	CH38	16.02	40.01	250	Pass
11ax(HE40)(SU)	CH46	18.56	71.80	250	Pass
11ax(HE80)(SU)	CH42	18.10	64.61	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n(HT20)	CH149	20.29	107.00	1000	Pass
11n(HT20)	CH157	20.02	100.53	1000	Pass
11n(HT20)	CH165	20.55	113.43	1000	Pass
11n(HT40)	CH151	19.93	98.49	1000	Pass
11n(HT40)	CH159	20.68	116.99	1000	Pass
11ac(VHT20)	CH149	20.23	105.44	1000	Pass
11ac(VHT20)	CH157	19.90	97.74	1000	Pass
11ac(VHT20)	CH165	20.47	111.56	1000	Pass
11ac(VHT40)	CH151	20.10	102.28	1000	Pass
11ac(VHT40)	CH159	20.78	119.73	1000	Pass
11ac(VHT80)	CH155	20.20	104.63	1000	Pass
11ax(HE20)(SU)	CH149	20.37	108.80	1000	Pass
11ax(HE20)(SU)	CH157	20.19	104.47	1000	Pass
11ax(HE20)(SU)	CH165	20.71	117.69	1000	Pass
11ax(HE40)(SU)	CH151	20.05	101.11	1000	Pass
11ax(HE40)(SU)	CH159	19.93	98.36	1000	Pass
11ax(HE80)(SU)	CH155	19.77	94.79	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2570543-604 Data Part 1.pdf".

Test Data

SISO-ANT0

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	20.79	16.38
11a	CH44	20.85	16.40
11a	CH48	20.89	16.37
11n(HT20)	CH36	21.14	17.52
11n(HT20)	CH44	21.19	17.55
11n(HT20)	CH48	21.09	17.55
11n(HT40)	CH38	40.03	36.36
11n(HT40)	CH46	40.45	36.46
11ac(VHT20)	CH36	21.22	17.54
11ac(VHT20)	CH44	21.10	17.54
11ac(VHT20)	CH48	21.09	17.52
11ac(VHT40)	CH38	40.26	36.37
11ac(VHT40)	CH46	40.21	36.40
11ac(VHT80)	CH42	83.03	76.14
11ax(HE20)(SU)	CH36	21.27	18.89
11ax(HE20)(SU)	CH44	21.28	18.90
11ax(HE20)(SU)	CH48	21.19	18.90
11ax(HE40)(SU)	CH38	39.99	37.54
11ax(HE40)(SU)	CH46	39.93	37.63
11ax(HE80)(SU)	CH42	81.93	77.25

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	21.32	17.49
11a	CH157	21.46	20.17
11a	CH165	21.17	19.89
11n(HT20)	CH149	21.48	21.10
11n(HT20)	CH157	21.22	21.35
11n(HT20)	CH165	21.22	21.05
11n(HT40)	CH151	67.39	54.09
11n(HT40)	CH159	67.50	56.27
11ac(VHT20)	CH149	21.34	21.19
11ac(VHT20)	CH157	21.46	21.36
11ac(VHT20)	CH165	21.31	21.37
11ac(VHT40)	CH151	59.16	53.63
11ac(VHT40)	CH159	68.10	53.39
11ac(VHT80)	CH155	139.20	77.41
11ax(HE20)(SU)	CH149	21.95	21.75
11ax(HE20)(SU)	CH157	22.60	21.98
11ax(HE20)(SU)	CH165	25.43	22.05
11ax(HE40)(SU)	CH151	53.15	48.92
11ax(HE40)(SU)	CH159	54.39	42.04
11ax(HE80)(SU)	CH155	110.80	77.59

SISO-ANT1

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	21.02	16.41
11a	CH44	20.86	16.39
11a	CH48	21.16	16.39
11n(HT20)	CH36	21.14	17.53
11n(HT20)	CH44	21.30	17.53
11n(HT20)	CH48	21.29	17.53
11n(HT40)	CH38	40.18	36.37
11n(HT40)	CH46	41.33	36.40
11ac(VHT20)	CH36	21.10	17.53
11ac(VHT20)	CH44	21.28	17.54
11ac(VHT20)	CH48	20.94	17.53
11ac(VHT40)	CH38	40.32	36.35
11ac(VHT40)	CH46	40.26	36.37
11ac(VHT80)	CH42	82.65	76.13
11ax(HE20)(SU)	CH36	21.15	18.92
11ax(HE20)(SU)	CH44	21.27	18.92
11ax(HE20)(SU)	CH48	21.16	18.93
11ax(HE40)(SU)	CH38	39.94	37.62
11ax(HE40)(SU)	CH46	40.09	37.59
11ax(HE80)(SU)	CH42	81.41	77.16

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	21.10	16.72
11a	CH157	21.21	16.61
11a	CH165	20.88	16.63
11n(HT20)	CH149	21.17	17.74
11n(HT20)	CH157	21.22	17.69
11n(HT20)	CH165	21.19	17.72
11n(HT40)	CH151	67.07	38.67
11n(HT40)	CH159	63.77	41.32
11ac(VHT20)	CH149	21.13	17.80
11ac(VHT20)	CH157	21.17	17.70
11ac(VHT20)	CH165	21.28	17.70
11ac(VHT40)	CH151	63.71	39.95
11ac(VHT40)	CH159	60.68	40.41
11ac(VHT80)	CH155	135.10	76.94
11ax(HE20)(SU)	CH149	21.98	19.10
11ax(HE20)(SU)	CH157	21.38	19.05
11ax(HE20)(SU)	CH165	21.34	19.03
11ax(HE40)(SU)	CH151	52.87	38.11
11ax(HE40)(SU)	CH159	52.90	38.27
11ax(HE80)(SU)	CH155	94.62	77.60

A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2570543-604 Data Part 2.pdf".

Test Data

SISO-ANT0

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.25	500.00	Pass
11a	CH157	15.15	500.00	Pass
11a	CH165	15.25	500.00	Pass
11n(HT20)	CH149	15.25	500.00	Pass
11n(HT20)	CH157	15.30	500.00	Pass
11n(HT20)	CH165	15.10	500.00	Pass
11n(HT40)	CH151	36.40	500.00	Pass
11n(HT40)	CH159	36.40	500.00	Pass
11ac(VHT20)	CH149	15.15	500.00	Pass
11ac(VHT20)	CH157	15.20	500.00	Pass
11ac(VHT20)	CH165	12.80	500.00	Pass
11ac(VHT40)	CH151	36.40	500.00	Pass
11ac(VHT40)	CH159	35.90	500.00	Pass
11ac(VHT80)	CH155	76.15	500.00	Pass
11ax(HE20)(SU)	CH149	16.30	500.00	Pass
11ax(HE20)(SU)	CH157	16.85	500.00	Pass
11ax(HE20)(SU)	CH165	17.00	500.00	Pass
11ax(HE40)(SU)	CH151	37.70	500.00	Pass
11ax(HE40)(SU)	CH159	37.65	500.00	Pass
11ax(HE80)(SU)	CH155	77.45	500.00	Pass

SISO-ANT1

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.15	500.00	Pass
11a	CH157	15.20	500.00	Pass
11a	CH165	15.25	500.00	Pass
11n(HT20)	CH149	15.20	500.00	Pass
11n(HT20)	CH157	15.25	500.00	Pass
11n(HT20)	CH165	15.25	500.00	Pass
11n(HT40)	CH151	36.40	500.00	Pass
11n(HT40)	CH159	36.35	500.00	Pass
11ac(VHT20)	CH149	15.25	500.00	Pass
11ac(VHT20)	CH157	15.20	500.00	Pass
11ac(VHT20)	CH165	15.30	500.00	Pass
11ac(VHT40)	CH151	36.40	500.00	Pass
11ac(VHT40)	CH159	36.20	500.00	Pass
11ac(VHT80)	CH155	76.40	500.00	Pass
11ax(HE20)(SU)	CH149	18.15	500.00	Pass
11ax(HE20)(SU)	CH157	18.70	500.00	Pass
11ax(HE20)(SU)	CH165	17.25	500.00	Pass
11ax(HE40)(SU)	CH151	37.70	500.00	Pass
11ax(HE40)(SU)	CH159	37.55	500.00	Pass
11ax(HE80)(SU)	CH155	77.30	500.00	Pass

A.4 Power Spectral Density

Note: Test plots please refer to the document "Annex No.: BL-SZ2570543-604 Data Part 3.pdf".

Test Data

SISO-ANT0

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	5.29	11.00	Pass
11a	CH44	5.51	11.00	Pass
11a	CH48	5.79	11.00	Pass
11n(HT20)	CH36	4.76	11.00	Pass
11n(HT20)	CH44	5.11	11.00	Pass
11n(HT20)	CH48	5.27	11.00	Pass
11n(HT40)	CH38	-1.95	11.00	Pass
11n(HT40)	CH46	-0.63	11.00	Pass
11ac(VHT20)	CH36	5.80	11.00	Pass
11ac(VHT20)	CH44	5.12	11.00	Pass
11ac(VHT20)	CH48	5.21	11.00	Pass
11ac(VHT40)	CH38	-1.76	11.00	Pass
11ac(VHT40)	CH46	0.23	11.00	Pass
11ac(VHT80)	CH42	-4.31	11.00	Pass
11ax(HE20)(SU)	CH36	3.74	11.00	Pass
11ax(HE20)(SU)	CH44	3.84	11.00	Pass
11ax(HE20)(SU)	CH48	4.24	11.00	Pass
11ax(HE40)(SU)	CH38	-1.81	11.00	Pass
11ax(HE40)(SU)	CH46	0.30	11.00	Pass
11ax(HE80)(SU)	CH42	-4.23	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	FCC Limit (dBm/500kHz)	Verdict
11a	CH149	7.58	30.00	Pass
11a	CH157	7.48	30.00	Pass
11a	CH165	7.09	30.00	Pass
11n(HT20)	CH149	7.02	30.00	Pass
11n(HT20)	CH157	6.98	30.00	Pass
11n(HT20)	CH165	7.83	30.00	Pass
11n(HT40)	CH151	0.69	30.00	Pass
11n(HT40)	CH159	1.95	30.00	Pass
11ac(VHT20)	CH149	7.05	30.00	Pass
11ac(VHT20)	CH157	6.88	30.00	Pass
11ac(VHT20)	CH165	8.10	30.00	Pass
11ac(VHT40)	CH151	0.82	30.00	Pass
11ac(VHT40)	CH159	1.94	30.00	Pass
11ac(VHT80)	CH155	-1.42	30.00	Pass
11ax(HE20)(SU)	CH149	5.24	30.00	Pass
11ax(HE20)(SU)	CH157	5.05	30.00	Pass
11ax(HE20)(SU)	CH165	6.13	30.00	Pass
11ax(HE40)(SU)	CH151	0.54	30.00	Pass
11ax(HE40)(SU)	CH159	0.75	30.00	Pass
11ax(HE80)(SU)	CH155	-1.36	30.00	Pass

SISO-ANT1

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	5.83	11.00	Pass
11a	CH44	6.17	11.00	Pass
11a	CH48	6.35	11.00	Pass
11n(HT20)	CH36	5.69	11.00	Pass
11n(HT20)	CH44	5.80	11.00	Pass
11n(HT20)	CH48	6.14	11.00	Pass
11n(HT40)	CH38	-3.23	11.00	Pass
11n(HT40)	CH46	0.04	11.00	Pass
11ac(VHT20)	CH36	4.80	11.00	Pass
11ac(VHT20)	CH44	5.92	11.00	Pass
11ac(VHT20)	CH48	6.12	11.00	Pass
11ac(VHT40)	CH38	-1.93	11.00	Pass
11ac(VHT40)	CH46	0.02	11.00	Pass
11ac(VHT80)	CH42	-5.49	11.00	Pass
11ax(HE20)(SU)	CH36	4.29	11.00	Pass
11ax(HE20)(SU)	CH44	4.52	11.00	Pass
11ax(HE20)(SU)	CH48	4.59	11.00	Pass
11ax(HE40)(SU)	CH38	-3.27	11.00	Pass
11ax(HE40)(SU)	CH46	-0.04	11.00	Pass
11ax(HE80)(SU)	CH42	-5.48	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	FCC Limit (dBm/500kHz)	Verdict
11a	CH149	3.72	30.00	Pass
11a	CH157	3.75	30.00	Pass
11a	CH165	3.33	30.00	Pass
11n(HT20)	CH149	3.50	30.00	Pass
11n(HT20)	CH157	3.22	30.00	Pass
11n(HT20)	CH165	3.10	30.00	Pass
11n(HT40)	CH151	-2.58	30.00	Pass
11n(HT40)	CH159	-2.41	30.00	Pass
11ac(VHT20)	CH149	3.43	30.00	Pass
11ac(VHT20)	CH157	3.13	30.00	Pass
11ac(VHT20)	CH165	3.06	30.00	Pass
11ac(VHT40)	CH151	-2.61	30.00	Pass
11ac(VHT40)	CH159	-2.51	30.00	Pass
11ac(VHT80)	CH155	-6.16	30.00	Pass
11ax(HE20)(SU)	CH149	1.73	30.00	Pass
11ax(HE20)(SU)	CH157	1.44	30.00	Pass
11ax(HE20)(SU)	CH165	1.29	30.00	Pass
11ax(HE40)(SU)	CH151	-2.43	30.00	Pass
11ax(HE40)(SU)	CH159	-2.69	30.00	Pass
11ax(HE80)(SU)	CH155	-6.09	30.00	Pass

MIMO

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11n(HT20)	CH36	8.26	11.00	Pass
11n(HT20)	CH44	8.48	11.00	Pass
11n(HT20)	CH48	8.74	11.00	Pass
11n(HT40)	CH38	0.47	11.00	Pass
11n(HT40)	CH46	2.73	11.00	Pass
11ac(VHT20)	CH36	8.34	11.00	Pass
11ac(VHT20)	CH44	8.55	11.00	Pass
11ac(VHT20)	CH48	8.70	11.00	Pass
11ac(VHT40)	CH38	1.17	11.00	Pass
11ac(VHT40)	CH46	3.14	11.00	Pass
11ac(VHT80)	CH42	-1.85	11.00	Pass
11ax(HE20)(SU)	CH36	7.03	11.00	Pass
11ax(HE20)(SU)	CH44	7.20	11.00	Pass
11ax(HE20)(SU)	CH48	7.43	11.00	Pass
11ax(HE40)(SU)	CH38	0.53	11.00	Pass
11ax(HE40)(SU)	CH46	3.15	11.00	Pass
11ax(HE80)(SU)	CH42	-1.80	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	FCC Limit (dBm/500kHz)	Verdict
11n(HT20)	CH149	8.62	30.00	Pass
11n(HT20)	CH157	8.50	30.00	Pass
11n(HT20)	CH165	9.09	30.00	Pass
11n(HT40)	CH151	2.36	30.00	Pass
11n(HT40)	CH159	3.31	30.00	Pass
11ac(VHT20)	CH149	8.62	30.00	Pass
11ac(VHT20)	CH157	8.41	30.00	Pass
11ac(VHT20)	CH165	9.28	30.00	Pass
11ac(VHT40)	CH151	2.45	30.00	Pass
11ac(VHT40)	CH159	3.27	30.00	Pass
11ac(VHT80)	CH155	-0.16	30.00	Pass
11ax(HE20)(SU)	CH149	6.84	30.00	Pass
11ax(HE20)(SU)	CH157	6.62	30.00	Pass
11ax(HE20)(SU)	CH165	7.36	30.00	Pass
11ax(HE40)(SU)	CH151	2.32	30.00	Pass
11ax(HE40)(SU)	CH159	2.37	30.00	Pass
11ax(HE80)(SU)	CH155	-0.10	30.00	Pass

A.5 Conducted Emissions

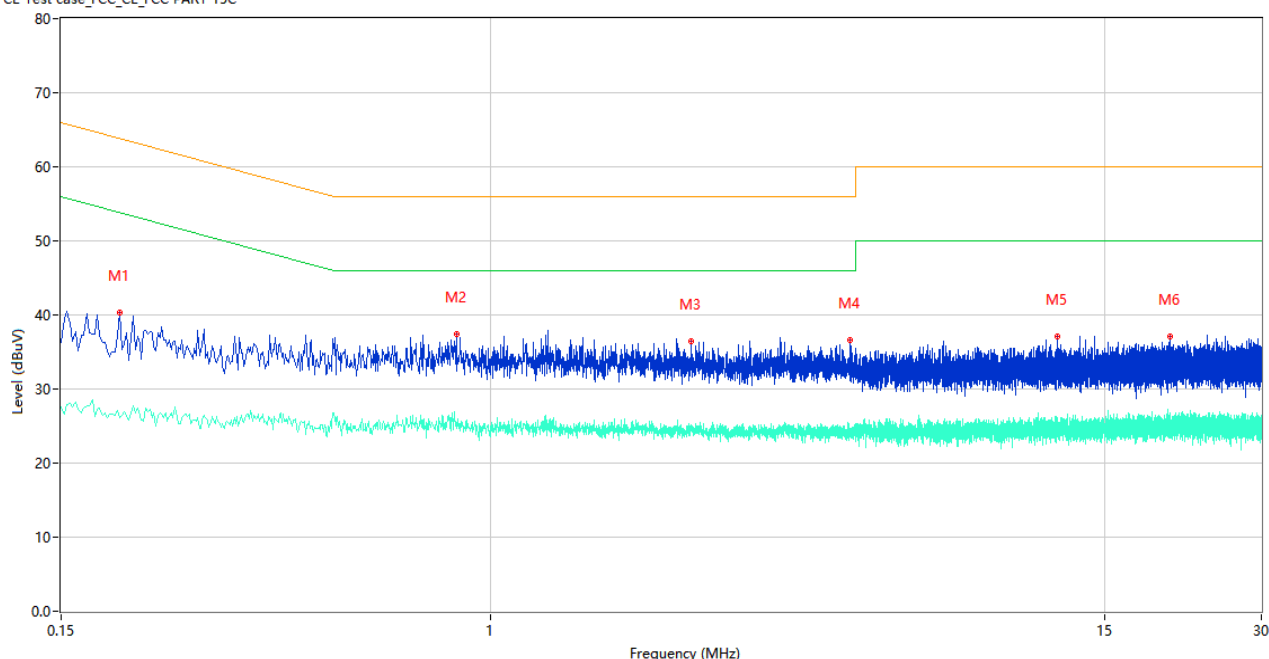
Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

Test Data and Plots

PHASE L

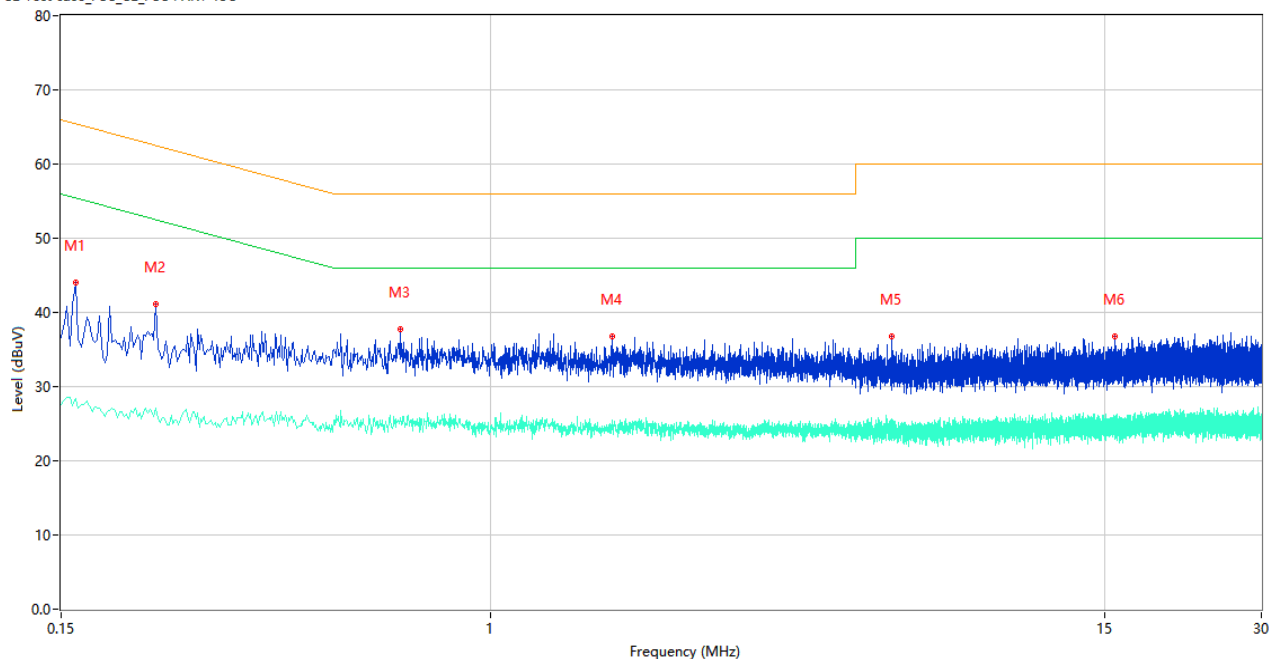
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.194	40.28	9.84	63.86	23.58	Peak	L	Pass
1**	0.194	26.20	9.84	53.86	27.66	AV	L	Pass
2	0.860	37.37	10.59	56.00	18.63	Peak	L	Pass
2**	0.860	24.90	10.59	46.00	21.10	AV	L	Pass
3	2.416	36.42	10.31	56.00	19.58	Peak	L	Pass
3**	2.416	24.66	10.31	46.00	21.34	AV	L	Pass
4	4.892	36.54	10.23	56.00	19.46	Peak	L	Pass
4**	4.892	24.71	10.23	46.00	21.29	AV	L	Pass
5	12.214	37.17	10.47	60.00	22.83	Peak	L	Pass
5**	12.214	23.85	10.47	50.00	26.15	AV	L	Pass
6	20.008	37.04	11.28	60.00	22.96	Peak	L	Pass
6**	20.008	26.78	11.28	50.00	23.22	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	0.160	44.00	9.85	65.46	21.46	Peak	N	Pass
1**	0.160	28.32	9.85	55.46	27.14	AV	N	Pass
2	0.228	41.17	9.83	62.52	21.35	Peak	N	Pass
2**	0.228	27.08	9.83	52.52	25.44	AV	N	Pass
3	0.672	37.67	10.47	56.00	18.33	Peak	N	Pass
3**	0.672	25.63	10.47	46.00	20.37	AV	N	Pass
4	1.706	36.75	10.25	56.00	19.25	Peak	N	Pass
4**	1.706	25.01	10.25	46.00	20.99	AV	N	Pass
5	5.872	36.73	10.40	60.00	23.27	Peak	N	Pass
5**	5.872	24.88	10.40	50.00	25.12	AV	N	Pass
6	15.674	36.71	10.73	60.00	23.29	Peak	N	Pass
6**	15.674	24.49	10.73	50.00	25.51	AV	N	Pass

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

Note¹: The symbol of “--” in the table which means not application.

Note²: 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.

Note³: 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.

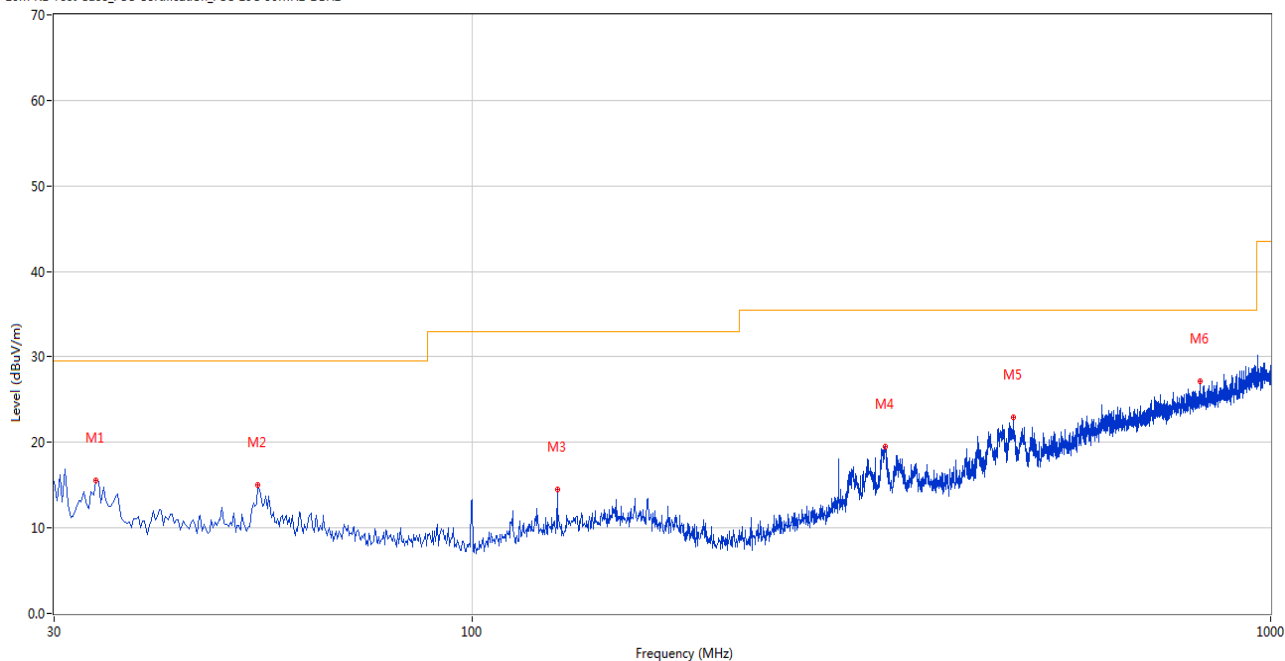
Note⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Note⁵: 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

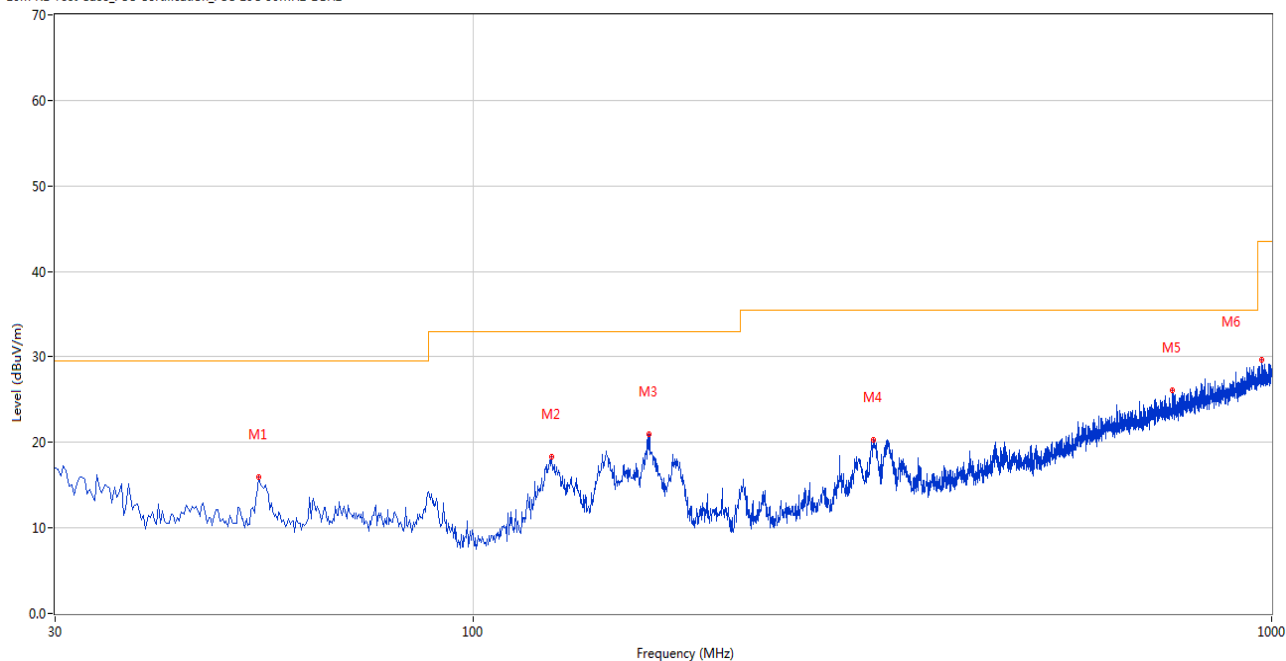
10m RE Test Case_FCC Certification_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	33.879	15.58	-26.96	29.5	13.92	Peak	0.00	200	Horizontal	Pass
2	54.002	15.05	-27.08	29.5	14.45	Peak	0.00	200	Horizontal	Pass
3	127.946	14.49	-27.47	33.0	18.51	Peak	345.00	100	Horizontal	Pass
4	329.655	19.57	-24.96	35.5	15.93	Peak	231.00	200	Horizontal	Pass
5	476.816	22.95	-20.51	35.5	12.55	Peak	193.00	200	Horizontal	Pass
6	815.019	27.21	-12.29	35.5	8.29	Peak	340.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	54.002	15.94	-27.08	29.5	13.56	Peak	25.00	200	Vertical	Pass
2	125.521	18.37	-27.75	33.0	14.63	Peak	257.00	100	Vertical	Pass
3	166.251	21.00	-26.28	33.0	12.00	Peak	290.00	100	Vertical	Pass
4	317.291	20.27	-25.18	35.5	15.23	Peak	45.00	100	Vertical	Pass
5	751.500	26.14	-13.50	35.5	9.36	Peak	0.00	200	Vertical	Pass
6	971.877	29.69	-9.36	43.5	13.81	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.

SISO-ANT1

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	1559.400	37.71	74.0	36.29	Peak	360.00	300	Horizontal	Pass
1**	1559.400	27.11	54.0	26.89	AV	360.00	300	Horizontal	Pass
2	4151.200	47.08	74.0	26.92	Peak	347.00	150	Horizontal	Pass
2**	4151.200	37.50	54.0	16.50	AV	347.00	150	Horizontal	Pass
3	5181.400	104.42	--	--	Peak	0.00	150	Horizontal	N/A
3**	5181.400	98.09	--	--	AV	0.00	150	Horizontal	N/A
4	7380.938	45.48	74.0	28.52	Peak	175.00	300	Horizontal	Pass
4**	7380.938	35.63	54.0	18.37	AV	175.00	300	Horizontal	Pass
5	12572.613	47.90	74.0	26.10	Peak	175.00	100	Horizontal	Pass
5**	12572.613	37.15	54.0	16.85	AV	175.00	100	Horizontal	Pass
6	16168.013	49.78	74.0	24.22	Peak	289.00	150	Horizontal	Pass
6**	16168.013	40.65	54.0	13.35	AV	289.00	150	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	1495.600	38.92	74.0	35.08	Peak	224.00	100	Vertical	Pass
1**	1495.600	29.80	54.0	24.20	AV	224.00	100	Vertical	Pass
2	4077.800	47.42	74.0	26.58	Peak	0.00	150	Vertical	Pass
2**	4077.800	37.62	54.0	16.38	AV	0.00	150	Vertical	Pass
3	5181.800	103.69	--	--	Peak	245.00	100	Vertical	N/A
3**	5181.800	96.44	--	--	AV	245.00	100	Vertical	N/A
4	7512.900	45.26	74.0	28.74	Peak	338.00	200	Vertical	Pass
4**	7512.900	38.39	54.0	15.61	AV	338.00	200	Vertical	Pass
5	11878.013	47.27	74.0	26.73	Peak	338.00	150	Vertical	Pass
5**	11878.013	37.58	54.0	16.42	AV	338.00	150	Vertical	Pass
6	16178.250	50.11	74.0	23.89	Peak	360.00	150	Vertical	Pass
6**	16178.250	40.88	54.0	13.12	AV	360.00	150	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	1573.800	37.25	74.0	36.75	Peak	112.00	400	Horizontal	Pass
1**	1573.800	26.94	54.0	27.06	AV	112.00	400	Horizontal	Pass
2	4079.400	47.79	74.0	26.21	Peak	147.00	100	Horizontal	Pass
2**	4079.400	37.43	54.0	16.57	AV	147.00	100	Horizontal	Pass
3	5220.800	109.05	--	--	Peak	360.00	100	Horizontal	N/A
3**	5220.800	101.99	--	--	AV	360.00	100	Horizontal	N/A
4	7518.362	45.43	74.0	28.57	Peak	360.00	100	Horizontal	Pass
4**	7518.362	36.80	54.0	17.20	AV	360.00	100	Horizontal	Pass
5	12268.438	46.98	74.0	27.02	Peak	360.00	100	Horizontal	Pass
5**	12268.438	37.60	54.0	16.40	AV	360.00	100	Horizontal	Pass
6	16039.388	51.18	74.0	22.82	Peak	156.00	200	Horizontal	Pass
6**	16039.388	40.81	54.0	13.19	AV	156.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.600	37.85	74.0	36.15	Peak	318.00	200	Vertical	Pass
1**	1498.600	28.76	54.0	25.24	AV	318.00	200	Vertical	Pass
2	4233.200	48.10	74.0	25.90	Peak	210.00	400	Vertical	Pass
2**	4233.200	38.27	54.0	15.73	AV	210.00	400	Vertical	Pass
3	5221.200	107.95	--	--	Peak	240.00	100	Vertical	N/A
3**	5221.200	100.76	--	--	AV	240.00	100	Vertical	N/A
4	7501.687	45.64	74.0	28.36	Peak	360.00	200	Vertical	Pass
4**	7501.687	37.26	54.0	16.74	AV	360.00	200	Vertical	Pass
5	12591.588	47.14	74.0	26.86	Peak	133.00	100	Vertical	Pass
5**	12591.588	37.21	54.0	16.79	AV	133.00	100	Vertical	Pass
6	16080.600	49.69	74.0	24.31	Peak	196.00	150	Vertical	Pass
6**	16080.600	41.13	54.0	12.87	AV	196.00	150	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	1585.500	36.93	74.0	37.07	Peak	30.00	300	Horizontal	Pass
1**	1585.500	28.74	54.0	25.26	AV	30.00	300	Horizontal	Pass
2	4141.600	48.53	74.0	25.47	Peak	284.00	200	Horizontal	Pass
2**	4141.600	39.24	54.0	14.76	AV	284.00	200	Horizontal	Pass
3	5239.800	109.47	--	--	Peak	45.00	100	Horizontal	N/A
3**	5239.800	102.59	--	--	AV	45.00	100	Horizontal	N/A
4	7448.787	46.59	74.0	27.41	Peak	122.00	100	Horizontal	Pass
4**	7448.787	37.29	54.0	16.71	AV	122.00	100	Horizontal	Pass
5	11909.925	47.38	74.0	26.62	Peak	145.00	150	Horizontal	Pass
5**	11909.925	38.07	54.0	15.93	AV	145.00	150	Horizontal	Pass
6	15723.338	50.51	74.0	23.49	Peak	28.00	200	Horizontal	Pass
6**	15723.338	42.09	54.0	11.91	AV	28.00	200	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	1497.500	38.83	74.0	35.17	Peak	306.00	400	Vertical	Pass
1**	1497.500	27.75	54.0	26.25	AV	306.00	400	Vertical	Pass
2	4072.400	48.28	74.0	25.72	Peak	106.00	100	Vertical	Pass
2**	4072.400	37.83	54.0	16.17	AV	106.00	100	Vertical	Pass
3	5240.800	108.80	--	--	Peak	237.00	150	Vertical	N/A
3**	5240.800	102.42	--	--	AV	237.00	150	Vertical	N/A
4	7482.138	45.95	74.0	28.05	Peak	270.00	200	Vertical	Pass
4**	7482.138	36.64	54.0	17.36	AV	270.00	200	Vertical	Pass
5	11293.813	47.46	74.0	26.54	Peak	343.00	200	Vertical	Pass
5**	11293.813	38.03	54.0	15.97	AV	343.00	200	Vertical	Pass
6	15716.250	52.48	74.0	21.52	Peak	308.00	100	Vertical	Pass
6**	15716.250	41.40	54.0	12.60	AV	308.00	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	1497.100	37.63	74.0	36.37	Peak	156.00	300	Horizontal	Pass
1**	1497.100	27.61	54.0	26.39	AV	156.00	300	Horizontal	Pass
2	4070.800	47.33	74.0	26.67	Peak	248.00	100	Horizontal	Pass
2**	4070.800	38.28	54.0	15.72	AV	248.00	100	Horizontal	Pass
3	5180.600	106.13	--	--	Peak	27.00	100	Horizontal	N/A
3**	5180.600	98.93	--	--	AV	27.00	100	Horizontal	N/A
4	7532.738	46.26	74.0	27.74	Peak	224.00	400	Horizontal	Pass
4**	7532.738	36.86	54.0	17.14	AV	224.00	400	Horizontal	Pass
5	11319.975	47.91	74.0	26.09	Peak	273.00	100	Horizontal	Pass
5**	11319.975	38.41	54.0	15.59	AV	273.00	100	Horizontal	Pass
6	15569.776	50.69	74.0	23.31	Peak	172.00	200	Horizontal	Pass
6**	15569.776	40.56	54.0	13.44	AV	172.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.200	37.77	74.0	36.23	Peak	13.00	100	Vertical	Pass
1**	1500.200	29.19	54.0	24.81	AV	13.00	100	Vertical	Pass
2	4230.000	48.18	74.0	25.82	Peak	156.00	200	Vertical	Pass
2**	4230.000	38.70	54.0	15.30	AV	156.00	200	Vertical	Pass
3	5182.000	104.25	--	--	Peak	29.00	100	Vertical	N/A
3**	5182.000	97.67	--	--	AV	29.00	100	Vertical	N/A
4	7515.200	45.97	74.0	28.03	Peak	21.00	100	Vertical	Pass
4**	7515.200	36.97	54.0	17.03	AV	21.00	100	Vertical	Pass
5	12313.287	48.23	74.0	25.77	Peak	360.00	100	Vertical	Pass
5**	12313.287	37.69	54.0	16.31	AV	360.00	100	Vertical	Pass
6	15542.213	51.94	74.0	22.06	Peak	308.00	100	Vertical	Pass
6**	15542.213	41.57	54.0	12.43	AV	308.00	100	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	1457.900	37.05	74.0	36.95	Peak	174.00	200	Horizontal	Pass
1**	1457.900	27.61	54.0	26.39	AV	174.00	200	Horizontal	Pass
2	4240.400	47.43	74.0	26.57	Peak	279.00	150	Horizontal	Pass
2**	4240.400	39.01	54.0	14.99	AV	279.00	150	Horizontal	Pass
3	5222.000	102.03	--	--	Peak	354.00	100	Horizontal	N/A
3**	5222.000	94.86	--	--	AV	354.00	100	Horizontal	N/A
4	7516.925	45.98	74.0	28.02	Peak	360.00	100	Horizontal	Pass
4**	7516.925	37.06	54.0	16.94	AV	360.00	100	Horizontal	Pass
5	11155.812	47.22	74.0	26.78	Peak	360.00	150	Horizontal	Pass
5**	11155.812	37.45	54.0	16.55	AV	360.00	150	Horizontal	Pass
6	16079.549	51.00	74.0	23.00	Peak	232.00	150	Horizontal	Pass
6**	16079.549	40.12	54.0	13.88	AV	232.00	150	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	1497.600	37.60	74.0	36.40	Peak	86.00	300	Vertical	Pass
1**	1497.600	28.53	54.0	25.47	AV	86.00	300	Vertical	Pass
2	4189.800	47.10	74.0	26.90	Peak	360.00	150	Vertical	Pass
2**	4189.800	37.99	54.0	16.01	AV	360.00	150	Vertical	Pass
3	5218.400	102.63	--	--	Peak	360.00	100	Vertical	N/A
3**	5218.400	95.44	--	--	AV	360.00	100	Vertical	N/A
4	7514.625	45.50	74.0	28.50	Peak	222.00	400	Vertical	Pass
4**	7514.625	36.74	54.0	17.26	AV	222.00	400	Vertical	Pass
5	11722.762	46.56	74.0	27.44	Peak	246.00	150	Vertical	Pass
5**	11722.762	36.42	54.0	17.58	AV	246.00	150	Vertical	Pass
6	16078.500	50.35	74.0	23.65	Peak	339.00	150	Vertical	Pass
6**	16078.500	40.19	54.0	13.81	AV	339.00	150	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	1450.800	37.16	74.0	36.84	Peak	156.00	100	Horizontal	Pass
1**	1450.800	27.20	54.0	26.80	AV	156.00	100	Horizontal	Pass
2	4232.000	48.15	74.0	25.85	Peak	59.00	150	Horizontal	Pass
2**	4232.000	39.12	54.0	14.88	AV	59.00	150	Horizontal	Pass
3	5241.200	101.32	--	--	Peak	44.00	100	Horizontal	N/A
3**	5241.200	95.45	--	--	AV	44.00	100	Horizontal	N/A
4	7567.813	46.27	74.0	27.73	Peak	49.00	400	Horizontal	Pass
4**	7567.813	36.70	54.0	17.30	AV	49.00	400	Horizontal	Pass
5	12438.638	47.02	74.0	26.98	Peak	193.00	150	Horizontal	Pass
5**	12438.638	37.06	54.0	16.94	AV	193.00	150	Horizontal	Pass
6	16074.825	49.46	74.0	24.54	Peak	104.00	150	Horizontal	Pass
6**	16074.825	41.38	54.0	12.62	AV	104.00	150	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	1497.700	38.51	74.0	35.49	Peak	241.00	400	Vertical	Pass
1**	1497.700	27.71	54.0	26.29	AV	241.00	400	Vertical	Pass
2	4126.000	47.56	74.0	26.44	Peak	360.00	150	Vertical	Pass
2**	4126.000	38.10	54.0	15.90	AV	360.00	150	Vertical	Pass
3	5239.400	103.40	--	--	Peak	360.00	200	Vertical	N/A
3**	5239.400	97.31	--	--	AV	360.00	200	Vertical	N/A
4	7606.913	45.78	74.0	28.22	Peak	0.00	100	Vertical	Pass
4**	7606.913	36.13	54.0	17.87	AV	0.00	100	Vertical	Pass
5	12498.150	47.05	74.0	26.95	Peak	37.00	150	Vertical	Pass
5**	12498.150	36.83	54.0	17.17	AV	37.00	150	Vertical	Pass
6	16012.349	49.64	74.0	24.36	Peak	80.00	150	Vertical	Pass
6**	16012.349	40.01	54.0	13.99	AV	80.00	150	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	1574.500	36.89	74.0	37.11	Peak	80.00	200	Horizontal	Pass
1**	1574.500	27.81	54.0	26.19	AV	80.00	200	Horizontal	Pass
2	3992.600	48.05	74.0	25.95	Peak	0.00	100	Horizontal	Pass
2**	3992.600	37.55	54.0	16.45	AV	0.00	100	Horizontal	Pass
3	5197.000	94.22	--	--	Peak	0.00	100	Horizontal	N/A
3**	5197.000	87.85	--	--	AV	0.00	100	Horizontal	N/A
4	7510.312	45.53	74.0	28.47	Peak	360.00	400	Horizontal	Pass
4**	7510.312	36.39	54.0	17.61	AV	360.00	400	Horizontal	Pass
5	12291.151	48.24	74.0	25.76	Peak	0.00	100	Horizontal	Pass
5**	12291.151	38.21	54.0	15.79	AV	0.00	100	Horizontal	Pass
6	16167.224	50.15	74.0	23.85	Peak	223.00	300	Horizontal	Pass
6**	16167.224	41.75	54.0	12.25	AV	223.00	300	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	1497.600	38.38	74.0	35.62	Peak	48.00	100	Vertical	Pass
1**	1497.600	27.79	54.0	26.21	AV	48.00	100	Vertical	Pass
2	4225.200	47.77	74.0	26.23	Peak	147.00	100	Vertical	Pass
2**	4225.200	38.80	54.0	15.20	AV	147.00	100	Vertical	Pass
3	5176.800	94.22	--	--	Peak	265.00	150	Vertical	N/A
3**	5176.800	87.83	--	--	AV	265.00	150	Vertical	N/A
4	7522.962	46.19	74.0	27.81	Peak	55.00	400	Vertical	Pass
4**	7522.962	37.35	54.0	16.65	AV	55.00	400	Vertical	Pass
5	12284.250	46.68	74.0	27.32	Peak	0.00	100	Vertical	Pass
5**	12284.250	37.30	54.0	16.70	AV	0.00	100	Vertical	Pass
6	15562.424	51.28	74.0	22.72	Peak	329.00	300	Vertical	Pass
6**	15562.424	41.05	54.0	12.95	AV	329.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1562.400	37.49	74.0	36.51	Peak	135.00	200	Horizontal	Pass
1**	1562.400	28.68	54.0	25.32	AV	135.00	200	Horizontal	Pass
2	4387.000	47.71	74.0	26.29	Peak	118.00	100	Horizontal	Pass
2**	4387.000	38.81	54.0	15.19	AV	118.00	100	Horizontal	Pass
3	5243.600	102.26	--	--	Peak	47.00	150	Horizontal	N/A
3**	5243.600	94.70	--	--	AV	47.00	150	Horizontal	N/A
4	7445.338	45.94	74.0	28.06	Peak	266.00	300	Horizontal	Pass
4**	7445.338	37.03	54.0	16.97	AV	266.00	300	Horizontal	Pass
5	11890.950	47.80	74.0	26.20	Peak	24.00	100	Horizontal	Pass
5**	11890.950	39.27	54.0	14.73	AV	24.00	100	Horizontal	Pass
6	15572.924	50.77	74.0	23.23	Peak	0.00	300	Horizontal	Pass
6**	15572.924	40.87	54.0	13.13	AV	0.00	300	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	1560.100	37.10	74.0	36.90	Peak	133.00	200	Vertical	Pass
1**	1560.100	27.23	54.0	26.77	AV	133.00	200	Vertical	Pass
2	3691.800	47.74	74.0	26.26	Peak	208.00	400	Vertical	Pass
2**	3691.800	37.41	54.0	16.59	AV	208.00	400	Vertical	Pass
3	5225.400	103.43	--	--	Peak	260.00	100	Vertical	N/A
3**	5225.400	96.64	--	--	AV	260.00	100	Vertical	N/A
4	7432.400	46.03	74.0	27.97	Peak	0.00	300	Vertical	Pass
4**	7432.400	36.85	54.0	17.15	AV	0.00	300	Vertical	Pass
5	11938.962	47.54	74.0	26.46	Peak	269.00	100	Vertical	Pass
5**	11938.962	37.56	54.0	16.44	AV	269.00	100	Vertical	Pass
6	16015.762	49.65	74.0	24.35	Peak	212.00	400	Vertical	Pass
6**	16015.762	40.33	54.0	13.67	AV	212.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.300	37.06	74.0	36.94	Peak	74.00	200	Horizontal	Pass
1**	1499.300	28.11	54.0	25.89	AV	74.00	200	Horizontal	Pass
2	4135.400	48.69	74.0	25.31	Peak	237.00	300	Horizontal	Pass
2**	4135.400	37.58	54.0	16.42	AV	237.00	300	Horizontal	Pass
3	5179.000	107.34	--	--	Peak	28.00	100	Horizontal	N/A
3**	5179.000	100.02	--	--	AV	28.00	100	Horizontal	N/A
4	7388.412	45.90	74.0	28.10	Peak	21.00	100	Horizontal	Pass
4**	7388.412	36.39	54.0	17.61	AV	21.00	100	Horizontal	Pass
5	11900.151	47.34	74.0	26.66	Peak	195.00	200	Horizontal	Pass
5**	11900.151	39.11	54.0	14.89	AV	195.00	200	Horizontal	Pass
6	15572.924	50.70	74.0	23.30	Peak	62.00	100	Horizontal	Pass
6**	15572.924	41.10	54.0	12.90	AV	62.00	100	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	1496.600	38.66	74.0	35.34	Peak	39.00	400	Vertical	Pass
1**	1496.600	29.45	54.0	24.55	AV	39.00	400	Vertical	Pass
2	4390.400	48.07	74.0	25.93	Peak	172.00	200	Vertical	Pass
2**	4390.400	38.63	54.0	15.37	AV	172.00	200	Vertical	Pass
3	5180.400	106.45	--	--	Peak	252.00	100	Vertical	N/A
3**	5180.400	100.70	--	--	AV	252.00	100	Vertical	N/A
4	7403.650	45.47	74.0	28.53	Peak	360.00	300	Vertical	Pass
4**	7403.650	36.87	54.0	17.13	AV	360.00	300	Vertical	Pass
5	11301.000	47.21	74.0	26.79	Peak	194.00	100	Vertical	Pass
5**	11301.000	37.63	54.0	16.37	AV	194.00	100	Vertical	Pass
6	16029.150	49.99	74.0	24.01	Peak	0.00	150	Vertical	Pass
6**	16029.150	40.34	54.0	13.66	AV	0.00	150	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	1457.800	38.24	74.0	35.76	Peak	293.00	300	Horizontal	Pass
1**	1457.800	28.16	54.0	25.84	AV	293.00	300	Horizontal	Pass
2	3927.400	47.85	74.0	26.15	Peak	1.00	100	Horizontal	Pass
2**	3927.400	39.18	54.0	14.82	AV	1.00	100	Horizontal	Pass
3	5226.400	99.19	--	--	Peak	332.00	200	Horizontal	N/A
3**	5226.400	92.18	--	--	AV	332.00	200	Horizontal	N/A
4	7391.000	45.64	74.0	28.36	Peak	46.00	200	Horizontal	Pass
4**	7391.000	35.96	54.0	18.04	AV	46.00	200	Horizontal	Pass
5	11901.300	47.65	74.0	26.35	Peak	143.00	100	Horizontal	Pass
5**	11901.300	38.66	54.0	15.34	AV	143.00	100	Horizontal	Pass
6	15582.113	49.25	74.0	24.75	Peak	360.00	200	Horizontal	Pass
6**	15582.113	41.71	54.0	12.29	AV	360.00	200	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	1457.900	37.05	74.0	36.95	Peak	174.00	200	Vertical	Pass
1**	1457.900	27.61	54.0	26.39	AV	174.00	200	Vertical	Pass
2	4065.000	47.81	74.0	26.19	Peak	116.00	150	Vertical	Pass
2**	4065.000	37.89	54.0	16.11	AV	116.00	150	Vertical	Pass
3	5222.000	102.03	--	--	Peak	354.00	150	Vertical	N/A
3**	5222.000	94.86	--	--	AV	354.00	150	Vertical	N/A
4	7516.925	45.98	74.0	28.02	Peak	360.00	400	Vertical	Pass
4**	7516.925	37.06	54.0	16.94	AV	360.00	400	Vertical	Pass
5	11155.812	47.22	74.0	26.78	Peak	360.00	150	Vertical	Pass
5**	11155.812	37.45	54.0	16.55	AV	360.00	150	Vertical	Pass
6	16079.549	51.00	74.0	23.00	Peak	232.00	150	Vertical	Pass
6**	16079.549	40.12	54.0	13.88	AV	232.00	150	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	1576.200	37.46	74.0	36.54	Peak	297.00	400	Horizontal	Pass
1**	1576.200	28.15	54.0	25.85	AV	297.00	400	Horizontal	Pass
2	4053.800	47.73	74.0	26.27	Peak	285.00	400	Horizontal	Pass
2**	4053.800	38.50	54.0	15.50	AV	285.00	400	Horizontal	Pass
3	5241.000	106.70	--	--	Peak	34.00	150	Horizontal	N/A
3**	5241.000	100.90	--	--	AV	34.00	150	Horizontal	N/A
4	7445.625	45.66	74.0	28.34	Peak	216.00	300	Horizontal	Pass
4**	7445.625	37.14	54.0	16.86	AV	216.00	300	Horizontal	Pass
5	12597.338	47.65	74.0	26.35	Peak	289.00	150	Horizontal	Pass
5**	12597.338	38.04	54.0	15.96	AV	289.00	150	Horizontal	Pass
6	15580.537	50.04	74.0	23.96	Peak	12.00	300	Horizontal	Pass
6**	15580.537	41.27	54.0	12.73	AV	12.00	300	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	1497.900	37.86	74.0	36.14	Peak	217.00	400	Vertical	Pass
1**	1497.900	28.00	54.0	26.00	AV	217.00	400	Vertical	Pass
2	4066.800	48.43	74.0	25.57	Peak	348.00	100	Vertical	Pass
2**	4066.800	38.10	54.0	15.90	AV	348.00	100	Vertical	Pass
3	5241.200	105.87	--	--	Peak	222.00	100	Vertical	N/A
3**	5241.200	100.83	--	--	AV	222.00	100	Vertical	N/A
4	7528.712	45.98	74.0	28.02	Peak	215.00	400	Vertical	Pass
4**	7528.712	37.31	54.0	16.69	AV	215.00	400	Vertical	Pass
5	12600.787	47.15	74.0	26.85	Peak	143.00	200	Vertical	Pass
5**	12600.787	38.23	54.0	15.77	AV	143.00	200	Vertical	Pass
6	15719.400	50.08	74.0	23.92	Peak	12.00	400	Vertical	Pass
6**	15719.400	41.38	54.0	12.62	AV	12.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1492.400	37.37	74.0	36.63	Peak	349.00	300	Horizontal	Pass
1**	1492.400	27.87	54.0	26.13	AV	349.00	300	Horizontal	Pass
2	4380.200	47.65	74.0	26.35	Peak	258.00	300	Horizontal	Pass
2**	4380.200	39.07	54.0	14.93	AV	258.00	300	Horizontal	Pass
3	5196.200	96.64	--	--	Peak	349.00	200	Horizontal	N/A
3**	5196.200	89.05	--	--	AV	349.00	200	Horizontal	N/A
4	7636.237	45.47	74.0	28.53	Peak	360.00	400	Horizontal	Pass
4**	7636.237	36.16	54.0	17.84	AV	360.00	400	Horizontal	Pass
5	12477.737	47.66	74.0	26.34	Peak	293.00	100	Horizontal	Pass
5**	12477.737	38.14	54.0	15.86	AV	293.00	100	Horizontal	Pass
6	15801.300	49.88	74.0	24.12	Peak	281.00	150	Horizontal	Pass
6**	15801.300	40.85	54.0	13.15	AV	281.00	150	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	1496.200	37.98	74.0	36.02	Peak	251.00	300	Vertical	Pass
1**	1496.200	27.24	54.0	26.76	AV	251.00	300	Vertical	Pass
2	3990.800	47.87	74.0	26.13	Peak	57.00	100	Vertical	Pass
2**	3990.800	37.82	54.0	16.18	AV	57.00	100	Vertical	Pass
3	5196.200	95.51	--	--	Peak	250.00	150	Vertical	N/A
3**	5196.200	89.13	--	--	AV	250.00	150	Vertical	N/A
4	7444.475	45.48	74.0	28.52	Peak	190.00	400	Vertical	Pass
4**	7444.475	36.06	54.0	17.94	AV	190.00	400	Vertical	Pass
5	12602.225	47.58	74.0	26.42	Peak	141.00	100	Vertical	Pass
5**	12602.225	38.26	54.0	15.74	AV	141.00	100	Vertical	Pass
6	16159.875	50.82	74.0	23.18	Peak	0.00	150	Vertical	Pass
6**	16159.875	41.01	54.0	12.99	AV	0.00	150	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	1507.100	37.86	74.0	36.14	Peak	176.00	100	Horizontal	Pass
1**	1507.100	27.80	54.0	26.20	AV	176.00	100	Horizontal	Pass
2	4151.600	48.09	74.0	25.91	Peak	113.00	200	Horizontal	Pass
2**	4151.600	38.42	54.0	15.58	AV	113.00	200	Horizontal	Pass
3	5236.200	99.20	--	--	Peak	348.00	100	Horizontal	N/A
3**	5236.200	91.43	--	--	AV	348.00	100	Horizontal	N/A
4	7568.100	45.35	74.0	28.65	Peak	117.00	400	Horizontal	Pass
4**	7568.100	36.67	54.0	17.33	AV	117.00	400	Horizontal	Pass
5	12598.487	47.11	74.0	26.89	Peak	309.00	100	Horizontal	Pass
5**	12598.487	37.74	54.0	16.26	AV	309.00	100	Horizontal	Pass
6	16056.974	50.84	74.0	23.16	Peak	360.00	100	Horizontal	Pass
6**	16056.974	40.79	54.0	13.21	AV	360.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.800	38.05	74.0	35.95	Peak	262.00	100	Vertical	Pass
1**	1495.800	29.82	54.0	24.18	AV	262.00	100	Vertical	Pass
2	4238.600	48.44	74.0	25.56	Peak	360.00	300	Vertical	Pass
2**	4238.600	38.42	54.0	15.58	AV	360.00	300	Vertical	Pass
3	5214.000	97.18	--	--	Peak	333.00	150	Vertical	N/A
3**	5214.000	90.06	--	--	AV	333.00	150	Vertical	N/A
4	7483.575	45.42	74.0	28.58	Peak	295.00	400	Vertical	Pass
4**	7483.575	37.45	54.0	16.55	AV	295.00	400	Vertical	Pass
5	12602.225	47.33	74.0	26.67	Peak	243.00	200	Vertical	Pass
5**	12602.225	37.40	54.0	16.60	AV	243.00	200	Vertical	Pass
6	15674.776	51.53	74.0	22.47	Peak	335.00	400	Vertical	Pass
6**	15674.776	42.59	54.0	11.41	AV	335.00	400	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	1483.100	37.10	74.0	36.90	Peak	136.00	300	Horizontal	Pass
1**	1483.100	28.28	54.0	25.72	AV	136.00	300	Horizontal	Pass
2	4353.600	47.85	74.0	26.15	Peak	177.00	300	Horizontal	Pass
2**	4353.600	37.37	54.0	16.63	AV	177.00	300	Horizontal	Pass
3	5238.800	93.96	--	--	Peak	315.00	150	Horizontal	N/A
3**	5238.800	86.83	--	--	AV	315.00	150	Horizontal	N/A
4	7510.888	45.87	74.0	28.13	Peak	269.00	100	Horizontal	Pass
4**	7510.888	36.43	54.0	17.57	AV	269.00	100	Horizontal	Pass
5	12581.812	47.31	74.0	26.69	Peak	269.00	100	Horizontal	Pass
5**	12581.812	37.19	54.0	16.81	AV	269.00	100	Horizontal	Pass
6	15787.388	50.22	74.0	23.78	Peak	52.00	300	Horizontal	Pass
6**	15787.388	41.86	54.0	12.14	AV	52.00	300	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	1496.600	38.48	74.0	35.52	Peak	55.00	400	Vertical	Pass
1**	1496.600	30.00	54.0	24.00	AV	55.00	400	Vertical	Pass
2	4378.000	48.15	74.0	25.85	Peak	16.00	300	Vertical	Pass
2**	4378.000	38.54	54.0	15.46	AV	16.00	300	Vertical	Pass
3	5238.600	94.23	--	--	Peak	346.00	150	Vertical	N/A
3**	5238.600	86.64	--	--	AV	346.00	150	Vertical	N/A
4	7518.650	45.56	74.0	28.44	Peak	360.00	400	Vertical	Pass
4**	7518.650	36.72	54.0	17.28	AV	360.00	400	Vertical	Pass
5	11275.412	47.67	74.0	26.33	Peak	0.00	150	Vertical	Pass
5**	11275.412	37.63	54.0	16.37	AV	0.00	150	Vertical	Pass
6	15811.276	50.59	74.0	23.41	Peak	67.00	300	Vertical	Pass
6**	15811.276	40.66	54.0	13.34	AV	67.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.600	40.53	74.0	33.47	Peak	100.00	400	Horizontal	Pass
1**	1327.600	27.87	54.0	26.13	AV	100.00	400	Horizontal	Pass
2	3902.800	47.47	74.0	26.53	Peak	153.00	150	Horizontal	Pass
2**	3902.800	38.14	54.0	15.86	AV	153.00	150	Horizontal	Pass
3	4965.200	49.61	74.0	24.39	Peak	0.00	200	Horizontal	Pass
3**	4965.200	41.52	54.0	12.48	AV	0.00	200	Horizontal	Pass
4	5179.600	106.43	--	--	Peak	48.00	300	Horizontal	N/A
4**	5179.600	99.62	--	--	AV	48.00	300	Horizontal	N/A
5	11886.638	47.93	74.0	26.07	Peak	176.00	200	Horizontal	Pass
5**	11886.638	38.35	54.0	15.65	AV	176.00	200	Horizontal	Pass
6	15630.151	50.08	74.0	23.92	Peak	90.00	150	Horizontal	Pass
6**	15630.151	40.67	54.0	13.33	AV	90.00	150	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	1457.700	36.89	74.0	37.11	Peak	117.00	400	Vertical	Pass
1**	1457.700	27.93	54.0	26.07	AV	117.00	400	Vertical	Pass
2	4235.200	47.90	74.0	26.10	Peak	156.00	150	Vertical	Pass
2**	4235.200	38.53	54.0	15.47	AV	156.00	150	Vertical	Pass
3	5178.800	104.36	--	--	Peak	332.00	150	Vertical	N/A
3**	5178.800	96.01	--	--	AV	332.00	150	Vertical	N/A
4	7561.487	45.12	74.0	28.88	Peak	308.00	100	Vertical	Pass
4**	7561.487	37.04	54.0	16.96	AV	308.00	100	Vertical	Pass
5	12335.425	47.59	74.0	26.41	Peak	186.00	100	Vertical	Pass
5**	12335.425	37.47	54.0	16.53	AV	186.00	100	Vertical	Pass
6	15803.924	50.69	74.0	23.31	Peak	261.00	150	Vertical	Pass
6**	15803.924	40.50	54.0	13.50	AV	261.00	150	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	1494.600	38.25	74.0	35.75	Peak	94.00	200	Horizontal	Pass
1**	1494.600	27.85	54.0	26.15	AV	94.00	200	Horizontal	Pass
2	4312.000	48.10	74.0	25.90	Peak	113.00	200	Horizontal	Pass
2**	4312.000	38.34	54.0	15.66	AV	113.00	200	Horizontal	Pass
3	5220.800	108.86	--	--	Peak	360.00	100	Horizontal	N/A
3**	5220.800	99.49	--	--	AV	360.00	100	Horizontal	N/A
4	7483.575	46.12	74.0	27.88	Peak	0.00	300	Horizontal	Pass
4**	7483.575	36.91	54.0	17.09	AV	0.00	300	Horizontal	Pass
5	11900.438	47.06	74.0	26.94	Peak	0.00	100	Horizontal	Pass
5**	11900.438	38.38	54.0	15.62	AV	0.00	100	Horizontal	Pass
6	15819.938	49.75	74.0	24.25	Peak	257.00	200	Horizontal	Pass
6**	15819.938	39.90	54.0	14.10	AV	257.00	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	1562.000	37.80	74.0	36.20	Peak	157.00	100	Vertical	Pass
1**	1562.000	28.11	54.0	25.89	AV	157.00	100	Vertical	Pass
2	4054.400	47.71	74.0	26.29	Peak	176.00	200	Vertical	Pass
2**	4054.400	37.80	54.0	16.20	AV	176.00	200	Vertical	Pass
3	5220.600	107.82	--	--	Peak	222.00	200	Vertical	N/A
3**	5220.600	99.41	--	--	AV	222.00	200	Vertical	N/A
4	7504.275	46.16	74.0	27.84	Peak	217.00	400	Vertical	Pass
4**	7504.275	36.65	54.0	17.35	AV	217.00	400	Vertical	Pass
5	11943.850	47.71	74.0	26.29	Peak	168.00	200	Vertical	Pass
5**	11943.850	38.07	54.0	15.93	AV	168.00	200	Vertical	Pass
6	16035.450	49.79	74.0	24.21	Peak	10.00	100	Vertical	Pass
6**	16035.450	40.25	54.0	13.75	AV	10.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.800	37.51	74.0	36.49	Peak	109.00	200	Horizontal	Pass
1**	1495.800	28.10	54.0	25.90	AV	109.00	200	Horizontal	Pass
2	4011.800	47.48	74.0	26.52	Peak	143.00	200	Horizontal	Pass
2**	4011.800	37.68	54.0	16.32	AV	143.00	200	Horizontal	Pass
3	5241.800	108.10	--	--	Peak	54.00	150	Horizontal	N/A
3**	5241.800	101.04	--	--	AV	54.00	150	Horizontal	N/A
4	7381.225	45.99	74.0	28.01	Peak	117.00	100	Horizontal	Pass
4**	7381.225	37.55	54.0	16.45	AV	117.00	100	Horizontal	Pass
5	11938.675	47.90	74.0	26.10	Peak	334.00	150	Horizontal	Pass
5**	11938.675	37.62	54.0	16.38	AV	334.00	150	Horizontal	Pass
6	15566.625	50.64	74.0	23.36	Peak	28.00	200	Horizontal	Pass
6**	15566.625	40.37	54.0	13.63	AV	28.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.100	39.30	74.0	34.70	Peak	24.00	400	Vertical	Pass
1**	1495.100	31.30	54.0	22.70	AV	24.00	400	Vertical	Pass
2	4231.600	47.79	74.0	26.21	Peak	118.00	200	Vertical	Pass
2**	4231.600	38.64	54.0	15.36	AV	118.00	200	Vertical	Pass
3	5240.000	105.41	--	--	Peak	273.00	100	Vertical	N/A
3**	5240.000	98.95	--	--	AV	273.00	100	Vertical	N/A
4	7440.450	45.74	74.0	28.26	Peak	279.00	300	Vertical	Pass
4**	7440.450	36.96	54.0	17.04	AV	279.00	300	Vertical	Pass
5	11923.151	47.04	74.0	26.96	Peak	250.00	150	Vertical	Pass
5**	11923.151	37.43	54.0	16.57	AV	250.00	150	Vertical	Pass
6	15573.450	49.87	74.0	24.13	Peak	360.00	150	Vertical	Pass
6**	15573.450	41.68	54.0	12.32	AV	360.00	150	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	1617.300	38.72	74.0	35.28	Peak	70.00	300	Horizontal	Pass
1**	1617.300	27.87	54.0	26.13	AV	70.00	300	Horizontal	Pass
2	4233.400	47.58	74.0	26.42	Peak	0.00	100	Horizontal	Pass
2**	4233.400	39.75	54.0	14.25	AV	0.00	100	Horizontal	Pass
3	5205.200	101.70	--	--	Peak	66.00	100	Horizontal	N/A
3**	5205.200	92.58	--	--	AV	66.00	100	Horizontal	N/A
4	7442.750	45.81	74.0	28.19	Peak	201.00	400	Horizontal	Pass
4**	7442.750	36.90	54.0	17.10	AV	201.00	400	Horizontal	Pass
5	11898.424	47.45	74.0	26.55	Peak	97.00	200	Horizontal	Pass
5**	11898.424	38.46	54.0	15.54	AV	97.00	200	Horizontal	Pass
6	16145.700	51.00	74.0	23.00	Peak	174.00	300	Horizontal	Pass
6**	16145.700	40.26	54.0	13.74	AV	174.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.900	39.35	74.0	34.65	Peak	282.00	200	Vertical	Pass
1**	1499.900	29.11	54.0	24.89	AV	282.00	200	Vertical	Pass
2	4365.400	47.63	74.0	26.37	Peak	360.00	400	Vertical	Pass
2**	4365.400	37.78	54.0	16.22	AV	360.00	400	Vertical	Pass
3	5202.800	101.15	--	--	Peak	238.00	100	Vertical	N/A
3**	5202.800	91.99	--	--	AV	238.00	100	Vertical	N/A
4	7445.913	46.42	74.0	27.58	Peak	336.00	300	Vertical	Pass
4**	7445.913	37.03	54.0	16.97	AV	336.00	300	Vertical	Pass
5	11775.662	47.89	74.0	26.11	Peak	0.00	150	Vertical	Pass
5**	11775.662	37.35	54.0	16.65	AV	0.00	150	Vertical	Pass
6	16165.387	50.04	74.0	23.96	Peak	27.00	300	Vertical	Pass
6**	16165.387	39.80	54.0	14.20	AV	27.00	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	1441.600	37.16	74.0	36.84	Peak	173.00	100	Horizontal	Pass
1**	1441.600	28.22	54.0	25.78	AV	173.00	100	Horizontal	Pass
2	4264.200	47.94	74.0	26.06	Peak	15.00	200	Horizontal	Pass
2**	4264.200	37.44	54.0	16.56	AV	15.00	200	Horizontal	Pass
3	5232.600	104.76	--	--	Peak	48.00	150	Horizontal	N/A
3**	5232.600	95.29	--	--	AV	48.00	150	Horizontal	N/A
4	7531.013	46.18	74.0	27.82	Peak	310.00	100	Horizontal	Pass
4**	7531.013	36.66	54.0	17.34	AV	310.00	100	Horizontal	Pass
5	12495.275	47.83	74.0	26.17	Peak	204.00	150	Horizontal	Pass
5**	12495.275	37.55	54.0	16.45	AV	204.00	150	Horizontal	Pass
6	15562.687	50.03	74.0	23.97	Peak	56.00	100	Horizontal	Pass
6**	15562.687	40.93	54.0	13.07	AV	56.00	100	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	1506.300	37.60	74.0	36.40	Peak	155.00	100	Vertical	Pass
1**	1506.300	27.68	54.0	26.32	AV	155.00	100	Vertical	Pass
2	4228.800	48.12	74.0	25.88	Peak	65.00	300	Vertical	Pass
2**	4228.800	37.75	54.0	16.25	AV	65.00	300	Vertical	Pass
3	5235.600	103.60	--	--	Peak	234.00	150	Vertical	N/A
3**	5235.600	95.76	--	--	AV	234.00	150	Vertical	N/A
4	7431.538	46.54	74.0	27.46	Peak	230.00	200	Vertical	Pass
4**	7431.538	36.16	54.0	17.84	AV	230.00	200	Vertical	Pass
5	12471.125	47.35	74.0	26.65	Peak	311.00	100	Vertical	Pass
5**	12471.125	38.56	54.0	15.44	AV	311.00	100	Vertical	Pass
6	15524.888	49.91	74.0	24.09	Peak	29.00	100	Vertical	Pass
6**	15524.888	40.17	54.0	13.83	AV	29.00	100	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	1486.000	37.99	74.0	36.01	Peak	221.00	100	Horizontal	Pass
1**	1486.000	28.40	54.0	25.60	AV	221.00	100	Horizontal	Pass
2	4307.200	47.20	74.0	26.80	Peak	151.00	200	Horizontal	Pass
2**	4307.200	39.00	54.0	15.00	AV	151.00	200	Horizontal	Pass
3	5242.000	102.27	--	--	Peak	31.00	150	Horizontal	N/A
3**	5242.000	91.02	--	--	AV	31.00	150	Horizontal	N/A
4	7484.725	45.72	74.0	28.28	Peak	125.00	400	Horizontal	Pass
4**	7484.725	37.04	54.0	16.96	AV	125.00	400	Horizontal	Pass
5	11305.888	47.40	74.0	26.60	Peak	99.00	150	Horizontal	Pass
5**	11305.888	37.84	54.0	16.16	AV	99.00	150	Horizontal	Pass
6	15895.800	50.25	74.0	23.75	Peak	360.00	400	Horizontal	Pass
6**	15895.800	40.06	54.0	13.94	AV	360.00	400	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	1495.600	37.67	74.0	36.33	Peak	40.00	300	Vertical	Pass
1**	1495.600	28.62	54.0	25.38	AV	40.00	300	Vertical	Pass
2	4386.200	47.54	74.0	26.46	Peak	360.00	100	Vertical	Pass
2**	4386.200	39.89	54.0	14.11	AV	360.00	100	Vertical	Pass
3	5197.600	99.04	--	--	Peak	271.00	200	Vertical	N/A
3**	5197.600	90.43	--	--	AV	271.00	200	Vertical	N/A
4	7425.787	45.68	74.0	28.32	Peak	258.00	200	Vertical	Pass
4**	7425.787	35.66	54.0	18.34	AV	258.00	200	Vertical	Pass
5	11890.662	47.52	74.0	26.48	Peak	258.00	200	Vertical	Pass
5**	11890.662	38.91	54.0	15.09	AV	258.00	200	Vertical	Pass
6	15512.813	50.59	74.0	23.41	Peak	114.00	100	Vertical	Pass
6**	15512.813	41.32	54.0	12.68	AV	114.00	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	1609.800	37.45	74.0	36.55	Peak	103.00	400	Horizontal	Pass
1**	1609.800	27.35	54.0	26.65	AV	103.00	400	Horizontal	Pass
2	4366.000	47.61	74.0	26.39	Peak	214.00	400	Horizontal	Pass
2**	4366.000	37.73	54.0	16.27	AV	214.00	400	Horizontal	Pass
3	5744.200	112.68	--	--	Peak	0.00	100	Horizontal	N/A
3**	5744.200	105.59	--	--	AV	0.00	100	Horizontal	N/A
4	7529.000	46.20	74.0	27.80	Peak	325.00	100	Horizontal	Pass
4**	7529.000	37.32	54.0	16.68	AV	325.00	100	Horizontal	Pass
5	11893.250	47.29	74.0	26.71	Peak	0.00	150	Horizontal	Pass
5**	11893.250	38.75	54.0	15.25	AV	0.00	150	Horizontal	Pass
6	15594.188	50.77	74.0	23.23	Peak	317.00	300	Horizontal	Pass
6**	15594.188	39.80	54.0	14.20	AV	317.00	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	1621.300	37.38	74.0	36.62	Peak	137.00	400	Vertical	Pass
1**	1621.300	27.94	54.0	26.06	AV	137.00	400	Vertical	Pass
2	4065.200	47.67	74.0	26.33	Peak	116.00	200	Vertical	Pass
2**	4065.200	38.59	54.0	15.41	AV	116.00	200	Vertical	Pass
3	5745.400	110.61	--	--	Peak	360.00	100	Vertical	N/A
3**	5745.400	103.14	--	--	AV	360.00	100	Vertical	N/A
4	7509.737	45.97	74.0	28.03	Peak	24.00	200	Vertical	Pass
4**	7509.737	36.66	54.0	17.34	AV	24.00	200	Vertical	Pass
5	11898.138	47.21	74.0	26.79	Peak	49.00	200	Vertical	Pass
5**	11898.138	38.95	54.0	15.05	AV	49.00	200	Vertical	Pass
6	15581.850	49.73	74.0	24.27	Peak	291.00	400	Vertical	Pass
6**	15581.850	40.55	54.0	13.45	AV	291.00	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	1461.500	37.43	74.0	36.57	Peak	91.00	400	Horizontal	Pass
1**	1461.500	27.48	54.0	26.52	AV	91.00	400	Horizontal	Pass
2	4132.400	47.11	74.0	26.89	Peak	314.00	150	Horizontal	Pass
2**	4132.400	38.29	54.0	15.71	AV	314.00	150	Horizontal	Pass
3	5784.400	113.46	--	--	Peak	0.00	150	Horizontal	N/A
3**	5784.400	106.95	--	--	AV	0.00	150	Horizontal	N/A
4	7446.775	46.38	74.0	27.62	Peak	360.00	100	Horizontal	Pass
4**	7446.775	36.98	54.0	17.02	AV	360.00	100	Horizontal	Pass
5	11295.825	47.24	74.0	26.76	Peak	1.00	150	Horizontal	Pass
5**	11295.825	37.57	54.0	16.43	AV	1.00	150	Horizontal	Pass
6	15834.112	49.97	74.0	24.03	Peak	338.00	100	Horizontal	Pass
6**	15834.112	39.16	54.0	14.84	AV	338.00	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	1504.800	37.88	74.0	36.12	Peak	360.00	300	Vertical	Pass
1**	1504.800	27.85	54.0	26.15	AV	360.00	300	Vertical	Pass
2	4243.600	47.67	74.0	26.33	Peak	0.00	400	Vertical	Pass
2**	4243.600	37.42	54.0	16.58	AV	0.00	400	Vertical	Pass
3	5786.200	111.25	--	--	Peak	360.00	100	Vertical	N/A
3**	5786.200	104.60	--	--	AV	360.00	100	Vertical	N/A
4	7482.138	45.98	74.0	28.02	Peak	360.00	400	Vertical	Pass
4**	7482.138	36.63	54.0	17.37	AV	360.00	400	Vertical	Pass
5	12560.825	47.47	74.0	26.53	Peak	0.00	150	Vertical	Pass
5**	12560.825	37.91	54.0	16.09	AV	0.00	150	Vertical	Pass
6	15747.750	49.79	74.0	24.21	Peak	213.00	300	Vertical	Pass
6**	15747.750	40.16	54.0	13.84	AV	213.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1478.300	37.69	74.0	36.31	Peak	15.00	300	Horizontal	Pass
1**	1478.300	26.77	54.0	27.23	AV	15.00	300	Horizontal	Pass
2	4311.800	47.61	74.0	26.39	Peak	168.00	100	Horizontal	Pass
2**	4311.800	37.68	54.0	16.32	AV	168.00	100	Horizontal	Pass
3	5826.000	109.08	--	--	Peak	36.00	150	Horizontal	N/A
3**	5826.000	101.13	--	--	AV	36.00	150	Horizontal	N/A
4	7523.537	45.66	74.0	28.34	Peak	0.00	100	Horizontal	Pass
4**	7523.537	36.73	54.0	17.27	AV	0.00	100	Horizontal	Pass
5	12626.950	47.10	74.0	26.90	Peak	334.00	200	Horizontal	Pass
5**	12626.950	37.18	54.0	16.82	AV	334.00	200	Horizontal	Pass
6	16176.412	49.80	74.0	24.20	Peak	292.00	200	Horizontal	Pass
6**	16176.412	40.55	54.0	13.45	AV	292.00	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	1484.600	37.33	74.0	36.67	Peak	343.00	200	Vertical	Pass
1**	1484.600	27.87	54.0	26.13	AV	343.00	200	Vertical	Pass
2	3675.000	47.65	74.0	26.35	Peak	102.00	400	Vertical	Pass
2**	3675.000	37.79	54.0	16.21	AV	102.00	400	Vertical	Pass
3	5824.600	109.94	--	--	Peak	338.00	150	Vertical	N/A
3**	5824.600	101.86	--	--	AV	338.00	150	Vertical	N/A
4	7365.125	46.72	74.0	27.28	Peak	296.00	400	Vertical	Pass
4**	7365.125	36.82	54.0	17.18	AV	296.00	400	Vertical	Pass
5	12474.575	47.72	74.0	26.28	Peak	360.00	100	Vertical	Pass
5**	12474.575	38.49	54.0	15.51	AV	360.00	100	Vertical	Pass
6	15590.776	49.59	74.0	24.41	Peak	322.00	300	Vertical	Pass
6**	15590.776	39.57	54.0	14.43	AV	322.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.100	38.87	74.0	35.13	Peak	248.00	100	Horizontal	Pass
1**	1512.100	30.96	54.0	23.04	AV	248.00	100	Horizontal	Pass
2	3699.400	48.36	74.0	25.64	Peak	316.00	400	Horizontal	Pass
2**	3699.400	37.65	54.0	16.35	AV	316.00	400	Horizontal	Pass
3	5744.400	109.02	--	--	Peak	18.00	200	Horizontal	N/A
3**	5744.400	102.10	--	--	AV	18.00	200	Horizontal	N/A
4	7381.513	46.65	74.0	27.35	Peak	165.00	100	Horizontal	Pass
4**	7381.513	36.31	54.0	17.69	AV	165.00	100	Horizontal	Pass
5	12308.688	47.50	74.0	26.50	Peak	360.00	200	Horizontal	Pass
5**	12308.688	38.30	54.0	15.70	AV	360.00	200	Horizontal	Pass
6	15567.150	49.58	74.0	24.42	Peak	231.00	400	Horizontal	Pass
6**	15567.150	40.46	54.0	13.54	AV	231.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1538.100	37.55	74.0	36.45	Peak	0.00	200	Vertical	Pass
1**	1538.100	28.06	54.0	25.94	AV	0.00	200	Vertical	Pass
2	4390.200	47.33	74.0	26.67	Peak	248.00	300	Vertical	Pass
2**	4390.200	38.98	54.0	15.02	AV	248.00	300	Vertical	Pass
3	5744.600	108.65	--	--	Peak	327.00	100	Vertical	N/A
3**	5744.600	99.96	--	--	AV	327.00	100	Vertical	N/A
4	7445.050	45.98	74.0	28.02	Peak	243.00	200	Vertical	Pass
4**	7445.050	36.99	54.0	17.01	AV	243.00	200	Vertical	Pass
5	12003.363	47.68	74.0	26.32	Peak	360.00	200	Vertical	Pass
5**	12003.363	37.92	54.0	16.08	AV	360.00	200	Vertical	Pass
6	15723.862	49.94	74.0	24.06	Peak	145.00	100	Vertical	Pass
6**	15723.862	39.85	54.0	14.15	AV	145.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1619.900	38.76	74.0	35.24	Peak	161.00	200	Horizontal	Pass
1**	1619.900	29.30	54.0	24.70	AV	161.00	200	Horizontal	Pass
2	4231.400	47.91	74.0	26.09	Peak	119.00	300	Horizontal	Pass
2**	4231.400	38.79	54.0	15.21	AV	119.00	300	Horizontal	Pass
3	5783.400	109.23	--	--	Peak	360.00	200	Horizontal	N/A
3**	5783.400	103.96	--	--	AV	360.00	200	Horizontal	N/A
4	7377.487	45.96	74.0	28.04	Peak	42.00	100	Horizontal	Pass
4**	7377.487	36.30	54.0	17.70	AV	42.00	100	Horizontal	Pass
5	12565.137	47.36	74.0	26.64	Peak	0.00	150	Horizontal	Pass
5**	12565.137	38.05	54.0	15.95	AV	0.00	150	Horizontal	Pass
6	15778.725	49.57	74.0	24.43	Peak	360.00	150	Horizontal	Pass
6**	15778.725	39.65	54.0	14.35	AV	360.00	150	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	1620.400	37.46	74.0	36.54	Peak	360.00	300	Vertical	Pass
1**	1620.400	28.79	54.0	25.21	AV	360.00	300	Vertical	Pass
2	4066.000	47.67	74.0	26.33	Peak	110.00	400	Vertical	Pass
2**	4066.000	38.10	54.0	15.90	AV	110.00	400	Vertical	Pass
3	5783.800	107.42	--	--	Peak	215.00	200	Vertical	N/A
3**	5783.800	101.46	--	--	AV	215.00	200	Vertical	N/A
4	7388.700	45.85	74.0	28.15	Peak	0.00	100	Vertical	Pass
4**	7388.700	36.53	54.0	17.47	AV	0.00	100	Vertical	Pass
5	11420.888	47.32	74.0	26.68	Peak	290.00	100	Vertical	Pass
5**	11420.888	36.21	54.0	17.79	AV	290.00	100	Vertical	Pass
6	15535.912	49.71	74.0	24.29	Peak	360.00	300	Vertical	Pass
6**	15535.912	40.14	54.0	13.86	AV	360.00	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	1520.700	38.06	74.0	35.94	Peak	100.00	100	Horizontal	Pass
1**	1520.700	27.93	54.0	26.07	AV	100.00	100	Horizontal	Pass
2	4237.400	47.88	74.0	26.12	Peak	331.00	400	Horizontal	Pass
2**	4237.400	38.14	54.0	15.86	AV	331.00	400	Horizontal	Pass
3	5824.600	109.11	--	--	Peak	0.00	200	Horizontal	N/A
3**	5824.600	101.31	--	--	AV	0.00	200	Horizontal	N/A
4	7571.550	45.32	74.0	28.68	Peak	116.00	400	Horizontal	Pass
4**	7571.550	35.32	54.0	18.68	AV	116.00	400	Horizontal	Pass
5	11040.238	47.48	74.0	26.52	Peak	36.00	100	Horizontal	Pass
5**	11040.238	38.16	54.0	15.84	AV	36.00	100	Horizontal	Pass
6	15577.125	48.51	74.0	25.49	Peak	33.00	300	Horizontal	Pass
6**	15577.125	39.53	54.0	14.47	AV	33.00	300	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	1526.100	37.54	74.0	36.46	Peak	360.00	400	Vertical	Pass
1**	1526.100	28.72	54.0	25.28	AV	360.00	400	Vertical	Pass
2	3735.400	47.61	74.0	26.39	Peak	263.00	200	Vertical	Pass
2**	3735.400	37.85	54.0	16.15	AV	263.00	200	Vertical	Pass
3	5822.000	109.03	--	--	Peak	342.00	200	Vertical	N/A
3**	5822.000	99.43	--	--	AV	342.00	200	Vertical	N/A
4	7491.913	45.56	74.0	28.44	Peak	0.00	100	Vertical	Pass
4**	7491.913	37.25	54.0	16.75	AV	0.00	100	Vertical	Pass
5	12451.863	47.21	74.0	26.79	Peak	144.00	100	Vertical	Pass
5**	12451.863	38.69	54.0	15.31	AV	144.00	100	Vertical	Pass
6	16052.250	49.94	74.0	24.06	Peak	213.00	200	Vertical	Pass
6**	16052.250	40.06	54.0	13.94	AV	213.00	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	1527.900	37.59	74.0	36.41	Peak	186.00	400	Horizontal	Pass
1**	1527.900	28.03	54.0	25.97	AV	186.00	400	Horizontal	Pass
2	4137.800	47.85	74.0	26.15	Peak	113.00	300	Horizontal	Pass
2**	4137.800	38.21	54.0	15.79	AV	113.00	300	Horizontal	Pass
3	5751.600	105.20	--	--	Peak	35.00	200	Horizontal	N/A
3**	5751.600	98.89	--	--	AV	35.00	200	Horizontal	N/A
4	7445.338	46.78	74.0	27.22	Peak	71.00	200	Horizontal	Pass
4**	7445.338	36.62	54.0	17.38	AV	71.00	200	Horizontal	Pass
5	12467.963	47.19	74.0	26.81	Peak	360.00	100	Horizontal	Pass
5**	12467.963	38.29	54.0	15.71	AV	360.00	100	Horizontal	Pass
6	15450.075	49.48	74.0	24.52	Peak	9.00	200	Horizontal	Pass
6**	15450.075	39.40	54.0	14.60	AV	9.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.700	37.47	74.0	36.53	Peak	47.00	300	Vertical	Pass
1**	1494.700	28.31	54.0	25.69	AV	47.00	300	Vertical	Pass
2	4176.400	47.20	74.0	26.80	Peak	271.00	100	Vertical	Pass
2**	4176.400	38.34	54.0	15.66	AV	271.00	100	Vertical	Pass
3	5761.800	103.75	--	--	Peak	333.00	100	Vertical	N/A
3**	5761.800	98.01	--	--	AV	333.00	100	Vertical	N/A
4	7541.075	45.60	74.0	28.40	Peak	264.00	400	Vertical	Pass
4**	7541.075	36.87	54.0	17.13	AV	264.00	400	Vertical	Pass
5	10901.662	48.32	74.0	25.68	Peak	94.00	200	Vertical	Pass
5**	10901.662	38.57	54.0	15.43	AV	94.00	200	Vertical	Pass
6	15609.150	49.95	74.0	24.05	Peak	283.00	300	Vertical	Pass
6**	15609.150	39.09	54.0	14.91	AV	283.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1460.100	37.18	74.0	36.82	Peak	78.00	100	Horizontal	Pass
1**	1460.100	28.07	54.0	25.93	AV	78.00	100	Horizontal	Pass
2	4132.200	47.45	74.0	26.55	Peak	283.00	300	Horizontal	Pass
2**	4132.200	37.98	54.0	16.02	AV	283.00	300	Horizontal	Pass
3	5787.000	106.34	--	--	Peak	167.00	100	Horizontal	N/A
3**	5787.000	101.12	--	--	AV	167.00	100	Horizontal	N/A
4	7523.825	45.49	74.0	28.51	Peak	182.00	100	Horizontal	Pass
4**	7523.825	36.16	54.0	17.84	AV	182.00	100	Horizontal	Pass
5	12470.550	47.54	74.0	26.46	Peak	312.00	200	Horizontal	Pass
5**	12470.550	38.32	54.0	15.68	AV	312.00	200	Horizontal	Pass
6	16175.100	50.51	74.0	23.49	Peak	320.00	400	Horizontal	Pass
6**	16175.100	40.75	54.0	13.25	AV	320.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1619.600	37.68	74.0	36.32	Peak	112.00	400	Vertical	Pass
1**	1619.600	27.61	54.0	26.39	AV	112.00	400	Vertical	Pass
2	3989.200	47.88	74.0	26.12	Peak	360.00	100	Vertical	Pass
2**	3989.200	37.51	54.0	16.49	AV	360.00	100	Vertical	Pass
3	5787.000	105.45	--	--	Peak	180.00	100	Vertical	N/A
3**	5787.000	96.34	--	--	AV	180.00	100	Vertical	N/A
4	7451.087	45.84	74.0	28.16	Peak	101.00	200	Vertical	Pass
4**	7451.087	36.29	54.0	17.71	AV	101.00	200	Vertical	Pass
5	12489.525	47.10	74.0	26.90	Peak	338.00	100	Vertical	Pass
5**	12489.525	37.73	54.0	16.27	AV	338.00	100	Vertical	Pass
6	16075.875	49.44	74.0	24.56	Peak	292.00	100	Vertical	Pass
6**	16075.875	40.05	54.0	13.95	AV	292.00	100	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	1620.700	37.43	74.0	36.57	Peak	85.00	200	Horizontal	Pass
1**	1620.700	28.74	54.0	25.26	AV	85.00	200	Horizontal	Pass
2	4063.400	47.97	74.0	26.03	Peak	39.00	400	Horizontal	Pass
2**	4063.400	37.76	54.0	16.24	AV	39.00	400	Horizontal	Pass
3	5744.000	108.66	--	--	Peak	1.00	150	Horizontal	N/A
3**	5744.000	103.34	--	--	AV	1.00	150	Horizontal	N/A
4	7508.875	46.12	74.0	27.88	Peak	110.00	300	Horizontal	Pass
4**	7508.875	36.47	54.0	17.53	AV	110.00	300	Horizontal	Pass
5	12318.463	47.16	74.0	26.84	Peak	266.00	150	Horizontal	Pass
5**	12318.463	37.21	54.0	16.79	AV	266.00	150	Horizontal	Pass
6	15456.900	49.47	74.0	24.53	Peak	99.00	100	Horizontal	Pass
6**	15456.900	40.07	54.0	13.93	AV	99.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1525.500	37.45	74.0	36.55	Peak	352.00	300	Vertical	Pass
1**	1525.500	27.75	54.0	26.25	AV	352.00	300	Vertical	Pass
2	4388.600	48.40	74.0	25.60	Peak	257.00	400	Vertical	Pass
2**	4388.600	38.63	54.0	15.37	AV	257.00	400	Vertical	Pass
3	5743.200	105.88	--	--	Peak	222.00	100	Vertical	N/A
3**	5743.200	100.43	--	--	AV	222.00	100	Vertical	N/A
4	7444.188	46.42	74.0	27.58	Peak	360.00	400	Vertical	Pass
4**	7444.188	37.08	54.0	16.92	AV	360.00	400	Vertical	Pass
5	12486.362	47.17	74.0	26.83	Peak	123.00	200	Vertical	Pass
5**	12486.362	38.38	54.0	15.62	AV	123.00	200	Vertical	Pass
6	15574.500	49.61	74.0	24.39	Peak	254.00	400	Vertical	Pass
6**	15574.500	41.45	54.0	12.55	AV	254.00	400	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	1620.000	38.66	74.0	35.34	Peak	72.00	100	Horizontal	Pass
1**	1620.000	31.73	54.0	22.27	AV	72.00	100	Horizontal	Pass
2	4137.400	47.52	74.0	26.48	Peak	161.00	400	Horizontal	Pass
2**	4137.400	38.22	54.0	15.78	AV	161.00	400	Horizontal	Pass
3	5783.800	110.39	--	--	Peak	360.00	150	Horizontal	N/A
3**	5783.800	103.85	--	--	AV	360.00	150	Horizontal	N/A
4	7443.900	46.16	74.0	27.84	Peak	244.00	400	Horizontal	Pass
4**	7443.900	37.31	54.0	16.69	AV	244.00	400	Horizontal	Pass
5	12479.462	47.26	74.0	26.74	Peak	209.00	150	Horizontal	Pass
5**	12479.462	38.55	54.0	15.45	AV	209.00	150	Horizontal	Pass
6	15444.300	49.76	74.0	24.24	Peak	213.00	300	Horizontal	Pass
6**	15444.300	40.45	54.0	13.55	AV	213.00	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	1507.100	37.54	74.0	36.46	Peak	168.00	200	Vertical	Pass
1**	1507.100	28.51	54.0	25.49	AV	168.00	200	Vertical	Pass
2	4348.600	47.85	74.0	26.15	Peak	236.00	300	Vertical	Pass
2**	4348.600	37.27	54.0	16.73	AV	236.00	300	Vertical	Pass
3	5787.200	107.01	--	--	Peak	357.00	100	Vertical	N/A
3**	5787.200	100.26	--	--	AV	357.00	100	Vertical	N/A
4	7362.537	46.47	74.0	27.53	Peak	100.00	100	Vertical	Pass
4**	7362.537	36.32	54.0	17.68	AV	100.00	100	Vertical	Pass
5	12474.575	47.82	74.0	26.18	Peak	100.00	200	Vertical	Pass
5**	12474.575	38.36	54.0	15.64	AV	100.00	200	Vertical	Pass
6	16050.675	49.94	74.0	24.06	Peak	299.00	100	Vertical	Pass
6**	16050.675	39.99	54.0	14.01	AV	299.00	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	1537.400	37.49	74.0	36.51	Peak	360.00	100	Horizontal	Pass
1**	1537.400	28.22	54.0	25.78	AV	360.00	100	Horizontal	Pass
2	4066.600	47.18	74.0	26.82	Peak	168.00	150	Horizontal	Pass
2**	4066.600	38.37	54.0	15.63	AV	168.00	150	Horizontal	Pass
3	5824.600	107.62	--	--	Peak	360.00	200	Horizontal	N/A
3**	5824.600	99.55	--	--	AV	360.00	200	Horizontal	N/A
4	7500.250	45.87	74.0	28.13	Peak	330.00	200	Horizontal	Pass
4**	7500.250	36.80	54.0	17.20	AV	330.00	200	Horizontal	Pass
5	11305.312	47.17	74.0	26.83	Peak	251.00	150	Horizontal	Pass
5**	11305.312	37.05	54.0	16.95	AV	251.00	150	Horizontal	Pass
6	15714.938	49.58	74.0	24.42	Peak	216.00	200	Horizontal	Pass
6**	15714.938	39.62	54.0	14.38	AV	216.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1563.800	37.82	74.0	36.18	Peak	328.00	300	Vertical	Pass
1**	1563.800	27.78	54.0	26.22	AV	328.00	300	Vertical	Pass
2	3733.600	47.54	74.0	26.46	Peak	360.00	200	Vertical	Pass
2**	3733.600	38.34	54.0	15.66	AV	360.00	200	Vertical	Pass
3	5824.400	108.83	--	--	Peak	344.00	200	Vertical	N/A
3**	5824.400	100.55	--	--	AV	344.00	200	Vertical	N/A
4	7444.475	46.21	74.0	27.79	Peak	357.00	400	Vertical	Pass
4**	7444.475	37.12	54.0	16.88	AV	357.00	400	Vertical	Pass
5	11922.288	47.66	74.0	26.34	Peak	167.00	100	Vertical	Pass
5**	11922.288	37.55	54.0	16.45	AV	167.00	100	Vertical	Pass
6	15760.088	50.12	74.0	23.88	Peak	176.00	100	Vertical	Pass
6**	15760.088	40.18	54.0	13.82	AV	176.00	100	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	1497.800	37.56	74.0	36.44	Peak	14.00	200	Horizontal	Pass
1**	1497.800	28.91	54.0	25.09	AV	14.00	200	Horizontal	Pass
2	4236.800	47.57	74.0	26.43	Peak	237.00	400	Horizontal	Pass
2**	4236.800	37.53	54.0	16.47	AV	237.00	400	Horizontal	Pass
3	5760.600	105.04	--	--	Peak	22.00	200	Horizontal	N/A
3**	5760.600	91.33	--	--	AV	22.00	200	Horizontal	N/A
4	7528.712	46.52	74.0	27.48	Peak	164.00	300	Horizontal	Pass
4**	7528.712	38.51	54.0	15.49	AV	164.00	300	Horizontal	Pass
5	11319.113	46.95	74.0	27.05	Peak	164.00	150	Horizontal	Pass
5**	11319.113	38.55	54.0	15.45	AV	164.00	150	Horizontal	Pass
6	15502.838	49.85	74.0	24.15	Peak	228.00	300	Horizontal	Pass
6**	15502.838	39.65	54.0	14.35	AV	228.00	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	1494.600	38.11	74.0	35.89	Peak	20.00	400	Vertical	Pass
1**	1494.600	28.06	54.0	25.94	AV	20.00	400	Vertical	Pass
2	4004.600	48.23	74.0	25.77	Peak	0.00	300	Vertical	Pass
2**	4004.600	37.48	54.0	16.52	AV	0.00	300	Vertical	Pass
3	5747.600	103.99	--	--	Peak	332.00	100	Vertical	N/A
3**	5747.600	97.86	--	--	AV	332.00	100	Vertical	N/A
4	7530.438	46.36	74.0	27.64	Peak	95.00	300	Vertical	Pass
4**	7530.438	36.99	54.0	17.01	AV	95.00	300	Vertical	Pass
5	12556.225	46.89	74.0	27.11	Peak	46.00	100	Vertical	Pass
5**	12556.225	38.89	54.0	15.11	AV	46.00	100	Vertical	Pass
6	16151.213	49.40	74.0	24.60	Peak	89.00	200	Vertical	Pass
6**	16151.213	39.48	54.0	14.52	AV	89.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1447.500	37.28	74.0	36.72	Peak	208.00	300	Horizontal	Pass
1**	1447.500	28.21	54.0	25.79	AV	208.00	300	Horizontal	Pass
2	4149.800	48.04	74.0	25.96	Peak	183.00	300	Horizontal	Pass
2**	4149.800	38.68	54.0	15.32	AV	183.00	300	Horizontal	Pass
3	5799.000	105.75	--	--	Peak	12.00	150	Horizontal	N/A
3**	5799.000	99.87	--	--	AV	12.00	150	Horizontal	N/A
4	7533.025	45.81	74.0	28.19	Peak	21.00	100	Horizontal	Pass
4**	7533.025	36.70	54.0	17.30	AV	21.00	100	Horizontal	Pass
5	11885.776	47.53	74.0	26.47	Peak	0.00	150	Horizontal	Pass
5**	11885.776	38.89	54.0	15.11	AV	0.00	150	Horizontal	Pass
6	15575.026	50.35	74.0	23.65	Peak	213.00	400	Horizontal	Pass
6**	15575.026	40.85	54.0	13.15	AV	213.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1573.900	37.80	74.0	36.20	Peak	19.00	400	Vertical	Pass
1**	1573.900	27.97	54.0	26.03	AV	19.00	400	Vertical	Pass
2	4240.800	48.22	74.0	25.78	Peak	60.00	100	Vertical	Pass
2**	4240.800	37.95	54.0	16.05	AV	60.00	100	Vertical	Pass
3	5788.800	105.14	--	--	Peak	341.00	150	Vertical	N/A
3**	5788.800	98.76	--	--	AV	341.00	150	Vertical	N/A
4	7378.925	45.66	74.0	28.34	Peak	315.00	300	Vertical	Pass
4**	7378.925	35.75	54.0	18.25	AV	315.00	300	Vertical	Pass
5	11892.100	47.10	74.0	26.90	Peak	46.00	200	Vertical	Pass
5**	11892.100	38.48	54.0	15.52	AV	46.00	200	Vertical	Pass
6	15562.951	49.34	74.0	24.66	Peak	105.00	200	Vertical	Pass
6**	15562.951	40.47	54.0	13.53	AV	105.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1556.500	37.40	74.0	36.60	Peak	227.00	300	Horizontal	Pass
1**	1556.500	27.59	54.0	26.41	AV	227.00	300	Horizontal	Pass
2	4163.200	47.96	74.0	26.04	Peak	265.00	400	Horizontal	Pass
2**	4163.200	37.75	54.0	16.25	AV	265.00	400	Horizontal	Pass
3	5743.800	103.08	--	--	Peak	154.00	150	Horizontal	N/A
3**	5743.800	96.08	--	--	AV	154.00	150	Horizontal	N/A
4	7519.225	45.96	74.0	28.04	Peak	0.00	100	Horizontal	Pass
4**	7519.225	36.75	54.0	17.25	AV	0.00	100	Horizontal	Pass
5	12444.387	47.02	74.0	26.98	Peak	20.00	150	Horizontal	Pass
5**	12444.387	37.70	54.0	16.30	AV	20.00	150	Horizontal	Pass
6	16181.137	49.54	74.0	24.46	Peak	158.00	100	Horizontal	Pass
6**	16181.137	40.44	54.0	13.56	AV	158.00	100	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	1616.300	37.60	74.0	36.40	Peak	190.00	100	Vertical	Pass
1**	1616.300	27.69	54.0	26.31	AV	190.00	100	Vertical	Pass
2	4100.200	47.48	74.0	26.52	Peak	137.00	400	Vertical	Pass
2**	4100.200	39.27	54.0	14.73	AV	137.00	400	Vertical	Pass
3	5763.600	101.63	--	--	Peak	184.00	150	Vertical	N/A
3**	5763.600	93.99	--	--	AV	184.00	150	Vertical	N/A
4	7495.363	45.50	74.0	28.50	Peak	218.00	200	Vertical	Pass
4**	7495.363	35.88	54.0	18.12	AV	218.00	200	Vertical	Pass
5	11899.000	47.37	74.0	26.63	Peak	194.00	200	Vertical	Pass
5**	11899.000	38.97	54.0	15.03	AV	194.00	200	Vertical	Pass
6	15581.325	49.44	74.0	24.56	Peak	240.00	200	Vertical	Pass
6**	15581.325	41.83	54.0	12.17	AV	240.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1581.300	37.25	74.0	36.75	Peak	269.00	400	Horizontal	Pass
1**	1581.300	27.77	54.0	26.23	AV	269.00	400	Horizontal	Pass
2	4011.400	47.31	74.0	26.69	Peak	296.00	100	Horizontal	Pass
2**	4011.400	37.90	54.0	16.10	AV	296.00	100	Horizontal	Pass
3	5748.800	106.35	--	--	Peak	360.00	150	Horizontal	N/A
3**	5748.800	102.30	--	--	AV	360.00	150	Horizontal	N/A
4	7477.538	45.95	74.0	28.05	Peak	360.00	100	Horizontal	Pass
4**	7477.538	37.12	54.0	16.88	AV	360.00	100	Horizontal	Pass
5	11894.688	47.82	74.0	26.18	Peak	360.00	100	Horizontal	Pass
5**	11894.688	38.02	54.0	15.98	AV	360.00	100	Horizontal	Pass
6	15571.613	49.37	74.0	24.63	Peak	214.00	100	Horizontal	Pass
6**	15571.613	39.95	54.0	14.05	AV	214.00	100	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	1540.900	37.22	74.0	36.78	Peak	149.00	100	Vertical	Pass
1**	1540.900	28.10	54.0	25.90	AV	149.00	100	Vertical	Pass
2	4154.400	48.34	74.0	25.66	Peak	1.00	300	Vertical	Pass
2**	4154.400	38.32	54.0	15.68	AV	1.00	300	Vertical	Pass
3	5744.400	108.82	--	--	Peak	345.00	100	Vertical	N/A
3**	5744.400	99.03	--	--	AV	345.00	100	Vertical	N/A
4	7447.063	45.83	74.0	28.17	Peak	38.00	100	Vertical	Pass
4**	7447.063	36.94	54.0	17.06	AV	38.00	100	Vertical	Pass
5	11888.938	47.76	74.0	26.24	Peak	4.00	100	Vertical	Pass
5**	11888.938	38.11	54.0	15.89	AV	4.00	100	Vertical	Pass
6	15575.287	49.76	74.0	24.24	Peak	239.00	200	Vertical	Pass
6**	15575.287	40.46	54.0	13.54	AV	239.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1619.900	38.34	74.0	35.66	Peak	0.00	200	Horizontal	Pass
1**	1619.900	30.57	54.0	23.43	AV	0.00	200	Horizontal	Pass
2	4021.200	47.46	74.0	26.54	Peak	110.00	400	Horizontal	Pass
2**	4021.200	37.97	54.0	16.03	AV	110.00	400	Horizontal	Pass
3	5784.600	109.93	--	--	Peak	0.00	100	Horizontal	N/A
3**	5784.600	97.74	--	--	AV	0.00	100	Horizontal	N/A
4	7446.200	45.89	74.0	28.11	Peak	325.00	300	Horizontal	Pass
4**	7446.200	37.05	54.0	16.95	AV	325.00	300	Horizontal	Pass
5	11817.062	47.35	74.0	26.65	Peak	0.00	200	Horizontal	Pass
5**	11817.062	37.14	54.0	16.86	AV	0.00	200	Horizontal	Pass
6	15520.425	49.31	74.0	24.69	Peak	212.00	200	Horizontal	Pass
6**	15520.425	40.16	54.0	13.84	AV	212.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1560.500	38.66	74.0	35.34	Peak	289.00	300	Vertical	Pass
1**	1560.500	29.12	54.0	24.88	AV	289.00	300	Vertical	Pass
2	4110.400	47.57	74.0	26.43	Peak	104.00	100	Vertical	Pass
2**	4110.400	38.72	54.0	15.28	AV	104.00	100	Vertical	Pass
3	5784.200	108.88	--	--	Peak	344.00	150	Vertical	N/A
3**	5784.200	101.91	--	--	AV	344.00	150	Vertical	N/A
4	7328.037	46.06	74.0	27.94	Peak	130.00	300	Vertical	Pass
4**	7328.037	36.30	54.0	17.70	AV	130.00	300	Vertical	Pass
5	10904.537	47.57	74.0	26.43	Peak	359.00	150	Vertical	Pass
5**	10904.537	37.61	54.0	16.39	AV	359.00	150	Vertical	Pass
6	15571.350	49.82	74.0	24.18	Peak	103.00	100	Vertical	Pass
6**	15571.350	40.53	54.0	13.47	AV	103.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1573.100	37.83	74.0	36.17	Peak	57.00	300	Horizontal	Pass
1**	1573.100	27.66	54.0	26.34	AV	57.00	300	Horizontal	Pass
2	4379.400	47.82	74.0	26.18	Peak	352.00	400	Horizontal	Pass
2**	4379.400	38.62	54.0	15.38	AV	352.00	400	Horizontal	Pass
3	5826.600	109.76	--	--	Peak	1.00	200	Horizontal	N/A
3**	5826.600	100.11	--	--	AV	1.00	200	Horizontal	N/A
4	7440.737	46.15	74.0	27.85	Peak	196.00	300	Horizontal	Pass
4**	7440.737	37.11	54.0	16.89	AV	196.00	300	Horizontal	Pass
5	12481.188	47.28	74.0	26.72	Peak	88.00	200	Horizontal	Pass
5**	12481.188	38.72	54.0	15.28	AV	88.00	200	Horizontal	Pass
6	15570.825	49.45	74.0	24.55	Peak	360.00	400	Horizontal	Pass
6**	15570.825	40.68	54.0	13.32	AV	360.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.900	38.73	74.0	35.27	Peak	239.00	400	Vertical	Pass
1**	1495.900	27.93	54.0	26.07	AV	239.00	400	Vertical	Pass
2	3690.400	47.89	74.0	26.11	Peak	116.00	300	Vertical	Pass
2**	3690.400	38.35	54.0	15.65	AV	116.00	300	Vertical	Pass
3	5826.400	108.54	--	--	Peak	231.00	150	Vertical	N/A
3**	5826.400	100.25	--	--	AV	231.00	150	Vertical	N/A
4	7549.700	45.88	74.0	28.12	Peak	44.00	400	Vertical	Pass
4**	7549.700	36.31	54.0	17.69	AV	44.00	400	Vertical	Pass
5	11905.325	47.01	74.0	26.99	Peak	280.00	150	Vertical	Pass
5**	11905.325	38.32	54.0	15.68	AV	280.00	150	Vertical	Pass
6	15751.162	49.43	74.0	24.57	Peak	270.00	400	Vertical	Pass
6**	15751.162	40.20	54.0	13.80	AV	270.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.900	37.77	74.0	36.23	Peak	162.00	200	Horizontal	Pass
1**	1495.900	29.07	54.0	24.93	AV	162.00	200	Horizontal	Pass
2	4022.400	48.36	74.0	25.64	Peak	173.00	200	Horizontal	Pass
2**	4022.400	37.50	54.0	16.50	AV	173.00	200	Horizontal	Pass
3	5738.600	108.77	--	--	Peak	0.00	100	Horizontal	N/A
3**	5738.600	98.65	--	--	AV	0.00	100	Horizontal	N/A
4	7535.037	46.05	74.0	27.95	Peak	313.00	100	Horizontal	Pass
4**	7535.037	36.49	54.0	17.51	AV	313.00	100	Horizontal	Pass
5	11873.988	47.42	74.0	26.58	Peak	176.00	200	Horizontal	Pass
5**	11873.988	37.66	54.0	16.34	AV	176.00	200	Horizontal	Pass
6	15584.737	50.52	74.0	23.48	Peak	89.00	100	Horizontal	Pass
6**	15584.737	40.55	54.0	13.45	AV	89.00	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	1494.600	41.56	74.0	32.44	Peak	54.00	300	Vertical	Pass
1**	1494.600	33.93	54.0	20.07	AV	54.00	300	Vertical	Pass
2	4068.400	48.47	74.0	25.53	Peak	343.00	100	Vertical	Pass
2**	4068.400	38.46	54.0	15.54	AV	343.00	100	Vertical	Pass
3	5771.800	108.56	--	--	Peak	307.00	150	Vertical	N/A
3**	5771.800	98.40	--	--	AV	307.00	150	Vertical	N/A
4	7436.712	45.78	74.0	28.22	Peak	138.00	200	Vertical	Pass
4**	7436.712	36.64	54.0	17.36	AV	138.00	200	Vertical	Pass
5	11302.725	47.51	74.0	26.49	Peak	254.00	150	Vertical	Pass
5**	11302.725	37.86	54.0	16.14	AV	254.00	150	Vertical	Pass
6	16039.125	50.50	74.0	23.50	Peak	300.00	200	Vertical	Pass
6**	16039.125	40.67	54.0	13.33	AV	300.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1539.400	37.33	74.0	36.67	Peak	141.00	200	Horizontal	Pass
1**	1539.400	28.72	54.0	25.28	AV	141.00	200	Horizontal	Pass
2	4346.800	47.49	74.0	26.51	Peak	13.00	400	Horizontal	Pass
2**	4346.800	38.78	54.0	15.22	AV	13.00	400	Horizontal	Pass
3	5785.800	106.78	--	--	Peak	0.00	200	Horizontal	N/A
3**	5785.800	98.61	--	--	AV	0.00	200	Horizontal	N/A
4	7443.038	46.61	74.0	27.39	Peak	351.00	300	Horizontal	Pass
4**	7443.038	37.03	54.0	16.97	AV	351.00	300	Horizontal	Pass
5	12476.875	48.14	74.0	25.86	Peak	351.00	200	Horizontal	Pass
5**	12476.875	38.14	54.0	15.86	AV	351.00	200	Horizontal	Pass
6	15588.150	50.18	74.0	23.82	Peak	122.00	200	Horizontal	Pass
6**	15588.150	40.94	54.0	13.06	AV	122.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.300	39.75	74.0	34.25	Peak	18.00	300	Vertical	Pass
1**	1499.300	27.93	54.0	26.07	AV	18.00	300	Vertical	Pass
2	4142.800	47.52	74.0	26.48	Peak	131.00	300	Vertical	Pass
2**	4142.800	38.34	54.0	15.66	AV	131.00	300	Vertical	Pass
3	5781.800	106.32	--	--	Peak	327.00	150	Vertical	N/A
3**	5781.800	97.78	--	--	AV	327.00	150	Vertical	N/A
4	7442.750	46.27	74.0	27.73	Peak	135.00	100	Vertical	Pass
4**	7442.750	36.98	54.0	17.02	AV	135.00	100	Vertical	Pass
5	12592.162	47.80	74.0	26.20	Peak	245.00	100	Vertical	Pass
5**	12592.162	37.97	54.0	16.03	AV	245.00	100	Vertical	Pass
6	15594.188	51.06	74.0	22.94	Peak	301.00	100	Vertical	Pass
6**	15594.188	41.24	54.0	12.76	AV	301.00	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	1499.700	37.23	74.0	36.77	Peak	209.00	100	Horizontal	Pass
1**	1499.700	28.74	54.0	25.26	AV	209.00	100	Horizontal	Pass
2	4061.400	48.11	74.0	25.89	Peak	244.00	300	Horizontal	Pass
2**	4061.400	37.97	54.0	16.03	AV	244.00	300	Horizontal	Pass
3	5796.400	102.49	--	--	Peak	12.00	200	Horizontal	N/A
3**	5796.400	93.51	--	--	AV	12.00	200	Horizontal	N/A
4	7552.000	46.09	74.0	27.91	Peak	193.00	400	Horizontal	Pass
4**	7552.000	37.19	54.0	16.81	AV	193.00	400	Horizontal	Pass
5	11897.275	47.33	74.0	26.67	Peak	339.00	200	Horizontal	Pass
5**	11897.275	37.94	54.0	16.06	AV	339.00	200	Horizontal	Pass
6	15569.776	49.10	74.0	24.90	Peak	295.00	100	Horizontal	Pass
6**	15569.776	40.15	54.0	13.85	AV	295.00	100	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	1494.700	38.01	74.0	35.99	Peak	240.00	300	Vertical	Pass
1**	1494.700	28.51	54.0	25.49	AV	240.00	300	Vertical	Pass
2	4242.600	48.12	74.0	25.88	Peak	12.00	100	Vertical	Pass
2**	4242.600	37.92	54.0	16.08	AV	12.00	100	Vertical	Pass
3	5791.800	103.53	--	--	Peak	352.00	100	Vertical	N/A
3**	5791.800	93.34	--	--	AV	352.00	100	Vertical	N/A
4	7511.462	45.81	74.0	28.19	Peak	265.00	100	Vertical	Pass
4**	7511.462	36.71	54.0	17.29	AV	265.00	100	Vertical	Pass
5	12466.237	47.08	74.0	26.92	Peak	192.00	150	Vertical	Pass
5**	12466.237	37.68	54.0	16.32	AV	192.00	150	Vertical	Pass
6	16042.537	50.03	74.0	23.97	Peak	77.00	100	Vertical	Pass
6**	16042.537	40.04	54.0	13.96	AV	77.00	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

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

Test Data

SISO-ANT1

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	5149.675	61.86	74.0	12.14	Peak	11.00	150	Horizontal	Pass
1**	5149.675	48.84	54.0	5.16	AV	11.00	150	Horizontal	Pass
2	5150.000	61.18	74.0	12.82	Peak	7.00	150	Horizontal	Pass
2**	5150.000	49.01	54.0	4.99	AV	7.00	150	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	57.73	74.0	16.27	Peak	305.00	150	Horizontal	Pass
1**	5350.000	47.10	54.0	6.90	AV	305.00	150	Horizontal	Pass
2	5438.495	59.45	74.0	14.55	Peak	8.00	150	Horizontal	Pass
2**	5438.495	47.64	54.0	6.36	AV	8.00	150	Horizontal	Pass

U-NII-1 11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5145.450	59.49	74.0	14.51	Peak	52.00	100	Horizontal	Pass
1**	5145.450	48.16	54.0	5.84	AV	52.00	100	Horizontal	Pass
2	5150.000	59.85	74.0	14.15	Peak	75.00	100	Horizontal	Pass
2**	5150.000	48.77	54.0	5.23	AV	75.00	100	Horizontal	Pass

U-NII-1 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.94	74.0	17.06	Peak	287.00	150	Horizontal	Pass
1**	5350.055	47.21	54.0	6.79	AV	287.00	150	Horizontal	Pass
2	5456.425	59.30	74.0	14.70	Peak	261.00	200	Horizontal	Pass
2**	5456.425	47.96	54.0	6.04	AV	261.00	200	Horizontal	Pass

U-NII-1 11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5147.075	60.63	74.0	13.37	Peak	47.00	100	Horizontal	Pass
1**	5147.075	49.08	54.0	4.92	AV	47.00	100	Horizontal	Pass
2	5150.000	59.77	74.0	14.23	Peak	0.00	150	Horizontal	Pass
2**	5150.000	50.21	54.0	3.79	AV	0.00	150	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	5350.055	57.81	74.0	16.19	Peak	47.00	200	Horizontal	Pass
1**	5350.055	47.14	54.0	6.86	AV	47.00	200	Horizontal	Pass
2	5453.620	59.70	74.0	14.30	Peak	14.00	150	Horizontal	Pass
2**	5453.620	47.62	54.0	6.38	AV	14.00	150	Horizontal	Pass

U-NII-1 11ac20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5147.075	62.33	74.0	11.67	Peak	0.00	150	Horizontal	Pass
1**	5147.075	49.01	54.0	4.99	AV	0.00	150	Horizontal	Pass
2	5150.000	61.30	74.0	12.70	Peak	50.00	200	Horizontal	Pass
2**	5150.000	49.84	54.0	4.16	AV	50.00	200	Horizontal	Pass

U-NII-1 11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.11	74.0	16.89	Peak	40.00	200	Horizontal	Pass
1**	5350.000	47.41	54.0	6.59	AV	40.00	200	Horizontal	Pass
2	5444.160	59.52	74.0	14.48	Peak	124.00	100	Horizontal	Pass
2**	5444.160	48.00	54.0	6.00	AV	124.00	100	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	5145.450	62.69	74.0	11.31	Peak	27.00	200	Horizontal	Pass
1**	5145.450	50.59	54.0	3.41	AV	27.00	200	Horizontal	Pass
2	5147.725	61.87	74.0	12.13	Peak	27.00	150	Horizontal	Pass
2**	5147.725	51.45	54.0	2.55	AV	27.00	150	Horizontal	Pass
3	5150.000	62.34	74.0	11.66	Peak	0.00	150	Horizontal	Pass
3**	5150.000	51.16	54.0	2.84	AV	0.00	150	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	5350.055	56.97	74.0	17.03	Peak	21.00	100	Horizontal	Pass
1**	5350.055	47.30	54.0	6.70	AV	21.00	100	Horizontal	Pass
2	5448.835	59.67	74.0	14.33	Peak	217.00	150	Horizontal	Pass
2**	5448.835	47.59	54.0	6.41	AV	217.00	150	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	5146.100	61.10	74.0	12.90	Peak	27.00	200	Horizontal	Pass
1**	5146.100	49.41	54.0	4.59	AV	27.00	200	Horizontal	Pass
2	5150.000	59.60	74.0	14.40	Peak	354.00	150	Horizontal	Pass
2**	5150.000	50.80	54.0	3.20	AV	354.00	150	Horizontal	Pass
3	5147.075	60.26	74.0	13.74	Peak	55.00	150	Horizontal	Pass
3**	5147.075	51.36	54.0	2.64	AV	55.00	150	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	57.69	74.0	16.31	Peak	55.00	150	Horizontal	Pass
1**	5350.000	47.13	54.0	6.87	AV	55.00	150	Horizontal	Pass
2	5402.965	59.29	74.0	14.71	Peak	188.00	200	Horizontal	Pass
2**	5402.965	47.58	54.0	6.42	AV	188.00	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	5148.375	65.76	74.0	8.24	Peak	360.00	100	Horizontal	Pass
1**	5148.375	49.96	54.0	4.04	AV	360.00	100	Horizontal	Pass
2	5150.000	63.41	74.0	10.59	Peak	13.00	200	Horizontal	Pass
2**	5150.000	50.96	54.0	3.04	AV	13.00	200	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	5350.055	58.14	74.0	15.86	Peak	349.00	150	Horizontal	Pass
1**	5350.055	47.45	54.0	6.55	AV	349.00	150	Horizontal	Pass
2	5357.810	59.30	74.0	14.70	Peak	152.00	100	Horizontal	Pass
2**	5357.810	47.26	54.0	6.74	AV	152.00	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	5148.375	64.06	74.0	9.94	Peak	0.00	100	Horizontal	Pass
1**	5148.375	50.53	54.0	3.47	AV	0.00	100	Horizontal	Pass
2	5150.000	62.10	74.0	11.90	Peak	26.00	200	Horizontal	Pass
2**	5150.000	50.97	54.0	3.03	AV	26.00	200	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	57.30	74.0	16.70	Peak	33.00	150	Horizontal	Pass
1**	5350.000	47.16	54.0	6.84	AV	33.00	150	Horizontal	Pass
2	5395.705	59.60	74.0	14.40	Peak	297.00	150	Horizontal	Pass
2**	5395.705	47.64	54.0	6.36	AV	297.00	150	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	5135.700	65.33	74.0	8.67	Peak	36.00	150	Horizontal	Pass
1**	5135.700	49.97	54.0	4.03	AV	36.00	150	Horizontal	Pass
2	5150.000	63.58	74.0	10.42	Peak	42.00	200	Horizontal	Pass
2**	5150.000	51.46	54.0	2.54	AV	42.00	200	Horizontal	Pass
3	5147.725	61.66	74.0	12.34	Peak	9.00	150	Horizontal	Pass
3**	5147.725	51.87	54.0	2.13	AV	9.00	150	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	5350.055	57.48	74.0	16.52	Peak	360.00	100	Horizontal	Pass
1**	5350.055	47.44	54.0	6.56	AV	360.00	100	Horizontal	Pass
2	5429.640	60.29	74.0	13.71	Peak	262.00	100	Horizontal	Pass
2**	5429.640	47.89	54.0	6.11	AV	262.00	100	Horizontal	Pass

U-NII-3 11a Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5647.900	61.30	68.2	6.90	Peak	146.00	200	Horizontal	Pass
2	5650.000	59.73	68.2	8.47	Peak	360.00	100	Horizontal	Pass

U-NII-3 11a High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	60.35	68.2	7.85	Peak	0.00	100	Horizontal	Pass
2	5937.050	62.24	68.2	5.96	Peak	0.00	150	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	5639.650	62.36	68.2	5.84	Peak	338.00	100	Horizontal	Pass
2	5650.000	59.70	68.2	8.50	Peak	191.00	150	Horizontal	Pass

U-NII-3 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	60.95	68.2	7.25	Peak	260.00	100	Horizontal	Pass
2	5928.800	64.71	68.2	3.49	Peak	34.00	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	5643.600	61.48	68.2	6.72	Peak	59.00	150	Horizontal	Pass
2	5650.000	60.50	68.2	7.70	Peak	348.00	200	Horizontal	Pass

U-NII-3 11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	60.42	68.2	7.78	Peak	0.00	150	Horizontal	Pass
2	5940.650	62.81	68.2	5.39	Peak	0.00	150	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	5648.850	61.85	68.2	6.35	Peak	129.00	100	Horizontal	Pass
2	5650.000	60.53	68.2	7.67	Peak	264.00	200	Horizontal	Pass

U-NII-3 11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	62.02	68.2	6.18	Peak	302.00	200	Horizontal	Pass
2	5932.350	63.92	68.2	4.28	Peak	0.00	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	5648.950	62.12	68.2	6.08	Peak	0.00	150	Horizontal	Pass
2	5650.000	59.56	68.2	8.64	Peak	15.00	150	Horizontal	Pass

U-NII-3 11ac40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	60.61	68.2	7.59	Peak	264.00	150	Horizontal	Pass
2	5935.350	62.41	68.2	5.79	Peak	69.00	150	Horizontal	Pass

U-NII-3 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5629.650	65.53	68.2	2.67	Peak	37.00	100	Horizontal	Pass
2	5650.000	61.75	68.2	6.45	Peak	245.00	200	Horizontal	Pass

U-NII-3 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	60.96	68.2	7.24	Peak	360.00	200	Horizontal	Pass
2	5928.050	62.31	68.2	5.89	Peak	360.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5643.050	61.91	68.2	6.29	Peak	103.00	200	Horizontal	Pass
2	5650.000	59.09	68.2	9.11	Peak	128.00	200	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	5924.950	60.11	68.2	8.09	Peak	31.00	150	Horizontal	Pass
2	5948.550	61.99	68.2	6.21	Peak	248.00	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	5642.650	62.64	68.2	5.56	Peak	1.00	200	Horizontal	Pass
2	5650.000	60.08	68.2	8.12	Peak	335.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	59.51	68.2	8.69	Peak	353.00	100	Horizontal	Pass
2	5946.150	61.90	68.2	6.30	Peak	111.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5646.650	66.16	68.2	2.04	Peak	0.00	100	Horizontal	Pass
2	5650.000	61.66	68.2	6.54	Peak	0.00	150	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	5924.950	60.43	68.2	7.77	Peak	297.00	200	Horizontal	Pass
2	5928.300	63.44	68.2	4.76	Peak	348.00	150	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2570543-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2570543-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2570543-AI.PDF”.

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