



FCC RADIO TEST REPORT

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

The product was received on Jun. 27, 2023 and testing was performed from Jun. 27, 2023 to Jul. 31, 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



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History of this test report

Report No.	Version	Description	Issue Date
FR230625004B	01	Initial issue of report	Oct. 04, 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	0.05 dB under the limit at 7713.00 MHz
3.6	15.207	AC Conducted Emission	Pass	20.44 dB under the limit at 0.70 MHz
3.7	15.203 15.407(a)	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/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

Disclaimer:

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

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature		
General Specs 5 GHz / 6GHz Access Point Antenna Type 5 GHz / 6GHz Access Point: Array Antenna		
Antenna information		
5925 MHz ~ 6425 MHz	Peak Gain (dBi)	16.9
6525 MHz ~ 6875 MHz	Peak Gain (dBi)	17.3

Remark:

- The device is driving cross-polarized antenna, which has 8 horizontal polarization antenna and 8 vertical polarization antenna
- Minimum number of spatial stream (Nss) is 8
- The EUT is a fixed point-to-point device operating in UNII-5.
 Directional Gain (8H/8V) = $16.9\text{dBi} + 10\log(\text{Ntx} = 8 / \text{Nss} = 8) = 16.9\text{dBi}$
 The EUT is a fixed point-to-point device operating in UNII-7.
 Directional Gain (8H/8V) = $17.3\text{dBi} + 10\log(\text{Ntx} = 8 / \text{Nss} = 8) = 17.3\text{dBi}$
- 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, 03CH02-CA

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

FCC Designation No.: US1250

1.4 Applicable Standards

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

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB 987594 D02 U-NII 6 GHz EMC Measurement v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ ANSI C63.10-2013

Remark:

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

2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: 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). The EUT will be installed in one orientation. For radiated measurement, the EUT was placed with same orientation as described in user manual.
- 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
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 + LAN Link (MGMT) + LAN (Load) (Data 3) + Optical fiber (Load) + USB (Load) + GPS RX + Adapter

<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.	Notebook	Lenovo	20FN002VUS	N/A	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
2.	Notebook	Lenovo	TP00050C	N/A	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	USB Flash drive	SanDisk	N/A	N/A	N/A	N/A
4.	Adapter	MEAN WELL	HEP-480-54A	NA	NA	Unshielded, 1.8 m
5.	GNSS Simulator	Spectracom	GSG-5	NA	NA	N/A
6.	Shielding Cable	NA	NA	NA	Shielded, 3.0 m	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.

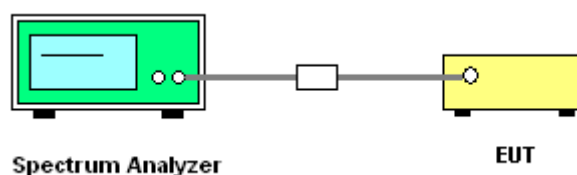
3.1.2 Measuring Instruments

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



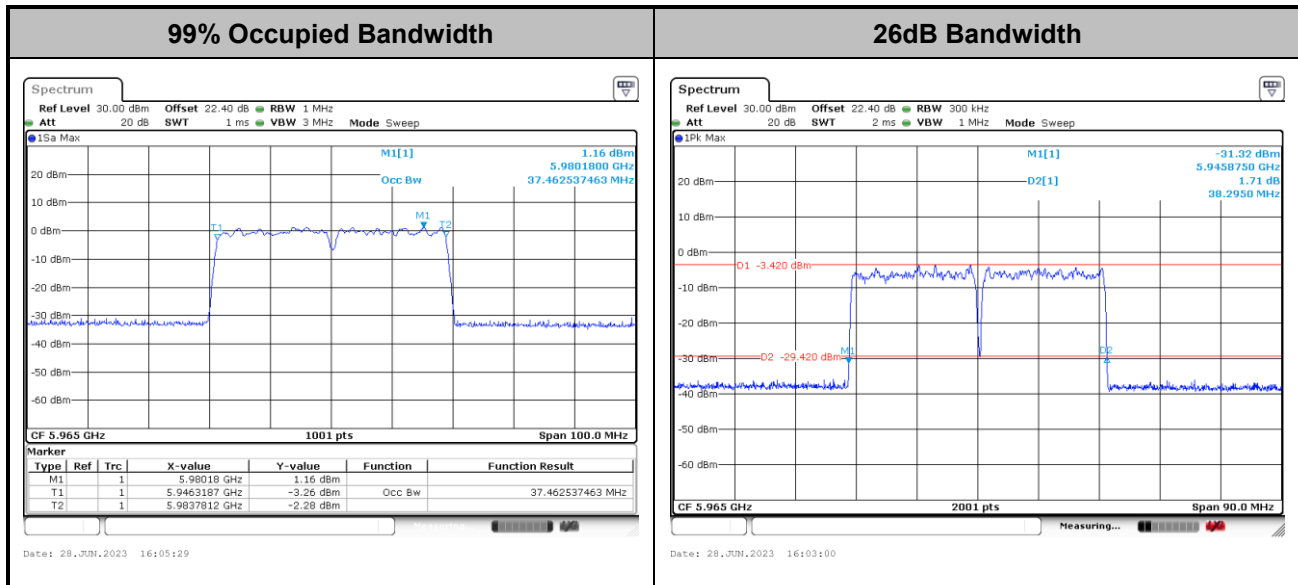
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.



<Single Carrier>

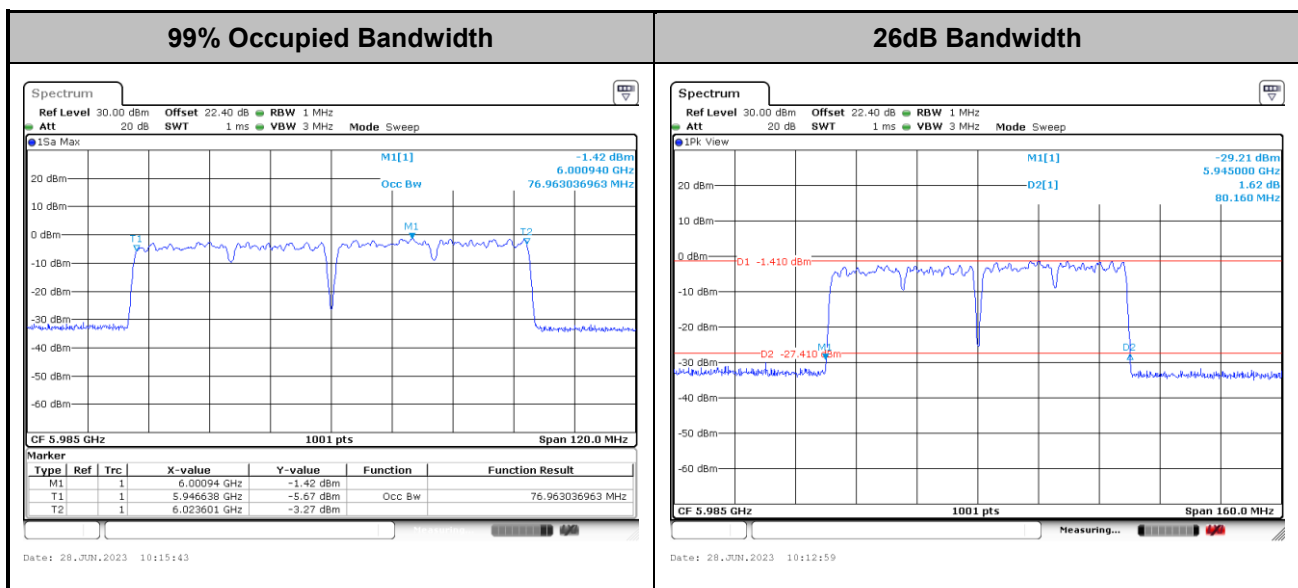
<40MHz>



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

<Multi Carrier (Contiguous)>

<40MHz + 40MHz>

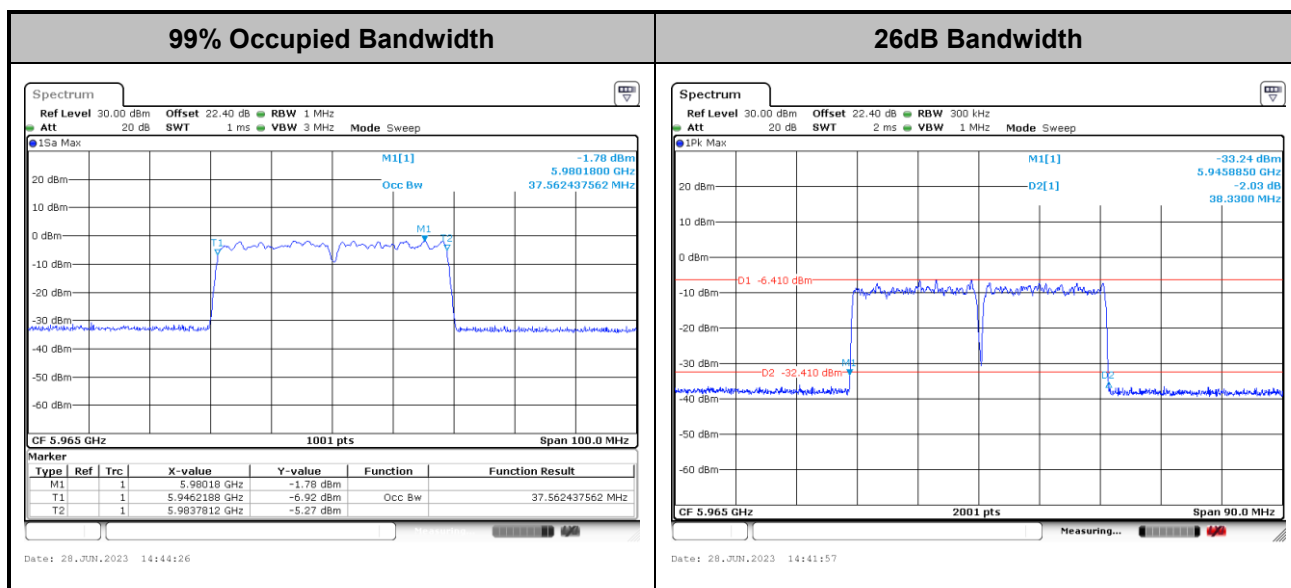


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



<Multi Carrier (Non-Contiguous)>

<40MHz + 40MHz>



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.

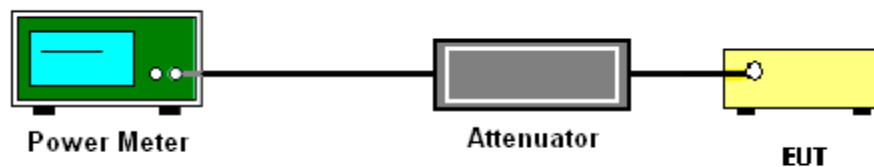
3.2.3 Test Procedures

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.

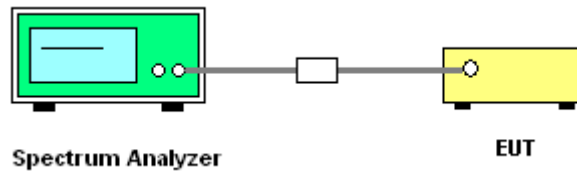
Section F) Maximum power spectral density.

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

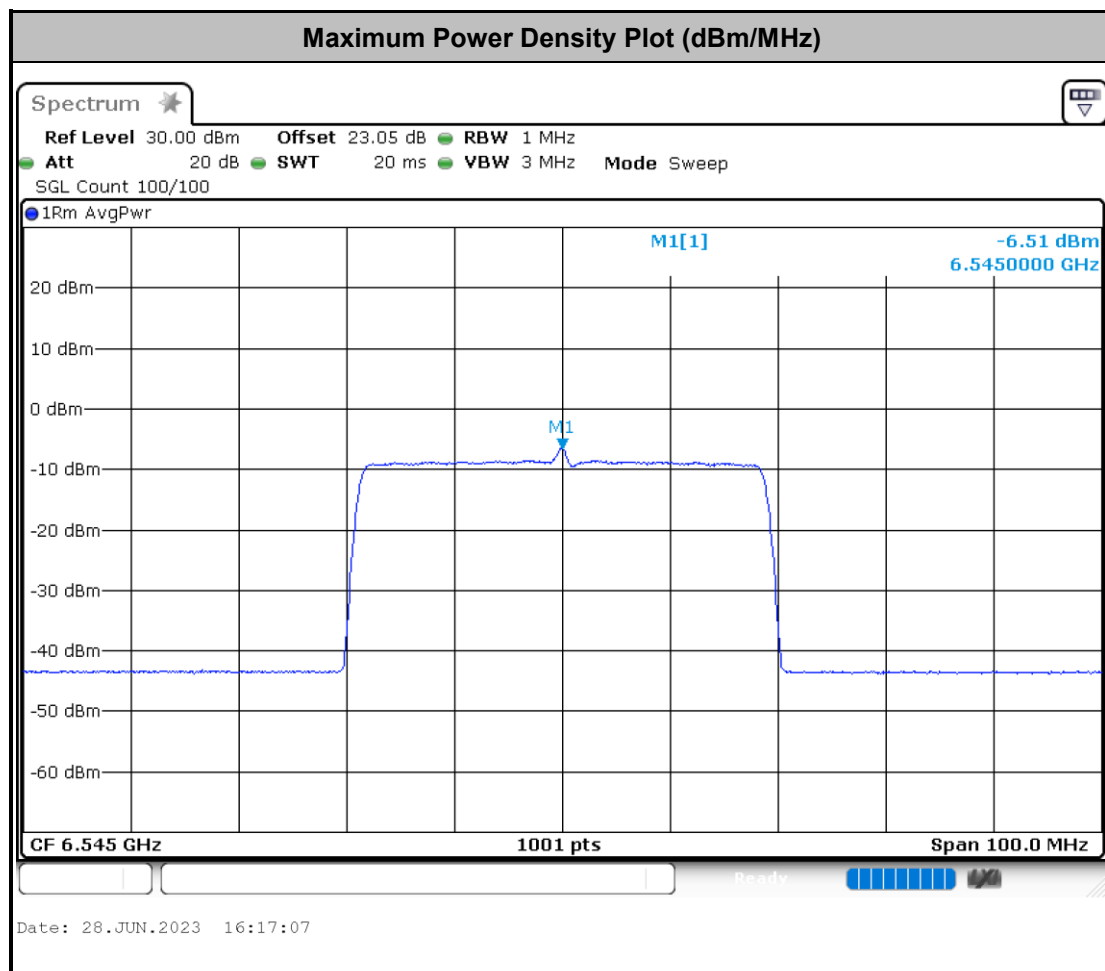


3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

<Single Carrier>

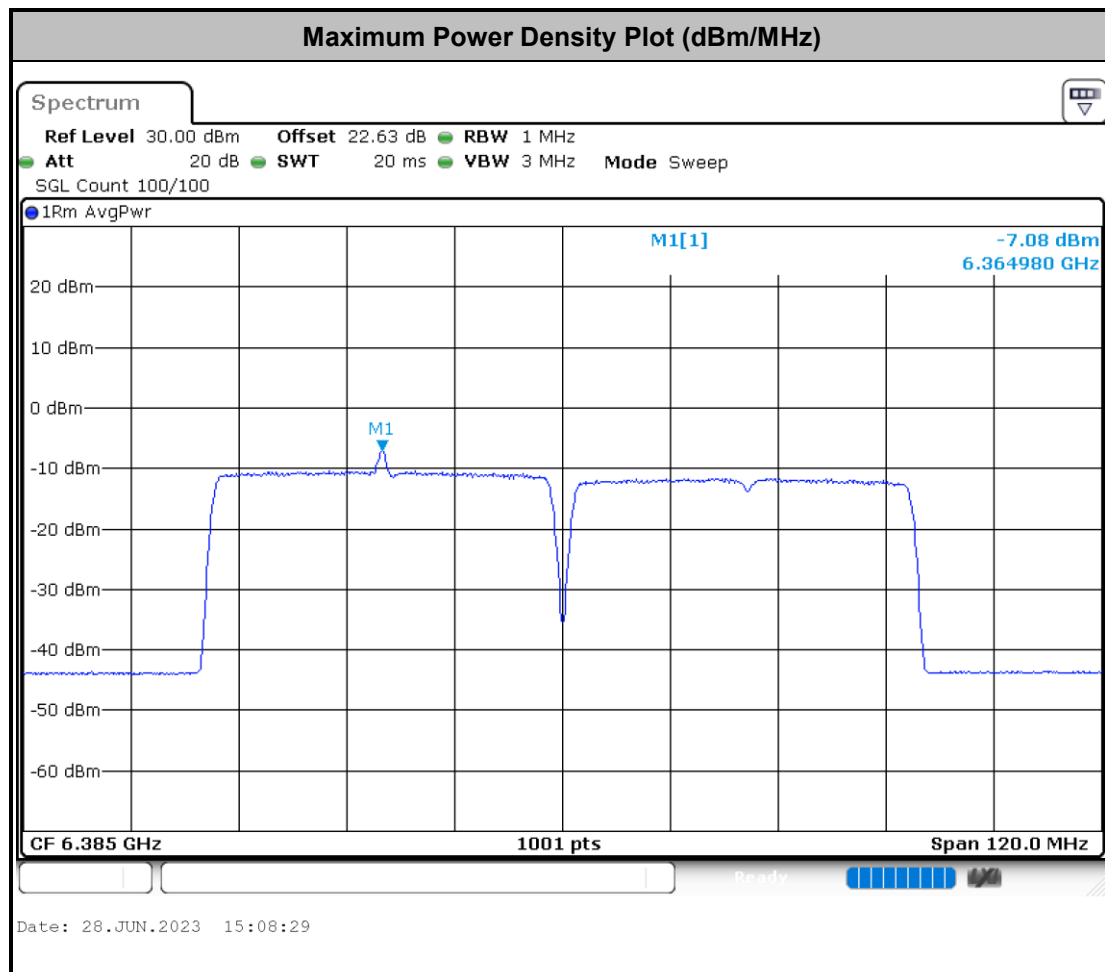
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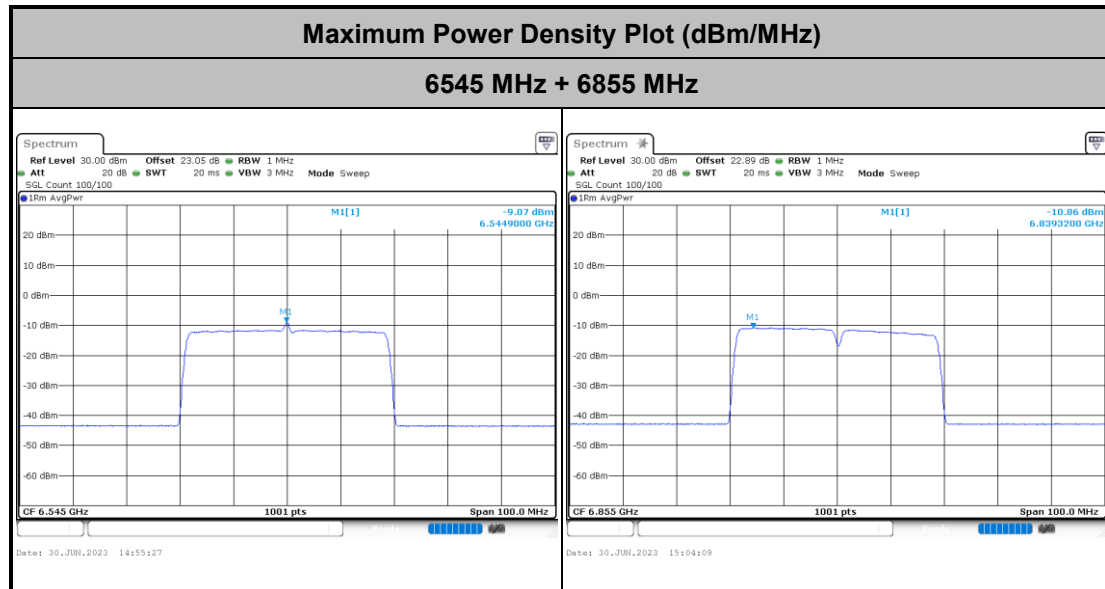
<Multi Carrier (Contiguous)>

<40MHz + 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.

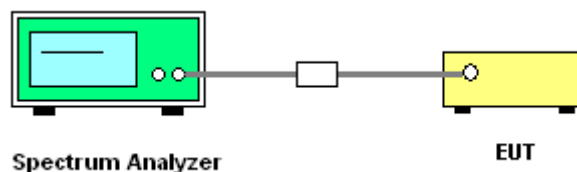
3.4.3 Test Procedures

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



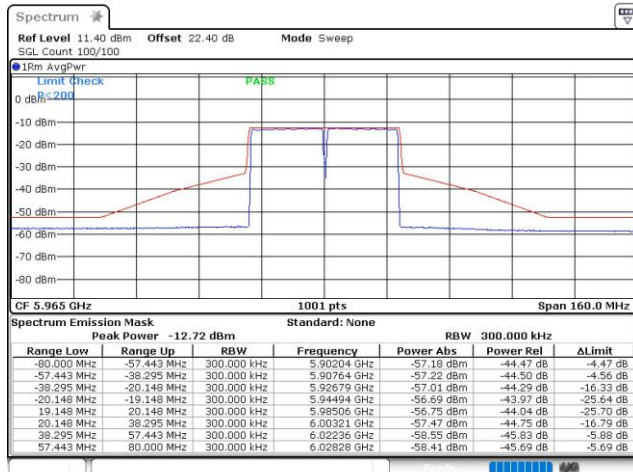


3.4.5 Test Result

<Single Carrier>

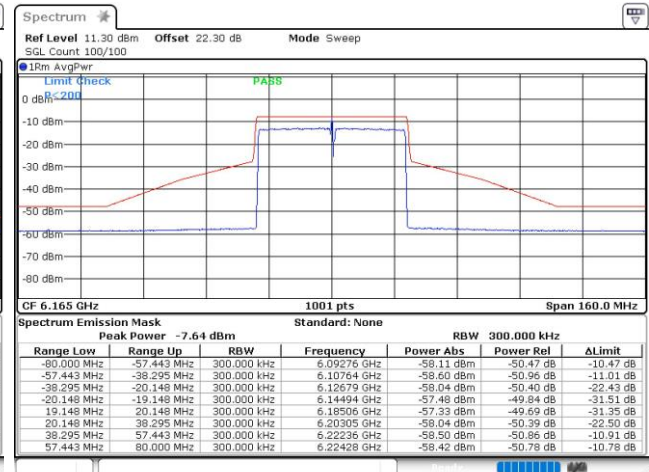
<40MHz>

Plot on Channel 5965 MHz



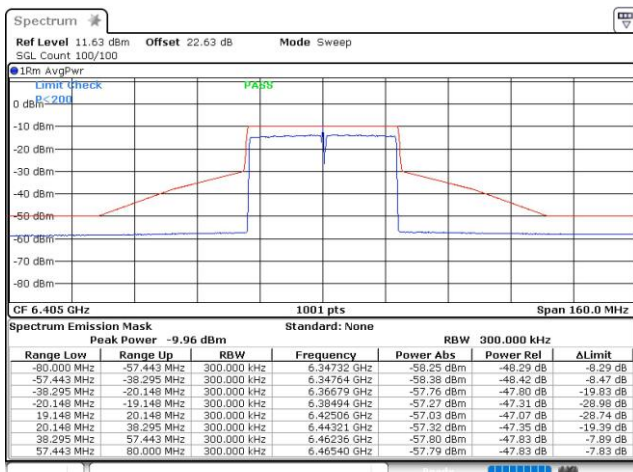
Date: 31.JUL.2023 11:01:25

Plot on Channel 6165 MHz



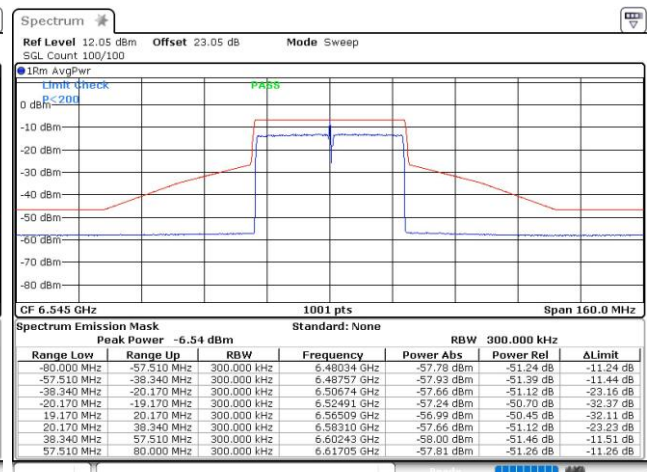
Date: 31.JUL.2023 11:06:39

Plot on Channel 6405 MHz



Date: 31.JUL.2023 11:11:57

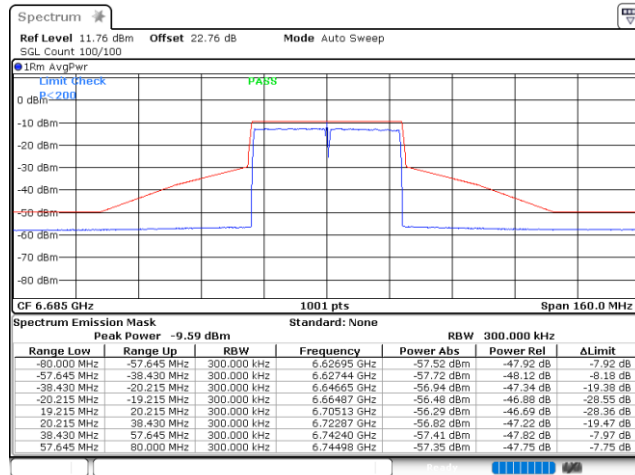
Plot on Channel 6545 MHz



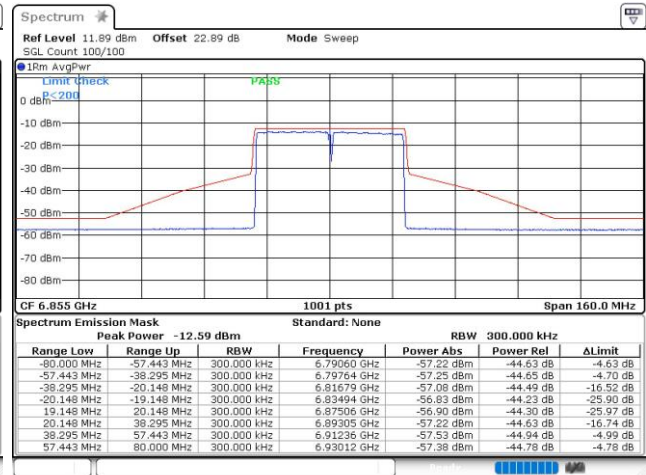
Date: 31.JUL.2023 10:56:27



Plot on Channel 6685 MHz



Plot on Channel 6855 MHz

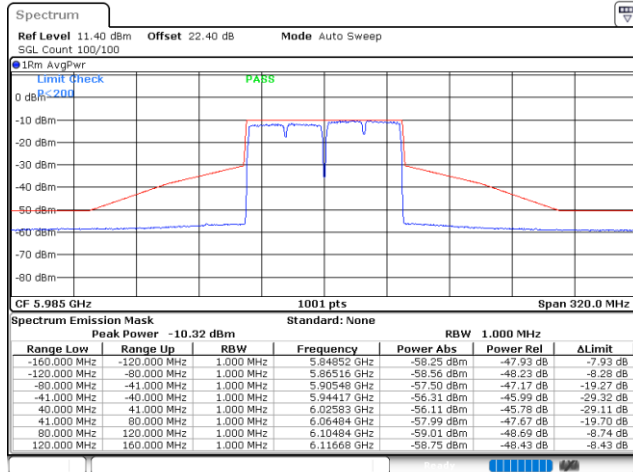




<Multi Carrier (Contiguous)>

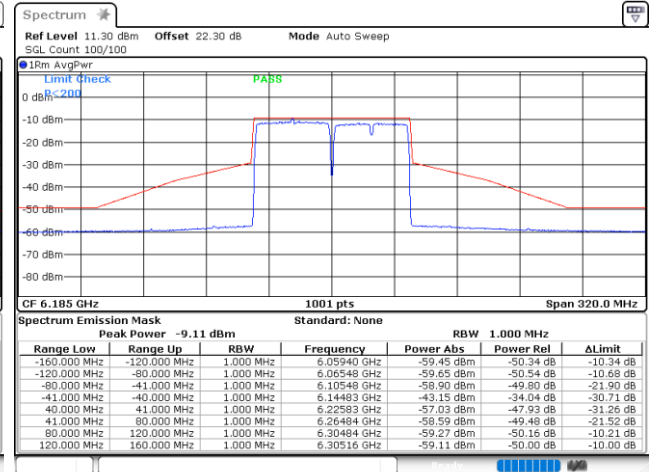
<40MHz + 40MHz>

Plot on Channel 5965 MHz + 6005 MHz



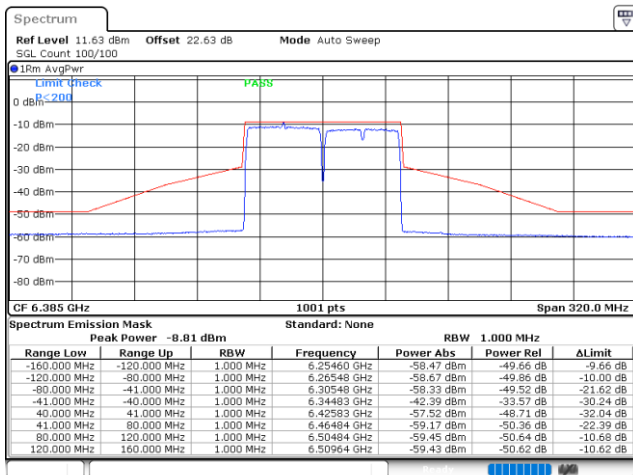
Date: 28 JUN.2023 10:16:11

Plot on Channel 6165 MHz + 6205 MHz



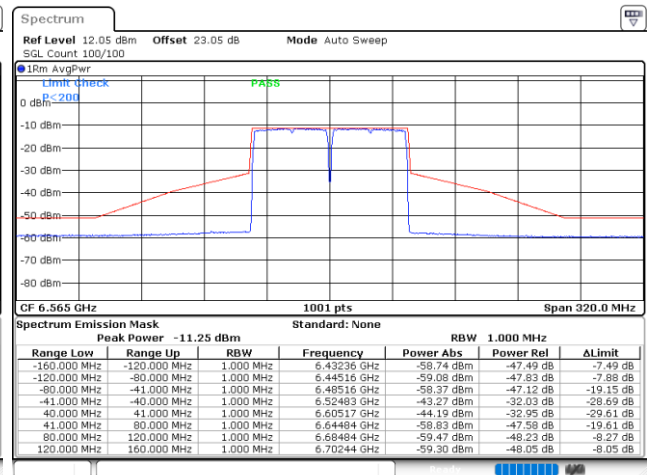
Date: 28 JUN.2023 11:00:33

Plot on Channel 6365 MHz + 6405 MHz



Date: 28 JUN.2023 11:20:30

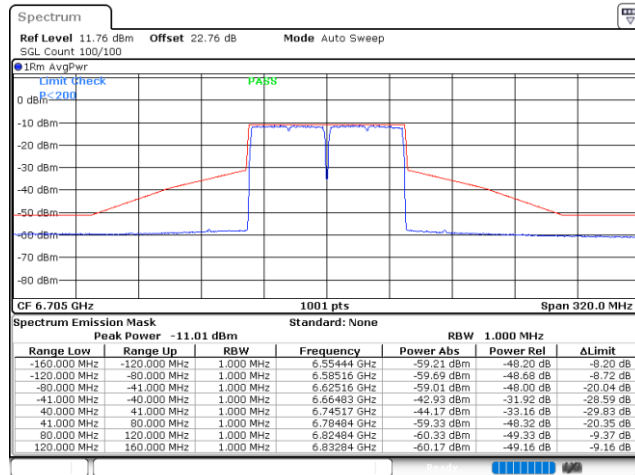
Plot on Channel 6545 MHz + 6585 MHz



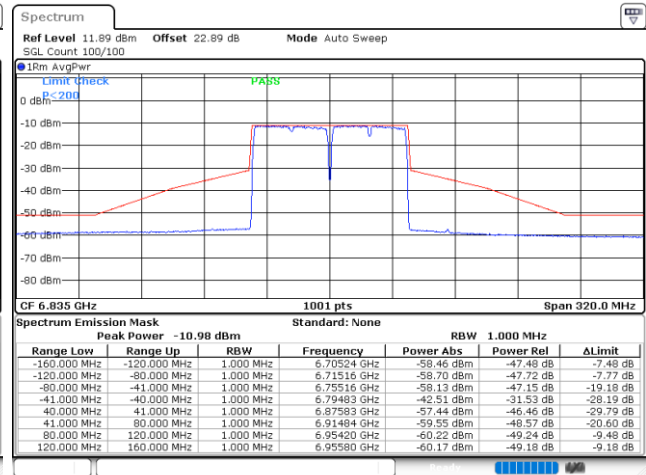
Date: 7 JUL.2023 16:47:37



Plot on Channel 6685 MHz + 6725 MHz



Plot on Channel 6815 MHz + 6855 MHz



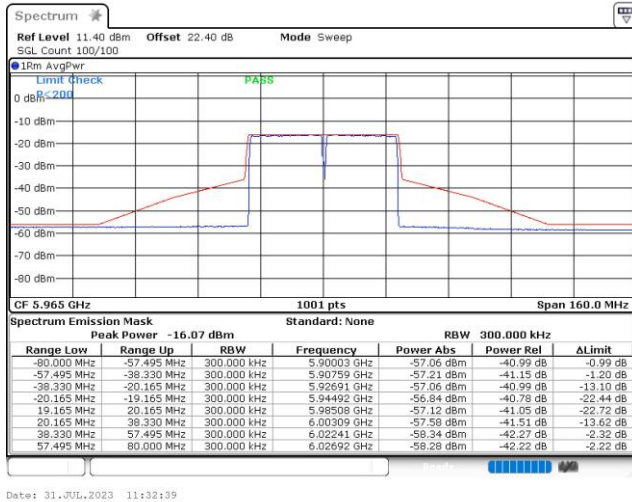


<Multi Carrier (non-Contiguous)>

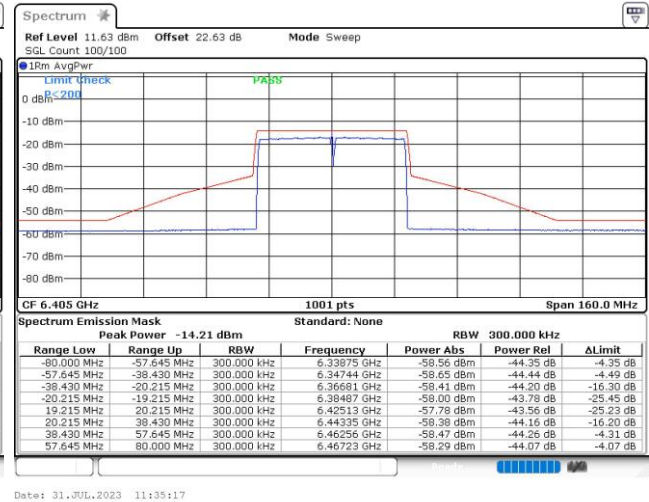
<40MHz + 40MHz>

<5965 MHz + 6405 MHz>

Plot on Channel 5965 MHz

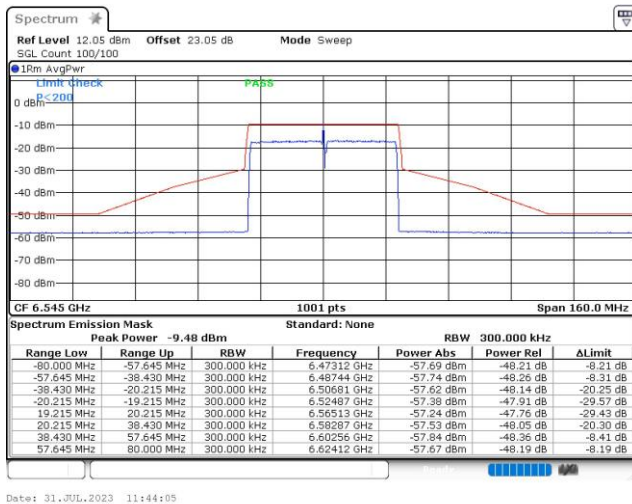


Plot on Channel 6405 MHz

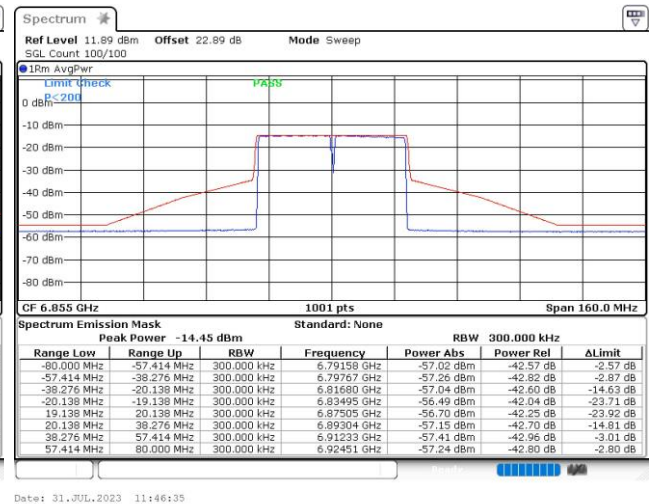


<6545 MHz + 6855 MHz>

Plot on Channel 6545 MHz



Plot on Channel 6855 MHz



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

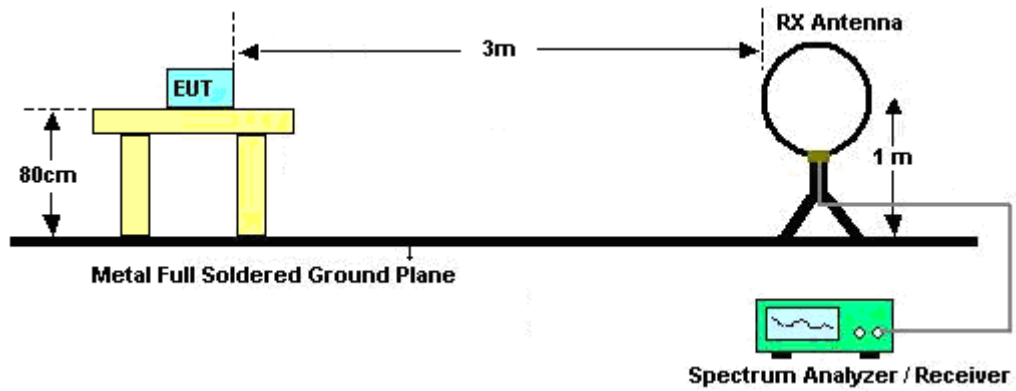
Please refer to the measuring equipment list in this test report.

3.5.3 Test Procedures

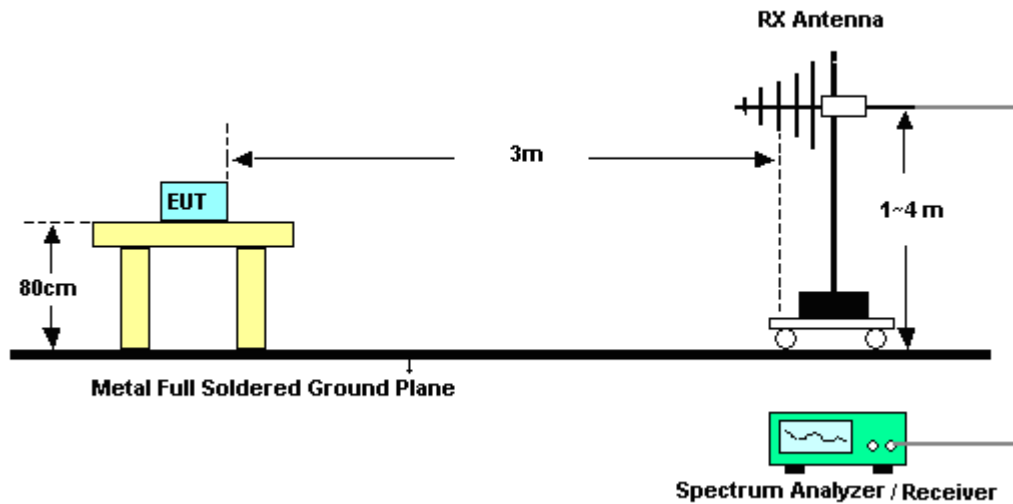
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section G) Unwanted emissions measurement.
(1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold(2) Procedure for Peak Unwanted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

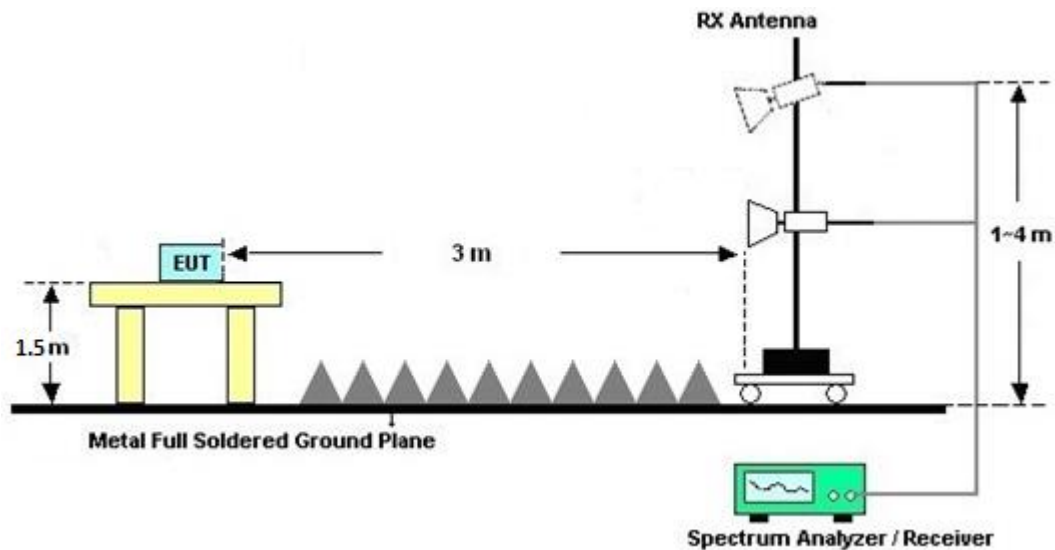
For radiated emissions below 30MHz



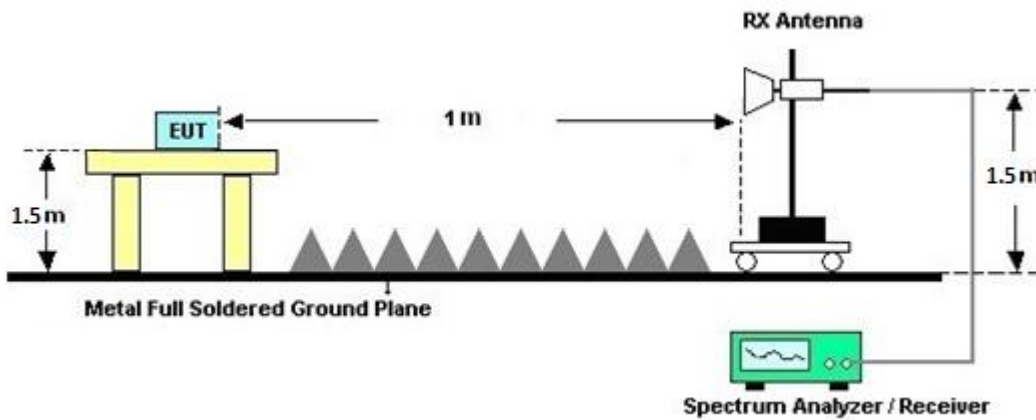
For radiated emissions from 30MHz to 1GHz



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.

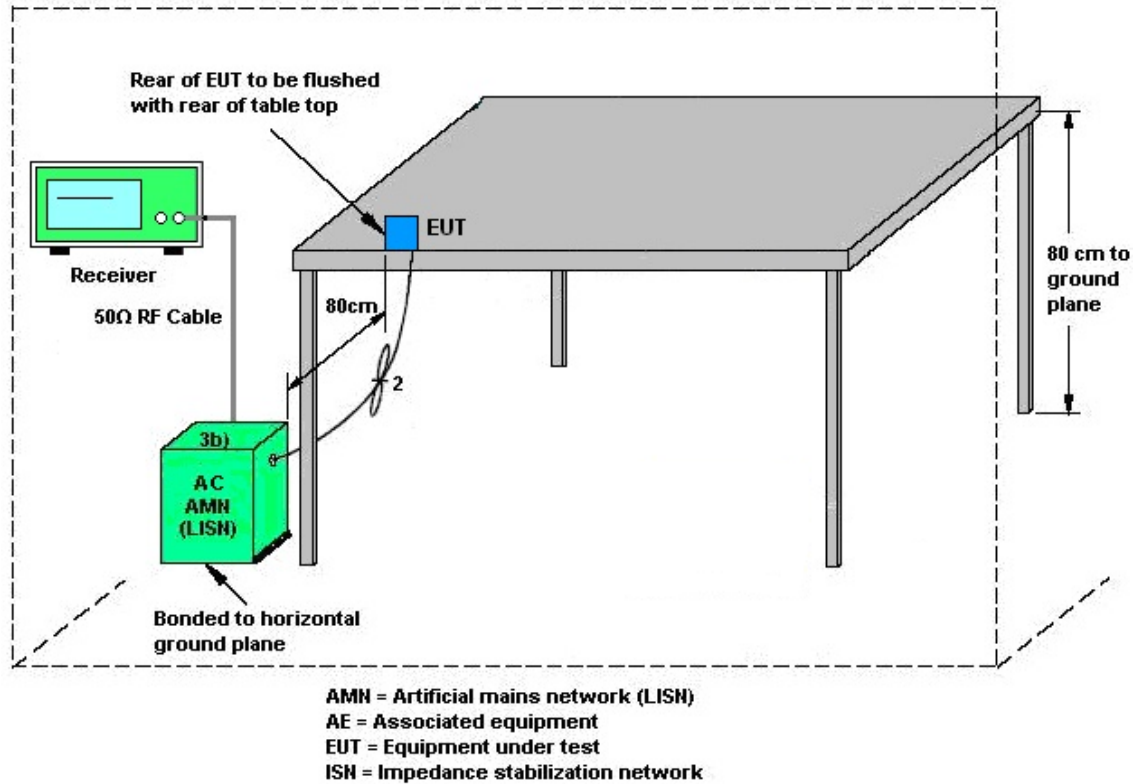
3.6.2 Measuring Instruments

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	Jul. 10, 2023~ Jul. 17, 2023	Jun. 28, 2024	Radiation (03CH02-CA)
Bilog Antenna	TESEQ	6111D	54683	30MHz~1GHz	Nov. 01, 2022	Jul. 10, 2023~ Jul. 17, 2023	Oct. 31, 2023	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBECK	BBHA 9120D	02140	1GHz~18GHz	Jan. 09, 2023	Jul. 10, 2023~ Jul. 17, 2023	Jan. 08, 2024	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBECK	BBHA9170	00841	18GHz~40GHz	Sep. 12, 2022	Jul. 10, 2023~ Jul. 17, 2023	Sep. 11, 2023	Radiation (03CH02-CA)
Amplifier	SONOMA	310N	372240	N/A	May 03, 2023	Jul. 10, 2023~ Jul. 17, 2023	May 02, 2024	Radiation (03CH02-CA)
Preamplifier	Keysight	83017A	MY53270323	1GHz~26.5GHz	May 04, 2023	Jul. 10, 2023~ Jul. 17, 2023	May 03, 2024	Radiation (03CH02-CA)
Preamplifier	E-instrument	ERA-100M-18G -56-01-A70	EC1900252	1GHz~18GHz	May 23, 2023	Jul. 10, 2023~ Jul. 17, 2023	May 22, 2024	Radiation (03CH02-CA)
Preamplifier	EMEC	EMC18G40G	060725	18GHz~40GHz	May 04, 2023	Jul. 10, 2023~ Jul. 17, 2023	May 03, 2024	Radiation (03CH02-CA)
RF Cable	HUBER+SUHNER	SUCOFLEX 102	804209/2, 802406/2, 802875/2, 802952/2	N/A	Nov. 14, 2022	Jul. 10, 2023~ Jul. 17, 2023	Nov. 13, 2023	Radiation (03CH02-CA)
High Pass Filter	WOKEN	WFIL-H8000-25 000F-01	WR32BNW2B1	8G~25G	Jun. 05, 2023	Jul. 10, 2023~ Jul. 17, 2023	Jun. 04, 2024	Radiation (03CH02-CA)
Filter	Wainwright	WLK12-1200-12 72-11000-40SS	SN2	1.2GHz Low Pass Filter	Jun. 05, 2023	Jul. 10, 2023~ Jul. 17, 2023	Jun. 04, 2024	Radiation (03CH02-CA)
Hygrometer	TESEO	608-H1	45142602	N/A	Sep. 12, 2022	Jul. 10, 2023~ Jul. 17, 2023	Sep. 11, 2023	Radiation (03CH02-CA)
Controller	ChainTek	EM-1000	060876	NA	N/A	Jul. 10, 2023~ Jul. 17, 2023	N/A	Radiation (03CH02-CA)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jul. 10, 2023~ Jul. 17, 2023	N/A	Radiation (03CH02-CA)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jul. 10, 2023~ Jul. 17, 2023	N/A	Radiation (03CH02-CA)
Software	Audix	E3	N/A	N/A	N/A	Jul. 10, 2023~ Jul. 17, 2023	N/A	Radiation (03CH02-CA)
Hygrometer	Testo	608-H1	45141354	N/A	Sep. 12, 2022	Jun. 27, 2023~ Jul. 31, 2023	Sep. 11, 2023	Conducted (TH01-CA)
Power Sensor	DARE!!	RPR3008W	RPR8W-2301002	10MHz-8GHz	Feb. 08, 2023	Jun. 27, 2023~ Jul. 31, 2023	Feb. 07, 2024	Conducted (TH01-CA)
Switch Box	EM Electronics	EMSW26	1090304	N/A	Dec. 05, 2022	Jun. 27, 2023~ Jul. 31, 2023	Dec. 04, 2023	Conducted (TH01-CA)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101545	10Hz-40GHz	May 03, 2023	Jun. 27, 2023~ Jul. 31, 2023	May 02, 2024	Conducted (TH01-CA)
LISN	TESEQ	NNB51	47407	N/A	May 16, 2023	Jul. 20, 2023	May 15, 2024	Conduction (CO01-CA)
EMI Test Receiver	R&S	ESR7	102177	9kHz~7GHz	May 23, 2023	Jul. 20, 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	Jul. 20, 2023	Jun. 04, 2024	Conduction (CO01-CA)
Test Software	R&S	EMC32 V10.30.0	N/A	N/A	N/A	Jul. 20, 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
---	--------

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Venkata Kondepudi	Temperature:	20.1~24.4	°C
Test Date:	2023/06/27~2023/07/31	Relative Humidity:	48~56.5	%

TEST RESULTS DATA**EIRP Power Table**

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			6.98	12.04	16.9	19.02	35.92	36
	6165			6.96	12.04	16.9	19.00	35.90	36
	6405			7.01	12.04	16.9	19.05	35.95	36
40 + 40MHz contiguous	5965+6005			6.99	12.04	16.9	19.03	35.93	36
	6165+6205			7.01	12.04	16.9	19.05	35.95	36
	6365+6405			7.00	12.04	16.9	19.04	35.94	36
40 + 40MHz non-contiguous	5965+6405	4.05	3.99	7.03	12.04	16.9	19.07	35.97	36

TEST RESULTS DATA**EIRP Power Spectral Density**

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			-7.86	12.04	16.9	4.18	21.08	23
	6165			-6.99	12.04	16.9	5.05	21.95	23
	6405			-7.88	12.04	16.9	4.16	21.06	23
40 + 40MHz contiguous	5965+6005			-10.45	12.04	16.9	1.59	18.49	23
	6165+6205			-7.37	12.04	16.9	4.67	21.57	23
	6365+6405			-7.08	12.04	16.9	4.96	21.86	23
40 + 40MHz non-contiguous	5965+6405	-10.97	-11.07	-10.97	12.04	16.9	1.07	17.97	23

Note:

Antenna Gain = 16.9dBi

The device is driving cross-polarized antenna, which has 8 horizontal polarization antenna and 8 vertical polarization antenna

Directional Gain (8H/8V) = 16.9dBi + 10log(Ntx = 8 / Nss = 8) = 16.9dBi

TEST RESULTS DATA**26dB and 99% OBW**

BW	Freq	26dB BW carrier 0 (MHz)	26dB BW carrier 1 (MHz)	26dB BW (MHz)
40MHz	5965			38.30
	6165			38.30
	6405			38.30
40 + 40MHz contiguous	5965+6005			80.16
	6165+6205			80.08
	6365+6405			80.16
40 + 40MHz non-contiguous	5965+6405	38.33	38.43	76.76

OBW carrier 0 (MHz)	OBW carrier 1 (MHz)	OBW (MHz)
		37.46
		37.46
		37.46
		76.96
		76.84
		76.96
37.56	37.56	75.12

TEST RESULTS DATA**EIRP Power Table**

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			6.58	12.04	17.3	18.62	35.92	36
	6685			6.6	12.04	17.3	18.64	35.94	36
	6855			6.61	12.04	17.3	18.65	35.95	36
40 + 40MHz contiguous	6545+6585			6.64	12.04	17.3	18.68	35.98	36
	6685+6725			6.63	12.04	17.3	18.67	35.97	36
	6815+6855			6.64	12.04	17.3	18.68	35.98	36
40 + 40MHz non-contiguous	6545+6855	3.6	3.67	6.65	12.04	17.3	18.69	35.99	36

TEST RESULTS DATA**EIRP Power Spectral Density**

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	6545			-6.51	12.04	17.3	5.53	22.83	23
	6685			-8.46	12.04	17.3	3.58	20.88	23
	6855			-8.16	12.04	17.3	3.88	21.18	23
40 + 40MHz contiguous	6545+6585			-11.47	12.04	17.3	0.57	17.87	23
	6685+6725			-11.37	12.04	17.3	0.67	17.97	23
	6815+6855			-11.33	12.04	17.3	0.71	18.01	23
40 + 40MHz non-contiguous	6545+6855	-9.07	-10.86	-9.07	12.04	17.3	2.97	20.27	23

Note:

Antenna Gain = 17.3dBi

The device is driving cross-polarized antenna, which has 8 horizontal polarization antenna and 8 vertical polarization antenna

Directional Gain (8H/8V) = 17.3dBi + 10log(Ntx = 8 / Nss = 8) = 17.3dBi

TEST RESULTS DATA**26dB and 99% OBW**

BW	Freq	26dB BW carrier 0 (MHz)	26dB BW carrier 1 (MHz)	26dB BW (MHz)
40MHz	6545			38.34
	6685			38.43
	6855			38.30
40 + 40MHz contiguous	6545+6585			80.16
	6685+6725			80.16
	6815+6855			80.16
40 + 40MHz non-contiguous	6545+6855	38.43	38.28	76.71

OBW carrier 0 (MHz)	OBW carrier 1 (MHz)	OBW (MHz)
		37.46
		37.46
		37.46
		76.96
		76.96
		77.08
37.56	37.56	75.12



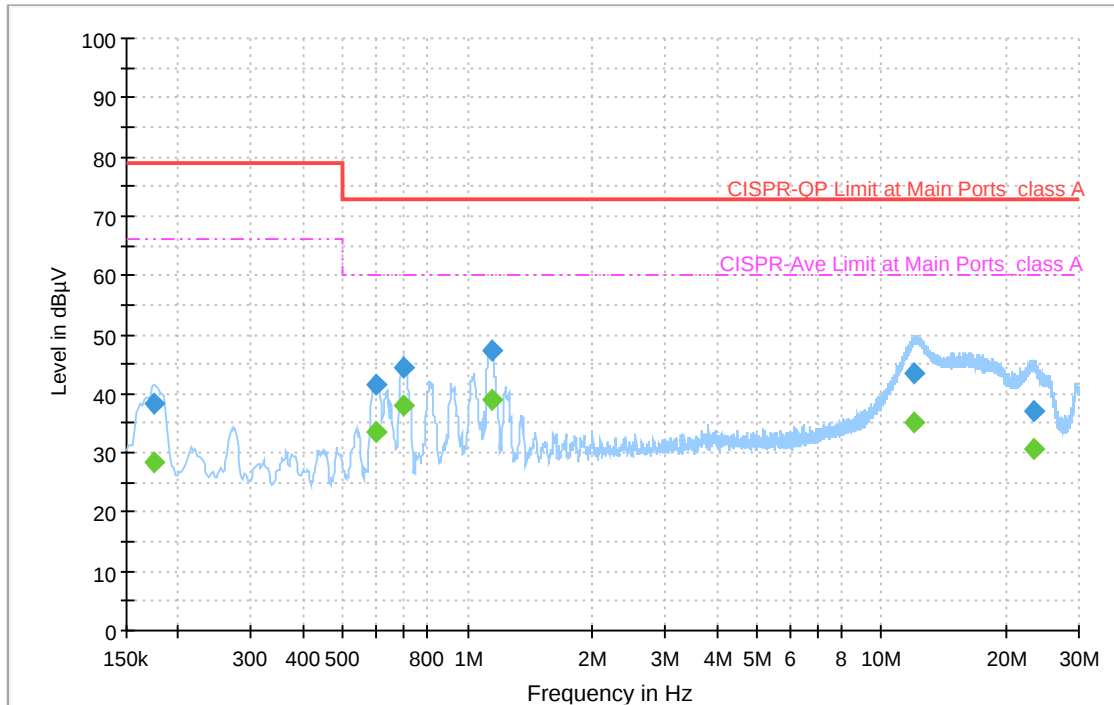
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Leo Liu and Jin Peng	Temperature :	20~23℃
		Relative Humidity :	38~42%

EUT Information

Site: CO01-CA
Power: 120Vac/60Hz
Project: 230625004
Mode: 1
Line

Full Spectrum



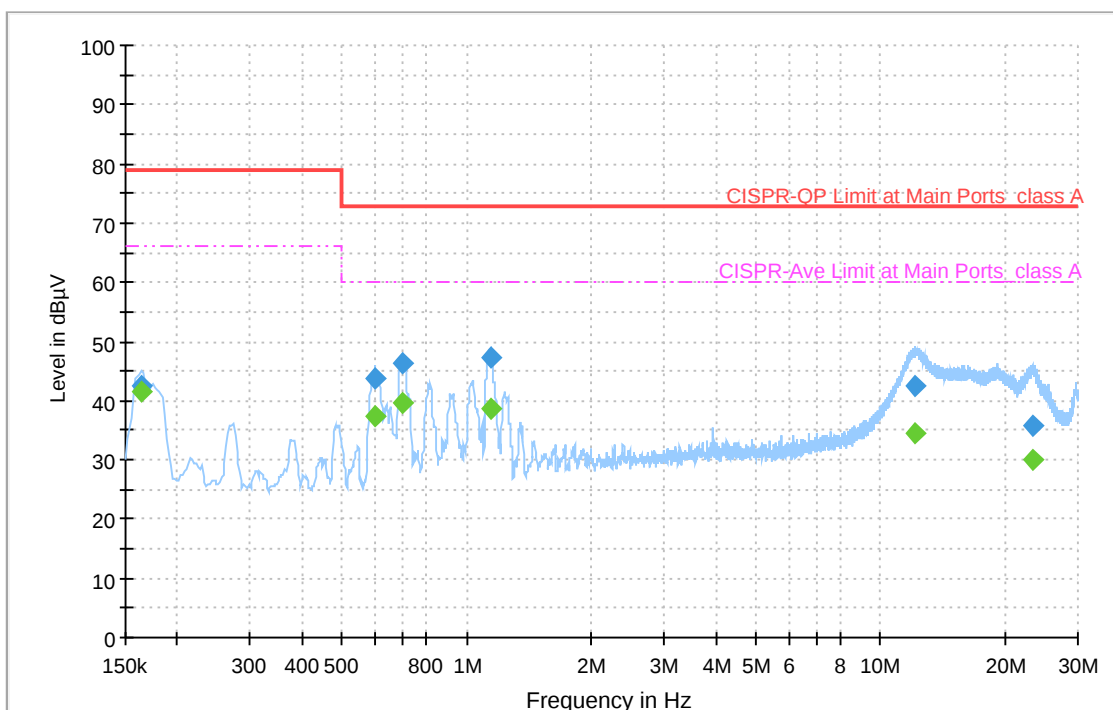
Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.174354	---	28.29	66.00	37.71	L1	OFF	20.3
0.174354	38.18	---	79.00	40.82	L1	OFF	20.3
0.601323	---	33.68	60.00	26.32	L1	OFF	20.3
0.601323	41.42	---	73.00	31.58	L1	OFF	20.3
0.697497	---	37.92	60.00	22.08	L1	OFF	20.3
0.697497	44.33	---	73.00	28.67	L1	OFF	20.3
1.144149	---	38.84	60.00	21.16	L1	OFF	20.3
1.144149	47.13	---	73.00	25.87	L1	OFF	20.3
12.025923	---	35.22	60.00	24.78	L1	OFF	20.5
12.025923	43.37	---	73.00	29.63	L1	OFF	20.5
23.238006	---	30.68	60.00	29.32	L1	OFF	20.7
23.238006	36.96	---	73.00	36.04	L1	OFF	20.7

EUT Information

Site: CO01-CA
Power: 120Vac/60Hz
Project: 230625004
Mode: 1
Neutral

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.163779	---	41.65	66.00	24.35	L1	OFF	20.3
0.163779	42.60	---	79.00	36.40	L1	OFF	20.3
0.599964	---	37.47	60.00	22.53	L1	OFF	20.3
0.599964	43.67	---	73.00	29.33	L1	OFF	20.3
0.697227	---	39.56	60.00	20.44	L1	OFF	20.3
0.697227	46.25	---	73.00	26.75	L1	OFF	20.3
1.141602	---	38.51	60.00	21.49	L1	OFF	20.3
1.141602	47.26	---	73.00	25.74	L1	OFF	20.3
12.107949	---	34.51	60.00	25.49	L1	OFF	20.5
12.107949	42.64	---	73.00	30.36	L1	OFF	20.5
23.318745	---	29.96	60.00	30.04	L1	OFF	20.7
23.318745	35.90	---	73.00	37.10	L1	OFF	20.7



Appendix C. Radiated Spurious Emission

Test Engineer :	Fu Chen	Temperature :	21.5~22.3°C
		Relative Humidity :	47.4~56.3%

UNII-5 - 5925~6425MHz

Single carrier_40M (Band Edge @ 3m)

Ant.	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
16Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
Single carrier 40M 5965 MHz		5924.88	70.73	-17.47	88.2	53.44	34.25	12.78	29.74	180	179	P	H
		5924.7	61.34	-6.86	68.2	44.05	34.25	12.78	29.74	180	179	A	H
	*	5965	121.68	-	-	104.4	34.22	12.82	29.76	180	179	P	H
	*	5965	113.4	-	-	96.12	34.22	12.82	29.76	180	179	A	H
		7713	53.95	-0.05	54	32.85	36.58	14.54	30.02	180	179	A	H
													H
		5924.34	66.91	-21.29	88.2	49.62	34.25	12.78	29.74	200	204	P	V
		5924.88	56.95	-11.25	68.2	39.66	34.25	12.78	29.74	200	204	A	V
	*	5965	116.4	-	-	99.12	34.22	12.82	29.76	200	204	P	V
	*	5965	108.65	-	-	91.37	34.22	12.82	29.76	200	204	A	V
Single carrier 40M 6165 MHz		7727	53.74	-0.26	54	32.61	36.62	14.55	30.04	200	204	A	V
													V
	*	6165	120.15	-	-	103.06	34.23	12.89	30.03	181	184	P	H
	*	6165	113.82	-	-	96.73	34.23	12.89	30.03	181	184	A	H
		7398	53.22	-0.78	54	32.06	36.57	14.31	29.72	181	184	P	H
													H
	*	6165	118.04	-	-	100.95	34.23	12.89	30.03	184	164	P	V
	*	6165	114.63	-	-	97.54	34.23	12.89	30.03	184	164	A	V
Remark		7370	53.15	-0.85	54	31.94	36.69	14.28	29.76	184	164	P	V
													V
1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Ant. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Single carrier 40M 6405 MHz	*	6405	122.89	-	-	105.51	34.7	13.23	30.55	183	204	P	H
	*	6405	117.72	-	-	100.34	34.7	13.23	30.55	183	204	A	H
		7748	53.22	-0.78	54	32.05	36.68	14.57	30.08	183	204	P	H
													H
													H
													H
	*	6405	120.48	-	-	103.1	34.7	13.23	30.55	186	205	P	V
	*	6405	114.94	-	-	97.56	34.7	13.23	30.55	186	205	A	V
		7405	53.27	-0.73	54	32.14	36.54	14.31	29.72	186	205	P	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. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Single carrier 40M 5965 MHz		11930	46.73	-27.27	74	56.15	38.77	18.26	66.65	-	-	P	H
		17895	52.74	-21.26	74	56.4	42.65	23.06	69.53	-	-	P	H
		17895	42.06	-11.94	54	45.72	42.65	23.06	69.53	-	-	A	H
													H
		11930	45.76	-28.24	74	55.18	38.77	18.26	66.65	-	-	P	V
		17895	53.1	-20.9	74	56.76	42.65	23.06	69.53	-	-	P	V
		17895	42.01	-11.99	54	45.67	42.65	23.06	69.53	-	-	A	V
													V
Single carrier 40M 6165 MHz		12330	46.48	-27.52	74	55.26	39.05	18.6	66.63	-	-	P	H
		18495	35.77	-38.23	74	37.66	38.08	23.35	53.78	-	-	P	H
													H
													H
		12330	47.43	-26.57	74	56.21	39.05	18.6	66.63	-	-	P	V
		18495	35.02	-38.98	74	37.04	37.95	23.35	53.78	-	-	P	V
													V
													V
Single carrier 40M 6405MHz		12810	46.72	-41.48	88.2	54.85	39.5	19.01	66.85	-	-	P	H
		19215	35.1	-38.9	74	37.04	38.02	23.62	54.04	-	-	P	H
													H
													H
		12810	48.35	-39.85	88.2	56.48	39.5	19.01	66.85	-	-	P	V
		19215	35.8	-38.2	74	37.74	38.02	23.62	54.04	-	-	P	V
													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-5 5925~6425MHz

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

Ant. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Multiple carrier_ contiguous 40M+40M 5965MHz +6005MHz		5911.08	75.22	-12.98	88.2	57.93	34.26	12.76	29.73	185	176	P	H
		5925	65.53	-2.67	68.2	48.24	34.25	12.78	29.74	185	176	A	H
	*	5965	120.84	-	-	103.56	34.22	12.82	29.76	185	176	P	H
	*	6005	119.91	-	-	102.64	34.21	12.86	29.8	185	176	P	H
	*	5965	112.61	-	-	95.33	34.22	12.82	29.76	185	176	A	H
	*	6005	112.58	-	-	95.31	34.21	12.86	29.8	185	176	P	H
		7398	53.16	-0.84	54	32	36.57	14.31	29.72	185	176	A	H
		5925.12	70.89	-79.11	150	53.61	34.24	12.78	29.74	186	177	P	V
		5924.86	62.93	-5.27	68.2	45.64	34.25	12.78	29.74	186	177	A	V
	*	5965	118.47	-	-	101.19	34.22	12.82	29.76	186	177	P	V
	*	6005	118.38	-	-	101.11	34.21	12.86	29.8	186	177	P	V
	*	5956	112.74	-	-	95.47	34.22	12.81	29.76	186	177	A	V
	*	6005	111.02	-	-	93.75	34.21	12.86	29.8	186	177	P	V
		7405	53.18	-0.82	54	32.05	36.54	14.31	29.72	186	177	A	V
Multiple carrier_ contiguous 40M+40M 6165MHz +6205MHz	*	6165	121.25	-	-	104.16	34.23	12.89	30.03	181	197	P	H
	*	6205	115.75	-	-	98.71	34.25	12.91	30.12	181	197	P	H
	*	6165	114.67	-	-	97.58	34.23	12.89	30.03	181	197	A	H
	*	6205	107.21	-	-	90.17	34.25	12.91	30.12	181	197	P	H
		7384	53.19	-0.81	54	32.01	36.63	14.29	29.74	181	197	P	H
													H
	*	6165	115.91	-	-	98.82	34.23	12.89	30.03	185	175	P	V
	*	6205	117.79	-	-	100.75	34.25	12.91	30.12	185	175	P	V
	*	6165	114.18	-	-	97.09	34.23	12.89	30.03	185	175	A	V
	*	6205	109.09	-	-	92.05	34.25	12.91	30.12	185	175	P	V
		7398	53.22	-0.78	54	32.06	36.57	14.31	29.72	185	175	P	V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



Ant. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Multiple carrier_ contiguous 40M+40M 6365MHz +6405MHz	*	6365	123.61	-	-	106.34	34.61	13.16	30.5	182	194	P	H
	*	6405	114.12	-	-	96.74	34.7	13.23	30.55	182	194	P	H
	*	6365	114.63	-	-	97.36	34.61	13.16	30.5	182	194	A	H
	*	6405	105.57	-	-	88.19	34.7	13.23	30.55	182	194	P	H
		7370	53.13	-0.87	54	31.92	36.69	14.28	29.76	182	194	P	H
													H
													H
	*	6365	111.29	-	-	94.02	34.61	13.16	30.5	187	192	P	V
	*	6405	114.75	-	-	97.37	34.7	13.23	30.55	187	192	P	V
	*	6365	109.82	-	-	92.55	34.61	13.16	30.5	187	192	A	V
	*	6405	112.69	-	-	95.31	34.7	13.23	30.55	187	192	P	V
		7426	53.19	-0.81	54	32.14	36.47	14.33	29.75	187	192	P	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. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Multiple carrier_ contiguous 40M+40M 5965MHz +6005MHz		11930	46.48	-27.52	74	55.9	38.77	18.26	66.65	-	-	P	H
		17895	52.4	-21.6	74	56.06	42.65	23.06	69.53	-	-	P	H
		17895	41.97	-12.03	54	45.63	42.65	23.06	69.53	-	-	A	H
		18015	34.61	-39.39	74	36.9	37.82	23.17	53.74	-	-	P	H
													H
													H
		11930	46.52	-27.48	74	55.94	38.77	18.26	66.65	-	-	P	V
		17895	53.34	-20.66	74	57	42.65	23.06	69.53	-	-	P	V
		17895	42.12	-11.88	54	45.78	42.65	23.06	69.53	-	-	A	V
		18015	35.83	-38.17	74	38.14	37.8	23.17	53.74	-	-	P	V
													V
													V
Multiple carrier_ contiguous 40M+40M 6165MHz +6205MHz		12330	47.55	-26.45	74	56.33	39.05	18.6	66.63	-	-	P	H
		12410	47.75	-26.25	74	56.65	38.95	18.67	66.72	-	-	P	H
		18495	33.5	-40.5	74	35.39	38.08	23.35	53.78	-	-	P	H
		18615	34.09	-39.91	74	35.35	38.13	23.39	53.24	-	-	P	H
													H
													H
		12330	47.12	-26.88	74	55.9	39.05	18.6	66.63	-	-	P	V
		12410	47.89	-26.11	74	56.79	38.95	18.67	66.72	-	-	P	V
		18495	33.84	-40.16	74	35.86	37.95	23.35	53.78	-	-	P	V
		18615	35.64	-38.36	74	37.03	38	23.39	53.24	-	-	P	V
													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.												



Ant. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Multiple carrier_ contiguous 40M+40M 6365MHz +6405MHz		12730	47.44	-40.76	88.2	55.46	39.31	18.94	66.47	-	-	P	H
		12810	47.41	-40.79	88.2	55.54	39.5	19.01	66.85	-	-	P	H
		19095	33.87	-40.13	74	35.81	38.01	23.58	53.99	-	-	P	H
		19215	33.36	-40.64	74	35.3	38.02	23.62	54.04	-	-	P	H
													H
													H
		12730	47.5	-40.7	88.2	55.52	39.31	18.94	66.47	-	-	P	V
		12810	48.33	-39.87	88.2	56.46	39.5	19.01	66.85	-	-	P	V
		19095	33.9	-40.1	74	35.8	38.05	23.58	53.99	-	-	P	V
		19215	33.45	-40.55	74	35.39	38.02	23.62	54.04	-	-	P	V
													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 5 5925~6425MHz
Multiple carrier_non-contiguous 40M+40M (Band Edge @ 3m)

Ant. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Multiple carrier_ non- contiguous 40M+40M 5965MHz +6405MHz		5921.82	69.51	-18.69	88.2	52.22	34.25	12.77	29.73	185	193	P	H
		5925	61.14	-7.06	68.2	43.85	34.25	12.78	29.74	185	193	A	H
	*	5965	122.15	-	-	104.87	34.22	12.82	29.76	185	193	A	H
	*	6405	106.61	-	-	89.23	34.7	13.23	30.55	185	193	A	H
	*	5965	114.74	-	-	97.46	34.22	12.82	29.76	185	193	A	H
	*	6405	101.66	-	-	84.28	34.7	13.23	30.55	185	193	A	H
		7384	53.15	-0.85	54	31.97	36.63	14.29	29.74	185	193	A	H
		5922.48	69.58	-18.62	88.2	52.29	34.25	12.77	29.73	186	182	P	V
		5925	61.29	-6.91	68.2	44	34.25	12.78	29.74	186	182	A	V
	*	5965	121.18	-	-	103.9	34.22	12.82	29.76	186	182	A	V
	*	6405	117.12	-	-	99.74	34.7	13.23	30.55	186	182	A	V
	*	5965	112.97	-	-	95.69	34.22	12.82	29.76	186	182	A	V
	*	6405	108.75	-	-	91.37	34.7	13.23	30.55	186	182	A	V
		7713	53.22	-0.78	54	32.12	36.58	14.54	30.02	186	182	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. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Multiple carrier_non- contiguous 40M+40M 5965MHz +6405MHz		11930	46.4	-27.6	74	55.82	38.77	18.26	66.65	-	-	P	H
		12810	47.66	-40.54	88.2	55.79	39.5	19.01	66.85	-	-	P	H
		17895	53.25	-20.75	74	56.91	42.65	23.06	69.53	-	-	P	H
		17895	42.02	-11.98	54	45.68	42.65	23.06	69.53	-	-	A	H
		19215	33.69	-40.31	74	35.63	38.02	23.62	54.04	-	-	P	H
													H
		11930	46.06	-27.94	74	55.48	38.77	18.26	66.65	-	-	P	V
		12810	49.5	-38.7	88.2	57.63	39.5	19.01	66.85	-	-	P	V
		17895	52.48	-21.52	74	56.14	42.65	23.06	69.53	-	-	P	V
		17895	41.94	-12.06	54	45.6	42.65	23.06	69.53	-	-	A	V
		19215	33.54	-40.46	74	35.48	38.02	23.62	54.04	-	-	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

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.	
16Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
Single carrier 40M 6545MHz	*	6545	121.61	-	-	103.63	35.3	13.42	30.74	184	185	P	H
	*	6545	113.16	-	-	95.18	35.3	13.42	30.74	184	185	A	H
		7720	53.26	-0.74	54	32.14	36.6	14.55	30.03	184	185	P	H
													H
	*	6545	122.46	-	-	104.48	35.3	13.42	30.74	183	199	P	V
	*	6545	114.22	-	-	96.24	35.3	13.42	30.74	183	199	A	V
		7398	53.32	-0.68	54	32.16	36.57	14.31	29.72	183	199	P	V
													V
Single carrier 40M 6685MHz	*	6685	123.43	-	-	104.74	36.01	13.56	30.88	183	185	P	H
	*	6685	117.23	-	-	98.54	36.01	13.56	30.88	183	185	A	H
		7384	53.43	-0.57	54	32.25	36.63	14.29	29.74	183	185	P	H
													H
	*	6684	119.96	-	-	101.28	36	13.56	30.88	185	182	P	V
	*	6685	117.03	-	-	98.34	36.01	13.56	30.88	185	182	A	V
		7398	53.35	-0.65	54	32.19	36.57	14.31	29.72	185	182	P	V
													V
Single carrier 40M 6855MHz	*	6855	114.9	-	-	96.29	35.93	13.72	31.04	186	180	P	H
	*	6855	106.7	-	-	88.09	35.93	13.72	31.04	186	180	A	H
		7426	53.23	-0.77	54	32.18	36.47	14.33	29.75	186	180	A	H
		7130.25	60.69	-27.51	88.2	40.7	36.53	14.01	30.55	186	180	P	H
		7128	51.77	-16.43	68.2	31.81	36.51	14.01	30.56	186	180	A	H
	*	6855	122.55	-	-	103.94	35.93	13.72	31.04	184	188	P	V
	*	6855	114.37	-	-	95.76	35.93	13.72	31.04	184	188	A	V
		7426	53.38	-0.62	54	32.33	36.47	14.33	29.75	184	188	A	V
		7239.6	61.22	-26.98	88.2	40.2	37.03	14.13	30.14	184	188	P	V
		7130.25	50.5	-17.7	68.2	30.51	36.53	14.01	30.55	184	188	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. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Single carrier 40M 6545MHz		13090	48.48	-39.72	88.2	56.26	39.74	19.25	66.98	-	-	P	H
		19635	35.34	-38.66	74	34.9	37.92	23.78	51.72	-	-	P	H
													H
													H
		13090	48.61	-39.59	88.2	56.39	39.74	19.25	66.98	-	-	P	V
		19635	36.03	-37.97	74	35.68	37.83	23.78	51.72	-	-	P	V
													V
													V
Single carrier 40M 6685MHz		13370	48.76	-25.24	74	55.94	40.21	19.49	67.1	-	-	P	H
		13370	38.33	-15.67	54	45.51	40.21	19.49	67.1	-	-	A	H
		20055	35.92	-38.08	74	35.22	38.06	23.97	51.79	-	-	P	H
													H
		13370	49.25	-24.75	74	56.43	40.21	19.49	67.1	-	-	P	V
		13370	38.59	-15.41	54	45.77	40.21	19.49	67.1	-	-	A	V
		20055	36.63	-37.37	74	35.92	38.07	23.97	51.79	-	-	P	V
													V
Single carrier 40M 6855MHz		13710	49.05	-39.15	88.2	55.64	40.7	19.78	67.29	-	-	P	H
		20565	37.87	-36.13	74	35.03	38.2	24.41	50.23	-	-	P	H
													H
													H
		13710	49.79	-38.41	88.2	56.38	40.7	19.78	67.29	-	-	P	V
		20565	37.75	-36.25	74	35.07	38.04	24.41	50.23	-	-	P	V
													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. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Multiple carrier_ contiguous 40M+40M 6545MHz +6585MHz	*	6545	120.08	-	-	102.1	35.3	13.42	30.74	184	195	P	H
	*	6585	110.94	-	-	92.64	35.62	13.47	30.79	184	195	P	H
	*	6545	111.64	-	-	93.66	35.3	13.42	30.74	184	195	A	H
	*	6585	103.45	-	-	85.15	35.62	13.47	30.79	184	195	P	H
		7412	53.32	-0.68	54	32.21	36.52	14.32	29.73	184	195	P	H
													H
	*	6545	116.59	-	-	98.61	35.3	13.42	30.74	184	189	P	V
	*	6585	115.13	-	-	96.83	35.62	13.47	30.79	184	189	P	V
	*	6545	111.93	-	-	93.95	35.3	13.42	30.74	184	189	P	V
	*	6585	112.84	-	-	94.54	35.62	13.47	30.79	184	189	P	V
		7419	53.3	-0.7	54	32.22	36.49	14.33	29.74	184	189	P	V
													V
Multiple carrier_ contiguous 40M+40M 6685MHz +6725MHz	*	6685	122.49	-	-	103.8	36.01	13.56	30.88	184	195	P	H
	*	6725	103	-	-	84.24	36.06	13.6	30.9	184	195	P	H
	*	6685	114.26	-	-	95.57	36.01	13.56	30.88	184	195	A	H
	*	6725	99.99	-	-	81.23	36.06	13.6	30.9	184	195	P	H
		7370	53.31	-0.69	54	32.1	36.69	14.28	29.76	184	195	P	H
													H
	*	6685	109.8	-	-	91.11	36.01	13.56	30.88	184	170	P	V
	*	6725	116.23	-	-	97.47	36.06	13.6	30.9	184	170	P	V
	*	6685	104.43	-	-	85.74	36.01	13.56	30.88	184	170	P	V
	*	6725	111.49	-	-	92.73	36.06	13.6	30.9	184	170	A	V
		7370	53.26	-0.74	54	32.05	36.69	14.28	29.76	184	170	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Ant. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Multiple carrier_ contiguous 40M+40M 6815MHz +6855MHz	*	6815	110.57	-	-	91.88	36	13.68	30.99	181	181	P	H
	*	6855	108.75	-	-	90.14	35.93	13.72	31.04	181	181	P	H
	*	6815	107.75	-	-	89.06	36	13.68	30.99	181	181	A	H
	*	6855	101.51	-	-	82.9	35.93	13.72	31.04	181	181	A	H
		7377	53.2	-0.8	54	32.01	36.66	14.28	29.75	181	181	A	H
		7219.8	60.89	-27.31	88.2	40.05	36.96	14.1	30.22	181	181	P	H
		7125.75	50.69	-17.51	68.2	30.74	36.5	14.01	30.56	181	181	A	H
	*	6815	114.99	-	-	96.3	36	13.68	30.99	183	196	P	V
	*	6855	115.03	-	-	96.42	35.93	13.72	31.04	183	196	P	V
	*	6815	110.53	-	-	91.84	36	13.68	30.99	183	196	A	V
	*	6855	106.49	-	-	87.88	35.93	13.72	31.04	183	196	A	V
		7398	53.26	-0.74	54	32.1	36.57	14.31	29.72	183	196	A	V
		7158.15	61.71	-26.49	88.2	41.44	36.68	14.04	30.45	183	196	P	V
		7173.45	51.26	-16.94	68.2	30.84	36.76	14.05	30.39	183	196	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. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Multiple carrier_ contiguous 40M+40M 6545MHz +6585MHz		13090	48.26	-39.94	88.2	56.04	39.74	19.25	66.98	-	-	P	H
		13170	48.45	-39.75	88.2	56.4	39.8	19.32	67.28	-	-	P	H
		19635	35.78	-38.22	74	35.34	37.92	23.78	51.72	-	-	P	H
		19755	36.48	-37.52	74	35.77	37.93	23.83	51.51	-	-	P	H
													H
													H
		13090	47.62	-40.58	88.2	55.4	39.74	19.25	66.98	-	-	P	V
		13170	47.67	-40.53	88.2	55.62	39.8	19.32	67.28	-	-	P	V
		19635	36	-38	74	35.65	37.83	23.78	51.72	-	-	P	V
		19755	36.12	-37.88	74	35.44	37.9	23.83	51.51	-	-	P	V
													V
													V
Multiple carrier_ contiguous 40M+40M 6685MHz +6725MHz		13370	49.66	-24.34	74	56.84	40.21	19.49	67.1	-	-	P	H
		13370	38.39	-15.61	54	45.57	40.21	19.49	67.1	-	-	A	H
		13450	50.07	-38.13	88.2	56.35	40.55	19.56	66.61	-	-	P	H
		20055	35.36	-38.64	74	34.66	38.06	23.97	51.79	-	-	P	H
		20175	37.46	-36.54	74	36.89	38.09	24.07	52.05	-	-	P	H
													H
		13370	48.5	-25.5	74	55.68	40.21	19.49	67.1	-	-	P	V
		13370	38.55	-15.45	54	45.73	40.21	19.49	67.1	-	-	A	V
		13450	49.15	-39.05	88.2	55.43	40.55	19.56	66.61	-	-	P	V
		20055	36.21	-37.79	74	35.5	38.07	23.97	51.79	-	-	P	V
		20175	36.69	-37.31	74	36.18	38.03	24.07	52.05	-	-	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.												



Ant. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Multiple carrier_ contiguous 40M+40M 6815MHz +6855MHz		13630	49.06	-39.14	88.2	55.54	40.73	19.71	67.14	-	-	P	H
		13710	49.57	-38.63	88.2	56.16	40.7	19.78	67.29	-	-	P	H
		20445	36.42	-37.58	74	34.41	38.18	24.3	50.93	-	-	P	H
		20565	36.98	-37.02	74	34.14	38.2	24.41	50.23	-	-	P	H
													H
													H
		13630	49.18	-39.02	88.2	55.66	40.73	19.71	67.14	-	-	P	V
		13710	50.24	-37.96	88.2	56.83	40.7	19.78	67.29	-	-	P	V
		20445	35.86	-38.14	74	34.07	37.96	24.3	50.93	-	-	P	V
		20565	37.54	-36.46	74	34.86	38.04	24.41	50.23	-	-	P	V
													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_non-contiguous 40M+40M (Band Edge @ 3m)

Ant. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Multiple carrier_non- contiguous 40M+40M 6545MHz +6855MHz		5924.88	66.61	-21.59	88.2	49.32	34.25	12.78	29.74	183	191	P	H
		5924.88	62.22	-5.98	68.2	44.93	34.25	12.78	29.74	183	191	A	H
	*	6545	120.11	-	-	102.13	35.3	13.42	30.74	183	191	P	H
	*	6855	119.64	-	-	101.03	35.93	13.72	31.04	183	191	P	H
	*	6545	111.81	-	-	93.83	35.3	13.42	30.74	183	191	A	H
	*	6855	111.68	-	-	93.07	35.93	13.72	31.04	183	191	A	H
		7741	53.13	-0.87	54	31.98	36.66	14.56	30.07	183	191	A	H
		7172.8	71.43	-16.77	88.2	51.02	36.75	14.05	30.39	183	191	P	H
		7162.16	62.13	-6.07	68.2	41.82	36.7	14.04	30.43	183	191	A	H
													H
		5912.67	62.29	-25.91	88.2	45	34.26	12.76	29.73	184	158	P	V
		5924.88	54.71	-13.49	68.2	37.42	34.25	12.78	29.74	184	158	A	V
	*	6545	115.87	-	-	97.89	35.3	13.42	30.74	184	158	P	V
	*	6855	120.86	-	-	102.25	35.93	13.72	31.04	184	158	P	V
	*	6545	107.98	-	-	90	35.3	13.42	30.74	184	158	A	V
	*	6855	112.39	-	-	93.78	35.93	13.72	31.04	184	158	A	V
		7706	53.24	-0.76	54	32.15	36.56	14.54	30.01	184	158	A	V
		7165.2	67.62	-20.58	88.2	47.27	36.72	14.05	30.42	184	158	P	V
		7162.16	59.25	-8.95	68.2	38.94	36.7	14.04	30.43	184	158	A	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII 7 - 6525~6875MHz

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

Ant. 16Tx	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
Multiple carrier_non- contiguous 40M+40M 6545MHz +6855MHz		13090	47.87	-40.33	88.2	55.65	39.74	19.25	66.98	-	-	P	H
		13710	49.05	-39.15	88.2	55.64	40.7	19.78	67.29	-	-	P	H
		19635	35.66	-38.34	74	35.22	37.92	23.78	51.72	-	-	P	H
		20565	37.3	-36.7	74	34.46	38.2	24.41	50.23	-	-	P	H
													H
													H
		13090	47.51	-40.69	88.2	55.29	39.74	19.25	66.98	-	-	P	V
		13710	49.35	-38.85	88.2	55.94	40.7	19.78	67.29	-	-	P	V
		19635	36.01	-37.99	74	35.66	37.83	23.78	51.72	-	-	P	V
		20565	37.26	-36.74	74	34.58	38.04	24.41	50.23	-	-	P	V
													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.												



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.	
16Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
LF		58.13	28.3	-11.7	40	47.52	11.89	1.25	32.42	-	-	P	H
		78.5	34.83	-5.17	40	52.29	13.45	1.46	32.43	-	-	P	H
		103.72	33.79	-9.71	43.5	47.76	16.64	1.68	32.48	-	-	P	H
		304.51	36.97	-9.03	46	47.11	19.29	2.88	32.46	-	-	P	H
		716.76	38.92	-7.08	46	39.58	27.07	4.38	32.47	-	-	P	H
		740.04	39.59	-6.41	46	39.07	28	4.45	32.34	-	-	P	H
													H
													H
		58.13	34.48	-5.52	40	53.7	11.89	1.25	32.42	100	0	Q	V
		104.69	34.07	-9.43	43.5	47.91	16.77	1.69	32.48	-	-	P	V
		255.04	38.71	-7.29	46	49.07	19.31	2.64	32.42	-	-	P	V
		321.97	36.2	-9.8	46	45.94	19.64	2.96	32.48	-	-	P	V
		403.45	39.18	-6.82	46	46.14	22.07	3.29	32.5	-	-	P	V
		740.04	37.56	-8.44	46	37.04	28	4.45	32.34	-	-	P	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against limit line.												
	3. 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:

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

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

For Peak Limit @ 5925MHz:

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

For Average Limit @ 5925MHz:

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

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



Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Fu Chen	Temperature :	21.5~22.3°C
		Relative Humidity :	47.4~56.3%

Note symbol

-L	Low channel location
-R	High channel location

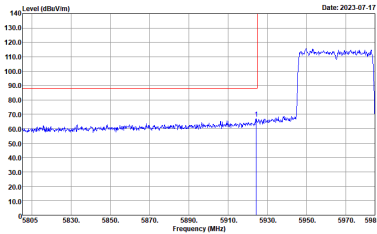
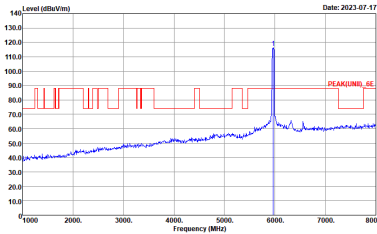
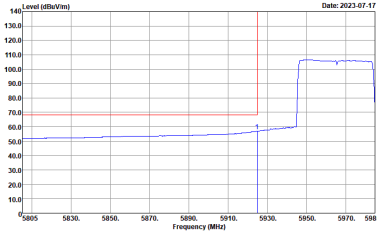
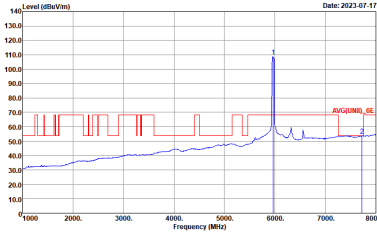


UNII-5 - 5925~6425MHz

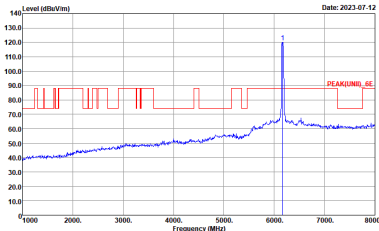
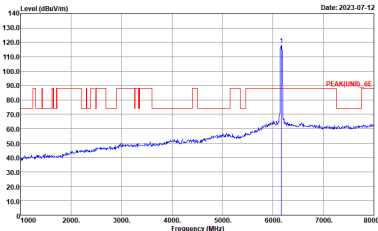
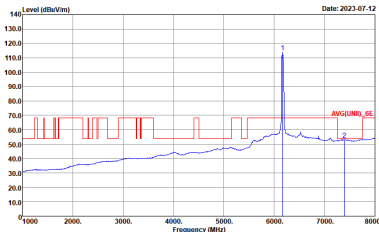
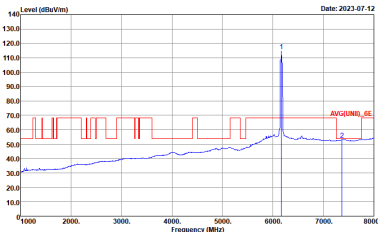
Single carrier 40M (Band Edge @ 3m)

	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	Single carrier 40M CH03 5965MHz	
16Tx	Horizontal	Fundamental
Peak	Site : 03CH02-CA Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH02-CA Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto



	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	Single carrier 40M CH03 5965MHz	
16Tx	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

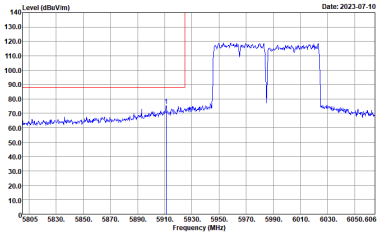
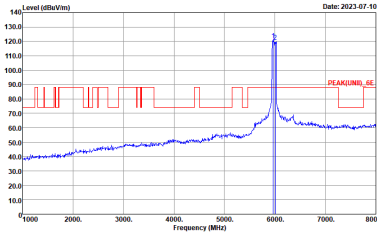
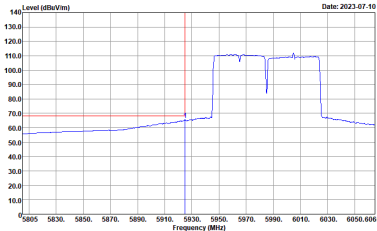
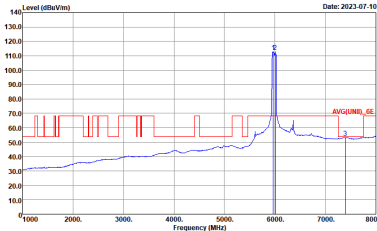


	UNII-5 5925~6425MHz Fundamental @ 3m	
ANT	Single carrier 40M Full CH43 6165MHz	
16Tx	Horizontal	Vertical
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2023-07-12 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Level (dBuV/m) Frequency (MHz) Date: 2023-07-12 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2023-07-12 Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Level (dBuV/m) Frequency (MHz) Date: 2023-07-12 Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto



	UNII-5 5925~6425MHz Fundamental @ 3m	
ANT	Single carrier 40M Full CH91 6405MHz	
16Tx	Horizontal	Vertical
Peak	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The plot shows a red line for the peak level and a blue line for the average level. A sharp peak is visible at approximately 6405 MHz, reaching a level of about 130 dBuV/m. The x-axis ranges from 1000 to 8000 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m. Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The plot shows a red line for the peak level and a blue line for the average level. A sharp peak is visible at approximately 6405 MHz, reaching a level of about 130 dBuV/m. The x-axis ranges from 1000 to 8000 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m. Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The plot shows a red line for the average level and a blue line for the peak level. A sharp peak is visible at approximately 6405 MHz, reaching a level of about 130 dBuV/m. The x-axis ranges from 1000 to 8000 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m. Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The plot shows a red line for the average level and a blue line for the peak level. A sharp peak is visible at approximately 6405 MHz, reaching a level of about 130 dBuV/m. The x-axis ranges from 1000 to 8000 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m. Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

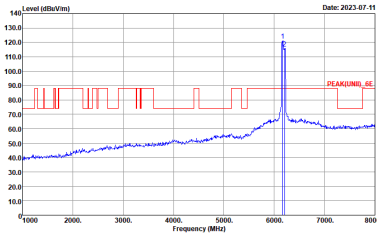
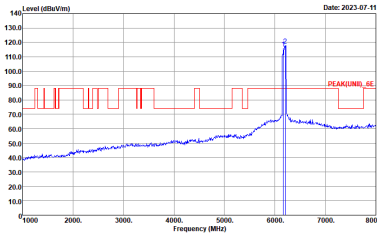
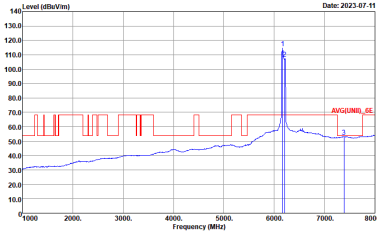
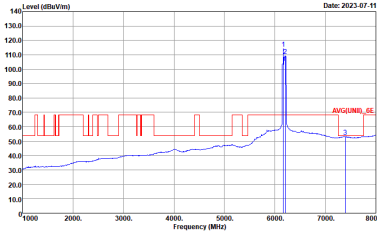
UNII-5 5925~6425MHz
Multiple carrier_contiguous 40M+40M (Band Edge @ 3m)

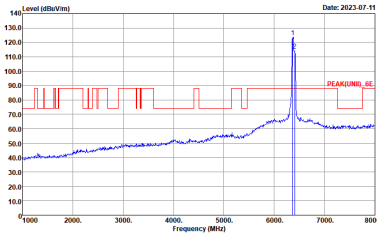
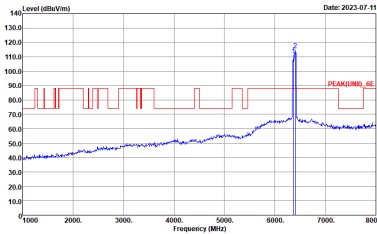
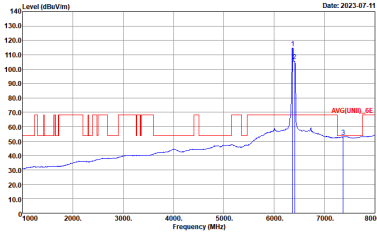
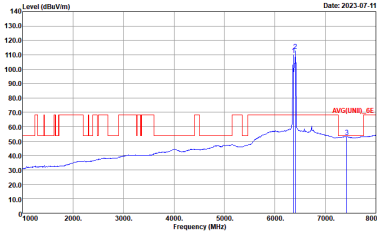
	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH03+CH11 5965M+6005MHz	
16Tx	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(UNIT1)_AE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT1)_AE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE(UNIT1)_AE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG(UNIT1)_AE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



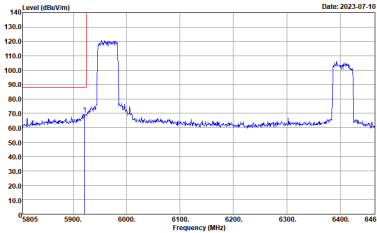
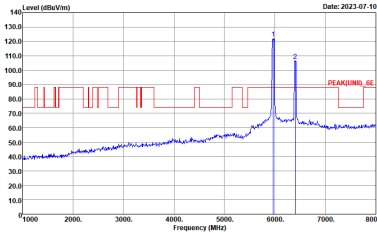
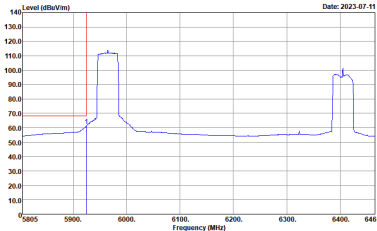
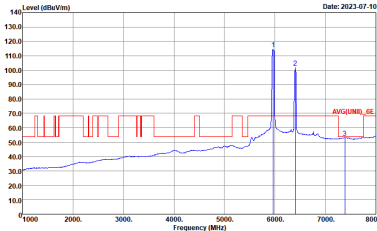
	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH03+CH11 5965M+6005MHz	
16Tx	Vertical	Fundamental
Peak	Site : 03CH02-CA Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH02-CA Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto



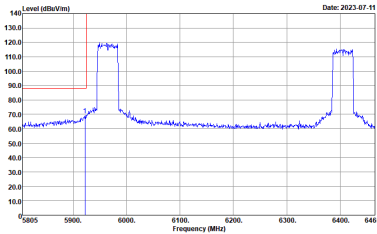
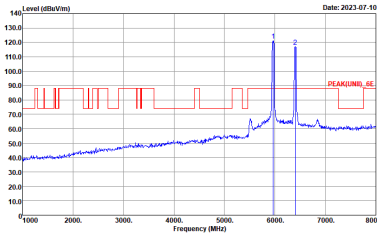
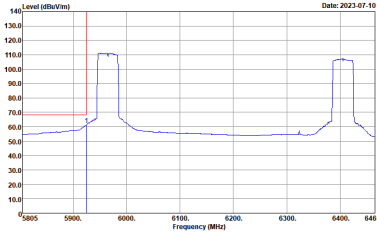
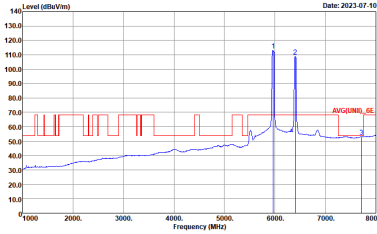
	UNII-5 5925~6425MHz Fundamental @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH43+CH51 6165M+6205MHz	
16Tx	Horizontal	Vertical
Peak	 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

UNII-5 5925~6425MHz Fundamental @ 3m		
ANT	Multiple carrier_contiguous 40M+40M CH83+CH91 6365M+6405MHz	
16Tx	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto
Avg.		

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

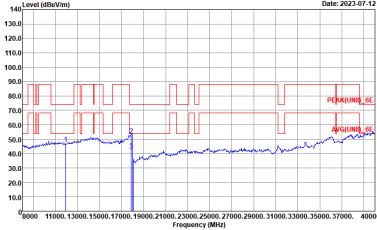
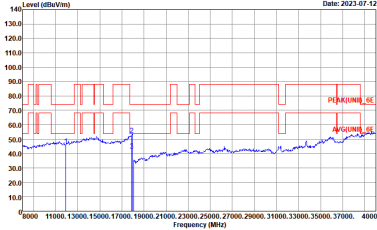
	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	Multiple carrier_non contiguous 40M+40M CH03+CH91 5965M+6405MHz	
16Tx	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(UNIT1)_AE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT1)_AE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE(UNIT1)_AE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG(UNIT1)_AE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



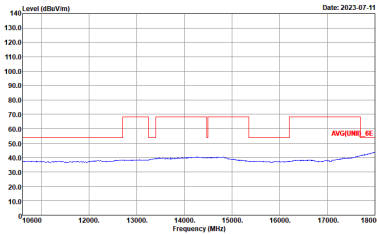
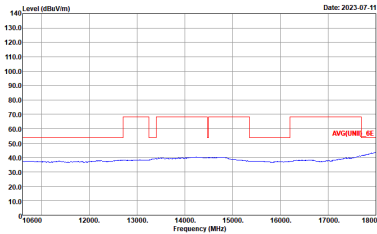
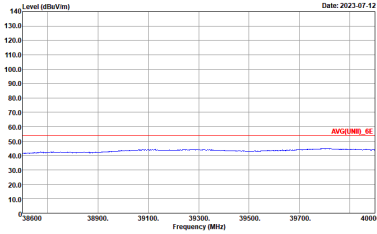
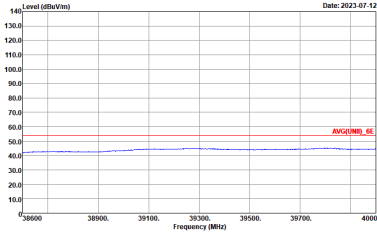
UNII-5 5925~6425MHz Band Edge @ 3m		
ANT	Multiple carrier_non contiguous 40M+40M CH03+CH91 5965M+6405MHz	
16Tx	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto



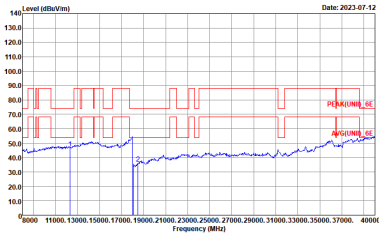
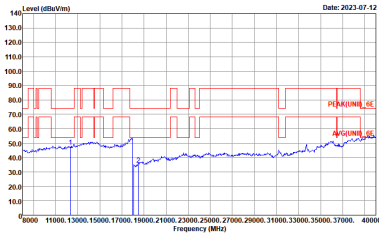
UNII-5 - 5925~6425MHz
Single carrier 40M (Harmonic @ 3m)

	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Single carrier 40M CH03 5965MHz	
16Tx	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 1m SHF_HORN_84L_220912 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 1m SHF_HORN_84L_220912 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

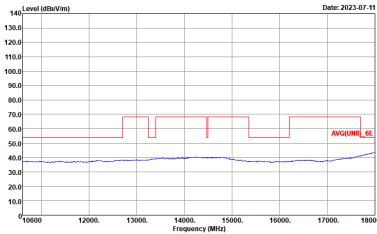
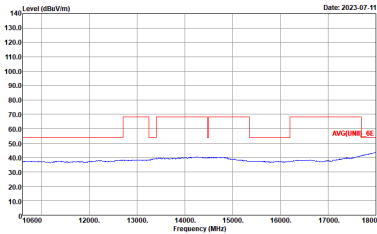
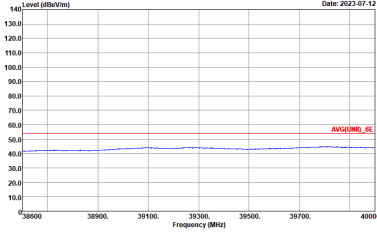
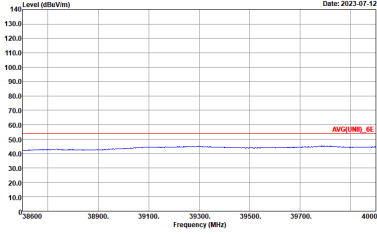


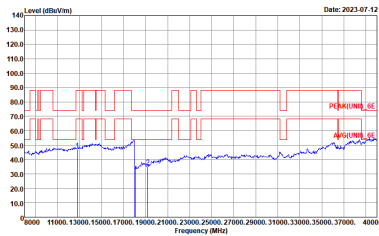
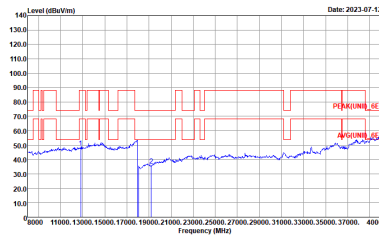
	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Single carrier 40M CH03 5965MHz	
16Tx	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto
38.6G ~40G Avg.	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_220912 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_220912 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto



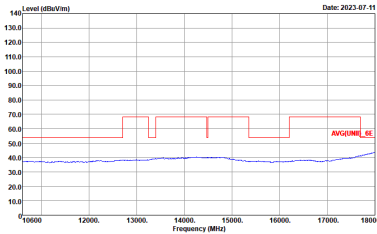
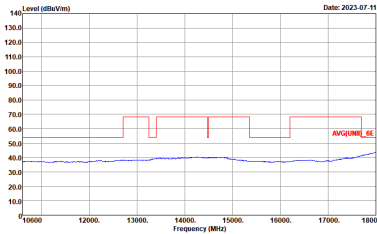
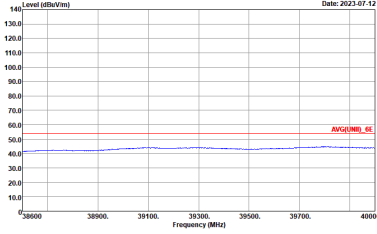
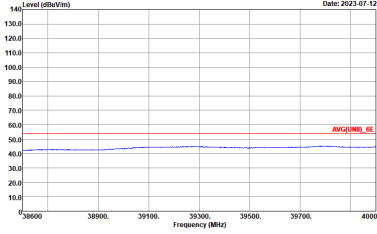
	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Single carrier 40M Full CH43 6165MHz	
16Tx	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_84L_220912 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_84L_220912 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Single carrier 40M Full CH43 6165MHz	
16Tx	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto
38.6G ~40G Avg.	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_220912 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_220912 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto

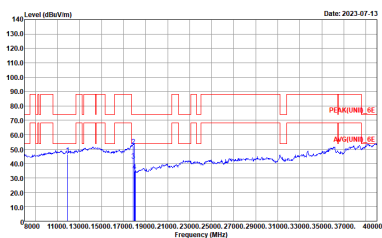
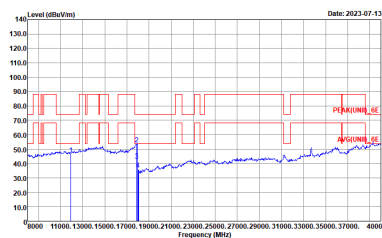
	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Single carrier 40M Full CH91 6405MHz	
16Tx	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII)_5E 1m SHF_HORN_84L_220912 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII)_5E 1m SHF_HORN_84L_220912 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



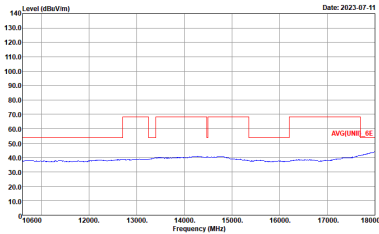
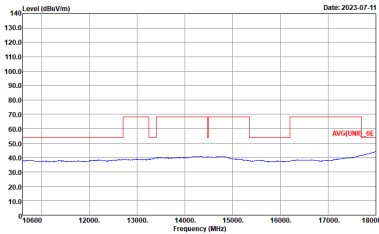
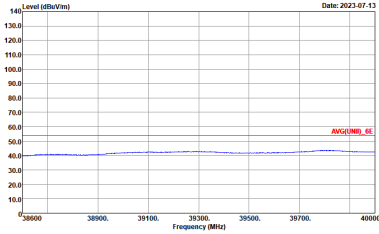
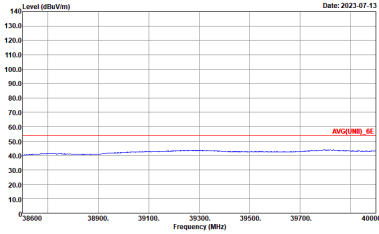
	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Single carrier 40M Full CH91 6405MHz	
16Tx	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto
38.6G ~40G Avg.	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_220912 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_220912 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto



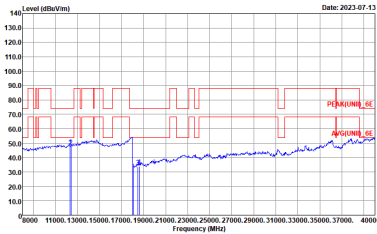
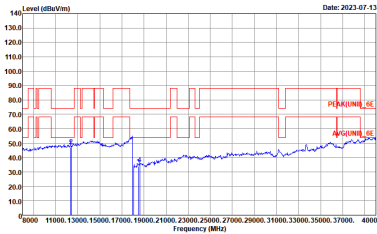
UNII-5 5925~6425MHz
Multiple carrier_contiguous 40M+40M (Harmonic @ 3m)

	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH03+CH11 5965M+6005MHz	
16Tx	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_84L_220912 HORIZONTAL :	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_84L_220912 VERTICAL :

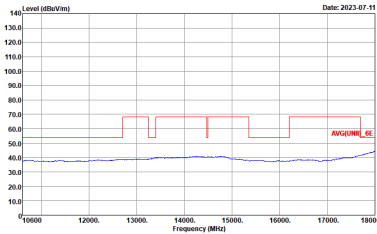
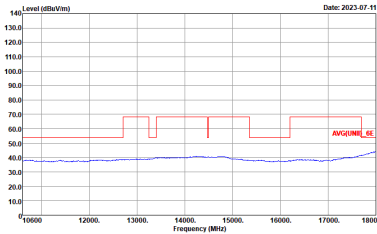
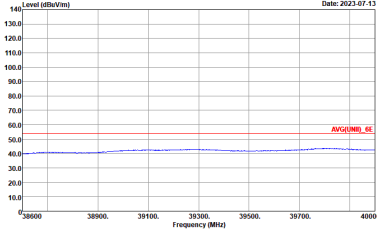
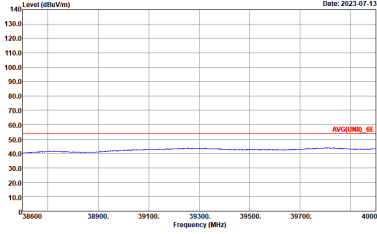


	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH03+CH11 5965M+6005MHZ	
16Tx	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL :	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 VERTICAL :
38.6G ~40G Avg.	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_220912 HORIZONTAL :	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_220912 VERTICAL :

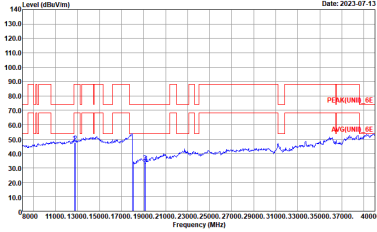
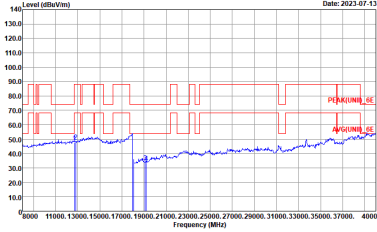


	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH43+CH51 6165M+6205MHz	
16Tx	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_220912 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_220912 VERTICAL

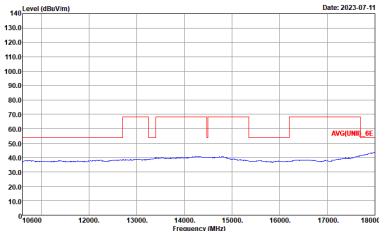
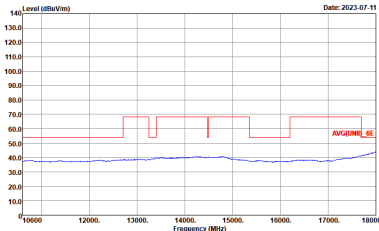
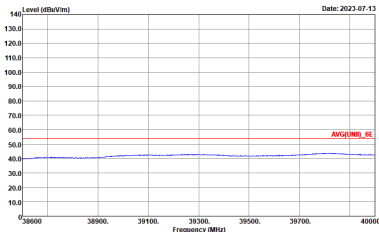
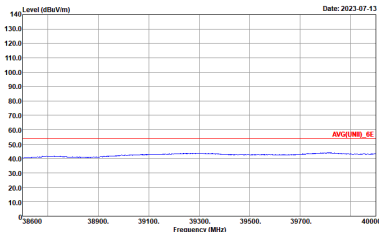


	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH43+CH51 6165M+6205MHz	
16Tx	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL :	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 VERTICAL :
38.6G ~40G Avg.	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_220912 HORIZONTAL :	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_220912 VERTICAL :

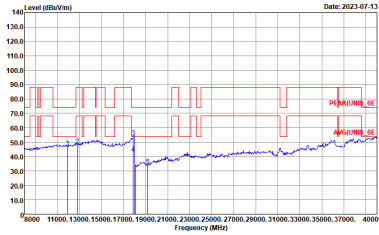
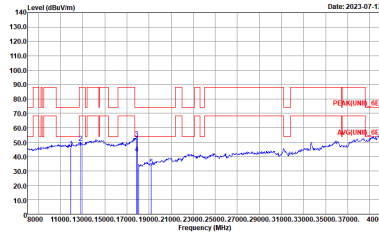


	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH83+CH91 6365M+6405MHz	
16Tx	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_220912 HORIZONTAL :	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_220912 VERTICAL :

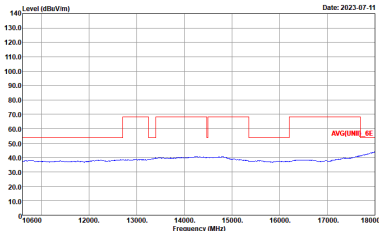
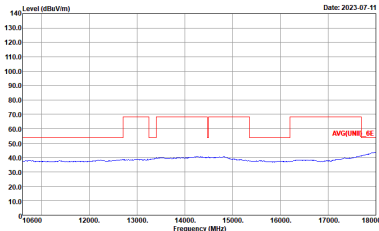
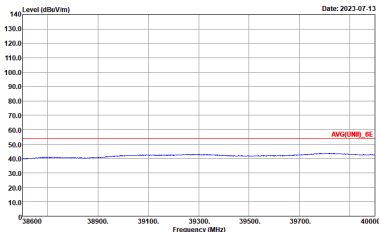
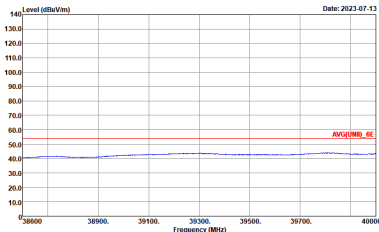


	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH83+CH91 6365M+6405MHz	
16Tx	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL :	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 VERTICAL :
38.6G ~40G Avg.	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_220912 HORIZONTAL :	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_220912 VERTICAL :

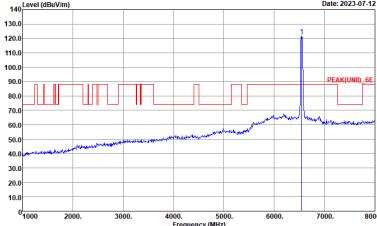
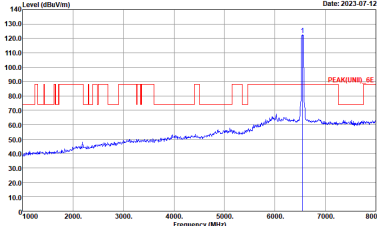
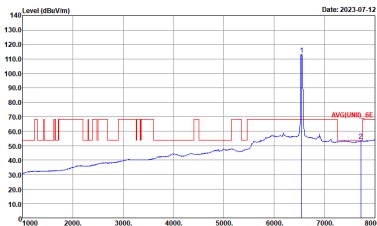
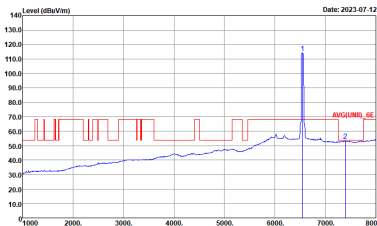
UNII-5 5925~6425MHz
Multiple carrier_non contiguous 40M+40M (Harmonic @ 3m)

	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Multiple carrier_non contiguous 40M+40M CH03+CH91 5965M+6405MHz	
16Tx	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_220912 HORIZONTAL :	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_220912 VERTICAL :

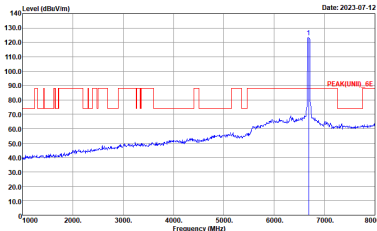
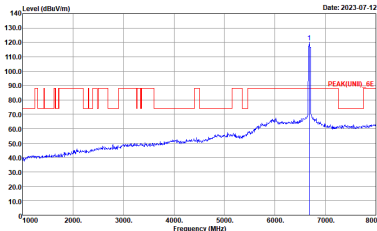
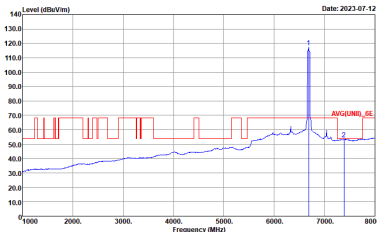
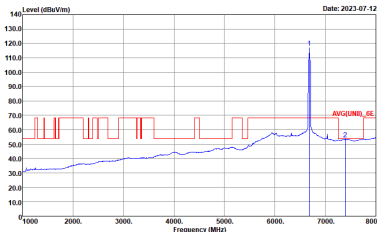


	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	Multiple carrier_non contiguous 40M+40M CH03+CH91 5965M+6405MHz	
16Tx	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL :	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 VERTICAL :
38.6G ~40G Avg.	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_220912 HORIZONTAL :	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_220912 VERTICAL :

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

	UNII-7 6525~6875MHz Fundamental @ 3m	
ANT	Single carrier 40M CH119 6545MHz	
16Tx	Horizontal	Vertical
Peak	 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

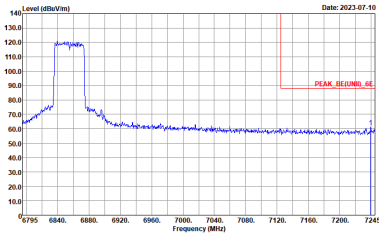
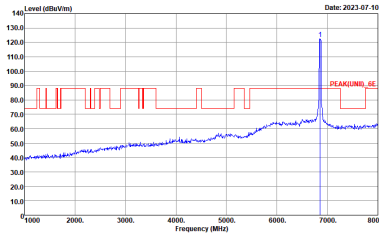
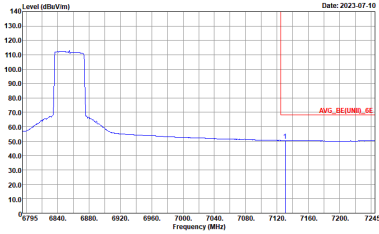
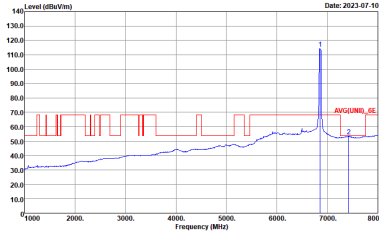


	UNII-7 6525~6875MHz Fundamental @ 3m	
ANT	Single carrier 40M CH147 6685MHz	
16Tx	Horizontal	Vertical
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2023-07-12 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Level (dBuV/m) Frequency (MHz) Date: 2023-07-12 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2023-07-12 Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Level (dBuV/m) Frequency (MHz) Date: 2023-07-12 Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

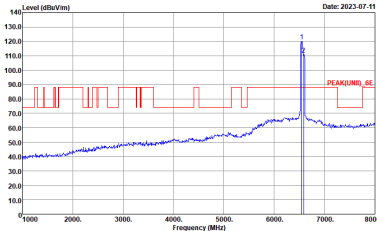
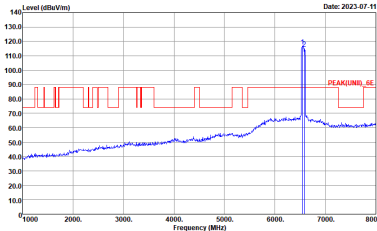
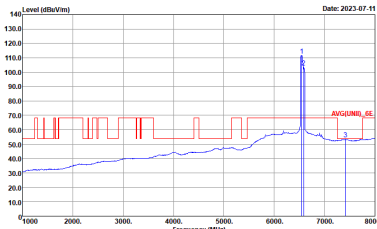
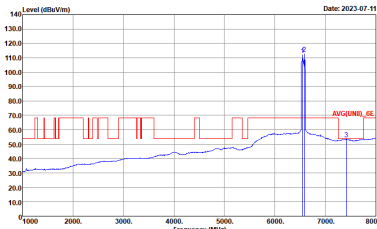


	UNII-7 6525~6875MHz Band Edge @ 3m	
ANT	Single carrier 40M Full CH181 6855MHz	
16Tx	Horizontal	Fundamental
Peak	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The plot shows a sharp peak at approximately 6855 MHz, reaching a level of about 120 dBuV/m. The x-axis ranges from 6795 to 7245 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m. A red line indicates the peak level. The date is 2023-07-10. Site : 03CH02-CA Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Level (dBuV/m) vs Frequency (MHz) plot for Fundamental polarization. The plot shows a sharp peak at approximately 6855 MHz, reaching a level of about 120 dBuV/m. The x-axis ranges from 1000 to 8000 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m. A red line indicates the peak level. The date is 2023-07-10. Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The plot shows a sharp peak at approximately 6855 MHz, reaching a level of about 120 dBuV/m. The x-axis ranges from 6795 to 7245 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m. A red line indicates the peak level. The date is 2023-07-10. Site : 03CH02-CA Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Level (dBuV/m) vs Frequency (MHz) plot for Fundamental polarization. The plot shows a sharp peak at approximately 6855 MHz, reaching a level of about 120 dBuV/m. The x-axis ranges from 1000 to 8000 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m. A red line indicates the peak level. The date is 2023-07-10. Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto



	UNII-7 6525~6875MHz Band Edge @ 3m	
ANT	Single carrier 40M Full CH181 6855MHz	
16Tx	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

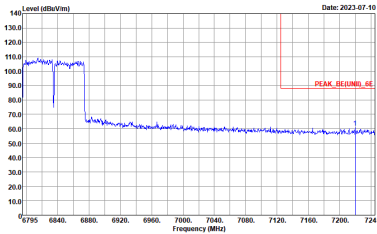
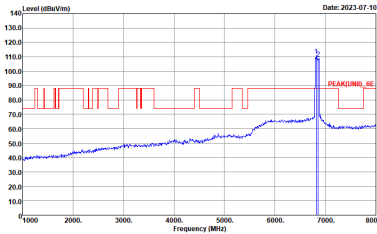
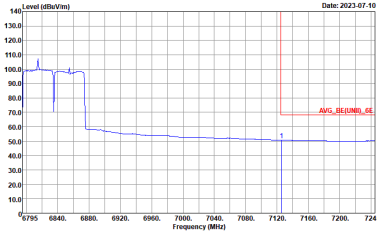
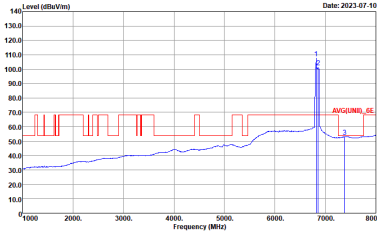
UNII-7 6525~6875MHz
Multiple carrier_contiguous 40M+40M (Band Edge @ 3m)

	UNII-7 6525~6875MHz Fundamental @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH119+CH127 6545M+6585MHz	
16Tx	Horizontal	Vertical
Peak	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

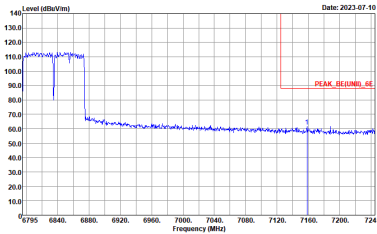
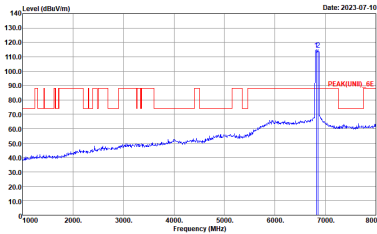
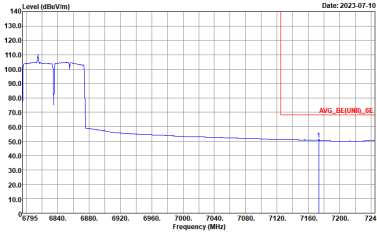
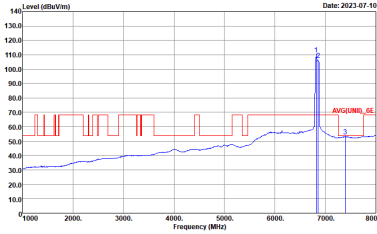


	UNII-7 6525~6875MHz Fundamental @ 3m	
ANT	Multiple carrier_contiguous 40M+40M Ch147+CH155 6685M+6725MHz	
16Tx	Horizontal	Vertical
Peak	Horizontal Peak Spectrum Plot showing Level (dBuV/m) vs Frequency (MHz) from 1000 to 8000 MHz. The plot shows a red line for the peak level and a blue line for the average level. A sharp peak is visible at approximately 6700 MHz, labeled 'PEAK(UNIT)_6E'. The date is 2023-07-11. Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Vertical Peak Spectrum Plot showing Level (dBuV/m) vs Frequency (MHz) from 1000 to 8000 MHz. The plot shows a red line for the peak level and a blue line for the average level. A sharp peak is visible at approximately 6700 MHz, labeled 'PEAK(UNIT)_6E'. The date is 2023-07-11. Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	Horizontal Average Spectrum Plot showing Level (dBuV/m) vs Frequency (MHz) from 1000 to 8000 MHz. The plot shows a red line for the average level and a blue line for the peak level. A sharp peak is visible at approximately 6700 MHz, labeled 'AVG(UNIT)_6E'. The date is 2023-07-11. Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Vertical Average Spectrum Plot showing Level (dBuV/m) vs Frequency (MHz) from 1000 to 8000 MHz. The plot shows a red line for the average level and a blue line for the peak level. A sharp peak is visible at approximately 6700 MHz, labeled 'AVG(UNIT)_6E'. The date is 2023-07-11. Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto
Avg.		

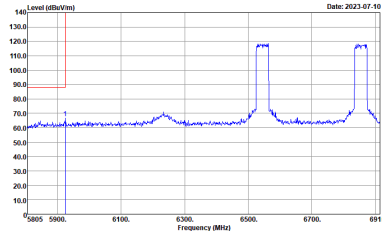
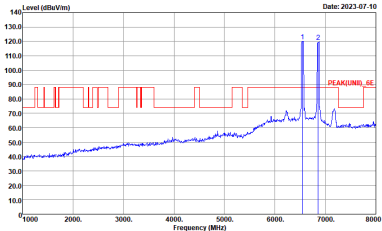
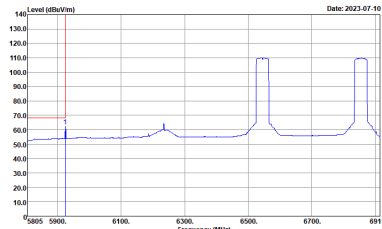
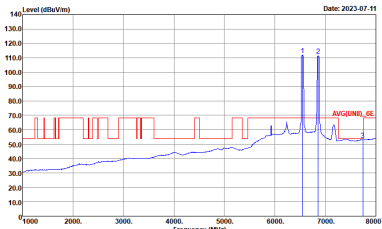


UNII-7 6525~6875MHz Band Edge @ 3m		
ANT	Multiple carrier_contiguous 40M+40M CH173+CH181 6815M+6855MHz	
16Tx	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AV6_BE(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

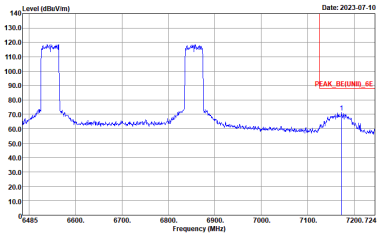
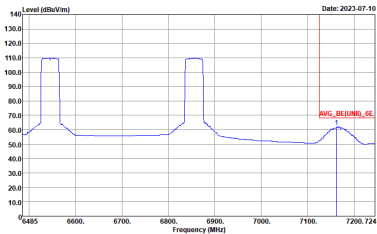


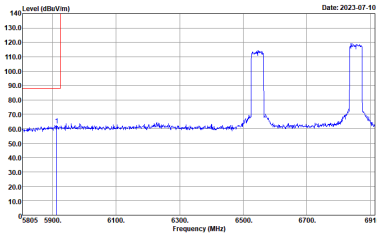
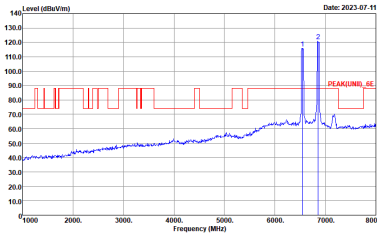
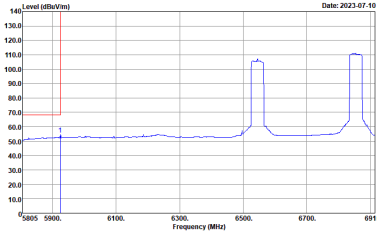
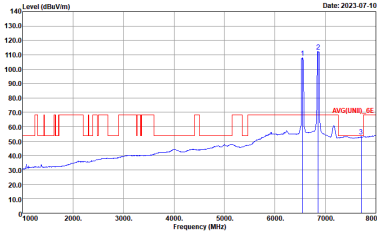
UNII-7 6525~6875MHz Band Edge @ 3m		
ANT	Multiple carrier_contiguous 40M+40M CH173+CH181 6815M+6855MHz	
16Tx	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH02-CA Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto
Avg.		

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

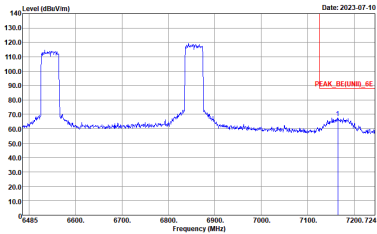
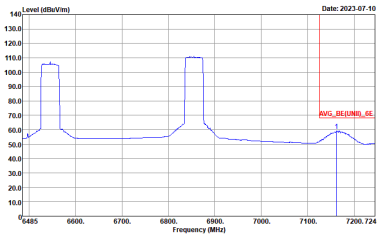
	UNII-7 6525~6875MHz Band Edge @ 3m	
ANT	Multiple carrier_non contiguous 40M+40M CH119+CH181 6545M+6855MHz	
16Tx	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(UNIT1)_AE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT1)_AE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE(UNIT1)_AE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG(UNIT1)_AE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



	UNII-7 6525~6875MHz Band Edge @ 3m	
ANT	Multiple carrier_non contiguous 40M+40M CH119+CH181 6545M+6855MHz	
16Tx	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left Blank
Avg.	 Site : 03CH02-CA Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left Blank

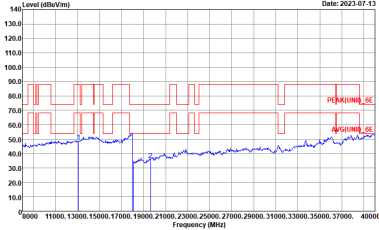
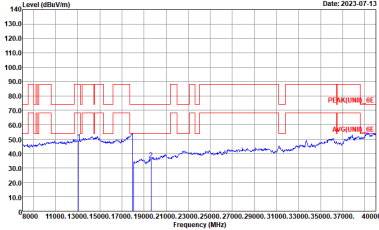
UNII-7 6525~6875MHz Band Edge @ 3m		
ANT	Multiple carrier_non contiguous 40M+40M CH119+CH181 6545M+6855MHz	
16Tx	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto



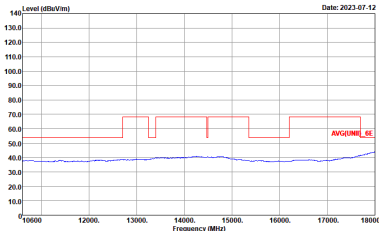
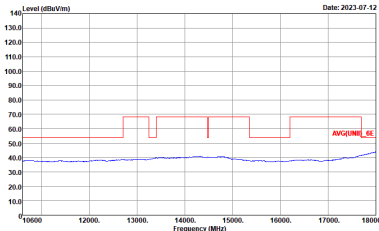
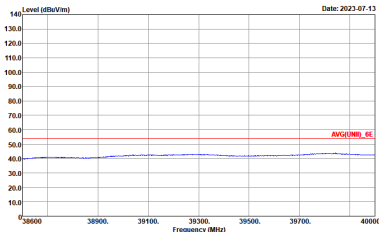
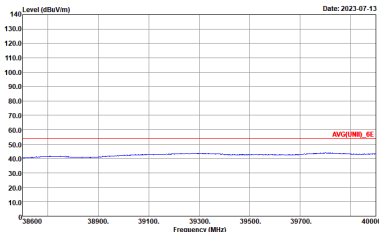
	UNII-7 6525~6875MHz Band Edge @ 3m	
ANT	Multiple carrier_non contiguous 40M+40M CH119+CH181 6545M+6855MHz	
16Tx	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Date: 2023-07-10	Left Blank
Avg.	 Site : 03CH02-CA Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto Date: 2023-07-10	Left Blank



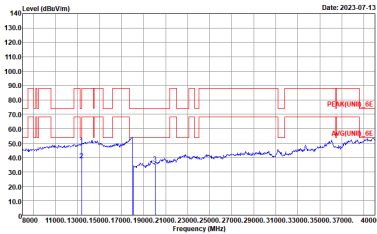
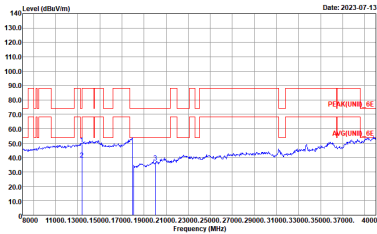
UNII-7 6525~6875MHz
Single carrier 40M (Harmonic @ 3m)

	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Single carrier 40M CH119 6545MHz	
16Tx	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_220912 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_220912 VERTICAL

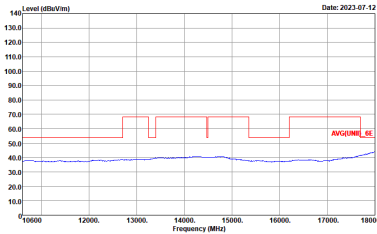
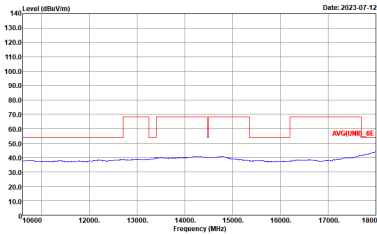
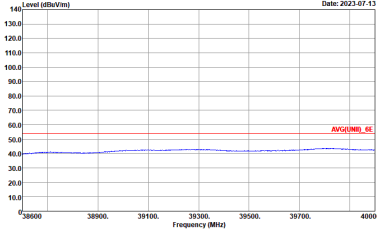
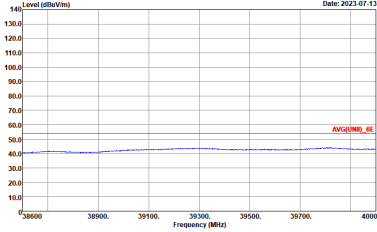


	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Single carrier 40M CH119 6545MHz	
16Tx	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL :	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 VERTICAL :
38.6G ~40G Avg.	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_220912 HORIZONTAL :	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_220912 VERTICAL :

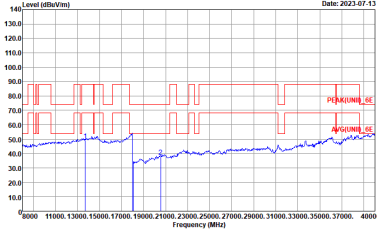
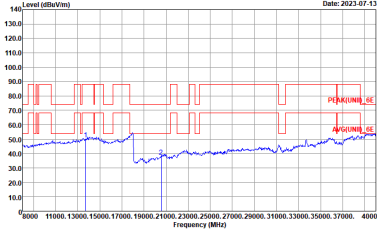


	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Single carrier 40M CH147 6685MHz	
16Tx	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_220912 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_220912 VERTICAL

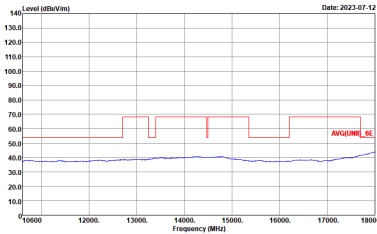
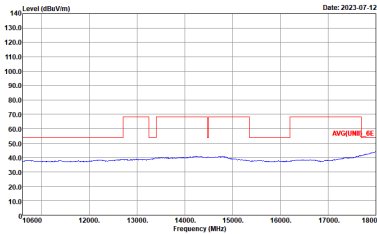
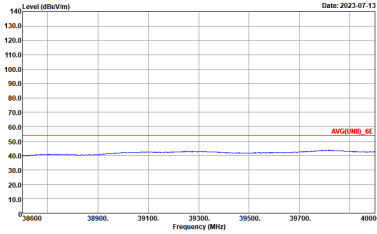
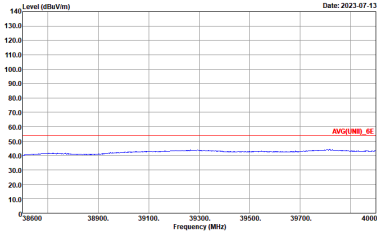


	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Single carrier 40M CH147 6685MHz	
16Tx	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 HORIZONTAL :	 Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 VERTICAL :
38.6G ~40G Avg.	 Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_220912 HORIZONTAL :	 Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_220912 VERTICAL :

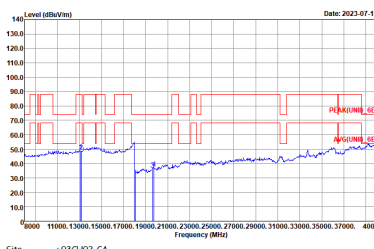
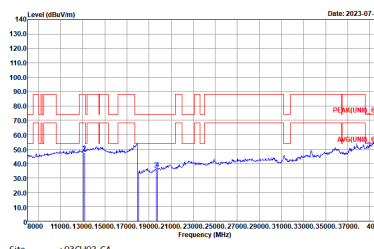


	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Single carrier 40M Full CH181 6855MHz	
16Tx	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_220912 HORIZONTAL :-	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 VERTICAL :-

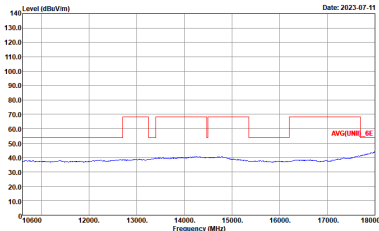
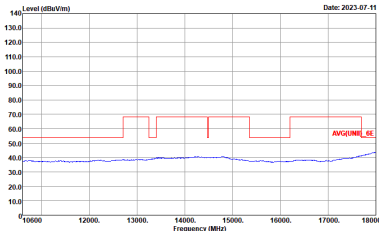
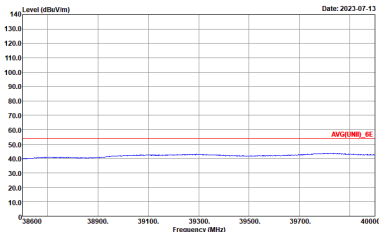
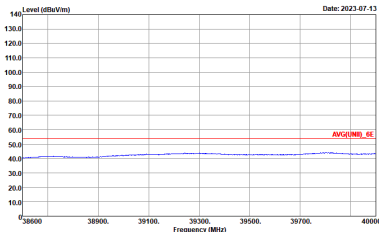


	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Single carrier 40M Full CH181 6855MHz	
16Tx	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL :	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 VERTICAL :
38.6G ~40G Avg.	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_220912 HORIZONTAL :	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_220912 VERTICAL :

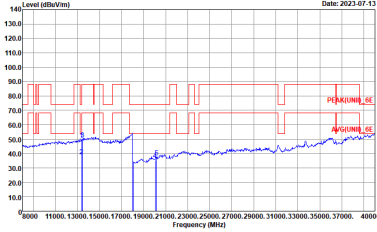
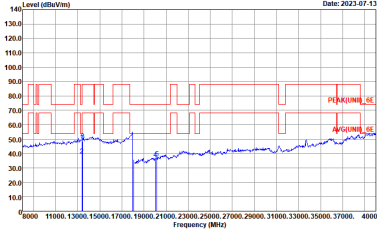
UNII-7 6525~6875MHz
Multiple carrier_contiguous 40M+40M (Harmonic @ 3m)

	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH119+CH127 6545M+6585MHz	
16Tx	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_220912 HORIZONTAL :	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_220912 VERTICAL :

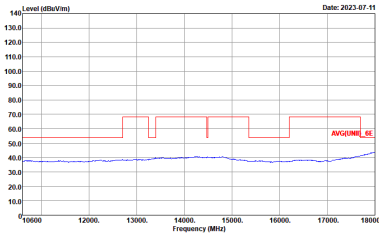
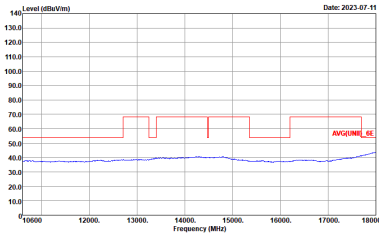
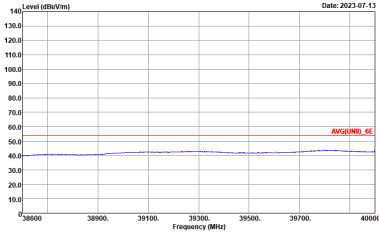
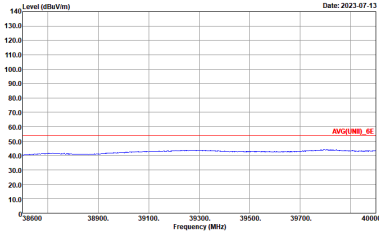


	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH119+CH127 6545M+6585MHz	
16Tx	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 HORIZONTAL :	 Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 VERTICAL :
38.6G ~40G Avg.	 Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_220912 HORIZONTAL :	 Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_220912 VERTICAL :

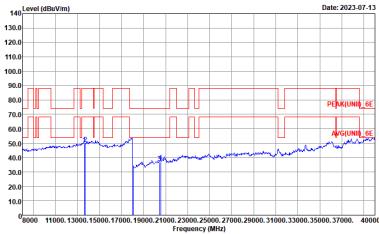
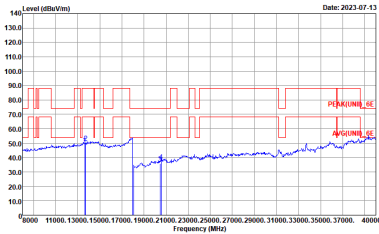


	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M Ch147+CH155 6685M+6725MHz	
16Tx	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_220912 HORIZONTAL :	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_220912 VERTICAL :

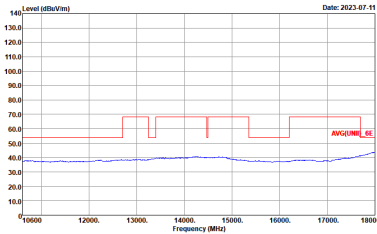
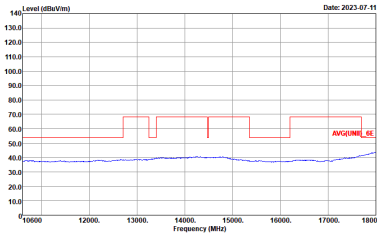
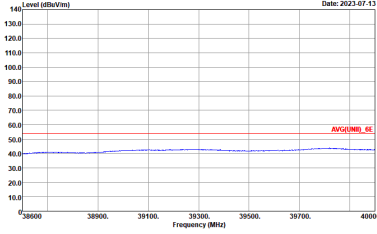
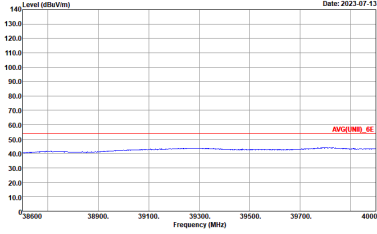


	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M Ch147+CH155 6685M+6725MHz	
16Tx	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL :	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 VERTICAL :
38.6G ~40G Avg.	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_220912 HORIZONTAL :	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_220912 VERTICAL :

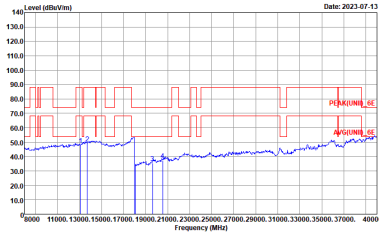
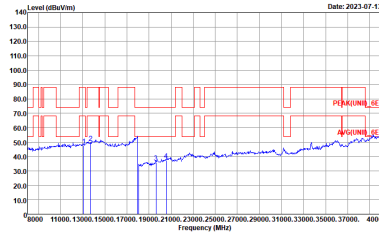


	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH173+CH181 6815M+6855MHZ	
16Tx	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_220912 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_220912 VERTICAL

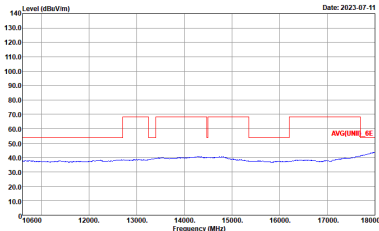
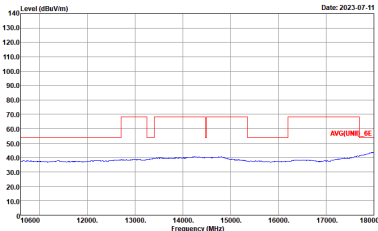
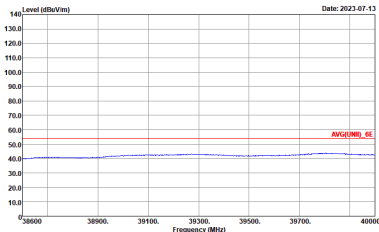
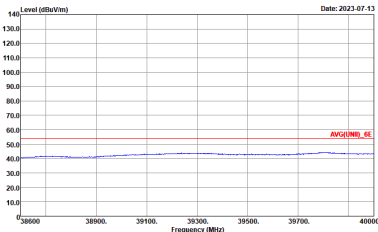


	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Multiple carrier_contiguous 40M+40M CH173+CH181 6815M+6855MHZ	
16Tx	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL :	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 VERTICAL :
38.6G ~40G Avg.	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_220912 HORIZONTAL :	 Site : 03CH02-CA Condition : AV6(UNIT)_6E 1m SHF_HORN_841_220912 VERTICAL :

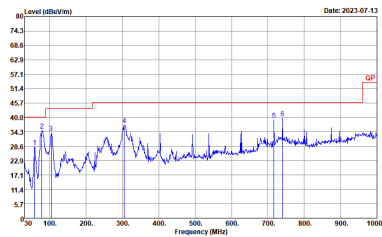
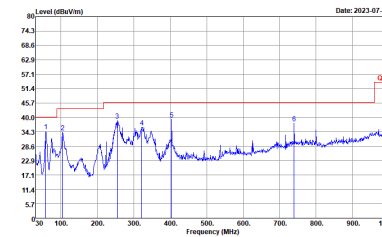
UNII-7 6525~6875MHz
Multiple carrier_non contiguous 40M+40M (Harmonic @ 3m)

	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Multiple carrier_non contiguous 40M+40M CH119+CH181 6545M+6855MHz	
16Tx	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_220912 HORIZONTAL :	 Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_841_220912 VERTICAL :



	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	Multiple carrier_non contiguous 40M+40M CH119+CH181 6545M+6855MHz	
16Tx	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 HORIZONTAL :	 Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 VERTICAL :
38.6G ~40G Avg.	 Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_220912 HORIZONTAL :	 Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_220912 VERTICAL :

Emission below 1GHz
WLAN 6GHz (LF @ 3m)

	WLAN 6GHz	
ANT	WLAN 6GHz LF	
16Tx	Horizontal	Vertical
Peak QP	 Site : 03CH02-CA Condition : QP 3m BIL06_54683_221101 HORIZONTAL	 Site : 03CH02-CA Condition : QP 3m BIL06_54683_221101 VERTICAL



Appendix E. Duty Cycle Plots

<Single Carrier>

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
16Tx	40MHz	100%	-	-	10Hz

