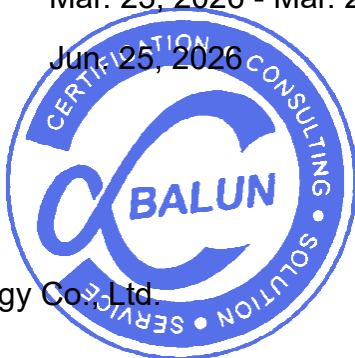


TEST REPORT

Applicant: ShenZhen Foscam Intelligent Technology Co. Ltd.
Address: Room 902, Building 1B, Shenzhen International innovationValley, Xingke 1stStreet, Nanshan District, Shenzhen, Guangdong, China, 518055.
Equipment Type: Wireless IP Camera
Model Name: C8M (refer to section 2.3)
Brand Name: FOSCAM
FCC ID: ZDEC8M
Test Standard: 47 CFR Part 15 Subpart E (refer to section 3.1)
Sample Arrival Date: Mar. 10, 2026
Test Date: Mar. 23, 2026 - Mar. 29, 2026
Date of Issue: Jun. 25, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

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

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>May 28, 2026</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Jun. 25, 2026</u>	1. <u>Add the data of the C5M model for Chapters A.5 and A.6.</u>
		2. <u>Updated the Test Equipment List in Section 4.2.</u>
		3. <u>Updated the ANNEX B TEST SETUP PHOTOS.</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

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

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	ShenZhen Foscam Intelligent Technology Co. Ltd.
Address	Room 902, Building 1B, Shenzhen International innovationValley, Xingke 1stStreet, Nanshan District, Shenzhen, Guangdong, China, 518055.

2.2 Manufacturer Information

Manufacturer	ShenZhen Foscam Intelligent Technology Co. Ltd.
Address	Room 902, Building 1B, Shenzhen International innovationValley, Xingke 1stStreet, Nanshan District, Shenzhen, Guangdong, China, 518055.

2.3 General Description for Equipment under Test (EUT)

EUT Name	Wireless IP Camera
Model Name Under Test	C8M
Series Model Name	C8B, C8D, C8P, C5M, C5B, C5D, C5P
Description of Model name differentiation	1. Different model designations are adopted for different customers. 2. For C5M and C8M models, the specifications of the SoC, sensor, camera lens and power supply are different; all other configurations are identical. (this information provided by the applicant)
Hardware Version	C8M: V1.0 C5M: V3.0
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	WIFI 802.11a, 802.11b, 802.11g and 802.11n
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The requirement for the following technical information of the EUT was tested in this report:

Frequency Range	U-NII-3: 5725 MHz to 5850 MHz
Product Type	☒ Mobile ☐ Portable ☐ Fix Location
Modulation technology	OFDM
Modulation Type	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
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz
Maximum Output Power	U-NII-3: 26.92 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	FPC Antenna
Antenna Gain	2.28 dBi
About the Product	The equipment is Wireless IP Camera, intended for used with information technology equipment.

Note: The above EUT information in section 2.4 was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

2.5 Channel List

20 MHz		40 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
149	5745	151	5755
153	5765	159	5795
157	5785		
161	5805		
165	5825		

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

For 802.11a/n(HT20)

U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)
149	Low	5745
157	Mid	5785
165	High	5825

For 802.11n(HT40)

U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)
151	Low	5755
159	High	5795

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-3
				Channel
RF Output Power	11a	6	BPSK	165/157/149
	11n(20 MHz)	6.5		165/157/149
	11n(40 MHz)	13.5		159/151
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	165/157/149
	11n(20 MHz)	6.5		165/157/149
	11n(40 MHz)	13.5		159/151
6 dB bandwidth	11a	6	BPSK	165/157/149
	11n(20 MHz)	6.5		165/157/149
	11n(40 MHz)	13.5		159/151
Power Spectral Density	11a	6	BPSK	165/157/149
	11n(20 MHz)	6.5		165/157/149
	11n(40 MHz)	13.5		159/151
Radiated Spurious Emissions	11a	6	BPSK	165/157/149
	11n(20 MHz)	6.5		165/157/149
	11n(40 MHz)	13.5		159/151
Band Edge (Restricted-band)	11a	6	BPSK	165/149
	11n(20 MHz)	6.5		165/149
	11n(40 MHz)	13.5		159/151

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

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

3.2 Test Verdict

No.	Description	FCC Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	--	Pass ^{Note1}
2	RF Output Power	15.407(a)	ANNEX A.1	Pass
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	41% to 65%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+18.7℃ to +26.5℃
Working Voltage of the EUT	NV (Normal Voltage)	5 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY54420186	2025.05.21	2026.05.20
Power meter	R&S	NRP8S	101498	2025.07.07	2026.07.06
Spectrum Analyzer	R&S	FSV40	101544	2025.10.30	2026.10.29
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Test Antenna-Bi-Log	Schwarzbeck	VULB 9163	01414	2023.11.03	2026.11.02
Test Antenna-Horn	Schwarzbeck	3117	00108482	2025.10.19	2028.10.18
Test Antenna-Loop	Schwarzbeck	FMZB 1513-60	00015	2024.05.07	2026.05.06
Anechoic Chamber	YIHENG	C8-966	107	2024.05.15	2027.05.11
EMI Receiver	Keysight	N9038A	MY55330121	2025.04.16	2026.04.15
Filtering unit	balun	SU319F	LW-SZ19D0001F01	N/A	N/A
Switching unit	BALUN	SU319	LW-SZ19D0001S01	N/A	N/A
EMI Receiver	keysight	N9038B	MY61380132	2025.04.01	2026.03.31
LISN	SCHWARZBECK MESS- ELEKTRONIK	NSLK8127	01009	2025.07.15	2026.07.14
Shielded Enclosure	YiHeng Electronic Co., Ltd	4.3m*2.9m*2.4 m	235	2024.11.05	2027.11.04
Spectrum Analyzer	KEYSIGHT	N9020A	MY56060127	2025.12.25	2026.12.24
Test Antenna-Horn	Schwarzbeck	BBHA 9120D	02459	2023.10.26	2026.10.25
Anechoic Chamber	EMC Electronic Co, Ltd	9m*6m*6m	/	2024.11.25	2027.08.25

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

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

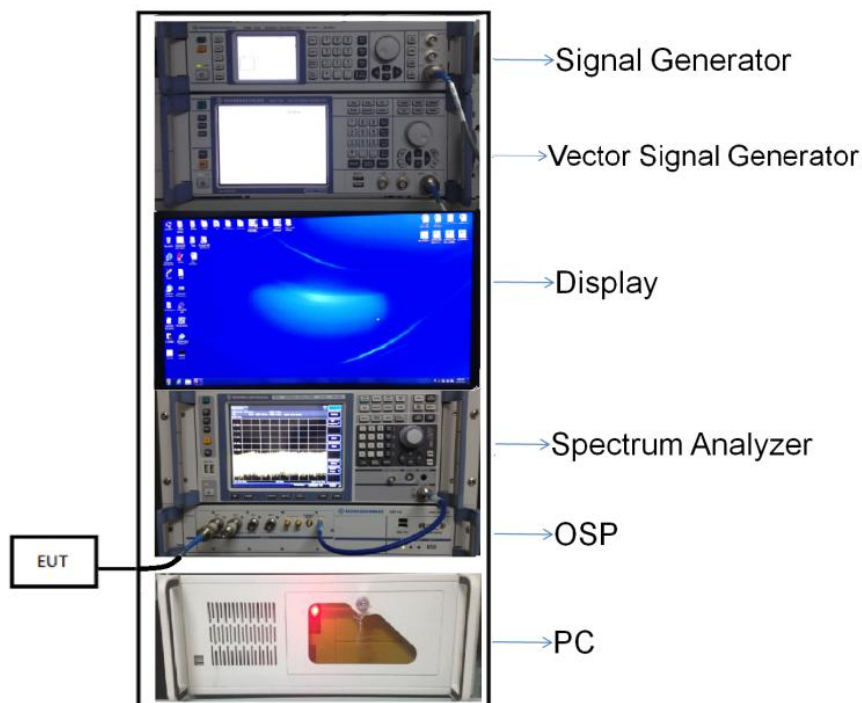
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

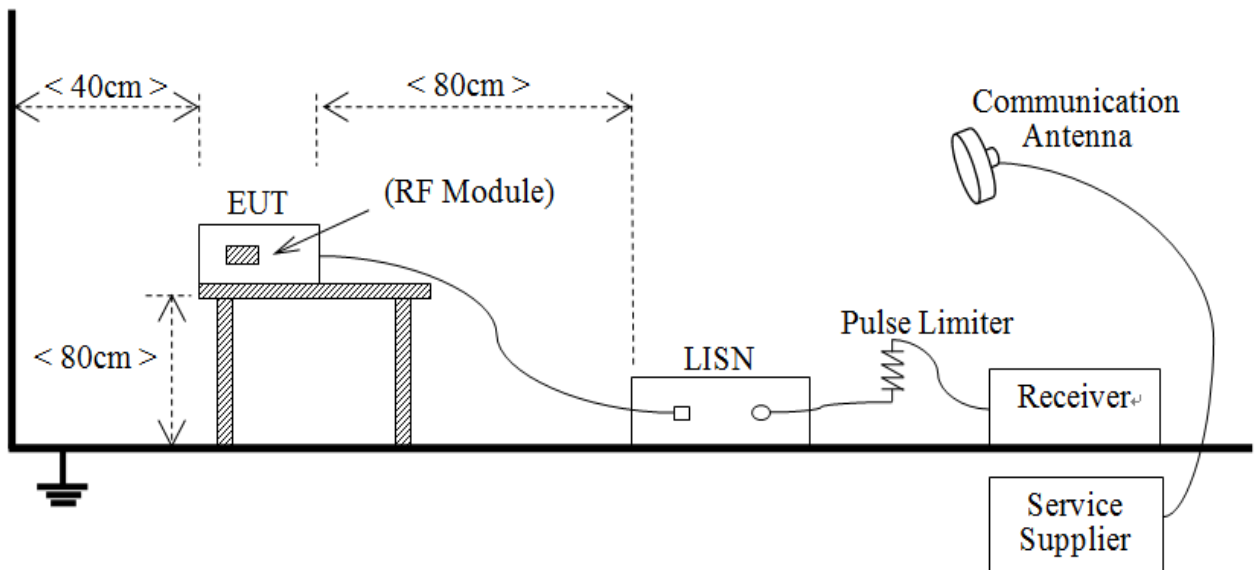
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



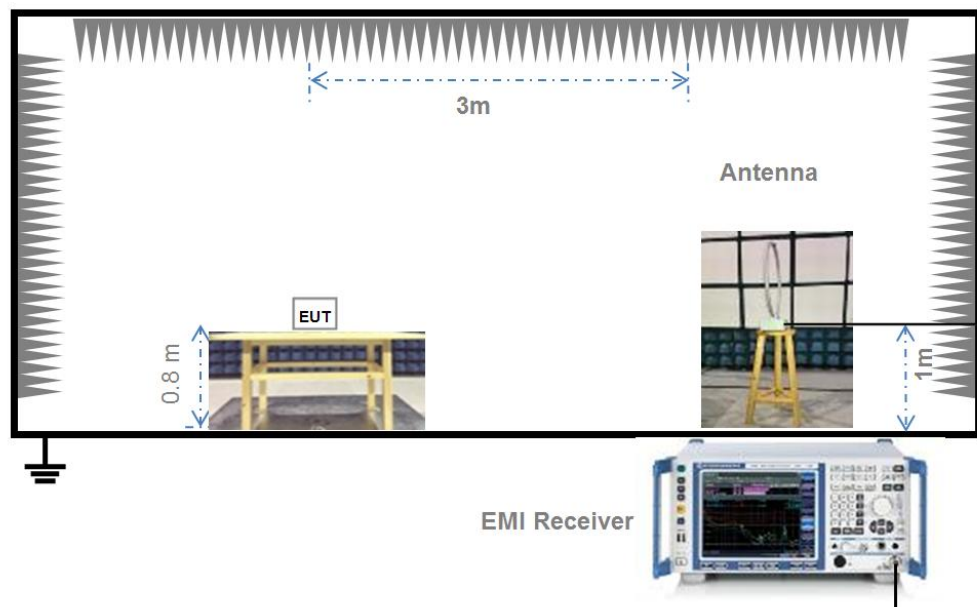
(Diagram 1)

4.5.2 For AC Power Supply Port Test



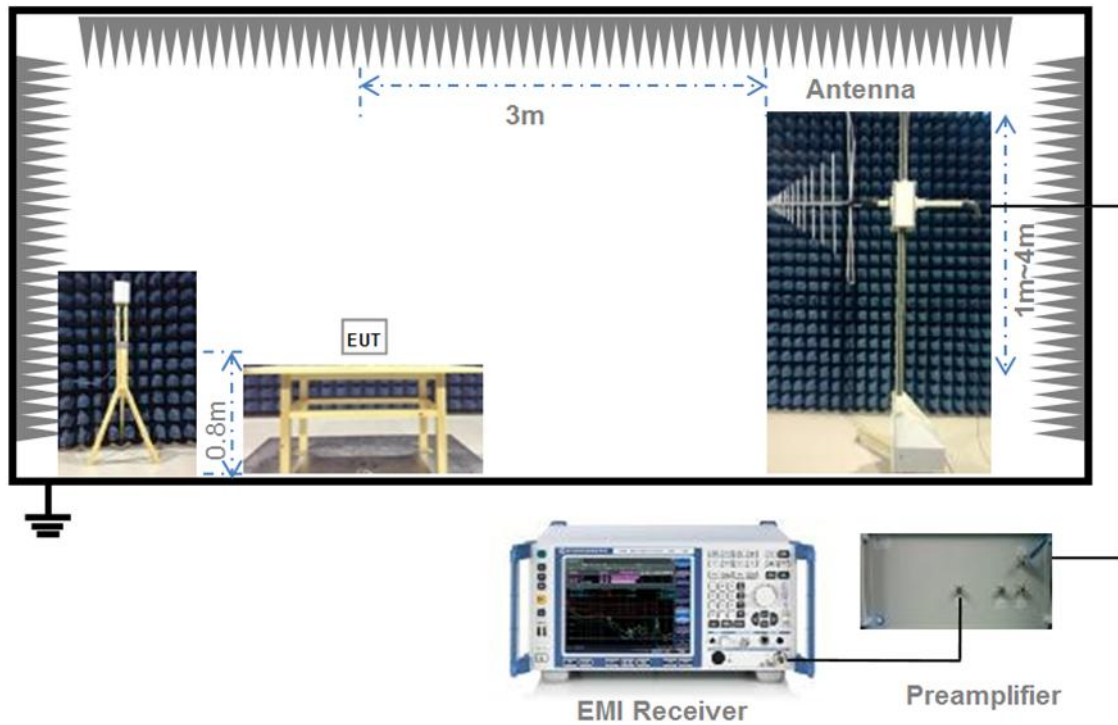
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



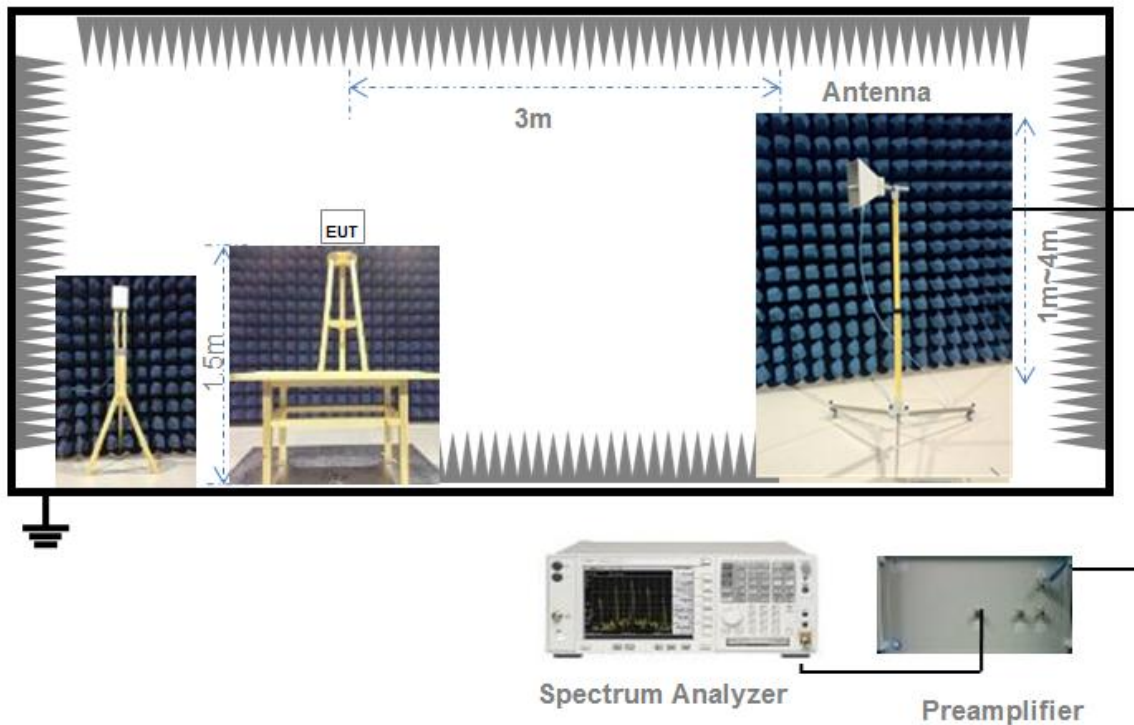
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

5.1.2 Test Setup

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

5.1.3 Test Procedure

Maximum conducted (average) output power

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

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

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

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

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

Measurements of duty cycle

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

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

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

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

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

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

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a)

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

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

Occupied Bandwidth

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

6 dB bandwidth

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

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

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

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

5.5.1 Limit

FCC §15.209 & 15.407(b)

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

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

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

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).

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

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

where:

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

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

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

f) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

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

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

Peak power measurement procedure

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

a) RBW = as specified in Table 1.

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

c) Detector = Peak.

d) Sweep time = auto.

e) Trace mode = max hold.

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

Table 1—RBW as a function of frequency

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

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

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

If continuous transmission of the EUT (i.e., duty cycle ≥ 98 percent) cannot be achieved and the duty

cycle is constant (i.e., duty cycle variations are less than ± 2 percent), then the following procedure shall be used:

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

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

Determining the applicable transmit antenna gain

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

Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is

greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

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

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

Note: 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	1.40	1.55	89.89%	0.46
11n(HT20)	5.08	5.24	96.99%	0.13
11n(HT40)	4.87	5.02	97.11%	0.13

Test Data

Conducted Power

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	13.85	24.27	1000	Pass
11a	CH157	13.65	23.17	1000	Pass
11a	CH165	14.30	26.92	1000	Pass
11n(HT20)	CH149	13.72	23.55	1000	Pass
11n(HT20)	CH157	13.72	23.55	1000	Pass
11n(HT20)	CH165	13.43	22.03	1000	Pass
11n(HT40)	CH151	13.62	23.01	1000	Pass
11n(HT40)	CH159	13.57	22.75	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: Ti-EE26030263-602 Data Part 1.pdf".

Test Data

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	27.85	16.92
11a	CH157	27.02	16.89
11a	CH165	26.39	16.92
11n(HT20)	CH149	28.91	18.16
11n(HT20)	CH157	27.83	18.13
11n(HT20)	CH165	28.04	18.13
11n(HT40)	CH151	57.80	36.80
11n(HT40)	CH159	56.48	36.79

A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: Ti-EE26030263-602 Data Part 2.pdf".

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.70	500.00	Pass
11a	CH157	16.70	500.00	Pass
11a	CH165	16.70	500.00	Pass
11n(HT20)	CH149	18.00	500.00	Pass
11n(HT20)	CH157	18.00	500.00	Pass
11n(HT20)	CH165	17.90	500.00	Pass
11n(HT40)	CH151	37.00	500.00	Pass
11n(HT40)	CH159	37.00	500.00	Pass

A.4 Power Spectral Density

Note: Test plots please refer to the document "Annex No.: Ti-EE26030263-602 Data Part 3.pdf".

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	FCC Limit (dBm/500kHz)	Verdict
11a	CH149	-0.56	30.00	Pass
11a	CH157	-1.38	30.00	Pass
11a	CH165	-0.81	30.00	Pass
11n(HT20)	CH149	-0.71	30.00	Pass
11n(HT20)	CH157	-1.26	30.00	Pass
11n(HT20)	CH165	-1.68	30.00	Pass
11n(HT40)	CH151	-3.78	30.00	Pass
11n(HT40)	CH159	-4.48	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.

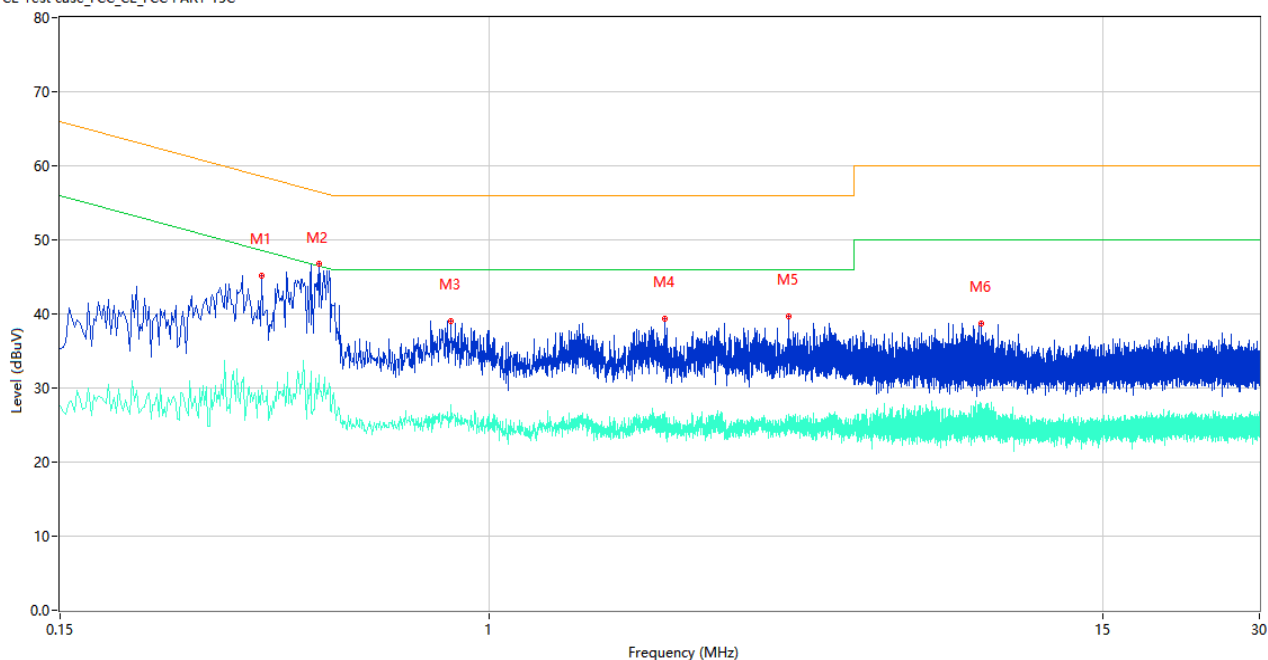
Note ³: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

C8M

PHASE L

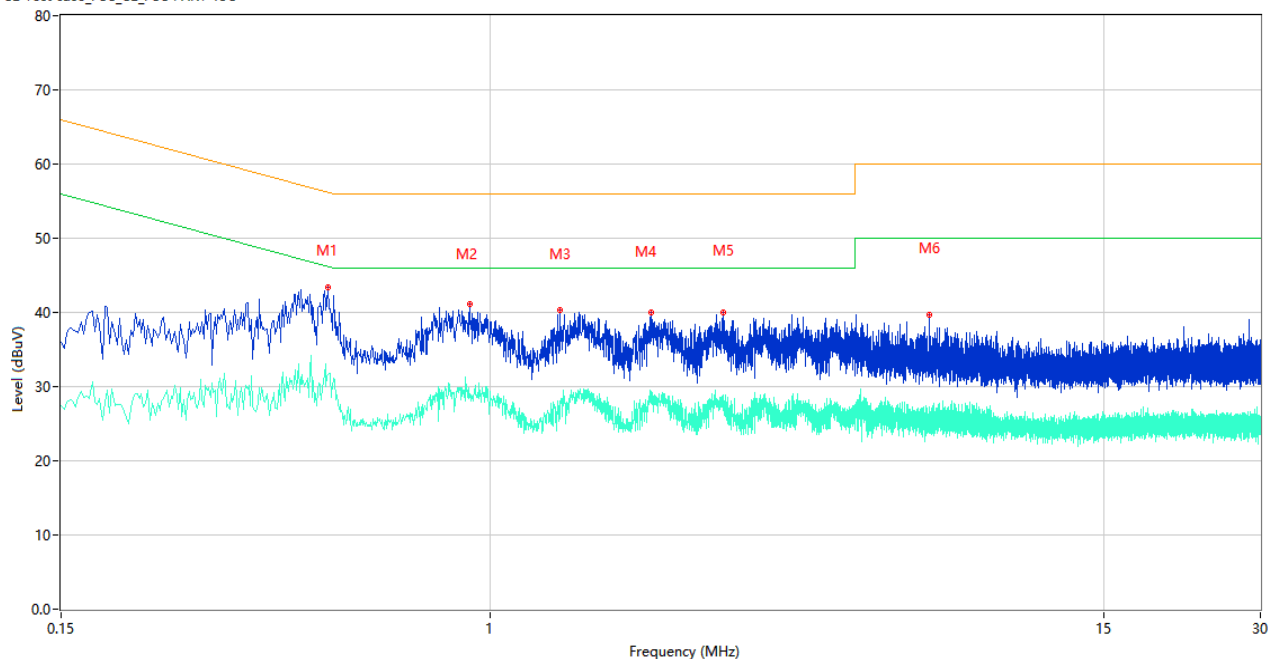
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.366	45.23	10.75	58.59	13.36	Peak	L	Pass
1**	0.366	30.40	10.75	48.59	18.19	AV	L	Pass
2	0.472	46.70	10.07	56.48	9.78	Peak	L	Pass
2**	0.472	30.14	10.07	46.48	16.34	AV	L	Pass
3	0.844	39.06	10.67	56.00	16.94	Peak	L	Pass
3**	0.844	27.78	10.67	46.00	18.22	AV	L	Pass
4	2.172	39.39	10.15	56.00	16.61	Peak	L	Pass
4**	2.172	26.82	10.15	46.00	19.18	AV	L	Pass
5	3.750	39.62	10.50	56.00	16.38	Peak	L	Pass
5**	3.750	26.35	10.50	46.00	19.65	AV	L	Pass
6	8.768	38.78	10.30	60.00	21.22	Peak	L	Pass
6**	8.768	27.98	10.30	50.00	22.02	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C

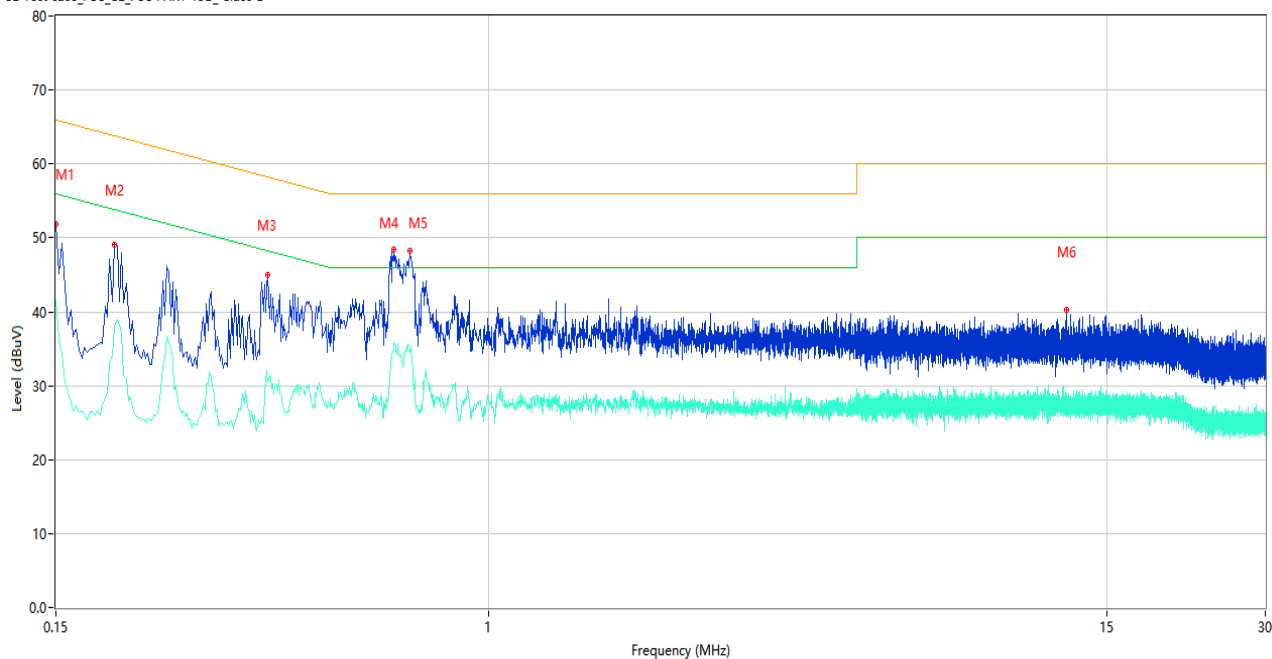


No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.488	43.46	10.05	56.20	12.74	Peak	N	Pass
1**	0.488	31.65	10.05	46.20	14.55	AV	N	Pass
2	0.912	41.06	10.22	56.00	14.94	Peak	N	Pass
2**	0.912	28.56	10.22	46.00	17.44	AV	N	Pass
3	1.362	40.33	9.99	56.00	15.67	Peak	N	Pass
3**	1.362	27.82	9.99	46.00	18.18	AV	N	Pass
4	2.030	39.98	10.45	56.00	16.02	Peak	N	Pass
4**	2.030	29.42	10.45	46.00	16.58	AV	N	Pass
5	2.794	39.98	10.43	56.00	16.02	Peak	N	Pass
5**	2.794	28.93	10.43	46.00	17.07	AV	N	Pass
6	6.948	39.70	10.24	60.00	20.30	Peak	N	Pass
6**	6.948	24.63	10.24	50.00	25.37	AV	N	Pass

C5M

PHASE L

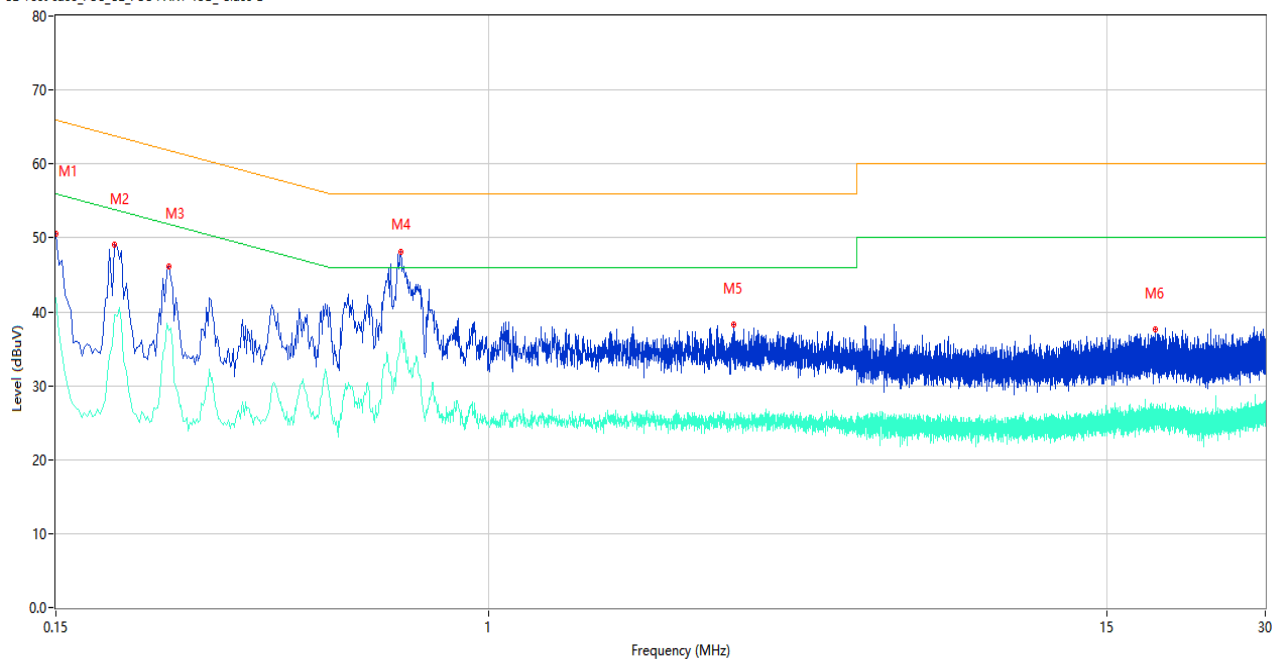
CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.150	51.81	9.86	66.00	14.19	Peak	L	Pass
1**	0.150	41.53	9.86	56.00	14.47	AV	L	Pass
2	0.194	49.04	9.84	63.86	14.82	Peak	L	Pass
2**	0.194	38.02	9.84	53.86	15.84	AV	L	Pass
3	0.380	45.00	10.69	58.28	13.28	Peak	L	Pass
3**	0.380	30.51	10.69	48.28	17.77	AV	L	Pass
4	0.660	48.47	10.36	56.00	7.53	Peak	L	Pass
4**	0.660	35.87	10.36	46.00	10.13	AV	L	Pass
5	0.706	48.28	10.64	56.00	7.72	Peak	L	Pass
5**	0.706	34.82	10.64	46.00	11.18	AV	L	Pass
6	12.544	40.22	10.76	60.00	19.78	Peak	L	Pass
6**	12.544	28.95	10.76	50.00	21.05	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.150	50.48	9.86	66.00	15.52	Peak	N	Pass
1**	0.150	41.81	9.86	56.00	14.19	AV	N	Pass
2	0.194	49.13	9.84	63.86	14.73	Peak	N	Pass
2**	0.194	39.64	9.84	53.86	14.22	AV	N	Pass
3	0.246	46.06	9.82	61.89	15.83	Peak	N	Pass
3**	0.246	37.46	9.82	51.89	14.43	AV	N	Pass
4	0.680	48.07	10.54	56.00	7.93	Peak	N	Pass
4**	0.680	37.49	10.54	46.00	8.51	AV	N	Pass
5	2.928	38.20	10.16	56.00	17.80	Peak	N	Pass
5**	2.928	24.48	10.16	46.00	21.52	AV	N	Pass
6	18.550	37.59	11.01	60.00	22.41	Peak	N	Pass
6**	18.550	25.06	11.01	50.00	24.94	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 C63.10, 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.

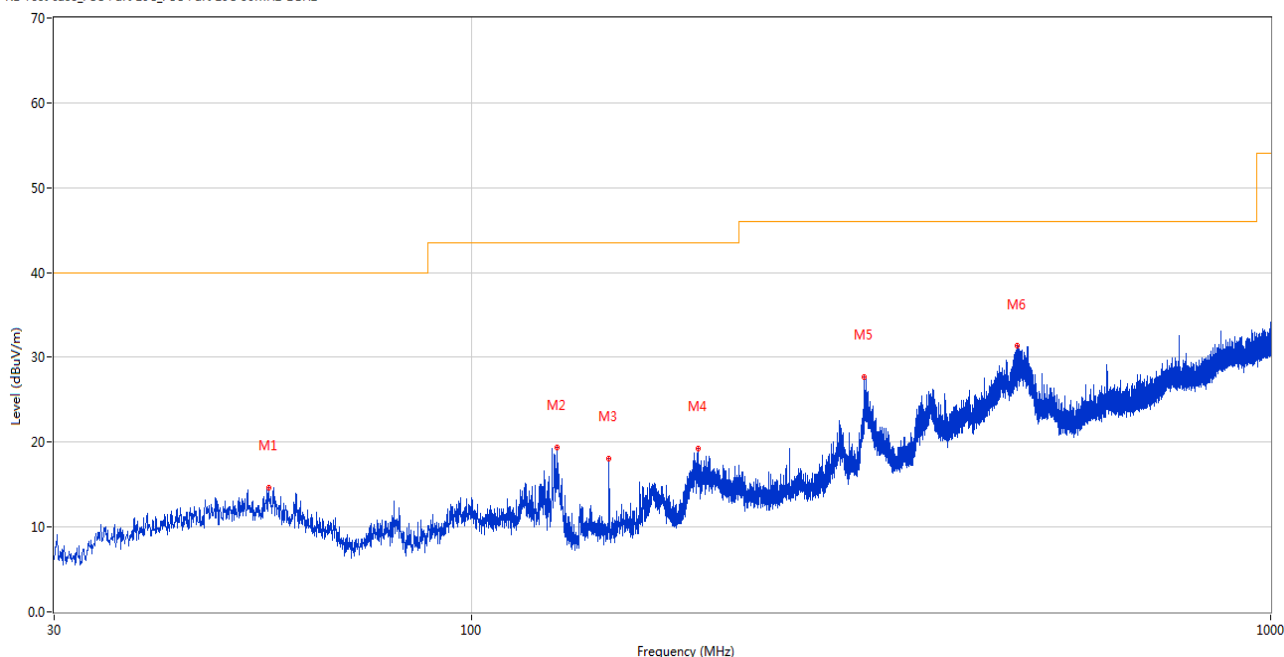
Note ⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Test Data and Plots

C8M

30 MHz to 1 GHz, ANT H

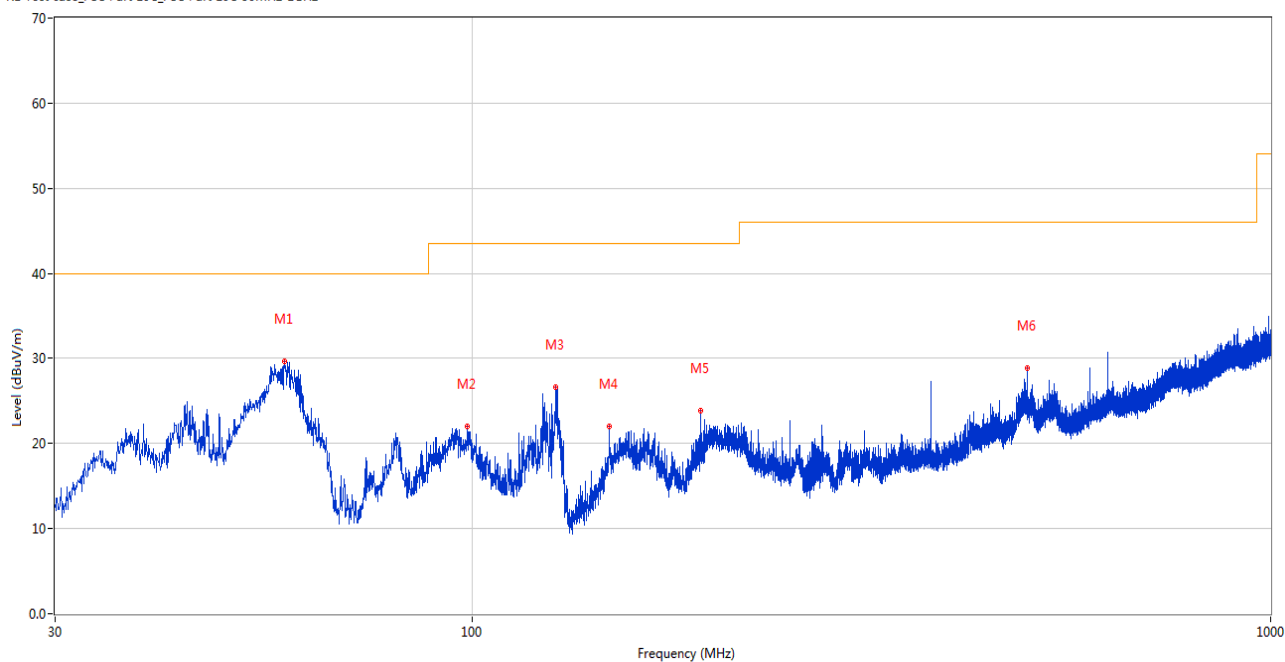
RE Test case_FCC Part 15C_FCC Part 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	55.705	14.60	-24.55	40.0	25.40	Peak	189.40	100	Horizontal	Pass
2	127.970	19.36	-28.07	43.5	24.14	Peak	99.20	100	Horizontal	Pass
3	148.486	18.04	-28.78	43.5	25.46	Peak	176.50	100	Horizontal	Pass
4	192.038	19.21	-24.90	43.5	24.29	Peak	255.00	100	Horizontal	Pass
5	309.942	27.66	-21.25	46.0	18.34	Peak	38.10	100	Horizontal	Pass
6	481.583	31.31	-16.57	46.0	14.69	Peak	30.30	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_FCC Part 15C 30MHz-1GHz

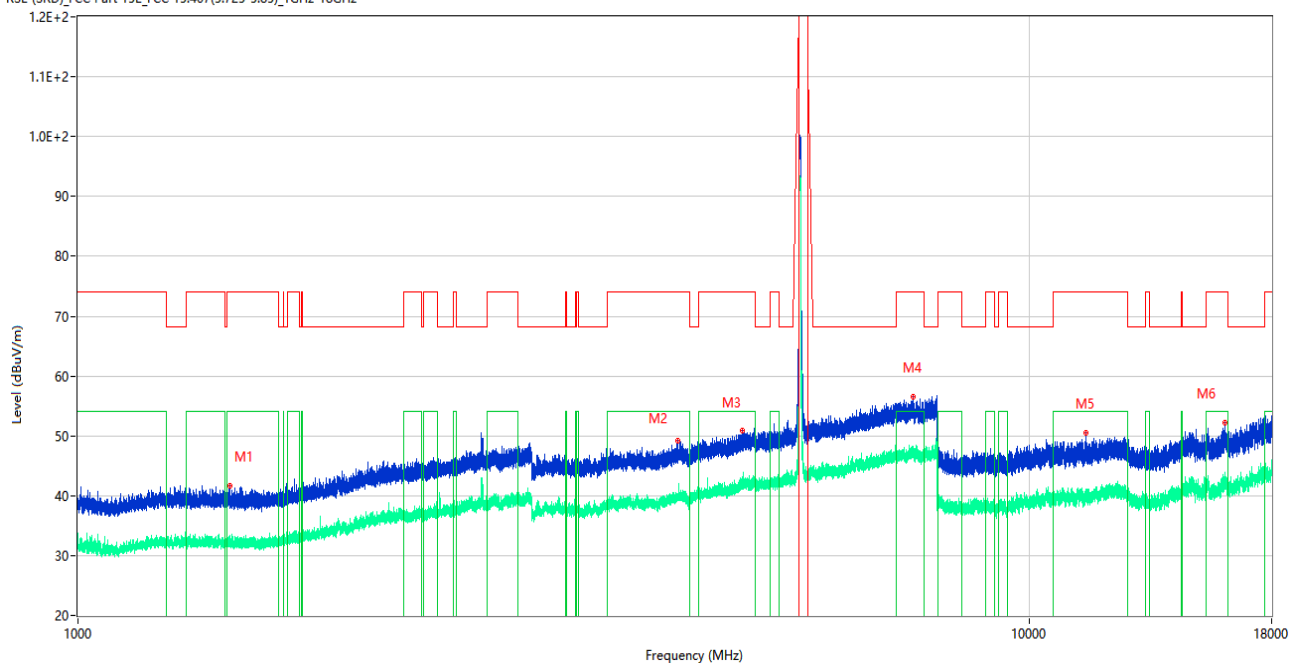


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	58.227	29.70	-24.76	40.0	10.30	Peak	316.00	100	Vertical	Pass
2	98.482	22.01	-25.81	43.5	21.49	Peak	328.20	100	Vertical	Pass
3	127.000	26.60	-28.01	43.5	16.90	Peak	95.10	100	Vertical	Pass
4	148.486	22.08	-28.78	43.5	21.42	Peak	225.80	100	Vertical	Pass
5	193.396	23.83	-24.62	43.5	19.67	Peak	333.30	100	Vertical	Pass
6	495.406	28.83	-15.96	46.0	17.17	Peak	144.10	100	Vertical	Pass

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

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

RSE (SRD)_FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1444.768	41.67	74.0	32.33	Peak	52.00	200	Horizontal	Pass
1**	1444.768	32.23	54.0	21.77	AV	52.00	200	Horizontal	Pass
2	4273.846	49.13	74.0	24.87	Peak	14.00	300	Horizontal	Pass
2**	4273.846	40.26	54.0	13.74	AV	14.00	300	Horizontal	Pass
3	4996.577	51.05	74.0	22.95	Peak	287.00	200	Horizontal	Pass
3**	4996.577	41.51	54.0	12.49	AV	287.00	200	Horizontal	Pass
4	7555.948	56.77	74.0	17.23	Peak	88.00	300	Horizontal	Pass
4**	7555.948	47.67	54.0	6.34	AV	88.00	300	Horizontal	Pass
5	11487.260	50.57	74.0	23.43	Peak	242.00	200	Horizontal	Pass
5**	11487.260	39.69	54.0	14.31	AV	242.00	200	Horizontal	Pass
6	16077.634	52.23	74.0	21.77	Peak	306.00	400	Horizontal	Pass
6**	16077.634	42.60	54.0	11.41	AV	306.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1158.262	50.53	74.0	23.47	Peak	272.00	300	Vertical	Pass
1**	1158.262	31.90	54.0	22.10	AV	272.00	300	Vertical	Pass
2	1333.918	49.16	74.0	24.84	Peak	120.00	400	Vertical	Pass
2**	1333.918	36.08	54.0	17.92	AV	120.00	400	Vertical	Pass
3	4929.968	49.95	74.0	24.05	Peak	302.00	200	Vertical	Pass
3**	4929.968	38.27	54.0	15.73	AV	302.00	200	Vertical	Pass
4	7934.531	50.04	74.0	23.96	Peak	353.00	100	Vertical	Pass
4**	7934.531	41.07	54.0	12.93	AV	353.00	100	Vertical	Pass
5	12493.745	55.24	74.0	18.76	Peak	195.00	100	Vertical	Pass
5**	12493.745	43.92	54.0	10.08	AV	195.00	100	Vertical	Pass
6	17104.087	56.36	74.0	17.65	Peak	258.00	400	Vertical	Pass
6**	17104.087	44.86	54.0	9.15	AV	258.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.604	41.67	74.0	32.33	Peak	272.00	100	Horizontal	Pass
1**	1442.604	32.22	54.0	21.78	AV	272.00	100	Horizontal	Pass
2	4276.847	49.12	74.0	24.88	Peak	220.00	400	Horizontal	Pass
2**	4276.847	40.05	54.0	13.95	AV	220.00	400	Horizontal	Pass
3	4991.138	50.81	74.0	23.19	Peak	123.00	200	Horizontal	Pass
3**	4991.138	41.49	54.0	12.51	AV	123.00	200	Horizontal	Pass
4	7553.950	56.72	74.0	17.28	Peak	226.00	400	Horizontal	Pass
4**	7553.950	47.59	54.0	6.41	AV	226.00	400	Horizontal	Pass
5	11482.841	50.55	74.0	23.46	Peak	10.00	400	Horizontal	Pass
5**	11482.841	39.65	54.0	14.35	AV	10.00	400	Horizontal	Pass
6	16077.802	51.99	74.0	22.01	Peak	322.00	300	Horizontal	Pass
6**	16077.802	42.53	54.0	11.47	AV	322.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1161.843	50.49	74.0	23.52	Peak	285.00	200	Vertical	Pass
1**	1161.843	31.80	54.0	22.20	AV	285.00	200	Vertical	Pass
2	1330.902	48.94	74.0	25.06	Peak	240.00	200	Vertical	Pass
2**	1330.902	35.83	54.0	18.17	AV	240.00	200	Vertical	Pass
3	4925.901	49.85	74.0	24.15	Peak	320.00	200	Vertical	Pass
3**	4925.901	38.06	54.0	15.94	AV	320.00	200	Vertical	Pass
4	7938.345	49.86	74.0	24.14	Peak	224.00	100	Vertical	Pass
4**	7938.345	40.88	54.0	13.12	AV	224.00	100	Vertical	Pass
5	12489.988	54.94	74.0	19.06	Peak	276.00	100	Vertical	Pass
5**	12489.988	43.82	54.0	10.18	AV	276.00	100	Vertical	Pass
6	17104.560	56.28	74.0	17.72	Peak	321.00	100	Vertical	Pass
6**	17104.560	44.77	54.0	9.23	AV	321.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1444.867	41.52	74.0	32.48	Peak	203.00	200	Horizontal	Pass
1**	1444.867	31.97	54.0	22.03	AV	203.00	200	Horizontal	Pass
2	4280.312	48.96	74.0	25.04	Peak	282.00	200	Horizontal	Pass
2**	4280.312	40.04	54.0	13.96	AV	282.00	200	Horizontal	Pass
3	4991.439	50.70	74.0	23.30	Peak	115.00	200	Horizontal	Pass
3**	4991.439	41.37	54.0	12.64	AV	115.00	200	Horizontal	Pass
4	7555.097	56.68	74.0	17.32	Peak	49.00	300	Horizontal	Pass
4**	7555.097	47.41	54.0	6.60	AV	49.00	300	Horizontal	Pass
5	11487.470	50.29	74.0	23.71	Peak	112.00	200	Horizontal	Pass
5**	11487.470	39.61	54.0	14.39	AV	112.00	200	Horizontal	Pass
6	16077.401	51.96	74.0	22.04	Peak	142.00	400	Horizontal	Pass
6**	16077.401	42.51	54.0	11.49	AV	142.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1163.006	50.21	74.0	23.79	Peak	184.00	200	Vertical	Pass
1**	1163.006	31.68	54.0	22.32	AV	184.00	200	Vertical	Pass
2	1335.280	48.73	74.0	25.27	Peak	307.00	100	Vertical	Pass
2**	1335.280	35.67	54.0	18.33	AV	307.00	100	Vertical	Pass
3	4933.021	49.57	74.0	24.44	Peak	179.00	200	Vertical	Pass
3**	4933.021	37.94	54.0	16.06	AV	179.00	200	Vertical	Pass
4	7939.301	49.75	74.0	24.25	Peak	76.00	100	Vertical	Pass
4**	7939.301	40.84	54.0	13.16	AV	76.00	100	Vertical	Pass
5	12497.171	54.92	74.0	19.08	Peak	318.00	400	Vertical	Pass
5**	12497.171	43.69	54.0	10.31	AV	318.00	400	Vertical	Pass
6	17104.989	56.26	74.0	17.74	Peak	105.00	400	Vertical	Pass
6**	17104.989	44.73	54.0	9.27	AV	105.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1446.776	41.40	74.0	32.60	Peak	37.00	200	Horizontal	Pass
1**	1446.776	31.70	54.0	22.30	AV	37.00	200	Horizontal	Pass
2	4273.465	48.83	74.0	25.17	Peak	210.00	200	Horizontal	Pass
2**	4273.465	40.00	54.0	14.00	AV	210.00	200	Horizontal	Pass
3	4998.839	50.50	74.0	23.50	Peak	110.00	200	Horizontal	Pass
3**	4998.839	41.09	54.0	12.92	AV	110.00	200	Horizontal	Pass
4	7552.106	56.43	74.0	17.57	Peak	24.00	400	Horizontal	Pass
4**	7552.106	47.11	54.0	6.89	AV	24.00	400	Horizontal	Pass
5	11484.423	50.24	74.0	23.76	Peak	281.00	400	Horizontal	Pass
5**	11484.423	39.34	54.0	14.66	AV	281.00	400	Horizontal	Pass
6	16077.625	51.69	74.0	22.31	Peak	198.00	100	Horizontal	Pass
6**	16077.625	42.32	54.0	11.68	AV	198.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1158.353	50.18	74.0	23.82	Peak	352.00	300	Vertical	Pass
1**	1158.353	31.44	54.0	22.56	AV	352.00	300	Vertical	Pass
2	1335.945	48.61	74.0	25.39	Peak	244.00	400	Vertical	Pass
2**	1335.945	35.47	54.0	18.53	AV	244.00	400	Vertical	Pass
3	4932.600	49.31	74.0	24.69	Peak	353.00	200	Vertical	Pass
3**	4932.600	37.73	54.0	16.28	AV	353.00	200	Vertical	Pass
4	7942.074	49.57	74.0	24.43	Peak	45.00	400	Vertical	Pass
4**	7942.074	40.72	54.0	13.29	AV	45.00	400	Vertical	Pass
5	12494.438	54.86	74.0	19.14	Peak	208.00	300	Vertical	Pass
5**	12494.438	43.63	54.0	10.37	AV	208.00	300	Vertical	Pass
6	17098.980	56.01	74.0	17.99	Peak	156.00	100	Vertical	Pass
6**	17098.980	44.67	54.0	9.33	AV	156.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1446.659	41.36	74.0	32.64	Peak	63.00	300	Horizontal	Pass
1**	1446.659	31.43	54.0	22.57	AV	63.00	300	Horizontal	Pass
2	4274.355	48.71	74.0	25.29	Peak	25.00	200	Horizontal	Pass
2**	4274.355	39.78	54.0	14.22	AV	25.00	200	Horizontal	Pass
3	4992.022	50.26	74.0	23.74	Peak	279.00	200	Horizontal	Pass
3**	4992.022	40.92	54.0	13.08	AV	279.00	200	Horizontal	Pass
4	7558.934	56.23	74.0	17.77	Peak	145.00	200	Horizontal	Pass
4**	7558.934	46.87	54.0	7.13	AV	145.00	200	Horizontal	Pass
5	11485.984	50.03	74.0	23.97	Peak	116.00	100	Horizontal	Pass
5**	11485.984	39.24	54.0	14.77	AV	116.00	100	Horizontal	Pass
6	16083.101	51.69	74.0	22.32	Peak	272.00	100	Horizontal	Pass
6**	16083.101	42.14	54.0	11.86	AV	272.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1155.685	50.16	74.0	23.84	Peak	84.00	100	Vertical	Pass
1**	1155.685	31.18	54.0	22.82	AV	84.00	100	Vertical	Pass
2	1338.116	48.33	74.0	25.67	Peak	215.00	100	Vertical	Pass
2**	1338.116	35.47	54.0	18.53	AV	215.00	100	Vertical	Pass
3	4932.875	49.31	74.0	24.69	Peak	263.00	200	Vertical	Pass
3**	4932.875	37.47	54.0	16.53	AV	263.00	200	Vertical	Pass
4	7935.350	49.39	74.0	24.61	Peak	42.00	300	Vertical	Pass
4**	7935.350	40.42	54.0	13.58	AV	42.00	300	Vertical	Pass
5	12490.171	54.63	74.0	19.37	Peak	269.00	100	Vertical	Pass
5**	12490.171	43.60	54.0	10.41	AV	269.00	100	Vertical	Pass
6	17101.363	56.00	74.0	18.00	Peak	310.00	200	Vertical	Pass
6**	17101.363	44.65	54.0	9.35	AV	310.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1445.775	41.14	74.0	32.86	Peak	236.00	100	Horizontal	Pass
1**	1445.775	31.29	54.0	22.71	AV	236.00	100	Horizontal	Pass
2	4278.088	48.48	74.0	25.52	Peak	107.00	400	Horizontal	Pass
2**	4278.088	39.54	54.0	14.46	AV	107.00	400	Horizontal	Pass
3	4994.721	50.16	74.0	23.84	Peak	3.00	200	Horizontal	Pass
3**	4994.721	40.87	54.0	13.13	AV	3.00	200	Horizontal	Pass
4	7558.992	56.21	74.0	17.79	Peak	9.00	200	Horizontal	Pass
4**	7558.992	46.79	54.0	7.21	AV	9.00	200	Horizontal	Pass
5	11484.792	49.87	74.0	24.13	Peak	59.00	300	Horizontal	Pass
5**	11484.792	38.95	54.0	15.05	AV	59.00	300	Horizontal	Pass
6	16082.576	51.44	74.0	22.56	Peak	206.00	400	Horizontal	Pass
6**	16082.576	42.04	54.0	11.96	AV	206.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1162.810	49.91	74.0	24.09	Peak	122.00	100	Vertical	Pass
1**	1162.810	31.04	54.0	22.97	AV	122.00	100	Vertical	Pass
2	1332.641	48.12	74.0	25.88	Peak	355.00	400	Vertical	Pass
2**	1332.641	35.39	54.0	18.61	AV	355.00	400	Vertical	Pass
3	4926.029	49.18	74.0	24.82	Peak	345.00	200	Vertical	Pass
3**	4926.029	37.18	54.0	16.82	AV	345.00	200	Vertical	Pass
4	7936.272	49.28	74.0	24.72	Peak	310.00	100	Vertical	Pass
4**	7936.272	40.31	54.0	13.70	AV	310.00	100	Vertical	Pass
5	12495.258	54.58	74.0	19.42	Peak	199.00	200	Vertical	Pass
5**	12495.258	43.39	54.0	10.61	AV	199.00	200	Vertical	Pass
6	17099.761	55.97	74.0	18.03	Peak	150.00	400	Vertical	Pass
6**	17099.761	44.39	54.0	9.61	AV	150.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1441.655	40.99	74.0	33.02	Peak	253.00	200	Horizontal	Pass
1**	1441.655	31.21	54.0	22.79	AV	253.00	200	Horizontal	Pass
2	4279.856	48.18	74.0	25.82	Peak	297.00	300	Horizontal	Pass
2**	4279.856	39.26	54.0	14.75	AV	297.00	300	Horizontal	Pass
3	4994.038	50.09	74.0	23.92	Peak	51.00	200	Horizontal	Pass
3**	4994.038	40.72	54.0	13.28	AV	51.00	200	Horizontal	Pass
4	7556.524	56.14	74.0	17.86	Peak	62.00	300	Horizontal	Pass
4**	7556.524	46.65	54.0	7.35	AV	62.00	300	Horizontal	Pass
5	11485.428	49.73	74.0	24.27	Peak	72.00	100	Horizontal	Pass
5**	11485.428	38.76	54.0	15.24	AV	72.00	100	Horizontal	Pass
6	16079.960	51.43	74.0	22.57	Peak	191.00	200	Horizontal	Pass
6**	16079.960	41.77	54.0	12.23	AV	191.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1155.312	49.64	74.0	24.36	Peak	292.00	200	Vertical	Pass
1**	1155.312	30.95	54.0	23.05	AV	292.00	200	Vertical	Pass
2	1332.199	47.97	74.0	26.03	Peak	344.00	300	Vertical	Pass
2**	1332.199	35.13	54.0	18.87	AV	344.00	300	Vertical	Pass
3	4926.559	48.92	74.0	25.08	Peak	333.00	200	Vertical	Pass
3**	4926.559	36.94	54.0	17.06	AV	333.00	200	Vertical	Pass
4	7935.193	49.07	74.0	24.93	Peak	321.00	400	Vertical	Pass
4**	7935.193	40.06	54.0	13.94	AV	321.00	400	Vertical	Pass
5	12495.160	54.34	74.0	19.66	Peak	145.00	300	Vertical	Pass
5**	12495.160	43.32	54.0	10.68	AV	145.00	300	Vertical	Pass
6	17098.287	55.89	74.0	18.11	Peak	248.00	400	Vertical	Pass
6**	17098.287	44.32	54.0	9.68	AV	248.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1443.747	41.50	74.0	32.51	Peak	263.00	100	Horizontal	Pass
1**	1443.747	31.99	54.0	22.01	AV	263.00	100	Horizontal	Pass
2	4273.748	48.87	74.0	25.13	Peak	202.00	400	Horizontal	Pass
2**	4273.748	40.24	54.0	13.76	AV	202.00	400	Horizontal	Pass
3	4997.228	50.85	74.0	23.15	Peak	85.00	200	Horizontal	Pass
3**	4997.228	41.29	54.0	12.72	AV	85.00	200	Horizontal	Pass
4	7554.338	56.49	74.0	17.51	Peak	186.00	100	Horizontal	Pass
4**	7554.338	47.61	54.0	6.39	AV	186.00	100	Horizontal	Pass
5	11484.270	50.40	74.0	23.60	Peak	43.00	100	Horizontal	Pass
5**	11484.270	39.50	54.0	14.50	AV	43.00	100	Horizontal	Pass
6	16080.124	52.13	74.0	21.87	Peak	67.00	200	Horizontal	Pass
6**	16080.124	42.30	54.0	11.70	AV	67.00	200	Horizontal	Pass

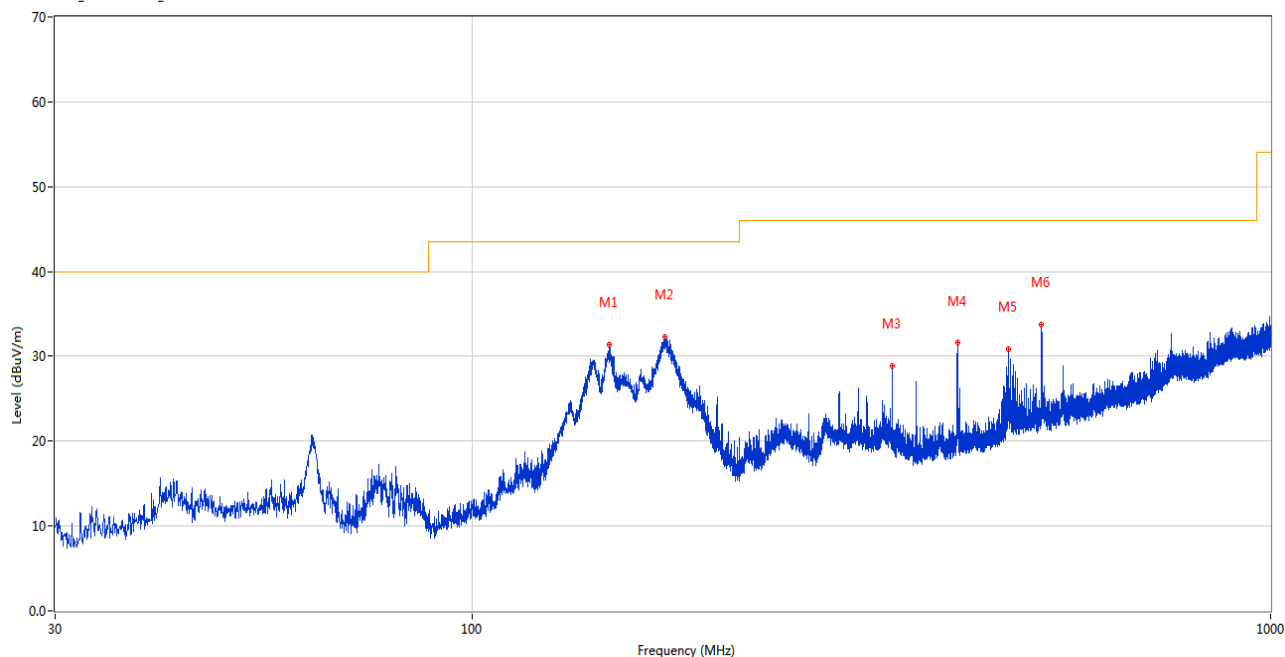
11n40, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1163.147	50.48	74.0	23.52	Peak	132.00	200	Vertical	Pass
1**	1163.147	31.83	54.0	22.17	AV	132.00	200	Vertical	Pass
2	1333.806	48.86	74.0	25.14	Peak	12.00	100	Vertical	Pass
2**	1333.806	35.96	54.0	18.04	AV	12.00	100	Vertical	Pass
3	4930.271	49.75	74.0	24.25	Peak	353.00	200	Vertical	Pass
3**	4930.271	38.08	54.0	15.92	AV	353.00	200	Vertical	Pass
4	7942.339	49.98	74.0	24.02	Peak	102.00	100	Vertical	Pass
4**	7942.339	41.00	54.0	13.00	AV	102.00	100	Vertical	Pass
5	12493.006	55.05	74.0	18.95	Peak	153.00	200	Vertical	Pass
5**	12493.006	43.64	54.0	10.36	AV	153.00	200	Vertical	Pass
6	17099.768	56.17	74.0	17.84	Peak	218.00	300	Vertical	Pass
6**	17099.768	44.69	54.0	9.31	AV	218.00	300	Vertical	Pass

C5M

30 MHz to 1 GHz, ANT H

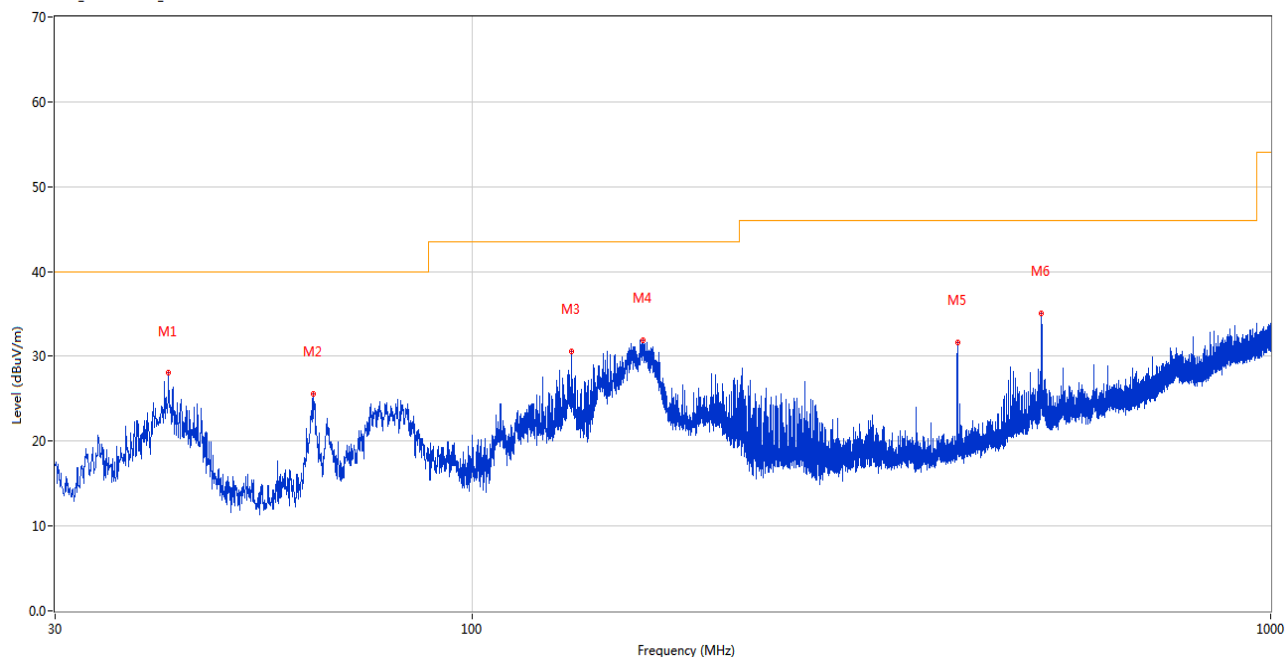
RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	148.534	31.42	-28.78	43.5	12.08	Peak	184.70	200	Horizontal	Pass
2	174.045	32.26	-26.83	43.5	11.24	Peak	217.40	200	Horizontal	Pass
3	335.986	28.92	-20.13	46.0	17.08	Peak	253.10	100	Horizontal	Pass
4	405.584	31.58	-18.12	46.0	14.42	Peak	6.60	100	Horizontal	Pass
5	469.458	30.80	-17.03	46.0	15.20	Peak	360.00	100	Horizontal	Pass
6	516.601	33.80	-15.48	46.0	12.20	Peak	96.30	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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

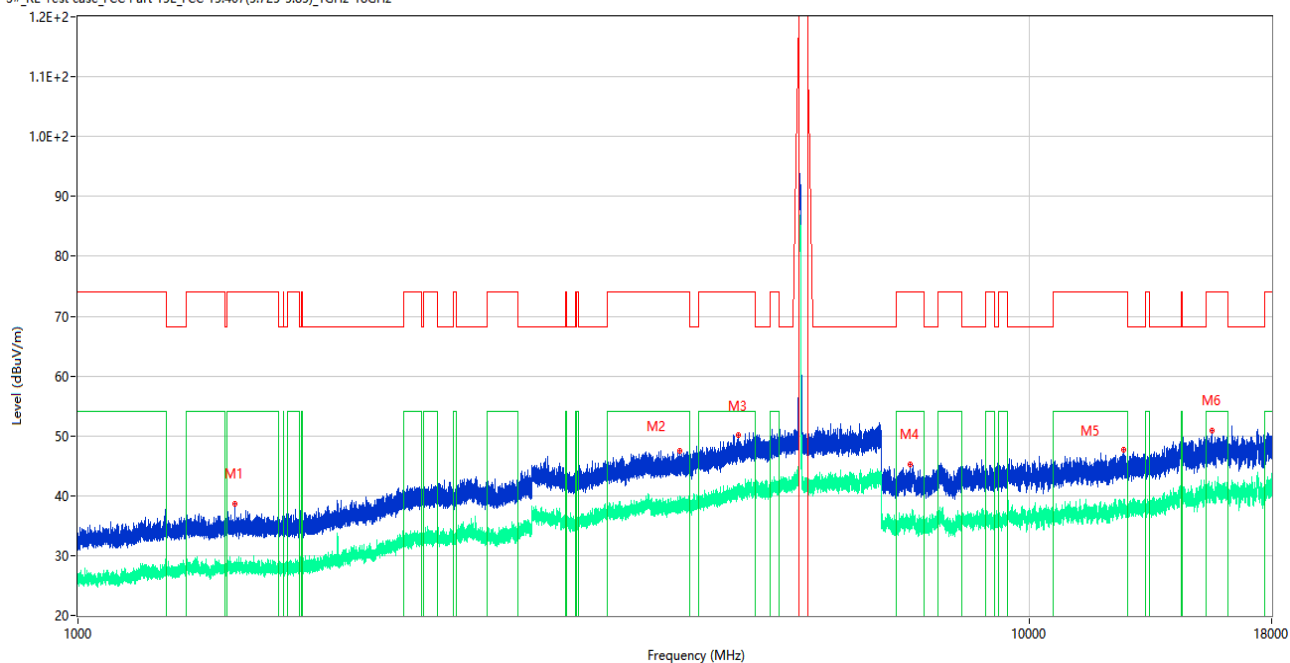


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	41.640	28.02	-25.19	40.0	11.98	Peak	144.20	100	Vertical	Pass
2	63.126	25.55	-26.15	40.0	14.45	Peak	243.70	100	Vertical	Pass
3	133.014	30.63	-28.40	43.5	12.87	Peak	132.00	100	Vertical	Pass
4	163.327	31.91	-27.55	43.5	11.59	Peak	203.40	100	Vertical	Pass
5	405.633	31.59	-18.12	46.0	14.41	Peak	18.20	100	Vertical	Pass
6	516.601	35.02	-15.48	46.0	10.98	Peak	284.00	100	Vertical	Pass

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

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

3# RE Test case_FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1463.683	38.84	74.0	35.16	Peak	253.00	300	Horizontal	Pass
1**	1463.683	27.64	54.0	26.37	AV	253.00	300	Horizontal	Pass
2	4293.227	47.65	74.0	26.35	Peak	259.00	200	Horizontal	Pass
2**	4293.227	38.17	54.0	15.83	AV	259.00	200	Horizontal	Pass
3	4942.062	50.33	74.0	23.67	Peak	23.00	200	Horizontal	Pass
3**	4942.062	41.48	54.0	12.52	AV	23.00	200	Horizontal	Pass
4	7506.918	45.33	74.0	28.68	Peak	357.00	200	Horizontal	Pass
4**	7506.918	36.02	54.0	17.98	AV	357.00	200	Horizontal	Pass
5	12581.447	47.79	74.0	26.21	Peak	147.00	200	Horizontal	Pass
5**	12581.447	38.38	54.0	15.62	AV	147.00	200	Horizontal	Pass
6	15571.176	50.93	74.0	23.07	Peak	263.00	100	Horizontal	Pass
6**	15571.176	43.60	54.0	10.40	AV	263.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1162.897	40.40	74.0	33.61	Peak	138.00	400	Vertical	Pass
1**	1162.897	31.89	54.0	22.11	AV	138.00	400	Vertical	Pass
2	1330.618	48.97	74.0	25.03	Peak	337.00	400	Vertical	Pass
2**	1330.618	36.11	54.0	17.90	AV	337.00	400	Vertical	Pass
3	4930.255	50.18	74.0	23.82	Peak	29.00	200	Vertical	Pass
3**	4930.255	38.21	54.0	15.79	AV	29.00	200	Vertical	Pass
4	7938.648	49.82	74.0	24.18	Peak	323.00	200	Vertical	Pass
4**	7938.648	39.88	54.0	14.12	AV	323.00	200	Vertical	Pass
5	12496.489	55.49	74.0	18.51	Peak	104.00	100	Vertical	Pass
5**	12496.489	38.92	54.0	15.08	AV	104.00	100	Vertical	Pass
6	17099.736	52.24	74.0	21.76	Peak	311.00	100	Vertical	Pass
6**	17099.736	39.70	54.0	14.30	AV	311.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1458.257	38.62	74.0	35.38	Peak	71.00	300	Horizontal	Pass
1**	1458.257	27.50	54.0	26.50	AV	71.00	300	Horizontal	Pass
2	4297.711	47.41	74.0	26.59	Peak	94.00	100	Horizontal	Pass
2**	4297.711	37.95	54.0	16.06	AV	94.00	100	Horizontal	Pass
3	4941.638	50.19	74.0	23.81	Peak	107.00	200	Horizontal	Pass
3**	4941.638	41.46	54.0	12.54	AV	107.00	200	Horizontal	Pass
4	7506.668	45.06	74.0	28.94	Peak	188.00	300	Horizontal	Pass
4**	7506.668	36.01	54.0	17.99	AV	188.00	300	Horizontal	Pass
5	12583.994	47.66	74.0	26.34	Peak	117.00	400	Horizontal	Pass
5**	12583.994	38.33	54.0	15.67	AV	117.00	400	Horizontal	Pass
6	15570.165	50.74	74.0	23.26	Peak	302.00	200	Horizontal	Pass
6**	15570.165	41.30	54.0	12.70	AV	302.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1161.335	40.31	74.0	33.69	Peak	21.00	400	Vertical	Pass
1**	1161.335	31.84	54.0	22.16	AV	21.00	400	Vertical	Pass
2	1331.505	48.82	74.0	25.19	Peak	237.00	300	Vertical	Pass
2**	1331.505	36.06	54.0	17.94	AV	237.00	300	Vertical	Pass
3	4932.698	50.06	74.0	23.94	Peak	36.00	200	Vertical	Pass
3**	4932.698	38.10	54.0	15.90	AV	36.00	200	Vertical	Pass
4	7941.371	49.57	74.0	24.43	Peak	181.00	100	Vertical	Pass

4**	7941.371	39.78	54.0	14.23	AV	181.00	100	Vertical	Pass
5	12493.149	55.39	74.0	18.61	Peak	229.00	100	Vertical	Pass
5**	12493.149	38.82	54.0	15.19	AV	229.00	100	Vertical	Pass
6	17105.116	52.14	74.0	21.86	Peak	252.00	300	Vertical	Pass
6**	17105.116	39.61	54.0	14.39	AV	252.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1460.883	38.50	74.0	35.50	Peak	289.00	400	Horizontal	Pass
1**	1460.883	27.22	54.0	26.79	AV	289.00	400	Horizontal	Pass
2	4294.795	47.31	74.0	26.69	Peak	259.00	400	Horizontal	Pass
2**	4294.795	37.89	54.0	16.12	AV	259.00	400	Horizontal	Pass
3	4944.263	50.14	74.0	23.87	Peak	210.00	200	Horizontal	Pass
3**	4944.263	41.30	54.0	12.71	AV	210.00	200	Horizontal	Pass
4	7512.917	44.88	74.0	29.12	Peak	82.00	400	Horizontal	Pass
4**	7512.917	35.79	54.0	18.22	AV	82.00	400	Horizontal	Pass
5	12584.423	47.61	74.0	26.39	Peak	202.00	100	Horizontal	Pass
5**	12584.423	38.15	54.0	15.85	AV	202.00	100	Horizontal	Pass
6	15567.931	50.48	74.0	23.53	Peak	109.00	400	Horizontal	Pass
6**	15567.931	41.23	54.0	12.78	AV	109.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1162.368	40.08	74.0	33.92	Peak	28.00	400	Vertical	Pass
1**	1162.368	31.81	54.0	22.19	AV	28.00	400	Vertical	Pass
2	1334.086	48.81	74.0	25.19	Peak	314.00	400	Vertical	Pass
2**	1334.086	35.94	54.0	18.06	AV	314.00	400	Vertical	Pass
3	4933.126	49.99	74.0	24.01	Peak	241.00	200	Vertical	Pass
3**	4933.126	38.00	54.0	16.00	AV	241.00	200	Vertical	Pass
4	7934.531	49.57	74.0	24.43	Peak	233.00	100	Vertical	Pass
4**	7934.531	39.74	54.0	14.26	AV	233.00	100	Vertical	Pass
5	12495.502	55.39	74.0	18.61	Peak	101.00	300	Vertical	Pass
5**	12495.502	38.63	54.0	15.37	AV	101.00	300	Vertical	Pass
6	17102.113	52.09	74.0	21.91	Peak	264.00	400	Vertical	Pass
6**	17102.113	39.49	54.0	14.51	AV	264.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1458.372	38.35	74.0	35.65	Peak	111.00	400	Horizontal	Pass
1**	1458.372	26.98	54.0	27.02	AV	111.00	400	Horizontal	Pass
2	4294.693	47.17	74.0	26.83	Peak	349.00	100	Horizontal	Pass
2**	4294.693	37.86	54.0	16.14	AV	349.00	100	Horizontal	Pass
3	4944.425	50.02	74.0	23.98	Peak	181.00	200	Horizontal	Pass
3**	4944.425	41.27	54.0	12.73	AV	181.00	200	Horizontal	Pass
4	7506.954	44.77	74.0	29.23	Peak	291.00	400	Horizontal	Pass
4**	7506.954	35.65	54.0	18.35	AV	291.00	400	Horizontal	Pass
5	12577.218	47.39	74.0	26.61	Peak	344.00	200	Horizontal	Pass
5**	12577.218	38.11	54.0	15.89	AV	344.00	200	Horizontal	Pass
6	15571.642	50.34	74.0	23.66	Peak	50.00	400	Horizontal	Pass
6**	15571.642	41.05	54.0	12.95	AV	50.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1155.477	39.88	74.0	34.12	Peak	2.00	300	Vertical	Pass
1**	1155.477	31.79	54.0	22.21	AV	2.00	300	Vertical	Pass
2	1332.102	48.57	74.0	25.43	Peak	75.00	400	Vertical	Pass
2**	1332.102	35.74	54.0	18.27	AV	75.00	400	Vertical	Pass
3	4931.399	49.96	74.0	24.04	Peak	169.00	200	Vertical	Pass
3**	4931.399	37.94	54.0	16.07	AV	169.00	200	Vertical	Pass
4	7937.923	49.32	74.0	24.68	Peak	243.00	100	Vertical	Pass
4**	7937.923	39.72	54.0	14.28	AV	243.00	100	Vertical	Pass
5	12494.836	55.12	74.0	18.88	Peak	84.00	100	Vertical	Pass
5**	12494.836	38.47	54.0	15.53	AV	84.00	100	Vertical	Pass
6	17099.359	52.00	74.0	22.00	Peak	122.00	300	Vertical	Pass
6**	17099.359	39.26	54.0	14.74	AV	122.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1463.654	38.20	74.0	35.81	Peak	182.00	400	Horizontal	Pass
1**	1463.654	26.81	54.0	27.19	AV	182.00	400	Horizontal	Pass
2	4299.644	46.90	74.0	27.10	Peak	77.00	300	Horizontal	Pass
2**	4299.644	37.61	54.0	16.39	AV	77.00	300	Horizontal	Pass
3	4945.252	49.76	74.0	24.24	Peak	23.00	200	Horizontal	Pass
3**	4945.252	41.25	54.0	12.75	AV	23.00	200	Horizontal	Pass
4	7508.111	44.69	74.0	29.31	Peak	36.00	100	Horizontal	Pass
4**	7508.111	35.38	54.0	18.62	AV	36.00	100	Horizontal	Pass
5	12579.545	47.24	74.0	26.76	Peak	53.00	300	Horizontal	Pass
5**	12579.545	37.84	54.0	16.16	AV	53.00	300	Horizontal	Pass
6	15567.098	50.33	74.0	23.67	Peak	59.00	300	Horizontal	Pass
6**	15567.098	41.00	54.0	13.00	AV	59.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1162.318	39.79	74.0	34.21	Peak	122.00	400	Vertical	Pass
1**	1162.318	31.65	54.0	22.35	AV	122.00	400	Vertical	Pass
2	1333.367	48.44	74.0	25.56	Peak	242.00	100	Vertical	Pass
2**	1333.367	35.68	54.0	18.32	AV	242.00	100	Vertical	Pass
3	4930.869	49.69	74.0	24.31	Peak	178.00	200	Vertical	Pass
3**	4930.869	37.72	54.0	16.28	AV	178.00	200	Vertical	Pass
4	7942.063	49.12	74.0	24.88	Peak	0.00	300	Vertical	Pass
4**	7942.063	39.65	54.0	14.35	AV	0.00	300	Vertical	Pass
5	12493.841	55.02	74.0	18.98	Peak	294.00	200	Vertical	Pass
5**	12493.841	38.27	54.0	15.73	AV	294.00	200	Vertical	Pass
6	17103.026	51.71	74.0	22.29	Peak	91.00	400	Vertical	Pass
6**	17103.026	39.08	54.0	14.92	AV	91.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1465.557	37.97	74.0	36.03	Peak	7.00	400	Horizontal	Pass
1**	1465.557	26.64	54.0	27.36	AV	7.00	400	Horizontal	Pass
2	4293.275	46.69	74.0	27.31	Peak	40.00	200	Horizontal	Pass
2**	4293.275	37.60	54.0	16.40	AV	40.00	200	Horizontal	Pass
3	4943.789	49.69	74.0	24.32	Peak	354.00	200	Horizontal	Pass
3**	4943.789	41.02	54.0	12.98	AV	354.00	200	Horizontal	Pass
4	7509.110	44.66	74.0	29.34	Peak	118.00	400	Horizontal	Pass
4**	7509.110	35.16	54.0	18.84	AV	118.00	400	Horizontal	Pass
5	12580.241	46.96	74.0	27.04	Peak	268.00	300	Horizontal	Pass
5**	12580.241	37.82	54.0	16.18	AV	268.00	300	Horizontal	Pass
6	15569.821	50.19	74.0	23.81	Peak	11.00	400	Horizontal	Pass
6**	15569.821	40.97	54.0	13.03	AV	11.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1161.283	39.63	74.0	34.37	Peak	337.00	400	Vertical	Pass
1**	1161.283	31.48	54.0	22.52	AV	337.00	400	Vertical	Pass
2	1335.748	48.21	74.0	25.79	Peak	128.00	400	Vertical	Pass
2**	1335.748	35.58	54.0	18.42	AV	128.00	400	Vertical	Pass
3	4926.954	49.55	74.0	24.45	Peak	1.00	200	Vertical	Pass
3**	4926.954	37.64	54.0	16.36	AV	1.00	200	Vertical	Pass
4	7941.938	49.06	74.0	24.94	Peak	353.00	200	Vertical	Pass
4**	7941.938	39.62	54.0	14.38	AV	353.00	200	Vertical	Pass
5	12489.518	54.79	74.0	19.21	Peak	91.00	300	Vertical	Pass
5**	12489.518	38.18	54.0	15.83	AV	91.00	300	Vertical	Pass
6	17100.267	51.48	74.0	22.52	Peak	155.00	400	Vertical	Pass
6**	17100.267	38.85	54.0	15.15	AV	155.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1459.029	37.82	74.0	36.18	Peak	179.00	200	Horizontal	Pass
1**	1459.029	26.52	54.0	27.48	AV	179.00	200	Horizontal	Pass
2	4297.094	46.62	74.0	27.38	Peak	12.00	300	Horizontal	Pass
2**	4297.094	37.54	54.0	16.46	AV	12.00	300	Horizontal	Pass
3	4946.499	49.59	74.0	24.41	Peak	183.00	200	Horizontal	Pass
3**	4946.499	40.97	54.0	13.04	AV	183.00	200	Horizontal	Pass
4	7506.531	44.60	74.0	29.40	Peak	271.00	400	Horizontal	Pass
4**	7506.531	34.97	54.0	19.03	AV	271.00	400	Horizontal	Pass
5	12583.378	46.80	74.0	27.20	Peak	179.00	400	Horizontal	Pass
5**	12583.378	37.67	54.0	16.33	AV	179.00	400	Horizontal	Pass
6	15567.383	50.08	74.0	23.92	Peak	137.00	200	Horizontal	Pass
6**	15567.383	40.95	54.0	13.05	AV	137.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1156.655	39.37	74.0	34.63	Peak	234.00	200	Vertical	Pass
1**	1156.655	31.31	54.0	22.69	AV	234.00	200	Vertical	Pass
2	1335.879	48.08	74.0	25.93	Peak	347.00	300	Vertical	Pass
2**	1335.879	35.54	54.0	18.46	AV	347.00	300	Vertical	Pass
3	4927.527	49.46	74.0	24.54	Peak	1.00	200	Vertical	Pass
3**	4927.527	37.59	54.0	16.41	AV	1.00	200	Vertical	Pass
4	7938.265	48.92	74.0	25.08	Peak	211.00	100	Vertical	Pass
4**	7938.265	39.44	54.0	14.56	AV	211.00	100	Vertical	Pass
5	12490.553	54.70	74.0	19.30	Peak	70.00	100	Vertical	Pass
5**	12490.553	37.99	54.0	16.01	AV	70.00	100	Vertical	Pass
6	17098.740	51.26	74.0	22.74	Peak	109.00	300	Vertical	Pass
6**	17098.740	38.81	54.0	15.19	AV	109.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1464.566	38.59	74.0	35.41	Peak	35.00	400	Horizontal	Pass
1**	1464.566	27.45	54.0	26.55	AV	35.00	400	Horizontal	Pass
2	4293.937	47.37	74.0	26.63	Peak	94.00	200	Horizontal	Pass
2**	4293.937	38.06	54.0	15.94	AV	94.00	200	Horizontal	Pass
3	4939.999	50.20	74.0	23.80	Peak	135.00	200	Horizontal	Pass
3**	4939.999	41.37	54.0	12.63	AV	135.00	200	Horizontal	Pass
4	7512.508	45.10	74.0	28.90	Peak	69.00	200	Horizontal	Pass
4**	7512.508	36.00	54.0	18.00	AV	69.00	200	Horizontal	Pass
5	12582.839	47.53	74.0	26.47	Peak	110.00	400	Horizontal	Pass
5**	12582.839	38.20	54.0	15.81	AV	110.00	400	Horizontal	Pass
6	15566.753	50.91	74.0	23.09	Peak	239.00	200	Horizontal	Pass
6**	15566.753	41.60	54.0	12.41	AV	239.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1155.637	40.26	74.0	33.74	Peak	75.00	100	Vertical	Pass
1**	1155.637	31.78	54.0	22.22	AV	75.00	100	Vertical	Pass
2	1333.926	48.71	74.0	25.29	Peak	95.00	100	Vertical	Pass
2**	1333.926	36.04	54.0	17.96	AV	95.00	100	Vertical	Pass
3	4932.856	49.97	74.0	24.03	Peak	355.00	200	Vertical	Pass
3**	4932.856	37.97	54.0	16.03	AV	355.00	200	Vertical	Pass
4	7939.837	49.60	74.0	24.40	Peak	289.00	100	Vertical	Pass
4**	7939.837	39.82	54.0	14.19	AV	289.00	100	Vertical	Pass
5	12494.856	55.32	74.0	18.68	Peak	289.00	300	Vertical	Pass
5**	12494.856	38.68	54.0	15.32	AV	289.00	300	Vertical	Pass
6	17103.515	52.09	74.0	21.92	Peak	152.00	300	Vertical	Pass
6**	17103.515	39.53	54.0	14.47	AV	152.00	300	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

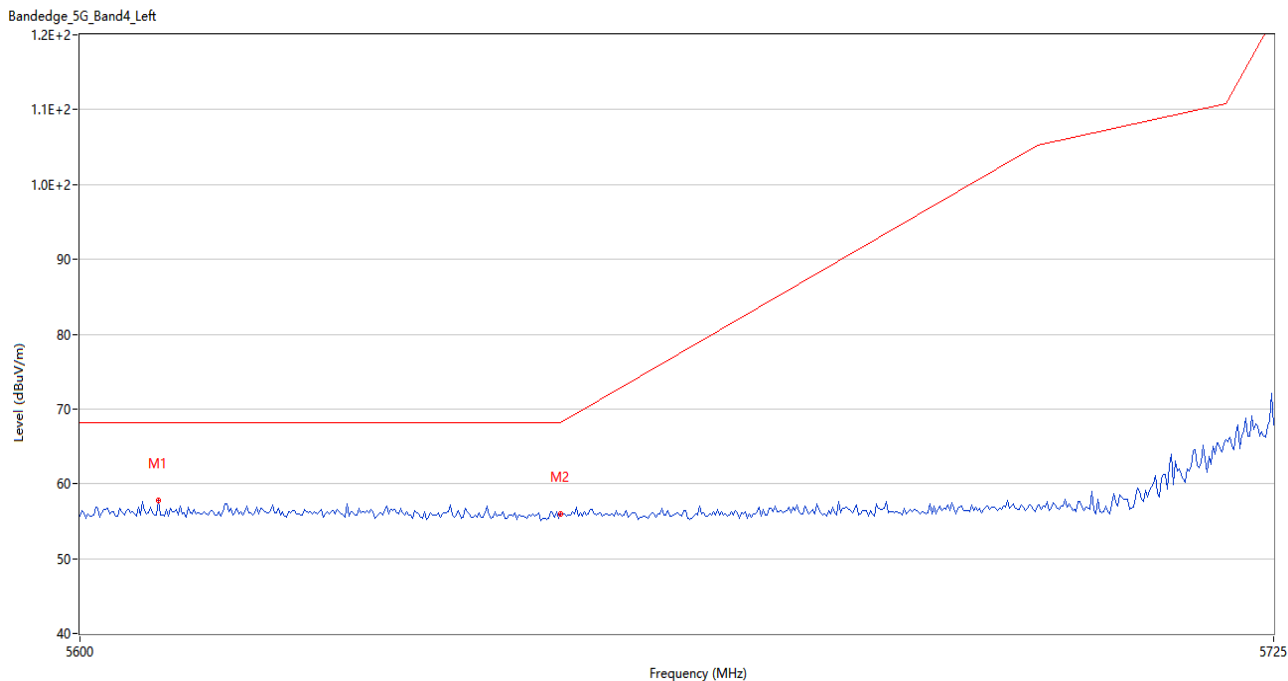
Test Band	Mode	Channel	Verdict
U-NII-3	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass

Note: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

C8M

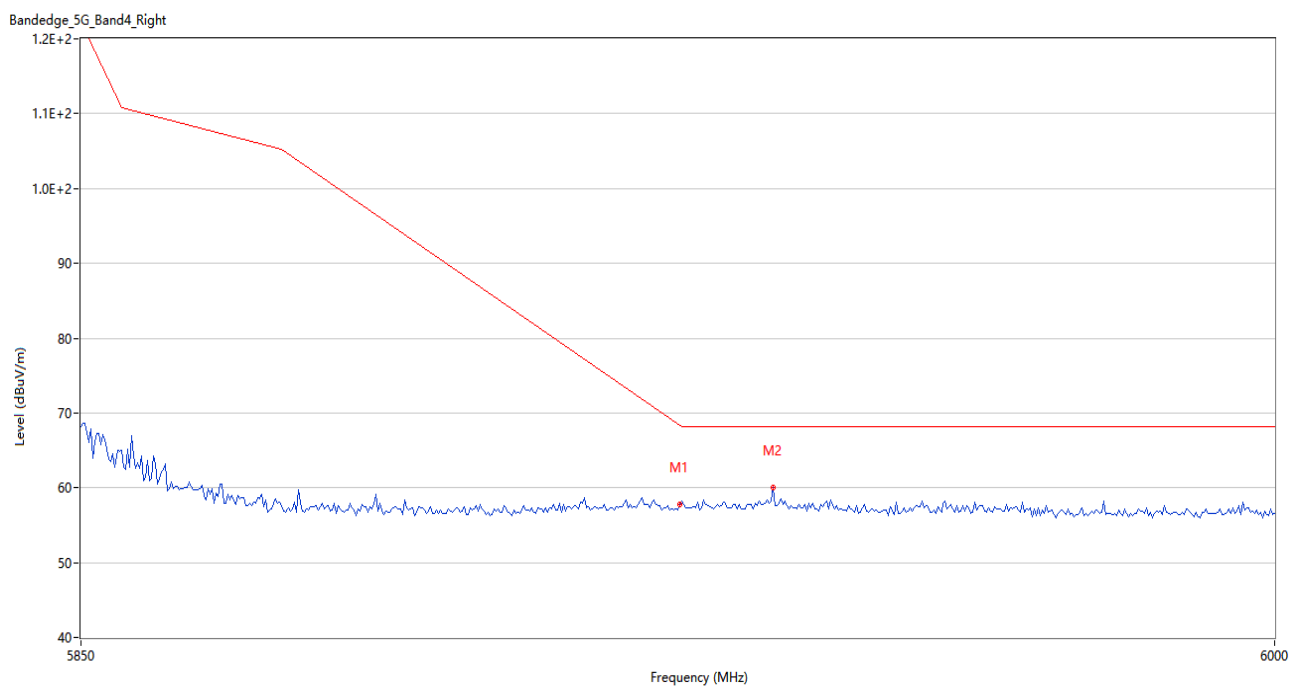
Test Data and Plots

U-NII-3 11a Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5607.128	57.69	68.2	10.51	Peak	115.00	100	Horizontal	Pass
2	5650.000	55.87	68.2	12.33	Peak	115.00	100	Horizontal	Pass

U-NII-3 11a High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	57.71	68.4	10.69	Peak	13.00	300	Horizontal	Pass
2	5936.680	59.91	68.2	8.29	Peak	265.00	300	Horizontal	Pass

U-NII-3 11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5604.095	55.768	68.2	12.43	Peak	270.00	200	Horizontal	Pass
2	5650.000	55.314	68.2	12.89	Peak	270.00	200	Horizontal	Pass

U-NII-3 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	57.602	68.4	10.80	Peak	311.00	300	Horizontal	Pass
2	5938.429	57.326	68.2	10.87	Peak	220.00	300	Horizontal	Pass

U-NII-3 11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5601.606	53.488	68.2	14.71	Peak	150.00	200	Horizontal	Pass
2	5650.000	52.934	68.2	15.27	Peak	150.00	200	Horizontal	Pass

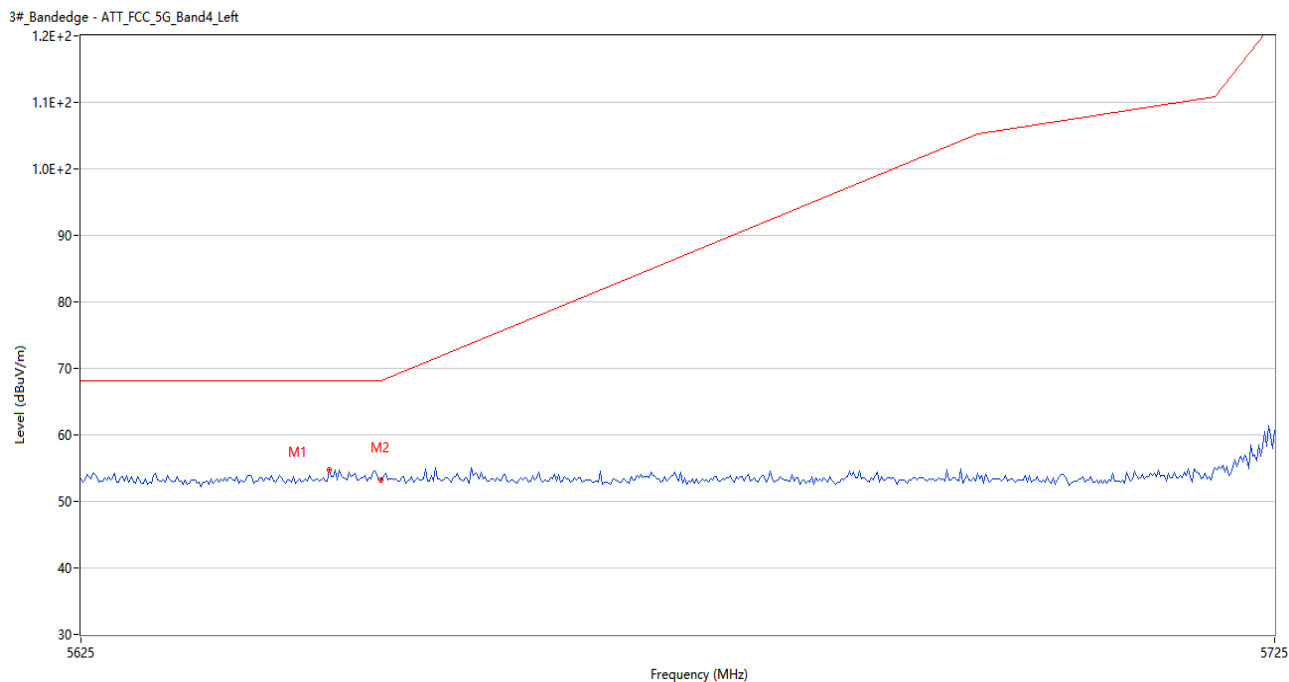
U-NII-3 11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	55.592	68.4	12.81	Peak	175.00	100	Horizontal	Pass
2	5939.470	56.766	68.2	11.43	Peak	94.00	300	Horizontal	Pass

C5M

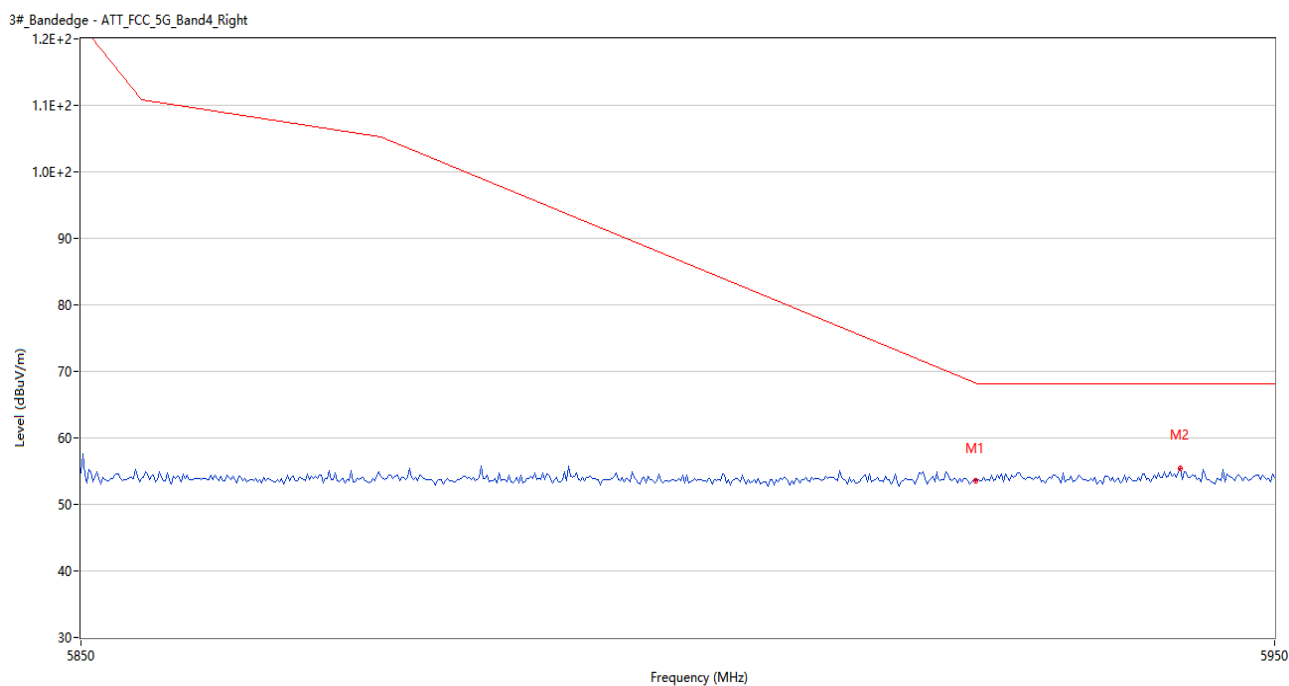
Test Data and Plots

U-NII-3 11a Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5645.430	55.76	68.2	12.44	Peak	75.00	300	Horizontal	Pass
2	5650.000	52.92	68.2	15.28	Peak	75.00	300	Horizontal	Pass

U-NII-3 11a High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	54.97	68.2	13.23	Peak	121.00	200	Horizontal	Pass
2	5944.522	56.47	68.2	11.73	Peak	265.00	300	Horizontal	Pass

U-NII-3 11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5643.983	55.741	68.2	12.46	Peak	48.00	100	Horizontal	Pass
2	5650.000	51.887	68.2	16.31	Peak	48.00	100	Horizontal	Pass

U-NII-3 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	53.931	68.2	14.27	Peak	330.00	300	Horizontal	Pass
2	5946.838	53.77	68.2	14.43	Peak	102.00	100	Horizontal	Pass

U-NII-3 11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5643.704	53.161	68.2	15.04	Peak	286.00	100	Horizontal	Pass
2	5650.000	49.047	68.2	19.15	Peak	286.00	100	Horizontal	Pass

U-NII-3 11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	54.161	68.2	14.04	Peak	346.00	200	Horizontal	Pass
2	5947.658	51.17	68.2	17.03	Peak	266.00	100	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ15C0294-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ15C0294-AW-1.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ15C0294-AI-1.PDF”.

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--END OF REPORT--