

TEST REPORT

Applicant: Botslab Inc.
Address: 919 North Market Street, Suite 950, Wilmington,
New Castle, Delaware, USA
Equipment Type: Dash Cam
Model Name: DC-BE08-M8 (refer to section 2.3)
Brand Name: Botslab
FCC ID: 2A22Z-HK40PLUS
Test Standard: 47 CFR Part 15 Subpart E
(refer to section 3.1)
Sample Arrival Date: Jan. 13, 2026
Test Date: Jan. 16, 2026 - Jan. 22, 2026
Date of Issue: Mar. 16, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Julie Zhu**Checked by:** Ye Hongji**Approved by:** Tolan Tu

(Testing Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Mar. 02, 2026</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Mar. 16, 2026</u>	<u>Add a Test Plot of section A.6.2 of U-NII-3 11a High Channel.</u>

TABLE OF CONTENTS

1	GENERAL INFORMATION.....	4
1.1	Test Laboratory	4
1.2	Test Location	4
2	PRODUCT INFORMATION	5
2.1	Applicant Information	5
2.2	Manufacturer Information.....	5
2.3	General Description for Equipment under Test (EUT).....	5
2.4	Technical Information	6
2.5	Channel List	7
3	SUMMARY OF TEST RESULTS	10
3.1	Test Standards	10
3.2	Test Verdict	10
4	GENERAL TEST CONFIGURATIONS	11
4.1	Test Environments.....	11
4.2	Test Equipment List.....	11
4.3	Test Software List.....	11
4.4	Measurement Uncertainty	12
4.5	Description of Test Setup	12
5	TEST ITEMS	15
5.1	RF Output Power	15
5.2	Emission Bandwidth and 6 dB Bandwidth.....	17
5.3	Power Spectral density (PSD)	18
5.4	Conducted Emission.....	19

5.5	Radiated Spurious Emissions and Band Edge (Restricted-band).....	20
ANNEX A	TEST RESULT	24
A.1	RF Output Power	24
A.2	Emission Bandwidth & 99% Bandwidth	25
A.3	6 dB Bandwidth	26
A.4	Power Spectral Density	27
A.5	Conducted Emissions	28
A.6	Radiated Spurious Emissions and Band Edge (Restricted-band).....	29
ANNEX B	TEST SETUP PHOTOS	55
ANNEX C	EUT EXTERNAL PHOTOS.....	55
ANNEX D	EUT INTERNAL PHOTOS.....	55

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
	☐ Building 2, Intelligent Connected Vehicle Industrial Park, No. 55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen, Guangdong Province, 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	Botslab Inc.
Address	919 North Market Street, Suite 950, Wilmington, New Castle, Delaware, USA

2.2 Manufacturer Information

Manufacturer	Botslab Inc.
Address	919 North Market Street, Suite 950, Wilmington, New Castle, Delaware, USA

2.3 General Description for Equipment under Test (EUT)

EUT Name	Dash Cam
Model Name Under Test	DC-BE08-M8
Series Model Name	DC-BE08-M8-V0, DC-BE08-M8-V1, DC-BE08-M8-V2, DC-BE08-M8-V3, DC-BE08-M8-V4, DC-BE08-M8-V5, DC-BE08-M8-V6, DC-BE08-M8-V7, DC-BE08-M8-V8, DC-BE08-M8-V9
Description of Model name differentiation	All models are same with electrical parameters and internal circuit structure, but only differ in appearance and model. (this information provided by the applicant)
Hardware Version	V1.3
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac and 802.11ax
-----------------------------------	---

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 Indoor for IC standard
Modulation technology	OFDM, OFDMA
Modulation Type	1024QAM, 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 802.11ax up to 1201 Mbps
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz 802.11ax: 20 MHz, 40 MHz
Maximum Output Power	U-NII-3: 3.78 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	Shrapnel Antenna
Antenna Gain	U-NII-3: 5725 MHz to 5850 MHz: 1.24 dBi
About the Product	The equipment is Dash Cam, intended for used with information technology equipment.

802.11ax RU configuration table							
Mode	Full RU (SU)	RU_26	RU_52	RU_106	RU_242	RU_484	RU_996
802.11ax20	√	--	--	--	--	--	--
802.11ax40	√	--	--	--	--	--	--

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)/ac(VHT20)/ax(HE20)

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

For 802.11n(HT40)/ac(VHT40)/ax(HE40)

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
	11ac(20 MHz)	6.5		165/157/149
	11ac(40 MHz)	13.5		159/151
	11ax(20 MHz)	4		165/157/149
	11ax(40 MHz)	8		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
	11ac(20 MHz)	6.5		165/157/149
	11ac(40 MHz)	13.5		159/151
	11ax(20 MHz)	4		165/157/149
	11ax(40 MHz)	8		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
	11ac(20 MHz)	6.5		165/157/149
	11ac(40 MHz)	13.5		159/151
	11ax(20 MHz)	4		165/157/149
	11ax(40 MHz)	8		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
	11ac(20 MHz)	6.5		165/157/149
	11ac(40 MHz)	13.5		159/151
	11ax(20 MHz)	4		165/157/149
	11ax(40 MHz)	8		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
	11ac(20 MHz)	6.5		165/157/149
	11ac(40 MHz)	13.5		159/151
	11ax(20 MHz)	4		165/157/149
	11ax(40 MHz)	8		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
	11ac(20 MHz)	6.5		165/149

	11ac(40 MHz)	13.5		159/151
	11ax(20 MHz)	4		165/149
	11ax(40 MHz)	8		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	N/A ^{Note2}
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: The EUT is used in vehicle environment, so this test item is not applicable.

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

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	41% to 60%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.7℃ to +24.5℃
Working Voltage of the EUT	NV (Normal Voltage)	5V

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	BBHA 9120D	02459	2023.10.26	2026.10.25
Test Antenna-Loop	Schwarzbeck	FMZB 1513-60	00015	2024.05.07	2026.05.06
Anechoic Chamber	YIHENG	C8-966	N/A	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

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%

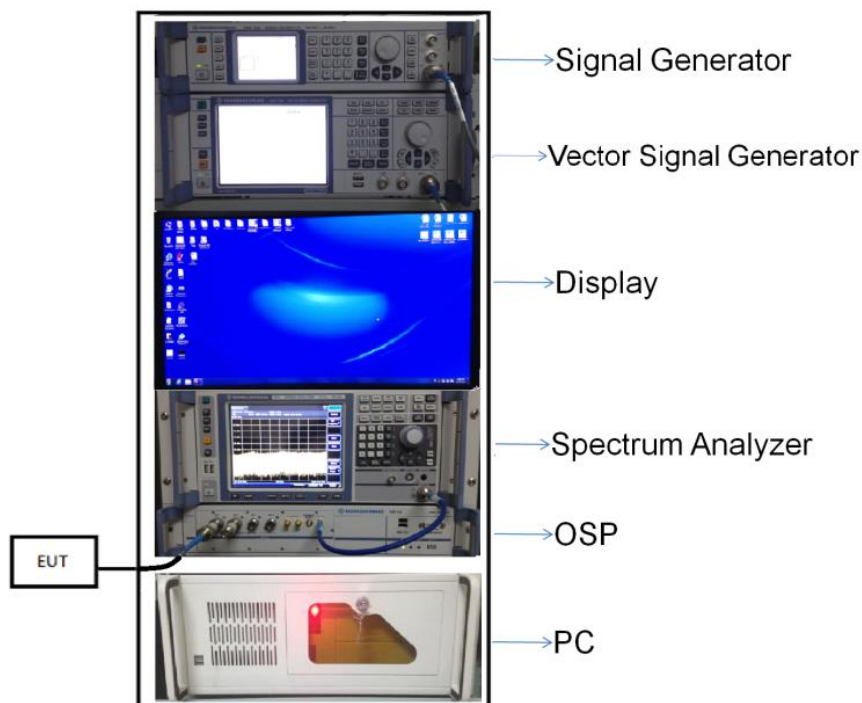
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

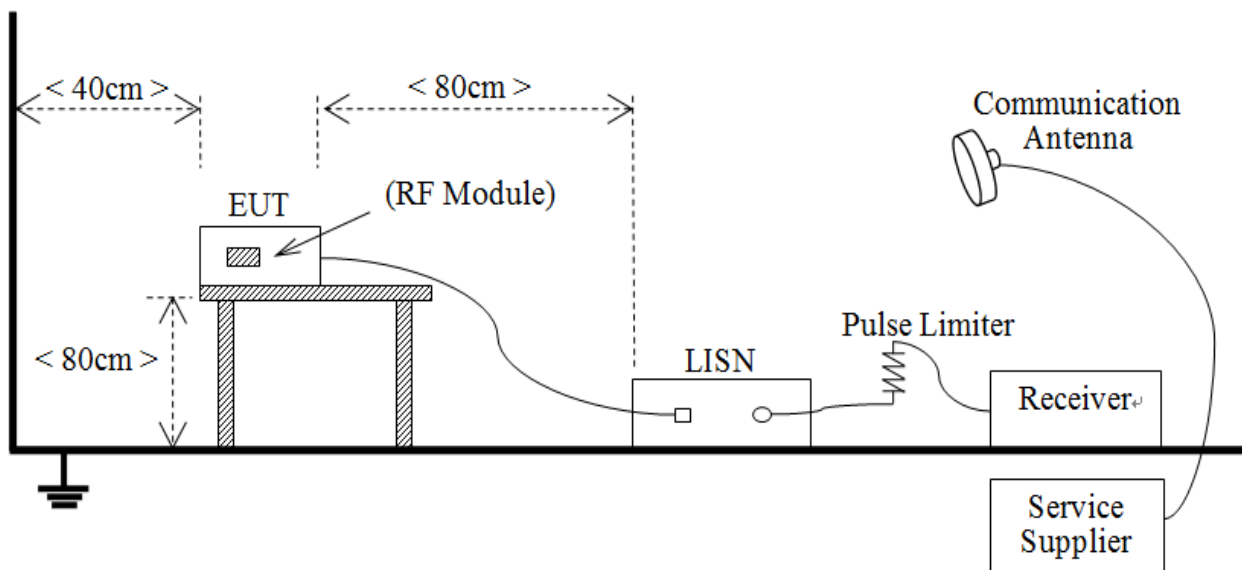
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



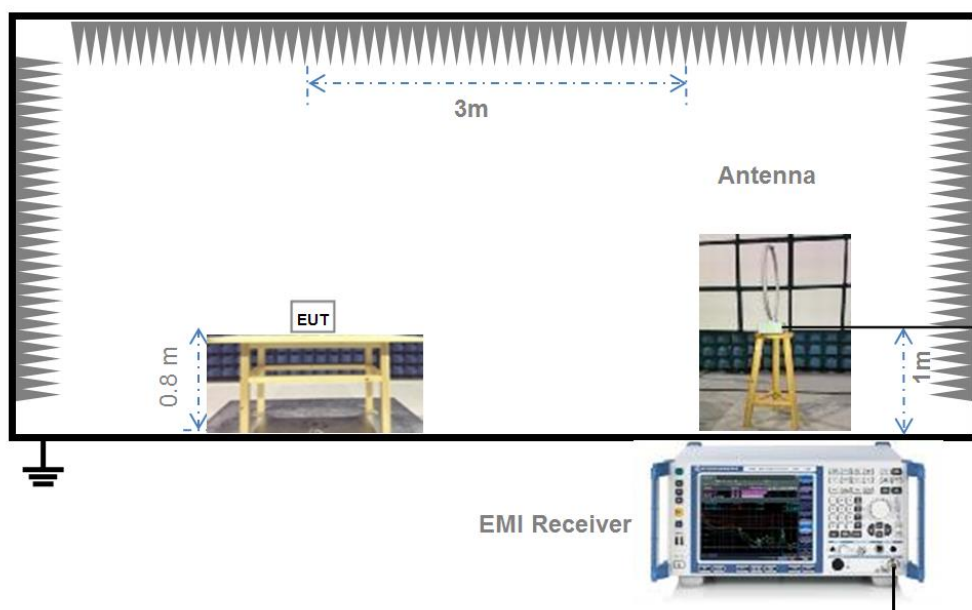
(Diagram 1)

4.5.2 For AC Power Supply Port Test



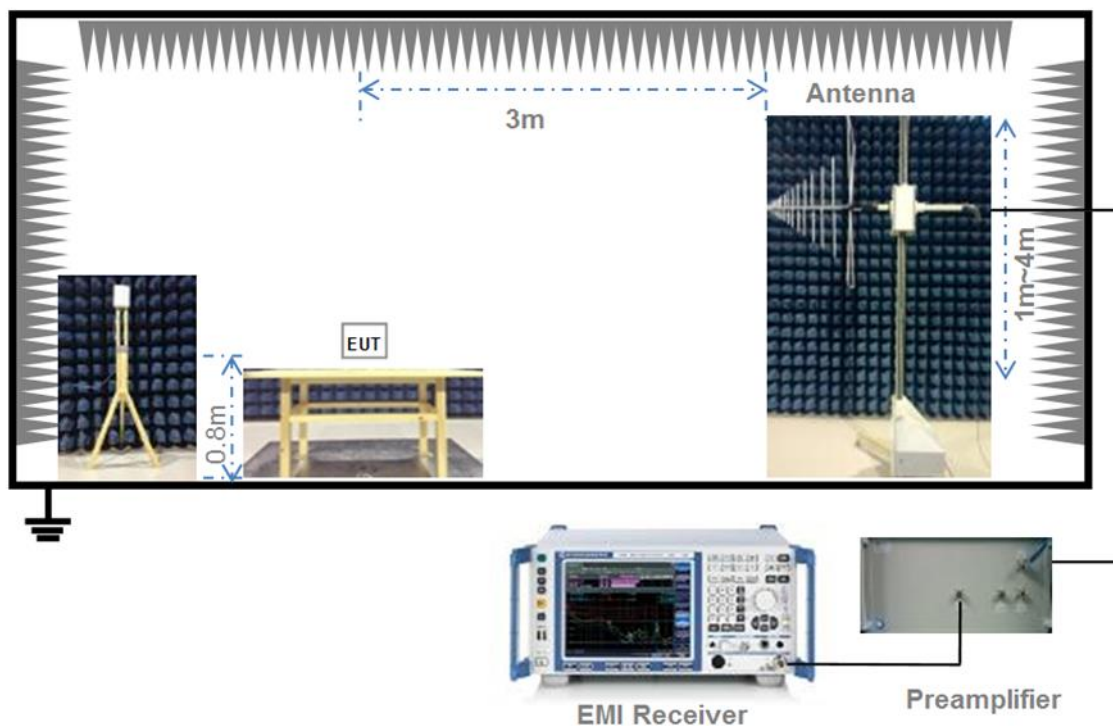
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



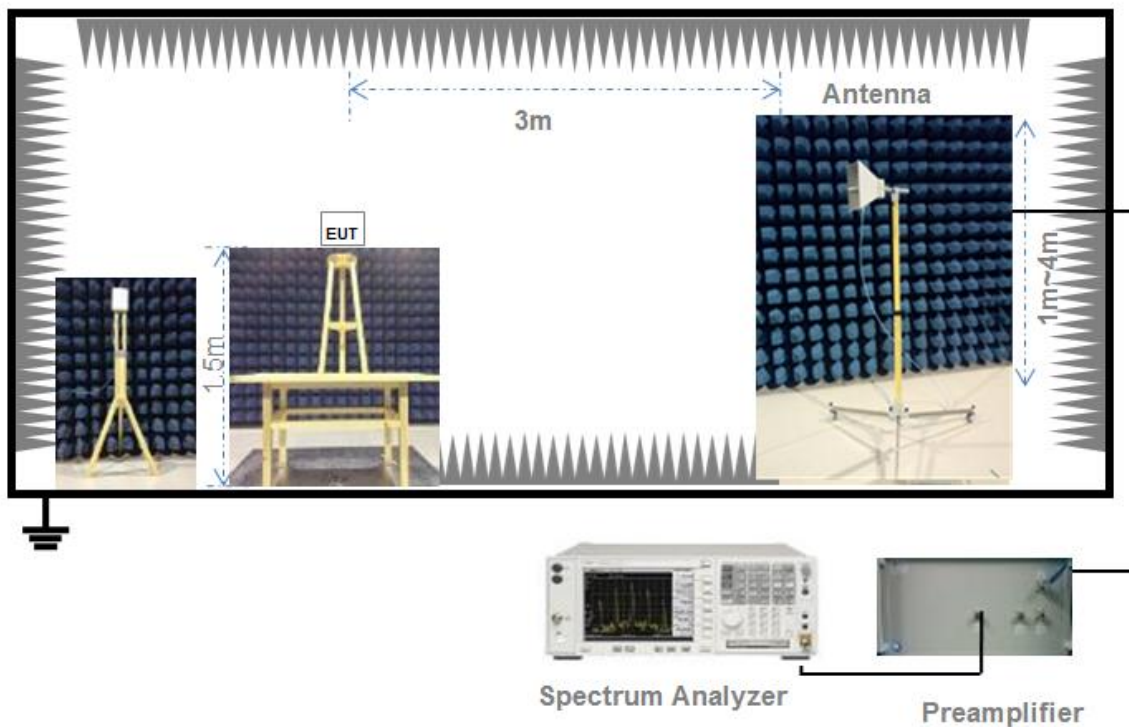
(Diagram 3)

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

Note ²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	0.36	0.37	98.11%	0.08
11n(HT20)/11ac(VHT20)	1.31	1.31	99.54%	0.02
11n(HT40)/11ac(VHT40)	0.65	0.65	99.17%	0.04
11ax(HE20)	1.02	1.02	99.51%	0.02
11ax(HE40)	0.54	0.54	98.62%	0.06

Test Data

Conducted Power

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	4.67	2.93	1000	Pass
11a	CH157	3.27	2.12	1000	Pass
11a	CH165	2.55	1.80	1000	Pass
11n(HT20)	CH149	5.77	3.78	1000	Pass
11n(HT20)	CH157	4.77	3.00	1000	Pass
11n(HT20)	CH165	3.08	2.03	1000	Pass
11n(HT40)	CH151	3.23	2.10	1000	Pass
11n(HT40)	CH159	2.60	1.82	1000	Pass
11ac(VHT20)	CH149	4.72	2.96	1000	Pass
11ac(VHT20)	CH157	3.47	2.22	1000	Pass
11ac(VHT20)	CH165	3.11	2.05	1000	Pass
11ac(VHT40)	CH151	4.13	2.59	1000	Pass
11ac(VHT40)	CH159	3.45	2.21	1000	Pass
11ax(HE20)(SU)	CH149	4.42	2.77	1000	Pass
11ax(HE20)(SU)	CH157	3.15	2.07	1000	Pass
11ax(HE20)(SU)	CH165	2.85	1.93	1000	Pass
11ax(HE40)(SU)	CH151	4.18	2.62	1000	Pass
11ax(HE40)(SU)	CH159	3.50	2.24	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note ¹: Test plots please refer to the document “Annex No.: Ti-EE26010008-603 Data Part 1.pdf”.

Note ²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	20.80	16.67
11a	CH157	20.72	16.74
11a	CH165	20.67	16.76
11n(HT20)	CH149	23.36	17.66
11n(HT20)	CH157	23.11	17.68
11n(HT20)	CH165	24.23	17.78
11n(HT40)	CH151	51.76	36.70
11n(HT40)	CH159	55.68	36.91
11ac(VHT20)	CH149	21.89	17.73
11ac(VHT20)	CH157	22.05	17.78
11ac(VHT20)	CH165	23.16	17.82
11ac(VHT40)	CH151	48.75	36.54
11ac(VHT40)	CH159	48.77	36.80
11ax(HE20)(SU)	CH149	21.35	18.93
11ax(HE20)(SU)	CH157	21.39	18.95
11ax(HE20)(SU)	CH165	21.42	18.98
11ax(HE40)(SU)	CH151	39.58	37.79
11ax(HE40)(SU)	CH159	44.31	37.88

A.3 6 dB Bandwidth

Note¹: Test plots please refer to the document “Annex No.: Ti-EE26010008-603 Data Part 2.pdf”.

Note²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.50	500.00	Pass
11a	CH157	16.50	500.00	Pass
11a	CH165	14.40	500.00	Pass
11n(HT20)	CH149	14.10	500.00	Pass
11n(HT20)	CH157	15.30	500.00	Pass
11n(HT20)	CH165	35.30	500.00	Pass
11n(HT40)	CH151	35.30	500.00	Pass
11n(HT40)	CH159	15.30	500.00	Pass
11ac(VHT20)	CH149	15.30	500.00	Pass
11ac(VHT20)	CH157	15.30	500.00	Pass
11ac(VHT20)	CH165	35.30	500.00	Pass
11ac(VHT40)	CH151	34.00	500.00	Pass
11ac(VHT40)	CH159	14.10	500.00	Pass
11ax(HE20)(SU)	CH149	15.30	500.00	Pass
11ax(HE20)(SU)	CH157	15.50	500.00	Pass
11ax(HE20)(SU)	CH165	35.30	500.00	Pass
11ax(HE40)(SU)	CH151	35.30	500.00	Pass
11ax(HE40)(SU)	CH159	16.50	500.00	Pass

A.4 Power Spectral Density

Note¹: Test plots please refer to the document “Annex No.: Ti-EE26010008-603 Data Part 3.pdf”.

Note²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	FCC Limit (dBm/500kHz)	Verdict
11a	CH149	-9.01	30.00	Pass
11a	CH157	-10.46	30.00	Pass
11a	CH165	-11.06	30.00	Pass
11n(HT20)	CH149	-7.74	30.00	Pass
11n(HT20)	CH157	-8.63	30.00	Pass
11n(HT20)	CH165	-10.07	30.00	Pass
11n(HT40)	CH151	-13.34	30.00	Pass
11n(HT40)	CH159	-14.16	30.00	Pass
11ac(VHT20)	CH149	-8.80	30.00	Pass
11ac(VHT20)	CH157	-9.91	30.00	Pass
11ac(VHT20)	CH165	-10.32	30.00	Pass
11ac(VHT40)	CH151	-12.09	30.00	Pass
11ac(VHT40)	CH159	-12.82	30.00	Pass
11ax(HE20)(SU)	CH149	-8.98	30.00	Pass
11ax(HE20)(SU)	CH157	-10.20	30.00	Pass
11ax(HE20)(SU)	CH165	-10.77	30.00	Pass
11ax(HE40)(SU)	CH151	-12.14	30.00	Pass
11ax(HE40)(SU)	CH159	-12.84	30.00	Pass

A.5 Conducted Emissions

Note: Not applicable.

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

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

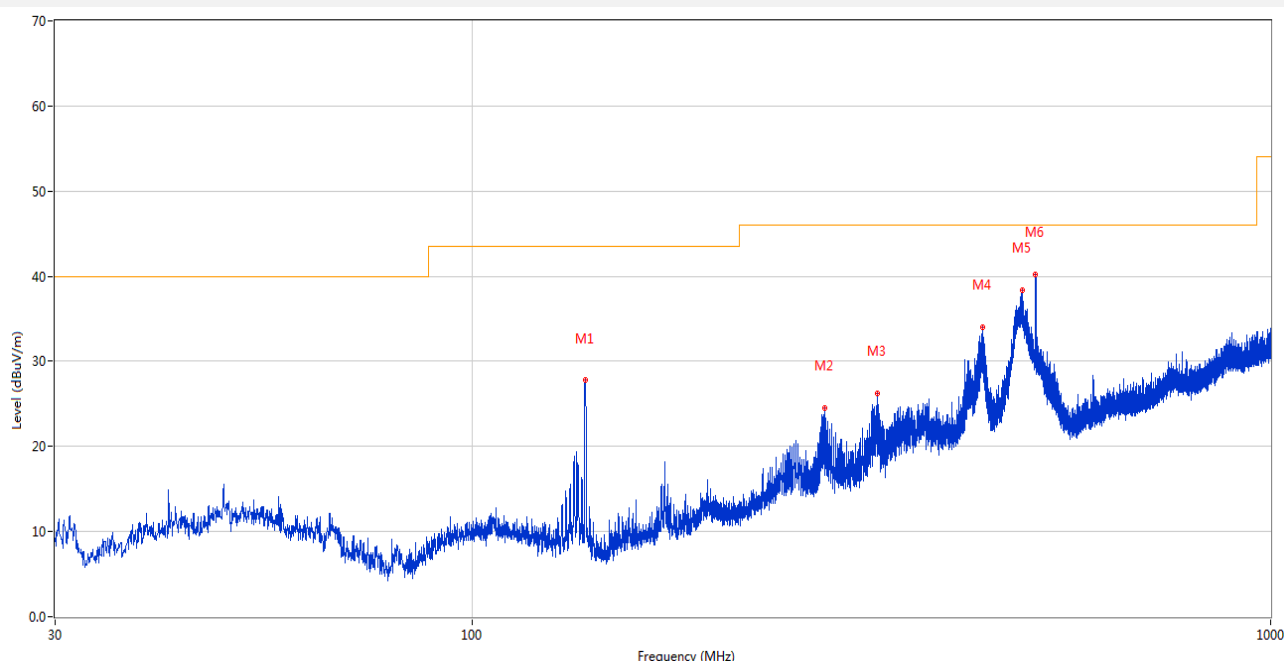
Note ²: For the test data above 1 GHz, According the ANSI C63.10, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

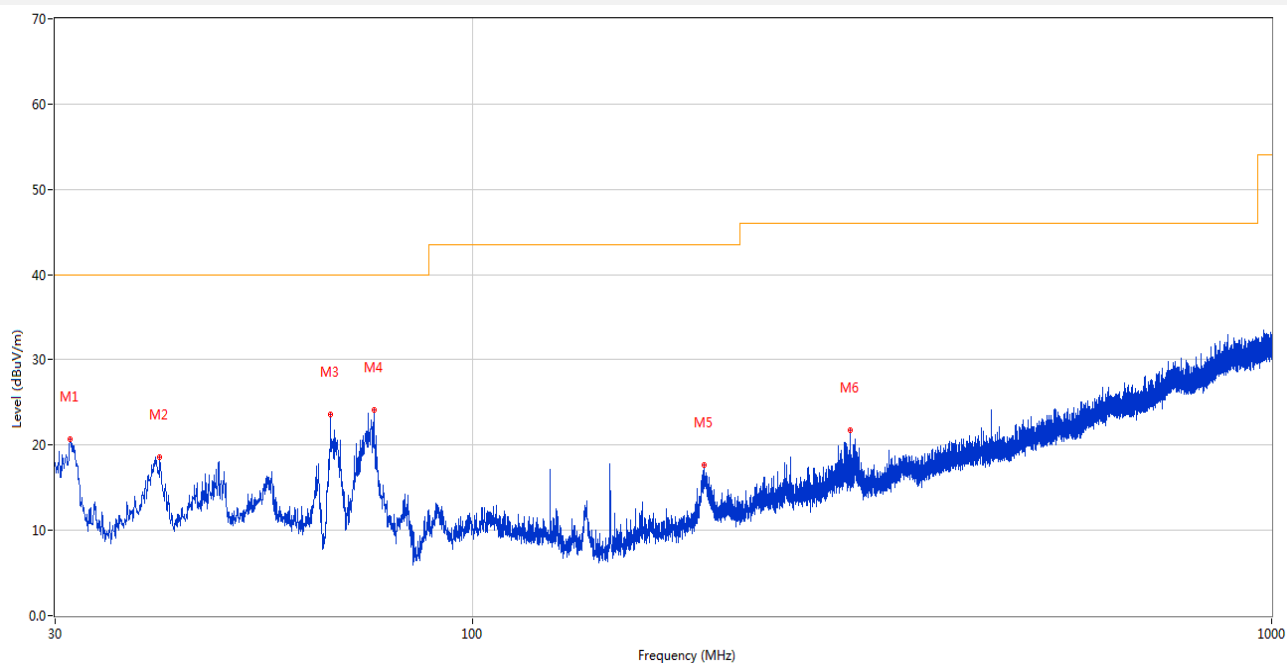
Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	138.349	27.75	-28.66	43.5	15.75	Peak	168.30	100	Horizontal	Pass
2	275.992	24.51	-22.13	46.0	21.49	Peak	132.20	100	Horizontal	Pass
3	321.970	26.21	-20.93	46.0	19.79	Peak	47.90	100	Horizontal	Pass
4	435.945	34.02	-17.46	46.0	11.98	Peak	59.50	100	Horizontal	Pass
5	487.937	38.36	-16.14	46.0	7.64	Peak	168.30	100	Horizontal	Pass
6	507.046	40.18	-15.71	46.0	5.82	Peak	65.30	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V



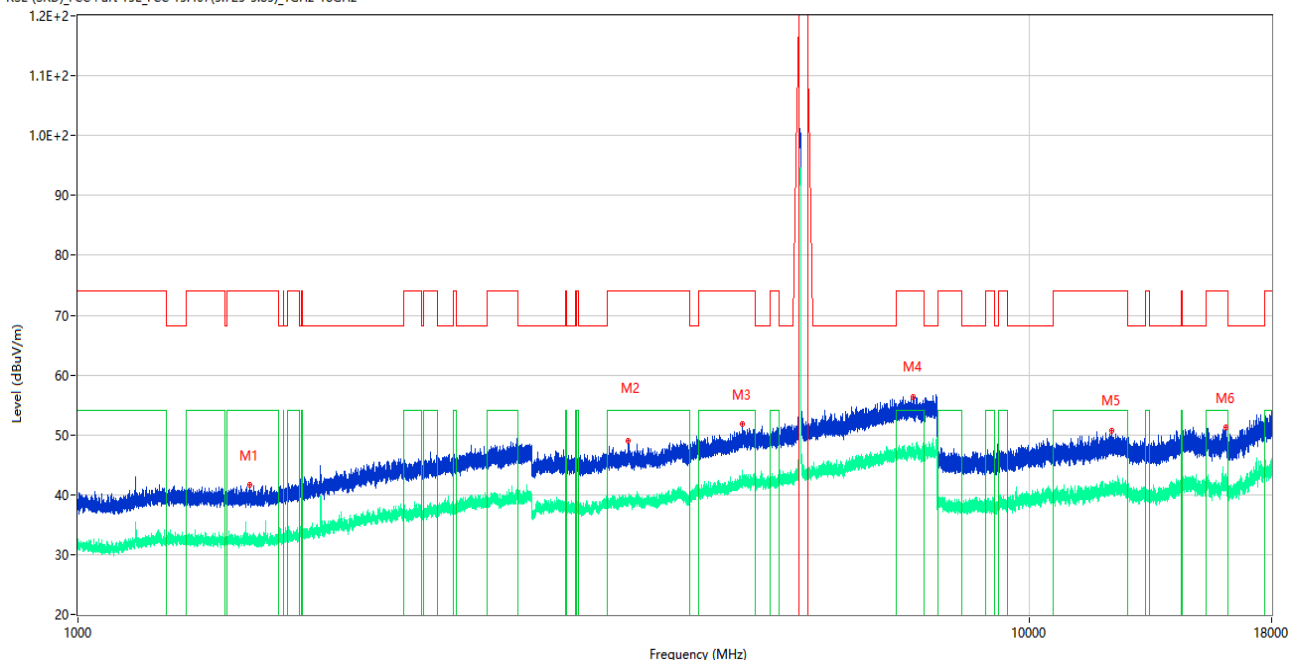
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	31.358	20.72	-29.26	40.0	19.28	Peak	152.40	100	Vertical	Pass
2	40.573	18.65	-25.45	40.0	21.35	Peak	28.20	100	Vertical	Pass
3	66.375	23.58	-26.95	40.0	16.42	Peak	86.80	100	Vertical	Pass
4	75.251	24.11	-29.97	40.0	15.89	Peak	8.90	100	Vertical	Pass
5	194.609	17.63	-24.43	43.5	25.87	Peak	229.60	100	Vertical	Pass
6	297.041	21.78	-21.41	46.0	24.22	Peak	159.50	100	Vertical	Pass

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

Note ²: All the configurations were pre tested, only the worst configuration has been reported in this 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	1516.609	41.62	74.0	32.38	Peak	138.00	100	Horizontal	Pass
1**	1516.609	31.90	54.0	22.10	AV	138.00	100	Horizontal	Pass
2	3792.223	49.16	74.0	24.85	Peak	160.00	100	Horizontal	Pass
2**	3792.223	39.55	54.0	14.45	AV	160.00	100	Horizontal	Pass
3	5002.977	52.13	74.0	21.87	Peak	66.00	200	Horizontal	Pass
3**	5002.977	42.94	54.0	11.06	AV	66.00	200	Horizontal	Pass
4	7550.806	56.51	74.0	17.49	Peak	274.00	300	Horizontal	Pass
4**	7550.806	47.43	54.0	6.57	AV	274.00	300	Horizontal	Pass
5	12220.659	50.84	74.0	23.16	Peak	330.00	400	Horizontal	Pass
5**	12220.659	40.67	54.0	13.33	AV	330.00	400	Horizontal	Pass
6	16124.861	51.37	74.0	22.63	Peak	324.00	300	Horizontal	Pass
6**	16124.861	41.17	54.0	12.83	AV	324.00	300	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	1491.112	43.59	74.0	30.41	Peak	103.00	400	Vertical	Pass
1**	1491.112	34.17	54.0	19.83	AV	103.00	400	Vertical	Pass
2	4197.555	47.69	74.0	26.31	Peak	271.00	100	Vertical	Pass
2**	4197.555	37.70	54.0	16.30	AV	271.00	100	Vertical	Pass
3	5079.711	50.48	74.0	23.53	Peak	75.00	200	Vertical	Pass
3**	5079.711	41.00	54.0	13.00	AV	75.00	200	Vertical	Pass
4	7599.263	53.56	74.0	20.44	Peak	6.00	300	Vertical	Pass
4**	7599.263	45.76	54.0	8.24	AV	6.00	300	Vertical	Pass
5	11740.876	53.13	74.0	20.87	Peak	262.00	200	Vertical	Pass
5**	11740.876	43.59	54.0	10.41	AV	262.00	200	Vertical	Pass
6	16108.252	54.20	74.0	19.80	Peak	105.00	200	Vertical	Pass
6**	16108.252	45.06	54.0	8.94	AV	105.00	200	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	1518.529	41.62	74.0	32.38	Peak	194.00	300	Horizontal	Pass
1**	1518.529	31.62	54.0	22.38	AV	194.00	300	Horizontal	Pass
2	3794.779	49.12	74.0	24.88	Peak	54.00	200	Horizontal	Pass
2**	3794.779	39.27	54.0	14.73	AV	54.00	200	Horizontal	Pass
3	5001.018	51.89	74.0	22.11	Peak	48.00	200	Horizontal	Pass
3**	5001.018	42.85	54.0	11.15	AV	48.00	200	Horizontal	Pass
4	7552.073	56.23	74.0	17.77	Peak	214.00	200	Horizontal	Pass
4**	7552.073	47.41	54.0	6.59	AV	214.00	200	Horizontal	Pass
5	12222.935	50.58	74.0	23.42	Peak	286.00	200	Horizontal	Pass
5**	12222.935	40.63	54.0	13.37	AV	286.00	200	Horizontal	Pass
6	16129.690	51.12	74.0	22.88	Peak	355.00	400	Horizontal	Pass
6**	16129.690	41.09	54.0	12.91	AV	355.00	400	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	1490.492	43.37	74.0	30.63	Peak	70.00	100	Vertical	Pass
1**	1490.492	34.16	54.0	19.84	AV	70.00	100	Vertical	Pass
2	4201.109	47.69	74.0	26.31	Peak	350.00	200	Vertical	Pass
2**	4201.109	37.68	54.0	16.32	AV	350.00	200	Vertical	Pass
3	5077.766	50.33	74.0	23.68	Peak	254.00	200	Vertical	Pass
3**	5077.766	40.90	54.0	13.10	AV	254.00	200	Vertical	Pass
4	7599.436	53.56	74.0	20.44	Peak	329.00	100	Vertical	Pass
4**	7599.436	45.67	54.0	8.33	AV	329.00	100	Vertical	Pass
5	11742.984	52.90	74.0	21.10	Peak	57.00	300	Vertical	Pass
5**	11742.984	43.34	54.0	10.66	AV	57.00	300	Vertical	Pass
6	16111.995	54.00	74.0	20.00	Peak	321.00	200	Vertical	Pass
6**	16111.995	44.90	54.0	9.10	AV	321.00	200	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	1516.779	41.53	74.0	32.47	Peak	223.00	100	Horizontal	Pass
1**	1516.779	31.35	54.0	22.65	AV	223.00	100	Horizontal	Pass
2	3793.411	48.88	74.0	25.12	Peak	346.00	200	Horizontal	Pass
2**	3793.411	38.99	54.0	15.01	AV	346.00	200	Horizontal	Pass
3	4999.401	51.71	74.0	22.29	Peak	116.00	200	Horizontal	Pass
3**	4999.401	42.73	54.0	11.27	AV	116.00	200	Horizontal	Pass
4	7547.066	56.02	74.0	17.98	Peak	86.00	100	Horizontal	Pass
4**	7547.066	47.16	54.0	6.84	AV	86.00	100	Horizontal	Pass
5	12224.911	50.42	74.0	23.58	Peak	111.00	300	Horizontal	Pass
5**	12224.911	40.56	54.0	13.44	AV	111.00	300	Horizontal	Pass
6	16125.196	50.85	74.0	23.15	Peak	22.00	100	Horizontal	Pass
6**	16125.196	40.95	54.0	13.05	AV	22.00	100	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	1493.973	43.32	74.0	30.68	Peak	157.00	400	Vertical	Pass
1**	1493.973	33.95	54.0	20.05	AV	157.00	400	Vertical	Pass
2	4200.358	47.46	74.0	26.55	Peak	217.00	200	Vertical	Pass
2**	4200.358	37.46	54.0	16.54	AV	217.00	200	Vertical	Pass
3	5075.692	50.20	74.0	23.80	Peak	335.00	200	Vertical	Pass
3**	5075.692	40.62	54.0	13.39	AV	335.00	200	Vertical	Pass
4	7596.687	53.37	74.0	20.63	Peak	262.00	400	Vertical	Pass
4**	7596.687	45.46	54.0	8.54	AV	262.00	400	Vertical	Pass
5	11744.505	52.90	74.0	21.10	Peak	21.00	100	Vertical	Pass
5**	11744.505	43.14	54.0	10.86	AV	21.00	100	Vertical	Pass
6	16113.474	53.86	74.0	20.14	Peak	293.00	400	Vertical	Pass
6**	16113.474	44.70	54.0	9.30	AV	293.00	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	1517.917	41.50	74.0	32.50	Peak	142.00	100	Horizontal	Pass
1**	1517.917	31.22	54.0	22.78	AV	142.00	100	Horizontal	Pass
2	3793.279	48.70	74.0	25.30	Peak	150.00	400	Horizontal	Pass
2**	3793.279	38.77	54.0	15.23	AV	150.00	400	Horizontal	Pass
3	4996.269	51.52	74.0	22.48	Peak	331.00	200	Horizontal	Pass
3**	4996.269	42.70	54.0	11.30	AV	331.00	200	Horizontal	Pass
4	7545.945	55.95	74.0	18.05	Peak	342.00	100	Horizontal	Pass
4**	7545.945	46.95	54.0	7.06	AV	342.00	100	Horizontal	Pass
5	12226.031	50.36	74.0	23.64	Peak	14.00	400	Horizontal	Pass
5**	12226.031	40.50	54.0	13.50	AV	14.00	400	Horizontal	Pass
6	16128.284	50.71	74.0	23.29	Peak	142.00	300	Horizontal	Pass
6**	16128.284	40.84	54.0	13.16	AV	142.00	300	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	1490.161	43.10	74.0	30.90	Peak	201.00	300	Vertical	Pass
1**	1490.161	33.79	54.0	20.21	AV	201.00	300	Vertical	Pass
2	4196.404	47.45	74.0	26.55	Peak	49.00	100	Vertical	Pass
2**	4196.404	37.26	54.0	16.74	AV	49.00	100	Vertical	Pass
3	5075.846	50.05	74.0	23.95	Peak	297.00	200	Vertical	Pass
3**	5075.846	40.32	54.0	13.68	AV	297.00	200	Vertical	Pass
4	7601.844	53.09	74.0	20.91	Peak	133.00	300	Vertical	Pass
4**	7601.844	45.31	54.0	8.69	AV	133.00	300	Vertical	Pass
5	11744.884	52.69	74.0	21.31	Peak	17.00	100	Vertical	Pass
5**	11744.884	43.14	54.0	10.86	AV	17.00	100	Vertical	Pass
6	16113.537	53.82	74.0	20.18	Peak	255.00	200	Vertical	Pass
6**	16113.537	44.70	54.0	9.30	AV	255.00	200	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	1514.632	41.29	74.0	32.71	Peak	274.00	300	Horizontal	Pass
1**	1514.632	31.15	54.0	22.85	AV	274.00	300	Horizontal	Pass
2	3789.125	48.55	74.0	25.46	Peak	154.00	300	Horizontal	Pass
2**	3789.125	38.62	54.0	15.38	AV	154.00	300	Horizontal	Pass
3	4996.950	51.37	74.0	22.63	Peak	315.00	200	Horizontal	Pass
3**	4996.950	42.53	54.0	11.47	AV	315.00	200	Horizontal	Pass
4	7550.035	55.69	74.0	18.31	Peak	134.00	200	Horizontal	Pass
4**	7550.035	46.65	54.0	7.35	AV	134.00	200	Horizontal	Pass
5	12225.787	50.30	74.0	23.70	Peak	24.00	400	Horizontal	Pass
5**	12225.787	40.46	54.0	13.54	AV	24.00	400	Horizontal	Pass
6	16131.768	50.63	74.0	23.37	Peak	280.00	400	Horizontal	Pass
6**	16131.768	40.71	54.0	13.29	AV	280.00	400	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	1493.375	42.87	74.0	31.13	Peak	7.00	100	Vertical	Pass
1**	1493.375	33.72	54.0	20.29	AV	7.00	100	Vertical	Pass
2	4199.035	47.38	74.0	26.62	Peak	279.00	100	Vertical	Pass
2**	4199.035	37.18	54.0	16.83	AV	279.00	100	Vertical	Pass
3	5075.824	49.77	74.0	24.23	Peak	204.00	200	Vertical	Pass
3**	5075.824	40.06	54.0	13.94	AV	204.00	200	Vertical	Pass
4	7595.403	53.05	74.0	20.95	Peak	321.00	200	Vertical	Pass
4**	7595.403	45.09	54.0	8.91	AV	321.00	200	Vertical	Pass
5	11737.774	52.65	74.0	21.35	Peak	114.00	300	Vertical	Pass
5**	11737.774	42.96	54.0	11.04	AV	114.00	300	Vertical	Pass
6	16110.016	53.59	74.0	20.41	Peak	46.00	100	Vertical	Pass
6**	16110.016	44.42	54.0	9.58	AV	46.00	100	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	1519.526	41.17	74.0	32.83	Peak	111.00	100	Horizontal	Pass
1**	1519.526	31.09	54.0	22.91	AV	111.00	100	Horizontal	Pass
2	3787.835	48.46	74.0	25.54	Peak	289.00	300	Horizontal	Pass
2**	3787.835	38.42	54.0	15.58	AV	289.00	300	Horizontal	Pass
3	5001.384	51.13	74.0	22.88	Peak	229.00	200	Horizontal	Pass
3**	5001.384	42.51	54.0	11.49	AV	229.00	200	Horizontal	Pass
4	7548.527	55.46	74.0	18.54	Peak	113.00	400	Horizontal	Pass
4**	7548.527	46.60	54.0	7.40	AV	113.00	400	Horizontal	Pass
5	12221.120	50.09	74.0	23.92	Peak	6.00	300	Horizontal	Pass
5**	12221.120	40.24	54.0	13.76	AV	6.00	300	Horizontal	Pass
6	16130.386	50.40	74.0	23.60	Peak	183.00	100	Horizontal	Pass
6**	16130.386	40.68	54.0	13.32	AV	183.00	100	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	1497.107	42.62	74.0	31.39	Peak	170.00	300	Vertical	Pass
1**	1497.107	33.47	54.0	20.53	AV	170.00	300	Vertical	Pass
2	4196.882	47.30	74.0	26.71	Peak	319.00	200	Vertical	Pass
2**	4196.882	37.00	54.0	17.00	AV	319.00	200	Vertical	Pass
3	5073.728	49.51	74.0	24.49	Peak	95.00	200	Vertical	Pass
3**	5073.728	39.80	54.0	14.20	AV	95.00	200	Vertical	Pass
4	7598.094	53.01	74.0	20.99	Peak	295.00	300	Vertical	Pass
4**	7598.094	44.89	54.0	9.11	AV	295.00	300	Vertical	Pass
5	11742.275	52.46	74.0	21.54	Peak	298.00	100	Vertical	Pass
5**	11742.275	42.75	54.0	11.25	AV	298.00	100	Vertical	Pass
6	16113.145	53.40	74.0	20.60	Peak	274.00	200	Vertical	Pass
6**	16113.145	44.20	54.0	9.80	AV	274.00	200	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	1518.343	40.88	74.0	33.12	Peak	298.00	200	Horizontal	Pass
1**	1518.343	31.03	54.0	22.97	AV	298.00	200	Horizontal	Pass
2	3795.648	48.42	74.0	25.58	Peak	52.00	400	Horizontal	Pass
2**	3795.648	38.34	54.0	15.66	AV	52.00	400	Horizontal	Pass
3	4996.784	50.87	74.0	23.13	Peak	225.00	200	Horizontal	Pass
3**	4996.784	42.39	54.0	11.61	AV	225.00	200	Horizontal	Pass
4	7548.251	55.23	74.0	18.77	Peak	6.00	200	Horizontal	Pass
4**	7548.251	46.48	54.0	7.52	AV	6.00	200	Horizontal	Pass
5	12223.044	49.90	74.0	24.11	Peak	71.00	200	Horizontal	Pass
5**	12223.044	40.20	54.0	13.81	AV	71.00	200	Horizontal	Pass
6	16128.011	50.32	74.0	23.68	Peak	235.00	300	Horizontal	Pass
6**	16128.011	40.57	54.0	13.43	AV	235.00	300	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	1496.560	42.35	74.0	31.65	Peak	200.00	300	Vertical	Pass
1**	1496.560	33.19	54.0	20.81	AV	200.00	300	Vertical	Pass
2	4196.801	47.22	74.0	26.78	Peak	212.00	200	Vertical	Pass
2**	4196.801	36.75	54.0	17.25	AV	212.00	200	Vertical	Pass
3	5079.457	49.35	74.0	24.65	Peak	344.00	200	Vertical	Pass
3**	5079.457	39.75	54.0	14.25	AV	344.00	200	Vertical	Pass
4	7601.125	52.88	74.0	21.12	Peak	219.00	200	Vertical	Pass
4**	7601.125	44.87	54.0	9.14	AV	219.00	200	Vertical	Pass
5	11738.046	52.22	74.0	21.78	Peak	165.00	100	Vertical	Pass
5**	11738.046	42.57	54.0	11.43	AV	165.00	100	Vertical	Pass
6	16112.660	53.12	74.0	20.88	Peak	104.00	400	Vertical	Pass
6**	16112.660	43.99	54.0	10.01	AV	104.00	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	1512.689	41.48	74.0	32.52	Peak	155.00	200	Horizontal	Pass
1**	1512.689	31.85	54.0	22.15	AV	155.00	200	Horizontal	Pass
2	3791.322	49.14	74.0	24.86	Peak	257.00	400	Horizontal	Pass
2**	3791.322	39.53	54.0	14.47	AV	257.00	400	Horizontal	Pass
3	5001.010	52.03	74.0	21.97	Peak	182.00	200	Horizontal	Pass
3**	5001.010	42.75	54.0	11.26	AV	182.00	200	Horizontal	Pass
4	7550.947	56.38	74.0	17.62	Peak	287.00	100	Horizontal	Pass
4**	7550.947	47.34	54.0	6.66	AV	287.00	100	Horizontal	Pass
5	12223.997	50.58	74.0	23.42	Peak	84.00	100	Horizontal	Pass
5**	12223.997	40.62	54.0	13.39	AV	84.00	100	Horizontal	Pass
6	16126.478	51.10	74.0	22.90	Peak	191.00	400	Horizontal	Pass
6**	16126.478	40.99	54.0	13.01	AV	191.00	400	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	1496.856	43.33	74.0	30.67	Peak	80.00	300	Vertical	Pass
1**	1496.856	33.95	54.0	20.05	AV	80.00	300	Vertical	Pass
2	4197.380	47.56	74.0	26.44	Peak	203.00	400	Vertical	Pass
2**	4197.380	37.42	54.0	16.58	AV	203.00	400	Vertical	Pass
3	5081.154	50.30	74.0	23.71	Peak	286.00	200	Vertical	Pass
3**	5081.154	40.91	54.0	13.09	AV	286.00	200	Vertical	Pass
4	7599.617	53.53	74.0	20.47	Peak	5.00	400	Vertical	Pass
4**	7599.617	45.75	54.0	8.25	AV	5.00	400	Vertical	Pass
5	11737.153	53.01	74.0	20.99	Peak	84.00	300	Vertical	Pass
5**	11737.153	43.56	54.0	10.44	AV	84.00	300	Vertical	Pass
6	16107.991	54.08	74.0	19.92	Peak	255.00	400	Vertical	Pass
6**	16107.991	45.03	54.0	8.97	AV	255.00	400	Vertical	Pass

11ac20, 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	1512.784	41.55	74.0	32.45	Peak	138.00	300	Horizontal	Pass
1**	1512.784	31.33	54.0	22.68	AV	138.00	300	Horizontal	Pass
2	3791.216	49.09	74.0	24.92	Peak	229.00	400	Horizontal	Pass
2**	3791.216	39.16	54.0	14.84	AV	229.00	400	Horizontal	Pass
3	5003.380	51.60	74.0	22.41	Peak	13.00	200	Horizontal	Pass
3**	5003.380	42.62	54.0	11.38	AV	13.00	200	Horizontal	Pass
4	7548.496	56.10	74.0	17.90	Peak	128.00	200	Horizontal	Pass
4**	7548.496	47.37	54.0	6.63	AV	128.00	200	Horizontal	Pass
5	12223.499	50.56	74.0	23.44	Peak	204.00	200	Horizontal	Pass
5**	12223.499	40.38	54.0	13.62	AV	204.00	200	Horizontal	Pass
6	16129.758	50.84	74.0	23.16	Peak	213.00	400	Horizontal	Pass
6**	16129.758	41.04	54.0	12.96	AV	213.00	400	Horizontal	Pass

11ac20, 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	1491.298	43.34	74.0	30.66	Peak	38.00	400	Vertical	Pass
1**	1491.298	33.97	54.0	20.03	AV	38.00	400	Vertical	Pass
2	4195.359	47.67	74.0	26.33	Peak	6.00	400	Vertical	Pass
2**	4195.359	37.47	54.0	16.53	AV	6.00	400	Vertical	Pass
3	5079.174	50.22	74.0	23.78	Peak	226.00	200	Vertical	Pass
3**	5079.174	40.61	54.0	13.39	AV	226.00	200	Vertical	Pass
4	7601.226	53.32	74.0	20.68	Peak	206.00	300	Vertical	Pass
4**	7601.226	45.51	54.0	8.49	AV	206.00	300	Vertical	Pass
5	11743.825	52.82	74.0	21.18	Peak	140.00	300	Vertical	Pass
5**	11743.825	43.05	54.0	10.95	AV	140.00	300	Vertical	Pass
6	16110.090	53.74	74.0	20.26	Peak	350.00	300	Vertical	Pass
6**	16110.090	44.60	54.0	9.40	AV	350.00	300	Vertical	Pass

11ac20, 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	1517.713	41.33	74.0	32.67	Peak	110.00	100	Horizontal	Pass
1**	1517.713	31.29	54.0	22.71	AV	110.00	100	Horizontal	Pass
2	3793.746	48.87	74.0	25.13	Peak	273.00	100	Horizontal	Pass
2**	3793.746	38.87	54.0	15.13	AV	273.00	100	Horizontal	Pass
3	5003.206	51.43	74.0	22.57	Peak	23.00	200	Horizontal	Pass
3**	5003.206	42.61	54.0	11.39	AV	23.00	200	Horizontal	Pass
4	7544.914	55.80	74.0	18.20	Peak	236.00	100	Horizontal	Pass
4**	7544.914	47.03	54.0	6.97	AV	236.00	100	Horizontal	Pass
5	12222.223	50.39	74.0	23.61	Peak	142.00	400	Horizontal	Pass
5**	12222.223	40.46	54.0	13.54	AV	142.00	400	Horizontal	Pass
6	16125.253	50.75	74.0	23.25	Peak	212.00	200	Horizontal	Pass
6**	16125.253	40.80	54.0	13.20	AV	212.00	200	Horizontal	Pass

11ac20, 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	1494.655	43.10	74.0	30.90	Peak	281.00	200	Vertical	Pass
1**	1494.655	33.81	54.0	20.19	AV	281.00	200	Vertical	Pass
2	4199.513	47.29	74.0	26.72	Peak	270.00	300	Vertical	Pass
2**	4199.513	37.34	54.0	16.66	AV	270.00	300	Vertical	Pass
3	5080.460	50.16	74.0	23.84	Peak	276.00	200	Vertical	Pass
3**	5080.460	40.50	54.0	13.50	AV	276.00	200	Vertical	Pass
4	7599.833	53.23	74.0	20.78	Peak	88.00	400	Vertical	Pass
4**	7599.833	45.18	54.0	8.82	AV	88.00	400	Vertical	Pass
5	11739.942	52.68	74.0	21.32	Peak	17.00	300	Vertical	Pass
5**	11739.942	42.91	54.0	11.09	AV	17.00	300	Vertical	Pass
6	16110.551	53.59	74.0	20.41	Peak	244.00	400	Vertical	Pass
6**	16110.551	44.50	54.0	9.50	AV	244.00	400	Vertical	Pass

11ac20, 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	1514.074	41.37	74.0	32.63	Peak	248.00	300	Horizontal	Pass
1**	1514.074	31.06	54.0	22.94	AV	248.00	300	Horizontal	Pass
2	3792.866	48.63	74.0	25.38	Peak	248.00	200	Horizontal	Pass
2**	3792.866	38.48	54.0	15.52	AV	248.00	200	Horizontal	Pass
3	5000.836	51.48	74.0	22.52	Peak	272.00	200	Horizontal	Pass
3**	5000.836	42.61	54.0	11.39	AV	272.00	200	Horizontal	Pass
4	7544.959	55.79	74.0	18.21	Peak	79.00	400	Horizontal	Pass
4**	7544.959	46.71	54.0	7.29	AV	79.00	400	Horizontal	Pass
5	12220.115	50.28	74.0	23.72	Peak	63.00	300	Horizontal	Pass
5**	12220.115	40.29	54.0	13.71	AV	63.00	300	Horizontal	Pass
6	16124.651	50.47	74.0	23.53	Peak	326.00	300	Horizontal	Pass
6**	16124.651	40.75	54.0	13.25	AV	326.00	300	Horizontal	Pass

11ac20, 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	1492.881	42.93	74.0	31.07	Peak	288.00	300	Vertical	Pass
1**	1492.881	33.71	54.0	20.29	AV	288.00	300	Vertical	Pass
2	4201.178	47.44	74.0	26.56	Peak	24.00	300	Vertical	Pass
2**	4201.178	37.05	54.0	16.95	AV	24.00	300	Vertical	Pass
3	5077.525	50.00	74.0	24.00	Peak	140.00	200	Vertical	Pass
3**	5077.525	40.11	54.0	13.89	AV	140.00	200	Vertical	Pass
4	7597.582	52.95	74.0	21.05	Peak	343.00	200	Vertical	Pass
4**	7597.582	45.22	54.0	8.78	AV	343.00	200	Vertical	Pass
5	11744.383	52.44	74.0	21.56	Peak	92.00	300	Vertical	Pass
5**	11744.383	43.04	54.0	10.96	AV	92.00	300	Vertical	Pass
6	16111.242	53.70	74.0	20.30	Peak	97.00	200	Vertical	Pass
6**	16111.242	44.58	54.0	9.42	AV	97.00	200	Vertical	Pass

11ac40, 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	1515.985	41.21	74.0	32.79	Peak	157.00	400	Horizontal	Pass
1**	1515.985	31.01	54.0	22.99	AV	157.00	400	Horizontal	Pass
2	3792.540	48.25	74.0	25.75	Peak	312.00	300	Horizontal	Pass
2**	3792.540	38.33	54.0	15.67	AV	312.00	300	Horizontal	Pass
3	4998.031	51.27	74.0	22.74	Peak	16.00	200	Horizontal	Pass
3**	4998.031	42.45	54.0	11.55	AV	16.00	200	Horizontal	Pass
4	7550.291	55.54	74.0	18.46	Peak	11.00	200	Horizontal	Pass
4**	7550.291	46.57	54.0	7.43	AV	11.00	200	Horizontal	Pass
5	12222.375	50.13	74.0	23.87	Peak	13.00	300	Horizontal	Pass
5**	12222.375	40.45	54.0	13.56	AV	13.00	300	Horizontal	Pass
6	16128.400	50.56	74.0	23.45	Peak	51.00	200	Horizontal	Pass
6**	16128.400	40.46	54.0	13.54	AV	51.00	200	Horizontal	Pass

11ac40, 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	1497.591	42.72	74.0	31.28	Peak	77.00	300	Vertical	Pass
1**	1497.591	33.52	54.0	20.49	AV	77.00	300	Vertical	Pass
2	4199.368	47.37	74.0	26.63	Peak	190.00	300	Vertical	Pass
2**	4199.368	37.16	54.0	16.84	AV	190.00	300	Vertical	Pass
3	5076.878	49.57	74.0	24.43	Peak	336.00	200	Vertical	Pass
3**	5076.878	39.86	54.0	14.14	AV	336.00	200	Vertical	Pass
4	7598.380	53.01	74.0	20.99	Peak	167.00	200	Vertical	Pass
4**	7598.380	45.00	54.0	9.00	AV	167.00	200	Vertical	Pass
5	11741.832	52.52	74.0	21.48	Peak	286.00	100	Vertical	Pass
5**	11741.832	42.86	54.0	11.14	AV	286.00	100	Vertical	Pass
6	16112.036	53.32	74.0	20.68	Peak	63.00	400	Vertical	Pass
6**	16112.036	44.29	54.0	9.71	AV	63.00	400	Vertical	Pass

11ac40, 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	1515.512	40.96	74.0	33.04	Peak	76.00	200	Horizontal	Pass
1**	1515.512	31.00	54.0	23.00	AV	76.00	200	Horizontal	Pass
2	3788.318	48.22	74.0	25.78	Peak	229.00	400	Horizontal	Pass
2**	3788.318	38.35	54.0	15.65	AV	229.00	400	Horizontal	Pass
3	5000.453	51.12	74.0	22.88	Peak	128.00	200	Horizontal	Pass
3**	5000.453	42.21	54.0	11.79	AV	128.00	200	Horizontal	Pass
4	7545.694	55.32	74.0	18.68	Peak	207.00	400	Horizontal	Pass
4**	7545.694	46.47	54.0	7.53	AV	207.00	400	Horizontal	Pass
5	12225.149	49.79	74.0	24.21	Peak	45.00	400	Horizontal	Pass
5**	12225.149	40.17	54.0	13.83	AV	45.00	400	Horizontal	Pass
6	16128.042	50.15	74.0	23.85	Peak	273.00	200	Horizontal	Pass
6**	16128.042	40.57	54.0	13.43	AV	273.00	200	Horizontal	Pass

11ac40, 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	1494.393	42.60	74.0	31.40	Peak	350.00	100	Vertical	Pass
1**	1494.393	33.36	54.0	20.65	AV	350.00	100	Vertical	Pass
2	4194.600	47.23	74.0	26.77	Peak	61.00	100	Vertical	Pass
2**	4194.600	36.98	54.0	17.02	AV	61.00	100	Vertical	Pass
3	5073.903	49.39	74.0	24.61	Peak	214.00	200	Vertical	Pass
3**	5073.903	39.76	54.0	14.24	AV	214.00	200	Vertical	Pass
4	7601.474	52.78	74.0	21.23	Peak	303.00	200	Vertical	Pass
4**	7601.474	44.69	54.0	9.31	AV	303.00	200	Vertical	Pass
5	11738.547	52.38	74.0	21.62	Peak	306.00	200	Vertical	Pass
5**	11738.547	42.55	54.0	11.45	AV	306.00	200	Vertical	Pass
6	16107.209	53.15	74.0	20.85	Peak	325.00	300	Vertical	Pass
6**	16107.209	44.05	54.0	9.95	AV	325.00	300	Vertical	Pass

11ax20(SU), 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	1512.541	41.53	74.0	32.47	Peak	267.00	300	Horizontal	Pass
1**	1512.541	31.64	54.0	22.36	AV	267.00	300	Horizontal	Pass
2	3794.501	48.98	74.0	25.02	Peak	230.00	100	Horizontal	Pass
2**	3794.501	39.38	54.0	14.62	AV	230.00	100	Horizontal	Pass
3	4999.627	51.91	74.0	22.09	Peak	199.00	200	Horizontal	Pass
3**	4999.627	42.64	54.0	11.36	AV	199.00	200	Horizontal	Pass
4	7546.566	56.50	74.0	17.50	Peak	245.00	100	Horizontal	Pass
4**	7546.566	47.28	54.0	6.72	AV	245.00	100	Horizontal	Pass
5	12220.279	50.61	74.0	23.39	Peak	109.00	300	Horizontal	Pass
5**	12220.279	40.45	54.0	13.55	AV	109.00	300	Horizontal	Pass
6	16127.181	51.34	74.0	22.66	Peak	359.00	200	Horizontal	Pass
6**	16127.181	41.01	54.0	12.99	AV	359.00	200	Horizontal	Pass

11ax20(SU), 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	1493.749	43.40	74.0	30.60	Peak	27.00	100	Vertical	Pass
1**	1493.749	33.99	54.0	20.01	AV	27.00	100	Vertical	Pass
2	4195.170	47.51	74.0	26.49	Peak	311.00	300	Vertical	Pass
2**	4195.170	37.45	54.0	16.55	AV	311.00	300	Vertical	Pass
3	5077.047	50.21	74.0	23.79	Peak	198.00	200	Vertical	Pass
3**	5077.047	40.97	54.0	13.03	AV	198.00	200	Vertical	Pass
4	7596.605	53.45	74.0	20.55	Peak	80.00	300	Vertical	Pass
4**	7596.605	45.66	54.0	8.34	AV	80.00	300	Vertical	Pass
5	11740.525	53.09	74.0	20.91	Peak	24.00	100	Vertical	Pass
5**	11740.525	43.30	54.0	10.70	AV	24.00	100	Vertical	Pass
6	16110.755	53.95	74.0	20.05	Peak	334.00	400	Vertical	Pass
6**	16110.755	44.88	54.0	9.12	AV	334.00	400	Vertical	Pass

11ax20(SU), 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	1518.181	41.48	74.0	32.52	Peak	104.00	100	Horizontal	Pass
1**	1518.181	31.42	54.0	22.58	AV	104.00	100	Horizontal	Pass
2	3794.441	49.05	74.0	24.95	Peak	175.00	200	Horizontal	Pass
2**	3794.441	39.20	54.0	14.80	AV	175.00	200	Horizontal	Pass
3	4997.297	51.86	74.0	22.14	Peak	302.00	200	Horizontal	Pass
3**	4997.297	42.81	54.0	11.19	AV	302.00	200	Horizontal	Pass
4	7547.517	56.13	74.0	17.87	Peak	248.00	300	Horizontal	Pass
4**	7547.517	47.24	54.0	6.76	AV	248.00	300	Horizontal	Pass
5	12220.729	50.56	74.0	23.44	Peak	205.00	100	Horizontal	Pass
5**	12220.729	40.54	54.0	13.46	AV	205.00	100	Horizontal	Pass
6	16131.214	50.90	74.0	23.10	Peak	30.00	200	Horizontal	Pass
6**	16131.214	40.92	54.0	13.08	AV	30.00	200	Horizontal	Pass

11ax20(SU), 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	1495.176	43.14	74.0	30.86	Peak	47.00	400	Vertical	Pass
1**	1495.176	34.00	54.0	20.00	AV	47.00	400	Vertical	Pass
2	4199.803	47.58	74.0	26.42	Peak	90.00	300	Vertical	Pass
2**	4199.803	37.48	54.0	16.52	AV	90.00	300	Vertical	Pass
3	5080.743	50.14	74.0	23.86	Peak	356.00	200	Vertical	Pass
3**	5080.743	40.64	54.0	13.37	AV	356.00	200	Vertical	Pass
4	7601.198	53.31	74.0	20.70	Peak	2.00	300	Vertical	Pass
4**	7601.198	45.52	54.0	8.48	AV	2.00	300	Vertical	Pass
5	11743.125	52.88	74.0	21.12	Peak	14.00	300	Vertical	Pass
5**	11743.125	43.13	54.0	10.88	AV	14.00	300	Vertical	Pass
6	16107.671	53.74	74.0	20.26	Peak	339.00	400	Vertical	Pass
6**	16107.671	44.61	54.0	9.39	AV	339.00	400	Vertical	Pass

11ax20(SU), 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	1516.217	41.30	74.0	32.70	Peak	5.00	300	Horizontal	Pass
1**	1516.217	31.32	54.0	22.68	AV	5.00	300	Horizontal	Pass
2	3791.474	48.72	74.0	25.28	Peak	343.00	400	Horizontal	Pass
2**	3791.474	38.85	54.0	15.16	AV	343.00	400	Horizontal	Pass
3	5003.964	51.53	74.0	22.47	Peak	211.00	200	Horizontal	Pass
3**	5003.964	42.51	54.0	11.49	AV	211.00	200	Horizontal	Pass
4	7551.696	55.97	74.0	18.03	Peak	126.00	400	Horizontal	Pass
4**	7551.696	47.01	54.0	6.99	AV	126.00	400	Horizontal	Pass
5	12222.652	50.19	74.0	23.81	Peak	304.00	200	Horizontal	Pass
5**	12222.652	40.53	54.0	13.47	AV	304.00	200	Horizontal	Pass
6	16129.105	50.80	74.0	23.20	Peak	243.00	400	Horizontal	Pass
6**	16129.105	40.75	54.0	13.25	AV	243.00	400	Horizontal	Pass

11ax20(SU), 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	1490.848	43.18	74.0	30.83	Peak	184.00	400	Vertical	Pass
1**	1490.848	33.83	54.0	20.17	AV	184.00	400	Vertical	Pass
2	4194.653	47.17	74.0	26.83	Peak	45.00	300	Vertical	Pass
2**	4194.653	37.38	54.0	16.62	AV	45.00	300	Vertical	Pass
3	5079.149	50.05	74.0	23.95	Peak	257.00	200	Vertical	Pass
3**	5079.149	40.52	54.0	13.48	AV	257.00	200	Vertical	Pass
4	7594.782	53.07	74.0	20.93	Peak	299.00	100	Vertical	Pass
4**	7594.782	45.22	54.0	8.78	AV	299.00	100	Vertical	Pass
5	11741.370	52.75	74.0	21.26	Peak	158.00	400	Vertical	Pass
5**	11741.370	43.10	54.0	10.90	AV	158.00	400	Vertical	Pass
6	16110.939	53.68	74.0	20.32	Peak	351.00	200	Vertical	Pass
6**	16110.939	44.56	54.0	9.44	AV	351.00	200	Vertical	Pass

11ax40(SU), 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	1515.931	41.26	74.0	32.74	Peak	136.00	400	Horizontal	Pass
1**	1515.931	31.09	54.0	22.91	AV	136.00	400	Horizontal	Pass
2	3788.975	48.69	74.0	25.31	Peak	288.00	100	Horizontal	Pass
2**	3788.975	38.73	54.0	15.28	AV	288.00	100	Horizontal	Pass
3	5003.335	51.48	74.0	22.52	Peak	111.00	200	Horizontal	Pass
3**	5003.335	42.68	54.0	11.32	AV	111.00	200	Horizontal	Pass
4	7544.474	55.76	74.0	18.24	Peak	357.00	100	Horizontal	Pass
4**	7544.474	46.94	54.0	7.06	AV	357.00	100	Horizontal	Pass
5	12226.180	50.27	74.0	23.73	Peak	51.00	400	Horizontal	Pass
5**	12226.180	40.42	54.0	13.58	AV	51.00	400	Horizontal	Pass
6	16130.541	50.42	74.0	23.58	Peak	311.00	100	Horizontal	Pass
6**	16130.541	40.58	54.0	13.42	AV	311.00	100	Horizontal	Pass

11ax40(SU), 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	1496.706	43.01	74.0	30.99	Peak	17.00	300	Vertical	Pass
1**	1496.706	33.62	54.0	20.38	AV	17.00	300	Vertical	Pass
2	4199.285	47.18	74.0	26.82	Peak	241.00	200	Vertical	Pass
2**	4199.285	37.08	54.0	16.92	AV	241.00	200	Vertical	Pass
3	5075.581	49.94	74.0	24.06	Peak	97.00	200	Vertical	Pass
3**	5075.581	40.13	54.0	13.87	AV	97.00	200	Vertical	Pass
4	7598.853	52.80	74.0	21.20	Peak	309.00	300	Vertical	Pass
4**	7598.853	45.12	54.0	8.88	AV	309.00	300	Vertical	Pass
5	11737.466	52.46	74.0	21.54	Peak	350.00	300	Vertical	Pass
5**	11737.466	42.97	54.0	11.03	AV	350.00	300	Vertical	Pass
6	16110.936	53.76	74.0	20.25	Peak	119.00	400	Vertical	Pass
6**	16110.936	44.51	54.0	9.49	AV	119.00	400	Vertical	Pass

11ax40(SU), 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	1518.244	41.04	74.0	32.96	Peak	127.00	400	Horizontal	Pass
1**	1518.244	30.92	54.0	23.08	AV	127.00	400	Horizontal	Pass
2	3789.122	48.44	74.0	25.56	Peak	299.00	200	Horizontal	Pass
2**	3789.122	38.32	54.0	15.68	AV	299.00	200	Horizontal	Pass
3	5002.766	51.22	74.0	22.78	Peak	73.00	200	Horizontal	Pass
3**	5002.766	42.28	54.0	11.72	AV	73.00	200	Horizontal	Pass
4	7551.404	55.42	74.0	18.58	Peak	135.00	200	Horizontal	Pass
4**	7551.404	46.40	54.0	7.60	AV	135.00	200	Horizontal	Pass
5	12223.234	50.25	74.0	23.75	Peak	249.00	200	Horizontal	Pass
5**	12223.234	40.19	54.0	13.81	AV	249.00	200	Horizontal	Pass
6	16130.746	50.47	74.0	23.53	Peak	15.00	400	Horizontal	Pass
6**	16130.746	40.58	54.0	13.42	AV	15.00	400	Horizontal	Pass

11ax40(SU), 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	1496.922	42.86	74.0	31.14	Peak	41.00	200	Vertical	Pass
1**	1496.922	33.57	54.0	20.44	AV	41.00	200	Vertical	Pass
2	4195.267	47.18	74.0	26.82	Peak	303.00	400	Vertical	Pass
2**	4195.267	37.06	54.0	16.94	AV	303.00	400	Vertical	Pass
3	5081.451	49.73	74.0	24.28	Peak	272.00	200	Vertical	Pass
3**	5081.451	39.76	54.0	14.24	AV	272.00	200	Vertical	Pass
4	7597.931	52.93	74.0	21.08	Peak	190.00	400	Vertical	Pass
4**	7597.931	45.08	54.0	8.92	AV	190.00	400	Vertical	Pass
5	11743.760	52.63	74.0	21.37	Peak	74.00	300	Vertical	Pass
5**	11743.760	42.89	54.0	11.11	AV	74.00	300	Vertical	Pass
6	16110.267	53.37	74.0	20.64	Peak	84.00	400	Vertical	Pass
6**	16110.267	44.15	54.0	9.85	AV	84.00	400	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

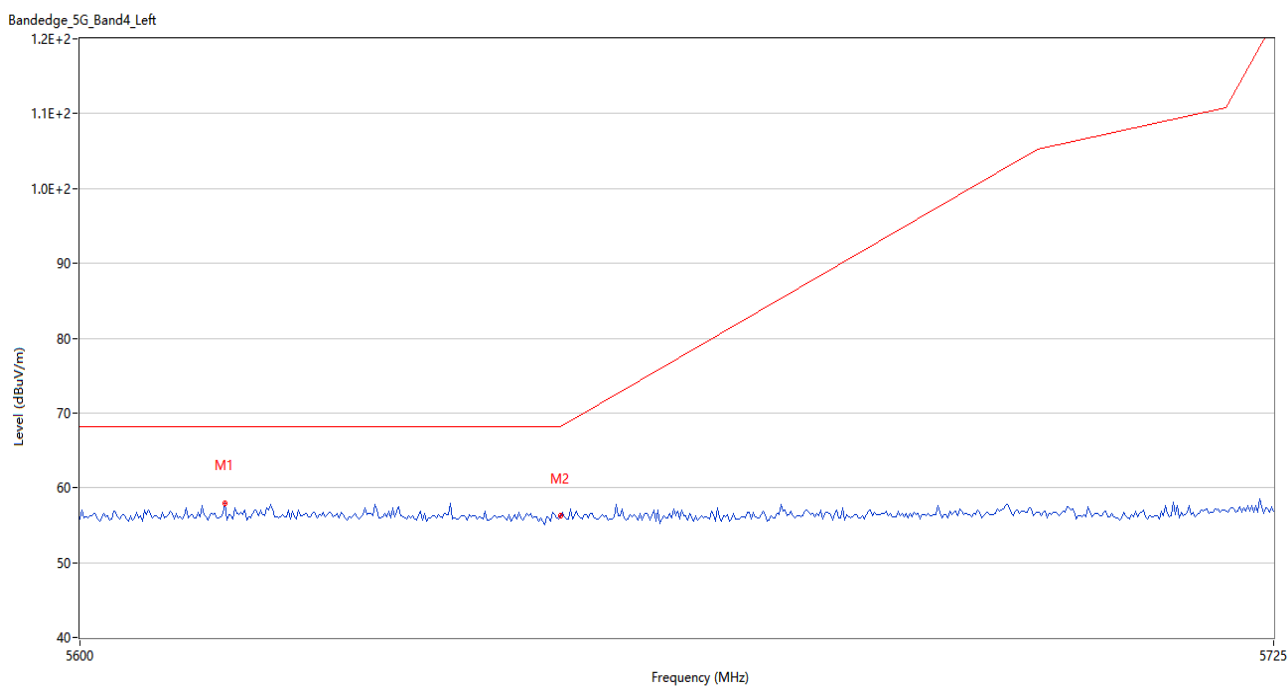
Test Band	Mode	Channel	Verdict
U-NII-3	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ax(HE20)(SU)	Low	Pass
		High	Pass
	802.11ax(HE40)(SU)	Low	Pass
		High	Pass

Note ¹: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note ²: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

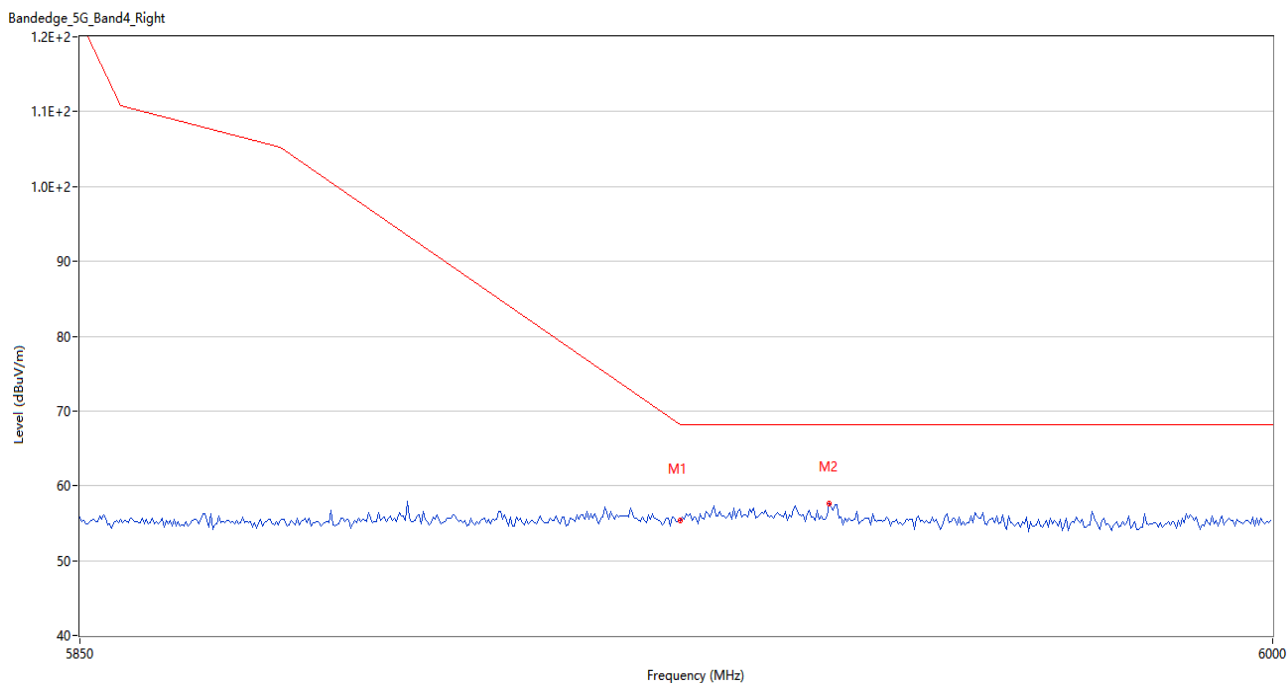
Test Data and Plots

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	5612.816	57.96	68.2	10.24	Peak	4.00	300	Horizontal	Pass
2	5650.000	56.19	68.2	12.01	Peak	4.00	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	55.02	68.2	13.18	Peak	33.00	200	Horizontal	Pass
2	5944.356	57.52	68.2	10.68	Peak	57.00	200	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	5611.707	57.183	68.2	11.02	Peak	30.00	100	Horizontal	Pass
2	5650.000	54	68.2	14.20	Peak	30.00	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	52.338	68.2	15.86	Peak	68.00	200	Horizontal	Pass
2	5945.336	57.347	68.2	10.85	Peak	295.00	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	5611.059	57.343	68.2	10.86	Peak	330.00	100	Horizontal	Pass
2	5650.000	53.41	68.2	14.79	Peak	330.00	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	51.778	68.2	16.42	Peak	205.00	100	Horizontal	Pass
2	5946.732	55.387	68.2	12.81	Peak	325.00	300	Horizontal	Pass

U-NII-3 11ac20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5610.976	56.513	68.2	11.69	Peak	241.00	300	Horizontal	Pass
2	5650.000	51.05	68.2	17.15	Peak	241.00	300	Horizontal	Pass

U-NII-3 11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	50.888	68.2	17.31	Peak	143.00	300	Horizontal	Pass
2	5949.507	55.427	68.2	12.77	Peak	286.00	100	Horizontal	Pass

U-NII-3 11ac40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5610.119	56.183	68.2	12.02	Peak	78.00	100	Horizontal	Pass
2	5650.000	48.64	68.2	19.56	Peak	78.00	100	Horizontal	Pass

U-NII-3 11ac40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	50.488	68.2	17.71	Peak	173.00	100	Horizontal	Pass
2	5949.694	55.767	68.2	12.43	Peak	331.00	200	Horizontal	Pass

U-NII-3 11ax20(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5606.209	54.833	68.2	13.37	Peak	95.00	200	Horizontal	Pass
2	5650.000	43.66	68.2	24.54	Peak	95.00	200	Horizontal	Pass

U-NII-3 11ax20(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	50.058	68.2	18.14	Peak	100.00	300	Horizontal	Pass
2	5952.784	56.587	68.2	11.61	Peak	327.00	300	Horizontal	Pass

U-NII-3 11ax40(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5603.475	54.243	68.2	13.96	Peak	0.00	300	Horizontal	Pass
2	5650.000	41.57	68.2	26.63	Peak	0.00	300	Horizontal	Pass

U-NII-3 11ax40(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	48.578	68.2	19.62	Peak	355.00	100	Horizontal	Pass
2	5954.156	55.457	68.2	12.74	Peak	83.00	100	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-EE26010008-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-EE26010008-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-EE26010008-AI.PDF”.

Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
3. For the report with CNAS mark or A2LA mark, the items marked with "☆" are not within the accredited scope.
4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the "inspection and testing dedicated stamp" or test report stamp.
5. The test data and results are only valid for the tested samples provided by the customer.
6. This report shall not be partially reproduced without the written permission of the laboratory.
7. Any objection shall be raised to the laboratory within 30 days after receiving the report.

--END OF REPORT--