RF TEST REPORT

ISSUED BY
Shenzhen BALUN Technology Co., Ltd.

FOR

UHF Mobile RFID Reader

ISSUED TO
Megabyte Limited

Units 507, 5/F, Building 12W, No. 12 Science Park West Avenue, Hong Kong Science Park, Shatin, Hong Kong

Tested by: Ye Hongji
Date Sep. 15, 2021

Approved by: Liao Jianming
(Technical Director)
Date Sep. 15, 2021

Report No.:	BL-SZ2160937-604
EUT Name:	UHF Mobile RFID Reader
Model Name:	MTRAY-F1-39-BW
Brand Name:	Myndar
Test Standard:	47 CFR Part 15 Subpart E (refer section 3.1)
FCC ID:	XEK-MTRAYF139
Test Conclusion:	Pass
Test Date:	Jul. 07, 2021 ~ Sep. 02, 2021
Date of Issue:	Sep. 15, 2021

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Revision History

Version	Issue Date	Revisions Content
Rev. 01	Aug. 16, 2021	Initial Issue
Rev. 02	Aug. 30, 2021	Updated Section 2.7 Channel List
Rev. 03	Sep. 15, 2021	Add U-NII-2A & U-NII-2C related information and test data

TABLE OF CONTENTS

1 ADMINISTRATIVE DATA (GENERAL INFORMATION)

1.1 Identification of the Testing Laboratory

Company Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. 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, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.
Description	All measurement facilities used to collect the measurement data are located at Block B, FL 1, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China 518055

1.3 Laboratory Condition

Ambient Temperature	20℃ to 25℃
Ambient Relative Humidity	45% to 55%
Ambient Pressure	100 kPa to 102 kPa

1.4 Announce

(1) The test report reference to the report template version v4.4.

(2) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.

(3) The test report is invalid if there is any evidence and/or falsification.

(4) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.

(5) This document may not be altered or revised in any way unless done so by BALUN and all revisions are duly noted in the revisions section.

(6) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.

(7) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

2 PRODUCT INFORMATION

2.1 Applicant

Applicant	Megabyte Limited
Address	Units 507, 5/F, Building 12W, No. 12 Science Park West Avenue, Hong Kong Science Park, Shatin, Hong Kong

2.2 Manufacturer

Manufacturer	N/A
Address	N/A

2.3 Factory

Factory	N/A
Address	N/A

2.4 General Description for Equipment under Test (EUT)

EUT Name	UHF Mobile RFID Reader
Model Name Under Test	MTRAY-F1-39-BW
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.5 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n U-NII-1/2A/2C/3 RFID

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	Portable for FCC standard
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	U-NII-1: 18.41 dBm U-NII-2A: 18.41 dBm U-NII-2C: 18.07 dBm U-NII-3: 18.26 dBm
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	PIFA Antenna
Antenna Gain	4.0 dBi (In test items related to antenna gain, the final results reflect this figure. This value is provided by the applicant.)
About the Product	The equipment is UHF Mobile RFID Reader, intended for used with information technology equipment.

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	Tera Term VT		
Support Units (Software installation media)	Description	Manufacturer	Model
	Notebook	Lenovo	X220

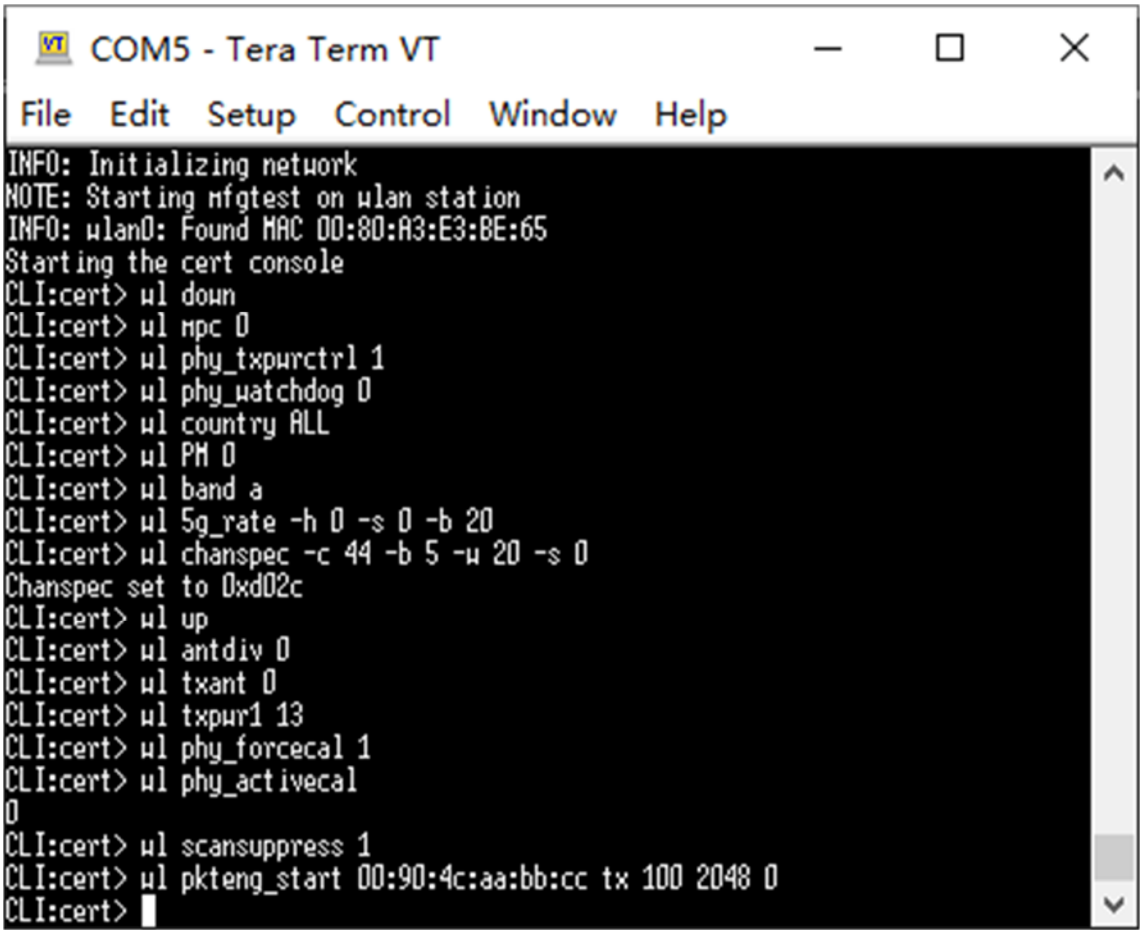
U-NII-1 (5150 - 5250 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH36	5180	12.5
11a	CH44	5220	13.0
11a	CH48	5240	13.0
11n (HT20)	CH36	5180	12.5
11n (HT20)	CH44	5220	13.0
11n (HT20)	CH48	5240	13.0
11n (HT40)	CH38	5190	9.0
11n (HT40)	CH46	5230	12.0

U-NII-2A (5250 - 5350 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH52	5260	13.0
11a	CH60	5300	13.0
11a	CH64	5320	13.0
11n (HT20)	CH52	5260	13.0
11n (HT20)	CH60	5300	13.0
11n (HT20)	CH64	5320	13.0
11n (HT40)	CH54	5270	13.0
11n (HT40)	CH62	5310	13.0

U-NII-2C (5470 - 5725 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH100	5500	13.0
11a	CH116	5580	13.0
11a	CH140	5700	13.0
11n (HT20)	CH100	5500	13.0
11n (HT20)	CH116	5580	13.0
11n (HT20)	CH140	5700	13.0
11n (HT40)	CH102	5510	13.0
11n (HT40)	CH118	5590	13.0
11n (HT40)	CH134	5670	13.0

U-NII-3 (5725 - 5850 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH149	5745	13.0
11a	CH157	5785	13.0
11a	CH165	5825	13.0
11n (HT20)	CH149	5745	13.0
11n (HT20)	CH157	5785	13.0
11n (HT20)	CH165	5825	13.0
11n (HT40)	CH151	5755	13.0
11n (HT40)	CH159	5795	13.0

Run Software:



2.7 Channel List

20 MHz		40 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	**5180**	**38**	**5190**
40	5200	**46**	**5230**
44	**5220**	**54**	**5270**
48	**5240**	**62**	**5310**
52	**5260**	**102**	**5510**
56	5280	110	5550
60	**5300**	**134**	**5670**
64	**5320**	**151**	**5755**
100	**5500**	**159**	**5795**
104	5520		
108	5540		
112	5560		
116	**5580**		
132	5660		
136	5680		
140	**5700**		
149	**5745**		
153	5765		
157	**5785**		
161	5805		
165	**5825**		

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

For 802.11a/n(HT20)

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	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

3.2 Verdict

No.	Description	FCC Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	--	Pass Note1
2	RF Output Power	15.407(a)	ANNEX A.1	Pass Note4
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	ANNEX A.2	Pass Note4
4	6 dB bandwidth	15.407(e)	ANNEX A.3	Pass Note4
5	Power Spectral Density	15.407(a)	ANNEX A.4	Pass Note4
6	Conducted Emission	15.207	ANNEX A.5	Pass
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	ANNEX A.6	Pass
8	Receiver Spurious Emissions	--	--	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]: The RF module(FCC ID: R68XPICO200) installed in the EUT is electronically and mechanically identical to the original certified module in the test report No.RF170513E01-1, which issued by Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory on Oct. 02, 2017, so just radiation test of Conducted Emission & Radiated Spurious Emissions and Band Edge (Restricted-band) were retested in this report. Other test items please refer to the report No.RF170513E01-1, which issued by Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory on Oct. 02, 2017.

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℃
	LT (Low Temperature)	Note
	HT (High Temperature)	Note
Working Voltage of the EUT	NV (Normal Voltage)	3.7 V
	LV (Low Voltage)	Note
	HV (High Voltage)	Note

Note: The extreme test conditions please refer to the Report No.RF170513E01, which issued by Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory on Oct. 02, 2017.

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2021.04.01	2022.03.31
Bluetooth Signaling Unit	ROHDE&SCHWARZ	CMW500	142028	2021.06.01	2022.05.31
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-30	103118	2021.06.01	2022.05.31
Vector Signal Generator	ROHDE&SCHWARZ	SMBV100A	260592	2021.01.27	2022.01.26
Signal Generator	ROHDE&SCHWARZ	SMB100A	177746	2021.06.01	2022.05.31
Switch Unit with OSP-B157	ROHDE&SCHWARZ	OSP120	101270	2021.06.01	2022.05.31
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2021.06.01	2022.05.31
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2021.06.01	2022.05.31
LISN	SCHWARZBECK	NSLK 8127	8127-687	2021.06.01	2022.05.31
Test Antenna-Loop(9 kHz-30 MHz)	SCHWARZBECK	FMZB 1519	1519-037	2019.10.29	2021.10.28
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	2019.07.02	2022.07.01
Test Antenna-Horn (18-40 GHz)	A-INFO	LB-180400KF	J211060273	2021.01.05	2023.01.04
Anechoic Chamber	RAINFORD	9m*6m*6m	N/A	2017.02.21	2022.02.20
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60 *7.35m	N/A	2019.08.08	2022.08.07
Shielded Enclosure	ChangNing	CN-130701	130703	--	--

4.3 Measurement Uncertainty

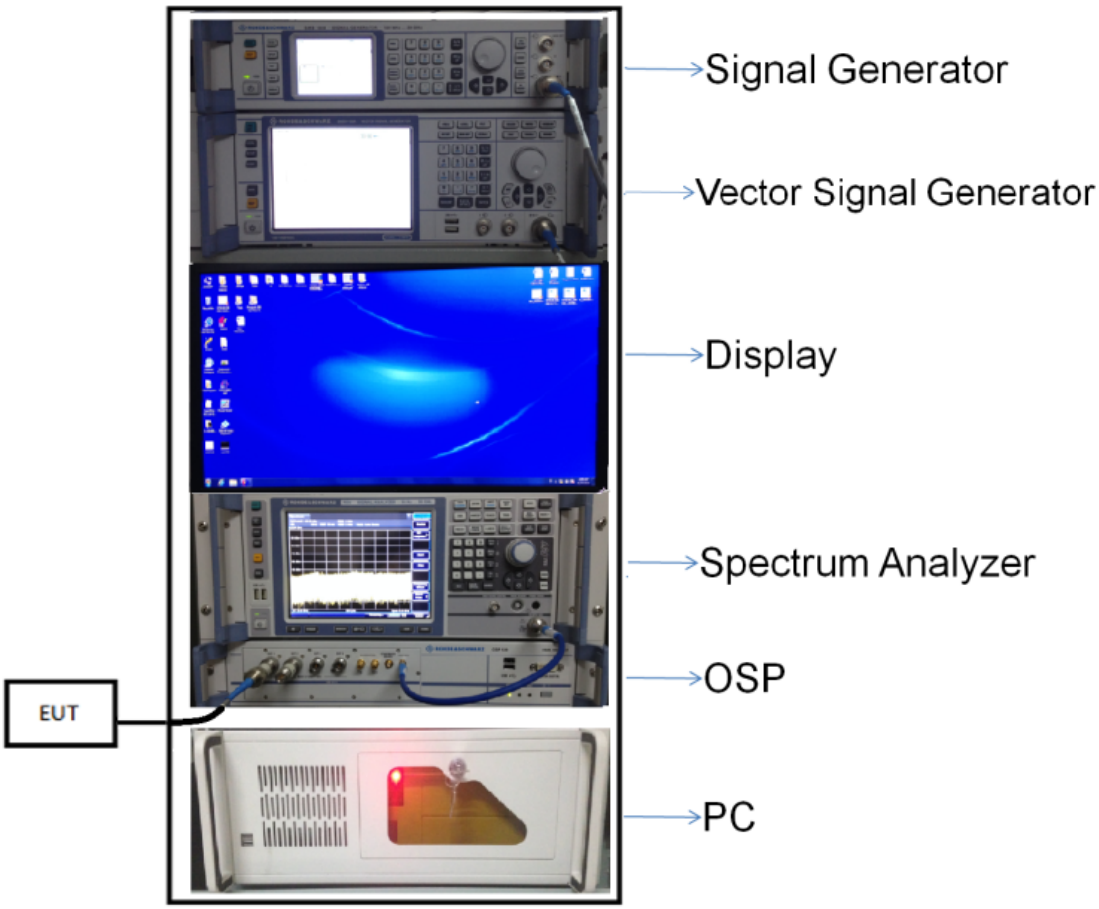
The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

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%

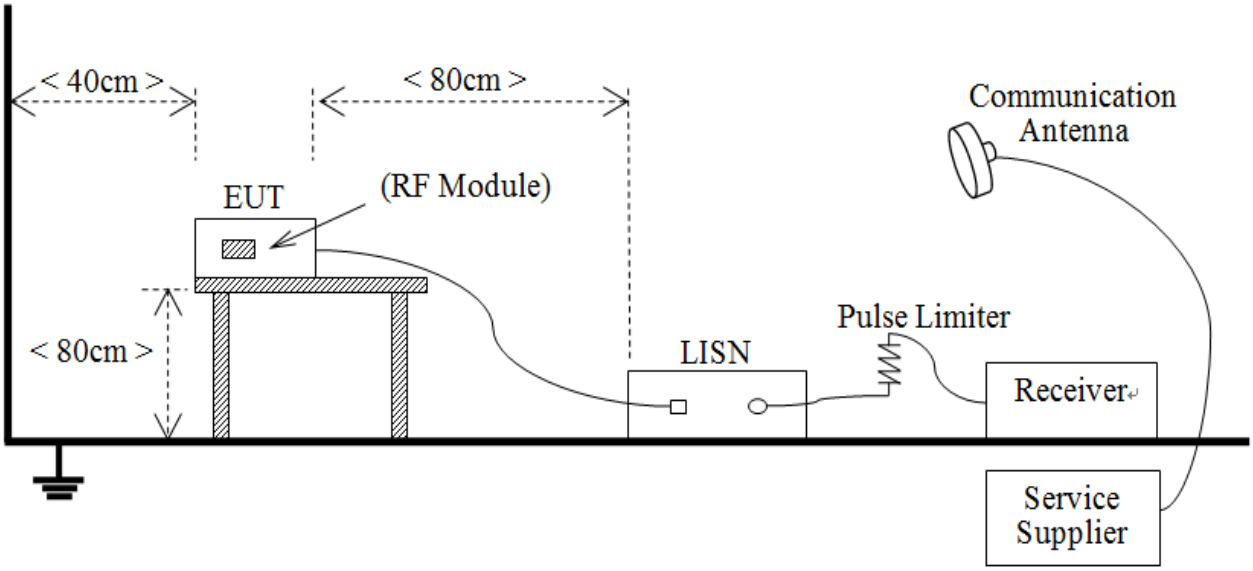
4.4 Description of Test Setup

4.4.1 For Antenna Port Test



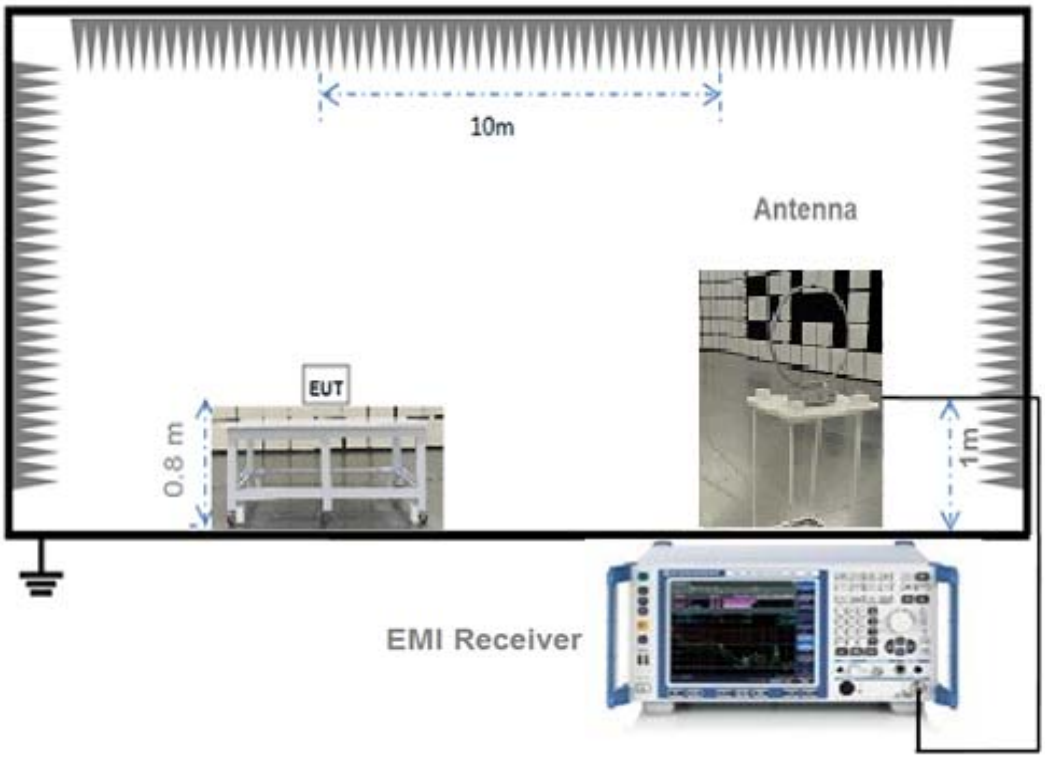
(Diagram 1)

4.4.2 For AC Power Supply Port Test



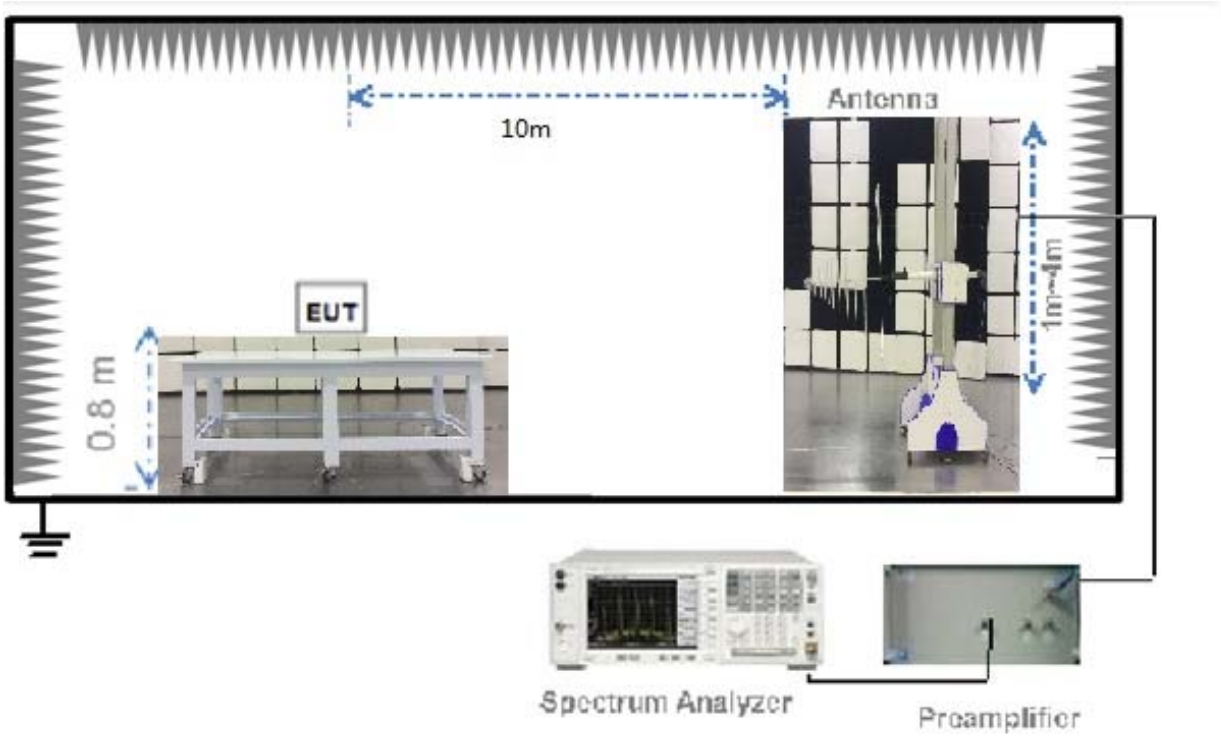
(Diagram 2)

4.4.3 For Radiated Test (Below 30 MHz)



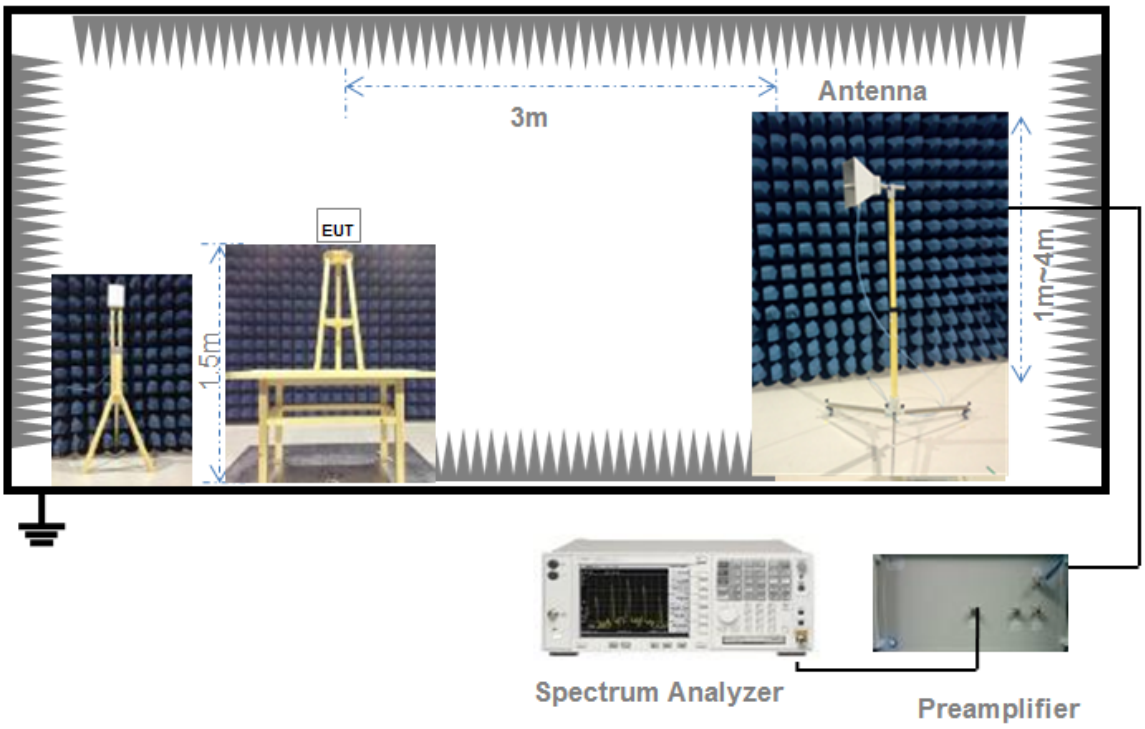
(Diagram 3)

4.4.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.4.5 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 4.4.1 (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 4.4.1 (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 4.4.1 (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 4.4.2 (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.

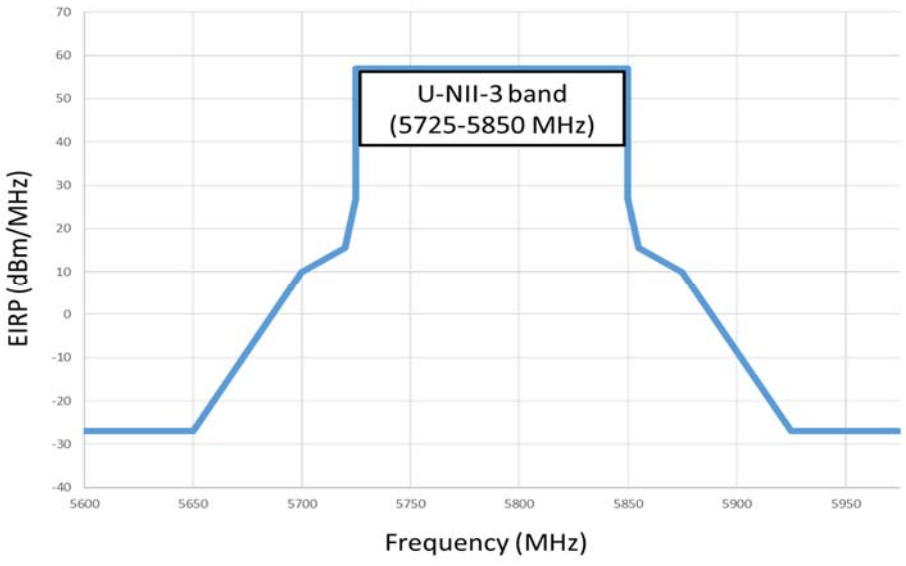
5.5 Radiated Spurious Emissions and Band Edge (Restricted-band)

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 4.4.3-4.4.5 (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

Note: The RF Output Power please refer to the Report No.RF170513E01-1, which issued by Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory on Oct. 02, 2017, **Section 4.3 Transmit Power Measurement.**

A.2 Emission Bandwidth & 99% Bandwidth

Note: The Emission Bandwidth & 99% Bandwidth please refer to the Report No.RF170513E01-1, which issued by Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory on Oct. 02, 2017, **Section 4.4 Occupied Bandwidth Measurement.**

A.3 6 dB Bandwidth

Note: The 6 dB Bandwidth please refer to the Report No.RF170513E01-1, which issued by Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory on Oct. 02, 2017, **Section 4.7 6 dB Bandwidth Measurement.**

A.4 Power Spectral Density

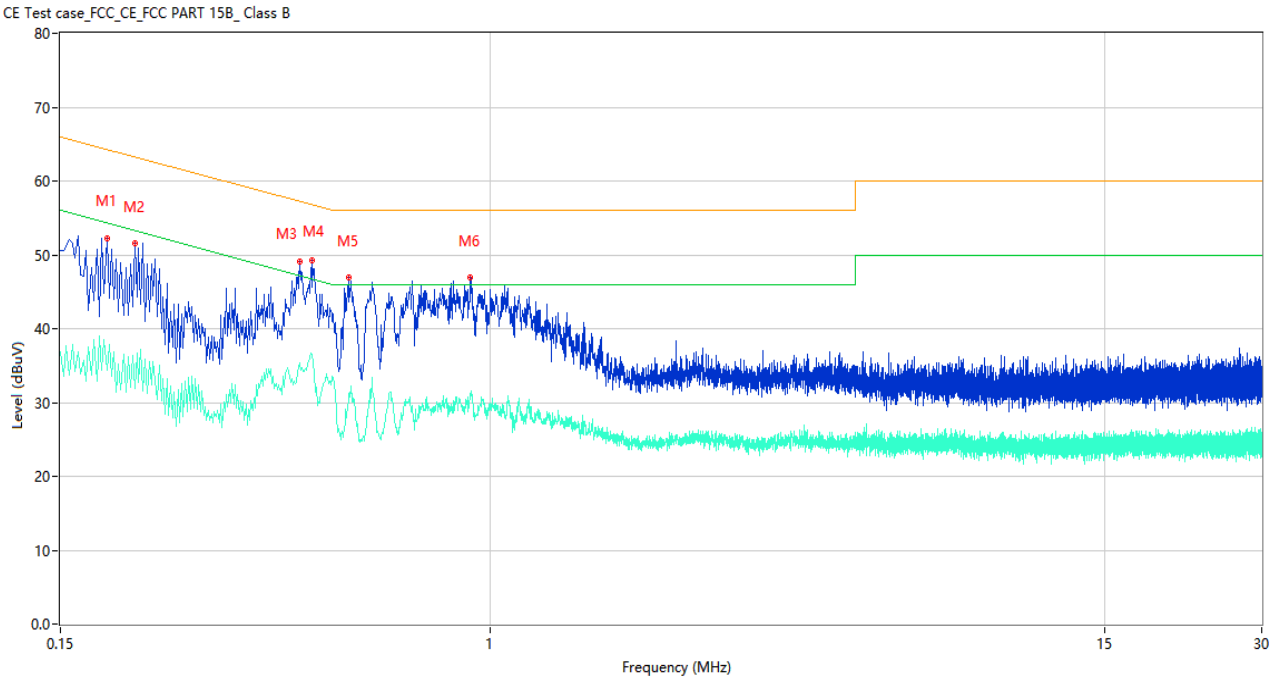
Note: The Power Spectral Density please refer to the Report No.RF170513E01-1, which issued by Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory on Oct. 02, 2017, **Section 4.5 Peak Power Spectral Density Measurement.**

A.5 Conducted Emissions

Note [1]: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.
Note [2]: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

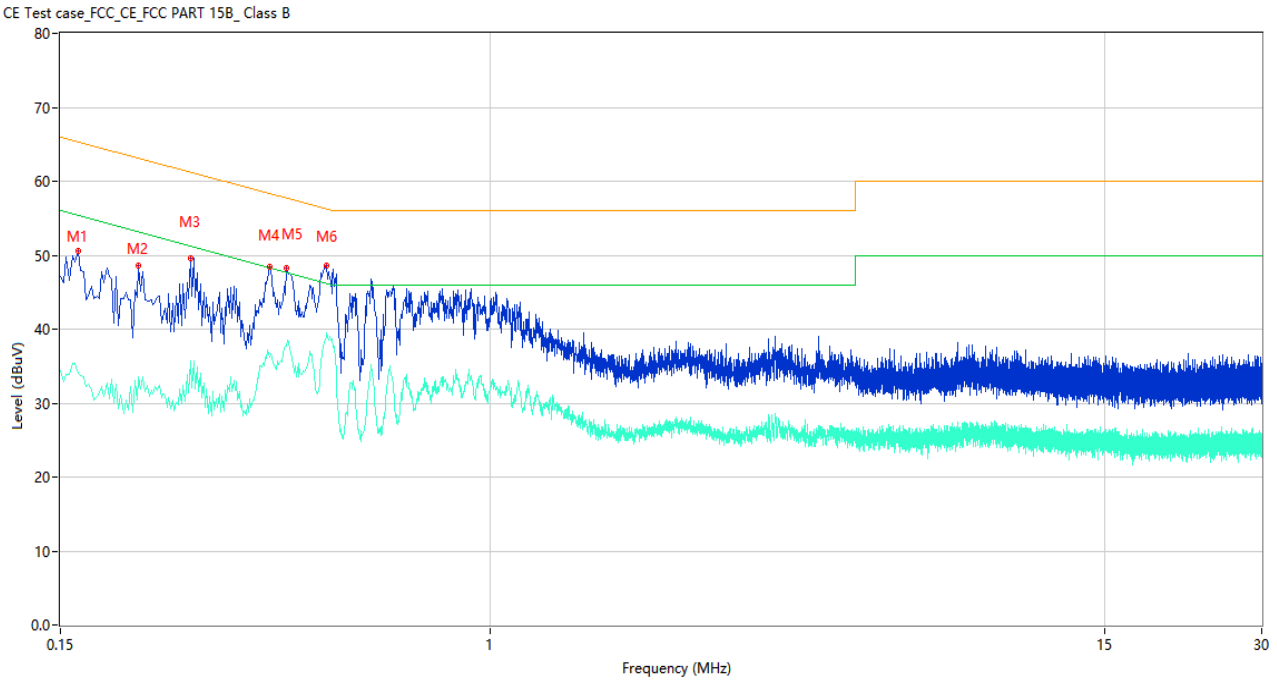
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.184	52.29	10.39	64.30	-12.01	Peak	L	Pass
1**	0.184	34.38	10.39	54.30	-19.92	AV	L	Pass
2	0.208	51.59	10.38	63.28	-11.69	Peak	L	Pass
2**	0.208	31.89	10.38	53.28	-21.39	AV	L	Pass
3	0.432	49.04	10.31	57.21	-8.17	Peak	L	Pass
3**	0.432	35.43	10.31	47.21	-11.78	AV	L	Pass
4	0.456	49.24	10.30	56.77	-7.53	Peak	L	Pass
4**	0.456	36.46	10.30	46.77	-10.31	AV	L	Pass
5	0.536	46.94	10.29	56.00	-9.06	Peak	L	Pass
5**	0.536	31.30	10.29	46.00	-14.70	AV	L	Pass
6	0.916	46.90	10.24	56.00	-9.10	Peak	L	Pass
6**	0.916	31.07	10.24	46.00	-14.93	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.162	50.52	10.40	65.36	-14.84	Peak	N	Pass
1**	0.162	34.11	10.40	55.36	-21.25	AV	N	Pass
2	0.212	48.63	10.38	63.13	-14.50	Peak	N	Pass
2**	0.212	33.63	10.38	53.13	-19.50	AV	N	Pass
3	0.266	49.60	10.34	61.24	-11.64	Peak	N	Pass
3**	0.266	35.63	10.34	51.24	-15.61	AV	N	Pass
4	0.378	48.50	10.30	58.32	-9.82	Peak	N	Pass
4**	0.378	36.20	10.30	48.32	-12.12	AV	N	Pass
5	0.406	48.28	10.31	57.73	-9.45	Peak	N	Pass
5**	0.406	37.76	10.31	47.73	-9.97	AV	N	Pass
6	0.486	48.67	10.29	56.24	-7.57	Peak	N	Pass
6**	0.486	39.57	10.29	46.24	-6.67	AV	N	Pass

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

Test Data

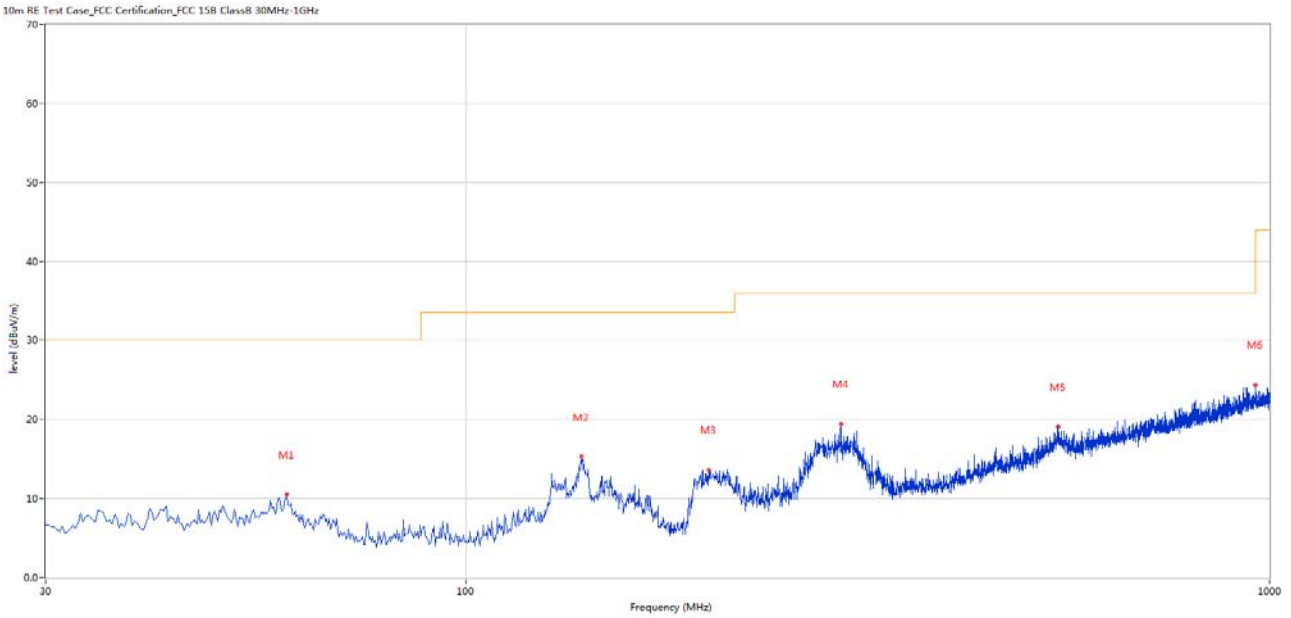
Note [1]: The symbol of "--" in the table which means not application.

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.

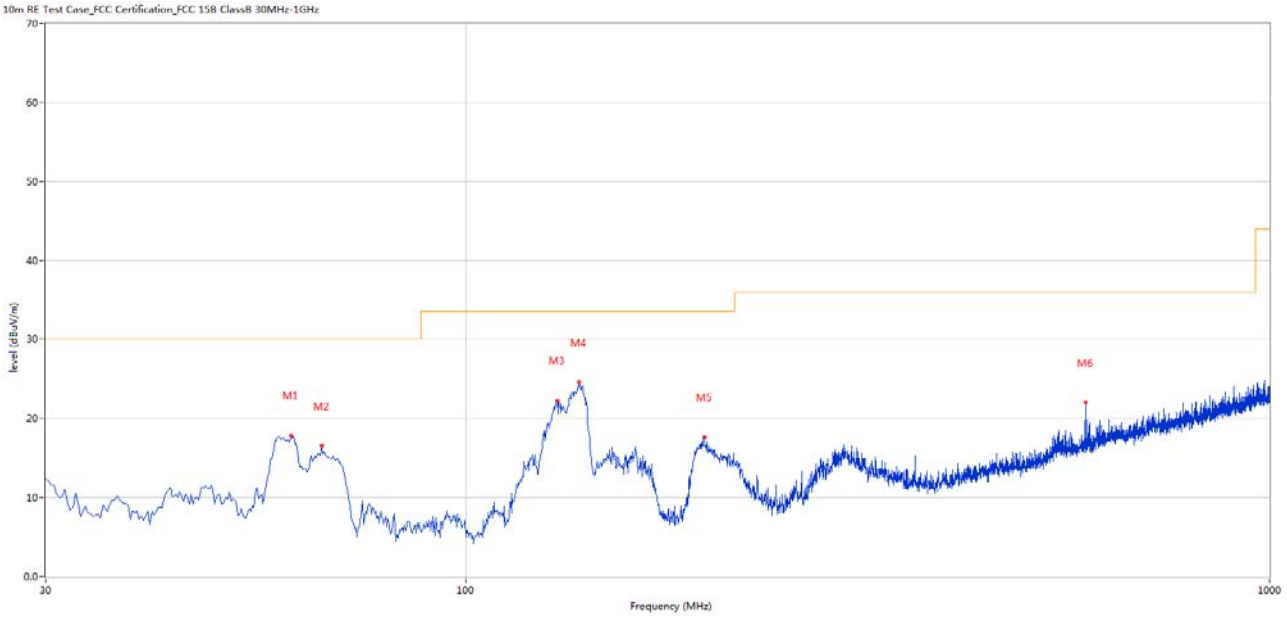
Note [4]: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

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	59.820	10.49	-27.76	30.0	-19.51	Peak	360.00	200	Horizontal	Pass
2	139.098	15.26	-26.41	33.5	-18.24	Peak	194.00	200	Horizontal	Pass
3	200.435	13.63	-29.67	33.5	-19.87	Peak	250.00	200	Horizontal	Pass
4	292.804	19.39	-26.21	36.0	-16.61	Peak	255.00	200	Horizontal	Pass
5	545.426	19.05	-19.46	36.0	-16.95	Peak	360.00	200	Horizontal	Pass
6	961.210	24.32	-11.43	44.0	-19.68	Peak	225.00	200	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	60.547	17.80	-27.92	30.0	-12.20	Peak	125.00	100	Vertical	Pass
2	66.123	16.48	-29.08	30.0	-13.52	Peak	94.00	200	Vertical	Pass
3	129.885	22.22	-27.38	33.5	-11.28	Peak	277.00	100	Vertical	Pass
4	138.370	24.50	-26.44	33.5	-9.00	Peak	271.00	100	Vertical	Pass
5	198.010	17.60	-29.42	33.5	-15.90	Peak	360.00	200	Vertical	Pass
6	589.793	21.99	-18.32	36.0	-14.01	Peak	255.00	200	Vertical	Pass

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

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1503.900	38.92	-17.56	74.0	-35.08	Peak	131.00	150	Horizontal	Pass
1**	1503.900	28.57	-17.56	54.0	-25.43	AV	131.00	150	Horizontal	Pass
2	2790.400	43.65	-10.60	74.0	-30.35	Peak	96.00	150	Horizontal	Pass
2**	2790.400	34.15	-10.60	54.0	-19.85	AV	96.00	150	Horizontal	Pass
3	3923.000	48.13	-5.37	74.0	-25.87	Peak	350.00	150	Horizontal	Pass
3**	3923.000	38.89	-5.37	54.0	-15.11	AV	350.00	150	Horizontal	Pass
4	5187.400	99.64	-2.70	--	--	Peak	94.00	150	Horizontal	N/A
4**	5187.400	91.85	-2.70	--	--	AV	94.00	150	Horizontal	N/A
5	11890.088	52.25	1.60	74.0	-21.75	Peak	188.00	150	Horizontal	Pass
5**	11890.088	42.27	1.60	54.0	-11.73	AV	188.00	150	Horizontal	Pass
6	15830.963	54.63	1.49	74.0	-19.37	Peak	152.00	150	Horizontal	Pass
6**	15830.963	45.45	1.49	54.0	-8.55	AV	152.00	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	1385.900	39.69	-17.44	74.0	-34.31	Peak	64.00	150	Vertical	Pass
1**	1385.900	31.86	-17.44	54.0	-22.14	AV	64.00	150	Vertical	Pass
2	2822.500	43.48	-10.25	74.0	-30.52	Peak	259.00	150	Vertical	Pass
2**	2822.500	34.60	-10.25	54.0	-19.40	AV	259.00	150	Vertical	Pass
3	3933.200	47.27	-5.83	74.0	-26.73	Peak	316.00	150	Vertical	Pass
3**	3933.200	38.11	-5.83	54.0	-15.89	AV	316.00	150	Vertical	Pass
4	5183.000	101.07	-2.73	--	--	Peak	108.00	150	Vertical	N/A
4**	5183.000	92.92	-2.73	--	--	AV	108.00	150	Vertical	N/A
5	12046.488	52.73	0.95	74.0	-21.27	Peak	51.00	150	Vertical	Pass
5**	12046.488	44.07	0.95	54.0	-9.93	AV	51.00	150	Vertical	Pass
6	15811.800	54.69	2.13	74.0	-19.31	Peak	61.00	150	Vertical	Pass
6**	15811.800	46.30	2.13	54.0	-7.70	AV	61.00	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	1490.400	38.86	-17.48	74.0	-35.14	Peak	124.00	150	Horizontal	Pass
1**	1490.400	29.18	-17.48	54.0	-24.82	AV	124.00	150	Horizontal	Pass
2	2812.100	44.10	-10.12	74.0	-29.90	Peak	98.00	150	Horizontal	Pass
2**	2812.100	34.48	-10.12	54.0	-19.52	AV	98.00	150	Horizontal	Pass
3	3924.000	47.16	-5.38	74.0	-26.84	Peak	30.00	150	Horizontal	Pass
3**	3924.000	37.56	-5.38	54.0	-16.44	AV	30.00	150	Horizontal	Pass
4	5217.200	100.36	-2.90	--	--	Peak	240.00	150	Horizontal	N/A
4**	5217.200	91.91	-2.90	--	--	AV	240.00	150	Horizontal	N/A
5	12005.375	52.35	1.28	74.0	-21.65	Peak	299.00	150	Horizontal	Pass
5**	12005.375	43.47	1.28	54.0	-10.53	AV	299.00	150	Horizontal	Pass
6	15815.737	55.38	2.03	74.0	-18.62	Peak	147.00	150	Horizontal	Pass
6**	15815.737	45.66	2.03	54.0	-8.34	AV	147.00	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	1534.400	38.85	-17.50	74.0	-35.15	Peak	360.00	150	Vertical	Pass
1**	1534.400	31.79	-17.50	54.0	-22.21	AV	360.00	150	Vertical	Pass
2	2807.600	44.04	-10.30	74.0	-29.96	Peak	37.00	150	Vertical	Pass
2**	2807.600	34.18	-10.30	54.0	-19.82	AV	37.00	150	Vertical	Pass
3	3994.600	47.65	-5.38	74.0	-26.35	Peak	360.00	150	Vertical	Pass
3**	3994.600	38.18	-5.38	54.0	-15.82	AV	360.00	150	Vertical	Pass
4	5216.400	101.40	-2.87	--	--	Peak	122.00	150	Vertical	N/A
4**	5216.400	93.46	-2.87	--	--	AV	122.00	150	Vertical	N/A
5	12223.875	53.17	1.29	74.0	-20.83	Peak	311.00	150	Vertical	Pass
5**	12223.875	43.53	1.29	54.0	-10.47	AV	311.00	150	Vertical	Pass
6	16104.225	55.26	1.01	74.0	-18.74	Peak	54.00	150	Vertical	Pass
6**	16104.225	44.34	1.01	54.0	-9.66	AV	54.00	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	1533.800	38.30	-17.52	74.0	-35.70	Peak	69.00	150	Horizontal	Pass
1**	1533.800	29.32	-17.52	54.0	-24.68	AV	69.00	150	Horizontal	Pass
2	2814.900	44.18	-10.08	74.0	-29.82	Peak	-2.00	150	Horizontal	Pass
2**	2814.900	34.81	-10.08	54.0	-19.19	AV	-2.00	150	Horizontal	Pass
3	3885.200	47.87	-5.47	74.0	-26.13	Peak	318.00	150	Horizontal	Pass
3**	3885.200	38.22	-5.47	54.0	-15.78	AV	318.00	150	Horizontal	Pass
4	5245.000	100.36	-2.65	--	--	Peak	239.00	150	Horizontal	N/A
4**	5245.000	92.42	-2.65	--	--	AV	239.00	150	Horizontal	N/A
5	11492.187	51.55	0.06	74.0	-22.45	Peak	236.00	150	Horizontal	Pass
5**	11492.187	42.38	0.06	54.0	-11.62	AV	236.00	150	Horizontal	Pass
6	15839.625	54.66	1.45	74.0	-19.34	Peak	360.00	150	Horizontal	Pass
6**	15839.625	46.41	1.45	54.0	-7.59	AV	360.00	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	1536.200	38.98	-17.46	74.0	-35.02	Peak	151.00	150	Vertical	Pass
1**	1536.200	30.24	-17.46	54.0	-23.76	AV	151.00	150	Vertical	Pass
2	2799.700	44.15	-10.56	74.0	-29.85	Peak	91.00	150	Vertical	Pass
2**	2799.700	34.46	-10.56	54.0	-19.54	AV	91.00	150	Vertical	Pass
3	4088.600	49.35	-5.43	74.0	-24.65	Peak	181.00	150	Vertical	Pass
3**	4088.600	39.51	-5.43	54.0	-14.49	AV	181.00	150	Vertical	Pass
4	5244.400	101.44	-2.64	--	--	Peak	120.00	150	Vertical	N/A
4**	5244.400	93.19	-2.64	--	--	AV	120.00	150	Vertical	N/A
5	11455.388	51.61	-0.11	74.0	-22.39	Peak	78.00	150	Vertical	Pass
5**	11455.388	41.44	-0.11	54.0	-12.56	AV	78.00	150	Vertical	Pass
6	15784.762	55.39	1.79	74.0	-18.61	Peak	118.00	150	Vertical	Pass
6**	15784.762	44.95	1.79	54.0	-9.05	AV	118.00	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	1539.000	38.07	-17.51	74.0	-35.93	Peak	91.00	150	Horizontal	Pass
1**	1539.000	29.75	-17.51	54.0	-24.25	AV	91.00	150	Horizontal	Pass
2	2810.500	43.81	-10.22	74.0	-30.19	Peak	91.00	150	Horizontal	Pass
2**	2810.500	34.16	-10.22	54.0	-19.84	AV	91.00	150	Horizontal	Pass
3	4066.000	48.00	-5.38	74.0	-26.00	Peak	32.00	150	Horizontal	Pass
3**	4066.000	38.94	-5.38	54.0	-15.06	AV	32.00	150	Horizontal	Pass
4	5185.600	99.79	-2.84	--	--	Peak	96.00	150	Horizontal	N/A
4**	5185.600	92.27	-2.84	--	--	AV	96.00	150	Horizontal	N/A
5	11417.437	51.60	-0.13	74.0	-22.40	Peak	200.00	150	Horizontal	Pass
5**	11417.437	41.76	-0.13	54.0	-12.24	AV	200.00	150	Horizontal	Pass
6	15802.613	54.39	2.30	74.0	-19.61	Peak	353.00	150	Horizontal	Pass
6**	15802.613	45.78	2.30	54.0	-8.22	AV	353.00	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	1477.400	40.40	-17.61	74.0	-33.60	Peak	103.00	150	Vertical	Pass
1**	1477.400	28.55	-17.61	54.0	-25.45	AV	103.00	150	Vertical	Pass
2	2835.000	44.20	-10.40	74.0	-29.80	Peak	103.00	150	Vertical	Pass
2**	2835.000	34.19	-10.40	54.0	-19.81	AV	103.00	150	Vertical	Pass
3	3915.800	47.63	-5.36	74.0	-26.37	Peak	149.00	150	Vertical	Pass
3**	3915.800	38.36	-5.36	54.0	-15.64	AV	149.00	150	Vertical	Pass
4	5177.400	100.08	-2.76	--	--	Peak	103.00	150	Vertical	N/A
4**	5177.400	93.19	-2.76	--	--	AV	103.00	150	Vertical	N/A
5	12011.987	52.39	1.12	74.0	-21.61	Peak	0.00	150	Vertical	Pass
5**	12011.987	43.44	1.12	54.0	-10.56	AV	0.00	150	Vertical	Pass
6	15806.550	56.02	2.24	74.0	-17.98	Peak	0.00	150	Vertical	Pass
6**	15806.550	46.88	2.24	54.0	-7.12	AV	0.00	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	1489.900	39.00	-17.48	74.0	-35.00	Peak	-3.00	150	Horizontal	Pass
1**	1489.900	28.92	-17.48	54.0	-25.08	AV	-3.00	150	Horizontal	Pass
2	2787.600	44.27	-10.53	74.0	-29.73	Peak	-3.00	150	Horizontal	Pass
2**	2787.600	34.65	-10.53	54.0	-19.35	AV	-3.00	150	Horizontal	Pass
3	4047.000	47.76	-4.77	74.0	-26.24	Peak	78.00	150	Horizontal	Pass
3**	4047.000	38.42	-4.77	54.0	-15.58	AV	78.00	150	Horizontal	Pass
4	5216.800	99.65	-2.88	--	--	Peak	240.00	150	Horizontal	N/A
4**	5216.800	91.62	-2.88	--	--	AV	240.00	150	Horizontal	N/A
5	11886.349	52.90	1.57	74.0	-21.10	Peak	0.00	150	Horizontal	Pass
5**	11886.349	42.40	1.57	54.0	-11.60	AV	0.00	150	Horizontal	Pass
6	15802.875	54.60	2.30	74.0	-19.40	Peak	360.00	150	Horizontal	Pass
6**	15802.875	45.61	2.30	54.0	-8.39	AV	360.00	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	1534.500	38.80	-17.49	74.0	-35.20	Peak	65.00	150	Vertical	Pass
1**	1534.500	32.50	-17.49	54.0	-21.50	AV	65.00	150	Vertical	Pass
2	2836.100	44.79	-10.39	74.0	-29.21	Peak	65.00	150	Vertical	Pass
2**	2836.100	35.77	-10.39	54.0	-18.23	AV	65.00	150	Vertical	Pass
3	3947.600	47.48	-4.97	74.0	-26.52	Peak	244.00	150	Vertical	Pass
3**	3947.600	37.45	-4.97	54.0	-16.55	AV	244.00	150	Vertical	Pass
4	5217.200	100.94	-2.90	--	--	Peak	290.00	150	Vertical	N/A
4**	5217.200	93.84	-2.90	--	--	AV	290.00	150	Vertical	N/A
5	11501.388	51.12	0.01	74.0	-22.88	Peak	7.00	150	Vertical	Pass
5**	11501.388	41.77	0.01	54.0	-12.23	AV	7.00	150	Vertical	Pass
6	15788.701	54.51	1.96	74.0	-19.49	Peak	24.00	150	Vertical	Pass
6**	15788.701	45.49	1.96	54.0	-8.51	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	1521.500	38.37	-17.67	74.0	-35.63	Peak	299.00	150	Horizontal	Pass
1**	1521.500	28.56	-17.67	54.0	-25.44	AV	299.00	150	Horizontal	Pass
2	2791.900	43.81	-10.69	74.0	-30.19	Peak	12.00	150	Horizontal	Pass
2**	2791.900	34.65	-10.69	54.0	-19.35	AV	12.00	150	Horizontal	Pass
3	3800.200	47.52	-5.73	74.0	-26.48	Peak	0.00	150	Horizontal	Pass
3**	3800.200	37.19	-5.73	54.0	-16.81	AV	0.00	150	Horizontal	Pass
4	5237.000	99.74	-2.83	--	--	Peak	240.00	150	Horizontal	N/A
4**	5237.000	91.65	-2.83	--	--	AV	240.00	150	Horizontal	N/A
5	11657.213	51.88	0.04	74.0	-22.12	Peak	298.00	150	Horizontal	Pass
5**	11657.213	42.91	0.04	54.0	-11.09	AV	298.00	150	Horizontal	Pass
6	15786.863	54.65	1.88	74.0	-19.35	Peak	46.00	150	Horizontal	Pass
6**	15786.863	45.99	1.88	54.0	-8.01	AV	46.00	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	1535.000	39.00	-17.48	74.0	-35.00	Peak	-1.00	150	Vertical	Pass
1**	1535.000	32.47	-17.48	54.0	-21.53	AV	-1.00	150	Vertical	Pass
2	2787.700	44.00	-10.54	74.0	-30.00	Peak	232.00	150	Vertical	Pass
2**	2787.700	35.32	-10.54	54.0	-18.68	AV	232.00	150	Vertical	Pass
3	4039.000	48.19	-4.79	74.0	-25.81	Peak	50.00	150	Vertical	Pass
3**	4039.000	39.02	-4.79	54.0	-14.98	AV	50.00	150	Vertical	Pass
4	5243.000	101.55	-2.69	--	--	Peak	283.00	150	Vertical	N/A
4**	5243.000	93.33	-2.69	--	--	AV	283.00	150	Vertical	N/A
5	11499.375	51.62	0.05	74.0	-22.38	Peak	122.00	150	Vertical	Pass
5**	11499.375	42.40	0.05	54.0	-11.60	AV	122.00	150	Vertical	Pass
6	15798.412	55.18	2.28	74.0	-18.82	Peak	198.00	150	Vertical	Pass
6**	15798.412	45.65	2.28	54.0	-8.35	AV	198.00	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	1523.800	39.20	-17.51	74.0	-34.80	Peak	39.00	150	Horizontal	Pass
1**	1523.800	28.41	-17.51	54.0	-25.59	AV	39.00	150	Horizontal	Pass
2	2788.400	43.64	-10.57	74.0	-30.36	Peak	39.00	150	Horizontal	Pass
2**	2788.400	35.12	-10.57	54.0	-18.88	AV	39.00	150	Horizontal	Pass
3	3928.800	47.33	-5.56	74.0	-26.67	Peak	64.00	150	Horizontal	Pass
3**	3928.800	37.87	-5.56	54.0	-16.13	AV	64.00	150	Horizontal	Pass
4	5192.600	96.59	-2.71	--	--	Peak	232.00	150	Horizontal	N/A
4**	5192.600	89.28	-2.71	--	--	AV	232.00	150	Horizontal	N/A
5	11484.425	50.99	0.06	74.0	-23.01	Peak	211.00	150	Horizontal	Pass
5**	11484.425	42.15	0.06	54.0	-11.85	AV	211.00	150	Horizontal	Pass
6	15811.537	54.54	2.13	74.0	-19.46	Peak	168.00	150	Horizontal	Pass
6**	15811.537	46.06	2.13	54.0	-7.94	AV	168.00	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	1548.300	38.64	-17.52	74.0	-35.36	Peak	360.00	150	Vertical	Pass
1**	1548.300	28.93	-17.52	54.0	-25.07	AV	360.00	150	Vertical	Pass
2	2799.200	44.02	-10.57	74.0	-29.98	Peak	360.00	150	Vertical	Pass
2**	2799.200	35.00	-10.57	54.0	-19.00	AV	360.00	150	Vertical	Pass
3	4053.800	47.73	-4.88	74.0	-26.27	Peak	107.00	150	Vertical	Pass
3**	4053.800	39.01	-4.88	54.0	-14.99	AV	107.00	150	Vertical	Pass
4	5191.600	97.54	-2.64	--	--	Peak	283.00	150	Vertical	N/A
4**	5191.600	89.00	-2.64	--	--	AV	283.00	150	Vertical	N/A
5	11618.400	51.57	-0.04	74.0	-22.43	Peak	342.00	150	Vertical	Pass
5**	11618.400	41.68	-0.04	54.0	-12.32	AV	342.00	150	Vertical	Pass
6	15814.688	55.07	2.07	74.0	-18.93	Peak	360.00	150	Vertical	Pass
6**	15814.688	45.71	2.07	54.0	-8.29	AV	360.00	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	1501.900	38.55	-17.52	74.0	-35.45	Peak	-3.00	150	Horizontal	Pass
1**	1501.900	28.71	-17.52	54.0	-25.29	AV	-3.00	150	Horizontal	Pass
2	2799.400	43.59	-10.56	74.0	-30.41	Peak	-3.00	150	Horizontal	Pass
2**	2799.400	34.38	-10.56	54.0	-19.62	AV	-3.00	150	Horizontal	Pass
3	4063.200	48.38	-5.19	74.0	-25.62	Peak	360.00	150	Horizontal	Pass
3**	4063.200	39.45	-5.19	54.0	-14.55	AV	360.00	150	Horizontal	Pass
4	5234.400	95.66	-2.82	--	--	Peak	240.00	150	Horizontal	N/A
4**	5234.400	87.72	-2.82	--	--	AV	240.00	150	Horizontal	N/A
5	11496.787	51.15	0.05	74.0	-22.85	Peak	360.00	150	Horizontal	Pass
5**	11496.787	42.26	0.05	54.0	-11.74	AV	360.00	150	Horizontal	Pass
6	15823.612	54.84	1.71	74.0	-19.16	Peak	121.00	150	Horizontal	Pass
6**	15823.612	45.09	1.71	54.0	-8.91	AV	121.00	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	1527.600	38.45	-17.50	74.0	-35.55	Peak	163.00	150	Vertical	Pass
1**	1527.600	29.16	-17.50	54.0	-24.84	AV	163.00	150	Vertical	Pass
2	2810.500	44.33	-10.22	74.0	-29.67	Peak	24.00	150	Vertical	Pass
2**	2810.500	35.69	-10.22	54.0	-18.31	AV	24.00	150	Vertical	Pass
3	4051.600	48.06	-4.82	74.0	-25.94	Peak	234.00	150	Vertical	Pass
3**	4051.600	39.28	-4.82	54.0	-14.72	AV	234.00	150	Vertical	Pass
4	5242.400	97.75	-2.70	--	--	Peak	282.00	150	Vertical	N/A
4**	5242.400	90.33	-2.70	--	--	AV	282.00	150	Vertical	N/A
5	11406.513	50.79	-0.22	74.0	-23.21	Peak	120.00	150	Vertical	Pass
5**	11406.513	41.15	-0.22	54.0	-12.85	AV	120.00	150	Vertical	Pass
6	15816.787	55.00	1.99	74.0	-19.00	Peak	277.00	150	Vertical	Pass
6**	15816.787	46.58	1.99	54.0	-7.42	AV	277.00	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	1096.800	42.86	-18.23	74.0	-31.14	Peak	140.00	150	Horizontal	Pass
1**	1096.800	36.88	-18.23	54.0	-17.12	AV	140.00	150	Horizontal	Pass
2	1594.900	39.40	-17.44	74.0	-34.60	Peak	214.00	150	Horizontal	Pass
2**	1594.900	30.89	-17.44	54.0	-23.11	AV	214.00	150	Horizontal	Pass
3	3824.250	48.00	-6.47	74.0	-26.00	Peak	213.00	150	Horizontal	Pass
3**	3824.250	36.82	-6.47	54.0	-17.18	AV	213.00	150	Horizontal	Pass
4	5255.250	99.06	-3.39	--	-137.94	Peak	237.00	150	Horizontal	N/A
4**	5255.250	91.33	-3.39	--	91.33	AV	237.00	150	Horizontal	N/A
5	8256.975	48.44	-4.90	74.0	-25.56	Peak	331.00	150	Horizontal	Pass
5**	8256.975	39.31	-4.90	54.0	-14.69	AV	331.00	150	Horizontal	Pass
6	15925.724	51.03	-0.63	74.0	-22.97	Peak	226.00	150	Horizontal	Pass
6**	15925.724	41.74	-0.63	54.0	-12.26	AV	226.00	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	1109.100	40.01	-18.34	74.0	-33.99	Peak	61.00	150	Vertical	Pass
1**	1109.100	33.28	-18.34	54.0	-20.72	AV	61.00	150	Vertical	Pass
2	2263.100	41.50	-12.70	74.0	-32.50	Peak	224.00	150	Vertical	Pass
2**	2263.100	32.29	-12.70	54.0	-21.71	AV	224.00	150	Vertical	Pass
3	4187.500	47.81	-5.28	74.0	-26.19	Peak	335.00	150	Vertical	Pass
3**	4187.500	38.44	-5.28	54.0	-15.56	AV	335.00	150	Vertical	Pass
4	5265.000	98.39	-3.58	--	-236.61	Peak	335.00	150	Vertical	N/A
4**	5265.000	90.22	-3.58	--	90.22	AV	335.00	150	Vertical	N/A
5	10876.838	48.26	-4.38	74.0	-25.74	Peak	297.00	150	Vertical	Pass
5**	10876.838	40.14	-4.38	54.0	-13.86	AV	297.00	150	Vertical	Pass
6	17859.564	51.67	0.98	74.0	-22.33	Peak	213.00	150	Vertical	Pass
6**	17859.564	43.02	0.98	54.0	-10.98	AV	213.00	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	1326.700	42.43	-17.43	74.0	-31.57	Peak	118.00	150	Horizontal	Pass
1**	1326.700	31.29	-17.43	54.0	-22.71	AV	118.00	150	Horizontal	Pass
2	2820.900	43.61	-10.84	74.0	-30.39	Peak	169.00	150	Horizontal	Pass
2**	2820.900	33.96	-10.84	54.0	-20.04	AV	169.00	150	Horizontal	Pass
3	4695.500	50.17	-3.41	74.0	-23.83	Peak	53.00	150	Horizontal	Pass
3**	4695.500	41.14	-3.41	54.0	-12.86	AV	53.00	150	Horizontal	Pass
4	5295.750	100.25	-2.94	--	-136.75	Peak	237.00	150	Horizontal	N/A
4**	5295.750	91.42	-2.94	--	91.42	AV	237.00	150	Horizontal	N/A
5	11595.750	48.48	-4.43	74.0	-25.52	Peak	106.00	150	Horizontal	Pass
5**	11595.750	39.70	-4.43	54.0	-14.30	AV	106.00	150	Horizontal	Pass
6	16105.275	51.34	-1.52	74.0	-22.66	Peak	42.00	150	Horizontal	Pass
6**	16105.275	42.72	-1.52	54.0	-11.28	AV	42.00	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	1134.300	39.96	-18.13	74.0	-34.04	Peak	50.00	150	Vertical	Pass
1**	1134.300	31.83	-18.13	54.0	-22.17	AV	50.00	150	Vertical	Pass
2	2717.700	43.38	-11.11	74.0	-30.62	Peak	145.00	150	Vertical	Pass
2**	2717.700	32.81	-11.11	54.0	-21.19	AV	145.00	150	Vertical	Pass
3	4853.500	51.01	-3.43	74.0	-22.99	Peak	360.00	150	Vertical	Pass
3**	4853.500	40.89	-3.43	54.0	-13.11	AV	360.00	150	Vertical	Pass
4	5305.000	98.66	-2.88	--	-194.34	Peak	293.00	150	Vertical	N/A
4**	5305.000	90.71	-2.88	--	90.71	AV	293.00	150	Vertical	N/A
5	8239.400	48.60	-4.69	74.0	-25.40	Peak	63.00	150	Vertical	Pass
5**	8239.400	40.07	-4.69	54.0	-13.93	AV	63.00	150	Vertical	Pass
6	16138.875	52.17	-0.43	74.0	-21.83	Peak	86.00	150	Vertical	Pass
6**	16138.875	41.98	-0.43	54.0	-12.02	AV	86.00	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	1096.900	43.06	-18.23	74.0	-30.94	Peak	127.00	150	Horizontal	Pass
1**	1096.900	37.19	-18.23	54.0	-16.81	AV	127.00	150	Horizontal	Pass
2	1332.500	44.52	-17.31	74.0	-29.48	Peak	105.00	150	Horizontal	Pass
2**	1332.500	31.49	-17.31	54.0	-22.51	AV	105.00	150	Horizontal	Pass
3	4206.750	48.42	-5.49	74.0	-25.58	Peak	116.00	150	Horizontal	Pass
3**	4206.750	38.77	-5.49	54.0	-15.23	AV	116.00	150	Horizontal	Pass
4	5313.500	99.32	-3.21	--	-145.68	Peak	245.00	150	Horizontal	N/A
4**	5313.500	91.81	-3.21	--	91.81	AV	245.00	150	Horizontal	N/A
5	8285.237	48.91	-4.51	74.0	-25.09	Peak	52.00	150	Horizontal	Pass
5**	8285.237	39.22	-4.51	54.0	-14.78	AV	52.00	150	Horizontal	Pass
6	15933.862	50.68	-0.43	74.0	-23.32	Peak	224.00	150	Horizontal	Pass
6**	15933.862	42.23	-0.43	54.0	-11.77	AV	224.00	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	1120.300	40.23	-18.05	74.0	-33.77	Peak	51.00	150	Vertical	Pass
1**	1120.300	33.44	-18.05	54.0	-20.56	AV	51.00	150	Vertical	Pass
2	1563.500	40.62	-17.28	74.0	-33.38	Peak	140.00	150	Vertical	Pass
2**	1563.500	32.75	-17.28	54.0	-21.25	AV	140.00	150	Vertical	Pass
3	4010.750	47.56	-5.62	74.0	-26.44	Peak	156.00	150	Vertical	Pass
3**	4010.750	38.76	-5.62	54.0	-15.24	AV	156.00	150	Vertical	Pass
4	5322.500	98.29	-2.95	--	-194.71	Peak	293.00	150	Vertical	N/A
4**	5322.500	90.71	-2.95	--	90.71	AV	293.00	150	Vertical	N/A
5	8378.338	48.60	-4.30	74.0	-25.40	Peak	185.00	150	Vertical	Pass
5**	8378.338	39.30	-4.30	54.0	-14.70	AV	185.00	150	Vertical	Pass
6	15952.500	51.30	-0.08	74.0	-22.70	Peak	98.00	150	Vertical	Pass
6**	15952.500	42.25	-0.08	54.0	-11.75	AV	98.00	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	1087.100	43.26	-18.38	74.0	-30.74	Peak	133.00	150	Horizontal	Pass
1**	1087.100	36.93	-18.38	54.0	-17.07	AV	133.00	150	Horizontal	Pass
2	1332.900	41.67	-17.32	74.0	-32.33	Peak	203.00	150	Horizontal	Pass
2**	1332.900	31.06	-17.32	54.0	-22.94	AV	203.00	150	Horizontal	Pass
3	4023.500	47.52	-5.82	74.0	-26.48	Peak	174.00	150	Horizontal	Pass
3**	4023.500	38.37	-5.82	54.0	-15.63	AV	174.00	150	Horizontal	Pass
4	5264.000	98.67	-3.47	--	-138.33	Peak	237.00	150	Horizontal	N/A
4**	5264.000	90.10	-3.47	--	90.10	AV	237.00	150	Horizontal	N/A
5	8371.687	47.81	-4.73	74.0	-26.19	Peak	185.00	150	Horizontal	Pass
5**	8371.687	40.36	-4.73	54.0	-13.64	AV	185.00	150	Horizontal	Pass
6	16129.162	51.04	-0.74	74.0	-22.96	Peak	122.00	150	Horizontal	Pass
6**	16129.162	42.52	-0.74	54.0	-11.48	AV	122.00	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	1121.800	39.88	-18.11	74.0	-34.12	Peak	45.00	150	Vertical	Pass
1**	1121.800	33.14	-18.11	54.0	-20.86	AV	45.00	150	Vertical	Pass
2	1326.700	42.65	-17.43	74.0	-31.35	Peak	202.00	150	Vertical	Pass
2**	1326.700	28.41	-17.43	54.0	-25.59	AV	202.00	150	Vertical	Pass
3	3923.250	47.41	-5.91	74.0	-26.59	Peak	125.00	150	Vertical	Pass
3**	3923.250	38.38	-5.91	54.0	-15.62	AV	125.00	150	Vertical	Pass
4	5262.750	97.38	-3.47	--	-196.62	Peak	294.00	150	Vertical	N/A
4**	5262.750	90.46	-3.47	--	90.46	AV	294.00	150	Vertical	N/A
5	8232.037	48.91	-4.71	74.0	-25.09	Peak	229.00	150	Vertical	Pass
5**	8232.037	39.76	-4.71	54.0	-14.24	AV	229.00	150	Vertical	Pass
6	15940.425	51.28	-0.27	74.0	-22.72	Peak	213.00	150	Vertical	Pass
6**	15940.425	42.48	-0.27	54.0	-11.52	AV	213.00	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	1097.400	43.05	-18.21	74.0	-30.95	Peak	129.00	150	Horizontal	Pass
1**	1097.400	38.35	-18.21	54.0	-15.65	AV	129.00	150	Horizontal	Pass
2	1327.600	43.07	-17.35	74.0	-30.93	Peak	142.00	150	Horizontal	Pass
2**	1327.600	31.32	-17.35	54.0	-22.68	AV	142.00	150	Horizontal	Pass
3	3809.750	46.94	-5.87	74.0	-27.06	Peak	69.00	150	Horizontal	Pass
3**	3809.750	38.45	-5.87	54.0	-15.55	AV	69.00	150	Horizontal	Pass
4	5302.250	99.00	-2.99	--	-147.00	Peak	246.00	150	Horizontal	N/A
4**	5302.250	91.73	-2.99	--	91.73	AV	246.00	150	Horizontal	N/A
5	8375.487	48.26	-4.26	74.0	-25.74	Peak	96.00	150	Horizontal	Pass
5**	8375.487	39.18	-4.26	54.0	-14.82	AV	96.00	150	Horizontal	Pass
6	15965.362	51.63	-0.26	74.0	-22.37	Peak	360.00	150	Horizontal	Pass
6**	15965.362	41.45	-0.26	54.0	-12.55	AV	360.00	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	1112.800	39.93	-18.06	74.0	-34.07	Peak	50.00	150	Vertical	Pass
1**	1112.800	32.18	-18.06	54.0	-21.82	AV	50.00	150	Vertical	Pass
2	1332.200	41.38	-17.31	74.0	-32.62	Peak	136.00	150	Vertical	Pass
2**	1332.200	29.08	-17.31	54.0	-24.92	AV	136.00	150	Vertical	Pass
3	3816.750	47.39	-5.72	74.0	-26.61	Peak	29.00	150	Vertical	Pass
3**	3816.750	37.87	-5.72	54.0	-16.13	AV	29.00	150	Vertical	Pass
4	5295.000	97.61	-2.89	--	-237.39	Peak	335.00	150	Vertical	N/A
4**	5295.000	89.66	-2.89	--	89.66	AV	335.00	150	Vertical	N/A
5	10894.412	48.94	-4.76	74.0	-25.06	Peak	297.00	150	Vertical	Pass
5**	10894.412	38.65	-4.76	54.0	-15.35	AV	297.00	150	Vertical	Pass
6	15905.512	51.51	-1.11	74.0	-22.49	Peak	54.00	150	Vertical	Pass
6**	15905.512	41.53	-1.11	54.0	-12.47	AV	54.00	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	1097.100	43.37	-18.22	74.0	-30.63	Peak	130.00	150	Horizontal	Pass
1**	1097.100	36.80	-18.22	54.0	-17.20	AV	130.00	150	Horizontal	Pass
2	1331.500	42.77	-17.33	74.0	-31.23	Peak	121.00	150	Horizontal	Pass
2**	1331.500	30.79	-17.33	54.0	-23.21	AV	121.00	150	Horizontal	Pass
3	4012.750	47.70	-5.49	74.0	-26.30	Peak	53.00	150	Horizontal	Pass
3**	4012.750	38.97	-5.49	54.0	-15.03	AV	53.00	150	Horizontal	Pass
4	5317.000	98.80	-3.11	--	-130.20	Peak	229.00	150	Horizontal	N/A
4**	5317.000	91.99	-3.11	--	91.99	AV	229.00	150	Horizontal	N/A
5	10871.850	48.81	-4.27	74.0	-25.19	Peak	231.00	150	Horizontal	Pass
5**	10871.850	39.85	-4.27	54.0	-14.15	AV	231.00	150	Horizontal	Pass
6	16149.112	51.66	-0.10	74.0	-22.34	Peak	191.00	150	Horizontal	Pass
6**	16149.112	42.95	-0.10	54.0	-11.05	AV	191.00	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	1120.300	40.17	-18.05	74.0	-33.83	Peak	44.00	150	Vertical	Pass
1**	1120.300	33.19	-18.05	54.0	-20.81	AV	44.00	150	Vertical	Pass
2	2885.800	42.78	-9.77	74.0	-31.22	Peak	88.00	150	Vertical	Pass
2**	2885.800	34.10	-9.77	54.0	-19.90	AV	88.00	150	Vertical	Pass
3	4282.500	48.37	-4.96	74.0	-25.63	Peak	333.00	150	Vertical	Pass
3**	4282.500	38.62	-4.96	54.0	-15.38	AV	333.00	150	Vertical	Pass
4	5316.500	98.10	-3.10	--	-186.90	Peak	285.00	150	Vertical	N/A
4**	5316.500	91.22	-3.10	--	91.22	AV	285.00	150	Vertical	N/A
5	12572.826	49.64	-2.83	74.0	-24.36	Peak	0.00	150	Vertical	Pass
5**	12572.826	40.23	-2.83	54.0	-13.77	AV	0.00	150	Vertical	Pass
6	17943.824	52.55	0.91	74.0	-21.45	Peak	76.00	150	Vertical	Pass
6**	17943.824	43.46	0.91	54.0	-10.54	AV	76.00	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	1094.500	38.18	-16.82	74.0	-35.82	Peak	9.00	150	Horizontal	Pass
1**	1094.500	28.47	-16.82	54.0	-25.53	AV	9.00	150	Horizontal	Pass
2	2275.100	44.99	-9.85	74.0	-29.01	Peak	8.00	150	Horizontal	Pass
2**	2275.100	36.00	-9.85	54.0	-18.00	AV	8.00	150	Horizontal	Pass
3	4045.250	49.14	-1.93	74.0	-24.86	Peak	12.00	150	Horizontal	Pass
3**	4045.250	40.54	-1.93	54.0	-13.46	AV	12.00	150	Horizontal	Pass
4	5282.750	94.25	0.54	--	90.25	Peak	4.00	150	Horizontal	N/A
4**	5282.750	86.28	0.54	--	86.28	AV	4.00	150	Horizontal	N/A
5	11299.112	53.68	2.39	74.0	-20.32	Peak	6.00	150	Horizontal	Pass
5**	11299.112	45.29	2.39	54.0	-8.71	AV	6.00	150	Horizontal	Pass
6	15739.088	53.36	1.01	74.0	-20.64	Peak	6.00	150	Horizontal	Pass
6**	15739.088	43.25	1.01	54.0	-10.75	AV	6.00	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	1190.600	38.82	-16.13	74.0	-35.18	Peak	4.00	150	Vertical	Pass
1**	1190.600	29.36	-16.13	54.0	-24.64	AV	4.00	150	Vertical	Pass
2	2346.000	45.22	-8.80	74.0	-28.78	Peak	6.00	150	Vertical	Pass
2**	2346.000	35.38	-8.80	54.0	-18.62	AV	6.00	150	Vertical	Pass
3	5278.000	88.19	0.76	--	82.19	Peak	6.00	150	Vertical	N/A
3**	5278.000	80.71	0.76	--	80.71	AV	6.00	150	Vertical	N/A
4	8323.950	50.31	-1.16	74.0	-23.69	Peak	5.00	150	Vertical	Pass
4**	8323.950	40.44	-1.16	54.0	-13.56	AV	5.00	150	Vertical	Pass
5	11294.599	53.65	2.34	74.0	-20.35	Peak	15.00	150	Vertical	Pass
5**	11294.599	45.97	2.34	54.0	-8.03	AV	15.00	150	Vertical	Pass
6	15749.325	53.82	1.13	74.0	-20.18	Peak	3.00	150	Vertical	Pass
6**	15749.325	44.03	1.13	54.0	-9.97	AV	3.00	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	1126.000	37.89	-16.54	74.0	-36.11	Peak	5.00	150	Horizontal	Pass
1**	1126.000	28.99	-16.54	54.0	-25.01	AV	5.00	150	Horizontal	Pass
2	2730.200	46.86	-7.93	74.0	-27.14	Peak	6.00	150	Horizontal	Pass
2**	2730.200	36.97	-7.93	54.0	-17.03	AV	6.00	150	Horizontal	Pass
3	5306.750	93.28	0.81	--	80.28	Peak	13.00	150	Horizontal	N/A
3**	5306.750	85.30	0.81	--	85.30	AV	13.00	150	Horizontal	N/A
4	8254.125	50.84	-1.00	74.0	-23.16	Peak	4.00	150	Horizontal	Pass
4**	8254.125	41.08	-1.00	54.0	-12.92	AV	4.00	150	Horizontal	Pass
5	10793.000	53.32	1.98	74.0	-20.68	Peak	3.00	150	Horizontal	Pass
5**	10793.000	45.90	1.98	54.0	-8.10	AV	3.00	150	Horizontal	Pass
6	15741.975	52.91	1.04	74.0	-21.09	Peak	5.00	150	Horizontal	Pass
6**	15741.975	44.03	1.04	54.0	-9.97	AV	5.00	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	1050.400	38.94	-16.64	74.0	-35.06	Peak	3.00	150	Vertical	Pass
1**	1050.400	28.79	-16.64	54.0	-25.21	AV	3.00	150	Vertical	Pass
2	1592.600	40.28	-15.27	74.0	-33.72	Peak	15.00	150	Vertical	Pass
2**	1592.600	29.55	-15.27	54.0	-24.45	AV	15.00	150	Vertical	Pass
3	2772.300	47.50	-7.43	74.0	-26.50	Peak	9.00	150	Vertical	Pass
3**	2772.300	36.37	-7.43	54.0	-17.63	AV	9.00	150	Vertical	Pass
4	5325.500	89.09	0.79	--	74.09	Peak	15.00	150	Vertical	N/A
4**	5325.500	81.57	0.79	--	81.57	AV	15.00	150	Vertical	N/A
5	8325.138	51.18	-1.24	74.0	-22.82	Peak	14.00	150	Vertical	Pass
5**	8325.138	40.54	-1.24	54.0	-13.46	AV	14.00	150	Vertical	Pass
6	15944.362	53.36	0.93	74.0	-20.64	Peak	15.00	150	Vertical	Pass
6**	15944.362	43.62	0.93	54.0	-10.38	AV	15.00	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	1098.100	38.63	-16.68	74.0	-35.37	Peak	13.00	150	Horizontal	Pass
1**	1098.100	28.77	-16.68	54.0	-25.23	AV	13.00	150	Horizontal	Pass
2	2214.000	45.39	-9.82	74.0	-28.61	Peak	9.00	150	Horizontal	Pass
2**	2214.000	34.56	-9.82	54.0	-19.44	AV	9.00	150	Horizontal	Pass
3	3747.250	49.38	-2.22	74.0	-24.62	Peak	3.00	150	Horizontal	Pass
3**	3747.250	39.50	-2.22	54.0	-14.50	AV	3.00	150	Horizontal	Pass
4	5493.750	93.79	0.70	--	78.79	Peak	15.00	150	Horizontal	N/A
4**	5493.750	86.04	0.70	--	86.04	AV	15.00	150	Horizontal	N/A
5	11476.287	53.04	1.01	74.0	-20.96	Peak	14.00	150	Horizontal	Pass
5**	11476.287	43.74	1.01	54.0	-10.26	AV	14.00	150	Horizontal	Pass
6	15781.349	53.72	1.04	74.0	-20.28	Peak	9.00	150	Horizontal	Pass
6**	15781.349	43.83	1.04	54.0	-10.17	AV	9.00	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	1225.300	39.61	-16.11	74.0	-34.39	Peak	15.00	150	Vertical	Pass
1**	1225.300	29.66	-16.11	54.0	-24.34	AV	15.00	150	Vertical	Pass
2	4041.750	49.75	-1.73	74.0	-24.25	Peak	3.00	150	Vertical	Pass
2**	4041.750	40.77	-1.73	54.0	-13.23	AV	3.00	150	Vertical	Pass
3	5494.500	92.81	0.72	--	83.81	Peak	9.00	150	Vertical	N/A
3**	5494.500	85.48	0.72	--	85.48	AV	9.00	150	Vertical	N/A
4	8255.075	49.84	-1.05	74.0	-24.16	Peak	5.00	150	Vertical	Pass
4**	8255.075	41.76	-1.05	54.0	-12.24	AV	5.00	150	Vertical	Pass
5	11342.338	54.04	1.18	74.0	-19.96	Peak	11.00	150	Vertical	Pass
5**	11342.338	43.48	1.18	54.0	-10.52	AV	11.00	150	Vertical	Pass
6	15767.700	52.53	1.08	74.0	-21.47	Peak	10.00	150	Vertical	Pass
6**	15767.700	43.93	1.08	54.0	-10.07	AV	10.00	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	1174.800	39.44	-16.26	74.0	-34.56	Peak	9.00	150	Horizontal	Pass
1**	1174.800	29.65	-16.26	54.0	-24.35	AV	9.00	150	Horizontal	Pass
2	1503.200	40.16	-15.33	74.0	-33.84	Peak	6.00	150	Horizontal	Pass
2**	1503.200	30.05	-15.33	54.0	-23.95	AV	6.00	150	Horizontal	Pass
3	3754.000	49.47	-2.93	74.0	-24.53	Peak	1.00	150	Horizontal	Pass
3**	3754.000	39.69	-2.93	54.0	-14.31	AV	1.00	150	Horizontal	Pass
4	5584.250	93.72	0.84	--	84.72	Peak	9.00	150	Horizontal	N/A
4**	5584.250	86.17	0.84	--	86.17	AV	9.00	150	Horizontal	N/A
5	10810.338	53.64	1.81	74.0	-20.36	Peak	5.00	150	Horizontal	Pass
5**	10810.338	43.97	1.81	54.0	-10.03	AV	5.00	150	Horizontal	Pass
6	15723.076	53.12	0.81	74.0	-20.88	Peak	15.00	150	Horizontal	Pass
6**	15723.076	43.39	0.81	54.0	-10.61	AV	15.00	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	1356.300	39.60	-15.23	74.0	-34.40	Peak	13.00	150	Vertical	Pass
1**	1356.300	29.56	-15.23	54.0	-24.44	AV	13.00	150	Vertical	Pass
2	2812.200	46.95	-6.72	74.0	-27.05	Peak	13.00	150	Vertical	Pass
2**	2812.200	36.67	-6.72	54.0	-17.33	AV	13.00	150	Vertical	Pass
3	5587.000	83.14	0.91	--	75.14	Peak	8.00	150	Vertical	N/A
3**	5587.000	76.14	0.91	--	76.14	AV	8.00	150	Vertical	N/A
4	8154.138	50.80	-1.37	74.0	-23.20	Peak	1.00	150	Vertical	Pass
4**	8154.138	41.27	-1.37	54.0	-12.73	AV	1.00	150	Vertical	Pass
5	11484.125	53.11	0.83	74.0	-20.89	Peak	5.00	150	Vertical	Pass
5**	11484.125	43.63	0.83	54.0	-10.37	AV	5.00	150	Vertical	Pass
6	15771.900	52.98	1.07	74.0	-21.02	Peak	1.00	150	Vertical	Pass
6**	15771.900	44.19	1.07	54.0	-9.81	AV	1.00	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	1033.500	39.68	-16.36	74.0	-34.32	Peak	2.00	150	Horizontal	Pass
1**	1033.500	30.00	-16.36	54.0	-24.00	AV	2.00	150	Horizontal	Pass
2	2796.700	46.57	-6.84	74.0	-27.43	Peak	3.00	150	Horizontal	Pass
2**	2796.700	37.72	-6.84	54.0	-16.28	AV	3.00	150	Horizontal	Pass
3	3998.250	49.99	-2.94	74.0	-24.01	Peak	14.00	150	Horizontal	Pass
3**	3998.250	40.23	-2.94	54.0	-13.77	AV	14.00	150	Horizontal	Pass
4	5695.750	91.59	1.30	--	85.59	Peak	6.00	150	Horizontal	N/A
4**	5695.750	84.00	1.30	--	84.00	AV	6.00	150	Horizontal	N/A
5	10841.925	54.03	0.54	74.0	-19.97	Peak	8.00	150	Horizontal	Pass
5**	10841.925	43.12	0.54	54.0	-10.88	AV	8.00	150	Horizontal	Pass
6	15765.338	52.98	1.09	74.0	-21.02	Peak	4.00	150	Horizontal	Pass
6**	15765.338	45.23	1.09	54.0	-8.77	AV	4.00	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	1100.900	38.69	-16.80	74.0	-35.31	Peak	4.00	150	Vertical	Pass
1**	1100.900	28.70	-16.80	54.0	-25.30	AV	4.00	150	Vertical	Pass
2	2264.600	44.86	-9.41	74.0	-29.14	Peak	7.00	150	Vertical	Pass
2**	2264.600	35.08	-9.41	54.0	-18.92	AV	7.00	150	Vertical	Pass
3	4299.500	50.22	-1.66	74.0	-23.78	Peak	10.00	150	Vertical	Pass
3**	4299.500	41.23	-1.66	54.0	-12.77	AV	10.00	150	Vertical	Pass
4	5704.000	92.59	1.38	--	85.59	Peak	7.00	150	Vertical	N/A
4**	5704.000	85.07	1.38	--	85.07	AV	7.00	150	Vertical	N/A
5	11048.787	54.31	1.98	74.0	-19.69	Peak	5.00	150	Vertical	Pass
5**	11048.787	44.78	1.98	54.0	-9.22	AV	5.00	150	Vertical	Pass
6	15750.375	53.48	1.14	74.0	-20.52	Peak	10.00	150	Vertical	Pass
6**	15750.375	45.40	1.14	54.0	-8.60	AV	10.00	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	1160.600	39.46	-16.40	74.0	-34.54	Peak	5.00	150	Horizontal	Pass
1**	1160.600	28.83	-16.40	54.0	-25.17	AV	5.00	150	Horizontal	Pass
2	1562.300	39.99	-15.44	74.0	-34.01	Peak	3.00	150	Horizontal	Pass
2**	1562.300	30.48	-15.44	54.0	-23.52	AV	3.00	150	Horizontal	Pass
3	4028.750	50.23	-2.25	74.0	-23.77	Peak	4.00	150	Horizontal	Pass
3**	4028.750	39.31	-2.25	54.0	-14.69	AV	4.00	150	Horizontal	Pass
4	5494.750	93.13	0.72	--	88.13	Peak	5.00	150	Horizontal	N/A
4**	5494.750	85.44	0.72	--	85.44	AV	5.00	150	Horizontal	N/A
5	11237.363	54.12	1.90	74.0	-19.88	Peak	1.00	150	Horizontal	Pass
5**	11237.363	44.29	1.90	54.0	-9.71	AV	1.00	150	Horizontal	Pass
6	15944.100	53.06	0.93	74.0	-20.94	Peak	9.00	150	Horizontal	Pass
6**	15944.100	43.99	0.93	54.0	-10.01	AV	9.00	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	1182.000	39.07	-16.27	74.0	-34.93	Peak	13.00	150	Vertical	Pass
1**	1182.000	28.68	-16.27	54.0	-25.32	AV	13.00	150	Vertical	Pass
2	2802.700	46.95	-6.93	74.0	-27.05	Peak	11.00	150	Vertical	Pass
2**	2802.700	37.24	-6.93	54.0	-16.76	AV	11.00	150	Vertical	Pass
3	4048.000	50.12	-2.21	74.0	-23.88	Peak	5.00	150	Vertical	Pass
3**	4048.000	39.69	-2.21	54.0	-14.31	AV	5.00	150	Vertical	Pass
4	5495.250	93.17	0.73	--	88.17	Peak	5.00	150	Vertical	N/A
4**	5495.250	84.14	0.73	--	84.14	AV	5.00	150	Vertical	N/A
5	11296.263	53.64	2.36	74.0	-20.36	Peak	1.00	150	Vertical	Pass
5**	11296.263	45.49	2.36	54.0	-8.51	AV	1.00	150	Vertical	Pass
6	15728.850	53.22	0.88	74.0	-20.78	Peak	6.00	150	Vertical	Pass
6**	15728.850	43.58	0.88	54.0	-10.42	AV	6.00	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	1161.200	38.50	-16.38	74.0	-35.50	Peak	8.00	150	Horizontal	Pass
1**	1161.200	29.60	-16.38	54.0	-24.40	AV	8.00	150	Horizontal	Pass
2	2217.700	45.29	-9.81	74.0	-28.71	Peak	8.00	150	Horizontal	Pass
2**	2217.700	33.55	-9.81	54.0	-20.45	AV	8.00	150	Horizontal	Pass
3	3998.500	49.26	-2.92	74.0	-24.74	Peak	11.00	150	Horizontal	Pass
3**	3998.500	39.35	-2.92	54.0	-14.65	AV	11.00	150	Horizontal	Pass
4	5587.250	92.20	0.90	--	91.20	Peak	1.00	150	Horizontal	N/A
4**	5587.250	84.45	0.90	--	84.45	AV	1.00	150	Horizontal	N/A
5	10960.912	53.09	1.17	74.0	-20.91	Peak	3.00	150	Horizontal	Pass
5**	10960.912	43.94	1.17	54.0	-10.06	AV	3.00	150	Horizontal	Pass
6	15891.863	52.69	0.45	74.0	-21.31	Peak	8.00	150	Horizontal	Pass
6**	15891.863	43.11	0.45	54.0	-10.89	AV	8.00	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	1103.500	37.97	-16.75	74.0	-36.03	Peak	13.00	150	Vertical	Pass
1**	1103.500	29.37	-16.75	54.0	-24.63	AV	13.00	150	Vertical	Pass
2	3921.000	49.18	-2.28	74.0	-24.82	Peak	10.00	150	Vertical	Pass
2**	3921.000	39.03	-2.28	54.0	-14.97	AV	10.00	150	Vertical	Pass
3	5572.000	86.91	1.46	--	79.91	Peak	7.00	150	Vertical	N/A
3**	5572.000	80.26	1.46	--	80.26	AV	7.00	150	Vertical	N/A
4	8170.763	50.47	-1.31	74.0	-23.53	Peak	15.00	150	Vertical	Pass
4**	8170.763	40.94	-1.31	54.0	-13.06	AV	15.00	150	Vertical	Pass
5	11264.675	53.69	1.96	74.0	-20.31	Peak	1.00	150	Vertical	Pass
5**	11264.675	44.96	1.96	54.0	-9.04	AV	1.00	150	Vertical	Pass
6	15782.925	52.92	1.03	74.0	-21.08	Peak	7.00	150	Vertical	Pass
6**	15782.925	43.95	1.03	54.0	-10.05	AV	7.00	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	1159.900	38.99	-16.38	74.0	-35.01	Peak	13.00	150	Horizontal	Pass
1**	1159.900	29.24	-16.38	54.0	-24.76	AV	13.00	150	Horizontal	Pass
2	4214.000	50.46	-0.89	74.0	-23.54	Peak	7.00	150	Horizontal	Pass
2**	4214.000	40.07	-0.89	54.0	-13.93	AV	7.00	150	Horizontal	Pass
3	5693.250	90.32	1.17	--	84.32	Peak	6.00	150	Horizontal	N/A
3**	5693.250	82.89	1.17	--	82.89	AV	6.00	150	Horizontal	N/A
4	8335.112	49.96	-1.45	74.0	-24.04	Peak	14.00	150	Horizontal	Pass
4**	8335.112	41.68	-1.45	54.0	-12.32	AV	14.00	150	Horizontal	Pass
5	11481.037	54.29	0.90	74.0	-19.71	Peak	13.00	150	Horizontal	Pass
5**	11481.037	44.21	0.90	54.0	-9.79	AV	13.00	150	Horizontal	Pass
6	15816.787	53.22	0.68	74.0	-20.78	Peak	5.00	150	Horizontal	Pass
6**	15816.787	43.77	0.68	54.0	-10.23	AV	5.00	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	1194.100	39.27	-16.26	74.0	-34.73	Peak	13.00	150	Vertical	Pass
1**	1194.100	28.73	-16.26	54.0	-25.27	AV	13.00	150	Vertical	Pass
2	2260.600	45.69	-9.67	74.0	-28.31	Peak	4.00	150	Vertical	Pass
2**	2260.600	34.64	-9.67	54.0	-19.36	AV	4.00	150	Vertical	Pass
3	4201.000	50.04	-1.41	74.0	-23.96	Peak	1.00	150	Vertical	Pass
3**	4201.000	40.28	-1.41	54.0	-13.72	AV	1.00	150	Vertical	Pass
4	5701.500	90.88	1.46	--	75.88	Peak	15.00	150	Vertical	N/A
4**	5701.500	83.51	1.46	--	83.51	AV	15.00	150	Vertical	N/A
5	11271.088	54.22	2.04	74.0	-19.78	Peak	7.00	150	Vertical	Pass
5**	11271.088	45.54	2.04	54.0	-8.46	AV	7.00	150	Vertical	Pass
6	15764.287	53.90	1.09	74.0	-20.10	Peak	15.00	150	Vertical	Pass
6**	15764.287	44.04	1.09	54.0	-9.96	AV	15.00	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	1093.200	39.42	-16.73	74.0	-34.58	Peak	15.00	150	Horizontal	Pass
1**	1093.200	31.25	-16.73	54.0	-22.75	AV	15.00	150	Horizontal	Pass
2	1561.000	40.24	-15.41	74.0	-33.76	Peak	12.00	150	Horizontal	Pass
2**	1561.000	29.70	-15.41	54.0	-24.30	AV	12.00	150	Horizontal	Pass
3	4033.250	49.64	-2.00	74.0	-24.36	Peak	9.00	150	Horizontal	Pass
3**	4033.250	39.50	-2.00	54.0	-14.50	AV	9.00	150	Horizontal	Pass
4	5519.500	90.21	1.52	--	75.21	Peak	15.00	150	Horizontal	N/A
4**	5519.500	82.58	1.52	--	82.58	AV	15.00	150	Horizontal	N/A
5	10779.938	53.26	1.52	74.0	-20.74	Peak	14.00	150	Horizontal	Pass
5**	10779.938	44.91	1.52	54.0	-9.09	AV	14.00	150	Horizontal	Pass
6	15755.888	53.72	1.12	74.0	-20.28	Peak	6.00	150	Horizontal	Pass
6**	15755.888	44.53	1.12	54.0	-9.47	AV	6.00	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	1181.900	38.89	-16.28	74.0	-35.11	Peak	2.00	150	Vertical	Pass
1**	1181.900	28.37	-16.28	54.0	-25.63	AV	2.00	150	Vertical	Pass
2	2275.800	45.08	-9.93	74.0	-28.92	Peak	11.00	150	Vertical	Pass
2**	2275.800	35.72	-9.93	54.0	-18.28	AV	11.00	150	Vertical	Pass
3	3876.750	49.68	-2.74	74.0	-24.32	Peak	15.00	150	Vertical	Pass
3**	3876.750	38.67	-2.74	54.0	-15.33	AV	15.00	150	Vertical	Pass
4	5522.500	89.18	1.61	--	77.18	Peak	12.00	150	Vertical	N/A
4**	5522.500	81.80	1.61	--	81.80	AV	12.00	150	Vertical	N/A
5	11037.388	53.59	1.73	74.0	-20.41	Peak	9.00	150	Vertical	Pass
5**	11037.388	45.39	1.73	54.0	-8.61	AV	9.00	150	Vertical	Pass
6	15934.125	53.16	0.84	74.0	-20.84	Peak	10.00	150	Vertical	Pass
6**	15934.125	44.04	0.84	54.0	-9.96	AV	10.00	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	1078.100	39.61	-16.81	74.0	-34.39	Peak	4.00	150	Horizontal	Pass
1**	1078.100	30.95	-16.81	54.0	-23.05	AV	4.00	150	Horizontal	Pass
2	2830.700	47.41	-6.35	74.0	-26.59	Peak	10.00	150	Horizontal	Pass
2**	2830.700	36.39	-6.35	54.0	-17.61	AV	10.00	150	Horizontal	Pass
3	5040.500	53.15	0.44	74.0	-20.85	Peak	13.00	150	Horizontal	Pass
3**	5040.500	43.03	0.44	54.0	-10.97	AV	13.00	150	Horizontal	Pass
4	5599.000	89.69	0.83	--	78.69	Peak	11.00	150	Horizontal	N/A
4**	5599.000	83.01	0.83	--	83.01	AV	11.00	150	Horizontal	N/A
5	11952.713	53.94	2.64	74.0	-20.06	Peak	6.00	150	Horizontal	Pass
5**	11952.713	45.34	2.64	54.0	-8.66	AV	6.00	150	Horizontal	Pass
6	15958.799	53.68	0.93	74.0	-20.32	Peak	7.00	150	Horizontal	Pass
6**	15958.799	43.84	0.93	54.0	-10.16	AV	7.00	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	1320.800	40.59	-15.50	74.0	-33.41	Peak	7.00	150	Vertical	Pass
1**	1320.800	30.23	-15.50	54.0	-23.77	AV	7.00	150	Vertical	Pass
2	2762.000	46.49	-6.90	74.0	-27.51	Peak	13.00	150	Vertical	Pass
2**	2762.000	37.19	-6.90	54.0	-16.81	AV	13.00	150	Vertical	Pass
3	4938.500	53.06	0.94	74.0	-20.94	Peak	13.00	150	Vertical	Pass
3**	4938.500	44.28	0.94	54.0	-9.72	AV	13.00	150	Vertical	Pass
4	5574.250	89.71	1.34	--	77.71	Peak	12.00	150	Vertical	N/A
4**	5574.250	82.41	1.34	--	82.41	AV	12.00	150	Vertical	N/A
5	11460.138	54.31	1.38	74.0	-19.69	Peak	5.00	150	Vertical	Pass
5**	11460.138	45.06	1.38	54.0	-8.94	AV	5.00	150	Vertical	Pass
6	15979.275	52.67	0.79	74.0	-21.33	Peak	9.00	150	Vertical	Pass
6**	15979.275	43.91	0.79	54.0	-10.09	AV	9.00	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	1388.500	40.39	-15.18	74.0	-33.61	Peak	6.00	150	Horizontal	Pass
1**	1388.500	29.39	-15.18	54.0	-24.61	AV	6.00	150	Horizontal	Pass
2	2808.400	46.84	-6.84	74.0	-27.16	Peak	3.00	150	Horizontal	Pass
2**	2808.400	36.34	-6.84	54.0	-17.66	AV	3.00	150	Horizontal	Pass
3	5668.500	87.92	1.06	--	76.92	Peak	11.00	150	Horizontal	N/A
3**	5668.500	80.48	1.06	--	80.48	AV	11.00	150	Horizontal	N/A
4	8346.988	51.82	-1.24	74.0	-22.18	Peak	2.00	150	Horizontal	Pass
4**	8346.988	41.57	-1.24	54.0	-12.43	AV	2.00	150	Horizontal	Pass
5	11958.175	54.43	2.64	74.0	-19.57	Peak	8.00	150	Horizontal	Pass
5**	11958.175	45.02	2.64	54.0	-8.98	AV	8.00	150	Horizontal	Pass
6	15831.224	53.29	0.42	74.0	-20.71	Peak	8.00	150	Horizontal	Pass
6**	15831.224	42.78	0.42	54.0	-11.22	AV	8.00	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	1150.900	38.42	-16.44	74.0	-35.58	Peak	13.00	150	Vertical	Pass
1**	1150.900	29.28	-16.44	54.0	-24.72	AV	13.00	150	Vertical	Pass
2	2864.100	47.38	-6.52	74.0	-26.62	Peak	1.00	150	Vertical	Pass
2**	2864.100	37.24	-6.52	54.0	-16.76	AV	1.00	150	Vertical	Pass
3	5683.000	86.96	0.71	--	82.96	Peak	4.00	150	Vertical	N/A
3**	5683.000	79.27	0.71	--	79.27	AV	4.00	150	Vertical	N/A
4	8265.050	51.52	-1.01	74.0	-22.48	Peak	7.00	150	Vertical	Pass
4**	8265.050	42.11	-1.01	54.0	-11.89	AV	7.00	150	Vertical	Pass
5	11287.950	54.22	2.25	74.0	-19.78	Peak	3.00	150	Vertical	Pass
5**	11287.950	45.28	2.25	54.0	-8.72	AV	3.00	150	Vertical	Pass
6	15770.588	53.49	1.07	74.0	-20.51	Peak	15.00	150	Vertical	Pass
6**	15770.588	44.20	1.07	54.0	-9.80	AV	15.00	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	1505.700	38.80	-17.59	74.0	-35.20	Peak	298.00	150	Horizontal	Pass
1**	1505.700	29.83	-17.59	54.0	-24.17	AV	298.00	150	Horizontal	Pass
2	2835.200	44.40	-10.40	74.0	-29.60	Peak	298.00	150	Horizontal	Pass
2**	2835.200	34.22	-10.40	54.0	-19.78	AV	298.00	150	Horizontal	Pass
3	3830.000	51.24	-4.96	74.0	-22.76	Peak	87.00	150	Horizontal	Pass
3**	3830.000	45.33	-4.96	54.0	-8.67	AV	87.00	150	Horizontal	Pass
4	5740.600	96.60	-2.31	--	--	Peak	105.00	150	Horizontal	N/A
4**	5740.600	88.43	-2.31	--	--	AV	105.00	150	Horizontal	N/A
5	11624.150	51.73	-0.12	74.0	-22.27	Peak	161.00	150	Horizontal	Pass
5**	11624.150	41.73	-0.12	54.0	-12.27	AV	161.00	150	Horizontal	Pass
6	15787.388	54.29	1.90	74.0	-19.71	Peak	360.00	150	Horizontal	Pass
6**	15787.388	45.45	1.90	54.0	-8.55	AV	360.00	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	1534.500	39.62	-17.49	74.0	-34.38	Peak	60.00	150	Vertical	Pass
1**	1534.500	34.94	-17.49	54.0	-19.06	AV	60.00	150	Vertical	Pass
2	2778.400	43.90	-10.42	74.0	-30.10	Peak	0.00	150	Vertical	Pass
2**	2778.400	34.21	-10.42	54.0	-19.79	AV	0.00	150	Vertical	Pass
3	3830.200	49.66	-4.96	74.0	-24.34	Peak	107.00	150	Vertical	Pass
3**	3830.200	46.44	-4.96	54.0	-7.56	AV	107.00	150	Vertical	Pass
4	5738.200	100.44	-2.30	--	--	Peak	107.00	150	Vertical	N/A
4**	5738.200	92.58	-2.30	--	--	AV	107.00	150	Vertical	N/A
5	11522.662	51.33	-0.46	74.0	-22.67	Peak	0.00	150	Vertical	Pass
5**	11522.662	41.72	-0.46	54.0	-12.28	AV	0.00	150	Vertical	Pass
6	15519.112	55.02	1.38	74.0	-18.98	Peak	360.00	150	Vertical	Pass
6**	15519.112	45.44	1.38	54.0	-8.56	AV	360.00	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	1348.100	40.37	-17.35	74.0	-33.63	Peak	27.00	150	Horizontal	Pass
1**	1348.100	31.59	-17.35	54.0	-22.41	AV	27.00	150	Horizontal	Pass
2	2789.600	43.54	-10.58	74.0	-30.46	Peak	125.00	150	Horizontal	Pass
2**	2789.600	35.00	-10.58	54.0	-19.00	AV	125.00	150	Horizontal	Pass
3	3856.800	49.94	-5.88	74.0	-24.06	Peak	92.00	150	Horizontal	Pass
3**	3856.800	47.16	-5.88	54.0	-6.84	AV	92.00	150	Horizontal	Pass
4	5788.800	97.14	-2.47	--	--	Peak	225.00	150	Horizontal	N/A
4**	5788.800	89.09	-2.47	--	--	AV	225.00	150	Horizontal	N/A
5	11187.724	51.28	-0.47	74.0	-22.72	Peak	186.00	150	Horizontal	Pass
5**	11187.724	41.09	-0.47	54.0	-12.91	AV	186.00	150	Horizontal	Pass
6	15814.688	54.36	2.07	74.0	-19.64	Peak	334.00	150	Horizontal	Pass
6**	15814.688	45.88	2.07	54.0	-8.12	AV	334.00	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	1542.600	39.11	-17.57	74.0	-34.89	Peak	46.00	150	Vertical	Pass
1**	1542.600	29.23	-17.57	54.0	-24.77	AV	46.00	150	Vertical	Pass
2	2817.200	43.91	-10.20	74.0	-30.09	Peak	-1.00	150	Vertical	Pass
2**	2817.200	34.77	-10.20	54.0	-19.23	AV	-1.00	150	Vertical	Pass
3	3856.800	50.26	-5.88	74.0	-23.74	Peak	97.00	150	Vertical	Pass
3**	3856.800	47.56	-5.88	54.0	-6.44	AV	97.00	150	Vertical	Pass
4	5787.600	100.95	-2.46	--	--	Peak	113.00	150	Vertical	N/A
4**	5787.600	92.85	-2.46	--	--	AV	113.00	150	Vertical	N/A
5	11498.800	51.25	0.05	74.0	-22.75	Peak	162.00	150	Vertical	Pass
5**	11498.800	41.96	0.05	54.0	-12.04	AV	162.00	150	Vertical	Pass
6	15825.450	54.39	1.63	74.0	-19.61	Peak	172.00	150	Vertical	Pass
6**	15825.450	45.19	1.63	54.0	-8.81	AV	172.00	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	1535.600	38.78	-17.47	74.0	-35.22	Peak	121.00	150	Horizontal	Pass
1**	1535.600	30.48	-17.47	54.0	-23.52	AV	121.00	150	Horizontal	Pass
2	2770.600	44.16	-10.53	74.0	-29.84	Peak	360.00	150	Horizontal	Pass
2**	2770.600	35.28	-10.53	54.0	-18.72	AV	360.00	150	Horizontal	Pass
3	3883.200	51.18	-5.52	74.0	-22.82	Peak	99.00	150	Horizontal	Pass
3**	3883.200	46.80	-5.52	54.0	-7.20	AV	99.00	150	Horizontal	Pass
4	5819.000	97.96	-2.54	--	--	Peak	99.00	150	Horizontal	N/A
4**	5819.000	89.54	-2.54	--	--	AV	99.00	150	Horizontal	N/A
5	11452.800	51.09	-0.08	74.0	-22.91	Peak	45.00	150	Horizontal	Pass
5**	11452.800	41.43	-0.08	54.0	-12.57	AV	45.00	150	Horizontal	Pass
6	15805.237	54.16	2.27	74.0	-19.84	Peak	133.00	150	Horizontal	Pass
6**	15805.237	46.36	2.27	54.0	-7.64	AV	133.00	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	1527.600	40.57	-17.50	74.0	-33.43	Peak	94.00	150	Vertical	Pass
1**	1527.600	29.12	-17.50	54.0	-24.88	AV	94.00	150	Vertical	Pass
2	2802.600	44.45	-10.45	74.0	-29.55	Peak	217.00	150	Vertical	Pass
2**	2802.600	34.54	-10.45	54.0	-19.46	AV	217.00	150	Vertical	Pass
3	3883.200	51.36	-5.52	74.0	-22.64	Peak	114.00	150	Vertical	Pass
3**	3883.200	47.61	-5.52	54.0	-6.39	AV	114.00	150	Vertical	Pass
4	5820.800	100.77	-2.56	--	--	Peak	114.00	150	Vertical	N/A
4**	5820.800	93.59	-2.56	--	--	AV	114.00	150	Vertical	N/A
5	11941.262	52.63	1.65	74.0	-21.37	Peak	4.00	150	Vertical	Pass
5**	11941.262	43.02	1.65	54.0	-10.98	AV	4.00	150	Vertical	Pass
6	15808.650	54.69	2.19	74.0	-19.31	Peak	76.00	150	Vertical	Pass
6**	15808.650	45.77	2.19	54.0	-8.23	AV	76.00	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	1568.300	40.19	-17.51	74.0	-33.81	Peak	140.00	150	Horizontal	Pass
1**	1568.300	29.11	-17.51	54.0	-24.89	AV	140.00	150	Horizontal	Pass
2	2758.200	43.55	-10.91	74.0	-30.45	Peak	114.00	150	Horizontal	Pass
2**	2758.200	33.61	-10.91	54.0	-20.39	AV	114.00	150	Horizontal	Pass
3	3829.800	48.74	-4.97	74.0	-25.26	Peak	84.00	150	Horizontal	Pass
3**	3829.800	44.88	-4.97	54.0	-9.12	AV	84.00	150	Horizontal	Pass
4	5738.400	96.88	-2.31	--	--	Peak	240.00	150	Horizontal	N/A
4**	5738.400	89.31	-2.31	--	--	AV	240.00	150	Horizontal	N/A
5	11476.950	51.75	-0.08	74.0	-22.25	Peak	74.00	150	Horizontal	Pass
5**	11476.950	41.31	-0.08	54.0	-12.69	AV	74.00	150	Horizontal	Pass
6	15818.625	54.56	1.93	74.0	-19.44	Peak	195.00	150	Horizontal	Pass
6**	15818.625	45.50	1.93	54.0	-8.50	AV	195.00	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	1548.900	38.93	-17.51	74.0	-35.07	Peak	87.00	150	Vertical	Pass
1**	1548.900	29.20	-17.51	54.0	-24.80	AV	87.00	150	Vertical	Pass
2	2821.800	44.40	-10.23	74.0	-29.60	Peak	-3.00	150	Vertical	Pass
2**	2821.800	35.46	-10.23	54.0	-18.54	AV	-3.00	150	Vertical	Pass
3	3829.600	50.98	-4.97	74.0	-23.02	Peak	73.00	150	Vertical	Pass
3**	3829.600	42.63	-4.97	54.0	-11.37	AV	73.00	150	Vertical	Pass
4	5748.400	99.86	-2.16	--	--	Peak	110.00	150	Vertical	N/A
4**	5748.400	91.58	-2.16	--	--	AV	110.00	150	Vertical	N/A
5	12025.787	53.19	0.81	74.0	-20.81	Peak	297.00	150	Vertical	Pass
5**	12025.787	43.39	0.81	54.0	-10.61	AV	297.00	150	Vertical	Pass
6	15823.350	54.65	1.72	74.0	-19.35	Peak	72.00	150	Vertical	Pass
6**	15823.350	45.47	1.72	54.0	-8.53	AV	72.00	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	1482.300	39.15	-17.55	74.0	-34.85	Peak	109.00	150	Horizontal	Pass
1**	1482.300	28.56	-17.55	54.0	-25.44	AV	109.00	150	Horizontal	Pass
2	2783.200	43.80	-10.51	74.0	-30.20	Peak	6.00	150	Horizontal	Pass
2**	2783.200	34.28	-10.51	54.0	-19.72	AV	6.00	150	Horizontal	Pass
3	3856.400	50.57	-5.89	74.0	-23.43	Peak	104.00	150	Horizontal	Pass
3**	3856.400	45.81	-5.89	54.0	-8.19	AV	104.00	150	Horizontal	Pass
4	5786.800	98.02	-2.47	--	--	Peak	226.00	150	Horizontal	N/A
4**	5786.800	89.83	-2.47	--	--	AV	226.00	150	Horizontal	N/A
5	11479.825	51.76	-0.02	74.0	-22.24	Peak	187.00	150	Horizontal	Pass
5**	11479.825	42.46	-0.02	54.0	-11.54	AV	187.00	150	Horizontal	Pass
6	15788.174	54.43	1.93	74.0	-19.57	Peak	47.00	150	Horizontal	Pass
6**	15788.174	45.26	1.93	54.0	-8.74	AV	47.00	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	1550.600	41.76	-17.40	74.0	-32.24	Peak	159.00	150	Vertical	Pass
1**	1550.600	30.67	-17.40	54.0	-23.33	AV	159.00	150	Vertical	Pass
2	2790.700	43.63	-10.62	74.0	-30.37	Peak	210.00	150	Vertical	Pass
2**	2790.700	34.75	-10.62	54.0	-19.25	AV	210.00	150	Vertical	Pass
3	3856.800	50.72	-5.88	74.0	-23.28	Peak	223.00	150	Vertical	Pass
3**	3856.800	47.51	-5.88	54.0	-6.49	AV	223.00	150	Vertical	Pass
4	5780.800	100.17	-2.14	--	--	Peak	117.00	150	Vertical	N/A
4**	5780.800	91.69	-2.14	--	--	AV	117.00	150	Vertical	N/A
5	11443.313	51.08	-0.04	74.0	-22.92	Peak	43.00	150	Vertical	Pass
5**	11443.313	41.88	-0.04	54.0	-12.12	AV	43.00	150	Vertical	Pass
6	15822.037	54.58	1.78	74.0	-19.42	Peak	45.00	150	Vertical	Pass
6**	15822.037	45.75	1.78	54.0	-8.25	AV	45.00	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	1529.600	38.91	-17.54	74.0	-35.09	Peak	345.00	150	Horizontal	Pass
1**	1529.600	29.31	-17.54	54.0	-24.69	AV	345.00	150	Horizontal	Pass
2	2833.200	44.98	-10.34	74.0	-29.02	Peak	27.00	150	Horizontal	Pass
2**	2833.200	35.05	-10.34	54.0	-18.95	AV	27.00	150	Horizontal	Pass
3	3883.400	50.94	-5.51	74.0	-23.06	Peak	88.00	150	Horizontal	Pass
3**	3883.400	47.71	-5.51	54.0	-6.29	AV	88.00	150	Horizontal	Pass
4	5820.600	97.01	-2.58	--	--	Peak	88.00	150	Horizontal	N/A
4**	5820.600	88.75	-2.58	--	--	AV	88.00	150	Horizontal	N/A
5	11647.438	51.97	-0.18	74.0	-22.03	Peak	184.00	150	Horizontal	Pass
5**	11647.438	42.66	-0.18	54.0	-11.34	AV	184.00	150	Horizontal	Pass
6	15804.188	54.27	2.28	74.0	-19.73	Peak	224.00	150	Horizontal	Pass
6**	15804.188	45.92	2.28	54.0	-8.08	AV	224.00	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	1485.300	38.94	-17.59	74.0	-35.06	Peak	360.00	150	Vertical	Pass
1**	1485.300	31.95	-17.59	54.0	-22.05	AV	360.00	150	Vertical	Pass
2	2814.000	44.08	-10.03	74.0	-29.92	Peak	159.00	150	Vertical	Pass
2**	2814.000	34.93	-10.03	54.0	-19.07	AV	159.00	150	Vertical	Pass
3	3883.200	50.90	-5.52	74.0	-23.10	Peak	103.00	150	Vertical	Pass
3**	3883.200	47.66	-5.52	54.0	-6.34	AV	103.00	150	Vertical	Pass
4	5822.400	100.39	-2.43	--	--	Peak	85.00	150	Vertical	N/A
4**	5822.400	93.10	-2.43	--	--	AV	85.00	150	Vertical	N/A
5	11652.325	51.34	-0.10	74.0	-22.66	Peak	0.00	150	Vertical	Pass
5**	11652.325	42.52	-0.10	54.0	-11.48	AV	0.00	150	Vertical	Pass
6	15526.462	55.42	1.31	74.0	-18.58	Peak	356.00	150	Vertical	Pass
6**	15526.462	45.04	1.31	54.0	-8.96	AV	356.00	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	1506.200	39.05	-17.59	74.0	-34.95	Peak	202.00	150	Horizontal	Pass
1**	1506.200	29.75	-17.59	54.0	-24.25	AV	202.00	150	Horizontal	Pass
2	2767.800	44.29	-10.71	74.0	-29.71	Peak	93.00	150	Horizontal	Pass
2**	2767.800	34.98	-10.71	54.0	-19.02	AV	93.00	150	Horizontal	Pass
3	3836.800	50.66	-4.72	74.0	-23.34	Peak	95.00	150	Horizontal	Pass
3**	3836.800	47.84	-4.72	54.0	-6.16	AV	95.00	150	Horizontal	Pass
4	5763.200	94.65	-1.83	--	--	Peak	95.00	150	Horizontal	N/A
4**	5763.200	87.02	-1.83	--	--	AV	95.00	150	Horizontal	N/A
5	11338.087	51.87	0.30	74.0	-22.13	Peak	265.00	150	Horizontal	Pass
5**	11338.087	40.96	0.30	54.0	-13.04	AV	265.00	150	Horizontal	Pass
6	15809.175	54.38	2.18	74.0	-19.62	Peak	227.00	150	Horizontal	Pass
6**	15809.175	45.70	2.18	54.0	-8.30	AV	227.00	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	1534.600	38.83	-17.49	74.0	-35.17	Peak	338.00	150	Vertical	Pass
1**	1534.600	33.22	-17.49	54.0	-20.78	AV	338.00	150	Vertical	Pass
2	2742.600	44.27	-10.93	74.0	-29.73	Peak	0.00	150	Vertical	Pass
2**	2742.600	34.74	-10.93	54.0	-19.26	AV	0.00	150	Vertical	Pass
3	3837.000	50.72	-4.72	74.0	-23.28	Peak	93.00	150	Vertical	Pass
3**	3837.000	47.26	-4.72	54.0	-6.74	AV	93.00	150	Vertical	Pass
4	5750.000	97.21	-2.16	--	--	Peak	113.00	150	Vertical	N/A
4**	5750.000	88.70	-2.16	--	--	AV	113.00	150	Vertical	N/A
5	11441.299	51.65	-0.07	74.0	-22.35	Peak	264.00	150	Vertical	Pass
5**	11441.299	41.83	-0.07	54.0	-12.17	AV	264.00	150	Vertical	Pass
6	15817.575	54.39	1.97	74.0	-19.61	Peak	360.00	150	Vertical	Pass
6**	15817.575	45.86	1.97	54.0	-8.14	AV	360.00	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	1495.500	40.53	-17.58	74.0	-33.47	Peak	0.00	150	Horizontal	Pass
1**	1495.500	30.58	-17.58	54.0	-23.42	AV	0.00	150	Horizontal	Pass
2	2751.800	43.98	-10.84	74.0	-30.02	Peak	-3.00	150	Horizontal	Pass
2**	2751.800	36.45	-10.84	54.0	-17.55	AV	-3.00	150	Horizontal	Pass
3	3863.200	51.12	-5.92	74.0	-22.88	Peak	108.00	150	Horizontal	Pass
3**	3863.200	47.11	-5.92	54.0	-6.89	AV	108.00	150	Horizontal	Pass
4	5788.400	94.08	-2.46	--	--	Peak	226.00	150	Horizontal	N/A
4**	5788.400	86.63	-2.46	--	--	AV	226.00	150	Horizontal	N/A
5	11497.362	51.16	0.05	74.0	-22.84	Peak	61.00	150	Horizontal	Pass
5**	11497.362	41.47	0.05	54.0	-12.53	AV	61.00	150	Horizontal	Pass
6	15528.825	54.26	1.18	74.0	-19.74	Peak	354.00	150	Horizontal	Pass
6**	15528.825	45.68	1.18	54.0	-8.32	AV	354.00	150	Horizontal	Pass

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

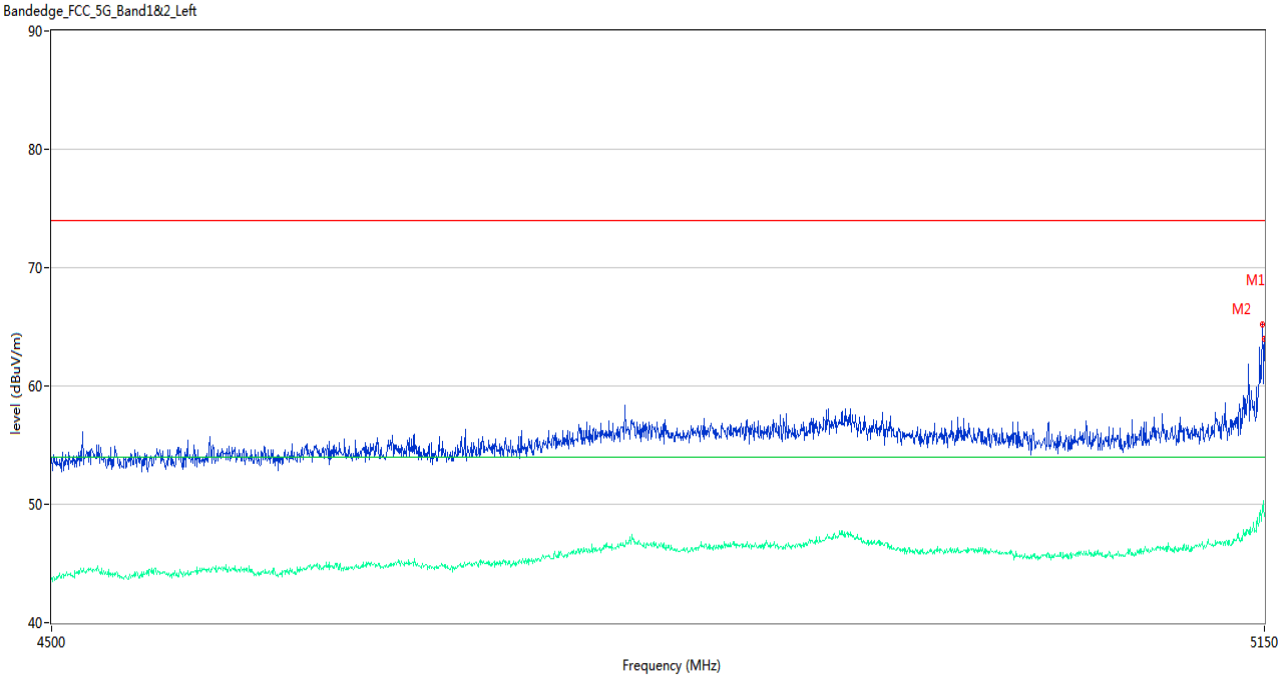
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.300	38.63	-17.56	74.0	-35.37	Peak	20.00	150	Vertical	Pass
1**	1511.300	29.15	-17.56	54.0	-24.85	AV	20.00	150	Vertical	Pass
2	2799.400	43.53	-10.56	74.0	-30.47	Peak	280.00	150	Vertical	Pass
2**	2799.400	34.45	-10.56	54.0	-19.55	AV	280.00	150	Vertical	Pass
3	3863.400	51.23	-5.93	74.0	-22.77	Peak	96.00	150	Vertical	Pass
3**	3863.400	48.29	-5.93	54.0	-5.71	AV	96.00	150	Vertical	Pass
4	5791.800	97.27	-2.57	--	--	Peak	115.00	150	Vertical	N/A
4**	5791.800	89.44	-2.57	--	--	AV	115.00	150	Vertical	N/A
5	11438.425	51.07	-0.08	74.0	-22.93	Peak	96.00	150	Vertical	Pass
5**	11438.425	42.10	-0.08	54.0	-11.90	AV	96.00	150	Vertical	Pass
6	15813.900	54.45	2.08	74.0	-19.55	Peak	238.00	150	Vertical	Pass
6**	15813.900	46.17	2.08	54.0	-7.83	AV	238.00	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
U-NII-3	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass

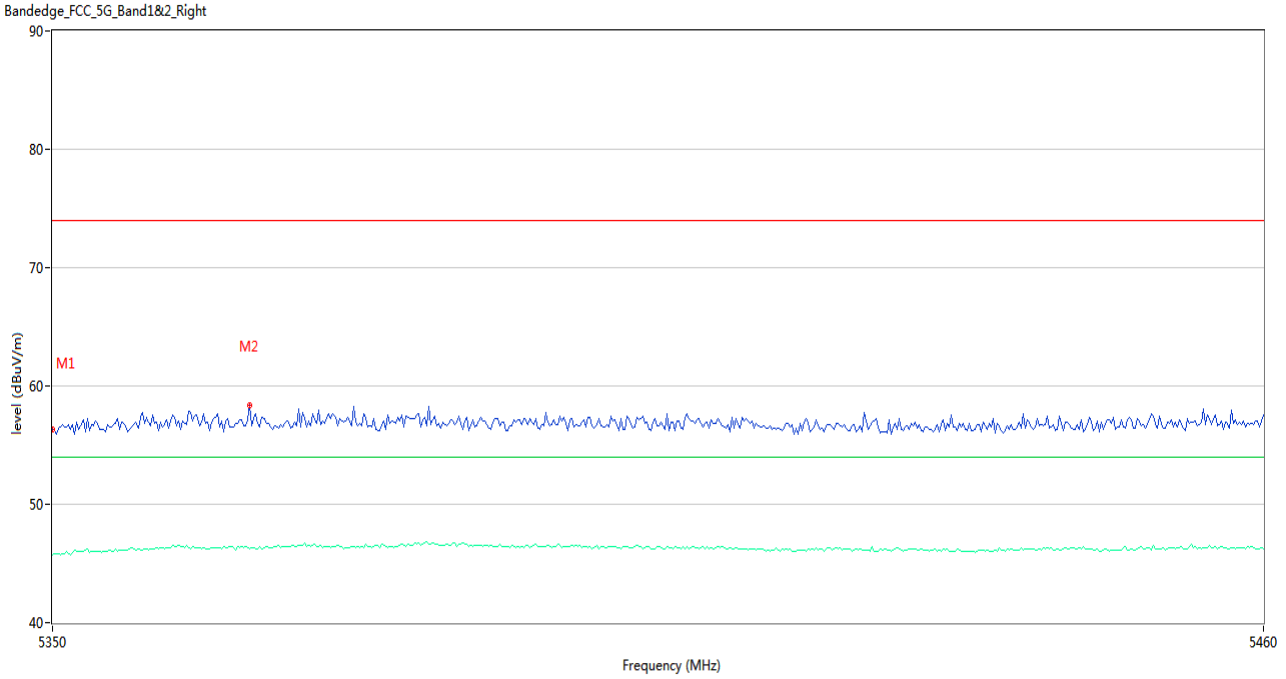
Test Data and Plots

U-NII-1 11a CH36



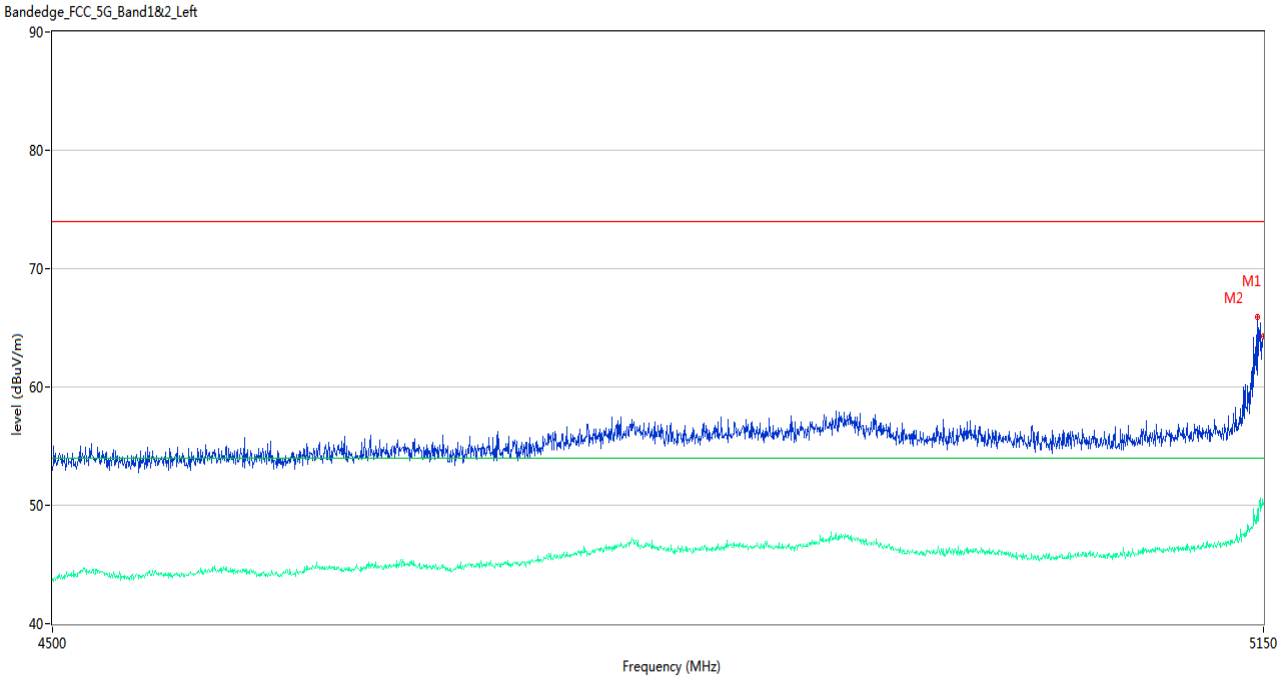
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	64.00	-2.78	74.0	-10.00	Peak	277.00	150	Vertical	Pass
1**	5150.000	48.94	-2.78	54.0	-5.06	AV	277.00	150	Vertical	Pass
2	5149.025	65.21	-2.66	74.0	-8.79	Peak	277.00	150	Vertical	Pass
2**	5149.025	49.45	-2.66	54.0	-4.55	AV	277.00	150	Vertical	Pass

U-NII-1 11a CH48



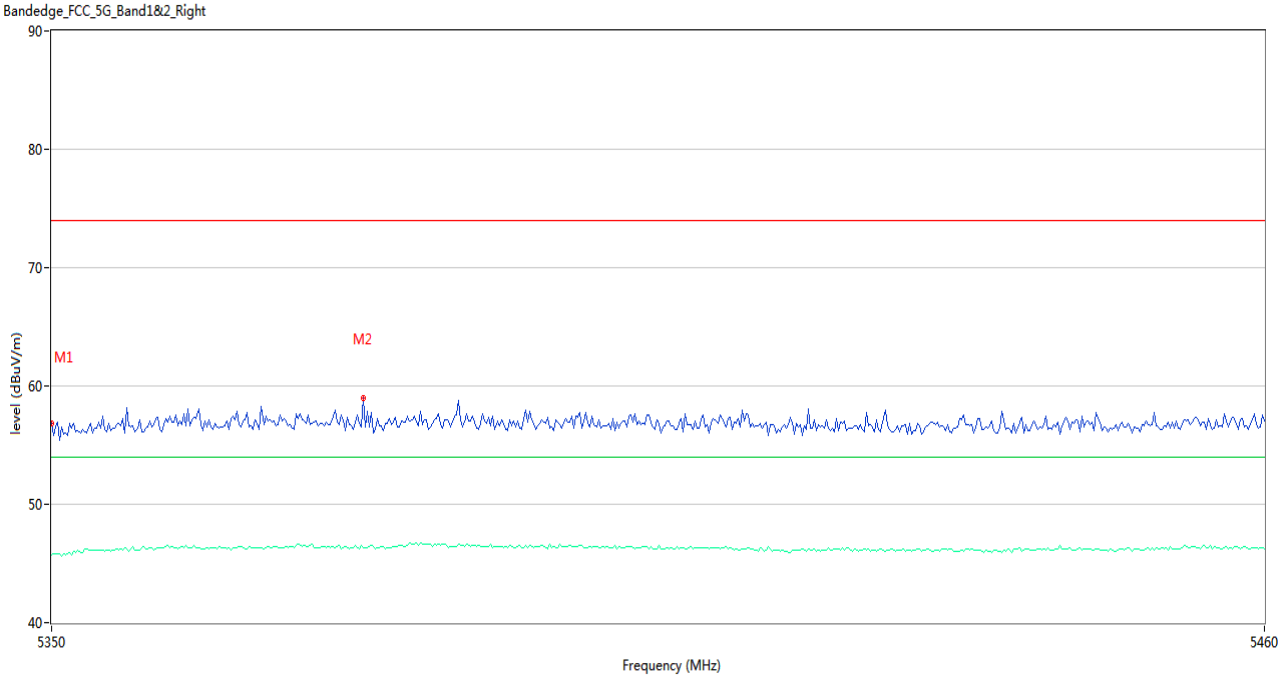
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.32	-3.02	74.0	-17.68	Peak	165.00	150	Vertical	Pass
1**	5350.000	45.72	-3.02	54.0	-8.28	AV	165.00	150	Vertical	Pass
2	5367.783	58.33	-2.66	74.0	-15.67	Peak	0.00	150	Vertical	Pass
2**	5367.783	46.26	-2.66	54.0	-7.74	AV	0.00	150	Vertical	Pass

U-NII-1 11n20 CH36



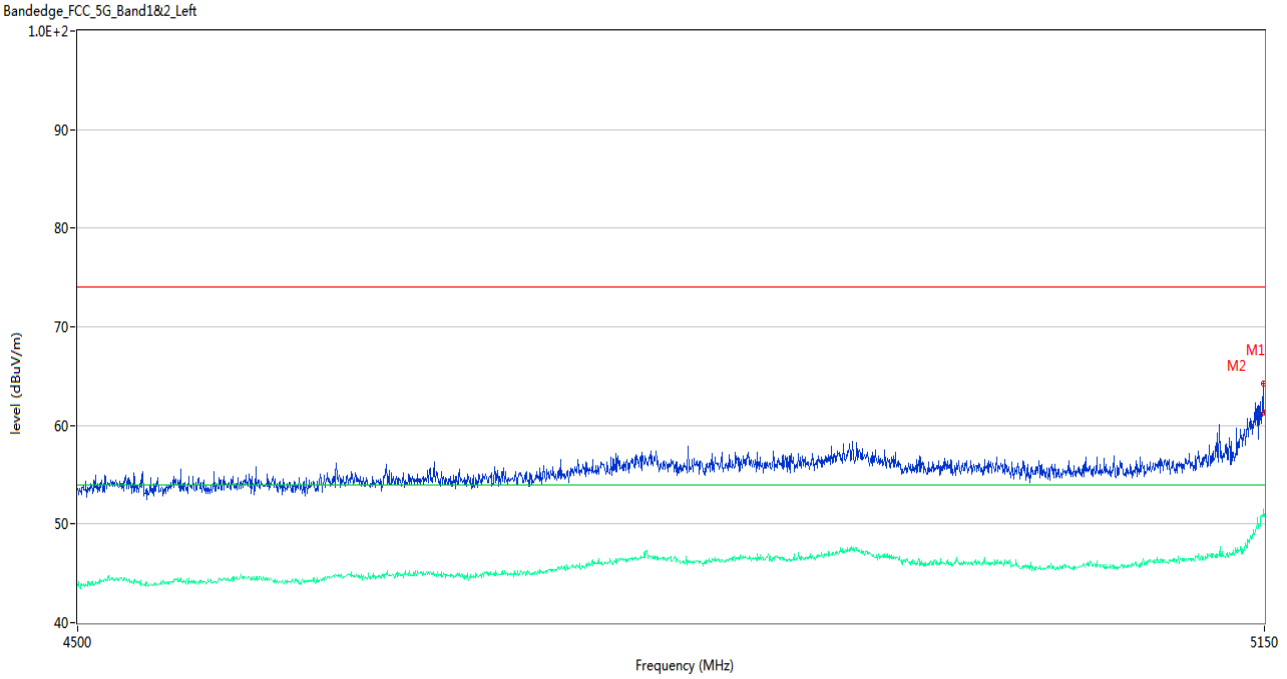
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	64.32	-2.78	74.0	-9.68	Peak	90.00	150	Vertical	Pass
1**	5150.000	50.14	-2.78	54.0	-3.86	AV	90.00	150	Vertical	Pass
2	5146.425	65.87	-2.61	74.0	-8.13	Peak	286.00	150	Vertical	Pass
2**	5146.425	48.74	-2.61	54.0	-5.26	AV	286.00	150	Vertical	Pass

U-NII-1 11n20 CH48



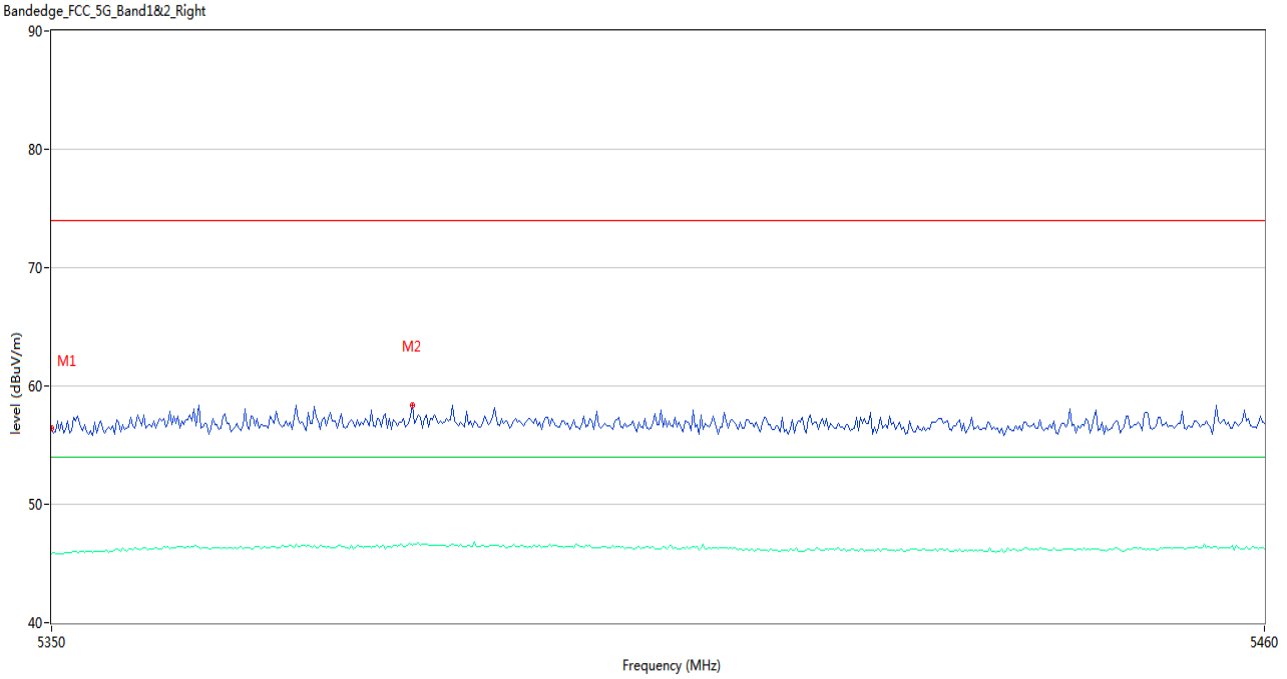
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.85	-3.02	74.0	-17.15	Peak	231.00	150	Vertical	Pass
1**	5350.000	45.76	-3.02	54.0	-8.24	AV	231.00	150	Vertical	Pass
2	5378.050	59.00	-2.67	74.0	-15.00	Peak	144.00	150	Vertical	Pass
2**	5378.050	46.37	-2.67	54.0	-7.63	AV	144.00	150	Vertical	Pass

U-NII-1 11n40 CH38



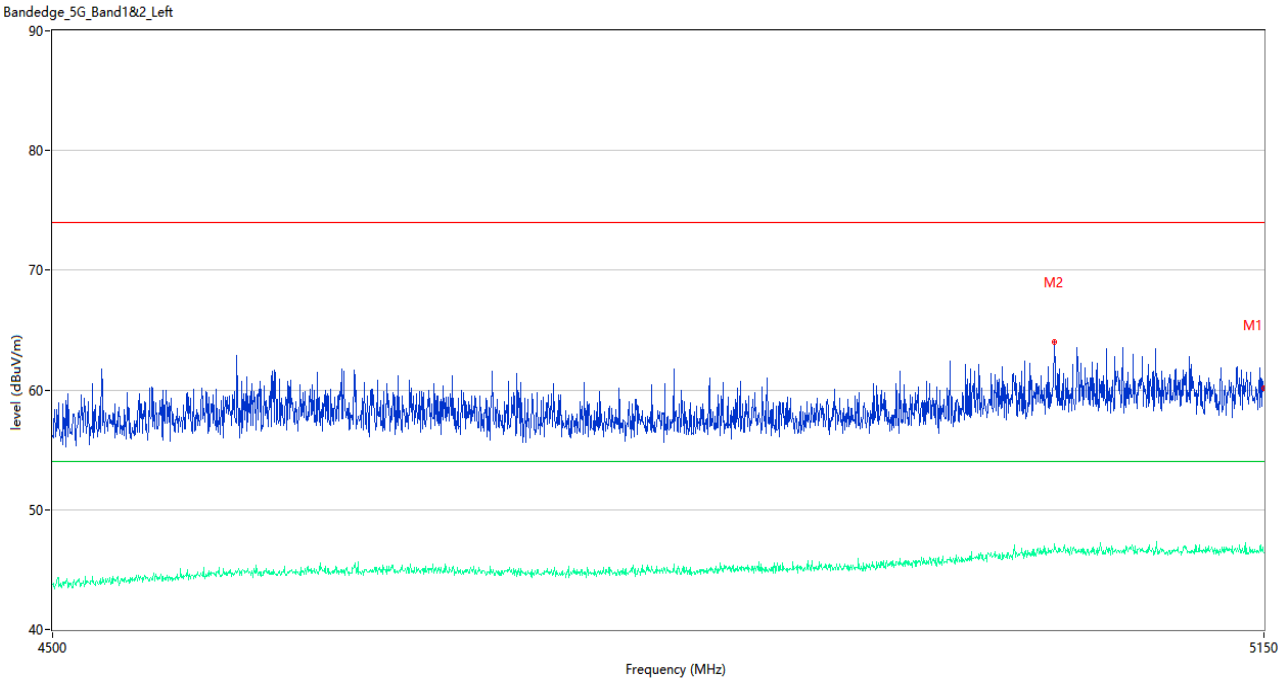
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	61.34	-2.78	74.0	-12.66	Peak	283.00	150	Vertical	Pass
1**	5150.000	50.83	-2.78	54.0	-3.17	AV	283.00	150	Vertical	Pass
2	5149.350	64.29	-2.70	74.0	-9.71	Peak	283.00	150	Vertical	Pass
2**	5149.350	50.73	-2.70	54.0	-3.27	AV	283.00	150	Vertical	Pass

U-NII-1 11n40 CH46



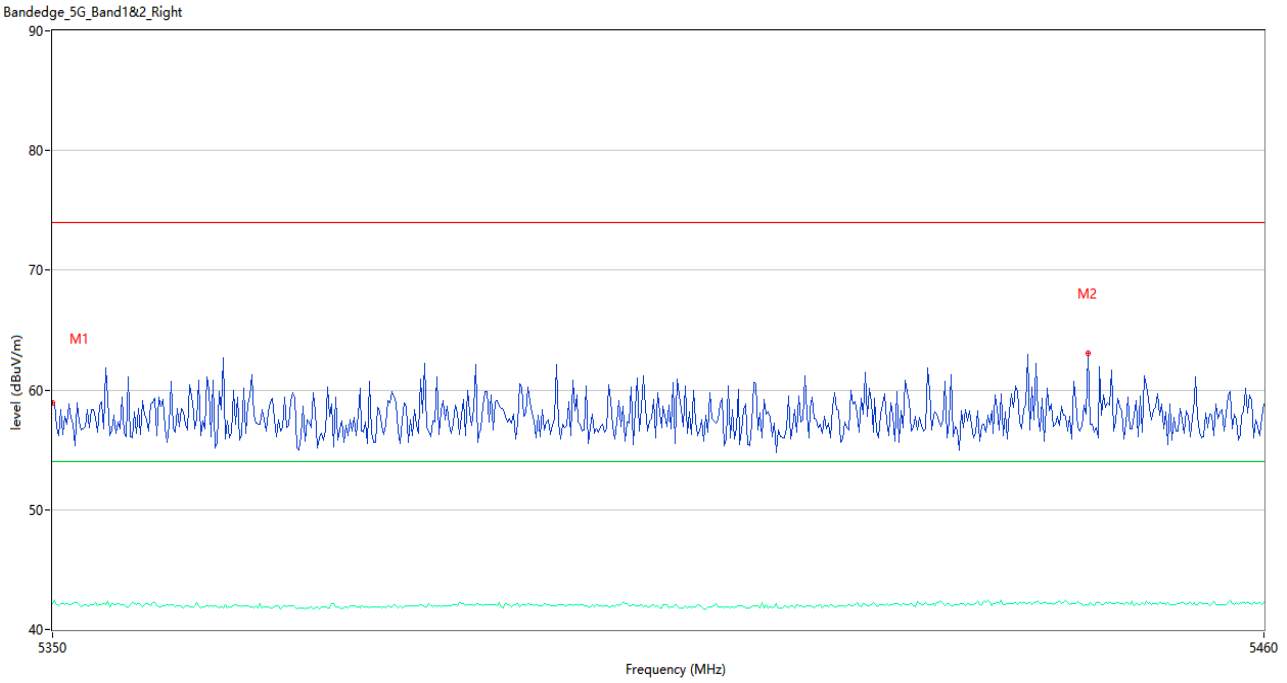
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.44	-3.02	74.0	-17.56	Peak	7.00	150	Vertical	Pass
1**	5350.000	45.77	-3.02	54.0	-8.23	AV	7.00	150	Vertical	Pass
2	5382.450	58.33	-2.42	74.0	-15.67	Peak	334.00	150	Vertical	Pass
2**	5382.450	46.56	-2.42	54.0	-7.44	AV	334.00	150	Vertical	Pass

U-NII-2A 11a CH52



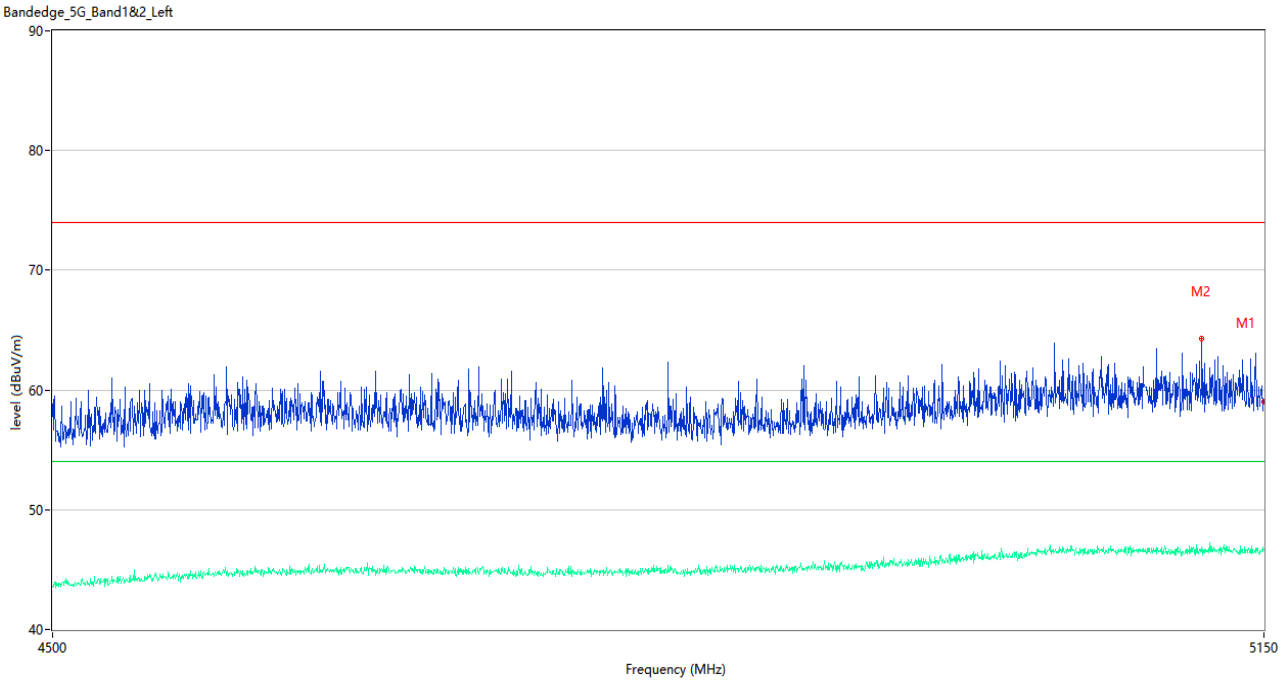
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	60.13	39.71	74.0	-13.87	Peak	14.00	150	Horizontal	Pass
1**	5150.000	46.44	39.71	54.0	-7.56	AV	14.00	150	Horizontal	Pass
2	5031.375	64.02	39.84	74.0	-9.98	Peak	13.00	150	Horizontal	Pass
2**	5031.375	47.15	39.84	54.0	-6.85	AV	13.00	150	Horizontal	Pass

U-NII-2A 11a CH64



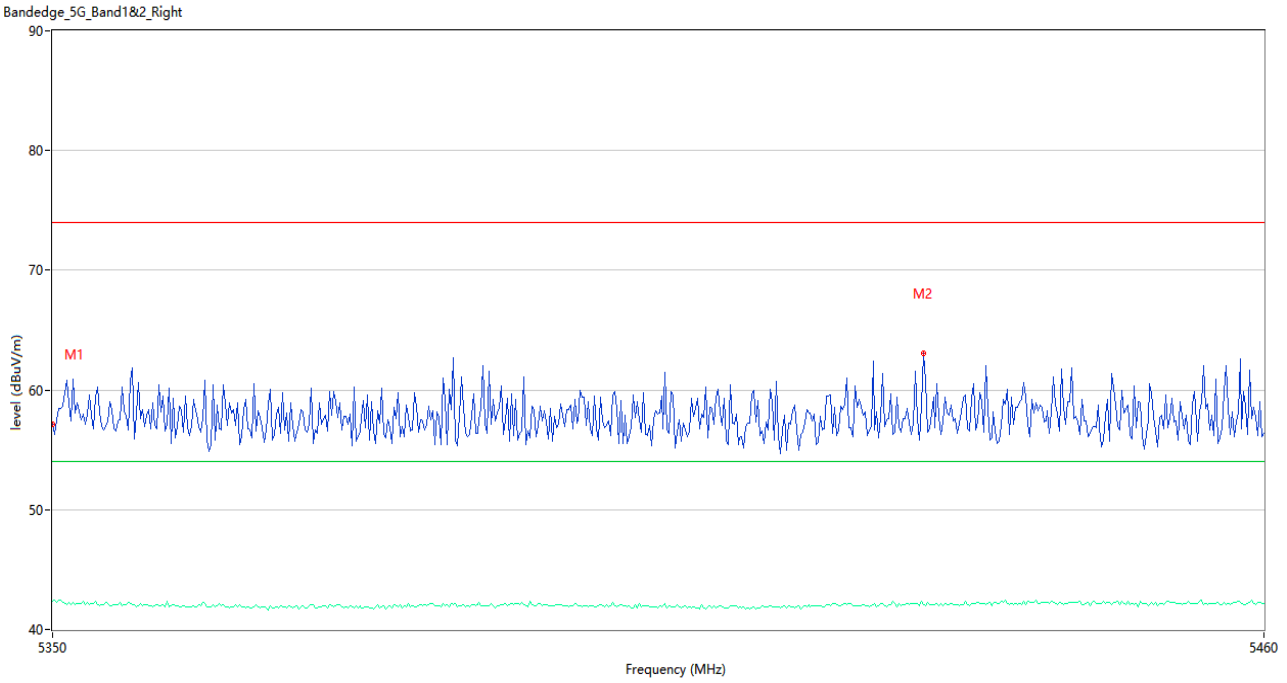
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	58.97	39.62	74.0	-15.03	Peak	12.00	150	Horizontal	Pass
1**	5350.000	42.14	39.62	54.0	-11.86	AV	12.00	150	Horizontal	Pass
2	5443.867	63.07	39.80	74.0	-10.93	Peak	11.00	150	Horizontal	Pass
2**	5443.867	42.01	39.80	54.0	-11.99	AV	11.00	150	Horizontal	Pass

U-NII-2A 11n20 CH52



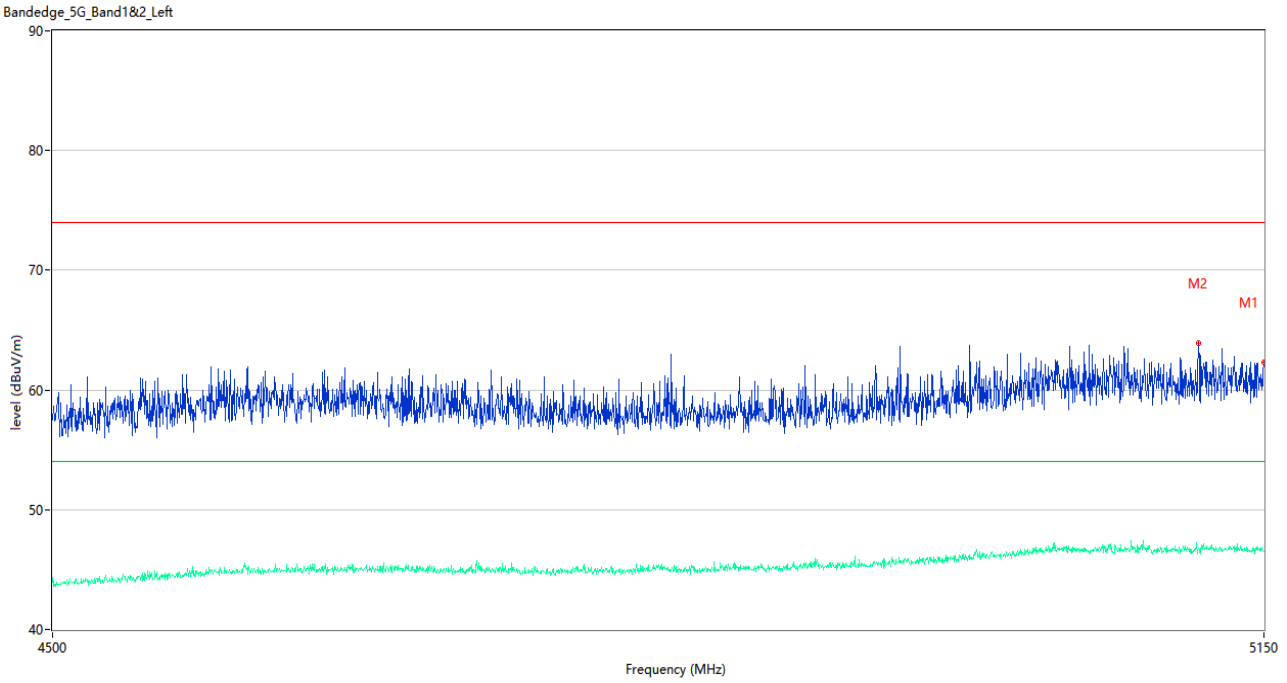
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	59.06	39.71	74.0	-14.94	Peak	9.00	150	Horizontal	Pass
1**	5150.000	46.68	39.71	54.0	-7.32	AV	9.00	150	Horizontal	Pass
2	5114.575	64.28	39.85	74.0	-9.72	Peak	3.00	150	Horizontal	Pass
2**	5114.575	46.51	39.85	54.0	-7.49	AV	3.00	150	Horizontal	Pass

U-NII-2A 11n20 CH64



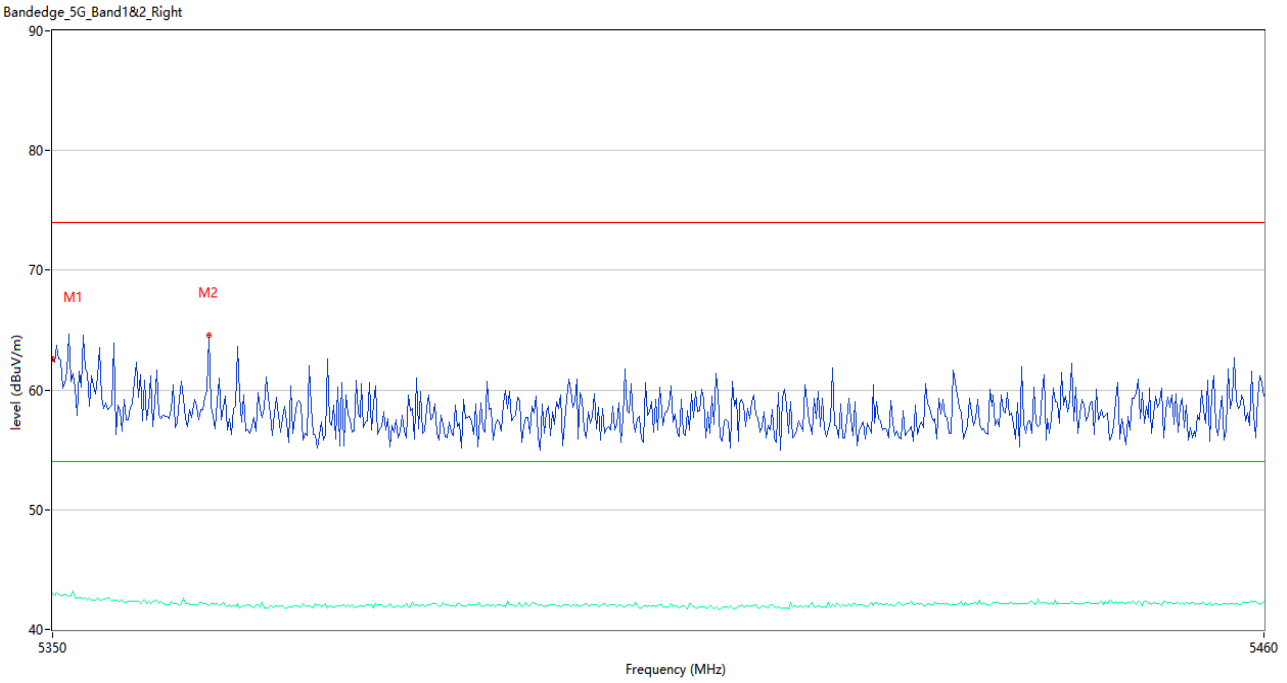
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.13	39.62	74.0	-16.87	Peak	3.00	150	Horizontal	Pass
1**	5350.000	42.32	39.62	54.0	-11.68	AV	3.00	150	Horizontal	Pass
2	5428.833	63.10	39.80	74.0	-10.90	Peak	1.00	150	Horizontal	Pass
2**	5428.833	42.07	39.80	54.0	-11.93	AV	1.00	150	Horizontal	Pass

U-NII-2A 11n40 CH54



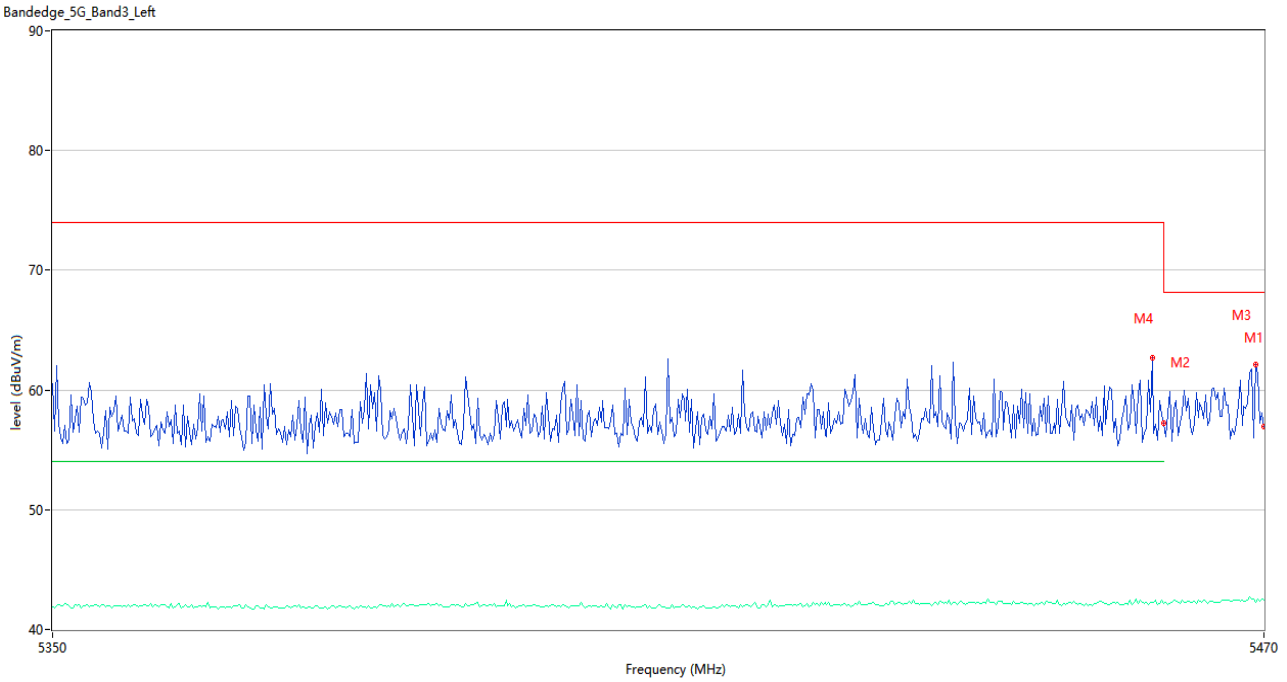
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	62.31	39.71	74.0	-11.69	Peak	0.00	150	Horizontal	Pass
1**	5150.000	46.53	39.71	54.0	-7.47	AV	0.00	150	Horizontal	Pass
2	5112.625	63.93	39.84	74.0	-10.07	Peak	324.00	150	Horizontal	Pass
2**	5112.625	46.77	39.84	54.0	-7.23	AV	324.00	150	Horizontal	Pass

U-NII-2A 11n40 CH62



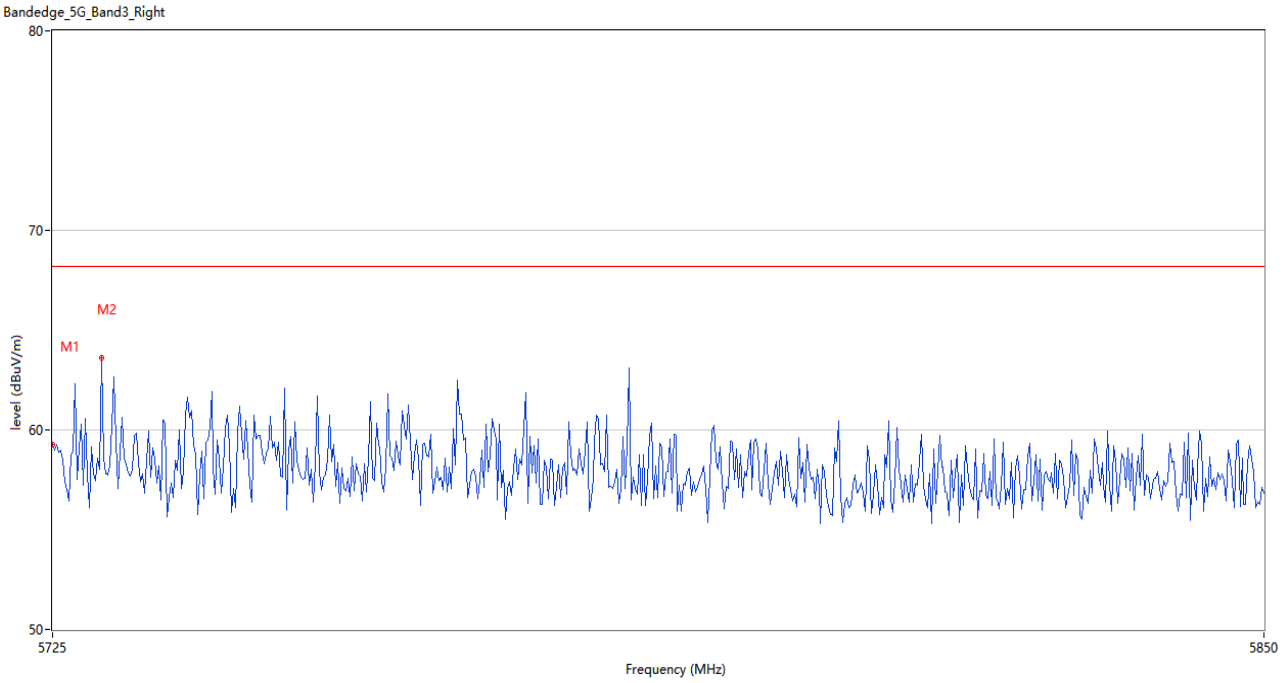
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	62.57	39.62	74.0	-11.43	Peak	11.00	150	Horizontal	Pass
1**	5350.000	43.01	39.62	54.0	-10.99	AV	11.00	150	Horizontal	Pass
2	5364.116	64.60	39.58	74.0	-9.40	Peak	1.00	150	Horizontal	Pass
2**	5364.116	42.02	39.58	54.0	-11.98	AV	1.00	150	Horizontal	Pass

U-NII-2C 11a CH100



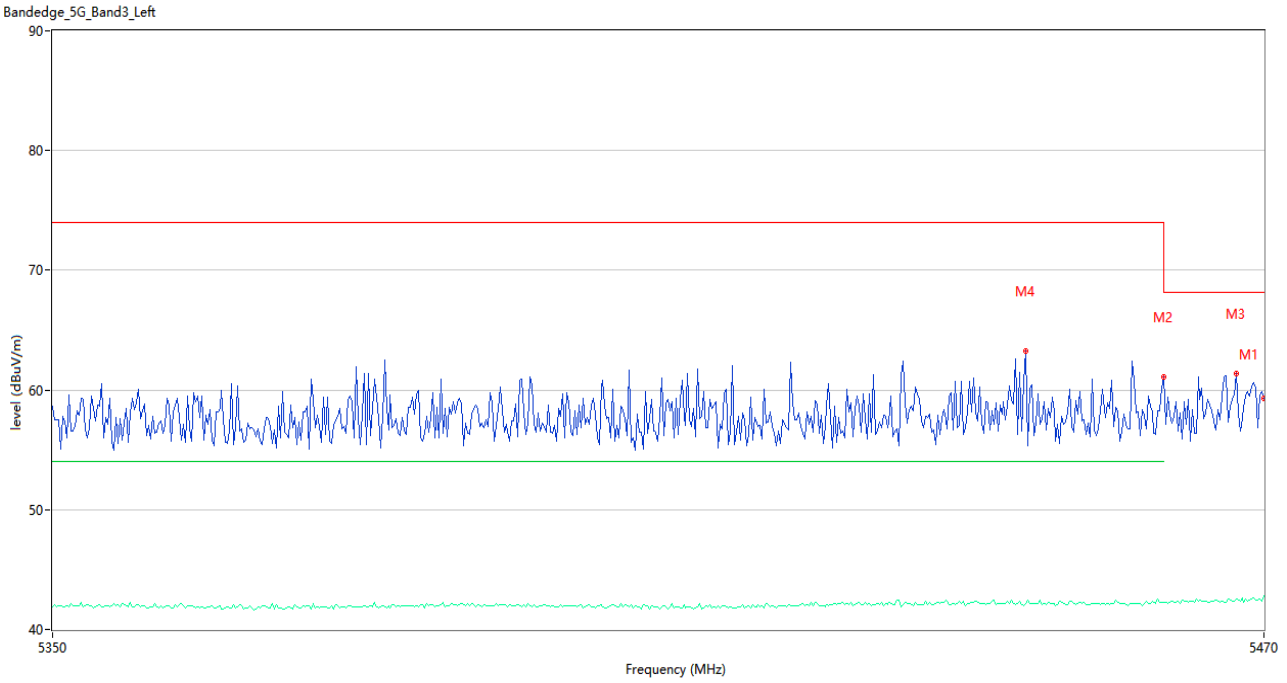
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	56.92	39.83	68.2	-11.28	Peak	9.00	150	Horizontal	Pass
1**	5470.000	42.45	39.83	--	42.45	AV	9.00	150	Horizontal	N/A
2	5460.000	57.26	39.74	74.0	-16.74	Peak	15.00	150	Horizontal	Pass
2**	5460.000	42.20	39.74	54.0	-11.80	AV	15.00	150	Horizontal	Pass
3	5469.200	62.14	39.83	68.2	-6.06	Peak	2.00	150	Horizontal	Pass
3**	5469.200	42.30	39.83	--	42.30	AV	2.00	150	Horizontal	N/A
4	5458.800	62.70	39.73	74.0	-11.30	Peak	5.00	150	Horizontal	Pass
4**	5458.800	42.23	39.73	54.0	-11.77	AV	5.00	150	Horizontal	Pass

U-NII-2C 11a CH140



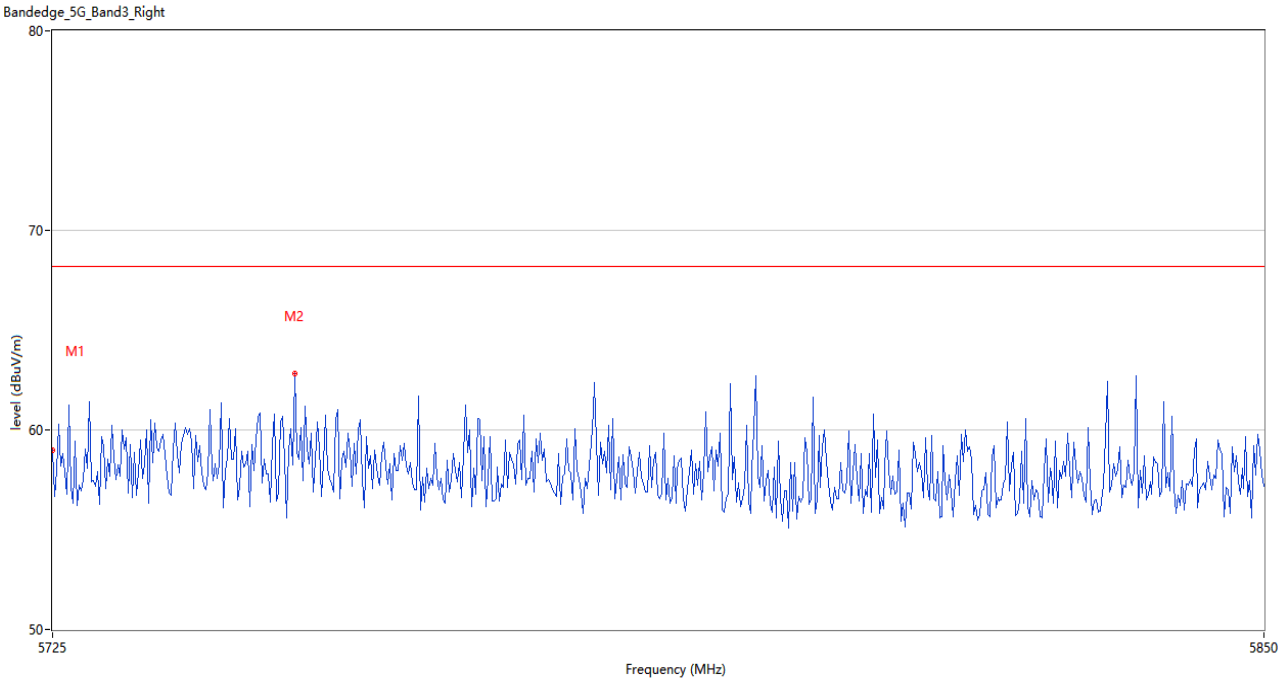
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	59.24	40.01	68.2	-8.96	Peak	5.00	150	Horizontal	Pass
2	5730.000	63.64	39.99	68.2	-4.56	Peak	12.00	150	Horizontal	Pass

U-NII-2C 11n20 CH100



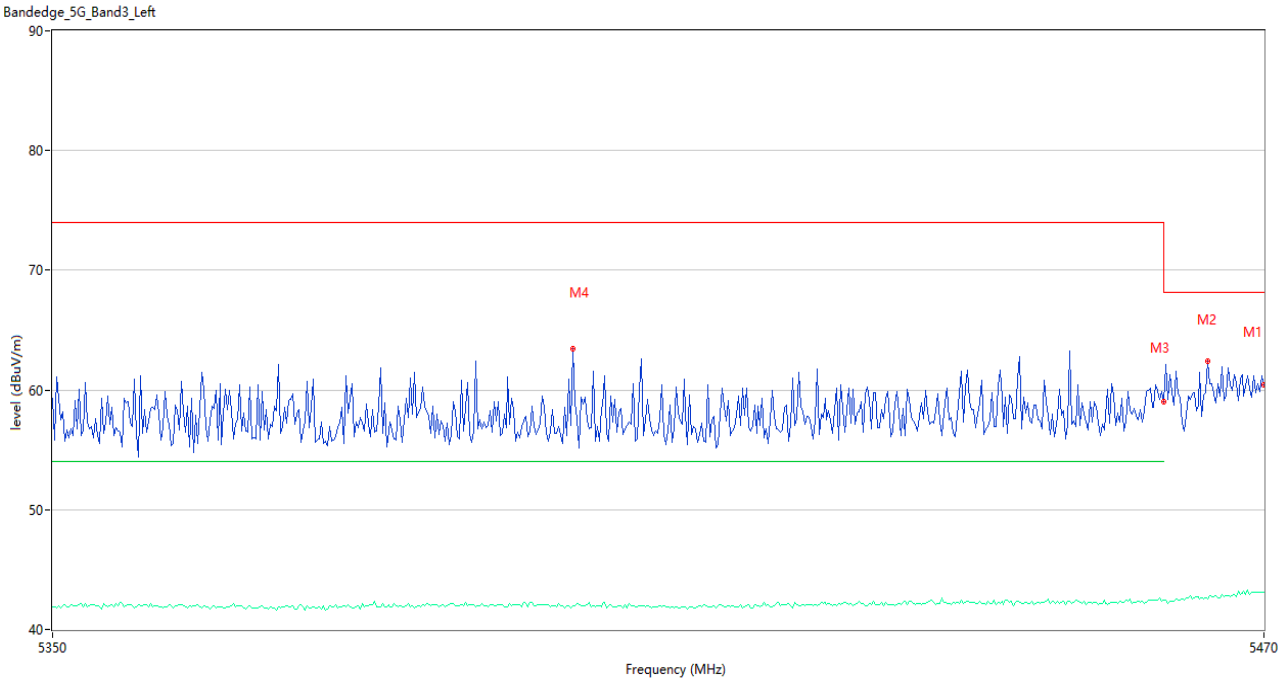
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	59.31	39.83	68.2	-8.89	Peak	11.00	150	Horizontal	Pass
1**	5470.000	42.83	39.83	--	42.83	AV	11.00	150	Horizontal	N/A
2	5460.000	61.07	39.74	74.0	-12.93	Peak	12.00	150	Horizontal	Pass
2**	5460.000	42.29	39.74	54.0	-11.71	AV	12.00	150	Horizontal	Pass
3	5467.200	61.39	39.81	68.2	-6.81	Peak	9.00	150	Horizontal	Pass
3**	5467.200	42.52	39.81	--	42.52	AV	9.00	150	Horizontal	N/A
4	5446.200	63.22	39.77	74.0	-10.78	Peak	12.00	150	Horizontal	Pass
4**	5446.200	42.21	39.77	54.0	-11.79	AV	12.00	150	Horizontal	Pass

U-NII-2C 11n20 CH140



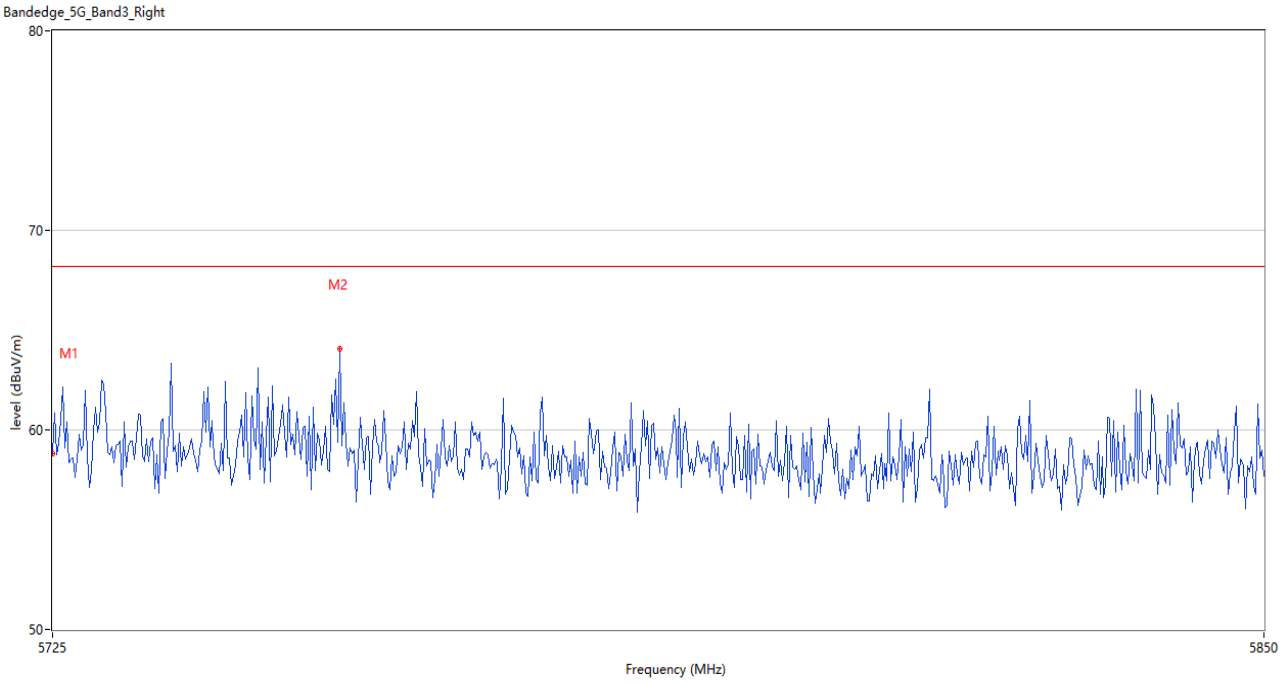
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	58.98	40.01	68.2	-9.22	Peak	4.00	150	Horizontal	Pass
2	5749.792	62.85	40.29	68.2	-5.35	Peak	3.00	150	Horizontal	Pass

U-NII-2C 11n40 CH102



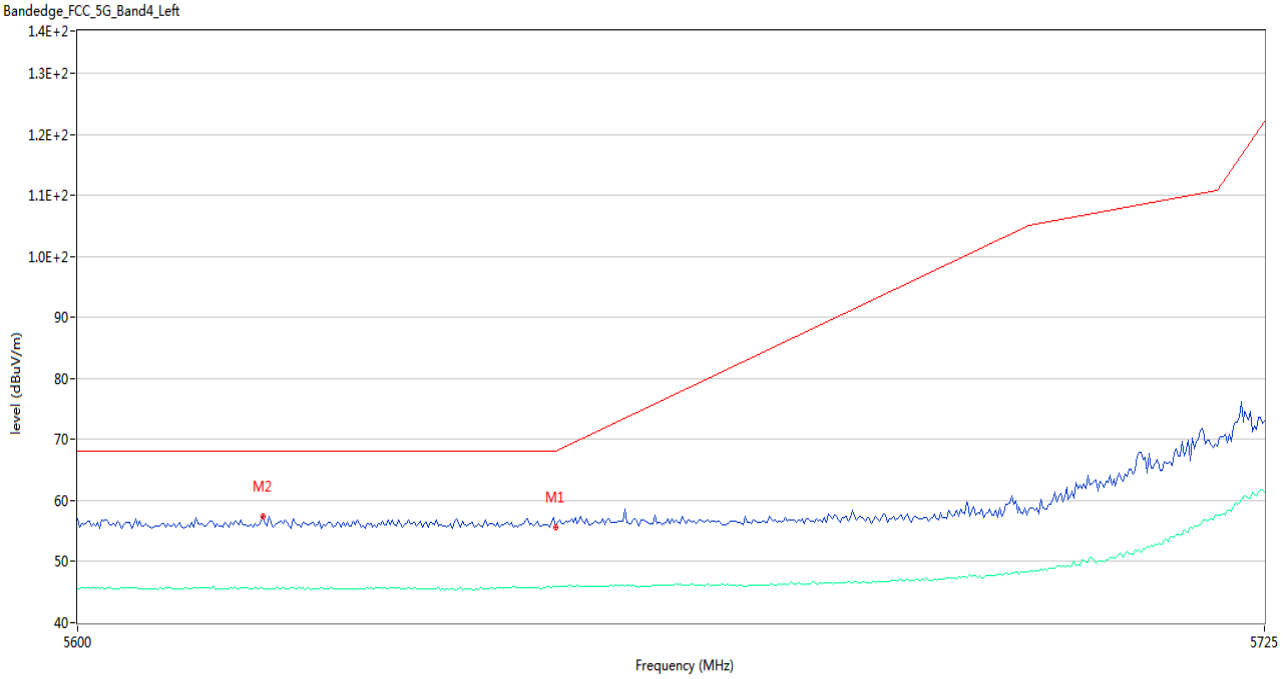
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	60.48	39.83	68.2	-7.72	Peak	11.00	150	Horizontal	Pass
1**	5470.000	43.07	39.83	--	43.07	AV	11.00	150	Horizontal	N/A
2	5464.400	62.45	39.79	68.2	-5.75	Peak	15.00	150	Horizontal	Pass
2**	5464.400	42.58	39.79	--	42.58	AV	15.00	150	Horizontal	N/A
3	5460.000	59.04	39.74	74.0	-14.96	Peak	1.00	150	Horizontal	Pass
3**	5460.000	42.48	39.74	54.0	-11.52	AV	1.00	150	Horizontal	Pass
4	5401.200	63.41	39.74	74.0	-10.59	Peak	14.00	150	Horizontal	Pass
4**	5401.200	42.01	39.74	54.0	-11.99	AV	14.00	150	Horizontal	Pass

U-NII-2C 11n40 CH134



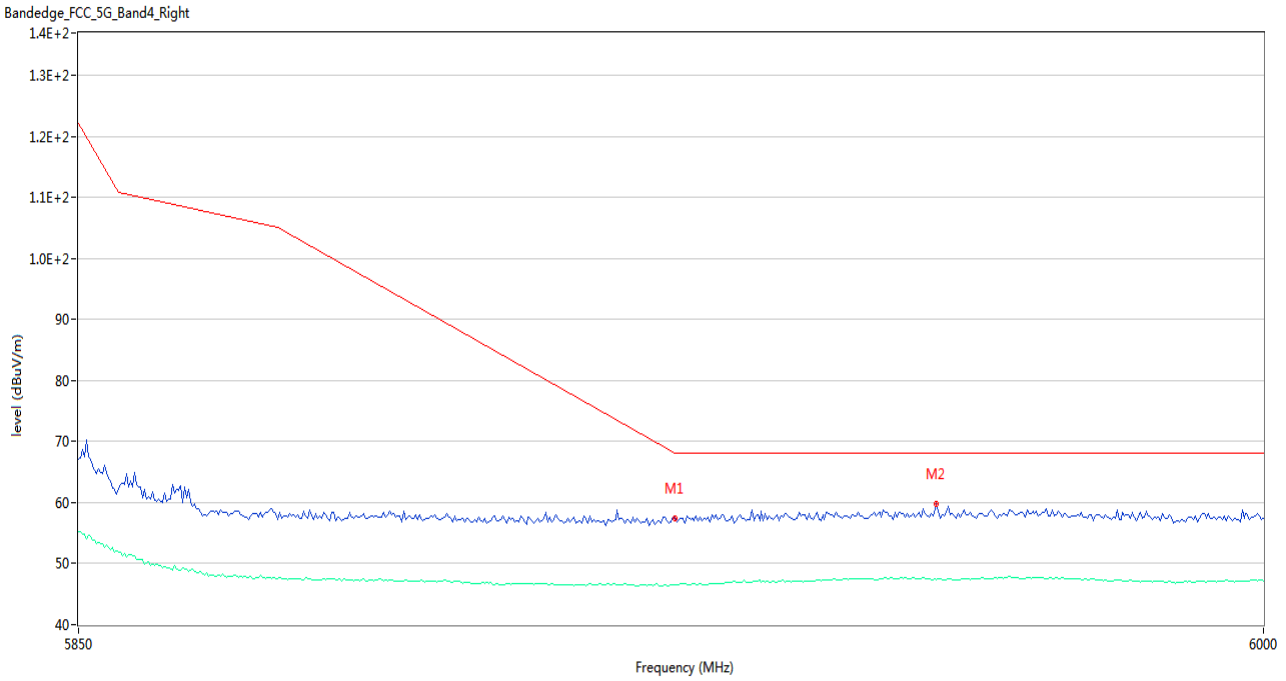
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	58.84	40.01	68.2	-9.36	Peak	12.00	150	Horizontal	Pass
2	5754.375	64.05	40.21	68.2	-4.15	Peak	4.00	150	Horizontal	Pass

U-NII-3 11a CH149



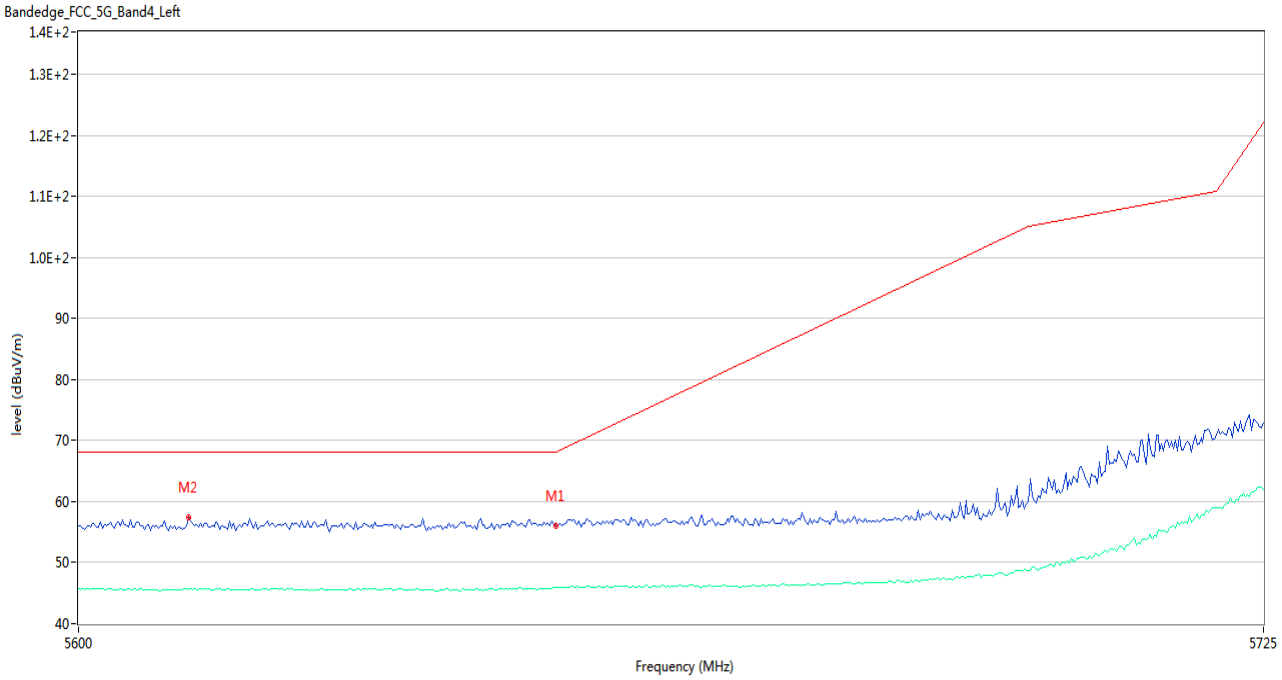
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	55.68	-2.40	68.2	-12.52	Peak	359.00	150	Vertical	Pass
1**	5650.000	45.98	-2.40	--	--	AV	359.00	150	Vertical	N/A
2	5619.375	57.45	-2.61	68.2	-10.75	Peak	134.00	150	Vertical	Pass
2**	5619.375	45.57	-2.61	--	--	AV	134.00	150	Vertical	N/A

U-NII-3 11a CH165



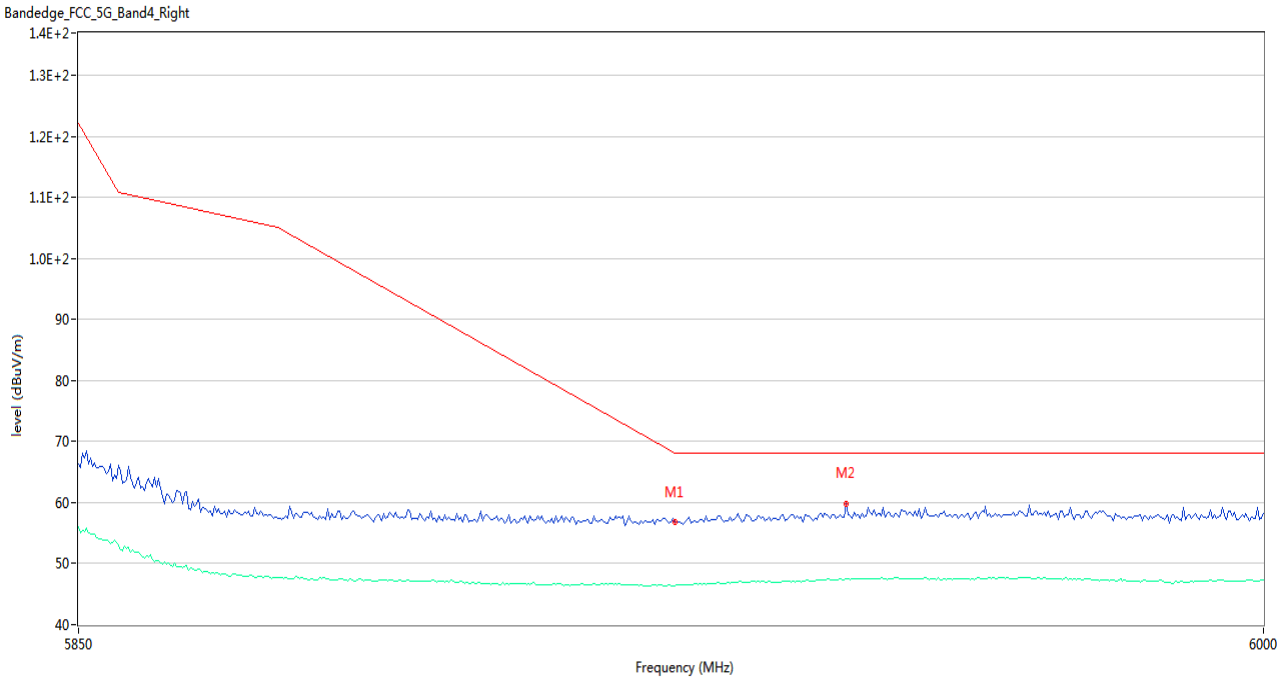
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	57.37	-2.57	68.2	-10.83	Peak	80.00	150	Vertical	Pass
1**	5925.000	46.54	-2.57	--	--	AV	80.00	150	Vertical	N/A
2	5958.250	59.84	-1.36	68.2	-8.36	Peak	134.00	150	Vertical	Pass
2**	5958.250	47.40	-1.36	--	--	AV	134.00	150	Vertical	N/A

U-NII-3 11n20 CH149



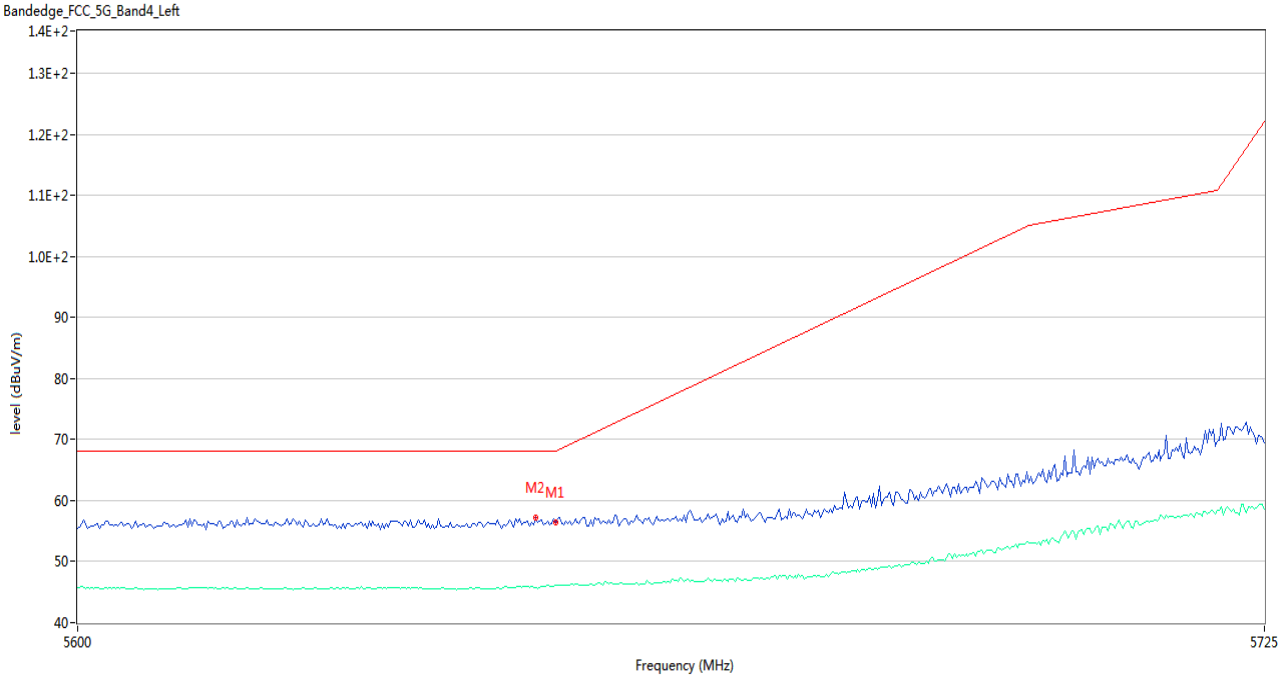
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	56.07	-2.40	68.2	-12.13	Peak	11.00	150	Vertical	Pass
1**	5650.000	45.94	-2.40	--	--	AV	11.00	150	Vertical	N/A
2	5611.459	57.33	-2.57	68.2	-10.87	Peak	360.00	150	Vertical	Pass
2**	5611.459	45.57	-2.57	--	--	AV	360.00	150	Vertical	N/A

U-NII-3 11n20 CH165



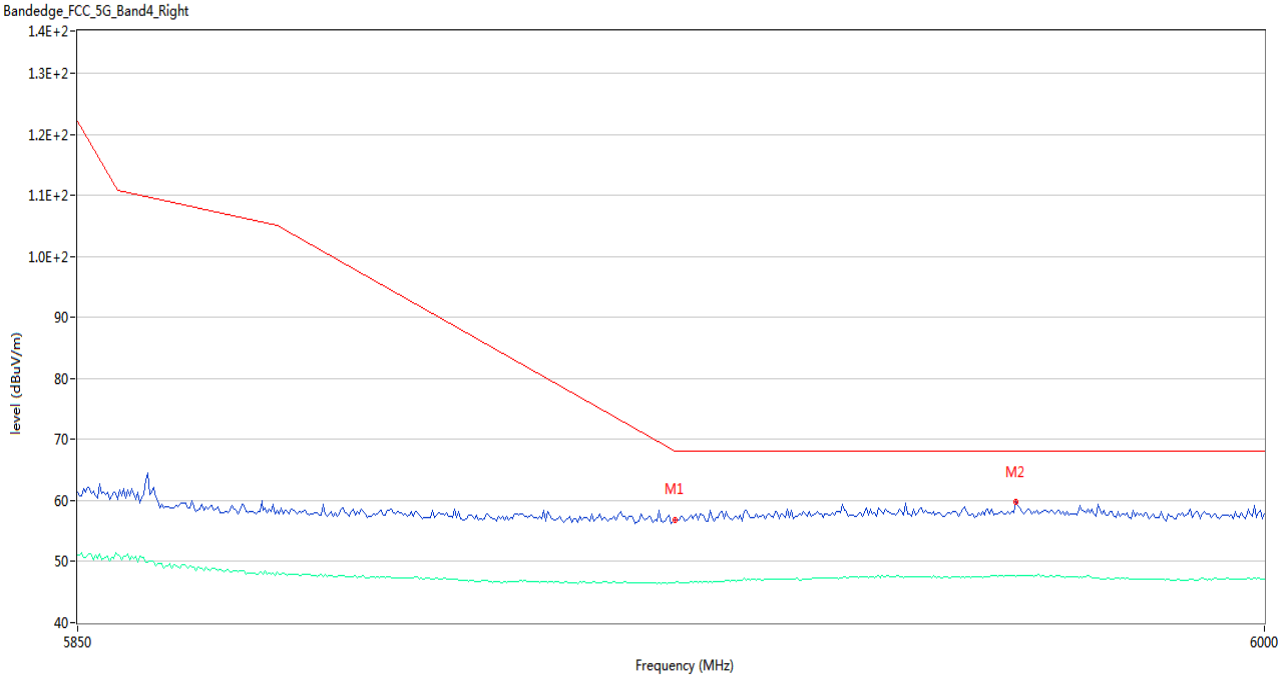
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	56.82	-2.57	68.2	-11.38	Peak	232.00	150	Vertical	Pass
1**	5925.000	46.41	-2.57	--	--	AV	232.00	150	Vertical	N/A
2	5946.750	59.89	-1.46	68.2	-8.31	Peak	143.00	150	Vertical	Pass
2**	5946.750	47.44	-1.46	--	--	AV	143.00	150	Vertical	N/A

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	56.44	-2.40	68.2	-11.76	Peak	310.00	150	Vertical	Pass
1**	5650.000	46.13	-2.40	--	--	AV	310.00	150	Vertical	N/A
2	5647.917	57.24	-2.60	68.2	-10.96	Peak	360.00	150	Vertical	Pass
2**	5647.917	45.82	-2.60	--	--	AV	360.00	150	Vertical	N/A

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	56.88	-2.57	68.2	-11.32	Peak	45.00	150	Vertical	Pass
1**	5925.000	46.51	-2.57	--	--	AV	45.00	150	Vertical	N/A
2	5968.250	59.71	-1.08	68.2	-8.49	Peak	322.00	150	Vertical	Pass
2**	5968.250	47.57	-1.08	--	--	AV	322.00	150	Vertical	N/A

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2160937-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2160937-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2160937-AI.PDF”.

--END OF REPORT--