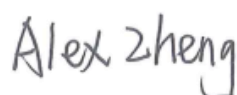


TEST REPORT

Applicant: NEW POS TECHNOLOGY LIMITED
Address: AB Unit, 14th Floor, Block A, Financial Technology Building, No.11Keyuan Rd, Nanshan, Shenzhen, China
Equipment Type: Unattended Payment Terminal
Model Name: NEW5010
Brand Name:  
FCC ID: WAL5010
Test Standard: 47 CFR Part 15 Subpart E (refer to section 3.1)
Sample Arrival Date: Jul. 02, 2025
Test Date: Jul. 09, 2025 - Jul. 14, 2026
Date of Issue: Jul. 17, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Alex Zheng**Checked by:** Li Ganming**Approved by:** Tolan Tu
(Testing Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Jun. 17, 2026</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Jul. 17, 2026</u>	<u>Updated section A.1 and section 4;</u> <u>Added a note in section 3.2</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	7
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	29
A.3	6 dB Bandwidth	29
A.4	Power Spectral Density	29
A.5	Conducted Emissions	30
A.6	Radiated Spurious Emissions and Band Edge (Restricted-band).....	32
ANNEX B	TEST SETUP PHOTOS	108
ANNEX C	EUT EXTERNAL PHOTOS.....	108
ANNEX D	EUT INTERNAL PHOTOS.....	108

1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	601, Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☐ Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen, Guangdong
	☒ 1/F., Building B, Ganghongji High-Tech Intelligent Industrial Park, No.1008, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	NEW POS TECHNOLOGY LIMITED
Address	AB Unit, 14th Floor, Block A, Financial Technology Building, No.11Keyuan Rd, Nanshan, Shenzhen, China

2.2 Manufacturer Information

Manufacturer	NEW POS TECHNOLOGY LIMITED
Address	AB Unit, 14th Floor, Block A, Financial Technology Building, No.11Keyuan Rd, Nanshan, Shenzhen, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Unattended Payment Terminal
Model Name Under Test	NEW5010
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	4G Network LTE FDD Band 2/4/5/7/12/13/14/17/25/26/66/71 LTE TDD Band 41 Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) GPS, GLONASS, NFC
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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-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
Product Type	☐ Mobile ☐ Portable ☒ Fix Location
Modulation technology	OFDM
Modulation Type	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
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz, 80 MHz
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	FPC Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: 0.20 dBi U-NII-2A: 5250 MHz to 5350 MHz: 0.87 dBi U-NII-2C: 5470 MHz to 5725 MHz: 0.63 dBi U-NII-3: 5725 MHz to 5850 MHz: -0.06 dBi
About the Product	The equipment is Unattended Payment Terminal, intended for used with information technology equipment.

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	58	5290
44	5220	54	5270	106	5530
48	5240	62	5310	122	5610
52	5260	102	5510	155	5775
56	5280	110	5550		
60	5300	118	5590		
64	5320	126	5630		
100	5500	134	5670		
104	5520	151	5755		
108	5540	159	5795		
112	5560				
116	5580				
120	5600				
124	5620				
128	5640				
132	5660				
136	5680				
140	5700				
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)

U-NII-1 (5150 - 5250 MHz)			U-NII-2A (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
36	Low	5180	52	Low	5260
44	Mid	5220	60	Mid	5300
48	High	5240	64	High	5320

U-NII-2C (5470 - 5725 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
100	Low	5500	149	Low	5745
116	Mid	5580	157	Mid	5785
140	High	5700	165	High	5825

For 802.11n(HT40)/ac(VHT40)

U-NII-1 (5150 - 5250 MHz)			U-NII-2A (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
38	Low	5190	54	Low	5270
46	High	5230	62	High	5310

U-NII-2C (5470 - 5725 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
102	Low	5510	151	Low	5755
118	Mid	5590	159	High	5795
134	High	5670	--	--	--

For 802.11ac(VHT80)

U-NII-1 (5150 - 5250 MHz)			U-NII-2A (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
42	Mid	5210	58	Mid	5290

U-NII-2C (5470 - 5725 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
106	Low	5530	155	Mid	5775
122	High	5610	--	--	--

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-2A	U-NII-2C	U-NII-3
				Channel	Channel	Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
6 dB bandwidth	11a	6	BPSK	N/A	N/A	N/A	165/157/149
	11n(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11n(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11ac(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(80 MHz)	29.3		N/A	N/A	N/A	155
Power Spectral Density	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
Band Edge (Restricted-band)	11a	6	BPSK	48/36	64/52	140/100	165/149
	11n(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11n(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11ac(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E	Unlicensed National Information Infrastructure Devices
2	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	ANSI C63.10-2020	American National Standard for Procedures for Compliance Testing of Unlicensed Wireless Devices

3.2 Test Verdict

No.	Description	FCC Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	--	Pass ^{Note1}
2	RF Output Power	15.407(a)	ANNEX A.1	Pass ^{Note3, Note4}
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	ANNEX A.2	Pass ^{Note2}
4	6 dB bandwidth	15.407(e)	ANNEX A.3	Pass ^{Note2}
5	Power Spectral Density	15.407(a)	ANNEX A.4	Pass ^{Note2}
6	Conducted Emission	15.207	ANNEX A.5	Pass
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	ANNEX A.6	Pass

Note1: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.

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

Note 3: The RF module (Model Name: SC200E-NA, SC206E-NA) installed in the EUT is electronically and mechanically identical to the original certified module in the test report No. PD20240152-R3E which issued by Hefei Panwin Technology Co., Ltd. on Feb. 07, 2025, The standard ANSI C63.10-2013 has been updated to ANSI C63.10-2020. The possible differences in the testing methods for the tested object are as follows:

(1) Conducted Emission has been re-tested in accordance with C63.10-2020.

(2) Radiated Spurious Emission & Band Edge (Restricted-band band-edge) has been re-tested in accordance with ANSI C63.10-2020.

Other test items please refer to the No. PD20240152-R3E which issued by Hefei Panwin Technology Co., Ltd. on Feb. 07, 2025.

Note 4: This revision only supplements a power test, which was conducted on July 14, 2026 using a power meter (model U2063XA). All other test items were tested on July 9, 2025

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	55%~65%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+22.5℃ to +23.1℃
Working Voltage of the EUT	NV (Normal Voltage)	5.0V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2024.12.16	2025.12.15
Spectrum Analyzer	KEYSIGHT	N9020A	MY54432240	2025.04.29	2026.04.28
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	01414	2023.11.03	2026.11.02
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	2459	2023.10.26	2026.10.25
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Anechoic Chamber	EMC Electronic Co, Ltd	9m*6m*6m	107	2024.05.12	2027.05.11
DC power supply	ITECH	IT6720	60001030107 17610000	2025.06.17	2026.06.16
EMI Receiver	KEYSIGHT	N9038B	MY61380132	2025.04.01	2026.03.31
LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK8127	1009	2025.07.15	2026.07.14
Shielded Enclosure	YiHeng Electronic Co., Ltd	4.3m*2.9m*2.4 m	235	2024.11.05	2027.11.04
Test Antenna-Loop	Schwarzbeck	FMZB 1513-60	15	2024.05.07	2026.05.06
Power Sensor	KEYSIGHT	U2063XA	MY58000247	2026.06.01	2027.05.31

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

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

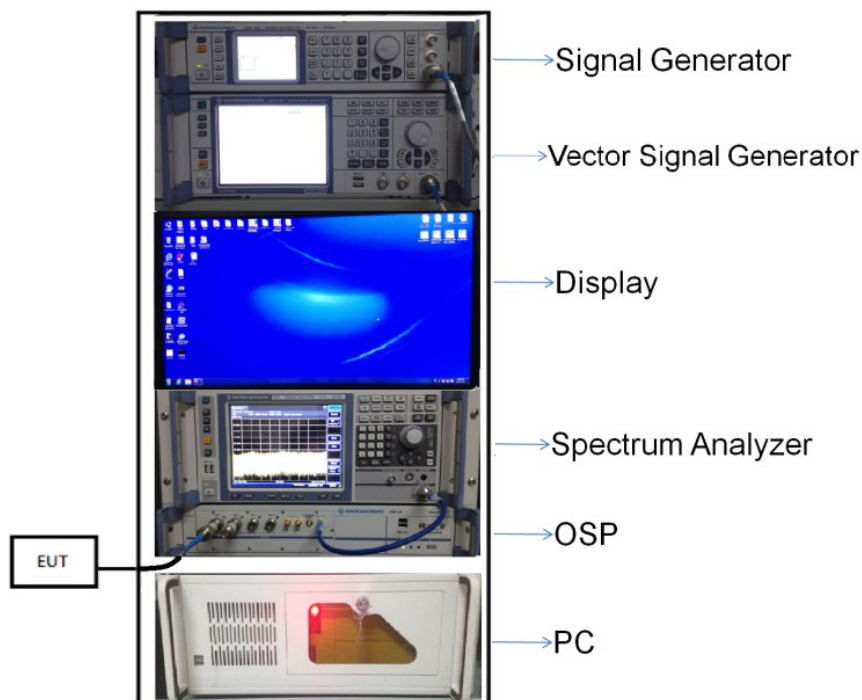
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

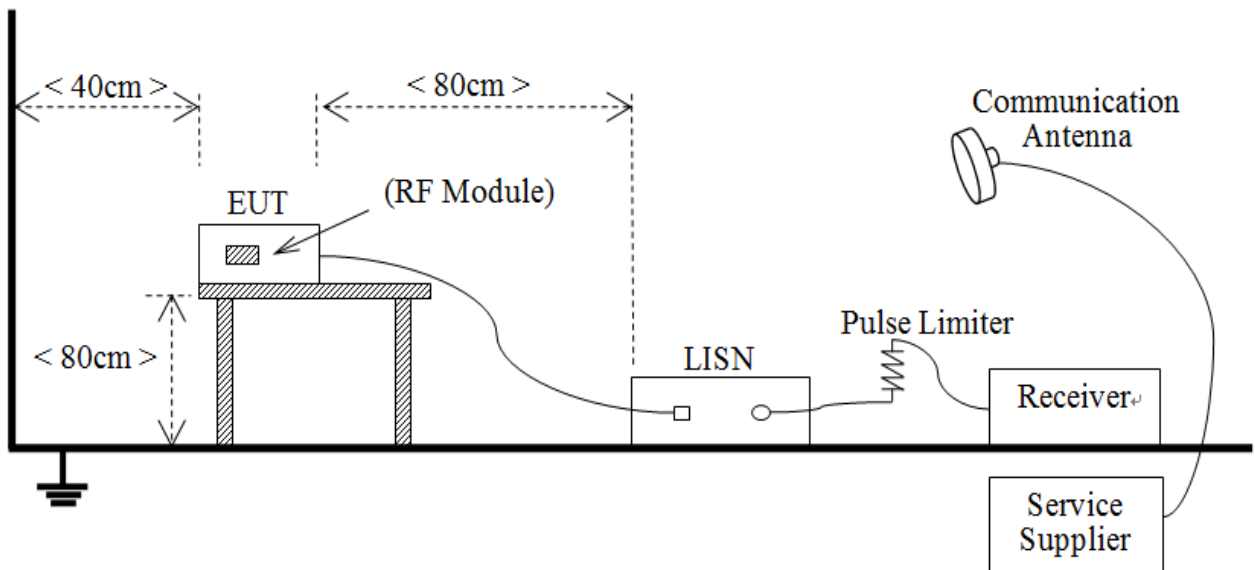
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



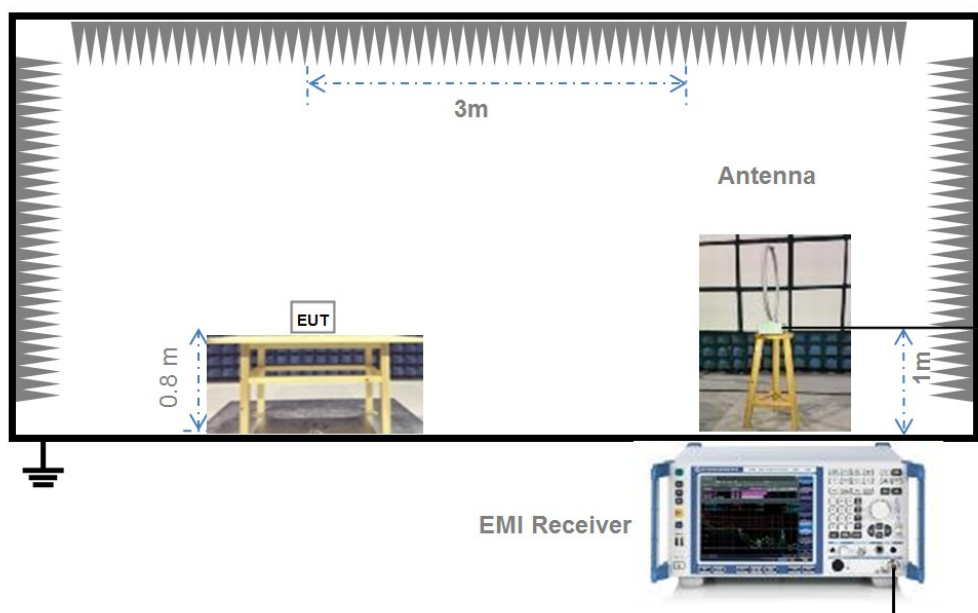
(Diagram 1)

4.5.2 For AC Power Supply Port Test



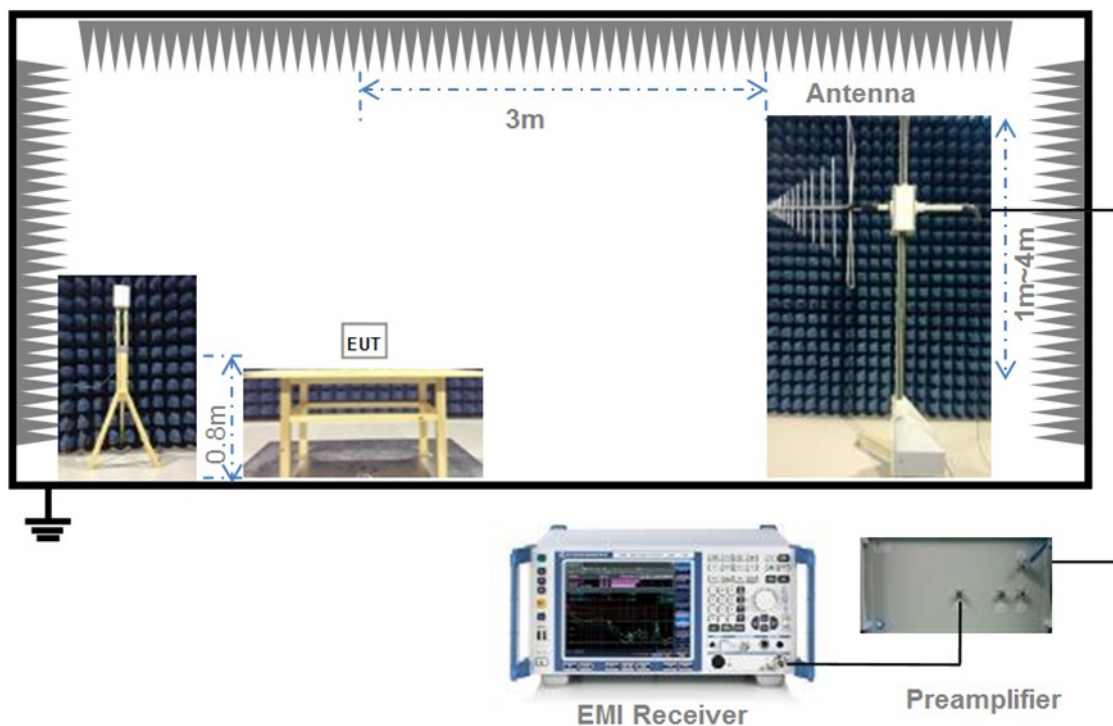
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



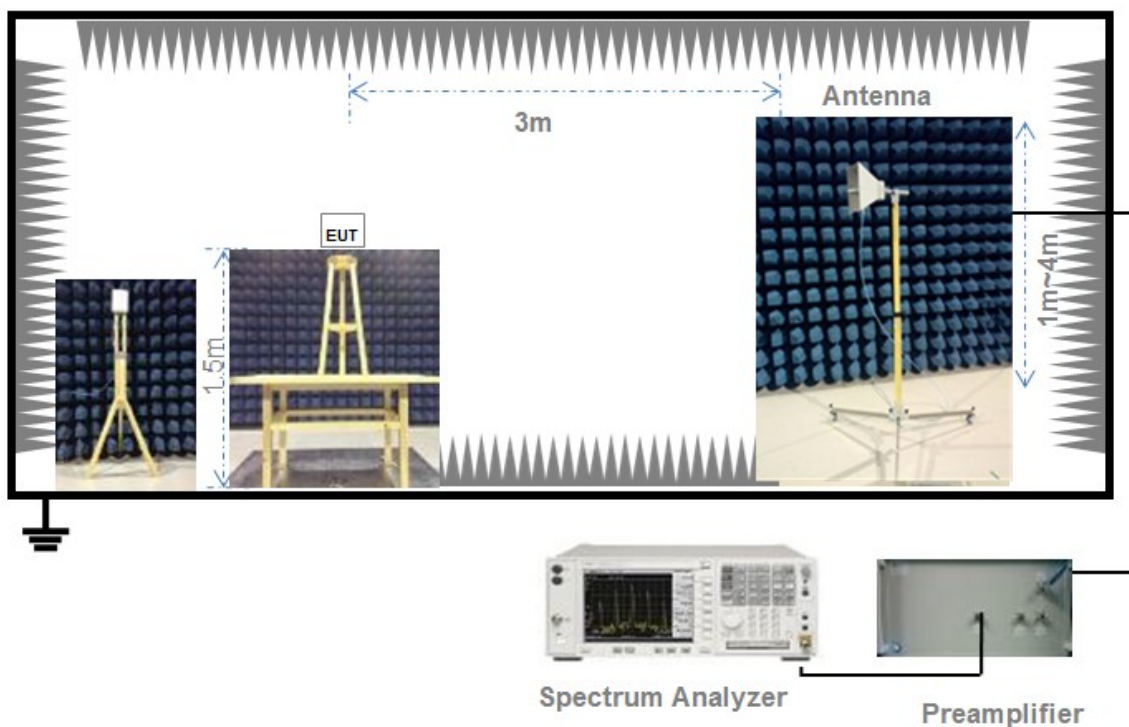
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

5.1.2 Test Setup

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

5.1.3 Test Procedure

Maximum conducted (average) output power

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

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

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

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

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

Measurements of duty cycle

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

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

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

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

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

The E.I.R.P used radiated test method. At a test site that has been validated using the procedures of ANSI C63.10 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a)

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

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

Occupied Bandwidth

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

6 dB bandwidth

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

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

1. Set RBW = 510 kHz/1 MHz, VBW $\geq 3 \times$ RBW, Sweep time = Auto, Detector = RMS.
2. Allow the sweeps to continue until the trace stabilizes.
3. Use the peak marker function to determine the maximum amplitude level.
4. The E.I.R.P spectral density used radiated test method. At a test site that has been validated using the procedures of ANSI C63.10 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

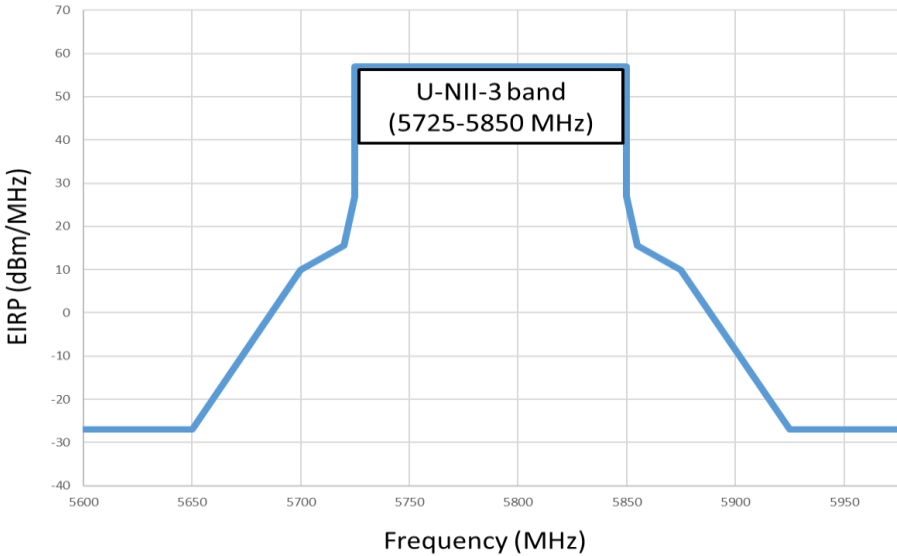
5.5.1 Limit

FCC §15.209 & 15.407(b)

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

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

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

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.

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	17.52	56.49	250	Pass
11a	CH44	17.13	51.64	250	Pass
11a	CH48	17.48	55.98	250	Pass
11n(HT20)	CH36	17.38	54.70	250	Pass
11n(HT20)	CH44	16.78	47.64	250	Pass
11n(HT20)	CH48	16.87	48.64	250	Pass
11n(HT40)	CH38	18.05	63.83	250	Pass
11n(HT40)	CH46	17.73	59.29	250	Pass
11ac(VHT20)	CH36	17.35	54.33	250	Pass
11ac(VHT20)	CH44	16.99	50.00	250	Pass
11ac(VHT20)	CH48	16.84	48.31	250	Pass
11ac(VHT40)	CH38	17.18	52.24	250	Pass
11ac(VHT40)	CH46	17.16	52.00	250	Pass
11ac(VHT80)	CH42	15.71	37.24	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	17.57	57.15	250	Pass
11a	CH60	17.64	58.08	250	Pass
11a	CH64	17.98	62.81	250	Pass
11n(HT20)	CH52	17.64	58.08	250	Pass
11n(HT20)	CH60	18.01	63.24	250	Pass
11n(HT20)	CH64	17.79	60.12	250	Pass
11n(HT40)	CH54	17.69	58.75	250	Pass
11n(HT40)	CH62	15.42	34.83	250	Pass
11ac(VHT20)	CH52	17.75	59.57	250	Pass
11ac(VHT20)	CH60	17.71	59.02	250	Pass
11ac(VHT20)	CH64	17.72	59.16	250	Pass
11ac(VHT40)	CH54	17.09	51.17	250	Pass
11ac(VHT40)	CH62	17.25	53.09	250	Pass
11ac(VHT80)	CH58	14.37	27.35	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	18.02	63.39	250	Pass
11a	CH116	17.38	54.70	250	Pass
11a	CH140	17.63	57.94	250	Pass
11n(HT20)	CH100	17.81	60.39	250	Pass
11n(HT20)	CH116	17.43	55.34	250	Pass
11n(HT20)	CH140	17.28	53.46	250	Pass
11n(HT40)	CH102	15.97	39.54	250	Pass
11n(HT40)	CH118	17.37	54.58	250	Pass
11n(HT40)	CH134	17.28	53.46	250	Pass
11ac(VHT20)	CH100	17.61	57.68	250	Pass
11ac(VHT20)	CH116	17.33	54.08	250	Pass
11ac(VHT20)	CH140	16.17	41.40	250	Pass
11ac(VHT40)	CH102	17.08	51.05	250	Pass
11ac(VHT40)	CH118	16.48	44.46	250	Pass
11ac(VHT40)	CH134	16.17	41.40	250	Pass
11ac(VHT80)	CH106	14.07	25.53	250	Pass
11ac(VHT80)	CH122	15.21	33.19	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	17.98	62.81	1000	Pass
11a	CH157	17.97	62.66	1000	Pass
11a	CH165	17.56	57.02	1000	Pass
11n(HT20)	CH149	17.78	59.98	1000	Pass
11n(HT20)	CH157	17.29	53.58	1000	Pass
11n(HT20)	CH165	17.45	55.59	1000	Pass
11n(HT40)	CH151	17.61	57.68	1000	Pass
11n(HT40)	CH159	17.53	56.62	1000	Pass
11ac(VHT20)	CH149	17.68	58.61	1000	Pass
11ac(VHT20)	CH157	17.06	50.82	1000	Pass
11ac(VHT20)	CH165	17.37	54.58	1000	Pass
11ac(VHT40)	CH151	17.73	59.29	1000	Pass
11ac(VHT40)	CH159	17.29	53.58	1000	Pass
11ac(VHT80)	CH155	16.09	40.64	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: The Emission Bandwidth & 99% Bandwidth please refer to the Report No. PD20240152-R3E which issued by Hefei Panwin Technology Co., Ltd. on Feb. 24, 2025, Section 4.1 6dB and 26dB and 99% Occupied Bandwidth Measurement.

A.3 6 dB Bandwidth

Note: The 6 dB Bandwidth please refer to the Report No. PD20240152-R3E which issued by Hefei Panwin Technology Co., Ltd. on Feb. 24, 2025, Section 4.1 6dB and 26dB and 99% Occupied Bandwidth Measurement.

A.4 Power Spectral Density

Note: The Power Spectral Density please refer to the Report No. PD20240152-R3E which issued by Hefei Panwin Technology Co., Ltd. on Feb. 24, 2025, Section 4.3 Power Spectral Density Measurement.

A.5 Conducted Emissions

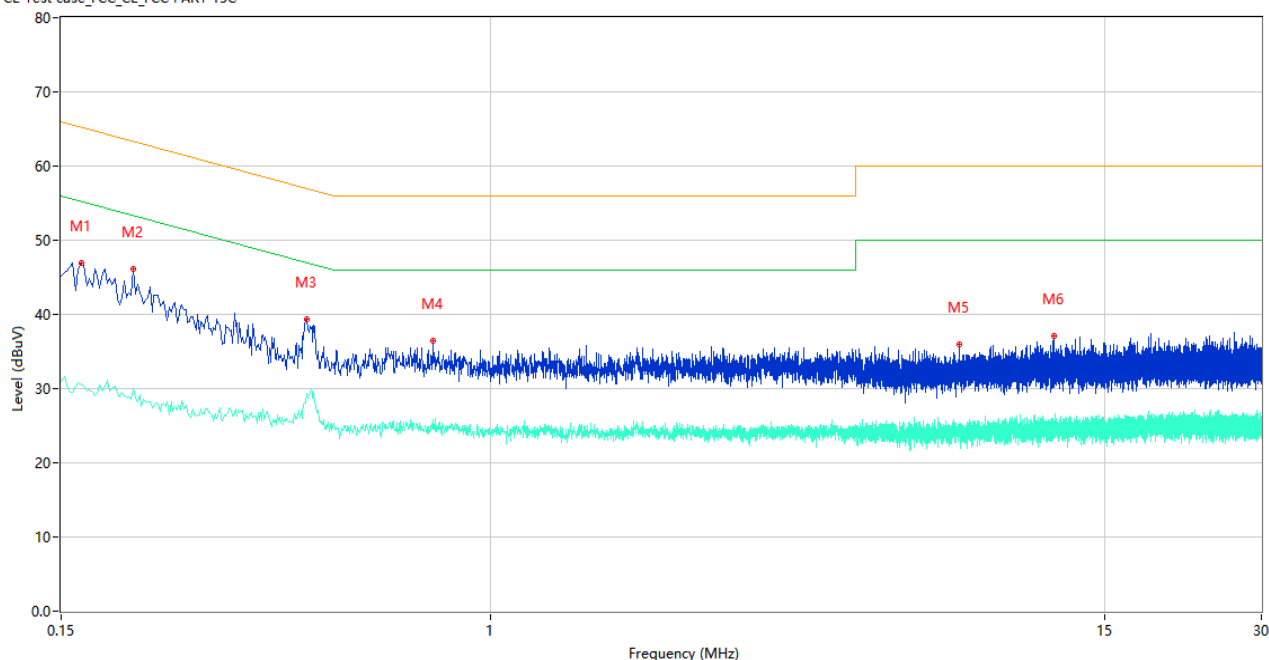
Note ¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

Test Data and Plots

PHASE L

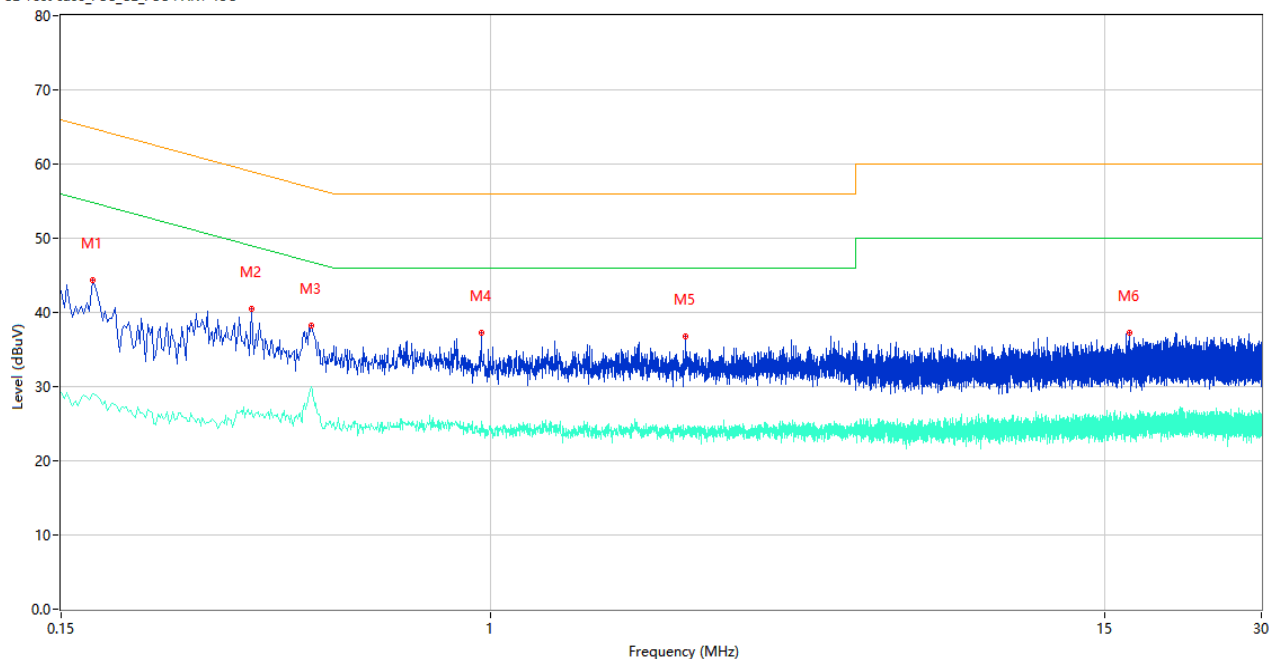
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.164	47.01	9.85	65.26	18.25	Peak	L	Pass
1**	0.164	30.43	9.85	55.26	24.83	AV	L	Pass
2	0.206	46.20	9.84	63.37	17.17	Peak	L	Pass
2**	0.206	30.06	9.84	53.37	23.31	AV	L	Pass
3	0.444	39.30	10.15	56.99	17.69	Peak	L	Pass
3**	0.444	29.36	10.15	46.99	17.63	AV	L	Pass
4	0.776	36.40	10.42	56.00	19.60	Peak	L	Pass
4**	0.776	25.78	10.42	46.00	20.22	AV	L	Pass
5	7.924	35.98	10.36	60.00	24.02	Peak	L	Pass
5**	7.924	24.04	10.36	50.00	25.96	AV	L	Pass
6	12.016	37.12	10.48	60.00	22.88	Peak	L	Pass
6**	12.016	25.68	10.48	50.00	24.32	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	0.172	44.31	9.85	64.86	20.55	Peak	N	Pass
1**	0.172	29.02	9.85	54.86	25.84	AV	N	Pass
2	0.348	40.50	10.78	59.01	18.51	Peak	N	Pass
2**	0.348	26.81	10.78	49.01	22.20	AV	N	Pass
3	0.452	38.16	10.09	56.84	18.68	Peak	N	Pass
3**	0.452	30.02	10.09	46.84	16.82	AV	N	Pass
4	0.958	37.31	10.11	56.00	18.69	Peak	N	Pass
4**	0.958	25.26	10.11	46.00	20.74	AV	N	Pass
5	2.366	36.83	10.16	56.00	19.17	Peak	N	Pass
5**	2.366	23.89	10.16	46.00	22.11	AV	N	Pass
6	16.798	37.28	10.87	60.00	22.72	Peak	N	Pass
6**	16.798	24.31	10.87	50.00	25.69	AV	N	Pass

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

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

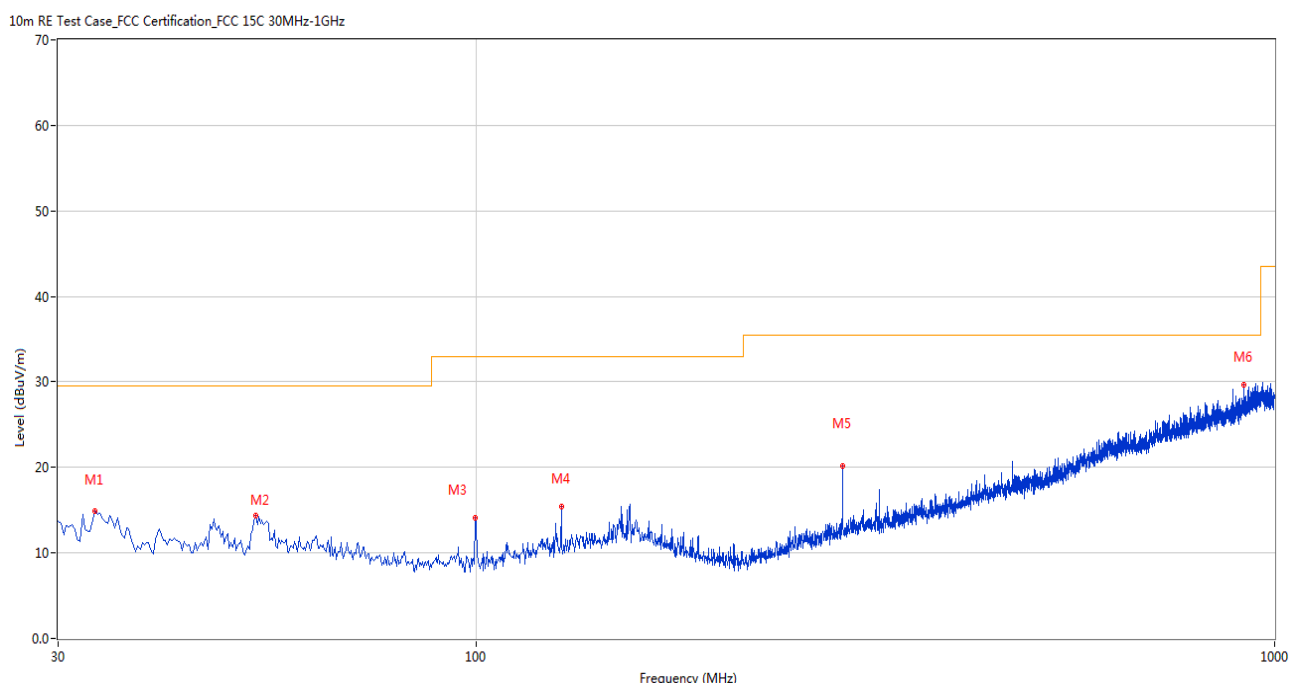
Note ²: For the test data above 1 GHz, According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

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

Test Data and Plots

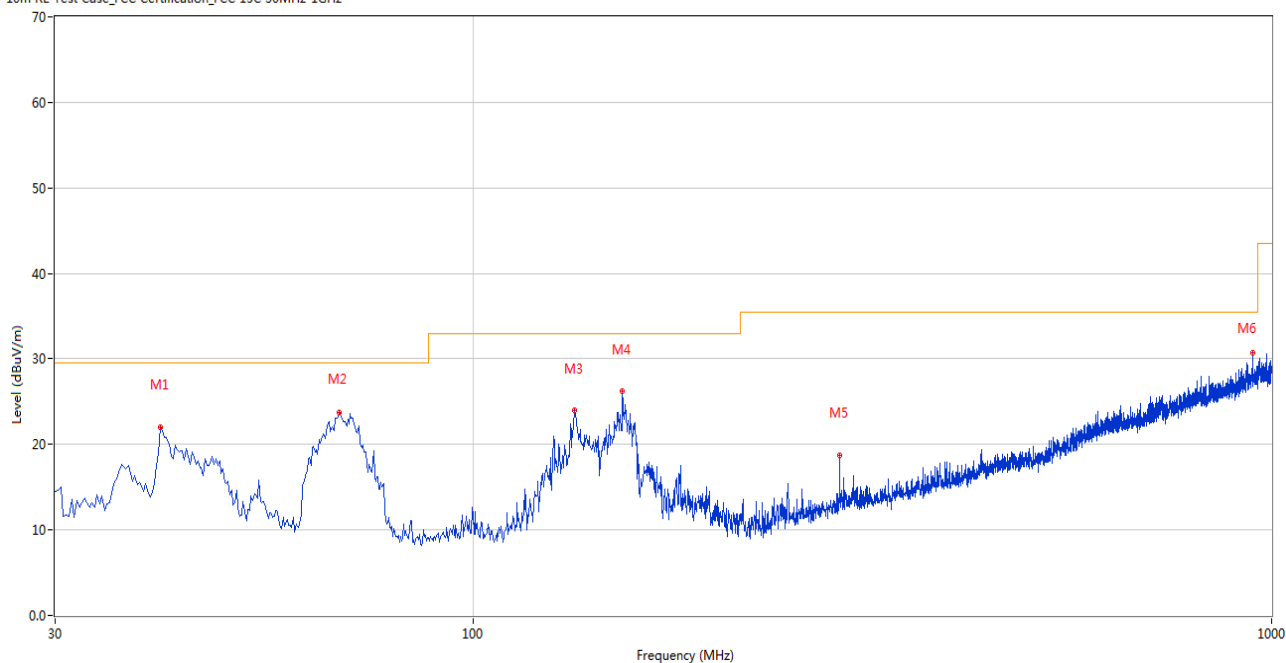
30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	33.394	14.91	-26.96	29.5	14.59	Peak	0.00	200	Horizontal	Pass
2	53.032	14.39	-27.00	29.5	15.11	Peak	270.00	100	Horizontal	Pass
3	99.823	14.16	-29.96	33.0	18.84	Peak	313.00	100	Horizontal	Pass
4	127.946	15.38	-27.47	33.0	17.62	Peak	41.00	100	Horizontal	Pass
5	287.956	20.16	-25.91	35.5	15.34	Peak	353.00	200	Horizontal	Pass
6	915.146	29.66	-10.47	35.5	5.84	Peak	0.00	200	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	40.667	21.98	-26.72	29.5	7.52	Peak	360.00	200	Vertical	Pass
2	68.063	23.68	-28.79	29.5	5.82	Peak	360.00	200	Vertical	Pass
3	134.249	23.93	-27.16	33.0	9.07	Peak	69.00	100	Vertical	Pass
4	153.887	26.17	-26.29	33.0	6.83	Peak	275.00	100	Vertical	Pass
5	287.956	18.77	-25.91	35.5	16.73	Peak	2.00	100	Vertical	Pass
6	947.876	30.73	-9.73	35.5	4.77	Peak	166.00	100	Vertical	Pass

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

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1514.739	36.73	74.0	37.27	Peak	243.00	300	Horizontal	Pass
1**	1514.739	32.10	54.0	21.90	AV	243.00	300	Horizontal	Pass
2	2346.408	47.43	74.0	26.57	Peak	21.00	400	Horizontal	Pass
2**	2346.408	38.25	54.0	15.75	AV	21.00	400	Horizontal	Pass
3	4206.916	50.13	74.0	23.87	Peak	111.00	200	Horizontal	Pass
3**	4206.916	40.54	54.0	13.46	AV	111.00	200	Horizontal	Pass
4	7433.944	53.19	74.0	20.81	Peak	351.00	300	Horizontal	Pass
4**	7433.944	44.09	54.0	9.91	AV	351.00	300	Horizontal	Pass
5	12521.754	53.48	74.0	20.52	Peak	258.00	100	Horizontal	Pass
5**	12521.754	47.82	54.0	6.18	AV	258.00	100	Horizontal	Pass
6	16149.207	52.69	74.0	21.31	Peak	104.00	200	Horizontal	Pass
6**	16149.207	42.09	54.0	11.91	AV	104.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1568.218	38.53	74.0	35.47	Peak	64.00	300	Vertical	Pass
1**	1568.218	25.10	54.0	28.90	AV	64.00	300	Vertical	Pass
2	2346.393	42.62	74.0	31.38	Peak	260.00	100	Vertical	Pass
2**	2346.393	35.77	54.0	18.23	AV	260.00	100	Vertical	Pass
3	3915.178	45.89	74.0	28.11	Peak	236.00	200	Vertical	Pass
3**	3915.178	35.58	54.0	18.42	AV	236.00	200	Vertical	Pass
4	7677.990	50.96	74.0	23.04	Peak	291.00	400	Vertical	Pass
4**	7677.990	45.18	54.0	8.82	AV	291.00	400	Vertical	Pass
5	12527.497	55.90	74.0	18.10	Peak	14.00	300	Vertical	Pass
5**	12527.497	45.02	54.0	8.98	AV	14.00	300	Vertical	Pass
6	15379.263	53.69	74.0	20.31	Peak	277.00	300	Vertical	Pass
6**	15379.263	45.13	54.0	8.87	AV	277.00	300	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	1510.232	38.58	74.0	35.42	Peak	135.00	400	Horizontal	Pass
1**	1510.232	32.09	54.0	21.91	AV	135.00	400	Horizontal	Pass
2	2344.980	45.35	74.0	28.65	Peak	324.00	400	Horizontal	Pass
2**	2344.980	40.26	54.0	13.74	AV	324.00	400	Horizontal	Pass
3	4203.580	49.44	74.0	24.56	Peak	347.00	200	Horizontal	Pass
3**	4203.580	36.90	54.0	17.10	AV	347.00	200	Horizontal	Pass
4	7435.746	57.07	74.0	16.93	Peak	333.00	400	Horizontal	Pass
4**	7435.746	40.72	54.0	13.28	AV	333.00	400	Horizontal	Pass
5	12521.682	57.61	74.0	16.39	Peak	337.00	100	Horizontal	Pass
5**	12521.682	49.05	54.0	4.95	AV	337.00	100	Horizontal	Pass
6	16148.678	51.78	74.0	22.22	Peak	15.00	300	Horizontal	Pass
6**	16148.678	42.09	54.0	11.91	AV	15.00	300	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	1571.681	35.75	74.0	38.25	Peak	173.00	400	Vertical	Pass
1**	1571.681	23.84	54.0	30.16	AV	173.00	400	Vertical	Pass
2	2347.268	44.80	74.0	29.20	Peak	108.00	300	Vertical	Pass
2**	2347.268	32.69	54.0	21.31	AV	108.00	300	Vertical	Pass
3	3914.457	42.76	74.0	31.24	Peak	256.00	200	Vertical	Pass
3**	3914.457	37.64	54.0	16.36	AV	256.00	200	Vertical	Pass
4	7679.671	52.95	74.0	21.05	Peak	124.00	200	Vertical	Pass
4**	7679.671	42.95	54.0	11.05	AV	124.00	200	Vertical	Pass
5	12531.010	55.25	74.0	18.75	Peak	286.00	200	Vertical	Pass
5**	12531.010	41.49	54.0	12.51	AV	286.00	200	Vertical	Pass
6	15383.729	55.80	74.0	18.20	Peak	166.00	200	Vertical	Pass
6**	15383.729	45.26	54.0	8.74	AV	166.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1507.923	39.73	74.0	34.27	Peak	248.00	200	Horizontal	Pass
1**	1507.923	30.54	54.0	23.46	AV	248.00	200	Horizontal	Pass
2	2350.527	45.07	74.0	28.93	Peak	290.00	200	Horizontal	Pass
2**	2350.527	38.31	54.0	15.69	AV	290.00	200	Horizontal	Pass
3	4203.374	48.04	74.0	25.96	Peak	292.00	200	Horizontal	Pass
3**	4203.374	37.47	54.0	16.53	AV	292.00	200	Horizontal	Pass
4	7432.415	51.80	74.0	22.20	Peak	36.00	300	Horizontal	Pass
4**	7432.415	44.32	54.0	9.68	AV	36.00	300	Horizontal	Pass
5	12520.023	55.04	74.0	18.96	Peak	177.00	200	Horizontal	Pass
5**	12520.023	48.11	54.0	5.89	AV	177.00	200	Horizontal	Pass
6	16144.393	53.87	74.0	20.13	Peak	36.00	200	Horizontal	Pass
6**	16144.393	41.16	54.0	12.84	AV	36.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1569.304	38.30	74.0	35.70	Peak	93.00	200	Vertical	Pass
1**	1569.304	27.36	54.0	26.64	AV	93.00	200	Vertical	Pass
2	2349.838	43.56	74.0	30.44	Peak	267.00	400	Vertical	Pass
2**	2349.838	31.67	54.0	22.33	AV	267.00	400	Vertical	Pass
3	3921.060	45.19	74.0	28.81	Peak	56.00	200	Vertical	Pass
3**	3921.060	36.97	54.0	17.03	AV	56.00	200	Vertical	Pass
4	7676.738	53.64	74.0	20.36	Peak	233.00	300	Vertical	Pass
4**	7676.738	42.41	54.0	11.59	AV	233.00	300	Vertical	Pass
5	12525.758	57.04	74.0	16.96	Peak	202.00	400	Vertical	Pass
5**	12525.758	44.65	54.0	9.35	AV	202.00	400	Vertical	Pass
6	15381.577	55.59	74.0	18.41	Peak	210.00	200	Vertical	Pass
6**	15381.577	45.13	54.0	8.87	AV	210.00	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	1510.255	41.57	74.0	32.43	Peak	96.00	200	Horizontal	Pass
1**	1510.255	29.56	54.0	24.44	AV	96.00	200	Horizontal	Pass
2	2348.072	43.50	74.0	30.50	Peak	352.00	200	Horizontal	Pass
2**	2348.072	36.43	54.0	17.57	AV	352.00	200	Horizontal	Pass
3	4206.435	47.79	74.0	26.21	Peak	4.00	200	Horizontal	Pass
3**	4206.435	38.85	54.0	15.15	AV	4.00	200	Horizontal	Pass
4	7431.454	57.11	74.0	16.89	Peak	8.00	100	Horizontal	Pass
4**	7431.454	40.58	54.0	13.42	AV	8.00	100	Horizontal	Pass
5	12521.726	55.19	74.0	18.81	Peak	81.00	300	Horizontal	Pass
5**	12521.726	49.69	54.0	4.31	AV	81.00	300	Horizontal	Pass
6	16144.861	55.32	74.0	18.68	Peak	168.00	300	Horizontal	Pass
6**	16144.861	46.07	54.0	7.93	AV	168.00	300	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	1567.046	37.25	74.0	36.75	Peak	354.00	100	Vertical	Pass
1**	1567.046	25.16	54.0	28.84	AV	354.00	100	Vertical	Pass
2	2343.869	41.98	74.0	32.02	Peak	77.00	300	Vertical	Pass
2**	2343.869	36.22	54.0	17.78	AV	77.00	300	Vertical	Pass
3	3919.120	46.88	74.0	27.12	Peak	353.00	200	Vertical	Pass
3**	3919.120	38.27	54.0	15.73	AV	353.00	200	Vertical	Pass
4	7679.148	49.09	74.0	24.91	Peak	335.00	400	Vertical	Pass
4**	7679.148	46.31	54.0	7.69	AV	335.00	400	Vertical	Pass
5	12530.957	53.14	74.0	20.86	Peak	220.00	400	Vertical	Pass
5**	12530.957	40.72	54.0	13.28	AV	220.00	400	Vertical	Pass
6	15383.351	54.61	74.0	19.39	Peak	238.00	100	Vertical	Pass
6**	15383.351	45.90	54.0	8.10	AV	238.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.809	41.19	74.0	32.81	Peak	98.00	300	Horizontal	Pass
1**	1511.809	32.41	54.0	21.59	AV	98.00	300	Horizontal	Pass
2	2345.473	42.03	74.0	31.97	Peak	265.00	100	Horizontal	Pass
2**	2345.473	38.56	54.0	15.44	AV	265.00	100	Horizontal	Pass
3	4208.100	49.52	74.0	24.48	Peak	33.00	200	Horizontal	Pass
3**	4208.100	38.73	54.0	15.27	AV	33.00	200	Horizontal	Pass
4	7434.454	55.49	74.0	18.51	Peak	54.00	300	Horizontal	Pass
4**	7434.454	44.71	54.0	9.29	AV	54.00	300	Horizontal	Pass
5	12518.947	57.40	74.0	16.60	Peak	336.00	200	Horizontal	Pass
5**	12518.947	47.61	54.0	6.39	AV	336.00	200	Horizontal	Pass
6	16149.091	54.08	74.0	19.92	Peak	300.00	100	Horizontal	Pass
6**	16149.091	45.35	54.0	8.65	AV	300.00	100	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	1567.398	37.92	74.0	36.08	Peak	324.00	100	Vertical	Pass
1**	1567.398	27.77	54.0	26.23	AV	324.00	100	Vertical	Pass
2	2349.452	46.19	74.0	27.81	Peak	158.00	400	Vertical	Pass
2**	2349.452	31.93	54.0	22.07	AV	158.00	400	Vertical	Pass
3	3916.815	41.80	74.0	32.20	Peak	141.00	200	Vertical	Pass
3**	3916.815	38.58	54.0	15.42	AV	141.00	200	Vertical	Pass
4	7678.780	52.83	74.0	21.17	Peak	218.00	400	Vertical	Pass
4**	7678.780	46.20	54.0	7.80	AV	218.00	400	Vertical	Pass
5	12530.724	56.75	74.0	17.25	Peak	279.00	300	Vertical	Pass
5**	12530.724	42.58	54.0	11.42	AV	279.00	300	Vertical	Pass
6	15385.448	52.68	74.0	21.32	Peak	143.00	400	Vertical	Pass
6**	15385.448	44.46	54.0	9.54	AV	143.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1515.628	39.32	74.0	34.68	Peak	320.00	100	Horizontal	Pass
1**	1515.628	29.58	54.0	24.42	AV	320.00	100	Horizontal	Pass
2	2347.039	41.92	74.0	32.08	Peak	359.00	200	Horizontal	Pass
2**	2347.039	39.12	54.0	14.88	AV	359.00	200	Horizontal	Pass
3	4205.699	45.29	74.0	28.71	Peak	239.00	200	Horizontal	Pass
3**	4205.699	35.58	54.0	18.42	AV	239.00	200	Horizontal	Pass
4	7435.720	51.40	74.0	22.60	Peak	119.00	400	Horizontal	Pass
4**	7435.720	40.70	54.0	13.30	AV	119.00	400	Horizontal	Pass
5	12518.943	57.72	74.0	16.28	Peak	169.00	300	Horizontal	Pass
5**	12518.943	48.23	54.0	5.77	AV	169.00	300	Horizontal	Pass
6	16150.655	55.58	74.0	18.42	Peak	118.00	100	Horizontal	Pass
6**	16150.655	43.66	54.0	10.34	AV	118.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1574.380	37.51	74.0	36.49	Peak	78.00	300	Vertical	Pass
1**	1574.380	28.09	54.0	25.91	AV	78.00	300	Vertical	Pass
2	2349.304	45.86	74.0	28.14	Peak	147.00	200	Vertical	Pass
2**	2349.304	35.01	54.0	18.99	AV	147.00	200	Vertical	Pass
3	3916.240	45.95	74.0	28.05	Peak	308.00	200	Vertical	Pass
3**	3916.240	35.43	54.0	18.57	AV	308.00	200	Vertical	Pass
4	7680.912	49.35	74.0	24.65	Peak	207.00	400	Vertical	Pass
4**	7680.912	43.22	54.0	10.78	AV	207.00	400	Vertical	Pass
5	12528.371	56.14	74.0	17.86	Peak	329.00	200	Vertical	Pass
5**	12528.371	40.43	54.0	13.57	AV	329.00	200	Vertical	Pass
6	15383.813	52.68	74.0	21.32	Peak	222.00	300	Vertical	Pass
6**	15383.813	42.27	54.0	11.73	AV	222.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1513.282	42.19	74.0	31.81	Peak	90.00	200	Horizontal	Pass
1**	1513.282	28.55	54.0	25.45	AV	90.00	200	Horizontal	Pass
2	2351.459	42.53	74.0	31.47	Peak	195.00	400	Horizontal	Pass
2**	2351.459	34.59	54.0	19.41	AV	195.00	400	Horizontal	Pass
3	4203.994	44.85	74.0	29.15	Peak	352.00	200	Horizontal	Pass
3**	4203.994	38.60	54.0	15.40	AV	352.00	200	Horizontal	Pass
4	7433.195	51.81	74.0	22.19	Peak	225.00	400	Horizontal	Pass
4**	7433.195	40.20	54.0	13.80	AV	225.00	400	Horizontal	Pass
5	12520.386	55.04	74.0	18.96	Peak	304.00	200	Horizontal	Pass
5**	12520.386	44.58	54.0	9.42	AV	304.00	200	Horizontal	Pass
6	16145.502	55.44	74.0	18.56	Peak	278.00	300	Horizontal	Pass
6**	16145.502	44.04	54.0	9.96	AV	278.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1570.350	33.99	74.0	40.01	Peak	326.00	100	Vertical	Pass
1**	1570.350	26.90	54.0	27.10	AV	326.00	100	Vertical	Pass
2	2345.652	43.18	74.0	30.82	Peak	105.00	300	Vertical	Pass
2**	2345.652	31.42	54.0	22.58	AV	105.00	300	Vertical	Pass
3	3918.816	45.16	74.0	28.84	Peak	315.00	200	Vertical	Pass
3**	3918.816	33.46	54.0	20.54	AV	315.00	200	Vertical	Pass
4	7681.854	49.96	74.0	24.04	Peak	210.00	200	Vertical	Pass
4**	7681.854	41.08	54.0	12.92	AV	210.00	200	Vertical	Pass
5	12529.446	58.75	74.0	15.25	Peak	23.00	300	Vertical	Pass
5**	12529.446	40.77	54.0	13.23	AV	23.00	300	Vertical	Pass
6	15384.691	53.93	74.0	20.07	Peak	5.00	200	Vertical	Pass
6**	15384.691	46.89	54.0	7.11	AV	5.00	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	1513.843	41.03	74.0	32.97	Peak	234.00	100	Horizontal	Pass
1**	1513.843	32.50	54.0	21.50	AV	234.00	100	Horizontal	Pass
2	2348.463	47.18	74.0	26.82	Peak	265.00	300	Horizontal	Pass
2**	2348.463	40.00	54.0	14.00	AV	265.00	300	Horizontal	Pass
3	4206.670	47.67	74.0	26.33	Peak	269.00	200	Horizontal	Pass
3**	4206.670	40.35	54.0	13.65	AV	269.00	200	Horizontal	Pass
4	7431.152	57.30	74.0	16.70	Peak	350.00	400	Horizontal	Pass
4**	7431.152	40.51	54.0	13.49	AV	350.00	400	Horizontal	Pass
5	12515.734	56.45	74.0	17.55	Peak	218.00	200	Horizontal	Pass
5**	12515.734	48.88	54.0	5.12	AV	218.00	200	Horizontal	Pass
6	16144.120	53.32	74.0	20.68	Peak	246.00	200	Horizontal	Pass
6**	16144.120	41.39	54.0	12.61	AV	246.00	200	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	1572.654	38.90	74.0	35.10	Peak	68.00	100	Vertical	Pass
1**	1572.654	28.08	54.0	25.92	AV	68.00	100	Vertical	Pass
2	2343.114	47.04	74.0	26.96	Peak	133.00	300	Vertical	Pass
2**	2343.114	31.96	54.0	22.04	AV	133.00	300	Vertical	Pass
3	3915.810	46.59	74.0	27.41	Peak	301.00	200	Vertical	Pass
3**	3915.810	37.87	54.0	16.13	AV	301.00	200	Vertical	Pass
4	7682.658	52.30	74.0	21.70	Peak	336.00	300	Vertical	Pass
4**	7682.658	44.88	54.0	9.12	AV	336.00	300	Vertical	Pass
5	12526.051	56.63	74.0	17.37	Peak	148.00	200	Vertical	Pass
5**	12526.051	40.49	54.0	13.51	AV	148.00	200	Vertical	Pass
6	15380.695	52.82	74.0	21.18	Peak	133.00	200	Vertical	Pass
6**	15380.695	44.23	54.0	9.77	AV	133.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.312	41.62	74.0	32.38	Peak	196.00	200	Horizontal	Pass
1**	1511.312	31.54	54.0	22.46	AV	196.00	200	Horizontal	Pass
2	2346.004	45.76	74.0	28.24	Peak	204.00	400	Horizontal	Pass
2**	2346.004	35.07	54.0	18.93	AV	204.00	400	Horizontal	Pass
3	4202.212	46.16	74.0	27.84	Peak	9.00	200	Horizontal	Pass
3**	4202.212	39.66	54.0	14.34	AV	9.00	200	Horizontal	Pass
4	7435.795	53.59	74.0	20.41	Peak	49.00	200	Horizontal	Pass
4**	7435.795	40.58	54.0	13.42	AV	49.00	200	Horizontal	Pass
5	12521.191	55.88	74.0	18.12	Peak	143.00	200	Horizontal	Pass
5**	12521.191	46.54	54.0	7.46	AV	143.00	200	Horizontal	Pass
6	16145.215	57.23	74.0	16.77	Peak	105.00	400	Horizontal	Pass
6**	16145.215	43.89	54.0	10.11	AV	105.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1573.844	37.49	74.0	36.51	Peak	15.00	400	Vertical	Pass
1**	1573.844	23.84	54.0	30.16	AV	15.00	400	Vertical	Pass
2	2345.576	43.68	74.0	30.32	Peak	161.00	200	Vertical	Pass
2**	2345.576	35.59	54.0	18.41	AV	161.00	200	Vertical	Pass
3	3919.970	43.59	74.0	30.41	Peak	247.00	200	Vertical	Pass
3**	3919.970	34.09	54.0	19.91	AV	247.00	200	Vertical	Pass
4	7683.758	53.40	74.0	20.60	Peak	197.00	400	Vertical	Pass
4**	7683.758	43.94	54.0	10.06	AV	197.00	400	Vertical	Pass
5	12527.835	55.73	74.0	18.27	Peak	148.00	400	Vertical	Pass
5**	12527.835	43.80	54.0	10.20	AV	148.00	400	Vertical	Pass
6	15385.806	51.09	74.0	22.91	Peak	155.00	200	Vertical	Pass
6**	15385.806	42.65	54.0	11.35	AV	155.00	200	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	1511.559	42.10	74.0	31.90	Peak	332.00	400	Horizontal	Pass
1**	1511.559	29.40	54.0	24.60	AV	332.00	400	Horizontal	Pass
2	2348.689	43.85	74.0	30.15	Peak	60.00	200	Horizontal	Pass
2**	2348.689	37.03	54.0	16.97	AV	60.00	200	Horizontal	Pass
3	4209.267	48.94	74.0	25.06	Peak	255.00	200	Horizontal	Pass
3**	4209.267	38.06	54.0	15.94	AV	255.00	200	Horizontal	Pass
4	7431.792	57.22	74.0	16.78	Peak	281.00	400	Horizontal	Pass
4**	7431.792	39.98	54.0	14.02	AV	281.00	400	Horizontal	Pass
5	12519.054	55.85	74.0	18.15	Peak	165.00	100	Horizontal	Pass
5**	12519.054	46.72	54.0	7.28	AV	165.00	100	Horizontal	Pass
6	16148.547	53.94	74.0	20.06	Peak	282.00	400	Horizontal	Pass
6**	16148.547	41.20	54.0	12.80	AV	282.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1571.432	37.67	74.0	36.33	Peak	61.00	200	Vertical	Pass
1**	1571.432	27.45	54.0	26.55	AV	61.00	200	Vertical	Pass
2	2350.392	44.98	74.0	29.02	Peak	46.00	400	Vertical	Pass
2**	2350.392	31.75	54.0	22.25	AV	46.00	400	Vertical	Pass
3	3916.939	45.02	74.0	28.98	Peak	107.00	200	Vertical	Pass
3**	3916.939	36.89	54.0	17.11	AV	107.00	200	Vertical	Pass
4	7680.167	49.54	74.0	24.46	Peak	302.00	300	Vertical	Pass
4**	7680.167	46.34	54.0	7.66	AV	302.00	300	Vertical	Pass
5	12532.076	53.94	74.0	20.06	Peak	194.00	200	Vertical	Pass
5**	12532.076	43.04	54.0	10.96	AV	194.00	200	Vertical	Pass
6	15385.807	54.14	74.0	19.86	Peak	71.00	200	Vertical	Pass
6**	15385.807	46.98	54.0	7.02	AV	71.00	200	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	1511.788	42.13	74.0	31.87	Peak	18.00	200	Horizontal	Pass
1**	1511.788	32.23	54.0	21.77	AV	18.00	200	Horizontal	Pass
2	2350.860	45.62	74.0	28.38	Peak	248.00	400	Horizontal	Pass
2**	2350.860	36.79	54.0	17.21	AV	248.00	400	Horizontal	Pass
3	4206.125	47.05	74.0	26.95	Peak	154.00	200	Horizontal	Pass
3**	4206.125	37.80	54.0	16.20	AV	154.00	200	Horizontal	Pass
4	7434.969	54.73	74.0	19.27	Peak	239.00	300	Horizontal	Pass
4**	7434.969	42.23	54.0	11.77	AV	239.00	300	Horizontal	Pass
5	12514.769	53.53	74.0	20.47	Peak	249.00	400	Horizontal	Pass
5**	12514.769	49.92	54.0	4.08	AV	249.00	400	Horizontal	Pass
6	16148.681	55.89	74.0	18.11	Peak	289.00	300	Horizontal	Pass
6**	16148.681	44.01	54.0	9.99	AV	289.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1568.112	37.69	74.0	36.31	Peak	354.00	300	Vertical	Pass
1**	1568.112	27.63	54.0	26.37	AV	354.00	300	Vertical	Pass
2	2351.007	42.80	74.0	31.20	Peak	135.00	300	Vertical	Pass
2**	2351.007	35.61	54.0	18.39	AV	135.00	300	Vertical	Pass
3	3919.901	47.29	74.0	26.71	Peak	202.00	200	Vertical	Pass
3**	3919.901	36.88	54.0	17.12	AV	202.00	200	Vertical	Pass
4	7677.677	49.39	74.0	24.61	Peak	150.00	200	Vertical	Pass
4**	7677.677	46.62	54.0	7.38	AV	150.00	200	Vertical	Pass
5	12527.357	58.32	74.0	15.68	Peak	163.00	100	Vertical	Pass
5**	12527.357	44.12	54.0	9.88	AV	163.00	100	Vertical	Pass
6	15383.135	51.39	74.0	22.61	Peak	290.00	400	Vertical	Pass
6**	15383.135	47.55	54.0	6.45	AV	290.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1515.503	41.22	74.0	32.78	Peak	43.00	100	Horizontal	Pass
1**	1515.503	26.63	54.0	27.37	AV	43.00	100	Horizontal	Pass
2	2344.493	43.38	74.0	30.62	Peak	140.00	100	Horizontal	Pass
2**	2344.493	35.95	54.0	18.05	AV	140.00	100	Horizontal	Pass
3	4207.456	48.66	74.0	25.34	Peak	79.00	200	Horizontal	Pass
3**	4207.456	38.35	54.0	15.65	AV	79.00	200	Horizontal	Pass
4	7433.293	56.09	74.0	17.91	Peak	248.00	100	Horizontal	Pass
4**	7433.293	43.51	54.0	10.49	AV	248.00	100	Horizontal	Pass
5	12516.571	55.05	74.0	18.95	Peak	261.00	100	Horizontal	Pass
5**	12516.571	48.02	54.0	5.98	AV	261.00	100	Horizontal	Pass
6	16148.822	52.91	74.0	21.09	Peak	331.00	300	Horizontal	Pass
6**	16148.822	46.55	54.0	7.45	AV	331.00	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	1573.126	37.77	74.0	36.23	Peak	133.00	100	Vertical	Pass
1**	1573.126	29.50	54.0	24.50	AV	133.00	100	Vertical	Pass
2	2347.124	45.71	74.0	28.29	Peak	280.00	400	Vertical	Pass
2**	2347.124	31.27	54.0	22.73	AV	280.00	400	Vertical	Pass
3	3913.805	42.79	74.0	31.21	Peak	83.00	200	Vertical	Pass
3**	3913.805	38.07	54.0	15.93	AV	83.00	200	Vertical	Pass
4	7683.877	51.86	74.0	22.14	Peak	31.00	100	Vertical	Pass
4**	7683.877	44.45	54.0	9.55	AV	31.00	100	Vertical	Pass
5	12533.455	58.28	74.0	15.72	Peak	335.00	300	Vertical	Pass
5**	12533.455	43.61	54.0	10.39	AV	335.00	300	Vertical	Pass
6	15380.869	51.85	74.0	22.15	Peak	332.00	200	Vertical	Pass
6**	15380.869	42.05	54.0	11.95	AV	332.00	200	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	1508.435	37.93	74.0	36.07	Peak	41.00	300	Horizontal	Pass
1**	1508.435	31.98	54.0	22.02	AV	41.00	300	Horizontal	Pass
2	2352.285	46.62	74.0	27.38	Peak	183.00	100	Horizontal	Pass
2**	2352.285	37.26	54.0	16.74	AV	183.00	100	Horizontal	Pass
3	4209.045	50.23	74.0	23.77	Peak	305.00	200	Horizontal	Pass
3**	4209.045	40.35	54.0	13.65	AV	305.00	200	Horizontal	Pass
4	7435.844	54.04	74.0	19.96	Peak	14.00	200	Horizontal	Pass
4**	7435.844	39.89	54.0	14.11	AV	14.00	200	Horizontal	Pass
5	12516.224	58.31	74.0	15.69	Peak	63.00	400	Horizontal	Pass
5**	12516.224	46.23	54.0	7.77	AV	63.00	400	Horizontal	Pass
6	16150.572	56.93	74.0	17.07	Peak	185.00	300	Horizontal	Pass
6**	16150.572	43.14	54.0	10.86	AV	185.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1567.351	39.40	74.0	34.60	Peak	45.00	400	Vertical	Pass
1**	1567.351	24.38	54.0	29.62	AV	45.00	400	Vertical	Pass
2	2348.200	42.70	74.0	31.30	Peak	152.00	100	Vertical	Pass
2**	2348.200	33.22	54.0	20.78	AV	152.00	100	Vertical	Pass
3	3915.259	46.66	74.0	27.34	Peak	315.00	200	Vertical	Pass
3**	3915.259	33.71	54.0	20.29	AV	315.00	200	Vertical	Pass
4	7679.472	53.99	74.0	20.01	Peak	89.00	200	Vertical	Pass
4**	7679.472	46.46	54.0	7.54	AV	89.00	200	Vertical	Pass
5	12528.201	56.70	74.0	17.30	Peak	234.00	300	Vertical	Pass
5**	12528.201	40.41	54.0	13.59	AV	234.00	300	Vertical	Pass
6	15380.577	53.47	74.0	20.53	Peak	77.00	400	Vertical	Pass
6**	15380.577	42.40	54.0	11.60	AV	77.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1509.995	39.12	74.0	34.88	Peak	343.00	200	Horizontal	Pass
1**	1509.995	30.03	54.0	23.97	AV	343.00	200	Horizontal	Pass
2	2350.136	45.26	74.0	28.74	Peak	168.00	300	Horizontal	Pass
2**	2350.136	34.91	54.0	19.09	AV	168.00	300	Horizontal	Pass
3	4208.160	48.21	74.0	25.79	Peak	295.00	200	Horizontal	Pass
3**	4208.160	36.42	54.0	17.58	AV	295.00	200	Horizontal	Pass
4	7438.261	52.39	74.0	21.61	Peak	203.00	200	Horizontal	Pass
4**	7438.261	43.12	54.0	10.88	AV	203.00	200	Horizontal	Pass
5	12514.834	58.55	74.0	15.45	Peak	194.00	400	Horizontal	Pass
5**	12514.834	47.53	54.0	6.47	AV	194.00	400	Horizontal	Pass
6	16145.958	55.91	74.0	18.09	Peak	209.00	100	Horizontal	Pass
6**	16145.958	43.28	54.0	10.72	AV	209.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1573.803	39.16	74.0	34.84	Peak	183.00	200	Vertical	Pass
1**	1573.803	27.16	54.0	26.84	AV	183.00	200	Vertical	Pass
2	2349.876	47.90	74.0	26.10	Peak	22.00	100	Vertical	Pass
2**	2349.876	31.16	54.0	22.84	AV	22.00	100	Vertical	Pass
3	3915.845	42.56	74.0	31.44	Peak	196.00	200	Vertical	Pass
3**	3915.845	38.90	54.0	15.10	AV	196.00	200	Vertical	Pass
4	7684.275	49.94	74.0	24.06	Peak	259.00	100	Vertical	Pass
4**	7684.275	43.26	54.0	10.74	AV	259.00	100	Vertical	Pass
5	12533.072	56.24	74.0	17.76	Peak	5.00	200	Vertical	Pass
5**	12533.072	40.01	54.0	13.99	AV	5.00	200	Vertical	Pass
6	15383.342	51.74	74.0	22.26	Peak	270.00	300	Vertical	Pass
6**	15383.342	46.42	54.0	7.58	AV	270.00	300	Vertical	Pass

11a, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1520.882	37.58	74.0	36.42	Peak	169.00	200	Horizontal	Pass
1**	1520.882	31.19	54.0	22.81	AV	169.00	200	Horizontal	Pass
2	2272.595	43.85	74.0	30.15	Peak	115.00	200	Horizontal	Pass
2**	2272.595	32.50	54.0	21.50	AV	115.00	200	Horizontal	Pass
3	4046.760	47.09	74.0	26.91	Peak	204.00	200	Horizontal	Pass
3**	4046.760	36.55	54.0	17.45	AV	204.00	200	Horizontal	Pass
4	7619.155	52.51	74.0	21.49	Peak	250.00	100	Horizontal	Pass
4**	7619.155	41.84	54.0	12.16	AV	250.00	100	Horizontal	Pass
5	12457.737	54.47	74.0	19.53	Peak	99.00	400	Horizontal	Pass
5**	12457.737	45.33	54.0	8.67	AV	99.00	400	Horizontal	Pass
6	15905.646	51.81	74.0	22.19	Peak	236.00	200	Horizontal	Pass
6**	15905.646	47.33	54.0	6.67	AV	236.00	200	Horizontal	Pass

11a, U-NII-2A, 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	1526.418	38.21	74.0	35.79	Peak	13.00	200	Vertical	Pass
1**	1526.418	26.11	54.0	27.89	AV	13.00	200	Vertical	Pass
2	2335.409	44.18	74.0	29.82	Peak	360.00	400	Vertical	Pass
2**	2335.409	35.22	54.0	18.78	AV	360.00	400	Vertical	Pass
3	4896.338	52.29	74.0	21.71	Peak	24.00	200	Vertical	Pass
3**	4896.338	40.05	54.0	13.95	AV	24.00	200	Vertical	Pass
4	7324.025	50.92	74.0	23.08	Peak	96.00	200	Vertical	Pass
4**	7324.025	42.34	54.0	11.66	AV	96.00	200	Vertical	Pass
5	12488.727	51.82	74.0	22.18	Peak	152.00	300	Vertical	Pass
5**	12488.727	42.71	54.0	11.29	AV	152.00	300	Vertical	Pass
6	15690.309	56.06	74.0	17.94	Peak	277.00	300	Vertical	Pass
6**	15690.309	43.78	54.0	10.22	AV	277.00	300	Vertical	Pass

11a, U-NII-2A, 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	1523.419	37.76	74.0	36.24	Peak	271.00	400	Horizontal	Pass
1**	1523.419	29.07	54.0	24.93	AV	271.00	400	Horizontal	Pass
2	2272.223	43.20	74.0	30.80	Peak	202.00	200	Horizontal	Pass
2**	2272.223	33.51	54.0	20.49	AV	202.00	200	Horizontal	Pass
3	4050.473	44.80	74.0	29.20	Peak	207.00	200	Horizontal	Pass
3**	4050.473	38.97	54.0	15.03	AV	207.00	200	Horizontal	Pass
4	7622.150	50.50	74.0	23.50	Peak	114.00	300	Horizontal	Pass
4**	7622.150	44.82	54.0	9.18	AV	114.00	300	Horizontal	Pass
5	12451.048	54.96	74.0	19.04	Peak	208.00	300	Horizontal	Pass
5**	12451.048	41.57	54.0	12.43	AV	208.00	300	Horizontal	Pass
6	15903.653	52.10	74.0	21.90	Peak	284.00	400	Horizontal	Pass
6**	15903.653	41.72	54.0	12.28	AV	284.00	400	Horizontal	Pass

11a, U-NII-2A, 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	1533.143	36.43	74.0	37.57	Peak	344.00	200	Vertical	Pass
1**	1533.143	28.96	54.0	25.04	AV	344.00	200	Vertical	Pass
2	2331.718	46.87	74.0	27.13	Peak	37.00	200	Vertical	Pass
2**	2331.718	33.12	54.0	20.88	AV	37.00	200	Vertical	Pass
3	4901.502	48.10	74.0	25.90	Peak	67.00	200	Vertical	Pass
3**	4901.502	41.68	54.0	12.32	AV	67.00	200	Vertical	Pass
4	7327.125	52.71	74.0	21.29	Peak	273.00	100	Vertical	Pass
4**	7327.125	45.40	54.0	8.60	AV	273.00	100	Vertical	Pass
5	12490.173	50.19	74.0	23.81	Peak	219.00	100	Vertical	Pass
5**	12490.173	44.53	54.0	9.47	AV	219.00	100	Vertical	Pass
6	15694.983	54.00	74.0	20.00	Peak	77.00	400	Vertical	Pass
6**	15694.983	44.31	54.0	9.69	AV	77.00	400	Vertical	Pass

11a, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1525.844	38.30	74.0	35.70	Peak	225.00	100	Horizontal	Pass
1**	1525.844	27.52	54.0	26.48	AV	225.00	100	Horizontal	Pass
2	2277.101	44.27	74.0	29.73	Peak	28.00	100	Horizontal	Pass
2**	2277.101	35.87	54.0	18.13	AV	28.00	100	Horizontal	Pass
3	4049.587	45.51	74.0	28.49	Peak	339.00	200	Horizontal	Pass
3**	4049.587	38.50	54.0	15.50	AV	339.00	200	Horizontal	Pass
4	7619.439	53.62	74.0	20.38	Peak	348.00	200	Horizontal	Pass
4**	7619.439	42.62	54.0	11.38	AV	348.00	200	Horizontal	Pass
5	12456.754	53.97	74.0	20.03	Peak	50.00	100	Horizontal	Pass
5**	12456.754	42.89	54.0	11.11	AV	50.00	100	Horizontal	Pass
6	15907.221	52.39	74.0	21.61	Peak	126.00	200	Horizontal	Pass
6**	15907.221	43.35	54.0	10.65	AV	126.00	200	Horizontal	Pass

11a, U-NII-2A, 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	1532.872	38.46	74.0	35.54	Peak	119.00	100	Vertical	Pass
1**	1532.872	26.91	54.0	27.09	AV	119.00	100	Vertical	Pass
2	2333.026	45.00	74.0	29.00	Peak	296.00	300	Vertical	Pass
2**	2333.026	35.39	54.0	18.61	AV	296.00	300	Vertical	Pass
3	4900.544	47.71	74.0	26.29	Peak	258.00	200	Vertical	Pass
3**	4900.544	38.46	54.0	15.54	AV	258.00	200	Vertical	Pass
4	7324.780	54.51	74.0	19.49	Peak	283.00	100	Vertical	Pass
4**	7324.780	43.29	54.0	10.71	AV	283.00	100	Vertical	Pass
5	12488.954	54.62	74.0	19.38	Peak	200.00	100	Vertical	Pass
5**	12488.954	43.40	54.0	10.60	AV	200.00	100	Vertical	Pass
6	15689.999	55.34	74.0	18.66	Peak	2.00	300	Vertical	Pass
6**	15689.999	45.04	54.0	8.96	AV	2.00	300	Vertical	Pass

11n20, U-NII-2A, 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	1521.824	37.51	74.0	36.49	Peak	71.00	300	Horizontal	Pass
1**	1521.824	30.81	54.0	23.19	AV	71.00	300	Horizontal	Pass
2	2275.027	41.60	74.0	32.40	Peak	223.00	300	Horizontal	Pass
2**	2275.027	36.97	54.0	17.03	AV	223.00	300	Horizontal	Pass
3	4043.856	48.32	74.0	25.68	Peak	212.00	200	Horizontal	Pass
3**	4043.856	34.78	54.0	19.22	AV	212.00	200	Horizontal	Pass
4	7620.225	50.84	74.0	23.16	Peak	355.00	100	Horizontal	Pass
4**	7620.225	41.68	54.0	12.32	AV	355.00	100	Horizontal	Pass
5	12451.926	51.28	74.0	22.72	Peak	92.00	300	Horizontal	Pass
5**	12451.926	44.95	54.0	9.05	AV	92.00	300	Horizontal	Pass
6	15902.679	56.31	74.0	17.69	Peak	190.00	400	Horizontal	Pass
6**	15902.679	43.32	54.0	10.68	AV	190.00	400	Horizontal	Pass

11n20, U-NII-2A, 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	1527.870	37.88	74.0	36.12	Peak	95.00	100	Vertical	Pass
1**	1527.870	27.13	54.0	26.87	AV	95.00	100	Vertical	Pass
2	2338.060	47.38	74.0	26.62	Peak	285.00	300	Vertical	Pass
2**	2338.060	34.43	54.0	19.57	AV	285.00	300	Vertical	Pass
3	4903.346	49.65	74.0	24.35	Peak	157.00	200	Vertical	Pass
3**	4903.346	36.82	54.0	17.18	AV	157.00	200	Vertical	Pass
4	7328.416	55.50	74.0	18.50	Peak	268.00	100	Vertical	Pass
4**	7328.416	46.66	54.0	7.34	AV	268.00	100	Vertical	Pass
5	12490.270	55.96	74.0	18.04	Peak	320.00	400	Vertical	Pass
5**	12490.270	44.65	54.0	9.35	AV	320.00	400	Vertical	Pass
6	15695.310	56.29	74.0	17.71	Peak	86.00	100	Vertical	Pass
6**	15695.310	42.31	54.0	11.69	AV	86.00	100	Vertical	Pass

11n20, U-NII-2A, 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	1526.925	38.97	74.0	35.03	Peak	302.00	100	Horizontal	Pass
1**	1526.925	30.09	54.0	23.91	AV	302.00	100	Horizontal	Pass
2	2277.605	45.05	74.0	28.95	Peak	25.00	300	Horizontal	Pass
2**	2277.605	35.97	54.0	18.03	AV	25.00	300	Horizontal	Pass
3	4043.874	44.95	74.0	29.05	Peak	324.00	200	Horizontal	Pass
3**	4043.874	38.05	54.0	15.95	AV	324.00	200	Horizontal	Pass
4	7620.097	55.57	74.0	18.43	Peak	43.00	200	Horizontal	Pass
4**	7620.097	44.27	54.0	9.73	AV	43.00	200	Horizontal	Pass
5	12456.704	50.55	74.0	23.45	Peak	97.00	400	Horizontal	Pass
5**	12456.704	44.11	54.0	9.89	AV	97.00	400	Horizontal	Pass
6	15906.398	56.15	74.0	17.85	Peak	322.00	200	Horizontal	Pass
6**	15906.398	43.32	54.0	10.68	AV	322.00	200	Horizontal	Pass

11n20, U-NII-2A, 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	1530.255	39.36	74.0	34.64	Peak	240.00	100	Vertical	Pass
1**	1530.255	26.12	54.0	27.88	AV	240.00	100	Vertical	Pass
2	2336.422	42.89	74.0	31.11	Peak	37.00	200	Vertical	Pass
2**	2336.422	37.39	54.0	16.61	AV	37.00	200	Vertical	Pass
3	4903.198	47.17	74.0	26.83	Peak	333.00	200	Vertical	Pass
3**	4903.198	39.82	54.0	14.18	AV	333.00	200	Vertical	Pass
4	7327.142	54.74	74.0	19.26	Peak	234.00	300	Vertical	Pass
4**	7327.142	41.32	54.0	12.68	AV	234.00	300	Vertical	Pass
5	12484.681	55.90	74.0	18.10	Peak	14.00	300	Vertical	Pass
5**	12484.681	42.50	54.0	11.50	AV	14.00	300	Vertical	Pass
6	15693.316	51.40	74.0	22.60	Peak	227.00	400	Vertical	Pass
6**	15693.316	43.28	54.0	10.72	AV	227.00	400	Vertical	Pass

11n20, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1525.295	41.02	74.0	32.98	Peak	152.00	200	Horizontal	Pass
1**	1525.295	26.52	54.0	27.48	AV	152.00	200	Horizontal	Pass
2	2273.112	41.45	74.0	32.55	Peak	103.00	100	Horizontal	Pass
2**	2273.112	32.57	54.0	21.43	AV	103.00	100	Horizontal	Pass
3	4044.679	44.62	74.0	29.38	Peak	205.00	200	Horizontal	Pass
3**	4044.679	34.78	54.0	19.22	AV	205.00	200	Horizontal	Pass
4	7619.024	52.65	74.0	21.35	Peak	43.00	200	Horizontal	Pass
4**	7619.024	42.43	54.0	11.57	AV	43.00	200	Horizontal	Pass
5	12457.667	52.14	74.0	21.86	Peak	153.00	300	Horizontal	Pass
5**	12457.667	46.54	54.0	7.46	AV	153.00	300	Horizontal	Pass
6	15904.754	52.59	74.0	21.41	Peak	340.00	300	Horizontal	Pass
6**	15904.754	46.50	54.0	7.50	AV	340.00	300	Horizontal	Pass

11n20, U-NII-2A, 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	1533.539	38.72	74.0	35.28	Peak	322.00	200	Vertical	Pass
1**	1533.539	29.48	54.0	24.52	AV	322.00	200	Vertical	Pass
2	2333.980	44.21	74.0	29.79	Peak	28.00	200	Vertical	Pass
2**	2333.980	36.09	54.0	17.91	AV	28.00	200	Vertical	Pass
3	4903.053	48.52	74.0	25.48	Peak	343.00	200	Vertical	Pass
3**	4903.053	41.92	54.0	12.08	AV	343.00	200	Vertical	Pass
4	7326.842	53.01	74.0	20.99	Peak	15.00	200	Vertical	Pass
4**	7326.842	45.98	54.0	8.02	AV	15.00	200	Vertical	Pass
5	12482.600	50.92	74.0	23.08	Peak	1.00	100	Vertical	Pass
5**	12482.600	45.01	54.0	8.99	AV	1.00	100	Vertical	Pass
6	15691.139	52.74	74.0	21.26	Peak	111.00	300	Vertical	Pass
6**	15691.139	47.12	54.0	6.88	AV	111.00	300	Vertical	Pass

11n40, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1525.932	39.94	74.0	34.06	Peak	21.00	400	Horizontal	Pass
1**	1525.932	28.21	54.0	25.79	AV	21.00	400	Horizontal	Pass
2	2276.828	46.32	74.0	27.68	Peak	64.00	300	Horizontal	Pass
2**	2276.828	33.78	54.0	20.22	AV	64.00	300	Horizontal	Pass
3	4047.829	49.03	74.0	24.97	Peak	220.00	200	Horizontal	Pass
3**	4047.829	34.60	54.0	19.40	AV	220.00	200	Horizontal	Pass
4	7618.425	55.50	74.0	18.50	Peak	359.00	300	Horizontal	Pass
4**	7618.425	45.73	54.0	8.27	AV	359.00	300	Horizontal	Pass
5	12457.658	55.08	74.0	18.92	Peak	251.00	100	Horizontal	Pass
5**	12457.658	45.62	54.0	8.38	AV	251.00	100	Horizontal	Pass
6	15905.314	54.15	74.0	19.85	Peak	257.00	300	Horizontal	Pass
6**	15905.314	43.11	54.0	10.89	AV	257.00	300	Horizontal	Pass

11n40, U-NII-2A, 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	1531.956	38.73	74.0	35.27	Peak	170.00	100	Vertical	Pass
1**	1531.956	31.53	54.0	22.47	AV	170.00	100	Vertical	Pass
2	2333.313	44.96	74.0	29.04	Peak	198.00	300	Vertical	Pass
2**	2333.313	34.86	54.0	19.14	AV	198.00	300	Vertical	Pass
3	4902.416	51.14	74.0	22.86	Peak	253.00	200	Vertical	Pass
3**	4902.416	40.65	54.0	13.35	AV	253.00	200	Vertical	Pass
4	7324.510	53.61	74.0	20.39	Peak	264.00	200	Vertical	Pass
4**	7324.510	43.00	54.0	11.00	AV	264.00	200	Vertical	Pass
5	12486.367	53.14	74.0	20.86	Peak	295.00	300	Vertical	Pass
5**	12486.367	46.51	54.0	7.49	AV	295.00	300	Vertical	Pass
6	15693.412	54.64	74.0	19.36	Peak	144.00	300	Vertical	Pass
6**	15693.412	45.52	54.0	8.48	AV	144.00	300	Vertical	Pass

11n40, U-NII-2A, 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	1527.776	40.23	74.0	33.77	Peak	108.00	100	Horizontal	Pass
1**	1527.776	27.51	54.0	26.49	AV	108.00	100	Horizontal	Pass
2	2278.098	45.52	74.0	28.48	Peak	353.00	100	Horizontal	Pass
2**	2278.098	36.07	54.0	17.93	AV	353.00	100	Horizontal	Pass
3	4048.850	50.08	74.0	23.92	Peak	259.00	200	Horizontal	Pass
3**	4048.850	36.03	54.0	17.97	AV	259.00	200	Horizontal	Pass
4	7622.517	52.17	74.0	21.83	Peak	168.00	400	Horizontal	Pass
4**	7622.517	41.05	54.0	12.95	AV	168.00	400	Horizontal	Pass
5	12456.857	55.86	74.0	18.14	Peak	101.00	400	Horizontal	Pass
5**	12456.857	43.31	54.0	10.69	AV	101.00	400	Horizontal	Pass
6	15901.088	54.85	74.0	19.15	Peak	25.00	400	Horizontal	Pass
6**	15901.088	43.64	54.0	10.36	AV	25.00	400	Horizontal	Pass

11n40, U-NII-2A, 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	1528.392	36.51	74.0	37.49	Peak	246.00	400	Vertical	Pass
1**	1528.392	25.90	54.0	28.10	AV	246.00	400	Vertical	Pass
2	2332.082	42.66	74.0	31.34	Peak	220.00	100	Vertical	Pass
2**	2332.082	37.94	54.0	16.06	AV	220.00	100	Vertical	Pass
3	4901.543	52.19	74.0	21.81	Peak	326.00	200	Vertical	Pass
3**	4901.543	41.27	54.0	12.73	AV	326.00	200	Vertical	Pass
4	7328.902	53.85	74.0	20.15	Peak	299.00	200	Vertical	Pass
4**	7328.902	44.02	54.0	9.98	AV	299.00	200	Vertical	Pass
5	12487.582	55.33	74.0	18.67	Peak	195.00	300	Vertical	Pass
5**	12487.582	44.85	54.0	9.15	AV	195.00	300	Vertical	Pass
6	15690.068	51.40	74.0	22.60	Peak	43.00	100	Vertical	Pass
6**	15690.068	43.78	54.0	10.22	AV	43.00	100	Vertical	Pass