



FCC RADIO TEST REPORT

FCC ID : 2ABOF-G1RN6AHB012
Equipment : Remote Node (RN)
Brand Name : TARANA
Model Name : G1RN6AHB012
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 Aug. 02, 2023 to Aug. 23, 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 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.....	8
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	11
2.6 Measurement Results Explanation Example.....	11
3 Test Result	12
3.1 26dB & 99% Occupied Bandwidth Measurement	12
3.2 Fundamental Maximum EIRP Measurement	15
3.3 Fundamental Power Spectral Density Measurement	16
3.4 In-Band Emissions (Channel Mask)	20
3.5 Unwanted Emissions Measurement.....	27
3.6 AC Conducted Emission Measurement.....	31
3.7 Antenna Requirements.....	33
4 List of Measuring Equipment.....	34
5 Measurement Uncertainty	36
Appendix A. Conducted Test Results	
Appendix B. AC Conducted Emission Test Result	
Appendix C. Radiated Spurious Emission	
Appendix D. Radiated Spurious Emission Plots	
Appendix E. Duty Cycle Plots	
Appendix F. Setup Photographs	



History of this test report

Report No.	Version	Description	Issue Date
FR230713001B	01	Initial issue of report	Aug. 30, 2023



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.407(a)(10)	26dB Emission Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)(4)	Fundamental Maximum EIRP	Pass	-
3.3	15.407(a)(4)	Fundamental Power Spectral Density	Pass	-
3.4	15.407(b)(6)	In-Band Emissions (Channel Mask)	Pass	-
-	15.407(d)(6)	Contention Based Protocol	Not Required	Standard Access Points
3.5	15.407(b)	Unwanted Emissions	Pass	1.26 dB under the limit at 7265.00 MHz
3.6	15.207	AC Conducted Emission	Pass	14.17 dB under the limit at 0.18 MHz
3.7	15.203	Antenna Requirement	Pass	-

Note: Not required means after assessing, test items are not necessary to carry out.

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 Fixed Wireless Access	
Antenna Type Integrated Array Antenna	

Antenna information		
5925 MHz ~ 6425 MHz	Peak Gain (dBi)	14.9
6525 MHz ~ 6875 MHz	Peak Gain (dBi)	15.0

Remark:

- The device is driving cross-polarized antenna, which has 4 horizontal polarization antenna and 4 vertical polarization antenna
- Minimum number of spatial stream (Nss) is 2
- The EUT is a fixed point-to-point device operating in UNII-5.
Directional Gain (4H/4V) = 14.9dBi + 10log(Ntx = 4 / Nss = 2) = 17.91dBi
The EUT is a fixed point-to-point device operating in UNII-7.
Directional Gain (4H/4V) = 15dBi + 10log(Ntx = 4 / Nss = 2) = 18.01dBi
- 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, 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 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: 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). 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.
- b. AC power line Conducted Emission was tested under maximum output power.

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)
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

2.2 Test Mode

Test Cases	
AC Conducted Emission	Mode 1 : 6GHz TX + POE



<Single Carrier>

UNII-5 (5925-6425 MHz)
Channel BW 40MHz
5965MHz
6165MHz
6405MHz

UNII-7 (6525-6875 MHz)
Channel BW 40MHz
6545MHz
6685MHz
6855MHz

<Multi Carrier (Contiguous)>

UNII-5 (5925-6425 MHz)
Channel BW 40MHz + 40MHz
5965MHz + 6005MHz
6165MHz + 6205MHz
6365MHz + 6405MHz

UNII-7 (6525-6875 MHz)
Channel BW 40MHz + 40MHz
6545MHz + 6585MHz
6685MHz + 6725MHz
6815MHz + 6855MHz

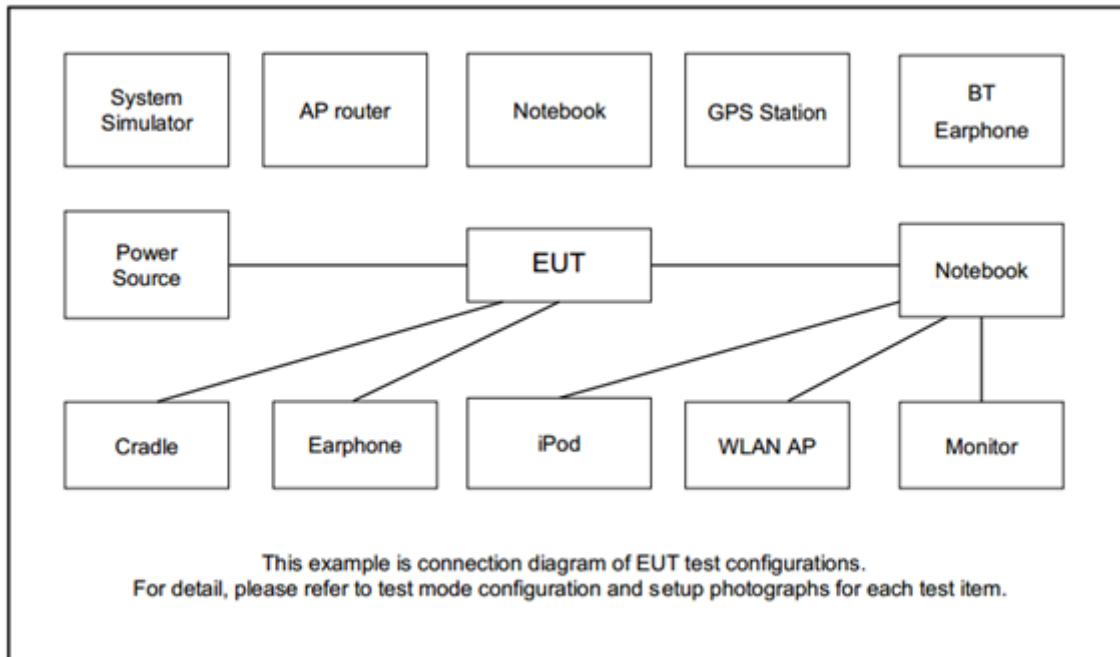
<Multi Carrier (Non-Contiguous)>

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

UNII-7 (6525-6875 MHz)
Channel BW 40MHz + 40MHz
6545MHz + 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.	POE	PHIHONG	POE60U-1BTE	N/A	N/A	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
3.	Laptop	Lenovo	ThinkPad T460	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Shielding Cable	NA	NA	NA	Shielded 2m	N/A



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.

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 10dB attenuator.

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 4.2 + 10 = 14.2 \text{ (dB)} \end{aligned}$$

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Limit of 26dB & 99% Occupied Bandwidth

<FCC 14-30 CFR 15.407>

(a)(10) The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.

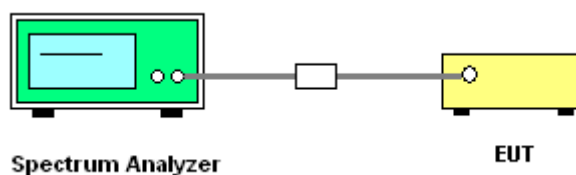
3.1.2 Measuring Instruments

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
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) $\geq 3 * RBW$.
8. Measure and record the results in the test report.

3.1.4 Test Setup



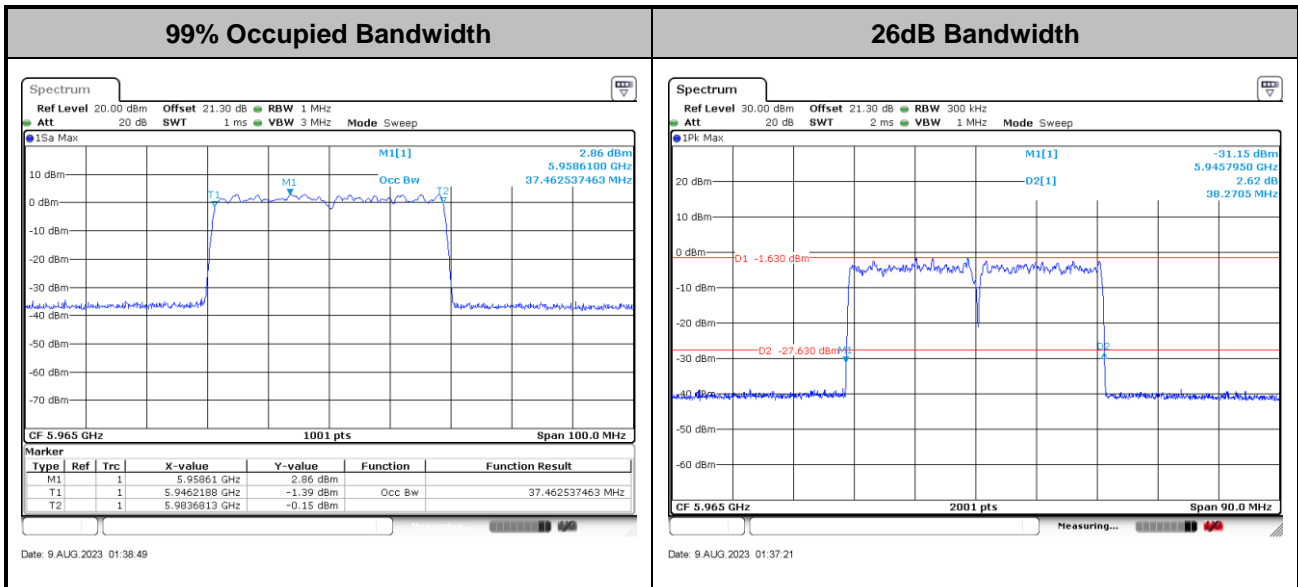
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.



<Single Carrier>

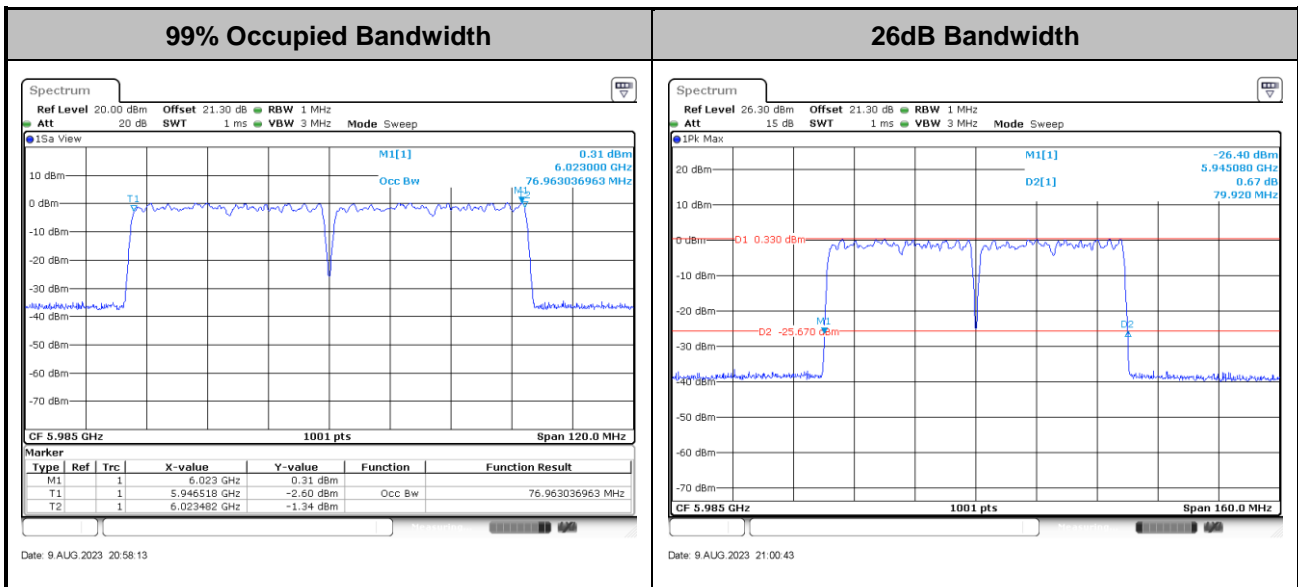
<40MHz>



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

<Multi Carrier (Contiguous)>

<40MHz + 40MHz>

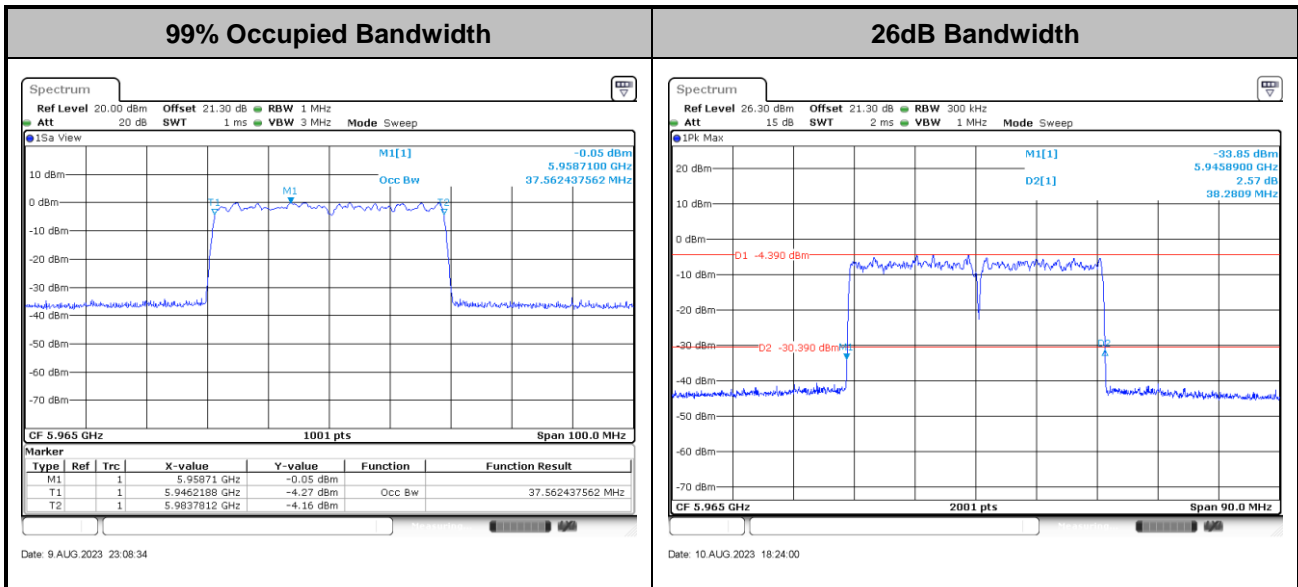


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



<Multi Carrier (Non-Contiguous)>

<40MHz + 40MHz>



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

3.2 Fundamental Maximum EIRP Measurement

3.2.1 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).

3.2.2 Measuring Instruments

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

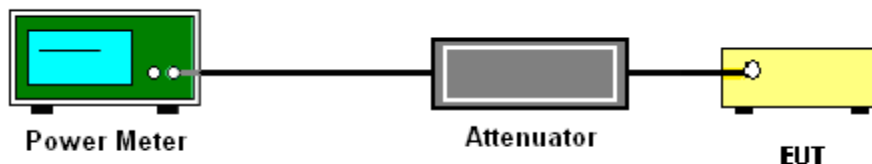
3.2.3 Test Procedures

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 Fundamental Maximum EIRP

Please refer to Appendix A.



3.3 Fundamental Power Spectral Density Measurement

3.3.1 Limit of Fundamental Power Spectral Density

<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.

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

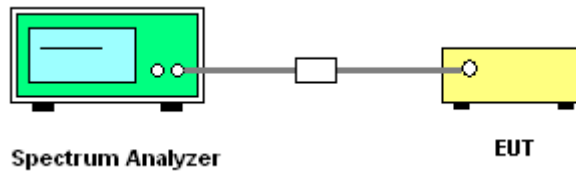
The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section F) Maximum power spectral density.

Method SA-2

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW \geq 3 MHz.
 - Number of points in sweep \geq 2 Span / RBW.
 - Sweep time = auto.
 - Detector = RMS
 - Trace average at least 100 traces in power averaging mode.
 - Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.
1. The RF output of EUT was 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.

3.3.4 Test Setup

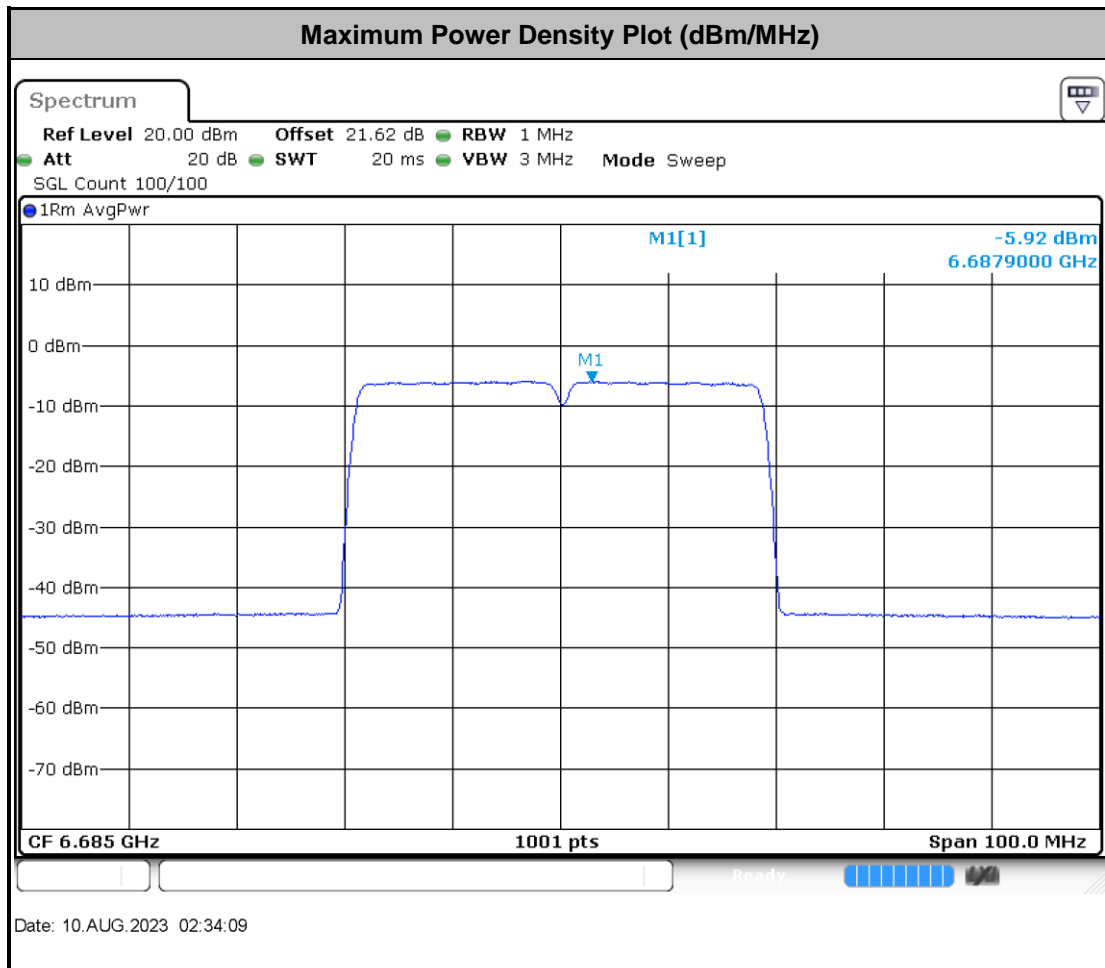


3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

<Single Carrier>

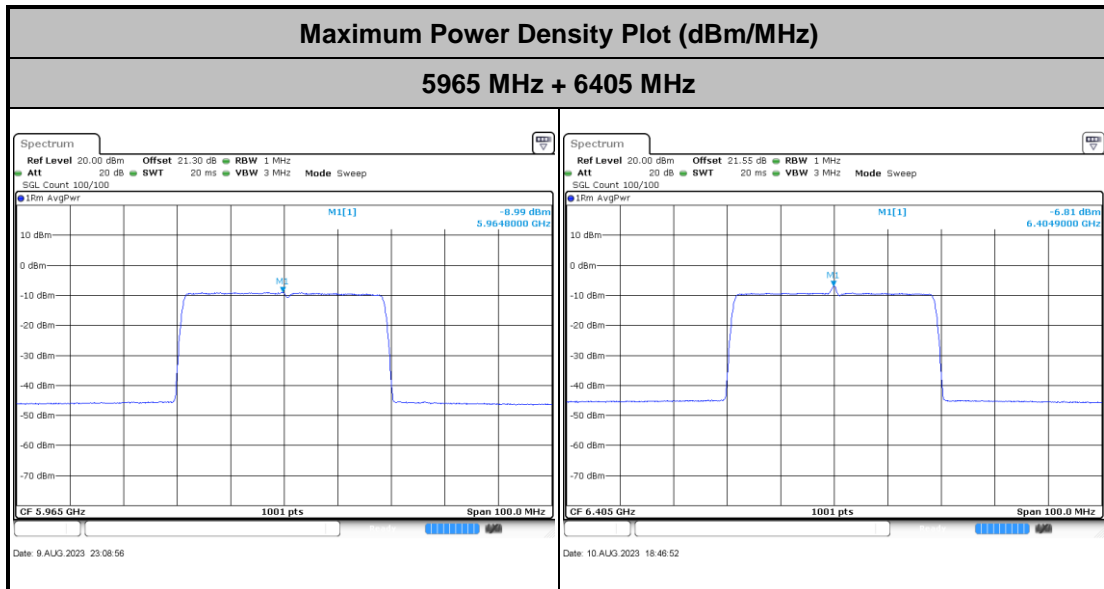
<40MHz>





<Multi Carrier (Non-Contiguous)>

<40MHz + 40MHz>





3.4 In-Band Emissions (Channel Mask)

3.4.1 Limit of Unwanted Emissions

<FCC 14-30 CFR 15.407>

(a)(6) For transmitters operating within the 5.925-7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

3.4.2 Measuring Instruments

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

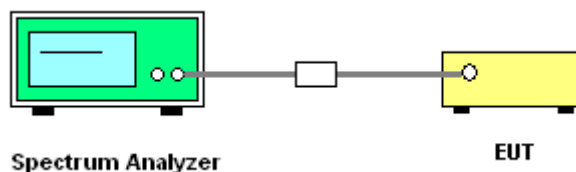
3.4.3 Test Procedures

The testing follows FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01.

Section J) In-Band Emissions.

1. Take nominal bandwidth as reference channel bandwidth provided that 26 dB emission bandwidth is always larger than nominal bandwidth
2. Measure the power spectral density (which will be used for emissions mask reference) using the following procedure:
 - a) Set the span to encompass the entire 26 dB EBW of the signal.
 - b) Set RBW = same RBW used for 26 dB EBW measurement.
 - c) Set VBW $\geq 3 \times$ RBW
 - d) Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$.
 - e) Sweep time = auto.
 - f) Detector = RMS (i.e., power averaging)
 - g) Trace average at least 100 traces in power averaging (rms) mode.
 - h) Use the peak search function on the instrument to find the peak of the spectrum.
3. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
 - a. Suppressed by 20 dB at 1 MHz outside of the channel edge.
 - b. Suppressed by 28 dB at one channel bandwidth from the channel center.
 - c. Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
4. Adjust the span to encompass the entire mask as necessary.
5. Clear trace.
6. Trace average at least 100 traces in power averaging (rms) mode.
7. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask.

3.4.4 Test Setup



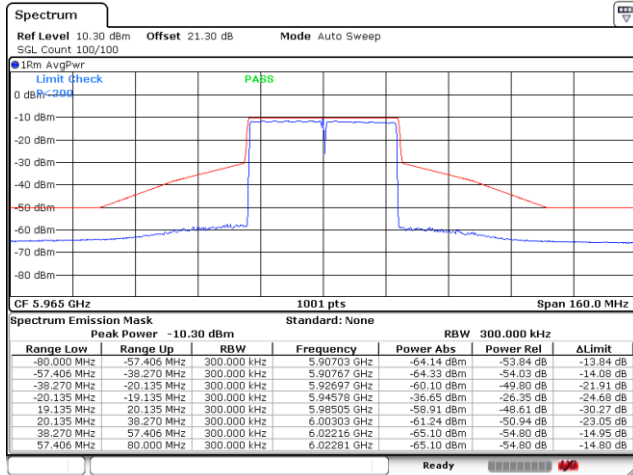


3.4.5 Test Result

<Single Carrier>

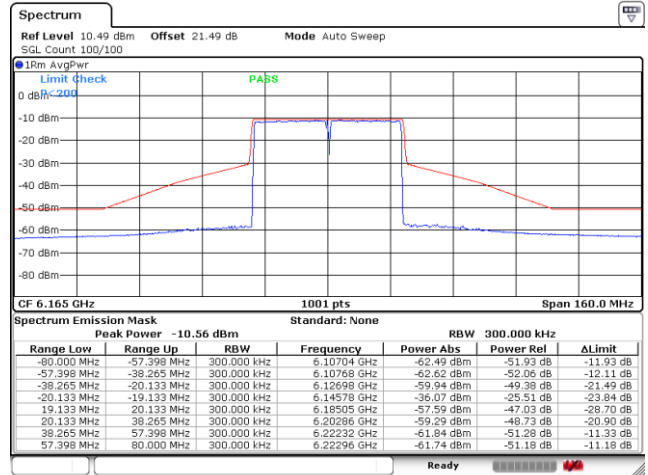
<40MHz>

Plot on Channel 5965 MHz



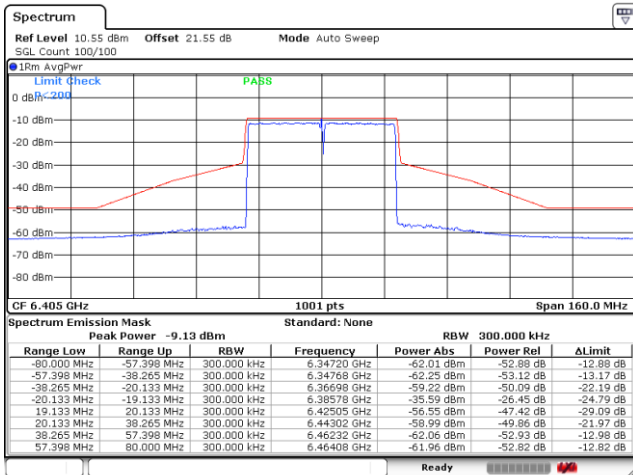
Date: 9.AUG.2023 01:51:02

Plot on Channel 6165 MHz



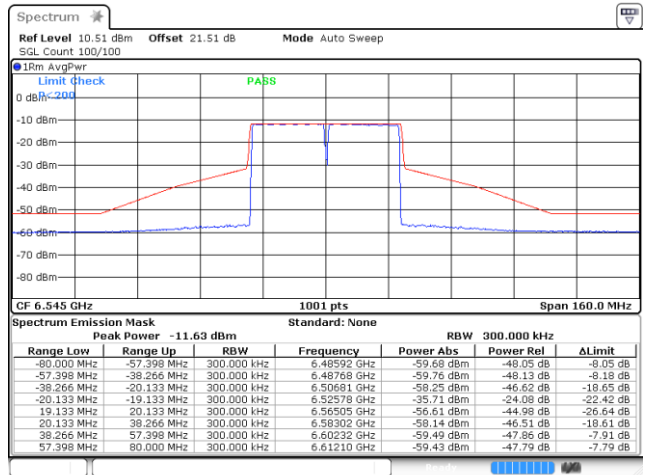
Date: 9.AUG.2023 02:04:24

Plot on Channel 6405 MHz



Date: 9.AUG.2023 02:12:53

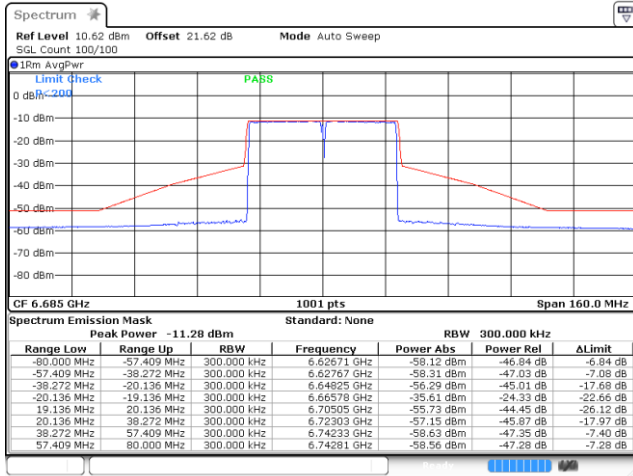
Plot on Channel 6545 MHz



Date: 10.AUG.2023 23:33:33

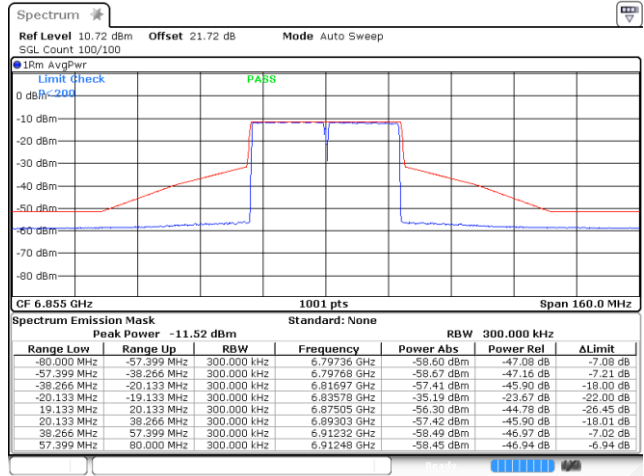


Plot on Channel 6685 MHz



Date: 10.AUG.2023 23:37:41

Plot on Channel 6855 MHz



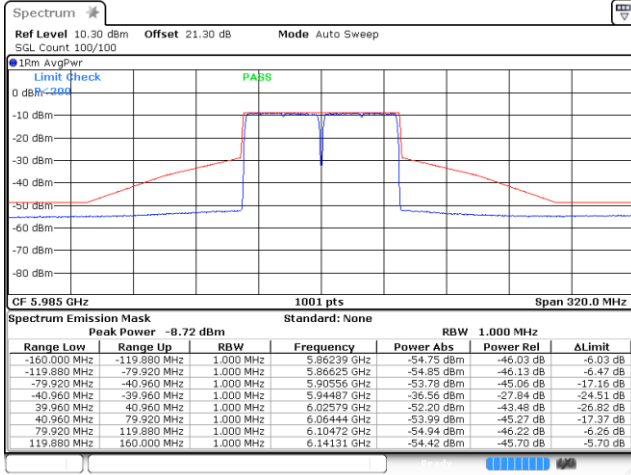
Date: 10.AUG.2023 23:43:12



<Multi Carrier (Contiguous)>

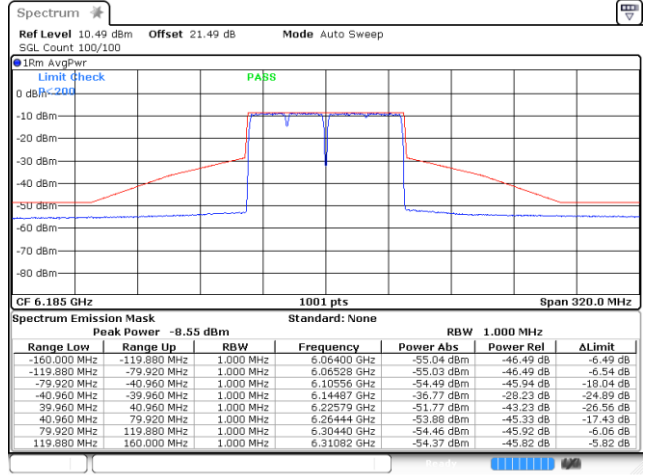
<40MHz + 40MHz>

Plot on Channel 5965 MHz + 6005 MHz



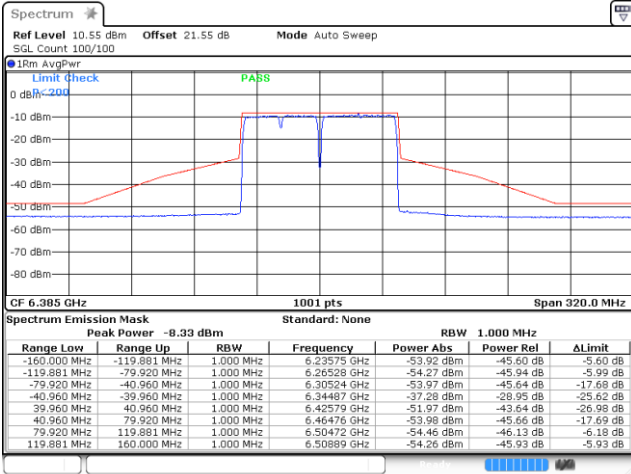
Date: 9.AUG.2023 21:01:38

Plot on Channel 6165 MHz + 6205 MHz



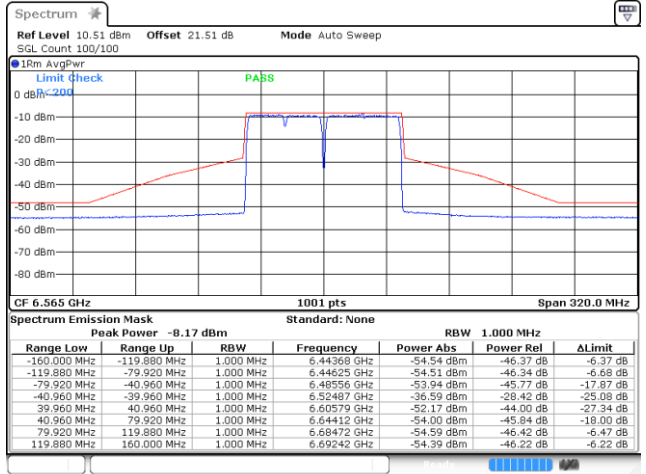
Date: 9.AUG.2023 21:21:10

Plot on Channel 6365 MHz + 6405 MHz



Date: 9.AUG.2023 22:38:30

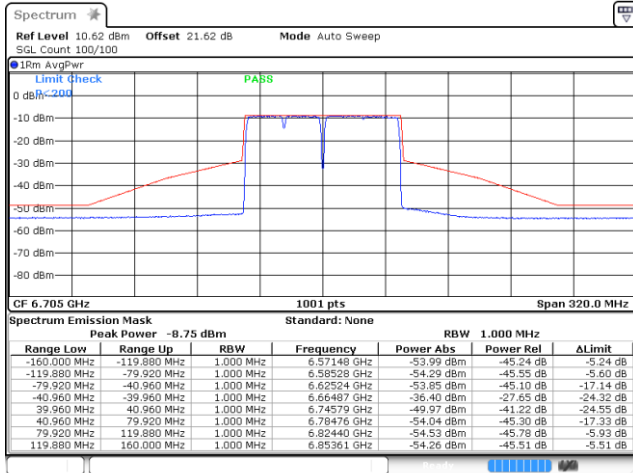
Plot on Channel 6545 MHz + 6585 MHz



Date: 10.AUG.2023 01:10:49

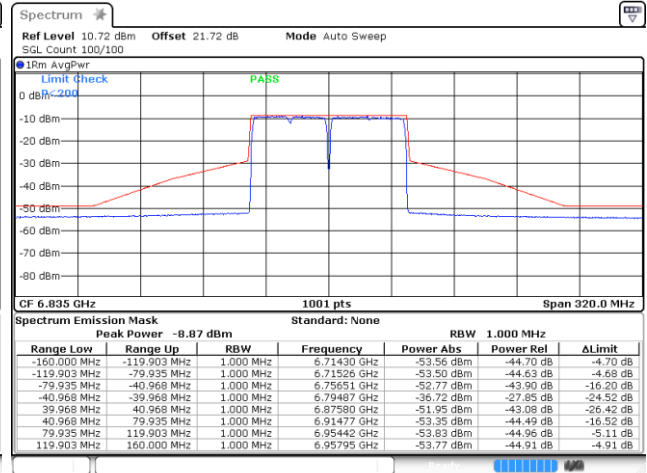


Plot on Channel 6685 MHz + 6725 MHz



Date: 10.AUG.2023 01:38:16

Plot on Channel 6815 MHz + 6855 MHz



Date: 10.AUG.2023 01:56:03

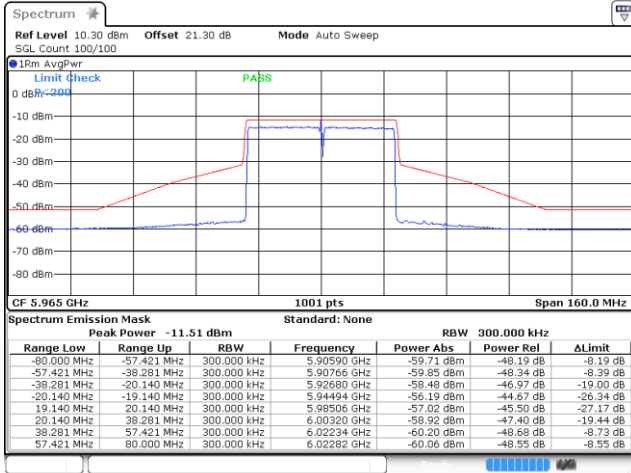


<Multi Carrier (non-Contiguous)>

<40MHz + 40MHz>

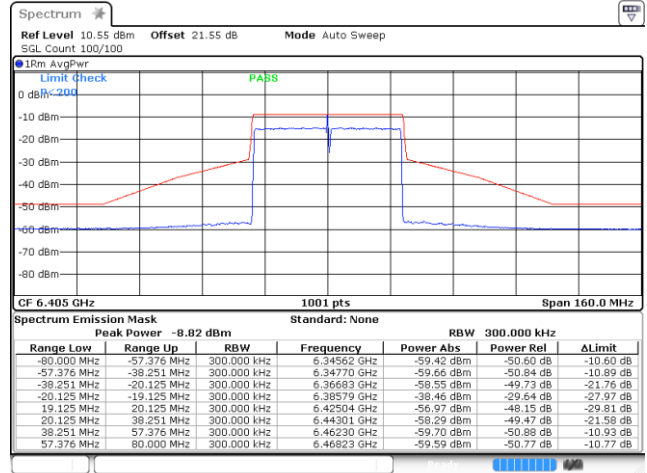
<5965 MHz + 6405 MHz>

Plot on Channel 5965 MHz



Date: 10.AUG.2023 23:23:25

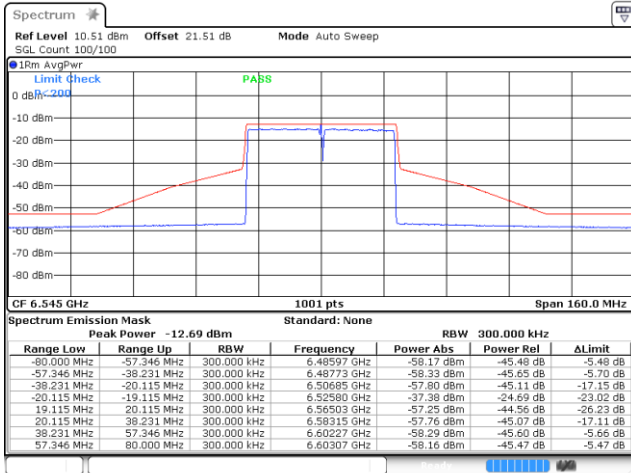
Plot on Channel 6405 MHz



Date: 10.AUG.2023 23:25:22

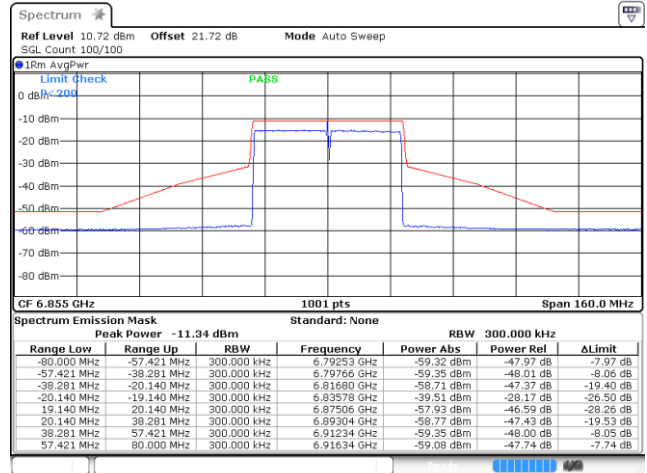
<6545 MHz + 6855 MHz>

Plot on Channel 6545 MHz



Date: 10.AUG.2023 23:11:49

Plot on Channel 6855 MHz



Date: 10.AUG.2023 23:17:25

3.5 Unwanted Emissions Measurement

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

3.5.1 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.

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

3.5.2 Measuring Instruments

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

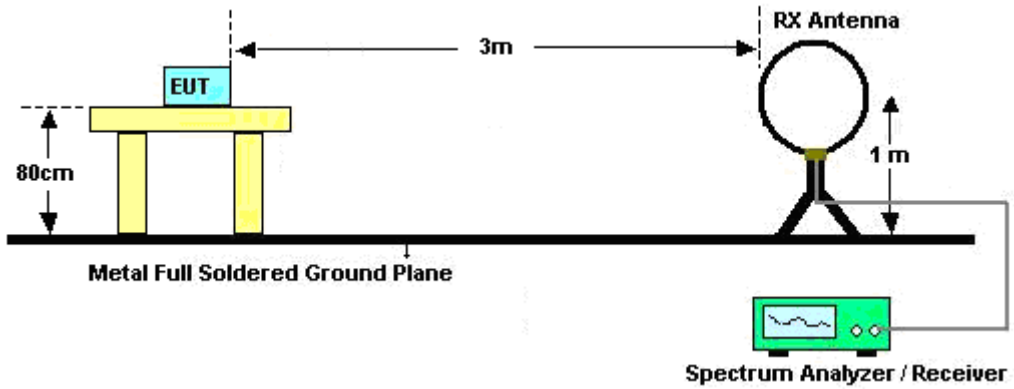


3.5.3 Test Procedures

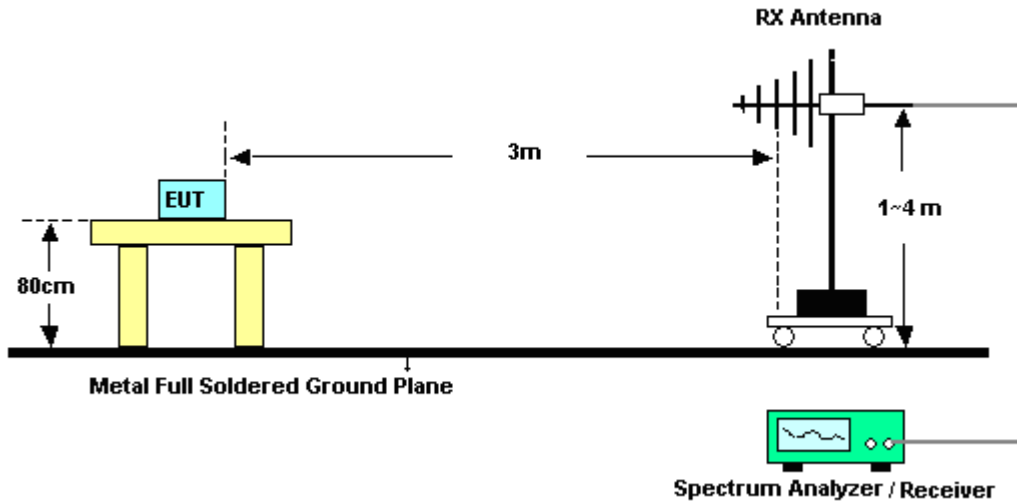
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak 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 “-“.

3.5.4 Test Setup

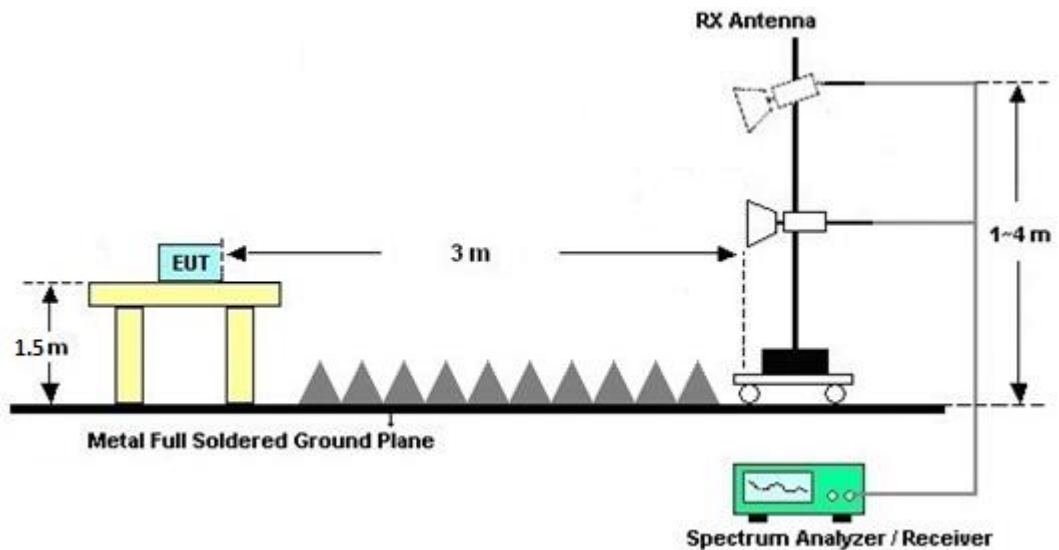
For radiated emissions below 30MHz



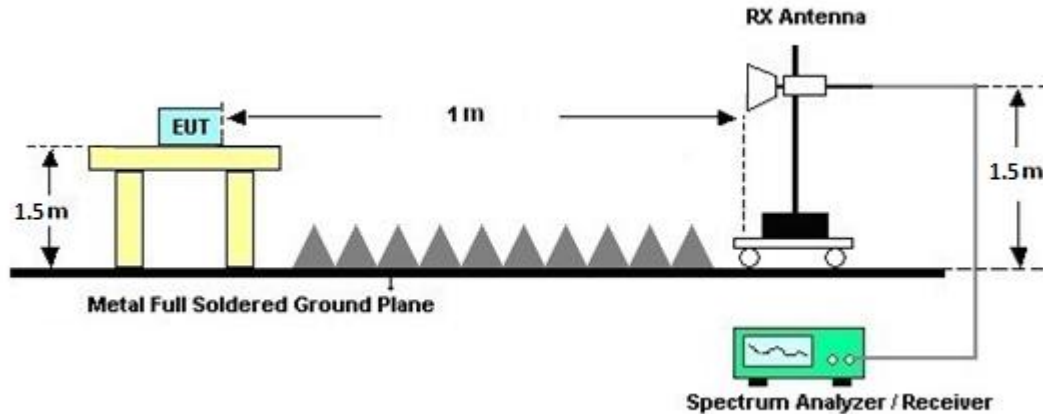
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.5.5 Test Results of Radiated Spurious 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.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.5.7 Duty Cycle

Please refer to Appendix E.

3.5.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.



3.6 AC Conducted Emission Measurement

3.6.1 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 (dB μ V)	
	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.

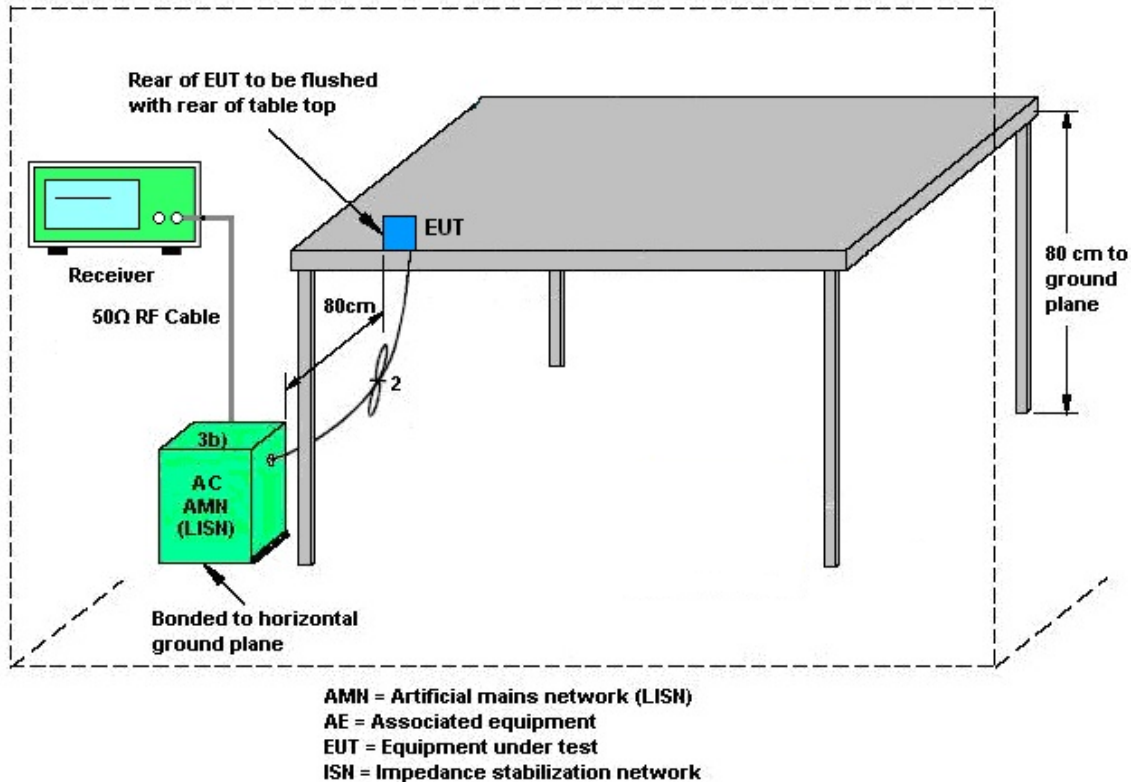
3.6.2 Measuring Instruments

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

3.6.3 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 should 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.

3.6.4 Test Setup



3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.7 Antenna Requirements

3.7.1 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.

3.7.2 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
Loop Antenna	R&S	HFH2-Z2E	100840	9kHz~30MHz	Jun. 29, 2023	Aug. 11, 2023~ Aug. 18, 2023	Jun. 28, 2024	Radiation (03CH01-CA)
Bilog Antenna	TESEQ	6111D	54683	30MHz~1GHz	Nov. 01, 2022	Aug. 11, 2023~ Aug. 18, 2023	Oct. 31, 2023	Radiation (03CH01-CA)
Horn Antenna	SCHWARZBE CK	BBHA 9120D	02140	1GHz~18GHz	Jan. 09, 2023	Aug. 11, 2023~ Aug. 18, 2023	Jan. 08, 2024	Radiation (03CH01-CA)
Horn Antenna	SCHWARZBE CK	BBHA9170	00842	18GHz~40GHz	Jul. 17, 2023	Aug. 11, 2023~ Aug. 18, 2023	Jul. 16, 2024	Radiation (03CH01-CA)
Amplifier	SONOMA	310N	372241	N/A	May 03, 2023	Aug. 11, 2023~ Aug. 18, 2023	May 02, 2024	Radiation (03CH01-CA)
Preamplifier	Keysight	83017A	MY53270323	1GHz~26.5GHz	May 04, 2023	Aug. 11, 2023~ Aug. 18, 2023	May 03, 2024	Radiation (03CH01-CA)
Preamplifier	E-instrument	ERA-100M-18 G-56-01-A70	EC1900252	1GHz~18GHz	May 23, 2023	Aug. 11, 2023~ Aug. 18, 2023	May 22, 2024	Radiation (03CH01-CA)
Preamplifier	EMEC	EMC18G40G	060725	18GHz~40GHz	May 04, 2023	Aug. 11, 2023~ Aug. 18, 2023	May 03, 2024	Radiation (03CH01-CA)
Spectrum Analyzer	Keysight	N9010B	MY63440343	10Hz - 44GHz	Jan. 15, 2023	Aug. 11, 2023~ Aug. 18, 2023	Jan. 14, 2024	Radiation (03CH01-CA)
RF Cable	HUBER+SUH NER	SUCOFLEX 102	8015932/2, 8015762/2, 804938/2	N/A	Mar. 06, 2023	Aug. 11, 2023~ Aug. 18, 2023	Mar. 05, 2024	Radiation (03CH01-CA)
High Pass Filter	WOKEN	WFIL-H8000-2 5000F-01	WR32BNW2B 2	8G~25G	Jun. 05, 2023	Aug. 11, 2023~ Aug. 18, 2023	Jun. 04, 2024	Radiation (03CH01-CA)
Filter	Wainwright	WLK12-1200-1 272-11000-40 SS	SN1	1.2GHz Low Pass Filter	Jun. 05, 2023	Aug. 11, 2023~ Aug. 18, 2023	Jun. 04, 2024	Radiation (03CH01-CA)
Hygrometer	TESEO	608-H1	45142595	N/A	Sep. 12, 2022	Aug. 11, 2023~ Aug. 18, 2023	Sep. 11, 2023	Radiation (03CH01-CA)
Controller	ChainTek	EM-1000	060876	NA	N/A	Aug. 11, 2023~ Aug. 18, 2023	N/A	Radiation (03CH01-CA)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Aug. 11, 2023~ Aug. 18, 2023	N/A	Radiation (03CH01-CA)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Aug. 11, 2023~ Aug. 18, 2023	N/A	Radiation (03CH01-CA)
Software	Audix	E3	N/A	N/A	N/A	Aug. 11, 2023~ Aug. 18, 2023	N/A	Radiation (03CH01-CA)
Hygrometer	Testo	608-H1	45142602	N/A	Sep. 12, 2022	Aug. 09, 2023~ Aug. 23, 2023	Sep. 11, 2023	Conducted (TH01-CA)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101089	10Hz-40GHz	May 22, 2023	Aug. 09, 2023~ Aug. 23, 2023	May 21, 2024	Conducted (TH01-CA)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LISN	TESEQ	NNB51	47415	N/A	Jul. 31, 2023	Aug. 02, 2023	Jul. 30, 2024	Conduction (CO01-CA)
EMI Test Receiver	R&S	ESR7	102177	9kHz~7GHz	May 23, 2023	Aug. 02, 2023	May 22, 2024	Conduction (CO01-CA)
Pulse limiter with 10dB attenuation	R&S	VTSD 9561-F N	9561-F-N00412	N/A	Jun. 05, 2023	Aug. 02, 2023	Jun. 04, 2024	Conduction (CO01-CA)
LISN Cable	HUBER+SUHNER	RG-214/U	LISN cable -01	N/A	Jun. 05, 2023	Aug. 02, 2023	Jun. 04, 2024	Conduction (CO01-CA)
Test Software	R&S	EMC32 V10.30.0	N/A	N/A	N/A	Aug. 02, 2023	N/A	Conduction (CO01-CA)



5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.7 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.6 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.2 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.1 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Venkata Kondepudi	Temperature:	22.2~23.8	°C
Test Date:	2023/08/09~2023/08/23	Relative Humidity:	51.2~54.4	%

EIRP

BW	Freq (MHz)	Conducted power carrier 0 (dBm)	Conducted power carrier 1 (dBm)	Conducted power (dBm)	MIMO Factor (dB)	Directional Gain (dBi)	Total Conducted Power (dBm)	Total EIRP (dBm)	EIRP Limit (dBm)
40MHz	5965			9.01	9.03	17.91	18.04	35.95	36
	6165			8.99	9.03	17.91	18.02	35.93	36
	6405			8.99	9.03	17.91	18.02	35.93	36
40 + 40MHz contiguous	5965+6005			9.03	9.03	17.91	18.06	35.97	36
	6165+6205			9.04	9.03	17.91	18.07	35.98	36
	6365+6405			8.97	9.03	17.91	18.00	35.91	36
40 + 40MHz non-contiguous	5965+6405	5.96	6.04	9.01	9.03	17.91	18.04	35.95	36

EIRP PSD

BW	Freq	Condcuted PSD carrier 0 (dBm/MHz)	Condcuted PSD carrier 1 (dBm/MHz)	Condcuted PSD (dBm/MHz)	MIMO Factor (dB)	Directional Gain (dBi)	Total Conducted PSD (dBm/MHz)	Total EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)
40MHz	5965			-6.14	9.03	17.91	2.89	20.80	23
	6165			-5.9	9.03	17.91	3.13	21.04	23
	6405			-6.12	9.03	17.91	2.91	20.82	23
40 + 40MHz contiguous	5965+6005			-8.84	9.03	17.91	0.19	18.10	23
	6165+6205			-8.9	9.03	17.91	0.13	18.04	23
	6365+6405			-8.29	9.03	17.91	0.74	18.65	23
40 + 40MHz non-contiguous	5965+6405	-8.99	-6.81	-6.81	9.03	17.91	2.22	20.13	23

Note:

Antenna Gain = 14.9dBi

The device is driving cross-polarized antenna, which has 4 horizontal polarization antenna and 4 vertical polarization antenna

Directional Gain (4H/4V) = 14.9dBi + 10log(Ntx = 4 / Nss = 2) = 17.91dBi

Bandwidth

BW	Freq	26dB BW carrier 0 (MHz)	26dB BW carrier 1 (MHz)	26dB BW (MHz)
40MHz	5965			38.27
	6165			38.27
	6405			38.27
40 + 40MHz contiguous	5965+6005			79.92
	6165+6205			79.90
	6365+6405			79.92
40 + 40MHz non-contiguous	5965+6405	38.28	38.25	76.53

OBW carrier 0 (MHz)	OBW carrier 1 (MHz)	OBW (MHz)
		37.46
		37.56
		37.46
		76.96
		76.96
		76.96
37.56	37.46	75.02

EIRP

BW	Freq (MHz)	Conducted power carrier 0 (dBm)	Conducted power carrier 1 (dBm)	Conducted power (dBm)	MIMO Factor (dB)	Directional Gain (dBi)	Total Conducted Power (dBm)	Total EIRP (dBm)	EIRP Limit (dBm)
40MHz	6545			8.87	9.03	18.01	17.90	35.91	36
	6685			8.95	9.03	18.01	17.98	35.99	36
	6855			8.95	9.03	18.01	17.98	35.99	36
40 + 40MHz contiguous	6545+6585			8.93	9.03	18.01	17.96	35.97	36
	6685+6725			8.95	9.03	18.01	17.98	35.99	36
	6815+6855			8.93	9.03	18.01	17.96	35.97	36
40 + 40MHz non-contiguous	6545+6855	5.94	5.92	8.94	9.03	18.01	17.97	35.98	36

EIRP PSD

BW	Freq	Conducted PSD carrier 0 (dBm/MHz)	Conducted PSD carrier 1 (dBm/MHz)	Conducted PSD (dBm/MHz)	MIMO Factor (dB)	Directional Gain (dBi)	Total Conducted PSD (dBm/MHz)	Total EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)
40MHz	6545			-6.24	9.03	18.01	2.79	20.80	23
	6685			-5.92	9.03	18.01	3.11	21.12	23
	6855			-6.32	9.03	18.01	2.71	20.72	23
40 + 40MHz contiguous	6545+6585			-8.11	9.03	18.01	0.92	18.93	23
	6685+6725			-8.72	9.03	18.01	0.31	18.32	23
	6815+6855			-8.82	9.03	18.01	0.21	18.22	23
40 + 40MHz non-contiguous	6545+6855	-9.2	-8.74	-8.74	9.03	18.01	0.29	18.30	23

Note:

Antenna Gain = 15dBi

The device is driving cross-polarized antenna, which has 4 horizontal polarization antenna and 4 vertical polarization antenna

Directional Gain (4H/4V) = 15dBi + 10log(Ntx = 4 / Nss = 2) = 18.01dBi

Bandwidth

BW	Freq	26dB BW carrier 0 (MHz)	26dB BW carrier 1 (MHz)	26dB BW (MHz)
40MHz	6545			38.27
	6685			38.27
	6855			38.27
40 + 40MHz contiguous	6545+6585			79.98
	6685+6725			79.92
	6815+6855			79.94
40 + 40MHz non-contiguous	6545+6855	38.23	38.28	76.51

OBW carrier 0 (MHz)	OBW carrier 1 (MHz)	OBW (MHz)
		37.46
		37.46
		37.46
		76.96
		76.96
		76.96
37.46	37.46	74.92



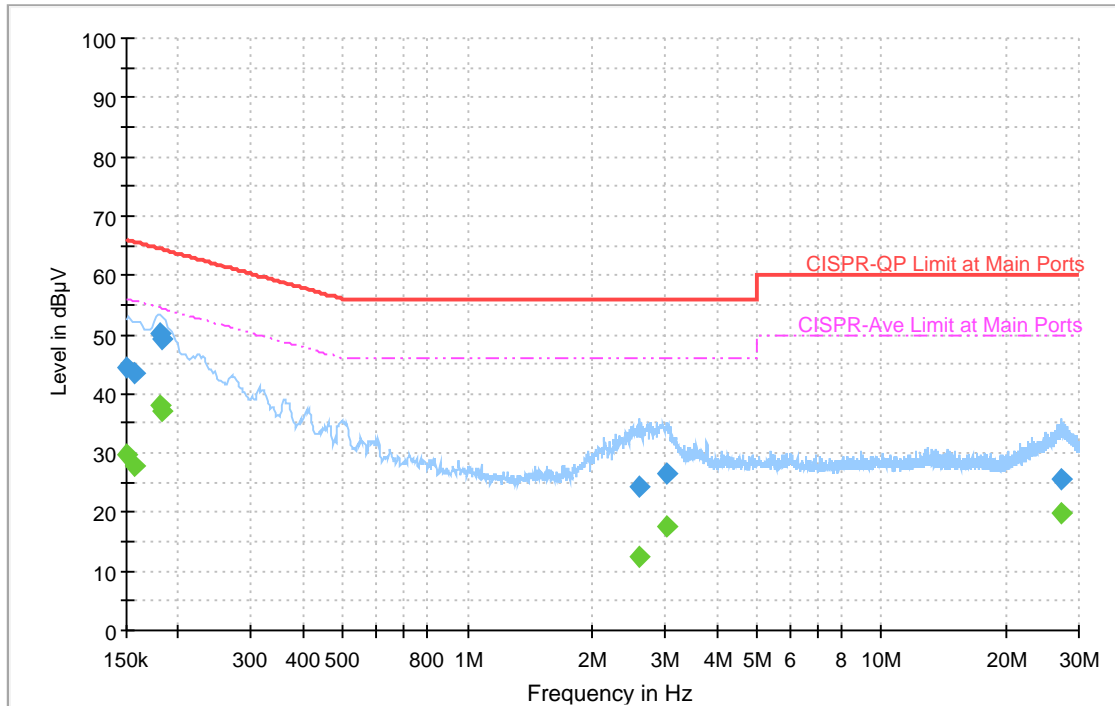
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Fu Chen	Temperature :	22.1~24.5°C
		Relative Humidity :	41.5~50.5%

EUT Information

Site: CO01-CA
 Power: 120Vac/60Hz
 Project: 230713001
 L1

Full Spectrum



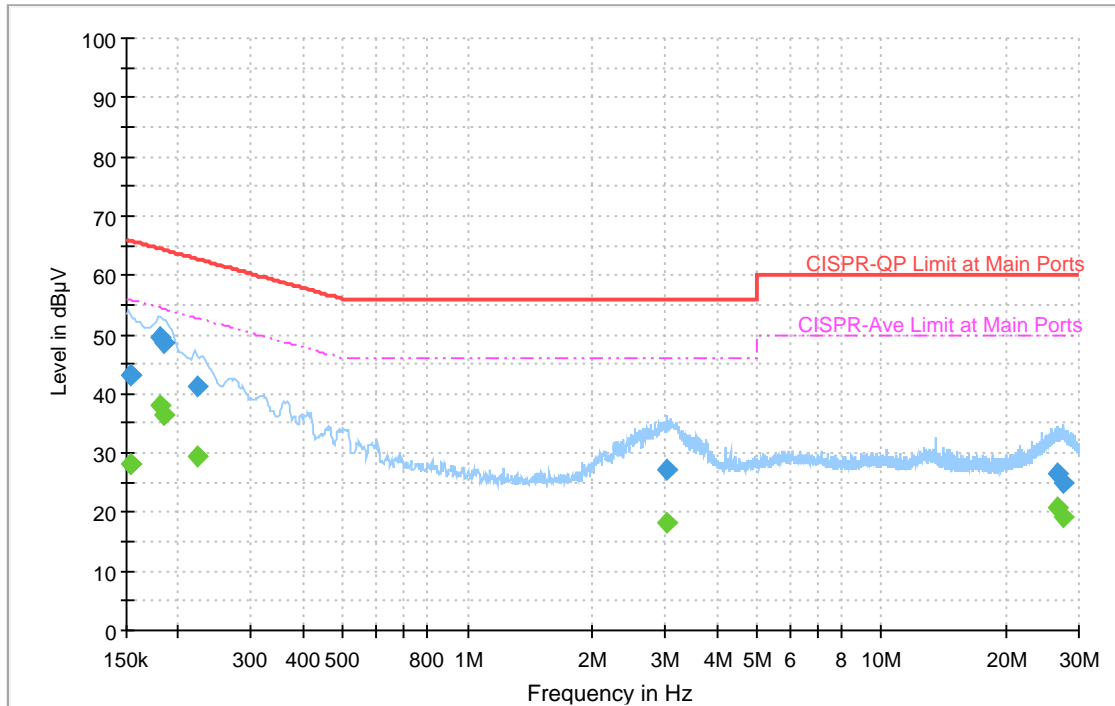
Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150115	---	29.68	55.99	26.31	L1	OFF	20.2
0.150115	44.56	---	65.99	21.43	L1	OFF	20.2
0.156993	---	27.73	55.62	27.89	L1	OFF	20.2
0.156993	43.39	---	65.62	22.23	L1	OFF	20.2
0.180618	---	38.15	54.46	16.31	L1	OFF	20.2
0.180618	50.29	---	64.46	14.17	L1	OFF	20.2
0.183309	---	36.97	54.33	17.36	L1	OFF	20.2
0.183309	49.06	---	64.33	15.27	L1	OFF	20.2
2.604399	---	12.47	46.00	33.53	L1	OFF	20.3
2.604399	24.28	---	56.00	31.72	L1	OFF	20.3
3.022773	---	17.43	46.00	28.57	L1	OFF	20.3
3.022773	26.52	---	56.00	29.48	L1	OFF	20.3
27.156336	---	19.94	50.00	30.06	L1	OFF	20.7
27.156336	25.53	---	60.00	34.47	L1	OFF	20.7

EUT Information

Site: CO01-CA
 Power: 120Vac/60Hz
 Project: 230713001
 N

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.153821	---	28.26	55.79	27.53	N	OFF	20.2
0.153821	43.21	---	65.79	22.58	N	OFF	20.2
0.153881	---	28.27	55.79	27.52	N	OFF	20.2
0.153881	43.25	---	65.79	22.54	N	OFF	20.2
0.181131	---	37.93	54.43	16.50	N	OFF	20.2
0.181131	49.52	---	64.43	14.91	N	OFF	20.2
0.184281	---	36.33	54.29	17.96	N	OFF	20.2
0.184281	48.49	---	64.29	15.80	N	OFF	20.2
0.222918	---	29.55	52.71	23.16	N	OFF	20.2
0.222918	41.27	---	62.71	21.44	N	OFF	20.2
3.023466	---	18.15	46.00	27.85	N	OFF	20.3
3.023466	27.27	---	56.00	28.73	N	OFF	20.3
26.486223	---	20.66	50.00	29.34	N	OFF	20.7
26.486223	26.36	---	60.00	33.64	N	OFF	20.7
27.355956	---	19.09	50.00	30.91	N	OFF	20.7
27.355956	24.79	---	60.00	35.21	N	OFF	20.7



Appendix C. Radiated Spurious Emission

Test Engineer :	Yuan Lee and Fu Chen	Temperature :	21.9~24.2°C
		Relative Humidity :	39.2~50.6%

UNII-5 - 5925~6425MHz

Single carrier_40M (Band Edge @ 3m)

Ant.	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
8Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
Single carrier 40M 5965 MHz		5921.64	70.72	-17.48	88.2	54.11	34.25	12.09	29.73	188	189	P	H	
		5924.7	62.21	-5.99	68.2	45.61	34.25	12.09	29.74	188	189	A	H	
	*	5965	121.05	-	-	104.48	34.22	12.11	29.76	188	189	P	H	
	*	5965	112.21	-	-	95.64	34.22	12.11	29.76	188	189	A	H	
		7727	52.51	-1.49	54	32.08	36.62	13.85	30.04	188	189	A	H	
														H
			5919.3	66.7	-21.5	88.2	50.09	34.25	12.09	29.73	203	162	P	V
			5924.7	58.09	-10.11	68.2	41.49	34.25	12.09	29.74	203	162	A	V
		*	5965	119.16	-	-	102.59	34.22	12.11	29.76	203	162	P	V
		*	5965	110.21	-	-	93.64	34.22	12.11	29.76	203	162	A	V
Single carrier 40M 6165 MHz		7741	52.53	-1.47	54	32.08	36.66	13.86	30.07	203	162	A	V	
													V	
		*	6165	122.63	-	-	106.11	34.23	12.32	30.03	186	179	P	H
		*	6165	113.91	-	-	97.39	34.23	12.32	30.03	186	179	A	H
			7286	52.38	-1.62	54	31.92	37.02	13.43	29.99	186	179	A	H
														H
		*	6165	113.6	-	-	97.08	34.23	12.32	30.03	204	187	P	V
		*	6165	112.33	-	-	95.81	34.23	12.32	30.03	204	187	A	V
		7321	52.64	-1.36	54	32.15	36.91	13.45	29.87	204	187	A	V	
													V	



Ant. 8Tx	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)
Single carrier 40M 6405 MHz	*	6405	121.92	-	-	105.29	34.7	12.48	30.55	184	180	P	H
	*	6405	113.37	-	-	96.74	34.7	12.48	30.55	184	180	A	H
		7349	52.36	-1.64	54	31.89	36.78	13.47	29.78	184	180	A	H
													H
													H
													H
	*	6405	117.45	-	-	100.82	34.7	12.48	30.55	174	184	P	V
	*	6405	113.77	-	-	97.14	34.7	12.48	30.55	174	184	A	V
		7286	52.56	-1.44	54	32.1	37.02	13.43	29.99	174	184	A	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-5 5925~6425MHz
Single carrier_40M (Harmonic @ 3m)

Ant. 8Tx	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)	
Single carrier 40M 5965 MHz		11930	47.18	-26.82	74	57.86	38.77	17.2	66.65	-	-	P	H	
		17895	53.71	-20.29	74	59.31	42.65	21.28	69.53	-	-	P	H	
		17895	43.6	-10.4	54	49.2	42.65	21.28	69.53	-	-	A	H	
													H	
			11930	47.88	-26.12	74	58.56	38.77	17.2	66.65	-	-	P	V
			17895	53.28	-20.72	74	58.88	42.65	21.28	69.53	-	-	P	V
			17895	43.59	-10.41	54	49.19	42.65	21.28	69.53	-	-	A	V
													V	
Single carrier 40M 6165 MHz		12330	47.84	-26.16	74	57.91	39.05	17.51	66.63	-	-	P	H	
		18495	36.79	-37.21	74	41.08	37.59	11.9	53.78	-	-	P	H	
													H	
													H	
			12330	47.76	-26.24	74	57.83	39.05	17.51	66.63	-	-	P	V
			18495	36.03	-37.97	74	40.25	37.66	11.9	53.78	-	-	P	V
														V
													V	
Single carrier 40M 6405MHz		12810	48.77	-39.43	88.2	58.19	39.5	17.93	66.85	-	-	P	H	
		19215	34.93	-39.07	74	39.01	37.53	12.43	54.04	-	-	P	H	
													H	
													H	
			12810	48.69	-39.51	88.2	58.11	39.5	17.93	66.85	-	-	P	V
			19215	35.34	-38.66	74	39.35	37.6	12.43	54.04	-	-	P	V
														V
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. 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_contiguous 40M+40M (Band Edge @ 3m)

Ant. 8Tx	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 5965MHz +6005MHz		5924.34	69.88	-18.32	88.2	53.28	34.25	12.09	29.74	191	180	P	H
		5924.6	60.25	-7.95	68.2	43.65	34.25	12.09	29.74	191	180	A	H
	*	5965	119.32	-	-	102.75	34.22	12.11	29.76	191	180	P	H
	*	6005	113.45	-	-	96.9	34.21	12.14	29.8	191	180	P	H
	*	5965	110.31	-	-	93.74	34.22	12.11	29.76	191	180	A	H
	*	6005	109.25	-	-	92.7	34.21	12.14	29.8	191	180	A	H
		7286	52.43	-1.57	54	31.97	37.02	13.43	29.99	191	180	A	H
		5924.08	63.75	-24.45	88.2	47.15	34.25	12.09	29.74	203	175	P	V
		5925	54.63	-13.57	68.2	38.03	34.25	12.09	29.74	203	175	A	V
	*	5965	113.18	-	-	96.61	34.22	12.11	29.76	203	175	P	V
	*	6005	115.4	-	-	98.85	34.21	12.14	29.8	203	175	P	V
	*	5965	104.23	-	-	87.66	34.22	12.11	29.76	203	175	A	V
	*	6005	107.35	-	-	90.8	34.21	12.14	29.8	203	175	A	V
		7279	52.39	-1.61	54	31.94	37.03	13.43	30.01	203	175	A	V
	Multiple carrier_contiguous 40M+40M 6165MHz +6205MHz	*	6165	119	-	-	102.48	34.23	12.32	30.03	188	178	P
*		6205	113.45	-	-	96.96	34.25	12.36	30.12	188	178	P	H
*		6165	109.74	-	-	93.22	34.23	12.32	30.03	188	178	A	H
*		6205	105.13	-	-	88.64	34.25	12.36	30.12	188	178	A	H
		7279	52.5	-1.5	54	32.05	37.03	13.43	30.01	188	178	A	H
													H
*		6165	111.04	-	-	94.52	34.23	12.32	30.03	182	181	P	V
*		6205	119.11	-	-	102.62	34.25	12.36	30.12	182	181	P	V
*		6165	102.28	-	-	85.76	34.23	12.32	30.03	182	181	A	V
*		6205	110.21	-	-	93.72	34.25	12.36	30.12	182	181	A	V
	7258	52.56	-1.44	54	32.17	37.06	13.41	30.08	182	181	A	V	
												V	



Ant. 8Tx	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 6365MHz +6405MHz	*	6365	117.44	-	-	100.88	34.61	12.45	30.5	186	180	P	H	
	*	6405	114.87	-	-	98.24	34.7	12.48	30.55	186	180	P	H	
	*	6365	108.58	-	-	92.02	34.61	12.45	30.5	186	180	A	H	
	*	6405	106.13	-	-	89.5	34.7	12.48	30.55	186	180	A	H	
			7265	52.74	-1.26	54	32.33	37.05	13.42	30.06	186	180	A	H
														H
														H
	*		6365	114.12	-	-	97.56	34.61	12.45	30.5	178	181	P	V
	*		6405	118.83	-	-	102.2	34.7	12.48	30.55	178	181	P	V
	*		6365	105.33	-	-	88.77	34.61	12.45	30.5	178	181	A	V
	*		6405	110	-	-	93.37	34.7	12.48	30.55	178	181	A	V
			7741	52.53	-1.47	54	32.08	36.66	13.86	30.07	178	181	A	V
														V
														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 (Harmonic @ 3m)

Ant. 8Tx	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 5965MHz +6005MHz		11930	48.13	-25.87	74	58.81	38.77	17.2	66.65	-	-	P	H	
		11930	38.13	-15.87	54	48.81	38.77	17.2	66.65	-	-	A	H	
		12010	48.78	-25.22	74	58.98	38.96	17.24	66.4	-	-	P	H	
		12010	38.7	-15.3	54	48.9	38.96	17.24	66.4	-	-	A	H	
		17895	53.41	-20.59	74	59.01	42.65	21.28	69.53	-	-	P	H	
		17895	43.84	-10.16	54	49.44	42.65	21.28	69.53	-	-	A	H	
		18015	30.38	-43.62	74	35.19	37.32	11.61	53.74	-	-	P	H	
		11930	47.73	-26.27	74	58.41	38.77	17.2	66.65	-	-	P	V	
		12010	48.59	-25.41	74	58.79	38.96	17.24	66.4	-	-	P	V	
		12010	38.72	-15.28	54	48.92	38.96	17.24	66.4	-	-	A	V	
		17895	53.28	-20.72	74	58.88	42.65	21.28	69.53	-	-	P	V	
		17895	43.93	-10.07	54	49.53	42.65	21.28	69.53	-	-	A	V	
	Multiple carrier_contiguous 40M+40M 6165MHz +6205MHz		11930	48.13	-25.87	74	58.81	38.77	17.2	66.65	-	-	P	H
			11930	38.13	-15.87	54	48.81	38.77	17.2	66.65	-	-	A	H
		12010	48.78	-25.22	74	58.98	38.96	17.24	66.4	-	-	P	H	
		12010	38.7	-15.3	54	48.9	38.96	17.24	66.4	-	-	A	H	
		17895	53.41	-20.59	74	59.01	42.65	21.28	69.53	-	-	P	H	
		17895	43.84	-10.16	54	49.44	42.65	21.28	69.53	-	-	A	H	
		18015	30.38	-43.62	74	35.19	37.32	11.61	53.74	-	-	P	H	
		11930	47.73	-26.27	74	58.41	38.77	17.2	66.65	-	-	P	V	
		12010	48.59	-25.41	74	58.79	38.96	17.24	66.4	-	-	P	V	
		12010	38.72	-15.28	54	48.92	38.96	17.24	66.4	-	-	A	V	
		17895	53.28	-20.72	74	58.88	42.65	21.28	69.53	-	-	P	V	
		17895	43.93	-10.07	54	49.53	42.65	21.28	69.53	-	-	A	V	
		18015	30.58	-43.42	74	35.28	37.43	11.61	53.74	-	-	P	V	



Ant. 8Tx	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 6365MHz +6405MHz		12730	49	-39.2	88.2	58.3	39.31	17.86	66.47	-	-	P	H	
		12810	48.36	-39.84	88.2	57.78	39.5	17.93	66.85	-	-	P	H	
		19095	26.69	-47.31	74	30.74	37.64	12.3	53.99	-	-	P	H	
		19215	26.93	-47.07	74	31.01	37.53	12.43	54.04	-	-	P	H	
													H	
														H
			12730	48.52	-39.68	88.2	57.82	39.31	17.86	66.47	-	-	P	V
			12810	48.46	-39.74	88.2	57.88	39.5	17.93	66.85	-	-	P	V
			19095	28.4	-45.6	74	32.38	37.71	12.3	53.99	-	-	P	V
			19215	26.75	-47.25	74	30.76	37.6	12.43	54.04	-	-	P	V
														V
														V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. 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 (Band Edge @ 3m)

Ant. 8Tx	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 5965MHz +6405MHz		5925	66.78	-21.42	88.2	50.18	34.25	12.09	29.74	194	180	P	H
		5925	59.23	-8.97	68.2	42.63	34.25	12.09	29.74	194	180	A	H
	*	5965	118.18	-	-	101.61	34.22	12.11	29.76	194	180	P	H
	*	6405	115.18	-	-	98.55	34.7	12.48	30.55	194	180	P	H
	*	5965	109.33	-	-	92.76	34.22	12.11	29.76	194	180	A	H
	*	6405	109.42	-	-	92.79	34.7	12.48	30.55	194	180	A	H
		7279	52.53	-1.47	54	32.08	37.03	13.43	30.01	194	180	A	H
		5925	64.54	-23.66	88.2	47.94	34.25	12.09	29.74	204	176	P	V
		5925	54.25	-13.95	68.2	37.65	34.25	12.09	29.74	204	176	A	V
	*	5965	112.11	-	-	95.54	34.22	12.11	29.76	204	176	P	V
	*	6405	115.52	-	-	98.89	34.7	12.48	30.55	204	176	P	V
	*	5965	103.9	-	-	87.33	34.22	12.11	29.76	204	176	A	V
	*	6405	107.25	-	-	90.62	34.7	12.48	30.55	204	176	A	V
		7349	52.5	-1.5	54	32.03	36.78	13.47	29.78	204	176	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 (Harmonic @ 3m)

Ant. 8Tx	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 5965MHz +6405MHz		11930	48.63	-25.37	74	59.31	38.77	17.2	66.65	-	-	P	H
		11930	38.6	-15.4	54	49.28	38.77	17.2	66.65	-	-	A	H
		12810	50.36	-37.84	88.2	59.78	39.5	17.93	66.85	-	-	P	H
		17895	53.95	-20.05	74	59.55	42.65	21.28	69.53	-	-	P	H
		17895	43.85	-10.15	54	49.45	42.65	21.28	69.53	-	-	A	H
		19215	27.44	-46.56	74	31.52	37.53	12.43	54.04	-	-	P	H
		11930	47.68	-26.32	74	58.36	38.77	17.2	66.65	-	-	P	V
		12810	49.56	-38.64	88.2	58.98	39.5	17.93	66.85	-	-	P	V
		17895	53.89	-20.11	74	59.49	42.65	21.28	69.53	-	-	P	V
		17895	43.86	-10.14	54	49.46	42.65	21.28	69.53	-	-	A	V
		19215	28.22	-45.78	74	32.23	37.6	12.43	54.04	-	-	P	V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 												



UNII-7 - 6525~6875MHz

Single carrier_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.	
8Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
Single carrier 40M 6545MHz	*	6545	118.97	-	-	101.77	35.3	12.64	30.74	188	181	P	H
	*	6545	110.72	-	-	93.52	35.3	12.64	30.74	188	181	A	H
		7286	52.52	-1.48	54	32.06	37.02	13.43	29.99	188	181	P	H
													H
	*	6545	118.38	-	-	101.18	35.3	12.64	30.74	189	179	P	V
	*	6545	109.85	-	-	92.65	35.3	12.64	30.74	189	179	A	V
		7286	52.32	-1.68	54	31.86	37.02	13.43	29.99	189	179	P	V
													V
Single carrier 40M 6685MHz	*	6685	118.87	-	-	100.93	36.01	12.81	30.88	192	181	P	H
	*	6685	110.65	-	-	92.71	36.01	12.81	30.88	192	181	A	H
		7272	52.38	-1.62	54	31.95	37.04	13.42	30.03	192	181	P	H
													H
	*	6685	118.43	-	-	100.49	36.01	12.81	30.88	192	179	P	V
	*	6685	109.64	-	-	91.7	36.01	12.81	30.88	192	179	A	V
		7300	52.38	-1.62	54	31.88	37	13.44	29.94	192	179	P	V
													V
Single carrier 40M 6855MHz	*	6855	117.91	-	-	100.03	35.93	12.99	31.04	191	182	P	H
	*	6855	109.35	-	-	91.47	35.93	12.99	31.04	191	182	A	H
		7328	52.37	-1.63	54	31.88	36.88	13.46	29.85	191	182	A	H
		7232.85	59.91	-28.29	88.2	39.68	37.01	13.39	30.17	191	182	P	H
		7242.75	50.14	-18.06	68.2	29.83	37.04	13.4	30.13	191	182	A	H
	*	6855	118.38	-	-	100.5	35.93	12.99	31.04	187	180	P	V
	*	6855	109.88	-	-	92	35.93	12.99	31.04	187	180	A	V
		7328	52.32	-1.68	54	31.83	36.88	13.46	29.85	187	180	A	V
		7141.05	59.55	-28.65	88.2	40.19	36.59	13.28	30.51	187	180	P	V
		7245	50.09	-18.11	68.2	29.76	37.05	13.4	30.12	187	180	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII 7 - 6525~6875MHz
Single carrier_40M (Harmonic @ 3m)

Ant. 8Tx	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)
Single carrier 40M 6545MHz		13090	49.67	-38.53	88.2	58.78	39.74	18.13	66.98	-	-	P	H
		19635	37.79	-36.21	74	39.18	37.48	12.85	51.72	-	-	P	H
													H
													H
		13090	48.84	-39.36	88.2	57.95	39.74	18.13	66.98	-	-	P	V
		19635	37.94	-36.06	74	39.33	37.48	12.85	51.72	-	-	P	V
													V
Single carrier 40M 6685MHz		13370	50.33	-23.67	74	58.98	40.21	18.24	67.1	-	-	P	H
		13370	40.24	-13.76	54	48.89	40.21	18.24	67.1	-	-	A	H
		20055	37.59	-36.41	74	38.66	37.5	13.22	51.79	-	-	P	H
													H
		13370	50.52	-23.48	74	59.17	40.21	18.24	67.1	-	-	P	V
		13370	40.3	-13.7	54	48.95	40.21	18.24	67.1	-	-	A	V
		20055	37.58	-36.42	74	38.63	37.52	13.22	51.79	-	-	P	V
Single carrier 40M 6855MHz		13710	50.96	-37.24	88.2	59.18	40.7	18.37	67.29	-	-	P	H
		20565	39.42	-34.58	74	38.59	37.7	13.36	50.23	-	-	P	H
													H
													H
		13710	51.04	-37.16	88.2	59.26	40.7	18.37	67.29	-	-	P	V
		20565	40.5	-33.5	74	39.7	37.67	13.36	50.23	-	-	P	V
													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 (Band Edge @ 3m)

Ant. 8Tx	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 6545MHz +6585MHz	*	6545	116.27	-	-	99.07	35.3	12.64	30.74	184	182	P	H	
	*	6585	115.95	-	-	98.44	35.62	12.68	30.79	184	182	P	H	
	*	6545	107.47	-	-	90.27	35.3	12.64	30.74	184	182	A	H	
	*	6585	107.18	-	-	89.67	35.62	12.68	30.79	184	182	A	H	
			7300	52.5	-1.5	54	32	37	13.44	29.94	184	182	A	H
														H
	*	6545	115.21	-	-	98.01	35.3	12.64	30.74	181	179	P	V	
	*	6585	118.38	-	-	100.87	35.62	12.68	30.79	181	179	P	V	
	*	6545	106.52	-	-	89.32	35.3	12.64	30.74	181	179	A	V	
	*	6585	109.63	-	-	92.12	35.62	12.68	30.79	181	179	A	V	
			7307	52.47	-1.53	54	31.98	36.97	13.44	29.92	181	179	A	V
														V
	Multiple carrier_contiguous 40M+40M 6685MHz +6725MHz	*	6685	116.2	-	-	98.26	36.01	12.81	30.88	186	181	P	H
		*	6725	117.33	-	-	99.31	36.06	12.86	30.9	186	181	P	H
*		6685	107.43	-	-	89.49	36.01	12.81	30.88	186	181	A	H	
*		6725	108.7	-	-	90.68	36.06	12.86	30.9	186	181	A	H	
			7251	52.49	-1.51	54	32.11	37.07	13.41	30.1	186	181	A	H
														H
*		6685	114.62	-	-	96.68	36.01	12.81	30.88	194	177	P	V	
*		6725	118.85	-	-	100.83	36.06	12.86	30.9	194	177	P	V	
*		6685	106.09	-	-	88.15	36.01	12.81	30.88	194	177	A	V	
*		6725	110.17	-	-	92.15	36.06	12.86	30.9	194	177	A	V	
			7356	52.39	-1.61	54	31.93	36.75	13.48	29.77	194	177	A	V
													V	



Ant. 8Tx	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_40M+40M 6815MHz +6855MHz	*	6815	115.07	-	-	97.1	36	12.96	30.99	185	180	P	H	
	*	6855	117.04	-	-	99.16	35.93	12.99	31.04	185	180	P	H	
	*	6815	106.62	-	-	88.65	36	12.96	30.99	185	180	A	H	
	*	6855	108.64	-	-	90.76	35.93	12.99	31.04	185	180	A	H	
			7307	52.43	-1.57	54	31.94	36.97	13.44	29.92	185	180	A	H
			7232.85	61.41	-26.79	88.2	41.18	37.01	13.39	30.17	185	180	P	H
			7244.55	49.92	-18.28	68.2	29.6	37.05	13.4	30.13	185	180	A	H
	*		6815	113.88	-	-	95.91	36	12.96	30.99	185	177	P	V
	*		6855	118.1	-	-	100.22	35.93	12.99	31.04	185	177	P	V
	*		6815	105.45	-	-	87.48	36	12.96	30.99	185	177	A	V
	*		6855	109.78	-	-	91.9	35.93	12.99	31.04	185	177	A	V
			7307	52.42	-1.58	54	31.93	36.97	13.44	29.92	185	177	A	V
			7192.8	60.02	-28.18	88.2	40.13	36.85	13.36	30.32	185	177	P	V
			7243.2	49.95	-18.25	68.2	29.63	37.05	13.4	30.13	185	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 (Harmonic @ 3m)

Ant. 8Tx	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 6545MHz +6585MHz		13090	49.73	-38.47	88.2	58.84	39.74	18.13	66.98	-	-	P	H	
		13170	48.87	-39.33	88.2	58.2	39.8	18.15	67.28	-	-	P	H	
		19635	38.86	-35.14	74	40.25	37.48	12.85	51.72	-	-	P	H	
		19755	38.11	-35.89	74	39.2	37.46	12.96	51.51	-	-	P	H	
													H	
													H	
			13090	49.22	-38.98	88.2	58.33	39.74	18.13	66.98	-	-	P	V
			13170	49.31	-38.89	88.2	58.64	39.8	18.15	67.28	-	-	P	V
			19635	39.32	-34.68	74	40.71	37.48	12.85	51.72	-	-	P	V
			19755	38.06	-35.94	74	39.1	37.51	12.96	51.51	-	-	P	V
													V	
													V	
Multiple carrier_contiguous 40M+40M 6685MHz +6725MHz		13370	49.57	-24.43	74	58.22	40.21	18.24	67.1	-	-	P	H	
		13370	39.45	-14.55	54	48.1	40.21	18.24	67.1	-	-	A	H	
		13450	49.83	-38.37	88.2	57.62	40.55	18.27	66.61	-	-	P	H	
		20055	37.96	-36.04	74	39.03	37.5	13.22	51.79	-	-	P	H	
		20175	37.46	-36.54	74	38.68	37.57	13.26	52.05	-	-	P	H	
														H
			13370	49.42	-24.58	74	58.07	40.21	18.24	67.1	-	-	P	V
			13370	39.37	-14.63	54	48.02	40.21	18.24	67.1	-	-	A	V
			13450	50.56	-37.64	88.2	58.35	40.55	18.27	66.61	-	-	P	V
			20055	38.64	-35.36	74	39.69	37.52	13.22	51.79	-	-	P	V
		20175	38.28	-35.72	74	39.5	37.57	13.26	52.05	-	-	P	V	
													V	



Ant. 8Tx	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 6815MHz +6855MHz		13630	49.46	-38.74	88.2	57.54	40.73	18.33	67.14	-	-	P	H	
		13710	50.19	-38.01	88.2	58.41	40.7	18.37	67.29	-	-	P	H	
		20445	38.97	-35.03	74	38.94	37.63	13.33	50.93	-	-	P	H	
		20565	39.95	-34.05	74	39.12	37.7	13.36	50.23	-	-	P	H	
													H	
													H	
			13630	49.84	-38.36	88.2	57.92	40.73	18.33	67.14	-	-	P	V
			13710	51.06	-37.14	88.2	59.28	40.7	18.37	67.29	-	-	P	V
			20445	38.59	-35.41	74	38.6	37.59	13.33	50.93	-	-	P	V
			20565	40.06	-33.94	74	39.26	37.67	13.36	50.23	-	-	P	V
													V	
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. 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 (Band Edge @ 3m)

Ant. 8Tx	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 6545MHz +6855MHz		5839.41	59.48	-28.72	88.2	42.95	34.18	12.04	29.69	186	180	P	H	
		5913.78	50.29	-17.91	68.2	33.68	34.26	12.08	29.73	186	180	A	H	
	*	6545	115.69	-	-	98.49	35.3	12.64	30.74	186	180	P	H	
	*	6855	117.13	-	-	99.25	35.93	12.99	31.04	186	180	P	H	
	*	6545	107.24	-	-	90.04	35.3	12.64	30.74	186	180	A	H	
	*	6855	108.48	-	-	90.6	35.93	12.99	31.04	186	180	A	H	
		7300	52.56	-1.44	54	32.06	37	13.44	29.94	186	180	A	H	
		7175.08	63.62	-24.58	88.2	43.9	36.77	13.33	30.38	186	180	P	H	
		7165.96	54.5	-13.7	68.2	34.88	36.72	13.32	30.42	186	180	A	H	
														H
			5897.13	57	-31.2	88.2	40.38	34.27	12.07	29.72	187	177	P	V
			5924.88	48.17	-20.03	68.2	31.57	34.25	12.09	29.74	187	177	A	V
	*		6545	114.93	-	-	97.73	35.3	12.64	30.74	187	177	P	V
	*		6855	118.48	-	-	100.6	35.93	12.99	31.04	187	177	P	V
	*		6545	106.28	-	-	89.08	35.3	12.64	30.74	187	177	A	V
	*		6855	109.74	-	-	91.86	35.93	12.99	31.04	187	177	A	V
			7734	52.48	-1.52	54	32.04	36.64	13.85	30.05	187	177	A	V
			7162.16	66.01	-22.19	88.2	46.42	36.7	13.32	30.43	187	177	P	V
			7165.96	55.8	-12.4	68.2	36.18	36.72	13.32	30.42	187	177	A	V
														V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. 													



UNII 7 - 6525~6875MHz

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

Ant. 8Tx	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 6545MHz +6855MHz		13090	49	-39.2	88.2	58.11	39.74	18.13	66.98	-	-	P	H	
		13710	49.87	-38.33	88.2	58.09	40.7	18.37	67.29	-	-	P	H	
		19635	38.06	-35.94	74	39.45	37.48	12.85	51.72	-	-	P	H	
		20565	39.31	-34.69	74	38.48	37.7	13.36	50.23	-	-	P	H	
													H	
													H	
			13090	49.2	-39	88.2	58.31	39.74	18.13	66.98	-	-	P	V
			13710	50.1	-38.1	88.2	58.32	40.7	18.37	67.29	-	-	P	V
			19635	37.82	-36.18	74	39.21	37.48	12.85	51.72	-	-	P	V
			20565	39.33	-34.67	74	38.53	37.67	13.36	50.23	-	-	P	V
													V	
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 													



Emission below 1GHz

(LF @ 3m)

	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
8Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
LF		102.75	31.59	-11.91	43.5	45.34	16.48	1.97	32.2	-	-	P	H	
		117.3	31.3	-12.2	43.5	44.16	17.4	1.95	32.21	-	-	P	H	
		258.92	32.48	-13.52	46	41.98	19.93	2.76	32.19	-	-	P	H	
		581.93	39.8	-6.2	46	41.99	26	4.07	32.26	-	-	P	H	
		741.98	38.68	-7.32	46	38.01	28	4.75	32.08	-	-	P	H	
		985.45	43.65	-10.35	54	38.12	30.48	5.48	30.43	-	-	P	H	
														H
														H
													Q	V
			30	31.62	-8.38	40	37.89	25.1	0.8	32.17	-	-	P	V
			105.66	28.43	-15.07	43.5	41.82	16.87	1.96	32.22	-	-	P	V
			224	33.19	-12.81	46	47.18	15.7	2.56	32.25	-	-	P	V
			581.93	37.03	-8.97	46	39.22	26	4.07	32.26	-	-	P	V
			741.98	38.95	-7.05	46	38.28	28	4.75	32.08	-	-	P	V
														V
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against limit line. The emission position marked as "-" means no suspected emission found and emission level has at least 6dB margin against limit 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	Peak or Average
H/V	Horizontal or Vertical



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

Ant.	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
8Tx		(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”.

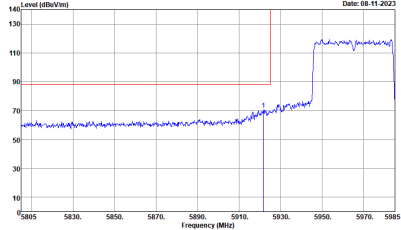
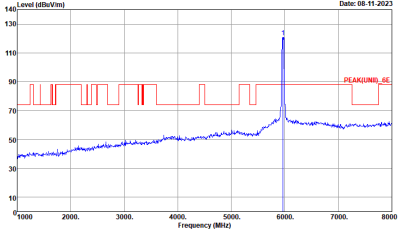
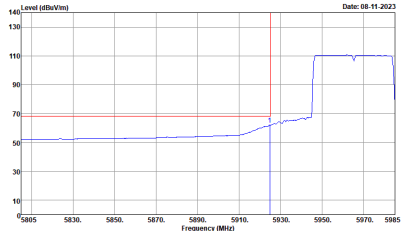
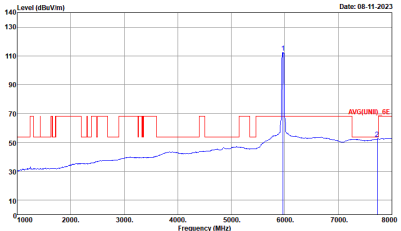


Appendix D. Radiated Spurious Emission Plots

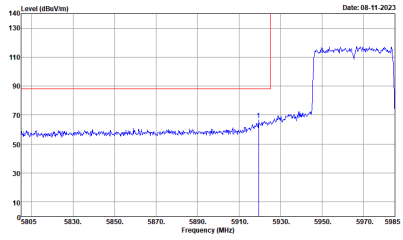
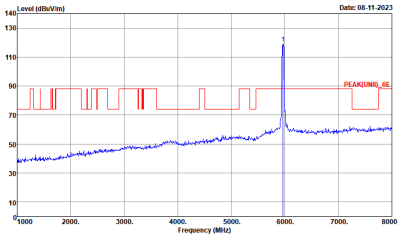
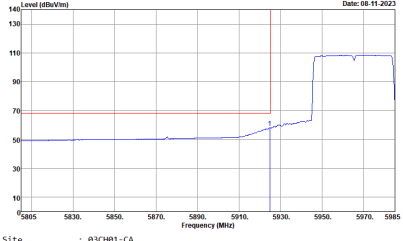
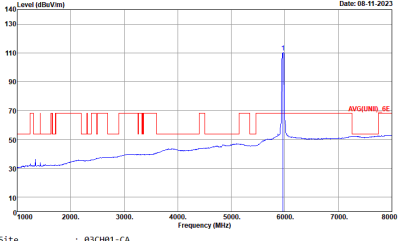
Test Engineer :	Yuan Lee and Fu Chen	Temperature :	21.9~24.2°C
		Relative Humidity :	39.2~50.6%



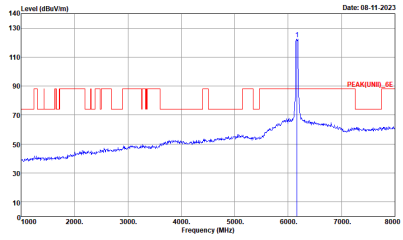
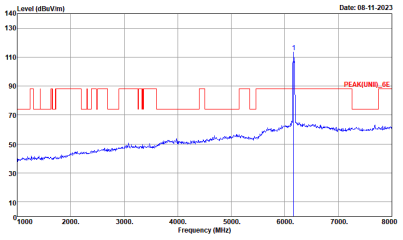
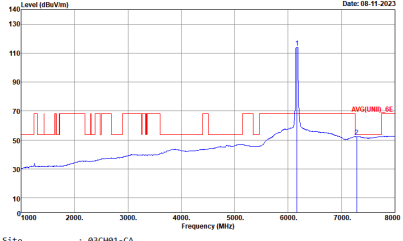
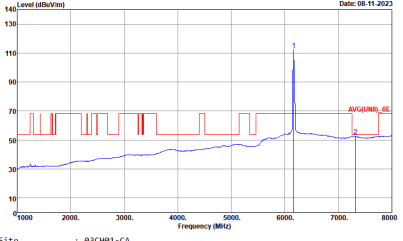
UNII-5 - 5925~6425MHz
Single carrier 40M (Band Edge @ 3m)

		UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	Single carrier 40M CH03 5965MHz		
8Tx	Horizontal	Fundamental	
Peak	 <p>Site : 03CH01-CA Condition : PEAK_BE(UNII)_GE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	 <p>Site : 03CH01-CA Condition : PEAK(UNII)_GE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	
Avg.	 <p>Site : 03CH01-CA Condition : AVG_BE(UNII)_GE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	 <p>Site : 03CH01-CA Condition : AVG(UNII)_GE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	

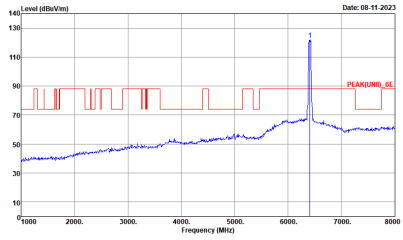
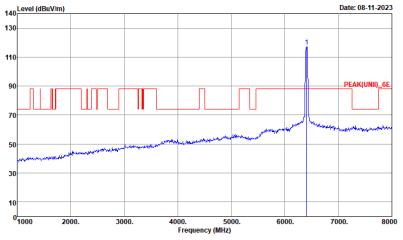
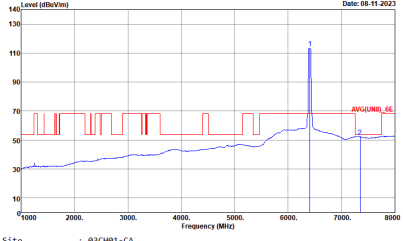
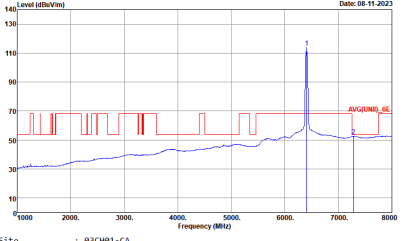


		UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	Single carrier 40M CH03 5965MHz		
8Tx	Vertical	Fundamental	
Peak	 <p>Site : 03CH01-CA Condition : PEAK_BE(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	 <p>Site : 03CH01-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	
Avg.	 <p>Site : 03CH01-CA Condition : AVG_BE(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	 <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	



		UNII-5 5925-6425MHz Fundamental @ 3m	
ANT	Single carrier 40M Full CH43 6165MHz		
8Tx	Horizontal	Vertical	
Peak	 <p>Level (dBV/m)</p> <p>Frequency (MHz)</p> <p>Date: 08-11-2023</p> <p>PEAK(UIN0)_6E</p> <p>Site : 03CH01-CA Condition : PEAK(UIN0)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	 <p>Level (dBV/m)</p> <p>Frequency (MHz)</p> <p>Date: 08-11-2023</p> <p>PEAK(UIN0)_6E</p> <p>Site : 03CH01-CA Condition : PEAK(UIN0)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	
	Avg.	 <p>Level (dBV/m)</p> <p>Frequency (MHz)</p> <p>Date: 08-11-2023</p> <p>AVG(UIN0)_6E</p> <p>Site : 03CH01-CA Condition : AVG(UIN0)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	 <p>Level (dBV/m)</p> <p>Frequency (MHz)</p> <p>Date: 08-11-2023</p> <p>AVG(UIN0)_6E</p> <p>Site : 03CH01-CA Condition : AVG(UIN0)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>



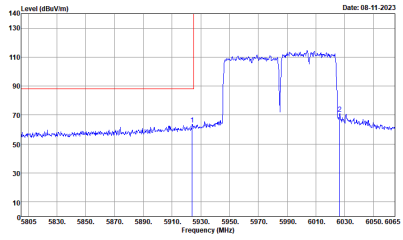
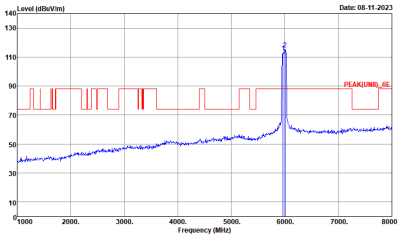
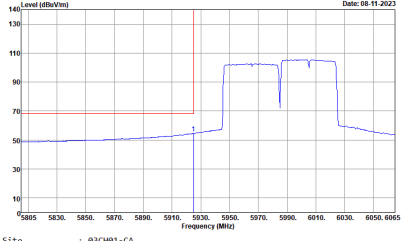
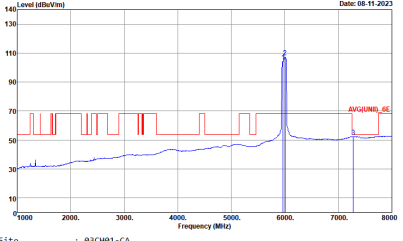
		UNII-5 5925-6425MHz Fundamental @ 3m	
ANT	Single carrier 40M Full CH91 6405MHz		
8Tx	Horizontal	Vertical	
Peak	 <p>Site : 03CH01-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	 <p>Site : 03CH01-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	
Avg.	 <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	 <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	



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

UNII-5 5925~6425MHz Band Edge @ 3m		
ANT	Multiple carrier_contiguous 40M+40M CH03+CH11 5965M+6005MHz	
8Tx	Horizontal	Fundamental
Peak	<p>Site : 03CH01-CA Condition : PEAK_BE(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	<p>Site : 03CH01-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>
	<p>Site : 03CH01-CA Condition : AVG_BE(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>

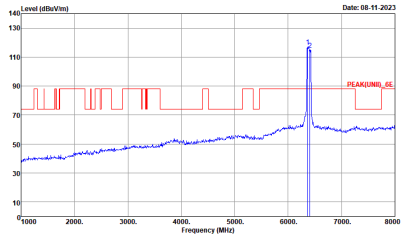
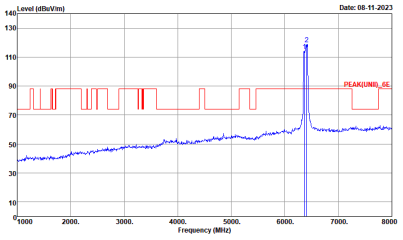
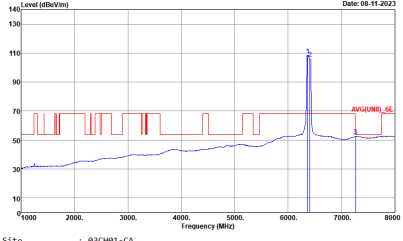
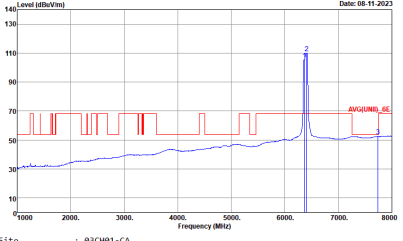


		UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH03+CH11 5965M+6005MHz		
8Tx	Vertical	Fundamental	
Peak	 <p>Level (dBm/100m) vs Frequency (MHz) plot for Peak Vertical. The plot shows a signal level around 90 dBm/100m from 5800 to 5925 MHz, then a sharp rise to approximately 110 dBm/100m between 5925 and 6005 MHz, followed by a drop. A red vertical line is at 5925 MHz.</p> <p>Site : 03CH01-CA Condition : PEAK_BE(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	 <p>Level (dBm/100m) vs Frequency (MHz) plot for Peak Fundamental. The plot shows a signal level around 90 dBm/100m from 1000 to 5925 MHz, then a sharp rise to approximately 110 dBm/100m at 6005 MHz, followed by a drop. A red vertical line is at 6005 MHz.</p> <p>Site : 03CH01-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	
Avg.	 <p>Level (dBm/100m) vs Frequency (MHz) plot for Avg Vertical. The plot shows a signal level around 90 dBm/100m from 5800 to 5925 MHz, then a sharp rise to approximately 110 dBm/100m between 5925 and 6005 MHz, followed by a drop. A red vertical line is at 5925 MHz.</p> <p>Site : 03CH01-CA Condition : AVG_BE(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	 <p>Level (dBm/100m) vs Frequency (MHz) plot for Avg Fundamental. The plot shows a signal level around 90 dBm/100m from 1000 to 5925 MHz, then a sharp rise to approximately 110 dBm/100m at 6005 MHz, followed by a drop. A red vertical line is at 6005 MHz.</p> <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	



		UNII-5 5925-6425MHz Fundamental @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH43+CH51 6165M+6205MHz		
8Tx	Horizontal	Vertical	
Peak	<p>Site : 03CH01-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	<p>Site : 03CH01-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	
	Avg.	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>



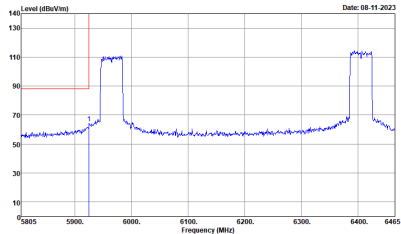
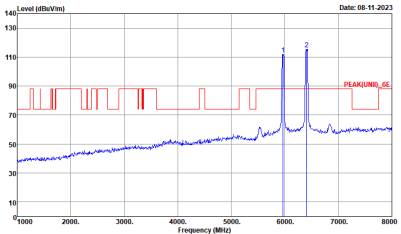
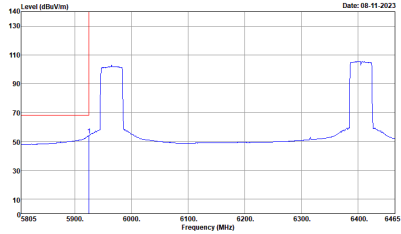
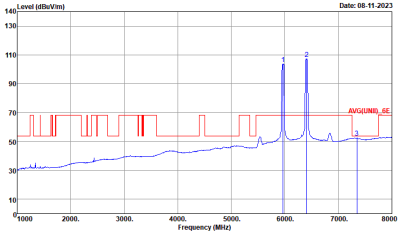
		UNII-5 5925-6425MHz Fundamental @ 3m	
ANT		Multiple carrier_contiguous 40M+40M CH83+CH91 6365M+6405MHz	
8Tx		Horizontal	Vertical
Peak		 <p>Level (dBm/100MHz) vs Frequency (MHz) for Horizontal Peak. The plot shows a red signal with a peak at approximately 6365 MHz and a blue noise floor. A red horizontal line indicates the peak level at approximately 85 dBm/100MHz.</p> <p>Site : 03CH01-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	 <p>Level (dBm/100MHz) vs Frequency (MHz) for Vertical Peak. The plot shows a red signal with a peak at approximately 6405 MHz and a blue noise floor. A red horizontal line indicates the peak level at approximately 85 dBm/100MHz.</p> <p>Site : 03CH01-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>
		 <p>Level (dBm/100MHz) vs Frequency (MHz) for Horizontal Average. The plot shows a red signal with a peak at approximately 6365 MHz and a blue noise floor. A red horizontal line indicates the average level at approximately 65 dBm/100MHz.</p> <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	 <p>Level (dBm/100MHz) vs Frequency (MHz) for Vertical Average. The plot shows a red signal with a peak at approximately 6405 MHz and a blue noise floor. A red horizontal line indicates the average level at approximately 65 dBm/100MHz.</p> <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>
Avg.			



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

Table with 2 columns (Horizontal, Fundamental) and 2 rows (Peak, Avg.) under the heading UNII-5 5925~6425MHz Band Edge @ 3m. Each cell contains a spectral plot and technical details like Site, Condition, and RBW.



		UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	Multiple carrier_non contiguous 40M+40M CH03+CH91 5965M+6405MHz		
8Tx	Vertical	Fundamental	
Peak	 <p>Site : 03CH01-CA Condition : PEAK_BE(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	 <p>Site : 03CH01-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	
Avg.	 <p>Site : 03CH01-CA Condition : AVG_BE(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	 <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	



UNII-5 - 5925~6425MHz
Single carrier 40M (Harmonic @ 3m)

UNII-5 5925~6425MHz Harmonic @ 3m		
ANT	Single carrier 40M CH03 5965MHz	
8Tx	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH01-CA Condition : PEAK(UNII)_GE 1m SHF_HORN_042_230717 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : PEAK(UNII)_GE 1m SHF_HORN_042_230717 VERTICAL</p>



		UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Single carrier 40M CH03 5965MHz		
8Tx	Horizontal	Vertical	
10.6G ~18G Avg.	<p>Date: 08-11-2023</p> <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p>	<p>Date: 08-11-2023</p> <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL</p>	
	38.6G ~40G Avg.	<p>Date: 08-16-2023</p> <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 1m SHF_HORN_842_230717 HORIZONTAL</p>	<p>Date: 08-16-2023</p> <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 1m SHF_HORN_842_230717 VERTICAL</p>



		UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Single carrier 40M Full CH43 6165MHz		
8Tx	Horizontal	Vertical	
<p>Peak</p> <p>Avg.</p>	<p>Site : 03CH01-CA Condition : PEAK(UNIT)_GE 1m SHF_HORN_842_230717 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : PEAK(UNIT)_GE 1m SHF_HORN_842_230717 VERTICAL</p>	



		UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Single carrier 40M Full CH43 6165MHZ		
8Tx	Horizontal	Vertical	
10.6G ~18G Avg.	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL</p>	
	38.6G ~40G Avg.	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 1m SHF_HORN_842_230717 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 1m SHF_HORN_842_230717 VERTICAL</p>



		UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Single carrier 40M Full CH91 6405MHz		
8Tx	Horizontal	Vertical	
<p>Peak</p> <p>Avg.</p>	<p>Site : 03CH01-CA Condition : PEAK(UNIT)_6E 1m SHF_HORN_842_230717 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : PEAK(UNIT)_6E 1m SHF_HORN_842_230717 VERTICAL</p>	



		UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Single carrier 40M Full CH91 6405MHZ		
8Tx	Horizontal	Vertical	
10.6G ~18G Avg.	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL</p>	
	38.6G ~40G Avg.	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 1m SHF_HORN_842_230717 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 1m SHF_HORN_842_230717 VERTICAL</p>



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

UNII-5 5925~6425MHz Harmonic @ 3m		
ANT	Multiple carrier_contiguous 40M+40M CH03+CH11 5965M+6005MHz	
8Tx	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH1-CA Condition : PEAK(UNII)_GE 1m SHF_HORN_842_230717 HORIZONTAL :</p>	<p>Site : 03CH1-CA Condition : PEAK(UNII)_GE 1m SHF_HORN_842_230717 VERTICAL :</p>



		UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH03+CH11 5965M+6005MHz		
8Tx	Horizontal	Vertical	
10.6G ~18G Avg.	<p>Site : 03CH01-CA Condition : AVG(UNI)_6E 1m SHF_HORN_842_230717 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNI)_6E 1m SHF_HORN_842_230717 VERTICAL</p>	
	<p>Site : 03CH01-CA Condition : AVG(UNI)_6E 3m HORN_02140_230109 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNI)_6E 3m HORN_02140_230109 VERTICAL</p>	
38.6G ~40G Avg.			



		UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH43+CH51 6165M+6205MHZ		
8Tx	Horizontal	Vertical	
<p>Peak</p> <p>Avg.</p>	<p>Site : 03CH01-CA Condition : PEAK(UNIT)_6E 1m SHF_HORN_842_230717 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : PEAK(UNIT)_6E 1m SHF_HORN_842_230717 VERTICAL</p>	



		UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH43+CH51 6165M+6205MHz		
8Tx	Horizontal	Vertical	
10.6G ~18G Avg.	<p>Site : 03CH01-CA Condition : AVG(UNI)_6E 1m SHF_HORN_842_230717 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNI)_6E 1m SHF_HORN_842_230717 VERTICAL</p>	
	<p>Site : 03CH01-CA Condition : AVG(UNI)_6E 3m HORN_02140_230109 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNI)_6E 3m HORN_02140_230109 VERTICAL</p>	
38.6G ~40G Avg.			



		UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH83+CH91 6365M+6405MHZ		
8Tx	Horizontal	Vertical	
Peak	<p>Site : 03CH01-CA Condition : PEAK(UNIT)_GE 1m SHF_HORH_842_230717 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : PEAK(UNIT)_GE 1m SHF_HORH_842_230717 VERTICAL</p>	
Avg.			



		UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH83+CH91 6365M+6405MHZ		
8Tx	Horizontal	Vertical	
10.6G ~18G Avg.	<p>Site : 03CH01-CA Condition : AVG(UNI)_6E 3m HORN_02140_230109 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNI)_6E 3m HORN_02140_230109 VERTICAL</p>	
	<p>Site : 03CH01-CA Condition : AVG(UNI)_6E 1m SHF_HORN_842_230717 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNI)_6E 1m SHF_HORN_842_230717 VERTICAL</p>	
38.6G ~40G Avg.			



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

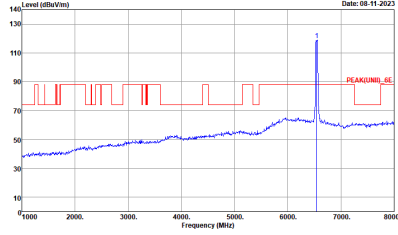
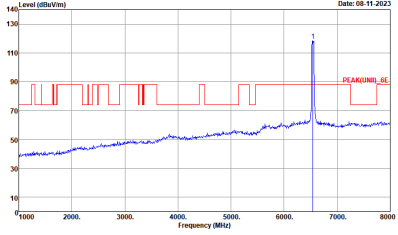
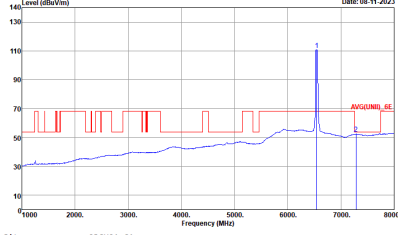
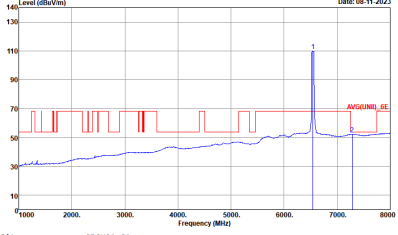
UNII-5 5925~6425MHz Harmonic @ 3m		
ANT	Multiple carrier_non contiguous 40M+40M CH03+CH91 5965M+6405MHz	
8Tx	Horizontal	Vertical
<p>Peak Avg.</p>	<p>Site : 03CH1-CA Condition : PEAK(UNII)_GE 1m SHF_HORN_842_230717 HORIZONTAL</p>	<p>Site : 03CH1-CA Condition : PEAK(UNII)_GE 1m SHF_HORN_842_230717 VERTICAL</p>



		UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Multiple carrier_non contiguous 40M+40M CH03+CH91 5965M+6405MHz		
8Tx	Horizontal	Vertical	
10.6G ~18G Avg.	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL</p>	
	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 1m SHF_HORN_842_230717 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 1m SHF_HORN_842_230717 VERTICAL</p>	
38.6G ~40G Avg.			



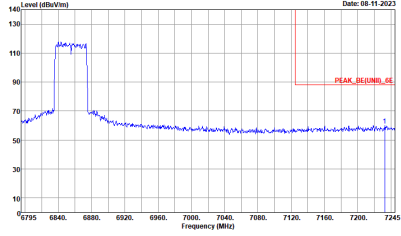
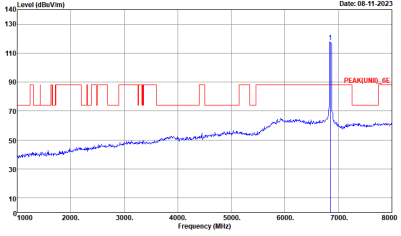
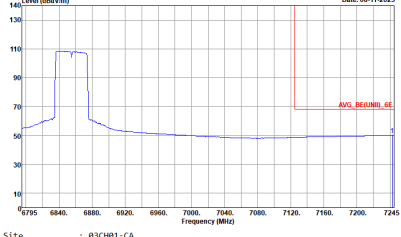
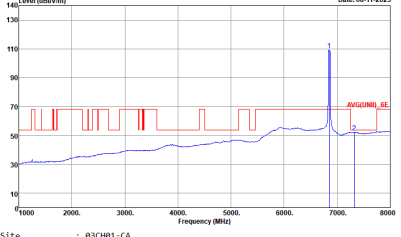
UNII-7 6525~6875MHz
Single carrier 40M (Band Edge @ 3m)

		UNII-7 6525~6875MHz Fundamental @ 3m	
ANT	Single carrier 40M CH119 6545MHz		
8Tx	Horizontal	Vertical	
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) for Horizontal orientation. Peak at 6545 MHz.</p> <p>Site : 03CH01-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) for Vertical orientation. Peak at 6545 MHz.</p> <p>Site : 03CH01-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) for Horizontal orientation. Average level at 6545 MHz.</p> <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) for Vertical orientation. Average level at 6545 MHz.</p> <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	



		UNII-7 6525-6875MHz Fundamental @ 3m	
ANT	Single carrier 40M CH147 6685MHz		
8Tx	Horizontal	Vertical	
Peak	<p>Level (dBm/100MHz) vs Frequency (MHz) for Horizontal orientation. Peak at 6685 MHz.</p> <p>Site : 03CH01-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	<p>Level (dBm/100MHz) vs Frequency (MHz) for Vertical orientation. Peak at 6685 MHz.</p> <p>Site : 03CH01-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	
	<p>Level (dBm/100MHz) vs Frequency (MHz) for Horizontal orientation. Average level at 6685 MHz.</p> <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	<p>Level (dBm/100MHz) vs Frequency (MHz) for Vertical orientation. Average level at 6685 MHz.</p> <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	



		UNII-7 6525~6875MHz Band Edge @ 3m	
ANT	Single carrier 40M Full CH181 6855MHz		
8Tx	Horizontal	Fundamental	
Peak	 <p>Level (dBm/100MHz) vs Frequency (MHz) plot for Peak Horizontal. The plot shows a sharp peak at approximately 6855 MHz. A red line indicates the peak level at approximately 115 dBm/100MHz. The x-axis ranges from 6795 to 7245 MHz, and the y-axis ranges from 10 to 140 dBm/100MHz.</p> <p>Site : 03CH01-CA Condition : PEAK_BE(UNII)_GE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	 <p>Level (dBm/100MHz) vs Frequency (MHz) plot for Peak Fundamental. The plot shows a sharp peak at approximately 6855 MHz. A red line indicates the peak level at approximately 115 dBm/100MHz. The x-axis ranges from 1000 to 8000 MHz, and the y-axis ranges from 10 to 140 dBm/100MHz.</p> <p>Site : 03CH01-CA Condition : PEAK(UNII)_GE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	
Avg.	 <p>Level (dBm/100MHz) vs Frequency (MHz) plot for Avg Horizontal. The plot shows a sharp peak at approximately 6855 MHz. A red line indicates the average level at approximately 115 dBm/100MHz. The x-axis ranges from 6795 to 7245 MHz, and the y-axis ranges from 10 to 140 dBm/100MHz.</p> <p>Site : 03CH01-CA Condition : AVG_BE(UNII)_GE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	 <p>Level (dBm/100MHz) vs Frequency (MHz) plot for Avg Fundamental. The plot shows a sharp peak at approximately 6855 MHz. A red line indicates the average level at approximately 115 dBm/100MHz. The x-axis ranges from 1000 to 8000 MHz, and the y-axis ranges from 10 to 140 dBm/100MHz.</p> <p>Site : 03CH01-CA Condition : AVG(UNII)_GE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	



		UNII-7 6525~6875MHz Band Edge @ 3m	
ANT	Single carrier 40M Full CH181 6855MHz		
8Tx	Vertical	Fundamental	
Peak	<p>Site : 03CH01-CA Condition : PEAK_BE(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	<p>Site : 03CH01-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	
	Avg.	<p>Site : 03CH01-CA Condition : AVG_BE(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>



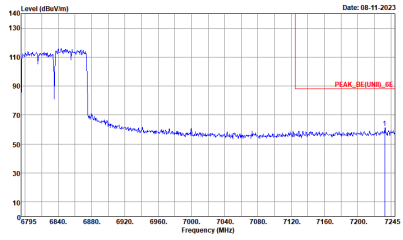
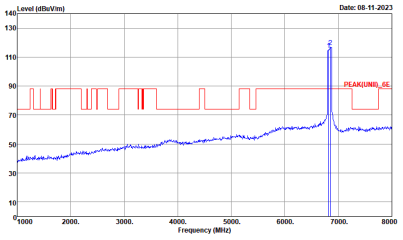
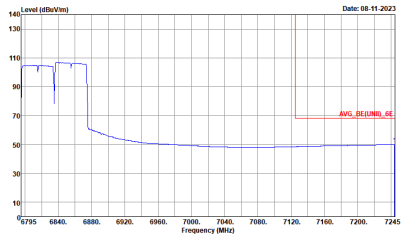
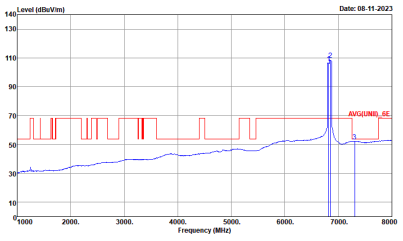
UNII-7 6525~6875MHz
Multiple carrier_contiguous 40M+40M (Band Edge @ 3m)

		UNII-7 6525~6875MHz Fundamental @ 3m	
ANT		Multiple carrier_contiguous 40M+40M CH119+CH127 6545M+6585MHz	
8Tx	Horizontal	Vertical	
Peak			
Avg.			



		UNII-7 6525-6875MHz Fundamental @ 3m	
ANT	Multiple carrier_contiguous 40M+40M Ch147+CH155 6685M+6725MHz		
8Tx	Horizontal	Vertical	
Peak	<p>Level (dBm/100MHz) vs Frequency (MHz) plot for Horizontal polarization. Shows a peak at approximately 6700 MHz. A red horizontal line indicates the peak level at approximately 90 dBm/100MHz. The plot includes a red waveform and a blue noise floor. Date: 08-11-2023.</p> <p>Site : 03CH01-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	<p>Level (dBm/100MHz) vs Frequency (MHz) plot for Vertical polarization. Shows a peak at approximately 6700 MHz. A red horizontal line indicates the peak level at approximately 90 dBm/100MHz. The plot includes a red waveform and a blue noise floor. Date: 08-11-2023.</p> <p>Site : 03CH01-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	
	Avg.	<p>Level (dBm/100MHz) vs Frequency (MHz) plot for Horizontal polarization. Shows a peak at approximately 6700 MHz. A red horizontal line indicates the average level at approximately 70 dBm/100MHz. The plot includes a red waveform and a blue noise floor. Date: 08-11-2023.</p> <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	<p>Level (dBm/100MHz) vs Frequency (MHz) plot for Vertical polarization. Shows a peak at approximately 6700 MHz. A red horizontal line indicates the average level at approximately 70 dBm/100MHz. The plot includes a red waveform and a blue noise floor. Date: 08-11-2023.</p> <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>



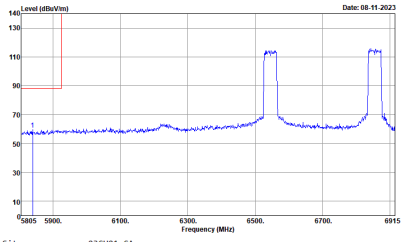
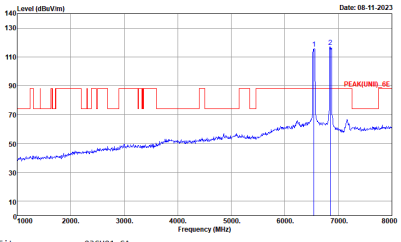
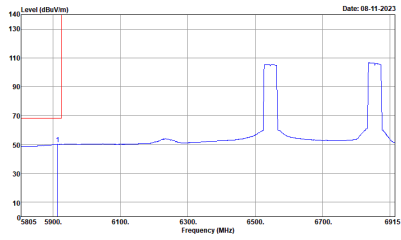
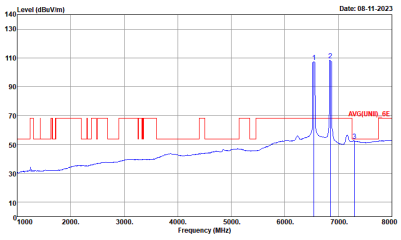
		UNII-7 6525~6875MHz Band Edge @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH173+CH181 6815M+6855MHz		
8Tx	Horizontal	Fundamental	
Peak	 <p>Level (dBm/100MHz) vs Frequency (MHz) plot for Peak Horizontal. The plot shows a signal level around 110 dBm/100MHz between 6525 and 6875 MHz, then dropping to approximately 60 dBm/100MHz. A red line indicates the peak level at the band edge.</p> <p>Site : 03CH01-CA Condition : PEAK_BE(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz; VBW:3000.000kHz; SMT:Auto</p>	 <p>Level (dBm/100MHz) vs Frequency (MHz) plot for Peak Fundamental. The plot shows a signal level around 90 dBm/100MHz between 6525 and 6875 MHz, then dropping to approximately 50 dBm/100MHz. A red line indicates the peak level at the band edge.</p> <p>Site : 03CH01-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz; VBW:3000.000kHz; SMT:Auto</p>	
Avg.	 <p>Level (dBm/100MHz) vs Frequency (MHz) plot for Avg Horizontal. The plot shows a signal level around 110 dBm/100MHz between 6525 and 6875 MHz, then dropping to approximately 50 dBm/100MHz. A red line indicates the average level at the band edge.</p> <p>Site : 03CH01-CA Condition : AVG_BE(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz; VBW:0.010kHz; SMT:Auto</p>	 <p>Level (dBm/100MHz) vs Frequency (MHz) plot for Avg Fundamental. The plot shows a signal level around 90 dBm/100MHz between 6525 and 6875 MHz, then dropping to approximately 50 dBm/100MHz. A red line indicates the average level at the band edge.</p> <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz; VBW:0.010kHz; SMT:Auto</p>	



		UNII-7 6525~6875MHz Band Edge @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH173+CH181 6815M+6855MHZ		
8Tx	Vertical	Fundamental	
Peak	<p>Site : 03CH01-CA Condition : PEAK_BE(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	<p>Site : 03CH01-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	
Avg.	<p>Site : 03CH01-CA Condition : AVG_BE(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	



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

UNII-7 6525~6875MHz Band Edge @ 3m		
ANT	Multiple carrier_non contiguous 40M+40M CH119+CH181 6545M+6855MHz	
8Tx	Horizontal	Fundamental
Peak	 <p>Site : 03CH01-CA Condition : PEAK_BE(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	 <p>Site : 03CH01-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>
	 <p>Site : 03CH01-CA Condition : AVG_BE(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	 <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>



		UNII-7 6525~6875MHz Band Edge @ 3m	
ANT	Multiple carrier_non contiguous 40M+40M CH119+CH181 6545M+6855MHz		
8Tx	Horizontal	Fundamental	
Peak	<p>Site : 03CH01-CA Condition : PEAK_BE(LMII)_6E 3m HORIZ_02140_230109 HORIZONTAL : RBW:1000.000kHz; VSW:3000.000kHz; SMT:Auto</p>	Left Blank	
Avg.	<p>Site : 03CH01-CA Condition : AVG_BE(LMII)_6E 3m HORIZ_02140_230109 HORIZONTAL : RBW:1000.000kHz; VSW:0.010kHz; SMT:Auto</p>	Left Blank	



		UNII-7 6525~6875MHz Band Edge @ 3m	
ANT	Multiple carrier_non contiguous 40M+40M CH119+CH181 6545M+6855MHz		
8Tx	Vertical	Fundamental	
Peak	<p>Site : 03CH01-CA Condition : PEAK_BE(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	<p>Site : 03CH01-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p>	
Avg.	<p>Site : 03CH01-CA Condition : AVG_BE(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto</p>	



UNII-7 6525~6875MHz Band Edge @ 3m		
ANT	Multiple carrier_non contiguous 40M+40M CH119+CH181 6545M+6855MHz	
8Tx	Vertical	Fundamental
Peak	<p>Site : 03CH01-CA Condition : PEAK_BE(LMII)_GE 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz; VSW:3000.000kHz; SMT:Auto</p>	Left Blank
Avg.	<p>Site : 03CH01-CA Condition : AVG_BE(LMII)_GE 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz; VSW:0.010kHz; SMT:Auto</p>	Left Blank



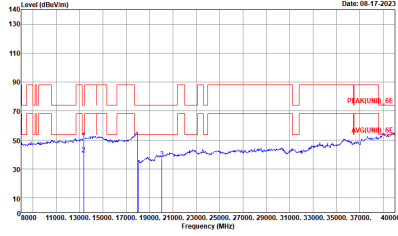
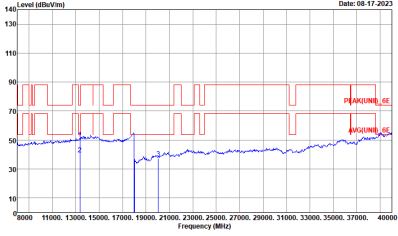
UNII-7 6525~6875MHz
Single carrier 40M (Harmonic @ 3m)

Table with 2 columns: Horizontal and Vertical. Each column contains a spectral plot showing Level (dBV/m) vs Frequency (MHz) with Peak and Avg. markers. Includes site information: 03CH01-CA, SHF_HORI_042_230717.



		UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Single carrier 40M CH119 6545MHz		
8Tx	Horizontal	Vertical	
10.6G ~18G Avg.	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL</p>	
	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 1m SHF_HORN_842_230717 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 1m SHF_HORN_842_230717 VERTICAL</p>	
38.6G ~40G Avg.			



		UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Single carrier 40M CH147 6685MHz		
8Tx	Horizontal	Vertical	
<p>Peak</p> <p>Avg.</p>	 <p>Level (dBV/m) vs Frequency (MHz) - Horizontal Peak</p> <p>Site : 03CH01-CA Condition : PEAK(UNII)_GE 1m SHF_HORN_842_230717 HORIZONTAL</p>	 <p>Level (dBV/m) vs Frequency (MHz) - Vertical Peak</p> <p>Site : 03CH01-CA Condition : PEAK(UNII)_GE 1m SHF_HORN_842_230717 VERTICAL</p>	



		UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Single carrier 40M CH147 6685MHz		
8Tx	Horizontal	Vertical	
10.6G ~18G Avg.	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL</p>	
	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 1m SHF_HORN_042_230717 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 1m SHF_HORN_042_230717 VERTICAL</p>	
38.6G ~40G Avg.			



		UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Single carrier 40M Full CH181 6855MHz		
8Tx	Horizontal	Vertical	
<p>Peak</p> <p>Avg.</p>	<p>Site : 03CH01-CA Condition : PEAK(UNIT)_GE 1m SHF_HORN_842_230717 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : PEAK(UNIT)_GE 1m SHF_HORN_842_230717 VERTICAL</p>	



		UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Single carrier 40M Full CH181 6855MHz		
8Tx	Horizontal	Vertical	
10.6G ~18G Avg.	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL</p>	
	38.6G ~40G Avg.	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 1m SHF_HORN_842_230717 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 1m SHF_HORN_842_230717 VERTICAL</p>



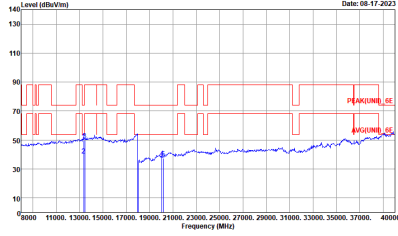
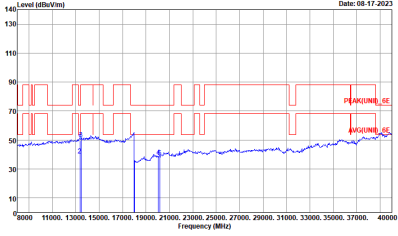


UNII-7 6525~6875MHz
Multiple carrier_contiguous 40M+40M (Harmonic @ 3m)

UNII-7 6525~6875MHz Harmonic @ 3m		
ANT	Multiple carrier_contiguous 40M+40M CH119+CH127 6545M+6585MHz	
8Tx	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	<p>Site : 03CH1-CA Condition : PEAK(UNII)_GE 1m SHF_HORN_842_230717 HORIZONTAL :</p>	<p>Site : 03CH1-CA Condition : PEAK(UNII)_GE 1m SHF_HORN_842_230717 VERTICAL :</p>



		UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH119+CH127 6545M+6585MHz		
8Tx	Horizontal	Vertical	
10.6G ~18G Avg.	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL</p>	
	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 1m SHF_HORN_842_230717 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 1m SHF_HORN_842_230717 VERTICAL</p>	
38.6G ~40G Avg.			



		UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M Ch147+CH155 6685M+6725MHz		
8Tx	Horizontal	Vertical	
Peak	 <p>Site : 03CH01-CA Condition : PEAK(UNII)_GE 1m SHF_HORN_842_230717 HORIZONTAL</p>	 <p>Site : 03CH01-CA Condition : PEAK(UNII)_GE 1m SHF_HORN_842_230717 VERTICAL</p>	
Avg.			



		UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M Ch147+CH155 6685M+6725MHz		
8Tx	Horizontal	Vertical	
10.6G ~18G Avg.	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL</p>	
	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 1m SHF_HORN_842_230717 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 1m SHF_HORN_842_230717 VERTICAL</p>	
38.6G ~40G Avg.			



		UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH173+CH181 6815M+6855MHZ		
8Tx	Horizontal	Vertical	
Peak	<p>Site : 03CH01-CA Condition : PEAK(UNII)_GE 1m SHF_HORN_842_230717 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : PEAK(UNII)_GE 1m SHF_HORN_842_230717 VERTICAL</p>	
Avg.			



		UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH173+CH181 6815M+6855MHZ		
8Tx	Horizontal	Vertical	
10.6G ~18G Avg.	<p>Level (dBV/m) vs Frequency (MHz) for Horizontal orientation. The plot shows a red line for the signal level and a blue line for the noise floor. The signal level is approximately 70 dBV/m, and the noise floor is approximately 40 dBV/m. The plot is dated 08-15-2023.</p> <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p>	<p>Level (dBV/m) vs Frequency (MHz) for Vertical orientation. The plot shows a red line for the signal level and a blue line for the noise floor. The signal level is approximately 70 dBV/m, and the noise floor is approximately 40 dBV/m. The plot is dated 08-15-2023.</p> <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL</p>	
	38.6G ~40G Avg.	<p>Level (dBV/m) vs Frequency (MHz) for Horizontal orientation. The plot shows a red line for the signal level and a blue line for the noise floor. The signal level is approximately 55 dBV/m, and the noise floor is approximately 40 dBV/m. The plot is dated 08-17-2023.</p> <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 1m SHF_HORN_842_230717 HORIZONTAL</p>	<p>Level (dBV/m) vs Frequency (MHz) for Vertical orientation. The plot shows a red line for the signal level and a blue line for the noise floor. The signal level is approximately 55 dBV/m, and the noise floor is approximately 40 dBV/m. The plot is dated 08-17-2023.</p> <p>Site : 03CH01-CA Condition : AVG(UNII)_6E 1m SHF_HORN_842_230717 VERTICAL</p>



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

UNII-7 6525~6875MHz Harmonic @ 3m		
ANT	Multiple carrier_non contiguous 40M+40M CH119+CH181 6545M+6855MHz	
8Tx	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	<p>Date: 08-17-2023</p> <p>Site : 03CH1-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_842_230717 HORIZONTAL</p>	<p>Date: 08-17-2023</p> <p>Site : 03CH1-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_842_230717 VERTICAL</p>



		UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Multiple carrier_non contiguous 40M+40M CH119+CH181 6545M+6855MHz		
8Tx	Horizontal	Vertical	
10.6G ~18G Avg.	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL</p>	
	38.6G ~40G Avg.	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 1m SHF_HORN_842_230717 HORIZONTAL</p>	<p>Site : 03CH01-CA Condition : AVG(UNII)_6E 1m SHF_HORN_842_230717 VERTICAL</p>



Emission below 1GHz

6GHz (LF @ 3m)

	6GHz	
ANT	6GHz LF	
8Tx	Horizontal	Vertical
Peak QP	<p>Site : 03CH01-CA Condition : QP 3m B1LOG_54683_221101 HORIZONTAL :</p>	<p>Site : 03CH01-CA Condition : QP 3m B1LOG_54683_221101 VERTICAL :</p>



Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
8Tx	40M	100.00	4890	0.20	10Hz

