

TEST REPORT

Applicant: Botslab Inc.
Address: 919 North Market Street, Suite 950, Wilmington,
New Castle, Delaware, USA
Equipment Type: HomeBase
Model Name: HB-BD07-C8 (refer to section 2.3)
Brand Name: Botslab
FCC ID: 2A22Z-H200
ISED Number: 27673-H200
Test Standard: 47 CFR Part 15 Subpart E
RSS-Gen Issue 5
RSS-247 Issue 3
(refer to section 3.1)
Sample Arrival Date: Jan. 07, 2025
Test Date: Jan. 08, 2025 - Apr. 02, 2025
Date of Issue: May 07, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Li Ganming**Checked by:** Ye Hongji**Approved by:** Sunny Zou
(Technical Director)*Li Ganming**Ye Hongji**Sunny Zou*

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>May 07, 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	26
A.1	RF Output Power.....	26
A.2	Emission Bandwidth & 99% Bandwidth.....	47
A.3	6 dB Bandwidth	49
A.4	Power Spectral Density	50
A.5	Conducted Emissions.....	54
A.6	Radiated Spurious Emissions and Band Edge (Restricted-band).....	56
ANNEX B	TEST SETUP PHOTOS	107
ANNEX C	EUT EXTERNAL PHOTOS	107
ANNEX D	EUT INTERNAL PHOTOS	107

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. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A.

2 PRODUCT INFORMATION

2.1 Applicant Information

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

2.2 Manufacturer Information

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

2.3 General Description for Equipment under Test (EUT)

EUT Name	HomeBase
Model Name Under Test	HB-BD07-C8
Series Model Name	HB-BD07-C8-V0, HB-BD07-C8-V1, HB-BD07-C8-V2, HB-BD07-C8-V3, HB-BD07-C8-V4, HB-BD07-C8-V5, HB-BD07-C8-V6, HB-BD07-C8-V7, HB-BD07-C8-V8, HB-BD07-C8-V9
Description of Model name differentiation	All models are same with electrical parameters and internal circuit structure, but only differ in shell color and model name. (this information provided by the applicant).
Serial Number	TYXC20014450000260
Hardware Version	V1.0
Software Version	V1.0
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

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

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-3: 5725 MHz to 5850 MHz	
Product Type	☒ Mobile ☐ Portable ☐ Fix Location Indoor for IC standard	
Modulation technology	OFDM, OFDMA	
Modulation Type	1024QAM, 256QAM, 64QAM, 16QAM, BPSK, QPSK	
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps 802.11ac: up to VHT-MCS9 802.11ax up to 1201 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: 4.21 mW U-NII-3: 7.78 mW	
Antenna System (eg., MIMO, Smart Antenna)	Cyclic Delay Diversity (CDD) for 802.11a Multi Input Multi Output (MIMO) for 802.11n/ac/ax	
Categorization as Correlated or Completely Uncorrelated	Categorization as Correlated for 802.11a Categorization as Uncorrelated for 802.11n/ac/ax	
Antenna Type	Main Antenna	FPC Antenna
	Aux. Antenna	
Antenna Gain	Main Antenna	U-NII-1: 5150 MHz to 5250 MHz: 4.43 dBi U-NII-3: 5725 MHz to 5850 MHz: 6.1 dBi
	Aux. Antenna	U-NII-1: 5150 MHz to 5250 MHz: 3.7 dBi U-NII-3: 5725 MHz to 5850 MHz: 6.26 dBi
Total directional gain	For power spectral density (PSD) measurements	Correlated: U-NII-1: 5150 MHz to 5250 MHz: 7.08 dBi U-NII-3: 5725 MHz to 5850 MHz: 9.19 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: 4.08 dBi U-NII-3: 5725 MHz to 5850 MHz: 6.18 dBi Formulas: Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10}) / NANT]$ dBi

	For power measurements	Correlated: U-NII-1: 5150 MHz to 5250 MHz: 7.08 dBi U-NII-3: 5725 MHz to 5850 MHz: 9.19 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: 4.08 dBi U-NII-3: 5725 MHz to 5850 MHz: 6.18 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 HomeBase, intended for used with information technology equipment.

Mode	Antenna		
	Main Antenna	Aux. Antenna	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	RSS-Gen Issue 5	General Requirements for Compliance of Radio Apparatus
3	RSS-247 Issue 3	Digital Transmission Systems (DTSs), Frequency Hopping Systems(FHSs) and Licence-Exemp Local Area Network (LE-LAN) Devices
4	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
5	KDB Publication 662911 D01v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)
6	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

3.2 Test Verdict

No.	Description	FCC Part No.	RSS Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	RSS-247, 6.2	--	Pass ^{Note1}
2	RF Output Power	15.407(a)	RSS-247, 6.2	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	RSS-247, 6.2	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	RSS-247, 6.2	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	RSS-247, 6.2	ANNEX A.4	Pass
6	Conducted Emission	15.207	RSS-GEN, 8.8	ANNEX A.5	Pass
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	RSS-247, 6.2	ANNEX A.6	Pass
8	Receiver Spurious Emissions	--	RSS-Gen, 7.1.2	--	N/A ^{Note2}

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

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

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

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	45% to 69%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.8℃ to +25.1℃
Working Voltage of the EUT	NV (Normal Voltage)	12.0 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY56060183	2024.08.01	2025.07.31
Power Sensor	KEYSIGHT	U2063XA	MY58000247	2024.07.04	2025.07.03
Spectrum Analyzer	KEYSIGHT	N9020A	MY52510065	2024.08.01	2025.07.31
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	01631	2022.02.23	2025.02.22
				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
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	2024.05.09	2025.05.08
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8 m	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%

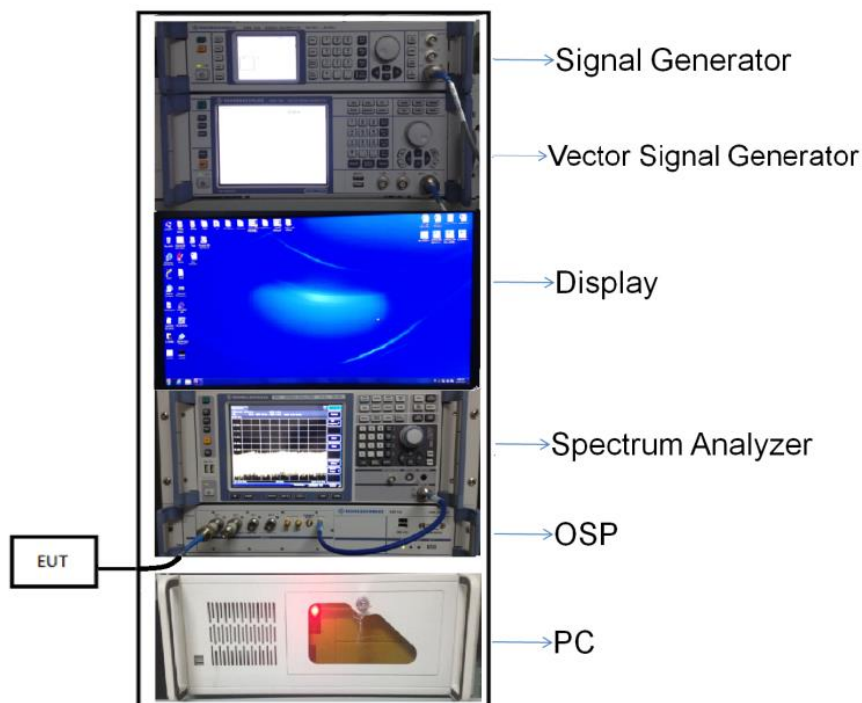
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

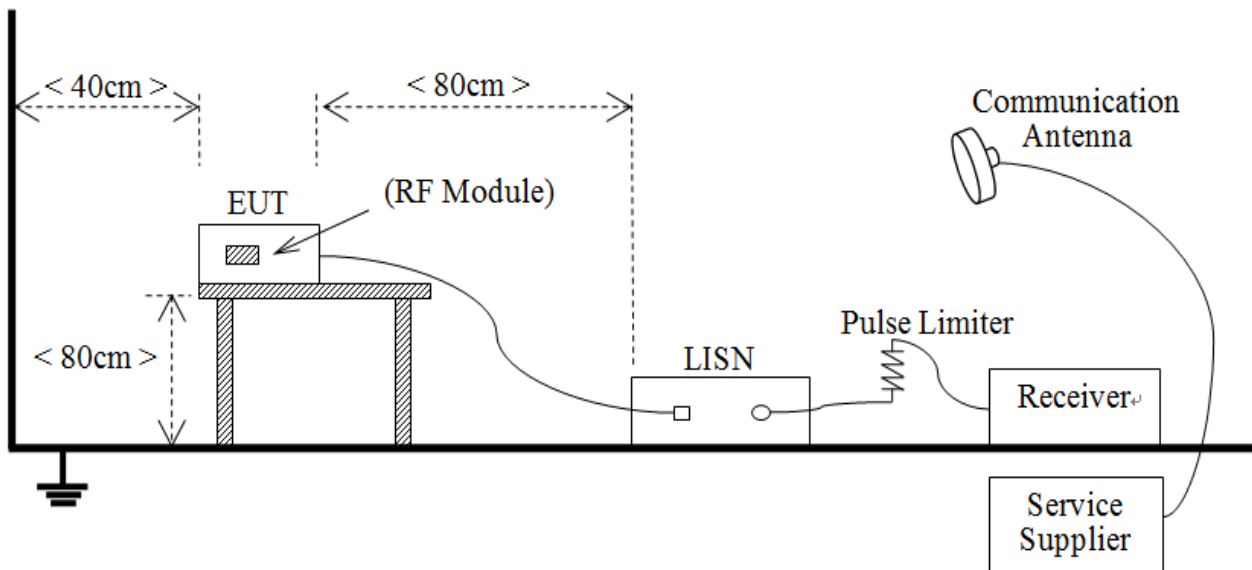
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



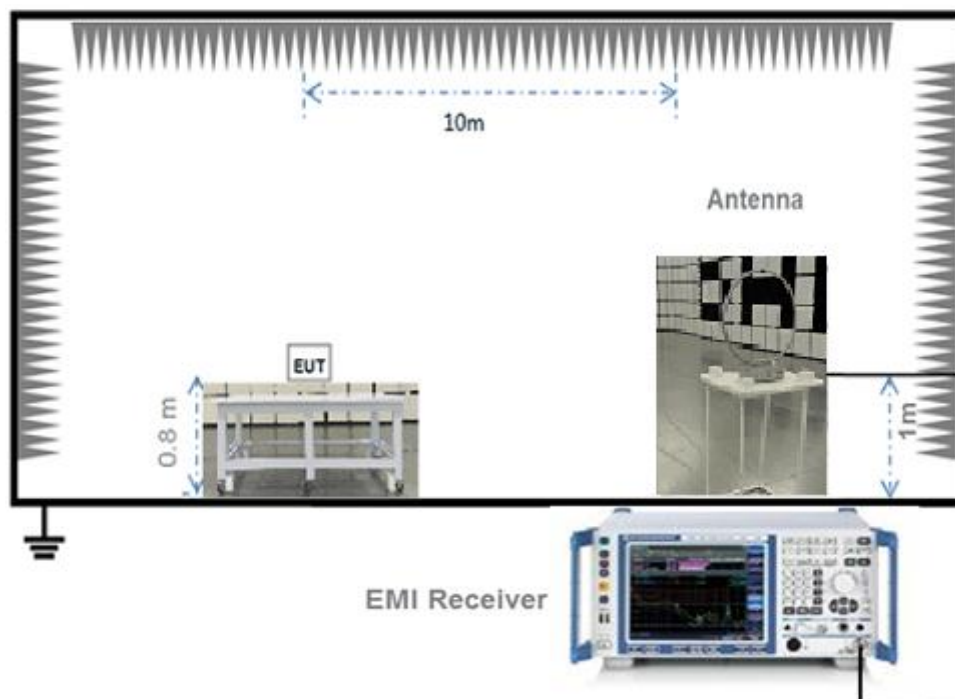
(Diagram 1)

4.5.2 For AC Power Supply Port Test



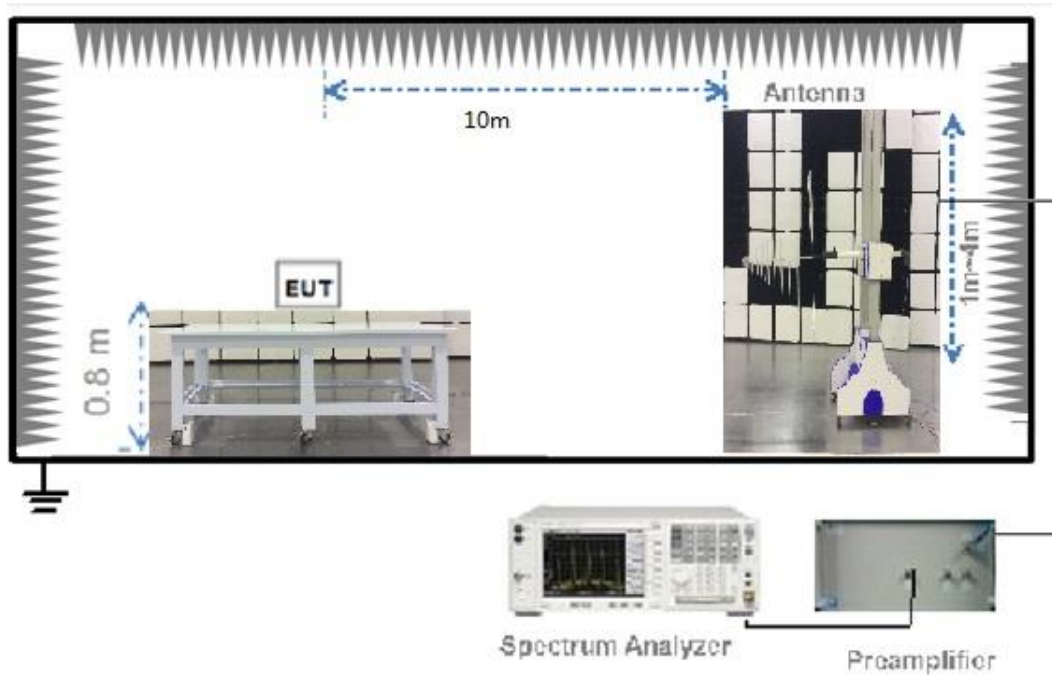
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



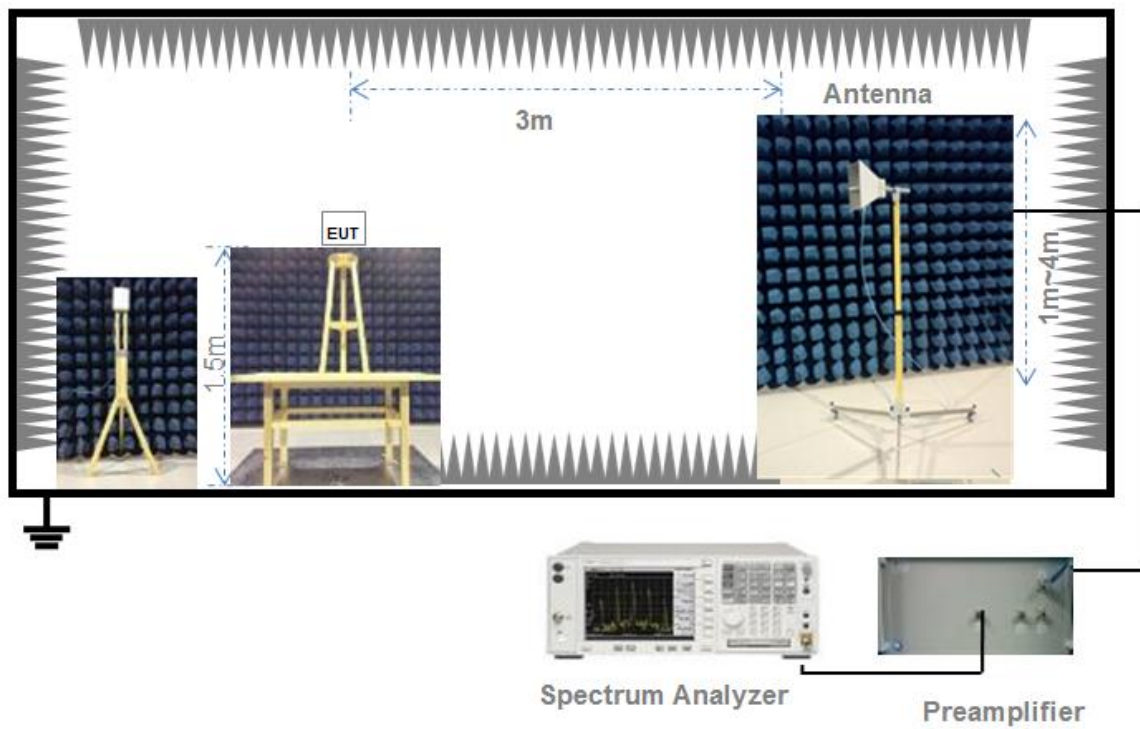
(Diagram 3)

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.	

RSS-247, 6.2

The maximum conducted output power shall not exceed:

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

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

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

5.1.2 Test Setup

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

5.1.3 Test Procedure

Maximum conducted (average) output power

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

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

at least a factor of five.

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

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

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

Measurements of duty cycle

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

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

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

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

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

The E.I.R.P used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 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), RSS-247, 6.2

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

RSS-247, 6.2

The maximum power spectral density should not exceed:

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

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

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

1. 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, RSS-GEN, 8.8

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

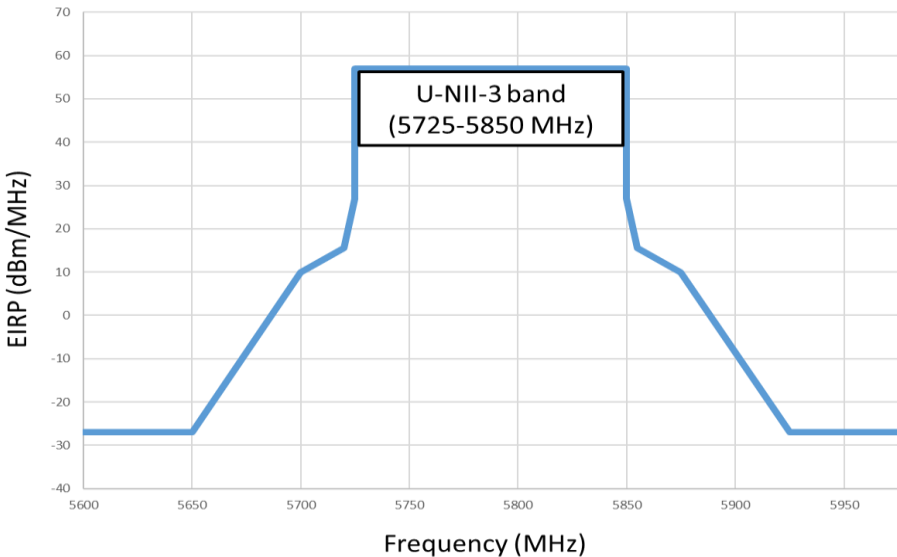
5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

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

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

Note²: The tighter limit applies at the band edge.

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

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

5.5.2 Test Setup

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

5.5.3 Test Procedure

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

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

General Procedure for conducted measurements in restricted bands

- a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the 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).
- c) 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).
- d) 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 ¹: For FCC standard, if transmitting antennas of directional gain greater than 6 dBi are used, all band maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	1.39	2.50	55.55%	2.55
11n(HT20)/11ac(VHT20)	1.30	2.31	56.12%	2.51
11n(HT40)/11ac(VHT40)	0.64	1.66	38.77%	4.12
11ac(VHT80)	0.32	1.34	24.18%	6.16
11ax(HE20)	1.01	2.03	49.98%	3.01
11ax(HE40)	0.53	1.55	34.32%	4.64
11ax(HE80)	0.29	1.30	21.91%	6.59

Test DataConducted PowerSISO-Main Antenna

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	4.88	3.08	1000	Pass
11a	CH44	5.14	3.27	1000	Pass
11a	CH48	5.18	3.30	1000	Pass
11n(HT20)	CH36	6.04	4.02	1000	Pass
11n(HT20)	CH44	6.11	4.08	1000	Pass
11n(HT20)	CH48	6.17	4.14	1000	Pass
11n(HT40)	CH38	6.03	4.01	1000	Pass
11n(HT40)	CH46	6.13	4.10	1000	Pass
11ac(VHT20)	CH36	6.11	4.08	1000	Pass
11ac(VHT20)	CH44	6.16	4.13	1000	Pass
11ac(VHT20)	CH48	6.24	4.21	1000	Pass
11ac(VHT40)	CH38	6.02	4.00	1000	Pass
11ac(VHT40)	CH46	6.09	4.06	1000	Pass
11ac(VHT80)	CH42	5.94	3.93	1000	Pass
11ax(HE20)(SU)	CH36	5.79	3.79	1000	Pass
11ax(HE20)(SU)	CH44	5.82	3.82	1000	Pass
11ax(HE20)(SU)	CH48	5.89	3.88	1000	Pass
11ax(HE40)(SU)	CH38	5.78	3.78	1000	Pass
11ax(HE40)(SU)	CH46	5.87	3.86	1000	Pass
11ax(HE80)(SU)	CH42	5.72	3.73	1000	Pass

U-NII-3 (5725 - 5850 MHz)

Note²: Transmitting antennas of directional gain in U-NII-3 (5725 MHz to 5850 MHz) is 6.1 dBi

Formulas: Directional gain = GANT + Array Gain, *Array Gain* = 0.

Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH149	7.82	6.05	977	977	Pass
11a	CH157	6.98	4.99	977	977	Pass
11a	CH165	6.35	4.32	977	977	Pass
11n(HT20)	CH149	8.91	7.78	977	977	Pass
11n(HT20)	CH157	8.16	6.55	977	977	Pass
11n(HT20)	CH165	7.45	5.56	977	977	Pass
11n(HT40)	CH151	8.57	7.19	977	977	Pass
11n(HT40)	CH159	7.90	6.17	977	977	Pass
11ac(VHT20)	CH149	8.83	7.64	977	977	Pass
11ac(VHT20)	CH157	8.12	6.49	977	977	Pass
11ac(VHT20)	CH165	7.40	5.50	977	977	Pass
11ac(VHT40)	CH151	8.58	7.21	977	977	Pass
11ac(VHT40)	CH159	7.93	6.21	977	977	Pass
11ac(VHT80)	CH155	8.15	6.53	977	977	Pass
11ax(HE20)(SU)	CH149	8.52	7.11	977	977	Pass
11ax(HE20)(SU)	CH157	7.82	6.05	977	977	Pass
11ax(HE20)(SU)	CH165	7.10	5.13	977	977	Pass
11ax(HE40)(SU)	CH151	8.38	6.89	977	977	Pass
11ax(HE40)(SU)	CH159	7.72	5.92	977	977	Pass
11ax(HE80)(SU)	CH155	8.02	6.34	977	977	Pass

SISO-Aux. Antenna

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	4.72	2.96	1000	Pass
11a	CH44	4.97	3.14	1000	Pass
11a	CH48	5.05	3.20	1000	Pass
11n(HT20)	CH36	5.76	3.77	1000	Pass
11n(HT20)	CH44	5.94	3.93	1000	Pass
11n(HT20)	CH48	6.01	3.99	1000	Pass
11n(HT40)	CH38	5.99	3.97	1000	Pass
11n(HT40)	CH46	5.87	3.86	1000	Pass
11ac(VHT20)	CH36	5.81	3.81	1000	Pass
11ac(VHT20)	CH44	6.01	3.99	1000	Pass
11ac(VHT20)	CH48	6.23	4.20	1000	Pass
11ac(VHT40)	CH38	5.97	3.95	1000	Pass
11ac(VHT40)	CH46	5.89	3.88	1000	Pass
11ac(VHT80)	CH42	5.74	3.75	1000	Pass
11ax(HE20)(SU)	CH36	5.75	3.76	1000	Pass
11ax(HE20)(SU)	CH44	5.63	3.66	1000	Pass
11ax(HE20)(SU)	CH48	5.66	3.68	1000	Pass
11ax(HE40)(SU)	CH38	5.65	3.67	1000	Pass
11ax(HE40)(SU)	CH46	5.77	3.78	1000	Pass
11ax(HE80)(SU)	CH42	5.65	3.67	1000	Pass

U-NII-3 (5725 - 5850 MHz)

Note³: Transmitting antennas of directional gain in U-NII-3 (5725 MHz to 5850 MHz) is 6.26 dBi

Formulas: Directional gain = GANT + Array Gain, *Array Gain* = 0.

Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH149	7.81	6.04	942	942	Pass
11a	CH157	6.95	4.95	942	942	Pass
11a	CH165	6.05	4.03	942	942	Pass
11n(HT20)	CH149	8.76	7.52	942	942	Pass
11n(HT20)	CH157	7.92	6.19	942	942	Pass
11n(HT20)	CH165	7.36	5.45	942	942	Pass
11n(HT40)	CH151	8.37	6.87	942	942	Pass
11n(HT40)	CH159	7.75	5.96	942	942	Pass
11ac(VHT20)	CH149	8.66	7.35	942	942	Pass
11ac(VHT20)	CH157	7.96	6.25	942	942	Pass
11ac(VHT20)	CH165	7.27	5.33	942	942	Pass
11ac(VHT40)	CH151	8.52	7.11	942	942	Pass
11ac(VHT40)	CH159	7.86	6.11	942	942	Pass
11ac(VHT80)	CH155	8.07	6.41	942	942	Pass
11ax(HE20)(SU)	CH149	8.36	6.85	942	942	Pass
11ax(HE20)(SU)	CH157	7.55	5.69	942	942	Pass
11ax(HE20)(SU)	CH165	6.87	4.86	942	942	Pass
11ax(HE40)(SU)	CH151	8.08	6.43	942	942	Pass
11ax(HE40)(SU)	CH159	7.55	5.69	942	942	Pass
11ax(HE80)(SU)	CH155	7.88	6.14	942	942	Pass

MIMO-Main Antenna

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	1.63	1.46	1000	Pass
11a	CH44	2.04	1.60	1000	Pass
11a	CH48	2.04	1.60	1000	Pass
11n(HT20)	CH36	2.79	1.90	1000	Pass
11n(HT20)	CH44	2.81	1.91	1000	Pass
11n(HT20)	CH48	2.93	1.96	1000	Pass
11n(HT40)	CH38	2.81	1.91	1000	Pass
11n(HT40)	CH46	2.85	1.93	1000	Pass
11ac(VHT20)	CH36	3.01	2.00	1000	Pass
11ac(VHT20)	CH44	2.98	1.99	1000	Pass
11ac(VHT20)	CH48	3.00	2.00	1000	Pass
11ac(VHT40)	CH38	2.73	1.87	1000	Pass
11ac(VHT40)	CH46	2.80	1.91	1000	Pass
11ac(VHT80)	CH42	2.78	1.90	1000	Pass
11ax(HE20)(SU)	CH36	2.64	1.84	1000	Pass
11ax(HE20)(SU)	CH44	2.64	1.84	1000	Pass
11ax(HE20)(SU)	CH48	2.80	1.91	1000	Pass
11ax(HE40)(SU)	CH38	2.50	1.78	1000	Pass
11ax(HE40)(SU)	CH46	2.82	1.91	1000	Pass
11ax(HE80)(SU)	CH42	2.61	1.82	1000	Pass

U-NII-3 (5725 - 5850 MHz)

Note⁴: Transmitting antennas of directional gain in U-NII-3 (5725 MHz to 5850 MHz) is 6.1 dBi

Formulas: Directional gain = GANT + Array Gain, *Array Gain* = 0.

Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH149	4.68	2.94	977	977	Pass
11a	CH157	3.72	2.36	977	977	Pass
11a	CH165	3.31	2.14	977	977	Pass
11n(HT20)	CH149	5.87	3.86	977	977	Pass
11n(HT20)	CH157	5.01	3.17	977	977	Pass
11n(HT20)	CH165	4.30	2.69	977	977	Pass
11n(HT40)	CH151	5.45	3.51	977	977	Pass
11n(HT40)	CH159	4.74	2.98	977	977	Pass
11ac(VHT20)	CH149	5.79	3.79	977	977	Pass
11ac(VHT20)	CH157	4.83	3.04	977	977	Pass
11ac(VHT20)	CH165	4.19	2.62	977	977	Pass
11ac(VHT40)	CH151	5.54	3.58	977	977	Pass
11ac(VHT40)	CH159	4.70	2.95	977	977	Pass
11ac(VHT80)	CH155	5.08	3.22	977	977	Pass
11ax(HE20)(SU)	CH149	5.47	3.52	977	977	Pass
11ax(HE20)(SU)	CH157	4.69	2.94	977	977	Pass
11ax(HE20)(SU)	CH165	3.89	2.45	977	977	Pass
11ax(HE40)(SU)	CH151	5.16	3.28	977	977	Pass
11ax(HE40)(SU)	CH159	4.42	2.77	977	977	Pass
11ax(HE80)(SU)	CH155	4.76	2.99	977	977	Pass

MIMO-Aux. Antenna

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	1.66	1.47	1000	Pass
11a	CH44	1.87	1.54	1000	Pass
11a	CH48	1.95	1.57	1000	Pass
11n(HT20)	CH36	2.72	1.87	1000	Pass
11n(HT20)	CH44	2.73	1.87	1000	Pass
11n(HT20)	CH48	2.71	1.87	1000	Pass
11n(HT40)	CH38	2.70	1.86	1000	Pass
11n(HT40)	CH46	2.81	1.91	1000	Pass
11ac(VHT20)	CH36	2.64	1.84	1000	Pass
11ac(VHT20)	CH44	2.72	1.87	1000	Pass
11ac(VHT20)	CH48	3.03	2.01	1000	Pass
11ac(VHT40)	CH38	2.70	1.86	1000	Pass
11ac(VHT40)	CH46	2.75	1.88	1000	Pass
11ac(VHT80)	CH42	2.67	1.85	1000	Pass
11ax(HE20)(SU)	CH36	2.71	1.87	1000	Pass
11ax(HE20)(SU)	CH44	2.38	1.73	1000	Pass
11ax(HE20)(SU)	CH48	2.42	1.75	1000	Pass
11ax(HE40)(SU)	CH38	2.38	1.73	1000	Pass
11ax(HE40)(SU)	CH46	2.55	1.80	1000	Pass
11ax(HE80)(SU)	CH42	2.40	1.74	1000	Pass

U-NII-3 (5725 - 5850 MHz)

Note⁵: Transmitting antennas of directional gain in U-NII-3 (5725 MHz to 5850 MHz) is 6.26 dBi

Formulas: Directional gain = GANT + Array Gain, *Array Gain* = 0.

Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH149	4.63	2.90	942	942	Pass
11a	CH157	3.81	2.40	942	942	Pass
11a	CH165	2.79	1.90	942	942	Pass
11n(HT20)	CH149	5.55	3.59	942	942	Pass
11n(HT20)	CH157	4.91	3.10	942	942	Pass
11n(HT20)	CH165	4.14	2.59	942	942	Pass
11n(HT40)	CH151	5.14	3.27	942	942	Pass
11n(HT40)	CH159	4.60	2.88	942	942	Pass
11ac(VHT20)	CH149	5.55	3.59	942	942	Pass
11ac(VHT20)	CH157	4.67	2.93	942	942	Pass
11ac(VHT20)	CH165	4.09	2.56	942	942	Pass
11ac(VHT40)	CH151	5.35	3.43	942	942	Pass
11ac(VHT40)	CH159	4.71	2.96	942	942	Pass
11ac(VHT80)	CH155	4.79	3.01	942	942	Pass
11ax(HE20)(SU)	CH149	5.13	3.26	942	942	Pass
11ax(HE20)(SU)	CH157	4.39	2.75	942	942	Pass
11ax(HE20)(SU)	CH165	3.58	2.28	942	942	Pass
11ax(HE40)(SU)	CH151	4.95	3.13	942	942	Pass
11ax(HE40)(SU)	CH159	4.44	2.78	942	942	Pass
11ax(HE80)(SU)	CH155	4.61	2.89	942	942	Pass

MIMO

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	4.66	2.92	779	Pass
11a	CH44	4.97	3.14	779	Pass
11a	CH48	5.01	3.17	779	Pass
11n(HT20)	CH36	5.77	3.77	1000	Pass
11n(HT20)	CH44	5.78	3.78	1000	Pass
11n(HT20)	CH48	5.83	3.83	1000	Pass
11n(HT40)	CH38	5.77	3.77	1000	Pass
11n(HT40)	CH46	5.84	3.84	1000	Pass
11ac(VHT20)	CH36	5.84	3.84	1000	Pass
11ac(VHT20)	CH44	5.86	3.86	1000	Pass
11ac(VHT20)	CH48	6.03	4.00	1000	Pass
11ac(VHT40)	CH38	5.73	3.74	1000	Pass
11ac(VHT40)	CH46	5.79	3.79	1000	Pass
11ac(VHT80)	CH42	5.74	3.75	1000	Pass
11ax(HE20)(SU)	CH36	5.69	3.70	1000	Pass
11ax(HE20)(SU)	CH44	5.52	3.57	1000	Pass
11ax(HE20)(SU)	CH48	5.62	3.65	1000	Pass
11ax(HE40)(SU)	CH38	5.45	3.51	1000	Pass
11ax(HE40)(SU)	CH46	5.70	3.71	1000	Pass
11ax(HE80)(SU)	CH42	5.52	3.56	1000	Pass

U-NII-3 (5725 - 5850 MHz)

Note⁶: Transmitting antennas of directional gain in U-NII-3 (5725 MHz to 5850 MHz) is 6.18 dBi

Formulas: Directional gain = GANT + Array Gain, *Array Gain* = 0.

Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH149	7.67	5.84	479	479	Pass
11a	CH157	6.78	4.76	479	479	Pass
11a	CH165	6.07	4.04	479	479	Pass
11n(HT20)	CH149	8.72	7.45	959	959	Pass
11n(HT20)	CH157	7.97	6.27	959	959	Pass
11n(HT20)	CH165	7.23	5.29	959	959	Pass
11n(HT40)	CH151	8.31	6.77	959	959	Pass
11n(HT40)	CH159	7.68	5.86	959	959	Pass
11ac(VHT20)	CH149	8.68	7.38	959	959	Pass
11ac(VHT20)	CH157	7.76	5.97	959	959	Pass
11ac(VHT20)	CH165	7.15	5.19	959	959	Pass
11ac(VHT40)	CH151	8.46	7.01	959	959	Pass
11ac(VHT40)	CH159	7.72	5.91	959	959	Pass
11ac(VHT80)	CH155	7.95	6.23	959	959	Pass
11ax(HE20)(SU)	CH149	8.31	6.78	959	959	Pass
11ax(HE20)(SU)	CH157	7.55	5.69	959	959	Pass
11ax(HE20)(SU)	CH165	6.75	4.73	959	959	Pass
11ax(HE40)(SU)	CH151	8.07	6.41	959	959	Pass
11ax(HE40)(SU)	CH159	7.44	5.55	959	959	Pass
11ax(HE80)(SU)	CH155	7.70	5.88	959	959	Pass

E.I.R.PSISO-Main Antenna

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	9.31	8.53	164	Pass
11a	CH44	9.57	9.06	164	Pass
11a	CH48	9.61	9.14	164	Pass
11n(HT20)	CH36	10.47	11.14	176	Pass
11n(HT20)	CH44	10.54	11.32	176	Pass
11n(HT20)	CH48	10.60	11.48	176	Pass
11n(HT40)	CH38	10.46	11.12	200	Pass
11n(HT40)	CH46	10.56	11.38	200	Pass
11ac(VHT20)	CH36	10.54	11.32	176	Pass
11ac(VHT20)	CH44	10.59	11.46	176	Pass
11ac(VHT20)	CH48	10.67	11.67	176	Pass
11ac(VHT40)	CH38	10.45	11.09	200	Pass
11ac(VHT40)	CH46	10.52	11.27	200	Pass
11ac(VHT80)	CH42	10.37	10.89	200	Pass
11ax(HE20)(SU)	CH36	10.22	10.52	189	Pass
11ax(HE20)(SU)	CH44	10.25	10.59	188	Pass
11ax(HE20)(SU)	CH48	10.32	10.76	189	Pass
11ax(HE40)(SU)	CH38	10.21	10.50	200	Pass
11ax(HE40)(SU)	CH46	10.30	10.72	200	Pass
11ax(HE80)(SU)	CH42	10.15	10.35	200	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	13.92	24.66	Pass
11a	CH157	13.08	20.32	Pass
11a	CH165	12.45	17.58	Pass
11n(HT20)	CH149	15.01	31.70	Pass
11n(HT20)	CH157	14.26	26.67	Pass
11n(HT20)	CH165	13.55	22.65	Pass
11n(HT40)	CH151	14.67	29.31	Pass
11n(HT40)	CH159	14.00	25.12	Pass
11ac(VHT20)	CH149	14.93	31.12	Pass
11ac(VHT20)	CH157	14.22	26.42	Pass
11ac(VHT20)	CH165	13.50	22.39	Pass
11ac(VHT40)	CH151	14.68	29.38	Pass
11ac(VHT40)	CH159	14.03	25.29	Pass
11ac(VHT80)	CH155	14.25	26.61	Pass
11ax(HE20)(SU)	CH149	14.62	28.97	Pass
11ax(HE20)(SU)	CH157	13.92	24.66	Pass
11ax(HE20)(SU)	CH165	13.20	20.89	Pass
11ax(HE40)(SU)	CH151	14.48	28.05	Pass
11ax(HE40)(SU)	CH159	13.82	24.10	Pass
11ax(HE80)(SU)	CH155	14.12	25.82	Pass

SISO-Aux. Antenna

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	8.42	6.95	164	Pass
11a	CH44	8.67	7.36	164	Pass
11a	CH48	8.75	7.50	164	Pass
11n(HT20)	CH36	9.46	8.83	176	Pass
11n(HT20)	CH44	9.64	9.20	176	Pass
11n(HT20)	CH48	9.71	9.35	176	Pass
11n(HT40)	CH38	9.69	9.31	200	Pass
11n(HT40)	CH46	9.57	9.06	200	Pass
11ac(VHT20)	CH36	9.51	8.93	176	Pass
11ac(VHT20)	CH44	9.71	9.35	176	Pass
11ac(VHT20)	CH48	9.93	9.84	176	Pass
11ac(VHT40)	CH38	9.67	9.27	200	Pass
11ac(VHT40)	CH46	9.59	9.10	200	Pass
11ac(VHT80)	CH42	9.44	8.79	200	Pass
11ax(HE20)(SU)	CH36	9.45	8.81	189	Pass
11ax(HE20)(SU)	CH44	9.33	8.57	188	Pass
11ax(HE20)(SU)	CH48	9.36	8.63	189	Pass
11ax(HE40)(SU)	CH38	9.35	8.61	200	Pass
11ax(HE40)(SU)	CH46	9.47	8.85	200	Pass
11ax(HE80)(SU)	CH42	9.35	8.61	200	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	14.07	25.53	Pass
11a	CH157	13.21	20.94	Pass
11a	CH165	12.31	17.02	Pass
11n(HT20)	CH149	15.02	31.77	Pass
11n(HT20)	CH157	14.18	26.18	Pass
11n(HT20)	CH165	13.62	23.01	Pass
11n(HT40)	CH151	14.63	29.04	Pass
11n(HT40)	CH159	14.01	25.18	Pass
11ac(VHT20)	CH149	14.92	31.05	Pass
11ac(VHT20)	CH157	14.22	26.42	Pass
11ac(VHT20)	CH165	13.53	22.54	Pass
11ac(VHT40)	CH151	14.78	30.06	Pass
11ac(VHT40)	CH159	14.12	25.82	Pass
11ac(VHT80)	CH155	14.33	27.10	Pass
11ax(HE20)(SU)	CH149	14.62	28.97	Pass
11ax(HE20)(SU)	CH157	13.81	24.04	Pass
11ax(HE20)(SU)	CH165	13.13	20.56	Pass
11ax(HE40)(SU)	CH151	14.34	27.16	Pass
11ax(HE40)(SU)	CH159	13.81	24.04	Pass
11ax(HE80)(SU)	CH155	14.14	25.94	Pass

MIMO-Main Antenna

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	6.06	4.04	164	Pass
11a	CH44	6.47	4.44	164	Pass
11a	CH48	6.47	4.44	164	Pass
11n(HT20)	CH36	7.22	5.27	176	Pass
11n(HT20)	CH44	7.24	5.30	176	Pass
11n(HT20)	CH48	7.36	5.45	176	Pass
11n(HT40)	CH38	7.24	5.30	200	Pass
11n(HT40)	CH46	7.28	5.35	200	Pass
11ac(VHT20)	CH36	7.44	5.55	176	Pass
11ac(VHT20)	CH44	7.41	5.51	176	Pass
11ac(VHT20)	CH48	7.43	5.53	176	Pass
11ac(VHT40)	CH38	7.16	5.20	200	Pass
11ac(VHT40)	CH46	7.23	5.28	200	Pass
11ac(VHT80)	CH42	7.21	5.26	200	Pass
11ax(HE20)(SU)	CH36	7.07	5.09	189	Pass
11ax(HE20)(SU)	CH44	7.07	5.09	188	Pass
11ax(HE20)(SU)	CH48	7.23	5.28	189	Pass
11ax(HE40)(SU)	CH38	6.93	4.93	200	Pass
11ax(HE40)(SU)	CH46	7.25	5.31	200	Pass
11ax(HE80)(SU)	CH42	7.04	5.06	200	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	10.78	11.97	Pass
11a	CH157	9.82	9.59	Pass
11a	CH165	9.41	8.73	Pass
11n(HT20)	CH149	11.97	15.74	Pass
11n(HT20)	CH157	11.11	12.91	Pass
11n(HT20)	CH165	10.40	10.96	Pass
11n(HT40)	CH151	11.55	14.29	Pass
11n(HT40)	CH159	10.84	12.13	Pass
11ac(VHT20)	CH149	11.89	15.45	Pass
11ac(VHT20)	CH157	10.93	12.39	Pass
11ac(VHT20)	CH165	10.29	10.69	Pass
11ac(VHT40)	CH151	11.64	14.59	Pass
11ac(VHT40)	CH159	10.80	12.02	Pass
11ac(VHT80)	CH155	11.18	13.12	Pass
11ax(HE20)(SU)	CH149	11.57	14.35	Pass
11ax(HE20)(SU)	CH157	10.79	11.99	Pass
11ax(HE20)(SU)	CH165	9.99	9.98	Pass
11ax(HE40)(SU)	CH151	11.26	13.37	Pass
11ax(HE40)(SU)	CH159	10.52	11.27	Pass
11ax(HE80)(SU)	CH155	10.86	12.19	Pass

MIMO-Aux. Antenna

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	5.36	3.44	164	Pass
11a	CH44	5.57	3.61	164	Pass
11a	CH48	5.65	3.67	164	Pass
11n(HT20)	CH36	6.42	4.39	176	Pass
11n(HT20)	CH44	6.43	4.40	176	Pass
11n(HT20)	CH48	6.41	4.38	176	Pass
11n(HT40)	CH38	6.40	4.37	200	Pass
11n(HT40)	CH46	6.51	4.48	200	Pass
11ac(VHT20)	CH36	6.34	4.31	176	Pass
11ac(VHT20)	CH44	6.42	4.39	176	Pass
11ac(VHT20)	CH48	6.73	4.71	176	Pass
11ac(VHT40)	CH38	6.40	4.37	200	Pass
11ac(VHT40)	CH46	6.45	4.42	200	Pass
11ac(VHT80)	CH42	6.37	4.34	200	Pass
11ax(HE20)(SU)	CH36	6.41	4.38	189	Pass
11ax(HE20)(SU)	CH44	6.08	4.06	188	Pass
11ax(HE20)(SU)	CH48	6.12	4.09	189	Pass
11ax(HE40)(SU)	CH38	6.08	4.06	200	Pass
11ax(HE40)(SU)	CH46	6.25	4.22	200	Pass
11ax(HE80)(SU)	CH42	6.10	4.07	200	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	10.89	12.27	Pass
11a	CH157	10.07	10.16	Pass
11a	CH165	9.05	8.04	Pass
11n(HT20)	CH149	11.81	15.17	Pass
11n(HT20)	CH157	11.17	13.09	Pass
11n(HT20)	CH165	10.40	10.96	Pass
11n(HT40)	CH151	11.40	13.80	Pass
11n(HT40)	CH159	10.86	12.19	Pass
11ac(VHT20)	CH149	11.81	15.17	Pass
11ac(VHT20)	CH157	10.93	12.39	Pass
11ac(VHT20)	CH165	10.35	10.84	Pass
11ac(VHT40)	CH151	11.61	14.49	Pass
11ac(VHT40)	CH159	10.97	12.50	Pass
11ac(VHT80)	CH155	11.05	12.74	Pass
11ax(HE20)(SU)	CH149	11.39	13.77	Pass
11ax(HE20)(SU)	CH157	10.65	11.61	Pass
11ax(HE20)(SU)	CH165	9.84	9.64	Pass
11ax(HE40)(SU)	CH151	11.21	13.21	Pass
11ax(HE40)(SU)	CH159	10.70	11.75	Pass
11ax(HE80)(SU)	CH155	10.87	12.22	Pass

MIMO

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	8.73	7.47	164	Pass
11a	CH44	9.05	8.04	164	Pass
11a	CH48	9.09	8.11	164	Pass
11n(HT20)	CH36	9.85	9.66	176	Pass
11n(HT20)	CH44	9.86	9.69	176	Pass
11n(HT20)	CH48	9.92	9.82	176	Pass
11n(HT40)	CH38	9.85	9.66	250	Pass
11n(HT40)	CH46	9.92	9.82	250	Pass
11ac(VHT20)	CH36	9.94	9.85	176	Pass
11ac(VHT20)	CH44	9.95	9.89	176	Pass
11ac(VHT20)	CH48	10.10	10.24	176	Pass
11ac(VHT40)	CH38	9.81	9.57	250	Pass
11ac(VHT40)	CH46	9.87	9.70	250	Pass
11ac(VHT80)	CH42	9.82	9.60	250	Pass
11ax(HE20)(SU)	CH36	9.76	9.47	189	Pass
11ax(HE20)(SU)	CH44	9.61	9.15	188	Pass
11ax(HE20)(SU)	CH48	9.72	9.38	189	Pass
11ax(HE40)(SU)	CH38	9.54	8.99	250	Pass
11ax(HE40)(SU)	CH46	9.79	9.53	250	Pass
11ax(HE80)(SU)	CH42	9.61	9.13	250	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	13.85	24.24	Pass
11a	CH157	12.96	19.76	Pass
11a	CH165	12.24	16.76	Pass
11n(HT20)	CH149	14.90	30.91	Pass
11n(HT20)	CH157	14.15	26.00	Pass
11n(HT20)	CH165	13.41	21.93	Pass
11n(HT40)	CH151	14.49	28.09	Pass
11n(HT40)	CH159	13.86	24.32	Pass
11ac(VHT20)	CH149	14.86	30.62	Pass
11ac(VHT20)	CH157	13.94	24.78	Pass
11ac(VHT20)	CH165	13.33	21.53	Pass
11ac(VHT40)	CH151	14.64	29.08	Pass
11ac(VHT40)	CH159	13.90	24.53	Pass
11ac(VHT80)	CH155	14.13	25.86	Pass
11ax(HE20)(SU)	CH149	14.49	28.13	Pass
11ax(HE20)(SU)	CH157	13.73	23.61	Pass
11ax(HE20)(SU)	CH165	12.93	19.62	Pass
11ax(HE40)(SU)	CH151	14.25	26.58	Pass
11ax(HE40)(SU)	CH159	13.62	23.02	Pass
11ax(HE80)(SU)	CH155	13.88	24.41	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note ¹: Test plots please refer to the document “Annex No.: BL-SZ24C0578-603 Data Part 1.pdf”.

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

Test Data

SISO-Main Antenna

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	20.86	16.41
11a	CH44	20.72	16.40
11a	CH48	21.09	16.40
11n(HT20)	CH36	21.38	17.58
11n(HT20)	CH44	21.76	17.58
11n(HT20)	CH48	21.66	17.59
11n(HT40)	CH38	41.73	36.11
11n(HT40)	CH46	41.74	36.07
11ac(VHT20)	CH36	21.52	17.59
11ac(VHT20)	CH44	21.65	17.58
11ac(VHT20)	CH48	21.56	17.58
11ac(VHT40)	CH38	41.69	36.05
11ac(VHT40)	CH46	41.65	36.07
11ac(VHT80)	CH42	85.87	75.41
11ax(HE20)(SU)	CH36	22.03	18.86
11ax(HE20)(SU)	CH44	22.15	18.85
11ax(HE20)(SU)	CH48	22.27	18.88
11ax(HE40)(SU)	CH38	41.82	37.59
11ax(HE40)(SU)	CH46	41.88	37.64
11ax(HE80)(SU)	CH42	84.03	76.79

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	22.50	16.45
11a	CH157	21.04	16.42
11a	CH165	21.87	16.45
11n(HT20)	CH149	23.06	17.65
11n(HT20)	CH157	23.33	17.64
11n(HT20)	CH165	23.06	17.64
11n(HT40)	CH151	44.52	36.26
11n(HT40)	CH159	47.67	36.27
11ac(VHT20)	CH149	23.19	17.64
11ac(VHT20)	CH157	22.64	17.62
11ac(VHT20)	CH165	22.36	17.62
11ac(VHT40)	CH151	45.21	36.20
11ac(VHT40)	CH159	45.76	36.22
11ac(VHT80)	CH155	87.13	75.48
11ax(HE20)(SU)	CH149	22.43	18.89
11ax(HE20)(SU)	CH157	23.25	18.88
11ax(HE20)(SU)	CH165	22.48	18.88
11ax(HE40)(SU)	CH151	52.38	37.77
11ax(HE40)(SU)	CH159	51.67	37.75
11ax(HE80)(SU)	CH155	95.09	76.95

A.3 6 dB Bandwidth

Note ¹: Test plots please refer to the document “Annex No.: BL-SZ24C0578-603 Data Part 2.pdf”.

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

Test Data

SISO-Main Antenna

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.30	500.00	Pass
11a	CH157	15.40	500.00	Pass
11a	CH165	15.40	500.00	Pass
11n(HT20)	CH149	15.30	500.00	Pass
11n(HT20)	CH157	15.40	500.00	Pass
11n(HT20)	CH165	15.40	500.00	Pass
11n(HT40)	CH151	35.20	500.00	Pass
11n(HT40)	CH159	35.20	500.00	Pass
11ac(VHT20)	CH149	15.30	500.00	Pass
11ac(VHT20)	CH157	15.40	500.00	Pass
11ac(VHT20)	CH165	15.40	500.00	Pass
11ac(VHT40)	CH151	35.20	500.00	Pass
11ac(VHT40)	CH159	35.30	500.00	Pass
11ac(VHT80)	CH155	75.20	500.00	Pass
11ax(HE20)(SU)	CH149	15.40	500.00	Pass
11ax(HE20)(SU)	CH157	15.50	500.00	Pass
11ax(HE20)(SU)	CH165	15.40	500.00	Pass
11ax(HE40)(SU)	CH151	35.20	500.00	Pass
11ax(HE40)(SU)	CH159	35.20	500.00	Pass
11ax(HE80)(SU)	CH155	75.20	500.00	Pass

A.4 Power Spectral Density

Note ¹: Test plots please refer to the document “Annex No.: BL-SZ24C0578-603 Data Part 3.pdf”.

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

Test Data

SISO-Main Antenna

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	-5.40	17.00	Pass
11a	CH44	-4.88	17.00	Pass
11a	CH48	-4.08	17.00	Pass
11n(HT20)	CH36	-4.74	17.00	Pass
11n(HT20)	CH44	-4.52	17.00	Pass
11n(HT20)	CH48	-4.21	17.00	Pass
11n(HT40)	CH38	-7.28	17.00	Pass
11n(HT40)	CH46	-6.98	17.00	Pass
11ac(VHT20)	CH36	-4.47	17.00	Pass
11ac(VHT20)	CH44	-4.24	17.00	Pass
11ac(VHT20)	CH48	-4.31	17.00	Pass
11ac(VHT40)	CH38	-7.52	17.00	Pass
11ac(VHT40)	CH46	-7.29	17.00	Pass
11ac(VHT80)	CH42	-10.45	17.00	Pass
11ax(HE20)(SU)	CH36	-4.85	17.00	Pass
11ax(HE20)(SU)	CH44	-5.01	17.00	Pass
11ax(HE20)(SU)	CH48	-4.72	17.00	Pass
11ax(HE40)(SU)	CH38	-7.70	17.00	Pass
11ax(HE40)(SU)	CH46	-7.66	17.00	Pass
11ax(HE80)(SU)	CH42	-10.99	17.00	Pass

U-NII-3 (5725 - 5850 MHz)

Note³: Transmitting antennas of directional gain in U-NII-3 (5725 MHz to 5850 MHz) is 6.1 dBi

Formulas: Directional gain = $G_{ANT} + \text{Array Gain}$, $\text{Array Gain} = 0$.

Note⁴: The total PSD method used the sum spectra maxima across the outputs.

Mode	Channel	PSD (dBm/500kHz)	FCC Limit (dBm/500kHz)	IC Limit (dBm/500kHz)	Verdict
11a	CH149	-4.69	29.90	29.90	Pass
11a	CH157	-5.97	29.90	29.90	Pass
11a	CH165	-6.52	29.90	29.90	Pass
11n(HT20)	CH149	-4.43	29.90	29.90	Pass
11n(HT20)	CH157	-5.00	29.90	29.90	Pass
11n(HT20)	CH165	-5.65	29.90	29.90	Pass
11n(HT40)	CH151	-7.58	29.90	29.90	Pass
11n(HT40)	CH159	-8.40	29.90	29.90	Pass
11ac(VHT20)	CH149	-4.37	29.90	29.90	Pass
11ac(VHT20)	CH157	-5.08	29.90	29.90	Pass
11ac(VHT20)	CH165	-6.25	29.90	29.90	Pass
11ac(VHT40)	CH151	-7.74	29.90	29.90	Pass
11ac(VHT40)	CH159	-8.39	29.90	29.90	Pass
11ac(VHT80)	CH155	-11.11	29.90	29.90	Pass
11ax(HE20)(SU)	CH149	-4.82	29.90	29.90	Pass
11ax(HE20)(SU)	CH157	-5.57	29.90	29.90	Pass
11ax(HE20)(SU)	CH165	-6.09	29.90	29.90	Pass
11ax(HE40)(SU)	CH151	-8.12	29.90	29.90	Pass
11ax(HE40)(SU)	CH159	-8.61	29.90	29.90	Pass
11ax(HE80)(SU)	CH155	-11.57	29.90	29.90	Pass

E.I.R.P

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	E.I.R.P PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
11a	CH36	-0.97	10.00	Pass
11a	CH44	-0.45	10.00	Pass
11a	CH48	0.35	10.00	Pass
11n(HT20)	CH36	-0.31	10.00	Pass
11n(HT20)	CH44	-0.09	10.00	Pass
11n(HT20)	CH48	0.22	10.00	Pass
11n(HT40)	CH38	-2.85	10.00	Pass
11n(HT40)	CH46	-2.55	10.00	Pass
11ac(VHT20)	CH36	-0.04	10.00	Pass
11ac(VHT20)	CH44	0.19	10.00	Pass
11ac(VHT20)	CH48	0.12	10.00	Pass
11ac(VHT40)	CH38	-3.09	10.00	Pass
11ac(VHT40)	CH46	-2.86	10.00	Pass
11ac(VHT80)	CH42	-6.02	10.00	Pass
11ax(HE20)(SU)	CH36	-0.42	10.00	Pass
11ax(HE20)(SU)	CH44	-0.58	10.00	Pass
11ax(HE20)(SU)	CH48	-0.29	10.00	Pass
11ax(HE40)(SU)	CH38	-3.27	10.00	Pass
11ax(HE40)(SU)	CH46	-3.23	10.00	Pass
11ax(HE80)(SU)	CH42	-6.56	10.00	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/MHz)	Verdict
11a	CH149	1.41	Pass
11a	CH157	0.13	Pass
11a	CH165	-0.42	Pass
11n(HT20)	CH149	1.67	Pass
11n(HT20)	CH157	1.10	Pass
11n(HT20)	CH165	0.45	Pass
11n(HT40)	CH151	-1.48	Pass
11n(HT40)	CH159	-2.30	Pass
11ac(VHT20)	CH149	1.73	Pass
11ac(VHT20)	CH157	1.02	Pass
11ac(VHT20)	CH165	-0.15	Pass
11ac(VHT40)	CH151	-1.64	Pass
11ac(VHT40)	CH159	-2.29	Pass
11ac(VHT80)	CH155	-5.01	Pass
11ax(HE20)(SU)	CH149	1.28	Pass
11ax(HE20)(SU)	CH157	0.53	Pass
11ax(HE20)(SU)	CH165	0.01	Pass
11ax(HE40)(SU)	CH151	-2.02	Pass
11ax(HE40)(SU)	CH159	-2.51	Pass
11ax(HE80)(SU)	CH155	-5.47	Pass

A.5 Conducted Emissions

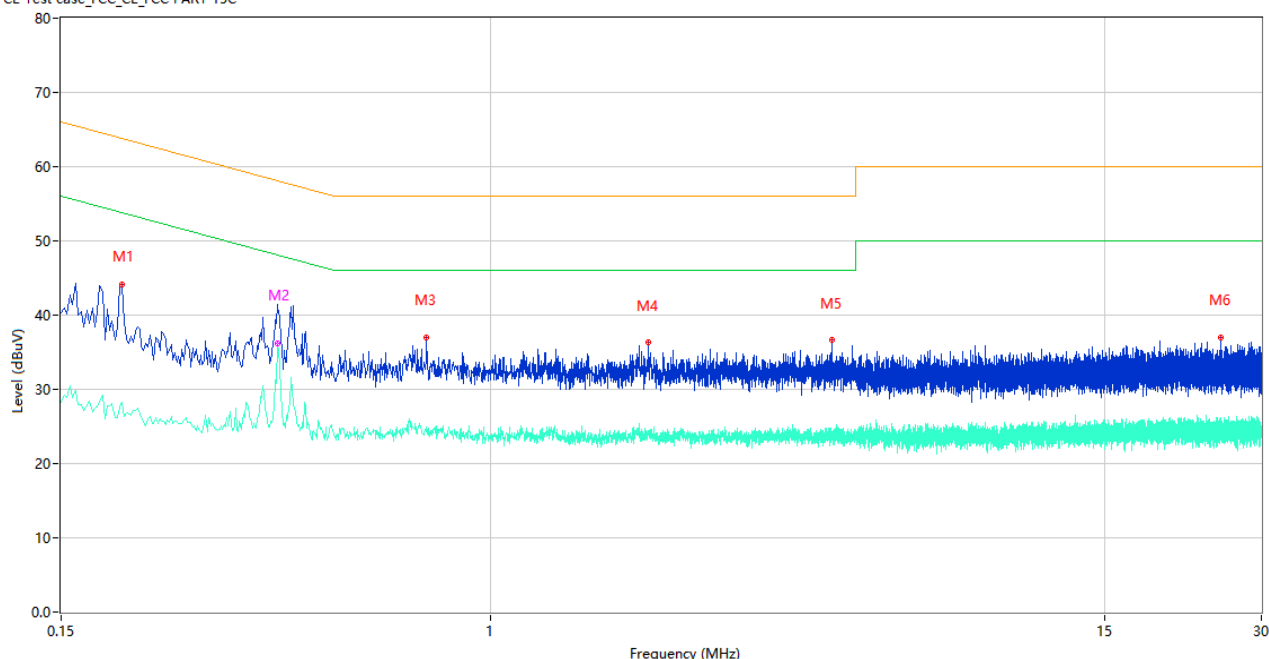
Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

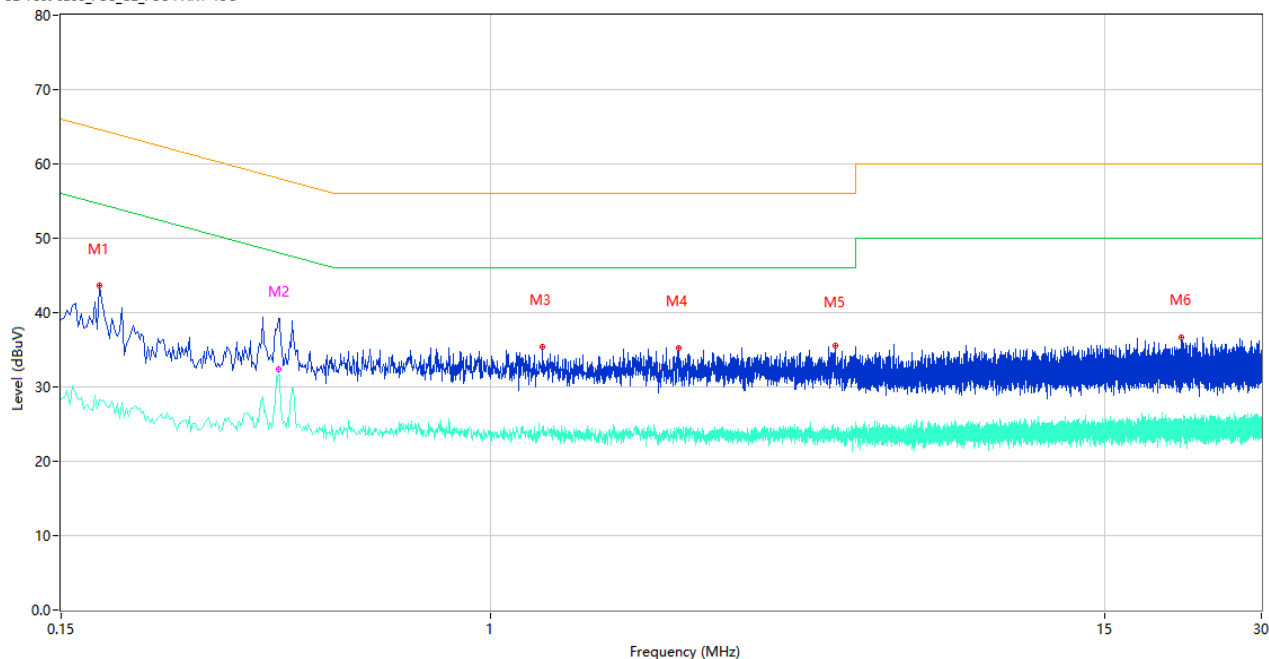
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.196	44.14	9.77	63.78	19.64	Peak	L	Pass
1**	0.196	28.28	9.77	53.78	25.50	AV	L	Pass
2	0.390	41.42	10.59	58.06	16.64	Peak	L	Pass
2**	0.390	36.18	10.59	48.06	11.88	AV	L	Pass
3	0.752	37.00	10.19	56.00	19.00	Peak	L	Pass
3**	0.752	24.66	10.19	46.00	21.34	AV	L	Pass
4	2.008	36.33	10.27	56.00	19.67	Peak	L	Pass
4**	2.008	23.98	10.27	46.00	22.02	AV	L	Pass
5	4.510	36.62	10.43	56.00	19.38	Peak	L	Pass
5**	4.510	23.99	10.43	46.00	22.01	AV	L	Pass
6	25.124	36.99	11.12	60.00	23.01	Peak	L	Pass
6**	25.124	24.21	11.12	50.00	25.79	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	0.178	43.65	9.78	64.58	20.93	Peak	N	Pass
1**	0.178	28.21	9.78	54.58	26.37	AV	N	Pass
2	0.392	39.24	10.59	58.02	18.78	Peak	N	Pass
2**	0.392	32.44	10.59	48.02	15.58	AV	N	Pass
3	1.258	35.47	10.46	56.00	20.53	Peak	N	Pass
3**	1.258	23.94	10.46	46.00	22.06	AV	N	Pass
4	2.286	35.32	10.29	56.00	20.68	Peak	N	Pass
4**	2.286	24.43	10.29	46.00	21.57	AV	N	Pass
5	4.568	35.57	10.49	56.00	20.43	Peak	N	Pass
5**	4.568	24.00	10.49	46.00	22.00	AV	N	Pass
6	21.034	36.70	11.15	60.00	23.30	Peak	N	Pass
6**	21.034	25.30	11.15	50.00	24.70	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.

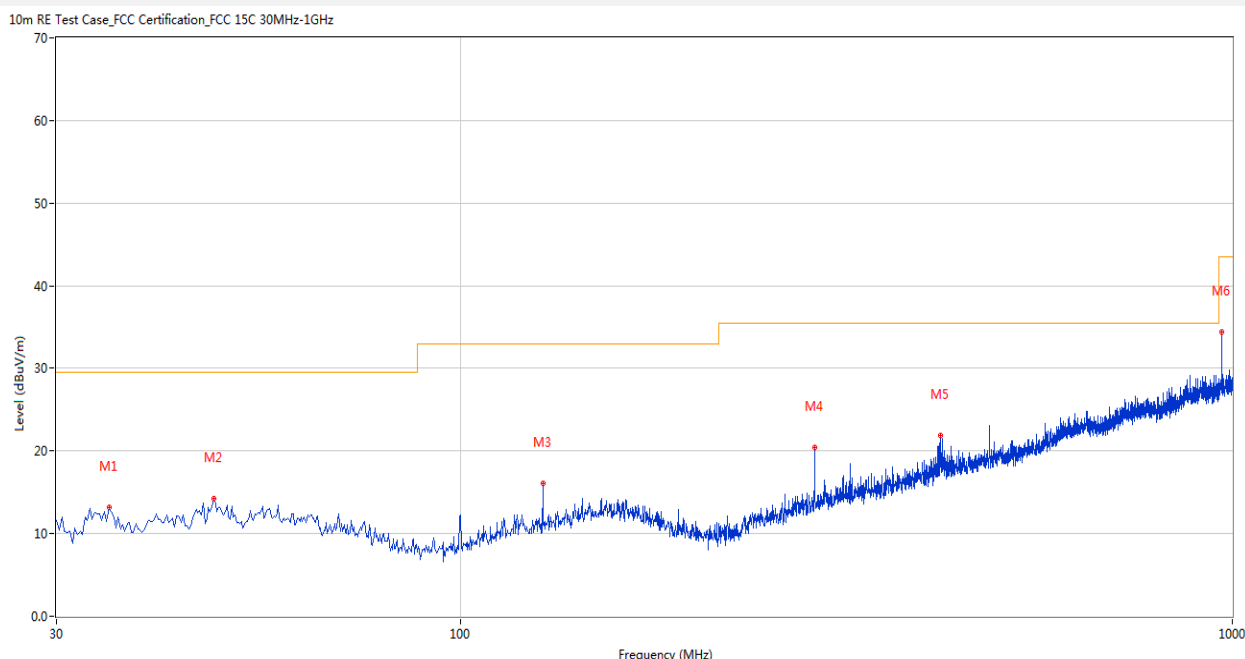
Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

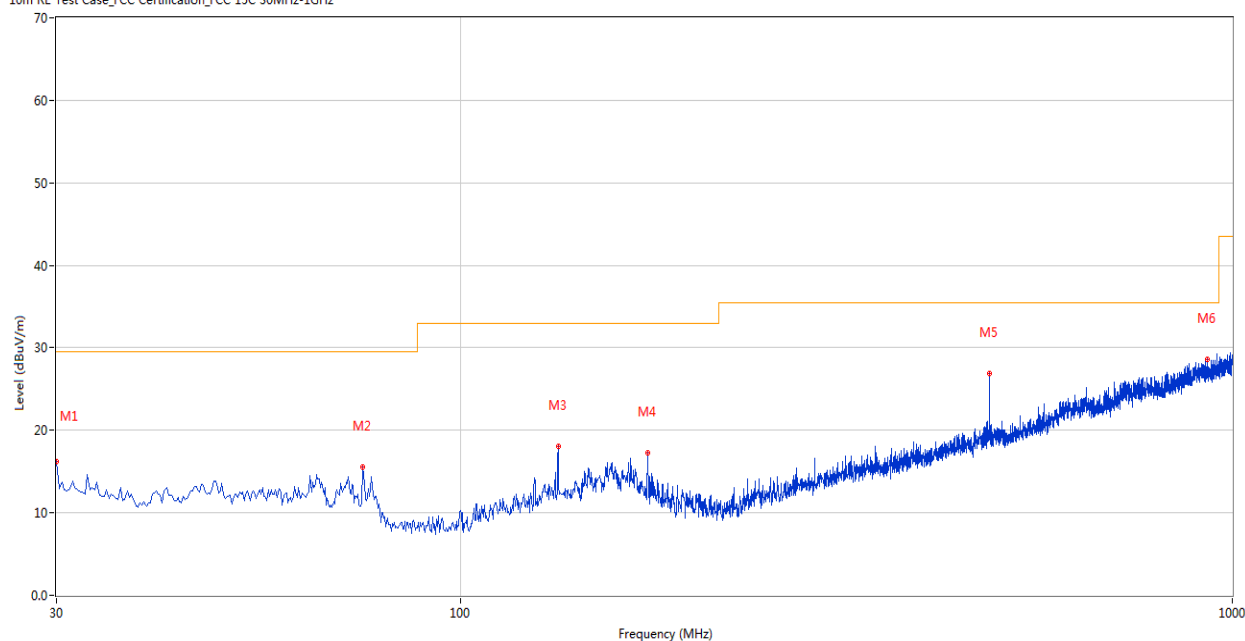
30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	35.091	13.18	-27.17	29.5	16.32	Peak	360.00	200	Horizontal	Pass
2	47.941	14.21	-26.10	29.5	15.29	Peak	151.00	200	Horizontal	Pass
3	127.946	16.12	-27.27	33.0	16.88	Peak	208.00	100	Horizontal	Pass
4	287.956	20.44	-25.18	35.5	15.06	Peak	282.00	200	Horizontal	Pass
5	418.630	21.92	-21.90	35.5	13.58	Peak	285.00	200	Horizontal	Pass
6	968.725	34.41	-10.30	43.5	9.09	Peak	115.00	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	30.000	16.20	-27.82	29.5	13.30	Peak	313.00	200	Vertical	Pass
2	74.851	15.60	-29.13	29.5	13.90	Peak	108.00	200	Vertical	Pass
3	134.006	18.06	-26.74	33.0	14.94	Peak	267.00	200	Vertical	Pass
4	174.979	17.25	-26.69	33.0	15.75	Peak	208.00	100	Vertical	Pass
5	484.331	26.84	-19.82	35.5	8.66	Peak	242.00	100	Vertical	Pass
6	927.268	28.56	-10.75	35.5	6.94	Peak	226.00	100	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.

Test Data

SISO-Main Antenna

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	1440.400	43.34	74.0	30.66	Peak	308.00	100	Horizontal	Pass
1**	1440.400	31.12	54.0	22.88	AV	308.00	100	Horizontal	Pass
2	4139.600	49.94	74.0	24.06	Peak	203.00	100	Horizontal	Pass
2**	4139.600	40.11	54.0	13.89	AV	203.00	100	Horizontal	Pass
3	5178.200	97.89	--	--	Peak	8.00	100	Horizontal	N/A
3**	5178.200	90.21	--	--	AV	8.00	100	Horizontal	N/A
4	7428.950	50.56	74.0	23.44	Peak	116.00	200	Horizontal	Pass
4**	7428.950	41.20	54.0	12.80	AV	116.00	200	Horizontal	Pass
5	12388.612	52.26	74.0	21.74	Peak	340.00	200	Horizontal	Pass
5**	12388.612	43.49	54.0	10.51	AV	340.00	200	Horizontal	Pass
6	15518.325	54.19	74.0	19.81	Peak	51.00	100	Horizontal	Pass
6**	15518.325	45.12	54.0	8.88	AV	51.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.100	45.80	74.0	28.20	Peak	346.00	300	Vertical	Pass
1**	1442.100	32.31	54.0	21.69	AV	346.00	300	Vertical	Pass
2	3684.800	49.90	74.0	24.10	Peak	195.00	400	Vertical	Pass
2**	3684.800	40.25	54.0	13.75	AV	195.00	400	Vertical	Pass
3	5177.800	91.51	--	--	Peak	69.00	200	Vertical	N/A
3**	5177.800	83.84	--	--	AV	69.00	200	Vertical	N/A
4	7335.513	49.91	74.0	24.09	Peak	255.00	300	Vertical	Pass
4**	7335.513	41.39	54.0	12.61	AV	255.00	300	Vertical	Pass
5	10916.612	52.13	74.0	21.87	Peak	340.00	150	Vertical	Pass
5**	10916.612	42.83	54.0	11.17	AV	340.00	150	Vertical	Pass
6	15520.687	54.28	74.0	19.72	Peak	305.00	100	Vertical	Pass
6**	15520.687	45.33	54.0	8.67	AV	305.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1506.200	39.57	74.0	34.43	Peak	288.00	300	Horizontal	Pass
1**	1506.200	29.43	54.0	24.57	AV	288.00	300	Horizontal	Pass
2	4284.600	51.09	74.0	22.91	Peak	262.00	100	Horizontal	Pass
2**	4284.600	40.71	54.0	13.29	AV	262.00	100	Horizontal	Pass
3	5225.400	97.70	--	--	Peak	0.00	150	Horizontal	N/A
3**	5225.400	87.48	--	--	AV	0.00	150	Horizontal	N/A
4	7673.038	50.21	74.0	23.79	Peak	49.00	300	Horizontal	Pass
4**	7673.038	40.46	54.0	13.54	AV	49.00	300	Horizontal	Pass
5	11329.175	52.60	74.0	21.40	Peak	326.00	150	Horizontal	Pass
5**	11329.175	43.71	54.0	10.29	AV	326.00	150	Horizontal	Pass
6	15505.200	55.13	74.0	18.87	Peak	127.00	400	Horizontal	Pass
6**	15505.200	45.02	54.0	8.98	AV	127.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.900	40.74	74.0	33.26	Peak	10.00	400	Vertical	Pass
1**	1439.900	30.68	54.0	23.32	AV	10.00	400	Vertical	Pass
2	4006.200	50.27	74.0	23.73	Peak	161.00	100	Vertical	Pass
2**	4006.200	39.94	54.0	14.06	AV	161.00	100	Vertical	Pass
3	5221.800	90.83	--	--	Peak	216.00	150	Vertical	N/A
3**	5221.800	82.51	--	--	AV	216.00	150	Vertical	N/A
4	7448.787	50.21	74.0	23.79	Peak	65.00	200	Vertical	Pass
4**	7448.787	41.11	54.0	12.89	AV	65.00	200	Vertical	Pass
5	11324.575	52.00	74.0	22.00	Peak	360.00	200	Vertical	Pass
5**	11324.575	42.95	54.0	11.05	AV	360.00	200	Vertical	Pass
6	15524.362	54.75	74.0	19.25	Peak	8.00	300	Vertical	Pass
6**	15524.362	45.40	54.0	8.60	AV	8.00	300	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	1441.200	42.27	74.0	31.73	Peak	16.00	200	Horizontal	Pass
1**	1441.200	31.41	54.0	22.59	AV	16.00	200	Horizontal	Pass
2	4265.400	50.37	74.0	23.63	Peak	329.00	300	Horizontal	Pass
2**	4265.400	40.09	54.0	13.91	AV	329.00	300	Horizontal	Pass
3	5237.600	97.40	--	--	Peak	34.00	200	Horizontal	N/A
3**	5237.600	87.81	--	--	AV	34.00	200	Horizontal	N/A
4	7464.888	50.82	74.0	23.18	Peak	290.00	300	Horizontal	Pass
4**	7464.888	41.13	54.0	12.87	AV	290.00	300	Horizontal	Pass
5	11933.213	51.94	74.0	22.06	Peak	0.00	200	Horizontal	Pass
5**	11933.213	42.85	54.0	11.15	AV	0.00	200	Horizontal	Pass
6	15510.450	54.82	74.0	19.18	Peak	26.00	400	Horizontal	Pass
6**	15510.450	44.70	54.0	9.30	AV	26.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.400	42.16	74.0	31.84	Peak	360.00	400	Vertical	Pass
1**	1442.400	30.92	54.0	23.08	AV	360.00	400	Vertical	Pass
2	4092.600	50.60	74.0	23.40	Peak	90.00	400	Vertical	Pass
2**	4092.600	40.54	54.0	13.46	AV	90.00	400	Vertical	Pass
3	5242.400	92.30	--	--	Peak	205.00	150	Vertical	N/A
3**	5242.400	82.26	--	--	AV	205.00	150	Vertical	N/A
4	7331.200	49.83	74.0	24.17	Peak	136.00	200	Vertical	Pass
4**	7331.200	41.15	54.0	12.85	AV	136.00	200	Vertical	Pass
5	12513.100	52.46	74.0	21.54	Peak	275.00	200	Vertical	Pass
5**	12513.100	42.26	54.0	11.74	AV	275.00	200	Vertical	Pass
6	16180.350	55.61	74.0	18.39	Peak	26.00	200	Vertical	Pass
6**	16180.350	44.69	54.0	9.31	AV	26.00	200	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	1440.900	42.36	74.0	31.64	Peak	308.00	100	Horizontal	Pass
1**	1440.900	32.41	54.0	21.59	AV	308.00	100	Horizontal	Pass
2	4191.600	50.13	74.0	23.87	Peak	183.00	400	Horizontal	Pass
2**	4191.600	40.76	54.0	13.24	AV	183.00	400	Horizontal	Pass
3	5176.400	97.34	--	--	Peak	353.00	100	Horizontal	N/A
3**	5176.400	88.79	--	--	AV	353.00	100	Horizontal	N/A
4	7449.362	49.87	74.0	24.13	Peak	360.00	300	Horizontal	Pass
4**	7449.362	40.98	54.0	13.02	AV	360.00	300	Horizontal	Pass
5	11804.125	51.96	74.0	22.04	Peak	82.00	150	Horizontal	Pass
5**	11804.125	42.02	54.0	11.98	AV	82.00	150	Horizontal	Pass
6	16083.225	55.25	74.0	18.75	Peak	225.00	100	Horizontal	Pass
6**	16083.225	45.68	54.0	8.32	AV	225.00	100	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	1442.000	44.71	74.0	29.29	Peak	333.00	100	Vertical	Pass
1**	1442.000	32.46	54.0	21.54	AV	333.00	100	Vertical	Pass
2	4215.000	49.64	74.0	24.36	Peak	353.00	100	Vertical	Pass
2**	4215.000	40.25	54.0	13.75	AV	353.00	100	Vertical	Pass
3	5177.200	91.52	--	--	Peak	37.00	200	Vertical	N/A
3**	5177.200	83.03	--	--	AV	37.00	200	Vertical	N/A
4	7715.875	50.27	74.0	23.73	Peak	101.00	400	Vertical	Pass
4**	7715.875	39.73	54.0	14.27	AV	101.00	400	Vertical	Pass
5	11847.537	52.02	74.0	21.98	Peak	171.00	150	Vertical	Pass
5**	11847.537	42.70	54.0	11.30	AV	171.00	150	Vertical	Pass
6	15990.300	54.60	74.0	19.40	Peak	265.00	400	Vertical	Pass
6**	15990.300	44.19	54.0	9.81	AV	265.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.300	42.79	74.0	31.21	Peak	83.00	200	Horizontal	Pass
1**	1440.300	32.57	54.0	21.43	AV	83.00	200	Horizontal	Pass
2	3924.600	50.45	74.0	23.55	Peak	0.00	200	Horizontal	Pass
2**	3924.600	40.19	54.0	13.81	AV	0.00	200	Horizontal	Pass
3	5216.200	97.69	--	--	Peak	32.00	100	Horizontal	N/A
3**	5216.200	88.21	--	--	AV	32.00	100	Horizontal	N/A
4	7506.575	49.69	74.0	24.31	Peak	360.00	300	Horizontal	Pass
4**	7506.575	41.51	54.0	12.49	AV	360.00	300	Horizontal	Pass
5	11795.213	51.70	74.0	22.30	Peak	257.00	200	Horizontal	Pass
5**	11795.213	43.43	54.0	10.57	AV	257.00	200	Horizontal	Pass
6	16095.300	54.40	74.0	19.60	Peak	360.00	200	Horizontal	Pass
6**	16095.300	45.29	54.0	8.71	AV	360.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.800	40.48	74.0	33.52	Peak	137.00	300	Vertical	Pass
1**	1440.800	31.92	54.0	22.08	AV	137.00	300	Vertical	Pass
2	3991.200	50.01	74.0	23.99	Peak	20.00	200	Vertical	Pass
2**	3991.200	40.04	54.0	13.96	AV	20.00	200	Vertical	Pass
3	5215.000	91.13	--	--	Peak	67.00	100	Vertical	N/A
3**	5215.000	82.60	--	--	AV	67.00	100	Vertical	N/A
4	7445.338	49.76	74.0	24.24	Peak	360.00	100	Vertical	Pass
4**	7445.338	42.65	54.0	11.35	AV	360.00	100	Vertical	Pass
5	10924.088	51.87	74.0	22.13	Peak	311.00	200	Vertical	Pass
5**	10924.088	43.00	54.0	11.00	AV	311.00	200	Vertical	Pass
6	16107.900	54.67	74.0	19.33	Peak	22.00	200	Vertical	Pass
6**	16107.900	44.63	54.0	9.37	AV	22.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.500	43.13	74.0	30.87	Peak	17.00	100	Horizontal	Pass
1**	1440.500	31.80	54.0	22.20	AV	17.00	100	Horizontal	Pass
2	4130.800	50.03	74.0	23.97	Peak	307.00	200	Horizontal	Pass
2**	4130.800	39.87	54.0	14.13	AV	307.00	200	Horizontal	Pass
3	5239.600	96.31	--	--	Peak	360.00	200	Horizontal	N/A
3**	5239.600	87.41	--	--	AV	360.00	200	Horizontal	N/A
4	7378.350	50.14	74.0	23.86	Peak	341.00	200	Horizontal	Pass
4**	7378.350	40.08	54.0	13.92	AV	341.00	200	Horizontal	Pass
5	10926.099	51.98	74.0	22.02	Peak	49.00	200	Horizontal	Pass
5**	10926.099	43.42	54.0	10.58	AV	49.00	200	Horizontal	Pass
6	15858.787	55.24	74.0	18.76	Peak	225.00	400	Horizontal	Pass
6**	15858.787	44.70	54.0	9.30	AV	225.00	400	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	1440.000	47.10	74.0	26.90	Peak	339.00	300	Vertical	Pass
1**	1440.000	31.00	54.0	23.00	AV	339.00	300	Vertical	Pass
2	4118.000	50.27	74.0	23.73	Peak	179.00	300	Vertical	Pass
2**	4118.000	40.46	54.0	13.54	AV	179.00	300	Vertical	Pass
3	5242.400	91.67	--	--	Peak	55.00	150	Vertical	N/A
3**	5242.400	82.82	--	--	AV	55.00	150	Vertical	N/A
4	7384.675	50.15	74.0	23.85	Peak	0.00	300	Vertical	Pass
4**	7384.675	39.98	54.0	14.02	AV	0.00	300	Vertical	Pass
5	12524.888	51.77	74.0	22.23	Peak	13.00	100	Vertical	Pass
5**	12524.888	42.40	54.0	11.60	AV	13.00	100	Vertical	Pass
6	15845.925	54.58	74.0	19.42	Peak	10.00	200	Vertical	Pass
6**	15845.925	45.30	54.0	8.70	AV	10.00	200	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	1574.800	38.80	74.0	35.20	Peak	279.00	400	Horizontal	Pass
1**	1574.800	29.86	54.0	24.14	AV	279.00	400	Horizontal	Pass
2	4229.200	49.98	74.0	24.02	Peak	360.00	100	Horizontal	Pass
2**	4229.200	40.38	54.0	13.62	AV	360.00	100	Horizontal	Pass
3	5191.600	92.67	--	--	Peak	22.00	150	Horizontal	N/A
3**	5191.600	86.16	--	--	AV	22.00	150	Horizontal	N/A
4	7451.087	50.66	74.0	23.34	Peak	324.00	300	Horizontal	Pass
4**	7451.087	41.92	54.0	12.08	AV	324.00	300	Horizontal	Pass
5	11825.112	51.69	74.0	22.31	Peak	358.00	200	Horizontal	Pass
5**	11825.112	42.65	54.0	11.35	AV	358.00	200	Horizontal	Pass
6	16131.787	55.46	74.0	18.54	Peak	0.00	100	Horizontal	Pass
6**	16131.787	45.24	54.0	8.76	AV	0.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1437.400	41.88	74.0	32.12	Peak	360.00	100	Vertical	Pass
1**	1437.400	31.89	54.0	22.11	AV	360.00	100	Vertical	Pass
2	4048.600	50.40	74.0	23.60	Peak	180.00	400	Vertical	Pass
2**	4048.600	41.98	54.0	12.02	AV	180.00	400	Vertical	Pass
3	5187.800	89.03	--	--	Peak	204.00	150	Vertical	N/A
3**	5187.800	81.19	--	--	AV	204.00	150	Vertical	N/A
4	7548.837	49.82	74.0	24.18	Peak	219.00	400	Vertical	Pass
4**	7548.837	40.46	54.0	13.54	AV	219.00	400	Vertical	Pass
5	10928.687	51.68	74.0	22.32	Peak	304.00	100	Vertical	Pass
5**	10928.687	43.95	54.0	10.05	AV	304.00	100	Vertical	Pass
6	15659.288	54.43	74.0	19.57	Peak	164.00	200	Vertical	Pass
6**	15659.288	45.73	54.0	8.27	AV	164.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1534.400	38.62	74.0	35.38	Peak	193.00	200	Horizontal	Pass
1**	1534.400	29.96	54.0	24.04	AV	193.00	200	Horizontal	Pass
2	4304.000	50.27	74.0	23.73	Peak	226.00	400	Horizontal	Pass
2**	4304.000	40.18	54.0	13.82	AV	226.00	400	Horizontal	Pass
3	5227.800	93.91	--	--	Peak	25.00	200	Horizontal	N/A
3**	5227.800	86.14	--	--	AV	25.00	200	Horizontal	N/A
4	7453.388	49.96	74.0	24.04	Peak	15.00	300	Horizontal	Pass
4**	7453.388	41.21	54.0	12.79	AV	15.00	300	Horizontal	Pass
5	11787.450	51.95	74.0	22.05	Peak	66.00	200	Horizontal	Pass
5**	11787.450	42.95	54.0	11.05	AV	66.00	200	Horizontal	Pass
6	16129.424	54.97	74.0	19.03	Peak	85.00	400	Horizontal	Pass
6**	16129.424	45.04	54.0	8.96	AV	85.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1443.100	41.51	74.0	32.49	Peak	112.00	400	Vertical	Pass
1**	1443.100	31.19	54.0	22.81	AV	112.00	400	Vertical	Pass
2	3982.800	50.09	74.0	23.91	Peak	179.00	100	Vertical	Pass
2**	3982.800	40.48	54.0	13.52	AV	179.00	100	Vertical	Pass
3	5228.200	88.58	--	--	Peak	111.00	200	Vertical	N/A
3**	5228.200	80.45	--	--	AV	111.00	200	Vertical	N/A
4	7307.050	50.06	74.0	23.94	Peak	0.00	100	Vertical	Pass
4**	7307.050	40.04	54.0	13.96	AV	0.00	100	Vertical	Pass
5	11825.401	52.15	74.0	21.85	Peak	187.00	150	Vertical	Pass
5**	11825.401	42.08	54.0	11.92	AV	187.00	150	Vertical	Pass
6	16092.151	54.66	74.0	19.34	Peak	283.00	300	Vertical	Pass
6**	16092.151	46.10	54.0	7.90	AV	283.00	300	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	1442.600	41.33	74.0	32.67	Peak	204.00	300	Horizontal	Pass
1**	1442.600	31.28	54.0	22.72	AV	204.00	300	Horizontal	Pass
2	4394.000	50.95	74.0	23.05	Peak	0.00	400	Horizontal	Pass
2**	4394.000	40.53	54.0	13.47	AV	0.00	400	Horizontal	Pass
3	5177.000	98.31	--	--	Peak	8.00	150	Horizontal	N/A
3**	5177.000	88.01	--	--	AV	8.00	150	Horizontal	N/A
4	7671.025	49.64	74.0	24.36	Peak	13.00	400	Horizontal	Pass
4**	7671.025	41.15	54.0	12.85	AV	13.00	400	Horizontal	Pass
5	11330.037	52.05	74.0	21.95	Peak	321.00	150	Horizontal	Pass
5**	11330.037	43.41	54.0	10.59	AV	321.00	150	Horizontal	Pass
6	16098.187	54.55	74.0	19.45	Peak	324.00	300	Horizontal	Pass
6**	16098.187	45.25	54.0	8.75	AV	324.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.100	44.58	74.0	29.42	Peak	344.00	300	Vertical	Pass
1**	1440.100	34.26	54.0	19.74	AV	344.00	300	Vertical	Pass
2	4386.400	50.14	74.0	23.86	Peak	147.00	400	Vertical	Pass
2**	4386.400	41.32	54.0	12.68	AV	147.00	400	Vertical	Pass
3	5180.200	90.19	--	--	Peak	318.00	150	Vertical	N/A
3**	5180.200	81.67	--	--	AV	318.00	150	Vertical	N/A
4	7340.112	50.34	74.0	23.66	Peak	48.00	300	Vertical	Pass
4**	7340.112	41.67	54.0	12.33	AV	48.00	300	Vertical	Pass
5	10922.937	52.15	74.0	21.85	Peak	360.00	150	Vertical	Pass
5**	10922.937	43.24	54.0	10.76	AV	360.00	150	Vertical	Pass
6	16131.526	54.96	74.0	19.04	Peak	245.00	400	Vertical	Pass
6**	16131.526	46.13	54.0	7.87	AV	245.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.400	42.92	74.0	31.08	Peak	309.00	100	Horizontal	Pass
1**	1442.400	31.52	54.0	22.48	AV	309.00	100	Horizontal	Pass
2	4081.000	50.59	74.0	23.41	Peak	274.00	200	Horizontal	Pass
2**	4081.000	40.57	54.0	13.43	AV	274.00	200	Horizontal	Pass
3	5218.600	97.43	--	--	Peak	0.00	100	Horizontal	N/A
3**	5218.600	89.36	--	--	AV	0.00	100	Horizontal	N/A
4	7498.237	50.20	74.0	23.80	Peak	274.00	100	Horizontal	Pass
4**	7498.237	40.58	54.0	13.42	AV	274.00	100	Horizontal	Pass
5	12406.150	51.90	74.0	22.10	Peak	240.00	150	Horizontal	Pass
5**	12406.150	43.03	54.0	10.97	AV	240.00	150	Horizontal	Pass
6	15722.550	54.23	74.0	19.77	Peak	247.00	300	Horizontal	Pass
6**	15722.550	44.65	54.0	9.35	AV	247.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.200	41.28	74.0	32.72	Peak	346.00	200	Vertical	Pass
1**	1440.200	31.39	54.0	22.61	AV	346.00	200	Vertical	Pass
2	4117.000	50.86	74.0	23.14	Peak	67.00	300	Vertical	Pass
2**	4117.000	40.49	54.0	13.51	AV	67.00	300	Vertical	Pass
3	5222.000	92.71	--	--	Peak	44.00	200	Vertical	N/A
3**	5222.000	82.63	--	--	AV	44.00	200	Vertical	N/A
4	7340.687	49.48	74.0	24.52	Peak	48.00	300	Vertical	Pass
4**	7340.687	41.13	54.0	12.87	AV	48.00	300	Vertical	Pass
5	11221.075	52.12	74.0	21.88	Peak	150.00	200	Vertical	Pass
5**	11221.075	42.11	54.0	11.89	AV	150.00	200	Vertical	Pass
6	16100.813	55.17	74.0	18.83	Peak	303.00	400	Vertical	Pass
6**	16100.813	45.37	54.0	8.63	AV	303.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.300	42.35	74.0	31.65	Peak	64.00	100	Horizontal	Pass
1**	1442.300	31.37	54.0	22.63	AV	64.00	100	Horizontal	Pass
2	4378.600	50.34	74.0	23.66	Peak	56.00	400	Horizontal	Pass
2**	4378.600	40.85	54.0	13.15	AV	56.00	400	Horizontal	Pass
3	5235.000	97.40	--	--	Peak	23.00	150	Horizontal	N/A
3**	5235.000	86.44	--	--	AV	23.00	150	Horizontal	N/A
4	7450.800	49.89	74.0	24.11	Peak	276.00	200	Horizontal	Pass
4**	7450.800	41.61	54.0	12.39	AV	276.00	200	Horizontal	Pass
5	10924.662	52.26	74.0	21.74	Peak	360.00	200	Horizontal	Pass
5**	10924.662	42.83	54.0	11.17	AV	360.00	200	Horizontal	Pass
6	15851.175	54.31	74.0	19.69	Peak	125.00	400	Horizontal	Pass
6**	15851.175	45.06	54.0	8.94	AV	125.00	400	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	1443.400	41.10	74.0	32.90	Peak	123.00	400	Vertical	Pass
1**	1443.400	29.65	54.0	24.35	AV	123.00	400	Vertical	Pass
2	4226.000	50.68	74.0	23.32	Peak	195.00	200	Vertical	Pass
2**	4226.000	40.11	54.0	13.89	AV	195.00	200	Vertical	Pass
3	5240.600	91.78	--	--	Peak	125.00	150	Vertical	N/A
3**	5240.600	82.77	--	--	AV	125.00	150	Vertical	N/A
4	7384.388	50.29	74.0	23.71	Peak	134.00	400	Vertical	Pass
4**	7384.388	40.62	54.0	13.38	AV	134.00	400	Vertical	Pass
5	11336.075	51.86	74.0	22.14	Peak	271.00	150	Vertical	Pass
5**	11336.075	43.21	54.0	10.79	AV	271.00	150	Vertical	Pass
6	16182.450	54.24	74.0	19.76	Peak	147.00	200	Vertical	Pass
6**	16182.450	45.28	54.0	8.72	AV	147.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.200	42.75	74.0	31.25	Peak	18.00	200	Horizontal	Pass
1**	1440.200	32.96	54.0	21.04	AV	18.00	200	Horizontal	Pass
2	3676.000	50.31	74.0	23.69	Peak	78.00	100	Horizontal	Pass
2**	3676.000	41.58	54.0	12.42	AV	78.00	100	Horizontal	Pass
3	5187.000	93.26	--	--	Peak	351.00	200	Horizontal	N/A
3**	5187.000	85.47	--	--	AV	351.00	200	Horizontal	N/A
4	7375.475	50.09	74.0	23.91	Peak	256.00	200	Horizontal	Pass
4**	7375.475	40.59	54.0	13.41	AV	256.00	200	Horizontal	Pass
5	11767.900	52.36	74.0	21.64	Peak	32.00	200	Horizontal	Pass
5**	11767.900	43.01	54.0	10.99	AV	32.00	200	Horizontal	Pass
6	16094.513	55.43	74.0	18.57	Peak	0.00	300	Horizontal	Pass
6**	16094.513	45.65	54.0	8.35	AV	0.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1441.000	41.88	74.0	32.12	Peak	135.00	100	Vertical	Pass
1**	1441.000	32.23	54.0	21.77	AV	135.00	100	Vertical	Pass
2	4378.400	50.36	74.0	23.64	Peak	318.00	100	Vertical	Pass
2**	4378.400	41.14	54.0	12.86	AV	318.00	100	Vertical	Pass
3	5188.200	88.75	--	--	Peak	112.00	200	Vertical	N/A
3**	5188.200	81.08	--	--	AV	112.00	200	Vertical	N/A
4	7447.063	50.41	74.0	23.59	Peak	205.00	200	Vertical	Pass
4**	7447.063	41.65	54.0	12.35	AV	205.00	200	Vertical	Pass
5	11908.487	51.79	74.0	22.21	Peak	256.00	200	Vertical	Pass
5**	11908.487	42.42	54.0	11.58	AV	256.00	200	Vertical	Pass
6	15553.500	54.34	74.0	19.66	Peak	0.00	100	Vertical	Pass
6**	15553.500	44.69	54.0	9.31	AV	0.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.700	43.17	74.0	30.83	Peak	63.00	400	Horizontal	Pass
1**	1442.700	31.74	54.0	22.26	AV	63.00	400	Horizontal	Pass
2	4009.400	50.78	74.0	23.22	Peak	157.00	100	Horizontal	Pass
2**	4009.400	40.51	54.0	13.49	AV	157.00	100	Horizontal	Pass
3	5228.600	93.73	--	--	Peak	30.00	100	Horizontal	N/A
3**	5228.600	86.14	--	--	AV	30.00	100	Horizontal	N/A
4	7449.650	50.21	74.0	23.79	Peak	324.00	100	Horizontal	Pass
4**	7449.650	41.94	54.0	12.06	AV	324.00	100	Horizontal	Pass
5	11338.087	52.73	74.0	21.27	Peak	358.00	150	Horizontal	Pass
5**	11338.087	43.38	54.0	10.62	AV	358.00	150	Horizontal	Pass
6	15520.687	54.44	74.0	19.56	Peak	344.00	400	Horizontal	Pass
6**	15520.687	46.10	54.0	7.90	AV	344.00	400	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	1440.900	42.20	74.0	31.80	Peak	136.00	100	Vertical	Pass
1**	1440.900	32.09	54.0	21.91	AV	136.00	100	Vertical	Pass
2	4178.600	50.00	74.0	24.00	Peak	78.00	400	Vertical	Pass
2**	4178.600	40.18	54.0	13.82	AV	78.00	400	Vertical	Pass
3	5232.000	88.54	--	--	Peak	112.00	150	Vertical	N/A
3**	5232.000	80.79	--	--	AV	112.00	150	Vertical	N/A
4	7457.700	50.25	74.0	23.75	Peak	30.00	100	Vertical	Pass
4**	7457.700	40.87	54.0	13.13	AV	30.00	100	Vertical	Pass
5	10925.525	51.94	74.0	22.06	Peak	13.00	150	Vertical	Pass
5**	10925.525	43.31	54.0	10.69	AV	13.00	150	Vertical	Pass
6	15521.212	54.32	74.0	19.68	Peak	341.00	100	Vertical	Pass
6**	15521.212	44.64	54.0	9.36	AV	341.00	100	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	1443.200	39.91	74.0	34.09	Peak	205.00	100	Horizontal	Pass
1**	1443.200	30.14	54.0	23.86	AV	205.00	100	Horizontal	Pass
2	4381.400	50.78	74.0	23.22	Peak	145.00	400	Horizontal	Pass
2**	4381.400	41.16	54.0	12.84	AV	145.00	400	Horizontal	Pass
3	5202.200	93.56	--	--	Peak	7.00	100	Horizontal	N/A
3**	5202.200	83.60	--	--	AV	7.00	100	Horizontal	N/A
4	7328.037	50.43	74.0	23.57	Peak	273.00	300	Horizontal	Pass
4**	7328.037	40.34	54.0	13.66	AV	273.00	300	Horizontal	Pass
5	10930.987	51.76	74.0	22.24	Peak	203.00	200	Horizontal	Pass
5**	10930.987	42.40	54.0	11.60	AV	203.00	200	Horizontal	Pass
6	15611.513	54.51	74.0	19.49	Peak	265.00	400	Horizontal	Pass
6**	15611.513	44.14	54.0	9.86	AV	265.00	400	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	1440.200	39.63	74.0	34.37	Peak	83.00	300	Vertical	Pass
1**	1440.200	29.51	54.0	24.49	AV	83.00	300	Vertical	Pass
2	4380.200	50.83	74.0	23.17	Peak	306.00	300	Vertical	Pass
2**	4380.200	40.53	54.0	13.47	AV	306.00	300	Vertical	Pass
3	5205.600	90.07	--	--	Peak	213.00	200	Vertical	N/A
3**	5205.600	79.45	--	--	AV	213.00	200	Vertical	N/A
4	7338.100	49.82	74.0	24.18	Peak	117.00	200	Vertical	Pass
4**	7338.100	41.42	54.0	12.58	AV	117.00	200	Vertical	Pass
5	10923.513	52.46	74.0	21.54	Peak	254.00	200	Vertical	Pass
5**	10923.513	43.99	54.0	10.01	AV	254.00	200	Vertical	Pass
6	16138.087	54.77	74.0	19.23	Peak	184.00	200	Vertical	Pass
6**	16138.087	45.96	54.0	8.04	AV	184.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.800	42.79	74.0	31.21	Peak	311.00	300	Horizontal	Pass
1**	1440.800	33.21	54.0	20.79	AV	311.00	300	Horizontal	Pass
2	4205.400	49.89	74.0	24.11	Peak	262.00	100	Horizontal	Pass
2**	4205.400	40.09	54.0	13.91	AV	262.00	100	Horizontal	Pass
3	5178.400	96.79	--	--	Peak	0.00	150	Horizontal	N/A
3**	5178.400	89.24	--	--	AV	0.00	150	Horizontal	N/A
4	7448.212	49.99	74.0	24.01	Peak	222.00	400	Horizontal	Pass
4**	7448.212	41.21	54.0	12.79	AV	222.00	400	Horizontal	Pass
5	11908.775	52.18	74.0	21.82	Peak	152.00	150	Horizontal	Pass
5**	11908.775	42.41	54.0	11.59	AV	152.00	150	Horizontal	Pass
6	15681.075	55.04	74.0	18.96	Peak	127.00	100	Horizontal	Pass
6**	15681.075	45.14	54.0	8.86	AV	127.00	100	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	1440.200	44.39	74.0	29.61	Peak	340.00	300	Vertical	Pass
1**	1440.200	33.37	54.0	20.63	AV	340.00	300	Vertical	Pass
2	4383.000	50.60	74.0	23.40	Peak	259.00	400	Vertical	Pass
2**	4383.000	40.37	54.0	13.63	AV	259.00	400	Vertical	Pass
3	5180.600	91.61	--	--	Peak	46.00	150	Vertical	N/A
3**	5180.600	82.33	--	--	AV	46.00	150	Vertical	N/A
4	7445.050	50.29	74.0	23.71	Peak	135.00	400	Vertical	Pass
4**	7445.050	40.97	54.0	13.03	AV	135.00	400	Vertical	Pass
5	10927.537	52.68	74.0	21.32	Peak	238.00	200	Vertical	Pass
5**	10927.537	43.17	54.0	10.83	AV	238.00	200	Vertical	Pass
6	16088.212	55.05	74.0	18.95	Peak	65.00	300	Vertical	Pass
6**	16088.212	46.44	54.0	7.56	AV	65.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.500	41.97	74.0	32.03	Peak	63.00	400	Horizontal	Pass
1**	1442.500	30.29	54.0	23.71	AV	63.00	400	Horizontal	Pass
2	4064.200	51.66	74.0	22.34	Peak	87.00	200	Horizontal	Pass
2**	4064.200	39.99	54.0	14.01	AV	87.00	200	Horizontal	Pass
3	5220.400	98.28	--	--	Peak	30.00	150	Horizontal	N/A
3**	5220.400	88.31	--	--	AV	30.00	150	Horizontal	N/A
4	7618.125	50.08	74.0	23.92	Peak	133.00	200	Horizontal	Pass
4**	7618.125	41.36	54.0	12.64	AV	133.00	200	Horizontal	Pass
5	11342.975	52.68	74.0	21.32	Peak	82.00	150	Horizontal	Pass
5**	11342.975	42.76	54.0	11.24	AV	82.00	150	Horizontal	Pass
6	16008.150	54.61	74.0	19.39	Peak	127.00	300	Horizontal	Pass
6**	16008.150	44.34	54.0	9.66	AV	127.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.300	42.80	74.0	31.20	Peak	340.00	400	Vertical	Pass
1**	1442.300	30.30	54.0	23.70	AV	340.00	400	Vertical	Pass
2	4264.000	50.80	74.0	23.20	Peak	170.00	300	Vertical	Pass
2**	4264.000	40.95	54.0	13.05	AV	170.00	300	Vertical	Pass
3	5218.600	92.12	--	--	Peak	68.00	100	Vertical	N/A
3**	5218.600	82.32	--	--	AV	68.00	100	Vertical	N/A
4	7634.800	49.92	74.0	24.08	Peak	98.00	300	Vertical	Pass
4**	7634.800	41.67	54.0	12.33	AV	98.00	300	Vertical	Pass
5	12481.188	51.96	74.0	22.04	Peak	306.00	150	Vertical	Pass
5**	12481.188	42.12	54.0	11.88	AV	306.00	150	Vertical	Pass
6	15666.638	54.93	74.0	19.07	Peak	184.00	200	Vertical	Pass
6**	15666.638	45.52	54.0	8.48	AV	184.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1508.900	39.10	74.0	34.90	Peak	199.00	400	Horizontal	Pass
1**	1508.900	29.24	54.0	24.76	AV	199.00	400	Horizontal	Pass
2	4286.800	50.37	74.0	23.63	Peak	77.00	400	Horizontal	Pass
2**	4286.800	41.20	54.0	12.80	AV	77.00	400	Horizontal	Pass
3	5240.800	96.48	--	--	Peak	8.00	150	Horizontal	N/A
3**	5240.800	87.61	--	--	AV	8.00	150	Horizontal	N/A
4	7330.050	49.62	74.0	24.38	Peak	254.00	400	Horizontal	Pass
4**	7330.050	40.26	54.0	13.74	AV	254.00	400	Horizontal	Pass
5	10925.237	51.99	74.0	22.01	Peak	152.00	100	Horizontal	Pass
5**	10925.237	43.24	54.0	10.76	AV	152.00	100	Horizontal	Pass
6	15858.000	54.35	74.0	19.65	Peak	7.00	100	Horizontal	Pass
6**	15858.000	44.98	54.0	9.02	AV	7.00	100	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	1443.500	40.96	74.0	33.04	Peak	119.00	300	Vertical	Pass
1**	1443.500	30.32	54.0	23.68	AV	119.00	300	Vertical	Pass
2	4383.200	50.52	74.0	23.48	Peak	160.00	100	Vertical	Pass
2**	4383.200	40.75	54.0	13.25	AV	160.00	100	Vertical	Pass
3	5241.800	92.61	--	--	Peak	217.00	200	Vertical	N/A
3**	5241.800	82.76	--	--	AV	217.00	200	Vertical	N/A
4	7383.525	49.84	74.0	24.16	Peak	325.00	400	Vertical	Pass
4**	7383.525	41.34	54.0	12.66	AV	325.00	400	Vertical	Pass
5	11946.724	52.50	74.0	21.50	Peak	274.00	200	Vertical	Pass
5**	11946.724	42.39	54.0	11.61	AV	274.00	200	Vertical	Pass
6	16099.500	54.99	74.0	19.01	Peak	185.00	400	Vertical	Pass
6**	16099.500	46.17	54.0	7.83	AV	185.00	400	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	1613.700	38.54	74.0	35.46	Peak	216.00	100	Horizontal	Pass
1**	1613.700	28.82	54.0	25.18	AV	216.00	100	Horizontal	Pass
2	4069.000	50.14	74.0	23.86	Peak	55.00	400	Horizontal	Pass
2**	4069.000	40.39	54.0	13.61	AV	55.00	400	Horizontal	Pass
3	5191.600	92.95	--	--	Peak	10.00	100	Horizontal	N/A
3**	5191.600	85.77	--	--	AV	10.00	100	Horizontal	N/A
4	7443.900	50.63	74.0	23.37	Peak	154.00	200	Horizontal	Pass
4**	7443.900	40.54	54.0	13.46	AV	154.00	200	Horizontal	Pass
5	11780.263	52.07	74.0	21.93	Peak	14.00	100	Horizontal	Pass
5**	11780.263	42.29	54.0	11.71	AV	14.00	100	Horizontal	Pass
6	16097.401	54.58	74.0	19.42	Peak	126.00	200	Horizontal	Pass
6**	16097.401	46.45	54.0	7.55	AV	126.00	200	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	1441.100	40.93	74.0	33.07	Peak	0.00	200	Vertical	Pass
1**	1441.100	31.16	54.0	22.84	AV	0.00	200	Vertical	Pass
2	4323.600	50.15	74.0	23.85	Peak	55.00	200	Vertical	Pass
2**	4323.600	39.78	54.0	14.22	AV	55.00	200	Vertical	Pass
3	5192.000	88.97	--	--	Peak	112.00	150	Vertical	N/A
3**	5192.000	80.38	--	--	AV	112.00	150	Vertical	N/A
4	7512.037	49.42	74.0	24.58	Peak	203.00	300	Vertical	Pass
4**	7512.037	40.49	54.0	13.51	AV	203.00	300	Vertical	Pass
5	11947.300	51.85	74.0	22.15	Peak	83.00	100	Vertical	Pass
5**	11947.300	42.61	54.0	11.39	AV	83.00	100	Vertical	Pass
6	16144.650	55.32	74.0	18.68	Peak	324.00	100	Vertical	Pass
6**	16144.650	45.51	54.0	8.49	AV	324.00	100	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	1440.300	54.73	74.0	19.27	Peak	167.00	400	Horizontal	Pass
1**	1440.300	33.58	54.0	20.42	AV	167.00	400	Horizontal	Pass
2	3762.200	49.98	74.0	24.02	Peak	90.00	300	Horizontal	Pass
2**	3762.200	40.21	54.0	13.79	AV	90.00	300	Horizontal	Pass
3	5226.000	94.19	--	--	Peak	33.00	200	Horizontal	N/A
3**	5226.000	85.80	--	--	AV	33.00	200	Horizontal	N/A
4	7525.837	49.79	74.0	24.21	Peak	221.00	200	Horizontal	Pass
4**	7525.837	39.70	54.0	14.30	AV	221.00	200	Horizontal	Pass
5	11321.700	52.29	74.0	21.71	Peak	82.00	150	Horizontal	Pass
5**	11321.700	42.61	54.0	11.39	AV	82.00	150	Horizontal	Pass
6	15840.151	54.30	74.0	19.70	Peak	25.00	300	Horizontal	Pass
6**	15840.151	44.26	54.0	9.74	AV	25.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1443.200	41.65	74.0	32.35	Peak	115.00	300	Vertical	Pass
1**	1443.200	32.36	54.0	21.64	AV	115.00	300	Vertical	Pass
2	4378.800	50.22	74.0	23.78	Peak	101.00	300	Vertical	Pass
2**	4378.800	40.82	54.0	13.18	AV	101.00	300	Vertical	Pass
3	5232.800	87.90	--	--	Peak	113.00	150	Vertical	N/A
3**	5232.800	81.75	--	--	AV	113.00	150	Vertical	N/A
4	7432.975	49.82	74.0	24.18	Peak	358.00	300	Vertical	Pass
4**	7432.975	40.93	54.0	13.07	AV	358.00	300	Vertical	Pass
5	11325.438	52.17	74.0	21.83	Peak	66.00	200	Vertical	Pass
5**	11325.438	42.45	54.0	11.55	AV	66.00	200	Vertical	Pass
6	15834.375	55.46	74.0	18.54	Peak	324.00	400	Vertical	Pass
6**	15834.375	45.10	54.0	8.90	AV	324.00	400	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	1440.100	40.22	74.0	33.78	Peak	198.00	400	Horizontal	Pass
1**	1440.100	30.49	54.0	23.51	AV	198.00	400	Horizontal	Pass
2	4159.000	50.09	74.0	23.91	Peak	280.00	100	Horizontal	Pass
2**	4159.000	40.57	54.0	13.43	AV	280.00	100	Horizontal	Pass
3	5210.800	93.24	--	--	Peak	20.00	150	Horizontal	N/A
3**	5210.800	84.13	--	--	AV	20.00	150	Horizontal	N/A
4	7320.563	49.82	74.0	24.18	Peak	183.00	300	Horizontal	Pass
4**	7320.563	41.40	54.0	12.60	AV	183.00	300	Horizontal	Pass
5	11363.675	52.15	74.0	21.85	Peak	73.00	150	Horizontal	Pass
5**	11363.675	42.60	54.0	11.40	AV	73.00	150	Horizontal	Pass
6	16093.987	55.02	74.0	18.98	Peak	60.00	100	Horizontal	Pass
6**	16093.987	45.49	54.0	8.51	AV	60.00	100	Horizontal	Pass

11ax80(SU), U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.200	39.37	74.0	34.63	Peak	119.00	300	Vertical	Pass
1**	1500.200	30.16	54.0	23.84	AV	119.00	300	Vertical	Pass
2	4316.000	50.12	74.0	23.88	Peak	0.00	400	Vertical	Pass
2**	4316.000	40.00	54.0	14.00	AV	0.00	400	Vertical	Pass
3	5208.800	88.01	--	--	Peak	192.00	100	Vertical	N/A
3**	5208.800	79.20	--	--	AV	192.00	100	Vertical	N/A
4	7465.750	50.25	74.0	23.75	Peak	0.00	100	Vertical	Pass
4**	7465.750	40.76	54.0	13.24	AV	0.00	100	Vertical	Pass
5	11207.562	51.95	74.0	22.05	Peak	133.00	200	Vertical	Pass
5**	11207.562	42.00	54.0	12.00	AV	133.00	200	Vertical	Pass
6	16097.138	54.66	74.0	19.34	Peak	7.00	100	Vertical	Pass
6**	16097.138	45.77	54.0	8.23	AV	7.00	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	1622.300	38.60	74.0	35.40	Peak	150.00	400	Horizontal	Pass
1**	1622.300	29.95	54.0	24.05	AV	150.00	400	Horizontal	Pass
2	4095.200	50.87	74.0	23.13	Peak	214.00	300	Horizontal	Pass
2**	4095.200	40.40	54.0	13.60	AV	214.00	300	Horizontal	Pass
3	5746.200	96.42	--	--	Peak	349.00	200	Horizontal	N/A
3**	5746.200	87.86	--	--	AV	349.00	200	Horizontal	N/A
4	7508.300	50.09	74.0	23.91	Peak	360.00	300	Horizontal	Pass
4**	7508.300	40.25	54.0	13.75	AV	360.00	300	Horizontal	Pass
5	11328.888	52.24	74.0	21.76	Peak	50.00	150	Horizontal	Pass
5**	11328.888	42.88	54.0	11.12	AV	50.00	150	Horizontal	Pass
6	15517.013	54.95	74.0	19.05	Peak	185.00	400	Horizontal	Pass
6**	15517.013	45.21	54.0	8.79	AV	185.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.600	39.49	74.0	34.51	Peak	108.00	300	Vertical	Pass
1**	1499.600	29.19	54.0	24.81	AV	108.00	300	Vertical	Pass
2	3956.600	49.85	74.0	24.15	Peak	156.00	300	Vertical	Pass
2**	3956.600	40.18	54.0	13.82	AV	156.00	300	Vertical	Pass
3	5743.200	89.51	--	--	Peak	179.00	150	Vertical	N/A
3**	5743.200	81.50	--	--	AV	179.00	150	Vertical	N/A
4	7363.400	49.95	74.0	24.05	Peak	239.00	200	Vertical	Pass
4**	7363.400	40.01	54.0	13.99	AV	239.00	200	Vertical	Pass
5	10927.250	51.69	74.0	22.31	Peak	154.00	100	Vertical	Pass
5**	10927.250	42.99	54.0	11.01	AV	154.00	100	Vertical	Pass
6	16105.800	54.78	74.0	19.22	Peak	119.00	400	Vertical	Pass
6**	16105.800	45.52	54.0	8.48	AV	119.00	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	1509.100	38.94	74.0	35.06	Peak	265.00	400	Horizontal	Pass
1**	1509.100	30.53	54.0	23.47	AV	265.00	400	Horizontal	Pass
2	4085.600	49.67	74.0	24.33	Peak	31.00	100	Horizontal	Pass
2**	4085.600	40.11	54.0	13.89	AV	31.00	100	Horizontal	Pass
3	5784.000	95.76	--	--	Peak	337.00	150	Horizontal	N/A
3**	5784.000	87.14	--	--	AV	337.00	150	Horizontal	N/A
4	7380.938	49.85	74.0	24.15	Peak	152.00	200	Horizontal	Pass
4**	7380.938	41.47	54.0	12.53	AV	152.00	200	Horizontal	Pass
5	11950.463	51.68	74.0	22.32	Peak	186.00	100	Horizontal	Pass
5**	11950.463	41.99	54.0	12.01	AV	186.00	100	Horizontal	Pass
6	16124.963	54.29	74.0	19.71	Peak	148.00	100	Horizontal	Pass
6**	16124.963	44.87	54.0	9.13	AV	148.00	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	1500.000	40.30	74.0	33.70	Peak	62.00	400	Vertical	Pass
1**	1500.000	32.74	54.0	21.26	AV	62.00	400	Vertical	Pass
2	3676.600	50.25	74.0	23.75	Peak	67.00	300	Vertical	Pass
2**	3676.600	41.01	54.0	12.99	AV	67.00	300	Vertical	Pass
3	5782.200	87.96	--	--	Peak	190.00	150	Vertical	N/A
3**	5782.200	79.51	--	--	AV	190.00	150	Vertical	N/A
4	7337.525	50.55	74.0	23.45	Peak	187.00	400	Vertical	Pass
4**	7337.525	41.46	54.0	12.54	AV	187.00	400	Vertical	Pass
5	10926.675	52.51	74.0	21.49	Peak	170.00	150	Vertical	Pass
5**	10926.675	42.56	54.0	11.44	AV	170.00	150	Vertical	Pass
6	15530.401	55.03	74.0	18.97	Peak	165.00	200	Vertical	Pass
6**	15530.401	45.80	54.0	8.20	AV	165.00	200	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	1597.000	38.76	74.0	35.24	Peak	78.00	100	Horizontal	Pass
1**	1597.000	29.82	54.0	24.18	AV	78.00	100	Horizontal	Pass
2	4258.000	50.19	74.0	23.81	Peak	196.00	400	Horizontal	Pass
2**	4258.000	41.28	54.0	12.72	AV	196.00	400	Horizontal	Pass
3	5822.200	93.71	--	--	Peak	360.00	100	Horizontal	N/A
3**	5822.200	83.80	--	--	AV	360.00	100	Horizontal	N/A
4	7514.913	50.56	74.0	23.44	Peak	68.00	200	Horizontal	Pass
4**	7514.913	40.83	54.0	13.17	AV	68.00	200	Horizontal	Pass
5	11916.537	52.04	74.0	21.96	Peak	171.00	150	Horizontal	Pass
5**	11916.537	43.06	54.0	10.94	AV	171.00	150	Horizontal	Pass
6	16086.112	55.06	74.0	18.94	Peak	48.00	200	Horizontal	Pass
6**	16086.112	45.37	54.0	8.63	AV	48.00	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	1604.800	39.11	74.0	34.89	Peak	0.00	400	Vertical	Pass
1**	1604.800	30.19	54.0	23.81	AV	0.00	400	Vertical	Pass
2	4386.800	49.76	74.0	24.24	Peak	77.00	200	Vertical	Pass
2**	4386.800	40.96	54.0	13.04	AV	77.00	200	Vertical	Pass
3	5823.200	87.09	--	--	Peak	178.00	100	Vertical	N/A
3**	5823.200	77.63	--	--	AV	178.00	100	Vertical	N/A
4	7602.313	49.76	74.0	24.24	Peak	0.00	300	Vertical	Pass
4**	7602.313	40.21	54.0	13.79	AV	0.00	300	Vertical	Pass
5	11821.088	53.29	74.0	20.71	Peak	356.00	200	Vertical	Pass
5**	11821.088	43.14	54.0	10.86	AV	356.00	200	Vertical	Pass
6	15803.924	55.00	74.0	19.00	Peak	302.00	400	Vertical	Pass
6**	15803.924	45.04	54.0	8.96	AV	302.00	400	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	1606.100	39.28	74.0	34.72	Peak	337.00	200	Horizontal	Pass
1**	1606.100	29.19	54.0	24.81	AV	337.00	200	Horizontal	Pass
2	4283.800	50.46	74.0	23.54	Peak	326.00	100	Horizontal	Pass
2**	4283.800	40.77	54.0	13.23	AV	326.00	100	Horizontal	Pass
3	5743.200	96.60	--	--	Peak	326.00	200	Horizontal	N/A
3**	5743.200	88.79	--	--	AV	326.00	200	Horizontal	N/A
4	7382.663	50.13	74.0	23.87	Peak	33.00	300	Horizontal	Pass
4**	7382.663	40.10	54.0	13.90	AV	33.00	300	Horizontal	Pass
5	11781.412	52.33	74.0	21.67	Peak	67.00	100	Horizontal	Pass
5**	11781.412	43.39	54.0	10.61	AV	67.00	100	Horizontal	Pass
6	15681.863	54.83	74.0	19.17	Peak	108.00	400	Horizontal	Pass
6**	15681.863	45.85	54.0	8.15	AV	108.00	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	1453.800	39.01	74.0	34.99	Peak	339.00	200	Vertical	Pass
1**	1453.800	29.47	54.0	24.53	AV	339.00	200	Vertical	Pass
2	4265.000	49.93	74.0	24.07	Peak	101.00	200	Vertical	Pass
2**	4265.000	41.03	54.0	12.97	AV	101.00	200	Vertical	Pass
3	5741.200	90.04	--	--	Peak	179.00	150	Vertical	N/A
3**	5741.200	80.14	--	--	AV	179.00	150	Vertical	N/A
4	7440.737	50.10	74.0	23.90	Peak	258.00	400	Vertical	Pass
4**	7440.737	40.71	54.0	13.29	AV	258.00	400	Vertical	Pass
5	11942.700	51.86	74.0	22.14	Peak	258.00	150	Vertical	Pass
5**	11942.700	43.27	54.0	10.73	AV	258.00	150	Vertical	Pass
6	16063.799	54.43	74.0	19.57	Peak	106.00	100	Vertical	Pass
6**	16063.799	44.47	54.0	9.53	AV	106.00	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	1497.400	39.76	74.0	34.24	Peak	89.00	100	Horizontal	Pass
1**	1497.400	28.79	54.0	25.21	AV	89.00	100	Horizontal	Pass
2	4310.000	49.77	74.0	24.23	Peak	316.00	300	Horizontal	Pass
2**	4310.000	40.57	54.0	13.43	AV	316.00	300	Horizontal	Pass
3	5784.000	94.74	--	--	Peak	360.00	150	Horizontal	N/A
3**	5784.000	86.26	--	--	AV	360.00	150	Horizontal	N/A
4	7435.275	50.19	74.0	23.81	Peak	358.00	100	Horizontal	Pass
4**	7435.275	40.75	54.0	13.25	AV	358.00	100	Horizontal	Pass
5	11780.838	52.08	74.0	21.92	Peak	68.00	200	Horizontal	Pass
5**	11780.838	42.97	54.0	11.03	AV	68.00	200	Horizontal	Pass
6	15630.675	55.08	74.0	18.92	Peak	0.00	100	Horizontal	Pass
6**	15630.675	44.17	54.0	9.83	AV	0.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1487.100	39.29	74.0	34.71	Peak	257.00	200	Vertical	Pass
1**	1487.100	29.95	54.0	24.05	AV	257.00	200	Vertical	Pass
2	4299.200	50.95	74.0	23.05	Peak	237.00	300	Vertical	Pass
2**	4299.200	40.62	54.0	13.38	AV	237.00	300	Vertical	Pass
3	5783.400	88.43	--	--	Peak	203.00	200	Vertical	N/A
3**	5783.400	79.82	--	--	AV	203.00	200	Vertical	N/A
4	7338.387	50.17	74.0	23.83	Peak	33.00	400	Vertical	Pass
4**	7338.387	41.42	54.0	12.58	AV	33.00	400	Vertical	Pass
5	12461.638	52.21	74.0	21.79	Peak	186.00	200	Vertical	Pass
5**	12461.638	41.88	54.0	12.12	AV	186.00	200	Vertical	Pass
6	16196.362	54.53	74.0	19.47	Peak	341.00	300	Vertical	Pass
6**	16196.362	45.86	54.0	8.14	AV	341.00	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	1441.700	39.15	74.0	34.85	Peak	345.00	300	Horizontal	Pass
1**	1441.700	29.10	54.0	24.90	AV	345.00	300	Horizontal	Pass
2	4121.600	50.20	74.0	23.80	Peak	236.00	100	Horizontal	Pass
2**	4121.600	41.53	54.0	12.47	AV	236.00	100	Horizontal	Pass
3	5823.600	93.47	--	--	Peak	348.00	150	Horizontal	N/A
3**	5823.600	84.81	--	--	AV	348.00	150	Horizontal	N/A
4	7447.638	50.63	74.0	23.37	Peak	154.00	400	Horizontal	Pass
4**	7447.638	40.48	54.0	13.52	AV	154.00	400	Horizontal	Pass
5	10919.775	51.97	74.0	22.03	Peak	292.00	100	Horizontal	Pass
5**	10919.775	43.08	54.0	10.92	AV	292.00	100	Horizontal	Pass
6	16129.950	54.85	74.0	19.15	Peak	144.00	200	Horizontal	Pass
6**	16129.950	47.04	54.0	6.96	AV	144.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.700	40.42	74.0	33.58	Peak	64.00	400	Vertical	Pass
1**	1497.700	29.34	54.0	24.66	AV	64.00	400	Vertical	Pass
2	4396.200	50.69	74.0	23.31	Peak	302.00	300	Vertical	Pass
2**	4396.200	40.16	54.0	13.84	AV	302.00	300	Vertical	Pass
3	5824.000	86.89	--	--	Peak	178.00	150	Vertical	N/A
3**	5824.000	78.35	--	--	AV	178.00	150	Vertical	N/A
4	7597.712	50.76	74.0	23.24	Peak	188.00	300	Vertical	Pass
4**	7597.712	40.58	54.0	13.42	AV	188.00	300	Vertical	Pass
5	11779.112	52.61	74.0	21.39	Peak	340.00	200	Vertical	Pass
5**	11779.112	42.23	54.0	11.77	AV	340.00	200	Vertical	Pass
6	15654.038	55.14	74.0	18.86	Peak	220.00	100	Vertical	Pass
6**	15654.038	44.84	54.0	9.16	AV	220.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1504.600	38.61	74.0	35.39	Peak	356.00	100	Horizontal	Pass
1**	1504.600	29.90	54.0	24.10	AV	356.00	100	Horizontal	Pass
2	4185.000	50.02	74.0	23.98	Peak	267.00	400	Horizontal	Pass
2**	4185.000	40.77	54.0	13.23	AV	267.00	400	Horizontal	Pass
3	5753.000	92.52	--	--	Peak	324.00	200	Horizontal	N/A
3**	5753.000	84.65	--	--	AV	324.00	200	Horizontal	N/A
4	7617.838	50.40	74.0	23.60	Peak	360.00	300	Horizontal	Pass
4**	7617.838	40.85	54.0	13.15	AV	360.00	300	Horizontal	Pass
5	11935.799	52.90	74.0	21.10	Peak	360.00	150	Horizontal	Pass
5**	11935.799	42.78	54.0	11.22	AV	360.00	150	Horizontal	Pass
6	15523.313	55.08	74.0	18.92	Peak	115.00	400	Horizontal	Pass
6**	15523.313	46.75	54.0	7.25	AV	115.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1476.900	38.83	74.0	35.17	Peak	24.00	300	Vertical	Pass
1**	1476.900	30.19	54.0	23.81	AV	24.00	300	Vertical	Pass
2	4264.200	50.09	74.0	23.91	Peak	42.00	400	Vertical	Pass
2**	4264.200	41.22	54.0	12.78	AV	42.00	400	Vertical	Pass
3	5756.800	84.54	--	--	Peak	187.00	200	Vertical	N/A
3**	5756.800	76.46	--	--	AV	187.00	200	Vertical	N/A
4	7434.700	49.69	74.0	24.31	Peak	291.00	100	Vertical	Pass
4**	7434.700	41.10	54.0	12.90	AV	291.00	100	Vertical	Pass
5	11942.700	52.56	74.0	21.44	Peak	257.00	200	Vertical	Pass
5**	11942.700	42.73	54.0	11.27	AV	257.00	200	Vertical	Pass
6	16120.237	54.54	74.0	19.46	Peak	360.00	100	Vertical	Pass
6**	16120.237	44.64	54.0	9.36	AV	360.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1557.600	39.21	74.0	34.79	Peak	258.00	300	Horizontal	Pass
1**	1557.600	29.80	54.0	24.20	AV	258.00	300	Horizontal	Pass
2	4278.800	51.07	74.0	22.93	Peak	256.00	300	Horizontal	Pass
2**	4278.800	40.59	54.0	13.41	AV	256.00	300	Horizontal	Pass
3	5793.400	89.76	--	--	Peak	324.00	200	Horizontal	N/A
3**	5793.400	82.44	--	--	AV	324.00	200	Horizontal	N/A
4	7466.325	49.94	74.0	24.06	Peak	69.00	300	Horizontal	Pass
4**	7466.325	40.23	54.0	13.77	AV	69.00	300	Horizontal	Pass
5	11939.826	52.10	74.0	21.90	Peak	360.00	100	Horizontal	Pass
5**	11939.826	42.83	54.0	11.17	AV	360.00	100	Horizontal	Pass
6	16105.275	55.38	74.0	18.62	Peak	141.00	400	Horizontal	Pass
6**	16105.275	46.21	54.0	7.79	AV	141.00	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	1496.500	40.11	74.0	33.89	Peak	125.00	100	Vertical	Pass
1**	1496.500	28.93	54.0	25.07	AV	125.00	100	Vertical	Pass
2	3600.400	50.13	74.0	23.87	Peak	121.00	400	Vertical	Pass
2**	3600.400	39.75	54.0	14.25	AV	121.00	400	Vertical	Pass
3	5798.200	83.98	--	--	Peak	85.00	200	Vertical	N/A
3**	5798.200	76.49	--	--	AV	85.00	200	Vertical	N/A
4	7299.288	50.24	74.0	23.76	Peak	327.00	300	Vertical	Pass
4**	7299.288	39.79	54.0	14.21	AV	327.00	300	Vertical	Pass
5	10913.738	52.69	74.0	21.31	Peak	103.00	100	Vertical	Pass
5**	10913.738	43.24	54.0	10.76	AV	103.00	100	Vertical	Pass
6	15661.388	55.48	74.0	18.52	Peak	320.00	400	Vertical	Pass
6**	15661.388	45.23	54.0	8.77	AV	320.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1488.800	38.65	74.0	35.35	Peak	88.00	300	Horizontal	Pass
1**	1488.800	29.69	54.0	24.31	AV	88.00	300	Horizontal	Pass
2	4296.800	50.72	74.0	23.28	Peak	109.00	100	Horizontal	Pass
2**	4296.800	41.09	54.0	12.91	AV	109.00	100	Horizontal	Pass
3	5743.200	96.24	--	--	Peak	328.00	150	Horizontal	N/A
3**	5743.200	87.56	--	--	AV	328.00	150	Horizontal	N/A
4	7490.763	50.16	74.0	23.84	Peak	289.00	300	Horizontal	Pass
4**	7490.763	40.75	54.0	13.25	AV	289.00	300	Horizontal	Pass
5	11918.550	52.04	74.0	21.96	Peak	51.00	150	Horizontal	Pass
5**	11918.550	42.76	54.0	11.24	AV	51.00	150	Horizontal	Pass
6	16090.575	54.35	74.0	19.65	Peak	243.00	300	Horizontal	Pass
6**	16090.575	44.65	54.0	9.35	AV	243.00	300	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	1487.900	39.03	74.0	34.97	Peak	265.00	400	Vertical	Pass
1**	1487.900	29.76	54.0	24.24	AV	265.00	400	Vertical	Pass
2	4389.200	50.23	74.0	23.77	Peak	144.00	400	Vertical	Pass
2**	4389.200	40.59	54.0	13.41	AV	144.00	400	Vertical	Pass
3	5740.000	89.93	--	--	Peak	178.00	100	Vertical	N/A
3**	5740.000	78.81	--	--	AV	178.00	100	Vertical	N/A
4	7747.500	49.97	74.0	24.03	Peak	360.00	400	Vertical	Pass
4**	7747.500	39.53	54.0	14.47	AV	360.00	400	Vertical	Pass
5	11931.487	52.37	74.0	21.63	Peak	0.00	150	Vertical	Pass
5**	11931.487	42.61	54.0	11.39	AV	0.00	150	Vertical	Pass
6	16079.025	54.91	74.0	19.09	Peak	262.00	300	Vertical	Pass
6**	16079.025	44.64	54.0	9.36	AV	262.00	300	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	1503.900	39.29	74.0	34.71	Peak	48.00	200	Horizontal	Pass
1**	1503.900	29.66	54.0	24.34	AV	48.00	200	Horizontal	Pass
2	4229.400	50.87	74.0	23.13	Peak	25.00	400	Horizontal	Pass
2**	4229.400	41.03	54.0	12.97	AV	25.00	400	Horizontal	Pass
3	5781.200	94.60	--	--	Peak	326.00	100	Horizontal	N/A
3**	5781.200	86.08	--	--	AV	326.00	100	Horizontal	N/A
4	7509.737	50.36	74.0	23.64	Peak	0.00	100	Horizontal	Pass
4**	7509.737	40.53	54.0	13.47	AV	0.00	100	Horizontal	Pass
5	11940.688	52.70	74.0	21.30	Peak	274.00	200	Horizontal	Pass
5**	11940.688	42.35	54.0	11.65	AV	274.00	200	Horizontal	Pass
6	15635.401	55.18	74.0	18.82	Peak	263.00	100	Horizontal	Pass
6**	15635.401	44.71	54.0	9.29	AV	263.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1536.700	39.10	74.0	34.90	Peak	157.00	200	Vertical	Pass
1**	1536.700	29.57	54.0	24.43	AV	157.00	200	Vertical	Pass
2	4181.600	49.94	74.0	24.06	Peak	115.00	400	Vertical	Pass
2**	4181.600	40.40	54.0	13.60	AV	115.00	400	Vertical	Pass
3	5783.400	88.06	--	--	Peak	192.00	150	Vertical	N/A
3**	5783.400	79.28	--	--	AV	192.00	150	Vertical	N/A
4	7610.362	50.06	74.0	23.94	Peak	360.00	100	Vertical	Pass
4**	7610.362	40.85	54.0	13.15	AV	360.00	100	Vertical	Pass
5	10930.987	52.19	74.0	21.81	Peak	258.00	100	Vertical	Pass
5**	10930.987	42.82	54.0	11.18	AV	258.00	100	Vertical	Pass
6	15562.687	55.50	74.0	18.50	Peak	41.00	200	Vertical	Pass
6**	15562.687	45.33	54.0	8.67	AV	41.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1529.600	38.79	74.0	35.21	Peak	22.00	100	Horizontal	Pass
1**	1529.600	28.83	54.0	25.17	AV	22.00	100	Horizontal	Pass
2	4344.000	50.54	74.0	23.46	Peak	54.00	200	Horizontal	Pass
2**	4344.000	40.58	54.0	13.42	AV	54.00	200	Horizontal	Pass
3	5823.200	93.88	--	--	Peak	326.00	200	Horizontal	N/A
3**	5823.200	84.69	--	--	AV	326.00	200	Horizontal	N/A
4	7445.625	49.90	74.0	24.10	Peak	0.00	100	Horizontal	Pass
4**	7445.625	41.03	54.0	12.97	AV	0.00	100	Horizontal	Pass
5	12610.275	51.74	74.0	22.26	Peak	52.00	150	Horizontal	Pass
5**	12610.275	42.63	54.0	11.37	AV	52.00	150	Horizontal	Pass
6	15826.763	55.99	74.0	18.01	Peak	126.00	200	Horizontal	Pass
6**	15826.763	45.62	54.0	8.38	AV	126.00	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	1479.800	39.54	74.0	34.46	Peak	76.00	100	Vertical	Pass
1**	1479.800	30.05	54.0	23.95	AV	76.00	100	Vertical	Pass
2	4390.200	50.10	74.0	23.90	Peak	32.00	100	Vertical	Pass
2**	4390.200	41.26	54.0	12.74	AV	32.00	100	Vertical	Pass
3	5824.000	86.35	--	--	Peak	179.00	200	Vertical	N/A
3**	5824.000	78.51	--	--	AV	179.00	200	Vertical	N/A
4	7590.525	50.49	74.0	23.51	Peak	0.00	300	Vertical	Pass
4**	7590.525	40.41	54.0	13.59	AV	0.00	300	Vertical	Pass
5	11782.275	52.17	74.0	21.83	Peak	291.00	150	Vertical	Pass
5**	11782.275	42.85	54.0	11.15	AV	291.00	150	Vertical	Pass
6	16106.063	55.33	74.0	18.67	Peak	340.00	400	Vertical	Pass
6**	16106.063	45.87	54.0	8.13	AV	340.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1575.100	38.68	74.0	35.32	Peak	360.00	100	Horizontal	Pass
1**	1575.100	29.71	54.0	24.29	AV	360.00	100	Horizontal	Pass
2	4213.200	50.16	74.0	23.84	Peak	119.00	400	Horizontal	Pass
2**	4213.200	40.48	54.0	13.52	AV	119.00	400	Horizontal	Pass
3	5752.000	92.43	--	--	Peak	313.00	100	Horizontal	N/A
3**	5752.000	85.41	--	--	AV	313.00	100	Horizontal	N/A
4	7466.325	50.05	74.0	23.95	Peak	278.00	100	Horizontal	Pass
4**	7466.325	40.54	54.0	13.46	AV	278.00	100	Horizontal	Pass
5	10926.387	51.66	74.0	22.34	Peak	52.00	100	Horizontal	Pass
5**	10926.387	43.07	54.0	10.93	AV	52.00	100	Horizontal	Pass
6	16085.588	55.79	74.0	18.21	Peak	263.00	200	Horizontal	Pass
6**	16085.588	45.25	54.0	8.75	AV	263.00	200	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	1502.000	39.30	74.0	34.70	Peak	271.00	200	Vertical	Pass
1**	1502.000	29.77	54.0	24.23	AV	271.00	200	Vertical	Pass
2	4213.200	50.00	74.0	24.00	Peak	109.00	300	Vertical	Pass
2**	4213.200	40.56	54.0	13.44	AV	109.00	300	Vertical	Pass
3	5751.400	86.90	--	--	Peak	87.00	100	Vertical	N/A
3**	5751.400	78.92	--	--	AV	87.00	100	Vertical	N/A
4	7628.475	50.51	74.0	23.49	Peak	326.00	300	Vertical	Pass
4**	7628.475	40.60	54.0	13.40	AV	326.00	300	Vertical	Pass
5	11933.500	52.52	74.0	21.48	Peak	172.00	100	Vertical	Pass
5**	11933.500	43.14	54.0	10.86	AV	172.00	100	Vertical	Pass
6	16072.200	54.99	74.0	19.01	Peak	45.00	400	Vertical	Pass
6**	16072.200	45.18	54.0	8.82	AV	45.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1550.700	38.90	74.0	35.10	Peak	324.00	300	Horizontal	Pass
1**	1550.700	29.40	54.0	24.60	AV	324.00	300	Horizontal	Pass
2	4058.800	50.08	74.0	23.92	Peak	11.00	200	Horizontal	Pass
2**	4058.800	40.40	54.0	13.60	AV	11.00	200	Horizontal	Pass
3	5796.800	89.79	--	--	Peak	315.00	100	Horizontal	N/A
3**	5796.800	82.68	--	--	AV	315.00	100	Horizontal	N/A
4	7506.000	50.28	74.0	23.72	Peak	69.00	100	Horizontal	Pass
4**	7506.000	40.66	54.0	13.34	AV	69.00	100	Horizontal	Pass
5	10919.775	51.94	74.0	22.06	Peak	0.00	150	Horizontal	Pass
5**	10919.775	43.09	54.0	10.91	AV	0.00	150	Horizontal	Pass
6	15478.162	55.16	74.0	18.84	Peak	360.00	100	Horizontal	Pass
6**	15478.162	44.64	54.0	9.36	AV	360.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1502.000	39.26	74.0	34.74	Peak	253.00	100	Vertical	Pass
1**	1502.000	30.43	54.0	23.57	AV	253.00	100	Vertical	Pass
2	3936.600	50.43	74.0	23.57	Peak	292.00	100	Vertical	Pass
2**	3936.600	40.23	54.0	13.77	AV	292.00	100	Vertical	Pass
3	5791.800	83.99	--	--	Peak	87.00	150	Vertical	N/A
3**	5791.800	75.86	--	--	AV	87.00	150	Vertical	N/A
4	7709.550	50.15	74.0	23.85	Peak	105.00	200	Vertical	Pass
4**	7709.550	40.05	54.0	13.95	AV	105.00	200	Vertical	Pass
5	11324.000	52.52	74.0	21.48	Peak	192.00	150	Vertical	Pass
5**	11324.000	42.52	54.0	11.48	AV	192.00	150	Vertical	Pass
6	16110.525	54.96	74.0	19.04	Peak	360.00	200	Vertical	Pass
6**	16110.525	45.81	54.0	8.19	AV	360.00	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	1478.500	39.20	74.0	34.80	Peak	316.00	200	Horizontal	Pass
1**	1478.500	29.47	54.0	24.53	AV	316.00	200	Horizontal	Pass
2	4071.800	51.05	74.0	22.95	Peak	0.00	400	Horizontal	Pass
2**	4071.800	40.35	54.0	13.65	AV	0.00	400	Horizontal	Pass
3	5770.400	90.15	--	--	Peak	301.00	150	Horizontal	N/A
3**	5770.400	80.51	--	--	AV	301.00	150	Horizontal	N/A
4	7620.425	49.72	74.0	24.28	Peak	0.00	200	Horizontal	Pass
4**	7620.425	41.40	54.0	12.60	AV	0.00	200	Horizontal	Pass
5	11340.387	52.29	74.0	21.71	Peak	20.00	150	Horizontal	Pass
5**	11340.387	43.09	54.0	10.91	AV	20.00	150	Horizontal	Pass
6	15819.150	54.60	74.0	19.40	Peak	360.00	300	Horizontal	Pass
6**	15819.150	45.97	54.0	8.03	AV	360.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.400	40.03	74.0	33.97	Peak	84.00	300	Vertical	Pass
1**	1495.400	30.15	54.0	23.85	AV	84.00	300	Vertical	Pass
2	4393.000	50.25	74.0	23.75	Peak	0.00	400	Vertical	Pass
2**	4393.000	41.30	54.0	12.70	AV	0.00	400	Vertical	Pass
3	5777.000	83.52	--	--	Peak	74.00	200	Vertical	N/A
3**	5777.000	73.96	--	--	AV	74.00	200	Vertical	N/A
4	7363.687	49.80	74.0	24.20	Peak	0.00	300	Vertical	Pass
4**	7363.687	40.59	54.0	13.41	AV	0.00	300	Vertical	Pass
5	10922.651	52.94	74.0	21.06	Peak	0.00	150	Vertical	Pass
5**	10922.651	42.83	54.0	11.17	AV	0.00	150	Vertical	Pass
6	16097.662	55.10	74.0	18.90	Peak	83.00	200	Vertical	Pass
6**	16097.662	45.57	54.0	8.43	AV	83.00	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	1486.700	38.99	74.0	35.01	Peak	0.00	400	Horizontal	Pass
1**	1486.700	29.49	54.0	24.51	AV	0.00	400	Horizontal	Pass
2	4386.000	50.19	74.0	23.81	Peak	315.00	200	Horizontal	Pass
2**	4386.000	41.25	54.0	12.75	AV	315.00	200	Horizontal	Pass
3	5741.800	95.89	--	--	Peak	326.00	100	Horizontal	N/A
3**	5741.800	86.47	--	--	AV	326.00	100	Horizontal	N/A
4	7451.087	50.65	74.0	23.35	Peak	323.00	200	Horizontal	Pass
4**	7451.087	41.87	54.0	12.13	AV	323.00	200	Horizontal	Pass
5	11931.201	51.71	74.0	22.29	Peak	271.00	150	Horizontal	Pass
5**	11931.201	42.85	54.0	11.15	AV	271.00	150	Horizontal	Pass
6	16094.513	54.59	74.0	19.41	Peak	360.00	200	Horizontal	Pass
6**	16094.513	46.56	54.0	7.44	AV	360.00	200	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	1457.500	38.73	74.0	35.27	Peak	75.00	300	Vertical	Pass
1**	1457.500	29.15	54.0	24.85	AV	75.00	300	Vertical	Pass
2	4352.400	50.17	74.0	23.83	Peak	316.00	100	Vertical	Pass
2**	4352.400	40.03	54.0	13.97	AV	316.00	100	Vertical	Pass
3	5743.000	89.28	--	--	Peak	179.00	200	Vertical	N/A
3**	5743.000	80.78	--	--	AV	179.00	200	Vertical	N/A
4	7521.812	50.42	74.0	23.58	Peak	155.00	400	Vertical	Pass
4**	7521.812	41.25	54.0	12.75	AV	155.00	400	Vertical	Pass
5	11331.188	52.63	74.0	21.37	Peak	190.00	200	Vertical	Pass
5**	11331.188	42.80	54.0	11.20	AV	190.00	200	Vertical	Pass
6	15829.387	54.93	74.0	19.07	Peak	68.00	400	Vertical	Pass
6**	15829.387	44.74	54.0	9.26	AV	68.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1607.000	38.44	74.0	35.56	Peak	334.00	400	Horizontal	Pass
1**	1607.000	28.96	54.0	25.04	AV	334.00	400	Horizontal	Pass
2	4041.400	50.50	74.0	23.50	Peak	338.00	200	Horizontal	Pass
2**	4041.400	40.08	54.0	13.92	AV	338.00	200	Horizontal	Pass
3	5782.000	95.45	--	--	Peak	324.00	100	Horizontal	N/A
3**	5782.000	86.38	--	--	AV	324.00	100	Horizontal	N/A
4	7319.987	50.69	74.0	23.31	Peak	188.00	200	Horizontal	Pass
4**	7319.987	41.64	54.0	12.36	AV	188.00	200	Horizontal	Pass
5	11818.500	52.18	74.0	21.82	Peak	102.00	200	Horizontal	Pass
5**	11818.500	42.49	54.0	11.51	AV	102.00	200	Horizontal	Pass
6	15630.937	54.57	74.0	19.43	Peak	282.00	200	Horizontal	Pass
6**	15630.937	44.54	54.0	9.46	AV	282.00	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	1499.900	40.35	74.0	33.65	Peak	82.00	300	Vertical	Pass
1**	1499.900	29.77	54.0	24.23	AV	82.00	300	Vertical	Pass
2	4185.400	50.15	74.0	23.85	Peak	133.00	100	Vertical	Pass
2**	4185.400	40.77	54.0	13.23	AV	133.00	100	Vertical	Pass
3	5786.600	88.47	--	--	Peak	179.00	100	Vertical	N/A
3**	5786.600	79.01	--	--	AV	179.00	100	Vertical	N/A
4	7437.000	50.08	74.0	23.92	Peak	34.00	200	Vertical	Pass
4**	7437.000	41.07	54.0	12.93	AV	34.00	200	Vertical	Pass
5	11928.612	52.09	74.0	21.91	Peak	256.00	150	Vertical	Pass
5**	11928.612	42.04	54.0	11.96	AV	256.00	150	Vertical	Pass
6	15522.000	54.93	74.0	19.07	Peak	35.00	400	Vertical	Pass
6**	15522.000	45.36	54.0	8.64	AV	35.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1469.200	39.48	74.0	34.52	Peak	136.00	200	Horizontal	Pass
1**	1469.200	28.93	54.0	25.07	AV	136.00	200	Horizontal	Pass
2	4093.600	50.37	74.0	23.63	Peak	235.00	100	Horizontal	Pass
2**	4093.600	41.29	54.0	12.71	AV	235.00	100	Horizontal	Pass
3	5825.800	92.88	--	--	Peak	360.00	200	Horizontal	N/A
3**	5825.800	84.33	--	--	AV	360.00	200	Horizontal	N/A
4	7446.200	50.90	74.0	23.10	Peak	1.00	300	Horizontal	Pass
4**	7446.200	40.52	54.0	13.48	AV	1.00	300	Horizontal	Pass
5	10924.088	52.52	74.0	21.48	Peak	152.00	150	Horizontal	Pass
5**	10924.088	43.00	54.0	11.00	AV	152.00	150	Horizontal	Pass
6	15650.362	55.15	74.0	18.85	Peak	144.00	200	Horizontal	Pass
6**	15650.362	45.96	54.0	8.04	AV	144.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.400	39.35	74.0	34.65	Peak	117.00	300	Vertical	Pass
1**	1500.400	31.33	54.0	22.67	AV	117.00	300	Vertical	Pass
2	4108.200	50.21	74.0	23.79	Peak	348.00	100	Vertical	Pass
2**	4108.200	40.41	54.0	13.59	AV	348.00	100	Vertical	Pass
3	5825.200	86.36	--	--	Peak	190.00	200	Vertical	N/A
3**	5825.200	77.09	--	--	AV	190.00	200	Vertical	N/A
4	7548.837	49.84	74.0	24.16	Peak	18.00	200	Vertical	Pass
4**	7548.837	40.13	54.0	13.87	AV	18.00	200	Vertical	Pass
5	11320.263	52.13	74.0	21.87	Peak	359.00	150	Vertical	Pass
5**	11320.263	42.61	54.0	11.39	AV	359.00	150	Vertical	Pass
6	16128.638	55.13	74.0	18.87	Peak	182.00	100	Vertical	Pass
6**	16128.638	45.59	54.0	8.41	AV	182.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1552.900	38.71	74.0	35.29	Peak	205.00	200	Horizontal	Pass
1**	1552.900	29.34	54.0	24.66	AV	205.00	200	Horizontal	Pass
2	3979.200	50.10	74.0	23.90	Peak	200.00	150	Horizontal	Pass
2**	3979.200	41.04	54.0	12.96	AV	200.00	150	Horizontal	Pass
3	5753.400	92.60	--	--	Peak	325.00	100	Horizontal	N/A
3**	5753.400	84.92	--	--	AV	325.00	100	Horizontal	N/A
4	7320.850	50.73	74.0	23.27	Peak	154.00	200	Horizontal	Pass
4**	7320.850	40.70	54.0	13.30	AV	154.00	200	Horizontal	Pass
5	11821.950	52.20	74.0	21.80	Peak	0.00	150	Horizontal	Pass
5**	11821.950	42.52	54.0	11.48	AV	0.00	150	Horizontal	Pass
6	15820.200	54.42	74.0	19.58	Peak	321.00	200	Horizontal	Pass
6**	15820.200	46.11	54.0	7.89	AV	321.00	200	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	1493.100	39.83	74.0	34.17	Peak	130.00	200	Vertical	Pass
1**	1493.100	30.30	54.0	23.70	AV	130.00	200	Vertical	Pass
2	4380.600	50.46	74.0	23.54	Peak	270.00	100	Vertical	Pass
2**	4380.600	41.55	54.0	12.45	AV	270.00	100	Vertical	Pass
3	5744.200	86.69	--	--	Peak	90.00	150	Vertical	N/A
3**	5744.200	78.36	--	--	AV	90.00	150	Vertical	N/A
4	7505.713	50.20	74.0	23.80	Peak	112.00	300	Vertical	Pass
4**	7505.713	40.69	54.0	13.31	AV	112.00	300	Vertical	Pass
5	11948.738	51.77	74.0	22.23	Peak	236.00	150	Vertical	Pass
5**	11948.738	42.45	54.0	11.55	AV	236.00	150	Vertical	Pass
6	16131.526	54.58	74.0	19.42	Peak	341.00	400	Vertical	Pass
6**	16131.526	45.04	54.0	8.96	AV	341.00	400	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	1484.700	39.14	74.0	34.86	Peak	313.00	300	Horizontal	Pass
1**	1484.700	30.03	54.0	23.97	AV	313.00	300	Horizontal	Pass
2	4004.200	50.48	74.0	23.52	Peak	0.00	400	Horizontal	Pass
2**	4004.200	41.08	54.0	12.92	AV	0.00	400	Horizontal	Pass
3	5781.400	89.77	--	--	Peak	322.00	100	Horizontal	N/A
3**	5781.400	80.88	--	--	AV	322.00	100	Horizontal	N/A
4	7617.550	49.93	74.0	24.07	Peak	72.00	200	Horizontal	Pass
4**	7617.550	40.63	54.0	13.37	AV	72.00	200	Horizontal	Pass
5	12510.800	52.30	74.0	21.70	Peak	288.00	100	Horizontal	Pass
5**	12510.800	41.91	54.0	12.09	AV	288.00	100	Horizontal	Pass
6	15819.675	54.21	74.0	19.79	Peak	237.00	150	Horizontal	Pass
6**	15819.675	44.98	54.0	9.02	AV	237.00	150	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	1483.600	39.64	74.0	34.36	Peak	97.00	100	Vertical	Pass
1**	1483.600	30.32	54.0	23.68	AV	97.00	100	Vertical	Pass
2	4118.200	50.07	74.0	23.93	Peak	360.00	300	Vertical	Pass
2**	4118.200	40.62	54.0	13.38	AV	360.00	300	Vertical	Pass
3	5796.400	84.28	--	--	Peak	77.00	150	Vertical	N/A
3**	5796.400	77.07	--	--	AV	77.00	150	Vertical	N/A
4	7543.088	50.02	74.0	23.98	Peak	225.00	300	Vertical	Pass
4**	7543.088	40.44	54.0	13.56	AV	225.00	300	Vertical	Pass
5	10928.113	53.07	74.0	20.93	Peak	311.00	200	Vertical	Pass
5**	10928.113	43.45	54.0	10.55	AV	311.00	200	Vertical	Pass
6	16128.900	54.84	74.0	19.16	Peak	104.00	100	Vertical	Pass
6**	16128.900	45.95	54.0	8.05	AV	104.00	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	1502.000	38.54	74.0	35.46	Peak	51.00	100	Horizontal	Pass
1**	1502.000	29.19	54.0	24.81	AV	51.00	100	Horizontal	Pass
2	4266.800	50.24	74.0	23.76	Peak	292.00	400	Horizontal	Pass
2**	4266.800	40.47	54.0	13.53	AV	292.00	400	Horizontal	Pass
3	5765.400	92.59	--	--	Peak	303.00	100	Horizontal	N/A
3**	5765.400	81.13	--	--	AV	303.00	100	Horizontal	N/A
4	7349.887	50.20	74.0	23.80	Peak	70.00	200	Horizontal	Pass
4**	7349.887	41.21	54.0	12.79	AV	70.00	200	Horizontal	Pass
5	11824.250	52.71	74.0	21.29	Peak	175.00	200	Horizontal	Pass
5**	11824.250	42.81	54.0	11.19	AV	175.00	200	Horizontal	Pass
6	15826.500	54.95	74.0	19.05	Peak	162.00	200	Horizontal	Pass
6**	15826.500	47.21	54.0	6.79	AV	162.00	200	Horizontal	Pass

11ax80(SU), U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.400	39.39	74.0	34.61	Peak	49.00	300	Vertical	Pass
1**	1500.400	29.09	54.0	24.91	AV	49.00	300	Vertical	Pass
2	4252.600	50.02	74.0	23.98	Peak	127.00	400	Vertical	Pass
2**	4252.600	40.37	54.0	13.63	AV	127.00	400	Vertical	Pass
3	5771.600	84.35	--	--	Peak	192.00	200	Vertical	N/A
3**	5771.600	74.68	--	--	AV	192.00	200	Vertical	N/A
4	7509.737	50.26	74.0	23.74	Peak	116.00	400	Vertical	Pass
4**	7509.737	40.57	54.0	13.43	AV	116.00	400	Vertical	Pass
5	11773.075	52.08	74.0	21.92	Peak	0.00	100	Vertical	Pass
5**	11773.075	42.43	54.0	11.57	AV	0.00	100	Vertical	Pass
6	15821.250	54.48	74.0	19.52	Peak	102.00	100	Vertical	Pass
6**	15821.250	45.31	54.0	8.69	AV	102.00	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
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-Main Antenna

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	5089.875	57.63	74.0	16.37	Peak	116.00	100	Horizontal	Pass
1**	5089.875	46.19	54.0	7.81	AV	116.00	100	Horizontal	Pass
2	5150.000	55.18	74.0	18.82	Peak	1.00	100	Horizontal	Pass
2**	5150.000	45.88	54.0	8.12	AV	1.00	100	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	55.52	74.0	18.48	Peak	206.00	150	Horizontal	Pass
1**	5350.000	45.53	54.0	8.47	AV	206.00	150	Horizontal	Pass
2	5384.815	58.39	74.0	15.61	Peak	53.00	200	Horizontal	Pass
2**	5384.815	46.02	54.0	7.98	AV	53.00	200	Horizontal	Pass

U-NII-1 11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5095.725	57.40	74.0	16.60	Peak	4.00	150	Horizontal	Pass
1**	5095.725	45.74	54.0	8.26	AV	4.00	150	Horizontal	Pass
2	5150.000	55.53	74.0	18.47	Peak	354.00	100	Horizontal	Pass
2**	5150.000	45.94	54.0	8.06	AV	354.00	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	55.74	74.0	18.26	Peak	263.00	200	Horizontal	Pass
1**	5350.055	45.67	54.0	8.33	AV	263.00	200	Horizontal	Pass
2	5442.620	57.71	74.0	16.29	Peak	0.00	200	Horizontal	Pass
2**	5442.620	46.05	54.0	7.95	AV	0.00	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	5010.250	57.59	74.0	16.41	Peak	360.00	100	Horizontal	Pass
1**	5010.250	45.22	54.0	8.78	AV	360.00	100	Horizontal	Pass
2	5150.000	54.88	74.0	19.12	Peak	284.00	200	Horizontal	Pass
2**	5150.000	45.89	54.0	8.11	AV	284.00	200	Horizontal	Pass

U-NII-1 11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.79	74.0	18.21	Peak	309.00	150	Horizontal	Pass
1**	5350.000	45.71	54.0	8.29	AV	309.00	150	Horizontal	Pass
2	5397.410	57.83	74.0	16.17	Peak	18.00	200	Horizontal	Pass
2**	5397.410	45.61	54.0	8.39	AV	18.00	200	Horizontal	Pass

U-NII-1 11ac20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5148.375	57.38	74.0	16.62	Peak	19.00	150	Horizontal	Pass
1**	5148.375	45.75	54.0	8.25	AV	19.00	150	Horizontal	Pass
2	5150.000	55.00	74.0	19.00	Peak	324.00	150	Horizontal	Pass
2**	5150.000	45.91	54.0	8.09	AV	324.00	150	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	5350.055	56.49	74.0	17.51	Peak	319.00	200	Horizontal	Pass
1**	5350.055	45.72	54.0	8.28	AV	319.00	200	Horizontal	Pass
2	5458.295	58.67	74.0	15.33	Peak	181.00	200	Horizontal	Pass
2**	5458.295	46.38	54.0	7.62	AV	181.00	200	Horizontal	Pass

U-NII-1 11ac40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5103.525	57.07	74.0	16.93	Peak	280.00	200	Horizontal	Pass
1**	5103.525	46.24	54.0	7.76	AV	280.00	200	Horizontal	Pass
2	5150.000	55.85	74.0	18.15	Peak	314.00	100	Horizontal	Pass
2**	5150.000	46.20	54.0	7.80	AV	314.00	100	Horizontal	Pass

U-NII-1 11ac40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.57	74.0	18.43	Peak	146.00	150	Horizontal	Pass
1**	5350.055	46.10	54.0	7.90	AV	146.00	150	Horizontal	Pass
2	5414.240	57.79	74.0	16.21	Peak	280.00	200	Horizontal	Pass
2**	5414.240	45.87	54.0	8.13	AV	280.00	200	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	5091.500	57.27	74.0	16.73	Peak	18.00	200	Horizontal	Pass
1**	5091.500	46.15	54.0	7.85	AV	18.00	200	Horizontal	Pass
2	5150.000	56.13	74.0	17.87	Peak	283.00	150	Horizontal	Pass
2**	5150.000	46.06	54.0	7.94	AV	283.00	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	5350.055	55.81	74.0	18.19	Peak	117.00	100	Horizontal	Pass
1**	5350.055	45.95	54.0	8.05	AV	117.00	100	Horizontal	Pass
2	5456.590	58.39	74.0	15.61	Peak	263.00	100	Horizontal	Pass
2**	5456.590	46.06	54.0	7.94	AV	263.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5136.350	57.87	74.0	16.13	Peak	10.00	100	Horizontal	Pass
1**	5136.350	46.26	54.0	7.74	AV	10.00	100	Horizontal	Pass
2	5150.000	54.93	74.0	19.07	Peak	303.00	200	Horizontal	Pass
2**	5150.000	45.86	54.0	8.14	AV	303.00	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	5350.000	55.46	74.0	18.54	Peak	207.00	100	Horizontal	Pass
1**	5350.000	45.59	54.0	8.41	AV	207.00	100	Horizontal	Pass
2	5392.460	58.04	74.0	15.96	Peak	337.00	200	Horizontal	Pass
2**	5392.460	46.25	54.0	7.75	AV	337.00	200	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	5084.350	57.05	74.0	16.95	Peak	360.00	150	Horizontal	Pass
1**	5084.350	45.94	54.0	8.06	AV	360.00	150	Horizontal	Pass
2	5150.000	55.17	74.0	18.83	Peak	102.00	100	Horizontal	Pass
2**	5150.000	45.93	54.0	8.07	AV	102.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.43	74.0	18.57	Peak	178.00	150	Horizontal	Pass
1**	5350.055	45.76	54.0	8.24	AV	178.00	150	Horizontal	Pass
2	5400.380	57.49	74.0	16.51	Peak	122.00	150	Horizontal	Pass
2**	5400.380	45.76	54.0	8.24	AV	122.00	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	5148.050	60.05	74.0	13.95	Peak	342.00	200	Horizontal	Pass
1**	5148.050	45.90	54.0	8.10	AV	342.00	200	Horizontal	Pass
2	5150.000	59.55	74.0	14.45	Peak	336.00	200	Horizontal	Pass
2**	5150.000	46.15	54.0	7.85	AV	336.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.25	74.0	18.75	Peak	360.00	200	Horizontal	Pass
1**	5350.055	45.72	54.0	8.28	AV	360.00	200	Horizontal	Pass
2	5384.925	57.88	74.0	16.12	Peak	360.00	150	Horizontal	Pass
2**	5384.925	45.88	54.0	8.12	AV	360.00	150	Horizontal	Pass

U-NII-3 11a Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5643.500	58.40	68.2	9.80	Peak	48.00	150	Horizontal	Pass
2	5650.000	56.01	68.2	12.19	Peak	286.00	150	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	57.25	68.2	10.95	Peak	347.00	100	Horizontal	Pass
2	5927.850	59.15	68.2	9.05	Peak	215.00	200	Horizontal	Pass

U-NII-3 11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5649.650	58.35	68.2	9.85	Peak	324.00	100	Horizontal	Pass
2	5650.000	56.27	68.2	11.93	Peak	360.00	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	56.26	68.2	11.94	Peak	46.00	200	Horizontal	Pass
2	5948.000	58.53	68.2	9.67	Peak	241.00	100	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	5643.300	58.45	68.2	9.75	Peak	142.00	200	Horizontal	Pass
2	5650.000	56.25	68.2	11.95	Peak	342.00	150	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	56.16	68.2	12.04	Peak	195.00	100	Horizontal	Pass
2	5943.350	58.21	68.2	9.99	Peak	322.00	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	5646.200	58.20	68.2	10.00	Peak	78.00	200	Horizontal	Pass
2	5650.000	55.49	68.2	12.71	Peak	302.00	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	56.56	68.2	11.64	Peak	96.00	100	Horizontal	Pass
2	5941.100	58.79	68.2	9.41	Peak	216.00	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	5645.900	57.79	68.2	10.41	Peak	360.00	100	Horizontal	Pass
2	5650.000	56.55	68.2	11.65	Peak	38.00	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	56.42	68.2	11.78	Peak	202.00	200	Horizontal	Pass
2	5949.850	58.32	68.2	9.88	Peak	178.00	100	Horizontal	Pass

U-NII-3 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5647.500	58.56	68.2	9.64	Peak	338.00	100	Horizontal	Pass
2	5650.000	56.61	68.2	11.59	Peak	172.00	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	55.48	68.2	12.72	Peak	43.00	150	Horizontal	Pass
2	5938.250	58.57	68.2	9.63	Peak	308.00	150	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	5645.800	58.08	68.2	10.12	Peak	334.00	100	Horizontal	Pass
2	5650.000	56.06	68.2	12.14	Peak	217.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	56.25	68.2	11.95	Peak	227.00	100	Horizontal	Pass
2	5928.700	58.40	68.2	9.80	Peak	154.00	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	5646.250	58.66	68.2	9.54	Peak	35.00	200	Horizontal	Pass
2	5650.000	56.31	68.2	11.89	Peak	328.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.78	68.2	12.42	Peak	37.00	100	Horizontal	Pass
2	5942.750	58.34	68.2	9.86	Peak	91.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5644.300	57.91	68.2	10.29	Peak	6.00	150	Horizontal	Pass
2	5650.000	56.31	68.2	11.89	Peak	207.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	56.06	68.2	12.14	Peak	286.00	200	Horizontal	Pass
2	5943.300	58.31	68.2	9.89	Peak	161.00	100	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ24C0578-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ24C0578-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ24C0578-AI.PDF”.

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--END OF REPORT--