FCC RADIO TEST REPORT

FCC ID	:	**2ABOF-G2BNF356900**
Equipment	:	**G2 Base Node (BN)**
Brand Name	:	**Tarana**
Model Name	:	**G2BNF356900**
Applicant	:	**Tarana Wireless, Inc. 630 Alder Drive, Milpitas, CA 95035**
Manufacturer	:	**Tarana Wireless, Inc. 630 Alder Drive, Milpitas, CA 95035**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Mar. 20, 2025 and testing was performed from Apr. 02, 2025 to Apr. 24, 2025. We, Sporton International (USA) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International (USA) Inc., the test report shall not be reproduced except in full.

Neil Kao

Approved by: Neil Kao

Sporton International (USA) Inc.

1175 Montague Expressway, Milpitas, CA 95035

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History of this test report

Report No.	Version	Description	Issue Date
FR250228001A	01	Initial issue of report	May 02, 2025

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	6dB & 26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	-
3.5	15.207	AC Conducted Emission	Pass	-
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”.

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs Proprietary radio 5G / 6G, CBRS and GNSS. **Antenna Type** Proprietary radio 5G: Array antenna

Antenna information		
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	16.3

Remark: The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

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1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International (USA) Inc.
Test Site Location	1175 Montague Expressway, Milpitas, CA 95035 TEL : 408 9043300
Test Site No.	**Sporton Site No.**
	TH01-CA, CO01-CA, 03CH01-CA

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: US1250

1.4 Applicable Standards

According to the specifications declared by the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2020

Remark: All the test items were validated and recorded in accordance with the standards without any modification during the testing.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

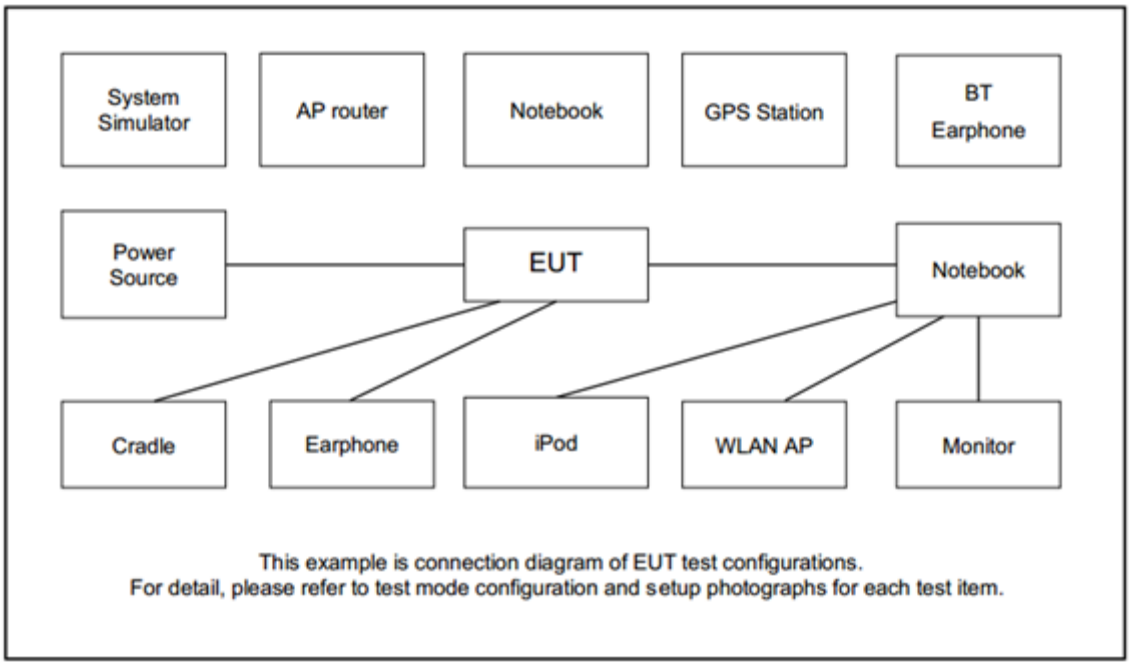
Frequency Band	Channel	Freq. (MHz)
5725-5850 MHz (U-NII-3) 40MHz	151	5755
	153	5765
	155	5775
	157	5785
	159	5795
	161	5805
	163	5815
	165	5825
5725-5850 MHz (U-NII-3) 40+40MHz	151+159	5755 + 5795
	157+165	5785 + 5825

2.2 Test Mode

The final test modes include the worst data rates for each modulation shown in the table below.

Test Cases	
AC Conducted Emission	Mode 1 : 5GHz Tx + Adapter
Remark: **1.** The detailed Radiated test modes are shown in Appendix C. **2.** For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power	

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Power Supply w/adapter	MEAN WELL	HLG-600H-54A	N/A	N/A	N/A
2.	Desktop Computer	Lenovo	M93p	N/A	N/A	AC I/P: Unshielded, 1.2 m

2.5 EUT Operation Test Setup

The RF test items, utility “Terminal” was used on the Linux-based support desktop. Command-line scripts were executed to place the EUT into engineering modes to provide channel frequency and bandwidth selection, power level and continuous transmitting mode.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement

3.1.1 Description of 6dB and 26dB and 99% Occupied Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

26dB and 99% Occupied bandwidth are reporting only.

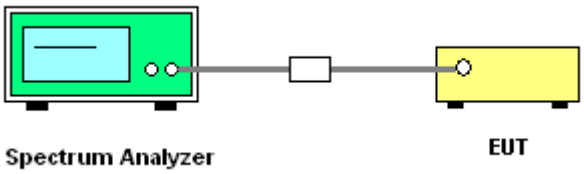
3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth for the band 5.725-5.85 GHz
2. Set RBW = 100 kHz.
3. Set the VBW ≥ 3 x RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
7. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

For the band 5.725–5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

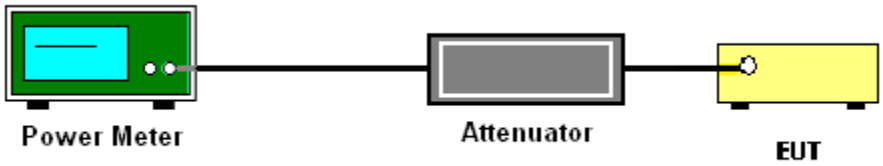
3.2.3 Test Procedures

The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

For the band 5.725–5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section F) Maximum power spectral density.

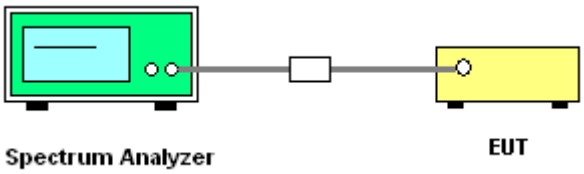
 # Method SA-1 #

(trace averaging with the EUT transmitting at full power throughout each sweep).

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300kHz.
- Set VBW ≥ 1 MHz.
- Add 10 log (500 kHz/RBW) to the measured result, whereas RBW (<500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.

1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
   Method (c): Measure and add 10 log(N_{ANT}) dB.
   With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity 10 log(N_{ANT}) dB is added to each spectrum value before comparing to the emission limit. The addition of 10 log(N_{ANT}) dB serves to apportion the emission limit among the N_{ANT} outputs so that each output is permitted to contribute no more than $1/N_{ANT}$ th of the PSD limit.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted Emissions Measurement

3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5.725-5.85 GHz band:

15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(2) Unwanted spurious emissions falls in restricted bands shall comply with the general field strength limits as below table,

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
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: The following formula is used to convert the EIRP to field strength.

$$E=\frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts)

EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27	68.3

(3) KDB789033 D02 v02r01 G)2)c)

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of −27 dBm/MHz.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

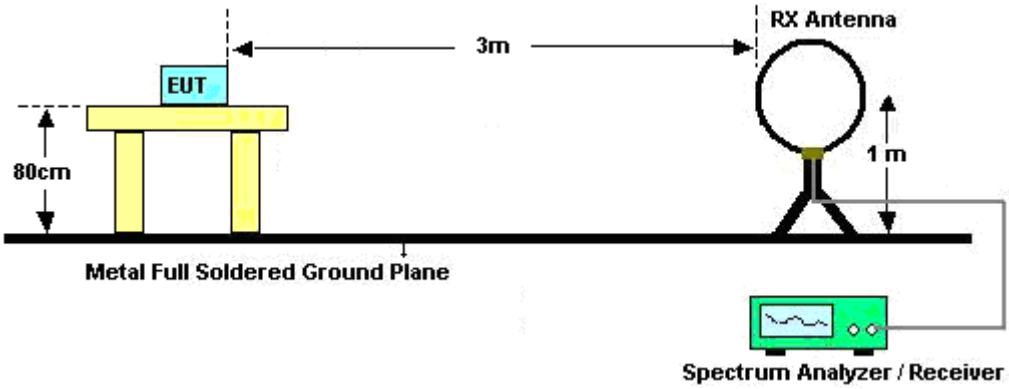
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.

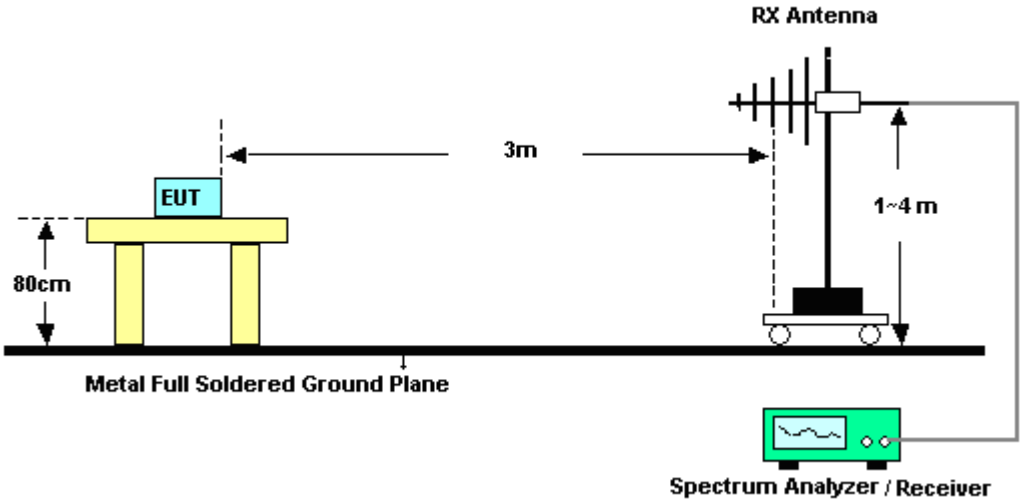
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-"..
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies.
   When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as "-".

3.4.4 Test Setup

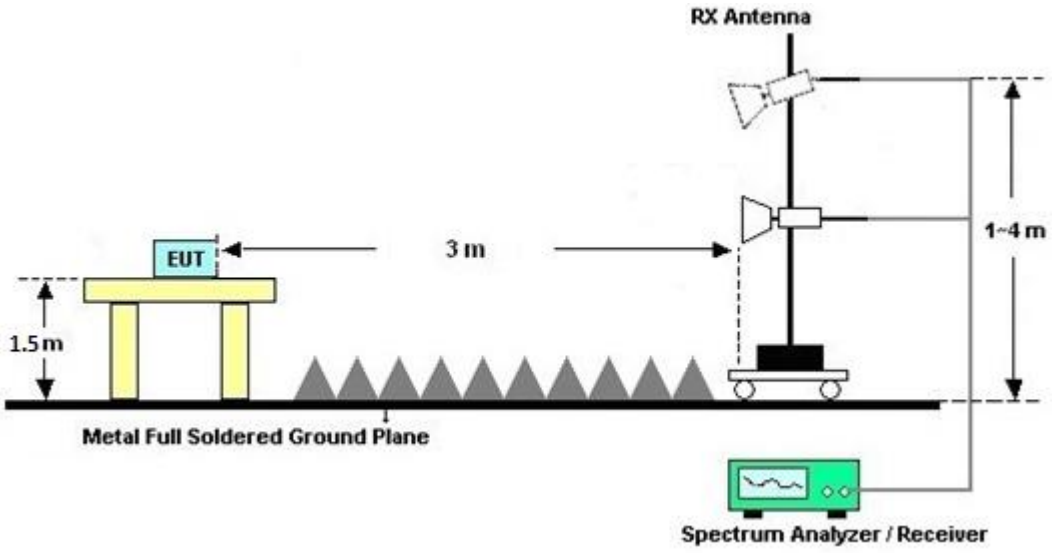
For radiated emissions below 30MHz



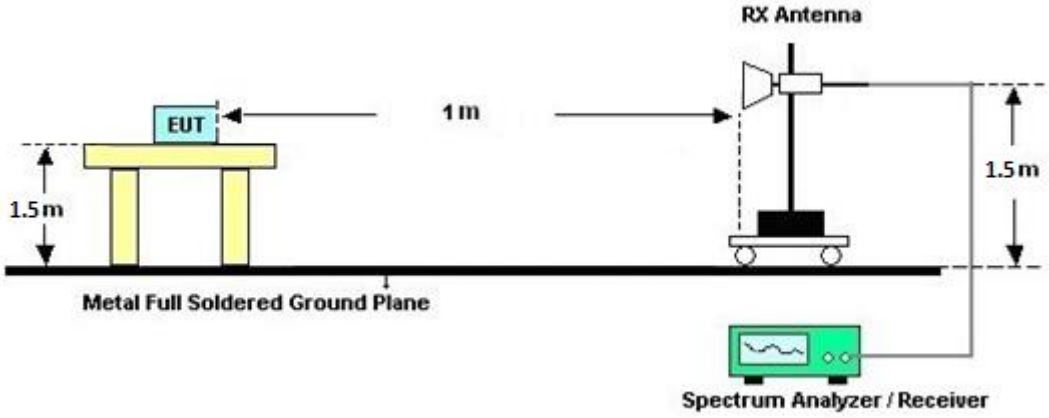
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.4.5 Test Results of Radiated Emissions (9 kHz ~ 30 MHz)

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix C

3.4.7 Duty Cycle

Please refer to Appendix D.

3.4.8 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix C

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

For equipment 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 or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

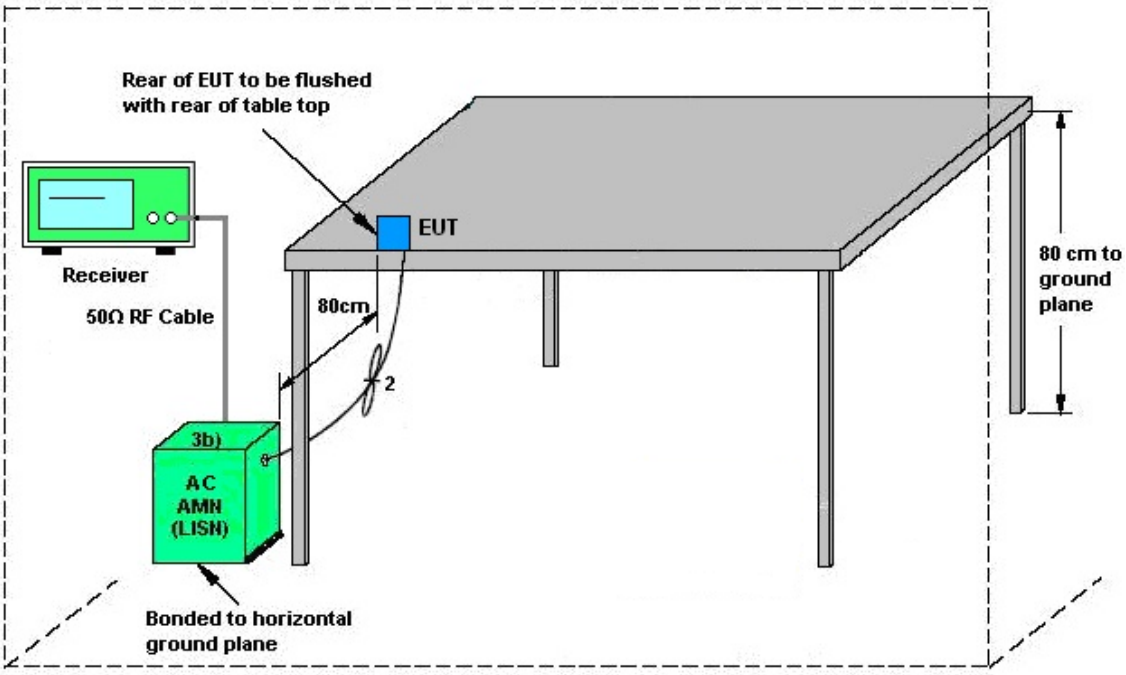
3.5.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.5.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	TESEQ	6111D	54683	30MHz~1GHz	Nov. 15, 2024	Apr. 09, 2025~ Apr. 22, 2025	Nov. 14, 2025	Radiation (03CH01-CA)
Loop Antenna	R&S	HFH2-Z2E	100840	9kHz~30MHz	May 02, 2024	Apr. 09, 2025~ Apr. 22, 2025	May 01, 2025	Radiation (03CH01-CA)
Horn Antenna	SCHWARZBECK	BBHA 9120D	02113	1GHz~18GHz	Apr. 26, 2024	Apr. 09, 2025~ Apr. 22, 2025	Apr. 25, 2025	Radiation (03CH01-CA)
Horn Antenna	SCHWARZBECK	BBHA 9120D	02115	1GHz~18GHz	Aug. 06, 2024	Apr. 09, 2025~ Apr. 22, 2025	Aug. 05, 2025	Radiation (03CH01-CA)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00841	18GHz~40GHz	Aug. 07, 2024	Apr. 09, 2025~ Apr. 22, 2025	Aug. 06, 2025	Radiation (03CH01-CA)
Amplifier	SONOMA	310N	372241	9kHz~1GHz	Apr. 24, 2024	Apr. 09, 2025~ Apr. 22, 2025	Apr. 23, 2025	Radiation (03CH01-CA)
Filter	Wainwright	WFIL-H8000-25000F-01	WR32BNW2B1	NA	Jun. 04, 2024	Apr. 09, 2025~ Apr. 22, 2025	Jun. 03, 2025	Radiation (03CH01-CA)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN8	NA	Jun. 04, 2024	Apr. 09, 2025~ Apr. 22, 2025	Jun. 03, 2025	Radiation (03CH01-CA)
Filter	Wainwright	WLK12-1200-1272-11000-40SS	SN1	1.2GHz Low Pass Filter	Jun. 04, 2024	Apr. 09, 2025~ Apr. 22, 2025	Jun. 03, 2025	Radiation (03CH01-CA)
Preamplifier	Keysight	83017A	MY53270321	1GHz~26.5GHz	Apr. 25, 2024	Apr. 09, 2025~ Apr. 22, 2025	Apr. 24, 2025	Radiation (03CH01-CA)
Preamplifier	E-instrument	ERA-100M-18G-56-01-A70	EC1900252	1GHz~18GHz	Apr. 24, 2024	Apr. 09, 2025~ Apr. 22, 2025	Apr. 23, 2025	Radiation (03CH01-CA)
Preamplifier	EMEC	EMC18G40G	060726	18G-40G	Apr. 24, 2024	Apr. 09, 2025~ Apr. 22, 2025	Apr. 23, 2025	Radiation (03CH01-CA)
RF Cable	HUBER+SUHNER	SUCOFLEX 102	8015932/2, 8015762/2, 804938/2	N/A	Mar. 04, 2025	Apr. 09, 2025~ Apr. 22, 2025	Mar. 03, 2026	Radiation (03CH01-CA)
Hygrometer	TESEO	608-H1	45142559	N/A	Aug. 14, 2024	Apr. 09, 2025~ Apr. 22, 2025	Aug. 13, 2025	Radiation (03CH01-CA)
Controller	Chaintek	EM-1000	060881	Control Turn Table & Antenna Mast	N/A	Apr. 09, 2025~ Apr. 22, 2025	N/A	Radiation (03CH01-CA)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Apr. 09, 2025~ Apr. 22, 2025	N/A	Radiation (03CH01-CA)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Apr. 09, 2025~ Apr. 22, 2025	N/A	Radiation (03CH01-CA)
Test Software	Audix E3	E3 230621 Sporton US,V9	PK-002093	N/A	N/A	Apr. 09, 2025~ Apr. 22, 2025	N/A	Radiation (03CH01-CA)
Hygrometer	Testo	608-H1	45141354	N/A	Aug. 14, 2024	Apr. 02, 2025~ Apr. 08, 2025	Aug. 13, 2025	Conducted (TH01-CA)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101089	10Hz-40GHz	Apr. 24, 2024	Apr. 02, 2025~ Apr. 08, 2025	Apr. 23, 2025	Conducted (TH01-CA)
Switch Box	EM Electronics	EMSW26	1090304	N/A	Oct. 10, 2024	Apr. 02, 2025~ Apr. 08, 2025	Oct. 09, 2025	Conducted (TH01-CA)
LISN	TESEQ	NNB51	47415	N/A	Aug. 14, 2024	Apr. 24, 2025	Aug. 13, 2025	Conduction (CO01-CA)
LISN	TESEQ	NNB51	47407	N/A	Apr 15, 2025	Apr. 24, 2025	Apr. 14, 2026	Conduction (CO01-CA)
EMI Test Receiver	R&S	ESR7	102177	9kHz~7GHz	Apr. 15, 2025	Apr. 24, 2025	Apr. 14, 2026	Conduction (CO01-CA)
Pulse limiter with 10dB attenuation	R&S	VTSD 9561-F N	9561-F-N00412	N/A	Jun. 04, 2024	Apr. 24, 2025	Jun. 03, 2025	Conduction (CO01-CA)

5 Measurement Uncertainty

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.9 dB

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.7 dB

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.5 dB

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.5 dB

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Venkata Kondepudi	Temperature:	18.3~21.0°C	°C
Test Date:	2025/04/02~2025/04/08	Relative Humidity:	44.00~50.00%	%

Conducted Power on Port 0H

BW	Freq (MHz)	Condcuted Power (dBm)	MIMO Factor (dB)	Antenna Gain (dBi)	Directional Gain (dBi)	Total Conducted Power (dBm)	Conducted power limit (dBm)	Total EIRP (dBm)	Pass/Fail
40MHz	5755	7.63	12.04	16.28	16.28	19.67	19.72	35.95	Pass
	5795	7.63	12.04	16.28	16.28	19.67	19.72	35.95	Pass
	5825	7.56	12.04	16.28	16.28	19.60	19.72	35.88	Pass
40 + 40MHz	5755+5795	7.63	12.04	16.28	16.28	19.67	19.72	35.95	Pass
	5785+5825	7.61	12.04	16.28	16.28	19.65	19.72	35.93	Pass

PSD on Port 0H

BW	Freq (MHz)	Conducted PSD (dBm/500kHz)	MIMO Factor (dB)	Antenna Gain (dBi)	Directional Gain (dBi)	Total Conducted PSD (dBm/500kHz)	Conducted PSD limit (dBm/500kHz)	Pass/Fail
40MHz	5755	-10.76	12.04	16.28	16.28	1.28	19.72	Pass
	5795	-10.16	12.04	16.28	16.28	1.88	19.72	Pass
	5825	-10.74	12.04	16.28	16.28	1.30	19.72	Pass
40 + 40MHz	5755+5795	-12.8	12.04	16.28	16.28	-0.76	19.72	Pass
	5785+5825	-12.78	12.04	16.28	16.28	-0.74	19.72	Pass

Nant/Nss

Number of Ant	Number of SS	SS Correction
16	8	0
16	8	0
16	8	0
16	8	0
16	8	0

BW	Freq (MHz)	26dB BW (MHz)	OBW (MHz)	6dB BW (MHz)	6dB BW limit (MHz)	Pass/Fail
40MHz	5755	39.81	37.47	37.52	> 0.5	Pass
	5795	39.76	37.49	37.53	> 0.5	Pass
	5825	39.76	37.46	37.52	> 0.5	Pass
40 + 40MHz	5755+5795	79.78	76.95	77.54	> 0.5	Pass
	5785+5825	79.81	76.94	77.54	> 0.5	Pass

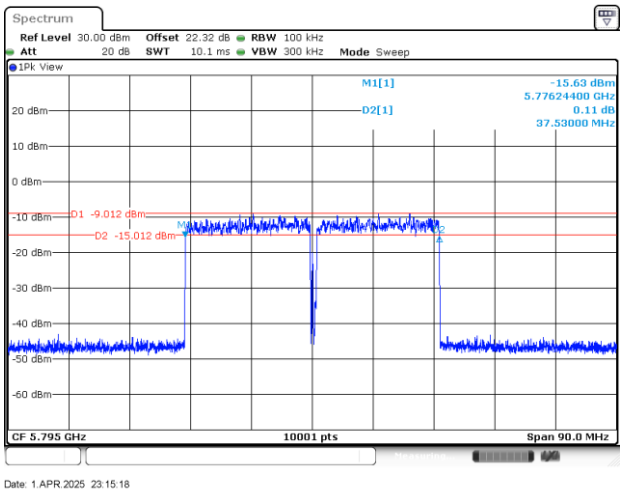
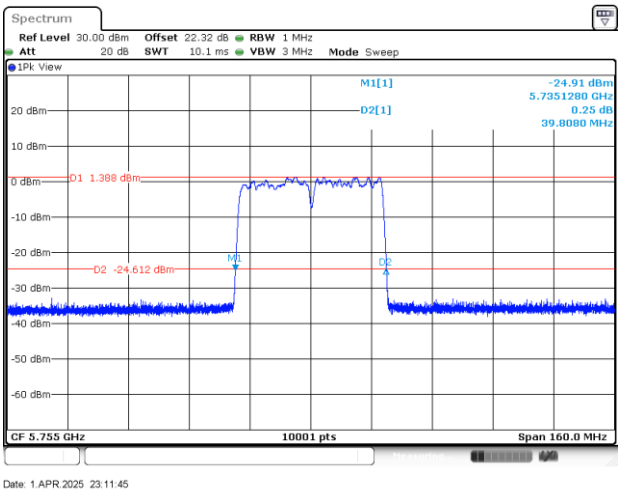
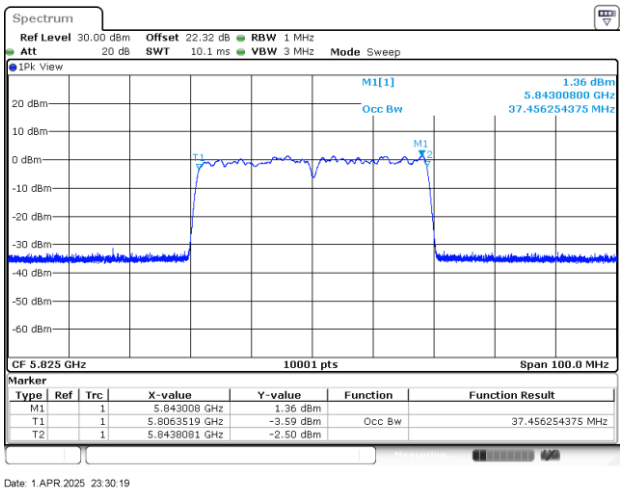
Conducted Output Power
Antenna Gain = 16.28dBi
Directional Gain (8H/8V) = 16.28dBi + 10log(Ntx = 8 / Nss = 8) = 16.28dBi
Conducted power limit = 30 – (Directional Gain – 6) = 19.72dBm

Power Spectral Density
Antenna Gain = 16.28dBi
Directional Gain (8H/8V) = 16.28dBi + 10log(Ntx = 8 / Nss = 8) = 16.28dBi
Conducted PSD limit = 30 – (Directional Gain – 6) = 19.72 dBm/500kHz

Test Result of 6dB and 26dB and 99% Occupied Bandwidth

<Single Carrier>

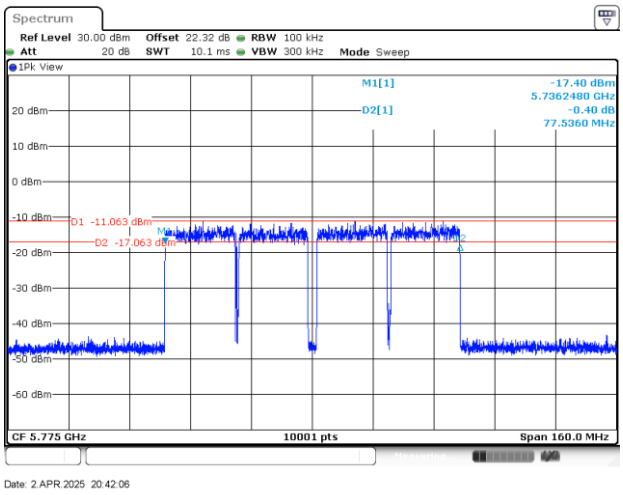
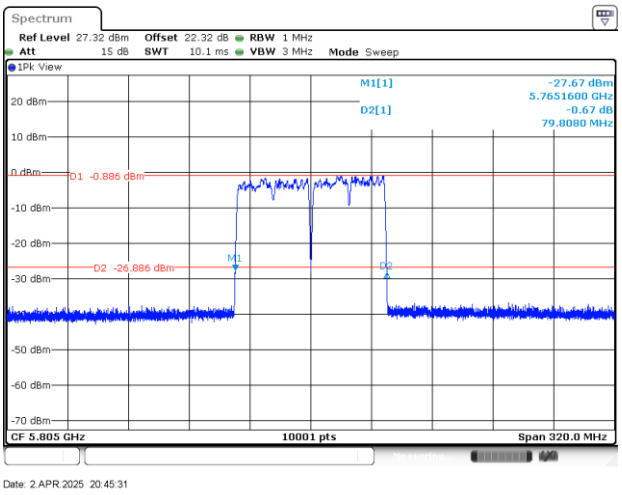
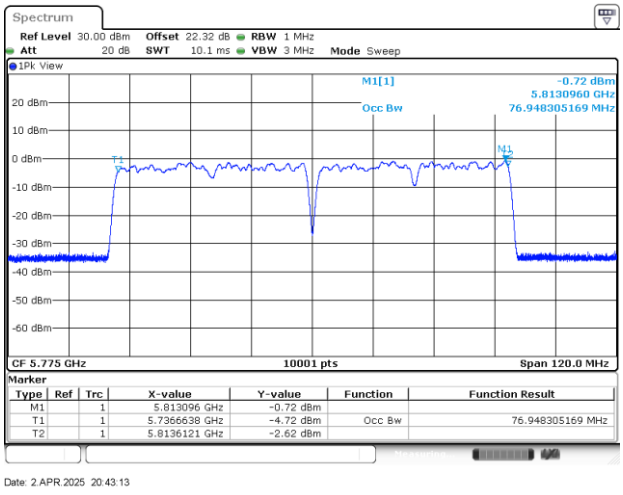
<40MHz>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<Multiple Carrier (Contiguous)>

<40MHz + 40MHz>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

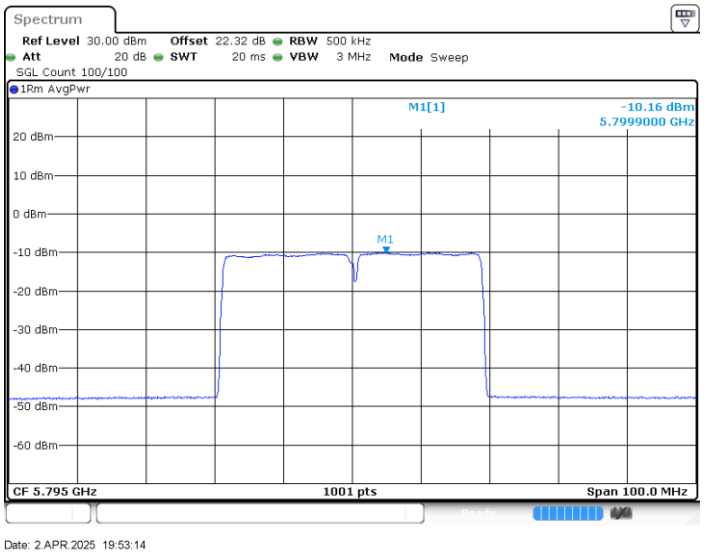
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

Test Result of Power Spectral Density

<Single Carrier>

<40MHz>

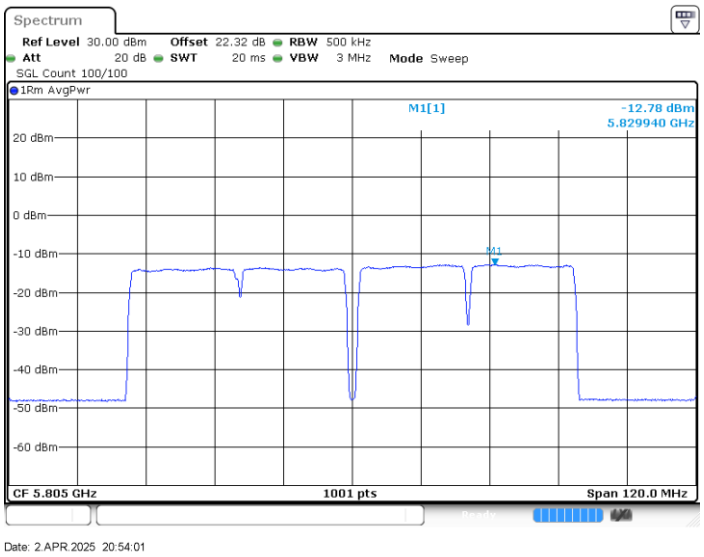
Maximum Power Density Plot (dBm/500kHz)



<Multiple Carrier (Contiguous)>

<40MHz + 40MHz>

Maximum Power Density Plot (dBm/500kHz)



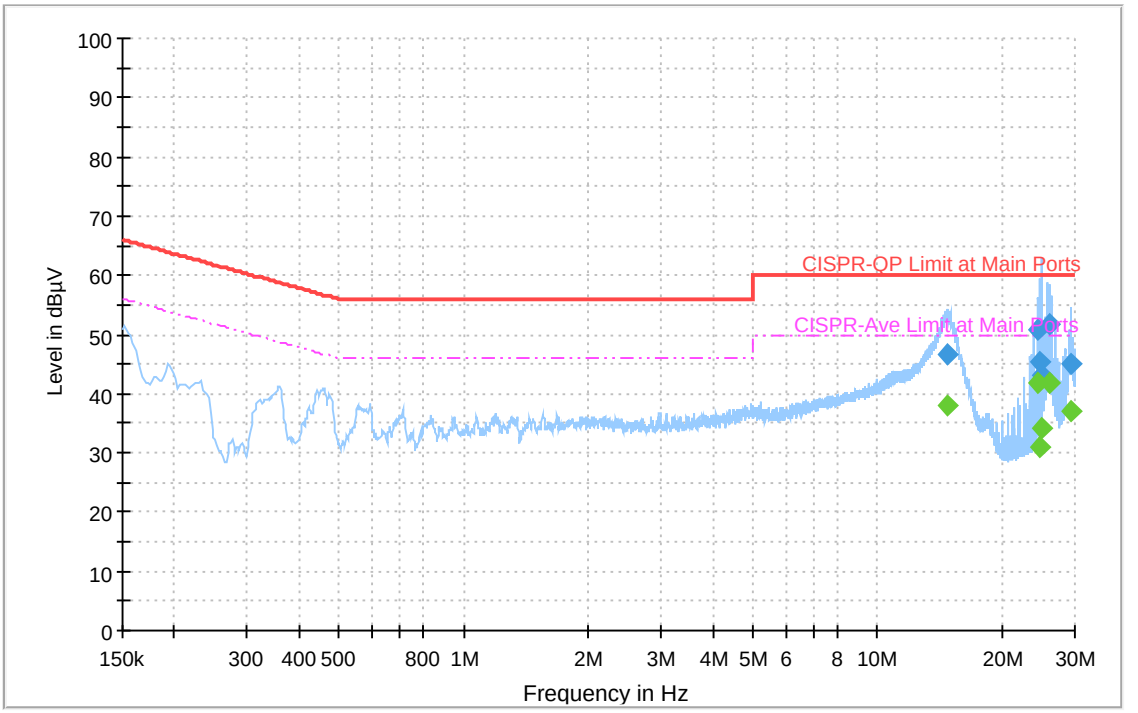
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Leo Liu	**Temperature :**	20.3~22.9℃
		Relative Humidity :	38.1~45.1%

EUT Information

Test Site Location :	CO01-CA
Project	250228001
Power:	120Vac/60Hz
Mode	1
	Line

Full Spectrum



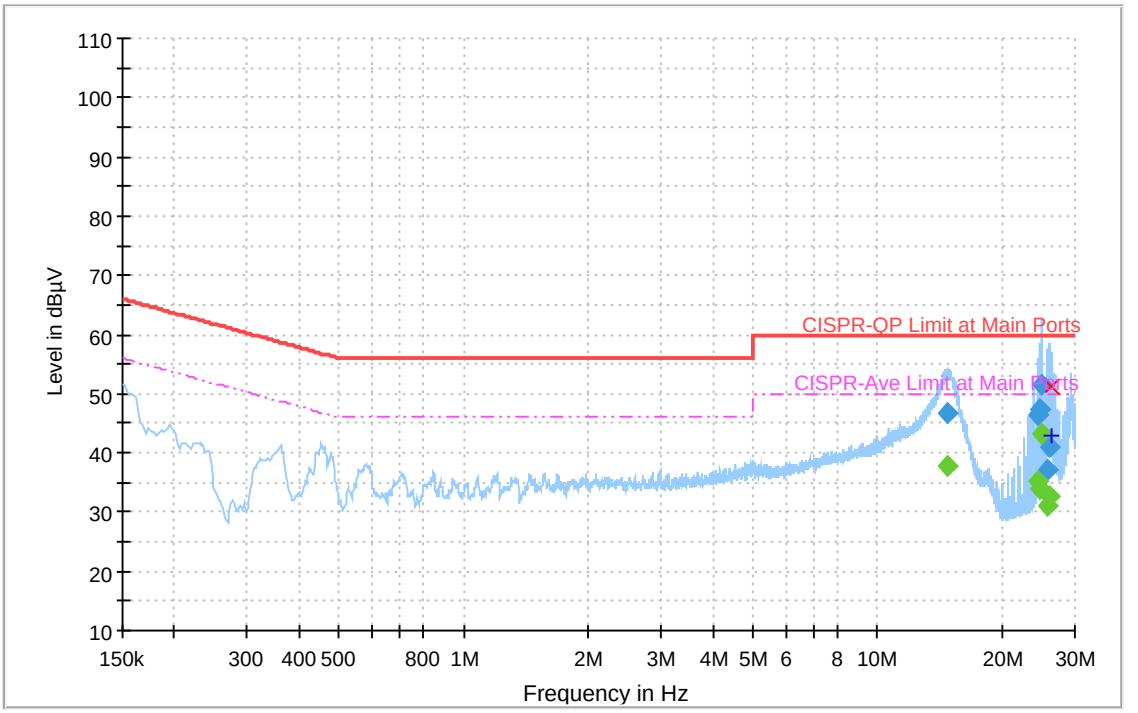
Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
14.756037	---	38.15	50.00	11.85	L1	OFF	20.6
14.756037	46.68	---	60.00	13.32	L1	OFF	20.6
24.290385	---	41.95	50.00	8.05	L1	OFF	20.9
24.290385	50.74	---	60.00	9.26	L1	OFF	20.9
24.646560	---	31.02	50.00	18.98	L1	OFF	20.9
24.646560	45.31	---	60.00	14.69	L1	OFF	20.9
25.000449	---	34.14	50.00	15.86	L1	OFF	21.0
25.000449	42.99	---	60.00	17.01	L1	OFF	21.0
26.059317	---	41.79	50.00	8.21	L1	OFF	21.1
26.059317	51.69	---	60.00	8.31	L1	OFF	21.1
29.251779	---	37.10	50.00	12.90	L1	OFF	21.5
29.251779	44.98	---	60.00	15.02	L1	OFF	21.5

EUT Information

Test Site Location :	CO01-CA
Project	250228001
Power:	120Vac/60Hz
Mode	1
	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
14.768565	46.65	---	60.00	13.35	N	OFF	20.7
14.768565	---	37.87	50.00	12.13	N	OFF	20.7
24.266004	46.36	---	60.00	13.64	N	OFF	21.0
24.266004	---	35.28	50.00	14.72	N	OFF	21.0
24.617850	47.43	---	60.00	12.57	N	OFF	21.0
24.617850	---	34.07	50.00	15.93	N	OFF	21.0
24.963036	51.50	---	60.00	8.50	N	OFF	21.0
24.963036	---	43.26	50.00	6.74	N	OFF	21.0
25.684503	37.12	---	60.00	22.88	N	OFF	21.1
25.684503	---	31.06	50.00	18.94	N	OFF	21.1
26.032056	41.11	---	60.00	18.89	N	OFF	21.2
26.032056	---	32.62	50.00	17.38	N	OFF	21.2

Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Ken Kuo, Leo Liu and Jesse Fan	**Temperature :**	20.5~24.6°C
		Relative Humidity :	38.2~46.8%

Note symbol

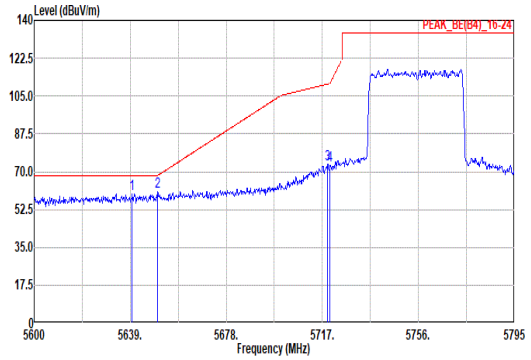
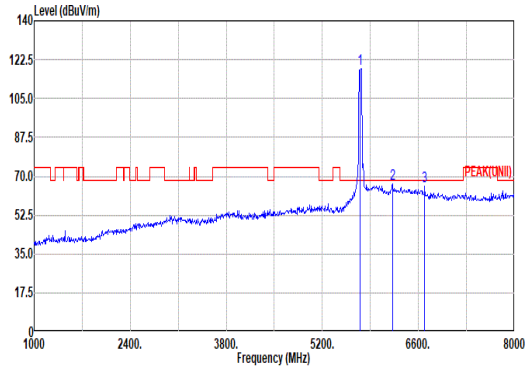
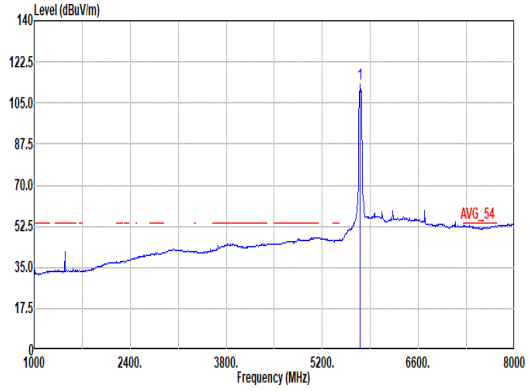
-L	**Low channel location**
-R	**High channel location**

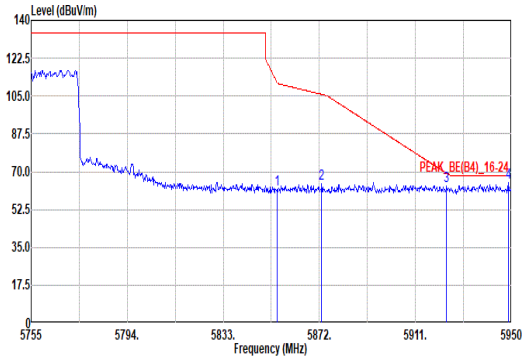
C1. Radiated Spurious Emission Test Modes

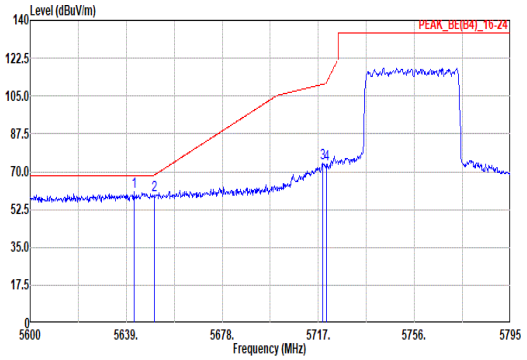
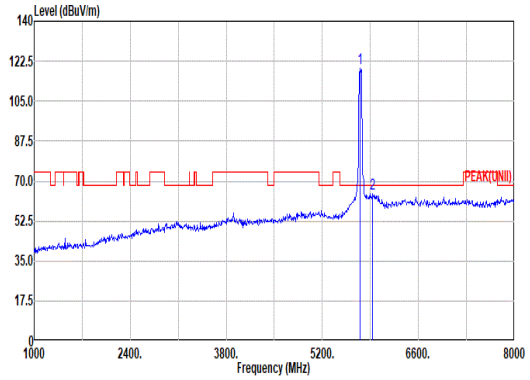
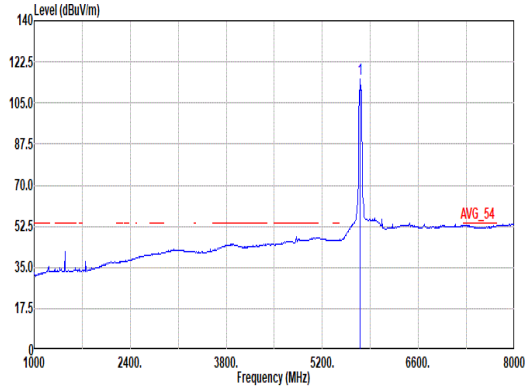
Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Remark
Mode 1	U-NII-3	5.725-5.85	MIMO	Proprietary	151	5755	-
Mode 2	U-NII-3	5.725-5.85	MIMO	Proprietary	159	5795	-
Mode 3	U-NII-3	5.725-5.85	MIMO	Proprietary	165	5825	-
Mode 4	U-NII-3	5.725-5.85	MIMO	Proprietary	151+159	5755+5795	-
Mode 5	U-NII-3	5.725-5.85	MIMO	Proprietary	157+165	5785+5825	-
Mode 6	U-NII-3	5.725-5.85	MIMO	Proprietary	165	5825	LF
Mode 7	U-NII-3	5.725-5.85	MIMO	Proprietary	165	5825	SHF

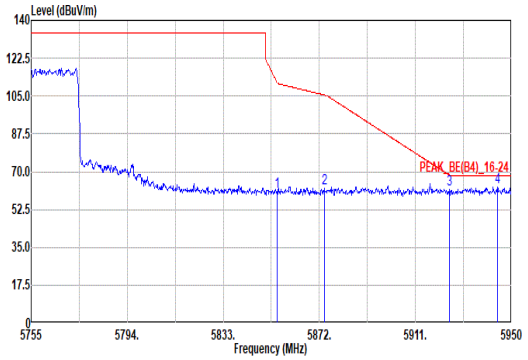
C2. Summary of each worse mode

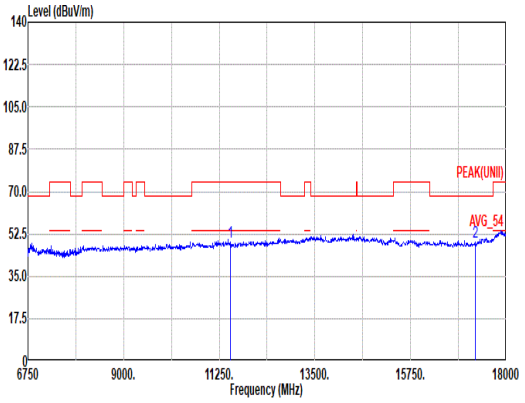
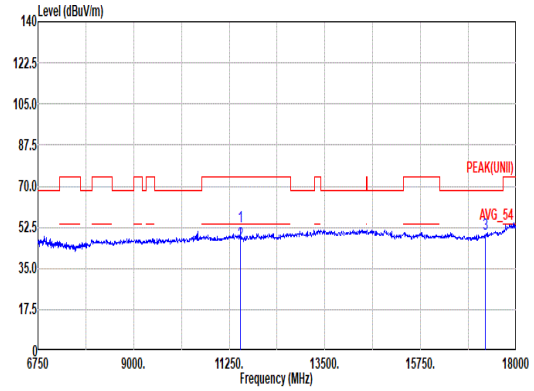
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
1	Proprietary	151	6222.00	66.61	68.20	-1.59	H	Peak	Pass	Band Edge
1	Proprietary	151	11510.00	46.17	54.00	-7.83	V	Avg.	Pass	Harmonic
2	Proprietary	159	6768.00	67.79	68.20	-0.41	H	Peak	Pass	Band Edge
2	Proprietary	159	11590.00	39.70	54.00	-14.30	V	Avg.	Pass	Harmonic
3	Proprietary	165	5959.75	67.93	68.20	-0.27	H	Peak	Pass	Band Edge
3	Proprietary	165	11650.00	49.64	54.00	-4.36	V	Avg.	Pass	Harmonic
4	Proprietary	151+159	5941.42	65.92	68.20	-2.28	H	Peak	Pass	Band Edge
4	Proprietary	151+159	11510.00	47.53	54.00	-6.47	V	Avg.	Pass	Harmonic
5	Proprietary	157+165	6369.00	67.61	68.20	-0.59	H	-	Pass	Band Edge
5	Proprietary	157+165	11650.00	45.99	54.00	-8.01	V	Avg.	Pass	Harmonic
6	LF	165	625.58	43.83	46.00	-2.17	V	QP	Pass	LF
7	SHF	165	39714.00	53.16	74.00	-20.84	H	Peak	Pass	SHF

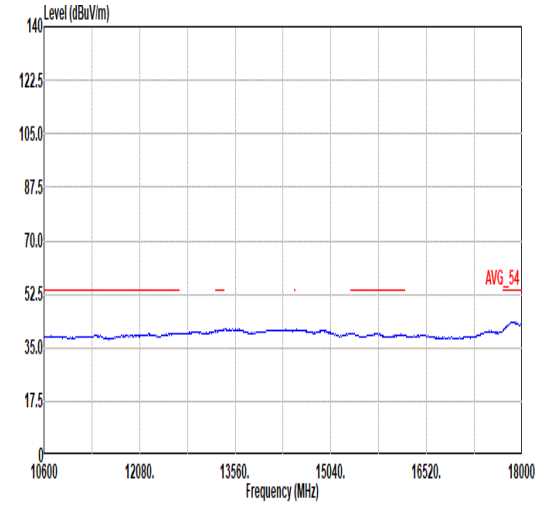
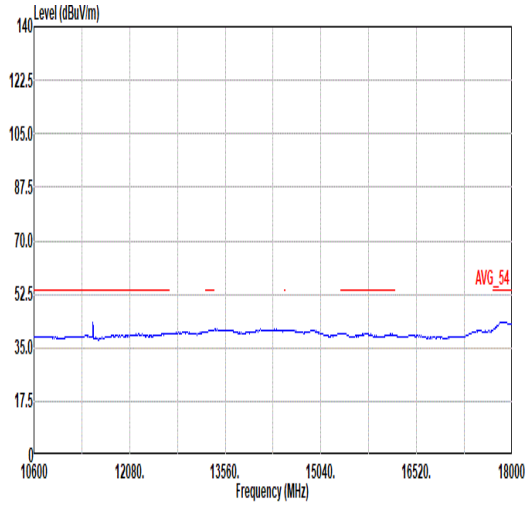
Mode	1	
	Band Edge - L	
	U-NII-3_5.725-5.85_CH151_5755MHz	
ANT	MIMO	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02115_240806 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5639.78 59.69 68.20 -8.51 43.29 33.28 12.28 29.16 0.00 177 177 PEAK 2 5650.12 60.72 68.29 -7.57 44.28 33.31 12.30 29.17 0.00 177 177 PEAK 3 5719.15 73.49 110.56 -37.07 56.66 33.57 12.42 29.16 0.00 177 177 PEAK 4 5720.12 72.79 111.07 -38.28 55.95 33.58 12.42 29.16 0.00 177 177 PEAK	 Site : 03CH01-CA Condition: PEAK(UNII) 3m HORN_02115_240806 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5755.00 118.54 ------ ------ 101.47 33.75 12.50 29.18 0.00 177 177 PEAK 2 6222.00 66.61 68.20 -1.59 48.89 34.26 12.87 29.41 0.00 180 179 Peak 3 6691.00 65.49 68.20 -2.71 46.19 35.80 13.33 29.83 0.00 175 177 Peak
Avg	Blank	 Site : 03CH01-CA Condition: AVG_54 3m HORN_02115_240806 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5755.00 113.03 ------ ------ 96.02 33.70 12.48 29.17 0.00 177 177 AVERAGE

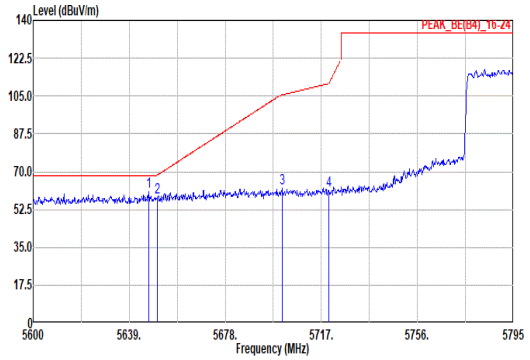
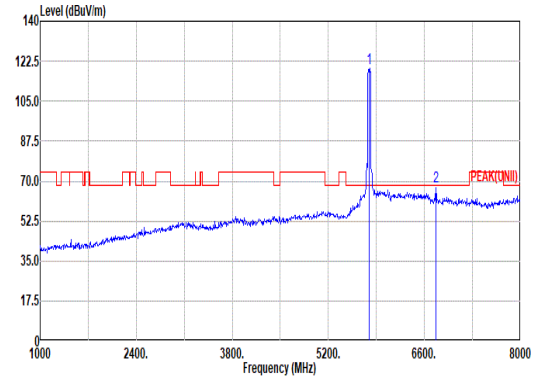
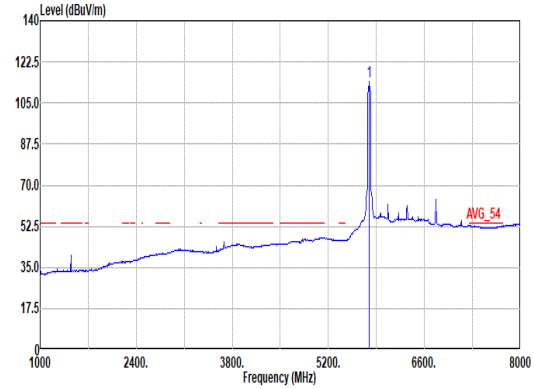
Mode	1	
	Band Edge - R	
	U-NII-3_5.725-5.85_CH151_5755MHz	
ANT	MIMO	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02115_240806 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.84 61.76 111.17 -49.41 44.38 34.04 12.57 29.23 0.00 177 177 PEAK 2 5872.98 64.48 105.77 -41.29 47.05 34.08 12.58 29.23 0.00 177 177 PEAK 3 5923.68 63.19 69.18 -5.99 45.69 34.15 12.59 29.24 0.00 177 177 PEAK 4 5948.83 65.17 68.20 -3.03 47.64 34.18 12.60 29.25 0.00 177 177 PEAK	Blank

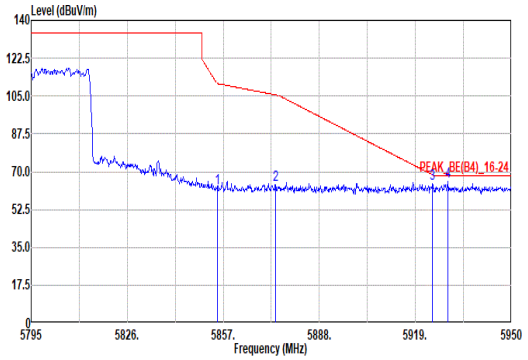
Mode	1	
	Band Edge - L	
	U-NII-3_5.725-5.85_CH151_5755MHz	
ANT	MIMO	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02115_240806 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5642.12 61.00 68.20 -7.20 44.62 33.27 12.28 29.17 0.00 177 183 PEAK 2 5650.51 59.26 68.58 -9.32 42.84 33.29 12.30 29.17 0.00 177 183 PEAK 3 5718.76 73.93 110.45 -36.52 57.10 33.57 12.42 29.16 0.00 177 183 PEAK 4 5720.32 73.19 111.52 -38.33 56.35 33.58 12.42 29.16 0.00 177 183 PEAK	 Site : 03CH01-CA Condition: PEAK(UNII) 3m HORN_02115_240806 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5755.00 119.41 ------ ------ 102.39 33.71 12.48 29.17 0.00 177 183 PEAK 2 5935.00 64.45 68.20 -3.75 46.91 34.19 12.59 29.24 0.00 177 179 Peak
Avg	Blank	 Site : 03CH01-CA Condition: AVG_54 3m HORN_02115_240806 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5755.00 115.14 ------ ------ 98.12 33.71 12.48 29.17 0.00 177 183 AVERAGE

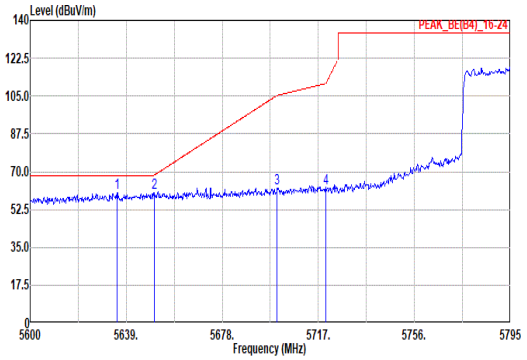
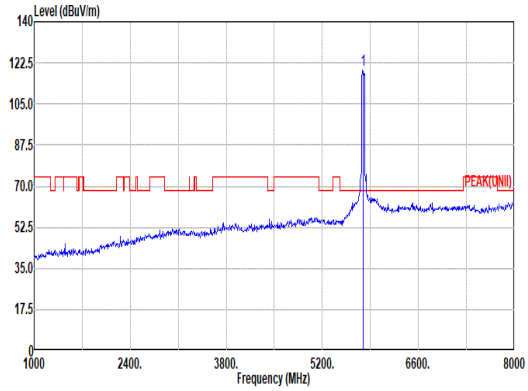
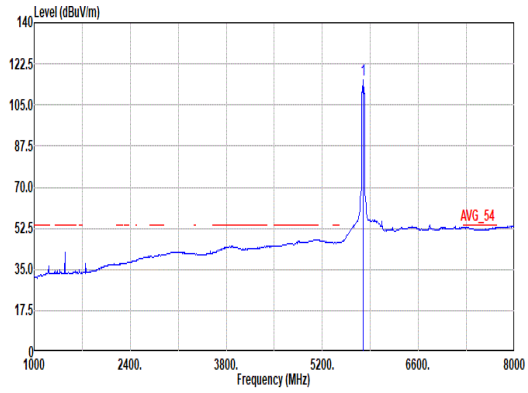
Mode	1	
	Band Edge - R	
	U-NII-3_5.725-5.85_CH151_5755MHz	
ANT	MIMO	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02115_240806 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.84 60.77 111.17 -50.40 43.37 34.06 12.57 29.23 0.00 177 183 PEAK 2 5873.95 62.37 105.49 -43.12 44.92 34.10 12.58 29.23 0.00 177 183 PEAK 3 5924.85 61.92 68.31 -6.39 44.40 34.17 12.59 29.24 0.00 177 183 PEAK 4 5944.35 62.94 68.20 -5.26 45.40 34.19 12.60 29.25 0.00 177 183 PEAK	Blank

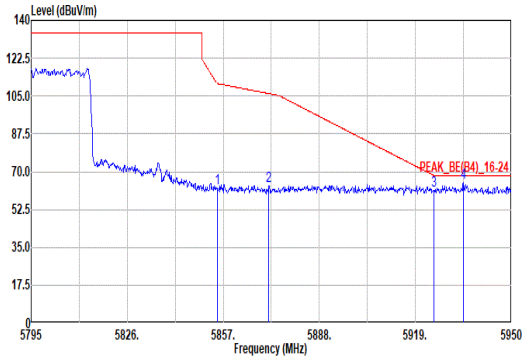
Mode	1	
	Harmonic	
	U-NII-3_5.725-5.85_CH151_5755MHz	
ANT	MIMO	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH01-CA Condition: PEAK(UNII) 3m HORN_02113_240426 HORIZONTAL Mode : 1 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11510.00 49.32 74.00 -24.68 60.33 39.07 17.54 67.82 0.20 -- -- PEAK 2 17265.00 49.11 68.20 -19.09 58.46 37.97 21.47 68.98 0.19 -- -- PEAK	 Site : 03CH01-CA Condition: PEAK(UNII) 3m HORN_02113_240426 VERTICAL Mode : 1 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11510.00 52.79 74.00 -21.21 63.84 39.03 17.54 67.82 0.20 300 20 PEAK 2 11510.00 46.17 54.00 -7.83 57.22 39.03 17.54 67.82 0.20 300 20 Average 3 17265.00 49.82 68.20 -18.38 59.00 38.14 21.47 68.98 0.19 -- -- PEAK

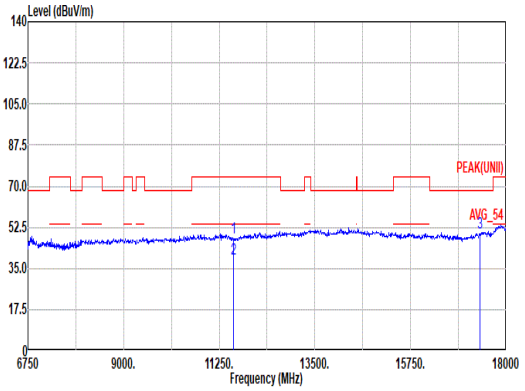
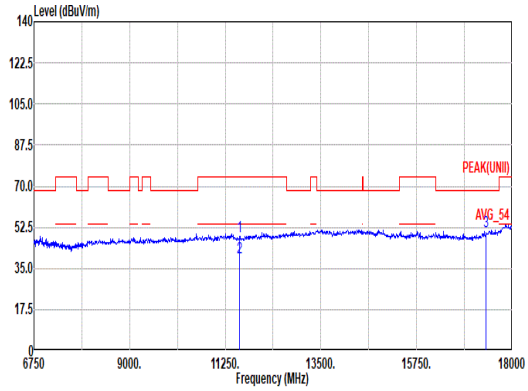
Mode	1	
	Harmonic	
	U-NII-3_5.725-5.85_CH151_5755MHz	
ANT	MIMO	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH01-CA Condition: AVG_54 3m HORN_02113_240426 HORIZONTAL Mode : 1	 Site : 03CH01-CA Condition: AVG_54 3m HORN_02113_240426 VERTICAL Mode : 1

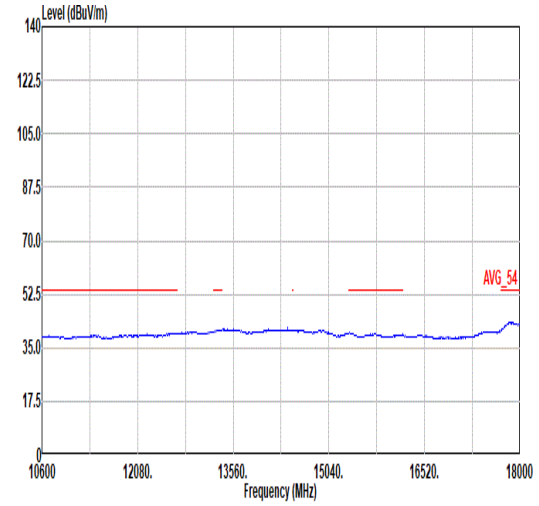
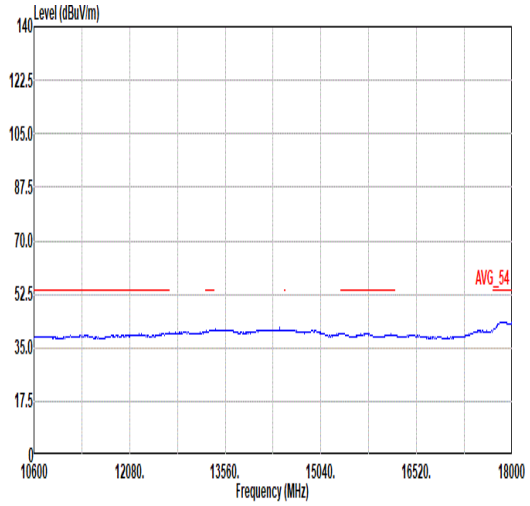
Mode	2	
	Band Edge - L	
	U-NII-3_5.725-5.85_CH159_5795MHz	
ANT	MIMO	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02115_240806 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5646.80 60.65 68.20 -7.55 44.23 33.30 12.29 29.17 0.00 170 169 PEAK 2 5650.31 58.29 68.43 -10.14 41.85 33.31 12.30 29.17 0.00 170 169 PEAK 3 5701.01 62.51 105.48 -42.97 45.77 33.50 12.39 29.15 0.00 170 169 PEAK 4 5720.12 61.15 111.07 -49.92 44.31 33.58 12.42 29.16 0.00 170 169 PEAK	 Site : 03CH01-CA Condition: PEAK(UNII) 3m HORN_02115_240806 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5795.00 119.23 ------ ------ 101.97 33.90 12.56 29.20 0.00 170 169 PEAK 2 6768.00 67.79 68.20 -0.41 48.47 35.83 13.41 29.92 0.00 175 171 Peak
Avg	Blank	 Site : 03CH01-CA Condition: AVG_54 3m HORN_02115_240806 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5795.00 113.88 ------ ------ 96.67 33.85 12.55 29.19 0.00 170 169 AVERAGE

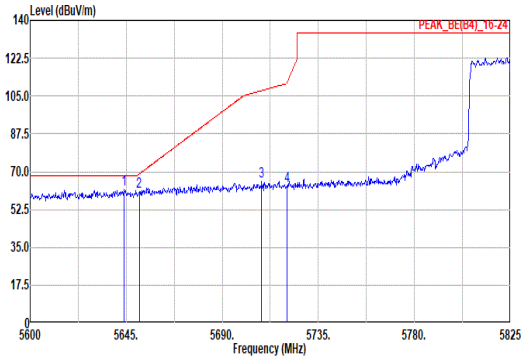
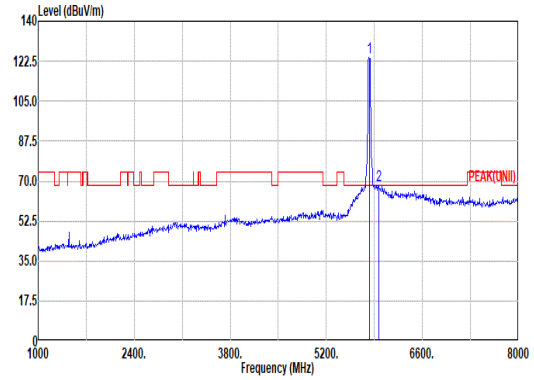
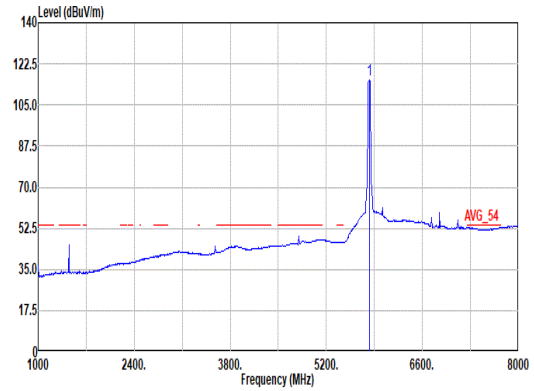
Mode	2	
	Band Edge - R	
	U-NII-3_5.725-5.85_CH159_5795MHz	
ANT	MIMO	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02115_240806 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.99 62.48 110.83 -48.35 45.10 34.04 12.57 29.23 0.00 170 169 PEAK 2 5873.90 64.10 105.51 -41.41 46.67 34.08 12.58 29.23 0.00 170 169 PEAK 3 5924.58 64.54 68.51 -3.97 47.04 34.15 12.59 29.24 0.00 170 169 PEAK 4 5929.39 65.68 68.20 -2.52 48.17 34.16 12.59 29.24 0.00 170 169 PEAK	Blank

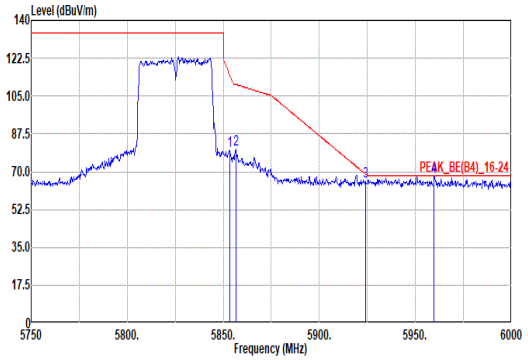
Mode	2	
	Band Edge - L	
	U-NII-3_5.725-5.85_CH159_5795MHz	
ANT	MIMO	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02115_240806 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5635.30 60.40 68.20 -7.80 44.04 33.25 12.27 29.16 0.00 174 184 PEAK 2 5650.31 60.41 68.43 -8.02 43.99 33.29 12.30 29.17 0.00 174 184 PEAK 3 5700.23 62.13 105.26 -43.13 45.40 33.49 12.39 29.15 0.00 174 184 PEAK 4 5720.12 62.49 111.07 -48.58 45.66 33.57 12.42 29.16 0.00 174 184 PEAK	 Site : 03CH01-CA Condition: PEAK(UNII) 3m HORN_02115_240806 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5795.00 119.46 ------ ------ 102.27 33.84 12.54 29.19 0.00 174 184 PEAK
Avg	Blank	 Site : 03CH01-CA Condition: AVG_54 3m HORN_02115_240806 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5795.00 115.71 ------ ------ 98.48 33.87 12.55 29.19 0.00 174 184 AVERAGE

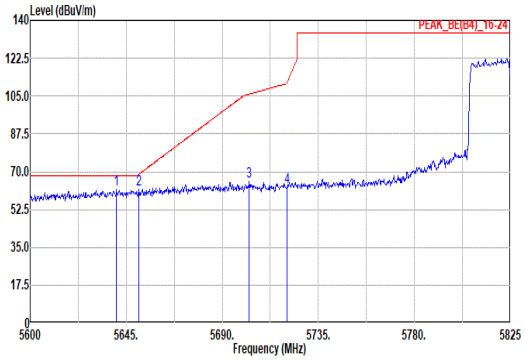
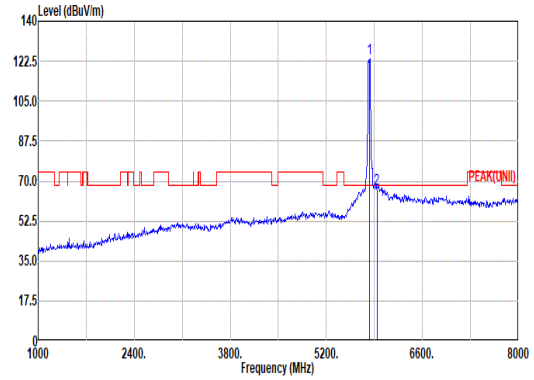
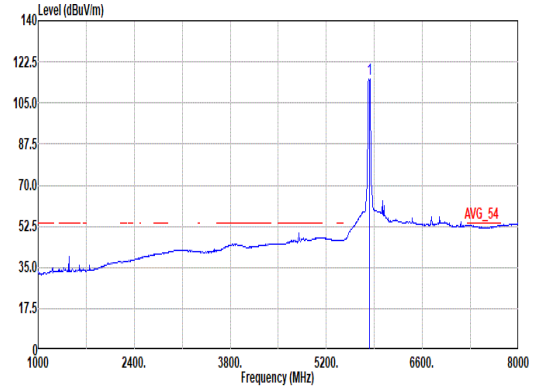
Mode	2	
	Band Edge - R	
	U-NII-3_5.725-5.85_CH159_5795MHz	
ANT	MIMO	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02115_240806 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.99 62.29 110.83 -48.54 44.89 34.06 12.57 29.23 0.00 174 184 PEAK 2 5871.73 63.55 106.12 -42.57 46.11 34.09 12.58 29.23 0.00 174 184 PEAK 3 5924.89 61.49 68.28 -6.79 43.97 34.17 12.59 29.24 0.00 174 184 PEAK 4 5934.50 64.89 68.20 -3.31 47.36 34.18 12.59 29.24 0.00 174 184 PEAK	Blank

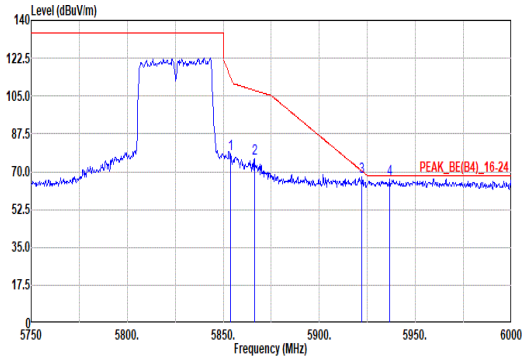
Mode	2	
	Harmonic	
	U-NII-3_5.725-5.85_CH159_5795MHz	
ANT	MIMO	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH01-CA Condition: PEAK(UNII) 3m HORN_02113_240426 HORIZONTAL Mode : 2 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11590.00 48.05 74.00 -25.95 59.32 38.85 17.60 67.90 0.18 -- -- PEAK 2 11590.00 38.97 54.00 -15.03 50.24 38.85 17.60 67.90 0.18 -- -- Average 3 17385.00 50.36 68.20 -17.84 59.53 38.25 21.55 69.16 0.19 -- -- PEAK	 Site : 03CH01-CA Condition: PEAK(UNII) 3m HORN_02113_240426 VERTICAL Mode : 2 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11590.00 48.74 74.00 -25.26 60.04 38.82 17.60 67.90 0.18 -- -- PEAK 2 11590.00 39.70 54.00 -14.30 51.00 38.82 17.60 67.90 0.18 -- -- Average 3 17385.00 50.93 68.20 -17.27 59.90 38.45 21.55 69.16 0.19 -- -- PEAK

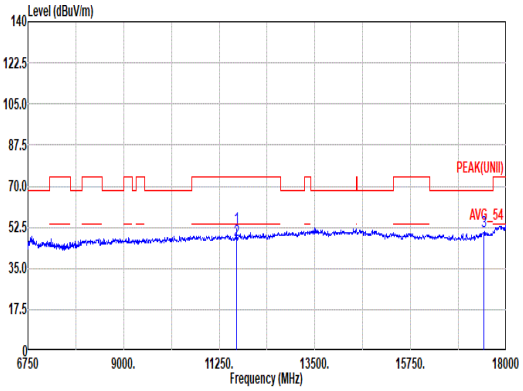
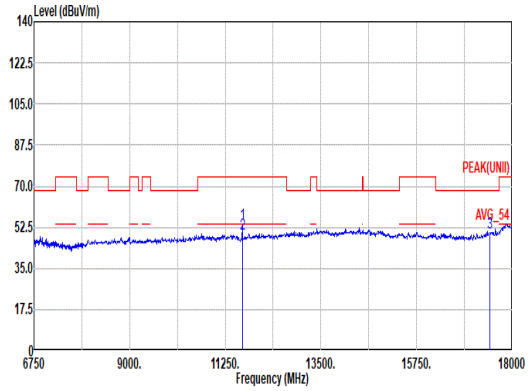
Mode	2	
	Harmonic	
	U-NII-3_5.725-5.85_CH159_5795MHz	
ANT	MIMO	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH01-CA Condition: AVG_54 3m HORN_02113_240426 HORIZONTAL Mode : 2	 Site : 03CH01-CA Condition: AVG_54 3m HORN_02113_240426 VERTICAL Mode : 2

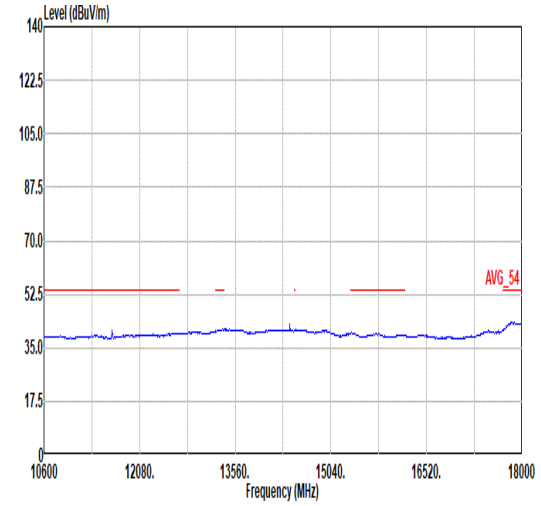
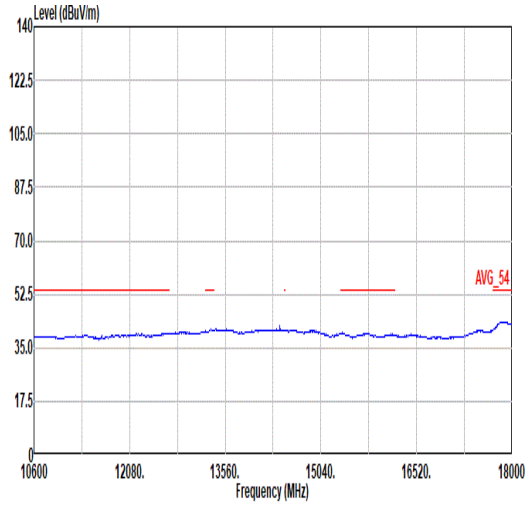
Mode	3	
	Band Edge - L	
	U-NII-3_5.725-5.85_CH165_5825MHz	
ANT	MIMO	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5643.88 61.59 68.20 -6.61 45.13 33.34 12.29 29.17 0.00 178 159 PEAK 2 5651.08 60.85 69.00 -8.15 44.36 33.36 12.30 29.17 0.00 178 159 PEAK 3 5708.45 65.54 107.57 -42.03 48.69 33.60 12.40 29.15 0.00 178 159 PEAK 4 5720.15 63.38 111.14 -47.76 46.46 33.66 12.42 29.16 0.00 178 159 PEAK	 Site : 03CH01-CA Condition: PEAK(UNII) 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 123.92 ------ ------ 106.46 34.10 12.57 29.21 0.00 178 159 PEAK 2 5959.75 67.93 68.20 -0.27 50.33 34.25 12.60 29.25 0.00 178 159 Peak
Avg	Blank	 Site : 03CH01-CA Condition: AVG_54 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 115.64 ------ ------ 98.17 34.11 12.57 29.21 0.00 178 159 AVERAGE

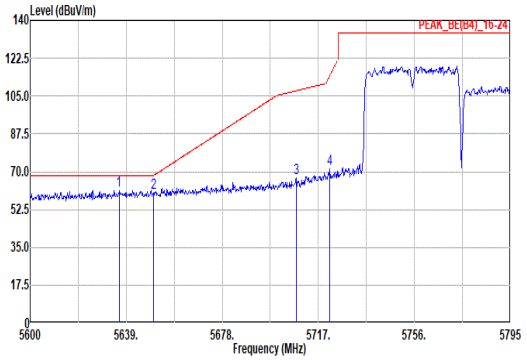
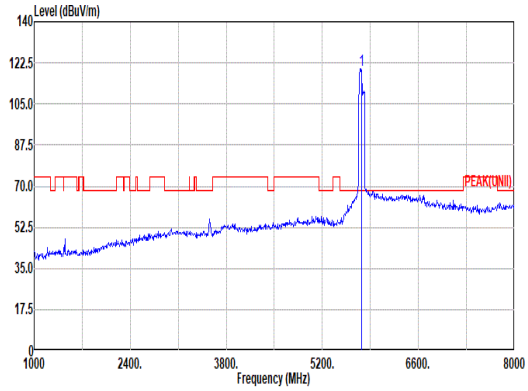
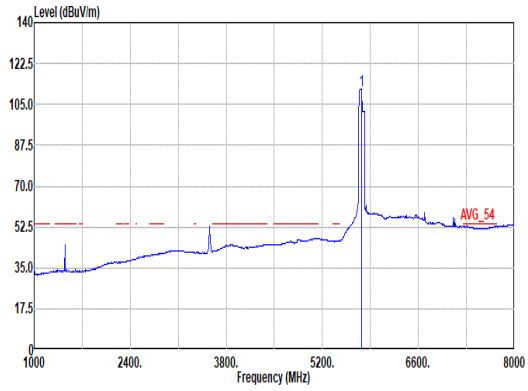
Mode	3	
	Band Edge - R	
	U-NII-3_5.725-5.85_CH165_5825MHz	
ANT	MIMO	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5853.50 80.02 114.22 -34.20 62.50 34.18 12.57 29.23 0.00 178 159 PEAK 2 5856.50 80.08 110.38 -30.30 62.56 34.18 12.57 29.23 0.00 178 159 PEAK 3 5924.00 65.52 68.94 -3.42 47.92 34.25 12.59 29.24 0.00 178 159 PEAK 4 5959.75 67.81 68.20 -0.39 50.23 34.24 12.60 29.26 0.00 178 159 Peak	Blank

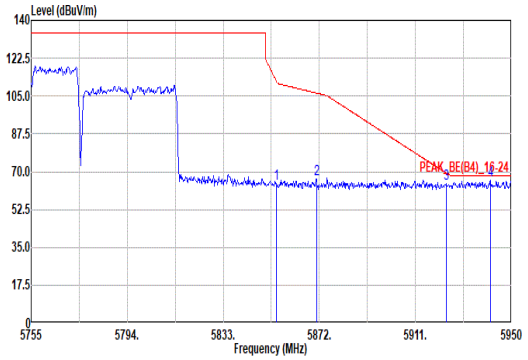
Mode	3	
	Band Edge - L	
	U-NII-3_5.725-5.85_CH165_5825MHz	
ANT	MIMO	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5640.50 61.68 68.20 -6.52 45.17 33.39 12.28 29.16 0.00 179 188 PEAK 2 5650.85 61.91 68.83 -6.92 45.36 33.42 12.30 29.17 0.00 179 188 PEAK 3 5702.60 65.38 105.93 -40.55 48.53 33.61 12.39 29.15 0.00 179 188 PEAK 4 5720.15 63.00 111.14 -48.14 46.04 33.70 12.42 29.16 0.00 179 188 PEAK	 Site : 03CH01-CA Condition: PEAK(UNII) 3m HORN_02113_240426 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 123.64 ------ ------ 106.12 34.17 12.57 29.22 0.00 179 188 PEAK 2 5936.50 66.34 68.20 -1.86 48.68 34.31 12.59 29.24 0.00 179 188 Peak
Avg	Blank	 Site : 03CH01-CA Condition: AVG_54 3m HORN_02113_240426 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 115.13 ------ ------ 97.60 34.19 12.57 29.23 0.00 179 188 AVERAGE

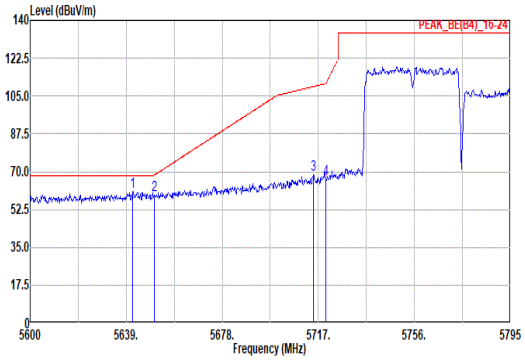
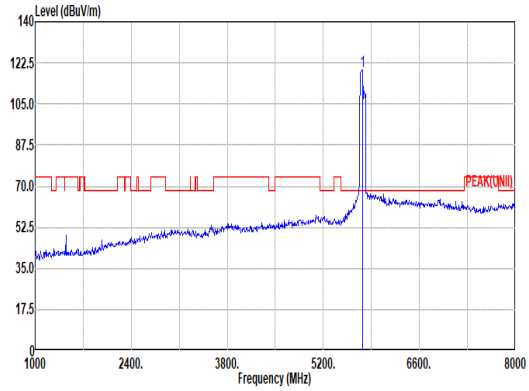
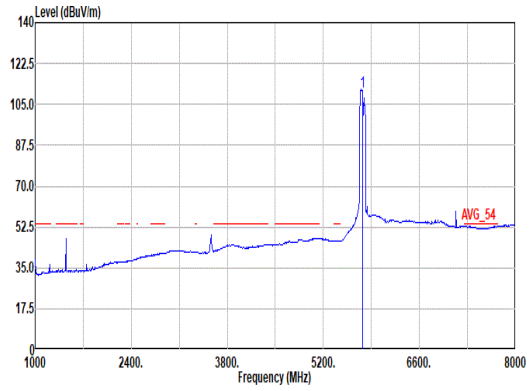
Mode	3	
	Band Edge - R	
	U-NII-3_5.725-5.85_CH165_5825MHz	
ANT	MIMO	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5853.75 77.94 113.65 -35.71 60.38 34.22 12.57 29.23 0.00 179 188 PEAK 2 5866.25 75.82 107.65 -31.83 58.23 34.24 12.58 29.23 0.00 179 188 PEAK 3 5922.25 67.82 70.23 -2.41 50.16 34.31 12.59 29.24 0.00 179 188 PEAK 4 5936.50 66.34 68.20 -1.86 48.68 34.31 12.59 29.24 0.00 179 188 PEAK	Blank

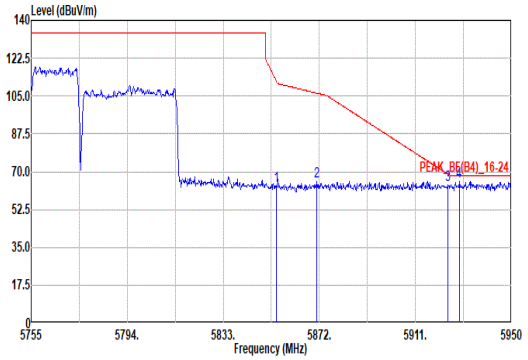
Mode	3	
	Harmonic	
	U-NII-3_5.725-5.85_CH165_5825MHz	
ANT	MIMO	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH01-CA Condition: PEAK(UNII) 3m HORN_02113_240426 HORIZONTAL Mode : 3 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11650.00 52.56 74.00 -21.44 63.83 38.72 17.64 67.80 0.17 100 285 PEAK 2 11650.00 47.13 54.00 -6.87 58.40 38.72 17.64 67.80 0.17 100 285 Average 3 17475.00 50.93 68.20 -17.27 59.96 38.53 21.60 69.35 0.19 -- -- PEAK	 Site : 03CH01-CA Condition: PEAK(UNII) 3m HORN_02113_240426 VERTICAL Mode : 3 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11650.00 54.02 74.00 -19.98 65.31 38.70 17.64 67.80 0.17 100 35 PEAK 2 11650.00 49.64 54.00 -4.36 60.93 38.70 17.64 67.80 0.17 100 35 Average 3 17475.00 50.23 68.20 -17.97 59.04 38.75 21.60 69.35 0.19 -- -- PEAK

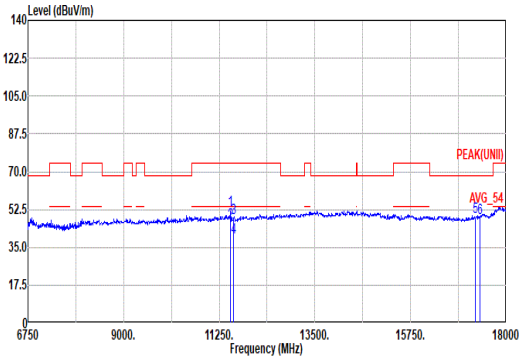
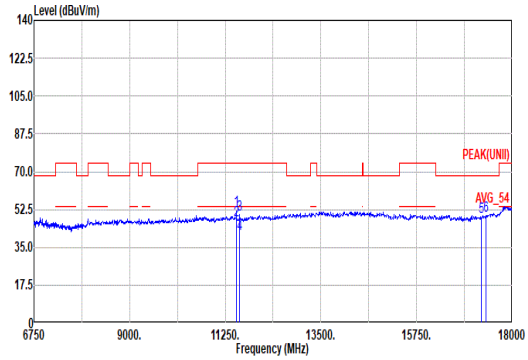
Mode	3	
	Harmonic	
	U-NII-3_5.725-5.85_CH165_5825MHz	
ANT	MIMO	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH01-CA Condition: AVG_54 3m HORN_02113_240426 HORIZONTAL Mode : 3	 Site : 03CH01-CA Condition: AVG_54 3m HORN_02113_240426 VERTICAL Mode : 3

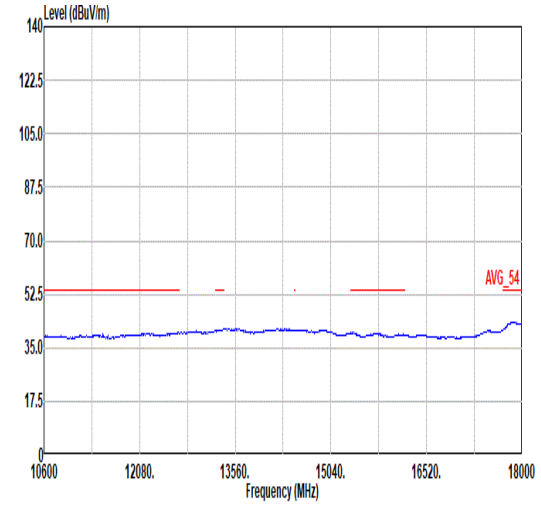
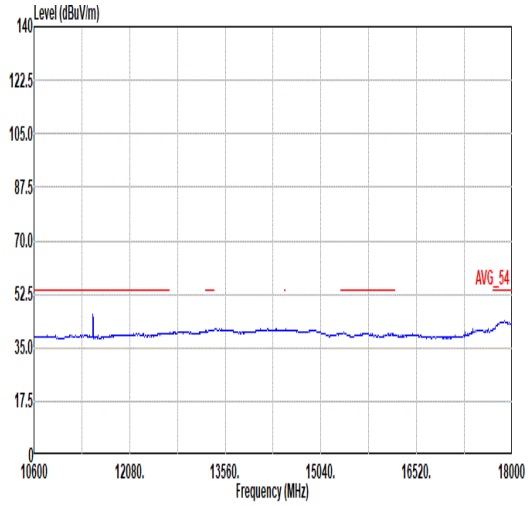
Mode	4	
	Band Edge - L	
	U-NII-3_5.725-5.85_CH151+159_5755+5795MHz	
ANT	MIMO	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5636.08 61.29 68.20 -6.91 44.86 33.32 12.27 29.16 0.00 177 162 PEAK 2 5650.12 60.21 68.29 -8.08 43.72 33.36 12.30 29.17 0.00 177 162 PEAK 3 5708.03 67.07 107.45 -40.38 50.22 33.60 12.40 29.15 0.00 177 162 PEAK 4 5721.49 71.48 114.19 -42.71 54.56 33.66 12.42 29.16 0.00 177 162 PEAK	 Site : 03CH01-CA Condition: PEAK(UNII) 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5775.00 119.43 ------ ------ 102.19 33.91 12.51 29.18 0.00 177 162 Peak
Avg	Blank	 Site : 03CH01-CA Condition: AVG_54 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5775.00 111.03 ------ ------ 93.79 33.91 12.51 29.18 0.00 177 162 Average

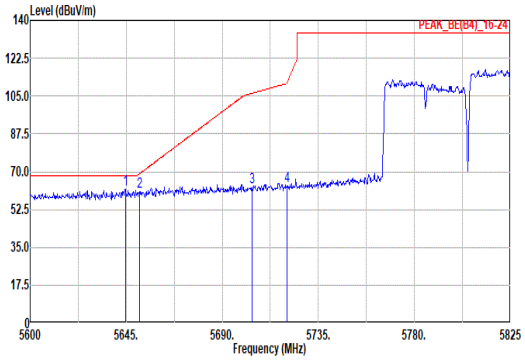
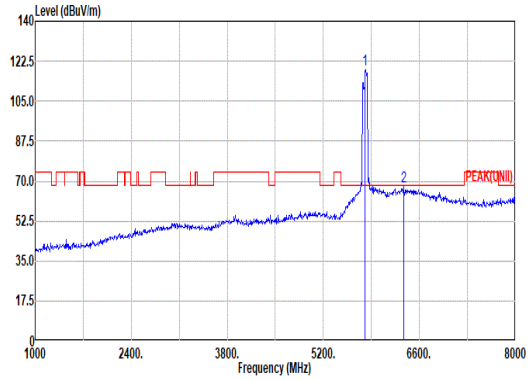
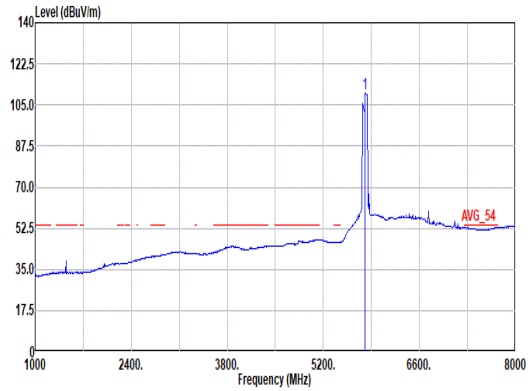
Mode	4	
	Band Edge - R	
	U-NII-3_5.725-5.85_CH151+159_5755+5795MHz	
ANT	MIMO	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.65 64.63 111.61 -46.98 47.11 34.18 12.57 29.23 0.00 177 162 PEAK 2 5870.83 66.63 106.37 -39.74 49.08 34.20 12.58 29.23 0.00 177 162 PEAK 3 5923.48 64.53 69.32 -4.79 46.93 34.25 12.59 29.24 0.00 177 162 PEAK 4 5941.42 65.92 68.20 -2.28 48.32 34.25 12.60 29.25 0.00 177 162 PEAK	Blank

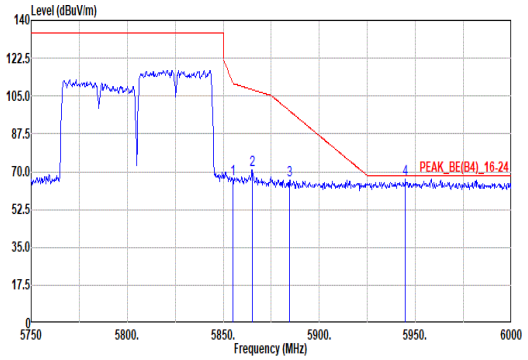
Mode	4	
	Band Edge - L	
	U-NII-3_5.725-5.85_CH151+159_5755+5795MHz	
ANT	MIMO	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5641.73 60.72 68.20 -7.48 44.21 33.40 12.28 29.17 0.00 177 159 PEAK 2 5650.51 59.04 68.58 -9.54 42.49 33.42 12.30 29.17 0.00 177 159 PEAK 3 5715.05 68.91 109.42 -40.51 51.99 33.67 12.41 29.16 0.00 177 159 PEAK 4 5720.12 66.40 111.07 -44.67 49.44 33.70 12.42 29.16 0.00 177 159 PEAK	 Site : 03CH01-CA Condition: PEAK(UNII) 3m HORN_02113_240426 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5775.00 118.69 ------ ------ 101.41 33.95 12.51 29.18 0.00 177 159 Peak
Avg	Blank	 Site : 03CH01-CA Condition: AVG_54 3m HORN_02113_240426 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5775.00 110.40 ------ ------ 93.12 33.95 12.51 29.18 0.00 177 159 Average

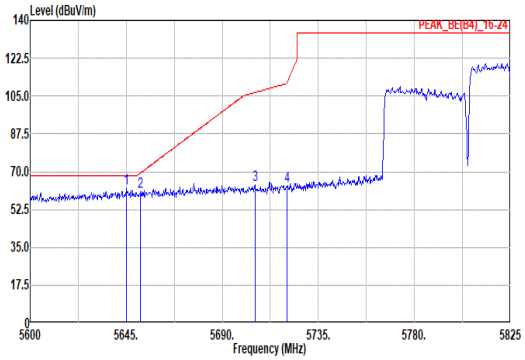
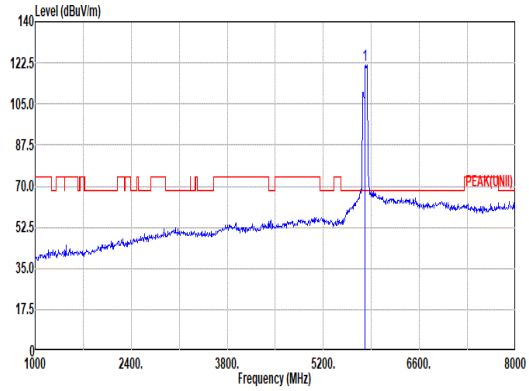
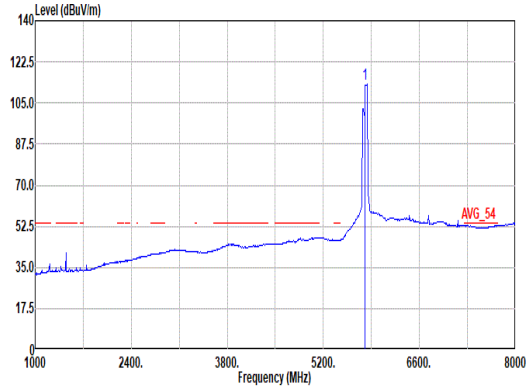
Mode	4	
	Band Edge - R	
	U-NII-3_5.725-5.85_CH151+159_5755+5795MHz	
ANT	MIMO	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.65 63.60 111.61 -48.01 46.04 34.22 12.57 29.23 0.00 177 159 PEAK 2 5871.03 65.67 106.31 -40.64 48.07 34.25 12.58 29.23 0.00 177 159 PEAK 3 5924.07 63.83 68.89 -5.06 46.17 34.31 12.59 29.24 0.00 177 159 PEAK 4 5928.75 65.36 68.20 -2.84 47.70 34.31 12.59 29.24 0.00 177 159 PEAK	Blank

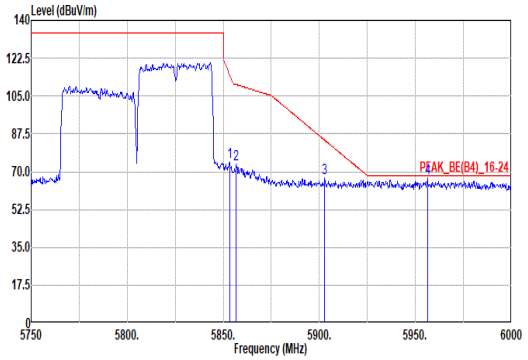
Mode	4	
	Harmonic	
	U-NII-3_5.725-5.85_CH151+159_5755+5795MHz	
ANT	MIMO	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH01-CA Condition: PEAK(UNII) 3m HORN_02113_240426 HORIZONTAL Mode : 4 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11510.00 52.12 74.00 -21.88 63.13 39.07 17.54 67.82 0.20 295 207 Peak 2 11510.00 46.59 54.00 -7.41 57.60 39.07 17.54 67.82 0.20 295 207 Average 3 11590.00 48.53 74.00 -25.47 59.80 38.85 17.60 67.90 0.18 -- -- Peak 4 11590.00 39.49 54.00 -14.51 50.76 38.85 17.60 67.90 0.18 -- -- Average 5 17265.00 49.27 68.20 -18.93 58.62 37.97 21.47 68.98 0.19 -- -- PEAK 6 17385.00 48.55 68.20 -19.65 57.72 38.25 21.55 69.16 0.19 -- -- Peak	 Site : 03CH01-CA Condition: PEAK(UNII) 3m HORN_02113_240426 VERTICAL Mode : 4 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11510.00 52.45 74.00 -21.55 63.50 39.03 17.54 67.82 0.20 100 41 PEAK 2 11510.00 47.53 54.00 -6.47 58.58 39.03 17.54 67.82 0.20 100 41 Average 3 11590.00 49.99 74.00 -24.01 61.29 38.82 17.60 67.90 0.18 -- -- Peak 4 11590.00 40.99 54.00 -13.01 52.29 38.82 17.60 67.90 0.18 -- -- Average 5 17265.00 48.95 68.20 -19.25 58.13 38.14 21.47 68.98 0.19 -- -- PEAK 6 17385.00 49.59 68.20 -18.61 58.56 38.45 21.55 69.16 0.19 -- -- Peak

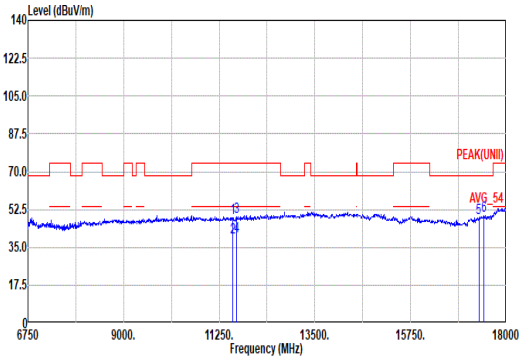
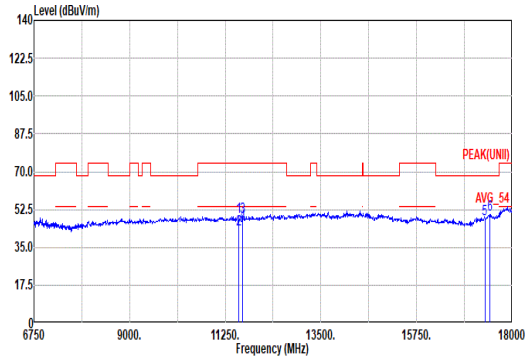
Mode	4	
	Harmonic	
	U-NII-3_5.725-5.85_CH151+159_5755+5795MHz	
ANT	MIMO	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH01-CA Condition: AVG_54 3m HORN_02113_240426 HORIZONTAL Mode : 4	 Site : 03CH01-CA Condition: AVG_54 3m HORN_02113_240426 VERTICAL Mode : 4

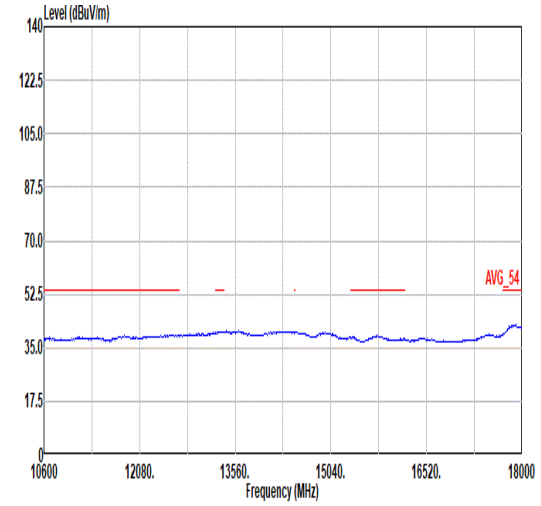
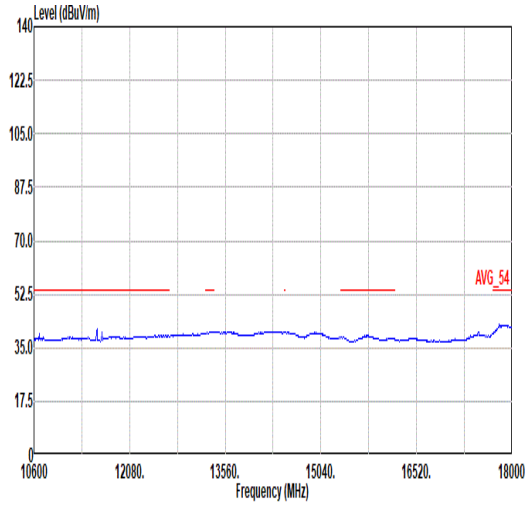
Mode	5	
	Band Edge - L	
	U-NII-3_5.725-5.85_CH157+165_5785+5825MHz	
ANT	MIMO	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5644.55 62.05 68.20 -6.15 45.59 33.34 12.29 29.17 0.00 179 169 PEAK 2 5651.30 60.90 69.17 -8.27 44.40 33.37 12.30 29.17 0.00 179 169 PEAK 3 5703.95 63.07 106.31 -43.24 46.25 33.58 12.39 29.15 0.00 179 169 PEAK 4 5720.38 63.41 111.66 -48.25 46.49 33.66 12.42 29.16 0.00 179 169 PEAK	 Site : 03CH01-CA Condition: PEAK(UNII) 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5805.00 118.62 ------ ------ 101.17 34.09 12.57 29.21 0.00 179 169 PEAK 2 6369.00 67.61 68.20 -0.59 49.35 34.72 13.08 29.54 0.00 179 169 PEAK
Avg	Blank	 Site : 03CH01-CA Condition: AVG_54 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5805.00 109.72 ------ ------ 92.27 34.09 12.57 29.21 0.00 179 169 AVERAGE

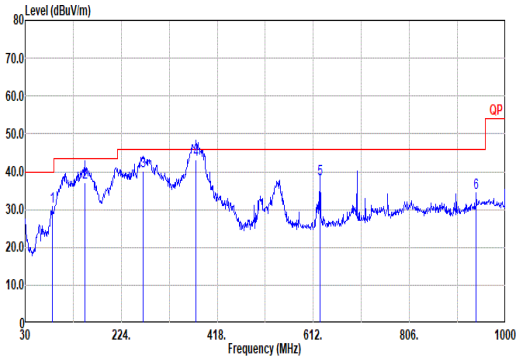
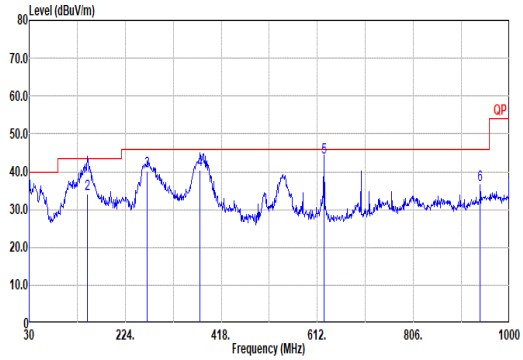
Mode	5	
	Band Edge - R	
	U-NII-3_5.725-5.85_CH157+165_5785+5825MHz	
ANT	MIMO	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5855.00 66.76 110.80 -44.04 49.24 34.18 12.57 29.23 0.00 179 169 PEAK 2 5865.00 70.80 108.00 -37.20 53.26 34.19 12.58 29.23 0.00 179 169 PEAK 3 5884.50 66.30 98.15 -31.85 48.72 34.23 12.58 29.23 0.00 179 169 PEAK 4 5944.75 66.45 68.20 -1.75 48.85 34.25 12.60 29.25 0.00 179 169 PEAK	Blank

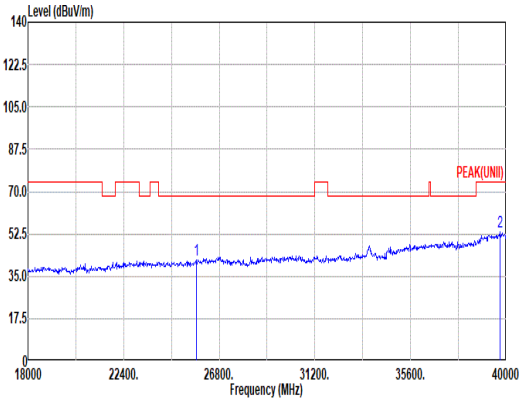
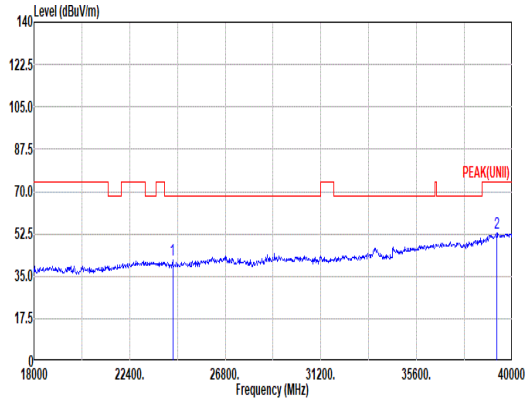
Mode	5	
	Band Edge - L	
	U-NII-3_5.725-5.85_CH157+165_5785+5825MHz	
ANT	MIMO	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5645.23 62.15 68.20 -6.05 45.62 33.41 12.29 29.17 0.00 173 189 PEAK 2 5651.75 60.62 69.50 -8.88 44.06 33.43 12.30 29.17 0.00 173 189 PEAK 3 5705.30 63.69 106.69 -43.00 46.82 33.63 12.39 29.15 0.00 173 189 PEAK 4 5720.15 63.26 111.14 -47.88 46.30 33.70 12.42 29.16 0.00 173 189 PEAK	 Site : 03CH01-CA Condition: PEAK(UNII) 3m HORN_02113_240426 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5805.00 121.65 ------ ------ 104.16 34.13 12.57 29.21 0.00 173 189 PEAK
Avg	Blank	 Site : 03CH01-CA Condition: AVG_54 3m HORN_02113_240426 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5805.00 112.89 ------ ------ 95.37 34.17 12.57 29.22 0.00 173 189 AVERAGE

Mode	5	
	Band Edge - R	
	U-NII-3_5.725-5.85_CH157+165_5785+5825MHz	
ANT	MIMO	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5853.25 74.62 114.79 -40.17 57.06 34.22 12.57 29.23 0.00 173 189 PEAK 2 5856.75 73.34 110.31 -36.97 55.78 34.22 12.57 29.23 0.00 173 189 PEAK 3 5902.75 67.02 84.63 -17.61 49.36 34.30 12.59 29.23 0.00 173 189 Peak 4 5956.25 67.02 68.20 -1.18 49.35 34.32 12.60 29.25 0.00 173 189 Peak	Blank

Mode	5	
	Harmonic	
	U-NII-3_5.725-5.85_CH157+165_5785+5825MHz	
ANT	MIMO	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH01-CA Condition: PEAK(UNII) 3m HORN_02113_240426 HORIZONTAL Mode : 5 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11570.00 48.52 74.00 -25.48 59.72 38.92 17.58 67.89 0.19 -- -- Peak 2 11570.00 39.51 54.00 -14.49 50.71 38.92 17.58 67.89 0.19 -- -- Average 3 11650.00 49.06 74.00 -24.94 60.33 38.72 17.64 67.80 0.17 -- -- PEAK 4 11650.00 39.98 54.00 -14.02 51.25 38.72 17.64 67.80 0.17 -- -- Average 5 17355.00 48.42 68.20 -19.78 57.63 38.16 21.53 69.09 0.19 -- -- Peak 6 17475.00 49.43 68.20 -18.77 58.46 38.53 21.60 69.35 0.19 -- -- Peak	 Site : 03CH01-CA Condition: PEAK(UNII) 3m HORN_02113_240426 VERTICAL Mode : 5 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11570.00 48.96 74.00 -25.04 60.20 38.88 17.58 67.89 0.19 192 40 Peak 2 11570.00 43.23 54.00 -10.77 54.47 38.88 17.58 67.89 0.19 192 40 Average 3 11650.00 48.94 74.00 -25.06 60.23 38.70 17.64 67.80 0.17 180 45 PEAK 4 11650.00 45.99 54.00 -8.01 57.28 38.70 17.64 67.80 0.17 180 45 Average 5 17355.00 48.04 68.20 -20.16 57.05 38.36 21.53 69.09 0.19 -- -- Peak 6 17475.00 50.13 68.20 -18.07 58.94 38.75 21.60 69.35 0.19 -- -- Peak

Mode	5	
	Harmonic	
	U-NII-3_5.725-5.85_CH157+165_5785+5825MHz	
ANT	MIMO	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH01-CA Condition: AVG_54 3m HORN_02113_240426 HORIZONTAL Mode : 5	 Site : 03CH01-CA Condition: AVG_54 3m HORN_02113_240426 VERTICAL Mode : 5

Mode	6	
	LF	
	U-NII-3_5.725-5.85_CH165_5825MHz	
ANT	MIMO	
Pol.	Horizontal	Vertical
QP/ Peak	 Site : 03CH01-CA Condition: QP 3m BILOG_54683_241115 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 84.32 30.79 40.00 -9.21 47.46 14.12 1.53 32.45 0.13 -- -- Peak 2 150.28 37.28 43.50 -6.22 50.35 17.19 2.11 32.45 0.08 141 80 QP 3 268.62 40.16 46.00 -5.84 50.28 19.41 2.78 32.45 0.14 100 15 QP 4 375.32 43.29 46.00 -2.71 51.25 21.18 3.27 32.53 0.12 100 111 QP 5 625.58 38.18 46.00 -7.82 40.25 26.09 4.29 32.63 0.18 100 25 QP 6 940.83 34.30 46.00 -11.70 29.52 30.55 5.21 31.33 0.35 -- -- Peak	 Site : 03CH01-CA Condition: QP 3m BILOG_54683_241115 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 30.00 34.10 40.00 -5.90 40.40 25.11 0.96 32.45 0.08 100 117 QP 2 147.37 34.23 43.50 -9.27 47.16 17.34 2.09 32.45 0.09 100 215 QP 3 268.62 40.21 46.00 -5.79 50.33 19.41 2.78 32.45 0.14 100 175 QP 4 375.32 40.43 46.00 -5.57 48.39 21.18 3.27 32.53 0.12 100 48 QP 5 625.58 43.83 46.00 -2.17 45.90 26.09 4.29 32.63 0.18 100 35 QP 6 940.83 36.52 46.00 -9.48 31.74 30.55 5.21 31.33 0.35 -- -- Peak

Mode	7	
	SHF	
	U-NII-3_5.725-5.85_CH165_5825MHz	
ANT	MIMO	
Pol.	Horizontal	Vertical
Peak	 Site : 03CH01-CA Condition: PEAK(UNII) 1m SHF_HORN_841_240807 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 25744.00 41.77 68.20 -26.43 38.18 38.79 27.09 52.75 -9.54 170 230 Peak 2 39714.00 53.16 74.00 -20.84 39.10 43.87 33.51 53.78 -9.54 170 131 Peak	 Site : 03CH01-CA Condition: PEAK(UNII) 1m SHF_HORN_841_240807 Vertical Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 24380.00 41.62 68.20 -26.58 38.46 38.99 26.24 52.53 -9.54 170 214 Peak 2 39296.00 53.09 74.00 -20.91 37.93 45.26 33.19 53.75 -9.54 170 87 Peak

Appendix D. Duty Cycle Plots

Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
5GHz 802.11be EHT40 Full RU	100%	-	-	10Hz

Proprietary radio 5G