



FCC RADIO TEST REPORT

FCC ID : 2ABOF-G1BN6ASI002
Equipment : Base Node (BN)
Brand Name : TARANA
Model Name : G1BN6ASI002
Marketing Name : TARANA G1
Applicant : Tarana Wireless
590 Alder Drive, Milpitas, CA 95035
Manufacturer : Tarana Wireless
590 Alder Drive, Milpitas, CA 95035
Standard : FCC Part 15 Subpart E §15.407

The product was received on Jul. 26, 2023 and testing was performed from Oct. 26, 2023 to Nov. 08, 2023. 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 partial 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.

Approved by: Abi Lin

Sporton International (USA) Inc.
1175 Montague Expressway, Milpitas, CA 95035

Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Product Feature of Equipment Under Test.....	5
1.2 Modification of EUT	5
1.3 Testing Location	5
1.4 Applicable Standards.....	6
2 Test Configuration of Equipment Under Test	7
2.1 Carrier Frequency and Channel	7
2.2 Test Mode.....	9
2.3 Connection Diagram of Test System.....	10
2.4 Support Unit used in test configuration and system	10
2.5 EUT Operation Test Setup	10
3 Test Result	11
3.1 Fundamental Maximum EIRP Measurement	11
3.2 Unwanted Emissions Measurement.....	12
3.3 Antenna Requirements.....	15
4 List of Measuring Equipment.....	16
5 Measurement Uncertainty	17
Appendix A. Conducted Test Results	
Appendix B. Radiated Spurious Emission	
Appendix C. Radiated Spurious Emission Plots	
Appendix D. Duty Cycle Plots	
Appendix E. Setup Photographs	



History of this test report

Report No.	Version	Description	Issue Date
FR230625004-03	01	Initial issue of report	Nov. 15, 2023

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.407(a)(4)	Fundamental Maximum EIRP	Pass	-
3.2	15.407(b)	Unwanted Emissions	Pass	1.30 dB under the limit at 7377.00 MHz
3.3	15.203	Antenna Requirement	Pass	-

Note: The device is hardware identical to original grant (FCC ID: 2ABOF-G1BN6ASI002) but activate four carrier mode via software change. In four carrier operation, each port is transmitting two of four carriers. Thus output power and occupied BW of each port is same as original grant. Only conducted power and RSE spot check is performed in four carrier mode.

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/manufacture 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 6 GHz Access Point		
Antenna Type Array Antenna		
Antenna information		
5925 MHz ~ 6425 MHz	Peak Gain (dBi)	16.9
6525 MHz ~ 6875 MHz	Peak Gain (dBi)	17.3

Remark:

1. The device is driving cross-polarized antenna, which has 8 horizontal polarization antenna and 8 vertical polarization antenna
2. The device activate 4 carrier mode operation which has 8 antenna transmitting carrier 0 and carrier 2; the other 8 antenna transmitting carrier 1 and carrier 3.
3. Minimum number of spatial stream (Nss) is 8
4. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

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, 03CH02-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 987594 D02 U-NII 6 GHz EMC Measurement v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ ANSI C63.10-2013

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

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: radiation emission (1 GHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)
5925-6425 MHz (U-NII-5) 40MHz	3	5965
	7	5985
	11	6005
	15	6025
	19	6045
	23	6065
	27	6085
	31	6105
	35	6125
	39	6145
	43	6165
	47	6185
	51	6205
	55	6225
	59	6245
	63	6265
	67	6285
	71	6305
	75	6325
	79	6345
	83	6365
	87	6385
	91	6405
5925-6425 MHz (U-NII-5) 40+40MHz	3 + 11	5965 + 6005
	43 + 51	6165 + 6205
	83 + 91	6365 + 6405
	3 + 91	5965 + 6405

Frequency Band	Channel	Freq. (MHz)
5925-6425 MHz (U-NII-5) 40+40+40+40 MHz	3+11+19+27	5965+6005+6045+6085
	35+43+51+59	6125+6165+6205+6245
	67+75+83+91	6285+6325+6365+6405
	3+27+51+91	5965+6085+6205+6405

Frequency Band	Channel	Freq. (MHz)
6525-6875 MHz (U-NII-7) 40MHz	119	6545
	123	6565
	127	6585
	131	6605
	135	6625
	139	6645
	143	6665
	147	6685
	151	6705
	155	6725
	159	6745
	163	6765
	167	6785
	171	6805
	173	6815
	175	6825
	179	6845
	181	6855
6525-6875 MHz (U-NII-7) 40+40MHz	119 + 127	6545 + 6585
	147 + 155	6685 + 6725
	173 + 181	6815 + 6855
	119 + 181	6545 + 6855
6525-6875 MHz (U-NII-7) 40+40+40+40 MHz	119+127+135+143	6545+6585+6625+6665
	139+147+155+163	6645+6685+6725+6765
	157+165+173+181	6735+6775+6815+6855
	119+139+159+181	6545+6645+6745+6855

2.2 Test Mode

<Multi Carrier (Contiguous)>

UNII-5 (5925-6425 MHz)
Channel BW 40MHz + 40MHz + 40MHz + 40MHz
5965MHz+6005MHz+6045MHz+6085MHz
6125MHz+6165MHz+6205MHz+6245MHz
6285MHz+6325MHz+6365MHz+6405MHz

UNII-7 (6525-6875 MHz)
Channel BW 40MHz + 40MHz + 40MHz + 40MHz
6545MHz+6585MHz+6625MHz+6665MHz
6645MHz+6685MHz+6725MHz+6765MHz
6735MHz+6775MHz+6815MHz+6855MHz

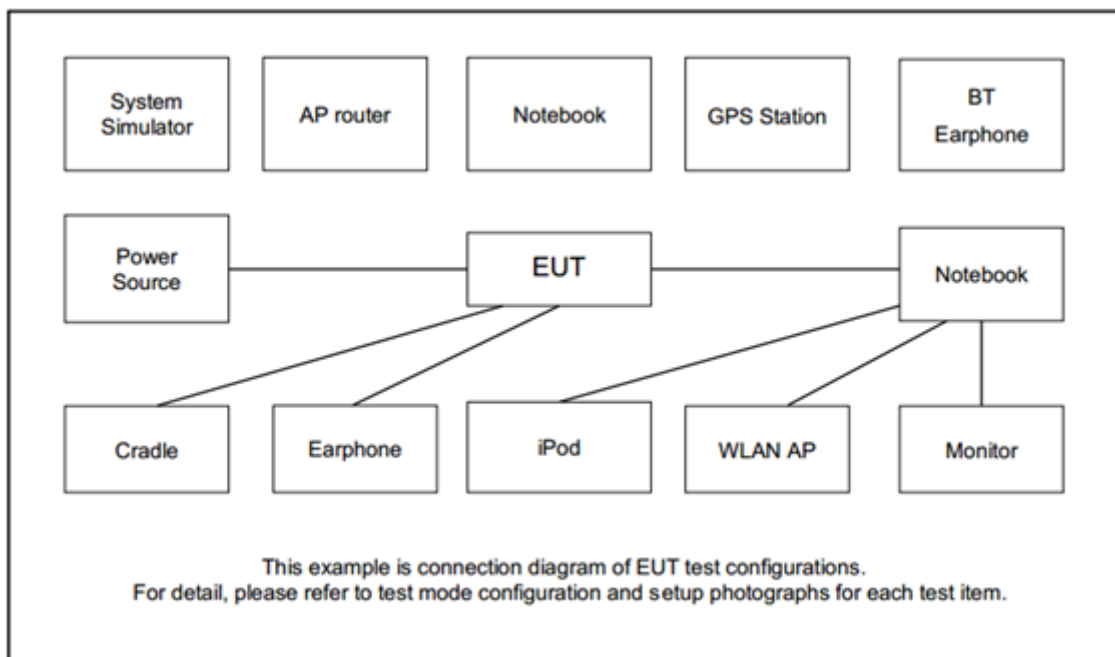
<Multi Carrier (Non-Contiguous)>

UNII-5 (5925-6425 MHz)
Channel BW 40MHz + 40MHz + 40MHz + 40MHz
5965MHz+6085MHz+6205MHz+6405MHz

UNII-7 (6525-6875 MHz)
Channel BW 40MHz + 40MHz + 40MHz + 40MHz
6545MHz+6645MHz+6745MHz+6855MHz

Remark: 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.	Adapter	MEAN WELL	HEP-480-54A	NA	NA	Unshielded, 1.8 m
2.	Laptop	Lenovo	TP00050C	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility "Putty release 0.62" was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

3 Test Result

3.1 Fundamental Maximum EIRP Measurement

3.1.1 Limit of Fundamental Maximum EIRP

<FCC 14-30 CFR 15.407>

(a)(4) For a standard power access point and fixed client device operating in the 5.925–6.425 GHz and 6.525–6.875 GHz bands, the maximum power spectral density must not exceed 23 dBm e.i.r.p in any 1-megahertz band. In addition, the maximum e.i.r.p. over the frequency band of operation must not exceed 36 dBm.

For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

3.1.2 Measuring Instruments

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

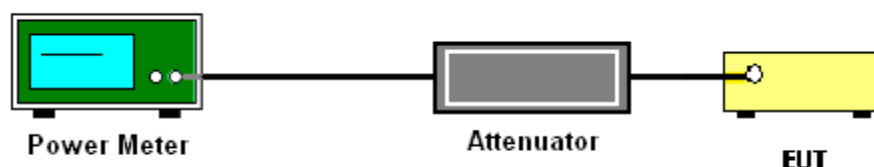
3.1.3 Test Procedures

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.

3.1.4 Test Setup



3.1.5 Test Result of Fundamental Maximum EIRP

Please refer to Appendix A.

3.2 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.2.1 Limit of Unwanted Emissions

- (1) For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.

EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27 (RMS)	68.3
- 7 (Peak)	88.3

According 987594 D02 U-NII 6GHz EMC Measurement v01 section G:

Unwanted emissions outside of restricted bands are measured with a RMS detector.

In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit

- (2) Unwanted spurious emissions fallen 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.

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

3.2.2 Measuring Instruments

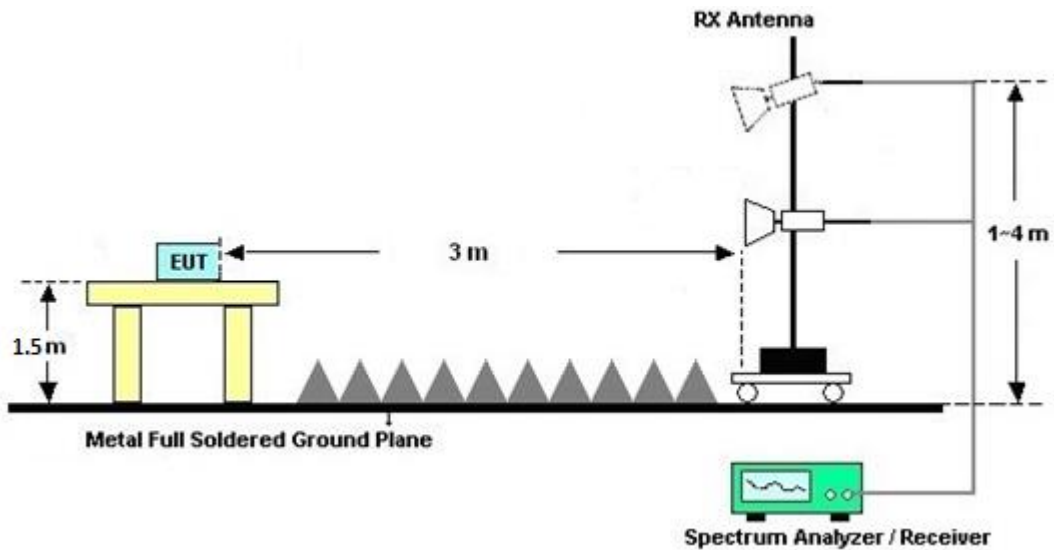
Please refer to the measuring equipment list in this test report.

3.2.3 Test Procedures

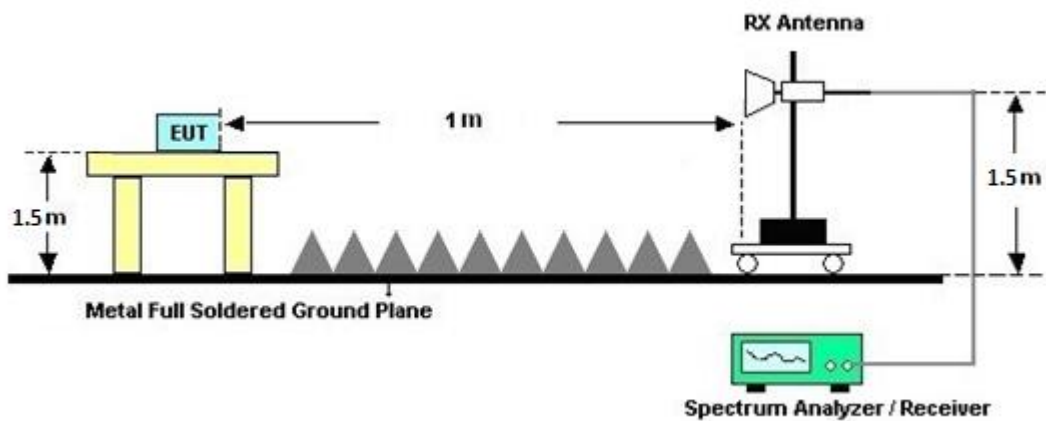
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section G) Unwanted emissions measurement.
(1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW $\geq$ 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
 - RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq$ 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 “-”.

3.2.4 Test Setup

For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.2.5 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B and C.

3.2.6 Duty Cycle

Please refer to Appendix D.

3.2.7 Test Result of Radiated Spurious Emissions

Please refer to Appendix B and C.



3.3 Antenna Requirements

3.3.1 Standard Applicable

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 rule.

3.3.2 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
Horn Antenna	SCHWARZBECK	BBHA 9120D	02140	1GHz~18GHz	Jan. 09, 2023	Oct. 26, 2023~ Nov. 08, 2023	Jan. 08, 2024	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBECK	BBHA9170	00841	18GHz~40GHz	Aug. 22, 2023	Oct. 26, 2023~ Nov. 08, 2023	Aug. 21, 2024	Radiation (03CH02-CA)
Preamplifier	Keysight	83017A	MY53270323	1GHz~26.5GHz	May 04, 2023	Oct. 26, 2023~ Nov. 08, 2023	May 03, 2024	Radiation (03CH02-CA)
Preamplifier	E-instrument	ERA-100M-18 G-56-01-A70	EC1900252	1GHz~18GHz	May 23, 2023	Oct. 26, 2023~ Nov. 08, 2023	May 22, 2024	Radiation (03CH02-CA)
Preamplifier	EMEC	EMC18G40G	060725	18GHz~40GHz	May 04, 2023	Oct. 26, 2023~ Nov. 08, 2023	May 03, 2024	Radiation (03CH02-CA)
RF Cable	HUBER+SUHNER	SUCOFLEX 102	804209/2, 802406/2, 802875/2, 802952/2	N/A	Nov. 14, 2022	Oct. 26, 2023~ Nov. 08, 2023	Nov. 13, 2023	Radiation (03CH02-CA)
High Pass Filter	WOKEN	WFIL-H8000-2 5000F-01	WR32BNW2B 1	8G~25G	Jun. 05, 2023	Oct. 26, 2023~ Nov. 08, 2023	Jun. 04, 2024	Radiation (03CH02-CA)
Filter	Wainwright	WLK12-1200-1 272-11000-40 SS	SN2	1.2GHz Low Pass Filter	Jun. 05, 2023	Oct. 26, 2023~ Nov. 08, 2023	Jun. 04, 2024	Radiation (03CH02-CA)
Hygrometer	TESEO	608-H1	45142602	N/A	Aug.30, 2023	Oct. 26, 2023~ Nov. 08, 2023	Aug. 29, 2024	Radiation (03CH02-CA)
Controller	ChainTek	EM-1000	060876	NA	N/A	Oct. 26, 2023~ Nov. 08, 2023	N/A	Radiation (03CH02-CA)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Oct. 26, 2023~ Nov. 08, 2023	N/A	Radiation (03CH02-CA)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Oct. 26, 2023~ Nov. 08, 2023	N/A	Radiation (03CH02-CA)
Software	Audix	E3	N/A	N/A	N/A	Oct. 26, 2023~ Nov. 08, 2023	N/A	Radiation (03CH02-CA)
Hygrometer	Testo	608-H1	45142602	N/A	Aug. 30, 2023	Nov. 01, 2023~ Nov. 07, 2023	Aug. 29, 2024	Conducted (TH01-CA)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101089	10Hz-40GHz	May 22, 2023	Nov. 01, 2023~ Nov. 07, 2023	May 21, 2024	Conducted (TH01-CA)
RF Switch Box	EM Electronics	EMSW18	SW1070902	N/A	Aug. 25, 2023	Nov. 01, 2023~ Nov. 07, 2023	Aug. 24, 2024	Conducted (TH01-CA)

5 Measurement Uncertainty

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9 dB
--	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.2 dB
--	--------

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Venkata Kondepudi	Temperature:	20.1~23.8	°C
Test Date:	2023/11/01~2023/11/07	Relative Humidity:	40.2~47.1	%

EIRP													
	BW	Mode	Carrier	Frequency (MHz)	Ant #	Power setting Atten	Power setting ADAK	Condcuted Power (dBm)	MIMO factor (dB)	Directional Gain (dBi)	Total Conducted power (dBm)	Total EIRP (dBm)	EIRP Limit (dBm)
G1x2 UNII-5	40+40+40+40 Contiguous Mode	Mode 1	C0	5965	Ant 0 of 0~7	18	0.5	6.94	9.03	16.90	18.99	35.89	36
			C2	6005	Ant 0 of 0~7		0.9			16.90			36
			C1	6045	Ant 8 of 8~15	18	0.9	6.95	9.03	16.90			36
			C3	6085	Ant 8 of 8~15		1.3			16.90			36
		Mode 2	C0	6125	Ant 0 of 0~7	21	-3	6.95	9.03	16.90	18.98	35.88	36
			C2	6165	Ant 0 of 0~7		-3			16.90			36
			C1	6205	Ant 8 of 8~15	21	-2.7	6.93	9.03	16.90			36
			C3	6245	Ant 8 of 8~15		-2.4			16.90			36
		Mode 3	C0	6285	Ant 0 of 0~7	21	-1.8	6.94	9.03	16.90	18.99	35.89	36
			C2	6325	Ant 0 of 0~7		-1.8			16.90			36
			C1	6365	Ant 8 of 8~15	21	0.5	6.95	9.03	16.90			36
			C3	6405	Ant 8 of 8~15		0.3			16.90			36
	40 + 40 + 40 + 40 Non-Contiguous	Mode 4	C0	5965	Ant 0 of 0~7	24	-0.4	3.93	9.03	16.90	18.99	35.89	36
			C2	6085	Ant 0 of 0~7	24	0.8	3.94	9.03	16.90			36
			C1	6205	Ant 8 of 8~15	24	0.5	3.94	9.03	16.90			36
			C3	6405	Ant 8 of 8~15	24	3.3	3.95	9.03	16.90			36

Note:
 Antenna Gain = 16.9dBi
 The device is driving cross-polarized antenna, which has 8 horizontal polarization antenna and 8 vertical polarization antenna
 Directional Gain (8H/8V) = 16.9dBi + 10log(Ntx = 8 / Nss = 8) = 16.9dBi

	BW	Mode	Carrier	Frequency (MHz)	Ant #	Power setting Atten	Power setting ADAK	Condcuted Power (dBm)	MIMO factor (dB)	Directional Gain (dBi)	Total Conducted power (dBm)	Total EIRP (dBm)	EIRP Limit (dBm)
UNII-7	40+40+40+40 Contiguous Mode	Mode 1	C0	6545	Ant 0 of 0~7	21	-0.2	6.54	9.03	17.30	18.58	35.88	36
			C2	6585	Ant 0 of 0~7		0.7			17.30			36
			C1	6625	Ant 8 of 8~15	21	2.1	6.54	9.03	17.30			36
			C3	6665	Ant 8 of 8~15		2.1			17.30			36
		Mode 2	C0	6645	Ant 0 of 0~7	21	1.8	6.54	9.03	17.30	18.58	35.88	36
			C2	6685	Ant 0 of 0~7		1.7			17.30			36
			C1	6725	Ant 8 of 8~15	21	3.4	6.54	9.03	17.30			36
			C3	6765	Ant 8 of 8~15		3.6			17.30			36
		Mode 3	C0	6735	Ant 0 of 0~7	21	3.7	6.54	9.03	17.30	18.58	35.88	36
			C2	6775	Ant 0 of 0~7		3			17.30			36
			C1	6815	Ant 8 of 8~15	21	2.3	6.54	9.03	17.30			36
			C3	6855	Ant 8 of 8~15		2.2			17.30			36
	40 + 40 + 40 + 40 Non-Contiguous	Mode 4	C0	6545	Ant 0 of 0~7	21	0	3.54	9.03	17.30	18.59	35.89	36
			C2	6645	Ant 0 of 0~7	21	1.5	3.54	9.03	17.30			36
			C1	6745	Ant 8 of 8~15	21	2.1	3.54	9.03	17.30			36
			C3	6855	Ant 8 of 8~15	21	2.4	3.54	9.03	17.30			36

Note:
 Antenna Gain = 17.3dBi
 The device is driving cross-polarized antenna, which has 8 horizontal polarization antenna and 8 vertical polarization antenna
 Directional Gain (8H/8V) = 17.3dBi + 10log(Ntx = 8 / Nss = 8) = 17.3dBi



Appendix B. Radiated Spurious Emission

Test Engineer :	Thinh Hoang	Temperature :	21.9~24.2°C
		Relative Humidity :	39.2~50.6%

UNII-5 - 5925~6425MHz

Multiple carrier_contiguous 40M+40M+40M+40M (Band Edge @ 3m)

	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
16Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
Multiple carrier_ contiguous 40M+40M+40M+40M 5965MHz+6005MHz +6045MHz+6085MHz		5923.34	75.82	-12.38	88.2	58.14	34.25	13.17	29.74	200	189	P	H
		5924.865	66.87	-1.33	68.2	49.19	34.25	13.17	29.74	200	189	A	H
	*	5965	117.03			99.36	34.22	13.21	29.76	200	189	P	H
	*	6005	119.66			101.99	34.21	13.26	29.8	200	189	P	H
	*	6045	121.97			104.3	34.21	13.31	29.85	200	189	P	H
	*	6085	119.61			101.92	34.23	13.36	29.9	200	189	P	H
	*	5965	107.47			89.8	34.22	13.21	29.76	200	189	A	H
	*	6005	111.47			93.8	34.21	13.26	29.8	200	189	A	H
	*	6045	111.74			94.07	34.21	13.31	29.85	200	189	A	H
	*	6085	109.62			91.93	34.23	13.36	29.9	200	189	A	H
		7391	52.5	-1.5	54	30.93	36.6	14.7	29.73	200	189	A	H
		5806.83	67.71	-20.49	88.2	50.3	34.05	13.05	29.69	200	186	P	V
		5924.865	58.25	-9.95	68.2	40.57	34.25	13.17	29.74	200	186	A	V
	*	5965	109.47			91.8	34.22	13.21	29.76	200	186	P	V
	*	6005	111.3			93.63	34.21	13.26	29.8	200	186	P	V
	*	6065	117.13			99.46	34.22	13.33	29.88	200	186	P	V
	*	6085	117.51			99.82	34.23	13.36	29.9	200	186	P	V
	*	5965	102.85			85.18	34.22	13.21	29.76	200	186	A	V
	*	6005	105.17			87.5	34.21	13.26	29.8	200	186	A	V
	*	6045	107			89.33	34.21	13.31	29.85	200	186	A	V
	*	6085	107.33			89.64	34.23	13.36	29.9	200	186	A	V
		7370	52.56	-1.44	54	30.96	36.69	14.67	29.76	200	186	A	V



Ant.	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
16Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	Factor	Loss	Factor	Pos	Pos	Avg.	(H/V)
Multiple carrier_ contiguous 40M+40M+40M+40M 6125MHz+6165MHz +6205MHz+6245MHz	*	6125	113.04			95.36	34.23	13.41	29.96	200	182	P	H
	*	6165	112.82			95.16	34.23	13.46	30.03	200	182	P	H
	*	6205	111.17			93.53	34.25	13.51	30.12	200	182	P	H
	*	6245	115.04			97.37	34.32	13.56	30.21	200	182	P	H
	*	6125	103.38			85.7	34.23	13.41	29.96	200	182	A	H
	*	6165	110.4			92.74	34.23	13.46	30.03	200	182	A	H
	*	6205	103.1			85.46	34.25	13.51	30.12	200	182	A	H
	*	6245	105.17			87.5	34.32	13.56	30.21	200	182	A	H
		7384	52.74	-1.26	54	31.16	36.63	14.69	29.74	200	182	A	H
	*	6125	111.07			93.39	34.23	13.41	29.96	200	168	P	V
	*	6165	112.17			94.51	34.23	13.46	30.03	200	168	P	V
	*	6205	109.82			92.18	34.25	13.51	30.12	200	168	P	V
	*	6245	110.54			92.87	34.32	13.56	30.21	200	168	P	V
	*	6125	101.46			83.78	34.23	13.41	29.96	200	168	A	V
	*	6165	102.01			84.35	34.23	13.46	30.03	200	168	A	V
	*	6205	105.4			87.76	34.25	13.51	30.12	200	168	A	V
	*	6245	100.63			82.96	34.32	13.56	30.21	200	168	A	V
		7447	52.26	-1.74	54	30.89	36.39	14.75	29.77	200	168	A	V
Remark	1.	No other spurious found.											
	2.	All results are PASS against Peak and Average limit line.											



Ant. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Multiple carrier_ contiguous 40M+40M+40M+40M 6285MHz+6325MHz +6365MHz+6405MHz	*	6285	110.97			93.26	34.43	13.61	30.33	200	179	P	H
	*	6325	112.74			94.98	34.53	13.66	30.43	200	179	P	H
	*	6365	115.99			98.17	34.61	13.71	30.5	200	179	P	H
	*	6405	116.67			98.77	34.7	13.75	30.55	200	179	P	H
	*	6285	103.84			86.13	34.43	13.61	30.33	200	179	A	H
	*	6325	109.63			91.87	34.53	13.66	30.43	200	179	A	H
	*	6365	105.86			88.04	34.61	13.71	30.5	200	179	A	H
	*	6405	106.7			88.8	34.7	13.75	30.55	200	179	A	H
		7398	52.18	-1.82	54	30.62	36.57	14.71	29.72	200	179	A	H
	*	6285	111.6			93.89	34.43	13.61	30.33	200	183	P	V
	*	6325	109.93			92.17	34.53	13.66	30.43	200	183	P	V
	*	6365	108.34			90.52	34.61	13.71	30.5	200	183	P	V
	*	6405	103.78			85.88	34.7	13.75	30.55	200	183	P	V
	*	6285	105.4			87.69	34.43	13.61	30.33	200	183	A	V
	*	6325	106.13			88.37	34.53	13.66	30.43	200	183	A	V
	*	6365	106.53			88.71	34.61	13.71	30.5	200	183	A	V
	*	6405	103.45			85.55	34.7	13.75	30.55	200	183	A	V
		7405	52.19	-1.81	54	30.66	36.54	14.71	29.72	200	183	A	V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



UNII-5 5925~6425MHz

Multiple carrier_contiguous 40M+40M+40M+40M (Harmonic @ 3m)

Ant. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Multiple carrier_ contiguous 40M+40M+40M+40M 5965MHz+6005MHz +6045MHz+6085MHz		11930	47.32	-26.68	74	56.22	38.77	18.78	66.65	-	-	P	H
		12010	47.38	-26.62	74	55.78	38.96	18.85	66.4	-	-	P	H
		12090	49.83	-24.17	74	57.88	39.19	18.92	66.35	100	22	P	H
		12090	39.03	-14.97	54	47.08	39.19	18.92	66.35	100	22	A	H
		12170	47.38	-26.62	74	55.27	39.27	18.98	66.33	-	-	P	H
		17895	54.73	-19.27	74	57.87	42.65	23.58	69.53	100	164	P	H
		17895	44.21	-9.79	54	47.35	42.65	23.58	69.53	100	164	A	H
		18015	35.41	-38.59	74	37.29	37.72	23.68	53.74	-	-	P	H
		18135	34.12	-39.88	74	36.85	37.85	23.74	54.78	-	-	P	H
		18255	34.69	-39.31	74	37.56	37.92	23.79	55.04	-	-	P	H
		11930	47.45	-26.55	74	56.35	38.77	18.78	66.65	-	-	P	V
		12010	47.88	-26.12	74	56.28	38.96	18.85	66.4	-	-	P	V
		12090	49.51	-24.49	74	57.56	39.19	18.92	66.35	267	0	P	V
		12090	38.87	-15.13	54	46.92	39.19	18.92	66.35	267	0	A	V
		12170	47.19	-26.81	74	55.08	39.27	18.98	66.33	-	-	P	V
		17895	55.89	-18.11	74	59.03	42.65	23.58	69.53	300	0	P	V
		17895	44.11	-9.89	54	47.25	42.65	23.58	69.53	300	0	A	V
		18015	35.67	-38.33	74	37.4	37.87	23.68	53.74	-	-	P	V
		18135	35.01	-38.99	74	37.63	37.96	23.74	54.78	-	-	P	V
		18255	33.93	-40.07	74	36.7	38.02	23.79	55.04	-	-	P	V



Ant.	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
16Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
Multiple carrier_ contiguous 40M+40M+40M+40M 6125MHz+6165MHz +6205MHz+6245MHz		12250	47.3	-26.7	74	55.28	39.22	19.05	66.44	-	-	P	H
		12330	47.23	-26.77	74	55.49	39.05	19.12	66.63	-	-	P	H
		12410	47.66	-26.34	74	56.05	38.95	19.18	66.72	-	-	P	H
		12490	48.91	-25.09	74	57.06	38.96	19.25	66.56	200	267	P	H
		12490	38.82	-15.18	54	46.97	38.96	19.25	66.56	200	267	A	H
		18375	34.29	-39.71	74	36.55	37.96	23.85	54.53	-	-	P	H
		18495	35.33	-38.67	74	36.68	38.06	23.91	53.78	-	-	P	H
		18615	36.2	-37.8	74	36.93	38.08	23.97	53.24	-	-	P	H
		18735	36.61	-37.39	74	36.9	38.12	24.03	52.9	-	-	P	H
		12250	47.52	-26.48	74	55.5	39.22	19.05	66.44	-	-	P	V
		12330	47.5	-26.5	74	55.76	39.05	19.12	66.63			P	V
		12410	46.93	-27.07	74	55.32	38.95	19.18	66.72			P	V
		12490	49.18	-24.82	74	57.33	38.96	19.25	66.56	265	0	P	V
		12490	38.94	-15.06	54	47.09	38.96	19.25	66.56	265	0	A	V
		18375	35.42	-38.58	74	37.62	38.02	23.85	54.53			P	V
		18495	35.65	-38.35	74	36.88	38.18	23.91	53.78			P	V
		18615	36.92	-37.08	74	37.52	38.21	23.97	53.24			P	V
		18735	37.93	-36.07	74	38.17	38.17	24.03	52.9			P	V
1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



Ant. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Multiple carrier_ contiguous 40M+40M+40M+40M 6285MHz+6325MHz +6365MHz+6405MHz		12570	47.43	-26.57	74	55.17	39.06	19.32	66.32	-	-	P	H
		12650	50.38	-23.62	74	57.86	39.18	19.39	66.25	210	0	P	H
		12650	39.31	-14.69	54	46.79	39.18	19.39	66.25	210	0	A	H
		12730	47.78	-40.42	88.2	55.29	39.31	19.45	66.47	-	-	P	H
		12810	48.06	-40.14	88.2	55.68	39.5	19.52	66.85	-	-	P	H
		18855	37.1	-36.9	74	37.29	38.15	24.09	52.89	-	-	P	H
		18975	36.9	-37.1	74	37.54	38.09	24.15	53.34	-	-	P	H
		19095	36.19	-37.81	74	37.47	38.04	24.21	53.99	-	-	P	H
		19215	36.65	-37.35	74	37.94	38.02	24.27	54.04	-	-	P	H
		12570	47.82	-26.18	74	55.56	39.06	19.32	66.32	-	-	P	V
		12650	49.72	-24.28	74	57.2	39.18	19.39	66.25	131	0	P	V
		12650	39.3	-14.7	54	46.78	39.18	19.39	66.25	131	0	A	V
		12730	48.53	-39.67	88.2	56.04	39.31	19.45	66.47	-	-	P	V
		12810	48.26	-39.94	88.2	55.88	39.5	19.52	66.85	-	-	P	V
		18855	37.33	-36.67	74	37.46	38.21	24.09	52.89	-	-	P	V
		18975	35.92	-38.08	74	36.5	38.15	24.15	53.34	-	-	P	V
		19095	35.95	-38.05	74	37.09	38.18	24.21	53.99	-	-	P	V
		19215	36.06	-37.94	74	37.3	38.07	24.27	54.04	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



UNII 5 5925~6425MHz

Multiple carrier_non-contiguous 40M+40M+40M+40M (Band Edge @ 3m)

Ant. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Multiple carrier_ non-contiguous 40M+40M+40M+40M 5965MHz+6085MHz 6205MHz+6405MHz		5872.32	69.39	-18.81	88.2	51.73	34.24	13.12	29.7	200	181	P	H
		5845.26	58.73	-9.47	68.2	41.13	34.2	13.09	29.69	200	181	A	H
	*	5965	108.16			90.49	34.22	13.21	29.76	200	181	P	H
	*	6085	115.75			98.06	34.23	13.36	29.9	200	181	P	H
	*	6205	118.07			100.43	34.25	13.51	30.12	200	181	P	H
	*	6405	113.2			95.3	34.7	13.75	30.55	200	181	P	H
	*	5965	103.74			86.07	34.22	13.21	29.76	200	181	A	H
	*	6085	110.3			92.61	34.23	13.36	29.9	200	181	A	H
	*	6205	108.71			91.07	34.25	13.51	30.12	200	181	A	H
	*	6405	103.86			85.96	34.7	13.75	30.55	200	181	A	H
		7419	52.92	-1.08	54	31.44	36.49	14.73	29.74	200	181	A	H
		5805	64.6	-23.6	88.2	47.2	34.04	13.05	29.69	200	155	P	V
		5805	58.48	-9.72	68.2	41.08	34.04	13.05	29.69	200	155	A	V
	*	5965	102.21			84.54	34.22	13.21	29.76	200	155	P	V
	*	6085	113.2			95.51	34.23	13.36	29.9	200	155	P	V
	*	6205	114.73			97.09	34.25	13.51	30.12	200	155	P	V
	*	6405	108.55			90.65	34.7	13.75	30.55	200	155	P	V
	*	5965	94			76.33	34.22	13.21	29.76	200	155	A	V
	*	6085	104.31			86.62	34.23	13.36	29.9	200	155	A	V
	*	6205	106.47			88.83	34.25	13.51	30.12	200	155	A	V
	*	6405	98.65			80.75	34.7	13.75	30.55	200	155	A	V
		7748	52.75	-1.25	54	31.13	36.68	15.02	30.08	200	155	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-5 5925~6425MHz

Multiple carrier_non-contiguous 40M+40M+40M+40M (Harmonic @ 3m)

Ant. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamplifier Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Multiple carrier_ non- contiguous 40M+40M+40M+40M 5965MHz+6085 MHz +6205 MHz+6405MHz		11930	45.96	-28.04	74	54.86	38.77	18.78	66.65	-	-	P	H
		12170	48.52	-25.48	74	56.41	39.27	18.98	66.33	-	-	P	H
		12410	49.22	-24.78	74	57.61	38.95	19.18	66.72	100	286	P	H
		12410	38.43	-15.57	54	46.82	38.95	19.18	66.72	100	286	A	H
		12810	47.66	-40.54	88.2	55.28	39.5	19.52	66.85	-	-	P	H
		17895	54.25	-19.75	74	57.39	42.65	23.58	69.53	280	0	P	H
		17895	44.02	-9.98	54	47.16	42.65	23.58	69.53	280	0	A	H
		18255	33.95	-40.05	74	36.82	37.92	23.79	55.04	-	-	P	H
		18615	35.91	-38.09	74	36.64	38.08	23.97	53.24	-	-	P	H
		19215	35.97	-38.03	74	37.26	38.02	24.27	54.04	-	-	P	H
		11930	47.31	-26.69	74	56.21	38.77	18.78	66.65	-	-	P	V
		12170	47.17	-26.83	74	55.06	39.27	18.98	66.33	-	-	P	V
		12410	48.84	-25.16	74	57.23	38.95	19.18	66.72	200	104	P	V
		12410	38.43	-15.57	54	46.82	38.95	19.18	66.72	200	104	A	V
		12810	48.86	-39.34	88.2	56.48	39.5	19.52	66.85	-	-	P	V
		17895	54.36	-19.64	74	57.5	42.65	23.58	69.53	298	0	P	V
		17895	44.03	-9.97	54	47.17	42.65	23.58	69.53	298	0	A	V
		18255	33.81	-40.19	74	36.58	38.02	23.79	55.04	-	-	P	V
		18615	37.16	-36.84	74	37.76	38.21	23.97	53.24	-	-	P	V
		19215	35.24	-38.76	74	36.48	38.07	24.27	54.04	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



UNII-7 - 6525~6875MHz

Multiple carrier_contiguous 40M+40M+40M+40M (Band Edge @ 3m)

	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
16Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
Multiple carrier_ contiguous 40M+40M+40M+40M 6545MHz+6585MHz +6625MHz+6665MHz	*	6545	110.96			92.56	35.3	13.84	30.74	200	180	P	H
	*	6585	110.34			91.64	35.62	13.87	30.79	200	180	P	H
	*	6625	114.9			95.97	35.86	13.9	30.83	200	180	P	H
	*	6665	115.77			96.71	35.99	13.94	30.87	200	180	P	H
	*	6545	100.95			82.55	35.3	13.84	30.74	200	180	A	H
	*	6585	107.72			89.02	35.62	13.87	30.79	200	180	A	H
	*	6625	104.92			85.99	35.86	13.9	30.83	200	180	A	H
	*	6665	105.74			86.68	35.99	13.94	30.87	200	180	A	H
		7720	52.27	-1.73	54	30.7	36.6	15	30.03	200	180	A	H
	*	6545	108.61			90.21	35.3	13.84	30.74	200	186	P	V
	*	6585	107.56			88.86	35.62	13.87	30.79	200	186	P	V
	*	6625	108.19			89.26	35.86	13.9	30.83	200	186	P	V
	*	6665	103.16			84.1	35.99	13.94	30.87	200	186	P	V
	*	6545	100.08			81.68	35.3	13.84	30.74	200	186	A	V
	*	6585	102.66			83.96	35.62	13.87	30.79	200	186	A	V
	*	6625	106.14			87.21	35.86	13.9	30.83	200	186	A	V
	*	6665	101.77			82.71	35.99	13.94	30.87	200	186	A	V
		7405	52.49	-1.51	54	30.96	36.54	14.71	29.72	200	186	A	V



Ant.	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
16Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
Multiple carrier_ contiguous 40M+40M+40M+40M 6645MHz+6685MHz +6725MHz+6765MHz	*	6645	111.65			92.62	35.95	13.93	30.85	200	173	P	H
	*	6685	108.89			89.79	36.01	13.97	30.88	200	173	P	H
	*	6725	111.28			92.11	36.06	14.01	30.9	200	173	P	H
	*	6765	118.8			99.59	36.08	14.05	30.92	200	173	P	H
	*	6645	101.48			82.45	35.95	13.93	30.85	200	173	A	H
	*	6685	103.83			84.73	36.01	13.97	30.88	200	173	A	H
	*	6725	102.59			83.42	36.06	14.01	30.9	200	173	A	H
	*	6765	108.76			89.55	36.08	14.05	30.92	200	173	A	H
		7692	52.3	-1.7	54	30.81	36.51	14.97	29.99	200	173	A	H
	*	6645	103.35			84.32	35.95	13.93	30.85	200	187	P	V
	*	6685	114.49			95.39	36.01	13.97	30.88	200	187	P	V
	*	6725	106.29			87.12	36.06	14.01	30.9	200	187	P	V
	*	6765	110.07			90.86	36.08	14.05	30.92	200	187	P	V
	*	6645	96.66			77.63	35.95	13.93	30.85	200	187	A	V
	*	6685	104.56			85.46	36.01	13.97	30.88	200	187	A	V
	*	6725	101.06			81.89	36.06	14.01	30.9	200	187	A	V
	*	6765	100.55			81.34	36.08	14.05	30.92	200	187	A	V
		7391	52.19	-1.81	54	30.62	36.6	14.7	29.73	200	187	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Ant. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Multiple carrier_ contiguous 40M+40M+40M+40M 6735MHz+6775MHz +6815MHz+6855MHz	*	6735	111.07			91.87	36.08	14.02	30.9	200	205	P	H
	*	6775	102.02			82.84	36.06	14.06	30.94	200	205	P	H
	*	6815	116.41			97.3	36	14.1	30.99	200	205	P	H
	*	6855	104.52			85.49	35.93	14.14	31.04	200	205	P	H
	*	6735	101.46			82.26	36.08	14.02	30.9	200	205	A	H
	*	6775	92.43			73.25	36.06	14.06	30.94	200	205	A	H
	*	6815	106.55			87.44	36	14.1	30.99	200	205	A	H
	*	6855	98.06			79.03	35.93	14.14	31.04	200	205	A	H
		7734	52.68	-1.32	54	31.08	36.64	15.01	30.05	200	205	A	H
		7136.13	60.71	-27.49	88.2	40.26	36.56	14.42	30.53	200	205	P	H
		7243.86	51.14	-17.06	68.2	29.7	37.05	14.52	30.13	200	205	A	H
	*	6735	112.02			92.82	36.08	14.02	30.9	200	177	P	V
	*	6775	117.43			98.25	36.06	14.06	30.94	200	177	P	V
	*	6815	112.17			93.06	36	14.1	30.99	200	177	P	V
	*	6855	109			89.97	35.93	14.14	31.04	200	177	P	V
	*	6735	102			82.8	36.08	14.02	30.9	200	177	A	V
	*	6775	106.85			87.67	36.06	14.06	30.94	200	177	A	V
	*	6815	103.16			84.05	36	14.1	30.99	200	177	A	V
	*	6855	101.9			82.87	35.93	14.14	31.04	200	177	A	V
		7377	52.63	-1.37	54	31.04	36.66	14.68	29.75	200	177	A	V
		7185.15	60.87	-27.33	88.2	39.94	36.82	14.46	30.35	200	177	P	V
		7242.72	51.12	-17.08	68.2	29.69	37.04	14.52	30.13	200	177	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII 7 - 6525~6875MHz

Multiple carrier_contiguous 40M+40M+40M+40M (Harmonic @ 3m)

Ant. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Multiple carrier_ contiguous 40M+40M+40M+40M 6545MHz+6585MHz +6625MHz+6665MHz	*	6545	110.96			92.56	35.3	13.84	30.74	200	180	P	H
	*	6585	110.34			91.64	35.62	13.87	30.79	200	180	P	H
	*	6625	114.9			95.97	35.86	13.9	30.83	200	180	P	H
	*	6665	115.77			96.71	35.99	13.94	30.87	200	180	P	H
	*	6545	100.95			82.55	35.3	13.84	30.74	200	180	A	H
	*	6585	107.72			89.02	35.62	13.87	30.79	200	180	A	H
	*	6625	104.92			85.99	35.86	13.9	30.83	200	180	A	H
	*	6665	105.74			86.68	35.99	13.94	30.87	200	180	A	H
		7720	52.27	-1.73	54	30.7	36.6	15	30.03	200	180	A	H
	*	6545	108.61			90.21	35.3	13.84	30.74	200	186	P	V
	*	6585	107.56			88.86	35.62	13.87	30.79	200	186	P	V
	*	6625	108.19			89.26	35.86	13.9	30.83	200	186	P	V
	*	6665	103.16			84.1	35.99	13.94	30.87	200	186	P	V
	*	6545	100.08			81.68	35.3	13.84	30.74	200	186	A	V
	*	6585	102.66			83.96	35.62	13.87	30.79	200	186	A	V
	*	6625	106.14			87.21	35.86	13.9	30.83	200	186	A	V
	*	6665	101.77			82.71	35.99	13.94	30.87	200	186	A	V
		7405	52.49	-1.51	54	30.96	36.54	14.71	29.72	200	186	A	V



Ant.	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
16Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
Multiple carrier_ contiguous 40M+40M+40M+40M 6645MHz+6685MHz +6725MHz+6765MHz		13290	49.47	-24.53	74	56.78	40.03	19.92	67.48	-	-	P	H
		13370	51.45	-22.55	74	58.13	40.21	19.99	67.1	250	124	P	H
		13370	40.74	-13.26	54	47.42	40.21	19.99	67.1	250	124	A	H
		13450	51.07	-37.13	88.2	56.85	40.55	20.06	66.61	-	-	P	H
		13530	50.93	-37.27	88.2	56.38	40.74	20.13	66.54	-	-	P	H
		19938.42	38.85	-35.15	74	37.32	37.99	24.62	51.54	-	-	P	H
		20058.57	39.16	-34.84	74	37.74	38.05	24.7	51.79	-	-	P	V
		20178.72	39.12	-34.88	74	37.8	38.1	24.82	52.06	-	-	P	H
		20298.87	38.99	-35.01	74	37.11	38.18	24.93	51.69	-	-	P	H
		13290	49.26	-24.74	74	56.57	40.03	19.92	67.48	-	-	P	V
		13370	51.12	-22.88	74	57.8	40.21	19.99	67.1	250	136	P	V
		13370	40.69	-13.31	54	47.37	40.21	19.99	67.1	250	136	A	V
		13450	50.57	-37.63	88.2	56.35	40.55	20.06	66.61	-	-	P	V
		13530	50.37	-37.83	88.2	55.82	40.74	20.13	66.54	-	-	P	V
		19938.42	39.63	-34.37	74	38	38.09	24.62	51.54	-	-	P	V
		20058.57	38.85	-35.15	74	37.35	38.13	24.7	51.79	-	-	P	V
		20178.72	38.4	-35.6	74	37.08	38.1	24.82	52.06	-	-	P	V
		20298.87	38.91	-35.09	74	37.16	38.05	24.93	51.69	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Ant. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Multiple carrier_ contiguous 40M+40M+40M+40M 6735MHz+6775MHz +6815MHz+6855MHz		13470	49.77	-38.43	88.2	55.45	40.6	20.07	66.57	-	-	P	H
		13550	49.79	-38.41	88.2	55.2	40.78	20.14	66.55	-	-	P	H
		13630	48.73	-39.47	88.2	54.71	40.73	20.21	67.14	-	-	P	H
		13710	49.52	-38.68	88.2	55.61	40.7	20.28	67.29	-	-	P	H
		20205	38.2	-35.8	74	36.92	38.1	24.84	52.12	-	-	P	H
		20325	39.01	-34.99	74	37.03	38.18	24.95	51.61	-	-	P	H
		20445	39.59	-34.41	74	36.79	38.21	25.06	50.93	-	-	P	H
		20565	39.72	-34.28	74	36.06	38.26	25.17	50.23	-	-	P	H
		13470	49.87	-38.33	88.2	55.55	40.6	20.07	66.57	-	-	P	V
		13550	49.5	-38.7	88.2	54.91	40.78	20.14	66.55	-	-	P	V
		13630	49.3	-38.9	88.2	55.28	40.73	20.21	67.14	-	-	P	V
		13710	49.42	-38.78	88.2	55.51	40.7	20.28	67.29	-	-	P	V
		20205	38.4	-35.6	74	37.14	38.08	24.84	52.12	-	-	P	V
		20325	39.2	-34.8	74	37.32	38.08	24.95	51.61	-	-	P	V
		20445	40.15	-33.85	74	37.39	38.17	25.06	50.93	-	-	P	V
		20565	39.71	-34.29	74	36.12	38.19	25.17	50.23	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



UNII 7 - 6525~6875MHz

Multiple carrier_non-contiguous 40M+40M+40M+40M (Band Edge @ 3m)

Ant. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Multiple carrier_non- contiguous 40M+40M+40M+40M 6545MHz+6645MHz +6745MHz+6855MHz		5879.37	65.26	-22.94	88.2	47.6	34.25	13.12	29.71	200	180	P	H
		5828.31	56.07	-12.13	68.2	38.56	34.13	13.07	29.69	200	180	A	H
	*	6545	112.79			94.39	35.3	13.84	30.74	200	180	P	H
	*	6645	109.52			90.49	35.95	13.93	30.85	200	180	P	H
	*	6745	109.61			90.4	36.09	14.02	30.9	200	180	P	H
	*	6855	114.87			95.83	35.95	14.13	31.04	200	180	P	H
	*	6545	102.71			84.31	35.3	13.84	30.74	200	180	A	H
	*	6645	107.36			88.33	35.95	13.93	30.85	200	180	A	H
	*	6745	103.05			83.84	36.09	14.02	30.9	200	180	A	H
	*	6855	104.87			85.84	35.93	14.14	31.04	200	180	A	H
		7391	52.53	-1.47	54	30.96	36.6	14.7	29.73	200	180	A	H
		7178.12	60.83	-27.37	88.2	39.97	36.78	14.45	30.37	200	180	P	H
		7236.64	51.25	-16.95	68.2	29.88	37.02	14.51	30.16	200	180	A	H
		5883.81	62.43	-25.77	88.2	44.76	34.25	13.13	29.71	200	204	P	V
		5869.38	52.81	-15.39	68.2	35.16	34.24	13.11	29.7	200	204	A	V
	*	6545	104.61			86.21	35.3	13.84	30.74	200	204	P	V
	*	6645	108.33			89.3	35.95	13.93	30.85	200	204	P	V
	*	6745	112.14			92.93	36.09	14.02	30.9	200	204	P	V
	*	6855	110.47			91.44	35.93	14.14	31.04	200	204	P	V
	*	6545	94.17			75.77	35.3	13.84	30.74	200	204	A	V
	*	6645	101.42			82.39	35.95	13.93	30.85	200	204	A	V
	*	6745	102.47			83.26	36.09	14.02	30.9	200	204	A	V
	*	6855	100.83			81.8	35.93	14.14	31.04	200	204	A	V
		7384	52.61	-1.39	54	31.03	36.63	14.69	29.74	200	204	A	V
		7176.6	60.58	-27.62	88.2	39.74	36.77	14.45	30.38	200	204	P	V
		7244.24	51.23	-16.97	68.2	29.79	37.05	14.52	30.13	200	204	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII 7 - 6525~6875MHz

Multiple carrier_non-contiguous 40M+40M+40M+40M (Harmonic @ 3m)

Ant. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Multiple carrier_non- contiguous 40M+40M+40M+40M 6545MHz+6645MHz +6745MHz+6855MHz		13090	48.11	-40.09	88.2	55.38	39.74	19.76	66.98	-	-	P	H
		13290	50.79	-23.21	74	58.1	40.03	19.92	67.48	100	208	P	H
		13290	39.23	-14.77	54	46.54	40.03	19.92	67.48	100	208	A	H
		13490	49.7	-38.5	88.2	55.28	40.65	20.09	66.54	-	-	P	H
		13710	49.15	-39.05	88.2	55.24	40.7	20.28	67.29	-	-	P	H
		19635	38.69	-35.31	74	37.51	37.97	24.47	51.72	-	-	P	H
		19935	38.2	-35.8	74	36.65	37.99	24.62	51.52	-	-	P	H
		20235	39	-35	74	37.52	38.13	24.87	51.98	-	-	P	H
		20565	39.79	-34.21	74	36.13	38.26	25.17	50.23	-	-	P	H
		13090	49.56	-38.64	88.2	56.83	39.74	19.76	66.98	-	-	P	V
		13290	49.31	-24.69	74	56.62	40.03	19.92	67.48	113	0	P	V
		13290	39.22	-14.78	54	46.53	40.03	19.92	67.48	113	0	A	V
		13490	49.67	-38.53	88.2	55.25	40.65	20.09	66.54	-	-	P	V
		13710	49.39	-38.81	88.2	55.48	40.7	20.28	67.29	-	-	P	V
		19635	39.2	-34.8	74	37.94	38.05	24.47	51.72	-	-	P	V
		19935	37.94	-36.06	74	36.29	38.09	24.62	51.52	-	-	P	V
		20235	39.12	-34.88	74	37.7	38.07	24.87	51.98	-	-	P	V
		20565	40.36	-33.64	74	36.77	38.19	25.17	50.23	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is Margin line.
P/A	P eak or A verage
H/V	H orizontal or V ertical



A calculation example for radiated spurious emission is shown as below:

	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
16Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a		5925	55.45	-32.75	88.2	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
5955MHz		5925	43.54	-24.66	68.2	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Margin(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 5925MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
 = 55.45 (dBμV/m)
2. Margin(dB)
 = Level(dBμV/m) – Limit Line(dBμV/m)
 = 55.45(dBμV/m) – 74(dBμV/m)
 = -32.75(dB)

For Average Limit @ 5925MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
 = 43.54 (dBμV/m)
2. Margin(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
 = 43.54(dBμV/m) – 54(dBμV/m)
 = -24.66(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.



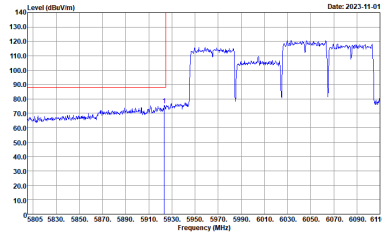
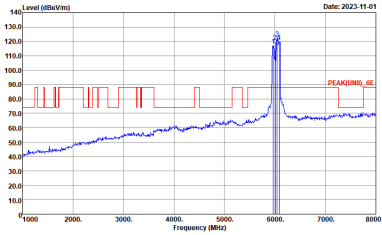
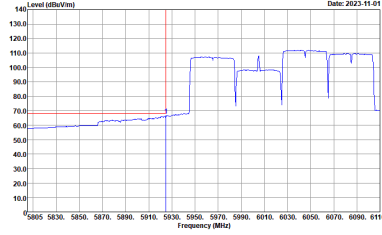
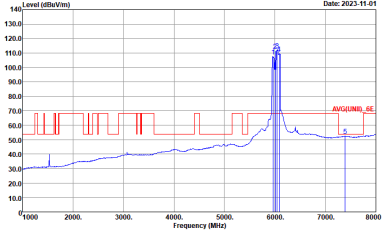
Appendix C. Radiated Spurious Emission Plots

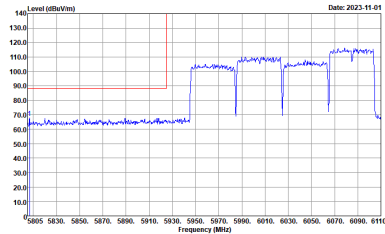
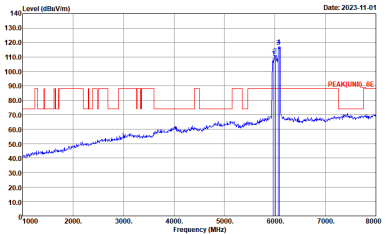
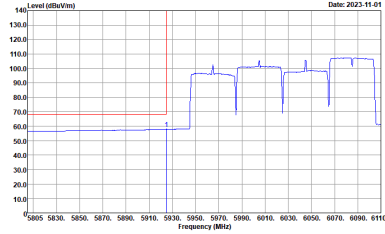
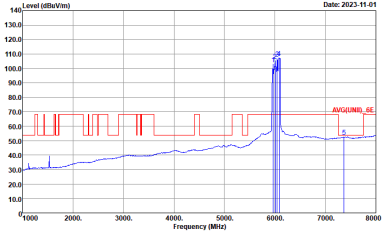
Test Engineer :	Thinh Hoang	Temperature :	21.9~24.2°C
		Relative Humidity :	39.2~50.6%

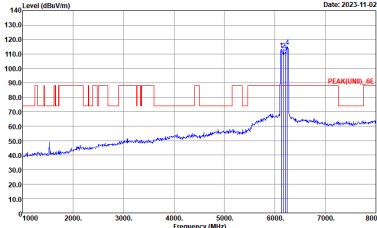
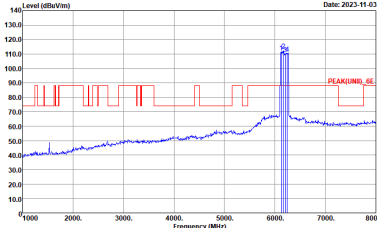
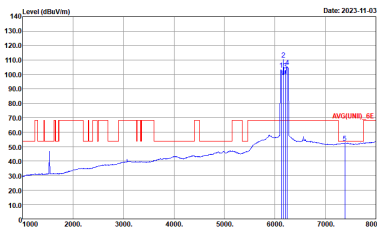
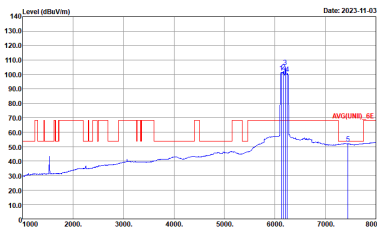
Note symbol

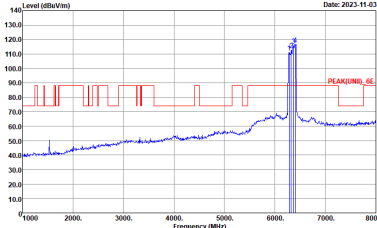
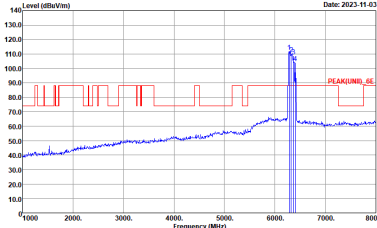
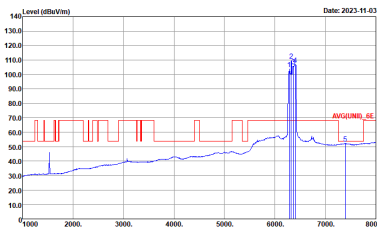
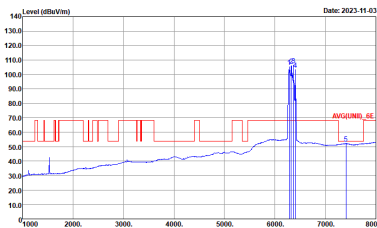
-L	Low channel location
-R	High channel location

UNII-5 - 5925~6425MHz
Multiple carrier_contiguous 40M+40M+40M+40M (Band Edge @ 3m)

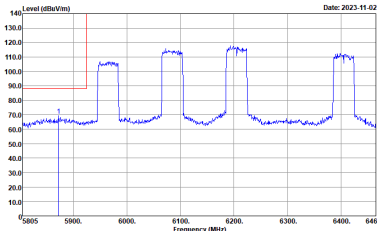
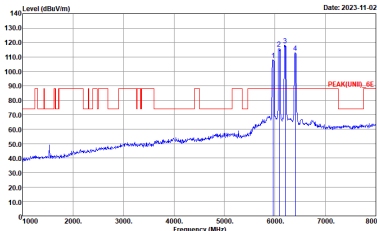
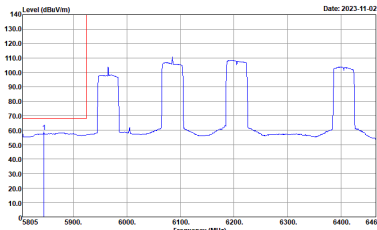
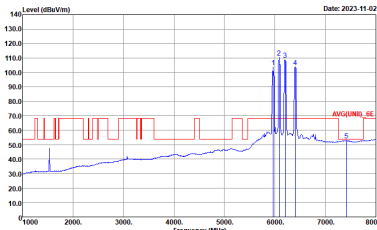
	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	Multiple carrier_contiguous 40M+40M+40M+40M 5965MHz+6005MHz+6045MHz+6085MHz	
16Tx	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

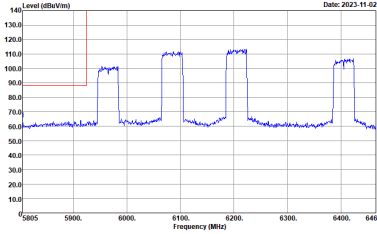
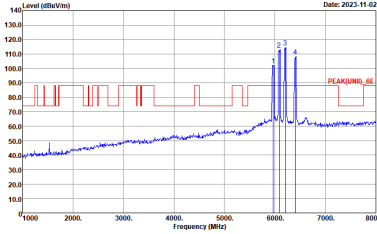
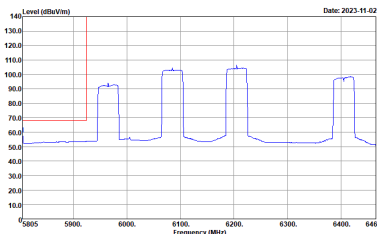
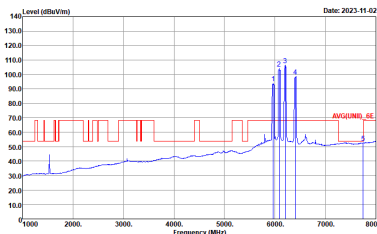
	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	Multiple carrier_contiguous 40M+40M+40M+40M 5965MHz+6005MHz+6045MHz+6085MHz	
16Tx	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

	UNII-5 5925~6425MHz Fundamental @ 3m	
ANT	Multiple carrier_contiguous 40M+40M+40M+40M 6125MHz+6165MHz+6205MHz+6245MHz	
16Tx	Horizontal	Vertical
Peak	 Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The plot shows a red line for the signal and a blue line for the noise floor. A prominent peak is visible at approximately 6125 MHz. The date is 2023-11-02. Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The plot shows a red line for the signal and a blue line for the noise floor. A prominent peak is visible at approximately 6125 MHz. The date is 2023-11-03. Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The plot shows a red line for the signal and a blue line for the noise floor. A prominent peak is visible at approximately 6125 MHz. The date is 2023-11-03. Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The plot shows a red line for the signal and a blue line for the noise floor. A prominent peak is visible at approximately 6125 MHz. The date is 2023-11-03. Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

	UNII-5 5925~6425MHz Fundamental @ 3m	
ANT	Multiple carrier_contiguous 40M+40M+40M+40M 6285MHz+6325MHz+6365MHz+6405MHz	
16Tx	Horizontal	Vertical
Peak	 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

UNII-5 5925~6425MHz
Multiple carrier_non contiguous 40M+40M+40M+40M (Band Edge @ 3m)

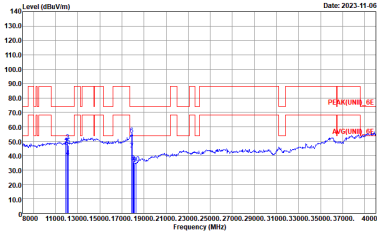
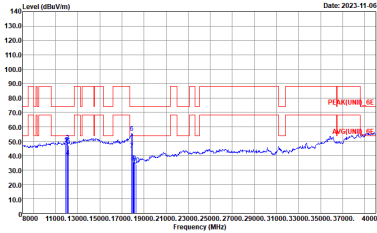
	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	Multiple carrier_ non-contiguous 40M+40M+40M+40M 5965MHz+6085MHz+6205MHz+6405MHz	
16Tx	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

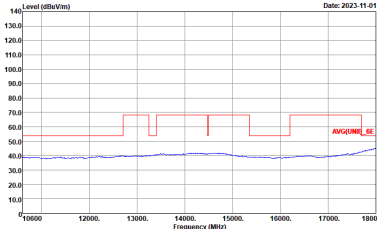
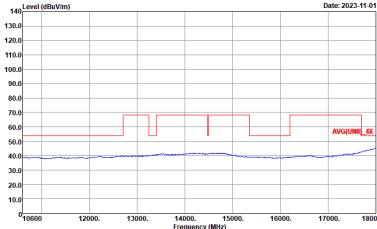
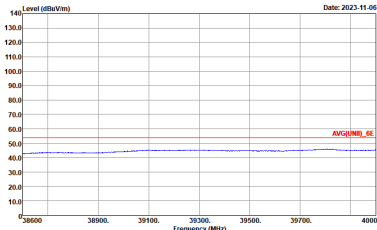
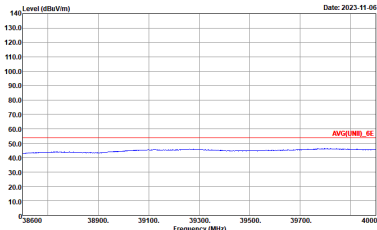
	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	Multiple carrier_non contiguous 40M+40M+40M+40M 5965MHz +6085MHz +6205MHz +6405MHz	
16Tx	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(UNIT)_AE 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT)_AE 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE(UNIT)_AE 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG(UNIT)_AE 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

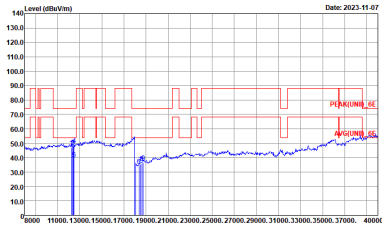
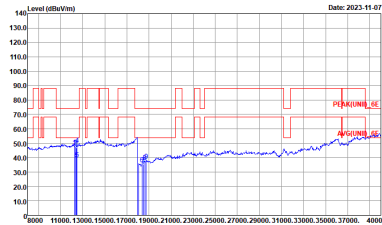


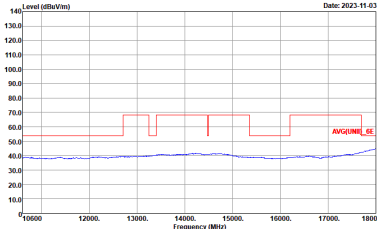
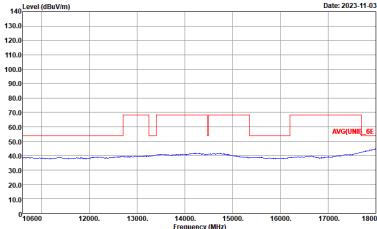
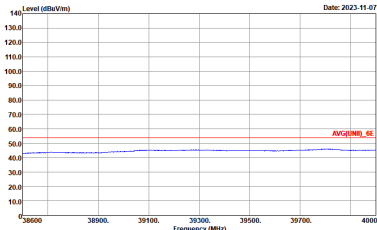
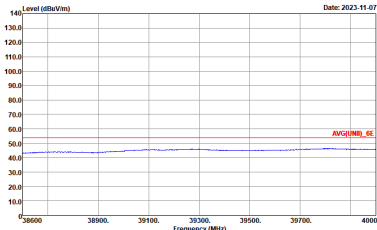
UNII-5 - 5925~6425MHz

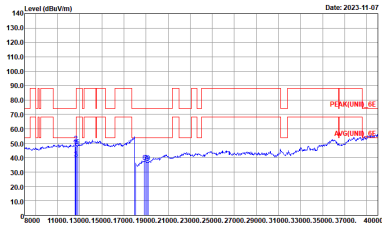
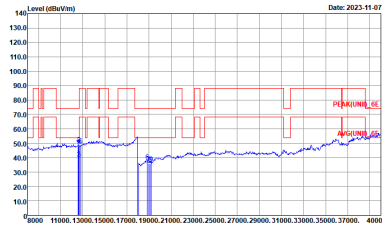
Multiple carrier_contiguous 40M+40M+40M+40M (Harmonic @ 3m)

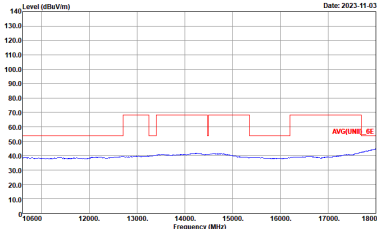
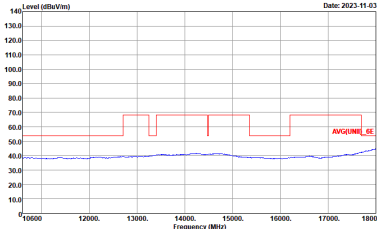
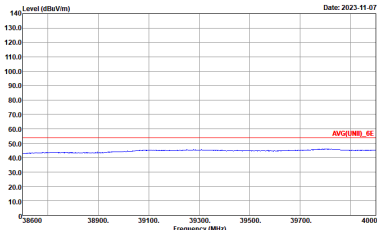
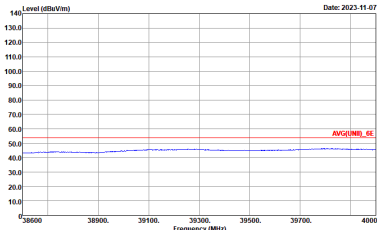
	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M+40M+40M 5965MHz+6005MHz+6045MHz+6085MHz	
16Tx	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 1m SHF_HORN_84L_230822 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 1m SHF_HORN_84L_230822 VERTICAL

	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M+40M+40M 5965MHz+6005MHz+6045MHz+6085MHz	
16Tx	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 HORIZONTAL	 Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 VERTICAL
	 Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL	 Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL
38.6G ~40G Avg.		

	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M+40M+40M 6125MHz+6165MHz+6205MHz+6245MHz	
16Tx	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL

	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M+40M+40M 6125MHz+6165MHz+6205MHz+6245MHz	
16Tx	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 HORIZONTAL	 Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 VERTICAL
	 Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL	 Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL

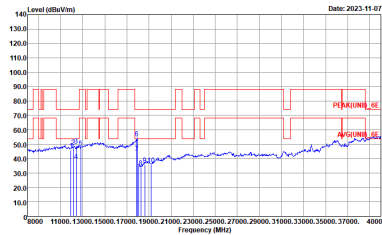
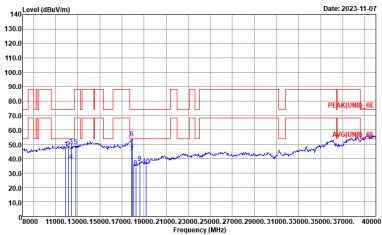
	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M+40M+40M 6285MHz+6325MHz+6365MHz+6405MHz	
16Tx	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL

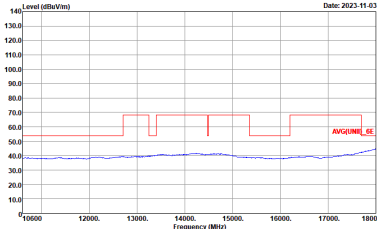
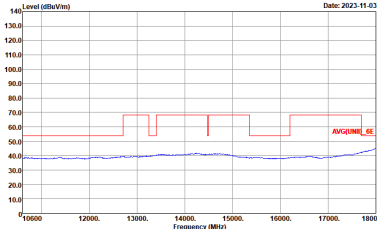
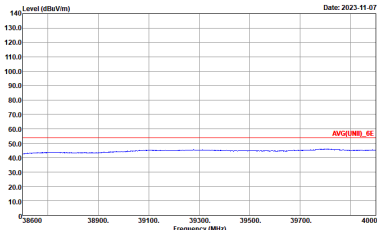
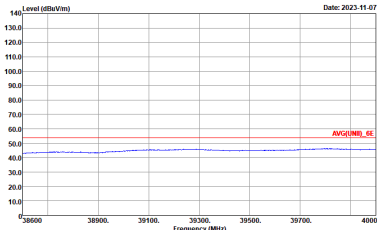
	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M+40M+40M 6285MHz+6325MHz+6365MHz+6405MHz	
16Tx	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 HORIZONTAL	 Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 VERTICAL
	 Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL	 Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL
38.6G ~40G Avg.		



UNII-5 5925~6425MHz

Multiple carrier_non contiguous 40M+40M+40M+40M (Harmonic @ 3m)

	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Multiple carrier_ non-contiguous 40M+40M+40M+40M 5965MHz+6085MHz+6205MHz+6405MHz	
16Tx	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_B41_230R22 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_B41_230R22 VERTICAL

	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Multiple carrier_ non-contiguous 40M+40M+40M+40M 5965MHz+6085MHz+6205MHz+6405MHz	
16Tx	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 HORIZONTAL	 Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 VERTICAL
	 Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL	 Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL
38.6G ~40G Avg.		

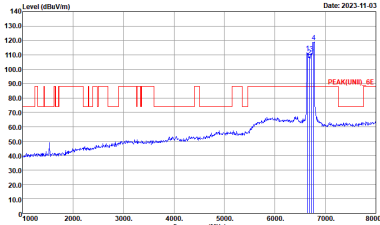
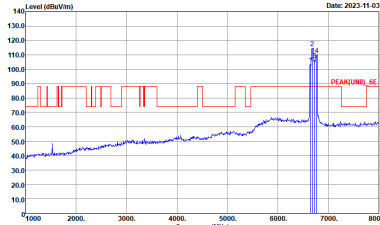
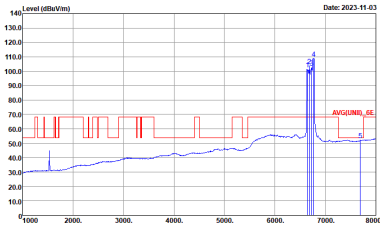
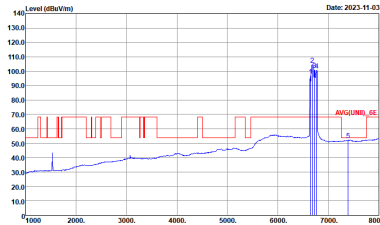


UNII-7 6525~6875MHz

Multiple carrier_contiguous 40M+40M+40M+40M (Band Edge @ 3m)

	UNII-7 6525~6875MHz Fundamental @ 3m	
ANT	Multiple carrier_contiguous 40M+40M+40M+40M 6545MHz+6585MHz+6625MHz+6665MHz	
16Tx	Horizontal	Vertical
Peak	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal orientation. The plot shows a series of peaks between 6500 and 6800 MHz. A red line indicates the peak level, and a blue line indicates the average level. The peak level is approximately 120 dBuV/m. The average level is approximately 40 dBuV/m. The plot is dated 2023-11-03. Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Level (dBuV/m) vs Frequency (MHz) plot for Vertical orientation. The plot shows a series of peaks between 6500 and 6800 MHz. A red line indicates the peak level, and a blue line indicates the average level. The peak level is approximately 120 dBuV/m. The average level is approximately 40 dBuV/m. The plot is dated 2023-11-03. Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal orientation. The plot shows a series of peaks between 6500 and 6800 MHz. A red line indicates the average level, and a blue line indicates the peak level. The average level is approximately 40 dBuV/m. The peak level is approximately 120 dBuV/m. The plot is dated 2023-11-03. Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Level (dBuV/m) vs Frequency (MHz) plot for Vertical orientation. The plot shows a series of peaks between 6500 and 6800 MHz. A red line indicates the average level, and a blue line indicates the peak level. The average level is approximately 40 dBuV/m. The peak level is approximately 120 dBuV/m. The plot is dated 2023-11-03. Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto



	UNII-7 6525~6875MHz Fundamental @ 3m	
ANT	Multiple carrier_contiguous 40M+40M+40M+40M 6645MHz+6685MHz+6725MHz+6765MHz	
16Tx	Horizontal	Vertical
Peak	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 VERTICAL
Avg.	 Site : 03CH02-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL	 Site : 03CH02-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL

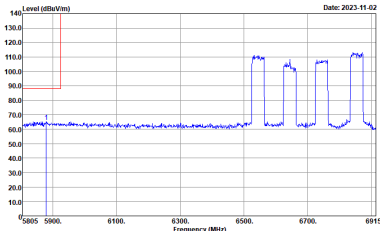
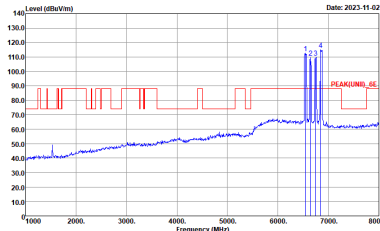
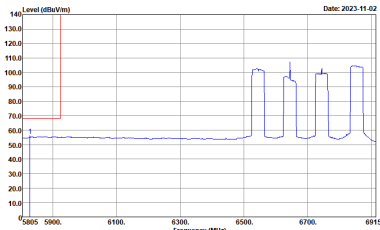
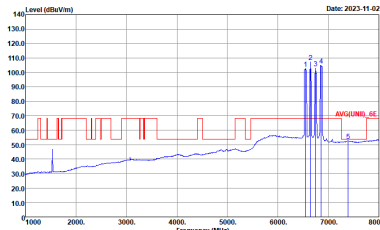


	UNII-7 6525~6875MHz Band Edge @ 3m	
ANT	Multiple carrier_contiguous 40M+40M+40M+40M 6735MHz+6775MHz+6815MHz+6855MHz	
16Tx	Horizontal	Fundamental
Peak	Horizontal Peak Spectrum Plot showing Level (dBm/100kHz) vs Frequency (MHz) from 6675 to 7245 MHz. The plot shows a blue line with a red peak at approximately 7100 MHz. The peak is labeled 'PEAK_BE(UNIT)_6E'. The date is 2023-11-02. Site : 03CH02-CA Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Fundamental Peak Spectrum Plot showing Level (dBm/100kHz) vs Frequency (MHz) from 1000 to 8000 MHz. The plot shows a blue line with a red peak at approximately 7100 MHz. The peak is labeled 'PEAK_UNB_6E'. The date is 2023-11-02. Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Horizontal Avg Spectrum Plot showing Level (dBm/100kHz) vs Frequency (MHz) from 6675 to 7245 MHz. The plot shows a blue line with a red peak at approximately 7100 MHz. The peak is labeled 'AVG_BE(UNIT)_6E'. The date is 2023-11-02. Site : 03CH02-CA Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Fundamental Avg Spectrum Plot showing Level (dBm/100kHz) vs Frequency (MHz) from 1000 to 8000 MHz. The plot shows a blue line with a red peak at approximately 7100 MHz. The peak is labeled 'AVG_UNB_6E'. The date is 2023-11-02. Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

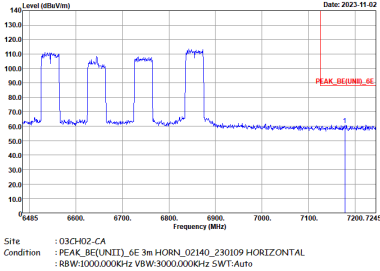
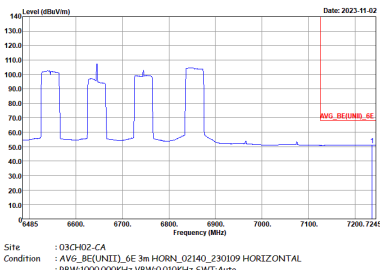


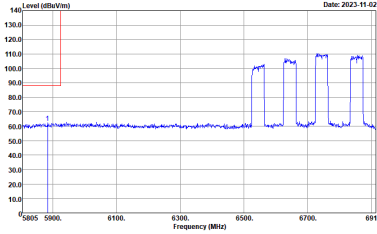
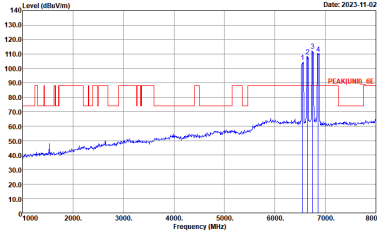
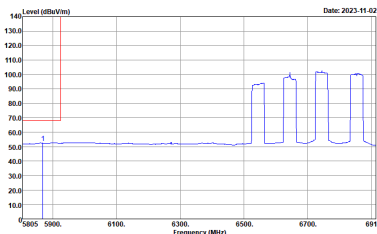
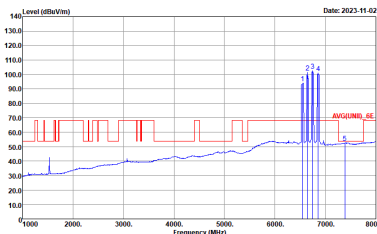
	UNII-7 6525~6875MHz Band Edge @ 3m	
ANT	Multiple carrier_contiguous 40M+40M+40M+40M 6735MHz+6775MHz+6815MHz+6855MHz	
16Tx	Vertical	Fundamental
Peak	Site : 03CH02-CA Condition : PEAK_BE(UNIT)_AE 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH02-CA Condition : PEAK(UNIT)_AE 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH02-CA Condition : AVG_BE(UNIT)_AE 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH02-CA Condition : AVG(UNIT)_AE 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

UNII-7 6525~6875MHz
Multiple carrier_non contiguous 40M+40M+40M+40M (Band Edge @ 3m)

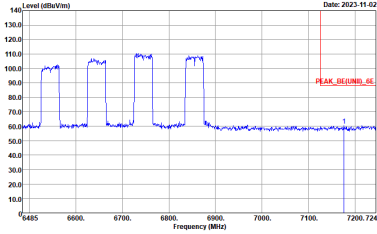
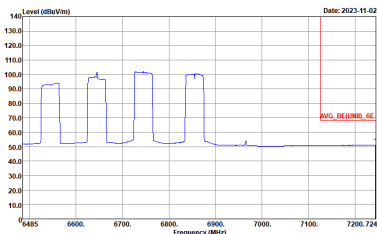
UNII-7 6525~6875MHz Band Edge @ 3m		
ANT	Multiple carrier_non-contiguous 40M+40M+40M+40M 6545MHz+6645MHz+6745MHz+6855MHz	
16Tx	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto



	UNII-7 6525~6875MHz Band Edge @ 3m	
ANT	Multiple carrier_non-contiguous 40M+40M+40M+40M 6545MHz+6645MHz+6745MHz+6855MHz	
16Tx	Horizontal	Fundamental
Peak		Left Blank
Avg.		Left Blank

	UNII-7 6525~6875MHz Band Edge @ 3m	
ANT	Multiple carrier_non-contiguous 40M+40M+40M+40M 6545MHz+6645MHz+6745MHz+6855MHz	
16Tx	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(UNIT)_AE 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT)_AE 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE(UNIT)_AE 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG(UNIT)_AE 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

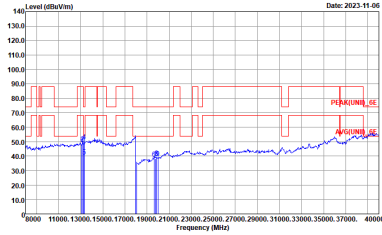
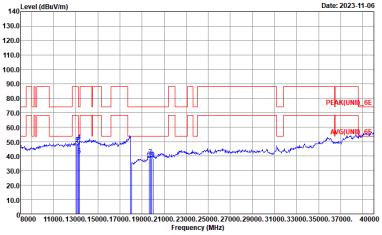


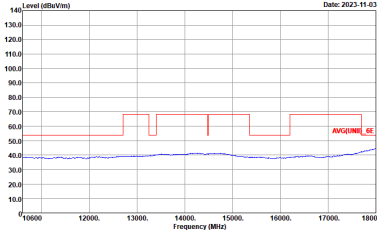
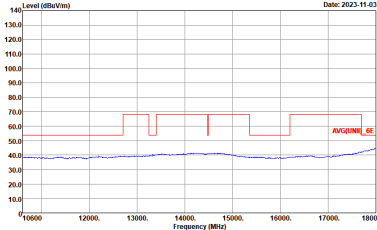
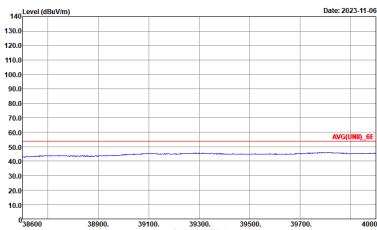
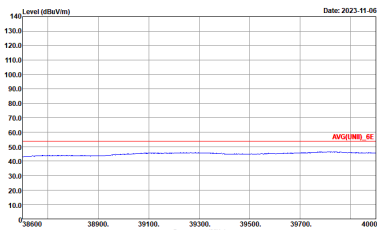
	UNII-7 6525~6875MHz Band Edge @ 3m	
ANT	Multiple carrier_non-contiguous 40M+40M+40M+40M 6545MHz+6645MHz+6745MHz+6855MHz	
16Tx	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(UNIT)_AE 3m HORN_02140_230109 VERTICAL RBW:3000.000KHz VBW:3000.000KHz SWT:Auto	Left Blank
Avg.	 Site : 03CH02-CA Condition : AVG_BE(UNIT)_AE 3m HORN_02140_230109 VERTICAL RBW:3000.000KHz VBW:0.010KHz SWT:Auto	Left Blank

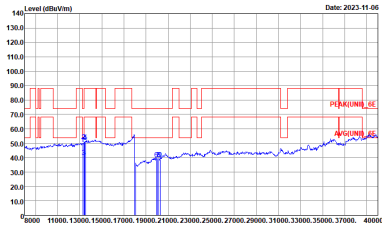
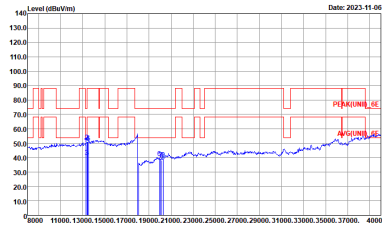


UNII-7 6525~6875MHz

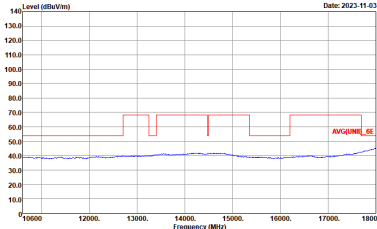
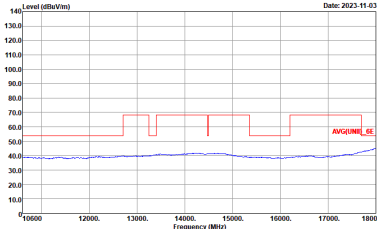
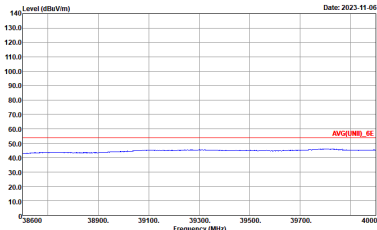
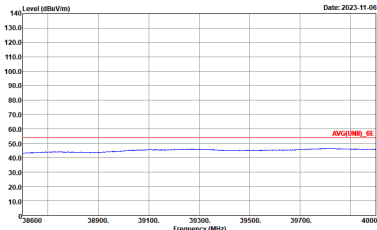
Multiple carrier_contiguous 40M+40M+40M+40M (Harmonic @ 3m)

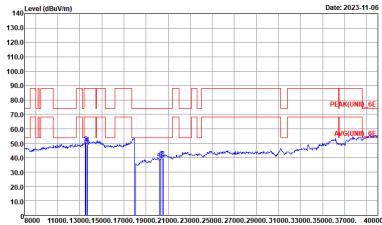
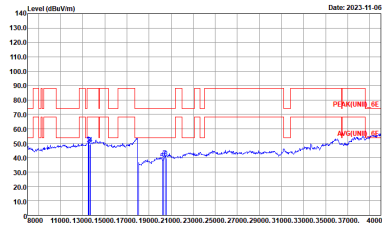
	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous40M+40M+40M+40M 6545MHz+6585MHz+6625MHz+6665MHz	
16Tx	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_B41_230R22 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_B41_230R22 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

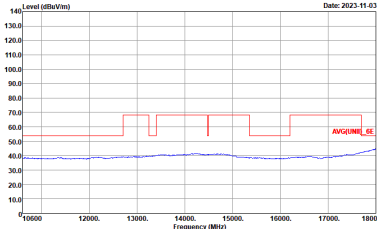
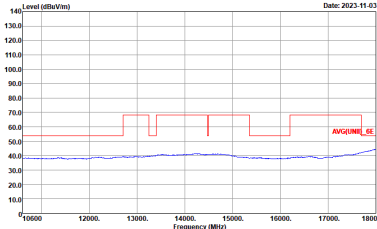
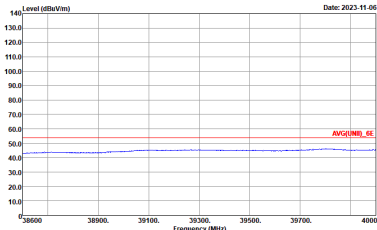
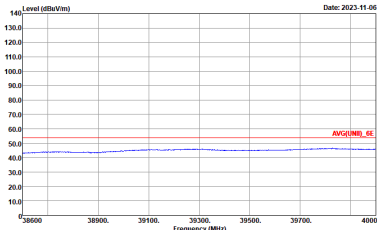
	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous40M+40M+40M+40M 6545MHz+6585MHz+6625MHz+6665MHz	
16Tx	Horizontal	Vertical
10.6G ~18G Avg.	 Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The plot shows a red line representing the signal level and a blue line representing the noise floor. The signal level is approximately 60 dBuV/m, and the noise floor is approximately 40 dBuV/m. The frequency range is from 11900 to 18000 MHz. Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The plot shows a red line representing the signal level and a blue line representing the noise floor. The signal level is approximately 60 dBuV/m, and the noise floor is approximately 40 dBuV/m. The frequency range is from 11900 to 18000 MHz. Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto
	 Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The plot shows a red line representing the signal level and a blue line representing the noise floor. The signal level is approximately 60 dBuV/m, and the noise floor is approximately 40 dBuV/m. The frequency range is from 38600 to 40000 MHz. Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_230822 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The plot shows a red line representing the signal level and a blue line representing the noise floor. The signal level is approximately 60 dBuV/m, and the noise floor is approximately 40 dBuV/m. The frequency range is from 38600 to 40000 MHz. Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_230822 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto
38.6G ~40G Avg.		

	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M+40M+40M 6645MHz+6685MHz+6725MHz+6765MHz	
16Tx	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL

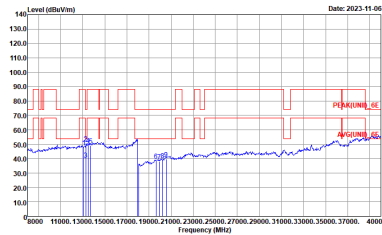
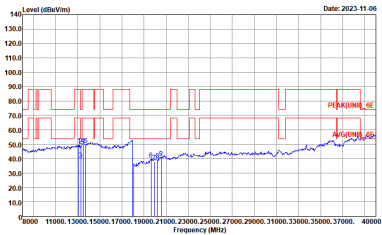


	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M+40M+40M 6645MHz+6685MHz+6725MHz+6765MHz	
16Tx	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 HORIZONTAL	 Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 VERTICAL
38.6G ~40G Avg.	 Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL	 Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL

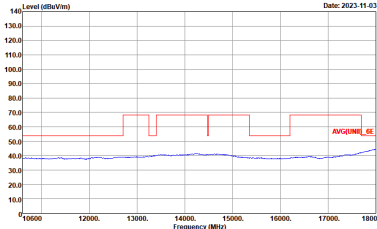
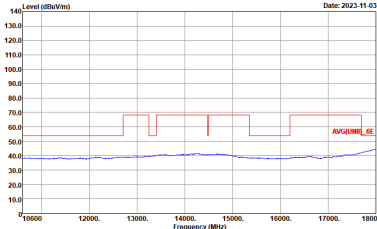
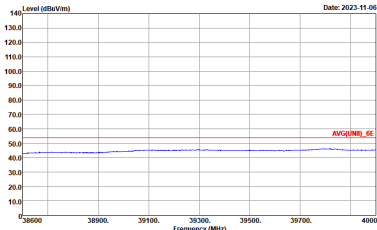
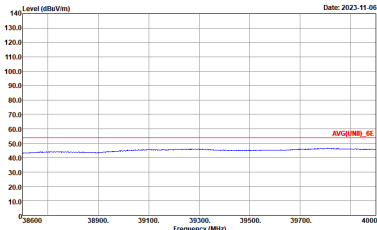
	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M+40M+40M 6735MHz+6775MHz+6815MHz+6855MHz	
16Tx	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK[UNII]_6E 1m SHF_HORN_841_230822 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK[UNII]_6E 1m SHF_HORN_841_230822 VERTICAL

	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M+40M+40M 6735MHz+6775MHz+6815MHz+6855MHz	
16Tx	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 HORIZONTAL	 Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 VERTICAL
	 Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL	 Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL
38.6G ~40G Avg.		

UNII-7 6525~6875MHz
Multiple carrier_non contiguous 40M+40M+40M+40M (Harmonic @ 3m)

	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Multiple carrier_non-contiguous 40M+40M+40M+40M 6545MHz+6645MHz+6745MHz+6855MHz	
16Tx	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_B41_230R22 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_B41_230R22 VERTICAL



	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Multiple carrier_non-contiguous 40M+40M+40M+40M 6545MHz+6645MHz+6745MHz+6855MHz	
16Tx	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 HORIZONTAL	 Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 VERTICAL
38.6G ~40G Avg.	 Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL	 Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL



Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
Multi Carrier	40+40+40+40M	100.00	-	-	10Hz

