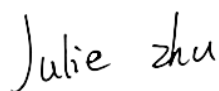
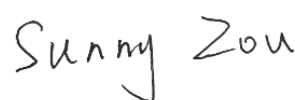


TEST REPORT

Applicant: Queclink Wireless Solutions Co., Ltd.
Address: No.30, Lane 500, Xinlong Road, Minhang District, Shanghai, China
Equipment Type: Intelligent 4G Dash Camera with Full Featured Telematics
Model Name: CV200XEU
Brand Name: QUECLINK
FCC ID: YQD-CV200XEU
Test Standard: 47 CFR Part 15 Subpart E (refer to section 3.1)
Sample Arrival Date: Aug. 29, 2024
Test Date: Sep. 06, 2024 - Sep. 13, 2024
Date of Issue: Nov. 01, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Julie Zhu**Checked by:** Ye Hongji**Approved by:** Sunny Zou
(Technical Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Nov. 01, 2024</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☒ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Queclink Wireless Solutions Co., Ltd.
Address	No.30, Lane 500, Xinlong Road, Minhang District, Shanghai, China

2.2 Manufacturer Information

Manufacturer	Queclink Wireless Solutions Co., Ltd.
Address	No.30, Lane 500, Xinlong Road, Minhang District, Shanghai, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Intelligent 4G Dash Camera with Full Featured Telematics
Model Name Under Test	CV200XEU
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	4G Network FDD LTE Band 2/4/5/7 Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n and 802.11ac GPS, GLONASS, BDS
-----------------------------------	--

The requirement for the following technical information of the EUT was tested in this report:

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
Product Type	☒ Mobile ☐ Portable ☐ Fix Location
Modulation technology	OFDM
Modulation Type	256QAM, 64QAM, 16QAM, BPSK, QPSK
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps 802.11ac: up to VHT-MCS9
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz, 80 MHz
Maximum Output Power	U-NII-1: 15.17 mW U-NII-2A: 15.30 mW U-NII-2C: 15.34 mW U-NII-3: 14.73 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	FPC Antenna
Antenna Gain	2.6 dBi
About the Product	The equipment is Intelligent 4G Dash Camera with Full Featured Telematics, intended for used with information technology equipment.

2.5 Channel List

20 MHz		40 MHz		80 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230	58	5290
44	5220	54	5270	106	5530
48	5240	62	5310	122	5610
52	5260	102	5510	155	5775
56	5280	110	5550		
60	5300	118	5590		
64	5320	126	5630		
100	5500	134	5670		
104	5520	151	5755		
108	5540	159	5795		
112	5560				
116	5580				
120	5600				
124	5620				
128	5640				
132	5660				
136	5680				
140	5700				
149	5745				
153	5765				
157	5785				
161	5805				
165	5825				

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

For 802.11a/n(HT20)/ac(VHT20)

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

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

For 802.11n(HT40)/ac(VHT40)

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

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

For 802.11ac(VHT80)

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

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

Note: Preliminary tests were performed in different data rate in above table to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items	Mode	Data Rate	Modulation Type	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
				Channel	Channel	Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
6 dB bandwidth	11a	6	BPSK	N/A	N/A	N/A	165/157/149
	11n(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11n(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11ac(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(80 MHz)	29.3		N/A	N/A	N/A	155
Power Spectral Density	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
Band Edge (Restricted-band)	11a	6	BPSK	48/36	64/52	140/100	165/149
	11n(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11n(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11ac(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E	Unlicensed National Information Infrastructure Devices
2	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

3.2 Test Verdict

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

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

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

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	51% to 59%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+21.9℃ to +24.8℃
Working Voltage of the EUT	NV (Normal Voltage)	12 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY50330200	2024.05.08	2025.05.07
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2023.12.27	2024.12.26
Spectrum Analyzer	KEYSIGHT	N9020A	MY50531259	2024.08.01	2025.07.31
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	2460	2024.05.16	2027.05.15
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Anechoic Chamber	RAINFORD	9m*6m*6m	140	2024.07.28	2026.07.27
Amplifier	COM-MV	LSCX_LNA1-12G-01	7210214	2024.08.01	2025.07.31
Amplifier	COM-MV	XKu_LNA7-18G-01	7210209	2024.08.01	2025.07.31
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2023.12.06	2024.12.05
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2024.08.01	2025.07.31
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.04.15	2027.04.14
Amplifier	COM-MV	ZT30-1000M	B2018054558	2023.12.05	2024.12.04
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2024.07.13	2027.07.12
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2024.08.01	2025.07.31
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	9163-624	2024.07.06	2026.07.05
Amplifier	COM-MV	ZT30-1000M	B2017119082	2023.12.05	2024.12.04
Anechoic Chamber	RAINFORD	9m*6m*6m	101	2023.03.04	2026.03.03
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2024.08.01	2025.07.31
LISN	SCHWARZBECK	NSLK 8127	8127-687	2024.05.08	2025.05.07
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2022.02.19	2025.02.18

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

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

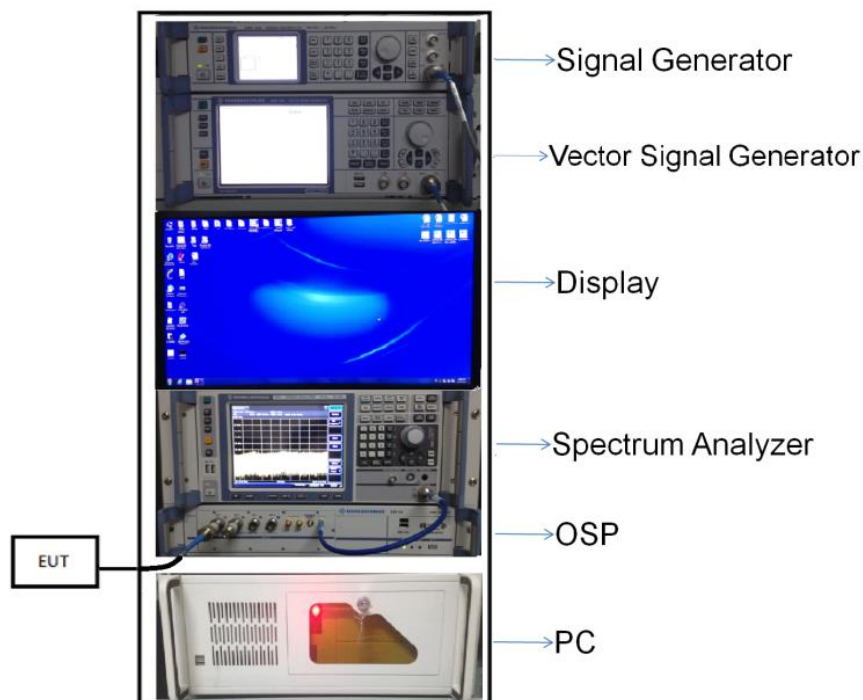
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

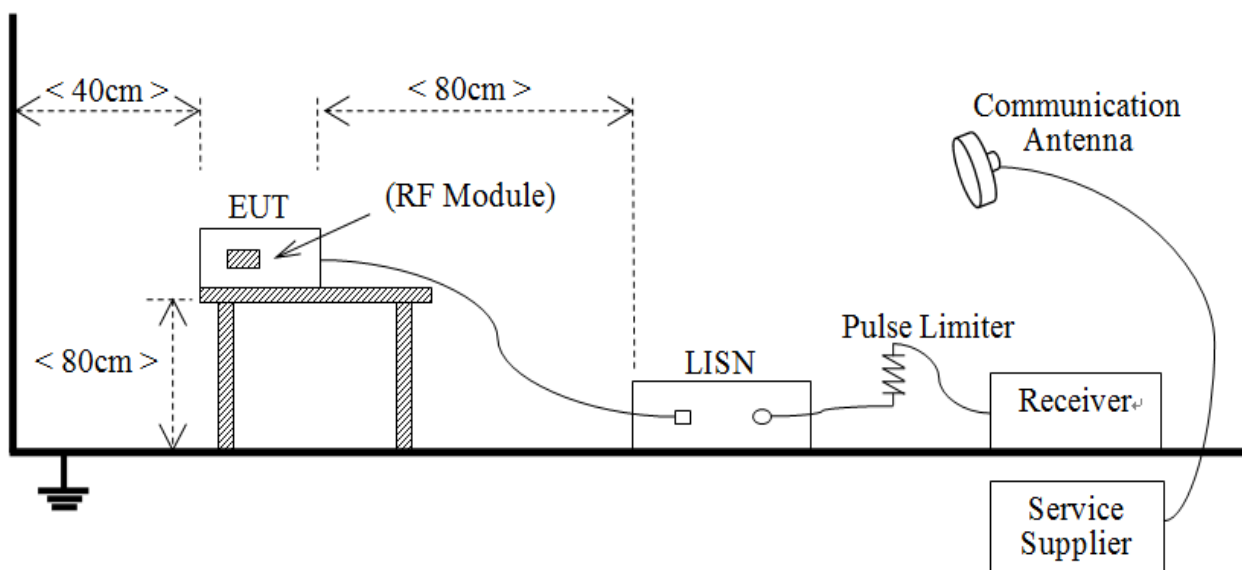
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



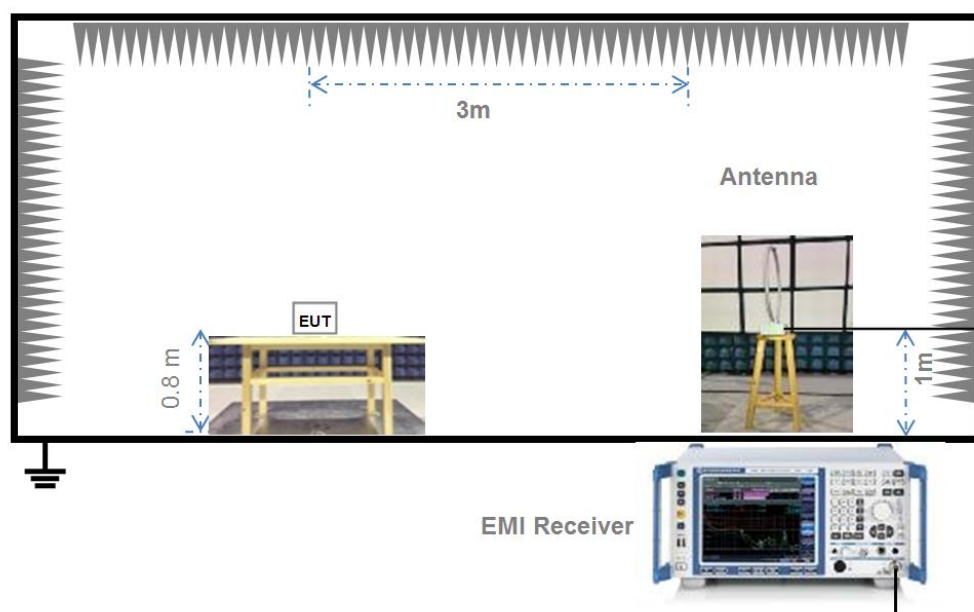
(Diagram 1)

4.5.2 For AC Power Supply Port Test



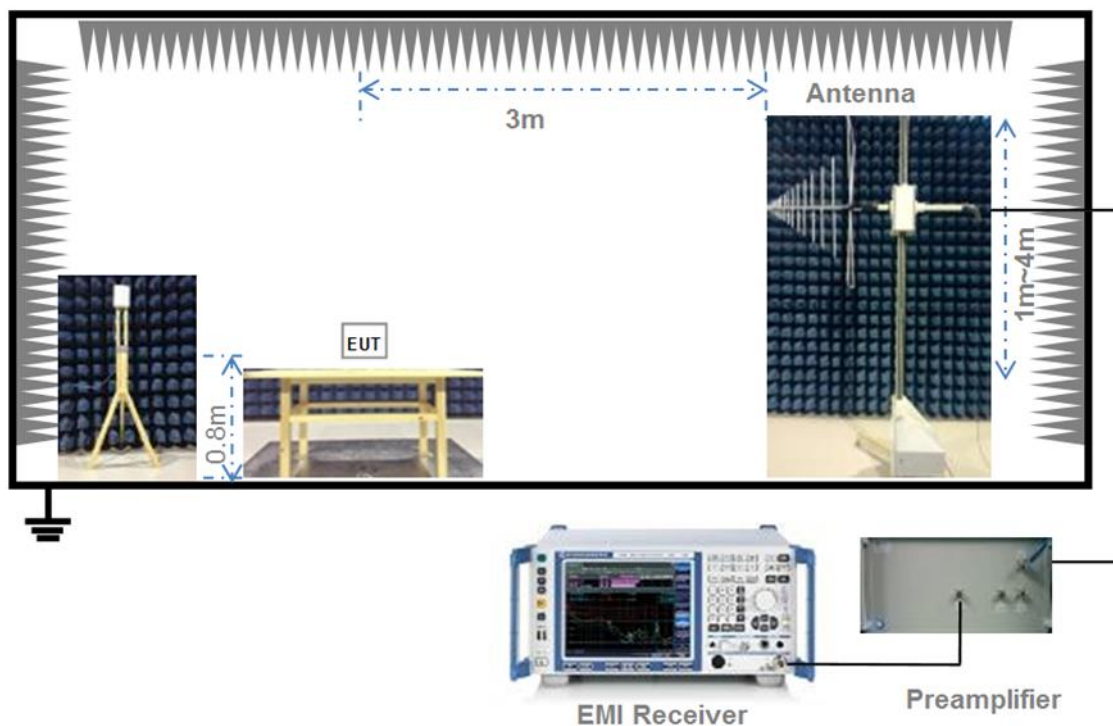
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



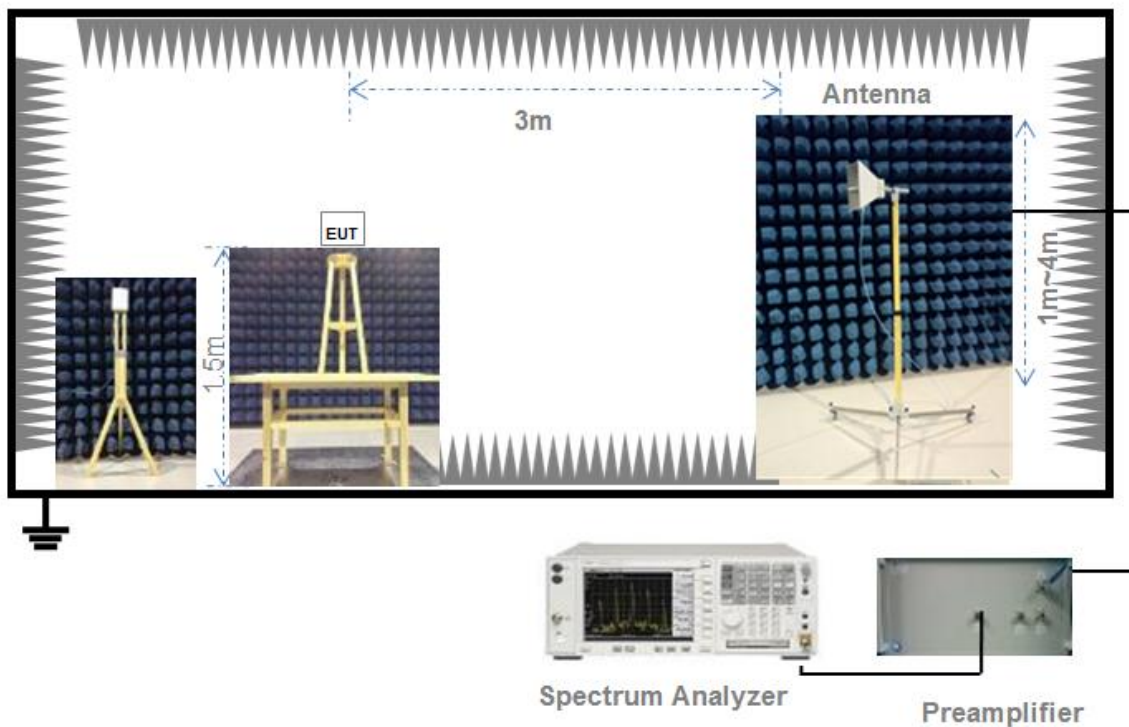
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

5.1.2 Test Setup

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

5.1.3 Test Procedure

Maximum conducted (average) output power

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

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

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

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

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

Measurements of duty cycle

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

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

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

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

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

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

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

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

Occupied Bandwidth

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

6 dB bandwidth

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

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

1. Set RBW = 510 kHz/1 MHz, VBW $\geq 3 \times$ RBW, Sweep time = Auto, Detector = RMS.
2. Allow the sweeps to continue until the trace stabilizes.
3. Use the peak marker function to determine the maximum amplitude level.
4. The E.I.R.P spectral density used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 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

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

5.5.1 Limit

FCC §15.209 & 15.407(b)

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

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

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

5.5.2 Test Setup

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

5.5.3 Test Procedure

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

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

General Procedure for conducted measurements in restricted bands

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

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

where:

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

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

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

f) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

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

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

Peak power measurement procedure

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

a) RBW = as specified in Table 1.

b) VBW $\geq 3 \times$ RBW.

c) Detector = Peak.

d) Sweep time = auto.

e) Trace mode = max hold.

f) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be longer for low duty cycle applications).

Table 1—RBW as a function of frequency

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

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

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

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

- a) The EUT shall be configured to operate at the maximum achievable duty cycle.
- b) Measure the duty cycle, x , of the transmitter output signal as described in section 6.0.
- c) RBW = 1 MHz (unless otherwise specified).
- d) VBW $\geq 3 \times$ RBW.
- e) Detector = RMS, if $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
- f) Averaging type = power (i.e., RMS).
 - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
 - 2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
- g) Sweep time = auto.
- h) Perform a trace average of at least 100 traces.
- i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:
 - 1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is $10 \log(1/x)$, where x is the duty cycle.
 - 2) If linear voltage averaging mode was used in step f), then the applicable correction factor is $20 \log(1/x)$, where x is the duty cycle.
 - 3) If a specific emission is demonstrated to be continuous (≥ 98 percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

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

Determining the applicable transmit antenna gain

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

Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that

is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

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

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	1.36	1.56	87.32%	0.59
11n(HT20)	1.28	1.47	86.64%	0.62
11n(HT40)	0.63	0.83	76.06%	1.19
11ac(VHT20)	0.98	1.18	82.95%	0.81
11ac(VHT40)	0.49	0.69	70.99%	1.49
11ac(VHT80)	0.25	0.45	55.25%	2.58

Test DataConducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	11.81	15.17	250	Pass
11a	CH44	11.53	14.22	250	Pass
11a	CH48	11.76	14.99	250	Pass
11n(HT20)	CH36	11.78	15.08	250	Pass
11n(HT20)	CH44	11.77	15.04	250	Pass
11n(HT20)	CH48	11.56	14.33	250	Pass
11n(HT40)	CH38	11.33	13.58	250	Pass
11n(HT40)	CH46	11.65	14.62	250	Pass
11ac(VHT20)	CH36	11.23	13.28	250	Pass
11ac(VHT20)	CH44	11.20	13.19	250	Pass
11ac(VHT20)	CH48	11.34	13.62	250	Pass
11ac(VHT40)	CH38	11.35	13.64	250	Pass
11ac(VHT40)	CH46	11.72	14.85	250	Pass
11ac(VHT80)	CH42	11.38	13.73	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	11.49	14.09	250	Pass
11a	CH60	11.32	13.55	250	Pass
11a	CH64	10.17	10.40	250	Pass
11n(HT20)	CH52	11.31	13.53	250	Pass
11n(HT20)	CH60	11.19	13.16	250	Pass
11n(HT20)	CH64	9.79	9.53	250	Pass
11n(HT40)	CH54	11.66	14.65	250	Pass
11n(HT40)	CH62	11.00	12.58	250	Pass
11ac(VHT20)	CH52	11.39	13.78	250	Pass
11ac(VHT20)	CH60	11.20	13.19	250	Pass
11ac(VHT20)	CH64	10.37	10.89	250	Pass
11ac(VHT40)	CH54	11.85	15.30	250	Pass
11ac(VHT40)	CH62	11.59	14.41	250	Pass
11ac(VHT80)	CH58	11.41	13.83	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	10.89	12.27	250	Pass
11a	CH116	11.58	14.38	250	Pass
11a	CH140	8.06	6.40	250	Pass
11n(HT20)	CH100	11.25	13.34	250	Pass
11n(HT20)	CH116	11.58	14.40	250	Pass
11n(HT20)	CH140	10.67	11.68	250	Pass
11n(HT40)	CH102	11.28	13.42	250	Pass
11n(HT40)	CH118	11.54	14.25	250	Pass
11n(HT40)	CH134	11.61	14.48	250	Pass
11ac(VHT20)	CH100	11.34	13.62	250	Pass
11ac(VHT20)	CH116	11.55	14.29	250	Pass
11ac(VHT20)	CH140	10.85	12.17	250	Pass
11ac(VHT40)	CH102	11.56	14.31	250	Pass
11ac(VHT40)	CH118	11.83	15.23	250	Pass
11ac(VHT40)	CH134	11.86	15.34	250	Pass
11ac(VHT80)	CH106	11.48	14.05	250	Pass
11ac(VHT80)	CH122	11.67	14.68	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	11.42	13.86	1000	Pass
11a	CH157	11.43	13.90	1000	Pass
11a	CH165	11.30	13.49	1000	Pass
11n(HT20)	CH149	11.40	13.81	1000	Pass
11n(HT20)	CH157	11.44	13.94	1000	Pass
11n(HT20)	CH165	9.33	8.58	1000	Pass
11n(HT40)	CH151	11.53	14.22	1000	Pass
11n(HT40)	CH159	11.58	14.38	1000	Pass
11ac(VHT20)	CH149	11.29	13.46	1000	Pass
11ac(VHT20)	CH157	11.34	13.62	1000	Pass
11ac(VHT20)	CH165	11.68	14.73	1000	Pass
11ac(VHT40)	CH151	11.53	14.22	1000	Pass
11ac(VHT40)	CH159	11.60	14.45	1000	Pass
11ac(VHT80)	CH155	11.51	14.15	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2480538-604 Data Part 1.pdf".

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	22.83	16.87
11a	CH44	28.94	17.04
11a	CH48	37.12	17.24
11n(HT20)	CH36	22.75	17.92
11n(HT20)	CH44	29.06	18.02
11n(HT20)	CH48	35.29	18.17
11n(HT40)	CH38	44.15	36.20
11n(HT40)	CH46	53.11	36.37
11ac(VHT20)	CH36	21.74	17.85
11ac(VHT20)	CH44	22.41	17.91
11ac(VHT20)	CH48	26.62	17.99
11ac(VHT40)	CH38	42.66	36.23
11ac(VHT40)	CH46	42.67	36.25
11ac(VHT80)	CH42	83.46	74.73

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	36.22	17.69
11a	CH60	38.36	18.52
11a	CH64	26.27	17.03
11n(HT20)	CH52	38.26	18.53
11n(HT20)	CH60	39.14	19.03
11n(HT20)	CH64	26.64	17.98
11n(HT40)	CH54	78.38	37.35
11n(HT40)	CH62	79.79	37.02
11ac(VHT20)	CH52	33.06	18.26
11ac(VHT20)	CH60	36.39	18.73
11ac(VHT20)	CH64	33.13	18.26
11ac(VHT40)	CH54	42.69	36.23
11ac(VHT40)	CH62	42.69	36.22
11ac(VHT80)	CH58	83.90	74.78

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	24.12	16.89
11a	CH116	26.26	16.98
11a	CH140	22.66	16.89
11n(HT20)	CH100	29.45	18.00
11n(HT20)	CH116	31.27	18.17
11n(HT20)	CH140	32.66	18.21
11n(HT40)	CH102	78.95	37.54
11n(HT40)	CH118	70.22	36.55
11n(HT40)	CH134	77.56	37.48
11ac(VHT20)	CH100	22.81	17.94
11ac(VHT20)	CH116	22.29	17.92
11ac(VHT20)	CH140	36.42	18.95
11ac(VHT40)	CH102	43.10	36.29
11ac(VHT40)	CH118	48.03	36.36
11ac(VHT40)	CH134	61.92	36.62
11ac(VHT80)	CH106	88.77	74.89
11ac(VHT80)	CH122	86.14	74.81

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	33.34	17.62
11a	CH157	37.54	18.81
11a	CH165	37.49	18.47
11n(HT20)	CH149	36.96	18.49
11n(HT20)	CH157	38.02	18.84
11n(HT20)	CH165	32.83	18.20
11n(HT40)	CH151	77.01	37.13
11n(HT40)	CH159	80.00	38.28
11ac(VHT20)	CH149	33.33	18.38
11ac(VHT20)	CH157	35.34	18.52
11ac(VHT20)	CH165	37.21	19.38
11ac(VHT40)	CH151	70.85	37.12
11ac(VHT40)	CH159	74.83	38.02
11ac(VHT80)	CH155	130.90	76.21

A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2480538-604 Data Part 2.pdf".

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.60	500.00	Pass
11a	CH157	16.60	500.00	Pass
11a	CH165	16.60	500.00	Pass
11n(HT20)	CH149	17.80	500.00	Pass
11n(HT20)	CH157	17.80	500.00	Pass
11n(HT20)	CH165	17.80	500.00	Pass
11n(HT40)	CH151	35.40	500.00	Pass
11n(HT40)	CH159	35.50	500.00	Pass
11ac(VHT20)	CH149	17.80	500.00	Pass
11ac(VHT20)	CH157	17.80	500.00	Pass
11ac(VHT20)	CH165	17.80	500.00	Pass
11ac(VHT40)	CH151	35.40	500.00	Pass
11ac(VHT40)	CH159	35.40	500.00	Pass
11ac(VHT80)	CH155	72.70	500.00	Pass

A.4 Power Spectral Density

Note: Test plots please refer to the document “Annex No.: BL-SZ2480538-604 Data Part 3.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	-0.27	11.00	Pass
11a	CH44	-0.99	11.00	Pass
11a	CH48	-0.53	11.00	Pass
11n(HT20)	CH36	-2.06	11.00	Pass
11n(HT20)	CH44	-1.28	11.00	Pass
11n(HT20)	CH48	-0.68	11.00	Pass
11n(HT40)	CH38	-5.66	11.00	Pass
11n(HT40)	CH46	-4.18	11.00	Pass
11ac(VHT20)	CH36	-2.81	11.00	Pass
11ac(VHT20)	CH44	-2.04	11.00	Pass
11ac(VHT20)	CH48	-1.38	11.00	Pass
11ac(VHT40)	CH38	-6.13	11.00	Pass
11ac(VHT40)	CH46	-6.94	11.00	Pass
11ac(VHT80)	CH42	-11.32	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	0.08	11.00	Pass
11a	CH60	0.81	11.00	Pass
11a	CH64	-1.96	11.00	Pass
11n(HT20)	CH52	-0.17	11.00	Pass
11n(HT20)	CH60	0.02	11.00	Pass
11n(HT20)	CH64	-2.60	11.00	Pass
11n(HT40)	CH54	-3.02	11.00	Pass
11n(HT40)	CH62	-3.40	11.00	Pass
11ac(VHT20)	CH52	-0.33	11.00	Pass
11ac(VHT20)	CH60	-0.06	11.00	Pass
11ac(VHT20)	CH64	-0.51	11.00	Pass
11ac(VHT40)	CH54	-7.85	11.00	Pass
11ac(VHT40)	CH62	-8.60	11.00	Pass
11ac(VHT80)	CH58	-11.79	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	-1.12	11.00	Pass
11a	CH116	0.68	11.00	Pass
11a	CH140	-4.09	11.00	Pass
11n(HT20)	CH100	-0.47	11.00	Pass
11n(HT20)	CH116	1.63	11.00	Pass
11n(HT20)	CH140	-1.64	11.00	Pass
11n(HT40)	CH102	-1.21	11.00	Pass
11n(HT40)	CH118	-1.58	11.00	Pass
11n(HT40)	CH134	-2.82	11.00	Pass
11ac(VHT20)	CH100	-0.72	11.00	Pass
11ac(VHT20)	CH116	0.00	11.00	Pass
11ac(VHT20)	CH140	0.37	11.00	Pass
11ac(VHT40)	CH102	-4.08	11.00	Pass
11ac(VHT40)	CH118	-2.99	11.00	Pass
11ac(VHT40)	CH134	-4.16	11.00	Pass
11ac(VHT80)	CH106	-7.37	11.00	Pass
11ac(VHT80)	CH122	-6.90	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-2.69	30.00	Pass
11a	CH157	-3.14	30.00	Pass
11a	CH165	-3.49	30.00	Pass
11n(HT20)	CH149	-2.98	30.00	Pass
11n(HT20)	CH157	-3.25	30.00	Pass
11n(HT20)	CH165	-6.23	30.00	Pass
11n(HT40)	CH151	-5.71	30.00	Pass
11n(HT40)	CH159	-6.43	30.00	Pass
11ac(VHT20)	CH149	-2.98	30.00	Pass
11ac(VHT20)	CH157	-3.73	30.00	Pass
11ac(VHT20)	CH165	-3.93	30.00	Pass
11ac(VHT40)	CH151	-6.15	30.00	Pass
11ac(VHT40)	CH159	-6.64	30.00	Pass
11ac(VHT80)	CH155	-10.18	30.00	Pass

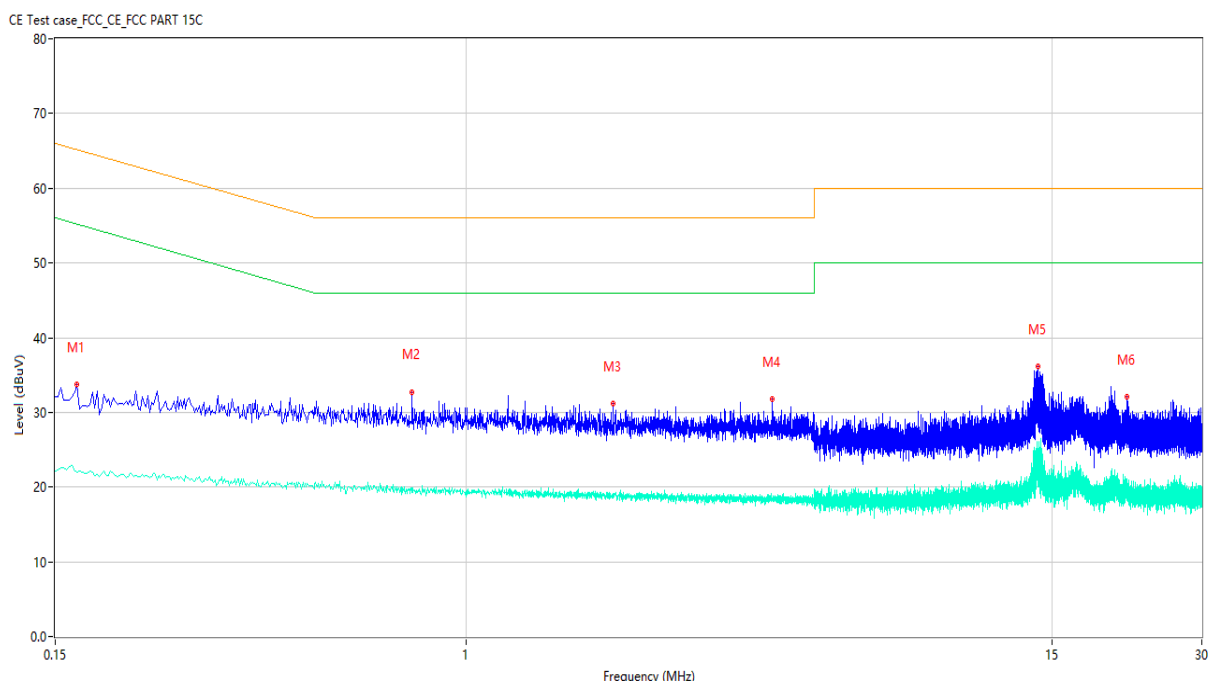
A.5 Conducted Emissions

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

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

Test Data and Plots

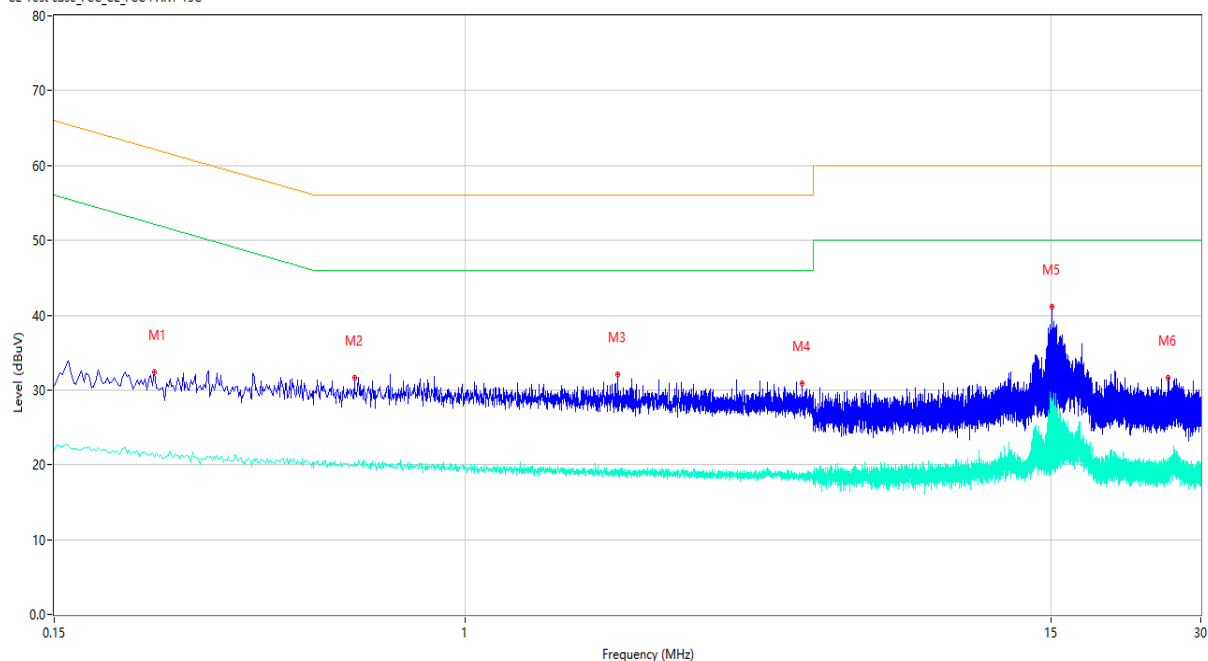
PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.166	33.69	9.75	65.16	31.47	Peak	L	Pass
1**	0.166	22.06	9.75	55.16	33.10	AV	L	Pass
2	0.780	32.71	9.72	56.00	23.29	Peak	L	Pass
2**	0.780	19.84	9.72	46.00	26.16	AV	L	Pass
3	1.974	31.21	9.68	56.00	24.79	Peak	L	Pass
3**	1.974	18.89	9.68	46.00	27.11	AV	L	Pass
4	4.114	31.80	9.66	56.00	24.20	Peak	L	Pass
4**	4.114	18.36	9.66	46.00	27.64	AV	L	Pass
5	14.056	36.09	9.30	60.00	23.91	Peak	L	Pass
5**	14.056	24.62	9.30	50.00	25.38	AV	L	Pass
6	21.188	32.05	8.91	60.00	27.95	Peak	L	Pass
6**	21.188	20.89	8.91	50.00	29.11	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.238	32.44	9.76	62.17	29.73	Peak	N	Pass
1**	0.238	21.11	9.76	52.17	31.06	AV	N	Pass
2	0.600	31.65	9.84	56.00	24.35	Peak	N	Pass
2**	0.600	20.27	9.84	46.00	25.73	AV	N	Pass
3	2.030	32.15	9.86	56.00	23.85	Peak	N	Pass
3**	2.030	19.06	9.86	46.00	26.94	AV	N	Pass
4	4.748	30.96	9.82	56.00	25.04	Peak	N	Pass
4**	4.748	18.58	9.82	46.00	27.42	AV	N	Pass
5	15.056	41.08	9.51	60.00	18.92	Peak	N	Pass
5**	15.056	27.48	9.51	50.00	22.52	AV	N	Pass
6	25.788	31.67	8.94	60.00	28.33	Peak	N	Pass
6**	25.788	20.34	8.94	50.00	29.66	AV	N	Pass

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

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

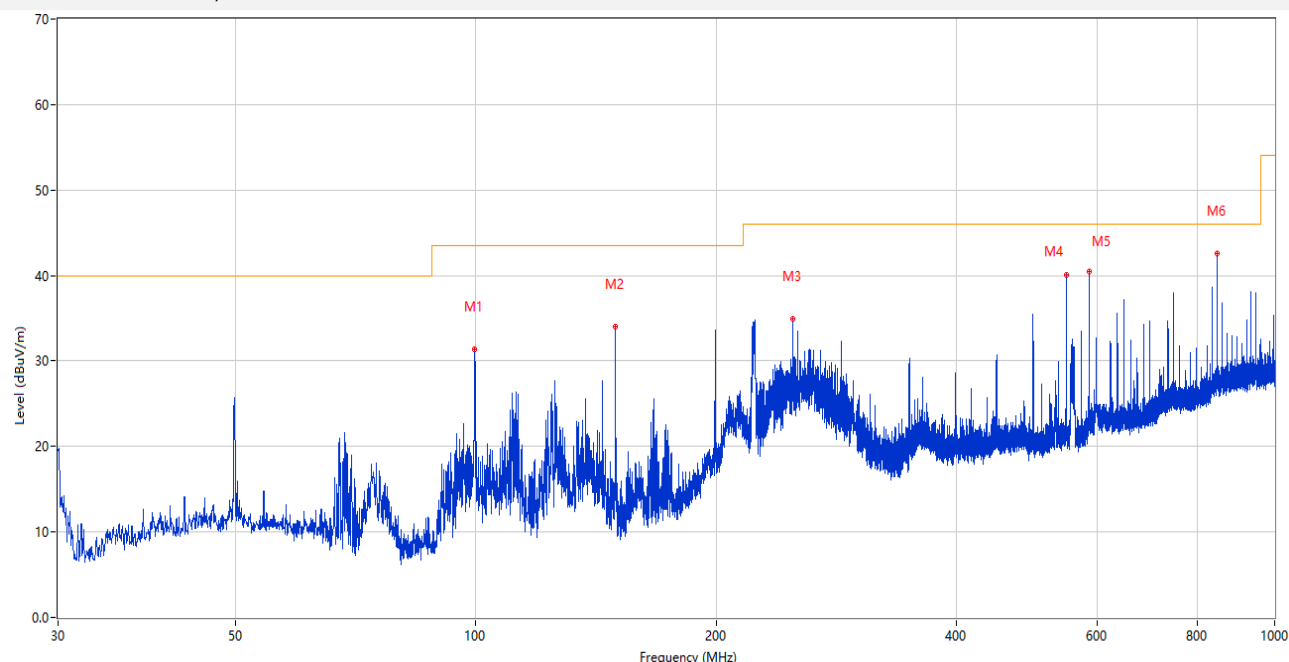
Note ²: For the test data above 1 GHz, According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

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

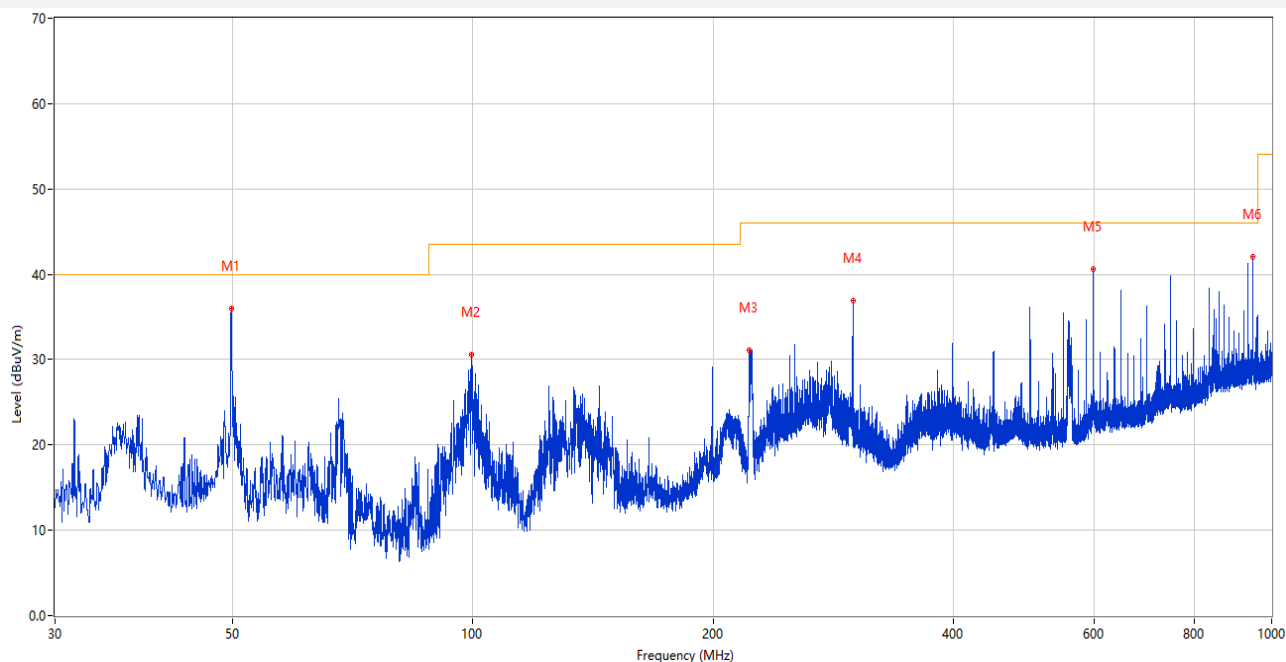
Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	99.695	31.42	-26.12	43.5	12.08	Peak	283.00	200	Horizontal	Pass
2	149.553	33.96	-29.59	43.5	9.54	Peak	253.00	200	Horizontal	Pass
3	249.220	34.90	-24.08	46.0	11.10	Peak	99.00	100	Horizontal	Pass
4	548.417	40.03	-16.95	46.0	5.97	Peak	209.00	100	Horizontal	Pass
5	585.810	40.43	-15.64	46.0	5.57	Peak	289.00	100	Horizontal	Pass
6	847.322	42.62	-10.51	46.0	3.38	Peak	276.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	49.837	36.03	-24.52	40.0	3.97	Peak	255.00	100	Vertical	Pass
2	99.695	30.62	-26.12	43.5	12.88	Peak	249.00	100	Vertical	Pass
3	221.915	31.16	-25.64	46.0	14.84	Peak	191.00	200	Vertical	Pass
4	299.078	36.94	-23.21	46.0	9.06	Peak	351.00	100	Vertical	Pass
5	598.081	40.56	-14.98	46.0	5.44	Peak	273.00	100	Vertical	Pass
6	947.038	42.11	-9.11	46.0	3.89	Peak	189.00	100	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, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1065.500	42.97	-15.57	74.0	31.03	Peak	118.00	150	Horizontal	Pass
1**	1065.500	29.99	-15.57	54.0	24.01	AV	118.00	150	Horizontal	Pass
2	1593.000	42.84	-15.38	74.0	31.16	Peak	248.00	150	Horizontal	Pass
2**	1593.000	29.24	-15.38	54.0	24.76	AV	248.00	150	Horizontal	Pass
3	4112.000	47.71	-2.97	74.0	26.29	Peak	360.00	150	Horizontal	Pass
3**	4112.000	36.88	-2.97	54.0	17.12	AV	360.00	150	Horizontal	Pass
4	5226.000	105.82	-0.76	--	-76.82	Peak	29.00	150	Horizontal	N/A
4**	5226.000	98.12	-0.76	--	-98.12	AV	29.00	150	Horizontal	N/A
5	7631.000	56.68	2.99	74.0	17.32	Peak	150.00	150	Horizontal	Pass
5**	7631.000	45.12	2.99	54.0	8.88	AV	150.00	150	Horizontal	Pass
6	12651.201	51.06	-0.44	74.0	22.94	Peak	100.00	150	Horizontal	Pass
6**	12651.201	40.75	-0.44	54.0	13.25	AV	100.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1064.750	46.10	-15.57	74.0	27.90	Peak	64.00	150	Vertical	Pass
1**	1064.750	31.58	-15.57	54.0	22.42	AV	64.00	150	Vertical	Pass
2	1597.750	44.55	-15.28	74.0	29.45	Peak	92.00	150	Vertical	Pass
2**	1597.750	29.63	-15.28	54.0	24.37	AV	92.00	150	Vertical	Pass
3	4000.500	51.28	-4.03	74.0	22.72	Peak	130.00	150	Vertical	Pass
3**	4000.500	36.84	-4.03	54.0	17.16	AV	130.00	150	Vertical	Pass
4	5227.000	107.07	-0.81	--	249.93	Peak	357.00	150	Vertical	N/A
4**	5227.000	100.17	-0.81	--	-100.17	AV	357.00	150	Vertical	N/A
5	7680.000	55.90	3.29	74.0	18.10	Peak	251.00	150	Vertical	Pass
5**	7680.000	44.72	3.29	54.0	9.28	AV	251.00	150	Vertical	Pass
6	12210.162	51.12	-1.13	74.0	22.88	Peak	0.00	150	Vertical	Pass
6**	12210.162	39.32	-1.13	54.0	14.68	AV	0.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1065.250	46.15	-15.57	74.0	27.85	Peak	71.00	150	Horizontal	Pass
1**	1065.250	31.85	-15.57	54.0	22.15	AV	71.00	150	Horizontal	Pass
2	1598.500	41.89	-15.29	74.0	32.11	Peak	76.00	150	Horizontal	Pass
2**	1598.500	29.44	-15.29	54.0	24.56	AV	76.00	150	Horizontal	Pass
3	4107.000	48.08	-3.20	74.0	25.92	Peak	320.00	150	Horizontal	Pass
3**	4107.000	36.82	-3.20	54.0	17.18	AV	320.00	150	Horizontal	Pass
4	5227.500	106.40	-0.82	--	-78.40	Peak	28.00	150	Horizontal	N/A
4**	5227.500	98.53	-0.82	--	-98.53	AV	28.00	150	Horizontal	N/A
5	7732.000	56.27	3.19	74.0	17.73	Peak	341.00	150	Horizontal	Pass
5**	7732.000	45.01	3.19	54.0	8.99	AV	341.00	150	Horizontal	Pass
6	11873.863	51.20	-0.77	74.0	22.80	Peak	0.00	150	Horizontal	Pass
6**	11873.863	40.36	-0.77	54.0	13.64	AV	0.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1063.250	44.60	-15.58	74.0	29.40	Peak	196.00	150	Vertical	Pass
1**	1063.250	30.30	-15.58	54.0	23.70	AV	196.00	150	Vertical	Pass
2	1701.750	43.25	-15.30	74.0	30.75	Peak	101.00	150	Vertical	Pass
2**	1701.750	29.26	-15.30	54.0	24.74	AV	101.00	150	Vertical	Pass
3	4267.000	49.85	-2.63	74.0	24.15	Peak	1.00	150	Vertical	Pass
3**	4267.000	37.75	-2.63	54.0	16.25	AV	1.00	150	Vertical	Pass
4	5226.500	107.07	-0.78	--	247.93	Peak	355.00	150	Vertical	N/A
4**	5226.500	99.45	-0.78	--	-99.45	AV	355.00	150	Vertical	N/A
5	7693.500	55.98	3.54	74.0	18.02	Peak	57.00	150	Vertical	Pass
5**	7693.500	44.85	3.54	54.0	9.15	AV	57.00	150	Vertical	Pass
6	12499.200	51.40	0.04	74.0	22.60	Peak	294.00	150	Vertical	Pass
6**	12499.200	40.55	0.04	54.0	13.45	AV	294.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1064.000	42.60	-15.57	74.0	31.40	Peak	86.00	150	Horizontal	Pass
1**	1064.000	29.22	-15.57	54.0	24.78	AV	86.00	150	Horizontal	Pass
2	1686.500	41.26	-15.47	74.0	32.74	Peak	270.00	150	Horizontal	Pass
2**	1686.500	29.66	-15.47	54.0	24.34	AV	270.00	150	Horizontal	Pass
3	4281.000	48.26	-2.65	74.0	25.74	Peak	180.00	150	Horizontal	Pass
3**	4281.000	37.57	-2.65	54.0	16.43	AV	180.00	150	Horizontal	Pass
4	5188.000	105.19	-0.99	--	-74.19	Peak	31.00	150	Horizontal	N/A
4**	5188.000	97.41	-0.99	--	-97.41	AV	31.00	150	Horizontal	N/A
5	7628.500	56.19	3.00	74.0	17.81	Peak	139.00	150	Horizontal	Pass
5**	7628.500	45.36	3.00	54.0	8.64	AV	139.00	150	Horizontal	Pass
6	12492.313	51.00	0.16	74.0	23.00	Peak	147.00	150	Horizontal	Pass
6**	12492.313	41.12	0.16	54.0	12.88	AV	147.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1064.750	46.31	-15.57	74.0	27.69	Peak	0.00	150	Vertical	Pass
1**	1064.750	28.72	-15.57	54.0	25.28	AV	0.00	150	Vertical	Pass
2	1598.500	45.53	-15.29	74.0	28.47	Peak	99.00	150	Vertical	Pass
2**	1598.500	28.76	-15.29	54.0	25.24	AV	99.00	150	Vertical	Pass
3	4250.000	51.01	-2.73	74.0	22.99	Peak	69.00	150	Vertical	Pass
3**	4250.000	37.75	-2.73	54.0	16.25	AV	69.00	150	Vertical	Pass
4	5187.500	107.78	-1.00	--	249.22	Peak	357.00	150	Vertical	N/A
4**	5187.500	99.64	-1.00	--	-99.64	AV	357.00	150	Vertical	N/A
5	7737.500	56.17	3.33	74.0	17.83	Peak	39.00	150	Vertical	Pass
5**	7737.500	45.46	3.33	54.0	8.54	AV	39.00	150	Vertical	Pass
6	15383.925	52.96	0.96	74.0	21.04	Peak	35.00	150	Vertical	Pass
6**	15383.925	41.48	0.96	54.0	12.52	AV	35.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1066.500	45.93	-15.58	74.0	28.07	Peak	164.00	150	Horizontal	Pass
1**	1066.500	28.49	-15.58	54.0	25.51	AV	164.00	150	Horizontal	Pass
2	1680.750	41.25	-15.46	74.0	32.75	Peak	267.00	150	Horizontal	Pass
2**	1680.750	29.74	-15.46	54.0	24.26	AV	267.00	150	Horizontal	Pass
3	4335.500	48.82	-2.38	74.0	25.18	Peak	181.00	150	Horizontal	Pass
3**	4335.500	37.91	-2.38	54.0	16.09	AV	181.00	150	Horizontal	Pass
4	5184.500	104.77	-0.94	--	-75.77	Peak	29.00	150	Horizontal	N/A
4**	5184.500	96.74	-0.94	--	-96.74	AV	29.00	150	Horizontal	N/A
5	7333.000	56.50	2.83	74.0	17.50	Peak	7.00	150	Horizontal	Pass
5**	7333.000	45.06	2.83	54.0	8.94	AV	7.00	150	Horizontal	Pass
6	11903.313	51.03	-0.80	74.0	22.97	Peak	360.00	150	Horizontal	Pass
6**	11903.313	40.40	-0.80	54.0	13.60	AV	360.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1061.750	46.21	-15.57	74.0	27.79	Peak	103.00	150	Vertical	Pass
1**	1061.750	30.08	-15.57	54.0	23.92	AV	103.00	150	Vertical	Pass
2	1594.750	43.68	-15.37	74.0	30.32	Peak	108.00	150	Vertical	Pass
2**	1594.750	30.83	-15.37	54.0	23.17	AV	108.00	150	Vertical	Pass
3	4257.500	51.16	-3.09	74.0	22.84	Peak	360.00	150	Vertical	Pass
3**	4257.500	37.31	-3.09	54.0	16.69	AV	360.00	150	Vertical	Pass
4	5185.000	107.56	-0.96	--	249.44	Peak	357.00	150	Vertical	N/A
4**	5185.000	99.52	-0.96	--	-99.52	AV	357.00	150	Vertical	N/A
5	7727.000	55.32	3.03	74.0	18.68	Peak	170.00	150	Vertical	Pass
5**	7727.000	44.87	3.03	54.0	9.13	AV	170.00	150	Vertical	Pass
6	11795.488	51.17	-1.52	74.0	22.83	Peak	359.00	150	Vertical	Pass
6**	11795.488	39.44	-1.52	54.0	14.56	AV	359.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1062.250	45.68	-15.58	74.0	28.32	Peak	108.00	150	Horizontal	Pass
1**	1062.250	30.99	-15.58	54.0	23.01	AV	108.00	150	Horizontal	Pass
2	1597.000	43.23	-15.28	74.0	30.77	Peak	77.00	150	Horizontal	Pass
2**	1597.000	29.29	-15.28	54.0	24.71	AV	77.00	150	Horizontal	Pass
3	4310.500	48.48	-2.73	74.0	25.52	Peak	8.00	150	Horizontal	Pass
3**	4310.500	37.48	-2.73	54.0	16.52	AV	8.00	150	Horizontal	Pass
4	5305.000	104.92	-0.57	--	-65.92	Peak	39.00	150	Horizontal	N/A
4**	5305.000	96.73	-0.57	--	-96.73	AV	39.00	150	Horizontal	N/A
5	7341.500	56.08	3.20	74.0	17.92	Peak	77.00	150	Horizontal	Pass
5**	7341.500	44.63	3.20	54.0	9.37	AV	77.00	150	Horizontal	Pass
6	12659.037	51.59	-0.21	74.0	22.41	Peak	353.00	150	Horizontal	Pass
6**	12659.037	40.82	-0.21	54.0	13.18	AV	353.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1065.000	46.42	-15.57	74.0	27.58	Peak	15.00	150	Vertical	Pass
1**	1065.000	29.12	-15.57	54.0	24.88	AV	15.00	150	Vertical	Pass
2	1597.500	42.95	-15.28	74.0	31.05	Peak	235.00	150	Vertical	Pass
2**	1597.500	29.56	-15.28	54.0	24.44	AV	235.00	150	Vertical	Pass
3	4247.000	52.27	-2.55	74.0	21.73	Peak	360.00	150	Vertical	Pass
3**	4247.000	37.63	-2.55	54.0	16.37	AV	360.00	150	Vertical	Pass
4	5293.000	106.18	-0.51	--	-6.18	Peak	100.00	150	Vertical	N/A
4**	5293.000	98.16	-0.51	--	-98.16	AV	100.00	150	Vertical	N/A
5	7637.000	56.05	2.93	74.0	17.95	Peak	240.00	150	Vertical	Pass
5**	7637.000	45.12	2.93	54.0	8.88	AV	240.00	150	Vertical	Pass
6	12456.925	51.27	0.00	74.0	22.73	Peak	359.00	150	Vertical	Pass
6**	12456.925	41.03	0.00	54.0	12.97	AV	359.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1062.250	41.72	-15.58	74.0	32.28	Peak	328.00	150	Horizontal	Pass
1**	1062.250	29.20	-15.58	54.0	24.80	AV	328.00	150	Horizontal	Pass
2	1596.750	41.55	-15.29	74.0	32.45	Peak	89.00	150	Horizontal	Pass
2**	1596.750	29.96	-15.29	54.0	24.04	AV	89.00	150	Horizontal	Pass
3	4201.500	48.60	-2.40	74.0	25.40	Peak	15.00	150	Horizontal	Pass
3**	4201.500	37.26	-2.40	54.0	16.74	AV	15.00	150	Horizontal	Pass
4	5295.500	105.70	-0.53	--	-71.70	Peak	34.00	150	Horizontal	N/A
4**	5295.500	97.66	-0.53	--	-97.66	AV	34.00	150	Horizontal	N/A
5	7297.000	55.36	2.73	74.0	18.64	Peak	44.00	150	Horizontal	Pass
5**	7297.000	44.88	2.73	54.0	9.12	AV	44.00	150	Horizontal	Pass
6	12666.875	50.83	-0.14	74.0	23.17	Peak	170.00	150	Horizontal	Pass
6**	12666.875	40.81	-0.14	54.0	13.19	AV	170.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1066.000	47.26	-15.57	74.0	26.74	Peak	41.00	150	Vertical	Pass
1**	1066.000	29.04	-15.57	54.0	24.96	AV	41.00	150	Vertical	Pass
2	1594.500	43.25	-15.38	74.0	30.75	Peak	75.00	150	Vertical	Pass
2**	1594.500	30.83	-15.38	54.0	23.17	AV	75.00	150	Vertical	Pass
3	4262.500	50.98	-2.93	74.0	23.02	Peak	360.00	150	Vertical	Pass
3**	4262.500	37.34	-2.93	54.0	16.66	AV	360.00	150	Vertical	Pass
4	5292.000	106.13	-0.51	--	-13.13	Peak	93.00	150	Vertical	N/A
4**	5292.000	97.36	-0.51	--	-97.36	AV	93.00	150	Vertical	N/A
5	7746.000	56.07	3.54	74.0	17.93	Peak	350.00	150	Vertical	Pass
5**	7746.000	45.32	3.54	54.0	8.68	AV	350.00	150	Vertical	Pass
6	12487.562	51.63	0.09	74.0	22.37	Peak	339.00	150	Vertical	Pass
6**	12487.562	40.65	0.09	54.0	13.35	AV	339.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1062.750	46.71	-15.58	74.0	27.29	Peak	164.00	150	Horizontal	Pass
1**	1062.750	31.36	-15.58	54.0	22.64	AV	164.00	150	Horizontal	Pass
2	1681.750	41.78	-15.45	74.0	32.22	Peak	269.00	150	Horizontal	Pass
2**	1681.750	30.61	-15.45	54.0	23.39	AV	269.00	150	Horizontal	Pass
3	4306.500	48.55	-2.73	74.0	25.45	Peak	140.00	150	Horizontal	Pass
3**	4306.500	38.07	-2.73	54.0	15.93	AV	140.00	150	Horizontal	Pass
4	5274.500	105.60	-0.86	--	-74.60	Peak	31.00	150	Horizontal	N/A
4**	5274.500	97.63	-0.86	--	-97.63	AV	31.00	150	Horizontal	N/A
5	7252.000	56.12	3.07	74.0	17.88	Peak	209.00	150	Horizontal	Pass
5**	7252.000	45.27	3.07	54.0	8.73	AV	209.00	150	Horizontal	Pass
6	12445.050	50.70	-0.72	74.0	23.30	Peak	0.00	150	Horizontal	Pass
6**	12445.050	39.31	-0.72	54.0	14.69	AV	0.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1063.000	45.44	-15.58	74.0	28.56	Peak	12.00	150	Vertical	Pass
1**	1063.000	30.86	-15.58	54.0	23.14	AV	12.00	150	Vertical	Pass
2	1705.750	42.68	-15.26	74.0	31.32	Peak	95.00	150	Vertical	Pass
2**	1705.750	29.91	-15.26	54.0	24.09	AV	95.00	150	Vertical	Pass
3	4255.000	50.77	-3.02	74.0	23.23	Peak	360.00	150	Vertical	Pass
3**	4255.000	37.23	-3.02	54.0	16.77	AV	360.00	150	Vertical	Pass
4	5274.500	107.15	-0.86	--	249.85	Peak	357.00	150	Vertical	N/A
4**	5274.500	99.81	-0.86	--	-99.81	AV	357.00	150	Vertical	N/A
5	7374.500	55.80	2.55	74.0	18.20	Peak	2.00	150	Vertical	Pass
5**	7374.500	44.50	2.55	54.0	9.50	AV	2.00	150	Vertical	Pass
6	12505.375	50.94	-0.20	74.0	23.06	Peak	315.00	150	Vertical	Pass
6**	12505.375	40.59	-0.20	54.0	13.41	AV	315.00	150	Vertical	Pass

11ac80, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1066.500	44.20	-15.58	74.0	29.80	Peak	31.00	150	Horizontal	Pass
1**	1066.500	28.39	-15.58	54.0	25.61	AV	31.00	150	Horizontal	Pass
2	1594.000	42.59	-15.37	74.0	31.41	Peak	221.00	150	Horizontal	Pass
2**	1594.000	29.91	-15.37	54.0	24.09	AV	221.00	150	Horizontal	Pass
3	4207.500	48.28	-2.25	74.0	25.72	Peak	360.00	150	Horizontal	Pass
3**	4207.500	37.46	-2.25	54.0	16.54	AV	360.00	150	Horizontal	Pass
4	5264.500	105.92	-0.93	--	-67.92	Peak	38.00	150	Horizontal	N/A
4**	5264.500	97.74	-0.93	--	-97.74	AV	38.00	150	Horizontal	N/A
5	7282.000	56.16	2.52	74.0	17.84	Peak	1.00	150	Horizontal	Pass
5**	7282.000	45.10	2.52	54.0	8.90	AV	1.00	150	Horizontal	Pass
6	10676.862	50.65	-1.56	74.0	23.35	Peak	291.00	150	Horizontal	Pass
6**	10676.862	38.90	-1.56	54.0	15.10	AV	291.00	150	Horizontal	Pass

11ac80, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1063.000	46.44	-15.58	74.0	27.56	Peak	101.00	150	Vertical	Pass
1**	1063.000	33.86	-15.58	54.0	20.14	AV	101.00	150	Vertical	Pass
2	1595.250	44.11	-15.36	74.0	29.89	Peak	96.00	150	Vertical	Pass
2**	1595.250	31.31	-15.36	54.0	22.69	AV	96.00	150	Vertical	Pass
3	3990.000	51.03	-3.97	74.0	22.97	Peak	21.00	150	Vertical	Pass
3**	3990.000	36.57	-3.97	54.0	17.43	AV	21.00	150	Vertical	Pass
4	5276.000	106.77	-0.84	--	-16.77	Peak	90.00	150	Vertical	N/A
4**	5276.000	99.31	-0.84	--	-99.31	AV	90.00	150	Vertical	N/A
5	7689.000	55.64	3.41	74.0	18.36	Peak	21.00	150	Vertical	Pass
5**	7689.000	45.16	3.41	54.0	8.84	AV	21.00	150	Vertical	Pass
6	12538.150	51.44	-0.31	74.0	22.56	Peak	339.00	150	Vertical	Pass
6**	12538.150	40.36	-0.31	54.0	13.64	AV	339.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1065.000	44.60	-15.57	74.0	29.40	Peak	82.00	150	Horizontal	Pass
1**	1065.000	28.34	-15.57	54.0	25.66	AV	82.00	150	Horizontal	Pass
2	1595.500	42.66	-15.35	74.0	31.34	Peak	346.00	150	Horizontal	Pass
2**	1595.500	33.87	-15.35	54.0	20.13	AV	346.00	150	Horizontal	Pass
3	4182.500	48.39	-3.02	74.0	25.61	Peak	149.00	150	Horizontal	Pass
3**	4182.500	37.85	-3.02	54.0	16.15	AV	149.00	150	Horizontal	Pass
4	5586.500	108.10	-0.59	--	-10.10	Peak	98.00	150	Horizontal	N/A
4**	5586.500	100.27	-0.59	--	-100.27	AV	98.00	150	Horizontal	N/A
5	7693.500	56.27	3.54	74.0	17.73	Peak	28.00	150	Horizontal	Pass
5**	7693.500	45.00	3.54	54.0	9.00	AV	28.00	150	Horizontal	Pass
6	12667.825	51.21	-0.11	74.0	22.79	Peak	359.00	150	Horizontal	Pass
6**	12667.825	40.72	-0.11	54.0	13.28	AV	359.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1064.250	45.32	-15.57	74.0	28.68	Peak	2.00	150	Vertical	Pass
1**	1064.250	28.47	-15.57	54.0	25.53	AV	2.00	150	Vertical	Pass
2	1592.500	42.85	-15.39	74.0	31.15	Peak	117.00	150	Vertical	Pass
2**	1592.500	29.78	-15.39	54.0	24.22	AV	117.00	150	Vertical	Pass
3	4251.000	52.97	-2.76	74.0	21.03	Peak	360.00	150	Vertical	Pass
3**	4251.000	37.32	-2.76	54.0	16.68	AV	360.00	150	Vertical	Pass
4	5575.500	105.90	-0.79	--	-103.90	Peak	2.00	150	Vertical	N/A
4**	5575.500	97.65	-0.79	--	-97.65	AV	2.00	150	Vertical	N/A
5	7704.500	56.33	3.80	74.0	17.67	Peak	212.00	150	Vertical	Pass
5**	7704.500	45.22	3.80	54.0	8.78	AV	212.00	150	Vertical	Pass
6	12507.750	52.14	-0.22	74.0	21.86	Peak	360.00	150	Vertical	Pass
6**	12507.750	40.97	-0.22	54.0	13.03	AV	360.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1065.000	46.63	-15.57	74.0	27.37	Peak	70.00	150	Horizontal	Pass
1**	1065.000	28.64	-15.57	54.0	25.36	AV	70.00	150	Horizontal	Pass
2	1668.750	41.50	-15.27	74.0	32.50	Peak	256.00	150	Horizontal	Pass
2**	1668.750	29.26	-15.27	54.0	24.74	AV	256.00	150	Horizontal	Pass
3	4305.000	48.57	-2.70	74.0	25.43	Peak	0.00	150	Horizontal	Pass
3**	4305.000	37.99	-2.70	54.0	16.01	AV	0.00	150	Horizontal	Pass
4	5584.500	107.52	-0.65	--	-7.52	Peak	100.00	150	Horizontal	N/A
4**	5584.500	99.68	-0.65	--	-99.68	AV	100.00	150	Horizontal	N/A
5	7561.000	56.32	2.96	74.0	17.68	Peak	0.00	150	Horizontal	Pass
5**	7561.000	44.94	2.96	54.0	9.06	AV	0.00	150	Horizontal	Pass
6	11416.912	50.81	-1.31	74.0	23.19	Peak	360.00	150	Horizontal	Pass
6**	11416.912	40.01	-1.31	54.0	13.99	AV	360.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1065.750	46.01	-15.57	74.0	27.99	Peak	26.00	150	Vertical	Pass
1**	1065.750	28.29	-15.57	54.0	25.71	AV	26.00	150	Vertical	Pass
2	1698.750	44.03	-15.26	74.0	29.97	Peak	90.00	150	Vertical	Pass
2**	1698.750	29.68	-15.26	54.0	24.32	AV	90.00	150	Vertical	Pass
3	4257.500	50.83	-3.09	74.0	23.17	Peak	351.00	150	Vertical	Pass
3**	4257.500	37.57	-3.09	54.0	16.43	AV	351.00	150	Vertical	Pass
4	5581.500	105.09	-0.71	--	-65.09	Peak	40.00	150	Vertical	N/A
4**	5581.500	97.10	-0.71	--	-97.10	AV	40.00	150	Vertical	N/A
5	7630.500	55.80	3.01	74.0	18.20	Peak	249.00	150	Vertical	Pass
5**	7630.500	44.99	3.01	54.0	9.01	AV	249.00	150	Vertical	Pass
6	12594.675	51.09	-0.40	74.0	22.91	Peak	308.00	150	Vertical	Pass
6**	12594.675	40.26	-0.40	54.0	13.74	AV	308.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1064.750	44.29	-15.57	74.0	29.71	Peak	83.00	150	Horizontal	Pass
1**	1064.750	28.64	-15.57	54.0	25.36	AV	83.00	150	Horizontal	Pass
2	1598.000	43.31	-15.28	74.0	30.69	Peak	83.00	150	Horizontal	Pass
2**	1598.000	28.84	-15.28	54.0	25.16	AV	83.00	150	Horizontal	Pass
3	4241.500	49.39	-2.52	74.0	24.61	Peak	190.00	150	Horizontal	Pass
3**	4241.500	37.41	-2.52	54.0	16.59	AV	190.00	150	Horizontal	Pass
4	5597.500	108.08	-0.55	--	-8.08	Peak	100.00	150	Horizontal	N/A
4**	5597.500	99.94	-0.55	--	-99.94	AV	100.00	150	Horizontal	N/A
5	9398.162	50.53	-1.71	74.0	23.47	Peak	163.00	150	Horizontal	Pass
5**	9398.162	38.91	-1.71	54.0	15.09	AV	163.00	150	Horizontal	Pass
6	11896.662	51.00	-0.92	74.0	23.00	Peak	259.00	150	Horizontal	Pass
6**	11896.662	40.23	-0.92	54.0	13.77	AV	259.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1061.500	48.47	-15.57	74.0	25.53	Peak	46.00	150	Vertical	Pass
1**	1061.500	29.05	-15.57	54.0	24.95	AV	46.00	150	Vertical	Pass
2	1597.250	44.48	-15.28	74.0	29.52	Peak	74.00	150	Vertical	Pass
2**	1597.250	31.49	-15.28	54.0	22.51	AV	74.00	150	Vertical	Pass
3	4252.500	52.13	-2.91	74.0	21.87	Peak	0.00	150	Vertical	Pass
3**	4252.500	38.58	-2.91	54.0	15.42	AV	0.00	150	Vertical	Pass
4	5587.000	106.38	-0.61	--	-66.38	Peak	40.00	150	Vertical	N/A
4**	5587.000	98.15	-0.61	--	-98.15	AV	40.00	150	Vertical	N/A
5	7695.500	56.24	3.59	74.0	17.76	Peak	0.00	150	Vertical	Pass
5**	7695.500	45.38	3.59	54.0	8.62	AV	0.00	150	Vertical	Pass
6	12494.687	51.39	0.11	74.0	22.61	Peak	0.00	150	Vertical	Pass
6**	12494.687	41.34	0.11	54.0	12.66	AV	0.00	150	Vertical	Pass

11ac80, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1034.000	41.01	-15.84	74.0	32.99	Peak	5.00	150	Horizontal	Pass
1**	1034.000	34.45	-15.84	54.0	19.55	AV	5.00	150	Horizontal	Pass
2	1683.000	41.57	-15.47	74.0	32.43	Peak	259.00	150	Horizontal	Pass
2**	1683.000	30.72	-15.47	54.0	23.28	AV	259.00	150	Horizontal	Pass
3	4093.500	48.26	-3.75	74.0	25.74	Peak	191.00	150	Horizontal	Pass
3**	4093.500	36.95	-3.75	54.0	17.05	AV	191.00	150	Horizontal	Pass
4	5596.500	108.34	-0.56	--	-8.34	Peak	100.00	150	Horizontal	N/A
4**	5596.500	100.20	-0.56	--	-100.20	AV	100.00	150	Horizontal	N/A
5	7735.000	55.51	3.21	74.0	18.49	Peak	280.00	150	Horizontal	Pass
5**	7735.000	45.63	3.21	54.0	8.37	AV	280.00	150	Horizontal	Pass
6	12530.076	52.34	-0.50	74.0	21.66	Peak	259.00	150	Horizontal	Pass
6**	12530.076	40.63	-0.50	54.0	13.37	AV	259.00	150	Horizontal	Pass

11ac80, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1064.500	49.01	-15.56	74.0	24.99	Peak	105.00	150	Vertical	Pass
1**	1064.500	33.84	-15.56	54.0	20.16	AV	105.00	150	Vertical	Pass
2	1594.500	46.18	-15.38	74.0	27.82	Peak	82.00	150	Vertical	Pass
2**	1594.500	32.44	-15.38	54.0	21.56	AV	82.00	150	Vertical	Pass
3	4334.500	50.20	-2.41	74.0	23.80	Peak	69.00	150	Vertical	Pass
3**	4334.500	37.70	-2.41	54.0	16.30	AV	69.00	150	Vertical	Pass
4	5593.000	105.86	-0.61	--	-55.86	Peak	50.00	150	Vertical	N/A
4**	5593.000	98.33	-0.61	--	-98.33	AV	50.00	150	Vertical	N/A
5	9307.201	49.83	-1.82	74.0	24.17	Peak	260.00	150	Vertical	Pass
5**	9307.201	39.96	-1.82	54.0	14.04	AV	260.00	150	Vertical	Pass
6	12492.075	51.65	0.16	74.0	22.35	Peak	142.00	150	Vertical	Pass
6**	12492.075	40.69	0.16	54.0	13.31	AV	142.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1184.250	41.40	-15.46	74.0	32.60	Peak	326.00	150	Horizontal	Pass
1**	1184.250	34.61	-15.46	54.0	19.39	AV	326.00	150	Horizontal	Pass
2	1383.250	41.32	-15.51	74.0	32.68	Peak	331.00	150	Horizontal	Pass
2**	1383.250	34.22	-15.51	54.0	19.78	AV	331.00	150	Horizontal	Pass
3	4931.000	51.29	-0.89	74.0	22.71	Peak	111.00	150	Horizontal	Pass
3**	4931.000	40.16	-0.89	54.0	13.84	AV	111.00	150	Horizontal	Pass
4	5791.000	107.81	0.31	--	194.19	Peak	302.00	150	Horizontal	N/A
4**	5791.000	100.01	0.31	--	-100.01	AV	302.00	150	Horizontal	N/A
5	12045.575	51.00	-1.09	74.0	23.00	Peak	235.00	150	Horizontal	Pass
5**	12045.575	39.54	-1.09	54.0	14.46	AV	235.00	150	Horizontal	Pass
6	15758.513	52.19	0.95	74.0	21.81	Peak	84.00	150	Horizontal	Pass
6**	15758.513	41.88	0.95	54.0	12.12	AV	84.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1065.750	43.14	-15.57	74.0	30.86	Peak	28.00	150	Vertical	Pass
1**	1065.750	30.22	-15.57	54.0	23.78	AV	28.00	150	Vertical	Pass
2	1595.500	41.04	-15.35	74.0	32.96	Peak	360.00	150	Vertical	Pass
2**	1595.500	32.04	-15.35	54.0	21.96	AV	360.00	150	Vertical	Pass
3	4863.000	51.02	-1.28	74.0	22.98	Peak	120.00	150	Vertical	Pass
3**	4863.000	39.57	-1.28	54.0	14.43	AV	120.00	150	Vertical	Pass
4	5791.500	109.78	0.32	--	-80.78	Peak	29.00	150	Vertical	N/A
4**	5791.500	100.77	0.32	--	-100.77	AV	29.00	150	Vertical	N/A
5	11280.588	50.74	-1.27	74.0	23.26	Peak	285.00	150	Vertical	Pass
5**	11280.588	39.88	-1.27	54.0	14.12	AV	285.00	150	Vertical	Pass
6	15935.438	52.42	1.44	74.0	21.58	Peak	84.00	150	Vertical	Pass
6**	15935.438	42.24	1.44	54.0	11.76	AV	84.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1184.250	41.21	-15.46	74.0	32.79	Peak	338.00	150	Horizontal	Pass
1**	1184.250	34.76	-15.46	54.0	19.24	AV	338.00	150	Horizontal	Pass
2	1598.250	41.41	-15.29	74.0	32.59	Peak	200.00	150	Horizontal	Pass
2**	1598.250	29.56	-15.29	54.0	24.44	AV	200.00	150	Horizontal	Pass
3	4344.500	50.11	-2.33	74.0	23.89	Peak	90.00	150	Horizontal	Pass
3**	4344.500	37.86	-2.33	54.0	16.14	AV	90.00	150	Horizontal	Pass
4	5780.000	107.04	0.35	--	194.96	Peak	302.00	150	Horizontal	N/A
4**	5780.000	99.14	0.35	--	-99.14	AV	302.00	150	Horizontal	N/A
5	11909.488	50.74	-0.98	74.0	23.26	Peak	0.00	150	Horizontal	Pass
5**	11909.488	39.74	-0.98	54.0	14.26	AV	0.00	150	Horizontal	Pass
6	15945.150	52.32	1.29	74.0	21.68	Peak	16.00	150	Horizontal	Pass
6**	15945.150	42.06	1.29	54.0	11.94	AV	16.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1065.500	43.08	-15.57	74.0	30.92	Peak	360.00	150	Vertical	Pass
1**	1065.500	29.23	-15.57	54.0	24.77	AV	360.00	150	Vertical	Pass
2	1593.250	43.77	-15.37	74.0	30.23	Peak	92.00	150	Vertical	Pass
2**	1593.250	29.32	-15.37	54.0	24.68	AV	92.00	150	Vertical	Pass
3	5020.000	51.32	-0.87	74.0	22.68	Peak	252.00	150	Vertical	Pass
3**	5020.000	40.52	-0.87	54.0	13.48	AV	252.00	150	Vertical	Pass
4	5782.500	107.94	0.33	--	-76.94	Peak	31.00	150	Vertical	N/A
4**	5782.500	100.03	0.33	--	-100.03	AV	31.00	150	Vertical	N/A
5	12018.737	50.76	-1.03	74.0	23.24	Peak	260.00	150	Vertical	Pass
5**	12018.737	39.86	-1.03	54.0	14.14	AV	260.00	150	Vertical	Pass
6	15997.125	52.37	0.92	74.0	21.63	Peak	15.00	150	Vertical	Pass
6**	15997.125	41.53	0.92	54.0	12.47	AV	15.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1184.000	40.85	-15.46	74.0	33.15	Peak	258.00	150	Horizontal	Pass
1**	1184.000	34.63	-15.46	54.0	19.37	AV	258.00	150	Horizontal	Pass
2	1594.250	41.73	-15.38	74.0	32.27	Peak	230.00	150	Horizontal	Pass
2**	1594.250	29.30	-15.38	54.0	24.70	AV	230.00	150	Horizontal	Pass
3	4727.000	50.82	-1.81	74.0	23.18	Peak	40.00	150	Horizontal	Pass
3**	4727.000	39.65	-1.81	54.0	14.35	AV	40.00	150	Horizontal	Pass
4	5801.000	107.72	0.35	--	190.28	Peak	298.00	150	Horizontal	N/A
4**	5801.000	99.84	0.35	--	-99.84	AV	298.00	150	Horizontal	N/A
5	11816.625	50.53	-1.21	74.0	23.47	Peak	94.00	150	Horizontal	Pass
5**	11816.625	40.64	-1.21	54.0	13.36	AV	94.00	150	Horizontal	Pass
6	15896.325	52.39	1.77	74.0	21.61	Peak	187.00	150	Horizontal	Pass
6**	15896.325	42.05	1.77	54.0	11.95	AV	187.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1134.250	41.02	-15.53	74.0	32.98	Peak	184.00	150	Vertical	Pass
1**	1134.250	36.49	-15.53	54.0	17.51	AV	184.00	150	Vertical	Pass
2	1594.750	42.78	-15.37	74.0	31.22	Peak	360.00	150	Vertical	Pass
2**	1594.750	31.15	-15.37	54.0	22.85	AV	360.00	150	Vertical	Pass
3	3995.500	50.32	-3.97	74.0	23.68	Peak	21.00	150	Vertical	Pass
3**	3995.500	36.85	-3.97	54.0	17.15	AV	21.00	150	Vertical	Pass
4	5801.500	108.93	0.35	--	-77.93	Peak	31.00	150	Vertical	N/A
4**	5801.500	101.07	0.35	--	-101.07	AV	31.00	150	Vertical	N/A
5	12023.012	50.69	-0.93	74.0	23.31	Peak	186.00	150	Vertical	Pass
5**	12023.012	40.15	-0.93	54.0	13.85	AV	186.00	150	Vertical	Pass
6	15938.326	52.40	1.57	74.0	21.60	Peak	255.00	150	Vertical	Pass
6**	15938.326	42.06	1.57	54.0	11.94	AV	255.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1184.000	41.45	-15.46	74.0	32.55	Peak	258.00	150	Horizontal	Pass
1**	1184.000	34.46	-15.46	54.0	19.54	AV	258.00	150	Horizontal	Pass
2	1596.750	43.32	-15.29	74.0	30.68	Peak	117.00	150	Horizontal	Pass
2**	1596.750	28.92	-15.29	54.0	25.08	AV	117.00	150	Horizontal	Pass
3	3998.500	48.73	-4.02	74.0	25.27	Peak	35.00	150	Horizontal	Pass
3**	3998.500	37.14	-4.02	54.0	16.86	AV	35.00	150	Horizontal	Pass
4	5764.000	108.14	0.20	--	191.86	Peak	300.00	150	Horizontal	N/A
4**	5764.000	100.15	0.20	--	-100.15	AV	300.00	150	Horizontal	N/A
5	11862.938	51.08	-1.20	74.0	22.92	Peak	0.00	150	Horizontal	Pass
5**	11862.938	40.16	-1.20	54.0	13.84	AV	0.00	150	Horizontal	Pass
6	15672.674	51.77	1.68	74.0	22.23	Peak	208.00	150	Horizontal	Pass
6**	15672.674	42.44	1.68	54.0	11.56	AV	208.00	150	Horizontal	Pass

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

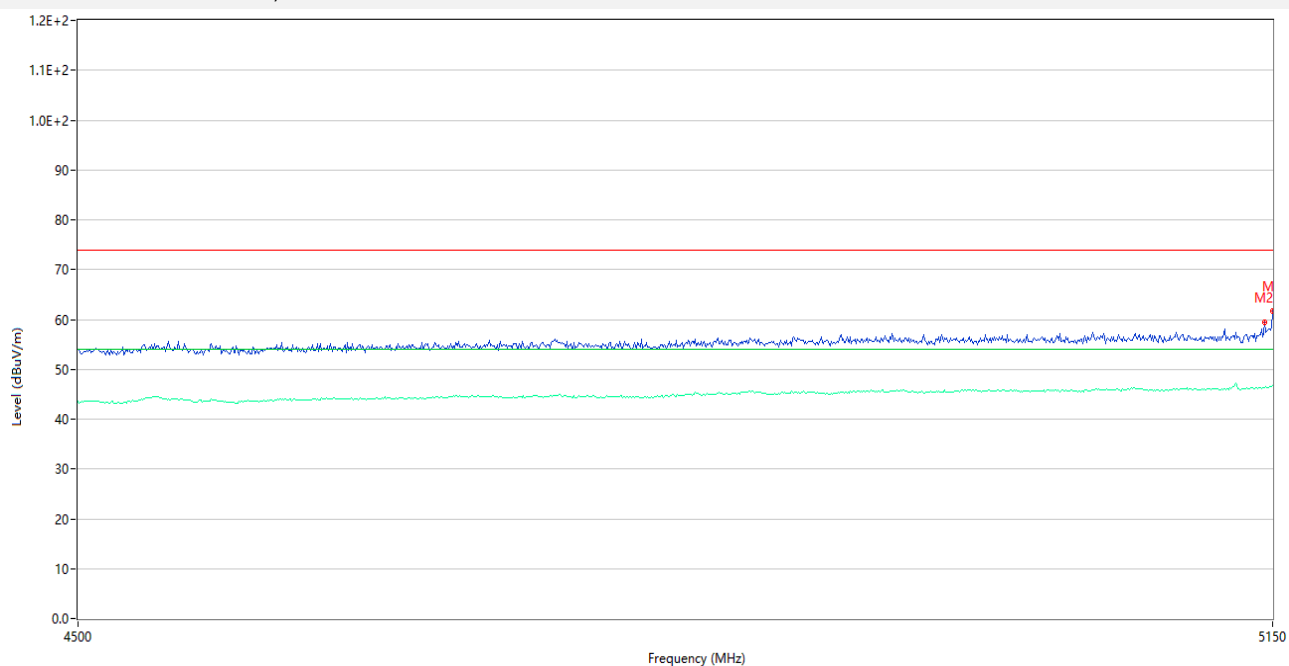
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1062.250	41.39	-15.58	74.0	32.61	Peak	0.00	150	Vertical	Pass
1**	1062.250	29.51	-15.58	54.0	24.49	AV	0.00	150	Vertical	Pass
2	1596.500	44.38	-15.30	74.0	29.62	Peak	92.00	150	Vertical	Pass
2**	1596.500	30.11	-15.30	54.0	23.89	AV	92.00	150	Vertical	Pass
3	3985.000	49.83	-3.95	74.0	24.17	Peak	7.00	150	Vertical	Pass
3**	3985.000	36.65	-3.95	54.0	17.35	AV	7.00	150	Vertical	Pass
4	5764.000	109.88	0.20	--	-81.88	Peak	28.00	150	Vertical	N/A
4**	5764.000	102.10	0.20	--	-102.10	AV	28.00	150	Vertical	N/A
5	12498.487	51.50	0.10	74.0	22.50	Peak	149.00	150	Vertical	Pass
5**	12498.487	42.13	0.10	54.0	11.87	AV	149.00	150	Vertical	Pass
6	15938.850	52.13	1.55	74.0	21.87	Peak	360.00	150	Vertical	Pass
6**	15938.850	42.37	1.55	54.0	11.63	AV	360.00	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
	802.11ac(VHT80)	Middle	Pass
U-NII-2A	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass
U-NII-2C	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Low	Pass
		High	Pass
U-NII-3	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass

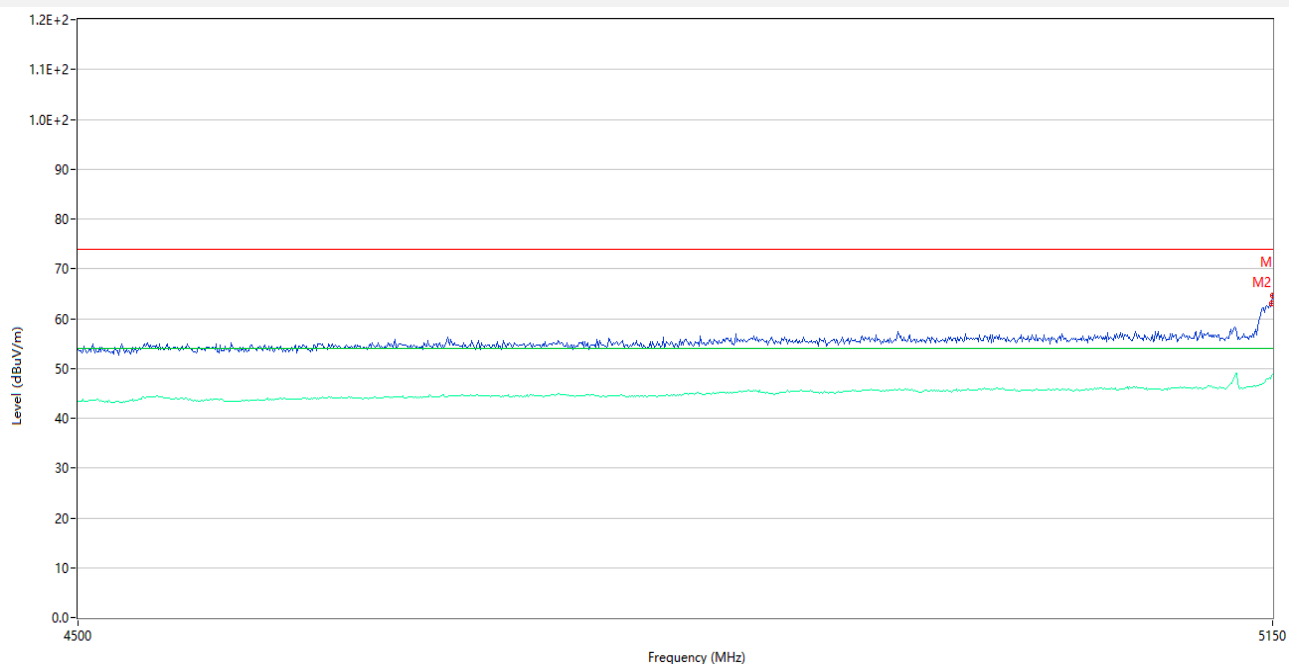
Test Data and Plots

U-NII-1 11a Low Channel, ANT H



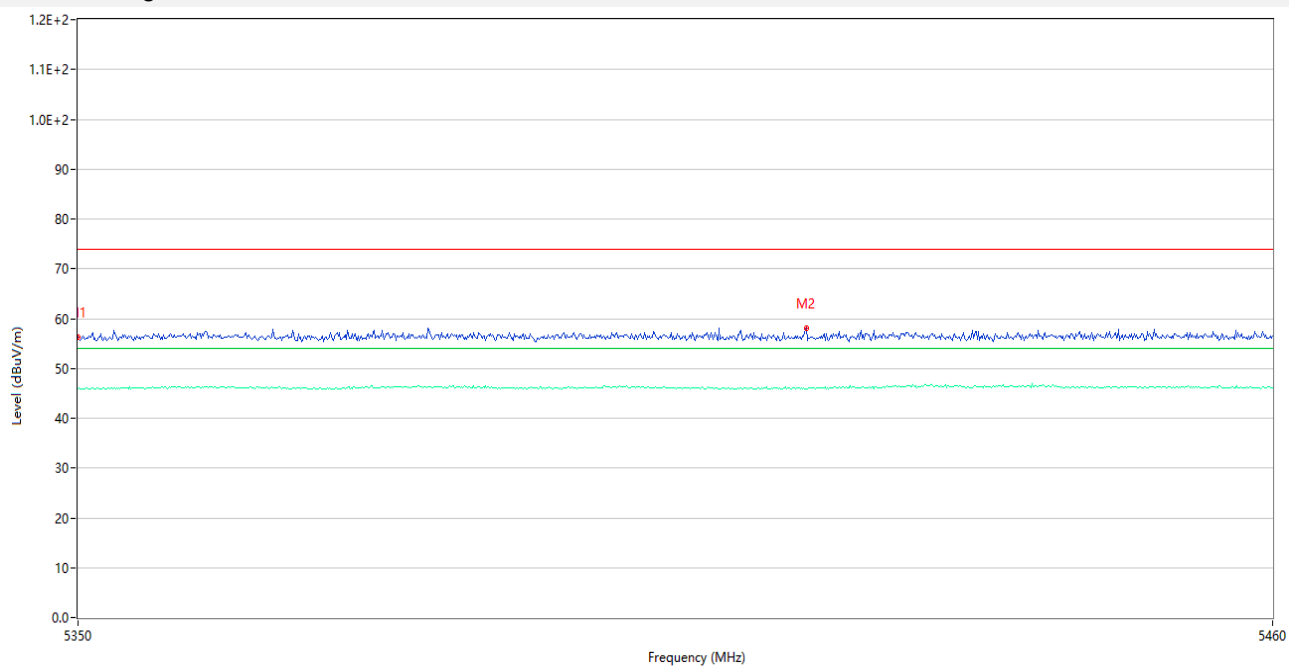
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	61.60	5.21	74.0	-11.60	Peak	50.00	150	Horizontal	Pass
1**	5150.000	46.84	5.21	54.0	-46.84	AV	50.00	150	Horizontal	Pass
2	5145.450	59.33	5.41	74.0	14.67	Peak	18.00	150	Horizontal	Pass
2**	5145.450	46.36	5.41	54.0	7.64	AV	18.00	150	Horizontal	Pass

U-NII-1 11a Low Channel, ANT V



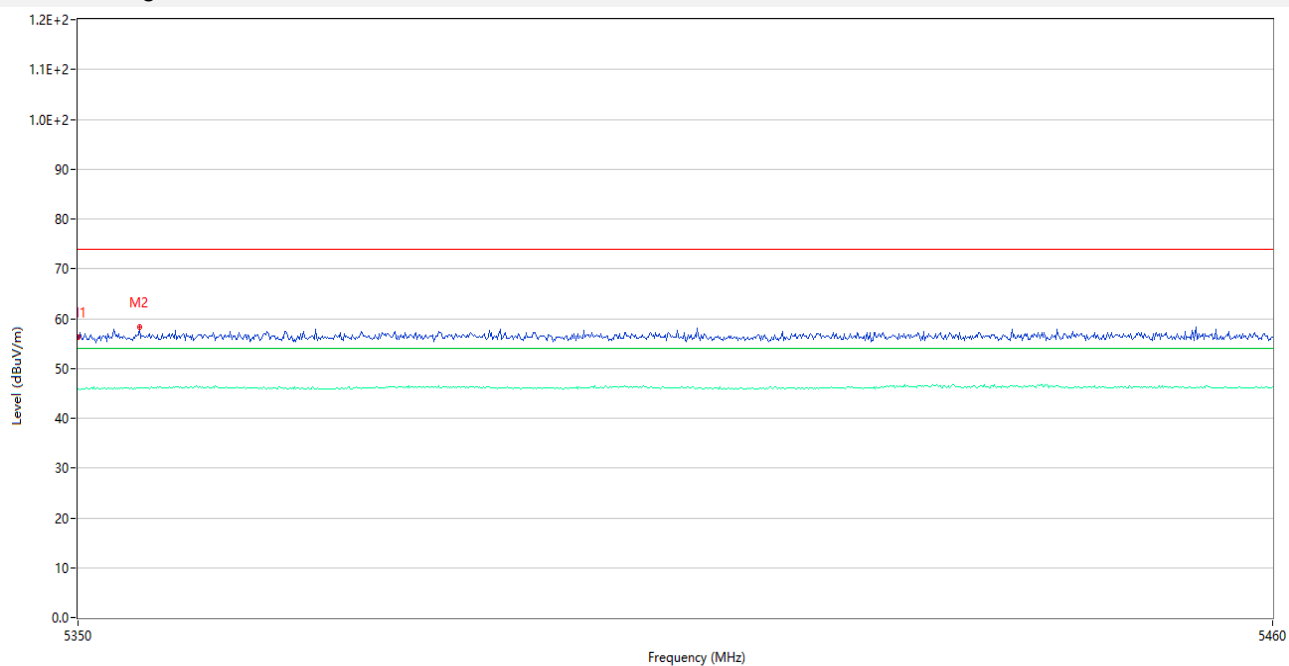
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	64.71	5.21	--	-63.71	Peak	1.00	150	Vertical	Pass
1**	5150.000	48.85	5.21	--	-48.85	AV	1.00	150	Vertical	Pass
2	5149.350	63.00	5.21	74.0	11.00	Peak	0.00	150	Vertical	Pass
2**	5149.350	48.43	5.21	54.0	5.57	AV	0.00	150	Vertical	Pass

U-NII-1 11a High Channel, ANT H



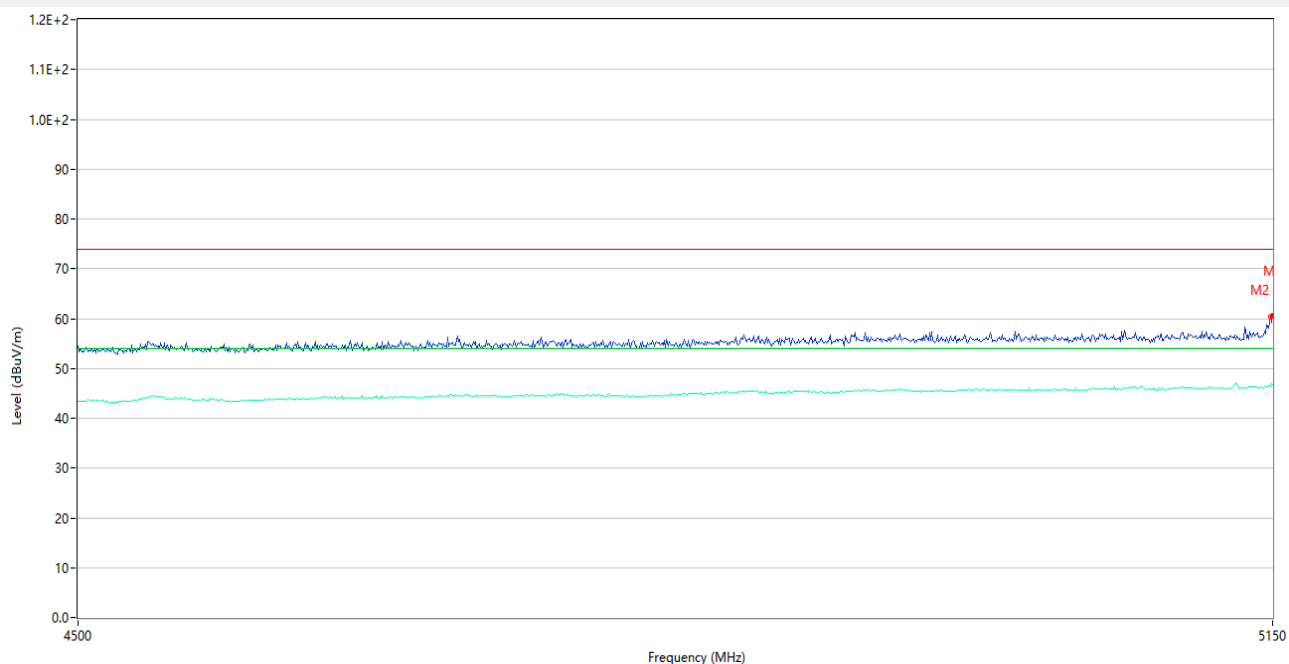
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.36	5.40	74.0	17.64	Peak	220.00	150	Horizontal	Pass
1**	5350.000	45.96	5.40	54.0	8.04	AV	220.00	150	Horizontal	Pass
2	5416.770	58.04	5.22	74.0	15.96	Peak	326.00	150	Horizontal	Pass
2**	5416.770	45.88	5.22	54.0	8.12	AV	326.00	150	Horizontal	Pass

U-NII-1 11a High Channel, ANT V



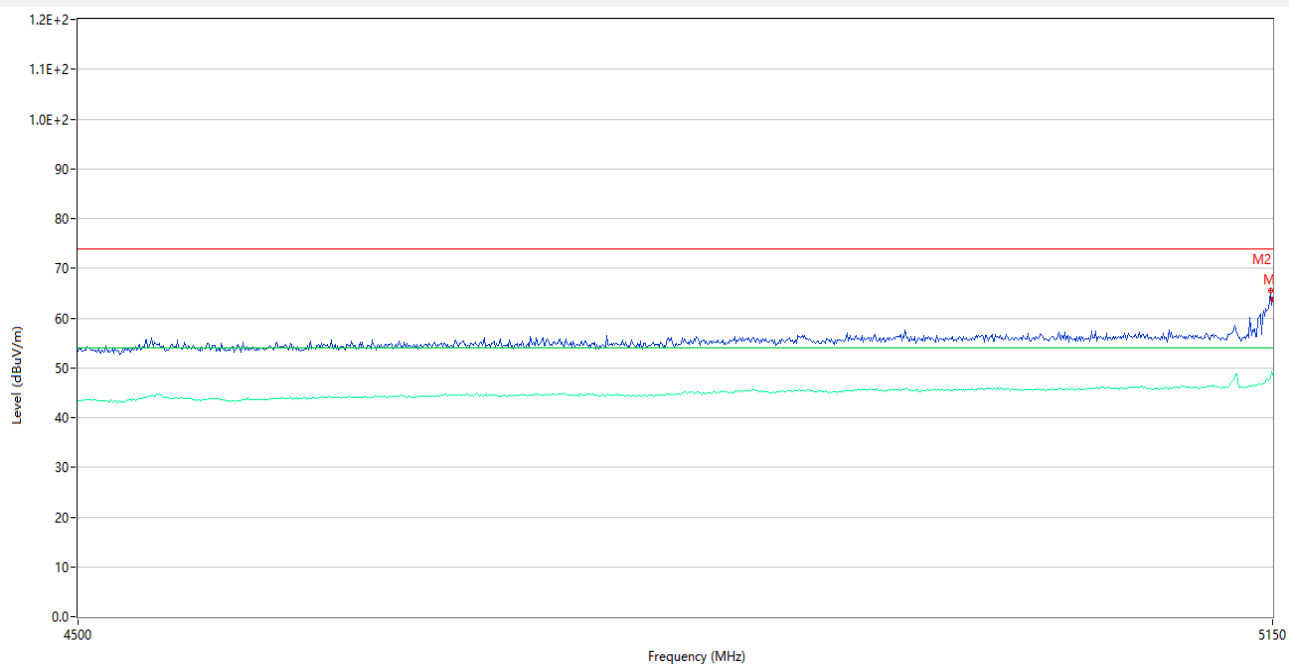
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.37	5.40	74.0	17.63	Peak	283.00	150	Vertical	Pass
1**	5350.000	45.97	5.40	54.0	8.03	AV	283.00	150	Vertical	Pass
2	5355.610	58.35	5.56	74.0	15.65	Peak	121.00	150	Vertical	Pass
2**	5355.610	45.99	5.56	54.0	8.01	AV	121.00	150	Vertical	Pass

U-NII-1 11n20 Low Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	60.46	5.21	74.0	-19.46	Peak	41.00	150	Horizontal	Pass
1**	5150.000	46.87	5.21	54.0	-46.87	AV	41.00	150	Horizontal	Pass
2	5148.700	60.30	5.23	74.0	13.70	Peak	29.00	150	Horizontal	Pass
2**	5148.700	46.41	5.23	54.0	7.59	AV	29.00	150	Horizontal	Pass

U-NII-1 11n20 Low Channel, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	63.73	5.21	74.0	296.27	Peak	360.00	150	Vertical	Pass
1**	5150.000	48.54	5.21	54.0	-48.54	AV	360.00	150	Vertical	Pass
2	5148.700	65.53	5.23	74.0	8.47	Peak	360.00	150	Vertical	Pass
2**	5148.700	48.00	5.23	54.0	6.00	AV	360.00	150	Vertical	Pass

U-NII-1 11n20 High Channel, ANT H



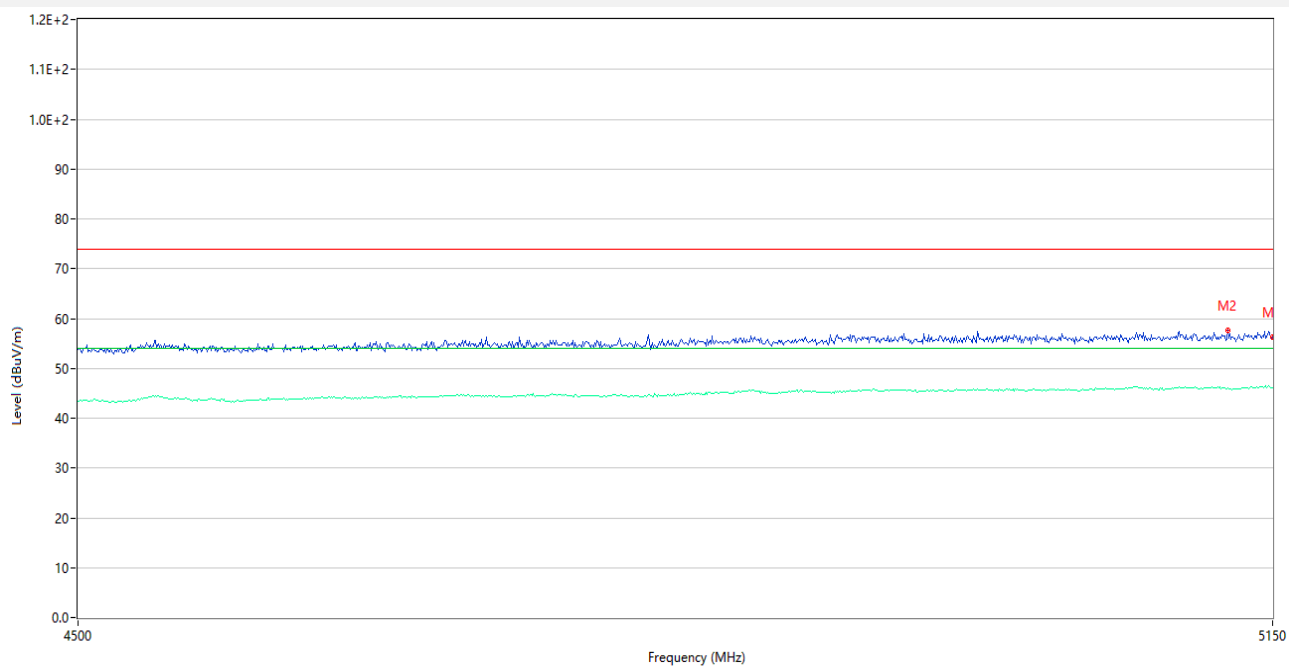
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.04	5.40	74.0	17.96	Peak	281.00	150	Horizontal	Pass
1**	5350.000	45.88	5.40	54.0	8.12	AV	281.00	150	Horizontal	Pass
2	5361.330	58.36	5.71	74.0	15.64	Peak	250.00	150	Horizontal	Pass
2**	5361.330	46.28	5.71	54.0	7.72	AV	250.00	150	Horizontal	Pass

U-NII-1 11n20 High Channel, ANT V



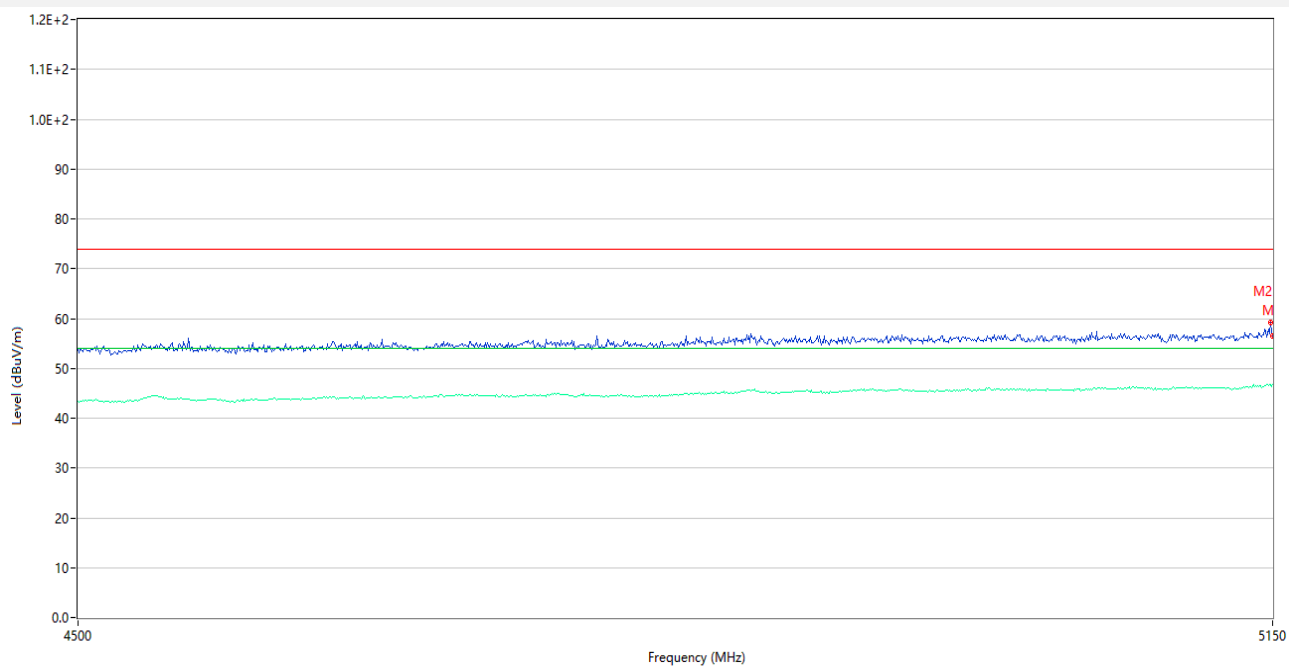
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.75	5.40	74.0	17.25	Peak	38.00	150	Vertical	Pass
1**	5350.000	45.99	5.40	54.0	8.01	AV	38.00	150	Vertical	Pass
2	5359.790	58.00	5.69	74.0	16.00	Peak	77.00	150	Vertical	Pass
2**	5359.790	46.18	5.69	54.0	7.82	AV	77.00	150	Vertical	Pass

U-NII-1 11n40 Low Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.17	5.21	74.0	-42.17	Peak	14.00	150	Horizontal	Pass
1**	5150.000	46.19	5.21	54.0	-46.19	AV	14.00	150	Horizontal	Pass
2	5124.000	57.61	5.18	74.0	16.39	Peak	277.00	150	Horizontal	Pass
2**	5124.000	46.02	5.18	54.0	7.98	AV	277.00	150	Horizontal	Pass

U-NII-1 11n40 Low Channel, ANT V



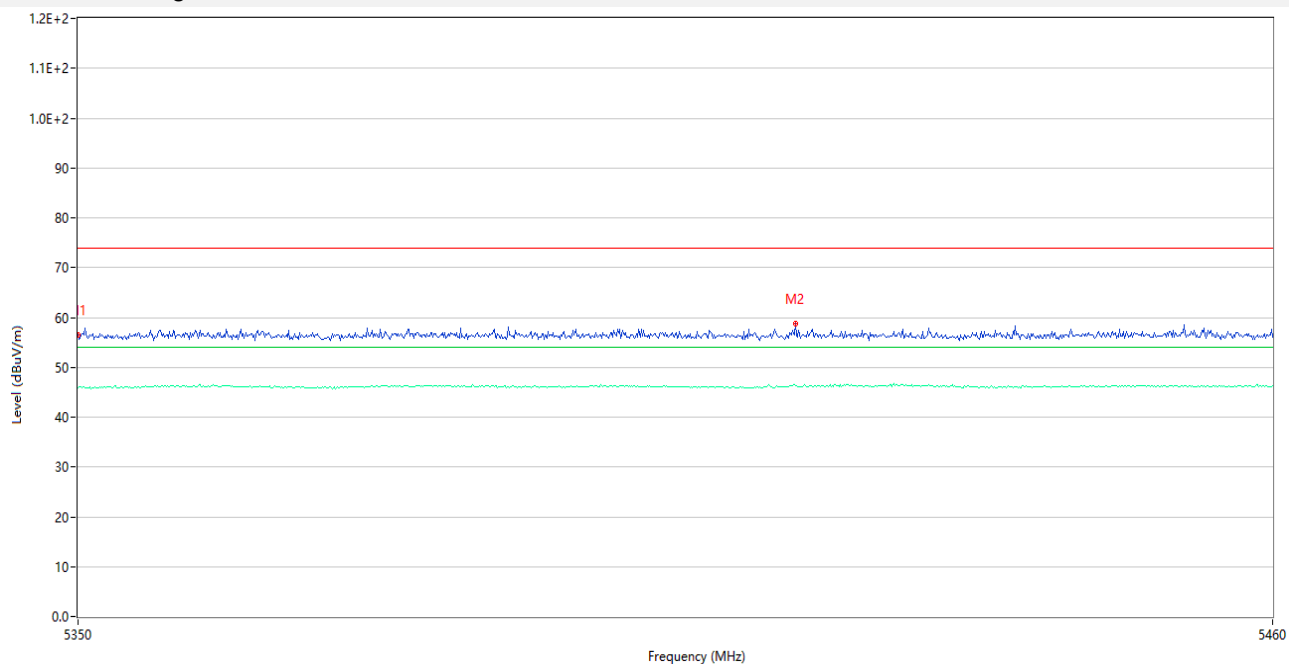
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.57	5.21	74.0	-56.57	Peak	0.00	150	Vertical	Pass
1**	5150.000	46.75	5.21	54.0	-46.75	AV	0.00	150	Vertical	Pass
2	5148.700	59.29	5.23	74.0	14.71	Peak	359.00	150	Vertical	Pass
2**	5148.700	46.70	5.23	54.0	7.30	AV	359.00	150	Vertical	Pass

U-NII-1 11n40 High Channel, ANT H



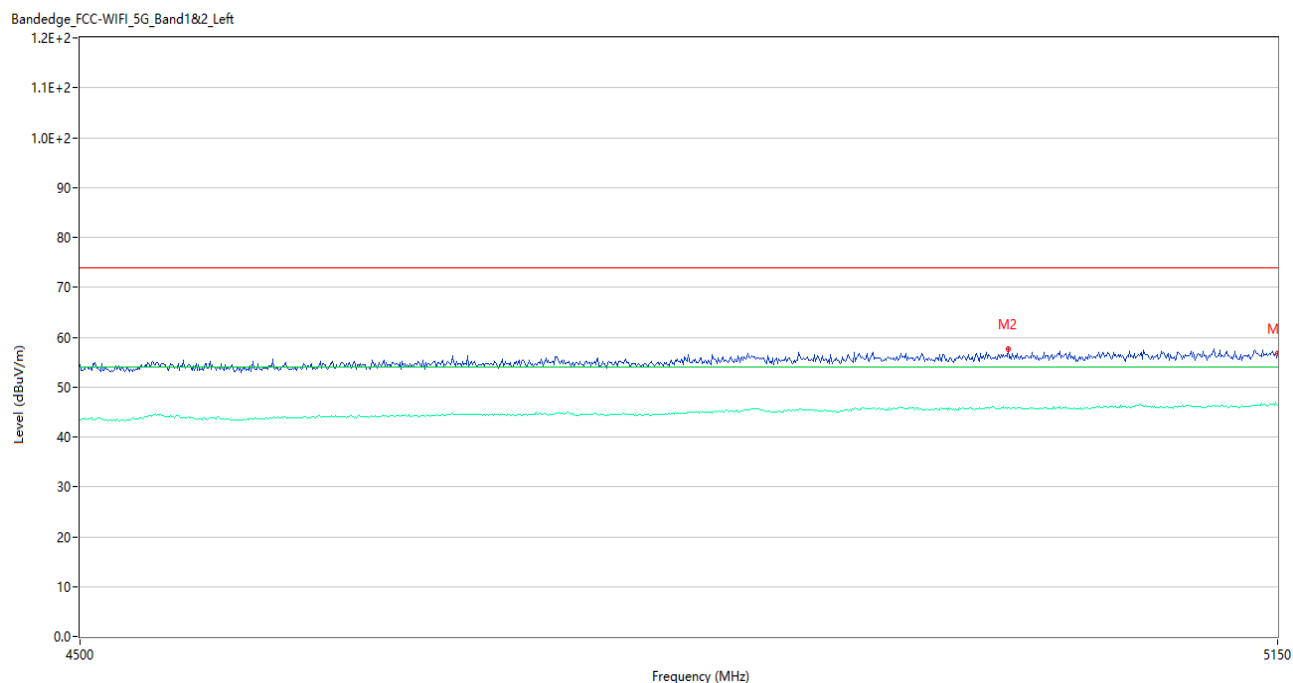
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.02	5.40	74.0	17.98	Peak	279.00	150	Horizontal	Pass
1**	5350.000	45.88	5.40	54.0	8.12	AV	279.00	150	Horizontal	Pass
2	5400.380	58.50	5.72	74.0	15.50	Peak	240.00	150	Horizontal	Pass
2**	5400.380	46.15	5.72	54.0	7.85	AV	240.00	150	Horizontal	Pass

U-NII-1 11n40 High Channel, ANT V



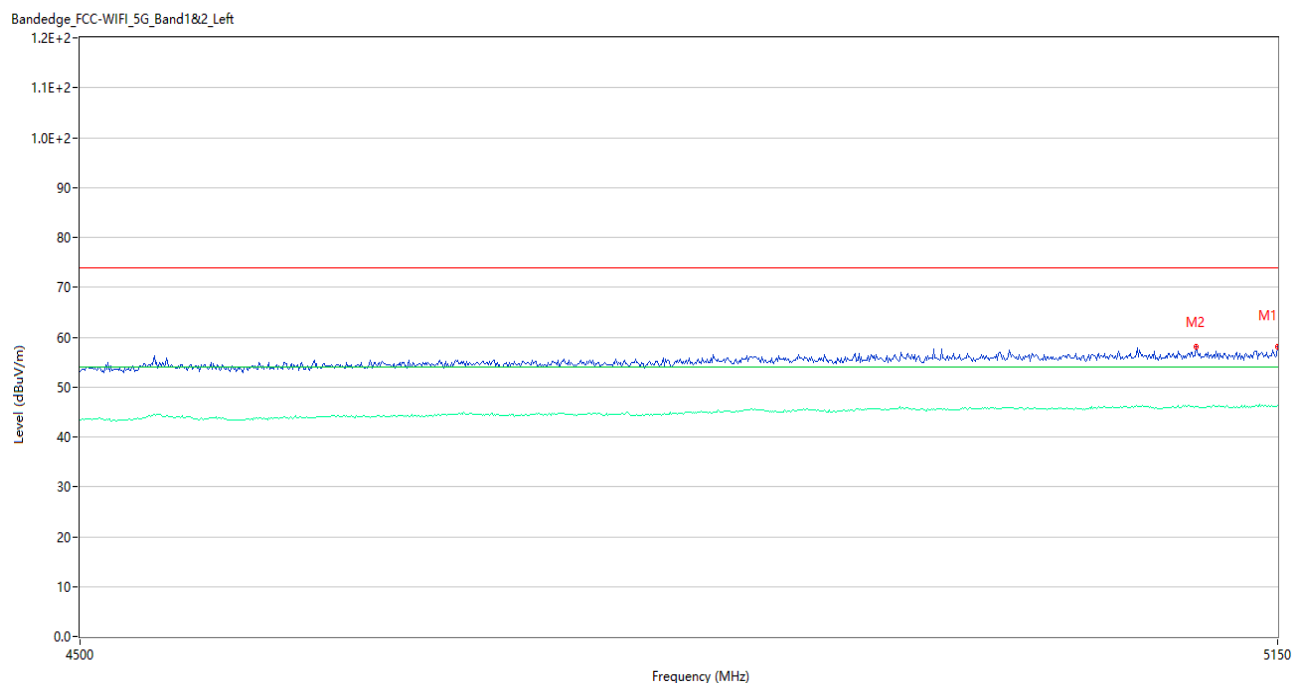
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.53	5.40	74.0	17.47	Peak	39.00	150	Vertical	Pass
1**	5350.000	45.98	5.40	54.0	8.02	AV	39.00	150	Vertical	Pass
2	5415.780	58.66	5.23	74.0	15.34	Peak	360.00	150	Vertical	Pass
2**	5415.780	46.23	5.23	54.0	7.77	AV	360.00	150	Vertical	Pass

U-NII-1 11ac80 Middle Channel, ANT H



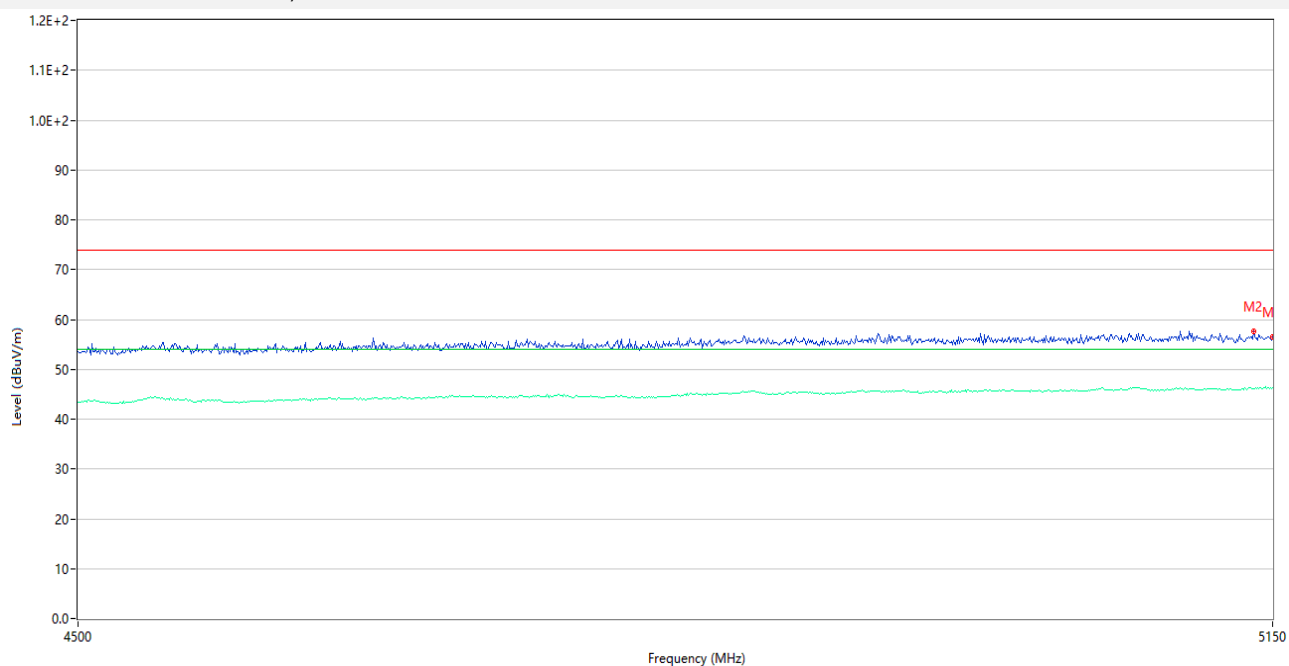
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.71	5.21	74.0	208.29	Peak	265.00	150	Horizontal	Pass
1**	5150.000	46.27	5.21	54.0	-46.27	AV	265.00	150	Horizontal	Pass
2	4995.950	57.65	5.07	74.0	16.35	Peak	170.00	150	Horizontal	Pass
2**	4995.950	45.80	5.07	54.0	8.20	AV	170.00	150	Horizontal	Pass

U-NII-1 11ac80 Middle Channel, ANT V



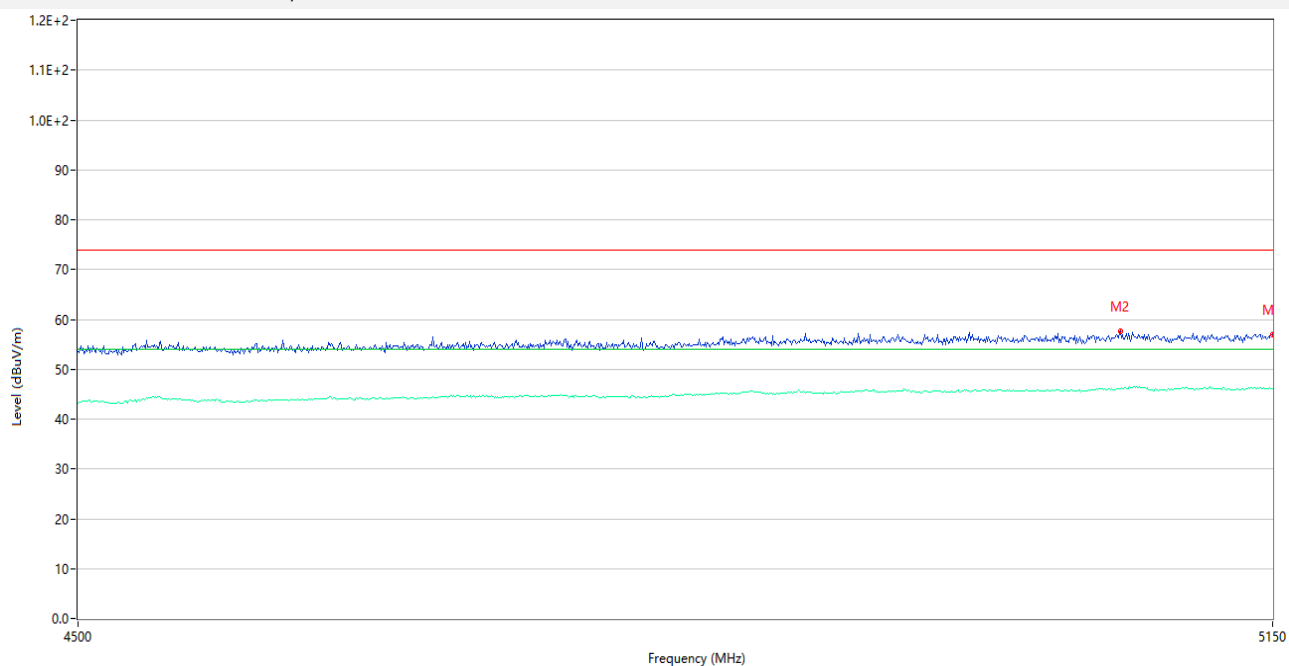
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	58.12	5.21	74.0	201.88	Peak	260.00	150	Vertical	Pass
1**	5150.000	46.23	5.21	54.0	-46.23	AV	260.00	150	Vertical	Pass
2	5103.200	58.02	5.22	74.0	15.98	Peak	49.00	150	Vertical	Pass
2**	5103.200	45.99	5.22	54.0	8.01	AV	49.00	150	Vertical	Pass

U-NII-2A 11a Low Channel, ANT H



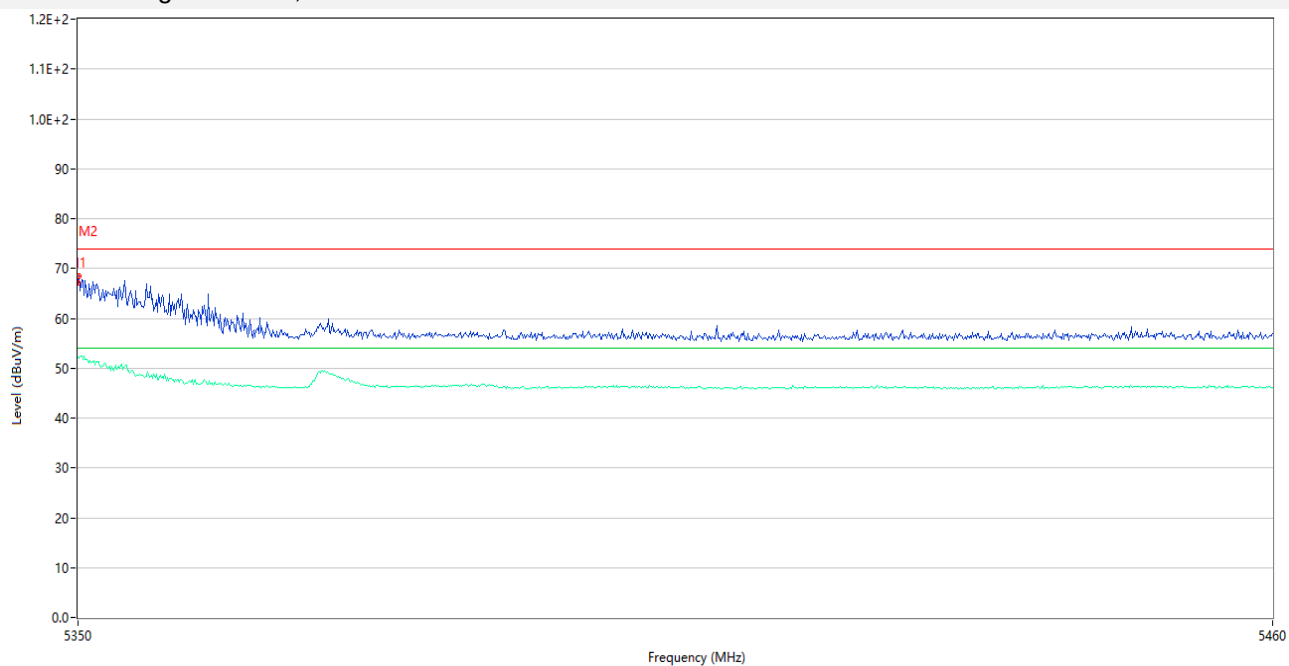
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.39	5.21	74.0	273.61	Peak	330.00	150	Horizontal	Pass
1**	5150.000	46.23	5.21	54.0	-46.23	AV	330.00	150	Horizontal	Pass
2	5138.950	57.58	5.58	74.0	16.42	Peak	316.00	150	Horizontal	Pass
2**	5138.950	46.14	5.58	54.0	7.86	AV	316.00	150	Horizontal	Pass

U-NII-2A 11a Low Channel, ANT V



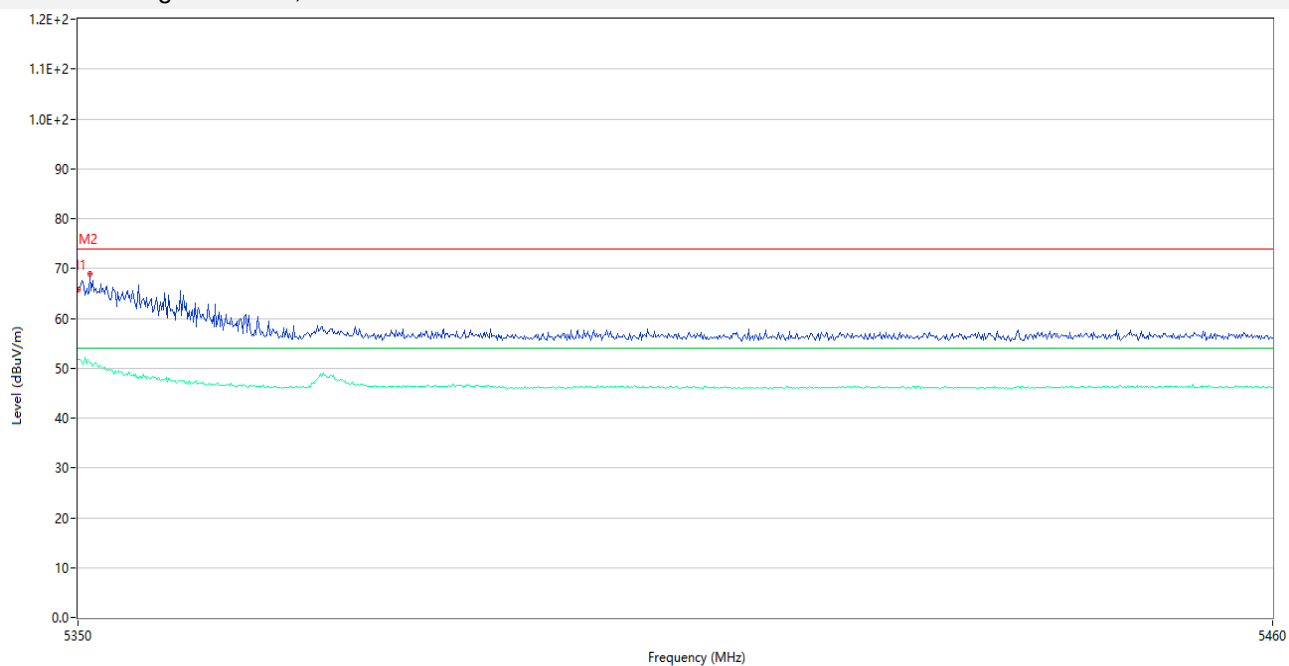
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.98	5.21	74.0	-22.98	Peak	34.00	150	Vertical	Pass
1**	5150.000	46.14	5.21	54.0	-46.14	AV	34.00	150	Vertical	Pass
2	5062.250	57.60	5.16	74.0	16.40	Peak	360.00	150	Vertical	Pass
2**	5062.250	46.18	5.16	54.0	7.82	AV	360.00	150	Vertical	Pass

U-NII-2A 11a High Channel, ANT H



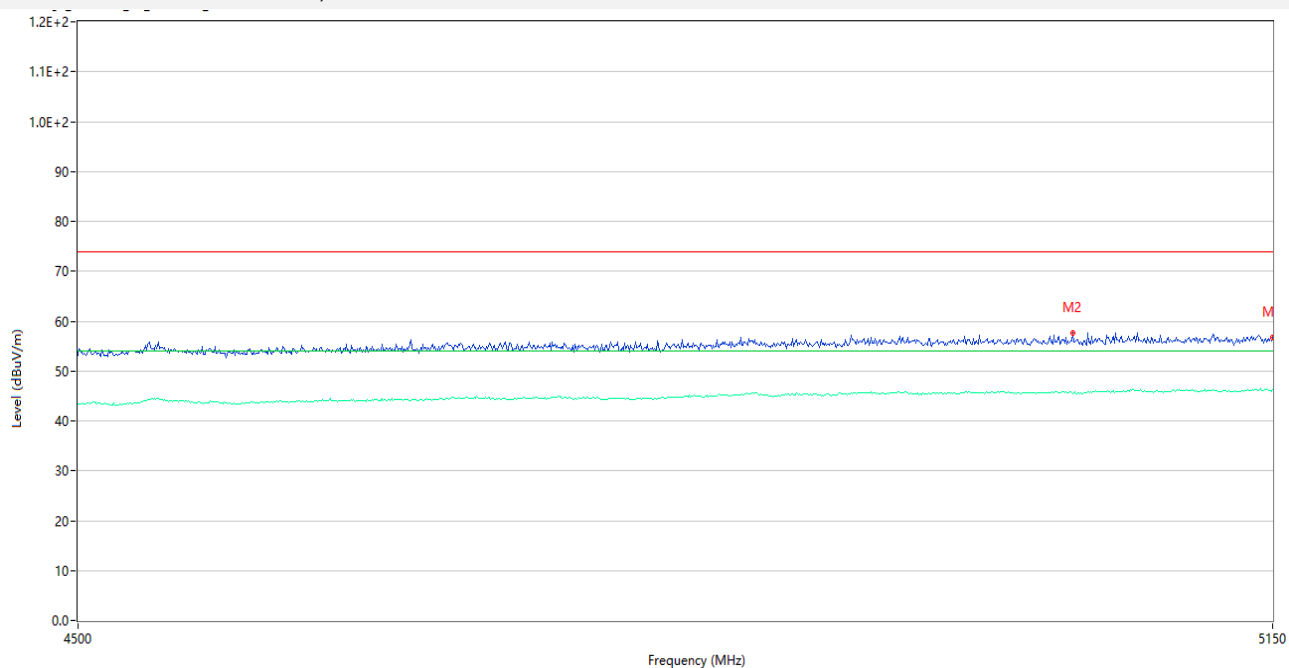
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	67.10	5.40	74.0	6.90	Peak	32.00	150	Horizontal	Pass
1**	5350.000	52.11	5.40	54.0	1.89	AV	32.00	150	Horizontal	Pass
2	5350.110	68.37	5.40	74.0	5.63	Peak	32.00	150	Horizontal	Pass
2**	5350.110	51.94	5.40	54.0	2.06	AV	32.00	150	Horizontal	Pass

U-NII-2A 11a High Channel, ANT V



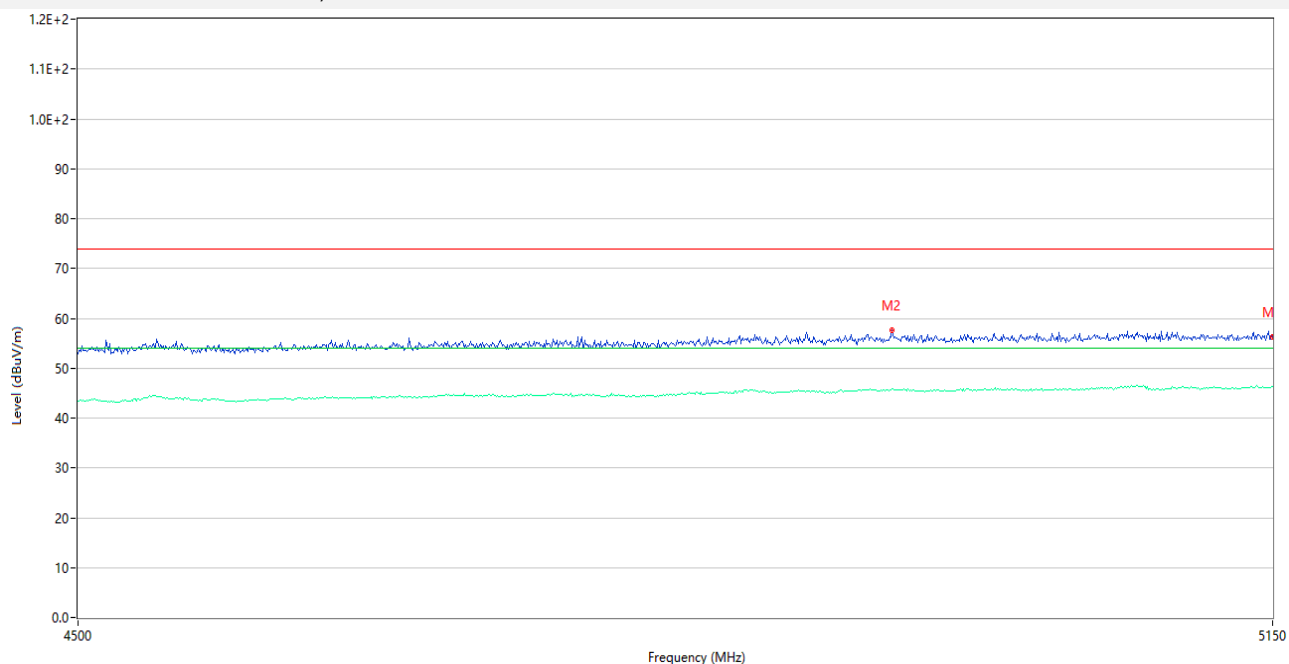
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	65.70	5.40	74.0	8.30	Peak	91.00	150	Vertical	Pass
1**	5350.000	51.73	5.40	54.0	2.27	AV	91.00	150	Vertical	Pass
2	5351.100	69.01	5.43	74.0	4.99	Peak	48.00	150	Vertical	Pass
2**	5351.100	51.18	5.43	54.0	2.82	AV	48.00	150	Vertical	Pass

U-NII-2A 11n20 Low Channel, ANT H



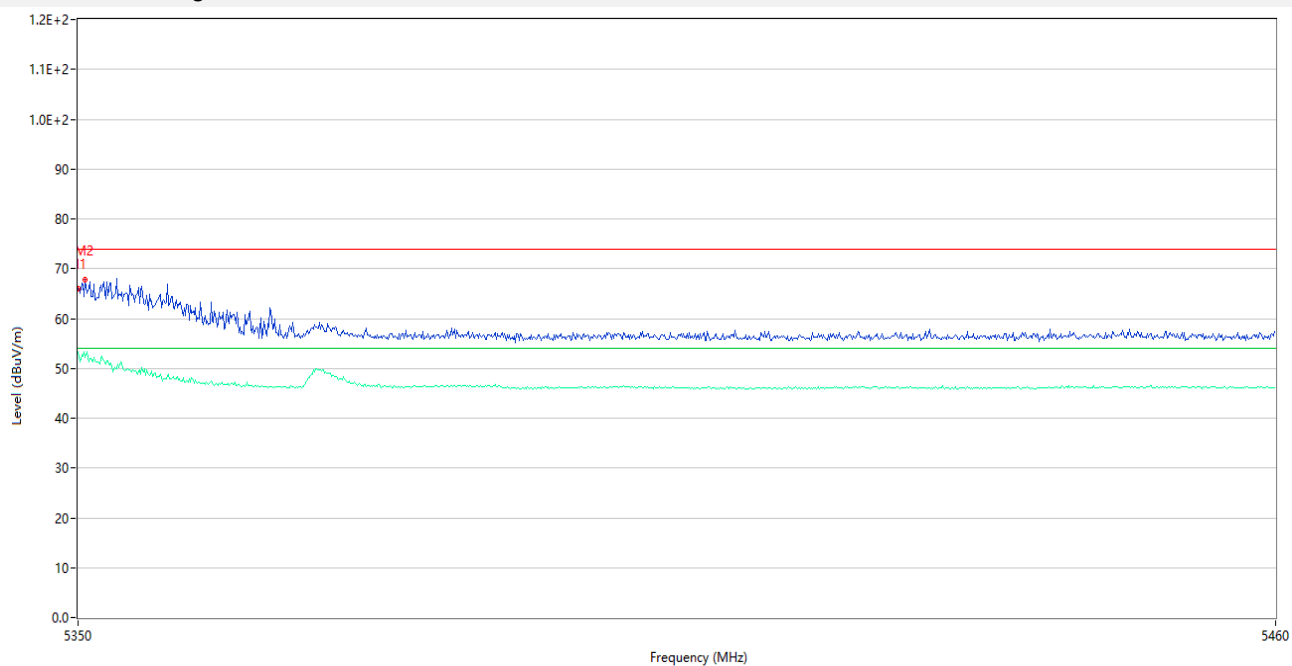
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.81	5.21	74.0	111.19	Peak	168.00	150	Horizontal	Pass
1**	5150.000	46.26	5.21	54.0	-46.26	AV	168.00	150	Horizontal	Pass
2	5034.950	57.72	5.01	74.0	16.28	Peak	231.00	150	Horizontal	Pass
2**	5034.950	45.48	5.01	54.0	8.52	AV	231.00	150	Horizontal	Pass

U-NII-2A 11n20 Low Channel, ANT V



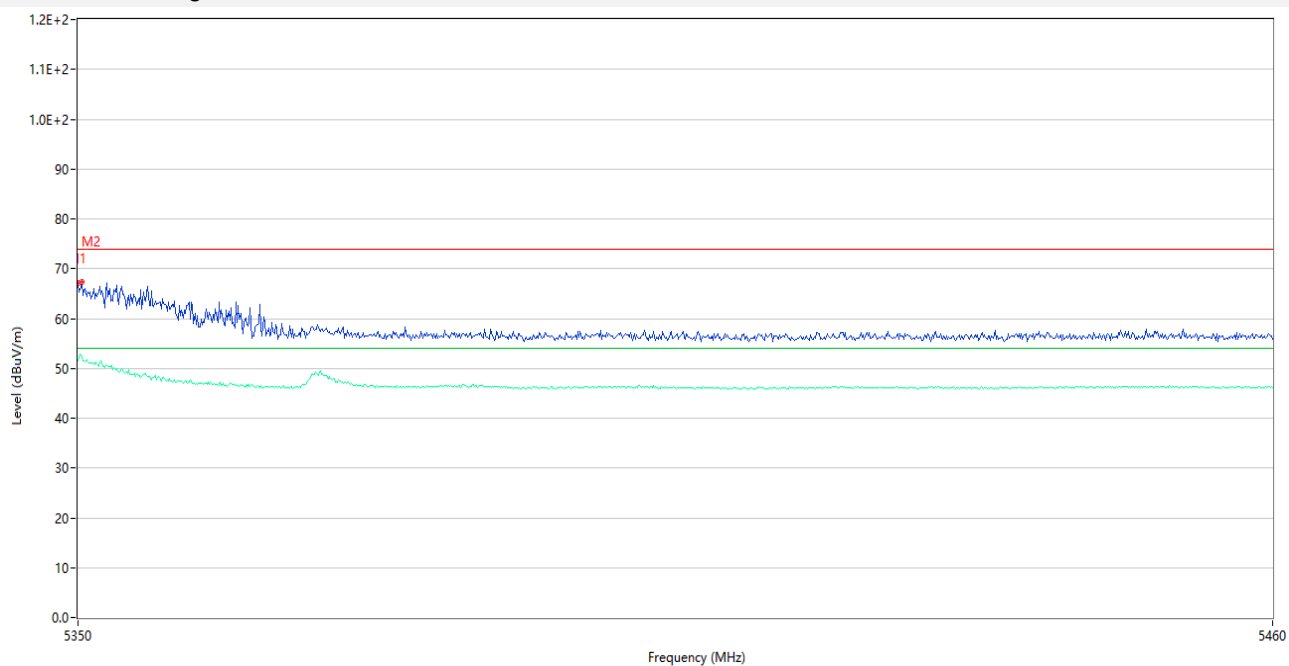
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.31	5.21	74.0	-49.31	Peak	7.00	150	Vertical	Pass
1**	5150.000	46.22	5.21	54.0	-46.22	AV	7.00	150	Vertical	Pass
2	4933.550	57.63	4.91	74.0	16.37	Peak	279.00	150	Vertical	Pass
2**	4933.550	45.78	4.91	54.0	8.22	AV	279.00	150	Vertical	Pass

U-NII-2A 11n20 High Channel, ANT H



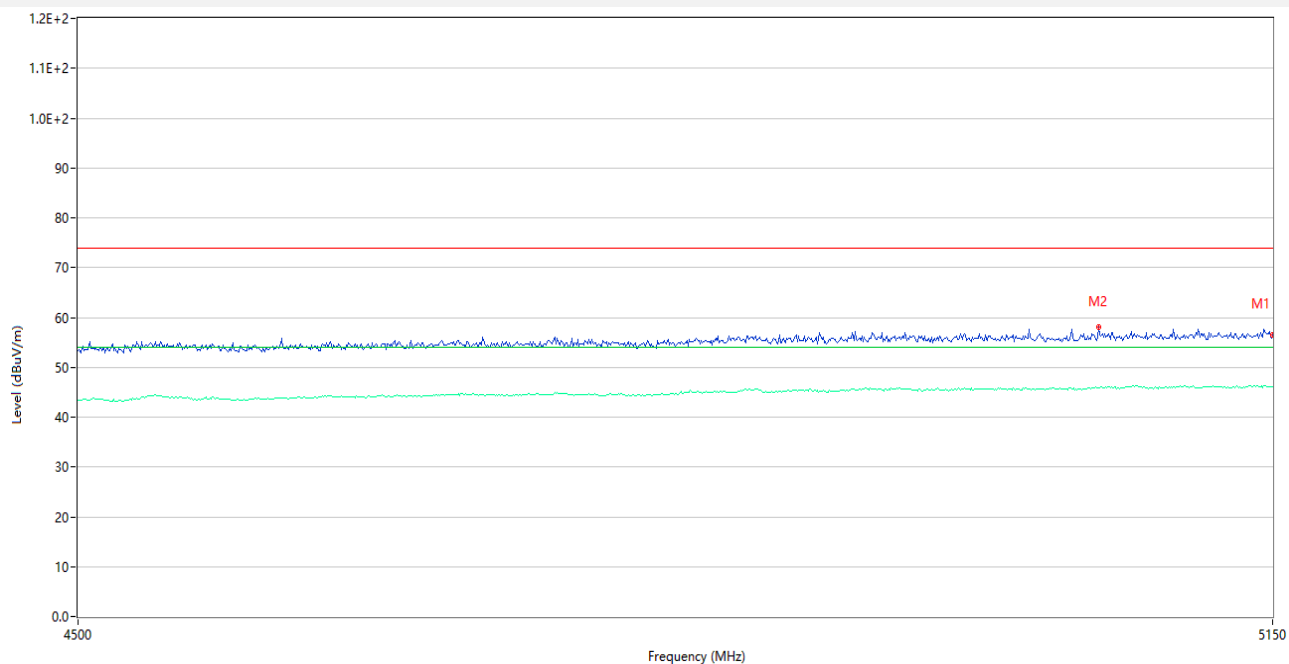
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	66.02	5.40	74.0	7.98	Peak	36.00	150	Horizontal	Pass
1**	5350.000	53.38	5.40	54.0	0.62	AV	36.00	150	Horizontal	Pass
2	5350.660	67.73	5.42	74.0	6.27	Peak	34.00	150	Horizontal	Pass
2**	5350.660	52.18	5.42	54.0	1.82	AV	34.00	150	Horizontal	Pass

U-NII-2A 11n20 High Channel, ANT V



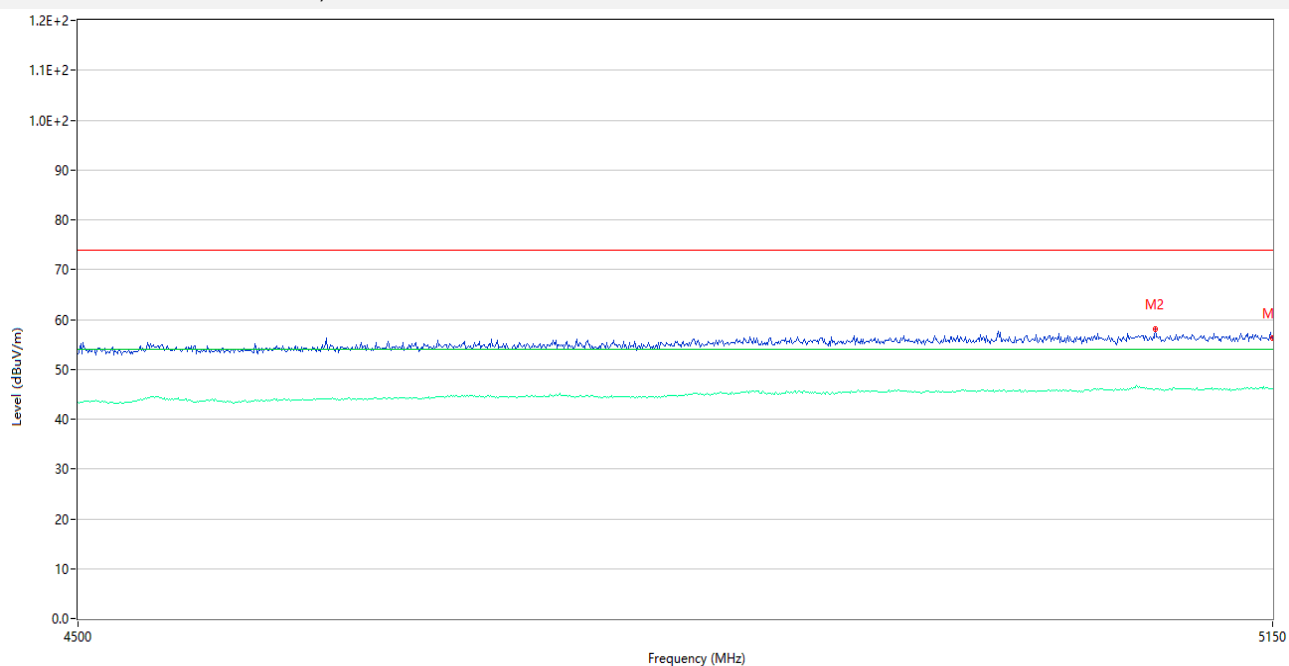
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	67.15	5.40	74.0	6.85	Peak	95.00	150	Vertical	Pass
1**	5350.000	51.60	5.40	54.0	2.40	AV	95.00	150	Vertical	Pass
2	5350.330	67.31	5.41	74.0	6.69	Peak	286.00	150	Vertical	Pass
2**	5350.330	52.52	5.41	54.0	1.48	AV	286.00	150	Vertical	Pass

U-NII-2A 11n40 Low Channel, ANT H



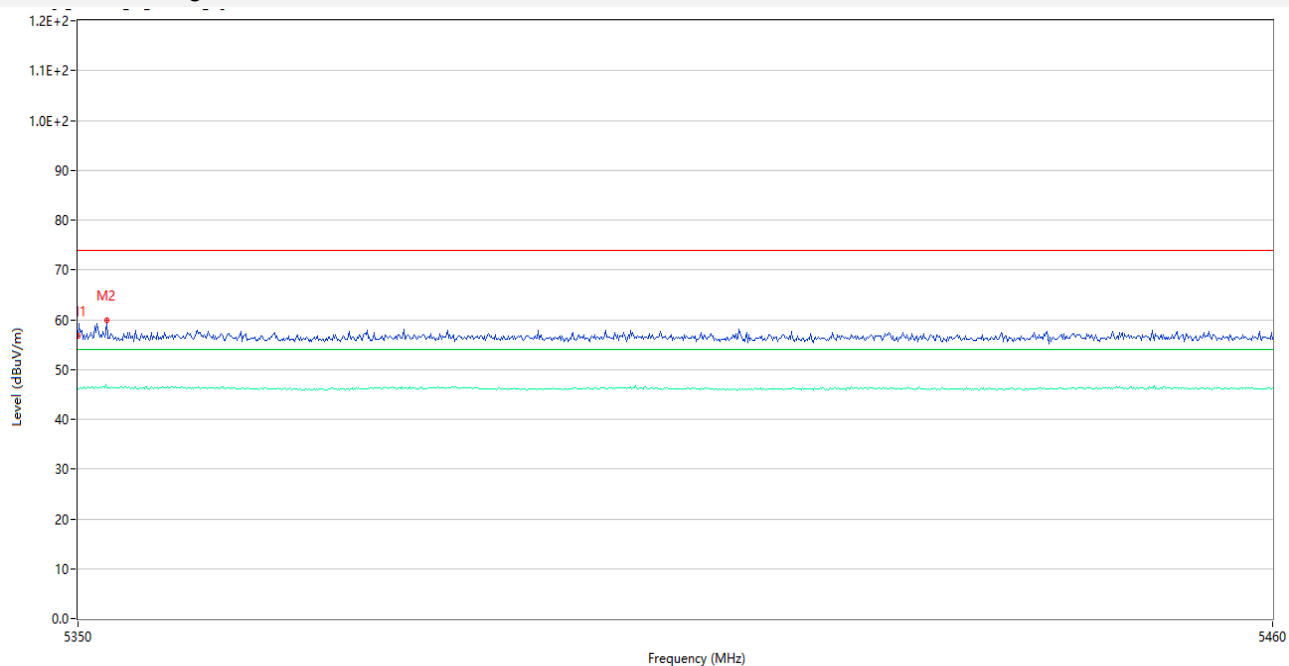
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.44	5.21	74.0	-42.44	Peak	14.00	150	Horizontal	Pass
1**	5150.000	46.15	5.21	54.0	-46.15	AV	14.00	150	Horizontal	Pass
2	5049.900	58.17	5.13	74.0	15.83	Peak	1.00	150	Horizontal	Pass
2**	5049.900	45.95	5.13	54.0	8.05	AV	1.00	150	Horizontal	Pass

U-NII-2A 11n40 Low Channel, ANT V



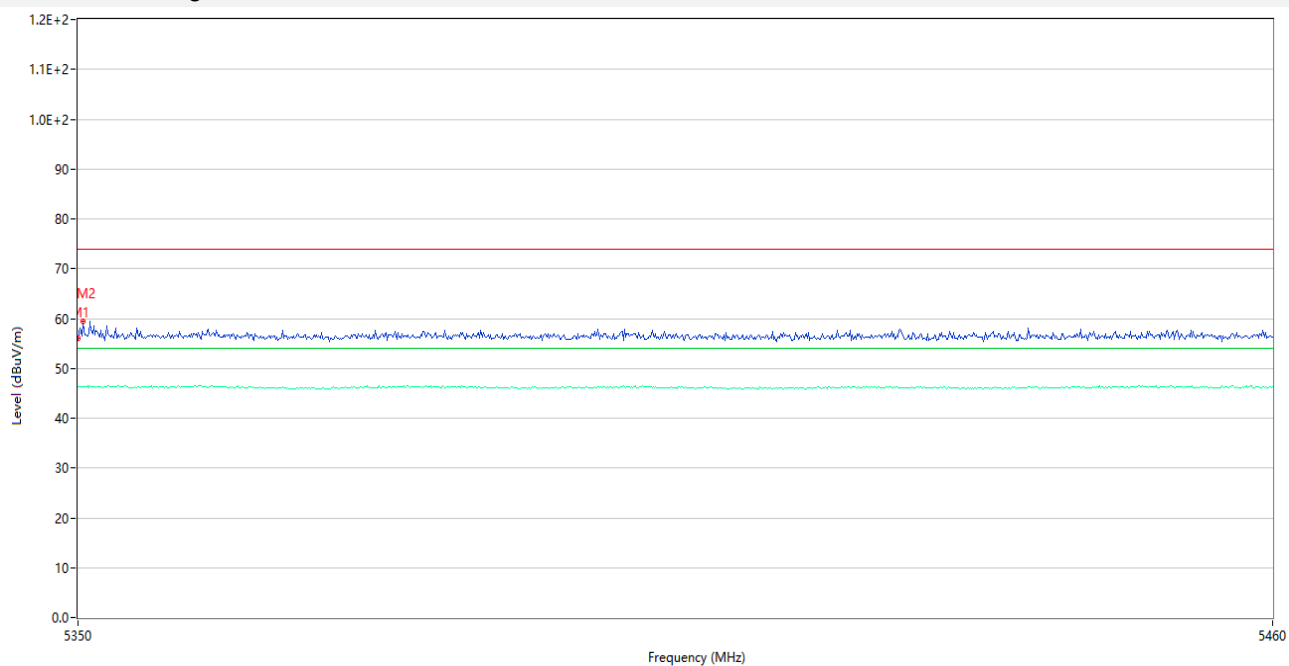
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.28	5.21	74.0	15.72	Peak	72.00	150	Vertical	Pass
1**	5150.000	46.07	5.21	54.0	-46.07	AV	72.00	150	Vertical	Pass
2	5082.400	58.09	4.89	74.0	15.91	Peak	360.00	150	Vertical	Pass
2**	5082.400	46.05	4.89	54.0	7.95	AV	360.00	150	Vertical	Pass

U-NII-2A 11n40 High Channel, ANT H



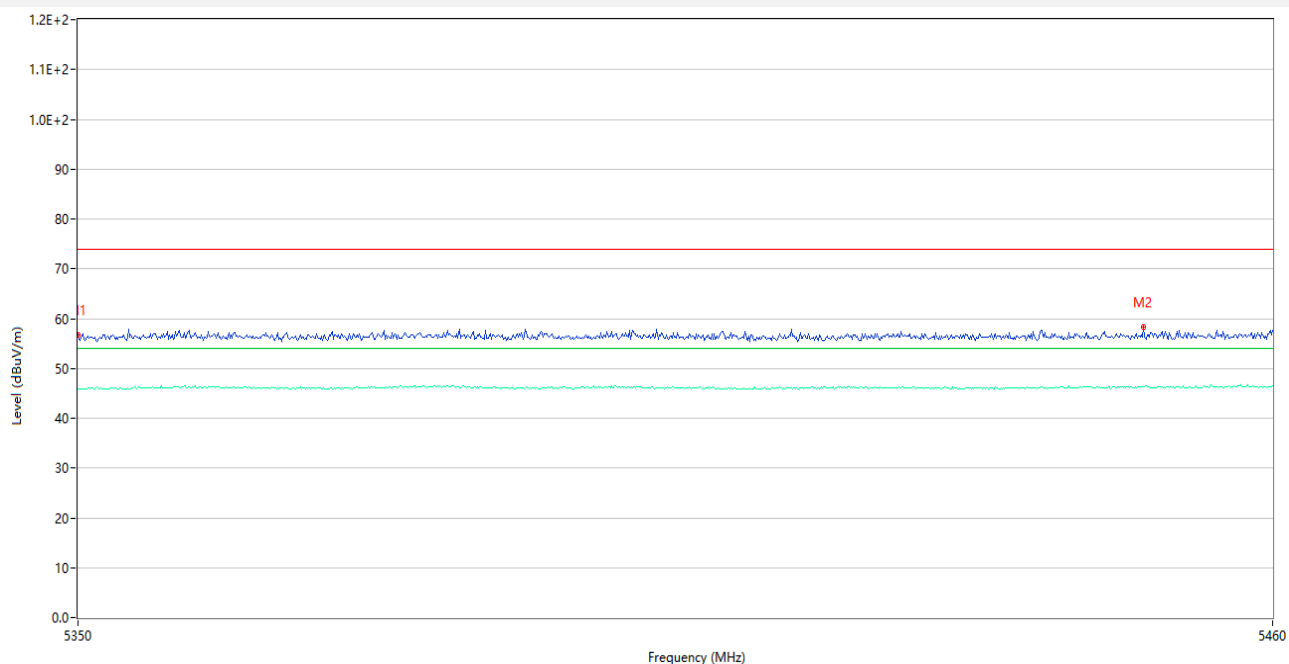
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.61	5.40	74.0	17.39	Peak	39.00	150	Horizontal	Pass
1**	5350.000	46.09	5.40	54.0	7.91	AV	39.00	150	Horizontal	Pass
2	5352.640	59.93	5.47	74.0	14.07	Peak	34.00	150	Horizontal	Pass
2**	5352.640	46.33	5.47	54.0	7.67	AV	34.00	150	Horizontal	Pass

U-NII-2A 11n40 High Channel, ANT V



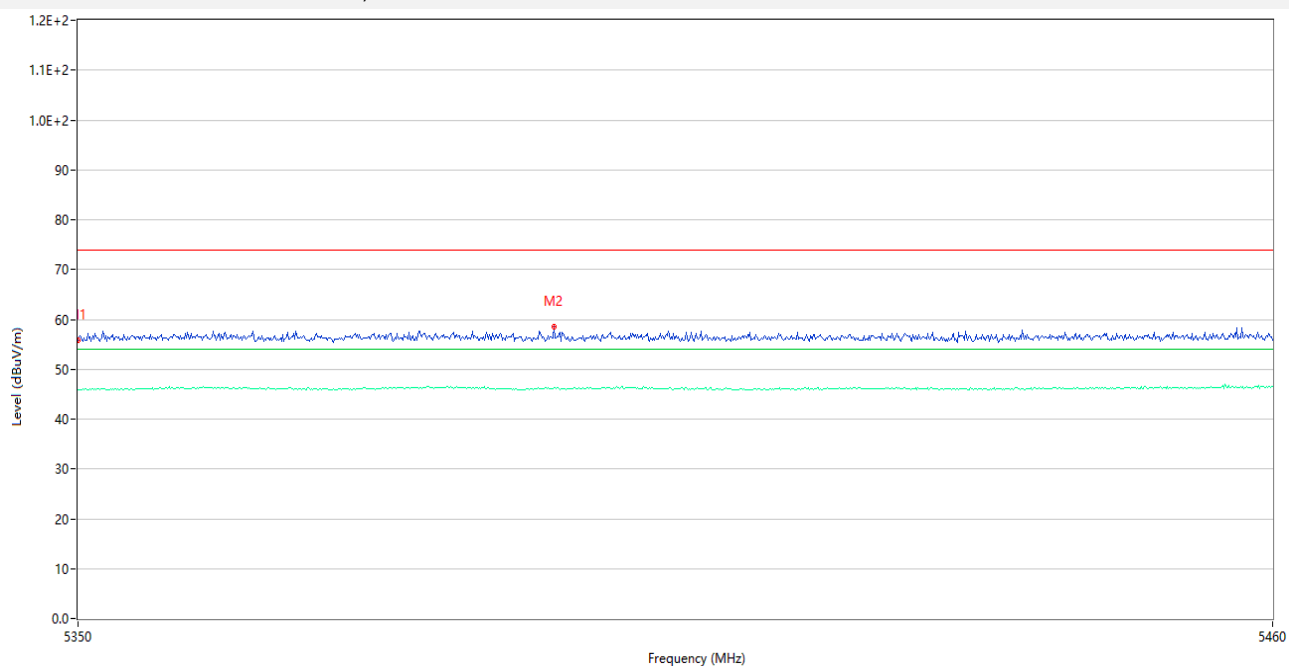
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.02	5.40	74.0	17.98	Peak	65.00	150	Vertical	Pass
1**	5350.000	46.27	5.40	54.0	7.73	AV	65.00	150	Vertical	Pass
2	5350.440	59.53	5.41	74.0	14.47	Peak	331.00	150	Vertical	Pass
2**	5350.440	46.25	5.41	54.0	7.75	AV	331.00	150	Vertical	Pass

U-NII-2A 11ac80 Middle Channel, ANT H



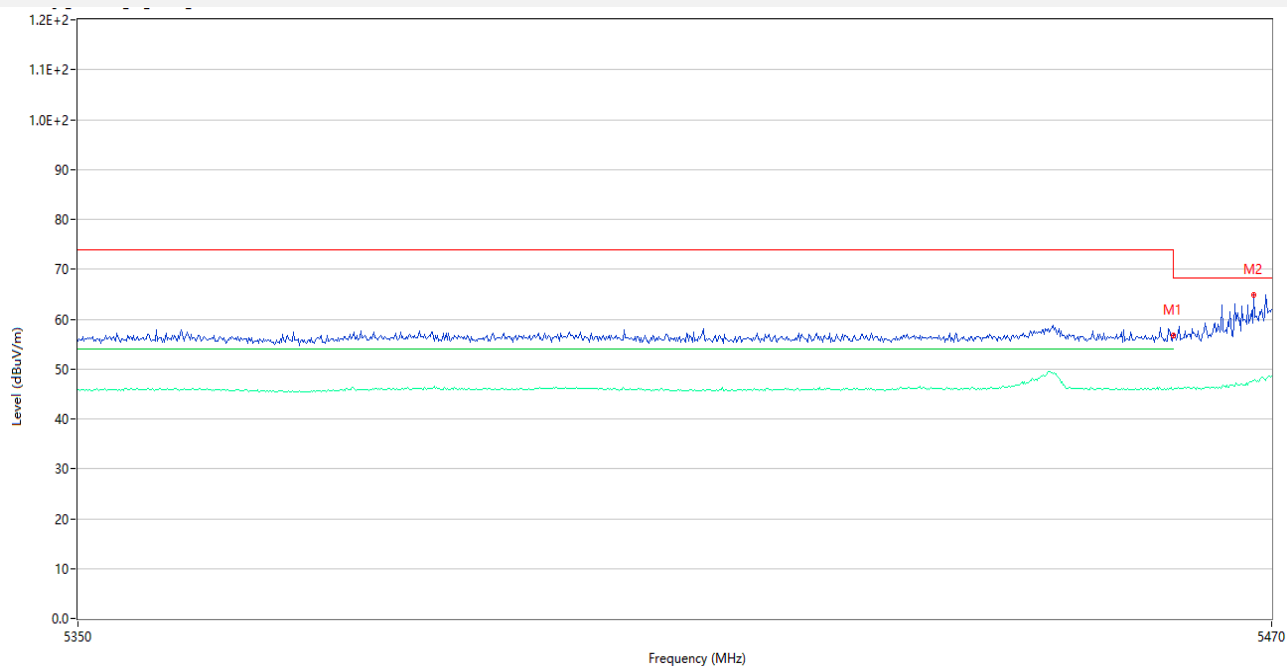
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.67	5.40	74.0	17.33	Peak	16.00	150	Horizontal	Pass
1**	5350.000	45.95	5.40	54.0	8.05	AV	16.00	150	Horizontal	Pass
2	5448.010	58.23	5.60	74.0	15.77	Peak	83.00	150	Horizontal	Pass
2**	5448.010	46.22	5.60	54.0	7.78	AV	83.00	150	Horizontal	Pass

U-NII-2A 11ac80 Middle Channel, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.78	5.40	74.0	18.22	Peak	196.00	150	Vertical	Pass
1**	5350.000	45.98	5.40	54.0	8.02	AV	196.00	150	Vertical	Pass
2	5393.560	58.63	5.62	74.0	15.37	Peak	119.00	150	Vertical	Pass
2**	5393.560	46.25	5.62	54.0	7.75	AV	119.00	150	Vertical	Pass

U-NII-2C 11a Low Channel, ANT H



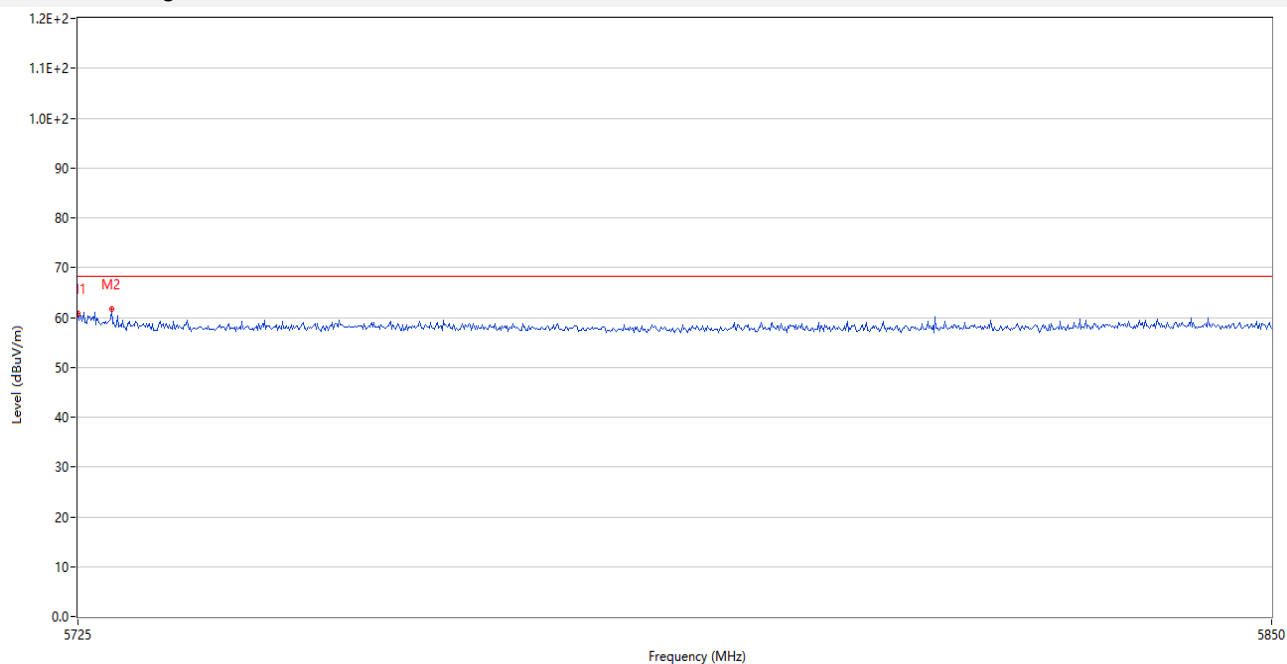
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	56.37	5.38	68.2	11.83	Peak	312.57	150	Horizontal	Pass
1**	5460.000	45.91	5.38	54.0	8.09	AV	312.57	150	Horizontal	Pass
2	5468.200	64.95	5.74	68.2	3.25	Peak	312.00	150	Horizontal	Pass
2**	5468.200	47.58	5.74	--	-47.58	AV	312.00	150	Horizontal	N/A

U-NII-2C 11a Low Channel, ANT V



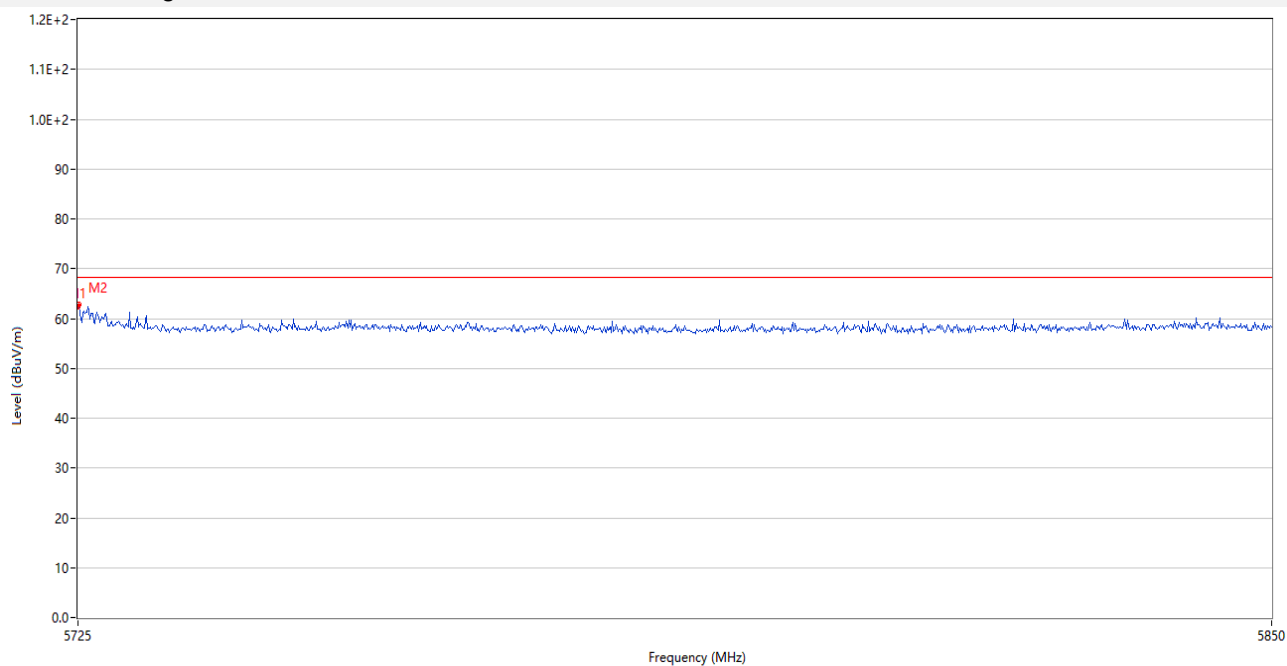
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	56.07	5.38	68.2	12.13	Peak	272.17	150	Vertical	Pass
1**	5460.000	46.03	5.38	54.0	7.97	AV	272.17	150	Vertical	Pass
2	5469.400	64.61	5.80	68.2	3.59	Peak	16.00	150	Vertical	Pass
2**	5469.400	47.59	5.80	--	-47.59	AV	16.00	150	Vertical	N/A

U-NII-2C 11a High Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	60.71	6.57	68.2	7.49	Peak	291.00	150	Horizontal	Pass
2	5728.500	61.64	6.45	68.2	6.56	Peak	315.00	150	Horizontal	Pass

U-NII-2C 11a High Channel, ANT V



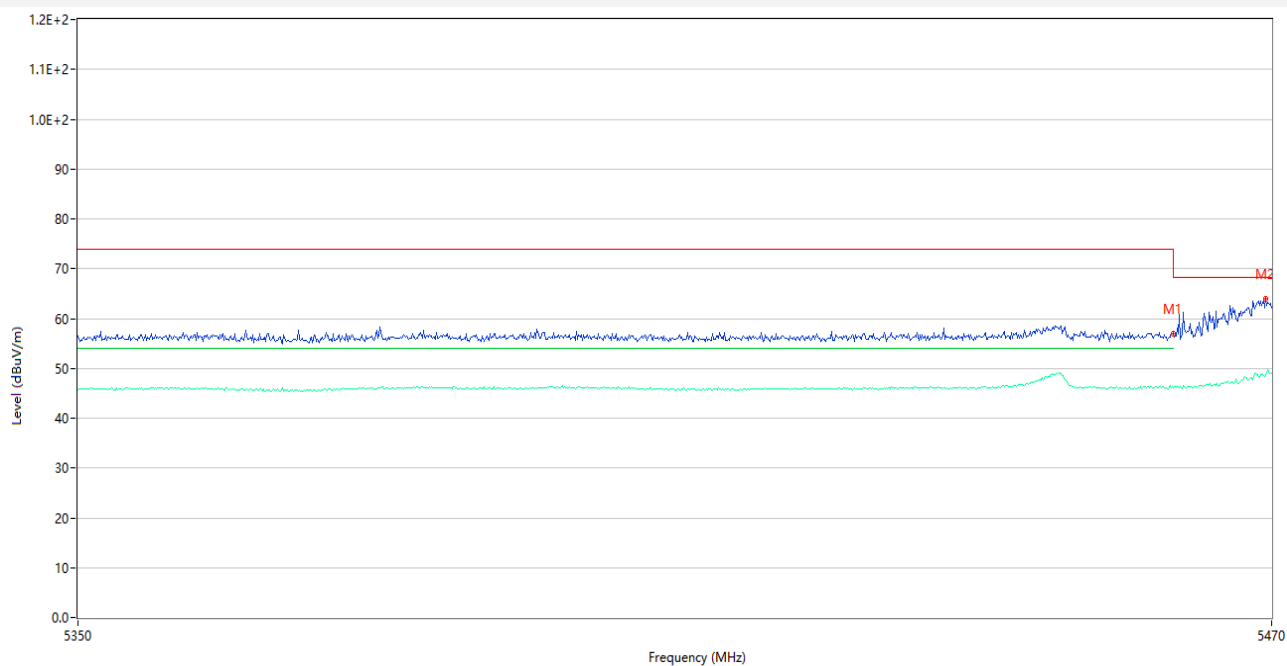
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	62.38	6.57	68.2	5.82	Peak	37.00	150	Vertical	Pass
2	5725.125	62.73	6.57	68.2	5.47	Peak	6.00	150	Vertical	Pass

U-NII-2C 11n20 Low Channel, ANT H



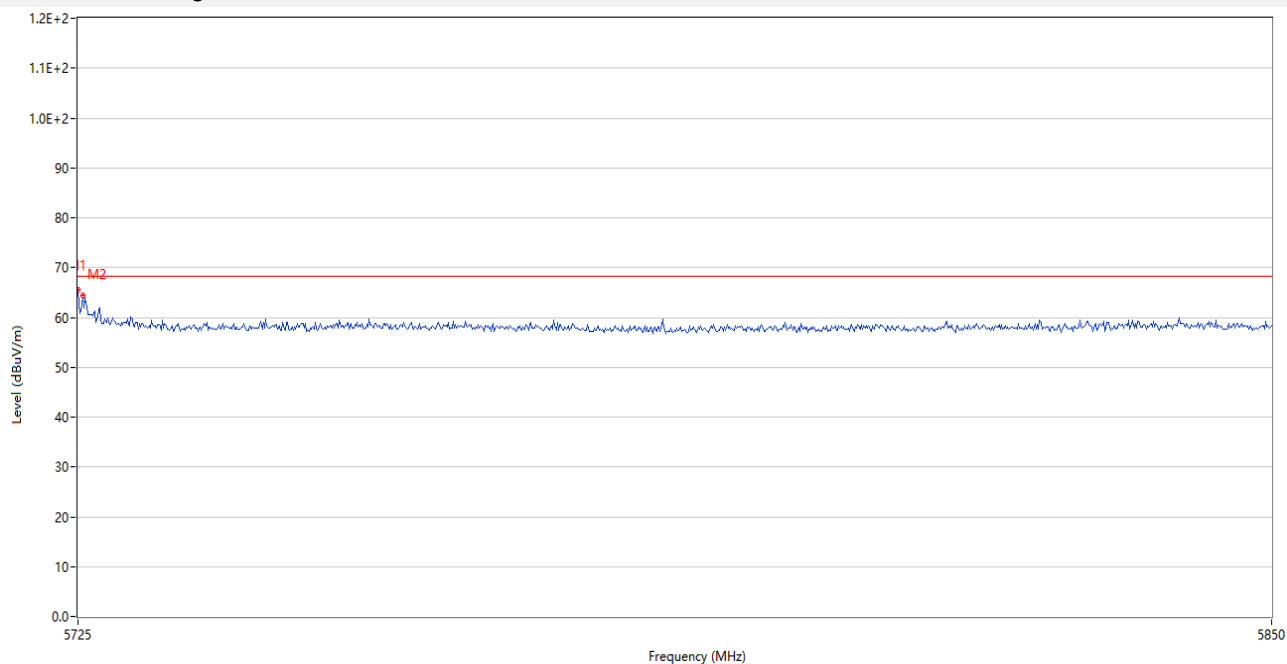
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	56.33	5.38	68.2	11.87	Peak	293.69	150	Horizontal	Pass
1**	5460.000	45.97	5.38	54.0	8.03	AV	293.69	150	Horizontal	Pass
2	5468.200	65.79	5.74	68.2	2.41	Peak	310.00	150	Horizontal	Pass
2**	5468.200	48.47	5.74	--	-48.47	AV	310.00	150	Horizontal	N/A

U-NII-2C 11n20 Low Channel, ANT V



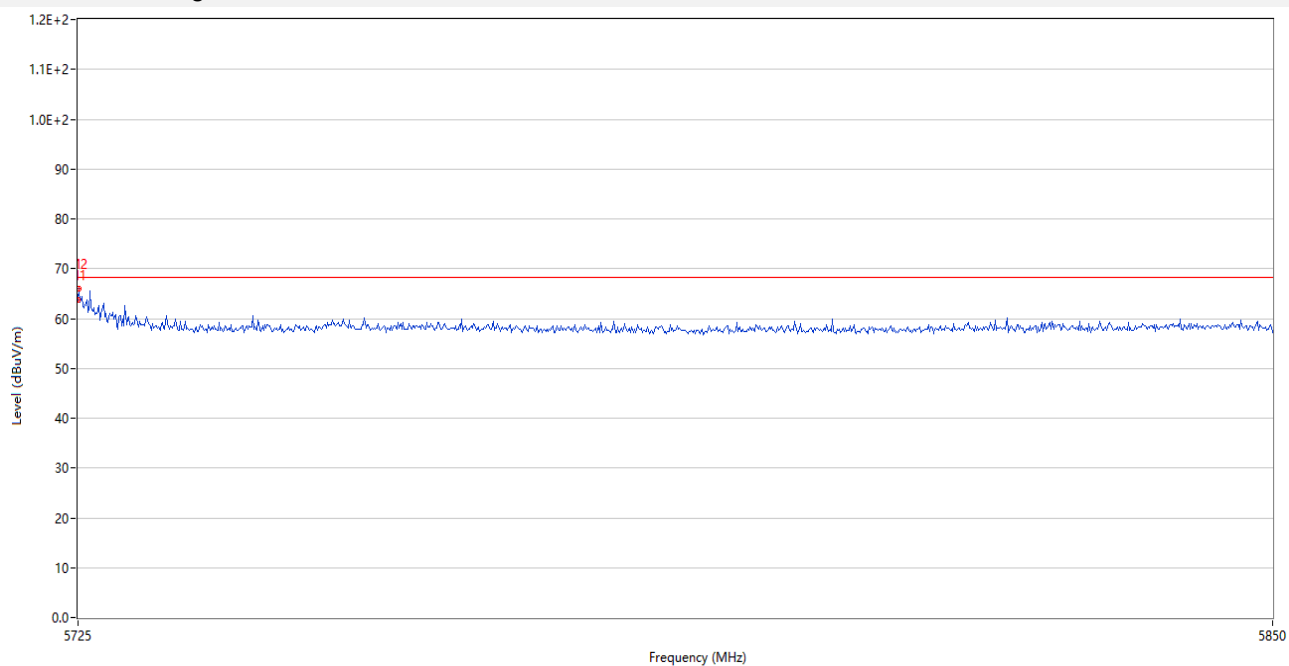
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	56.76	5.38	68.2	11.44	Peak	256.45	150	Vertical	Pass
1**	5460.000	46.05	5.38	54.0	7.95	AV	256.45	150	Vertical	Pass
2	5469.400	63.84	5.80	68.2	4.36	Peak	17.00	150	Vertical	Pass
2**	5469.400	48.69	5.80	--	-48.69	AV	17.00	150	Vertical	N/A

U-NII-2C 11n20 High Channel, ANT H



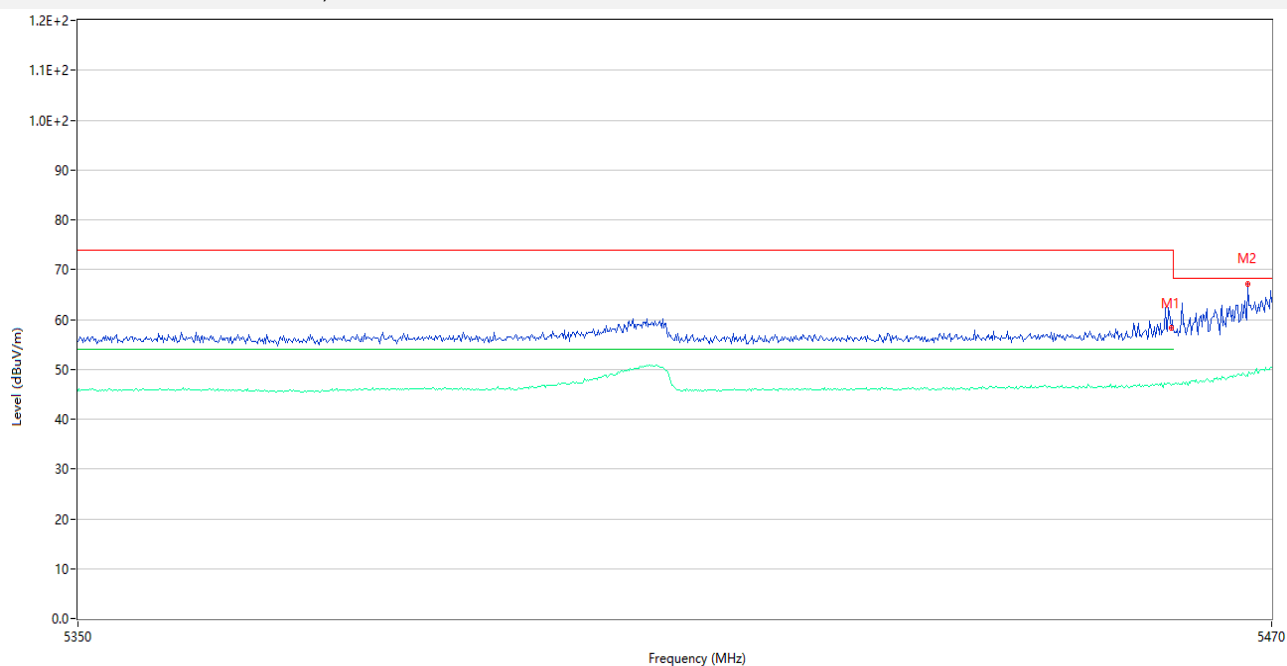
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	65.43	6.57	68.2	2.77	Peak	294.00	150	Horizontal	Pass
2	5725.500	64.38	6.56	68.2	3.82	Peak	310.00	150	Horizontal	Pass

U-NII-2C 11n20 High Channel, ANT V



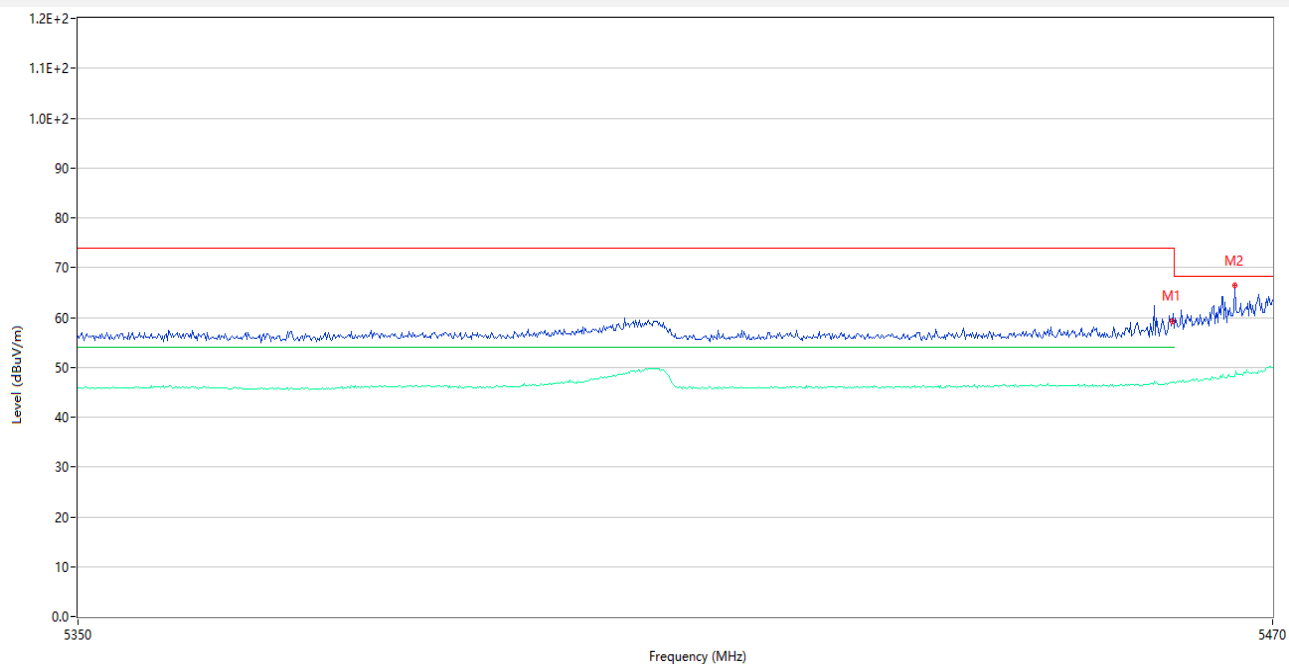
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	63.75	6.57	68.2	4.45	Peak	0.00	150	Vertical	Pass
2	5725.125	65.91	6.57	68.2	2.29	Peak	344.00	150	Vertical	Pass

U-NII-2C 11n40 Low Channel, ANT H



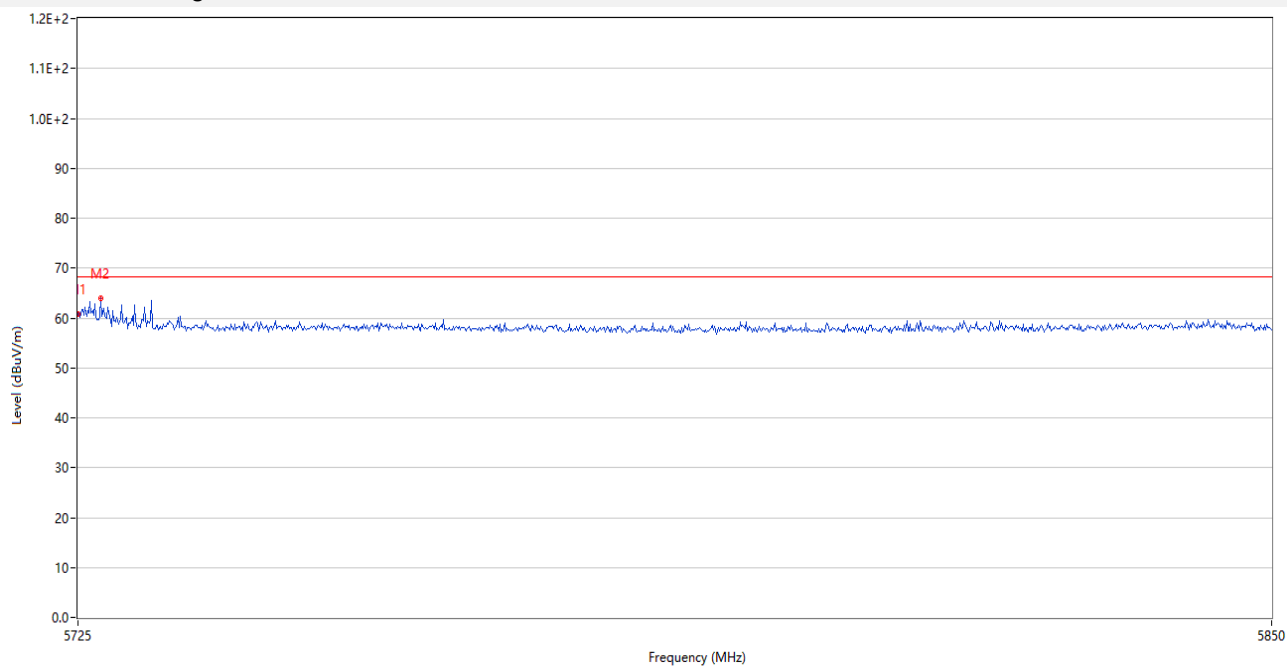
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	58.72	5.38	68.2	9.48	Peak	313.00	150	Horizontal	Pass
1**	5460.000	47.04	5.38	54.0	6.96	AV	313.00	150	Horizontal	Pass
2	5467.600	67.20	5.69	68.2	1.00	Peak	300.00	150	Horizontal	Pass
2**	5467.600	48.67	5.69	--	-48.67	AV	300.00	150	Horizontal	N/A

U-NII-2C 11n40 Low Channel, ANT V



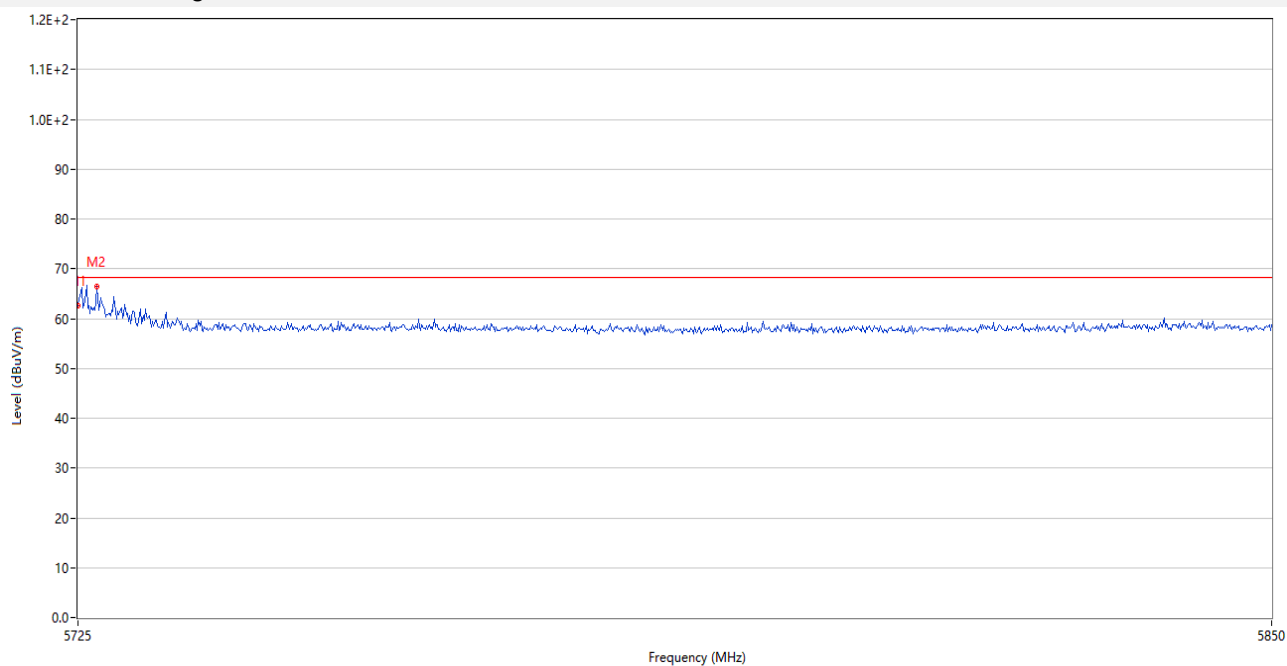
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	58.86	5.38	68.2	9.34	Peak	26.64	150	Vertical	Pass
1**	5460.000	47.07	5.38	54.0	6.93	AV	26.64	150	Vertical	Pass
2	5466.160	66.41	5.62	68.2	1.79	Peak	23.00	150	Vertical	Pass
2**	5466.160	48.19	5.62	--	-48.19	AV	23.00	150	Vertical	N/A

U-NII-2C 11n40 High Channel, ANT H



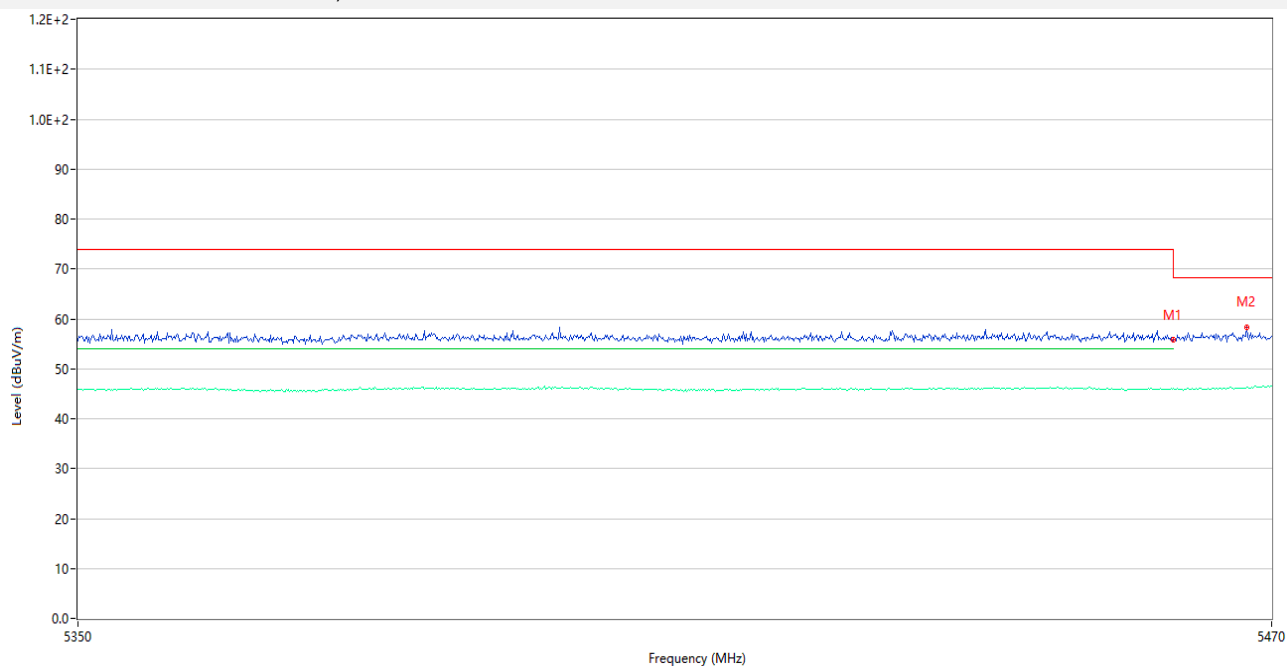
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	60.90	6.57	68.2	7.30	Peak	341.00	150	Horizontal	Pass
2	5727.375	63.90	6.51	68.2	4.30	Peak	310.00	150	Horizontal	Pass

U-NII-2C 11n40 High Channel, ANT V



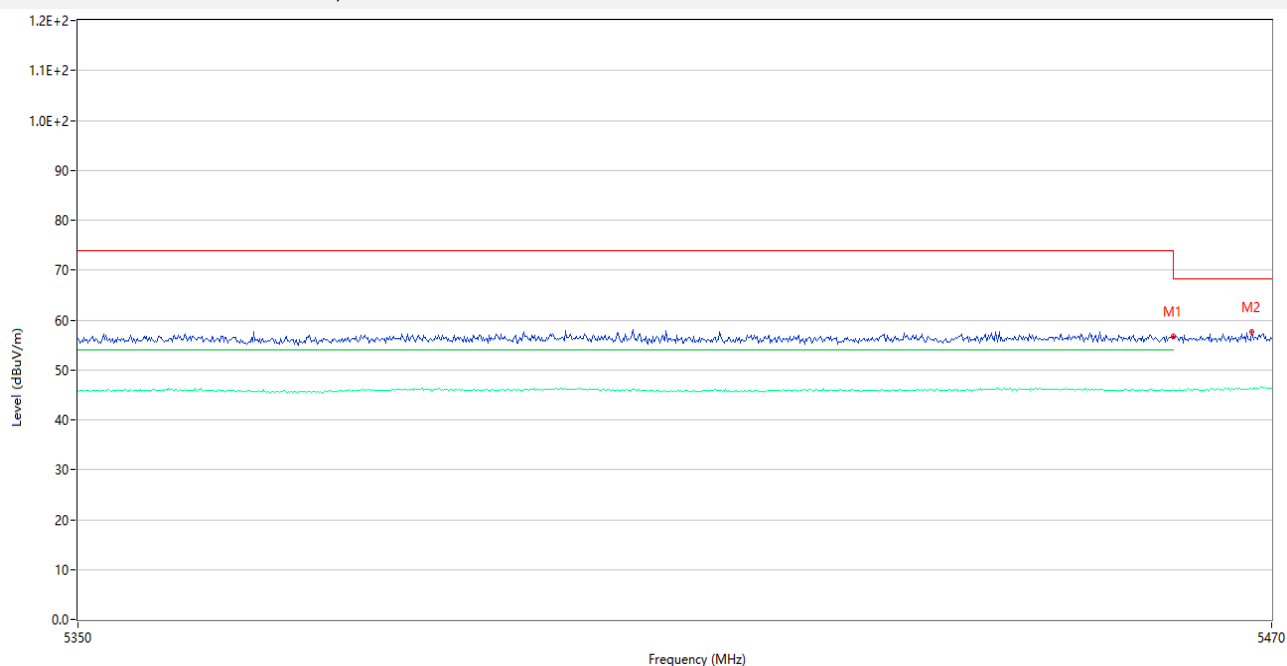
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	62.51	6.57	68.2	5.69	Peak	209.00	150	Vertical	Pass
2	5727.000	66.35	6.52	68.2	1.85	Peak	323.00	150	Vertical	Pass

U-NII-2C 11ac80 Low Channel, ANT H



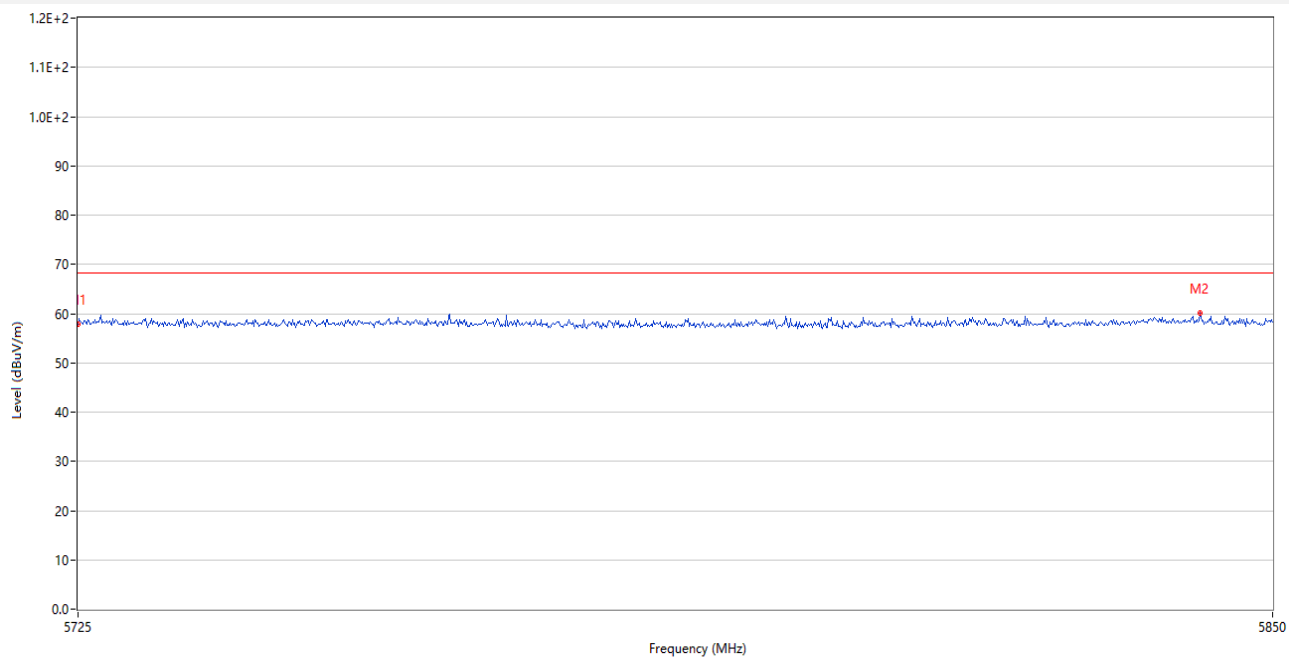
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	55.82	5.38	68.2	12.38	Peak	37.70	150	Horizontal	Pass
1**	5460.000	45.95	5.38	54.0	8.05	AV	37.70	150	Horizontal	Pass
2	5467.480	58.21	5.68	68.2	9.99	Peak	5.00	150	Horizontal	Pass
2**	5467.480	46.34	5.68	--	-46.34	AV	5.00	150	Horizontal	N/A

U-NII-2C 11ac80 Low Channel, ANT V



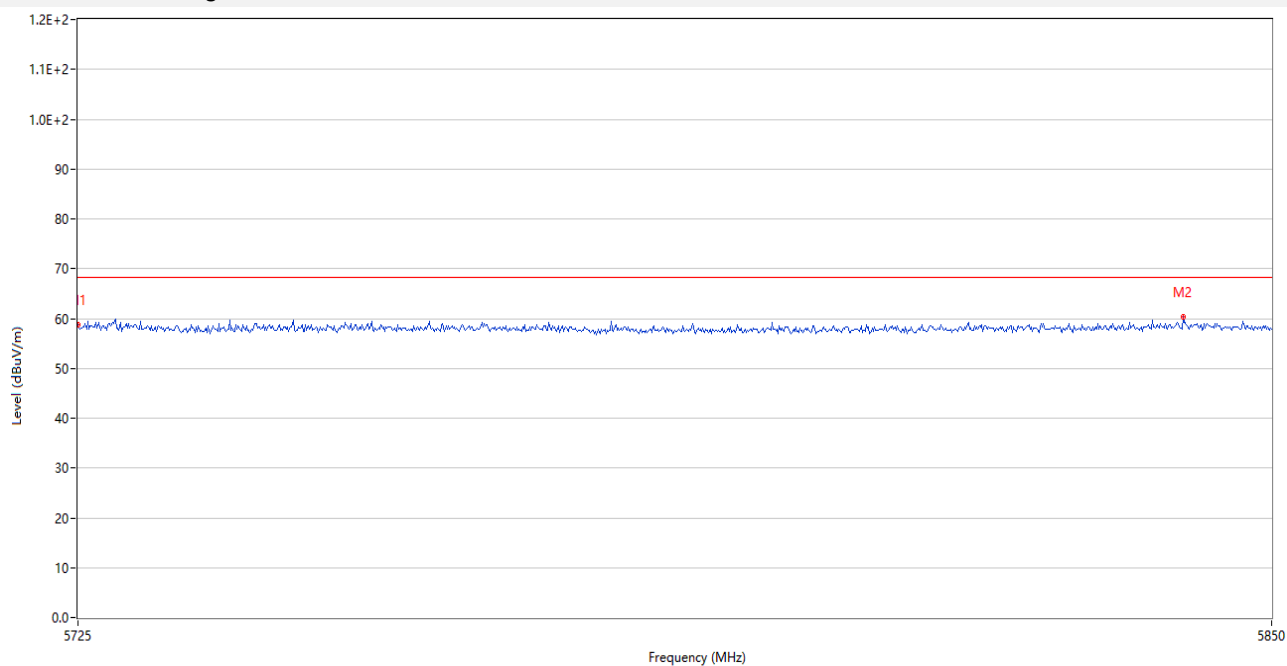
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	56.54	5.38	68.2	11.66	Peak	226.64	150	Vertical	Pass
1**	5460.000	45.96	5.38	54.0	8.04	AV	226.64	150	Vertical	Pass
2	5467.960	57.72	5.72	68.2	10.48	Peak	50.00	150	Vertical	Pass
2**	5467.960	46.18	5.72	--	-46.18	AV	50.00	150	Vertical	N/A

U-NII-2C 11ac80 High Channel, ANT H



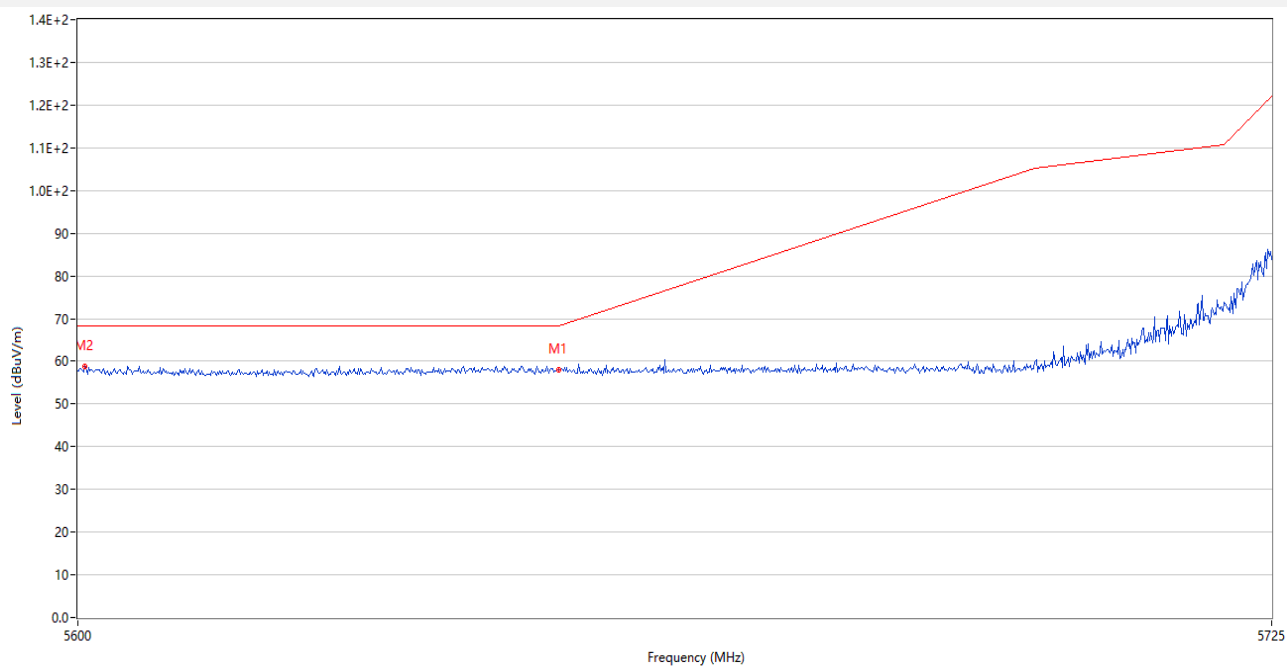
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	57.93	6.57	68.2	10.27	Peak	234.00	150	Horizontal	Pass
2	5842.375	60.16	7.14	68.2	8.04	Peak	189.00	150	Horizontal	Pass

U-NII-2C 11ac80 High Channel, ANT V



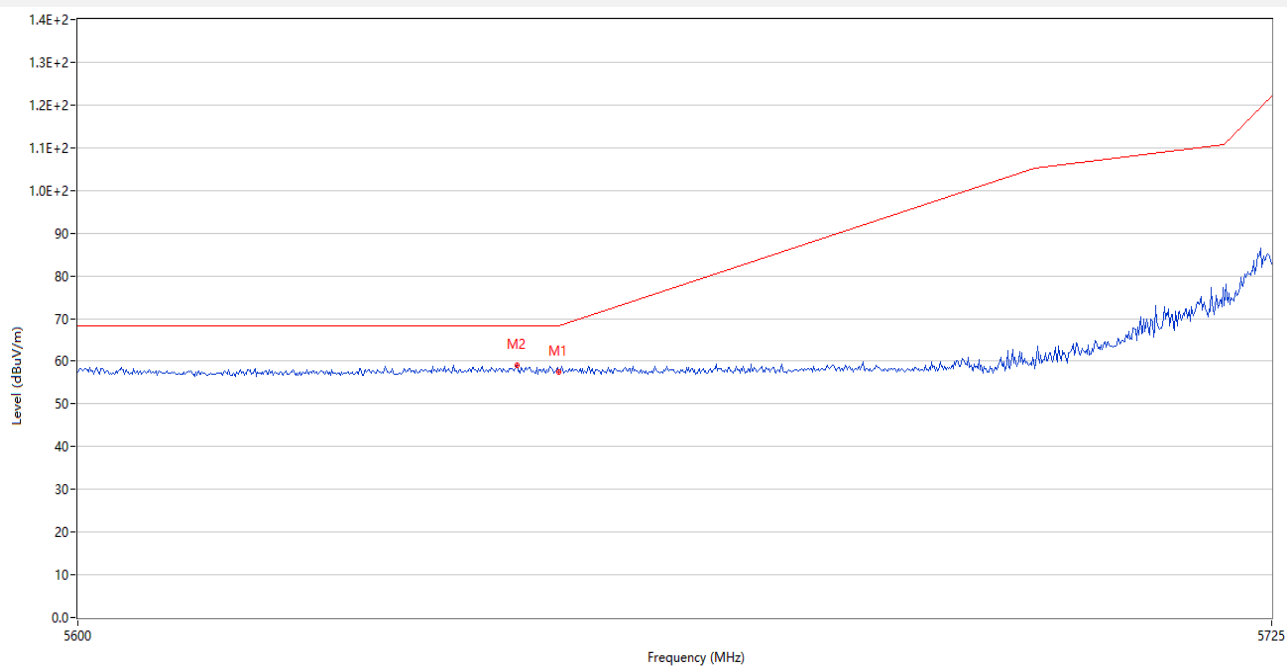
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	58.73	6.57	68.2	9.47	Peak	345.00	150	Vertical	Pass
2	5840.625	60.25	7.22	68.2	7.95	Peak	347.00	150	Vertical	Pass

U-NII-3 11a Low Channel, ANT H



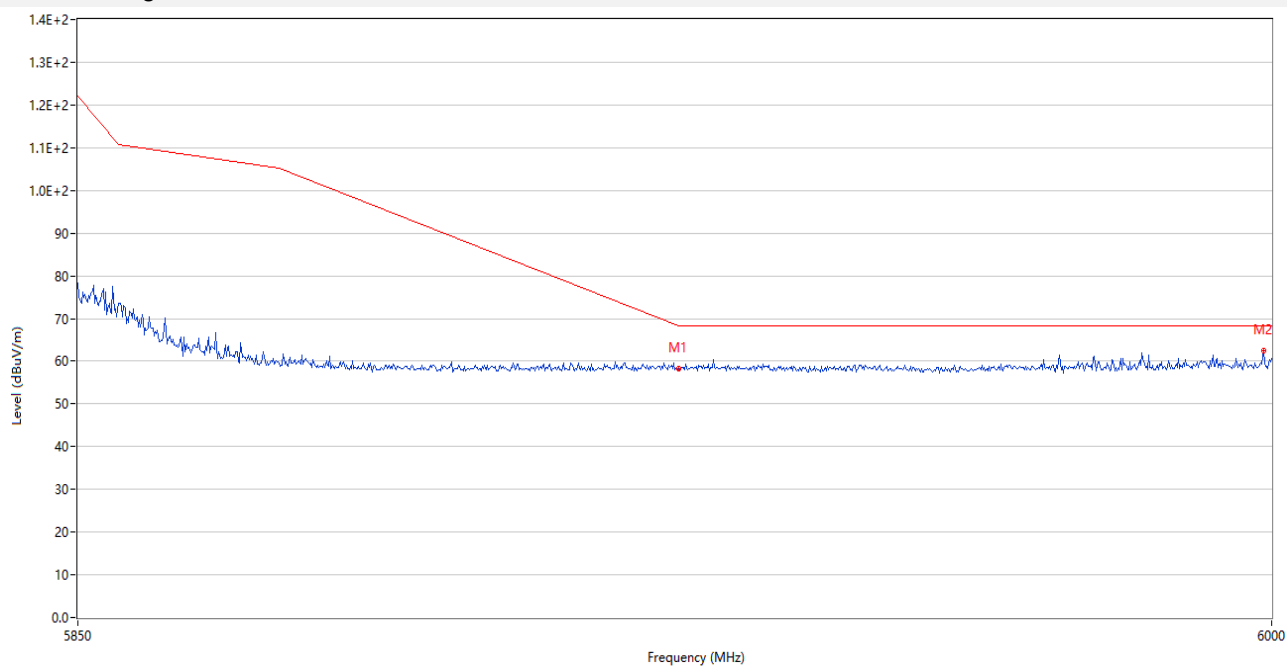
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	58.05	5.94	68.2	10.15	Peak	114.25	150	Horizontal	Pass
2	5600.750	58.88	6.01	68.2	9.32	Peak	212.00	150	Horizontal	Pass

U-NII-3 11a Low Channel, ANT V



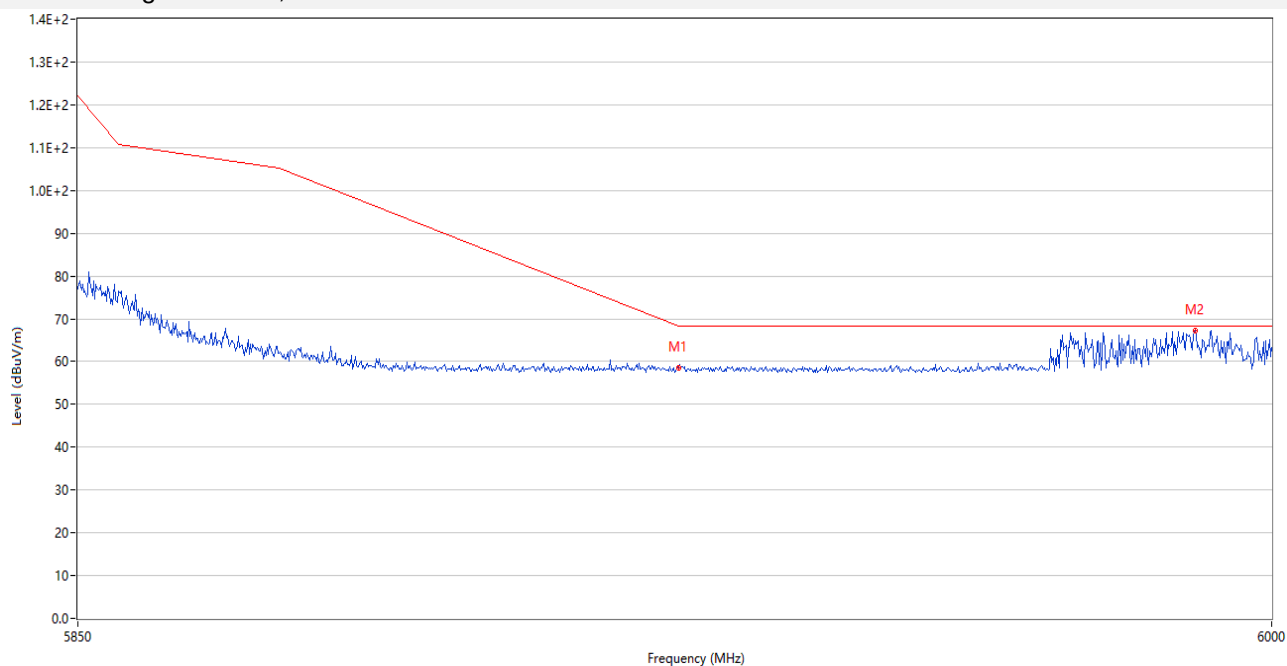
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	57.47	5.94	68.2	10.73	Peak	249.87	150	Vertical	Pass
2	5645.625	59.00	6.01	68.2	9.20	Peak	0.00	150	Vertical	Pass

U-NII-3 11a High Channel, ANT H



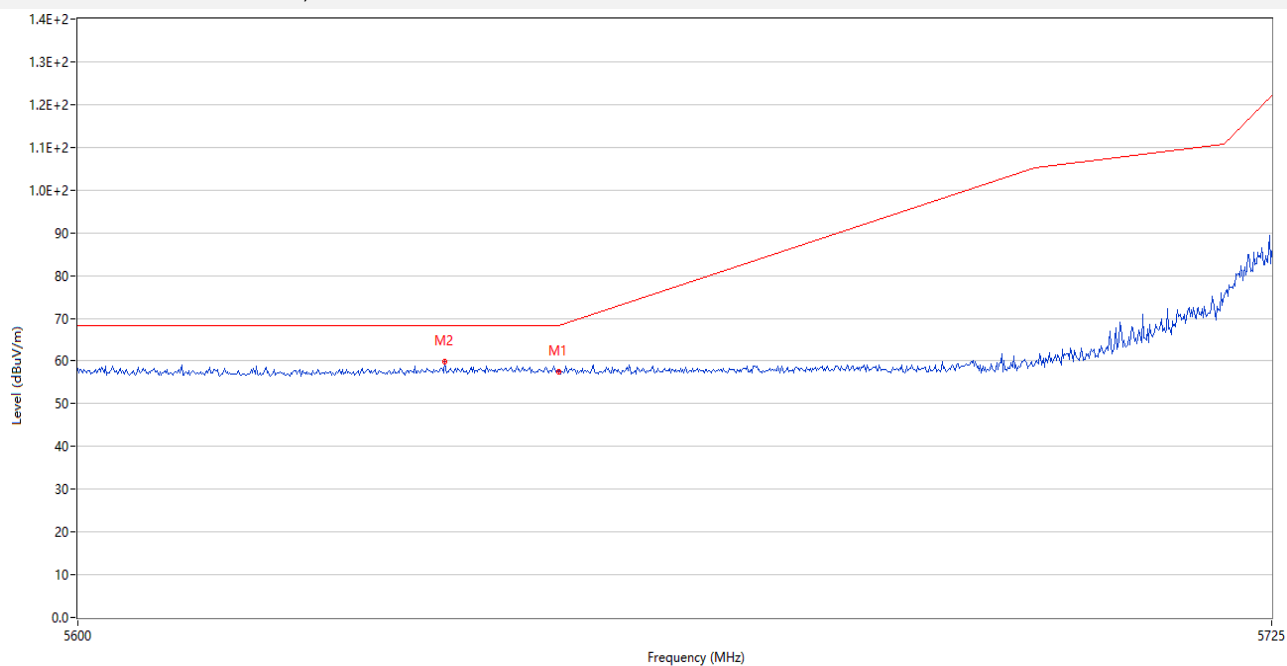
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	58.16	7.83	68.2	10.04	Peak	190.22	150	Horizontal	Pass
2	5998.950	62.45	7.99	68.2	5.75	Peak	44.00	150	Horizontal	Pass

U-NII-3 11a High Channel, ANT V



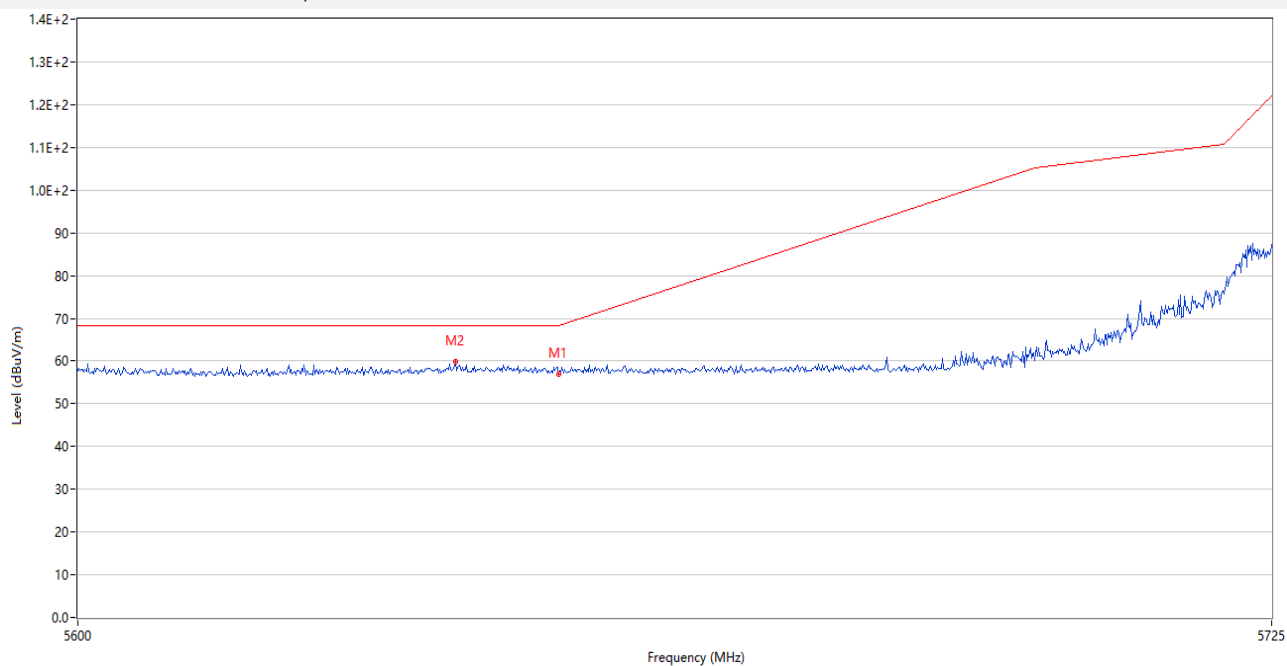
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	58.47	7.83	68.2	9.73	Peak	22.19	150	Vertical	Pass
2	5990.250	67.30	7.96	68.2	0.90	Peak	20.00	150	Vertical	Pass

U-NII-3 11n20 Low Channel, ANT H



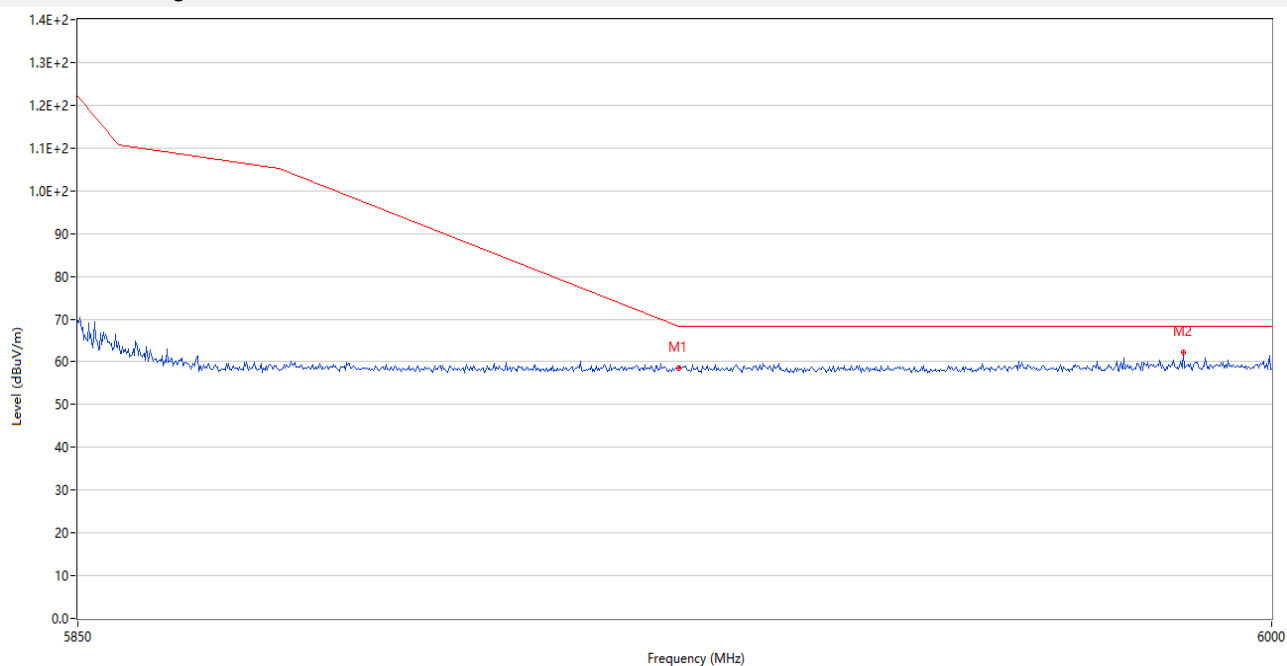
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	57.37	5.94	68.2	10.83	Peak	43.96	150	Horizontal	Pass
2	5638.125	59.90	5.90	68.2	8.30	Peak	36.00	150	Horizontal	Pass

U-NII-3 11n20 Low Channel, ANT V



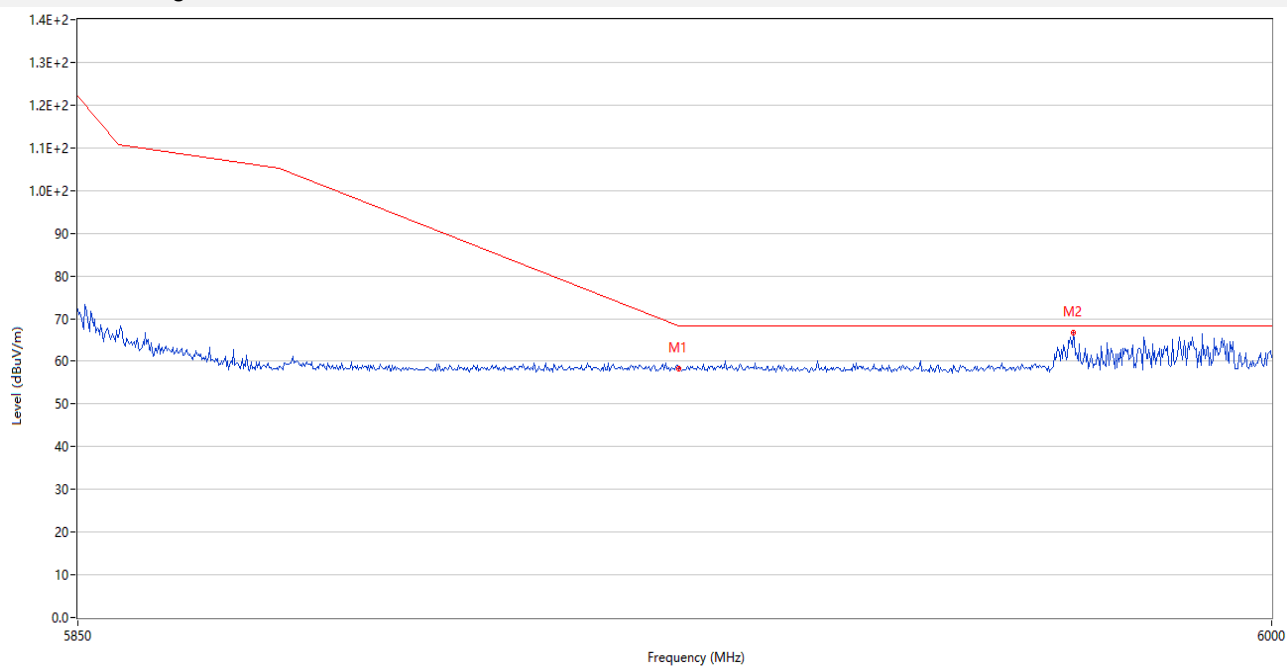
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	57.02	5.94	68.2	11.18	Peak	359.95	150	Vertical	Pass
2	5639.250	59.94	5.90	68.2	8.26	Peak	304.00	150	Vertical	Pass

U-NII-3 11n20 High Channel, ANT H



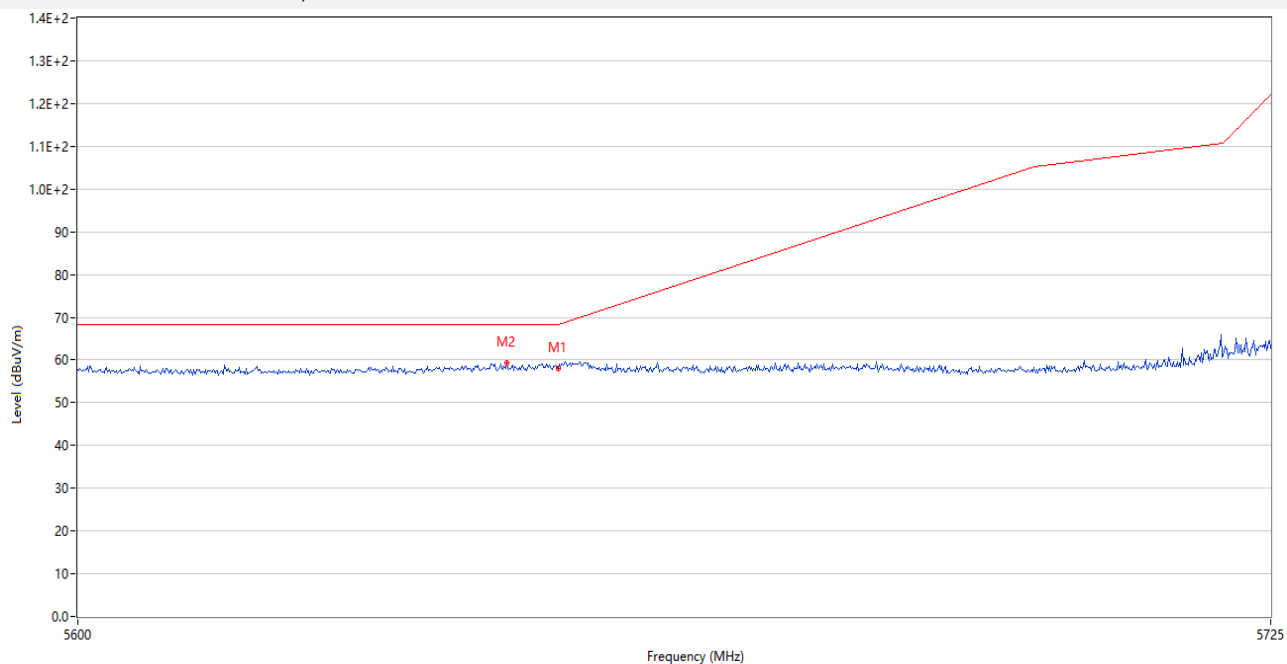
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	58.48	7.83	68.2	9.72	Peak	214.17	150	Horizontal	Pass
2	5988.750	62.17	7.86	68.2	6.03	Peak	354.00	150	Horizontal	Pass

U-NII-3 11n20 High Channel, ANT V



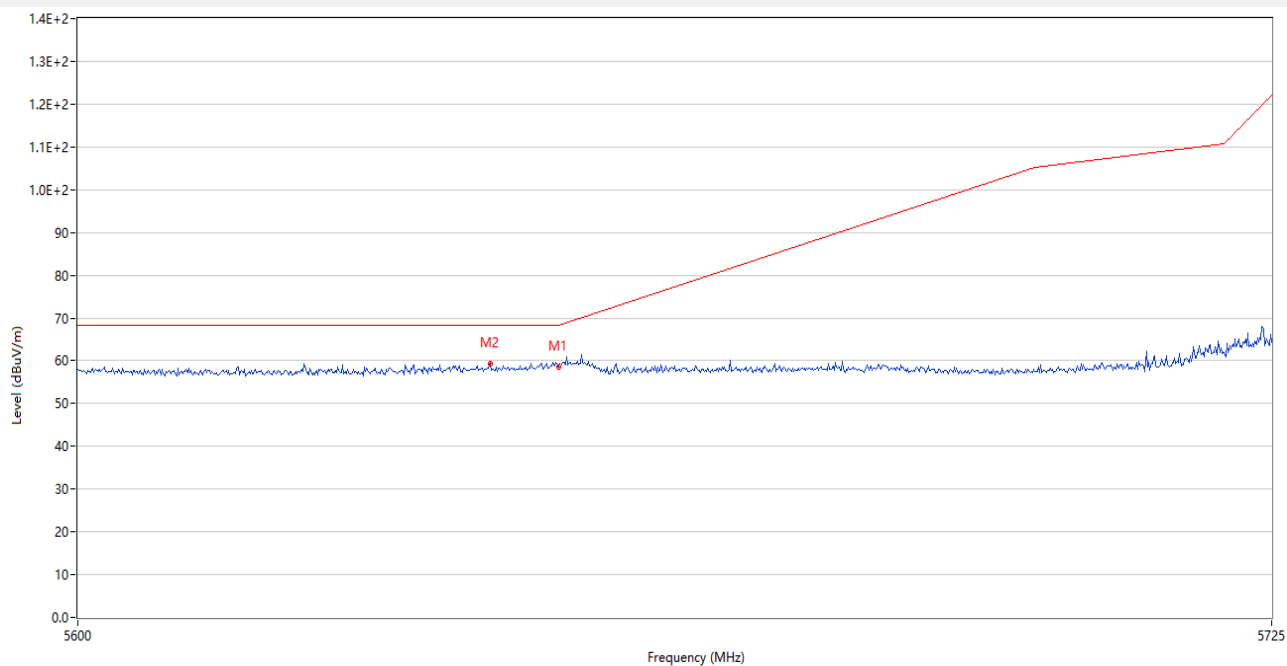
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	58.18	7.83	68.2	10.02	Peak	129.29	150	Vertical	Pass
2	5974.800	66.81	7.47	68.2	1.39	Peak	285.00	150	Vertical	Pass

U-NII-3 11n40 Low Channel, ANT H



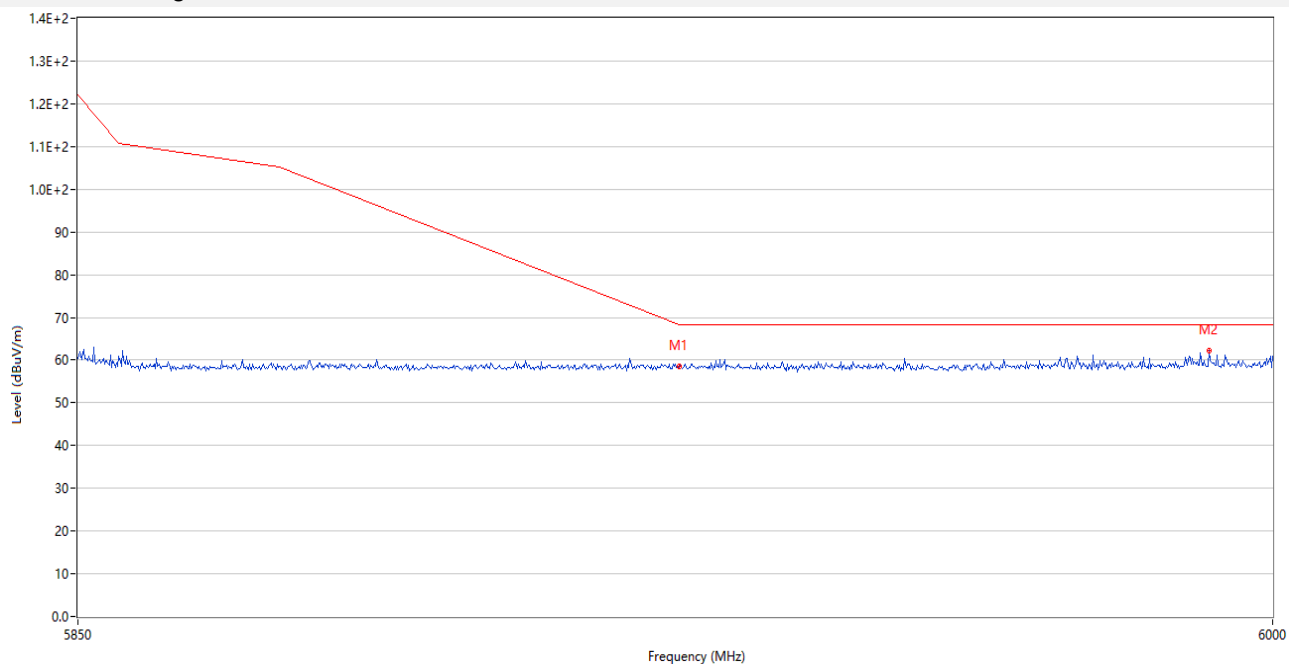
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	57.96	5.94	68.2	10.24	Peak	359.98	150	Horizontal	Pass
2	5644.625	59.21	6.02	68.2	8.99	Peak	314.00	150	Horizontal	Pass

U-NII-3 11n40 Low Channel, ANT V



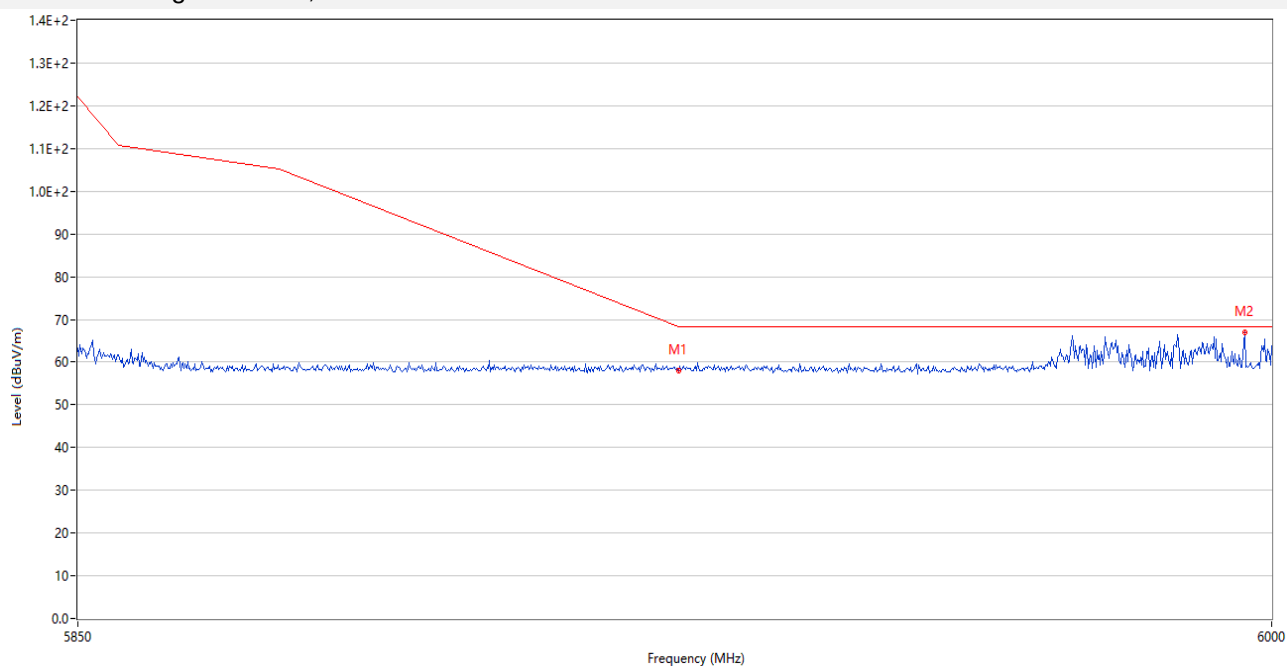
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	58.63	5.94	68.2	9.57	Peak	30.00	150	Vertical	Pass
2	5642.875	59.37	5.99	68.2	8.83	Peak	53.00	150	Vertical	Pass

U-NII-3 11n40 High Channel, ANT H



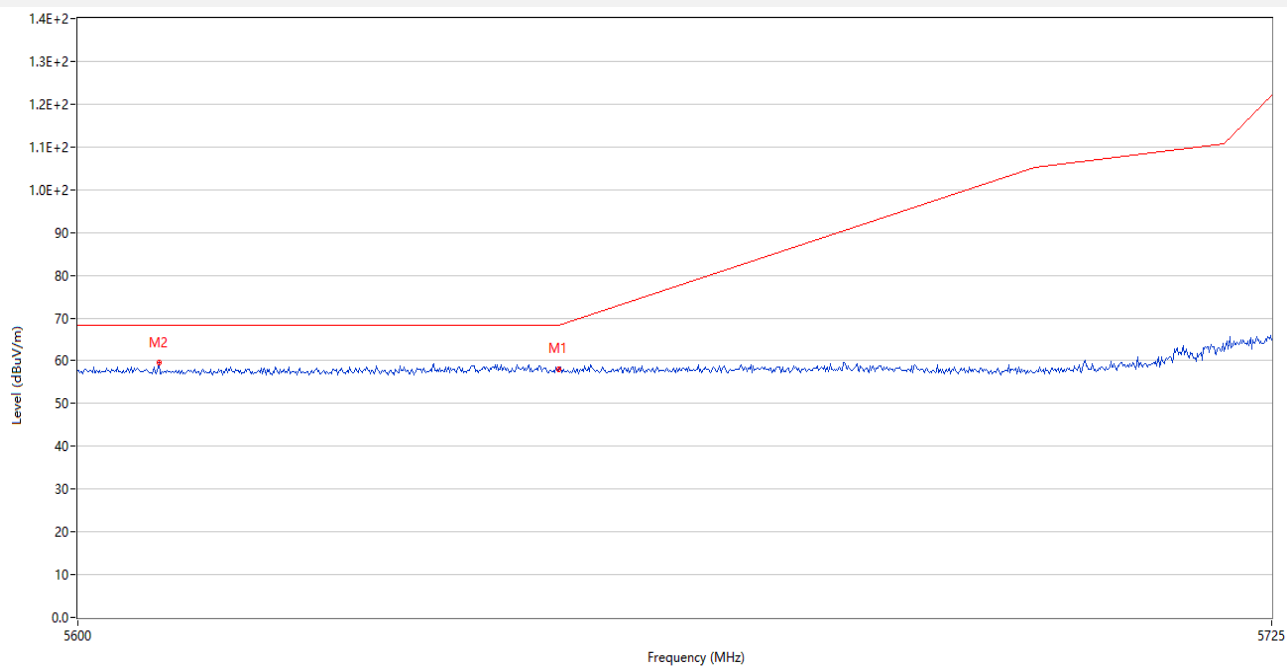
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	58.65	7.83	68.2	9.55	Peak	249.68	150	Horizontal	Pass
2	5991.900	62.11	7.95	68.2	6.09	Peak	39.00	150	Horizontal	Pass

U-NII-3 11n40 High Channel, ANT V



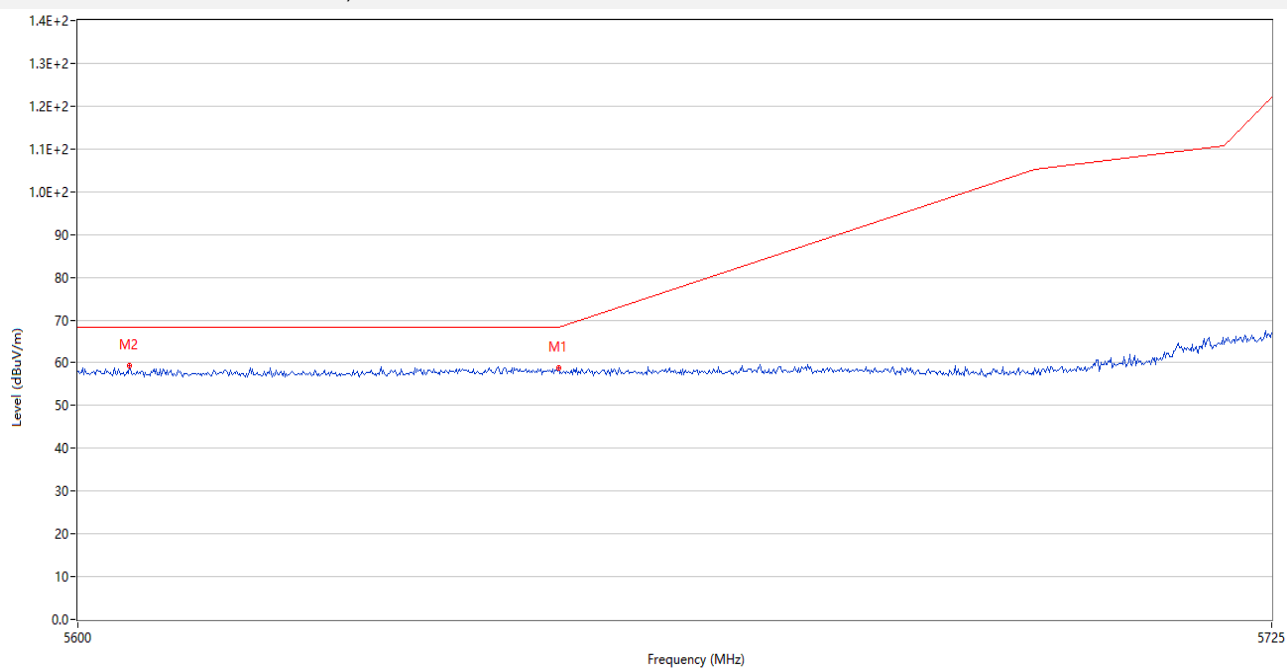
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	57.90	7.83	68.2	10.30	Peak	212.96	150	Vertical	Pass
2	5996.550	66.85	7.98	68.2	1.35	Peak	14.00	150	Vertical	Pass

U-NII-3 11ac80 Middle Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	57.89	5.94	68.2	10.31	Peak	0.00	150	Horizontal	Pass
2	5608.375	59.59	5.87	68.2	8.61	Peak	207.00	150	Horizontal	Pass

U-NII-3 11ac80 Middle Channel, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	58.76	5.94	68.2	9.44	Peak	29.16	150	Vertical	Pass
2	5605.375	59.20	5.89	68.2	9.00	Peak	50.00	150	Vertical	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2480538-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2480538-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2480538-AI.PDF”.

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