

RF

TEST REPORT

ISSUED BY
Shenzhen BALUN Technology Co., Ltd.

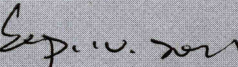


FOR
UHF Mobile RFID Reader

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. 10, 2021
Approved by: 
Wei Yanquan
(Chief Engineer)
Date: 
Sep. 10, 2021

Report No.: BL-SZ20C0502-604
EUT Name: UHF Mobile RFID Reader
Model Name: MTRAY-F1-MB-BW
Brand Name: Myndar
Test Standard: 47 CFR Part 15 Subpart E
FCC ID: XEK-MTRAYF1MB

Test Conclusion: Pass
Test Date: Jan. 23, 2021 ~ Sep. 02, 2021
Date of Issue: Sep. 10, 2021

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Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Aug. 09, 2021</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Sep. 10, 2021</u>	<u>Add U-NII-2A & U-NII-2C related information and test data</u>

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1 ADMINISTRATIVE DATA (GENERAL INFORMATION)

1.1 Identification of the Testing Laboratory

Company Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 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°C to 25°C
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-MB-BW
Series Model Name	N/A
Description of Model Name Differentiation	N/A
Serial Number	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
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The requirement for the following technical information of the EUT was tested in this report:

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
Product Type	☐ Mobile ☐ Portable ☒ Fix Location
Modulation technology	OFDM
Modulation Type	64QAM, 16QAM, BPSK, QPSK
Product Type	Fix Location 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: 12.80 dBm U-NII-2A: 13.85 dBm U-NII-2C: 13.60 dBm U-NII-3: 12.74 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.
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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

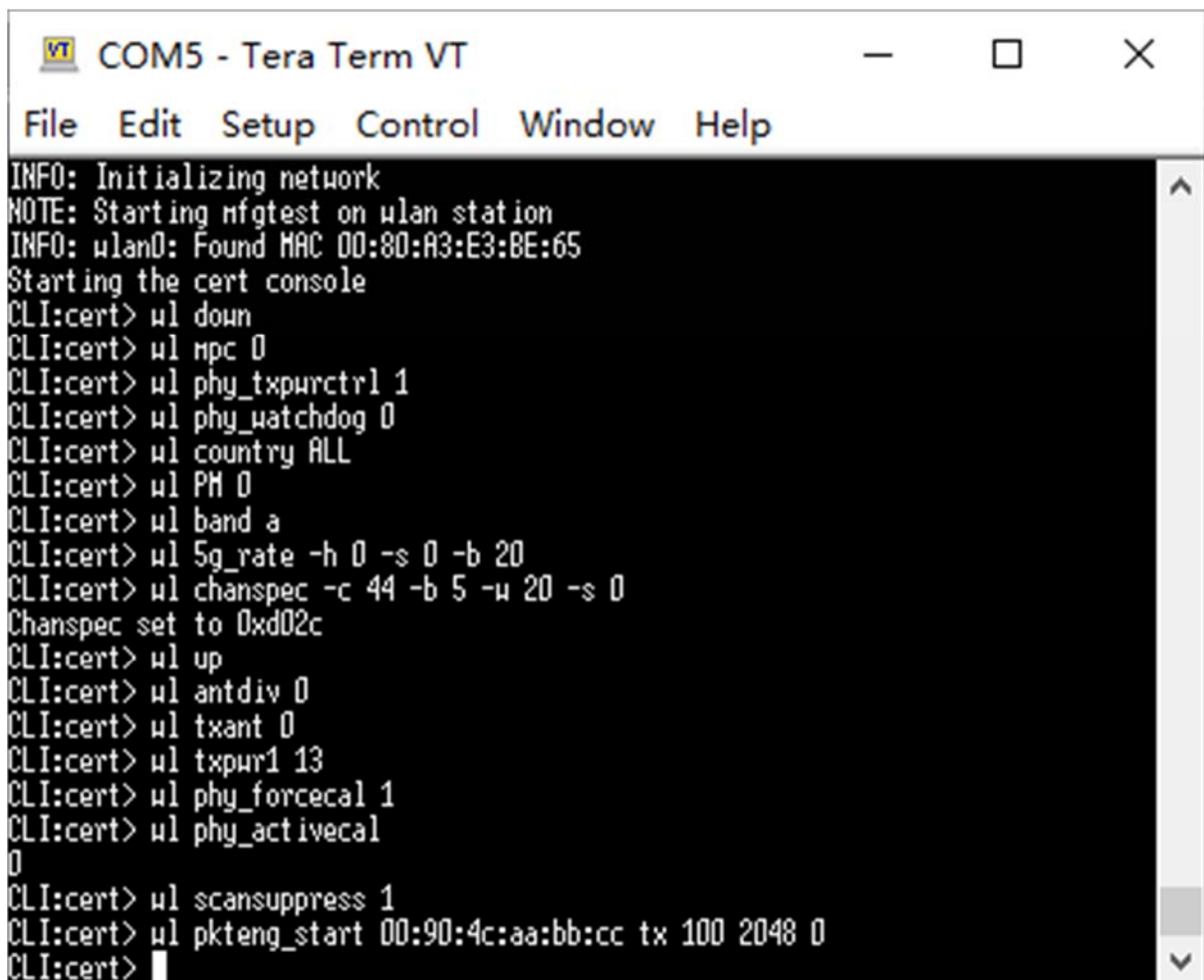
U-NII-1 (5150 - 5250 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH36	5180	13.0
11a	CH44	5220	13.0
11a	CH48	5240	13.0
11n (HT20)	CH36	5180	13.0
11n (HT20)	CH44	5220	13.0
11n (HT20)	CH48	5240	13.0
11n (HT40)	CH38	5190	12.0
11n (HT40)	CH46	5230	12.0

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	11.5

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	8.5
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:



```

COM5 - Tera Term VT
File Edit Setup Control Window Help
INFO: Initializing network
NOTE: Starting mfgtest on wlan station
INFO: wlan0: Found MAC 00:80:A3:E3:BE:65
Starting the cert console
CLI:cert> wl down
CLI:cert> wl mpc 0
CLI:cert> wl phy_txpurctrl 1
CLI:cert> wl phy_watchdog 0
CLI:cert> wl country ALL
CLI:cert> wl PM 0
CLI:cert> wl band a
CLI:cert> wl 5g_rate -h 0 -s 0 -b 20
CLI:cert> wl chanspec -c 44 -b 5 -u 20 -s 0
Chanspec set to 0xd02c
CLI:cert> wl up
CLI:cert> wl antdiv 0
CLI:cert> wl txant 0
CLI:cert> wl txpur1 13
CLI:cert> wl phy_forcecal 1
CLI:cert> wl phy_activecal
0
CLI:cert> wl scansuppress 1
CLI:cert> wl pkteng_start 00:90:4c:aa:bb:cc tx 100 2048 0
CLI:cert>

```


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	118	5590
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.	RSS Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	RSS-247, 6.2	--	Pass ^{Note1}
2	RF Output Power	15.407(a)	RSS-247, 6.2	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	RSS-247, 6.2	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	RSS-247, 6.2	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	RSS-247, 6.2	ANNEX A.4	Pass
6	Conducted Emission	15.207	RSS-GEN, 8.8	ANNEX A.5	Pass
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	RSS-247, 6.2	ANNEX A.6	Pass
8	Receiver Spurious Emissions	--	RSS-Gen, 7.1.2	--	N/A ^{Note2}

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

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

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

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	45% to 55%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+22°C to +25°C
	LT (Low Temperature)	0°C
	HT (High Temperature)	+40°C
Working Voltage of the EUT	NV (Normal Voltage)	3.7 V
	LV (Low Voltage)	3.5 V
	HV (High Voltage)	4.2 V

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

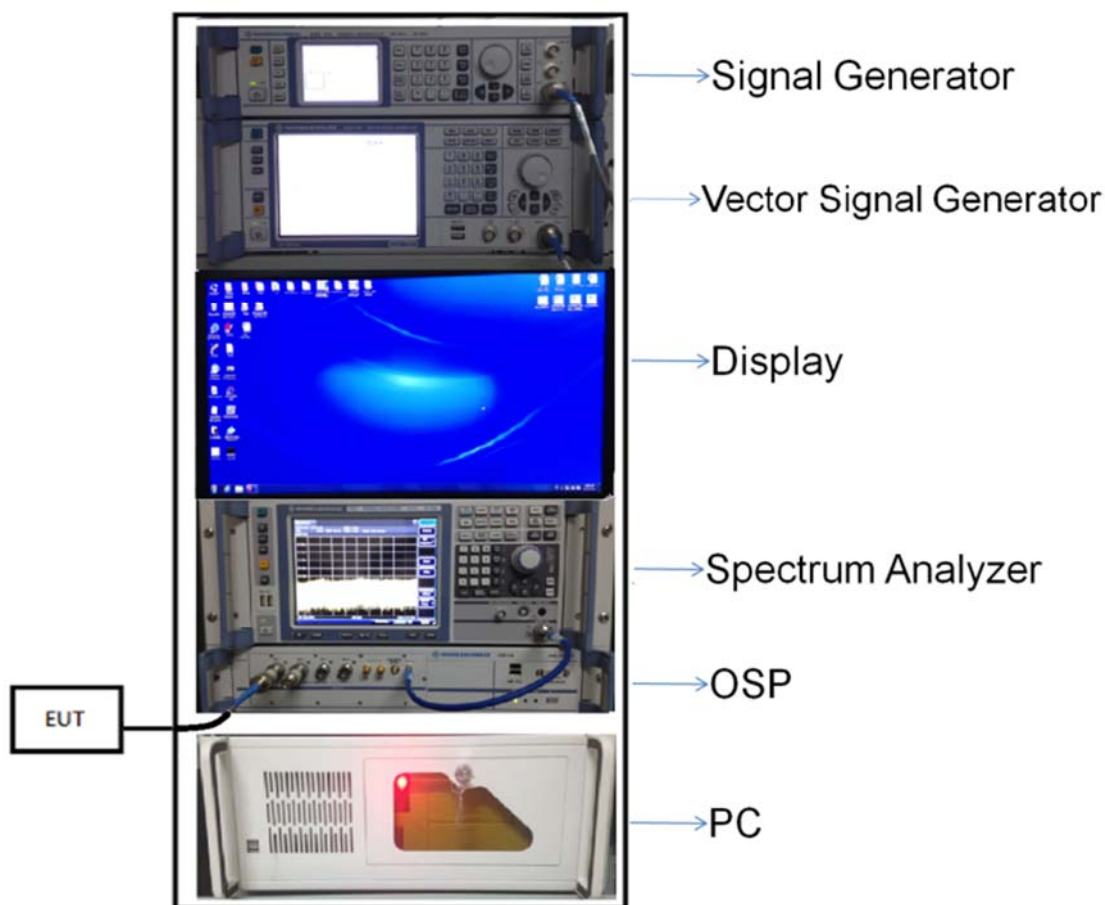
The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

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%

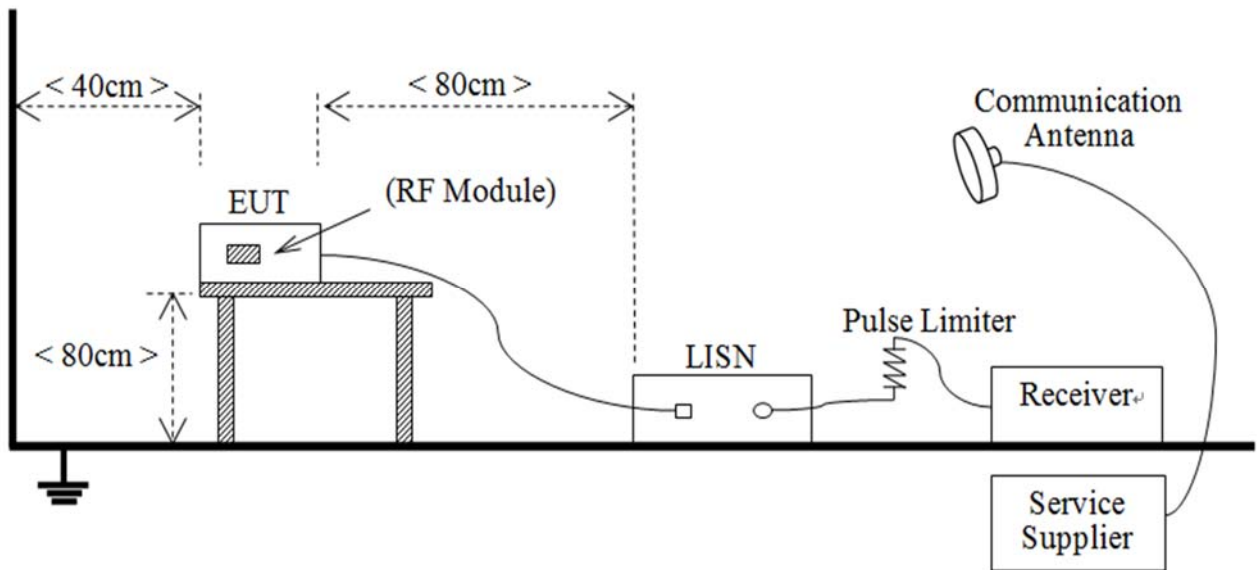
4.4 Description of Test Setup

4.4.1 For Antenna Port Test



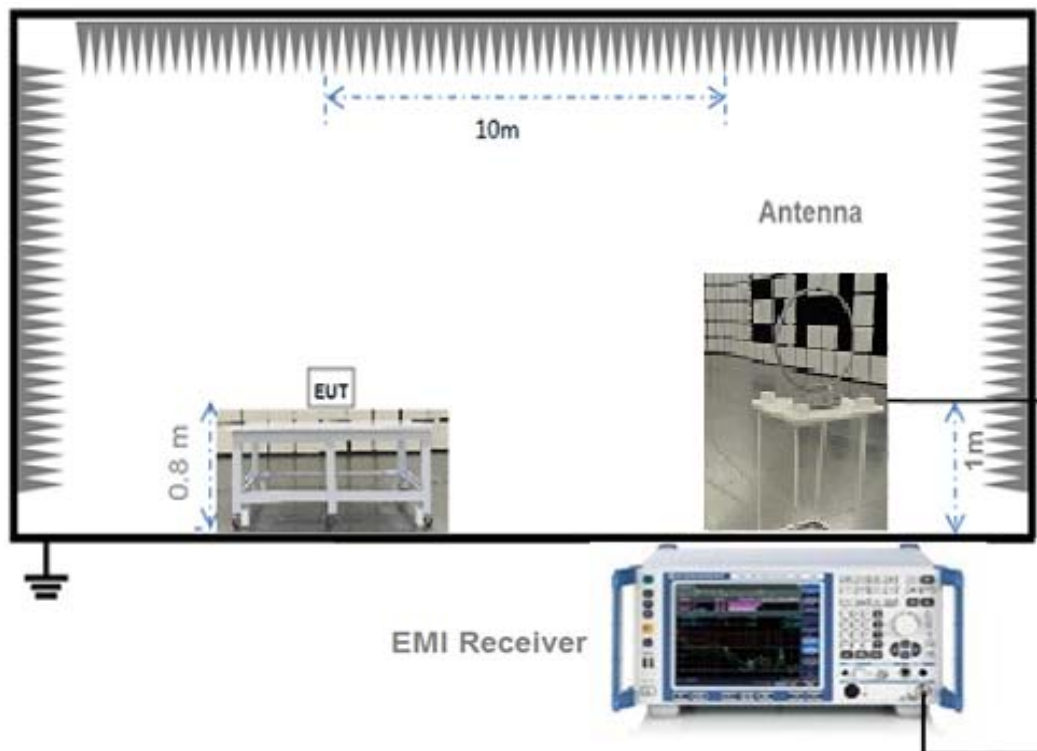
(Diagram 1)

4.4.2 For AC Power Supply Port Test



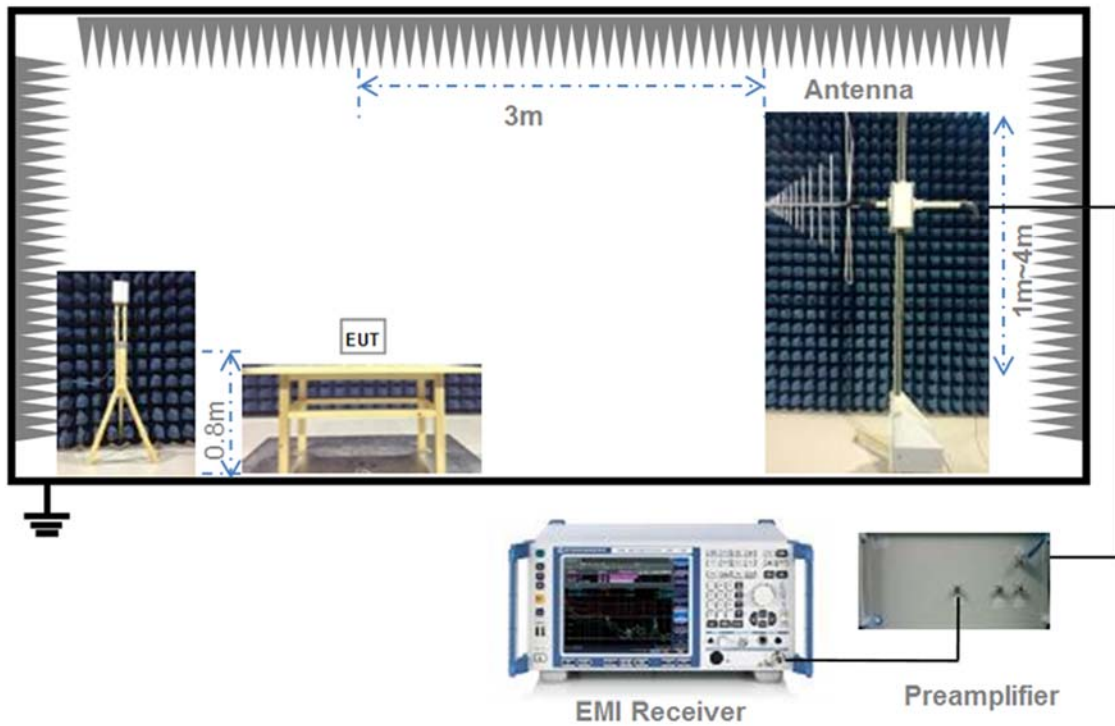
(Diagram 2)

4.4.3 For Radiated Test (Below 30 MHz)



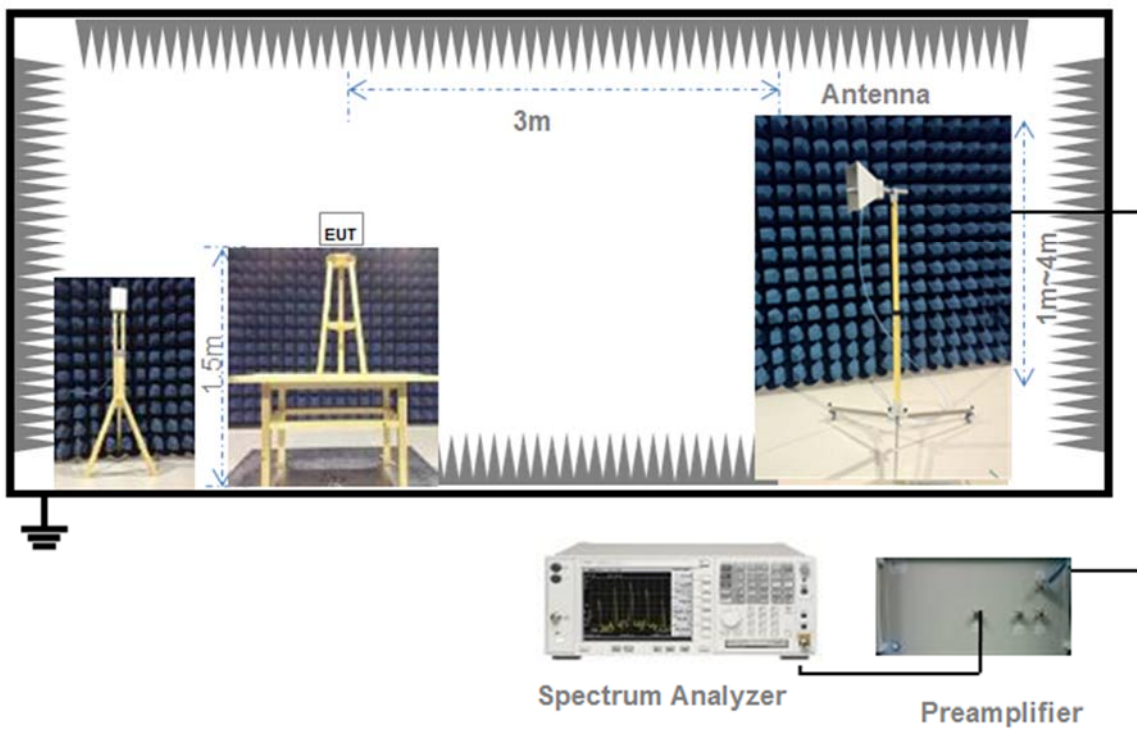
(Diagram 3)

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

Occupied Bandwidth

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

6 dB bandwidth

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

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

RSS-247, 6.2

The maximum power spectral density should not exceed:

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

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

Frequency Band (MHz)	Limit
5150-5250	10 dBm/MHz
5250-5350	N/A
5470-5725	N/A
5725-5850	N/A

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

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207, RSS-GEN, 8.8

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

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

5.4.2 Test Setup

The section 4.4.2 (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)

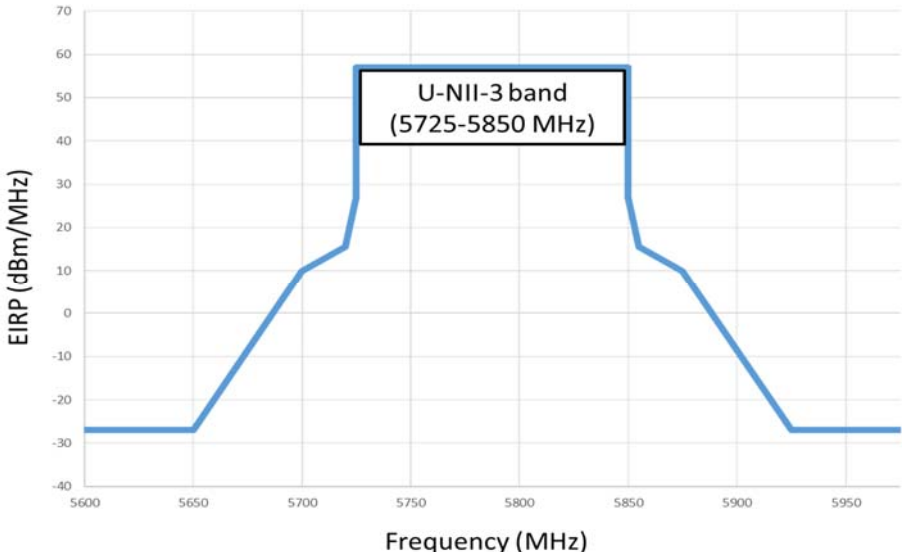
5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

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

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

Note²: The tighter limit applies at the band edge.

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

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

5.5.2 Test Setup

The section 4.4.3-4.4.5 (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:

$$E = \text{EIRP} - 20\log D + 104.8$$

where:

E = electric field strength in dB μ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

- 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 $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Sweep time = auto.
- e) Trace mode = max hold.
- f) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be longer for low duty cycle applications).

Table 1—RBW as a function of frequency

Frequency	RBW
9-150 kHz	200-300 Hz
0.15-30 MHz	9-10 kHz
30-1000 MHz	100-120 kHz
> 1000 MHz	1 MHz

If the peak-detected amplitude can be shown to comply with the average limit, then it is not necessary to perform a separate average measurement.

Trace averaging across on and off times of the EUT transmissions followed by duty cycle correction

If continuous transmission of the EUT (i.e., duty cycle ≥ 98 percent) cannot be achieved and the duty cycle is constant (i.e., duty cycle variations are less than ± 2 percent), then the following procedure shall be used:

- a) The EUT shall be configured to operate at the maximum achievable duty cycle.
- b) Measure the duty cycle, x , of the transmitter output signal as described in section 6.0.
- c) RBW = 1 MHz (unless otherwise specified).
- d) VBW $\geq 3 \times$ RBW.
- e) Detector = RMS, if $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
- f) Averaging type = power (i.e., RMS).
 - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
 - 2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
- g) Sweep time = auto.
- h) Perform a trace average of at least 100 traces.
- i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:
 - 1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is $10 \log(1/x)$, where x is the duty cycle.
 - 2) If linear voltage averaging mode was used in step f), then the applicable correction factor is $20 \log(1/x)$, where

x is the duty cycle.

3) If a specific emission is demonstrated to be continuous (≥ 98 percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

NOTE: Reduction of the measured emission amplitude levels to account for operational duty factor is not permitted. Compliance is based on emission levels occurring during transmission - not on an average across on and off times of the transmitter.

Determining the applicable transmit antenna gain

A conducted power measurement will determine the maximum output power associated with a restricted band emission; however, in order to determine the associated EIRP level, the gain of the transmitting antenna (in dBi) must be added to the measured output power (in dBm).

Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.

See KDB 662911 for guidance on calculating the additional array gain term when determining the effective antenna gain for a EUT with multiple outputs occupying the same or overlapping frequency ranges in the same band.

Radiated spurious emission test

An additional consideration when performing conducted measurements of restricted band emissions is that unwanted emissions radiating from the EUT cabinet, control circuits, power leads, or intermediate circuit elements will likely go undetected in a conducted measurement configuration. To address this concern, a radiated test shall be performed to ensure that emissions emanating from the EUT cabinet (rather than the antenna port) also comply with the applicable limits.

For these cabinet radiated spurious emission measurements the EUT transmit antenna may be replaced with a termination matching the nominal impedance of the antenna. Procedures for performing radiated measurements are specified in ANSI C63.10. All detected emissions shall comply with the applicable limits.

The measurement frequency range is from 30 MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360° , and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured
RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz
VBW $\geq$ RBW
Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

Note ¹: For FCC standard, if transmitting antennas of directional gain greater than 6 dBi are used, all band maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	12.39	17.34	250	Pass
11a	CH44	12.45	17.58	250	Pass
11a	CH48	12.39	17.34	250	Pass
11n (HT20)	CH36	12.80	19.05	250	Pass
11n (HT20)	CH44	12.74	18.79	250	Pass
11n (HT20)	CH48	12.59	18.16	250	Pass
11n (HT40)	CH38	11.47	14.03	250	Pass
11n (HT40)	CH46	11.43	13.90	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	13.07	20.28	250	Pass
11a	CH60	13.41	21.93	250	Pass
11a	CH64	13.85	24.27	250	Pass
11n (HT20)	CH52	12.81	19.10	250	Pass
11n (HT20)	CH60	13.02	20.04	250	Pass
11n (HT20)	CH64	13.33	21.53	250	Pass
11n (HT40)	CH54	12.27	16.87	250	Pass
11n (HT40)	CH62	11.19	13.15	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	13.60	22.91	250	Pass
11a	CH116	13.09	20.37	250	Pass
11a	CH140	12.01	15.89	250	Pass
11n (HT20)	CH100	13.28	21.28	250	Pass
11n (HT20)	CH116	12.65	18.41	250	Pass
11n (HT20)	CH140	11.59	14.42	250	Pass
11n (HT40)	CH102	7.58	5.73	250	Pass
11n (HT40)	CH118	12.46	17.62	250	Pass
11n (HT40)	CH134	11.68	14.72	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	12.74	18.79	1000	Pass
11a	CH157	12.48	17.70	1000	Pass
11a	CH165	12.12	16.29	1000	Pass
11n (HT20)	CH149	12.56	18.03	1000	Pass
11n (HT20)	CH157	12.24	16.75	1000	Pass
11n (HT20)	CH165	12.05	16.03	1000	Pass
11n (HT40)	CH151	12.69	18.58	1000	Pass
11n (HT40)	CH159	12.45	17.58	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ20C0502-604 Data Part 1.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	21.82	16.93
11a	CH44	21.72	16.90
11a	CH48	21.73	16.90
11n (HT20)	CH36	27.06	18.11
11n (HT20)	CH44	26.45	18.09
11n (HT20)	CH48	26.19	18.07
11n (HT40)	CH38	56.28	36.55
11n (HT40)	CH46	45.30	36.52

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	21.65	16.88
11a	CH60	22.05	16.92
11a	CH64	21.72	16.88
11n (HT20)	CH52	24.75	18.05
11n (HT20)	CH60	23.41	18.06
11n (HT20)	CH64	24.12	18.05
11n (HT40)	CH54	70.48	36.63
11n (HT40)	CH62	45.05	36.52

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	21.48	16.89
11a	CH116	21.67	16.92
11a	CH140	21.73	16.94
11n (HT20)	CH100	22.24	18.02
11n (HT20)	CH116	22.55	18.07
11n (HT20)	CH140	22.37	18.05
11n (HT40)	CH102	40.45	36.41
11n (HT40)	CH118	57.85	36.55
11n (HT40)	CH134	53.84	36.52

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	23.43	17.03
11a	CH157	22.11	17.10
11a	CH165	23.32	17.00
11n (HT20)	CH149	28.95	18.19
11n (HT20)	CH157	26.37	18.23
11n (HT20)	CH165	27.10	18.14
11n (HT40)	CH151	65.49	36.69
11n (HT40)	CH159	67.27	36.83

A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ20C0502-604 Data Part 2.pdf".

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.45	500.00	Pass
11a	CH157	16.45	500.00	Pass
11a	CH165	16.45	500.00	Pass
11n (HT20)	CH149	17.65	500.00	Pass
11n (HT20)	CH157	17.65	500.00	Pass
11n (HT20)	CH165	17.65	500.00	Pass
11n (HT40)	CH151	36.35	500.00	Pass
11n (HT40)	CH159	36.40	500.00	Pass

A.4 Power Spectral Density

Note: Test plots please refer to the document “Annex No.: BL-SZ20C0502-604 Data Part 3.pdf”.

Test Data

Note¹: The RBW used in U-NII-3 is 1 MHz, and the PSD factor is: $10 \cdot \log(500 \text{ kHz/RBW}) = -3 \text{ dBm}$.

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	1.41	11.00	Pass
11a	CH44	1.55	11.00	Pass
11a	CH48	1.74	11.00	Pass
11n (HT20)	CH36	0.90	11.00	Pass
11n (HT20)	CH44	1.08	11.00	Pass
11n (HT20)	CH48	1.40	11.00	Pass
11n (HT40)	CH38	-3.10	11.00	Pass
11n (HT40)	CH46	-2.88	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	1.35	11.00	Pass
11a	CH60	1.67	11.00	Pass
11a	CH64	2.12	11.00	Pass
11n (HT20)	CH52	0.68	11.00	Pass
11n (HT20)	CH60	0.76	11.00	Pass
11n (HT20)	CH64	1.11	11.00	Pass
11n (HT40)	CH54	-2.99	11.00	Pass
11n (HT40)	CH62	-4.26	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	1.99	11.00	Pass
11a	CH116	1.51	11.00	Pass
11a	CH140	0.21	11.00	Pass
11n (HT20)	CH100	1.25	11.00	Pass
11n (HT20)	CH116	0.59	11.00	Pass
11n (HT20)	CH140	-0.63	11.00	Pass
11n (HT40)	CH102	-7.39	11.00	Pass
11n (HT40)	CH118	-2.74	11.00	Pass
11n (HT40)	CH134	-3.30	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-0.67	30.00	Pass
11a	CH157	-1.05	30.00	Pass
11a	CH165	-0.72	30.00	Pass
11n (HT20)	CH149	-1.31	30.00	Pass
11n (HT20)	CH157	-1.56	30.00	Pass
11n (HT20)	CH165	-1.27	30.00	Pass
11n (HT40)	CH151	-4.22	30.00	Pass
11n (HT40)	CH159	-4.59	30.00	Pass

A.5 Conducted Emissions

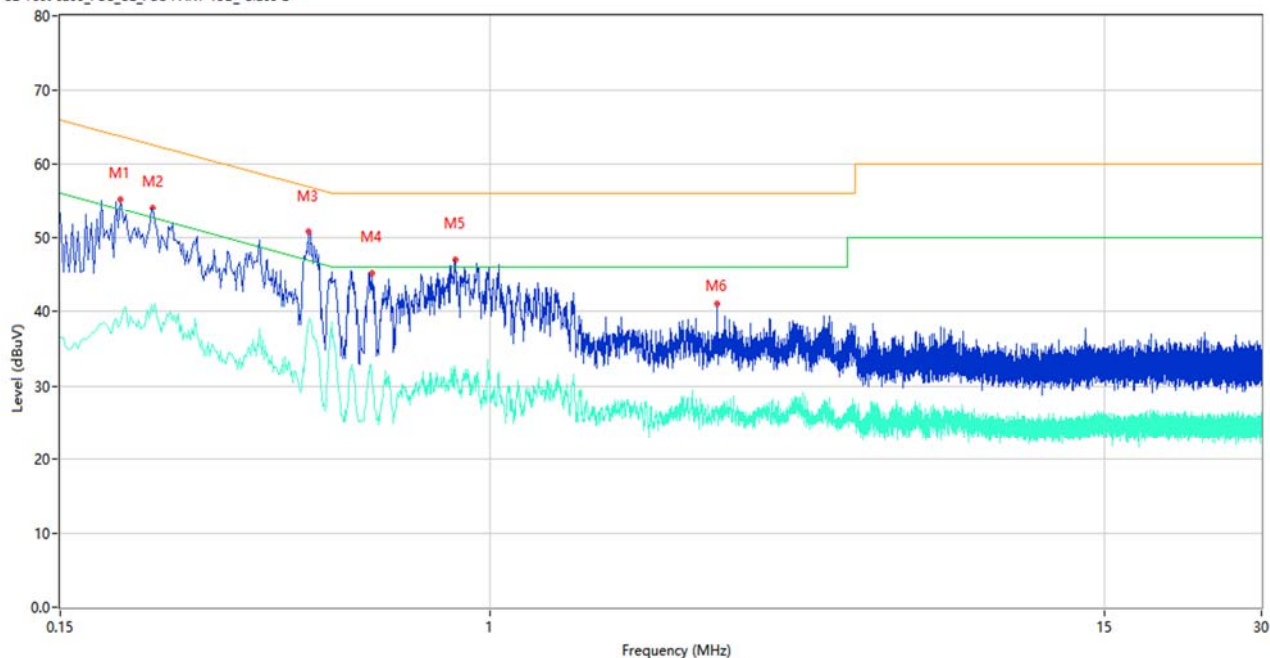
Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

Test Data and Plots

PHASE L

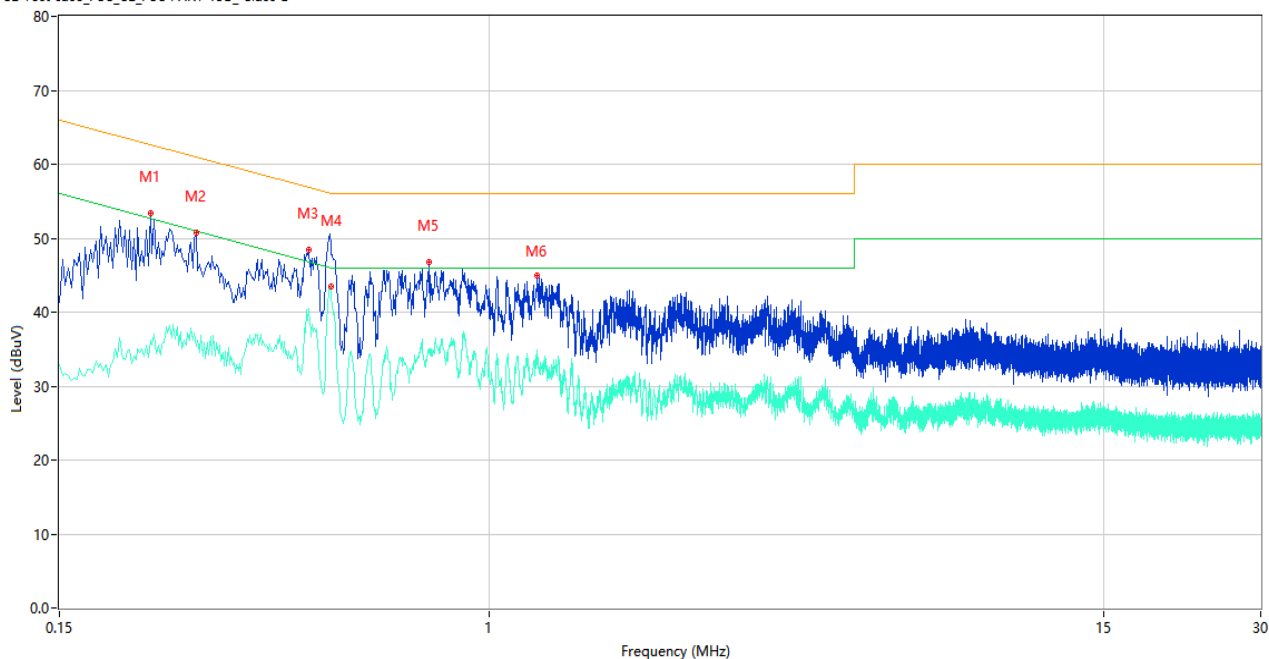
CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBUV)	Factor (dB)	Limit (dBUV)	Over Limit (dB)	Detector	Line	Verdict
1	0.196	55.27	10.38	63.78	-8.51	Peak	L	Pass
1**	0.196	38.36	10.38	53.78	-15.42	AV	L	Pass
2	0.226	54.03	10.36	62.60	-8.57	Peak	L	Pass
2**	0.226	39.84	10.36	52.60	-12.76	AV	L	Pass
3	0.448	50.71	10.30	56.91	-6.20	Peak	L	Pass
3**	0.448	38.52	10.30	46.91	-8.39	AV	L	Pass
4	0.592	45.16	10.28	56.00	-10.84	Peak	L	Pass
4**	0.592	31.85	10.28	46.00	-14.15	AV	L	Pass
5	0.856	46.93	10.24	56.00	-9.07	Peak	L	Pass
5**	0.856	31.45	10.24	46.00	-14.55	AV	L	Pass
6	2.814	41.76	10.29	56.00	-14.24	Peak	L	Pass
6**	2.814	27.35	10.29	46.00	-18.65	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.224	53.37	10.37	62.67	-9.30	Peak	N	Pass
1**	0.224	36.13	10.37	52.67	-16.54	AV	N	Pass
2	0.274	50.68	10.34	61.00	-10.32	Peak	N	Pass
2**	0.274	35.32	10.34	51.00	-15.68	AV	N	Pass
3	0.450	48.46	10.30	56.88	-8.42	Peak	N	Pass
3**	0.450	40.54	10.30	46.88	-6.34	AV	N	Pass
4	0.496	49.13	10.29	56.07	-6.94	Peak	N	Pass
4**	0.496	43.42	10.29	46.07	-2.65	AV	N	Pass
5	0.764	46.82	10.26	56.00	-9.18	Peak	N	Pass
5**	0.764	35.09	10.26	46.00	-10.91	AV	N	Pass
6	1.232	44.94	10.25	56.00	-11.06	Peak	N	Pass
6**	1.232	34.81	10.25	46.00	-11.19	AV	N	Pass

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

Test Data

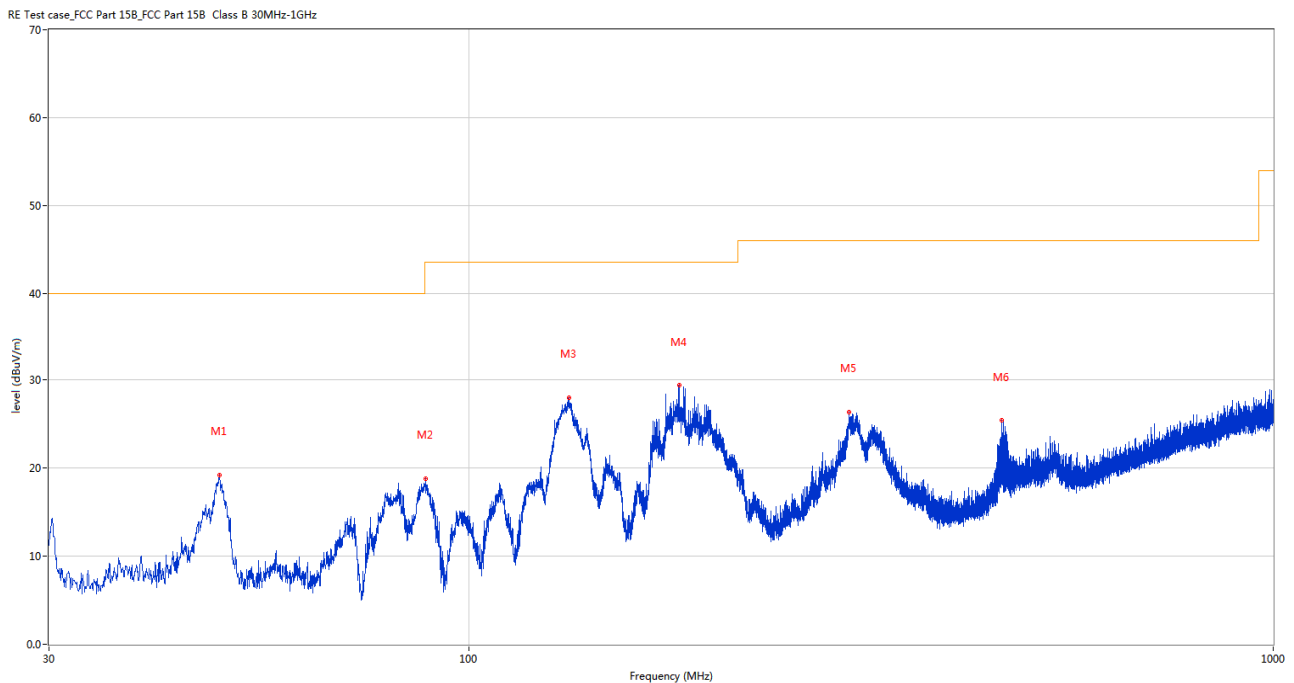
Note¹: The symbol of “--” in the table which means not application.

Note²: For the test data above 1 GHz, According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

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

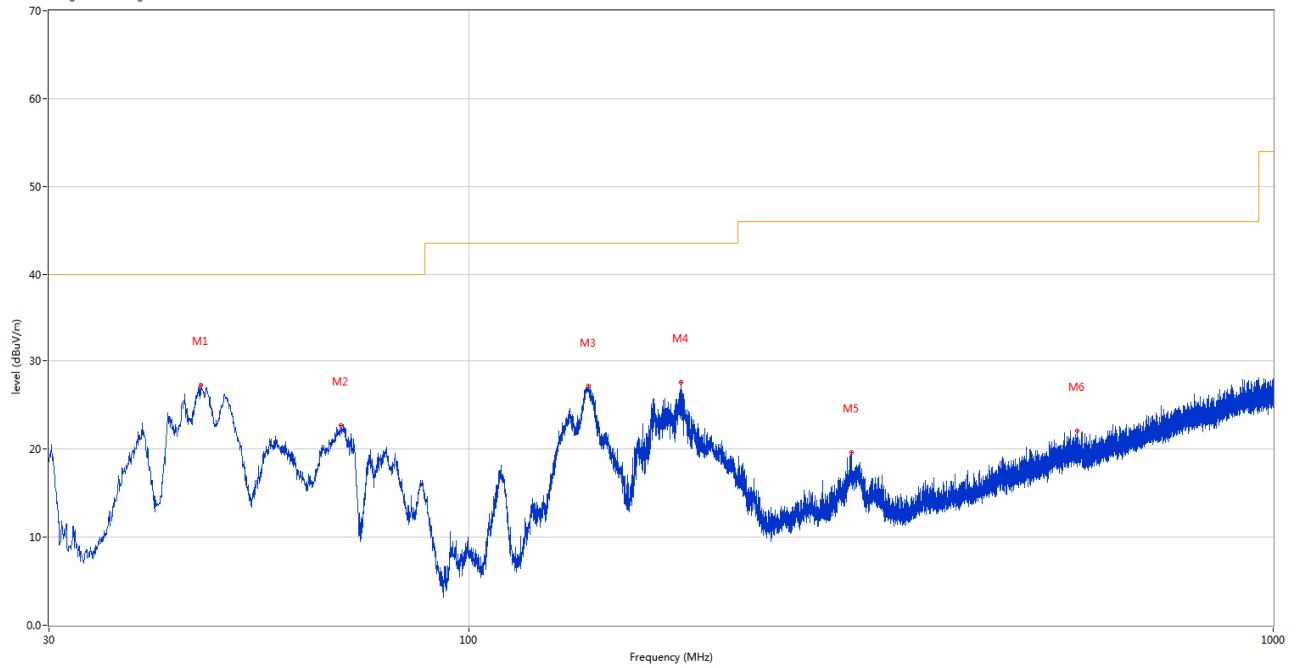
30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	48.867	19.25	-26.61	40.0	-20.75	Peak	0.00	200	Horizontal	Pass
2	88.248	18.77	-30.29	43.5	-24.73	Peak	151.00	200	Horizontal	Pass
3	132.917	28.03	-26.27	43.5	-15.47	Peak	151.00	200	Horizontal	Pass
4	182.290	29.46	-27.10	43.5	-14.04	Peak	135.00	200	Horizontal	Pass
5	296.604	26.33	-23.99	46.0	-19.67	Peak	189.00	100	Horizontal	Pass
6	459.953	25.40	-19.49	46.0	-20.60	Peak	0.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	46.393	27.30	-26.62	40.0	-12.70	Peak	213.00	100	Vertical	Pass
2	69.237	22.66	-28.94	40.0	-17.34	Peak	117.00	100	Vertical	Pass
3	140.677	27.16	-25.57	43.5	-16.34	Peak	250.00	100	Vertical	Pass
4	183.406	27.64	-27.22	43.5	-15.86	Peak	213.00	100	Vertical	Pass
5	298.544	19.61	-24.00	46.0	-26.39	Peak	54.00	100	Vertical	Pass
6	569.951	22.12	-17.43	46.0	-23.88	Peak	0.00	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	1380.200	37.41	-15.00	74.0	-36.59	Peak	17.00	150	Horizontal	Pass
1**	1380.200	27.81	-15.00	54.0	-26.19	AV	17.00	150	Horizontal	Pass
2	2805.200	41.89	-8.82	74.0	-32.11	Peak	175.00	150	Horizontal	Pass
2**	2805.200	32.15	-8.82	54.0	-21.85	AV	175.00	150	Horizontal	Pass
3	4028.000	47.29	-3.91	74.0	-26.71	Peak	360.00	150	Horizontal	Pass
3**	4028.000	36.81	-3.91	54.0	-17.19	AV	360.00	150	Horizontal	Pass
4	5174.200	104.69	-0.58	--	--	Peak	200.00	150	Horizontal	N/A
4**	5174.200	98.45	-0.58	--	--	AV	200.00	150	Horizontal	N/A
5	11748.638	51.31	18.96	74.0	-22.69	Peak	219.00	150	Horizontal	Pass
5**	11748.638	39.50	18.96	54.0	-14.50	AV	219.00	150	Horizontal	Pass
6	15898.162	55.39	23.27	74.0	-18.61	Peak	255.00	150	Horizontal	Pass
6**	15898.162	43.43	23.27	54.0	-10.57	AV	255.00	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	1526.400	36.92	-14.99	74.0	-37.08	Peak	236.00	150	Vertical	Pass
1**	1526.400	27.71	-14.99	54.0	-26.29	AV	236.00	150	Vertical	Pass
2	2802.000	41.63	-8.69	74.0	-32.37	Peak	313.00	150	Vertical	Pass
2**	2802.000	32.24	-8.69	54.0	-21.76	AV	313.00	150	Vertical	Pass
3	4212.200	47.61	-3.83	74.0	-26.39	Peak	360.00	150	Vertical	Pass
3**	4212.200	38.26	-3.83	54.0	-15.74	AV	360.00	150	Vertical	Pass
4	5175.600	94.02	-0.55	--	--	Peak	239.00	150	Vertical	N/A
4**	5175.600	86.75	-0.55	--	--	AV	239.00	150	Vertical	N/A
5	11008.900	50.84	18.98	74.0	-23.16	Peak	265.00	150	Vertical	Pass
5**	11008.900	37.62	18.98	54.0	-16.38	AV	265.00	150	Vertical	Pass
6	15566.363	55.21	23.58	74.0	-18.79	Peak	362.00	150	Vertical	Pass
6**	15566.363	43.51	23.58	54.0	-10.49	AV	362.00	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	1580.600	37.39	-15.20	74.0	-36.61	Peak	255.00	150	Horizontal	Pass
1**	1580.600	27.95	-15.20	54.0	-26.05	AV	255.00	150	Horizontal	Pass
2	2868.100	42.42	-7.84	74.0	-31.58	Peak	64.00	150	Horizontal	Pass
2**	2868.100	33.29	-7.84	54.0	-20.71	AV	64.00	150	Horizontal	Pass
3	4032.400	48.10	-3.98	74.0	-25.90	Peak	58.00	150	Horizontal	Pass
3**	4032.400	36.55	-3.98	54.0	-17.45	AV	58.00	150	Horizontal	Pass
4	5213.000	104.98	-0.47	--	--	Peak	197.00	150	Horizontal	N/A
4**	5213.000	97.63	-0.47	--	--	AV	197.00	150	Horizontal	N/A
5	11558.887	50.48	19.77	74.0	-23.52	Peak	303.00	150	Horizontal	Pass
5**	11558.887	39.06	19.77	54.0	-14.94	AV	303.00	150	Horizontal	Pass
6	15848.287	54.50	23.49	74.0	-19.50	Peak	362.00	150	Horizontal	Pass
6**	15848.287	43.24	23.49	54.0	-10.76	AV	362.00	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	1513.800	36.68	-14.84	74.0	-37.32	Peak	-2.00	150	Vertical	Pass
1**	1513.800	27.60	-14.84	54.0	-26.40	AV	-2.00	150	Vertical	Pass
2	2847.300	42.72	-7.87	74.0	-31.28	Peak	-2.00	150	Vertical	Pass
2**	2847.300	33.53	-7.87	54.0	-20.47	AV	-2.00	150	Vertical	Pass
3	4066.400	47.33	-3.90	74.0	-26.67	Peak	241.00	150	Vertical	Pass
3**	4066.400	36.73	-3.90	54.0	-17.27	AV	241.00	150	Vertical	Pass
4	5216.800	95.00	-0.30	--	--	Peak	241.00	150	Vertical	N/A
4**	5216.800	88.66	-0.30	--	--	AV	241.00	150	Vertical	N/A
5	11612.650	50.91	20.20	74.0	-23.09	Peak	300.00	150	Vertical	Pass
5**	11612.650	39.08	20.20	54.0	-14.92	AV	300.00	150	Vertical	Pass
6	15433.538	55.54	23.22	74.0	-18.46	Peak	0.00	150	Vertical	Pass
6**	15433.538	43.14	23.22	54.0	-10.86	AV	0.00	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	1499.200	37.56	-15.18	74.0	-36.44	Peak	360.00	150	Horizontal	Pass
1**	1499.200	27.88	-15.18	54.0	-26.12	AV	360.00	150	Horizontal	Pass
2	2783.500	41.15	-8.76	74.0	-32.85	Peak	336.00	150	Horizontal	Pass
2**	2783.500	33.22	-8.76	54.0	-20.78	AV	336.00	150	Horizontal	Pass
3	4151.200	47.52	-3.47	74.0	-26.48	Peak	321.00	150	Horizontal	Pass
3**	4151.200	35.37	-3.47	54.0	-18.63	AV	321.00	150	Horizontal	Pass
4	5235.600	105.35	-0.77	--	--	Peak	198.00	150	Horizontal	N/A
4**	5235.600	99.07	-0.77	--	--	AV	198.00	150	Horizontal	N/A
5	11614.662	50.45	20.21	74.0	-23.55	Peak	10.00	150	Horizontal	Pass
5**	11614.662	38.88	20.21	54.0	-15.12	AV	10.00	150	Horizontal	Pass
6	15541.425	55.18	23.69	74.0	-18.82	Peak	0.00	150	Horizontal	Pass
6**	15541.425	44.14	23.69	54.0	-9.86	AV	0.00	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	1127.600	36.81	-15.28	74.0	-37.19	Peak	360.00	150	Vertical	Pass
1**	1127.600	26.37	-15.28	54.0	-27.63	AV	360.00	150	Vertical	Pass
2	2802.900	42.53	-8.65	74.0	-31.47	Peak	168.00	150	Vertical	Pass
2**	2802.900	32.91	-8.65	54.0	-21.09	AV	168.00	150	Vertical	Pass
3	4022.600	47.42	-4.05	74.0	-26.58	Peak	360.00	150	Vertical	Pass
3**	4022.600	35.23	-4.05	54.0	-18.77	AV	360.00	150	Vertical	Pass
4	5233.600	95.62	-0.70	--	--	Peak	243.00	150	Vertical	N/A
4**	5233.600	88.68	-0.70	--	--	AV	243.00	150	Vertical	N/A
5	11636.513	50.64	20.34	74.0	-23.36	Peak	115.00	150	Vertical	Pass
5**	11636.513	38.50	20.34	54.0	-15.50	AV	115.00	150	Vertical	Pass
6	15656.662	55.10	23.48	74.0	-18.90	Peak	0.00	150	Vertical	Pass
6**	15656.662	43.95	23.48	54.0	-10.05	AV	0.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1536.900	37.92	-14.84	74.0	-36.08	Peak	129.00	150	Horizontal	Pass
1**	1536.900	29.31	-14.84	54.0	-24.69	AV	129.00	150	Horizontal	Pass
2	2810.500	41.72	-8.60	74.0	-32.28	Peak	188.00	150	Horizontal	Pass
2**	2810.500	31.86	-8.60	54.0	-22.14	AV	188.00	150	Horizontal	Pass
3	4099.800	47.35	-4.30	74.0	-26.65	Peak	36.00	150	Horizontal	Pass
3**	4099.800	36.03	-4.30	54.0	-17.97	AV	36.00	150	Horizontal	Pass
4	5174.400	104.29	-0.58	--	--	Peak	201.00	150	Horizontal	N/A
4**	5174.400	97.48	-0.58	--	--	AV	201.00	150	Horizontal	N/A
5	11594.250	50.17	20.06	74.0	-23.83	Peak	67.00	150	Horizontal	Pass
5**	11594.250	38.46	20.06	54.0	-15.54	AV	67.00	150	Horizontal	Pass
6	15885.825	55.22	23.33	74.0	-18.78	Peak	118.00	150	Horizontal	Pass
6**	15885.825	43.43	23.33	54.0	-10.57	AV	118.00	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	1061.300	37.15	-14.87	74.0	-36.85	Peak	212.00	150	Vertical	Pass
1**	1061.300	27.02	-14.87	54.0	-26.98	AV	212.00	150	Vertical	Pass
2	2852.300	42.13	-7.67	74.0	-31.87	Peak	123.00	150	Vertical	Pass
2**	2852.300	32.58	-7.67	54.0	-21.42	AV	123.00	150	Vertical	Pass
3	4125.000	47.02	-3.98	74.0	-26.98	Peak	266.00	150	Vertical	Pass
3**	4125.000	36.08	-3.98	54.0	-17.92	AV	266.00	150	Vertical	Pass
4	5183.600	93.19	-0.60	--	--	Peak	245.00	150	Vertical	N/A
4**	5183.600	86.47	-0.60	--	--	AV	245.00	150	Vertical	N/A
5	11594.537	50.71	20.06	74.0	-23.29	Peak	341.00	150	Vertical	Pass
5**	11594.537	38.76	20.06	54.0	-15.24	AV	341.00	150	Vertical	Pass
6	15633.299	55.17	23.52	74.0	-18.83	Peak	321.00	150	Vertical	Pass
6**	15633.299	43.76	23.52	54.0	-10.24	AV	321.00	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	1039.700	37.21	-14.97	74.0	-36.79	Peak	160.00	150	Horizontal	Pass
1**	1039.700	28.42	-14.97	54.0	-25.58	AV	160.00	150	Horizontal	Pass
2	2756.400	42.57	-9.09	74.0	-31.43	Peak	47.00	150	Horizontal	Pass
2**	2756.400	32.79	-9.09	54.0	-21.21	AV	47.00	150	Horizontal	Pass
3	4066.800	46.53	-3.91	74.0	-27.47	Peak	359.00	150	Horizontal	Pass
3**	4066.800	36.00	-3.91	54.0	-18.00	AV	359.00	150	Horizontal	Pass
4	5215.200	106.17	-0.27	--	--	Peak	188.00	150	Horizontal	N/A
4**	5215.200	97.91	-0.27	--	--	AV	188.00	150	Horizontal	N/A
5	12365.038	52.01	19.58	74.0	-21.99	Peak	125.00	150	Horizontal	Pass
5**	12365.038	39.24	19.58	54.0	-14.76	AV	125.00	150	Horizontal	Pass
6	15927.037	55.14	23.74	74.0	-18.86	Peak	60.00	150	Horizontal	Pass
6**	15927.037	45.11	23.74	54.0	-8.89	AV	60.00	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	1312.300	38.46	-14.68	74.0	-35.54	Peak	272.00	150	Vertical	Pass
1**	1312.300	31.01	-14.68	54.0	-22.99	AV	272.00	150	Vertical	Pass
2	2860.300	42.62	-7.72	74.0	-31.38	Peak	157.00	150	Vertical	Pass
2**	2860.300	33.24	-7.72	54.0	-20.76	AV	157.00	150	Vertical	Pass
3	4188.800	47.01	-3.92	74.0	-26.99	Peak	150.00	150	Vertical	Pass
3**	4188.800	35.88	-3.92	54.0	-18.12	AV	150.00	150	Vertical	Pass
4	5218.400	94.45	-0.23	--	--	Peak	234.00	150	Vertical	N/A
4**	5218.400	88.71	-0.23	--	--	AV	234.00	150	Vertical	N/A
5	12206.913	50.50	20.44	74.0	-23.50	Peak	360.00	150	Vertical	Pass
5**	12206.913	39.10	20.44	54.0	-14.90	AV	360.00	150	Vertical	Pass
6	15710.737	54.87	23.51	74.0	-19.13	Peak	337.00	150	Vertical	Pass
6**	15710.737	44.77	23.51	54.0	-9.23	AV	337.00	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	1513.300	37.20	-14.79	74.0	-36.80	Peak	102.00	150	Horizontal	Pass
1**	1513.300	28.01	-14.79	54.0	-25.99	AV	102.00	150	Horizontal	Pass
2	2827.800	41.75	-8.50	74.0	-32.25	Peak	-2.00	150	Horizontal	Pass
2**	2827.800	31.37	-8.50	54.0	-22.63	AV	-2.00	150	Horizontal	Pass
3	4101.200	47.51	-4.23	74.0	-26.49	Peak	307.00	150	Horizontal	Pass
3**	4101.200	36.12	-4.23	54.0	-17.88	AV	307.00	150	Horizontal	Pass
4	5237.400	104.94	-0.87	--	--	Peak	193.00	150	Horizontal	N/A
4**	5237.400	98.12	-0.87	--	--	AV	193.00	150	Horizontal	N/A
5	11613.225	50.89	20.20	74.0	-23.11	Peak	64.00	150	Horizontal	Pass
5**	11613.225	39.23	20.20	54.0	-14.77	AV	64.00	150	Horizontal	Pass
6	15523.838	55.33	23.76	74.0	-18.67	Peak	362.00	150	Horizontal	Pass
6**	15523.838	43.05	23.76	54.0	-10.95	AV	362.00	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	1485.300	37.70	-15.14	74.0	-36.30	Peak	182.00	150	Vertical	Pass
1**	1485.300	28.53	-15.14	54.0	-25.47	AV	182.00	150	Vertical	Pass
2	2809.800	41.82	-8.61	74.0	-32.18	Peak	-2.00	150	Vertical	Pass
2**	2809.800	32.37	-8.61	54.0	-21.63	AV	-2.00	150	Vertical	Pass
3	4166.600	46.69	-3.82	74.0	-27.31	Peak	359.00	150	Vertical	Pass
3**	4166.600	35.08	-3.82	54.0	-18.92	AV	359.00	150	Vertical	Pass
4	5237.000	94.20	-0.84	--	--	Peak	233.00	150	Vertical	N/A
4**	5237.000	88.02	-0.84	--	--	AV	233.00	150	Vertical	N/A
5	11700.625	50.81	19.81	74.0	-23.19	Peak	0.00	150	Vertical	Pass
5**	11700.625	39.31	19.81	54.0	-14.69	AV	0.00	150	Vertical	Pass
6	15440.625	54.88	23.26	74.0	-19.12	Peak	362.00	150	Vertical	Pass
6**	15440.625	43.22	23.26	54.0	-10.78	AV	362.00	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	1569.200	37.69	-15.31	74.0	-36.31	Peak	216.00	150	Horizontal	Pass
1**	1569.200	27.19	-15.31	54.0	-26.81	AV	216.00	150	Horizontal	Pass
2	2743.200	42.05	-9.05	74.0	-31.95	Peak	360.00	150	Horizontal	Pass
2**	2743.200	32.90	-9.05	54.0	-21.10	AV	360.00	150	Horizontal	Pass
3	4295.200	47.89	-3.81	74.0	-26.11	Peak	45.00	150	Horizontal	Pass
3**	4295.200	35.64	-3.81	54.0	-18.36	AV	45.00	150	Horizontal	Pass
4	5196.400	101.19	-0.76	--	--	Peak	178.00	150	Horizontal	N/A
4**	5196.400	94.11	-0.76	--	--	AV	178.00	150	Horizontal	N/A
5	12347.500	52.23	19.73	74.0	-21.77	Peak	338.00	150	Horizontal	Pass
5**	12347.500	39.71	19.73	54.0	-14.29	AV	338.00	150	Horizontal	Pass
6	15886.612	54.91	23.32	74.0	-19.09	Peak	123.00	150	Horizontal	Pass
6**	15886.612	43.07	23.32	54.0	-10.93	AV	123.00	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	1485.600	37.43	-15.14	74.0	-36.57	Peak	360.00	150	Vertical	Pass
1**	1485.600	27.95	-15.14	54.0	-26.05	AV	360.00	150	Vertical	Pass
2	2789.600	41.70	-8.99	74.0	-32.30	Peak	211.00	150	Vertical	Pass
2**	2789.600	32.33	-8.99	54.0	-21.67	AV	211.00	150	Vertical	Pass
3	4273.800	47.48	-3.62	74.0	-26.52	Peak	40.00	150	Vertical	Pass
3**	4273.800	35.74	-3.62	54.0	-18.26	AV	40.00	150	Vertical	Pass
4	5196.400	91.62	-0.76	--	--	Peak	241.00	150	Vertical	N/A
4**	5196.400	83.95	-0.76	--	--	AV	241.00	150	Vertical	N/A
5	11762.437	50.60	18.83	74.0	-23.40	Peak	110.00	150	Vertical	Pass
5**	11762.437	39.07	18.83	54.0	-14.93	AV	110.00	150	Vertical	Pass
6	15951.713	55.86	23.96	74.0	-18.14	Peak	339.00	150	Vertical	Pass
6**	15951.713	43.24	23.96	54.0	-10.76	AV	339.00	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	1499.900	36.71	-15.19	74.0	-37.29	Peak	4.00	150	Horizontal	Pass
1**	1499.900	27.89	-15.19	54.0	-26.11	AV	4.00	150	Horizontal	Pass
2	2802.500	42.08	-8.67	74.0	-31.92	Peak	22.00	150	Horizontal	Pass
2**	2802.500	31.57	-8.67	54.0	-22.43	AV	22.00	150	Horizontal	Pass
3	4134.000	45.74	-4.15	74.0	-28.26	Peak	322.00	150	Horizontal	Pass
3**	4134.000	35.92	-4.15	54.0	-18.08	AV	322.00	150	Horizontal	Pass
4	5236.400	100.56	-0.80	--	--	Peak	180.00	150	Horizontal	N/A
4**	5236.400	93.66	-0.80	--	--	AV	180.00	150	Horizontal	N/A
5	11561.187	47.79	19.78	74.0	-26.21	Peak	89.00	150	Horizontal	Pass
5**	11561.187	36.27	19.78	54.0	-17.73	AV	89.00	150	Horizontal	Pass
6	15670.050	53.38	23.52	74.0	-20.62	Peak	281.00	150	Horizontal	Pass
6**	15670.050	41.52	23.52	54.0	-12.48	AV	281.00	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	1491.500	42.49	-15.13	74.0	-31.51	Peak	356.00	150	Vertical	Pass
1**	1491.500	28.16	-15.13	54.0	-25.84	AV	356.00	150	Vertical	Pass
2	2754.800	41.31	-9.09	74.0	-32.69	Peak	11.00	150	Vertical	Pass
2**	2754.800	31.36	-9.09	54.0	-22.64	AV	11.00	150	Vertical	Pass
3	4054.200	46.51	-3.80	74.0	-27.49	Peak	0.00	150	Vertical	Pass
3**	4054.200	34.29	-3.80	54.0	-19.71	AV	0.00	150	Vertical	Pass
4	5233.400	90.25	-0.68	--	--	Peak	228.00	150	Vertical	N/A
4**	5233.400	83.52	-0.68	--	--	AV	228.00	150	Vertical	N/A
5	11595.112	48.13	20.07	74.0	-25.87	Peak	360.00	150	Vertical	Pass
5**	11595.112	37.32	20.07	54.0	-16.68	AV	360.00	150	Vertical	Pass
6	15642.750	53.09	23.55	74.0	-20.91	Peak	217.00	150	Vertical	Pass
6**	15642.750	42.33	23.55	54.0	-11.67	AV	217.00	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	1328.000	44.12	-17.31	74.0	-29.88	Peak	52.00	150	Horizontal	Pass
1**	1328.000	31.97	-17.31	54.0	-22.03	AV	52.00	150	Horizontal	Pass
2	2878.300	43.62	-9.51	74.0	-30.38	Peak	197.00	150	Horizontal	Pass
2**	2878.300	34.71	-9.51	54.0	-19.29	AV	197.00	150	Horizontal	Pass
3	4269.250	48.65	-5.22	74.0	-25.35	Peak	216.00	150	Horizontal	Pass
3**	4269.250	38.84	-5.22	54.0	-15.16	AV	216.00	150	Horizontal	Pass
4	5256.250	103.90	-3.37	--	16.90	Peak	87.00	150	Horizontal	N/A
4**	5256.250	96.52	-3.37	--	96.52	AV	87.00	150	Horizontal	N/A
5	11909.724	48.81	-2.84	74.0	-25.19	Peak	198.00	150	Horizontal	Pass
5**	11909.724	40.06	-2.84	54.0	-13.94	AV	198.00	150	Horizontal	Pass
6	16131.000	52.20	-0.68	74.0	-21.80	Peak	303.00	150	Horizontal	Pass
6**	16131.000	42.85	-0.68	54.0	-11.15	AV	303.00	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	1596.100	41.36	-17.52	74.0	-32.64	Peak	155.00	150	Vertical	Pass
1**	1596.100	30.61	-17.52	54.0	-23.39	AV	155.00	150	Vertical	Pass
2	2743.300	43.04	-10.88	74.0	-30.96	Peak	204.00	150	Vertical	Pass
2**	2743.300	33.14	-10.88	54.0	-20.86	AV	204.00	150	Vertical	Pass
3	4247.750	48.43	-4.58	74.0	-25.57	Peak	40.00	150	Vertical	Pass
3**	4247.750	38.66	-4.58	54.0	-15.34	AV	40.00	150	Vertical	Pass
4	5264.250	96.12	-3.50	--	-154.88	Peak	251.00	150	Vertical	N/A
4**	5264.250	88.69	-3.50	--	88.69	AV	251.00	150	Vertical	N/A
5	11913.525	49.29	-2.99	74.0	-24.71	Peak	294.00	150	Vertical	Pass
5**	11913.525	40.48	-2.99	54.0	-13.52	AV	294.00	150	Vertical	Pass
6	17913.637	52.51	1.31	74.0	-21.49	Peak	257.00	150	Vertical	Pass
6**	17913.637	42.77	1.31	54.0	-11.23	AV	257.00	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	1004.200	44.41	-18.28	74.0	-29.59	Peak	143.00	150	Horizontal	Pass
1**	1004.200	38.89	-18.28	54.0	-15.11	AV	143.00	150	Horizontal	Pass
2	2807.000	43.09	-10.41	74.0	-30.91	Peak	352.00	150	Horizontal	Pass
2**	2807.000	33.42	-10.41	54.0	-20.58	AV	352.00	150	Horizontal	Pass
3	4250.750	48.43	-4.22	74.0	-25.57	Peak	60.00	150	Horizontal	Pass
3**	4250.750	39.47	-4.22	54.0	-14.53	AV	60.00	150	Horizontal	Pass
4	5305.000	104.33	-2.88	--	29.33	Peak	75.00	150	Horizontal	N/A
4**	5305.000	97.32	-2.88	--	97.32	AV	75.00	150	Horizontal	N/A
5	12547.888	50.19	-3.03	74.0	-23.81	Peak	63.00	150	Horizontal	Pass
5**	12547.888	39.29	-3.03	54.0	-14.71	AV	63.00	150	Horizontal	Pass
6	17935.161	52.05	1.03	74.0	-21.95	Peak	133.00	150	Horizontal	Pass
6**	17935.161	43.04	1.03	54.0	-10.96	AV	133.00	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	1198.000	40.07	-17.72	74.0	-33.93	Peak	72.00	150	Vertical	Pass
1**	1198.000	27.88	-17.72	54.0	-26.12	AV	72.00	150	Vertical	Pass
2	2759.200	43.62	-11.12	74.0	-30.38	Peak	33.00	150	Vertical	Pass
2**	2759.200	34.06	-11.12	54.0	-19.94	AV	33.00	150	Vertical	Pass
3	4024.250	47.27	-5.86	74.0	-26.73	Peak	360.00	150	Vertical	Pass
3**	4024.250	38.15	-5.86	54.0	-15.85	AV	360.00	150	Vertical	Pass
4	5303.250	96.58	-3.02	--	-154.42	Peak	251.00	150	Vertical	N/A
4**	5303.250	88.79	-3.02	--	88.79	AV	251.00	150	Vertical	N/A
5	12501.812	49.71	-2.70	74.0	-24.29	Peak	17.00	150	Vertical	Pass
5**	12501.812	39.97	-2.70	54.0	-14.03	AV	17.00	150	Vertical	Pass
6	17830.687	51.88	0.78	74.0	-22.12	Peak	147.00	150	Vertical	Pass
6**	17830.687	42.61	0.78	54.0	-11.39	AV	147.00	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	1003.600	44.47	-18.23	74.0	-29.53	Peak	144.00	150	Horizontal	Pass
1**	1003.600	38.97	-18.23	54.0	-15.03	AV	144.00	150	Horizontal	Pass
2	2881.100	43.67	-9.67	74.0	-30.33	Peak	346.00	150	Horizontal	Pass
2**	2881.100	33.77	-9.67	54.0	-20.23	AV	346.00	150	Horizontal	Pass
3	4199.500	48.24	-5.47	74.0	-25.76	Peak	61.00	150	Horizontal	Pass
3**	4199.500	38.78	-5.47	54.0	-15.22	AV	61.00	150	Horizontal	Pass
4	5324.500	103.89	-2.87	--	26.89	Peak	77.00	150	Horizontal	N/A
4**	5324.500	96.57	-2.87	--	96.57	AV	77.00	150	Horizontal	N/A
5	11915.900	48.74	-3.08	74.0	-25.26	Peak	239.00	150	Horizontal	Pass
5**	11915.900	39.69	-3.08	54.0	-14.31	AV	239.00	150	Horizontal	Pass
6	17924.137	52.29	1.17	74.0	-21.71	Peak	274.00	150	Horizontal	Pass
6**	17924.137	43.68	1.17	54.0	-10.32	AV	274.00	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	1563.600	41.37	-17.28	74.0	-32.63	Peak	50.00	150	Vertical	Pass
1**	1563.600	30.05	-17.28	54.0	-23.95	AV	50.00	150	Vertical	Pass
2	2810.200	42.84	-10.46	74.0	-31.16	Peak	317.00	150	Vertical	Pass
2**	2810.200	33.86	-10.46	54.0	-20.14	AV	317.00	150	Vertical	Pass
3	4203.750	47.79	-5.46	74.0	-26.21	Peak	21.00	150	Vertical	Pass
3**	4203.750	38.60	-5.46	54.0	-15.40	AV	21.00	150	Vertical	Pass
4	5317.000	96.14	-3.11	--	-155.86	Peak	252.00	150	Vertical	N/A
4**	5317.000	88.78	-3.11	--	88.78	AV	252.00	150	Vertical	N/A
5	11774.113	49.51	-3.52	74.0	-24.49	Peak	294.00	150	Vertical	Pass
5**	11774.113	39.54	-3.52	54.0	-14.46	AV	294.00	150	Vertical	Pass
6	17842.500	52.33	0.83	74.0	-21.67	Peak	135.00	150	Vertical	Pass
6**	17842.500	42.86	0.83	54.0	-11.14	AV	135.00	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	1406.300	37.83	-17.26	74.0	-36.17	Peak	147.00	150	Horizontal	Pass
1**	1406.300	27.80	-17.26	54.0	-26.20	AV	147.00	150	Horizontal	Pass
2	3845.000	47.30	-6.02	74.0	-26.70	Peak	86.00	150	Horizontal	Pass
2**	3845.000	37.95	-6.02	54.0	-16.05	AV	86.00	150	Horizontal	Pass
3	5258.750	103.01	-3.25	--	17.01	Peak	86.00	150	Horizontal	N/A
3**	5258.750	95.28	-3.25	--	95.28	AV	86.00	150	Horizontal	N/A
4	8303.525	48.74	-4.43	74.0	-25.26	Peak	205.00	150	Horizontal	Pass
4**	8303.525	39.71	-4.43	54.0	-14.29	AV	205.00	150	Horizontal	Pass
5	11909.724	48.42	-2.84	74.0	-25.58	Peak	51.00	150	Horizontal	Pass
5**	11909.724	39.82	-2.84	54.0	-14.18	AV	51.00	150	Horizontal	Pass
6	15908.924	50.37	-1.03	74.0	-23.63	Peak	0.00	150	Horizontal	Pass
6**	15908.924	41.48	-1.03	54.0	-12.52	AV	0.00	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	1196.100	42.10	-17.89	74.0	-31.90	Peak	64.00	150	Vertical	Pass
1**	1196.100	29.10	-17.89	54.0	-24.90	AV	64.00	150	Vertical	Pass
2	1595.200	41.52	-17.46	74.0	-32.48	Peak	149.00	150	Vertical	Pass
2**	1595.200	30.49	-17.46	54.0	-23.51	AV	149.00	150	Vertical	Pass
3	4279.250	48.71	-5.01	74.0	-25.29	Peak	127.00	150	Vertical	Pass
3**	4279.250	38.55	-5.01	54.0	-15.45	AV	127.00	150	Vertical	Pass
4	5264.750	95.67	-3.55	--	-158.33	Peak	254.00	150	Vertical	N/A
4**	5264.750	87.81	-3.55	--	87.81	AV	254.00	150	Vertical	N/A
5	11790.262	48.91	-3.57	74.0	-25.09	Peak	205.00	150	Vertical	Pass
5**	11790.262	39.62	-3.57	54.0	-14.38	AV	205.00	150	Vertical	Pass
6	16024.688	50.84	-1.19	74.0	-23.16	Peak	319.00	150	Vertical	Pass
6**	16024.688	41.87	-1.19	54.0	-12.13	AV	319.00	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	1330.600	43.59	-17.35	74.0	-30.41	Peak	50.00	150	Horizontal	Pass
1**	1330.600	32.53	-17.35	54.0	-21.47	AV	50.00	150	Horizontal	Pass
2	2817.800	43.16	-10.67	74.0	-30.84	Peak	46.00	150	Horizontal	Pass
2**	2817.800	33.95	-10.67	54.0	-20.05	AV	46.00	150	Horizontal	Pass
3	4020.000	47.28	-5.73	74.0	-26.72	Peak	360.00	150	Horizontal	Pass
3**	4020.000	38.14	-5.73	54.0	-15.86	AV	360.00	150	Horizontal	Pass
4	5297.500	103.47	-2.87	--	27.47	Peak	76.00	150	Horizontal	N/A
4**	5297.500	96.21	-2.87	--	96.21	AV	76.00	150	Horizontal	N/A
5	10860.687	49.30	-4.03	74.0	-24.70	Peak	18.00	150	Horizontal	Pass
5**	10860.687	39.44	-4.03	54.0	-14.56	AV	18.00	150	Horizontal	Pass
6	15945.938	51.81	-0.14	74.0	-22.19	Peak	262.00	150	Horizontal	Pass
6**	15945.938	42.80	-0.14	54.0	-11.20	AV	262.00	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	1331.300	40.52	-17.33	74.0	-33.48	Peak	107.00	100	Vertical	Pass
1**	1331.300	30.36	-17.33	54.0	-23.64	AV	107.00	100	Vertical	Pass
2	4195.000	48.08	-5.28	74.0	-25.92	Peak	45.00	100	Vertical	Pass
2**	4195.000	39.12	-5.28	54.0	-14.88	AV	45.00	100	Vertical	Pass
3	5303.250	95.95	-3.02	--	-164.05	Peak	260.00	100	Vertical	N/A
3**	5303.250	87.37	-3.02	--	87.37	AV	260.00	100	Vertical	N/A
4	8303.525	48.85	-4.43	74.0	-25.15	Peak	306.00	100	Vertical	Pass
4**	8303.525	40.83	-4.43	54.0	-13.17	AV	306.00	100	Vertical	Pass
5	11705.475	49.02	-3.69	74.0	-24.98	Peak	239.00	100	Vertical	Pass
5**	11705.475	39.40	-3.69	54.0	-14.60	AV	239.00	100	Vertical	Pass
6	15955.125	51.68	-0.12	74.0	-22.32	Peak	81.00	100	Vertical	Pass
6**	15955.125	42.07	-0.12	54.0	-11.93	AV	81.00	100	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	1564.300	40.21	-17.29	74.0	-33.79	Peak	117.00	150	Horizontal	Pass
1**	1564.300	32.41	-17.29	54.0	-21.59	AV	117.00	150	Horizontal	Pass
2	2823.000	43.62	-10.86	74.0	-30.38	Peak	333.00	150	Horizontal	Pass
2**	2823.000	34.08	-10.86	54.0	-19.92	AV	333.00	150	Horizontal	Pass
3	4126.750	48.97	-5.66	74.0	-25.03	Peak	141.00	150	Horizontal	Pass
3**	4126.750	39.48	-5.66	54.0	-14.52	AV	141.00	150	Horizontal	Pass
4	5314.500	102.37	-3.23	--	25.37	Peak	77.00	150	Horizontal	N/A
4**	5314.500	94.98	-3.23	--	94.98	AV	77.00	150	Horizontal	N/A
5	8256.263	48.97	-4.90	74.0	-25.03	Peak	95.00	150	Horizontal	Pass
5**	8256.263	40.00	-4.90	54.0	-14.00	AV	95.00	150	Horizontal	Pass
6	11702.388	48.96	-3.70	74.0	-25.04	Peak	206.00	150	Horizontal	Pass
6**	11702.388	39.29	-3.70	54.0	-14.71	AV	206.00	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	1196.500	40.07	-17.87	74.0	-33.93	Peak	65.00	100	Vertical	Pass
1**	1196.500	29.19	-17.87	54.0	-24.81	AV	65.00	100	Vertical	Pass
2	2821.400	42.73	-10.87	74.0	-31.27	Peak	331.00	100	Vertical	Pass
2**	2821.400	34.09	-10.87	54.0	-19.91	AV	331.00	100	Vertical	Pass
3	5317.000	97.00	-3.11	--	-157.00	Peak	254.00	100	Vertical	N/A
3**	5317.000	89.36	-3.11	--	89.36	AV	254.00	100	Vertical	N/A
4	8236.787	48.21	-4.81	74.0	-25.79	Peak	118.00	100	Vertical	Pass
4**	8236.787	39.03	-4.81	54.0	-14.97	AV	118.00	100	Vertical	Pass
5	11784.088	48.74	-3.55	74.0	-25.26	Peak	207.00	100	Vertical	Pass
5**	11784.088	39.93	-3.55	54.0	-14.07	AV	207.00	100	Vertical	Pass
6	16049.887	51.14	-1.63	74.0	-22.86	Peak	263.00	100	Vertical	Pass
6**	16049.887	41.47	-1.63	54.0	-12.53	AV	263.00	100	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	1553.200	38.81	-17.38	74.0	-35.19	Peak	150.00	150	Horizontal	Pass
1**	1553.200	29.34	-17.38	54.0	-24.66	AV	150.00	150	Horizontal	Pass
2	2814.500	42.73	-10.65	74.0	-31.27	Peak	335.00	150	Horizontal	Pass
2**	2814.500	33.11	-10.65	54.0	-20.89	AV	335.00	150	Horizontal	Pass
3	4013.750	48.25	-5.52	74.0	-25.75	Peak	203.00	150	Horizontal	Pass
3**	4013.750	38.16	-5.52	54.0	-15.84	AV	203.00	150	Horizontal	Pass
4	5273.000	100.37	-2.96	--	25.37	Peak	75.00	150	Horizontal	N/A
4**	5273.000	92.86	-2.96	--	92.86	AV	75.00	150	Horizontal	N/A
5	11899.513	49.09	-2.49	74.0	-24.91	Peak	263.00	150	Horizontal	Pass
5**	11899.513	39.49	-2.49	54.0	-14.51	AV	263.00	150	Horizontal	Pass
6	15917.325	51.53	-0.83	74.0	-22.47	Peak	67.00	150	Horizontal	Pass
6**	15917.325	42.10	-0.83	54.0	-11.90	AV	67.00	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	1199.900	39.80	-17.82	74.0	-34.20	Peak	74.00	150	Vertical	Pass
1**	1199.900	28.98	-17.82	54.0	-25.02	AV	74.00	150	Vertical	Pass
2	1593.600	40.20	-17.37	74.0	-33.80	Peak	159.00	150	Vertical	Pass
2**	1593.600	31.24	-17.37	54.0	-22.76	AV	159.00	150	Vertical	Pass
3	2854.000	43.39	-10.64	74.0	-30.61	Peak	304.00	150	Vertical	Pass
3**	2854.000	33.73	-10.64	54.0	-20.27	AV	304.00	150	Vertical	Pass
4	5273.750	92.52	-2.85	--	-168.48	Peak	261.00	150	Vertical	N/A
4**	5273.750	85.16	-2.85	--	85.16	AV	261.00	150	Vertical	N/A
5	8298.062	48.91	-4.26	74.0	-25.09	Peak	239.00	150	Vertical	Pass
5**	8298.062	40.39	-4.26	54.0	-13.61	AV	239.00	150	Vertical	Pass
6	15936.750	50.94	-0.36	74.0	-23.06	Peak	285.00	150	Vertical	Pass
6**	15936.750	42.39	-0.36	54.0	-11.61	AV	285.00	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	1067.200	42.97	-18.13	74.0	-31.03	Peak	158.00	100	Horizontal	Pass
1**	1067.200	36.43	-18.13	54.0	-17.57	AV	158.00	100	Horizontal	Pass
2	2808.400	43.59	-10.42	74.0	-30.41	Peak	190.00	100	Horizontal	Pass
2**	2808.400	34.76	-10.42	54.0	-19.24	AV	190.00	100	Horizontal	Pass
3	4004.500	48.28	-5.77	74.0	-25.72	Peak	91.00	100	Horizontal	Pass
3**	4004.500	38.64	-5.77	54.0	-15.36	AV	91.00	100	Horizontal	Pass
4	5301.500	100.65	-2.99	--	17.65	Peak	83.00	100	Horizontal	N/A
4**	5301.500	93.30	-2.99	--	93.30	AV	83.00	100	Horizontal	N/A
5	12515.112	49.26	-2.80	74.0	-24.74	Peak	329.00	100	Horizontal	Pass
5**	12515.112	40.92	-2.80	54.0	-13.08	AV	329.00	100	Horizontal	Pass
6	17821.499	51.87	0.75	74.0	-22.13	Peak	45.00	100	Horizontal	Pass
6**	17821.499	42.76	0.75	54.0	-11.24	AV	45.00	100	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	1197.700	41.56	-17.75	74.0	-32.44	Peak	60.00	100	Vertical	Pass
1**	1197.700	28.13	-17.75	54.0	-25.87	AV	60.00	100	Vertical	Pass
2	2875.600	42.99	-9.63	74.0	-31.01	Peak	32.00	100	Vertical	Pass
2**	2875.600	34.14	-9.63	54.0	-19.86	AV	32.00	100	Vertical	Pass
3	4224.000	48.69	-5.34	74.0	-25.31	Peak	203.00	100	Vertical	Pass
3**	4224.000	38.77	-5.34	54.0	-15.23	AV	203.00	100	Vertical	Pass
4	5315.750	93.02	-3.16	--	-165.98	Peak	259.00	100	Vertical	N/A
4**	5315.750	86.35	-3.16	--	86.35	AV	259.00	100	Vertical	N/A
5	11899.987	49.44	-2.47	74.0	-24.56	Peak	306.00	100	Vertical	Pass
5**	11899.987	40.34	-2.47	54.0	-13.66	AV	306.00	100	Vertical	Pass
6	17822.550	52.41	0.75	74.0	-21.59	Peak	262.00	100	Vertical	Pass
6**	17822.550	43.04	0.75	54.0	-10.96	AV	262.00	100	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	1034.800	44.37	-17.78	74.0	-29.63	Peak	135.00	150	Horizontal	Pass
1**	1034.800	38.77	-17.78	54.0	-15.23	AV	135.00	150	Horizontal	Pass
2	2755.300	43.29	-11.09	74.0	-30.71	Peak	166.00	150	Horizontal	Pass
2**	2755.300	33.68	-11.09	54.0	-20.32	AV	166.00	150	Horizontal	Pass
3	3666.500	49.22	-6.60	74.0	-24.78	Peak	149.00	150	Horizontal	Pass
3**	3666.500	43.81	-6.60	54.0	-10.19	AV	149.00	150	Horizontal	Pass
4	5493.750	102.99	-2.47	--	26.99	Peak	76.00	150	Horizontal	N/A
4**	5493.750	95.26	-2.47	--	95.26	AV	76.00	150	Horizontal	N/A
5	11009.838	50.38	-4.19	74.0	-23.62	Peak	30.00	150	Horizontal	Pass
5**	11009.838	38.82	-4.19	54.0	-15.18	AV	30.00	150	Horizontal	Pass
6	17970.864	52.29	1.12	74.0	-21.71	Peak	2.00	150	Horizontal	Pass
6**	17970.864	42.70	1.12	54.0	-11.30	AV	2.00	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	1593.600	40.48	-17.37	74.0	-33.52	Peak	143.00	150	Vertical	Pass
1**	1593.600	32.21	-17.37	54.0	-21.79	AV	143.00	150	Vertical	Pass
2	2833.000	43.24	-10.97	74.0	-30.76	Peak	58.00	150	Vertical	Pass
2**	2833.000	33.59	-10.97	54.0	-20.41	AV	58.00	150	Vertical	Pass
3	3666.750	48.99	-6.60	74.0	-25.01	Peak	289.00	150	Vertical	Pass
3**	3666.750	44.25	-6.60	54.0	-9.75	AV	289.00	150	Vertical	Pass
4	5496.000	99.35	-2.65	--	-62.65	Peak	162.00	150	Vertical	N/A
4**	5496.000	92.02	-2.65	--	92.02	AV	162.00	150	Vertical	N/A
5	11847.026	49.02	-3.83	74.0	-24.98	Peak	206.00	150	Vertical	Pass
5**	11847.026	39.66	-3.83	54.0	-14.34	AV	206.00	150	Vertical	Pass
6	17897.099	52.16	1.46	74.0	-21.84	Peak	12.00	150	Vertical	Pass
6**	17897.099	42.76	1.46	54.0	-11.24	AV	12.00	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	1004.700	44.51	-18.33	74.0	-29.49	Peak	143.00	150	Horizontal	Pass
1**	1004.700	37.82	-18.33	54.0	-16.18	AV	143.00	150	Horizontal	Pass
2	2768.800	42.81	-10.85	74.0	-31.19	Peak	315.00	150	Horizontal	Pass
2**	2768.800	33.62	-10.85	54.0	-20.38	AV	315.00	150	Horizontal	Pass
3	3719.750	48.50	-6.82	74.0	-25.50	Peak	163.00	150	Horizontal	Pass
3**	3719.750	42.23	-6.82	54.0	-11.77	AV	163.00	150	Horizontal	Pass
4	5578.250	103.20	-1.37	--	20.20	Peak	83.00	150	Horizontal	N/A
4**	5578.250	95.92	-1.37	--	95.92	AV	83.00	150	Horizontal	N/A
5	11158.275	51.62	-5.22	74.0	-22.38	Peak	20.00	150	Horizontal	Pass
5**	11158.275	41.45	-5.22	54.0	-12.55	AV	20.00	150	Horizontal	Pass
6	17908.126	52.38	1.39	74.0	-21.62	Peak	143.00	150	Horizontal	Pass
6**	17908.126	42.73	1.39	54.0	-11.27	AV	143.00	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	1195.600	41.05	-17.91	74.0	-32.95	Peak	58.00	150	Vertical	Pass
1**	1195.600	29.01	-17.91	54.0	-24.99	AV	58.00	150	Vertical	Pass
2	2820.700	42.40	-10.82	74.0	-31.60	Peak	147.00	150	Vertical	Pass
2**	2820.700	33.99	-10.82	54.0	-20.01	AV	147.00	150	Vertical	Pass
3	4133.750	48.61	-5.68	74.0	-25.39	Peak	164.00	150	Vertical	Pass
3**	4133.750	38.11	-5.68	54.0	-15.89	AV	164.00	150	Vertical	Pass
4	5575.500	100.09	-1.66	--	-55.91	Peak	156.00	150	Vertical	N/A
4**	5575.500	92.15	-1.66	--	92.15	AV	156.00	150	Vertical	N/A
5	11798.575	48.96	-3.60	74.0	-25.04	Peak	130.00	150	Vertical	Pass
5**	11798.575	39.83	-3.60	54.0	-14.17	AV	130.00	150	Vertical	Pass
6	17920.463	52.52	1.22	74.0	-21.48	Peak	64.00	150	Vertical	Pass
6**	17920.463	43.37	1.22	54.0	-10.63	AV	64.00	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	1014.100	44.31	-18.20	74.0	-29.69	Peak	134.00	150	Horizontal	Pass
1**	1014.100	37.98	-18.20	54.0	-16.02	AV	134.00	150	Horizontal	Pass
2	2812.800	42.73	-10.58	74.0	-31.27	Peak	229.00	150	Horizontal	Pass
2**	2812.800	33.28	-10.58	54.0	-20.72	AV	229.00	150	Horizontal	Pass
3	3800.000	48.36	-6.71	74.0	-25.64	Peak	156.00	150	Horizontal	Pass
3**	3800.000	43.89	-6.71	54.0	-10.11	AV	156.00	150	Horizontal	Pass
4	5695.250	101.20	-2.52	--	40.20	Peak	61.00	150	Horizontal	N/A
4**	5695.250	93.22	-2.52	--	93.22	AV	61.00	150	Horizontal	N/A
5	11401.475	50.76	-5.58	74.0	-23.24	Peak	20.00	150	Horizontal	Pass
5**	11401.475	42.97	-5.58	54.0	-11.03	AV	20.00	150	Horizontal	Pass
6	17934.113	52.36	1.04	74.0	-21.64	Peak	54.00	150	Horizontal	Pass
6**	17934.113	43.55	1.04	54.0	-10.45	AV	54.00	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	1594.600	41.37	-17.41	74.0	-32.63	Peak	148.00	150	Vertical	Pass
1**	1594.600	31.39	-17.41	54.0	-22.61	AV	148.00	150	Vertical	Pass
2	2819.500	42.32	-10.75	74.0	-31.68	Peak	360.00	150	Vertical	Pass
2**	2819.500	33.69	-10.75	54.0	-20.31	AV	360.00	150	Vertical	Pass
3	3903.750	47.43	-6.03	74.0	-26.57	Peak	237.00	150	Vertical	Pass
3**	3903.750	38.39	-6.03	54.0	-15.61	AV	237.00	150	Vertical	Pass
4	5698.000	97.92	-2.64	--	-236.08	Peak	334.00	150	Vertical	N/A
4**	5698.000	89.92	-2.64	--	89.92	AV	334.00	150	Vertical	N/A
5	11903.787	49.35	-2.62	74.0	-24.65	Peak	197.00	150	Vertical	Pass
5**	11903.787	40.27	-2.62	54.0	-13.73	AV	197.00	150	Vertical	Pass
6	17846.962	52.16	0.84	74.0	-21.84	Peak	99.00	150	Vertical	Pass
6**	17846.962	42.88	0.84	54.0	-11.12	AV	99.00	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	1029.000	44.26	-18.11	74.0	-29.74	Peak	134.00	150	Horizontal	Pass
1**	1029.000	37.97	-18.11	54.0	-16.03	AV	134.00	150	Horizontal	Pass
2	2830.600	43.48	-10.94	74.0	-30.52	Peak	32.00	150	Horizontal	Pass
2**	2830.600	33.98	-10.94	54.0	-20.02	AV	32.00	150	Horizontal	Pass
3	3666.750	49.63	-6.60	74.0	-24.37	Peak	147.00	150	Horizontal	Pass
3**	3666.750	46.61	-6.60	54.0	-7.39	AV	147.00	150	Horizontal	Pass
4	5496.000	103.18	-2.65	--	20.18	Peak	83.00	150	Horizontal	N/A
4**	5496.000	95.13	-2.65	--	95.13	AV	83.00	150	Horizontal	N/A
5	11899.037	48.90	-2.50	74.0	-25.10	Peak	264.00	150	Horizontal	Pass
5**	11899.037	40.06	-2.50	54.0	-13.94	AV	264.00	150	Horizontal	Pass
6	17919.150	52.20	1.24	74.0	-21.80	Peak	42.00	150	Horizontal	Pass
6**	17919.150	43.43	1.24	54.0	-10.57	AV	42.00	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	1330.000	42.14	-17.35	74.0	-31.86	Peak	115.00	150	Vertical	Pass
1**	1330.000	31.23	-17.35	54.0	-22.77	AV	115.00	150	Vertical	Pass
2	2720.400	43.00	-11.04	74.0	-31.00	Peak	360.00	150	Vertical	Pass
2**	2720.400	34.89	-11.04	54.0	-19.11	AV	360.00	150	Vertical	Pass
3	3666.500	49.09	-6.60	74.0	-24.91	Peak	284.00	150	Vertical	Pass
3**	3666.500	42.25	-6.60	54.0	-11.75	AV	284.00	150	Vertical	Pass
4	5495.000	97.81	-2.53	--	-162.19	Peak	260.00	150	Vertical	N/A
4**	5495.000	92.21	-2.53	--	92.21	AV	260.00	150	Vertical	N/A
5	11897.138	49.81	-2.55	74.0	-24.19	Peak	0.00	150	Vertical	Pass
5**	11897.138	39.94	-2.55	54.0	-14.06	AV	0.00	150	Vertical	Pass
6	17875.313	52.27	1.18	74.0	-21.73	Peak	132.00	150	Vertical	Pass
6**	17875.313	43.24	1.18	54.0	-10.76	AV	132.00	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	1035.400	44.06	-17.88	74.0	-29.94	Peak	138.00	150	Horizontal	Pass
1**	1035.400	38.83	-17.88	54.0	-15.17	AV	138.00	150	Horizontal	Pass
2	2858.200	43.01	-10.14	74.0	-30.99	Peak	90.00	150	Horizontal	Pass
2**	2858.200	33.54	-10.14	54.0	-20.46	AV	90.00	150	Horizontal	Pass
3	3720.000	48.62	-6.84	74.0	-25.38	Peak	165.00	150	Horizontal	Pass
3**	3720.000	44.90	-6.84	54.0	-9.10	AV	165.00	150	Horizontal	Pass
4	5577.500	103.18	-1.43	--	43.18	Peak	60.00	150	Horizontal	N/A
4**	5577.500	95.60	-1.43	--	95.60	AV	60.00	150	Horizontal	N/A
5	11162.313	49.20	-5.36	74.0	-24.80	Peak	29.00	150	Horizontal	Pass
5**	11162.313	40.01	-5.36	54.0	-13.99	AV	29.00	150	Horizontal	Pass
6	17913.637	53.17	1.31	74.0	-20.83	Peak	156.00	150	Horizontal	Pass
6**	17913.637	43.65	1.31	54.0	-10.35	AV	156.00	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	1333.100	42.30	-17.33	74.0	-31.70	Peak	116.00	150	Vertical	Pass
1**	1333.100	32.91	-17.33	54.0	-21.09	AV	116.00	150	Vertical	Pass
2	2772.900	43.09	-10.49	74.0	-30.91	Peak	359.00	150	Vertical	Pass
2**	2772.900	33.49	-10.49	54.0	-20.51	AV	359.00	150	Vertical	Pass
3	4200.000	47.91	-5.42	74.0	-26.09	Peak	324.00	150	Vertical	Pass
3**	4200.000	38.78	-5.42	54.0	-15.22	AV	324.00	150	Vertical	Pass
4	5575.250	98.52	-1.72	--	-50.48	Peak	149.00	150	Vertical	N/A
4**	5575.250	90.87	-1.72	--	90.87	AV	149.00	150	Vertical	N/A
5	11789.312	49.38	-3.57	74.0	-24.62	Peak	19.00	150	Vertical	Pass
5**	11789.312	39.53	-3.57	54.0	-14.47	AV	19.00	150	Vertical	Pass
6	17817.823	52.42	0.73	74.0	-21.58	Peak	239.00	150	Vertical	Pass
6**	17817.823	42.55	0.73	54.0	-11.45	AV	239.00	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	1037.300	44.42	-18.36	74.0	-29.58	Peak	133.00	150	Horizontal	Pass
1**	1037.300	37.77	-18.36	54.0	-16.23	AV	133.00	150	Horizontal	Pass
2	2817.500	42.66	-10.67	74.0	-31.34	Peak	291.00	150	Horizontal	Pass
2**	2817.500	32.89	-10.67	54.0	-21.11	AV	291.00	150	Horizontal	Pass
3	3719.750	48.27	-6.82	74.0	-25.73	Peak	155.00	150	Horizontal	Pass
3**	3719.750	42.57	-6.82	54.0	-11.43	AV	155.00	150	Horizontal	Pass
4	5577.000	103.00	-1.46	--	28.00	Peak	75.00	150	Horizontal	N/A
4**	5577.000	95.54	-1.46	--	95.54	AV	75.00	150	Horizontal	N/A
5	11159.937	49.89	-5.28	74.0	-24.11	Peak	30.00	150	Horizontal	Pass
5**	11159.937	39.76	-5.28	54.0	-14.24	AV	30.00	150	Horizontal	Pass
6	17878.989	54.04	1.23	74.0	-19.96	Peak	30.00	150	Horizontal	Pass
6**	17878.989	42.77	1.23	54.0	-11.23	AV	30.00	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	1560.900	42.95	-17.21	74.0	-31.05	Peak	37.00	150	Vertical	Pass
1**	1560.900	30.36	-17.21	54.0	-23.64	AV	37.00	150	Vertical	Pass
2	2883.200	43.39	-9.59	74.0	-30.61	Peak	360.00	150	Vertical	Pass
2**	2883.200	33.76	-9.59	54.0	-20.24	AV	360.00	150	Vertical	Pass
3	3902.500	47.65	-6.01	74.0	-26.35	Peak	11.00	150	Vertical	Pass
3**	3902.500	38.62	-6.01	54.0	-15.38	AV	11.00	150	Vertical	Pass
4	5574.250	97.76	-1.95	--	-226.24	Peak	324.00	150	Vertical	N/A
4**	5574.250	89.82	-1.95	--	89.82	AV	324.00	150	Vertical	N/A
5	11851.537	49.13	-3.80	74.0	-24.87	Peak	131.00	150	Vertical	Pass
5**	11851.537	39.38	-3.80	54.0	-14.62	AV	131.00	150	Vertical	Pass
6	17940.412	52.88	0.96	74.0	-21.12	Peak	317.00	150	Vertical	Pass
6**	17940.412	43.04	0.96	54.0	-10.96	AV	317.00	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	1003.000	44.41	-18.20	74.0	-29.59	Peak	144.00	150	Horizontal	Pass
1**	1003.000	37.83	-18.20	54.0	-16.17	AV	144.00	150	Horizontal	Pass
2	2711.300	43.00	-10.80	74.0	-31.00	Peak	354.00	150	Horizontal	Pass
2**	2711.300	32.32	-10.80	54.0	-21.68	AV	354.00	150	Horizontal	Pass
3	4195.000	48.25	-5.28	74.0	-25.75	Peak	317.00	150	Horizontal	Pass
3**	4195.000	38.40	-5.28	54.0	-15.60	AV	317.00	150	Horizontal	Pass
4	5502.000	99.82	-3.04	--	22.82	Peak	77.00	150	Horizontal	N/A
4**	5502.000	92.56	-3.04	--	92.56	AV	77.00	150	Horizontal	N/A
5	11897.612	48.99	-2.54	74.0	-25.01	Peak	342.00	150	Horizontal	Pass
5**	11897.612	40.01	-2.54	54.0	-13.99	AV	342.00	150	Horizontal	Pass
6	17940.937	52.17	0.95	74.0	-21.83	Peak	7.00	150	Horizontal	Pass
6**	17940.937	43.52	0.95	54.0	-10.48	AV	7.00	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	1596.400	40.43	-17.49	74.0	-33.57	Peak	62.00	150	Vertical	Pass
1**	1596.400	29.49	-17.49	54.0	-24.51	AV	62.00	150	Vertical	Pass
2	2859.100	42.82	-10.28	74.0	-31.18	Peak	244.00	150	Vertical	Pass
2**	2859.100	33.83	-10.28	54.0	-20.17	AV	244.00	150	Vertical	Pass
3	4338.750	49.18	-5.09	74.0	-24.82	Peak	235.00	150	Vertical	Pass
3**	4338.750	39.12	-5.09	54.0	-14.88	AV	235.00	150	Vertical	Pass
4	5499.750	95.37	-3.03	--	-155.63	Peak	251.00	150	Vertical	N/A
4**	5499.750	87.52	-3.03	--	87.52	AV	251.00	150	Vertical	N/A
5	11772.687	49.55	-3.52	74.0	-24.45	Peak	52.00	150	Vertical	Pass
5**	11772.687	39.65	-3.52	54.0	-14.35	AV	52.00	150	Vertical	Pass
6	17935.161	52.63	1.03	74.0	-21.37	Peak	0.00	150	Vertical	Pass
6**	17935.161	43.75	1.03	54.0	-10.25	AV	0.00	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	1012.000	44.85	-18.14	74.0	-29.15	Peak	139.00	150	Horizontal	Pass
1**	1012.000	38.20	-18.14	54.0	-15.80	AV	139.00	150	Horizontal	Pass
2	2823.200	43.24	-10.85	74.0	-30.76	Peak	99.00	150	Horizontal	Pass
2**	2823.200	33.61	-10.85	54.0	-20.39	AV	99.00	150	Horizontal	Pass
3	3726.750	48.78	-7.05	74.0	-25.22	Peak	148.00	150	Horizontal	Pass
3**	3726.750	44.71	-7.05	54.0	-9.29	AV	148.00	150	Horizontal	Pass
4	5576.500	93.83	-1.50	--	-30.17	Peak	124.00	150	Horizontal	N/A
4**	5576.500	85.63	-1.50	--	85.63	AV	124.00	150	Horizontal	N/A
5	12517.012	50.59	-2.81	74.0	-23.41	Peak	308.00	150	Horizontal	Pass
5**	12517.012	39.99	-2.81	54.0	-14.01	AV	308.00	150	Horizontal	Pass
6	17758.239	52.41	1.15	74.0	-21.59	Peak	261.00	150	Horizontal	Pass
6**	17758.239	42.10	1.15	54.0	-11.90	AV	261.00	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	1331.900	41.75	-17.32	74.0	-32.25	Peak	211.00	150	Vertical	Pass
1**	1331.900	32.25	-17.32	54.0	-21.75	AV	211.00	150	Vertical	Pass
2	2827.300	42.59	-10.87	74.0	-31.41	Peak	234.00	150	Vertical	Pass
2**	2827.300	33.29	-10.87	54.0	-20.71	AV	234.00	150	Vertical	Pass
3	4354.750	48.39	-4.89	74.0	-25.61	Peak	277.00	150	Vertical	Pass
3**	4354.750	38.86	-4.89	54.0	-15.14	AV	277.00	150	Vertical	Pass
4	5580.000	95.06	-1.35	--	-229.94	Peak	325.00	150	Vertical	N/A
4**	5580.000	87.24	-1.35	--	87.24	AV	325.00	150	Vertical	N/A
5	11845.363	49.14	-3.82	74.0	-24.86	Peak	30.00	150	Vertical	Pass
5**	11845.363	39.45	-3.82	54.0	-14.55	AV	30.00	150	Vertical	Pass
6	17872.687	53.01	1.15	74.0	-20.99	Peak	56.00	150	Vertical	Pass
6**	17872.687	43.11	1.15	54.0	-10.89	AV	56.00	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	1016.200	44.55	-18.12	74.0	-29.45	Peak	139.00	150	Horizontal	Pass
1**	1016.200	37.86	-18.12	54.0	-16.14	AV	139.00	150	Horizontal	Pass
2	2811.400	43.09	-10.48	74.0	-30.91	Peak	0.00	150	Horizontal	Pass
2**	2811.400	34.21	-10.48	54.0	-19.79	AV	0.00	150	Horizontal	Pass
3	3779.750	49.14	-6.07	74.0	-24.86	Peak	148.00	150	Horizontal	Pass
3**	3779.750	42.90	-6.07	54.0	-11.10	AV	148.00	150	Horizontal	Pass
4	5673.250	96.32	-2.86	--	14.32	Peak	82.00	150	Horizontal	N/A
4**	5673.250	90.48	-2.86	--	90.48	AV	82.00	150	Horizontal	N/A
5	11917.799	48.97	-3.15	74.0	-25.03	Peak	360.00	150	Horizontal	Pass
5**	11917.799	39.73	-3.15	54.0	-14.27	AV	360.00	150	Horizontal	Pass
6	17931.749	52.58	1.07	74.0	-21.42	Peak	110.00	150	Horizontal	Pass
6**	17931.749	44.01	1.07	54.0	-9.99	AV	110.00	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	1595.400	40.80	-17.48	74.0	-33.20	Peak	148.00	150	Vertical	Pass
1**	1595.400	30.22	-17.48	54.0	-23.78	AV	148.00	150	Vertical	Pass
2	2778.700	42.42	-10.66	74.0	-31.58	Peak	130.00	150	Vertical	Pass
2**	2778.700	33.10	-10.66	54.0	-20.90	AV	130.00	150	Vertical	Pass
3	4004.500	47.71	-5.77	74.0	-26.29	Peak	252.00	150	Vertical	Pass
3**	4004.500	38.16	-5.77	54.0	-15.84	AV	252.00	150	Vertical	Pass
4	5674.500	95.89	-2.83	--	-220.11	Peak	316.00	150	Vertical	N/A
4**	5674.500	88.48	-2.83	--	88.48	AV	316.00	150	Vertical	N/A
5	12532.688	50.56	-2.93	74.0	-23.44	Peak	18.00	150	Vertical	Pass
5**	12532.688	39.94	-2.93	54.0	-14.06	AV	18.00	150	Vertical	Pass
6	17920.989	51.91	1.22	74.0	-22.09	Peak	215.00	150	Vertical	Pass
6**	17920.989	44.16	1.22	54.0	-9.84	AV	215.00	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	1329.800	42.48	-14.56	74.0	-31.52	Peak	213.00	150	Horizontal	Pass
1**	1329.800	28.29	-14.56	54.0	-25.71	AV	213.00	150	Horizontal	Pass
2	2782.500	41.58	-8.76	74.0	-32.42	Peak	302.00	150	Horizontal	Pass
2**	2782.500	32.97	-8.76	54.0	-21.03	AV	302.00	150	Horizontal	Pass
3	3826.600	45.57	-5.31	74.0	-28.43	Peak	306.00	150	Horizontal	Pass
3**	3826.600	32.71	-5.31	54.0	-21.29	AV	306.00	150	Horizontal	Pass
4	5741.000	103.47	-0.01	--	--	Peak	199.00	150	Horizontal	N/A
4**	5741.000	96.71	-0.01	--	--	AV	199.00	150	Horizontal	N/A
5	11685.100	48.35	20.00	74.0	-25.65	Peak	8.00	150	Horizontal	Pass
5**	11685.100	37.38	20.00	54.0	-16.62	AV	8.00	150	Horizontal	Pass
6	15933.075	53.01	23.81	74.0	-20.99	Peak	123.00	150	Horizontal	Pass
6**	15933.075	42.04	23.81	54.0	-11.96	AV	123.00	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	1574.400	36.36	-15.32	74.0	-37.64	Peak	308.00	150	Vertical	Pass
1**	1574.400	27.00	-15.32	54.0	-27.00	AV	308.00	150	Vertical	Pass
2	2780.900	40.86	-8.73	74.0	-33.14	Peak	203.00	150	Vertical	Pass
2**	2780.900	32.39	-8.73	54.0	-21.61	AV	203.00	150	Vertical	Pass
3	3830.000	44.85	-5.43	74.0	-29.15	Peak	120.00	150	Vertical	Pass
3**	3830.000	39.79	-5.43	54.0	-14.21	AV	120.00	150	Vertical	Pass
4	5740.600	98.77	-0.02	--	--	Peak	147.00	150	Vertical	N/A
4**	5740.600	91.16	-0.02	--	--	AV	147.00	150	Vertical	N/A
5	11787.450	48.18	18.65	74.0	-25.82	Peak	227.00	150	Vertical	Pass
5**	11787.450	37.57	18.65	54.0	-16.43	AV	227.00	150	Vertical	Pass
6	15934.913	52.80	23.84	74.0	-21.20	Peak	360.00	150	Vertical	Pass
6**	15934.913	39.69	23.84	54.0	-14.31	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	1329.300	45.24	-14.60	74.0	-28.76	Peak	346.00	150	Horizontal	Pass
1**	1329.300	27.27	-14.60	54.0	-26.73	AV	346.00	150	Horizontal	Pass
2	2835.500	41.61	-8.53	74.0	-32.39	Peak	251.00	150	Horizontal	Pass
2**	2835.500	32.17	-8.53	54.0	-21.83	AV	251.00	150	Horizontal	Pass
3	4125.000	46.40	-3.98	74.0	-27.60	Peak	250.00	150	Horizontal	Pass
3**	4125.000	34.91	-3.98	54.0	-19.09	AV	250.00	150	Horizontal	Pass
4	5780.600	102.58	1.04	--	--	Peak	207.00	150	Horizontal	N/A
4**	5780.600	95.57	1.04	--	--	AV	207.00	150	Horizontal	N/A
5	11686.537	48.56	19.99	74.0	-25.44	Peak	20.00	150	Horizontal	Pass
5**	11686.537	36.92	19.99	54.0	-17.08	AV	20.00	150	Horizontal	Pass
6	15907.350	53.65	23.41	74.0	-20.35	Peak	19.00	150	Horizontal	Pass
6**	15907.350	41.28	23.41	54.0	-12.72	AV	19.00	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	1327.700	47.09	-14.70	74.0	-26.91	Peak	233.00	150	Vertical	Pass
1**	1327.700	30.69	-14.70	54.0	-23.31	AV	233.00	150	Vertical	Pass
2	2796.600	41.23	-8.94	74.0	-32.77	Peak	242.00	150	Vertical	Pass
2**	2796.600	31.91	-8.94	54.0	-22.09	AV	242.00	150	Vertical	Pass
3	4213.000	45.99	-3.89	74.0	-28.01	Peak	223.00	150	Vertical	Pass
3**	4213.000	34.02	-3.89	54.0	-19.98	AV	223.00	150	Vertical	Pass
4	5782.200	98.34	1.04	--	--	Peak	154.00	150	Vertical	N/A
4**	5782.200	92.02	1.04	--	--	AV	154.00	150	Vertical	N/A
5	11631.337	48.08	20.31	74.0	-25.92	Peak	55.00	150	Vertical	Pass
5**	11631.337	37.57	20.31	54.0	-16.43	AV	55.00	150	Vertical	Pass
6	15714.675	52.54	23.49	74.0	-21.46	Peak	195.00	150	Vertical	Pass
6**	15714.675	42.75	23.49	54.0	-11.25	AV	195.00	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	1327.700	44.76	-14.70	74.0	-29.24	Peak	299.00	150	Horizontal	Pass
1**	1327.700	30.43	-14.70	54.0	-23.57	AV	299.00	150	Horizontal	Pass
2	2851.800	42.30	-7.66	74.0	-31.70	Peak	316.00	150	Horizontal	Pass
2**	2851.800	32.20	-7.66	54.0	-21.80	AV	316.00	150	Horizontal	Pass
3	3883.000	46.89	-5.21	74.0	-27.11	Peak	196.00	150	Horizontal	Pass
3**	3883.000	35.68	-5.21	54.0	-18.32	AV	196.00	150	Horizontal	Pass
4	5820.600	102.93	0.92	--	--	Peak	196.00	150	Horizontal	N/A
4**	5820.600	96.57	0.92	--	--	AV	196.00	150	Horizontal	N/A
5	11619.262	48.13	20.23	74.0	-25.87	Peak	208.00	150	Horizontal	Pass
5**	11619.262	36.30	20.23	54.0	-17.70	AV	208.00	150	Horizontal	Pass
6	15684.487	52.80	23.59	74.0	-21.20	Peak	241.00	150	Horizontal	Pass
6**	15684.487	41.42	23.59	54.0	-12.58	AV	241.00	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	1327.900	46.37	-14.69	74.0	-27.63	Peak	243.00	150	Vertical	Pass
1**	1327.900	30.91	-14.69	54.0	-23.09	AV	243.00	150	Vertical	Pass
2	2822.400	41.71	-8.55	74.0	-32.29	Peak	164.00	150	Vertical	Pass
2**	2822.400	31.47	-8.55	54.0	-22.53	AV	164.00	150	Vertical	Pass
3	3883.400	46.44	-5.22	74.0	-27.56	Peak	242.00	150	Vertical	Pass
3**	3883.400	40.95	-5.22	54.0	-13.05	AV	242.00	150	Vertical	Pass
4	5817.800	98.55	0.96	--	--	Peak	149.00	150	Vertical	N/A
4**	5817.800	91.63	0.96	--	--	AV	149.00	150	Vertical	N/A
5	11689.987	48.27	19.94	74.0	-25.73	Peak	169.00	150	Vertical	Pass
5**	11689.987	37.12	19.94	54.0	-16.88	AV	169.00	150	Vertical	Pass
6	15926.776	53.59	23.73	74.0	-20.41	Peak	265.00	150	Vertical	Pass
6**	15926.776	42.91	23.73	54.0	-11.09	AV	265.00	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	1327.900	40.26	-14.69	74.0	-33.74	Peak	336.00	150	Horizontal	Pass
1**	1327.900	30.18	-14.69	54.0	-23.82	AV	336.00	150	Horizontal	Pass
2	2828.200	41.60	-8.53	74.0	-32.40	Peak	362.00	150	Horizontal	Pass
2**	2828.200	31.37	-8.53	54.0	-22.63	AV	362.00	150	Horizontal	Pass
3	4250.000	47.94	-3.18	74.0	-26.06	Peak	176.00	150	Horizontal	Pass
3**	4250.000	36.64	-3.18	54.0	-17.36	AV	176.00	150	Horizontal	Pass
4	5740.000	102.13	-0.05	--	--	Peak	203.00	150	Horizontal	N/A
4**	5740.000	95.15	-0.05	--	--	AV	203.00	150	Horizontal	N/A
5	11708.100	47.62	19.67	74.0	-26.38	Peak	147.00	150	Horizontal	Pass
5**	11708.100	36.89	19.67	54.0	-17.11	AV	147.00	150	Horizontal	Pass
6	15787.650	53.47	23.17	74.0	-20.53	Peak	361.00	150	Horizontal	Pass
6**	15787.650	41.73	23.17	54.0	-12.27	AV	361.00	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	1329.400	44.17	-14.59	74.0	-29.83	Peak	232.00	150	Vertical	Pass
1**	1329.400	30.45	-14.59	54.0	-23.55	AV	232.00	150	Vertical	Pass
2	2801.100	42.11	-8.73	74.0	-31.89	Peak	223.00	150	Vertical	Pass
2**	2801.100	31.03	-8.73	54.0	-22.97	AV	223.00	150	Vertical	Pass
3	3829.600	45.84	-5.48	74.0	-28.16	Peak	121.00	150	Vertical	Pass
3**	3829.600	33.97	-5.48	54.0	-20.03	AV	121.00	150	Vertical	Pass
4	5740.400	98.05	-0.03	--	--	Peak	149.00	150	Vertical	N/A
4**	5740.400	90.11	-0.03	--	--	AV	149.00	150	Vertical	N/A
5	11556.588	48.19	19.75	74.0	-25.81	Peak	0.00	150	Vertical	Pass
5**	11556.588	35.79	19.75	54.0	-18.21	AV	0.00	150	Vertical	Pass
6	15811.013	53.48	23.22	74.0	-20.52	Peak	-2.00	150	Vertical	Pass
6**	15811.013	41.54	23.22	54.0	-12.46	AV	-2.00	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	1330.200	43.57	-14.53	74.0	-30.43	Peak	166.00	150	Horizontal	Pass
1**	1330.200	29.54	-14.53	54.0	-24.46	AV	166.00	150	Horizontal	Pass
2	2788.600	41.58	-8.92	74.0	-32.42	Peak	0.00	150	Horizontal	Pass
2**	2788.600	31.20	-8.92	54.0	-22.80	AV	0.00	150	Horizontal	Pass
3	4044.800	45.92	-3.92	74.0	-28.08	Peak	301.00	150	Horizontal	Pass
3**	4044.800	34.36	-3.92	54.0	-19.64	AV	301.00	150	Horizontal	Pass
4	5780.400	102.05	1.04	--	--	Peak	207.00	150	Horizontal	N/A
4**	5780.400	95.68	1.04	--	--	AV	207.00	150	Horizontal	N/A
5	11599.138	47.73	20.12	74.0	-26.27	Peak	93.00	150	Horizontal	Pass
5**	11599.138	36.61	20.12	54.0	-17.39	AV	93.00	150	Horizontal	Pass
6	15681.599	52.45	23.59	74.0	-21.55	Peak	107.00	150	Horizontal	Pass
6**	15681.599	41.64	23.59	54.0	-12.36	AV	107.00	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	1328.500	44.86	-14.65	74.0	-29.14	Peak	4.00	150	Vertical	Pass
1**	1328.500	30.11	-14.65	54.0	-23.89	AV	4.00	150	Vertical	Pass
2	2785.100	41.38	-8.82	74.0	-32.62	Peak	57.00	150	Vertical	Pass
2**	2785.100	31.38	-8.82	54.0	-22.62	AV	57.00	150	Vertical	Pass
3	3856.800	45.92	-5.35	74.0	-28.08	Peak	214.00	150	Vertical	Pass
3**	3856.800	40.93	-5.35	54.0	-13.07	AV	214.00	150	Vertical	Pass
4	5788.600	97.72	1.02	--	--	Peak	151.00	150	Vertical	N/A
4**	5788.600	90.77	1.02	--	--	AV	151.00	150	Vertical	N/A
5	12196.850	49.42	20.41	74.0	-24.58	Peak	144.00	150	Vertical	Pass
5**	12196.850	36.97	20.41	54.0	-17.03	AV	144.00	150	Vertical	Pass
6	15562.424	53.39	23.58	74.0	-20.61	Peak	245.00	150	Vertical	Pass
6**	15562.424	41.25	23.58	54.0	-12.75	AV	245.00	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	1329.200	43.05	-14.60	74.0	-30.95	Peak	240.00	150	Horizontal	Pass
1**	1329.200	27.39	-14.60	54.0	-26.61	AV	240.00	150	Horizontal	Pass
2	2815.300	41.67	-8.59	74.0	-32.33	Peak	346.00	150	Horizontal	Pass
2**	2815.300	31.13	-8.59	54.0	-22.87	AV	346.00	150	Horizontal	Pass
3	3883.400	45.90	-5.22	74.0	-28.10	Peak	216.00	150	Horizontal	Pass
3**	3883.400	41.99	-5.22	54.0	-12.01	AV	216.00	150	Horizontal	Pass
4	5828.400	102.35	0.91	--	--	Peak	189.00	150	Horizontal	N/A
4**	5828.400	96.03	0.91	--	--	AV	189.00	150	Horizontal	N/A
5	11796.362	48.03	18.58	74.0	-25.97	Peak	307.00	150	Horizontal	Pass
5**	11796.362	35.75	18.58	54.0	-18.25	AV	307.00	150	Horizontal	Pass
6	15970.875	53.34	24.00	74.0	-20.66	Peak	53.00	150	Horizontal	Pass
6**	15970.875	41.86	24.00	54.0	-12.14	AV	53.00	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	1328.800	47.46	-14.63	74.0	-26.54	Peak	238.00	150	Vertical	Pass
1**	1328.800	30.53	-14.63	54.0	-23.47	AV	238.00	150	Vertical	Pass
2	2860.500	42.01	-7.73	74.0	-31.99	Peak	42.00	150	Vertical	Pass
2**	2860.500	33.41	-7.73	54.0	-20.59	AV	42.00	150	Vertical	Pass
3	3883.400	47.00	-5.22	74.0	-27.00	Peak	196.00	150	Vertical	Pass
3**	3883.400	40.61	-5.22	54.0	-13.39	AV	196.00	150	Vertical	Pass
4	5826.600	98.38	0.80	--	--	Peak	149.00	150	Vertical	N/A
4**	5826.600	90.68	0.80	--	--	AV	149.00	150	Vertical	N/A
5	11018.100	47.88	18.94	74.0	-26.12	Peak	96.00	150	Vertical	Pass
5**	11018.100	35.52	18.94	54.0	-18.48	AV	96.00	150	Vertical	Pass
6	15760.349	53.26	23.29	74.0	-20.74	Peak	333.00	150	Vertical	Pass
6**	15760.349	41.15	23.29	54.0	-12.85	AV	333.00	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	1110.000	41.50	-15.23	74.0	-32.50	Peak	343.00	150	Horizontal	Pass
1**	1110.000	32.70	-15.23	54.0	-21.30	AV	343.00	150	Horizontal	Pass
2	2774.300	41.72	-8.64	74.0	-32.28	Peak	269.00	150	Horizontal	Pass
2**	2774.300	33.37	-8.64	54.0	-20.63	AV	269.00	150	Horizontal	Pass
3	3838.000	45.02	-5.25	74.0	-28.98	Peak	75.00	150	Horizontal	Pass
3**	3838.000	32.77	-5.25	54.0	-21.23	AV	75.00	150	Horizontal	Pass
4	5745.800	98.73	0.38	--	--	Peak	199.00	150	Horizontal	N/A
4**	5745.800	92.36	0.38	--	--	AV	199.00	150	Horizontal	N/A
5	11537.325	47.89	19.59	74.0	-26.11	Peak	114.00	150	Horizontal	Pass
5**	11537.325	35.80	19.59	54.0	-18.20	AV	114.00	150	Horizontal	Pass
6	15548.512	53.62	23.62	74.0	-20.38	Peak	255.00	150	Horizontal	Pass
6**	15548.512	41.79	23.62	54.0	-12.21	AV	255.00	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	1328.300	47.79	-14.67	74.0	-26.21	Peak	242.00	150	Vertical	Pass
1**	1328.300	31.91	-14.67	54.0	-22.09	AV	242.00	150	Vertical	Pass
2	2844.300	41.83	-8.05	74.0	-32.17	Peak	331.00	150	Vertical	Pass
2**	2844.300	32.27	-8.05	54.0	-21.73	AV	331.00	150	Vertical	Pass
3	3837.000	46.44	-5.28	74.0	-27.56	Peak	73.00	150	Vertical	Pass
3**	3837.000	41.00	-5.28	54.0	-13.00	AV	73.00	150	Vertical	Pass
4	5740.400	94.13	-0.03	--	--	Peak	151.00	150	Vertical	N/A
4**	5740.400	87.27	-0.03	--	--	AV	151.00	150	Vertical	N/A
5	11685.963	48.75	19.99	74.0	-25.25	Peak	134.00	150	Vertical	Pass
5**	11685.963	36.04	19.99	54.0	-17.96	AV	134.00	150	Vertical	Pass
6	15744.862	53.01	23.42	74.0	-20.99	Peak	103.00	150	Vertical	Pass
6**	15744.862	40.87	23.42	54.0	-13.13	AV	103.00	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	1329.500	44.18	-14.58	74.0	-29.82	Peak	226.00	150	Horizontal	Pass
1**	1329.500	30.80	-14.58	54.0	-23.20	AV	226.00	150	Horizontal	Pass
2	2826.800	41.59	-8.45	74.0	-32.41	Peak	262.00	150	Horizontal	Pass
2**	2826.800	31.39	-8.45	54.0	-22.61	AV	262.00	150	Horizontal	Pass
3	3863.200	46.60	-5.11	74.0	-27.40	Peak	196.00	150	Horizontal	Pass
3**	3863.200	38.10	-5.11	54.0	-15.90	AV	196.00	150	Horizontal	Pass
4	5781.200	98.84	1.04	--	--	Peak	196.00	150	Horizontal	N/A
4**	5781.200	93.13	1.04	--	--	AV	196.00	150	Horizontal	N/A
5	11519.213	48.57	19.43	74.0	-25.43	Peak	93.00	150	Horizontal	Pass
5**	11519.213	36.11	19.43	54.0	-17.89	AV	93.00	150	Horizontal	Pass
6	15631.725	53.75	23.52	74.0	-20.25	Peak	-2.00	150	Horizontal	Pass
6**	15631.725	43.09	23.52	54.0	-10.91	AV	-2.00	150	Horizontal	Pass

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

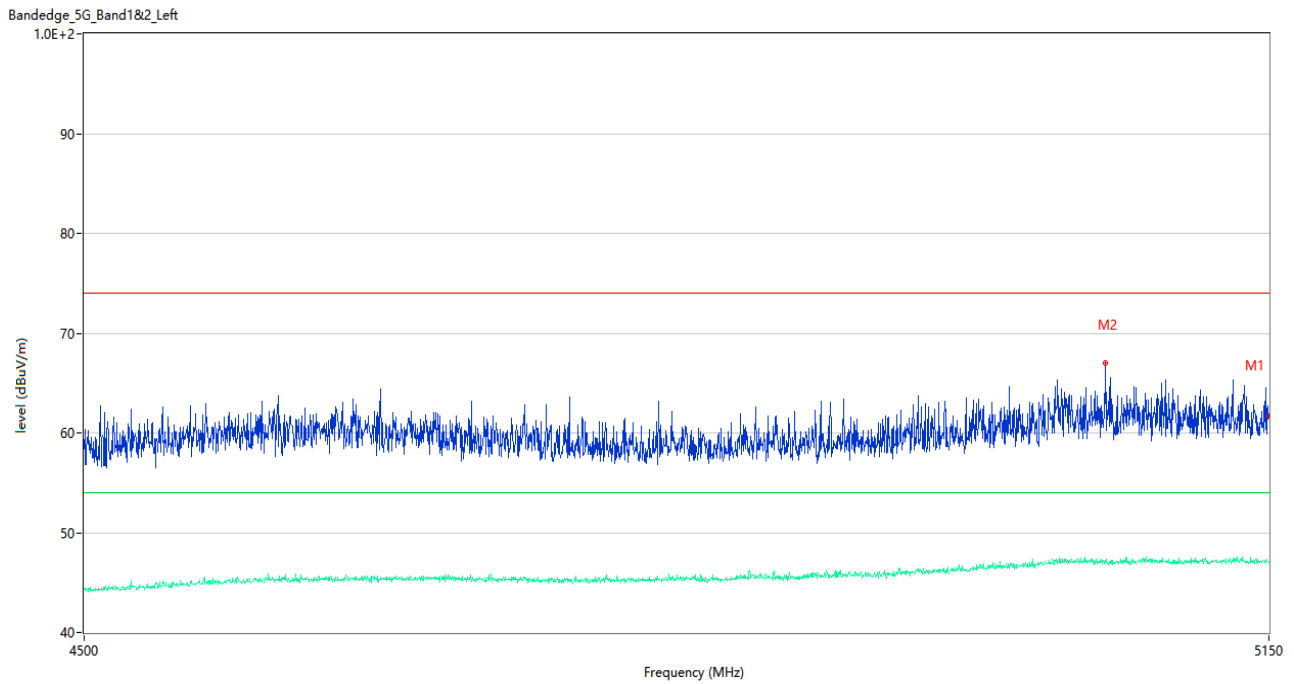
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.600	44.20	-14.65	74.0	-29.80	Peak	294.00	150	Vertical	Pass
1**	1328.600	30.82	-14.65	54.0	-23.18	AV	294.00	150	Vertical	Pass
2	2803.600	41.73	-8.70	74.0	-32.27	Peak	0.00	150	Vertical	Pass
2**	2803.600	31.64	-8.70	54.0	-22.36	AV	0.00	150	Vertical	Pass
3	3863.200	46.24	-5.11	74.0	-27.76	Peak	157.00	150	Vertical	Pass
3**	3863.200	40.17	-5.11	54.0	-13.83	AV	157.00	150	Vertical	Pass
4	5780.200	96.72	1.04	--	--	Peak	157.00	150	Vertical	N/A
4**	5780.200	88.37	1.04	--	--	AV	157.00	150	Vertical	N/A
5	11698.037	48.62	19.85	74.0	-25.38	Peak	244.00	150	Vertical	Pass
5**	11698.037	36.27	19.85	54.0	-17.73	AV	244.00	150	Vertical	Pass
6	15795.787	53.84	23.15	74.0	-20.16	Peak	297.00	150	Vertical	Pass
6**	15795.787	40.60	23.15	54.0	-13.40	AV	297.00	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

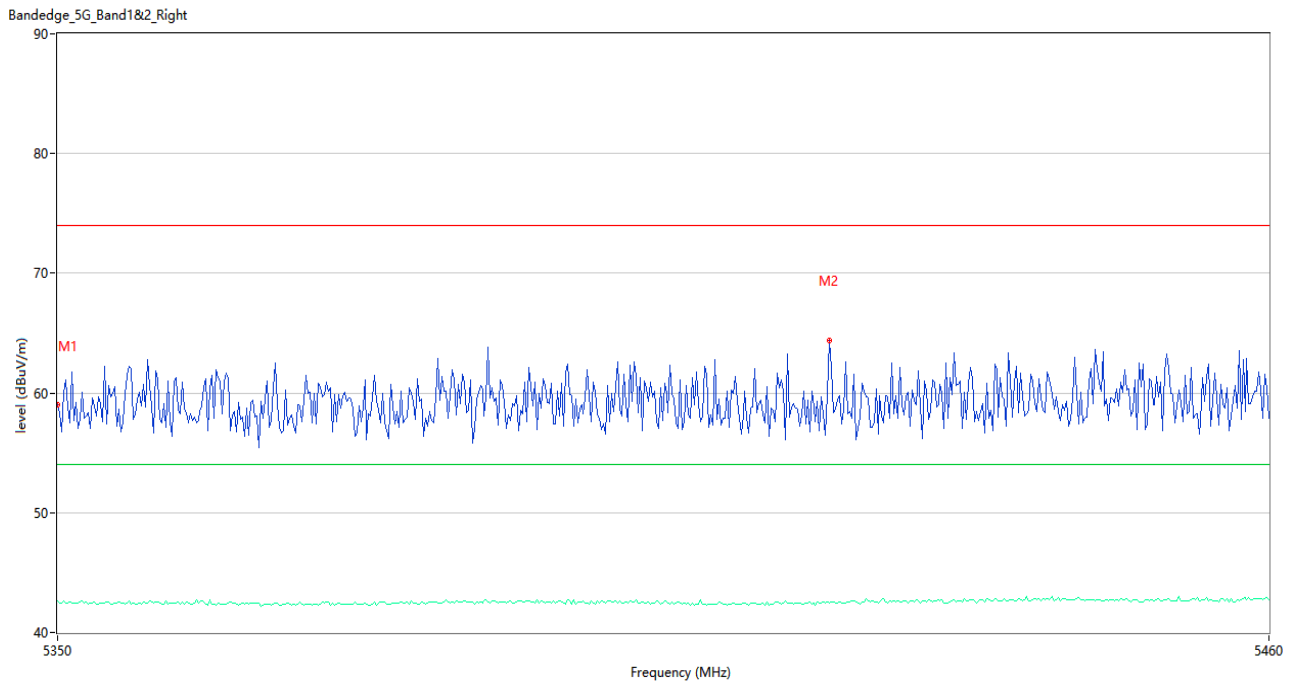
Test Data and Plots

U-NII-1 11a CH36



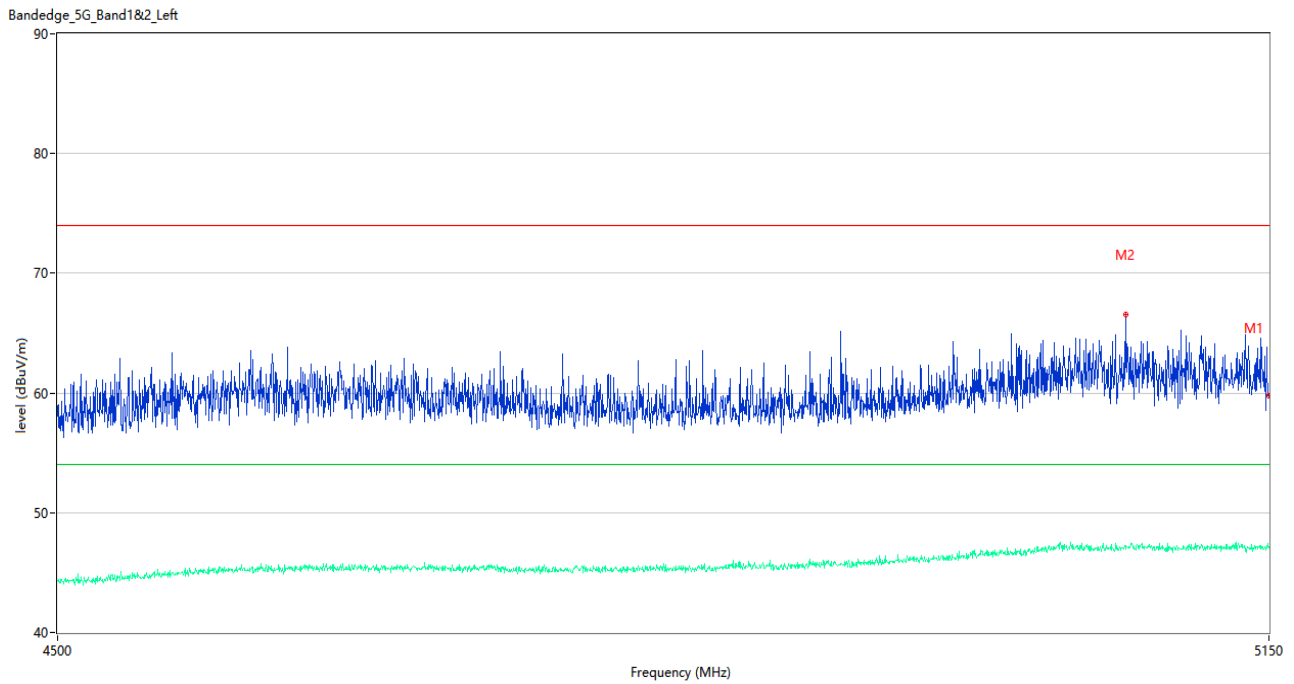
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	61.69	39.71	74.0	-12.31	Peak	9.00	150	Horizontal	Pass
1**	5150.000	47.06	39.71	54.0	-6.94	AV	9.00	150	Horizontal	Pass
2	5055.100	66.95	39.74	74.0	-7.05	Peak	12.00	150	Horizontal	Pass
2**	5055.100	47.24	39.74	54.0	-6.76	AV	12.00	150	Horizontal	Pass

U-NII-1 11a CH48



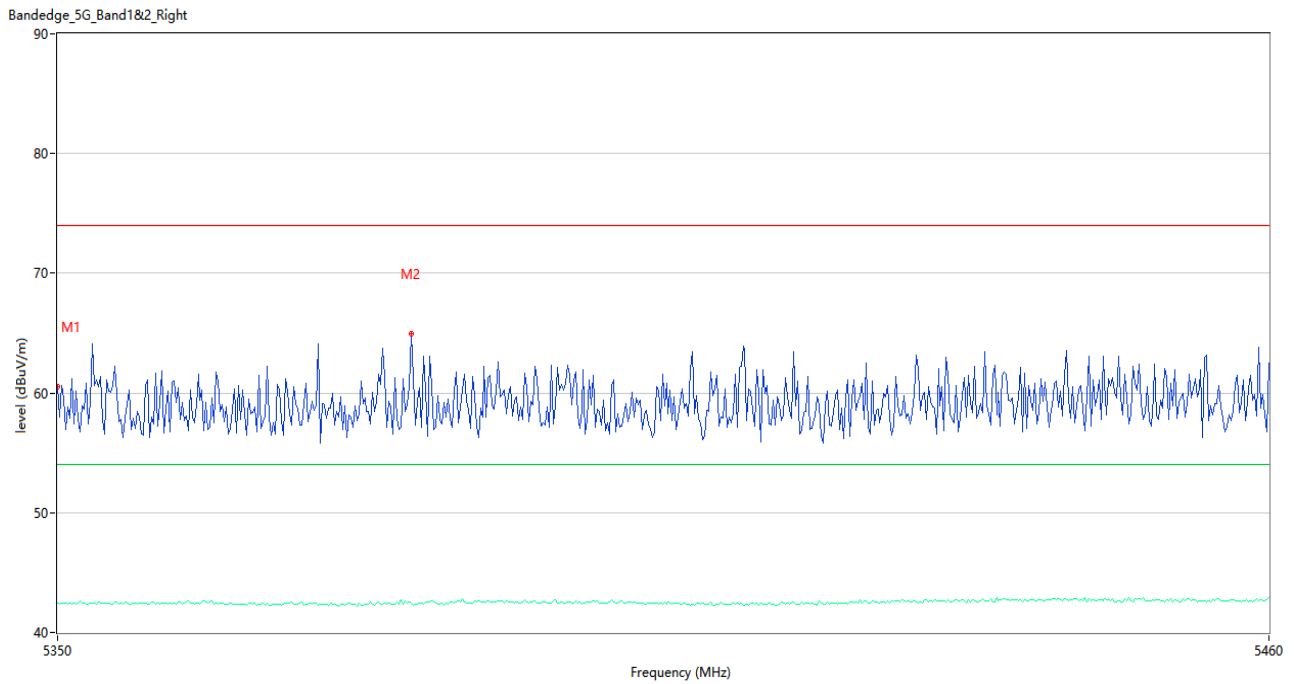
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	59.05	39.62	74.0	-14.95	Peak	15.00	150	Horizontal	Pass
1**	5350.000	42.63	39.62	54.0	-11.37	AV	15.00	150	Horizontal	Pass
2	5419.850	64.42	39.69	74.0	-9.58	Peak	2.00	150	Horizontal	Pass
2**	5419.850	42.44	39.69	54.0	-11.56	AV	2.00	150	Horizontal	Pass

U-NII-1 11n20 CH36



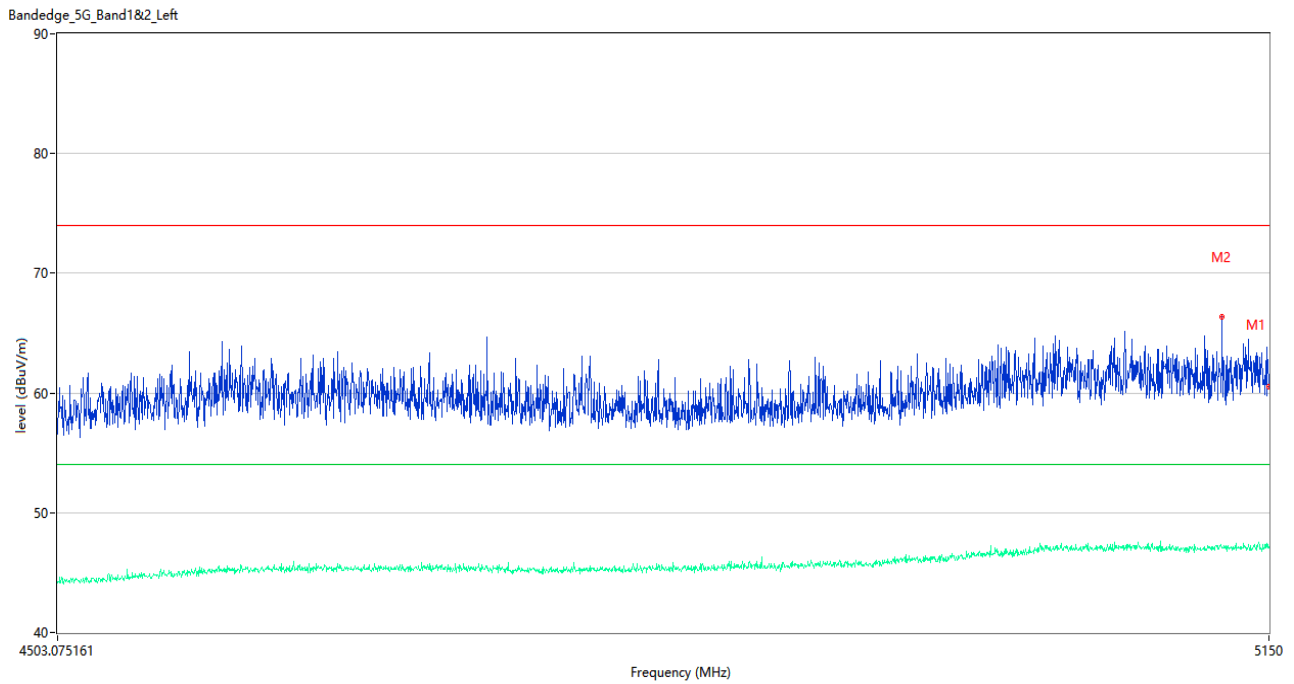
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	59.80	39.71	74.0	-14.20	Peak	11.00	150	Horizontal	Pass
1**	5150.000	47.04	39.71	54.0	-6.96	AV	11.00	150	Horizontal	Pass
2	5068.750	66.52	39.84	74.0	-7.48	Peak	11.00	150	Horizontal	Pass
2**	5068.750	47.27	39.84	54.0	-6.73	AV	11.00	150	Horizontal	Pass

U-NII-1 11n20 CH48



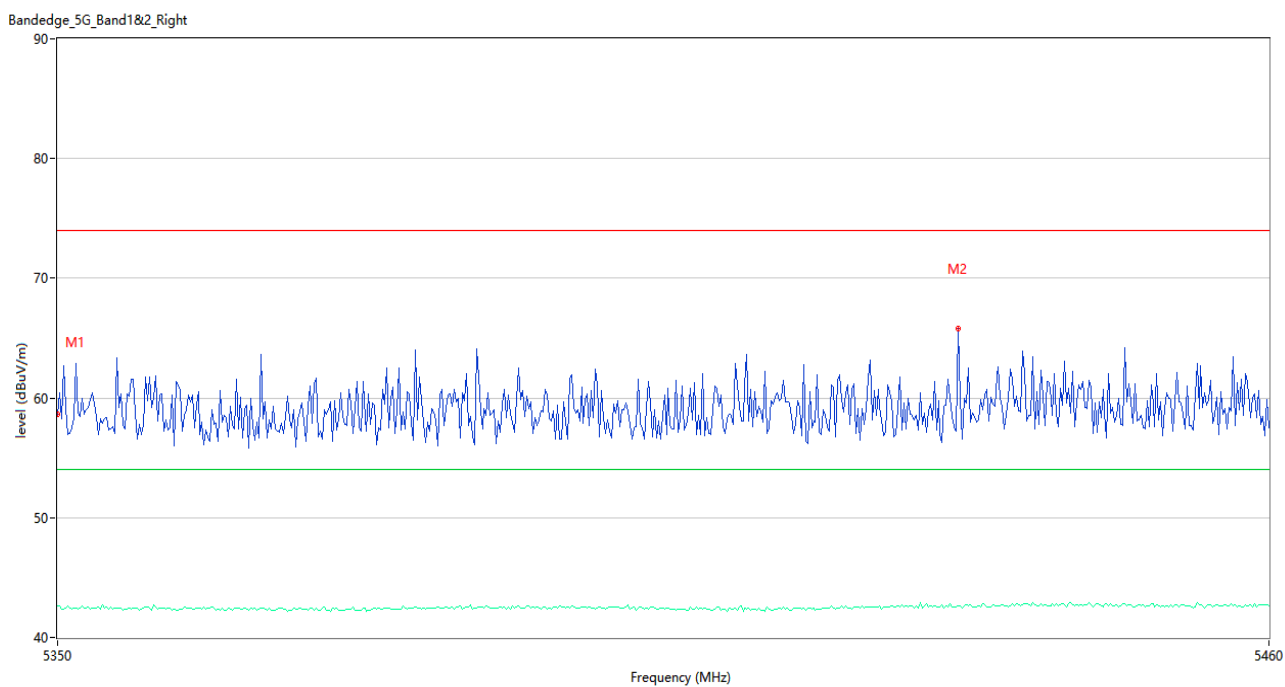
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	60.49	39.62	74.0	-13.51	Peak	1.00	150	Horizontal	Pass
1**	5350.000	42.46	39.62	54.0	-11.54	AV	1.00	150	Horizontal	Pass
2	5381.900	64.92	39.66	74.0	-9.08	Peak	3.00	150	Horizontal	Pass
2**	5381.900	42.42	39.66	54.0	-11.58	AV	3.00	150	Horizontal	Pass

U-NII-1 11n40 CH38



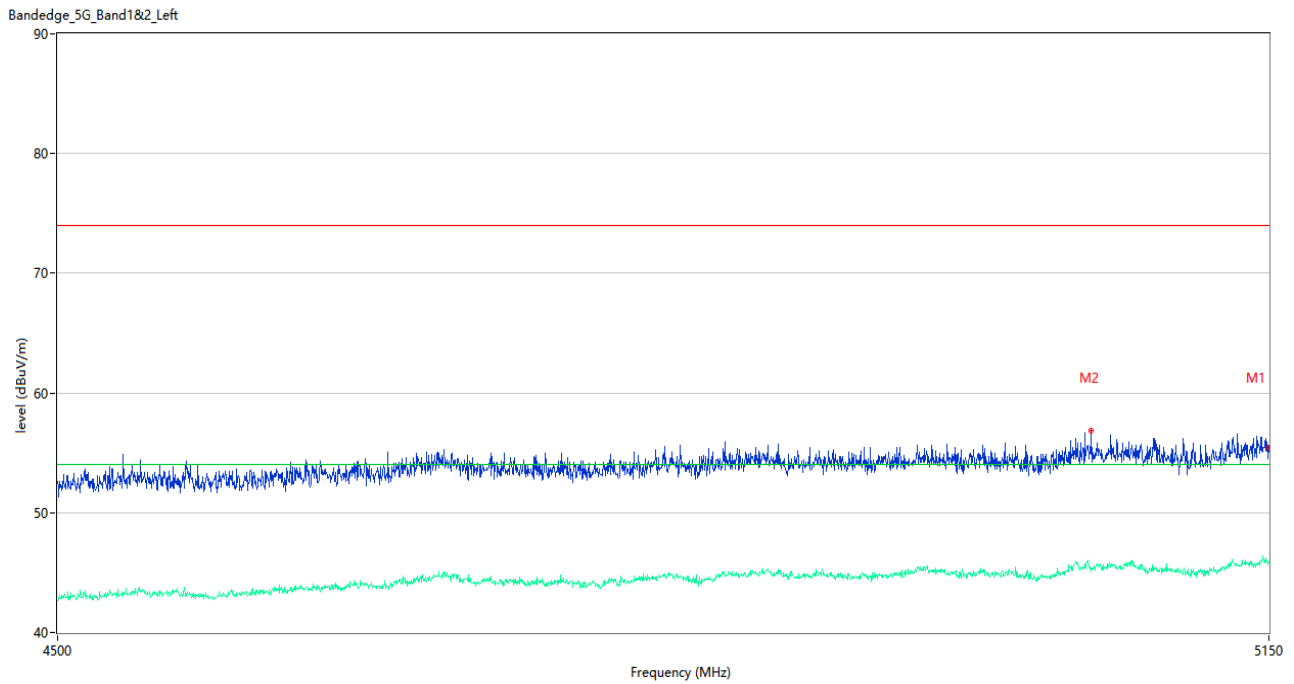
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	60.57	39.71	74.0	-13.43	Peak	1.00	150	Horizontal	Pass
1**	5150.000	47.07	39.71	54.0	-6.93	AV	1.00	150	Horizontal	Pass
2	5123.350	66.36	39.86	74.0	-7.64	Peak	11.00	150	Horizontal	Pass
2**	5123.350	47.03	39.86	54.0	-6.97	AV	11.00	150	Horizontal	Pass

U-NII-1 11n40 CH46



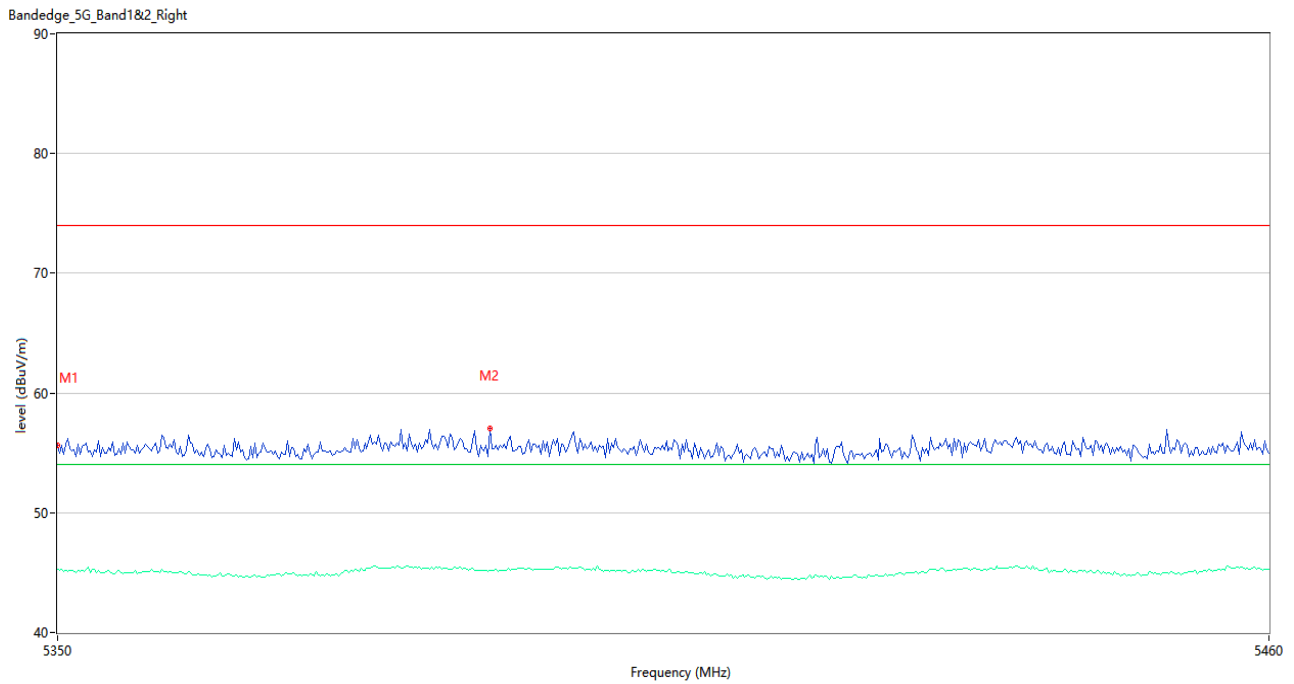
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	58.64	39.62	74.0	-15.36	Peak	12.00	150	Horizontal	Pass
1**	5350.000	42.59	39.62	54.0	-11.41	AV	12.00	150	Horizontal	Pass
2	5431.584	65.81	39.78	74.0	-8.19	Peak	7.00	150	Horizontal	Pass
2**	5431.584	42.60	39.78	54.0	-11.40	AV	7.00	150	Horizontal	Pass

U-NII-2A 11a CH52



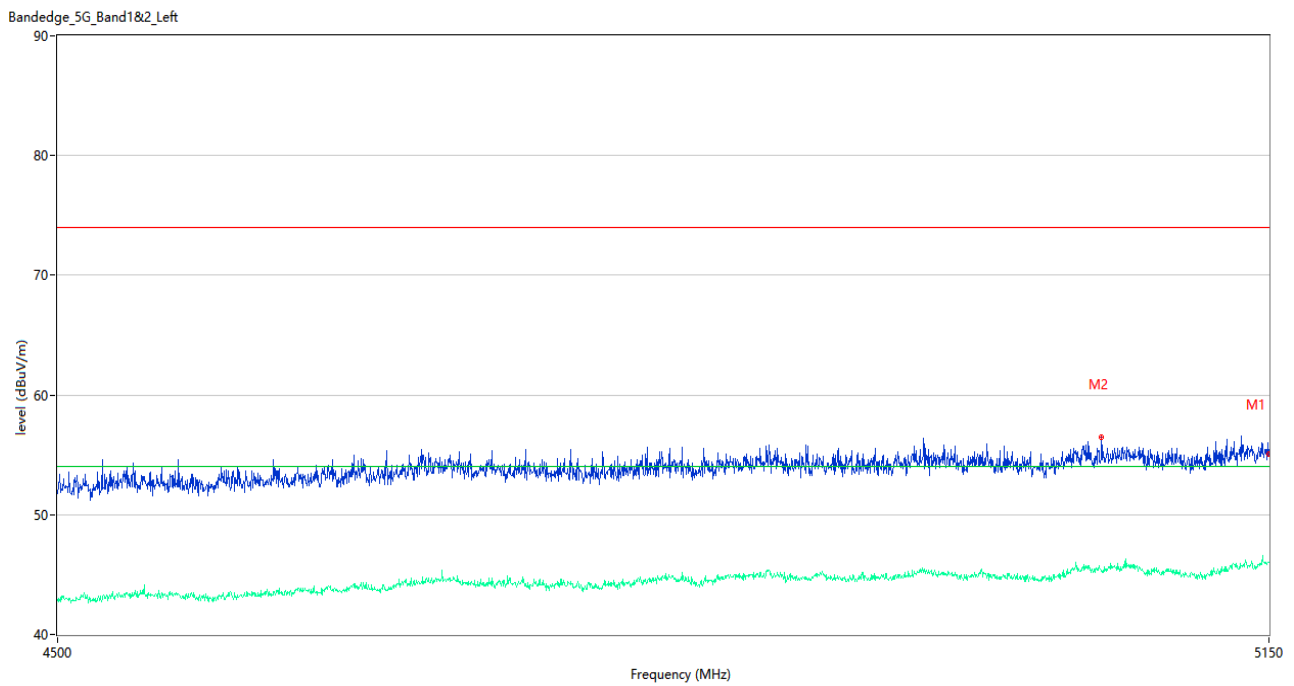
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	55.45	3.16	74.0	-18.55	Peak	1.00	150	Horizontal	Pass
1**	5150.000	45.81	3.16	54.0	-8.19	AV	1.00	150	Horizontal	Pass
2	5049.250	56.87	2.34	74.0	-17.13	Peak	1.00	150	Horizontal	Pass
2**	5049.250	45.13	2.34	54.0	-8.87	AV	1.00	150	Horizontal	Pass

U-NII-2A 11a CH64



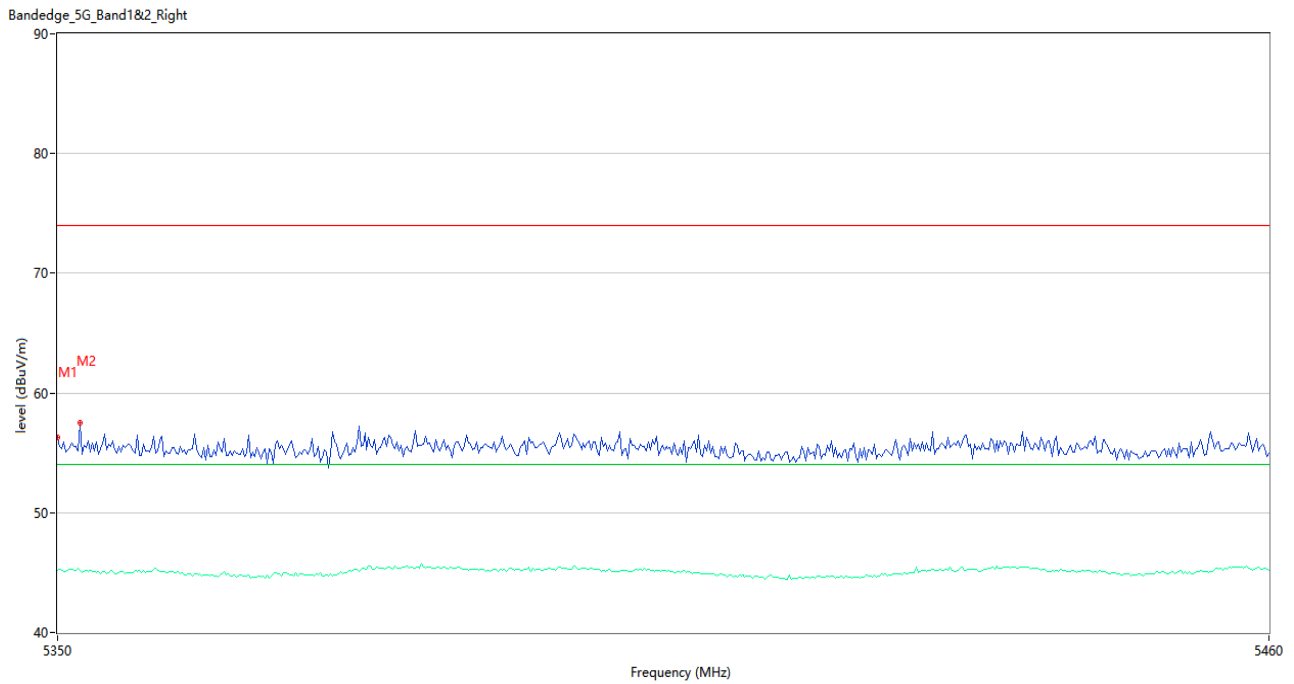
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.63	2.59	74.0	-18.37	Peak	8.00	150	Horizontal	Pass
1**	5350.000	45.23	2.59	54.0	-8.77	AV	8.00	150	Horizontal	Pass
2	5389.050	57.00	2.60	74.0	-17.00	Peak	6.00	150	Horizontal	Pass
2**	5389.050	45.14	2.60	54.0	-8.86	AV	6.00	150	Horizontal	Pass

U-NII-2A 11n20 CH52



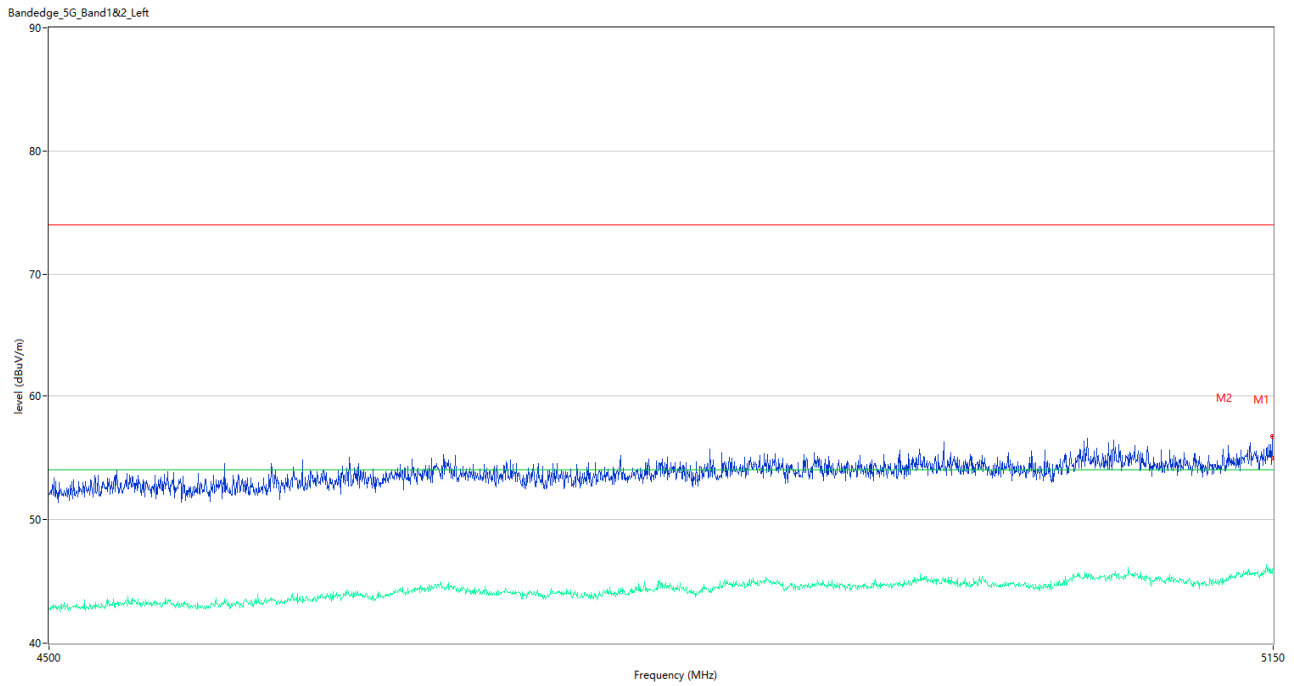
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	55.05	3.16	74.0	-18.95	Peak	13.00	150	Horizontal	Pass
1**	5150.000	46.05	3.16	54.0	-7.95	AV	13.00	150	Horizontal	Pass
2	5054.775	56.47	2.41	74.0	-17.53	Peak	4.00	150	Horizontal	Pass
2**	5054.775	45.35	2.41	54.0	-8.65	AV	4.00	150	Horizontal	Pass

U-NII-2A 11n20 CH64



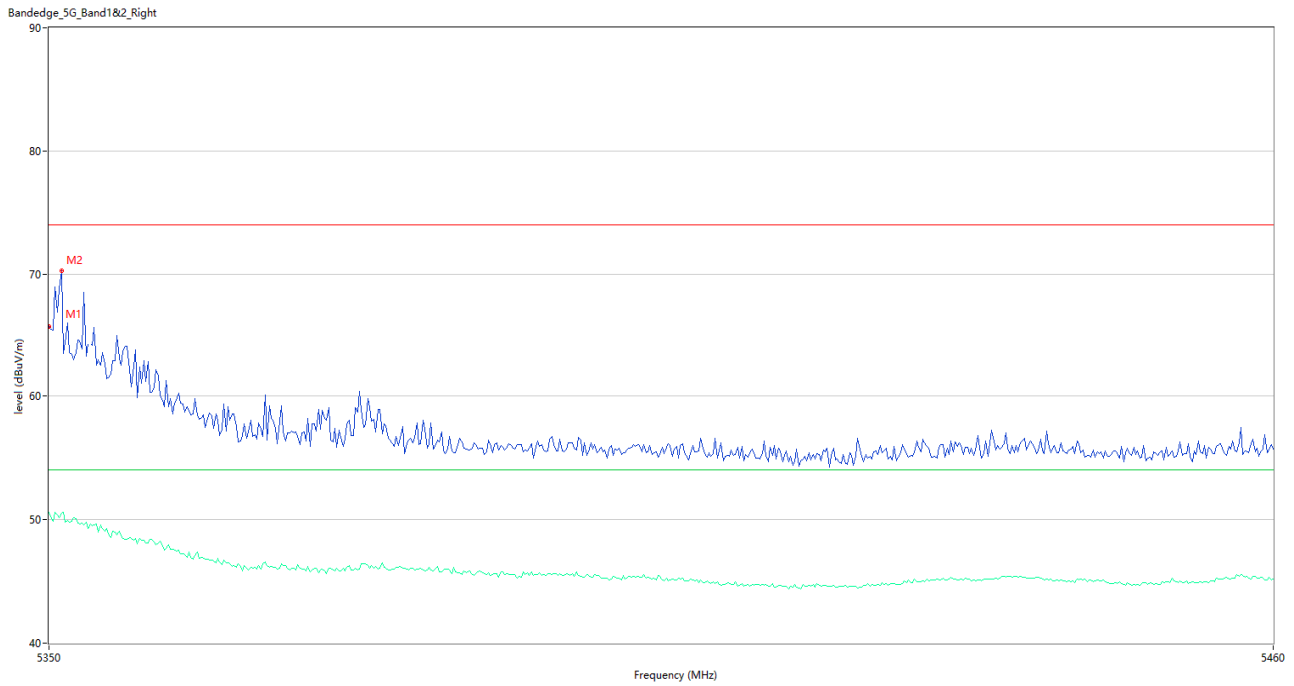
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.27	2.59	74.0	-17.73	Peak	5.00	150	Horizontal	Pass
1**	5350.000	45.20	2.59	54.0	-8.80	AV	5.00	150	Horizontal	Pass
2	5352.016	57.49	2.47	74.0	-16.51	Peak	13.00	150	Horizontal	Pass
2**	5352.016	45.20	2.47	54.0	-8.80	AV	13.00	150	Horizontal	Pass

U-NII-2A 11n40 CH54



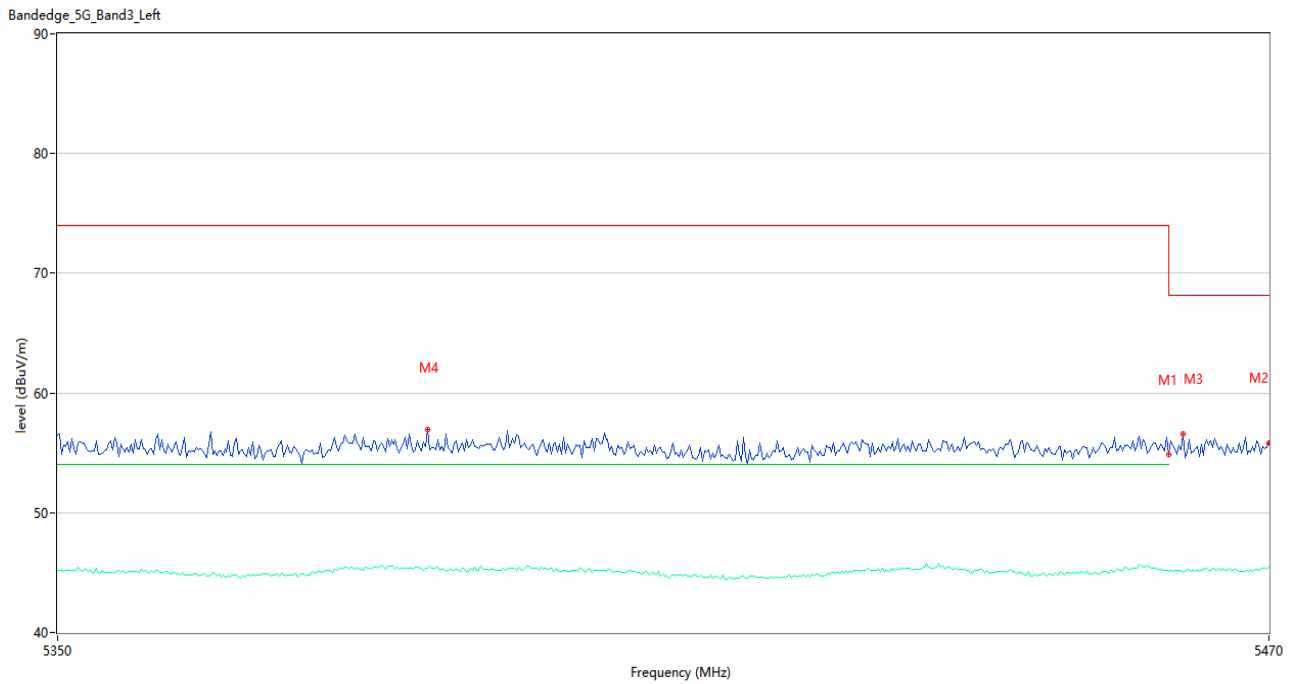
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	54.99	3.16	74.0	-19.01	Peak	2.00	150	Horizontal	Pass
1**	5150.000	46.08	3.16	54.0	-7.92	AV	2.00	150	Horizontal	Pass
2	5149.350	56.77	3.11	74.0	-17.23	Peak	3.00	150	Horizontal	Pass
2**	5149.350	45.65	3.11	54.0	-8.35	AV	3.00	150	Horizontal	Pass

U-NII-2A 11n40 CH62



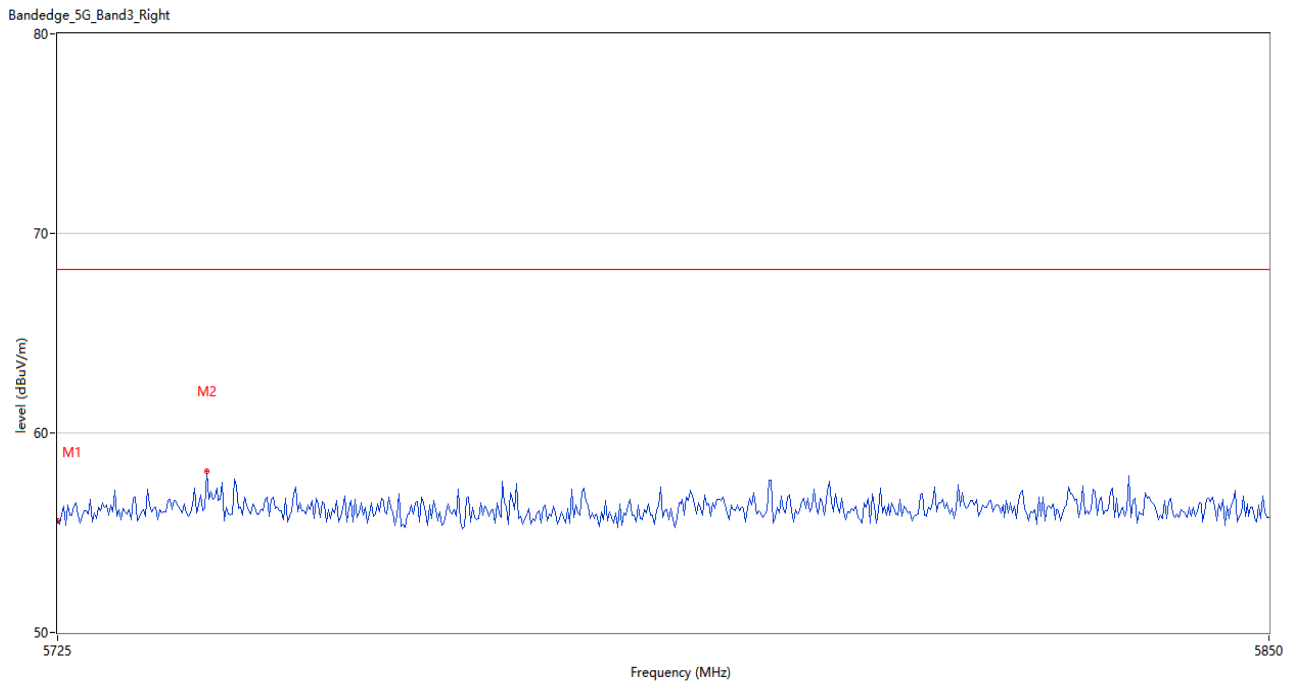
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	65.72	2.59	74.0	-8.28	Peak	148.00	150	Horizontal	Pass
1**	5350.000	50.62	2.59	54.0	-3.38	AV	148.00	150	Horizontal	Pass
2	5351.100	70.29	2.51	74.0	-3.71	Peak	164.00	150	Horizontal	Pass
2**	5351.100	50.52	2.51	54.0	-3.48	AV	164.00	150	Horizontal	Pass

U-NII-2C 11a CH100



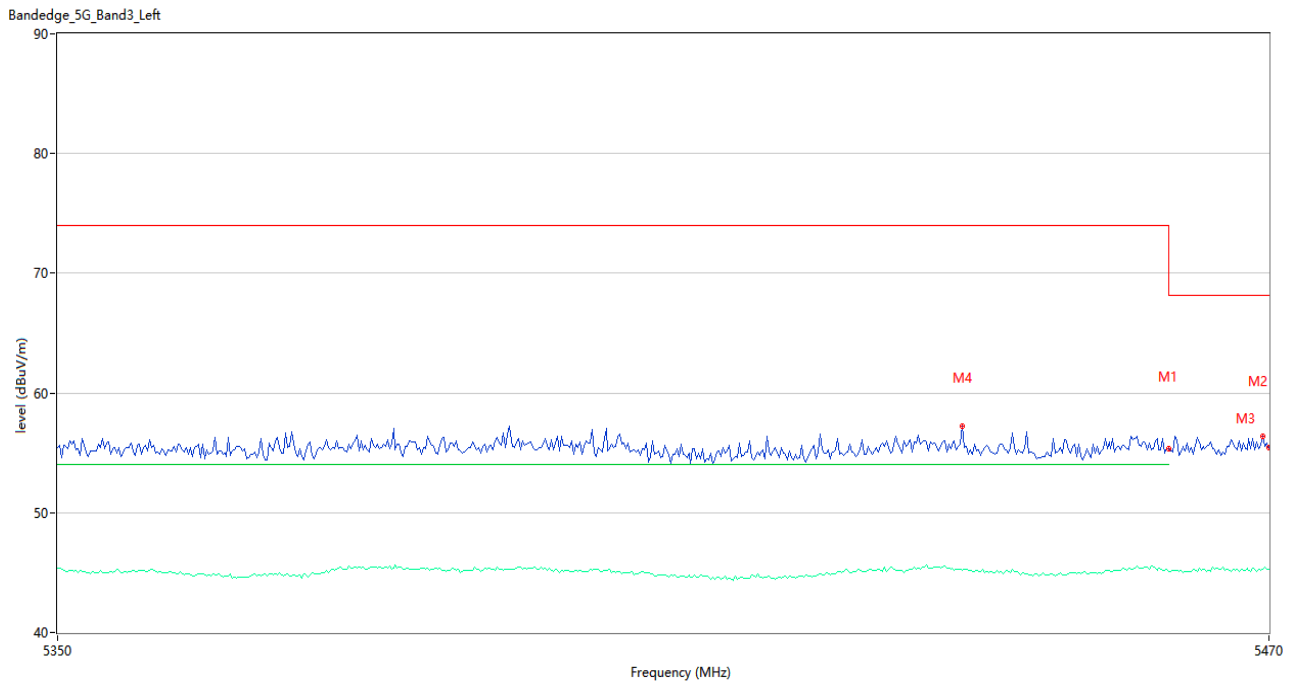
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	54.83	2.52	74.0	-19.17	Peak	7.00	150	Horizontal	Pass
1**	5460.000	45.09	2.52	54.0	-8.91	AV	7.00	150	Horizontal	Pass
2	5470.000	55.83	2.52	68.2	-12.37	Peak	5.00	150	Horizontal	Pass
2**	5470.000	45.45	2.52	--	45.45	AV	5.00	150	Horizontal	N/A
3	5461.400	56.55	2.41	68.2	-11.65	Peak	10.00	150	Horizontal	Pass
3**	5461.400	45.01	2.41	--	45.01	AV	10.00	150	Horizontal	N/A
4	5386.400	56.95	2.74	74.0	-17.05	Peak	15.00	150	Horizontal	Pass
4**	5386.400	45.33	2.74	54.0	-8.67	AV	15.00	150	Horizontal	Pass

U-NII-2C 11a CH140



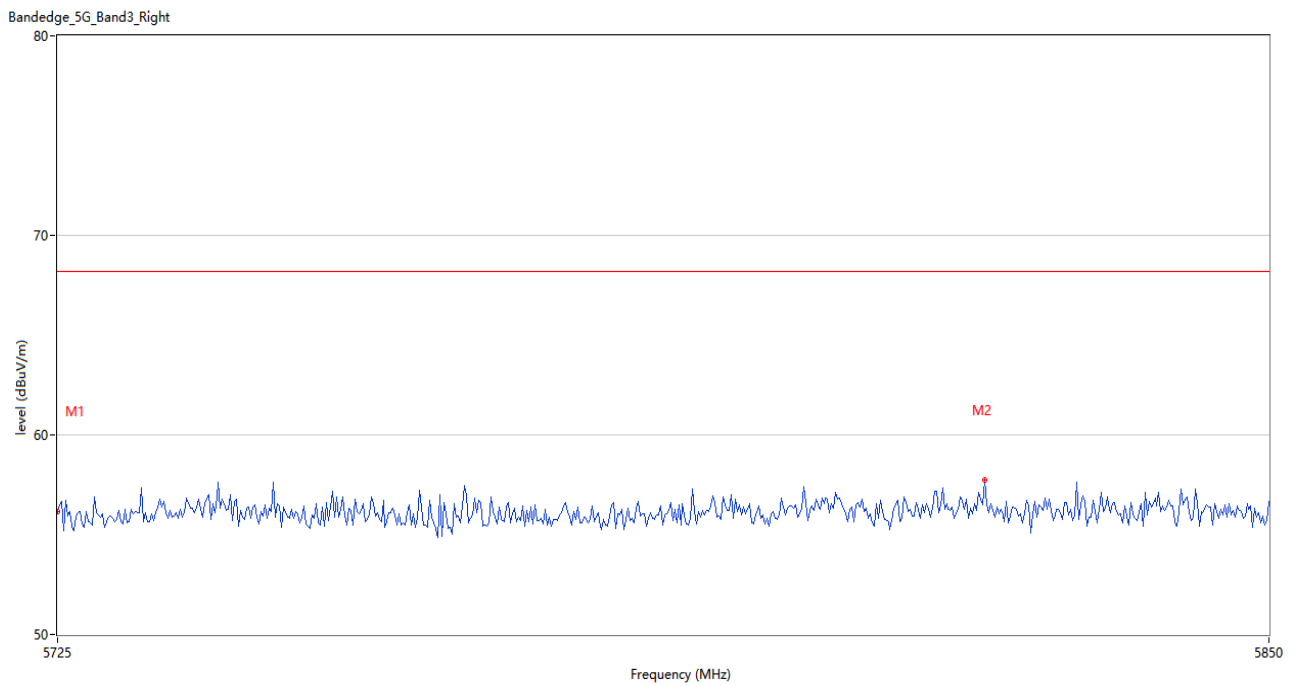
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.59	3.12	68.2	-12.61	Peak	12.00	150	Horizontal	Pass
2	5740.209	58.07	3.61	68.2	-10.13	Peak	3.00	150	Horizontal	Pass

U-NII-2C 11n20 CH100



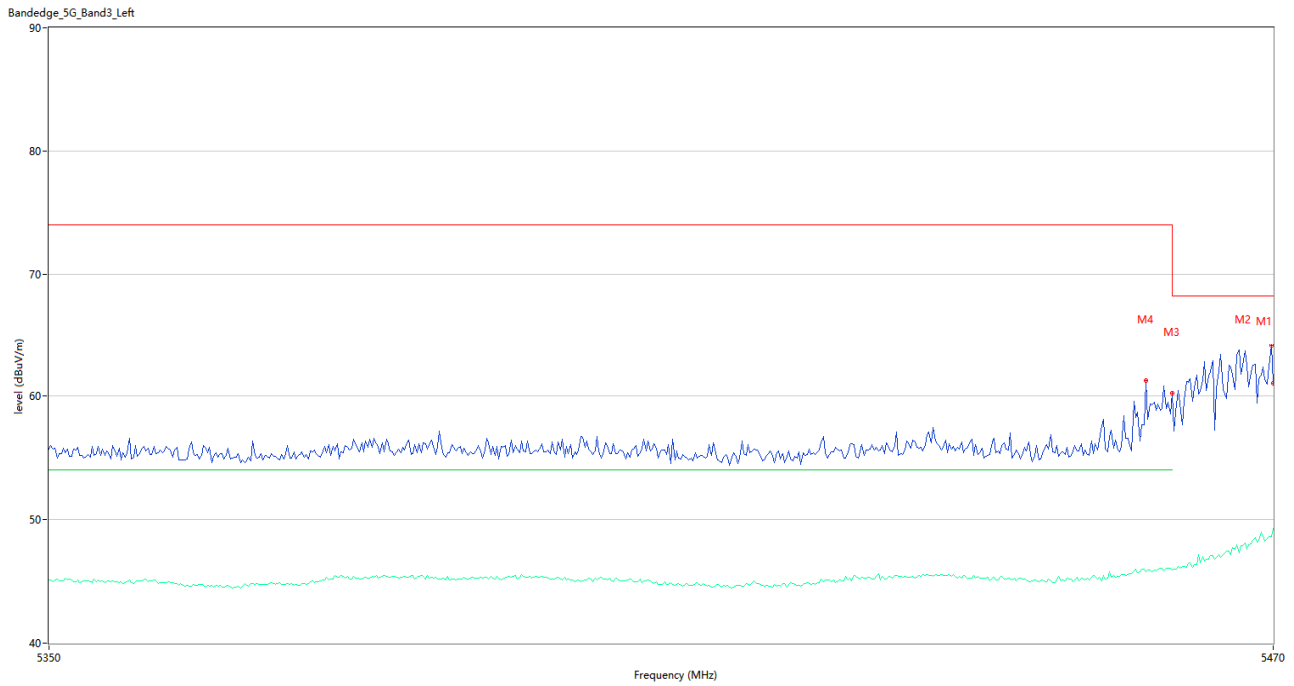
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	55.31	2.52	74.0	-18.69	Peak	10.00	150	Horizontal	Pass
1**	5460.000	45.09	2.52	54.0	-8.91	AV	10.00	150	Horizontal	Pass
2	5470.000	55.41	2.52	68.2	-12.79	Peak	11.00	150	Horizontal	Pass
2**	5470.000	45.30	2.52	--	45.30	AV	11.00	150	Horizontal	N/A
3	5469.400	56.37	2.48	68.2	-11.83	Peak	8.00	150	Horizontal	Pass
3**	5469.400	45.30	2.48	--	45.30	AV	8.00	150	Horizontal	N/A
4	5439.400	57.20	2.77	74.0	-16.80	Peak	11.00	150	Horizontal	Pass
4**	5439.400	45.15	2.77	54.0	-8.85	AV	11.00	150	Horizontal	Pass

U-NII-2C 11n20 CH140



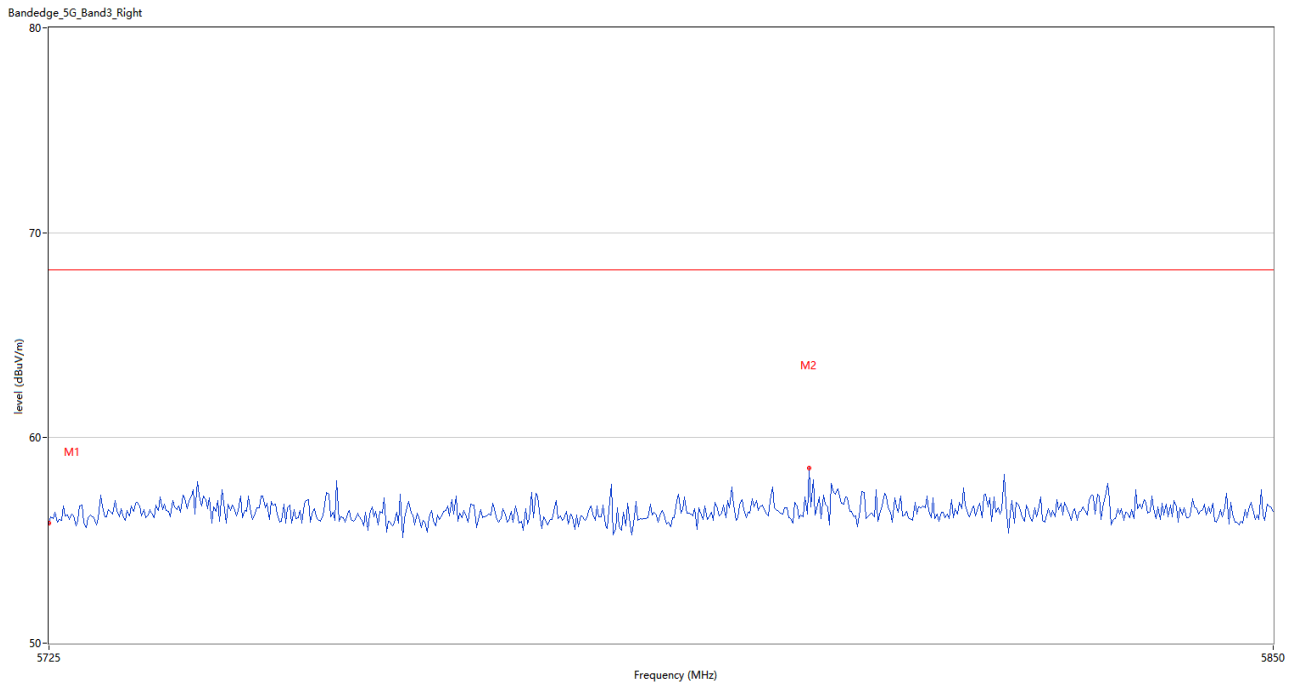
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	56.15	3.12	68.2	-12.05	Peak	6.00	150	Horizontal	Pass
2	5820.417	57.76	3.61	68.2	-10.44	Peak	9.00	150	Horizontal	Pass

U-NII-2C 11n40 CH102



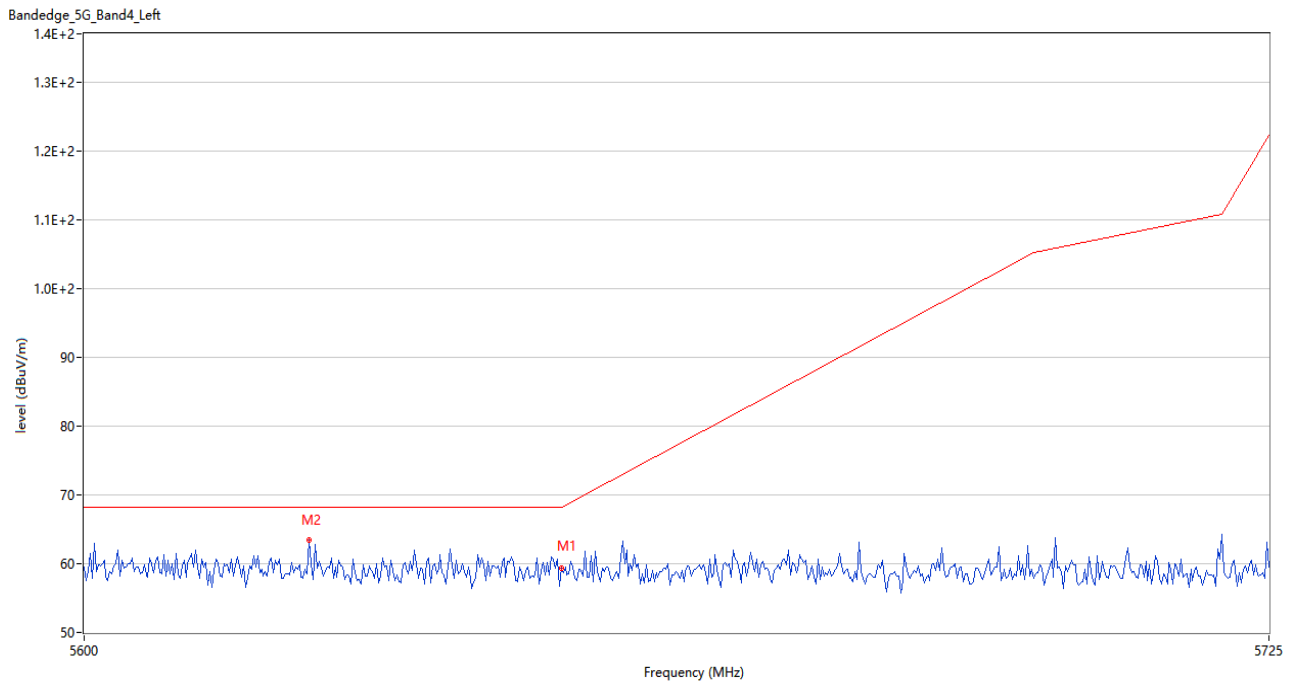
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	61.02	2.52	68.2	-7.18	Peak	147.00	150	Horizontal	Pass
1**	5470.000	49.31	2.52	--	49.31	AV	147.00	150	Horizontal	N/A
2	5469.800	64.09	2.49	68.2	-4.11	Peak	155.00	150	Horizontal	Pass
2**	5469.800	48.65	2.49	--	48.65	AV	155.00	150	Horizontal	N/A
3	5460.000	60.28	2.52	74.0	-13.72	Peak	155.00	150	Horizontal	Pass
3**	5460.000	45.91	2.52	54.0	-8.09	AV	155.00	150	Horizontal	Pass
4	5457.400	61.30	2.77	74.0	-12.70	Peak	157.00	150	Horizontal	Pass
4**	5457.400	45.79	2.77	54.0	-8.21	AV	157.00	150	Horizontal	Pass

U-NII-2C 11n40 CH134



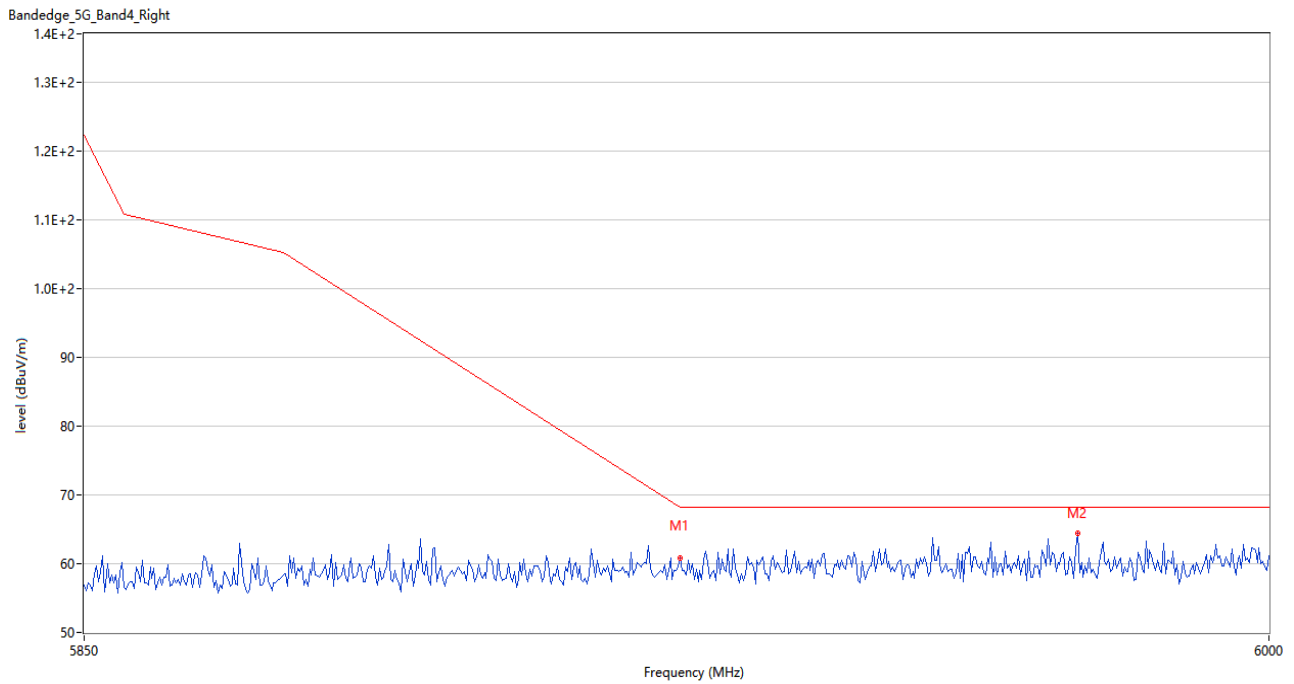
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.83	3.12	68.2	-12.37	Peak	82.00	150	Horizontal	Pass
2	5802.292	58.52	3.43	68.2	-9.68	Peak	243.00	150	Horizontal	Pass

U-NII-3 11a CH149



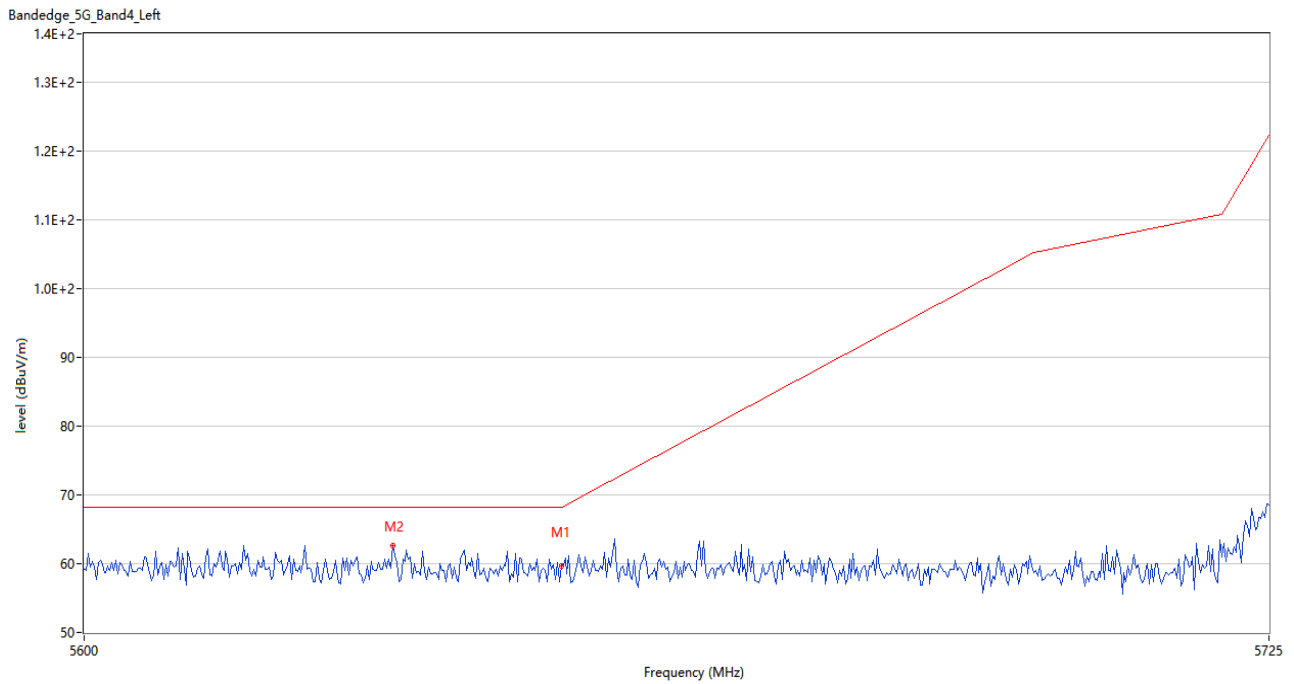
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	59.28	39.96	68.2	-8.92	Peak	2.00	150	Horizontal	Pass
2	5623.541	63.46	40.00	68.2	-4.74	Peak	15.00	150	Horizontal	Pass

U-NII-3 11a CH165



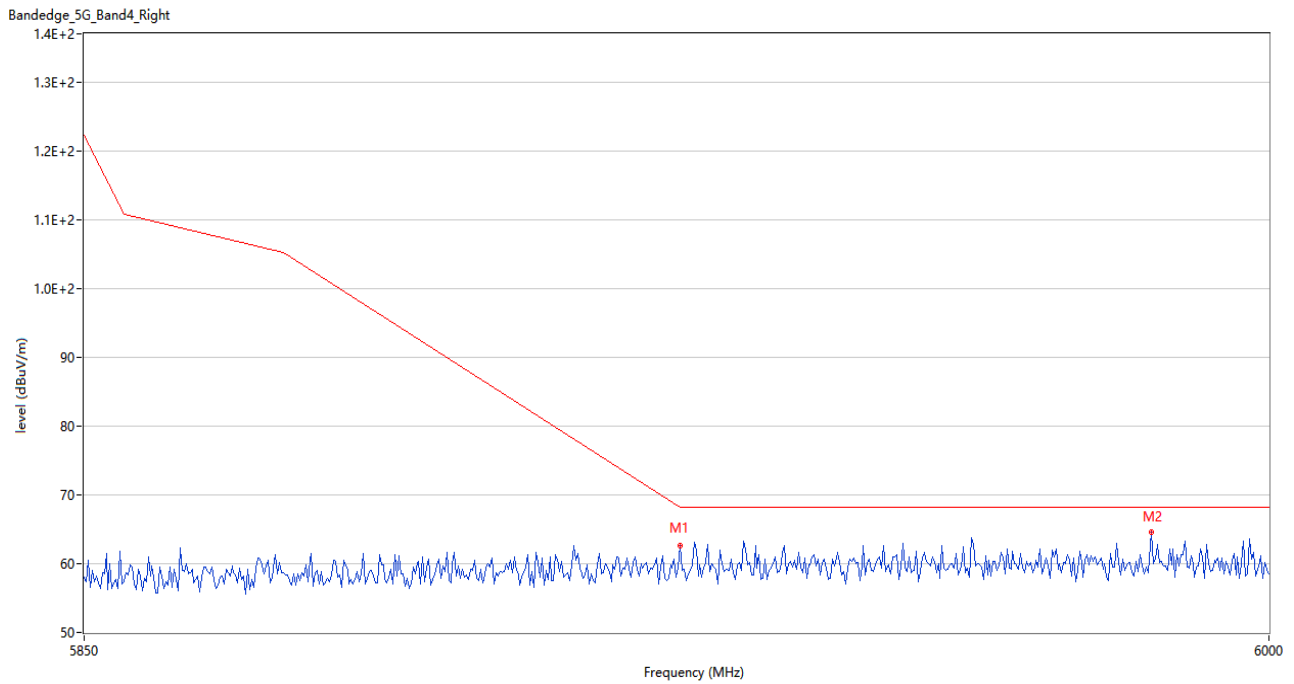
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	60.87	40.28	68.2	-7.33	Peak	8.00	150	Horizontal	Pass
2	5975.500	64.34	40.18	68.2	-3.86	Peak	9.00	150	Horizontal	Pass

U-NII-3 11n20 CH149



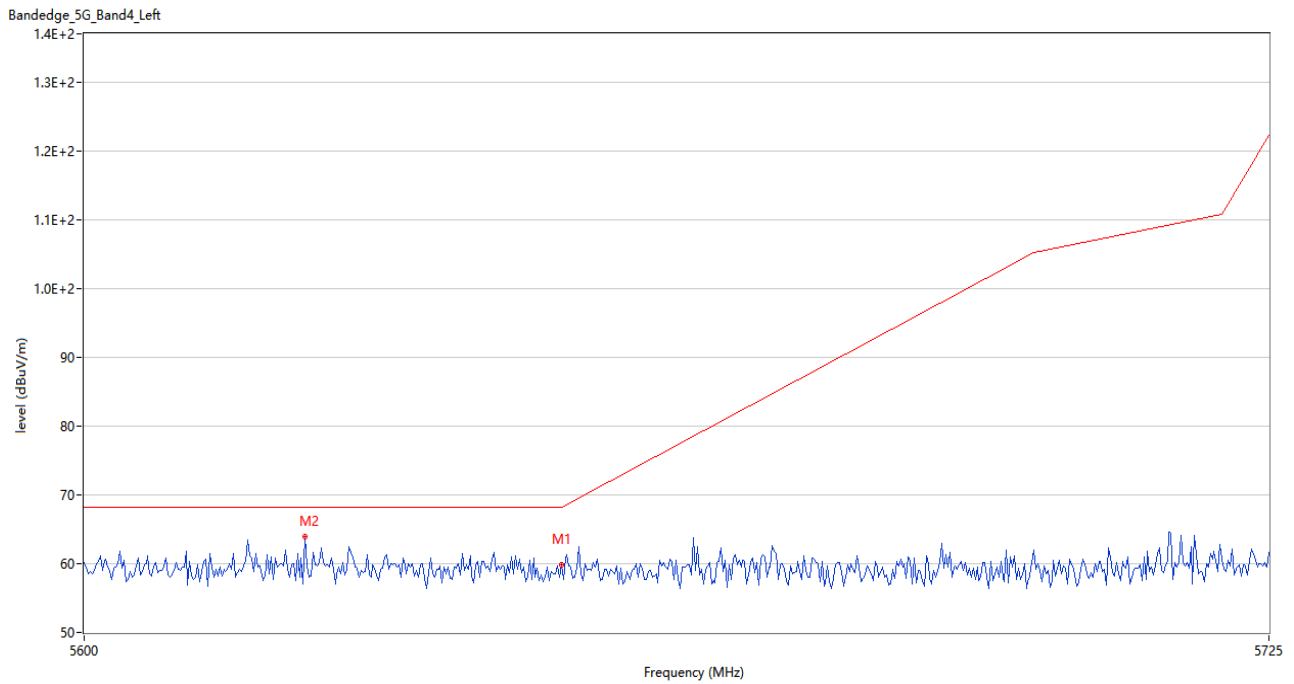
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	59.59	39.96	68.2	-8.61	Peak	5.00	150	Horizontal	Pass
2	5632.291	62.64	39.94	68.2	-5.56	Peak	3.00	150	Horizontal	Pass

U-NII-3 11n20 CH165



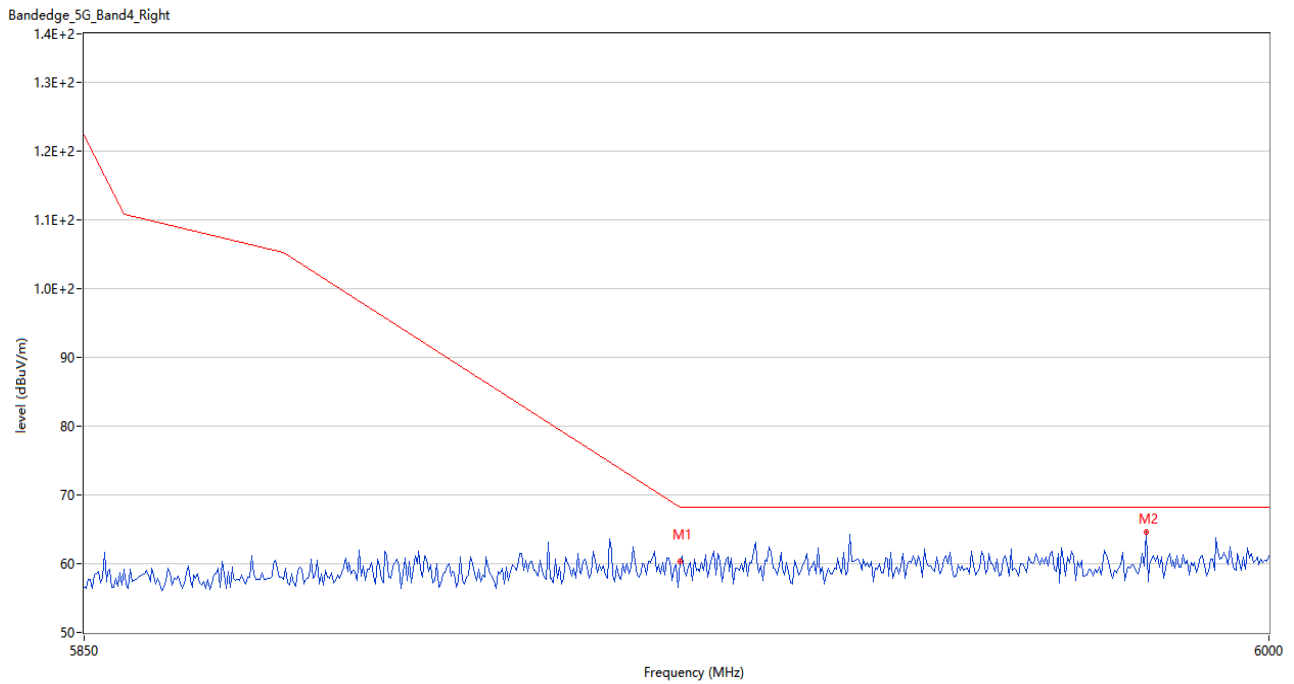
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	62.67	40.28	68.2	-5.53	Peak	1.00	150	Horizontal	Pass
2	5985.000	64.52	40.14	68.2	-3.68	Peak	10.00	150	Horizontal	Pass

U-NII-3 11n40 CH151



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	59.75	39.96	68.2	-8.45	Peak	8.00	150	Horizontal	Pass
2	5623.125	63.92	40.00	68.2	-4.28	Peak	15.00	150	Horizontal	Pass

U-NII-3 11n40 CH159



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	60.33	40.28	68.2	-7.87	Peak	14.00	150	Horizontal	Pass
2	5984.250	64.60	40.14	68.2	-3.60	Peak	4.00	150	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document "BL-SZ20C0502-AR.PDF".

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document "BL-SZ20C0502-AW.PDF".

ANNEX D EUT INTERNAL PHOTOS

Please refer the document "BL-SZ20C0502-AI.PDF".

--END OF REPORT--