TEST REPORT

Applicant:	Sichuan AI-Link Technology Co., Ltd
Address:	Anzhou Industrial Park, Mianyang, Sichuan, P.R.C
Equipment Type:	WIFI module
Model Name:	AL-7605B-WG-A (refer section 2.4)
Brand Name:	AILINK
FCC ID:	2AOKI-AL7605B
IC Number:	23460-AL7605B
Test Standard:	47 CFR Part 15 Subpart E RSS-Gen Issue 5 RSS-247 Issue 2 (refer section 3.1)
Test Date:	Mar. 8, 2022 ~ Mar. 18, 2022
Date of Issue:	Mar. 24, 2022

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Julie zhu **Checked by:** Ye Hongji **Approved by:** Liao Jianming (Technical Director)

Revision History

Version	Issue Date	Revisions
Rev. 01	Mar. 24, 2022	Initial Issue

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1 Administrative Data (GENERAL INFORMATION)

1.1 Identification of the Testing Laboratory

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

1.2 Identification of the Responsible Testing Location

Test Location	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park Shahe Xi Road, Nanshan District Shenzhen, Guangdong Province, People's Republic of China
Description	All measurement facilities used to collect the measurement data are located at Block B, 1/F, Baisha Science and Technology Park Shahe Xi Road, Nanshan District Shenzhen, Guangdong Province, People's Republic of China

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Sichuan AI-Link Technology Co., Ltd
Address	Anzhou Industrial Park, Mianyang, Sichuan, P.R.C

2.2 Manufacturer Information

Manufacturer	Sichuan AI-Link Technology Co., Ltd
Address	Anzhou Industrial Park, Mianyang, Sichuan, P.R.C

2.3 Factory Information

Factory	Sichuan AI-Link Technology Co., Ltd
Address	Anzhou Industrial Park, Mianyang, Sichuan, P.R.C

2.4 General Description for Equipment under Test (EUT)

EUT Name	WIFI module
Model Name Under Test	AL-7605B-WG-A
Series Model Name	WF-M605-UWD1, WF-M605-UWD2
Description of Model name differentiation	All models are same with electrical parameters and internal circuit structure, but only differ in model name.
Serial Number	2022031200002
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.5 Technical Information

Network and Wireless connectivity	2.4G WIFI 802.11b, 802.11g and 802.11n(HT20/40) 5G WIFI 802.11a and 802.11n(HT20/40), U-NII-1/2A/2C/3

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		64QAM, 16QAM, BPSK, QPSK
Product Type		Indoor and Portable
Transfer Rate (Mbps) (Single RF path)		802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps
Channel Bandwidth		802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz
Maximum Output Power		23.12 dBm
Antenna System (eg., MIMO, Smart Antenna)		Cyclic Delay Diversity (CDD) for 802.11a Multi Input Multi Output (MIMO) for 802.11n/ac
Categorization as Correlated or Completely Uncorrelated		Categorization as Correlated for 802.11a Categorization as Uncorrelated for 802.11n/ac
Antenna Type	Antenna 0	PIFA Antenna
	Antenna 1	
Antenna Gain	Model: TX-DM85BD113B63M	5.52 dBi (In test items related to antenna gain, the final results reflect this figure. This value is provided by the applicant.)
	Model: TX-DM735BD113B63M	0.97 dBi (In test items related to antenna gain, the final results reflect this figure. This value is provided by the applicant.)
Total directional gain	For power spectral density(PSD) measurements	Correlated: 5.52 dBi Formulas: Directional gain may be calculated by using the formulas applicable to equal gain antennas with GANT set equal to the gain of the antenna having the highest gain. Uncorrelated: 5.52 dBi Formulas: Directional gain = GANT + *10 log(NANT/NSS) dB*. *NSS* =2, GANT set equal to the gain of the antenna having the highest gain.

	For power measurements	Correlated: 5.52 dBi Formulas: Directional gain may be calculated by using the formulas applicable to equal gain antennas with GANT set equal to the gain of the antenna having the highest gain. Uncorrelated: 5.52 dBi Formulas: Directional gain = GANT + *10 log(NANT/NSS) dB*. *NSS* =2, GANT set equal to the gain of the antenna having the highest gain
About the Product		The equipment is WIFI module, intended for used with information technology equipment.

Antenna Information:

Antenna Manufacturer	Model	Antenna Type	Antenna Gain
B&T	TX-DM85BD113B63M	PIFA	5.52 dBi
	TX-DM735BD113B63M	PIFA	0.97 dBi
Note: After technology evaluation, the max gain antenna was choose as external antenna for all test.			

2.6 Additional Instructions

EUT Software Settings:

Mode	☒ Special software is used. The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.

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

Test Software Version	MT7663 QA 0.0.2.6		
Support Units (Software installation media)	Description	Manufacturer	Model
	Notebook	Lenovo	X220

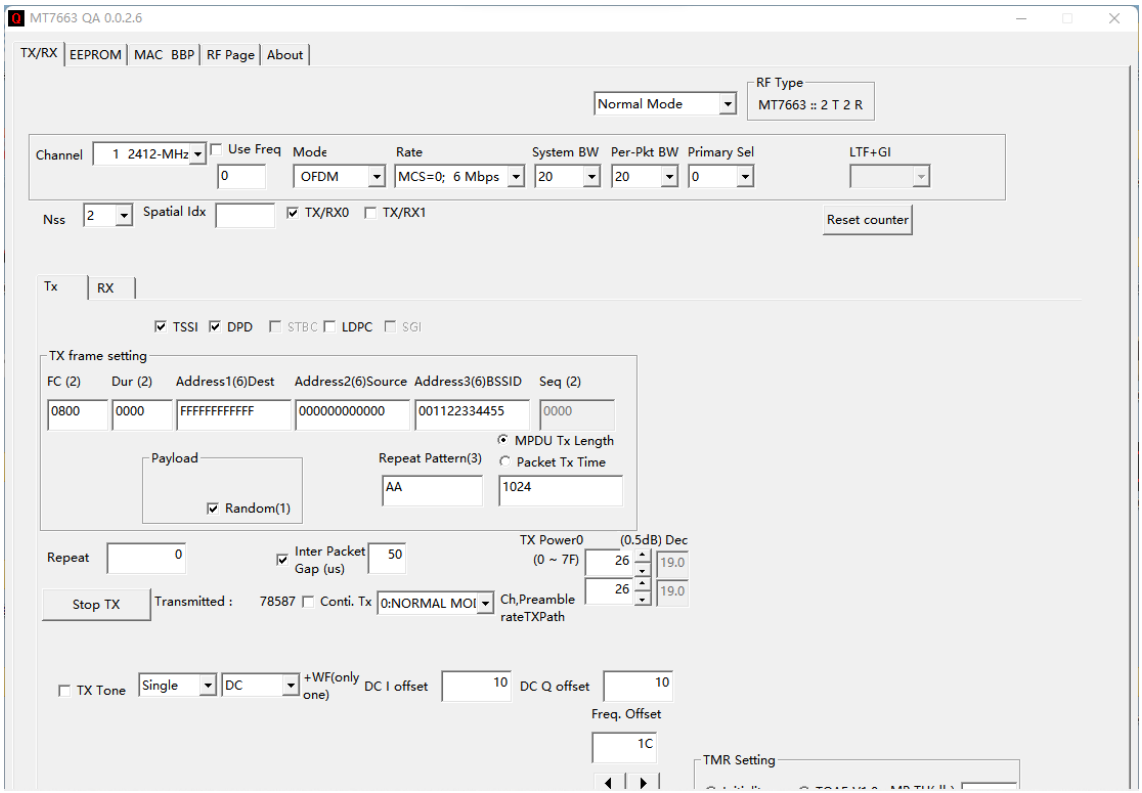
U-NII-1 (5150 - 5250 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH36	5180	21.00
11a	CH44	5220	22.00
11a	CH48	5240	22.00
11n (HT20)	CH36	5180	22.00
11n (HT20)	CH44	5220	22.00
11n (HT20)	CH48	5240	22.00
11n (HT40)	CH38	5190	1E
11n (HT40)	CH46	5230	22.00

U-NII-2A (5250 - 5350 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH52	5260	22.00
11a	CH60	5300	22.00
11a	CH64	5320	21.00
11n (HT20)	CH52	5260	22.00
11n (HT20)	CH60	5300	22.00
11n (HT20)	CH64	5320	22.00
11n (HT40)	CH54	5270	22.00
11n (HT40)	CH62	5310	20.00

U-NII-2C (5470 - 5725 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH100	5500	22.00
11a	CH116	5580	23.00
11a	CH140	5700	21.00
11n (HT20)	CH100	5500	22.00
11n (HT20)	CH116	5580	23.00
11n (HT20)	CH140	5700	21.00
11n (HT40)	CH102	5510	20.00
11n (HT40)	CH118	5590	23.00
11n (HT40)	CH134	5670	22.00

U-NII-3 (5725 - 5850 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH149	5745	23.00
11a	CH157	5785	23.00
11a	CH165	5825	23.00
11n (HT20)	CH149	5745	24.00
11n (HT20)	CH157	5785	24.00
11n (HT20)	CH165	5825	24.00
11n (HT40)	CH151	5755	24.00
11n (HT40)	CH159	5795	24.00

Run Software:



2.7 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**	**138**	**5690**
56	5280	110	5550	**155**	**5775**
60	**5300**	118	5590		
64	**5320**	126	5630		
100	**5500**	134	5670		
104	5520	**151**	**5755**		
108	5540	**159**	**5795**		
112	5560	**159**	**5795**		
116	**5580**				
120	5600				
124	5620				
128	5640				
132	5660				
136	5680				
140	**5700**				
149	**5745**				
153	5765				
157	**5785**				
161	5805				
165	**5825**				

Note: This report equipment will not transmit in the 5600-5650 MHz frequency band when used in Canada. This restriction is to protect weather radars operating in this frequency band.

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)

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)

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 (5150 - 5250 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			

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
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
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
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
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
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

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 2	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 Note 4
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	RSS-247, 6.2	ANNEX A.2	Pass Note 4
4	6 dB bandwidth	15.407(e)	RSS-247, 6.2	ANNEX A.3	Pass Note 4
5	Power Spectral Density	15.407(a)	RSS-247, 6.2	ANNEX A.4	Pass Note 4
6	Conducted Emission	15.207	RSS-GEN, 8.8	ANNEX A.5	Pass Note 4
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.

Note [4]: Compared with the EUT of test report 211001862SHA-002, the EUT of this report replacement antennas. Other hardware circuit and software are the same as EUT referred in test report 211001862SHA-002. Therefore, only the 1 test items, which include Radiated Spurious Emissions and Band Edge (Restricted-band) were tested in this report, other test datas please refer to report 200801864SHA-002, which was issued by Intertek Testing Services Shanghai on Jan. 05, 2022.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	45% to 55%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+22℃ to +25℃
Working Voltage of the EUT	NV (Normal Voltage)	3.3 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2022.01.04	2023.01.03
Spectrum Analyzer	KEYSIGHT	N9020A	MY50330200	2021.06.01	2022.05.31
Bluetooth Signaling Unit	ROHDE&SCHWARZ	CMW500	142028	2021.06.01	2022.05.31
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-30	103118	2021.08.09	2022.08.08
Vector Signal Generator	ROHDE&SCHWARZ	SMBV100A	260592	2022.02.09	2023.02.08
Signal Generator	ROHDE&SCHWARZ	SMB100A	177746	2021.08.24	2022.08.23
Switch Unit with OSP-B157	ROHDE&SCHWARZ	OSP120	101270	2021.06.01	2022.05.31
Power Sensor	KEYSIGHT	U2063XA	MY58000247	2021.09.13	2022.09.12
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2021.10.10	2022.10.09
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2021.06.08	2022.06.07
LISN	SCHWARZBECK	NSLK 8127	8127-687	2021.04.16	2024.04.15
Test Antenna-Loop(9 kHz-30 MHz)	SCHWARZBECK	FMZB 1519	1519-037	2021.08.20	2024.08.19
Test Antenna-Bi-Log(30 MHz-3 GHz)	SCHWARZBECK	VULB 9163	9163-624	2019.07.02	2022.07.01
Test Antenna-Horn(1-18 GHz)	SCHWARZBECK	BBHA 9120D	9120D-1917	2021.07.02	2023.07.01
Test Antenna-Horn (18-40 GHz)	A-INFO	LB-180400KF	J211060273	2022.02.19	2024.09.03
Anechoic Chamber	RAINFORD	9m*6m*6m	N/A	2021.08.15	2024.08.14
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60 *7.35m	N/A	2022.01.04	2023.01.03
Shielded Enclosure	ChangNing	CN-130701	130703	--	--
Anechoic Chamber	RAINFORD	9m*6m*6m	N/A	2021.09.04	2024.09.09
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60 *7.35m	N/A	2021.08.15	2024.08.14
Shielded Enclosure	ChangNing	CN-130701	130703	--	--

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	V19.8.28.435	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.

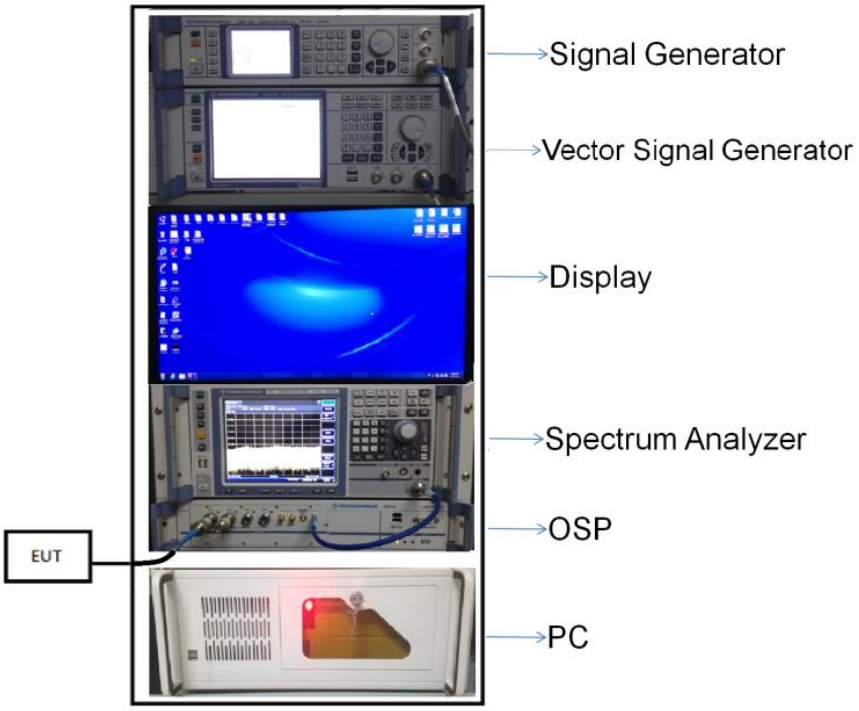
Parameters	Uncertainty
Occupied Channel Bandwidth	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.82°C
Humidity	4.1%

4.5 Description of Test Setup

4.5.1 For Antenna Port Test

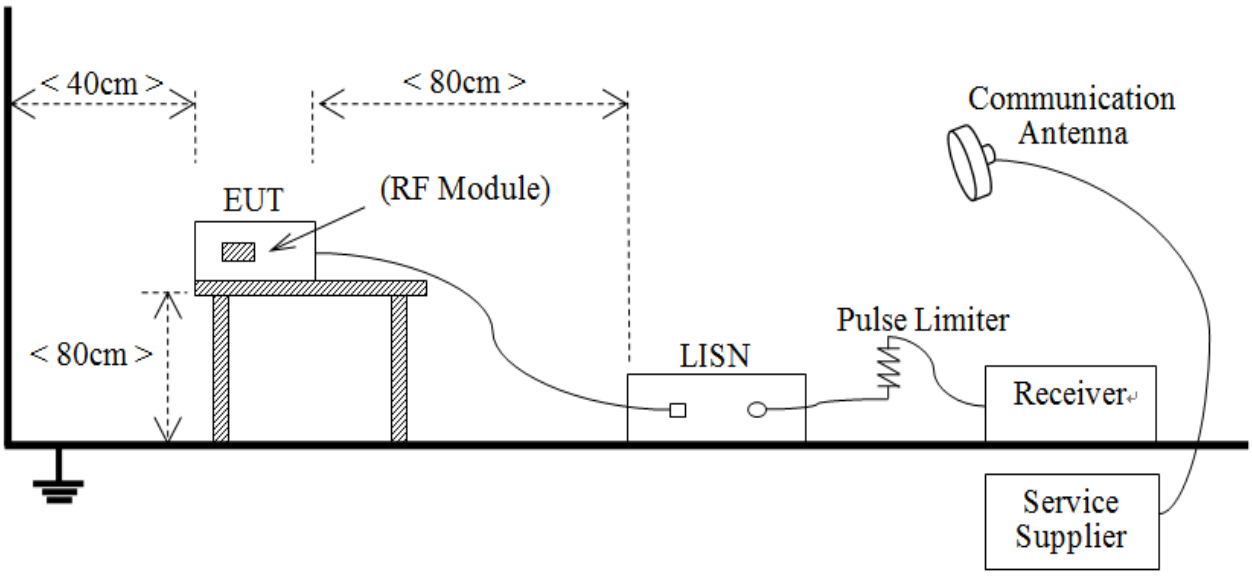
Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

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



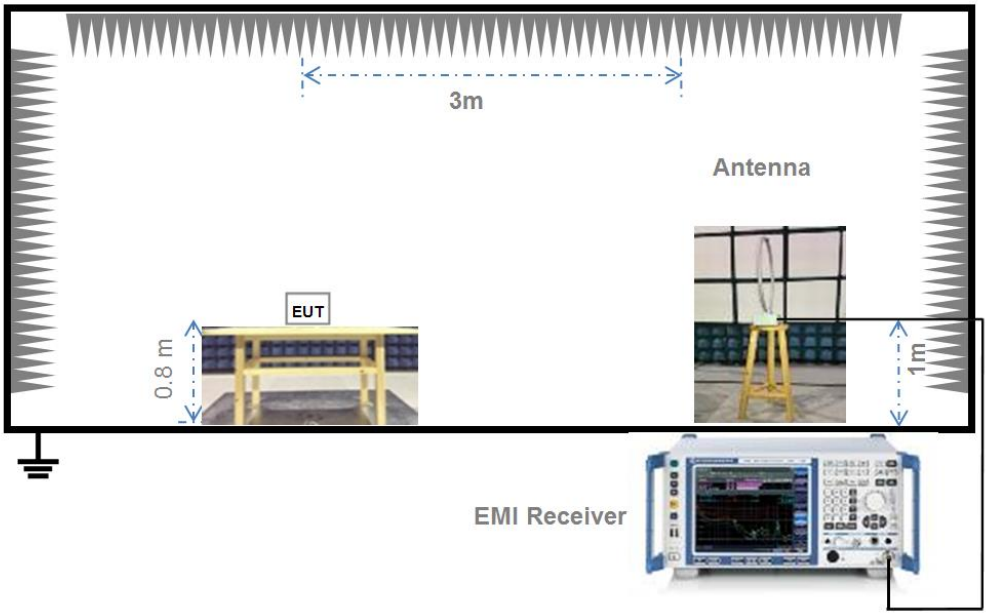
(Diagram 1)

4.5.2 For AC Power Supply Port Test



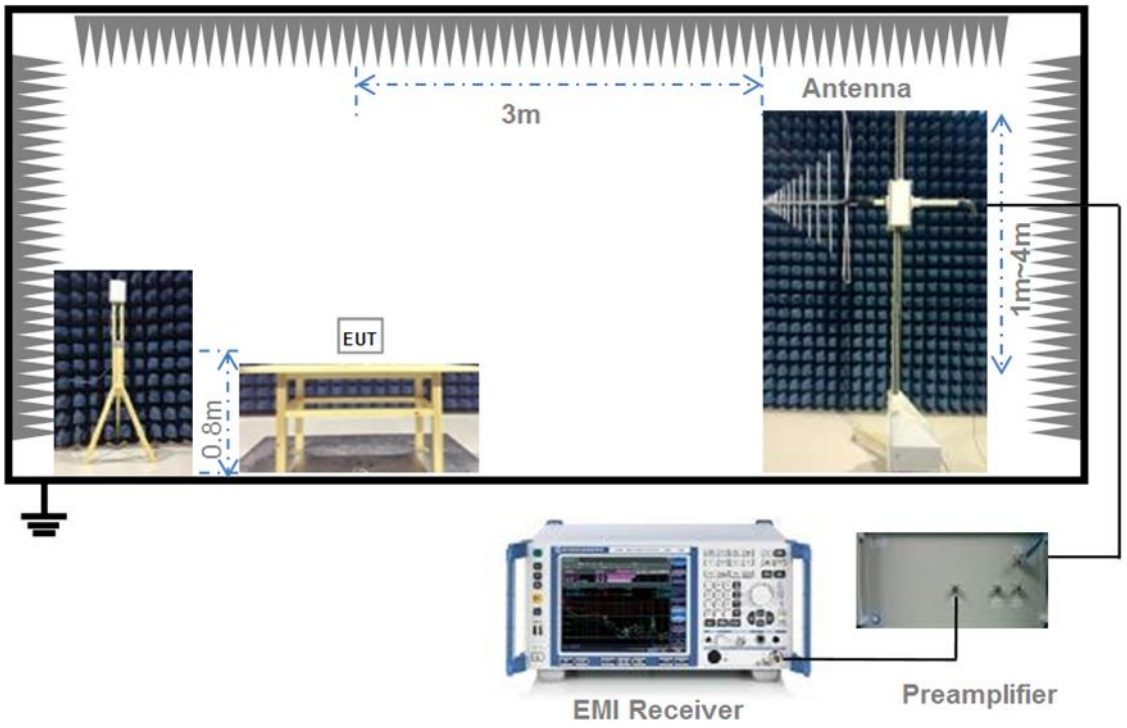
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



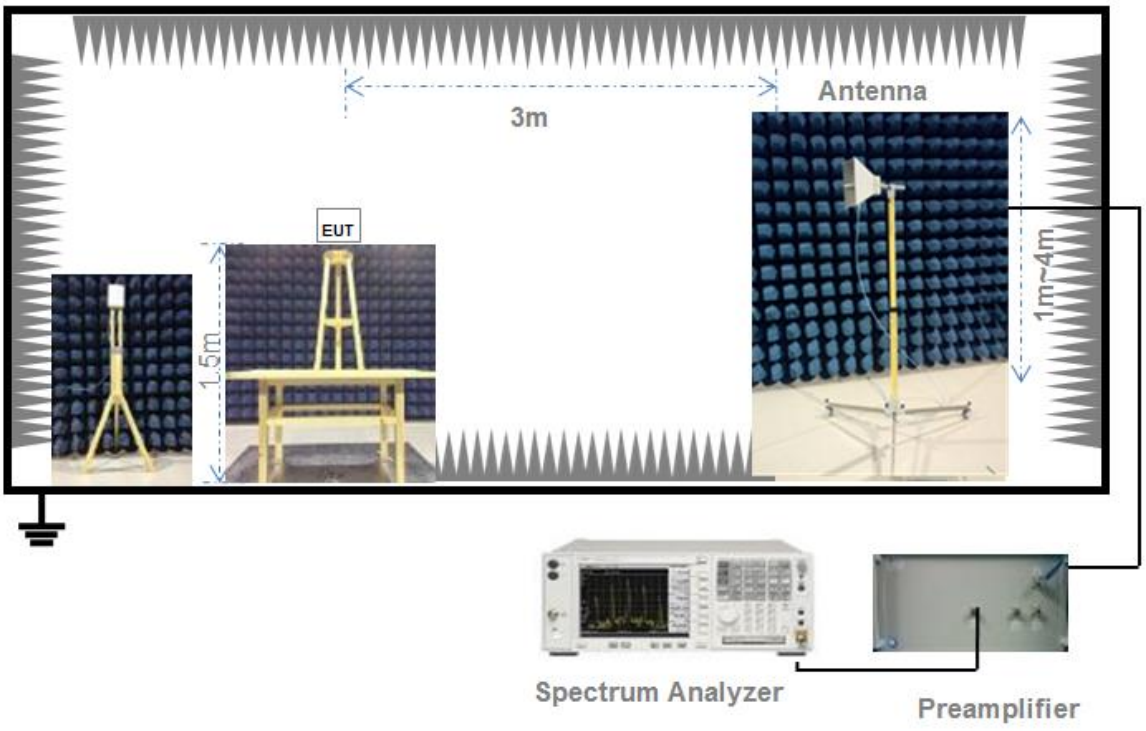
(Diagram 3)

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
Note: Where “B” is the 99% 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

The maximum peak conducted output power may be measured using a broadband Average RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the emission bandwidth and utilize a fast-responding diode detector.

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 ≥ 3*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 ≥ 3*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

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 ≥ 3*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 50μH/50Ω line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dBμV)	
	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.

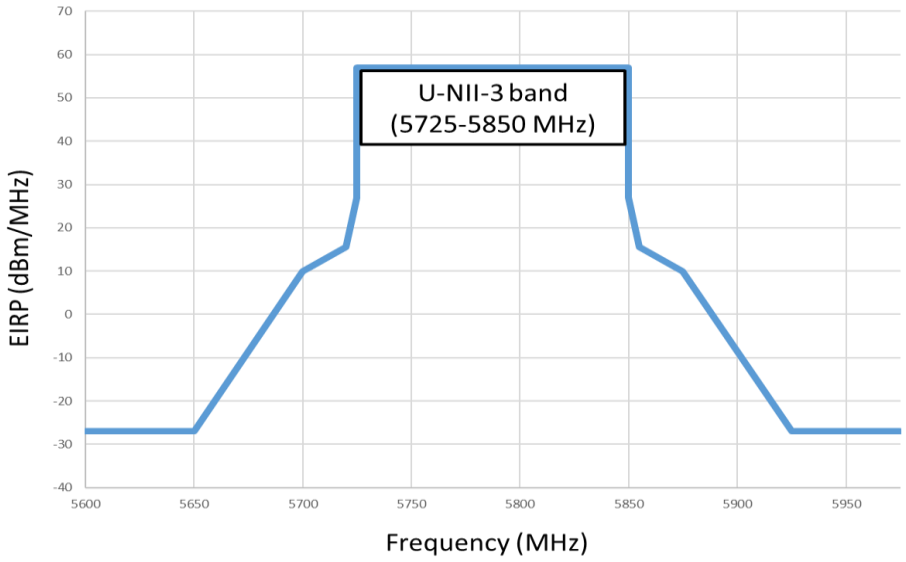
5.5 Radiated Spurious Emissions and Band Edge (Restricted-band)

5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

Frequency (MHz)	Field Strength (μV/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 maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see guidance on determining the applicable antenna gain)

c) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).

d) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).

e) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

$E = EIRP – 20\log D + 104.8$

where:

E = electric field strength in dBμV/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

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

g) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

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

Electrotechnical Commission.

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

Peak power measurement procedure

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

a) RBW = as specified in Table 1.

b) VBW ≥ 3 x 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 ≥ 3 x RBW.

e) Detector = RMS, if span/(# of points in sweep) ≤ (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 ≥ 1 GHz, 100 kHz for f < 1 GHz
VBW ≥ 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

The Output Power please refer to report 200801864SHA-002, which was issued by Intertek Testing Services Shanghai on Jan. 05, 2022, **section 5.4 Test Results of Maximum conducted output power.**

A.2 Emission Bandwidth & 99% Bandwidth

The Emission Bandwidth & 99% Bandwidth please refer to report 200801864SHA-002, which was issued by Intertek Testing Services Shanghai on Jan. 05, 2022, **section 3.4 The results of 26 dB Bandwidth & 99% Occupied Bandwidth.**

A.3 6 dB Bandwidth

The 6 dB Bandwidth please refer to report 200801864SHA-002, which was issued by Intertek Testing Services Shanghai on Jan. 05, 2022, **section 4.4 The results of Minimum 6dB Bandwidth.**

A.4 Power Spectral Density

The Power Spectral Density please refer to report 200801864SHA-002, which was issued by Intertek Testing Services Shanghai on Jan. 05, 2022, **section 6.4 Test Results of Power spectrum density.**

A.5 Conducted Emissions

The Conducted Emissions please refer to report 200801864SHA-002, which was issued by Intertek Testing Services Shanghai on Jan. 05, 2022, **section 8.5 Test Results of Power line conducted emission.**

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

Test Data

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

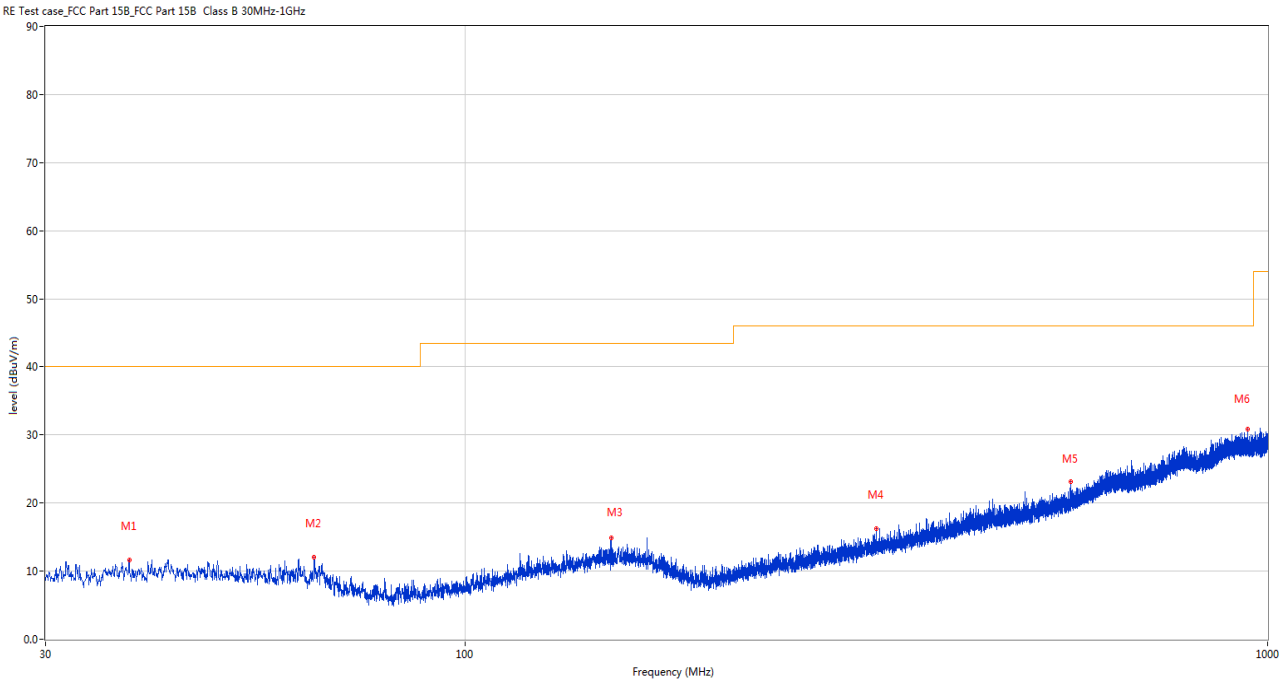
Note [2]: For the test data above 1 GHz， According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

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

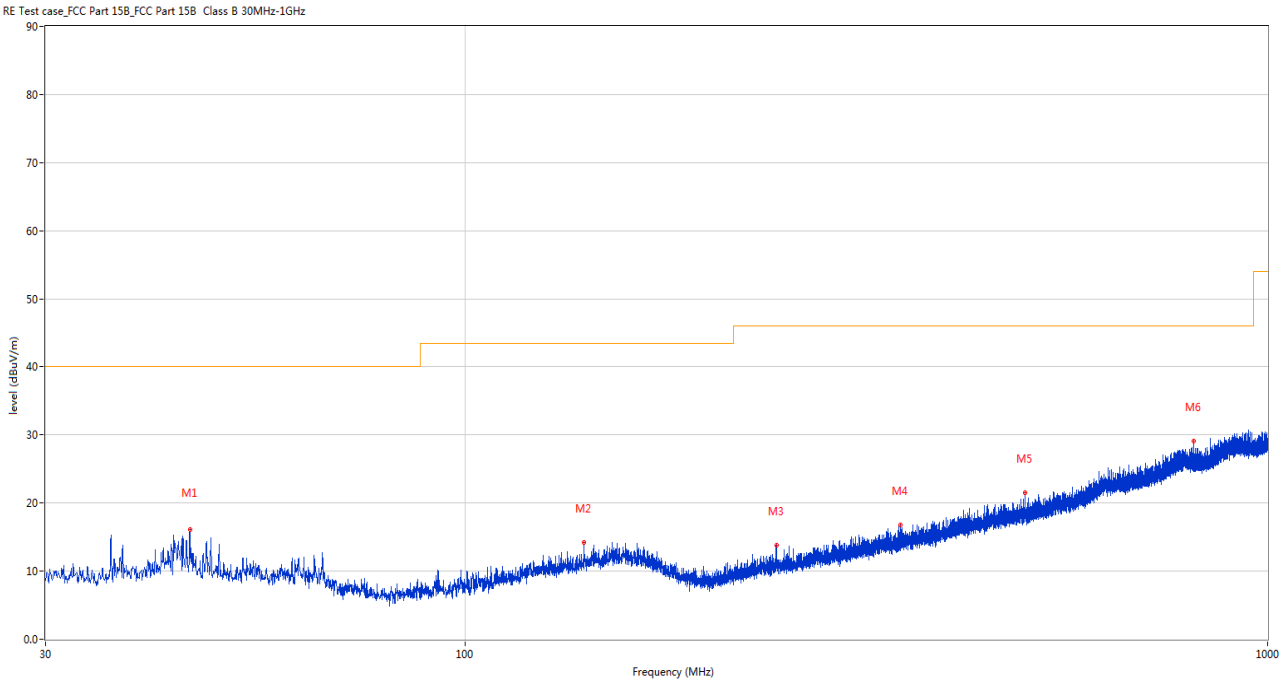
Note 5: For Multiple transmitter output, the quantity 10 log (NANT) dB is added to each spectrum value before comparing to the emission limit. When testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding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

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	38.148	11.68	-26.06	40.0	-28.32	Peak	360.00	100	Horizontal	Pass
2	64.823	11.75	-27.57	40.0	-28.25	Peak	73.00	200	Horizontal	Pass
3	151.929	14.85	-24.22	43.5	-28.65	Peak	135.00	100	Horizontal	Pass
4	325.705	16.31	-22.86	46.0	-29.69	Peak	96.00	100	Horizontal	Pass
5	568.593	23.17	-16.39	46.0	-22.83	Peak	202.00	200	Horizontal	Pass
6	945.341	30.87	-7.93	46.0	-15.13	Peak	198.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	45.374	16.13	-26.08	40.0	-23.87	Peak	200.00	100	Vertical	Pass
2	140.677	14.23	-24.95	43.5	-29.27	Peak	237.00	100	Vertical	Pass
3	244.176	13.76	-25.67	46.0	-32.24	Peak	149.00	100	Vertical	Pass
4	348.306	16.75	-22.43	46.0	-29.25	Peak	21.00	200	Vertical	Pass
5	498.316	21.45	-18.37	46.0	-24.55	Peak	360.00	100	Vertical	Pass
6	807.989	29.14	-10.37	46.0	-16.86	Peak	338.00	100	Vertical	Pass

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

Note 2: All models have been tested, and the report shows only the worst.

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.000	38.92	-17.17	74.0	-35.08	Peak	192.00	150	Horizontal	Pass
1**	1329.000	28.60	-17.17	54.0	-25.40	AV	192.00	150	Horizontal	Pass
2	4311.000	47.44	-4.29	74.0	-26.56	Peak	145.00	150	Horizontal	Pass
2**	4311.000	38.32	-4.29	54.0	-15.68	AV	145.00	150	Horizontal	Pass
3	5178.000	109.81	-2.38	--	--	Peak	272.00	150	Horizontal	N/A
3**	5178.000	102.81	-2.38	--	--	AV	272.00	150	Horizontal	N/A
4	7450.500	52.10	0.71	74.0	-21.90	Peak	221.00	150	Horizontal	Pass
4**	7450.500	44.12	0.71	54.0	-9.88	AV	221.00	150	Horizontal	Pass
5	11209.338	49.86	-4.08	74.0	-24.14	Peak	29.00	150	Horizontal	Pass
5**	11209.338	40.30	-4.08	54.0	-13.70	AV	29.00	150	Horizontal	Pass
6	15835.688	51.11	-0.75	74.0	-22.89	Peak	210.00	150	Horizontal	Pass
6**	15835.688	42.10	-0.75	54.0	-11.90	AV	210.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.900	41.56	-17.37	74.0	-32.44	Peak	315.00	150	Vertical	Pass
1**	1495.900	28.06	-17.37	54.0	-25.94	AV	315.00	150	Vertical	Pass
2	4156.000	46.86	-6.09	74.0	-27.14	Peak	54.00	150	Vertical	Pass
2**	4156.000	37.06	-6.09	54.0	-16.94	AV	54.00	150	Vertical	Pass
3	5179.250	107.59	-2.24	--	--	Peak	206.00	150	Vertical	N/A
3**	5179.250	100.82	-2.24	--	--	AV	206.00	150	Vertical	N/A
4	7445.000	53.08	0.42	74.0	-20.92	Peak	37.00	150	Vertical	Pass
4**	7445.000	43.14	0.42	54.0	-10.86	AV	37.00	150	Vertical	Pass
5	11177.037	49.48	-4.22	74.0	-24.52	Peak	267.00	150	Vertical	Pass
5**	11177.037	41.22	-4.22	54.0	-12.78	AV	267.00	150	Vertical	Pass
6	16049.362	51.80	-0.10	74.0	-22.20	Peak	32.00	150	Vertical	Pass
6**	16049.362	43.24	-0.10	54.0	-10.76	AV	32.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.400	39.61	-17.22	74.0	-34.39	Peak	234.00	150	Horizontal	Pass
1**	1327.400	28.37	-17.22	54.0	-25.63	AV	234.00	150	Horizontal	Pass
2	3999.500	46.04	-5.90	74.0	-27.96	Peak	331.00	150	Horizontal	Pass
2**	3999.500	36.65	-5.90	54.0	-17.35	AV	331.00	150	Horizontal	Pass
3	5221.250	109.25	-3.37	--	--	Peak	263.00	150	Horizontal	N/A
3**	5221.250	102.43	-3.37	--	--	AV	263.00	150	Horizontal	N/A
4	7513.250	52.32	0.65	74.0	-21.68	Peak	348.00	150	Horizontal	Pass
4**	7513.250	43.34	0.65	54.0	-10.66	AV	348.00	150	Horizontal	Pass
5	11309.799	49.09	-4.10	74.0	-24.91	Peak	309.00	150	Horizontal	Pass
5**	11309.799	40.13	-4.10	54.0	-13.87	AV	309.00	150	Horizontal	Pass
6	15963.263	51.32	-0.21	74.0	-22.68	Peak	296.00	150	Horizontal	Pass
6**	15963.263	41.33	-0.21	54.0	-12.67	AV	296.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.400	40.84	-17.23	74.0	-33.16	Peak	207.00	150	Vertical	Pass
1**	1329.400	30.17	-17.23	54.0	-23.83	AV	207.00	150	Vertical	Pass
2	4315.750	47.55	-4.58	74.0	-26.45	Peak	280.00	150	Vertical	Pass
2**	4315.750	38.49	-4.58	54.0	-15.51	AV	280.00	150	Vertical	Pass
3	5221.000	108.66	-3.38	--	--	Peak	197.00	150	Vertical	N/A
3**	5221.000	101.12	-3.38	--	--	AV	197.00	150	Vertical	N/A
4	7458.000	52.04	1.14	74.0	-21.96	Peak	96.00	150	Vertical	Pass
4**	7458.000	43.85	1.14	54.0	-10.15	AV	96.00	150	Vertical	Pass
5	11210.526	49.38	-4.09	74.0	-24.62	Peak	344.00	150	Vertical	Pass
5**	11210.526	39.78	-4.09	54.0	-14.22	AV	344.00	150	Vertical	Pass
6	15950.925	51.82	-0.23	74.0	-22.18	Peak	352.00	150	Vertical	Pass
6**	15950.925	42.16	-0.23	54.0	-11.84	AV	352.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1164.200	38.38	-18.13	74.0	-35.62	Peak	237.00	150	Horizontal	Pass
1**	1164.200	28.30	-18.13	54.0	-25.70	AV	237.00	150	Horizontal	Pass
2	4283.250	47.54	-4.84	74.0	-26.46	Peak	189.00	150	Horizontal	Pass
2**	4283.250	38.25	-4.84	54.0	-15.75	AV	189.00	150	Horizontal	Pass
3	5239.500	109.39	-3.22	--	--	Peak	272.00	150	Horizontal	N/A
3**	5239.500	102.19	-3.22	--	--	AV	272.00	150	Horizontal	N/A
4	7507.750	53.43	0.31	74.0	-20.57	Peak	54.00	150	Horizontal	Pass
4**	7507.750	43.98	0.31	54.0	-10.02	AV	54.00	150	Horizontal	Pass
5	12450.987	49.38	-2.16	74.0	-24.62	Peak	100.00	150	Horizontal	Pass
5**	12450.987	40.21	-2.16	54.0	-13.79	AV	100.00	150	Horizontal	Pass
6	16057.238	51.35	-0.23	74.0	-22.65	Peak	206.00	150	Horizontal	Pass
6**	16057.238	41.74	-0.23	54.0	-12.26	AV	206.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.100	40.22	-17.54	74.0	-33.78	Peak	293.00	150	Vertical	Pass
1**	1332.100	28.61	-17.54	54.0	-25.39	AV	293.00	150	Vertical	Pass
2	4296.750	48.20	-4.43	74.0	-25.80	Peak	360.00	150	Vertical	Pass
2**	4296.750	38.57	-4.43	54.0	-15.43	AV	360.00	150	Vertical	Pass
3	5238.500	108.21	-3.22	--	--	Peak	208.00	150	Vertical	N/A
3**	5238.500	100.08	-3.22	--	--	AV	208.00	150	Vertical	N/A
4	7527.750	52.65	0.81	74.0	-21.35	Peak	0.00	150	Vertical	Pass
4**	7527.750	43.33	0.81	54.0	-10.67	AV	0.00	150	Vertical	Pass
5	12443.625	49.74	-2.25	74.0	-24.26	Peak	55.00	150	Vertical	Pass
5**	12443.625	40.99	-2.25	54.0	-13.01	AV	55.00	150	Vertical	Pass
6	15820.724	51.26	-0.74	74.0	-22.74	Peak	0.00	150	Vertical	Pass
6**	15820.724	42.20	-0.74	54.0	-11.80	AV	0.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.800	39.02	-17.15	74.0	-34.98	Peak	23.00	150	Horizontal	Pass
1**	1328.800	27.78	-17.15	54.0	-26.22	AV	23.00	150	Horizontal	Pass
2	4186.750	46.89	-4.83	74.0	-27.11	Peak	299.00	150	Horizontal	Pass
2**	4186.750	37.62	-4.83	54.0	-16.38	AV	299.00	150	Horizontal	Pass
3	5181.250	109.40	-2.16	--	--	Peak	265.00	150	Horizontal	N/A
3**	5181.250	102.20	-2.16	--	--	AV	265.00	150	Horizontal	N/A
4	7460.500	52.58	1.14	74.0	-21.42	Peak	240.00	150	Horizontal	Pass
4**	7460.500	44.25	1.14	54.0	-9.75	AV	240.00	150	Horizontal	Pass
5	12441.250	49.56	-2.29	74.0	-24.44	Peak	358.00	150	Horizontal	Pass
5**	12441.250	40.87	-2.29	54.0	-13.13	AV	358.00	150	Horizontal	Pass
6	15958.537	51.44	-0.22	74.0	-22.56	Peak	140.00	150	Horizontal	Pass
6**	15958.537	42.56	-0.22	54.0	-11.44	AV	140.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.900	45.11	-17.30	74.0	-28.89	Peak	225.00	150	Vertical	Pass
1**	1329.900	35.12	-17.30	54.0	-18.88	AV	225.00	150	Vertical	Pass
2	4307.250	48.21	-4.16	74.0	-25.79	Peak	16.00	150	Vertical	Pass
2**	4307.250	39.44	-4.16	54.0	-14.56	AV	16.00	150	Vertical	Pass
3	5181.500	106.93	-2.15	--	--	Peak	201.00	150	Vertical	N/A
3**	5181.500	99.77	-2.15	--	--	AV	201.00	150	Vertical	N/A
4	7714.250	52.68	1.03	74.0	-21.32	Peak	33.00	150	Vertical	Pass
4**	7714.250	43.51	1.03	54.0	-10.49	AV	33.00	150	Vertical	Pass
5	11798.575	49.43	-3.55	74.0	-24.57	Peak	358.00	150	Vertical	Pass
5**	11798.575	39.57	-3.55	54.0	-14.43	AV	358.00	150	Vertical	Pass
6	15687.900	51.69	-0.24	74.0	-22.31	Peak	80.00	150	Vertical	Pass
6**	15687.900	40.91	-0.24	54.0	-13.09	AV	80.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.700	38.89	-17.57	74.0	-35.11	Peak	28.00	150	Horizontal	Pass
1**	1332.700	27.45	-17.57	54.0	-26.55	AV	28.00	150	Horizontal	Pass
2	4280.000	47.70	-4.67	74.0	-26.30	Peak	306.00	150	Horizontal	Pass
2**	4280.000	38.87	-4.67	54.0	-15.13	AV	306.00	150	Horizontal	Pass
3	5221.000	107.79	-3.38	--	--	Peak	255.00	150	Horizontal	N/A
3**	5221.000	100.40	-3.38	--	--	AV	255.00	150	Horizontal	N/A
4	7466.500	52.84	0.86	74.0	-21.16	Peak	348.00	150	Horizontal	Pass
4**	7466.500	44.28	0.86	54.0	-9.72	AV	348.00	150	Horizontal	Pass
5	11697.637	49.73	-4.21	74.0	-24.27	Peak	253.00	150	Horizontal	Pass
5**	11697.637	39.68	-4.21	54.0	-14.32	AV	253.00	150	Horizontal	Pass
6	15711.787	51.34	-0.14	74.0	-22.66	Peak	268.00	150	Horizontal	Pass
6**	15711.787	41.14	-0.14	54.0	-12.86	AV	268.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.600	41.92	-17.12	74.0	-32.08	Peak	213.00	150	Vertical	Pass
1**	1328.600	32.01	-17.12	54.0	-21.99	AV	213.00	150	Vertical	Pass
2	4313.500	47.79	-4.34	74.0	-26.21	Peak	147.00	150	Vertical	Pass
2**	4313.500	38.73	-4.34	54.0	-15.27	AV	147.00	150	Vertical	Pass
3	5222.500	107.72	-3.45	--	--	Peak	204.00	150	Vertical	N/A
3**	5222.500	99.48	-3.45	--	--	AV	204.00	150	Vertical	N/A
4	7455.250	52.59	1.16	74.0	-21.41	Peak	360.00	150	Vertical	Pass
4**	7455.250	44.05	1.16	54.0	-9.95	AV	360.00	150	Vertical	Pass
5	11205.063	48.98	-4.07	74.0	-25.02	Peak	216.00	150	Vertical	Pass
5**	11205.063	39.81	-4.07	54.0	-14.19	AV	216.00	150	Vertical	Pass
6	15772.687	51.13	-0.84	74.0	-22.87	Peak	24.00	150	Vertical	Pass
6**	15772.687	40.88	-0.84	54.0	-13.12	AV	24.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.900	39.71	-17.14	74.0	-34.29	Peak	193.00	150	Horizontal	Pass
1**	1327.900	28.25	-17.14	54.0	-25.75	AV	193.00	150	Horizontal	Pass
2	4310.000	47.53	-4.31	74.0	-26.47	Peak	128.00	150	Horizontal	Pass
2**	4310.000	38.47	-4.31	54.0	-15.53	AV	128.00	150	Horizontal	Pass
3	5239.250	107.95	-3.22	--	--	Peak	265.00	150	Horizontal	N/A
3**	5239.250	101.57	-3.22	--	--	AV	265.00	150	Horizontal	N/A
4	7509.250	53.17	0.50	74.0	-20.83	Peak	0.00	150	Horizontal	Pass
4**	7509.250	43.45	0.50	54.0	-10.55	AV	0.00	150	Horizontal	Pass
5	11791.925	49.04	-3.61	74.0	-24.96	Peak	127.00	150	Horizontal	Pass
5**	11791.925	40.09	-3.61	54.0	-13.91	AV	127.00	150	Horizontal	Pass
6	15953.287	51.25	-0.23	74.0	-22.75	Peak	134.00	150	Horizontal	Pass
6**	15953.287	41.88	-0.23	54.0	-12.12	AV	134.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.700	41.62	-17.27	74.0	-32.38	Peak	316.00	150	Vertical	Pass
1**	1329.700	30.59	-17.27	54.0	-23.41	AV	316.00	150	Vertical	Pass
2	4299.000	47.85	-4.74	74.0	-26.15	Peak	360.00	150	Vertical	Pass
2**	4299.000	38.02	-4.74	54.0	-15.98	AV	360.00	150	Vertical	Pass
3	5236.500	107.73	-3.30	--	--	Peak	202.00	150	Vertical	N/A
3**	5236.500	99.55	-3.30	--	--	AV	202.00	150	Vertical	N/A
4	7454.750	52.65	1.18	74.0	-21.35	Peak	255.00	150	Vertical	Pass
4**	7454.750	43.43	1.18	54.0	-10.57	AV	255.00	150	Vertical	Pass
5	12613.913	49.96	-2.53	74.0	-24.04	Peak	147.00	150	Vertical	Pass
5**	12613.913	40.44	-2.53	54.0	-13.56	AV	147.00	150	Vertical	Pass
6	15956.175	51.55	-0.22	74.0	-22.45	Peak	196.00	150	Vertical	Pass
6**	15956.175	42.53	-0.22	54.0	-11.47	AV	196.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.700	38.08	-17.48	74.0	-35.92	Peak	28.00	150	Horizontal	Pass
1**	1333.700	27.41	-17.48	54.0	-26.59	AV	28.00	150	Horizontal	Pass
2	4265.500	47.16	-4.77	74.0	-26.84	Peak	360.00	150	Horizontal	Pass
2**	4265.500	36.65	-4.77	54.0	-17.35	AV	360.00	150	Horizontal	Pass
3	5188.250	105.30	-2.55	--	--	Peak	265.00	150	Horizontal	N/A
3**	5188.250	97.15	-2.55	--	--	AV	265.00	150	Horizontal	N/A
4	7529.750	52.58	0.73	74.0	-21.42	Peak	348.00	150	Horizontal	Pass
4**	7529.750	42.74	0.73	54.0	-11.26	AV	348.00	150	Horizontal	Pass
5	12451.937	49.02	-2.16	74.0	-24.98	Peak	167.00	150	Horizontal	Pass
5**	12451.937	39.82	-2.16	54.0	-14.18	AV	167.00	150	Horizontal	Pass
6	16022.587	50.90	-0.13	74.0	-23.10	Peak	70.00	150	Horizontal	Pass
6**	16022.587	42.45	-0.13	54.0	-11.55	AV	70.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.700	40.00	-17.57	74.0	-34.00	Peak	10.00	150	Vertical	Pass
1**	1332.700	29.03	-17.57	54.0	-24.97	AV	10.00	150	Vertical	Pass
2	4309.750	47.74	-4.31	74.0	-26.26	Peak	47.00	150	Vertical	Pass
2**	4309.750	38.24	-4.31	54.0	-15.76	AV	47.00	150	Vertical	Pass
3	5188.000	103.25	-2.53	--	--	Peak	196.00	150	Vertical	N/A
3**	5188.000	95.70	-2.53	--	--	AV	196.00	150	Vertical	N/A
4	7509.750	52.61	0.56	74.0	-21.39	Peak	306.00	150	Vertical	Pass
4**	7509.750	43.79	0.56	54.0	-10.21	AV	306.00	150	Vertical	Pass
5	11455.388	49.04	-3.92	74.0	-24.96	Peak	171.00	150	Vertical	Pass
5**	11455.388	39.33	-3.92	54.0	-14.67	AV	171.00	150	Vertical	Pass
6	16028.888	52.14	-0.12	74.0	-21.86	Peak	112.00	150	Vertical	Pass
6**	16028.888	41.57	-0.12	54.0	-12.43	AV	112.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.600	41.18	-17.26	74.0	-32.82	Peak	163.00	150	Horizontal	Pass
1**	1329.600	29.56	-17.26	54.0	-24.44	AV	163.00	150	Horizontal	Pass
2	4255.000	47.12	-4.83	74.0	-26.88	Peak	155.00	150	Horizontal	Pass
2**	4255.000	38.18	-4.83	54.0	-15.82	AV	155.00	150	Horizontal	Pass
3	5232.500	106.26	-3.33	--	--	Peak	265.00	150	Horizontal	N/A
3**	5232.500	98.61	-3.33	--	--	AV	265.00	150	Horizontal	N/A
4	7466.000	52.23	0.83	74.0	-21.77	Peak	240.00	150	Horizontal	Pass
4**	7466.000	42.87	0.83	54.0	-11.13	AV	240.00	150	Horizontal	Pass
5	11786.463	49.46	-3.65	74.0	-24.54	Peak	203.00	150	Horizontal	Pass
5**	11786.463	41.21	-3.65	54.0	-12.79	AV	203.00	150	Horizontal	Pass
6	15957.488	52.16	-0.22	74.0	-21.84	Peak	338.00	150	Horizontal	Pass
6**	15957.488	41.89	-0.22	54.0	-12.11	AV	338.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.700	40.69	-17.57	74.0	-33.31	Peak	277.00	150	Vertical	Pass
1**	1332.700	28.63	-17.57	54.0	-25.37	AV	277.00	150	Vertical	Pass
2	4324.250	47.23	-4.93	74.0	-26.77	Peak	8.00	150	Vertical	Pass
2**	4324.250	37.96	-4.93	54.0	-16.04	AV	8.00	150	Vertical	Pass
3	5223.000	104.69	-3.48	--	--	Peak	206.00	150	Vertical	N/A
3**	5223.000	96.36	-3.48	--	--	AV	206.00	150	Vertical	N/A
4	7453.500	52.01	1.06	74.0	-21.99	Peak	48.00	150	Vertical	Pass
4**	7453.500	44.11	1.06	54.0	-9.89	AV	48.00	150	Vertical	Pass
5	11794.300	49.50	-3.59	74.0	-24.50	Peak	192.00	150	Vertical	Pass
5**	11794.300	39.91	-3.59	54.0	-14.09	AV	192.00	150	Vertical	Pass
6	15715.724	50.78	-0.23	74.0	-23.22	Peak	352.00	150	Vertical	Pass
6**	15715.724	42.25	-0.23	54.0	-11.75	AV	352.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.500	39.09	-17.57	74.0	-34.91	Peak	158.00	150	Horizontal	Pass
1**	1332.500	28.17	-17.57	54.0	-25.83	AV	158.00	150	Horizontal	Pass
2	4280.500	47.21	-4.75	74.0	-26.79	Peak	138.00	150	Horizontal	Pass
2**	4280.500	37.85	-4.75	54.0	-16.15	AV	138.00	150	Horizontal	Pass
3	5259.000	107.96	-3.71	--	--	Peak	70.00	150	Horizontal	N/A
3**	5259.000	101.56	-3.71	--	--	AV	70.00	150	Horizontal	N/A
4	7515.250	53.39	0.86	74.0	-20.61	Peak	13.00	150	Horizontal	Pass
4**	7515.250	43.46	0.86	54.0	-10.54	AV	13.00	150	Horizontal	Pass
5	11181.787	49.28	-4.18	74.0	-24.72	Peak	19.00	150	Horizontal	Pass
5**	11181.787	40.04	-4.18	54.0	-13.96	AV	19.00	150	Horizontal	Pass
6	15791.588	51.33	-0.75	74.0	-22.67	Peak	127.00	150	Horizontal	Pass
6**	15791.588	41.64	-0.75	54.0	-12.36	AV	127.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.300	44.14	-17.22	74.0	-29.86	Peak	212.00	150	Vertical	Pass
1**	1329.300	28.77	-17.22	54.0	-25.23	AV	212.00	150	Vertical	Pass
2	4322.750	47.54	-4.83	74.0	-26.46	Peak	199.00	150	Vertical	Pass
2**	4322.750	38.35	-4.83	54.0	-15.65	AV	199.00	150	Vertical	Pass
3	5261.250	108.51	-3.79	--	--	Peak	199.00	150	Vertical	N/A
3**	5261.250	100.92	-3.79	--	--	AV	199.00	150	Vertical	N/A
4	7474.750	52.14	0.65	74.0	-21.86	Peak	260.00	150	Vertical	Pass
4**	7474.750	43.38	0.65	54.0	-10.62	AV	260.00	150	Vertical	Pass
5	12443.150	49.67	-2.26	74.0	-24.33	Peak	346.00	150	Vertical	Pass
5**	12443.150	40.27	-2.26	54.0	-13.73	AV	346.00	150	Vertical	Pass
6	15552.975	50.97	-0.56	74.0	-23.03	Peak	110.00	150	Vertical	Pass
6**	15552.975	41.81	-0.56	54.0	-12.19	AV	110.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.700	39.63	-17.27	74.0	-34.37	Peak	230.00	150	Horizontal	Pass
1**	1329.700	28.10	-17.27	54.0	-25.90	AV	230.00	150	Horizontal	Pass
2	4289.000	47.61	-4.53	74.0	-26.39	Peak	165.00	150	Horizontal	Pass
2**	4289.000	37.81	-4.53	54.0	-16.19	AV	165.00	150	Horizontal	Pass
3	5294.000	107.22	-3.31	--	--	Peak	265.00	150	Horizontal	N/A
3**	5294.000	98.69	-3.31	--	--	AV	265.00	150	Horizontal	N/A
4	7542.250	52.06	0.59	74.0	-21.94	Peak	132.00	150	Horizontal	Pass
4**	7542.250	43.13	0.59	54.0	-10.87	AV	132.00	150	Horizontal	Pass
5	12430.800	49.58	-2.44	74.0	-24.42	Peak	170.00	150	Horizontal	Pass
5**	12430.800	39.92	-2.44	54.0	-14.08	AV	170.00	150	Horizontal	Pass
6	15522.263	51.47	-0.70	74.0	-22.53	Peak	140.00	150	Horizontal	Pass
6**	15522.263	41.01	-0.70	54.0	-12.99	AV	140.00	150	Horizontal	Pass

11a, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.800	40.33	-17.29	74.0	-33.67	Peak	1.00	150	Vertical	Pass
1**	1329.800	30.33	-17.29	54.0	-23.67	AV	1.00	150	Vertical	Pass
2	4837.750	49.25	-3.44	74.0	-24.75	Peak	360.00	150	Vertical	Pass
2**	4837.750	39.79	-3.44	54.0	-14.21	AV	360.00	150	Vertical	Pass
3	5300.750	107.75	-3.66	--	--	Peak	197.00	150	Vertical	N/A
3**	5300.750	100.21	-3.66	--	--	AV	197.00	150	Vertical	N/A
4	7512.250	52.75	0.52	74.0	-21.25	Peak	47.00	150	Vertical	Pass
4**	7512.250	43.38	0.52	54.0	-10.62	AV	47.00	150	Vertical	Pass
5	12449.563	49.49	-2.16	74.0	-24.51	Peak	360.00	150	Vertical	Pass
5**	12449.563	40.10	-2.16	54.0	-13.90	AV	360.00	150	Vertical	Pass
6	15948.037	51.74	-0.27	74.0	-22.26	Peak	291.00	150	Vertical	Pass
6**	15948.037	42.91	-0.27	54.0	-11.09	AV	291.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.700	38.84	-17.17	74.0	-35.16	Peak	26.00	150	Horizontal	Pass
1**	1327.700	30.71	-17.17	54.0	-23.29	AV	26.00	150	Horizontal	Pass
2	4312.750	47.54	-4.31	74.0	-26.46	Peak	287.00	150	Horizontal	Pass
2**	4312.750	38.96	-4.31	54.0	-15.04	AV	287.00	150	Horizontal	Pass
3	5318.000	107.81	-3.44	--	--	Peak	253.00	150	Horizontal	N/A
3**	5318.000	100.22	-3.44	--	--	AV	253.00	150	Horizontal	N/A
4	7445.750	52.40	0.42	74.0	-21.60	Peak	35.00	150	Horizontal	Pass
4**	7445.750	43.22	0.42	54.0	-10.78	AV	35.00	150	Horizontal	Pass
5	12052.938	50.09	-3.35	74.0	-23.91	Peak	76.00	150	Horizontal	Pass
5**	12052.938	40.36	-3.35	54.0	-13.64	AV	76.00	150	Horizontal	Pass
6	15984.000	51.70	-0.18	74.0	-22.30	Peak	83.00	150	Horizontal	Pass
6**	15984.000	40.94	-0.18	54.0	-13.06	AV	83.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.300	41.59	-17.36	74.0	-32.41	Peak	33.00	150	Vertical	Pass
1**	1330.300	28.02	-17.36	54.0	-25.98	AV	33.00	150	Vertical	Pass
2	4185.250	47.23	-4.82	74.0	-26.77	Peak	314.00	150	Vertical	Pass
2**	4185.250	37.82	-4.82	54.0	-16.18	AV	314.00	150	Vertical	Pass
3	5321.250	107.73	-3.38	--	--	Peak	198.00	150	Vertical	N/A
3**	5321.250	101.00	-3.38	--	--	AV	198.00	150	Vertical	N/A
4	7510.750	53.12	0.52	74.0	-20.88	Peak	206.00	150	Vertical	Pass
4**	7510.750	43.10	0.52	54.0	-10.90	AV	206.00	150	Vertical	Pass
5	12405.387	49.69	-2.83	74.0	-24.31	Peak	0.00	150	Vertical	Pass
5**	12405.387	40.24	-2.83	54.0	-13.76	AV	0.00	150	Vertical	Pass
6	16038.338	51.23	-0.11	74.0	-22.77	Peak	108.00	150	Vertical	Pass
6**	16038.338	42.40	-0.11	54.0	-11.60	AV	108.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.600	39.33	-17.12	74.0	-34.67	Peak	191.00	150	Horizontal	Pass
1**	1328.600	32.95	-17.12	54.0	-21.05	AV	191.00	150	Horizontal	Pass
2	4247.250	46.92	-5.21	74.0	-27.08	Peak	101.00	150	Horizontal	Pass
2**	4247.250	38.40	-5.21	54.0	-15.60	AV	101.00	150	Horizontal	Pass
3	5259.250	107.84	-3.65	--	--	Peak	69.00	150	Horizontal	N/A
3**	5259.250	100.69	-3.65	--	--	AV	69.00	150	Horizontal	N/A
4	7455.250	52.22	1.16	74.0	-21.78	Peak	360.00	150	Horizontal	Pass
4**	7455.250	43.69	1.16	54.0	-10.31	AV	360.00	150	Horizontal	Pass
5	12174.300	49.56	-3.07	74.0	-24.44	Peak	7.00	150	Horizontal	Pass
5**	12174.300	39.78	-3.07	54.0	-14.22	AV	7.00	150	Horizontal	Pass
6	16030.463	51.54	-0.12	74.0	-22.46	Peak	212.00	150	Horizontal	Pass
6**	16030.463	42.52	-0.12	54.0	-11.48	AV	212.00	150	Horizontal	Pass

11n20, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.000	44.53	-17.43	74.0	-29.47	Peak	231.00	150	Vertical	Pass
1**	1331.000	34.18	-17.43	54.0	-19.82	AV	231.00	150	Vertical	Pass
2	4307.250	47.54	-4.16	74.0	-26.46	Peak	331.00	150	Vertical	Pass
2**	4307.250	39.24	-4.16	54.0	-14.76	AV	331.00	150	Vertical	Pass
3	5258.500	107.65	-3.84	--	--	Peak	199.00	150	Vertical	N/A
3**	5258.500	99.79	-3.84	--	--	AV	199.00	150	Vertical	N/A
4	7463.250	52.49	1.04	74.0	-21.51	Peak	289.00	150	Vertical	Pass
4**	7463.250	43.66	1.04	54.0	-10.34	AV	289.00	150	Vertical	Pass
5	11181.550	49.89	-4.18	74.0	-24.11	Peak	360.00	150	Vertical	Pass
5**	11181.550	39.66	-4.18	54.0	-14.34	AV	360.00	150	Vertical	Pass
6	15562.162	51.12	-0.70	74.0	-22.88	Peak	211.00	150	Vertical	Pass
6**	15562.162	41.34	-0.70	54.0	-12.66	AV	211.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.000	40.45	-17.43	74.0	-33.55	Peak	228.00	150	Horizontal	Pass
1**	1331.000	29.82	-17.43	54.0	-24.18	AV	228.00	150	Horizontal	Pass
2	4311.000	47.64	-4.29	74.0	-26.36	Peak	54.00	150	Horizontal	Pass
2**	4311.000	38.80	-4.29	54.0	-15.20	AV	54.00	150	Horizontal	Pass
3	5301.500	107.11	-3.66	--	--	Peak	272.00	150	Horizontal	N/A
3**	5301.500	99.43	-3.66	--	--	AV	272.00	150	Horizontal	N/A
4	7458.250	52.14	1.14	74.0	-21.86	Peak	94.00	150	Horizontal	Pass
4**	7458.250	43.30	1.14	54.0	-10.70	AV	94.00	150	Horizontal	Pass
5	11205.537	49.05	-4.07	74.0	-24.95	Peak	0.00	150	Horizontal	Pass
5**	11205.537	39.72	-4.07	54.0	-14.28	AV	0.00	150	Horizontal	Pass
6	15937.800	51.23	-0.47	74.0	-22.77	Peak	68.00	150	Horizontal	Pass
6**	15937.800	41.43	-0.47	54.0	-12.57	AV	68.00	150	Horizontal	Pass

11n20, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.200	44.87	-17.20	74.0	-29.13	Peak	216.00	150	Vertical	Pass
1**	1329.200	38.83	-17.20	54.0	-15.17	AV	216.00	150	Vertical	Pass
2	4310.250	47.50	-4.30	74.0	-26.50	Peak	120.00	150	Vertical	Pass
2**	4310.250	38.09	-4.30	54.0	-15.91	AV	120.00	150	Vertical	Pass
3	5301.750	106.47	-3.65	--	--	Peak	212.00	150	Vertical	N/A
3**	5301.750	99.12	-3.65	--	--	AV	212.00	150	Vertical	N/A
4	7511.750	51.86	0.48	74.0	-22.14	Peak	145.00	150	Vertical	Pass
4**	7511.750	44.34	0.48	54.0	-9.66	AV	145.00	150	Vertical	Pass
5	11204.112	49.40	-4.06	74.0	-24.60	Peak	224.00	150	Vertical	Pass
5**	11204.112	39.96	-4.06	54.0	-14.04	AV	224.00	150	Vertical	Pass
6	16043.588	51.51	-0.11	74.0	-22.49	Peak	334.00	150	Vertical	Pass
6**	16043.588	42.45	-0.11	54.0	-11.55	AV	334.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.100	38.89	-17.54	74.0	-35.11	Peak	230.00	150	Horizontal	Pass
1**	1332.100	27.52	-17.54	54.0	-26.48	AV	230.00	150	Horizontal	Pass
2	4325.750	47.55	-4.97	74.0	-26.45	Peak	246.00	150	Horizontal	Pass
2**	4325.750	38.00	-4.97	54.0	-16.00	AV	246.00	150	Horizontal	Pass
3	5321.500	107.31	-3.37	--	--	Peak	279.00	150	Horizontal	N/A
3**	5321.500	101.01	-3.37	--	--	AV	279.00	150	Horizontal	N/A
4	7461.500	52.31	1.12	74.0	-21.69	Peak	221.00	150	Horizontal	Pass
4**	7461.500	43.89	1.12	54.0	-10.11	AV	221.00	150	Horizontal	Pass
5	11221.687	49.83	-4.13	74.0	-24.17	Peak	329.00	150	Horizontal	Pass
5**	11221.687	39.51	-4.13	54.0	-14.49	AV	329.00	150	Horizontal	Pass
6	16047.787	51.34	-0.10	74.0	-22.66	Peak	163.00	150	Horizontal	Pass
6**	16047.787	42.32	-0.10	54.0	-11.68	AV	163.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.500	44.37	-17.57	74.0	-29.63	Peak	215.00	150	Vertical	Pass
1**	1332.500	30.54	-17.57	54.0	-23.46	AV	215.00	150	Vertical	Pass
2	4326.500	47.35	-4.98	74.0	-26.65	Peak	12.00	150	Vertical	Pass
2**	4326.500	38.53	-4.98	54.0	-15.47	AV	12.00	150	Vertical	Pass
3	5318.750	107.09	-3.54	--	--	Peak	206.00	150	Vertical	N/A
3**	5318.750	100.14	-3.54	--	--	AV	206.00	150	Vertical	N/A
4	7463.500	53.03	1.01	74.0	-20.97	Peak	197.00	150	Vertical	Pass
4**	7463.500	43.39	1.01	54.0	-10.61	AV	197.00	150	Vertical	Pass
5	12197.812	49.58	-2.99	74.0	-24.42	Peak	294.00	150	Vertical	Pass
5**	12197.812	39.29	-2.99	54.0	-14.71	AV	294.00	150	Vertical	Pass
6	15704.175	51.50	0.02	74.0	-22.50	Peak	191.00	150	Vertical	Pass
6**	15704.175	42.37	0.02	54.0	-11.63	AV	191.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1492.900	38.10	-17.45	74.0	-35.90	Peak	215.00	150	Horizontal	Pass
1**	1492.900	27.88	-17.45	54.0	-26.12	AV	215.00	150	Horizontal	Pass
2	4304.750	47.82	-4.23	74.0	-26.18	Peak	311.00	150	Horizontal	Pass
2**	4304.750	37.98	-4.23	54.0	-16.02	AV	311.00	150	Horizontal	Pass
3	5261.500	104.65	-3.81	--	--	Peak	269.00	150	Horizontal	N/A
3**	5261.500	96.05	-3.81	--	--	AV	269.00	150	Horizontal	N/A
4	7460.000	52.48	1.14	74.0	-21.52	Peak	153.00	150	Horizontal	Pass
4**	7460.000	44.13	1.14	54.0	-9.87	AV	153.00	150	Horizontal	Pass
5	12281.650	49.12	-2.61	74.0	-24.88	Peak	0.00	150	Horizontal	Pass
5**	12281.650	39.48	-2.61	54.0	-14.52	AV	0.00	150	Horizontal	Pass
6	15730.950	51.32	-0.55	74.0	-22.68	Peak	148.00	150	Horizontal	Pass
6**	15730.950	41.88	-0.55	54.0	-12.12	AV	148.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.100	40.59	-17.54	74.0	-33.41	Peak	205.00	150	Vertical	Pass
1**	1332.100	29.21	-17.54	54.0	-24.79	AV	205.00	150	Vertical	Pass
2	4305.000	47.06	-4.22	74.0	-26.94	Peak	0.00	150	Vertical	Pass
2**	4305.000	38.91	-4.22	54.0	-15.09	AV	0.00	150	Vertical	Pass
3	5273.000	105.30	-3.17	--	--	Peak	208.00	150	Vertical	N/A
3**	5273.000	97.90	-3.17	--	--	AV	208.00	150	Vertical	N/A
4	7464.250	52.51	0.90	74.0	-21.49	Peak	356.00	150	Vertical	Pass
4**	7464.250	43.20	0.90	54.0	-10.80	AV	356.00	150	Vertical	Pass
5	11553.475	49.16	-4.36	74.0	-24.84	Peak	90.00	150	Vertical	Pass
5**	11553.475	39.39	-4.36	54.0	-14.61	AV	90.00	150	Vertical	Pass
6	16066.688	51.65	-0.39	74.0	-22.35	Peak	309.00	150	Vertical	Pass
6**	16066.688	41.91	-0.39	54.0	-12.09	AV	309.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1339.100	38.22	-17.42	74.0	-35.78	Peak	144.00	150	Horizontal	Pass
1**	1339.100	27.53	-17.42	54.0	-26.47	AV	144.00	150	Horizontal	Pass
2	4194.750	47.01	-5.19	74.0	-26.99	Peak	360.00	150	Horizontal	Pass
2**	4194.750	37.82	-5.19	54.0	-16.18	AV	360.00	150	Horizontal	Pass
3	5307.000	103.41	-3.48	--	--	Peak	267.00	150	Horizontal	N/A
3**	5307.000	95.31	-3.48	--	--	AV	267.00	150	Horizontal	N/A
4	7556.500	51.98	-0.69	74.0	-22.02	Peak	284.00	150	Horizontal	Pass
4**	7556.500	42.50	-0.69	54.0	-11.50	AV	284.00	150	Horizontal	Pass
5	11782.425	49.30	-3.69	74.0	-24.70	Peak	248.00	150	Horizontal	Pass
5**	11782.425	39.31	-3.69	54.0	-14.69	AV	248.00	150	Horizontal	Pass
6	15946.200	51.50	-0.31	74.0	-22.50	Peak	80.00	150	Horizontal	Pass
6**	15946.200	42.36	-0.31	54.0	-11.64	AV	80.00	150	Horizontal	Pass

11n40, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.800	44.00	-17.29	74.0	-30.00	Peak	223.00	150	Vertical	Pass
1**	1329.800	28.47	-17.29	54.0	-25.53	AV	223.00	150	Vertical	Pass
2	4271.000	47.48	-4.90	74.0	-26.52	Peak	272.00	150	Vertical	Pass
2**	4271.000	38.05	-4.90	54.0	-15.95	AV	272.00	150	Vertical	Pass
3	5303.250	103.35	-3.63	--	--	Peak	206.00	150	Vertical	N/A
3**	5303.250	95.81	-3.63	--	--	AV	206.00	150	Vertical	N/A
4	7461.000	52.23	1.13	74.0	-21.77	Peak	231.00	150	Vertical	Pass
4**	7461.000	43.53	1.13	54.0	-10.47	AV	231.00	150	Vertical	Pass
5	11172.287	49.71	-4.25	74.0	-24.29	Peak	353.00	150	Vertical	Pass
5**	11172.287	39.49	-4.25	54.0	-14.51	AV	353.00	150	Vertical	Pass
6	15700.237	51.99	0.10	74.0	-22.01	Peak	252.00	150	Vertical	Pass
6**	15700.237	42.08	0.10	54.0	-11.92	AV	252.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1488.000	37.91	-17.32	74.0	-36.09	Peak	332.00	150	Horizontal	Pass
1**	1488.000	28.36	-17.32	54.0	-25.64	AV	332.00	150	Horizontal	Pass
2	4137.250	46.91	-5.63	74.0	-27.09	Peak	222.00	150	Horizontal	Pass
2**	4137.250	36.81	-5.63	54.0	-17.19	AV	222.00	150	Horizontal	Pass
3	5496.250	105.63	-3.18	--	--	Peak	279.00	150	Horizontal	N/A
3**	5496.250	98.30	-3.18	--	--	AV	279.00	150	Horizontal	N/A
4	7472.500	53.37	0.71	74.0	-20.63	Peak	54.00	150	Horizontal	Pass
4**	7472.500	44.38	0.71	54.0	-9.62	AV	54.00	150	Horizontal	Pass
5	12438.875	49.25	-2.32	74.0	-24.75	Peak	0.00	150	Horizontal	Pass
5**	12438.875	40.63	-2.32	54.0	-13.37	AV	0.00	150	Horizontal	Pass
6	15702.600	50.86	0.05	74.0	-23.14	Peak	8.00	150	Horizontal	Pass
6**	15702.600	42.89	0.05	54.0	-11.11	AV	8.00	150	Horizontal	Pass

11a, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.300	40.74	-17.22	74.0	-33.26	Peak	209.00	150	Vertical	Pass
1**	1329.300	32.86	-17.22	54.0	-21.14	AV	209.00	150	Vertical	Pass
2	4261.250	47.23	-4.48	74.0	-26.77	Peak	344.00	150	Vertical	Pass
2**	4261.250	37.75	-4.48	54.0	-16.25	AV	344.00	150	Vertical	Pass
3	5503.250	106.37	-3.27	--	--	Peak	213.00	150	Vertical	N/A
3**	5503.250	98.55	-3.27	--	--	AV	213.00	150	Vertical	N/A
4	7515.000	52.85	0.84	74.0	-21.15	Peak	188.00	150	Vertical	Pass
4**	7515.000	43.87	0.84	54.0	-10.13	AV	188.00	150	Vertical	Pass
5	11691.225	49.08	-4.25	74.0	-24.92	Peak	142.00	150	Vertical	Pass
5**	11691.225	40.37	-4.25	54.0	-13.63	AV	142.00	150	Vertical	Pass
6	15701.026	51.77	0.08	74.0	-22.23	Peak	162.00	150	Vertical	Pass
6**	15701.026	41.64	0.08	54.0	-12.36	AV	162.00	150	Vertical	Pass

11a, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.300	37.60	-17.09	74.0	-36.40	Peak	208.00	150	Horizontal	Pass
1**	1328.300	28.73	-17.09	54.0	-25.27	AV	208.00	150	Horizontal	Pass
2	4951.000	48.90	-4.07	74.0	-25.10	Peak	63.00	150	Horizontal	Pass
2**	4951.000	38.75	-4.07	54.0	-15.25	AV	63.00	150	Horizontal	Pass
3	5577.000	107.26	-2.89	--	--	Peak	272.00	150	Horizontal	N/A
3**	5577.000	99.93	-2.89	--	--	AV	272.00	150	Horizontal	N/A
4	7706.500	52.52	1.66	74.0	-21.48	Peak	130.00	150	Horizontal	Pass
4**	7706.500	42.11	1.66	54.0	-11.89	AV	130.00	150	Horizontal	Pass
5	10668.313	49.93	-4.79	74.0	-24.07	Peak	319.00	150	Horizontal	Pass
5**	10668.313	39.99	-4.79	54.0	-14.01	AV	319.00	150	Horizontal	Pass
6	15708.112	51.14	-0.07	74.0	-22.86	Peak	361.00	150	Horizontal	Pass
6**	15708.112	42.50	-0.07	54.0	-11.50	AV	361.00	150	Horizontal	Pass

11a, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.900	43.19	-17.16	74.0	-30.81	Peak	234.00	150	Vertical	Pass
1**	1328.900	32.42	-17.16	54.0	-21.58	AV	234.00	150	Vertical	Pass
2	5092.000	50.38	-3.01	74.0	-23.62	Peak	145.00	150	Vertical	Pass
2**	5092.000	39.40	-3.01	54.0	-14.60	AV	145.00	150	Vertical	Pass
3	5579.000	106.19	-2.80	--	--	Peak	212.00	150	Vertical	N/A
3**	5579.000	99.96	-2.80	--	--	AV	212.00	150	Vertical	N/A
4	7514.250	52.50	0.77	74.0	-21.50	Peak	21.00	150	Vertical	Pass
4**	7514.250	43.87	0.77	54.0	-10.13	AV	21.00	150	Vertical	Pass
5	11160.651	49.92	-4.34	74.0	-24.08	Peak	341.00	150	Vertical	Pass
5**	11160.651	41.52	-4.34	54.0	-12.48	AV	341.00	150	Vertical	Pass
6	16047.787	52.20	-0.10	74.0	-21.80	Peak	274.00	150	Vertical	Pass
6**	16047.787	41.91	-0.10	54.0	-12.09	AV	274.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.100	37.44	-17.11	74.0	-36.56	Peak	85.00	150	Horizontal	Pass
1**	1328.100	29.76	-17.11	54.0	-24.24	AV	85.00	150	Horizontal	Pass
2	3952.250	45.81	-6.49	74.0	-28.19	Peak	238.00	150	Horizontal	Pass
2**	3952.250	36.04	-6.49	54.0	-17.96	AV	238.00	150	Horizontal	Pass
3	5702.750	104.02	-2.92	--	--	Peak	347.00	150	Horizontal	N/A
3**	5702.750	97.65	-2.92	--	--	AV	347.00	150	Horizontal	N/A
4	7451.500	52.55	0.83	74.0	-21.45	Peak	71.00	150	Horizontal	Pass
4**	7451.500	43.71	0.83	54.0	-10.29	AV	71.00	150	Horizontal	Pass
5	11403.850	48.77	-4.19	74.0	-25.23	Peak	22.00	150	Horizontal	Pass
5**	11403.850	40.58	-4.19	54.0	-13.42	AV	22.00	150	Horizontal	Pass
6	15722.812	50.47	-0.38	74.0	-23.53	Peak	106.00	150	Horizontal	Pass
6**	15722.812	41.68	-0.38	54.0	-12.32	AV	106.00	150	Horizontal	Pass

11a, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.800	43.19	-17.56	74.0	-30.81	Peak	204.00	150	Vertical	Pass
1**	1332.800	28.76	-17.56	54.0	-25.24	AV	204.00	150	Vertical	Pass
2	4040.500	45.51	-6.13	74.0	-28.49	Peak	299.00	150	Vertical	Pass
2**	4040.500	36.71	-6.13	54.0	-17.29	AV	299.00	150	Vertical	Pass
3	5701.000	106.05	-2.88	--	--	Peak	225.00	150	Vertical	N/A
3**	5701.000	98.58	-2.88	--	--	AV	225.00	150	Vertical	N/A
4	7463.500	52.72	1.01	74.0	-21.28	Peak	2.00	150	Vertical	Pass
4**	7463.500	43.58	1.01	54.0	-10.42	AV	2.00	150	Vertical	Pass
5	11400.050	49.37	-4.21	74.0	-24.63	Peak	0.00	150	Vertical	Pass
5**	11400.050	40.85	-4.21	54.0	-13.15	AV	0.00	150	Vertical	Pass
6	16029.150	52.07	-0.12	74.0	-21.93	Peak	223.00	150	Vertical	Pass
6**	16029.150	41.84	-0.12	54.0	-12.16	AV	223.00	150	Vertical	Pass

11n20, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1475.100	37.44	-17.44	74.0	-36.56	Peak	46.00	150	Horizontal	Pass
1**	1475.100	27.96	-17.44	54.0	-26.04	AV	46.00	150	Horizontal	Pass
2	4319.750	47.32	-4.60	74.0	-26.68	Peak	228.00	150	Horizontal	Pass
2**	4319.750	37.65	-4.60	54.0	-16.35	AV	228.00	150	Horizontal	Pass
--	5499.250	102.85	-3.28	--	--	Peak	344.00	150	Horizontal	N/A
--	5499.250	96.53	-3.28	--	--	AV	344.00	150	Horizontal	N/A
4	7453.500	52.29	1.06	74.0	-21.71	Peak	360.00	150	Horizontal	Pass
4**	7453.500	43.68	1.06	54.0	-10.32	AV	360.00	150	Horizontal	Pass
5	12292.338	49.44	-2.51	74.0	-24.56	Peak	260.00	150	Horizontal	Pass
5**	12292.338	39.09	-2.51	54.0	-14.91	AV	260.00	150	Horizontal	Pass
6	15956.963	51.94	-0.22	74.0	-22.06	Peak	249.00	150	Horizontal	Pass
6**	15956.963	41.42	-0.22	54.0	-12.58	AV	249.00	150	Horizontal	Pass

11n20, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.100	39.77	-17.11	74.0	-34.23	Peak	205.00	150	Vertical	Pass
1**	1328.100	28.62	-17.11	54.0	-25.38	AV	205.00	150	Vertical	Pass
2	3968.250	45.59	-6.45	74.0	-28.41	Peak	350.00	150	Vertical	Pass
2**	3968.250	36.23	-6.45	54.0	-17.77	AV	350.00	150	Vertical	Pass
3	5499.000	103.87	-3.29	--	--	Peak	217.00	150	Vertical	N/A
3**	5499.000	97.01	-3.29	--	--	AV	217.00	150	Vertical	N/A
4	7485.000	52.09	-0.32	74.0	-21.91	Peak	360.00	150	Vertical	Pass
4**	7485.000	42.87	-0.32	54.0	-11.13	AV	360.00	150	Vertical	Pass
5	11696.451	49.00	-4.22	74.0	-25.00	Peak	260.00	150	Vertical	Pass
5**	11696.451	38.67	-4.22	54.0	-15.33	AV	260.00	150	Vertical	Pass
6	15714.413	51.27	-0.20	74.0	-22.73	Peak	110.00	150	Vertical	Pass
6**	15714.413	42.01	-0.20	54.0	-11.99	AV	110.00	150	Vertical	Pass

11n20, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.000	41.77	-17.13	74.0	-32.23	Peak	34.00	150	Horizontal	Pass
1**	1328.000	31.56	-17.13	54.0	-22.44	AV	34.00	150	Horizontal	Pass
2	4222.500	47.24	-5.38	74.0	-26.76	Peak	104.00	150	Horizontal	Pass
2**	4222.500	37.46	-5.38	54.0	-16.54	AV	104.00	150	Horizontal	Pass
3	5582.000	104.84	-2.79	--	--	Peak	214.00	150	Horizontal	N/A
3**	5582.000	97.85	-2.79	--	--	AV	214.00	150	Horizontal	N/A
4	7455.250	53.23	1.16	74.0	-20.77	Peak	360.00	150	Horizontal	Pass
4**	7455.250	43.62	1.16	54.0	-10.38	AV	360.00	150	Horizontal	Pass
5	11797.387	48.85	-3.56	74.0	-25.15	Peak	248.00	150	Horizontal	Pass
5**	11797.387	39.85	-3.56	54.0	-14.15	AV	248.00	150	Horizontal	Pass
6	15736.988	51.01	-0.67	74.0	-22.99	Peak	66.00	150	Horizontal	Pass
6**	15736.988	41.11	-0.67	54.0	-12.89	AV	66.00	150	Horizontal	Pass

11n20, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.200	43.74	-17.20	74.0	-30.26	Peak	224.00	150	Vertical	Pass
1**	1329.200	27.38	-17.20	54.0	-26.62	AV	224.00	150	Vertical	Pass
2	4222.250	46.10	-5.40	74.0	-27.90	Peak	123.00	150	Vertical	Pass
2**	4222.250	36.49	-5.40	54.0	-17.51	AV	123.00	150	Vertical	Pass
3	5578.750	104.68	-2.83	--	--	Peak	224.00	150	Vertical	N/A
3**	5578.750	97.47	-2.83	--	--	AV	224.00	150	Vertical	N/A
4	7455.000	52.20	1.17	74.0	-21.80	Peak	215.00	150	Vertical	Pass
4**	7455.000	43.94	1.17	54.0	-10.06	AV	215.00	150	Vertical	Pass
5	11455.625	49.27	-3.92	74.0	-24.73	Peak	89.00	150	Vertical	Pass
5**	11455.625	39.45	-3.92	54.0	-14.55	AV	89.00	150	Vertical	Pass
6	15849.862	51.29	-0.76	74.0	-22.71	Peak	350.00	150	Vertical	Pass
6**	15849.862	41.37	-0.76	54.0	-12.63	AV	350.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.700	38.56	-17.27	74.0	-35.44	Peak	199.00	150	Horizontal	Pass
1**	1329.700	28.53	-17.27	54.0	-25.47	AV	199.00	150	Horizontal	Pass
2	4011.500	46.14	-5.62	74.0	-27.86	Peak	54.00	150	Horizontal	Pass
2**	4011.500	36.80	-5.62	54.0	-17.20	AV	54.00	150	Horizontal	Pass
3	5702.500	102.29	-2.91	--	--	Peak	348.00	150	Horizontal	N/A
3**	5702.500	94.87	-2.91	--	--	AV	348.00	150	Horizontal	N/A
4	7388.250	52.51	-0.75	74.0	-21.49	Peak	155.00	150	Horizontal	Pass
4**	7388.250	41.72	-0.75	54.0	-12.28	AV	155.00	150	Horizontal	Pass
5	12440.300	49.94	-2.30	74.0	-24.06	Peak	211.00	150	Horizontal	Pass
5**	12440.300	39.64	-2.30	54.0	-14.36	AV	211.00	150	Horizontal	Pass
6	15705.224	51.81	-0.01	74.0	-22.19	Peak	50.00	150	Horizontal	Pass
6**	15705.224	42.84	-0.01	54.0	-11.16	AV	50.00	150	Horizontal	Pass

11n20, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.000	43.59	-17.17	74.0	-30.41	Peak	202.00	150	Vertical	Pass
1**	1329.000	33.73	-17.17	54.0	-20.27	AV	202.00	150	Vertical	Pass
2	4307.500	48.81	-4.16	74.0	-25.19	Peak	195.00	150	Vertical	Pass
2**	4307.500	39.03	-4.16	54.0	-14.97	AV	195.00	150	Vertical	Pass
3	5702.000	103.56	-2.88	--	--	Peak	212.00	150	Vertical	N/A
3**	5702.000	96.76	-2.88	--	--	AV	212.00	150	Vertical	N/A
4	7455.250	52.95	1.16	74.0	-21.05	Peak	0.00	150	Vertical	Pass
4**	7455.250	43.74	1.16	54.0	-10.26	AV	0.00	150	Vertical	Pass
5	11714.737	48.97	-4.13	74.0	-25.03	Peak	214.00	150	Vertical	Pass
5**	11714.737	39.20	-4.13	54.0	-14.80	AV	214.00	150	Vertical	Pass
6	15961.162	50.74	-0.21	74.0	-23.26	Peak	82.00	150	Vertical	Pass
6**	15961.162	41.97	-0.21	54.0	-12.03	AV	82.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1172.300	36.87	-18.19	74.0	-37.13	Peak	360.00	150	Horizontal	Pass
1**	1172.300	25.45	-18.19	54.0	-28.55	AV	360.00	150	Horizontal	Pass
2	4069.250	46.15	-6.18	74.0	-27.85	Peak	13.00	150	Horizontal	Pass
2**	4069.250	36.72	-6.18	54.0	-17.28	AV	13.00	150	Horizontal	Pass
3	5515.250	99.73	-3.16	--	--	Peak	334.00	150	Horizontal	N/A
3**	5515.250	92.91	-3.16	--	--	AV	334.00	150	Horizontal	N/A
4	7451.500	53.75	0.83	74.0	-20.25	Peak	0.00	150	Horizontal	Pass
4**	7451.500	43.56	0.83	54.0	-10.44	AV	0.00	150	Horizontal	Pass
5	11183.213	49.39	-4.17	74.0	-24.61	Peak	126.00	150	Horizontal	Pass
5**	11183.213	40.65	-4.17	54.0	-13.35	AV	126.00	150	Horizontal	Pass
6	15718.612	51.24	-0.29	74.0	-22.76	Peak	174.00	150	Horizontal	Pass
6**	15718.612	42.46	-0.29	54.0	-11.54	AV	174.00	150	Horizontal	Pass

11n40, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1164.600	41.82	-18.12	74.0	-32.18	Peak	129.00	150	Vertical	Pass
1**	1164.600	32.16	-18.12	54.0	-21.84	AV	129.00	150	Vertical	Pass
2	4028.000	45.79	-6.33	74.0	-28.21	Peak	156.00	150	Vertical	Pass
2**	4028.000	35.77	-6.33	54.0	-18.23	AV	156.00	150	Vertical	Pass
3	5511.750	100.75	-3.18	--	--	Peak	175.00	150	Vertical	N/A
3**	5511.750	92.58	-3.18	--	--	AV	175.00	150	Vertical	N/A
4	7392.750	52.51	-0.40	74.0	-21.49	Peak	348.00	150	Vertical	Pass
4**	7392.750	42.56	-0.40	54.0	-11.44	AV	348.00	150	Vertical	Pass
5	11205.775	49.58	-4.07	74.0	-24.42	Peak	22.00	150	Vertical	Pass
5**	11205.775	39.08	-4.07	54.0	-14.92	AV	22.00	150	Vertical	Pass
6	15701.026	51.14	0.08	74.0	-22.86	Peak	1.00	150	Vertical	Pass
6**	15701.026	41.78	0.08	54.0	-12.22	AV	1.00	150	Vertical	Pass

11n40, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.600	39.70	-17.19	74.0	-34.30	Peak	201.00	150	Horizontal	Pass
1**	1327.600	31.07	-17.19	54.0	-22.93	AV	201.00	150	Horizontal	Pass
2	3988.750	45.80	-6.24	74.0	-28.20	Peak	351.00	150	Horizontal	Pass
2**	3988.750	36.48	-6.24	54.0	-17.52	AV	351.00	150	Horizontal	Pass
3	5592.750	102.92	-3.25	--	--	Peak	326.00	150	Horizontal	N/A
3**	5592.750	96.12	-3.25	--	--	AV	326.00	150	Horizontal	N/A
4	7454.500	52.38	1.17	74.0	-21.62	Peak	284.00	150	Horizontal	Pass
4**	7454.500	45.09	1.17	54.0	-8.91	AV	284.00	150	Horizontal	Pass
5	11314.312	49.21	-4.14	74.0	-24.79	Peak	238.00	150	Horizontal	Pass
5**	11314.312	40.48	-4.14	54.0	-13.52	AV	238.00	150	Horizontal	Pass
6	15468.450	50.92	-0.40	74.0	-23.08	Peak	46.00	150	Horizontal	Pass
6**	15468.450	42.47	-0.40	54.0	-11.53	AV	46.00	150	Horizontal	Pass

11n40, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1164.700	38.15	-18.12	74.0	-35.85	Peak	289.00	150	Vertical	Pass
1**	1164.700	26.97	-18.12	54.0	-27.03	AV	289.00	150	Vertical	Pass
2	4012.750	46.07	-5.62	74.0	-27.93	Peak	290.00	150	Vertical	Pass
2**	4012.750	37.68	-5.62	54.0	-16.32	AV	290.00	150	Vertical	Pass
3	5596.750	103.15	-2.90	--	--	Peak	154.00	150	Vertical	N/A
3**	5596.750	96.25	-2.90	--	--	AV	154.00	150	Vertical	N/A
4	7503.000	52.42	-0.44	74.0	-21.58	Peak	103.00	150	Vertical	Pass
4**	7503.000	43.54	-0.44	54.0	-10.46	AV	103.00	150	Vertical	Pass
5	11197.225	49.80	-4.07	74.0	-24.20	Peak	7.00	150	Vertical	Pass
5**	11197.225	40.48	-4.07	54.0	-13.52	AV	7.00	150	Vertical	Pass
6	15713.625	51.54	-0.18	74.0	-22.46	Peak	301.00	150	Vertical	Pass
6**	15713.625	41.55	-0.18	54.0	-12.45	AV	301.00	150	Vertical	Pass

11n40, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.000	39.23	-17.54	74.0	-34.77	Peak	198.00	150	Horizontal	Pass
1**	1333.000	27.10	-17.54	54.0	-26.90	AV	198.00	150	Horizontal	Pass
2	4003.500	45.87	-5.79	74.0	-28.13	Peak	106.00	150	Horizontal	Pass
2**	4003.500	36.80	-5.79	54.0	-17.20	AV	106.00	150	Horizontal	Pass
3	5668.250	102.09	-3.31	--	--	Peak	329.00	150	Horizontal	N/A
3**	5668.250	94.69	-3.31	--	--	AV	329.00	150	Horizontal	N/A
4	7475.000	53.67	0.66	74.0	-20.33	Peak	226.00	150	Horizontal	Pass
4**	7475.000	43.61	0.66	54.0	-10.39	AV	226.00	150	Horizontal	Pass
5	11116.951	49.05	-4.49	74.0	-24.95	Peak	204.00	150	Horizontal	Pass
5**	11116.951	38.74	-4.49	54.0	-15.26	AV	204.00	150	Horizontal	Pass
6	15702.862	51.19	0.04	74.0	-22.81	Peak	48.00	150	Horizontal	Pass
6**	15702.862	42.36	0.04	54.0	-11.64	AV	48.00	150	Horizontal	Pass

11n40, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1092.900	37.35	-18.49	74.0	-36.65	Peak	333.00	150	Vertical	Pass
1**	1092.900	26.89	-18.49	54.0	-27.11	AV	333.00	150	Vertical	Pass
2	4111.750	46.71	-5.76	74.0	-27.29	Peak	96.00	150	Vertical	Pass
2**	4111.750	36.81	-5.76	54.0	-17.19	AV	96.00	150	Vertical	Pass
3	5664.000	102.47	-3.18	--	--	Peak	181.00	150	Vertical	N/A
3**	5664.000	94.23	-3.18	--	--	AV	181.00	150	Vertical	N/A
4	7451.250	52.56	0.80	74.0	-21.44	Peak	4.00	150	Vertical	Pass
4**	7451.250	43.26	0.80	54.0	-10.74	AV	4.00	150	Vertical	Pass
5	12175.013	49.86	-3.07	74.0	-24.14	Peak	190.00	150	Vertical	Pass
5**	12175.013	39.78	-3.07	54.0	-14.22	AV	190.00	150	Vertical	Pass
6	15704.963	52.13	-0.00	74.0	-21.87	Peak	345.00	150	Vertical	Pass
6**	15704.963	42.35	-0.00	54.0	-11.65	AV	345.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1326.900	38.28	-17.29	74.0	-35.72	Peak	147.00	150	Horizontal	Pass
1**	1326.900	27.54	-17.29	54.0	-26.46	AV	147.00	150	Horizontal	Pass
2	4283.750	48.39	-4.79	74.0	-25.61	Peak	139.00	150	Horizontal	Pass
2**	4283.750	37.34	-4.79	54.0	-16.66	AV	139.00	150	Horizontal	Pass
3	5746.750	106.27	-2.92	--	--	Peak	327.00	150	Horizontal	N/A
3**	5746.750	99.16	-2.92	--	--	AV	327.00	150	Horizontal	N/A
4	7460.500	53.07	1.14	74.0	-20.93	Peak	294.00	150	Horizontal	Pass
4**	7460.500	43.70	1.14	54.0	-10.30	AV	294.00	150	Horizontal	Pass
5	11176.088	50.79	-4.22	74.0	-23.21	Peak	236.00	150	Horizontal	Pass
5**	11176.088	39.90	-4.22	54.0	-14.10	AV	236.00	150	Horizontal	Pass
6	15737.775	51.76	-0.69	74.0	-22.24	Peak	100.00	150	Horizontal	Pass
6**	15737.775	41.17	-0.69	54.0	-12.83	AV	100.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1162.400	38.78	-18.20	74.0	-35.22	Peak	121.00	150	Vertical	Pass
1**	1162.400	27.19	-18.20	54.0	-26.81	AV	121.00	150	Vertical	Pass
2	4061.000	45.70	-6.11	74.0	-28.30	Peak	123.00	150	Vertical	Pass
2**	4061.000	36.87	-6.11	54.0	-17.13	AV	123.00	150	Vertical	Pass
3	5743.000	106.78	-3.04	--	--	Peak	166.00	150	Vertical	N/A
3**	5743.000	99.62	-3.04	--	--	AV	166.00	150	Vertical	N/A
4	7460.750	52.94	1.14	74.0	-21.06	Peak	139.00	150	Vertical	Pass
4**	7460.750	44.24	1.14	54.0	-9.76	AV	139.00	150	Vertical	Pass
5	11794.300	49.46	-3.59	74.0	-24.54	Peak	360.00	150	Vertical	Pass
5**	11794.300	40.36	-3.59	54.0	-13.64	AV	360.00	150	Vertical	Pass
6	15702.075	51.46	0.06	74.0	-22.54	Peak	1.00	150	Vertical	Pass
6**	15702.075	41.62	0.06	54.0	-12.38	AV	1.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1010.100	36.86	-18.29	74.0	-37.14	Peak	169.00	150	Horizontal	Pass
1**	1010.100	28.80	-18.29	54.0	-25.20	AV	169.00	150	Horizontal	Pass
2	4305.750	48.12	-4.19	74.0	-25.88	Peak	314.00	150	Horizontal	Pass
2**	4305.750	38.79	-4.19	54.0	-15.21	AV	314.00	150	Horizontal	Pass
3	5783.000	106.30	-3.17	--	--	Peak	314.00	150	Horizontal	N/A
3**	5783.000	99.68	-3.17	--	--	AV	314.00	150	Horizontal	N/A
4	7494.750	52.76	-0.36	74.0	-21.24	Peak	83.00	150	Horizontal	Pass
4**	7494.750	42.70	-0.36	54.0	-11.30	AV	83.00	150	Horizontal	Pass
5	11313.362	49.28	-4.13	74.0	-24.72	Peak	255.00	150	Horizontal	Pass
5**	11313.362	39.81	-4.13	54.0	-14.19	AV	255.00	150	Horizontal	Pass
6	15716.775	51.37	-0.25	74.0	-22.63	Peak	36.00	150	Horizontal	Pass
6**	15716.775	42.55	-0.25	54.0	-11.45	AV	36.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.500	42.36	-17.24	74.0	-31.64	Peak	136.00	150	Vertical	Pass
1**	1329.500	30.18	-17.24	54.0	-23.82	AV	136.00	150	Vertical	Pass
2	3934.250	45.84	-5.64	74.0	-28.16	Peak	231.00	150	Vertical	Pass
2**	3934.250	35.75	-5.64	54.0	-18.25	AV	231.00	150	Vertical	Pass
3	5784.000	107.46	-3.19	--	--	Peak	181.00	150	Vertical	N/A
3**	5784.000	100.34	-3.19	--	--	AV	181.00	150	Vertical	N/A
4	7516.000	52.89	0.93	74.0	-21.11	Peak	214.00	150	Vertical	Pass
4**	7516.000	43.80	0.93	54.0	-10.20	AV	214.00	150	Vertical	Pass
5	11184.874	49.66	-4.16	74.0	-24.34	Peak	53.00	150	Vertical	Pass
5**	11184.874	39.72	-4.16	54.0	-14.28	AV	53.00	150	Vertical	Pass
6	15555.599	51.28	-0.60	74.0	-22.72	Peak	11.00	150	Vertical	Pass
6**	15555.599	42.03	-0.60	54.0	-11.97	AV	11.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.100	40.45	-17.53	74.0	-33.55	Peak	203.00	150	Horizontal	Pass
1**	1333.100	27.33	-17.53	54.0	-26.67	AV	203.00	150	Horizontal	Pass
2	4307.000	47.82	-4.16	74.0	-26.18	Peak	20.00	150	Horizontal	Pass
2**	4307.000	37.82	-4.16	54.0	-16.18	AV	20.00	150	Horizontal	Pass
3	5823.500	106.95	-3.12	--	--	Peak	322.00	150	Horizontal	N/A
3**	5823.500	99.36	-3.12	--	--	AV	322.00	150	Horizontal	N/A
4	7326.500	52.17	-0.45	74.0	-21.83	Peak	306.00	150	Horizontal	Pass
4**	7326.500	42.15	-0.45	54.0	-11.85	AV	306.00	150	Horizontal	Pass
5	11319.537	49.60	-4.19	74.0	-24.40	Peak	298.00	150	Horizontal	Pass
5**	11319.537	39.73	-4.19	54.0	-14.27	AV	298.00	150	Horizontal	Pass
6	15704.175	50.98	0.02	74.0	-23.02	Peak	57.00	150	Horizontal	Pass
6**	15704.175	41.09	0.02	54.0	-12.91	AV	57.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.400	43.16	-17.23	74.0	-30.84	Peak	211.00	150	Vertical	Pass
1**	1329.400	28.66	-17.23	54.0	-25.34	AV	211.00	150	Vertical	Pass
2	4182.750	46.44	-4.96	74.0	-27.56	Peak	314.00	150	Vertical	Pass
2**	4182.750	36.30	-4.96	54.0	-17.70	AV	314.00	150	Vertical	Pass
3	5826.000	107.78	-3.00	--	--	Peak	168.00	150	Vertical	N/A
3**	5826.000	101.02	-3.00	--	--	AV	168.00	150	Vertical	N/A
4	7463.250	53.15	1.04	74.0	-20.85	Peak	356.00	150	Vertical	Pass
4**	7463.250	44.12	1.04	54.0	-9.88	AV	356.00	150	Vertical	Pass
5	12054.125	49.54	-3.36	74.0	-24.46	Peak	60.00	150	Vertical	Pass
5**	12054.125	39.19	-3.36	54.0	-14.81	AV	60.00	150	Vertical	Pass
6	16178.250	52.50	-0.45	74.0	-21.50	Peak	36.00	150	Vertical	Pass
6**	16178.250	42.68	-0.45	54.0	-11.32	AV	36.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1205.200	36.66	-17.90	74.0	-37.34	Peak	338.00	150	Horizontal	Pass
1**	1205.200	27.48	-17.90	54.0	-26.52	AV	338.00	150	Horizontal	Pass
2	4308.000	47.68	-4.20	74.0	-26.32	Peak	152.00	150	Horizontal	Pass
2**	4308.000	37.82	-4.20	54.0	-16.18	AV	152.00	150	Horizontal	Pass
3	5744.250	105.64	-2.96	--	--	Peak	327.00	150	Horizontal	N/A
3**	5744.250	98.66	-2.96	--	--	AV	327.00	150	Horizontal	N/A
4	7466.750	52.38	0.88	74.0	-21.62	Peak	95.00	150	Horizontal	Pass
4**	7466.750	43.35	0.88	54.0	-10.65	AV	95.00	150	Horizontal	Pass
5	11173.474	49.65	-4.24	74.0	-24.35	Peak	257.00	150	Horizontal	Pass
5**	11173.474	40.19	-4.24	54.0	-13.81	AV	257.00	150	Horizontal	Pass
6	15456.113	51.56	-0.22	74.0	-22.44	Peak	250.00	150	Horizontal	Pass
6**	15456.113	42.20	-0.22	54.0	-11.80	AV	250.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.400	42.35	-17.22	74.0	-31.65	Peak	30.00	150	Vertical	Pass
1**	1327.400	28.05	-17.22	54.0	-25.95	AV	30.00	150	Vertical	Pass
2	3990.250	46.42	-6.25	74.0	-27.58	Peak	185.00	150	Vertical	Pass
2**	3990.250	36.32	-6.25	54.0	-17.68	AV	185.00	150	Vertical	Pass
3	5743.500	106.42	-3.01	--	--	Peak	177.00	150	Vertical	N/A
3**	5743.500	98.78	-3.01	--	--	AV	177.00	150	Vertical	N/A
4	7467.250	52.75	0.91	74.0	-21.25	Peak	280.00	150	Vertical	Pass
4**	7467.250	44.39	0.91	54.0	-9.61	AV	280.00	150	Vertical	Pass
5	11325.712	49.14	-4.25	74.0	-24.86	Peak	286.00	150	Vertical	Pass
5**	11325.712	39.35	-4.25	54.0	-14.65	AV	286.00	150	Vertical	Pass
6	15709.688	51.57	-0.10	74.0	-22.43	Peak	278.00	150	Vertical	Pass
6**	15709.688	42.25	-0.10	54.0	-11.75	AV	278.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1215.000	37.92	-17.73	74.0	-36.08	Peak	234.00	150	Horizontal	Pass
1**	1215.000	29.40	-17.73	54.0	-24.60	AV	234.00	150	Horizontal	Pass
2	4239.000	46.73	-5.26	74.0	-27.27	Peak	348.00	150	Horizontal	Pass
2**	4239.000	37.42	-5.26	54.0	-16.58	AV	348.00	150	Horizontal	Pass
3	5786.500	105.51	-3.10	--	--	Peak	316.00	150	Horizontal	N/A
3**	5786.500	98.13	-3.10	--	--	AV	316.00	150	Horizontal	N/A
4	7507.000	52.56	0.16	74.0	-21.44	Peak	341.00	150	Horizontal	Pass
4**	7507.000	44.27	0.16	54.0	-9.73	AV	341.00	150	Horizontal	Pass
5	11676.975	49.89	-4.33	74.0	-24.11	Peak	302.00	150	Horizontal	Pass
5**	11676.975	39.51	-4.33	54.0	-14.49	AV	302.00	150	Horizontal	Pass
6	16054.875	51.55	-0.19	74.0	-22.45	Peak	358.00	150	Horizontal	Pass
6**	16054.875	42.69	-0.19	54.0	-11.31	AV	358.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1163.700	39.90	-18.16	74.0	-34.10	Peak	114.00	150	Vertical	Pass
1**	1163.700	30.05	-18.16	54.0	-23.95	AV	114.00	150	Vertical	Pass
2	4307.000	48.79	-4.16	74.0	-25.21	Peak	147.00	150	Vertical	Pass
2**	4307.000	38.76	-4.16	54.0	-15.24	AV	147.00	150	Vertical	Pass
3	5782.500	106.65	-3.17	--	--	Peak	181.00	150	Vertical	N/A
3**	5782.500	99.23	-3.17	--	--	AV	181.00	150	Vertical	N/A
4	7466.000	52.56	0.83	74.0	-21.44	Peak	337.00	150	Vertical	Pass
4**	7466.000	43.50	0.83	54.0	-10.50	AV	337.00	150	Vertical	Pass
5	12306.350	49.81	-2.48	74.0	-24.19	Peak	316.00	150	Vertical	Pass
5**	12306.350	40.44	-2.48	54.0	-13.56	AV	316.00	150	Vertical	Pass
6	15944.100	51.22	-0.35	74.0	-22.78	Peak	111.00	150	Vertical	Pass
6**	15944.100	41.77	-0.35	54.0	-12.23	AV	111.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1077.900	36.07	-18.13	74.0	-37.93	Peak	156.00	150	Horizontal	Pass
1**	1077.900	26.52	-18.13	54.0	-27.48	AV	156.00	150	Horizontal	Pass
2	3967.750	46.08	-6.41	74.0	-27.92	Peak	360.00	150	Horizontal	Pass
2**	3967.750	36.49	-6.41	54.0	-17.51	AV	360.00	150	Horizontal	Pass
3	5825.250	106.43	-3.09	--	--	Peak	325.00	150	Horizontal	N/A
3**	5825.250	98.74	-3.09	--	--	AV	325.00	150	Horizontal	N/A
4	7534.500	52.62	0.77	74.0	-21.38	Peak	281.00	150	Horizontal	Pass
4**	7534.500	43.04	0.77	54.0	-10.96	AV	281.00	150	Horizontal	Pass
5	11674.838	49.10	-4.34	74.0	-24.90	Peak	71.00	150	Horizontal	Pass
5**	11674.838	38.89	-4.34	54.0	-15.11	AV	71.00	150	Horizontal	Pass
6	15694.200	51.63	-0.06	74.0	-22.37	Peak	9.00	150	Horizontal	Pass
6**	15694.200	40.39	-0.06	54.0	-13.61	AV	9.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1162.100	37.68	-18.17	74.0	-36.32	Peak	135.00	150	Vertical	Pass
1**	1162.100	27.80	-18.17	54.0	-26.20	AV	135.00	150	Vertical	Pass
2	4295.000	47.98	-4.43	74.0	-26.02	Peak	29.00	150	Vertical	Pass
2**	4295.000	37.66	-4.43	54.0	-16.34	AV	29.00	150	Vertical	Pass
3	5823.000	107.15	-3.10	--	--	Peak	174.00	150	Vertical	N/A
3**	5823.000	99.63	-3.10	--	--	AV	174.00	150	Vertical	N/A
4	7453.750	53.21	1.09	74.0	-20.79	Peak	131.00	150	Vertical	Pass
4**	7453.750	43.77	1.09	54.0	-10.23	AV	131.00	150	Vertical	Pass
5	11871.725	49.04	-3.26	74.0	-24.96	Peak	206.00	150	Vertical	Pass
5**	11871.725	39.70	-3.26	54.0	-14.30	AV	206.00	150	Vertical	Pass
6	15456.638	51.92	-0.23	74.0	-22.08	Peak	20.00	150	Vertical	Pass
6**	15456.638	41.56	-0.23	54.0	-12.44	AV	20.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.600	38.45	-17.49	74.0	-35.55	Peak	159.00	150	Horizontal	Pass
1**	1331.600	28.46	-17.49	54.0	-25.54	AV	159.00	150	Horizontal	Pass
2	4206.500	47.04	-5.49	74.0	-26.96	Peak	348.00	150	Horizontal	Pass
2**	4206.500	36.30	-5.49	54.0	-17.70	AV	348.00	150	Horizontal	Pass
3	5757.500	102.62	-2.53	--	--	Peak	323.00	150	Horizontal	N/A
3**	5757.500	95.26	-2.53	--	--	AV	323.00	150	Horizontal	N/A
4	7472.500	52.45	0.71	74.0	-21.55	Peak	279.00	150	Horizontal	Pass
4**	7472.500	42.80	0.71	54.0	-11.20	AV	279.00	150	Horizontal	Pass
5	11421.901	48.77	-4.06	74.0	-25.23	Peak	219.00	150	Horizontal	Pass
5**	11421.901	39.37	-4.06	54.0	-14.63	AV	219.00	150	Horizontal	Pass
6	15470.026	50.83	-0.42	74.0	-23.17	Peak	147.00	150	Horizontal	Pass
6**	15470.026	41.73	-0.42	54.0	-12.27	AV	147.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.000	43.23	-17.31	74.0	-30.77	Peak	216.00	150	Vertical	Pass
1**	1330.000	32.03	-17.31	54.0	-21.97	AV	216.00	150	Vertical	Pass
2	4288.000	47.81	-4.47	74.0	-26.19	Peak	19.00	150	Vertical	Pass
2**	4288.000	37.64	-4.47	54.0	-16.36	AV	19.00	150	Vertical	Pass
3	5757.250	103.99	-2.56	--	--	Peak	176.00	150	Vertical	N/A
3**	5757.250	97.11	-2.56	--	--	AV	176.00	150	Vertical	N/A
4	7507.250	52.64	0.21	74.0	-21.36	Peak	46.00	150	Vertical	Pass
4**	7507.250	44.51	0.21	54.0	-9.49	AV	46.00	150	Vertical	Pass
5	11313.838	49.45	-4.14	74.0	-24.55	Peak	137.00	150	Vertical	Pass
5**	11313.838	40.04	-4.14	54.0	-13.96	AV	137.00	150	Vertical	Pass
6	16126.012	51.52	-0.71	74.0	-22.48	Peak	248.00	150	Vertical	Pass
6**	16126.012	41.34	-0.71	54.0	-12.66	AV	248.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1134.100	36.95	-18.23	74.0	-37.05	Peak	74.00	150	Horizontal	Pass
1**	1134.100	27.47	-18.23	54.0	-26.53	AV	74.00	150	Horizontal	Pass
2	4318.750	47.02	-4.59	74.0	-26.98	Peak	69.00	150	Horizontal	Pass
2**	4318.750	39.09	-4.59	54.0	-14.91	AV	69.00	150	Horizontal	Pass
3	5796.500	103.48	-3.30	--	--	Peak	322.00	150	Horizontal	N/A
3**	5796.500	96.38	-3.30	--	--	AV	322.00	150	Horizontal	N/A
4	7454.000	53.49	1.12	74.0	-20.51	Peak	154.00	150	Horizontal	Pass
4**	7454.000	43.37	1.12	54.0	-10.63	AV	154.00	150	Horizontal	Pass
5	11801.662	49.43	-3.52	74.0	-24.57	Peak	156.00	150	Horizontal	Pass
5**	11801.662	40.89	-3.52	54.0	-13.11	AV	156.00	150	Horizontal	Pass
6	15681.863	50.34	-0.42	74.0	-23.66	Peak	38.00	150	Horizontal	Pass
6**	15681.863	40.44	-0.42	54.0	-13.56	AV	38.00	150	Horizontal	Pass

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

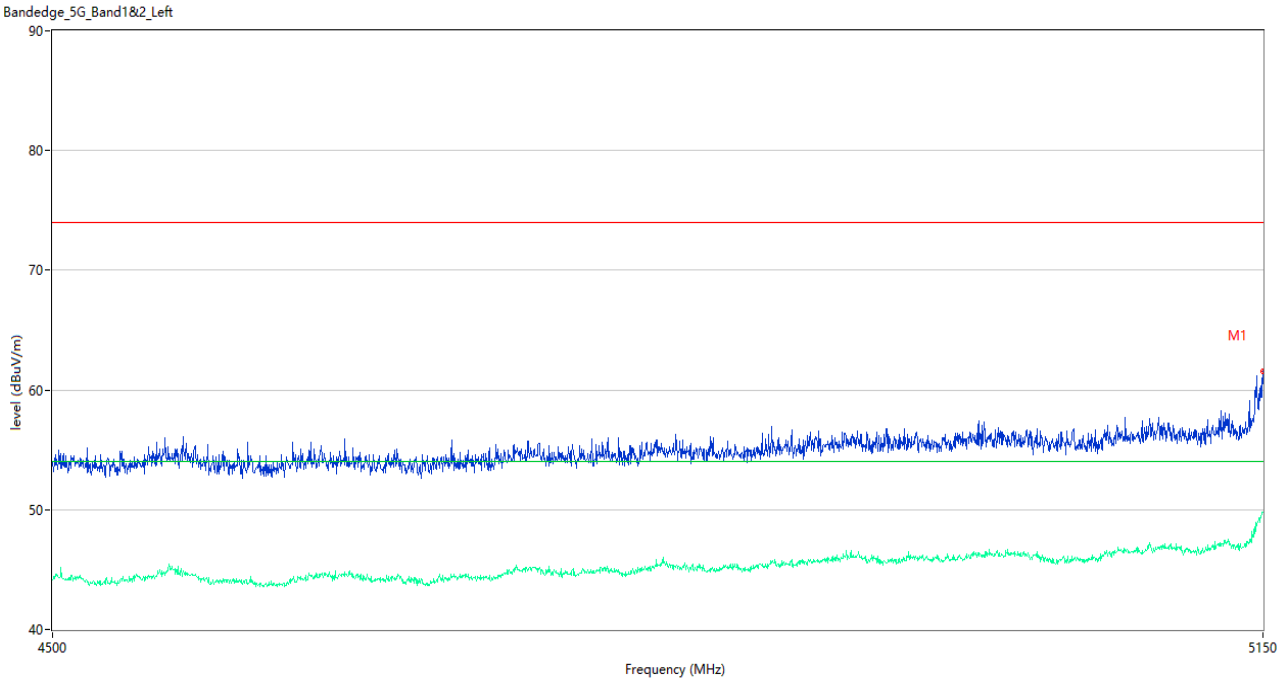
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.600	42.92	-17.49	74.0	-31.08	Peak	209.00	150	Vertical	Pass
1**	1333.600	32.61	-17.49	54.0	-21.39	AV	209.00	150	Vertical	Pass
2	4065.250	46.77	-5.96	74.0	-27.23	Peak	46.00	150	Vertical	Pass
2**	4065.250	36.96	-5.96	54.0	-17.04	AV	46.00	150	Vertical	Pass
3	5792.500	104.06	-3.27	--	--	Peak	181.00	150	Vertical	N/A
3**	5792.500	96.03	-3.27	--	--	AV	181.00	150	Vertical	N/A
4	7583.750	52.33	0.05	74.0	-21.67	Peak	308.00	150	Vertical	Pass
4**	7583.750	42.54	0.05	54.0	-11.46	AV	308.00	150	Vertical	Pass
5	11460.375	48.84	-3.96	74.0	-25.16	Peak	334.00	150	Vertical	Pass
5**	11460.375	38.61	-3.96	54.0	-15.39	AV	334.00	150	Vertical	Pass
6	15476.325	50.85	-0.51	74.0	-23.15	Peak	51.00	150	Vertical	Pass
6**	15476.325	41.06	-0.51	54.0	-12.94	AV	51.00	150	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
U-NII-2A	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
U-NII-2C	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	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

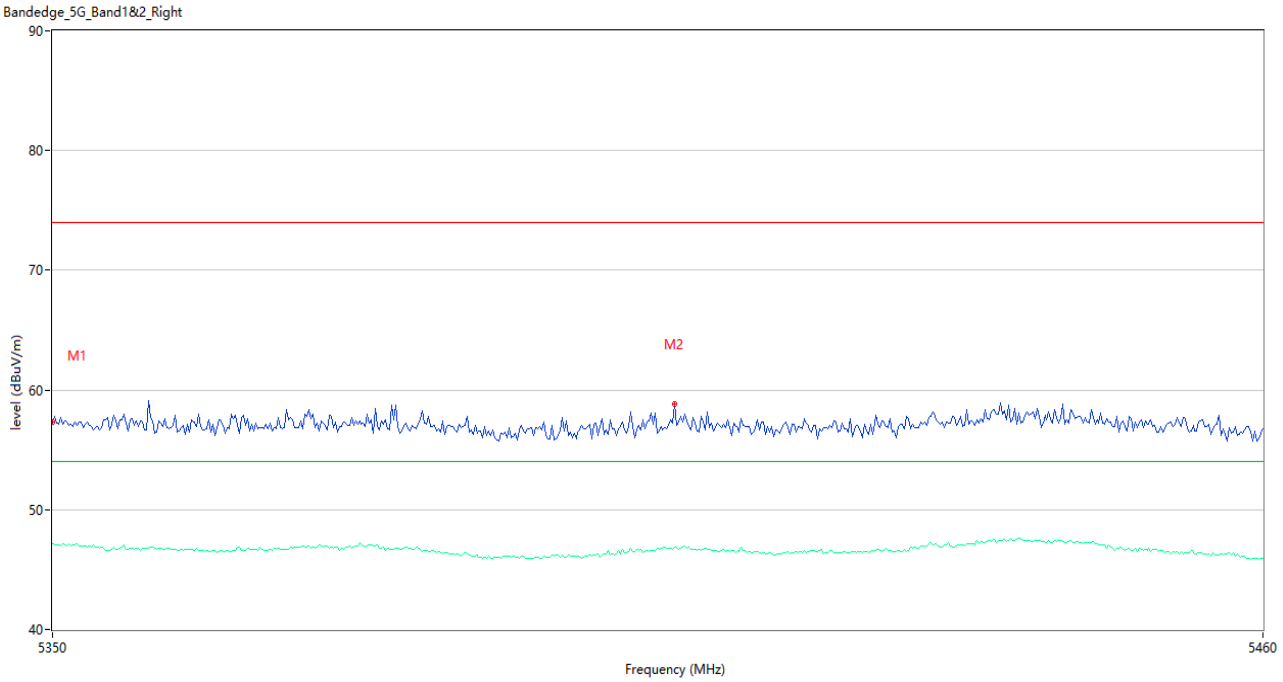
Test Data and Plots

U-NII-1 11a CH36



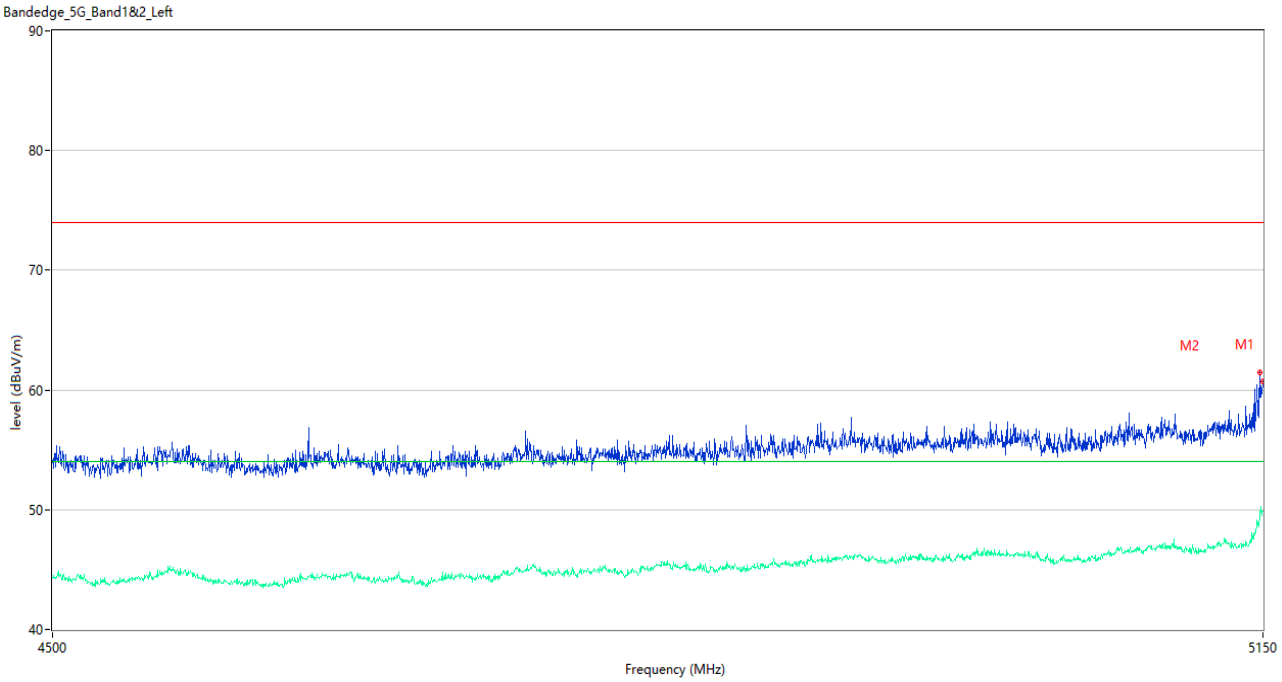
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	61.57	3.94	74.0	-12.43	Peak	317.00	150	Horizontal	Pass
1**	5150.000	49.77	3.94	54.0	-4.23	AV	317.00	150	Horizontal	Pass

U-NII-1 11a CH48



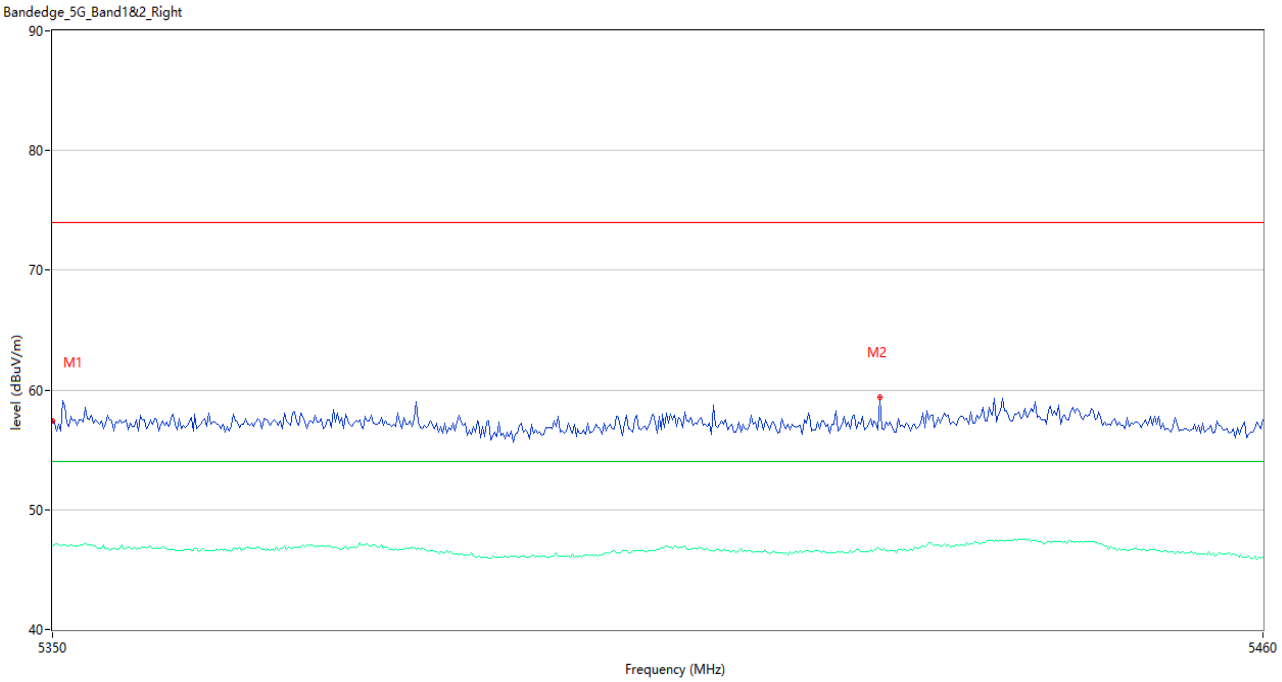
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.90	3.96	74.0	-17.10	Peak	250.00	150	Horizontal	Pass
1**	5350.000	46.87	3.96	54.0	-7.13	AV	250.00	150	Horizontal	Pass
2	5406.283	58.87	4.13	74.0	-15.13	Peak	277.00	150	Horizontal	Pass
2**	5406.283	46.89	4.13	54.0	-7.11	AV	277.00	150	Horizontal	Pass

U-NII-1 11n20 CH36



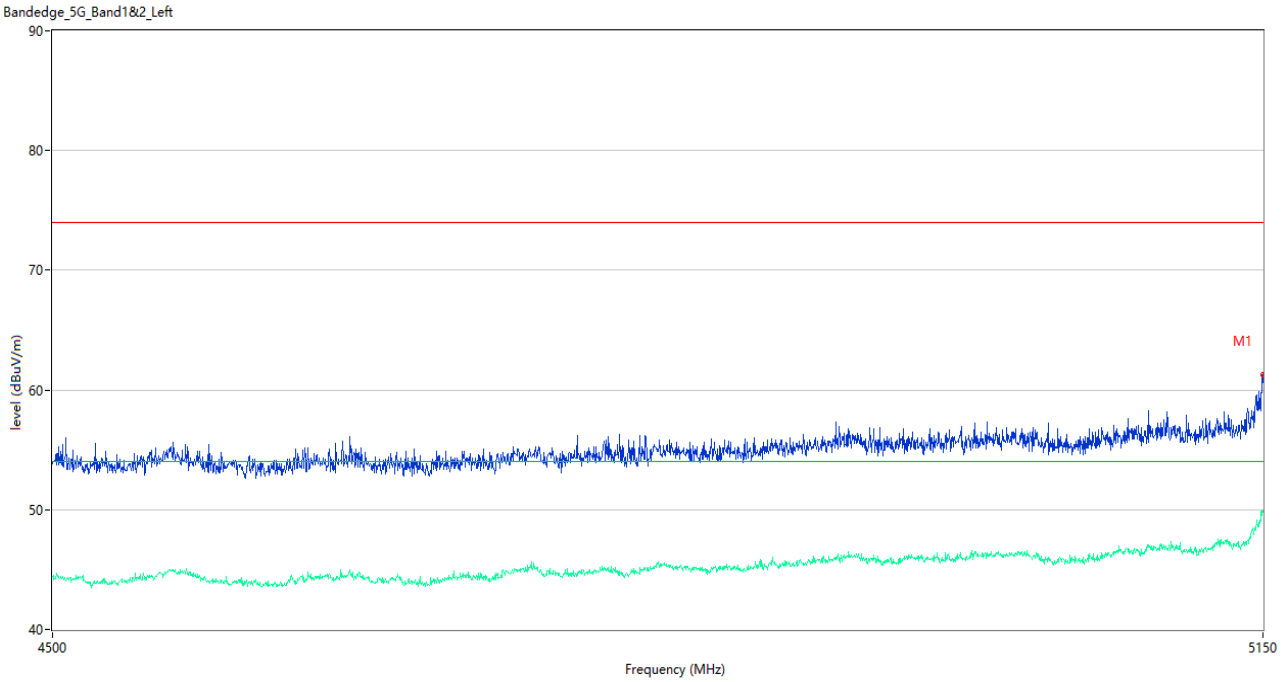
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	60.75	3.94	74.0	-13.25	Peak	312.00	150	Horizontal	Pass
1**	5150.000	49.87	3.94	54.0	-4.13	AV	312.00	150	Horizontal	Pass
2	5148.375	61.42	3.92	74.0	-12.58	Peak	125.00	150	Horizontal	Pass
2**	5148.375	49.54	3.92	54.0	-4.46	AV	125.00	150	Horizontal	Pass

U-NII-1 11n20 CH48



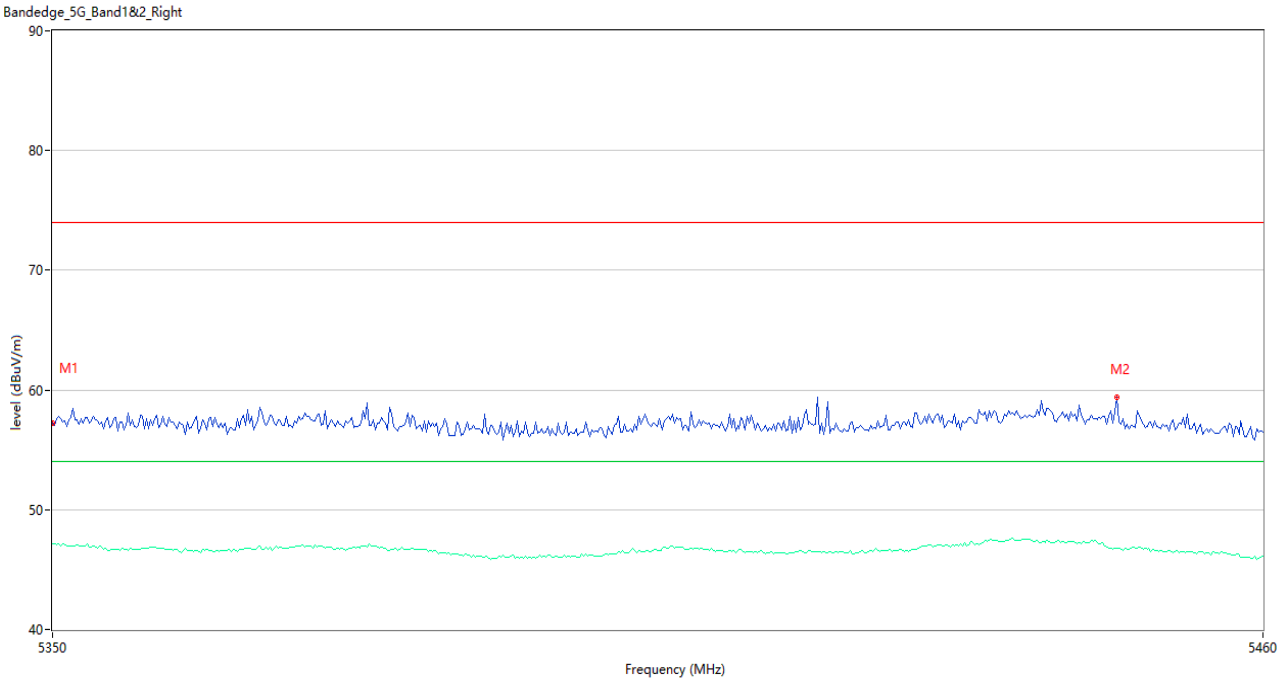
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.40	3.96	74.0	-16.60	Peak	204.00	150	Horizontal	Pass
1**	5350.000	46.96	3.96	54.0	-7.04	AV	204.00	150	Horizontal	Pass
2	5424.984	59.43	4.24	74.0	-14.57	Peak	53.00	150	Horizontal	Pass
2**	5424.984	46.64	4.24	54.0	-7.36	AV	53.00	150	Horizontal	Pass

U-NII-1 11n40 CH38



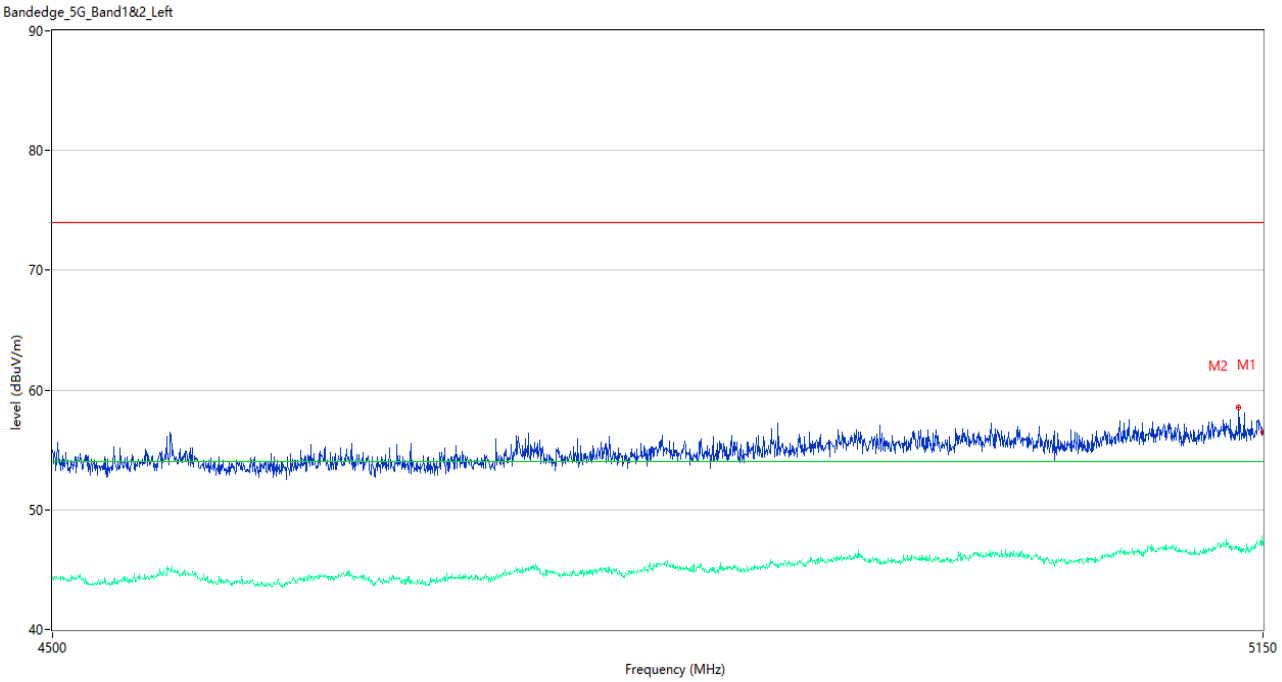
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	61.26	3.94	74.0	-12.74	Peak	113.00	150	Horizontal	Pass
1**	5150.000	49.93	3.94	54.0	-4.07	AV	113.00	150	Horizontal	Pass

U-NII-1 11n40 CH46



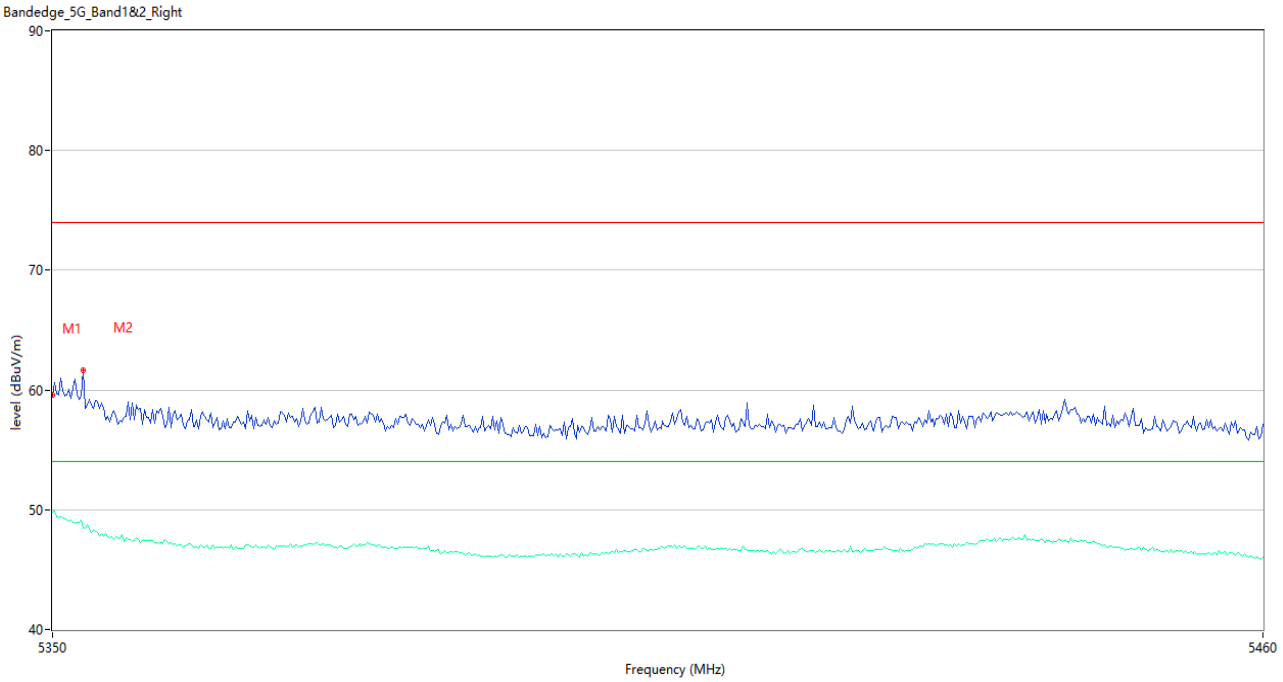
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.22	3.96	74.0	-16.78	Peak	208.00	150	Horizontal	Pass
1**	5350.000	46.94	3.96	54.0	-7.06	AV	208.00	150	Horizontal	Pass
2	5446.617	59.38	4.51	74.0	-14.62	Peak	214.00	150	Horizontal	Pass
2**	5446.617	46.76	4.51	54.0	-7.24	AV	214.00	150	Horizontal	Pass

U-NII-2A 11a CH52



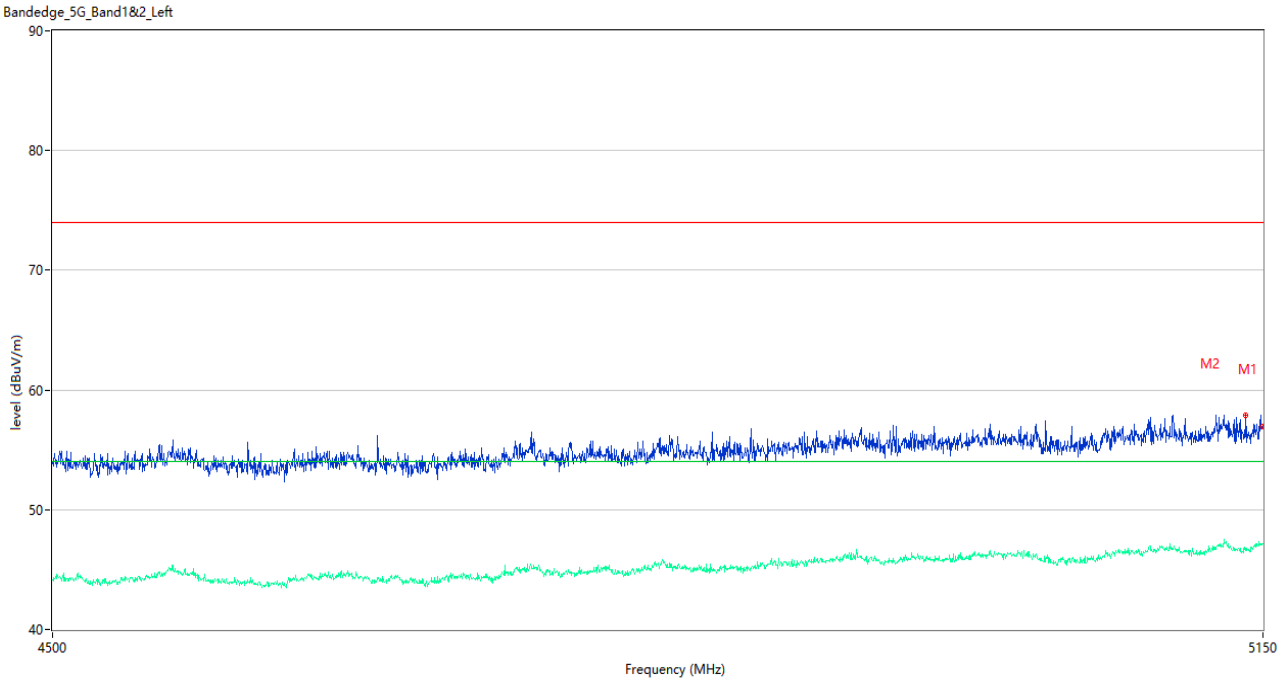
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.44	3.94	74.0	-17.56	Peak	34.00	150	Vertical	Pass
1**	5150.000	47.08	3.94	54.0	-6.92	AV	34.00	150	Vertical	Pass
2	5136.025	58.52	3.55	74.0	-15.48	Peak	186.00	150	Vertical	Pass
2**	5136.025	46.55	3.55	54.0	-7.45	AV	186.00	150	Vertical	Pass

U-NII-2A 11a CH64



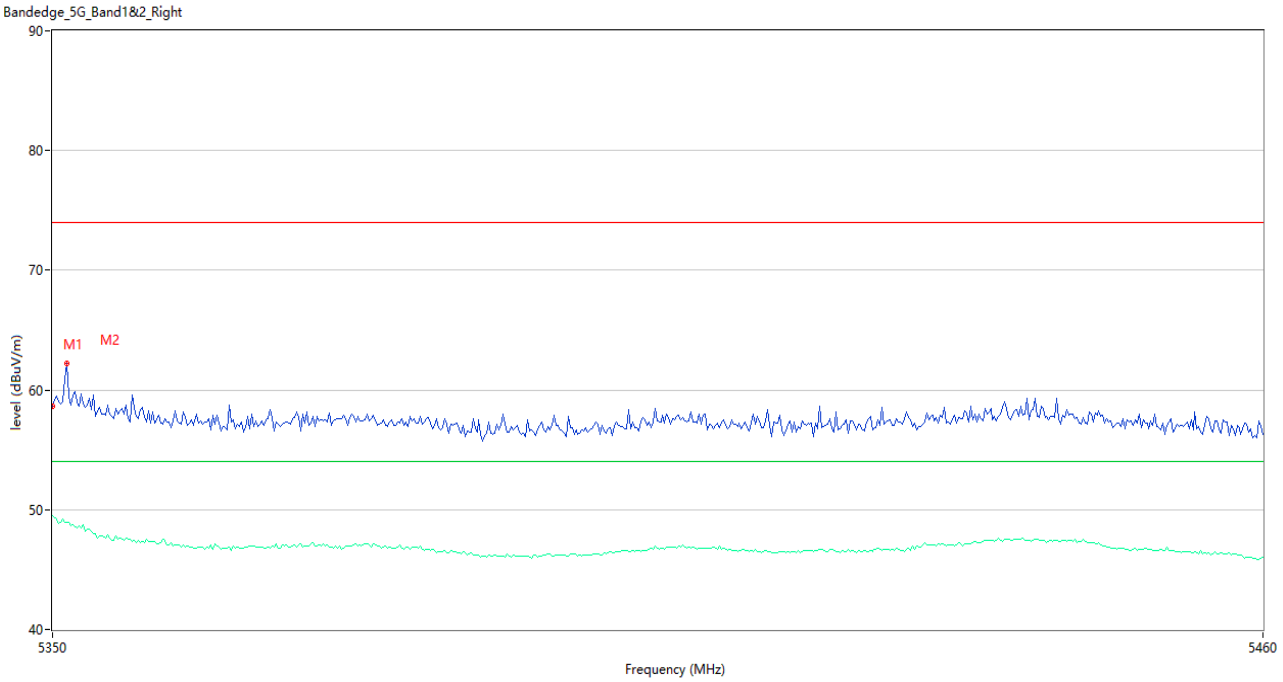
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	59.56	3.96	74.0	-14.44	Peak	142.00	150	Vertical	Pass
1**	5350.000	49.76	3.96	54.0	-4.24	AV	142.00	150	Vertical	Pass
2	5352.750	61.65	3.93	74.0	-12.35	Peak	144.00	150	Vertical	Pass
2**	5352.750	48.51	3.93	54.0	-5.49	AV	144.00	150	Vertical	Pass

U-NII-2A 11n20 CH52



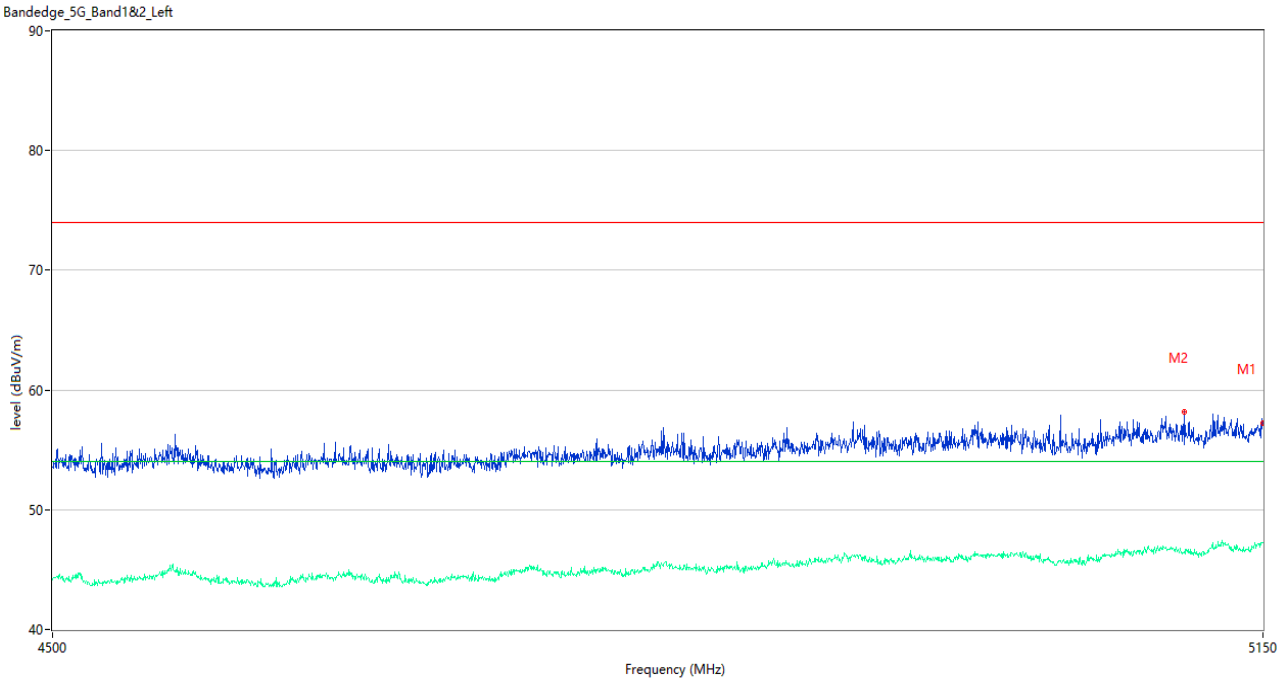
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.99	3.94	74.0	-17.01	Peak	314.00	150	Vertical	Pass
1**	5150.000	47.11	3.94	54.0	-6.89	AV	314.00	150	Vertical	Pass
2	5140.250	57.90	3.54	74.0	-16.10	Peak	64.00	150	Vertical	Pass
2**	5140.250	46.79	3.54	54.0	-7.21	AV	64.00	150	Vertical	Pass

U-NII-2A 11n20 CH64



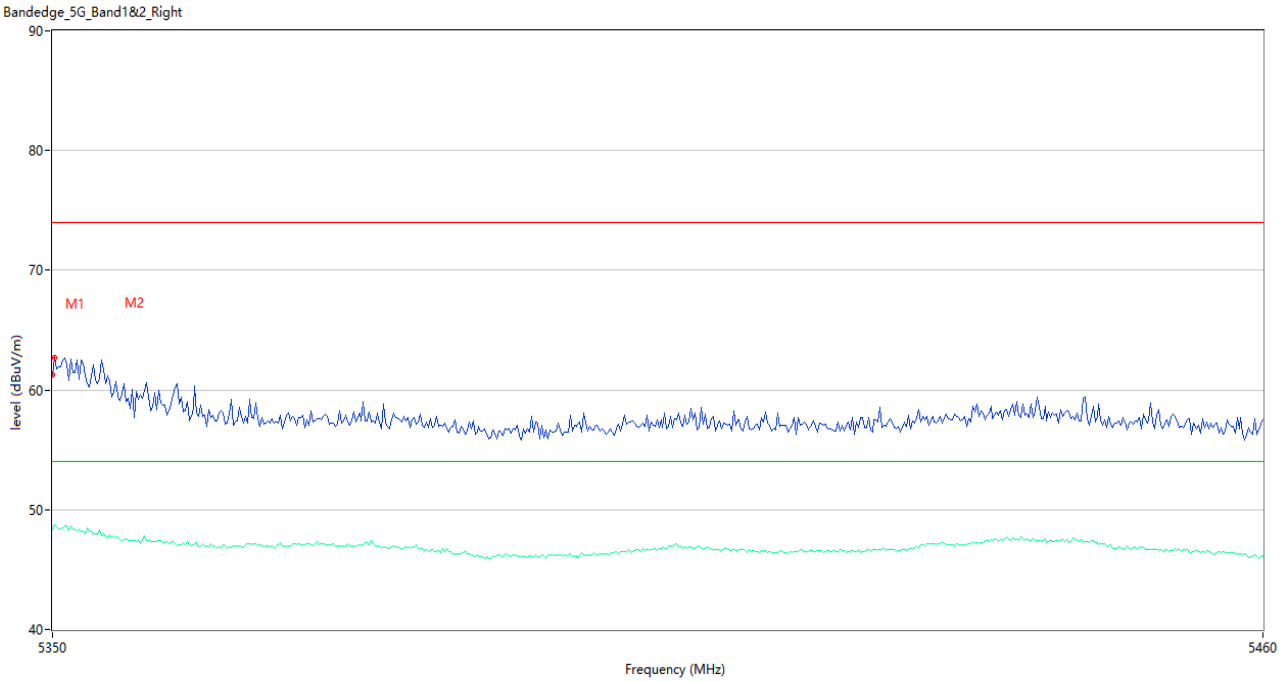
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	58.61	3.96	74.0	-15.39	Peak	84.00	150	Vertical	Pass
1**	5350.000	48.69	3.96	54.0	-5.31	AV	84.00	150	Vertical	Pass
2	5351.283	62.26	3.94	74.0	-11.74	Peak	194.00	150	Vertical	Pass
2**	5351.283	48.94	3.94	54.0	-5.06	AV	194.00	150	Vertical	Pass

U-NII-2A 11n40 CH54



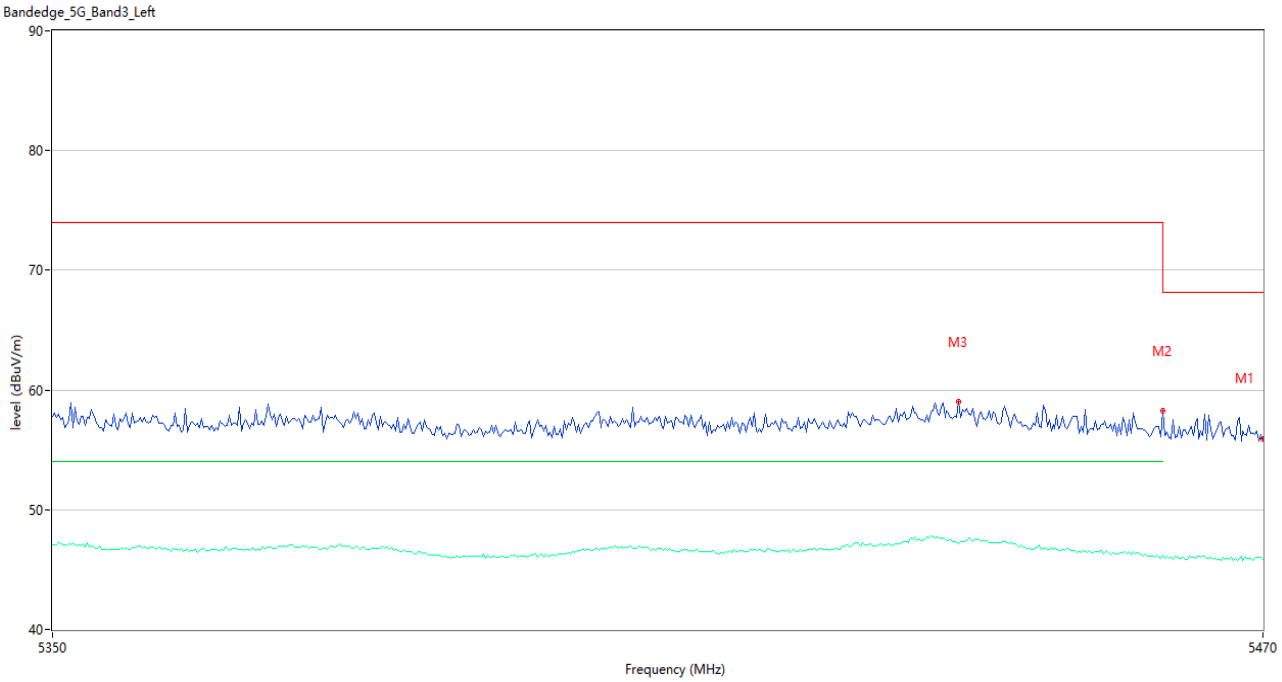
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	57.23	3.94	74.0	-16.77	Peak	173.00	150	Vertical	Pass
1**	5150.000	47.22	3.94	54.0	-6.78	AV	173.00	150	Vertical	Pass
2	5105.150	58.21	4.00	74.0	-15.79	Peak	115.00	150	Vertical	Pass
2**	5105.150	46.49	4.00	54.0	-7.51	AV	115.00	150	Vertical	Pass

U-NII-2A 11n40 CH62



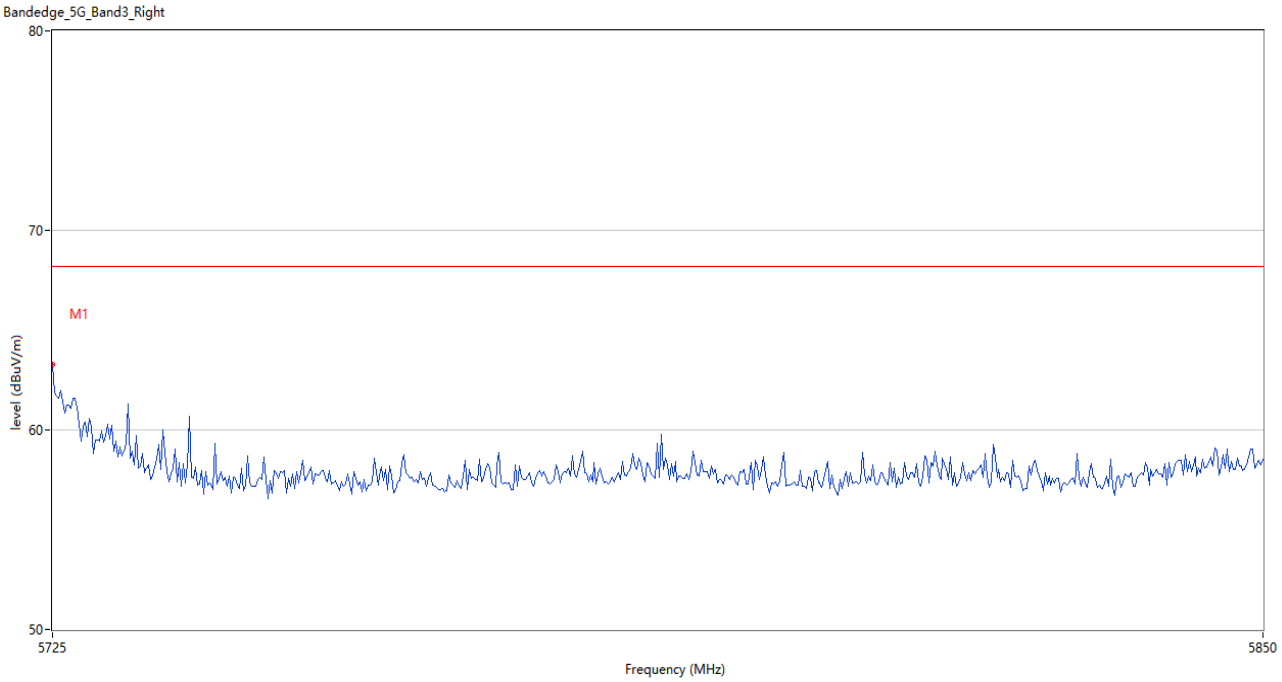
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	61.32	3.96	74.0	-12.68	Peak	198.00	150	Vertical	Pass
1**	5350.000	48.34	3.96	54.0	-5.66	AV	198.00	150	Vertical	Pass
2	5350.183	62.72	3.96	74.0	-11.28	Peak	140.00	150	Vertical	Pass
2**	5350.183	48.72	3.96	54.0	-5.28	AV	140.00	150	Vertical	Pass

U-NII-2C 11a CH100



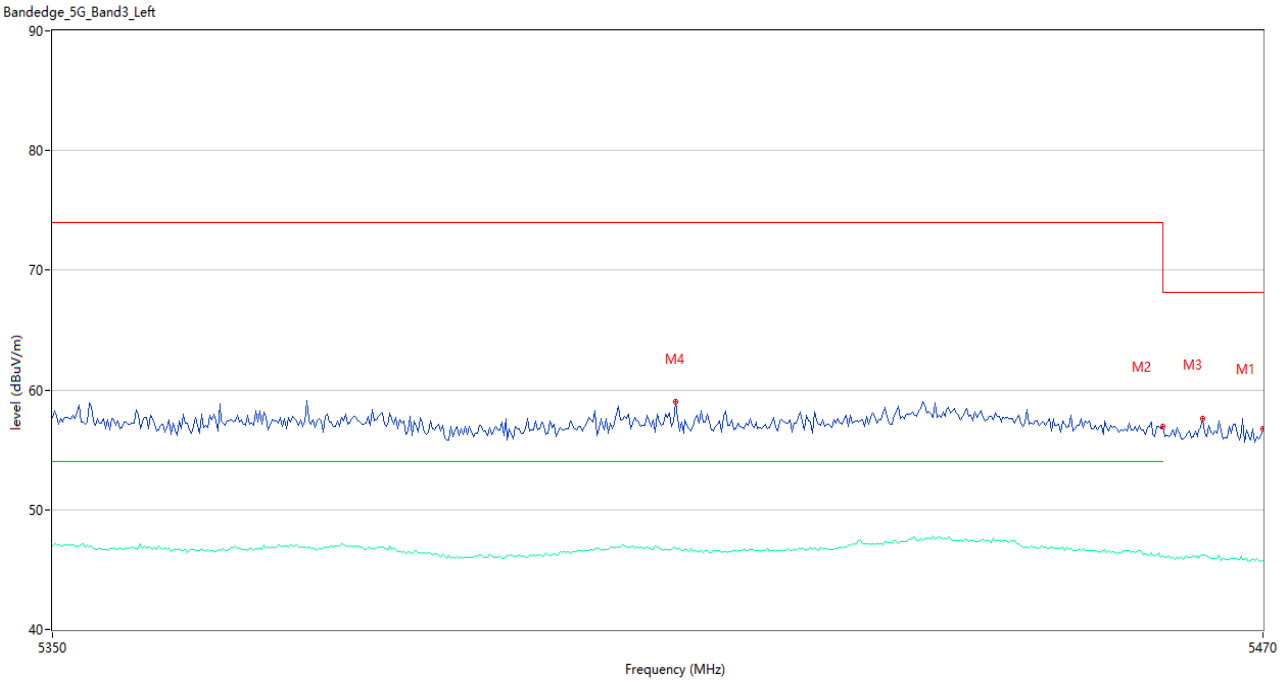
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	55.88	3.80	68.2	-12.32	Peak	314.00	150	Vertical	Pass
1**	5470.000	45.88	3.80	--	--	AV	314.00	150	Vertical	N/A
2	5460.000	58.30	4.23	74.0	-15.70	Peak	295.00	150	Vertical	Pass
2**	5460.000	46.20	4.23	54.0	-7.80	AV	295.00	150	Vertical	Pass
3	5439.600	59.03	4.97	74.0	-14.97	Peak	230.00	150	Vertical	Pass
3**	5439.600	47.20	4.97	54.0	-6.80	AV	230.00	150	Vertical	Pass

U-NII-2C 11a CH140



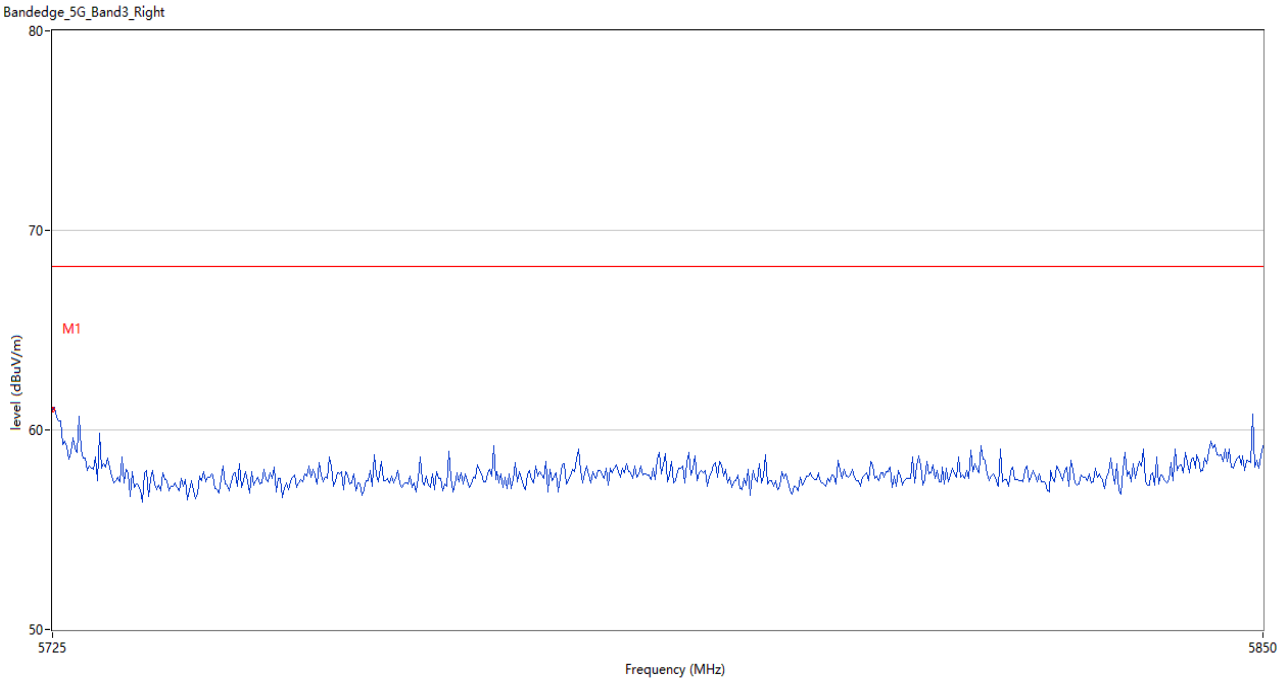
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	63.29	4.45	68.2	-4.91	Peak	182.00	150	Vertical	Pass

U-NII-2C 11n20 CH100



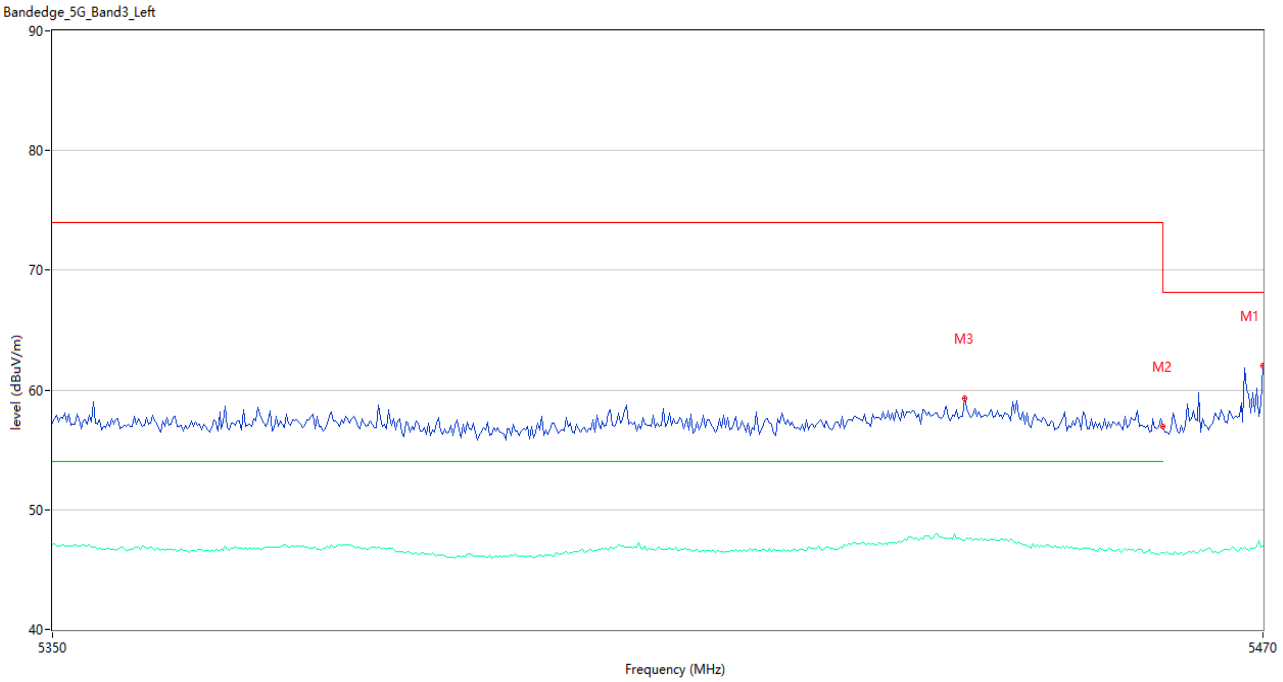
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	56.81	3.80	68.2	-11.39	Peak	305.00	150	Vertical	Pass
1**	5470.000	45.74	3.80	--	--	AV	305.00	150	Vertical	N/A
2	5460.000	56.92	4.23	74.0	-17.08	Peak	360.00	150	Vertical	Pass
2**	5460.000	46.16	4.23	54.0	-7.84	AV	360.00	150	Vertical	Pass
3	5464.000	57.58	4.19	68.2	-10.62	Peak	128.00	150	Vertical	Pass
3**	5464.000	46.23	4.19	--	--	AV	128.00	150	Vertical	N/A
4	5411.400	58.98	3.89	74.0	-15.02	Peak	192.00	150	Vertical	Pass
4**	5411.400	46.75	3.89	54.0	-7.25	AV	192.00	150	Vertical	Pass

U-NII-2C 11n20 CH140



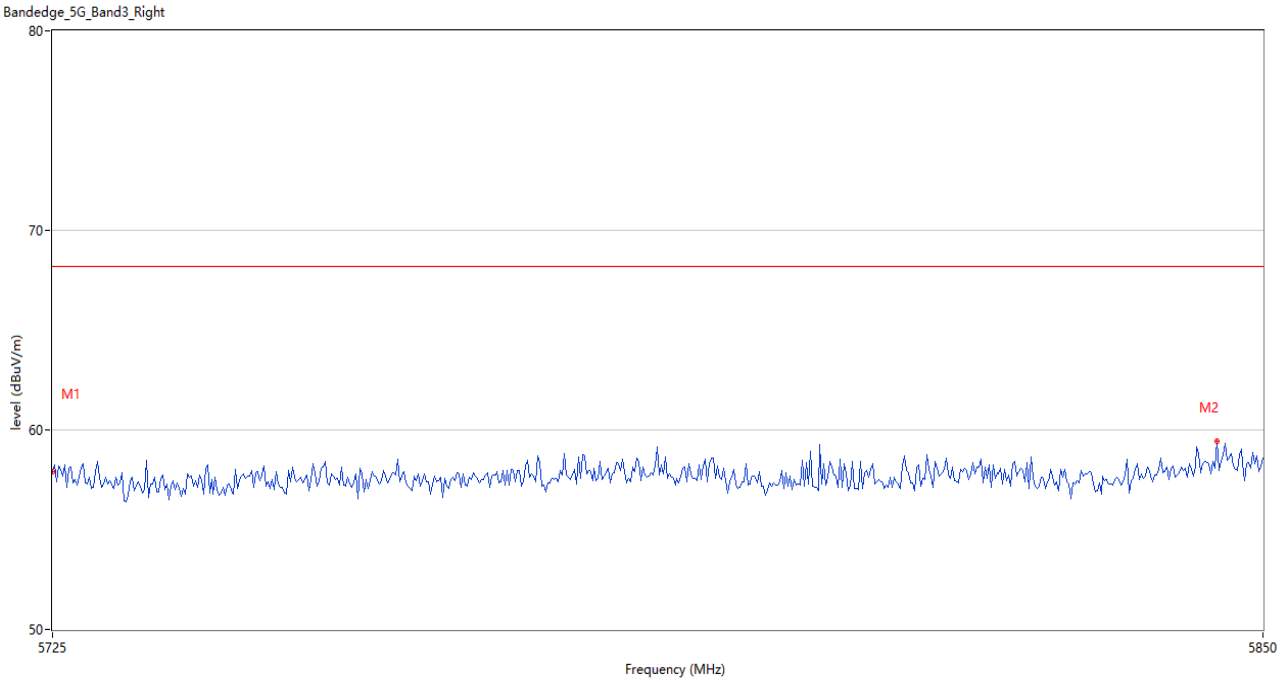
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	61.03	4.45	68.2	-7.17	Peak	175.00	150	Vertical	Pass

U-NII-2C 11n40 CH102



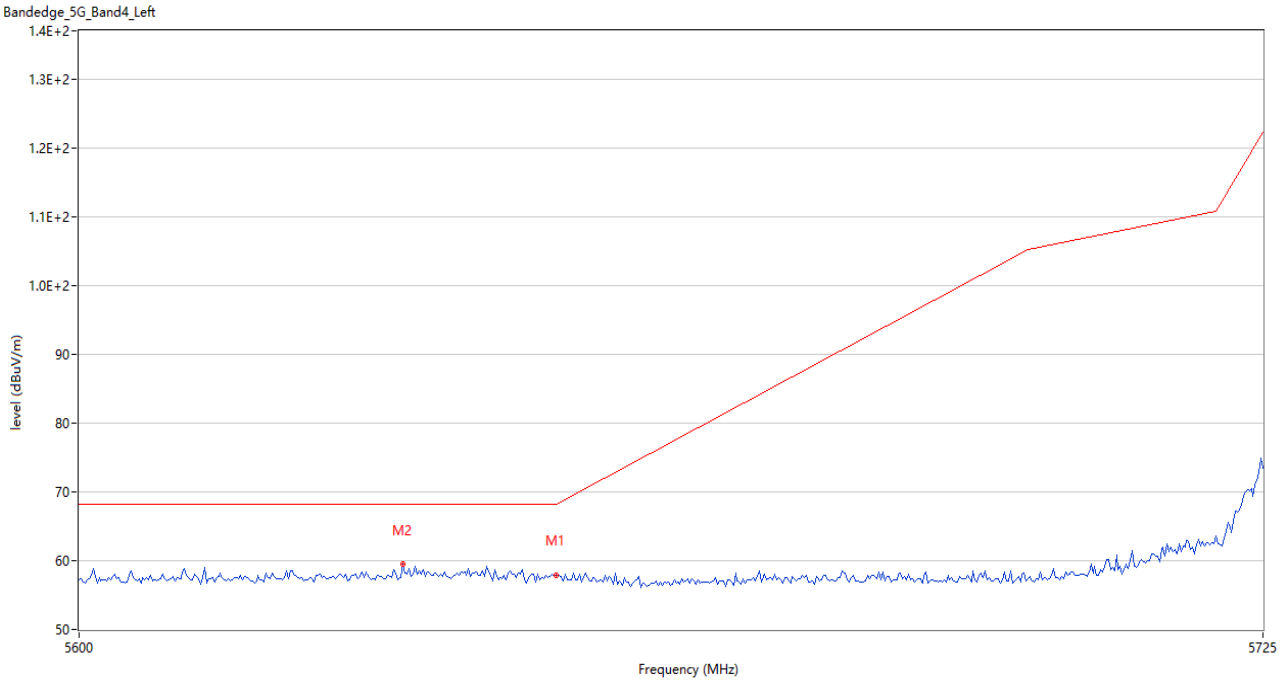
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	61.99	3.80	68.2	-6.21	Peak	269.00	150	Vertical	Pass
1**	5470.000	46.94	3.80	--	--	AV	269.00	150	Vertical	N/A
2	5460.000	56.63	4.23	74.0	-17.37	Peak	142.00	150	Vertical	Pass
2**	5460.000	46.37	4.23	54.0	-7.63	AV	142.00	150	Vertical	Pass
3	5440.200	59.30	4.93	74.0	-14.70	Peak	160.00	150	Vertical	Pass
3**	5440.200	47.45	4.93	54.0	-6.55	AV	160.00	150	Vertical	Pass

U-NII-2C 11n40 CH134



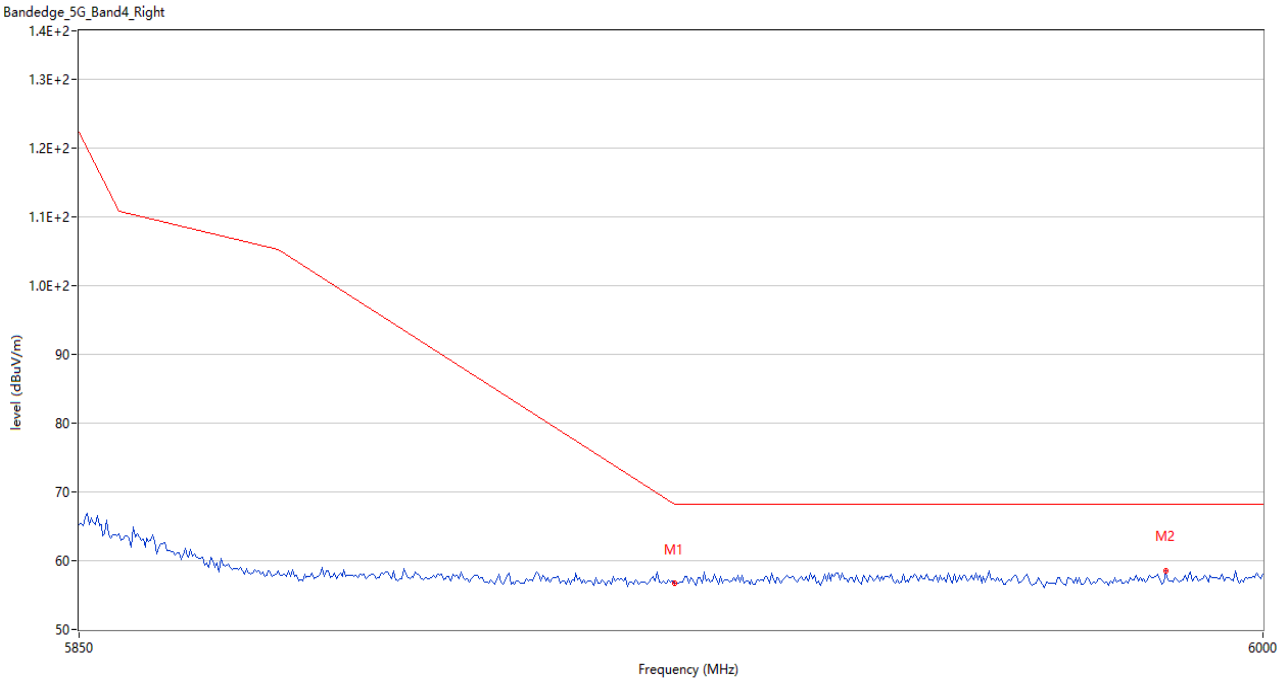
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	57.93	4.45	68.2	-10.27	Peak	194.00	150	Vertical	Pass
2	5845.209	59.42	5.78	68.2	-8.78	Peak	54.00	150	Vertical	Pass

U-NII-3 11a CH149



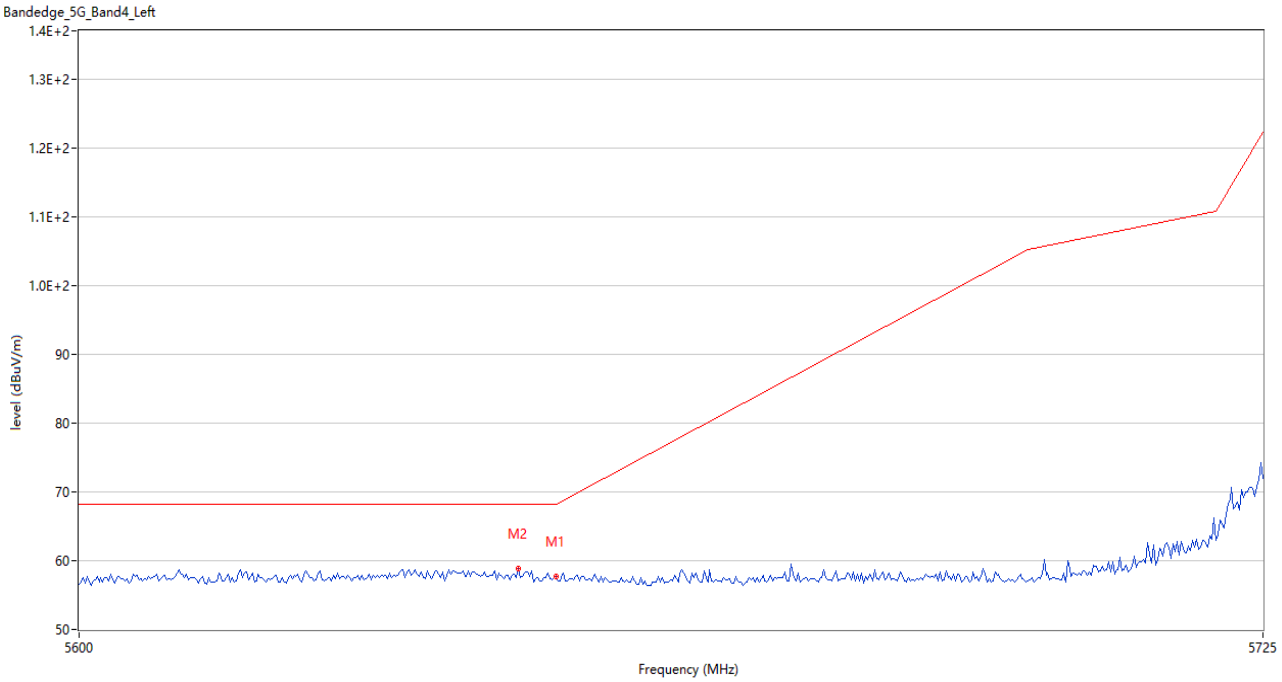
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	57.92	4.91	68.2	-10.28	Peak	192.00	150	Vertical	Pass
2	5633.958	59.43	5.40	68.2	-8.77	Peak	0.00	150	Vertical	Pass

U-NII-3 11a CH165



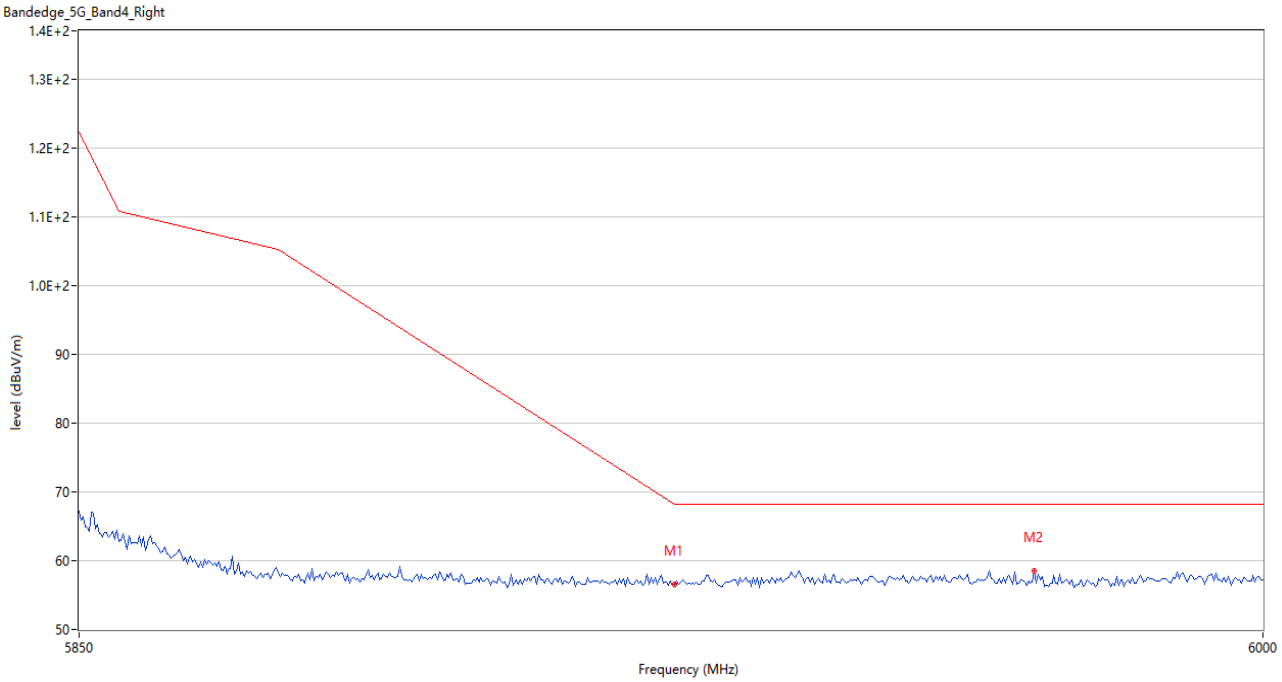
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	56.65	4.25	68.2	-11.55	Peak	311.00	150	Vertical	Pass
2	5987.500	58.54	5.02	68.2	-9.66	Peak	193.00	150	Vertical	Pass

U-NII-3 11n20 CH149



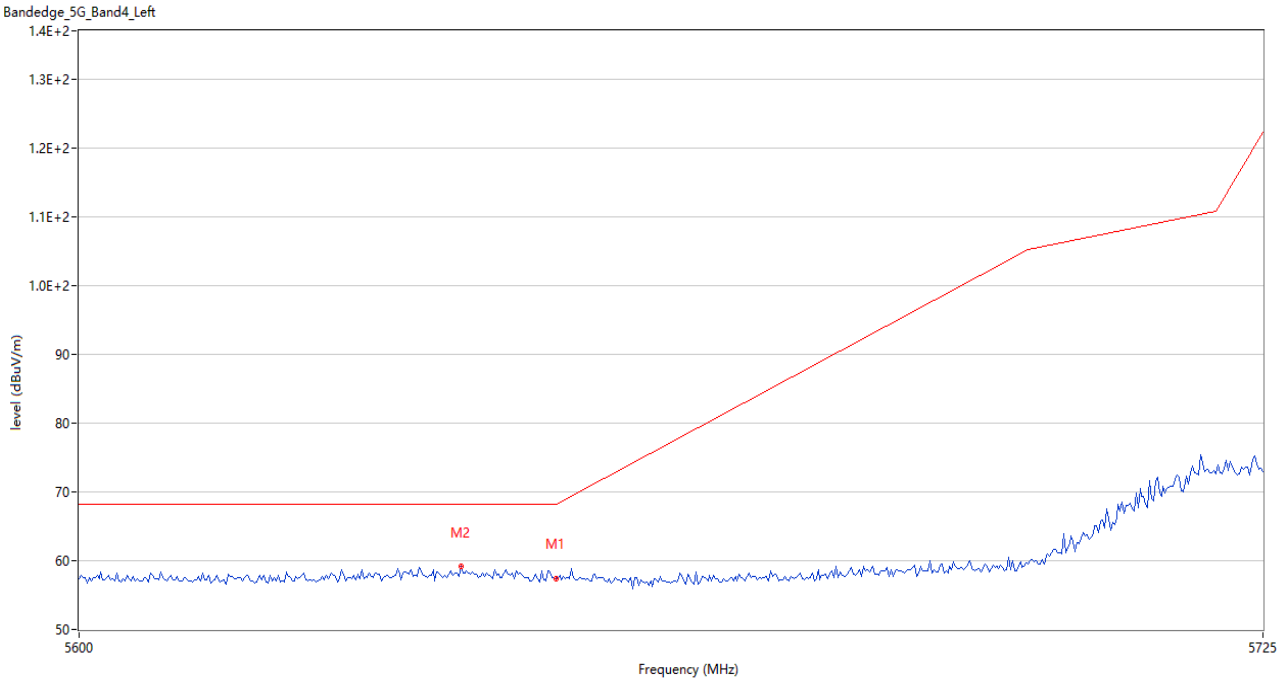
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	57.70	4.91	68.2	-10.50	Peak	81.00	150	Vertical	Pass
2	5646.042	58.78	5.11	68.2	-9.42	Peak	265.00	150	Vertical	Pass

U-NII-3 11n20 CH165



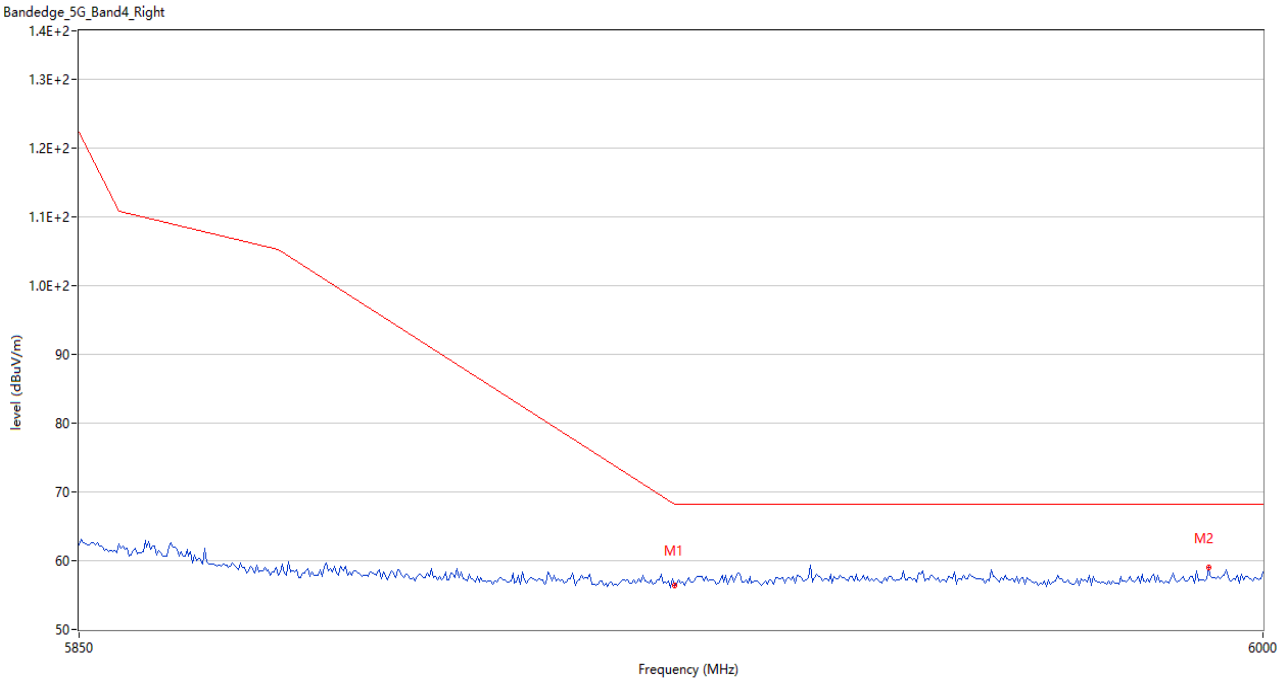
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	56.51	4.25	68.2	-11.69	Peak	79.00	150	Vertical	Pass
2	5970.750	58.45	4.58	68.2	-9.75	Peak	23.00	150	Vertical	Pass

U-NII-3 11n40 CH151



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	57.42	4.91	68.2	-10.78	Peak	226.00	150	Vertical	Pass
2	5640.000	59.14	5.39	68.2	-9.06	Peak	337.00	150	Vertical	Pass

U-NII-3 11n40 CH159



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	56.28	4.25	68.2	-11.92	Peak	287.00	150	Vertical	Pass
2	5993.000	58.95	5.26	68.2	-9.25	Peak	139.00	150	Vertical	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2230024-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2230024-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2230024-AI.PDF”.

Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
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