



FCC RADIO TEST REPORT

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

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

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

Approved by: Neil Kao

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



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History of this test report

Report No.	Version	Description	Issue Date
FR250228001B	01	Initial issue of report	May 02, 2025

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.407(a)(10)	26dB Emission Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
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)(7)	In-Band Emissions (Channel Mask)	Pass	-
-	15.407(d)(6)	Contention Based Protocol	Not Required	See Note
3.5	15.407(b)	Unwanted Emissions	Pass	-
3.6	15.207	AC Conducted Emission	Pass	-
3.7	15.203	Antenna Requirement	Pass	-

Note: CBP testing can be exempted since the equipment is categorize as Standard power access point device.

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 Proprietary radio 5G / 6G, CBRS and GNSS.		
Antenna Type Proprietary radio 6G: Array antenna		
Antenna information		
5925 MHz ~ 6425 MHz	Peak Gain (dBi)	16.84
6525 MHz ~ 6875 MHz	Peak Gain (dBi)	16.75

Remark:

1. The device is driving cross-polarized antenna, which has 8 horizontal polarization antenna and 8 vertical polarization antenna
2. Minimum number of spatial stream (Nss) is 8
3. The EUT is a fixed standard access point device operating in UNII-5.
Directional Gain (8H/8V) = $16.84\text{dBi} + 10\log(\text{Ntx} = 8 / \text{Nss} = 8) = 16.84\text{dBi}$
The EUT is a fixed standard access point device operating in UNII-7.
Directional Gain (8H/8V) = $16.75\text{dBi} + 10\log(\text{Ntx} = 8 / \text{Nss} = 8) = 16.75\text{dBi}$
4. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.



1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

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

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

FCC Designation No.: US1250

1.4 Applicable Standards

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

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB 987594 D02 U-NII 6 GHz EMC Measurement v03
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ ANSI C63.10-2020

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. 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).

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

2.1 Carrier Frequency and Channel

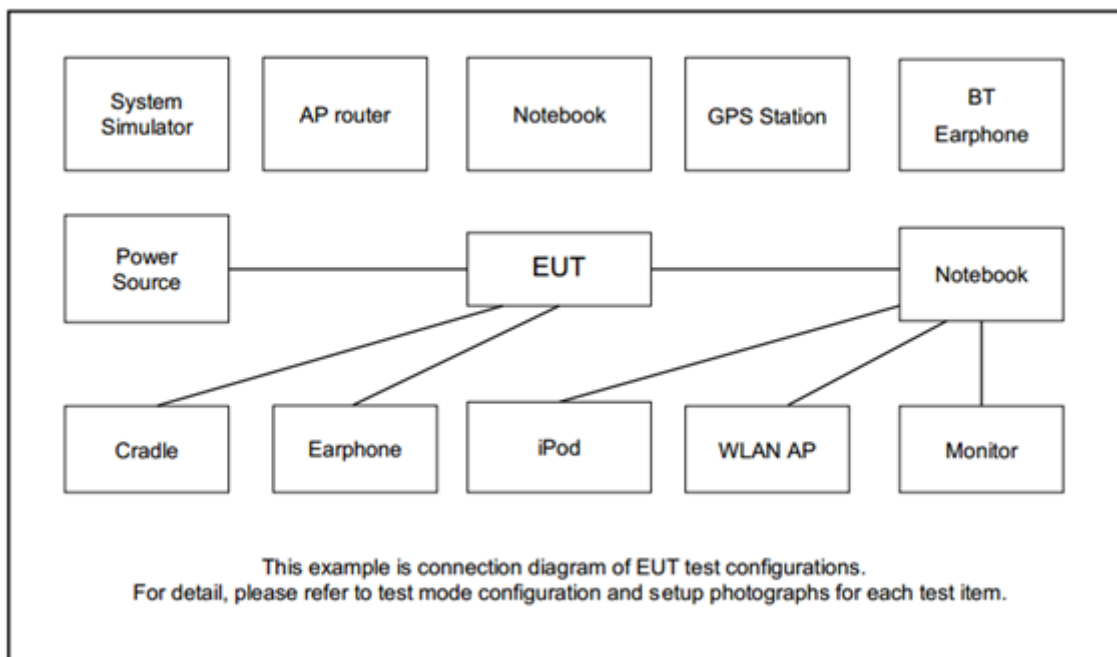
Frequency Band	Channel	Freq. (MHz)
5925-6425 MHz (U-NII-5) 40MHz	3	5965
	7	5985
	11	6005
	15	6025
	19	6045
	23	6065
	27	6085
	31	6105
	35	6125
	39	6145
	43	6165
	47	6185
	51	6205
	55	6225
	59	6245
	63	6265
	67	6285
	71	6305
	75	6325
	79	6345
	83	6365
	87	6385
	91	6405
5925-6425 MHz (U-NII-5) 40+40MHz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

Frequency Band	Channel	Freq. (MHz)
6525-685 MHz (U-NII-7) 40MHz	119	6545
	123	6565
	127	6585
	131	6605
	135	6625
	139	6645
	143	6665
	147	6685
	151	6705
	155	6725
	159	6745
	163	6765
	167	6785
	171	6805
	173	6815
	175	6825
	179	6845
	181	6855
6525-6875 MHz (U-NII-7) 40+40MHz	119 + 127	6545 + 6585
	147 + 155	6685 + 6725
	173 + 181	6815 + 6855
	119 + 181	6545 + 6855
6525-6875 MHz (U-NII-7) 40+40+40MHz	119 + 127 + 135	6545 + 6585 + 6625
	139 + 147 + 155	6645 + 6685 + 6725
	165 + 173 + 181	6775 + 6815 + 6855
	119 + 147 + 181	6545 + 6685 + 6855
6525-6875 MHz (U-NII-7) 40+40+40+40 MHz	119+127+135+143	6545+6585+6625+6665
	139+147+155+163	6645+6685+6725+6765
	157+165+173+181	6735+6775+6815+6855
	119+139+159+181	6545+6645+6745+6855

2.2 Test Mode

Test Cases	
AC Conducted Emission	Mode 1 : 6GHz TX + Adapter
Remark: 1. The detailed Radiated test modes are shown in Appendix C. 2. Based on ANSI C63.10 clause 5.6.2.2, b) Spurious emissions, measure the mode with the highest output power and the mode with highest output power spectral density for each modulation family.	

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

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

2.5 EUT Operation Test Setup

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

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

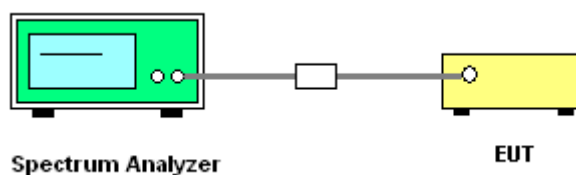
3.1.2 Measuring Instruments

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.

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.

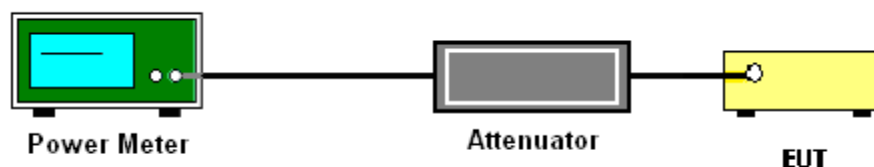
3.2.3 Test Procedures

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

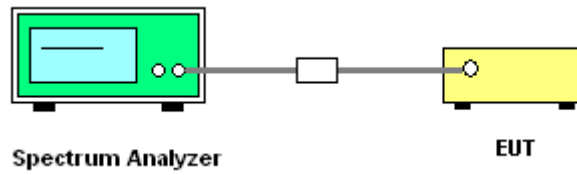
The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section F) Maximum power spectral density.

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.

3.4 In-Band Emissions (Channel Mask)

3.4.1 Limit of Unwanted Emissions

<FCC 14-30 CFR 15.407>

(b)(7) 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

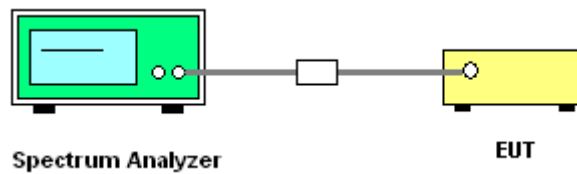
The testing follows FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01.

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

Please refer to Appendix A.

3.5 Unwanted Emissions Measurement

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

3.5.2 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.

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

3.5.3 Measuring Instruments

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

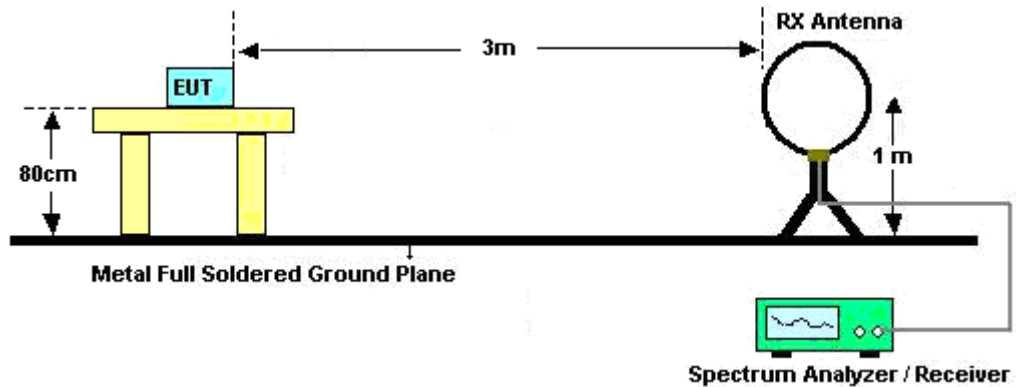
3.5.4 Test Procedures

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 “-”.

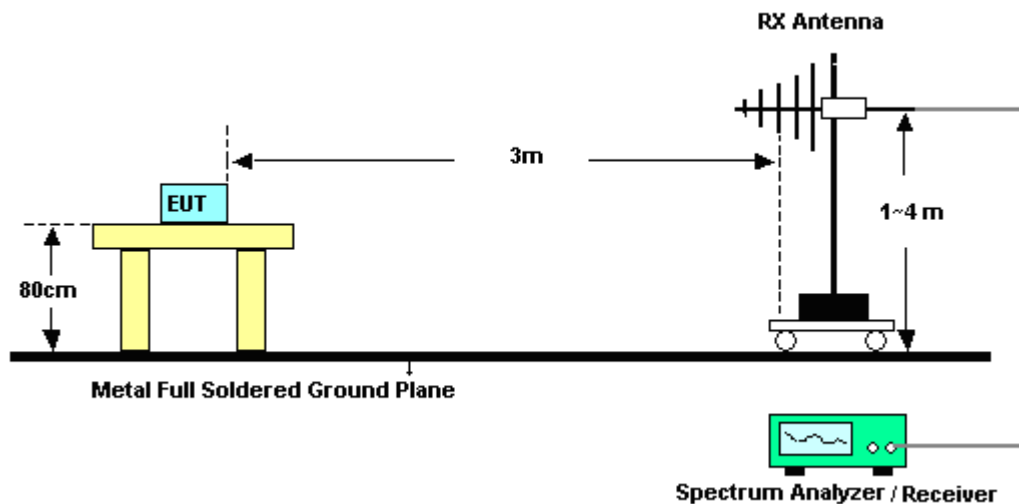
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with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

3.5.5 Test Setup

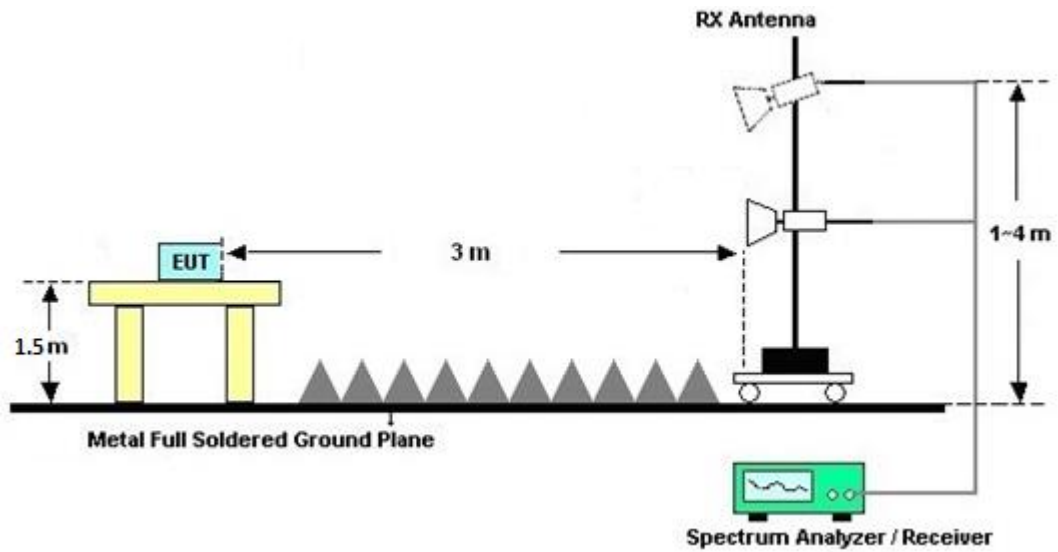
For radiated emissions below 30MHz



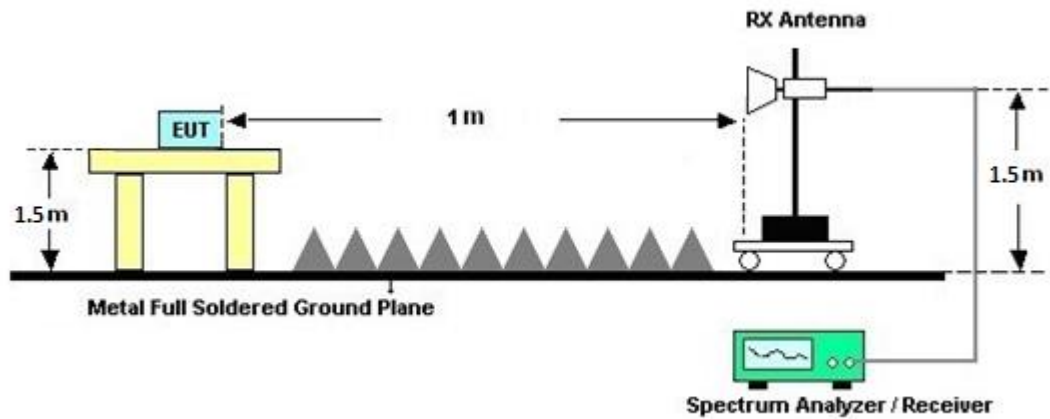
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz





3.5.6 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.

3.5.7 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.5.8 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix C.

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.

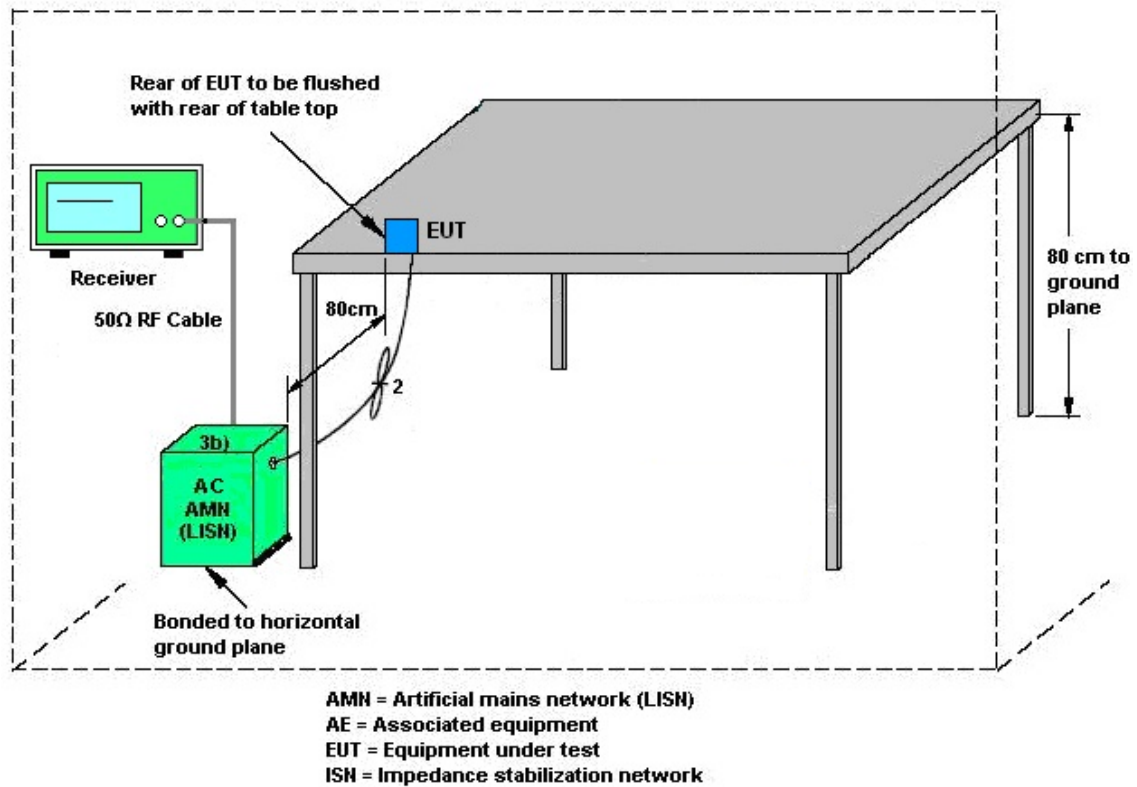
3.6.2 Measuring Instruments

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

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

3.7.2 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
Bilog Antenna	TESEQ	6111D	54683	30MHz~1GHz	Nov. 15, 2024	Apr. 09, 2025~ Apr. 22, 2025	Nov. 14, 2025	Radiation (03CH01-CA)
Loop Antenna	R&S	HFH2-Z2E	100840	9kHz~30MHz	May 02, 2024	Apr. 09, 2025~ Apr. 22, 2025	May 01, 2025	Radiation (03CH01-CA)
Horn Antenna	SCHWARZBE CK	BBHA 9120D	02113	1GHz~18GHz	Apr. 26, 2024	Apr. 09, 2025~ Apr. 22, 2025	Apr. 25, 2025	Radiation (03CH01-CA)
Horn Antenna	SCHWARZBE CK	BBHA 9120D	02115	1GHz~18GHz	Aug. 06, 2024	Apr. 09, 2025~ Apr. 22, 2025	Aug. 05, 2025	Radiation (03CH01-CA)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA9170	00841	18GHz~40GHz	Aug. 07, 2024	Apr. 09, 2025~ Apr. 22, 2025	Aug. 06, 2025	Radiation (03CH01-CA)
Amplifier	SONOMA	310N	372241	9kHz~1GHz	Apr. 24, 2024	Apr. 09, 2025~ Apr. 22, 2025	Apr. 23, 2025	Radiation (03CH01-CA)
Filter	Wainwright	WFIL-H8000-2 5000F-01	WR32BNW2B 1	NA	Jun. 04, 2024	Apr. 09, 2025~ Apr. 22, 2025	Jun. 03, 2025	Radiation (03CH01-CA)
Filter	Wainwright	WHKX8-5872. 5-6750-18000- 40ST	SN8	NA	Jun. 04, 2024	Apr. 09, 2025~ Apr. 22, 2025	Jun. 03, 2025	Radiation (03CH01-CA)
Filter	Wainwright	WLK12-1200-1 272-11000-40 SS	SN1	1.2GHz Low Pass Filter	Jun. 04, 2024	Apr. 09, 2025~ Apr. 22, 2025	Jun. 03, 2025	Radiation (03CH01-CA)
Preamplifier	Keysight	83017A	MY53270321	1GHz~26.5GHz	Apr. 25, 2024	Apr. 09, 2025~ Apr. 22, 2025	Apr. 24, 2025	Radiation (03CH01-CA)
Preamplifier	E-instrument	ERA-100M-18 G-56-01-A70	EC1900252	1GHz~18GHz	Apr. 24, 2024	Apr. 09, 2025~ Apr. 22, 2025	Apr. 23, 2025	Radiation (03CH01-CA)
Preamplifier	EMEC	EMC18G40G	060726	18G-40G	Apr. 24, 2024	Apr. 09, 2025~ Apr. 22, 2025	Apr. 23, 2025	Radiation (03CH01-CA)
RF Cable	HUBER+SUH NER	SUCOFLEX 102	8015932/2, 8015762/2, 804938/2	N/A	Mar. 04, 2025	Apr. 09, 2025~ Apr. 22, 2025	Mar. 03, 2026	Radiation (03CH01-CA)
Hygrometer	TESEO	608-H1	45142559	N/A	Aug. 14, 2024	Apr. 09, 2025~ Apr. 22, 2025	Aug. 13, 2025	Radiation (03CH01-CA)
Controller	Chaintek	EM-1000	060881	Control Turn Table & Antenna Mast	N/A	Apr. 09, 2025~ Apr. 22, 2025	N/A	Radiation (03CH01-CA)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Apr. 09, 2025~ Apr. 22, 2025	N/A	Radiation (03CH01-CA)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Apr. 09, 2025~ Apr. 22, 2025	N/A	Radiation (03CH01-CA)
Test Software	Audix E3	E3 230621 Sporton US,V9	PK-002093	N/A	N/A	Apr. 09, 2025~ Apr. 22, 2025	N/A	Radiation (03CH01-CA)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LISN	TESEQ	NNB51	47415	N/A	Aug. 14, 2024	Apr. 24, 2025	Aug. 13, 2025	Conduction (CO01-CA)
LISN	TESEQ	NNB51	47407	N/A	Apr. 15, 2025	Apr. 24, 2025	Apr. 14, 2026	Conduction (CO01-CA)
EMI Test Receiver	R&S	ESR7	102177	9kHz~7GHz	Apr. 15, 2025	Apr. 24, 2025	Apr. 14, 2026	Conduction (CO01-CA)
Pulse limiter with 10dB attenuation	R&S	VTSD 9561-F N	9561-F-N00412	N/A	Jun. 04, 2024	Apr. 24, 2025	Jun. 03, 2025	Conduction (CO01-CA)
LISN Cable	HUBER+SUHNER	RG-214/U	LISN cable -01	N/A	Jun. 04, 2024	Apr. 24, 2025	Jun. 03, 2025	Conduction (CO01-CA)
Test Software	R&S	EMC32 V10.30.0	N/A	N/A	N/A	Apr. 24, 2025	N/A	Conduction (CO01-CA)
Hygrometer	Testo	608-H1	45141354	N/A	Aug. 14, 2024	Apr. 02, 2025~ Apr. 07, 2025	Aug. 13, 2025	Conducted (TH01-CA)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101545	10Hz-40GHz	Apr. 25, 2024	Apr. 02, 2025~ Apr. 07, 2025	Apr. 24, 2025	Conducted (TH01-CA)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101089	10Hz-40GHz	Apr. 24, 2024	Apr. 02, 2025~ Apr. 07, 2025	Apr. 23, 2025	Conducted (TH01-CA)
Switch Box	EM Electronics	EMSW18	SW1070901-DDTB6SW5A4	N/A	Jul. 16, 2024	Apr. 02, 2025~ Apr. 07, 2025	Jul. 15, 2025	Conducted (TH01-CA)
Switch Box	EM Electronics	EMSW26	1090304	N/A	Oct. 10, 2024	Apr. 02, 2025~ Apr. 07, 2025	Oct. 09, 2025	Conducted (TH01-CA)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.9 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.7 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.5 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.5 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Venkata Kondepudi	Temperature:	18.3~21.00℃	℃
Test Date:	2025/04/02~2025/04/07	Relative Humidity:	44.00~50.00%	%

Conducted Power on Port 0H

BW	Freq (MHz)	Conducted Power Carrier 0 (dBm)	Conducted Power Carrier 1 (dBm)	Conducted Power Carrier 2 (dBm)	Conducted Power Carrier 3 (dBm)	Conducted Power (dBm)	MIMO Factor (dB)	Antenna Gain (dBi)	DG (dBi)	Total Conducted Power (dBm)	Total EIRP (dBm)	EIRP Limit (dBm)	Pass/Fail
40MHz	5965	-	-	-	-	7.06	12.04	16.84	16.84	19.10	35.94	36	Pass
	6165	-	-	-	-	7.05	12.04	16.84	16.84	19.09	35.93	36	Pass
	6405	-	-	-	-	7.06	12.04	16.84	16.84	19.10	35.94	36	Pass
40 + 40MHz	5965+6005	-	-	-	-	7.04	12.04	16.84	16.84	19.08	35.92	36	Pass
	6165+6205	-	-	-	-	7.06	12.04	16.84	16.84	19.10	35.94	36	Pass
	6365+6405	-	-	-	-	7.1	12.04	16.84	16.84	19.14	35.98	36	Pass
40+40+40MHz	5965+6005+6045	-	-	-	-	7.09	12.04	16.84	16.84	19.13	35.97	36	Pass
	6165+6205+6245	-	-	-	-	7.06	12.04	16.84	16.84	19.10	35.94	36	Pass
	6325+6365+6405	-	-	-	-	7.07	12.04	16.84	16.84	19.11	35.95	36	Pass
40+40+40+40MHz	5965+6005+6045+6085	-	-	-	-	7.08	12.04	16.84	16.84	19.12	35.96	36	Pass
	6125+6165+6205+6245	-	-	-	-	7.06	12.04	16.84	16.84	19.10	35.94	36	Pass
	6285+6325+6365+6405	-	-	-	-	7.12	12.04	16.84	16.84	19.16	36.00	36	Pass
40+40MHz Non-contiguous	5965+6405	3.96	4.06	-	-	7.02	12.04	16.84	16.84	19.06	35.90	36	Pass
40+40+40MHz Non-contiguous	5965+6165+6405	2.29	2.28	2.35	-	7.08	12.04	16.84	16.84	19.12	35.96	36	Pass
40+40+40+40MHz Non-contiguous	5965+6085+6205+6405	1.05	1.05	1	1.09	7.07	12.04	16.84	16.84	19.11	35.95	36	Pass

PSD on Port 0H

BW	Freq (MHz)	Conducted PSD Carrier 0 (dBm/MHz)	Conducted PSD Carrier 1 (dBm/MHz)	Conducted PSD Carrier 2 (dBm/MHz)	Conducted PSD Carrier 3 (dBm/MHz)	Conducted PSD (dBm/MHz)	MIMO Factor (dB)	Antenna Gain (dBi)	DG (dBi)	Total Conducted PSD (dBm/MHz)	Total EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass/Fail
40MHz	5965	-	-	-	-	-8.09	12.04	16.84	16.84	3.95	20.79	23	Pass
	6165	-	-	-	-	-7.77	12.04	16.84	16.84	4.27	21.11	23	Pass
	6405	-	-	-	-	-8.18	12.04	16.84	16.84	3.86	20.70	23	Pass
40 + 40MHz	5965+6005	-	-	-	-	-11.05	12.04	16.84	16.84	0.99	17.83	23	Pass
	6165+6205	-	-	-	-	-10.64	12.04	16.84	16.84	1.40	18.24	23	Pass
	6365+6405	-	-	-	-	-10.41	12.04	16.84	16.84	1.63	18.47	23	Pass
40+40+40MHz	5965+6005+6045	-	-	-	-	-12.54	12.04	16.84	16.84	-0.50	16.34	23	Pass
	6165+6205+6245	-	-	-	-	-12.41	12.04	16.84	16.84	-0.37	16.47	23	Pass
	6325+6365+6405	-	-	-	-	-12.29	12.04	16.84	16.84	-0.25	16.59	23	Pass
40+40+40+40MHz	5965+6005+6045+6085	-	-	-	-	-13.60	12.04	16.84	16.84	-1.56	15.28	23	Pass
	6125+6165+6205+6245	-	-	-	-	-13.62	12.04	16.84	16.84	-1.58	15.26	23	Pass
	6285+6325+6365+6405	-	-	-	-	-13.21	12.04	16.84	16.84	-1.17	15.67	23	Pass
40+40MHz Non-contiguous	5965+6405	-11.04	-10.94	-	-	-10.94	12.04	16.84	16.84	1.10	17.94	23	Pass
40+40+40MHz Non-contiguous	5965+6165+6405	-12.41	-12.57	-12.61	-	-12.41	12.04	16.84	16.84	-0.37	16.47	23	Pass
40+40+40+40MHz Non-contiguous	5965+6085+6205+6405	-13.83	-13.9	-13.84	-13.71	-13.71	12.04	16.84	16.84	-1.67	15.17	23	Pass

BW	Freq (MHz)	26dB BW Carrier 0 (MHz)	26dB BW Carrier 1 (MHz)	26dB BW Carrier 2 (MHz)	26dB BW Carrier 3 (MHz)	OBW Carrier 0 (MHz)	OBW Carrier 1 (MHz)	OBW Carrier 2 (MHz)	OBW Carrier 3 (MHz)	26dB BW (MHz)	OBW (MHz)
40MHz	5965	-	-	-	-	-	-	-	-	39.78	37.48
	6165	-	-	-	-	-	-	-	-	38.82	37.49
	6405	-	-	-	-	-	-	-	-	39.78	37.50
40 + 40MHz	5965+6005	-	-	-	-	-	-	-	-	79.81	76.96
	6165+6205	-	-	-	-	-	-	-	-	79.74	76.97
	6365+6405	-	-	-	-	-	-	-	-	79.78	77.02
40+40+40MHz	5965+6005+6045	-	-	-	-	-	-	-	-	122.15	117.71
	6165+6205+6245	-	-	-	-	-	-	-	-	122.17	117.60
	6325+6365+6405	-	-	-	-	-	-	-	-	122.17	117.49
40+40+40+40MHz	5965+6005+6045+6085	-	-	-	-	-	-	-	-	162.10	157.52
	6125+6165+6205+6245	-	-	-	-	-	-	-	-	162.10	157.42
	6285+6325+6365+6405	-	-	-	-	-	-	-	-	162.14	157.40
40+40MHz Non-contiguous	5965+6405	39.79	39.79	-	-	37.52	37.56	-	-	79.58	75.07
40+40+40MHz Non-contiguous	5965+6165+6405	39.81	39.79	39.78	-	38.06	37.95	37.99	-	119.38	113.99
40+40+40+40MHz Non-contiguous	5965+6085+6205+6405	39.74	39.76	39.74	39.78	37.50	38.29	38.24	38.30	159.02	152.31

Conducted Output Power
Antenna Gain = 16.84dBi
Directional Gain (8H/8V) = 16.84dBi + 10log(Nbx = 8 / Nss = 8) = 16.84dBi

Power Spectral Density
Antenna Gain = 16.84dBi
Directional Gain (8H/8V) = 16.84dBi + 10log(Nbx = 8 / Nss = 8) = 16.84dBi

Conducted Power on Port 0H

BW	Freq (MHz)	Conducted Power Carrier 0 (dBm)	Conducted Power Carrier 1 (dBm)	Conducted Power Carrier 2 (dBm)	Conducted Power Carrier 3 (dBm)	Conducted Power (dBm)	MIMO Factor (dB)	Antenna Gain (dBi)	DG (dBi)	Total Conducted Power (dBm)	Total EIRP (dBm)	EIRP Limit (dBm)	Pass/Fail
40MHz	6545	-	-	-	-	7.13	12.04	16.75	16.75	19.17	35.92	36	Pass
	6685	-	-	-	-	7.17	12.04	16.75	16.75	19.21	35.96	36	Pass
	6855	-	-	-	-	7.15	12.04	16.75	16.75	19.19	35.94	36	Pass
40 + 40MHz	6545+6585	-	-	-	-	7.11	12.04	16.75	16.75	19.15	35.90	36	Pass
	6685+6725	-	-	-	-	7.16	12.04	16.75	16.75	19.20	35.95	36	Pass
	6815+6855	-	-	-	-	7.16	12.04	16.75	16.75	19.20	35.95	36	Pass
40+40+40MHz	6545+6585+6625	-	-	-	-	7.18	12.04	16.75	16.75	19.22	35.97	36	Pass
	6645+6685+6725	-	-	-	-	7.17	12.04	16.75	16.75	19.21	35.96	36	Pass
	6775+6815+6855	-	-	-	-	7.18	12.04	16.75	16.75	19.22	35.97	36	Pass
40+40+40+40MHz	6545+6585+6625+6665	-	-	-	-	7.17	12.04	16.75	16.75	19.21	35.96	36	Pass
	6645+6685+6725+6765	-	-	-	-	7.19	12.04	16.75	16.75	19.23	35.98	36	Pass
	6735+6775+6815+6855	-	-	-	-	7.18	12.04	16.75	16.75	19.22	35.97	36	Pass
40+40MHz Non-contiguous	6545+6855	4.04	4	-	-	7.03	12.04	16.75	16.75	19.07	35.82	36	Pass
40+40+40MHz Non-contiguous	6545+6685+6855	2.42	2.43	2.43	-	7.20	12.04	16.75	16.75	19.24	35.99	36	Pass
40+40+40+40MHz Non-contiguous	6545+6645+6745+6855	1.06	1.07	1.06	1.09	7.09	12.04	16.75	16.75	19.13	35.88	36	Pass

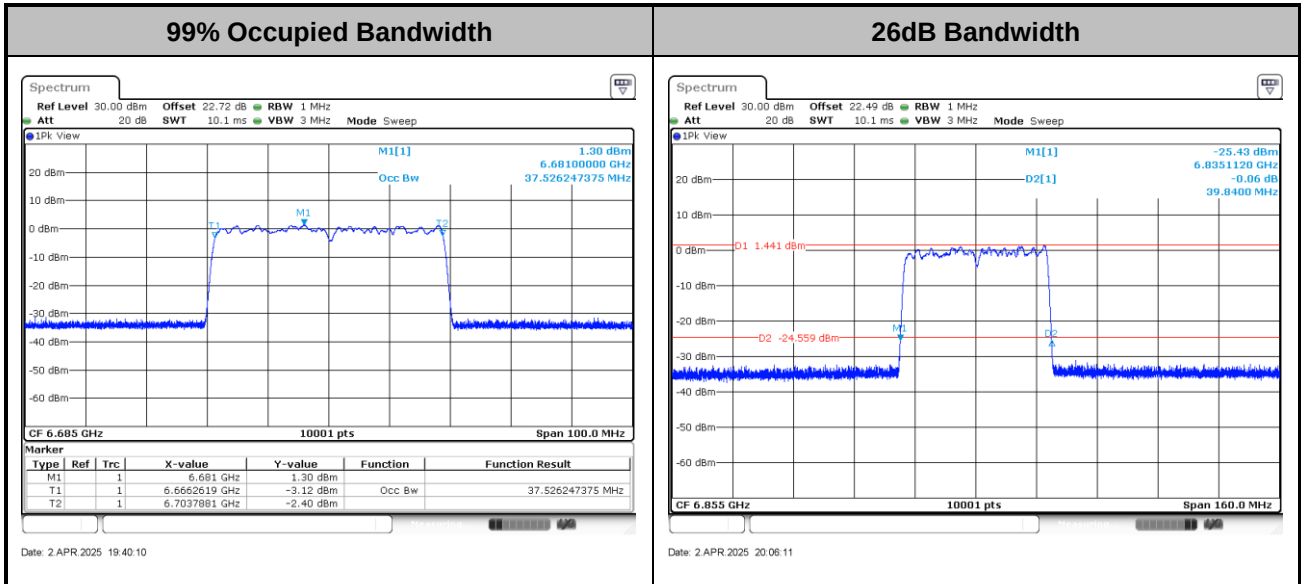
PSD on Port 0H

BW	Freq (MHz)	Conducted PSD Carrier 0 (dBm/MHz)	Conducted PSD Carrier 1 (dBm/MHz)	Conducted PSD Carrier 2 (dBm/MHz)	Conducted PSD Carrier 3 (dBm/MHz)	Conducted PSD (dBm/MHz)	MIMO Factor (dB)	Antenna Gain (dBi)	DG (dBi)	Total Conducted PSD (dBm/MHz)	Total EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass/Fail
40MHz	6545	-	-	-	-	-8.6	12.04	16.75	16.75	3.44	20.19	23	Pass
	6685	-	-	-	-	-7.43	12.04	16.75	16.75	4.61	21.36	23	Pass
	6855	-	-	-	-	-8.38	12.04	16.75	16.75	3.66	20.41	23	Pass
40 + 40MHz	6545+6585	-	-	-	-	-10.74	12.04	16.75	16.75	1.30	18.05	23	Pass
	6685+6725	-	-	-	-	-9.87	12.04	16.75	16.75	2.17	18.92	23	Pass
	6815+6855	-	-	-	-	-10.3	12.04	16.75	16.75	1.74	18.49	23	Pass
40+40+40MHz	6545+6585+6625	-	-	-	-	-12.28	12.04	16.75	16.75	-0.24	16.51	23	Pass
	6645+6685+6725	-	-	-	-	-11.92	12.04	16.75	16.75	0.12	16.67	23	Pass
	6775+6815+6855	-	-	-	-	-12.5	12.04	16.75	16.75	-0.46	16.29	23	Pass
40+40+40+40MHz	6545+6585+6625+6665	-	-	-	-	-13.52	12.04	16.75	16.75	-1.48	15.27	23	Pass
	6645+6685+6725+6765	-	-	-	-	-13.39	12.04	16.75	16.75	-1.35	15.40	23	Pass
	6735+6775+6815+6855	-	-	-	-	-13.52	12.04	16.75	16.75	-1.48	15.27	23	Pass
40+40MHz Non-contiguous	6545+6855	-10.97	-11.04	-	-	-10.97	12.04	16.75	16.75	1.07	17.82	23	Pass
40+40+40MHz Non-contiguous	6545+6685+6855	-12.55	-12.47	-12.46	-	-12.46	12.04	16.75	16.75	-0.42	16.33	23	Pass
40+40+40+40MHz Non-contiguous	6545+6645+6745+6855	-13.87	-13.73	-13.69	-13.86	-13.69	12.04	16.75	16.75	-1.65	15.10	23	Pass

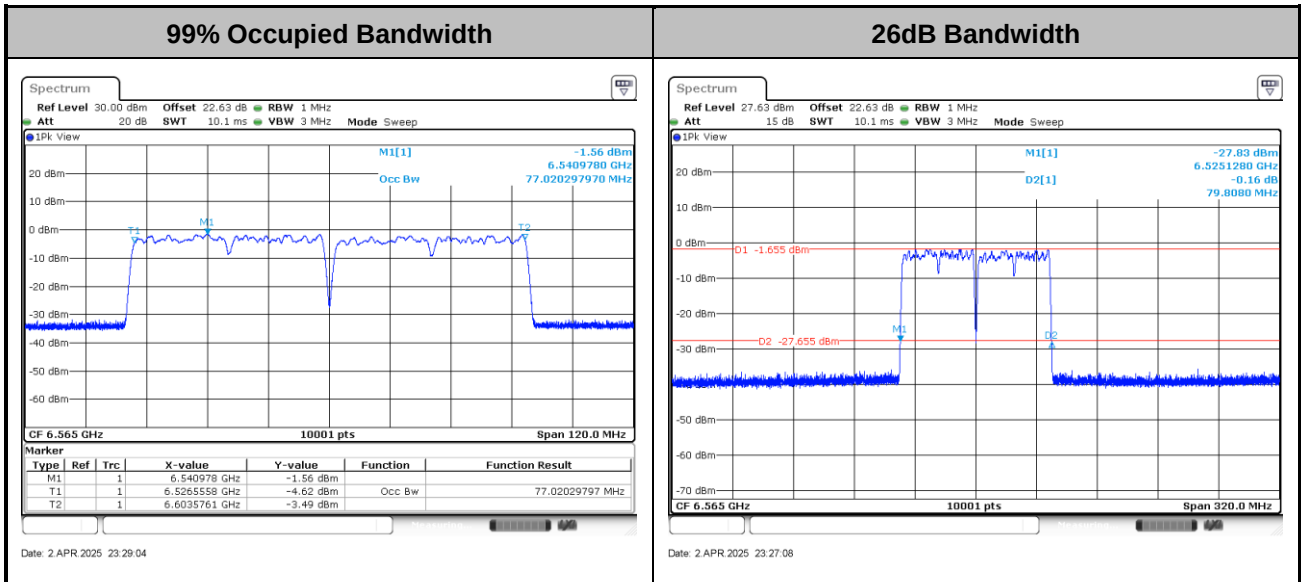
BW	Freq (MHz)	26dB BW Carrier 0 (MHz)	26dB BW Carrier 1 (MHz)	26dB BW Carrier 2 (MHz)	26dB BW Carrier 3 (MHz)	OBW Carrier 0 (MHz)	OBW Carrier 1 (MHz)	OBW Carrier 2 (MHz)	OBW Carrier 3 (MHz)	26dB BW (MHz)	OBW (MHz)
40MHz	6545	-	-	-	-	-	-	-	-	39.82	37.51
	6685	-	-	-	-	-	-	-	-	39.82	37.53
	6855	-	-	-	-	-	-	-	-	39.84	37.52
40 + 40MHz	6545+6585	-	-	-	-	-	-	-	-	79.81	77.02
	6685+6725	-	-	-	-	-	-	-	-	79.81	76.96
	6815+6855	-	-	-	-	-	-	-	-	79.71	76.98
40+40+40MHz	6545+6585+6625	-	-	-	-	-	-	-	-	122.21	117.64
	6645+6685+6725	-	-	-	-	-	-	-	-	122.08	118.19
	6775+6815+6855	-	-	-	-	-	-	-	-	122.14	117.67
40+40+40+40MHz	6545+6585+6625+6665	-	-	-	-	-	-	-	-	162.05	157.42
	6645+6685+6725+6765	-	-	-	-	-	-	-	-	162.14	157.59
	6735+6775+6815+6855	-	-	-	-	-	-	-	-	162.24	157.74
40+40MHz Non-contiguous	6545+6855	39.81	39.79	-	-	37.57	37.58	-	-	79.60	75.14
40+40+40MHz Non-contiguous	6545+6685+6855	39.86	39.79	39.79	-	37.91	38.02	38.05	-	119.44	113.97
40+40+40+40MHz Non-contiguous	6545+6645+6745+6855	39.74	39.76	39.78	39.74	38.20	38.29	38.51	38.87	159.02	153.85

Conducted Output Power
Antenna Gain = 16.75dBi
Directional Gain (8H/8V) = 16.75dBi + 10log(Ntx = 8 / Nss = 8) = 16.75dBi

Power Spectral Density
Antenna Gain = 16.75dBi
Directional Gain (8H/8V) = 16.75dBi + 10log(Ntx = 8 / Nss = 8) = 16.75dBi

Test Result of 26dB & 99% Occupied Bandwidth
<Single Carrier>
<40MHz>


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

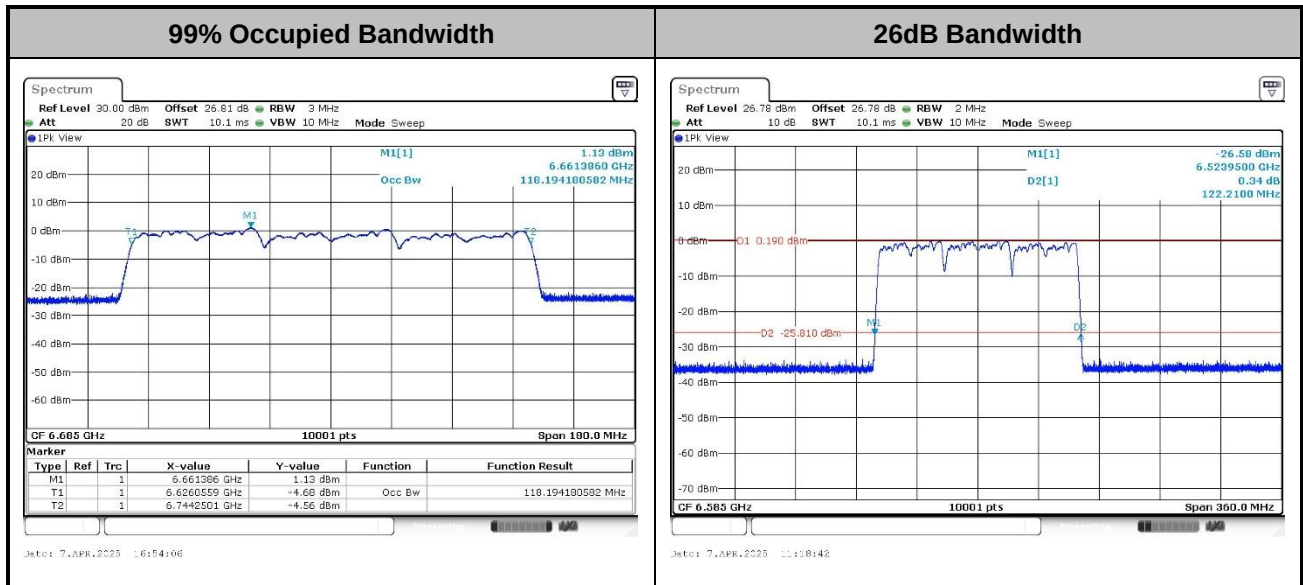
<Multiple Carrier (Contiguous)>
<40MHz + 40MHz>


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



<Multiple Carrier (Contiguous)>

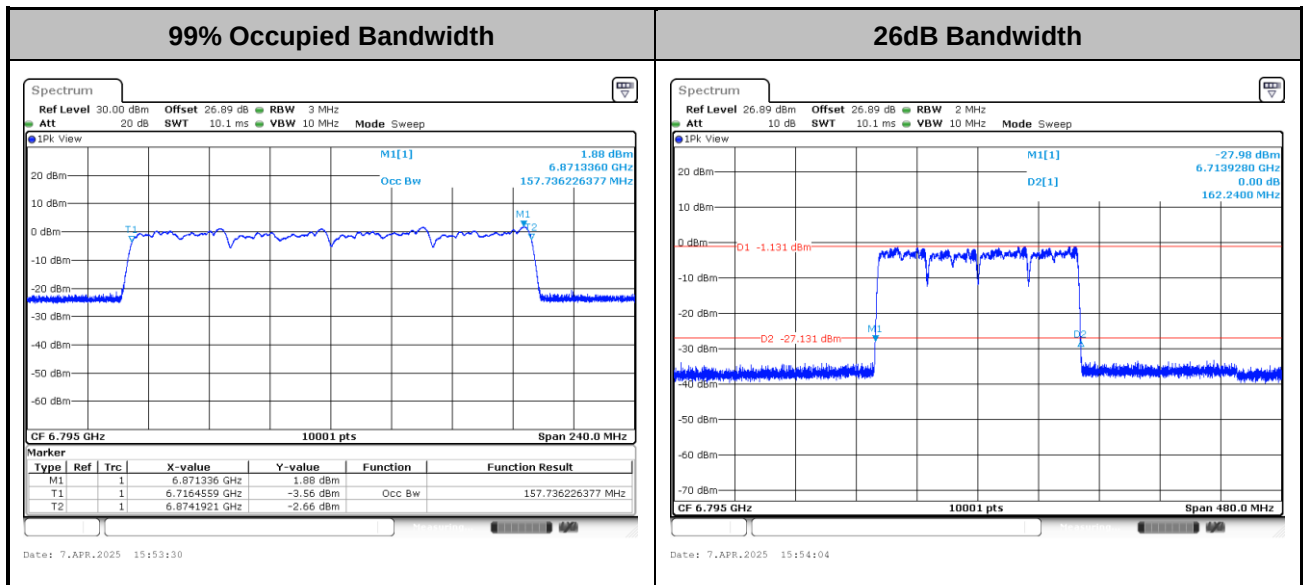
<40MHz + 40MHz + 40MHz>



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

<Multiple Carrier (Contiguous)>

<40MHz + 40MHz + 40MHz + 40MHz>

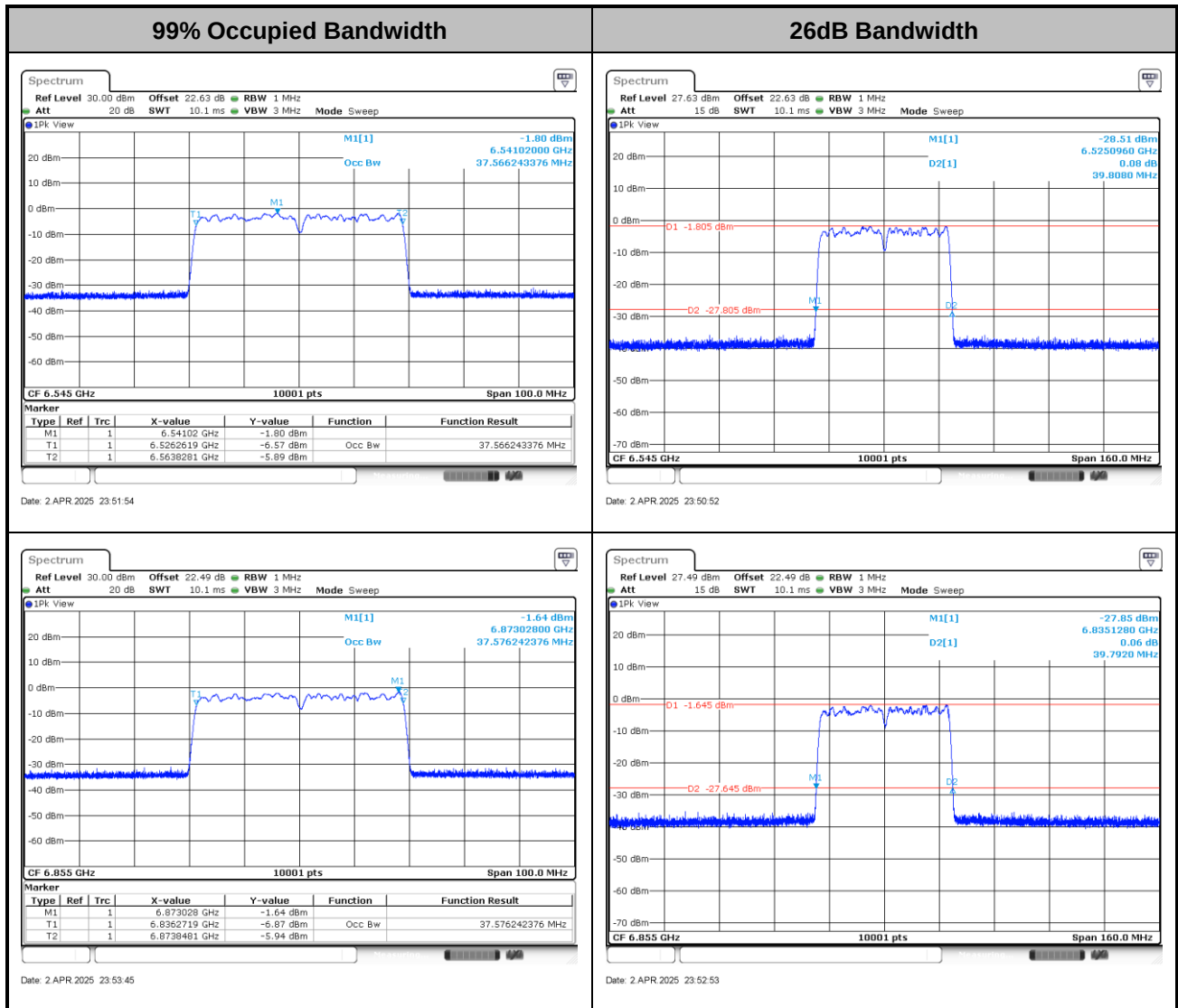


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



<Multiple Carrier (Non-Contiguous)>

<40MHz + 40MHz>

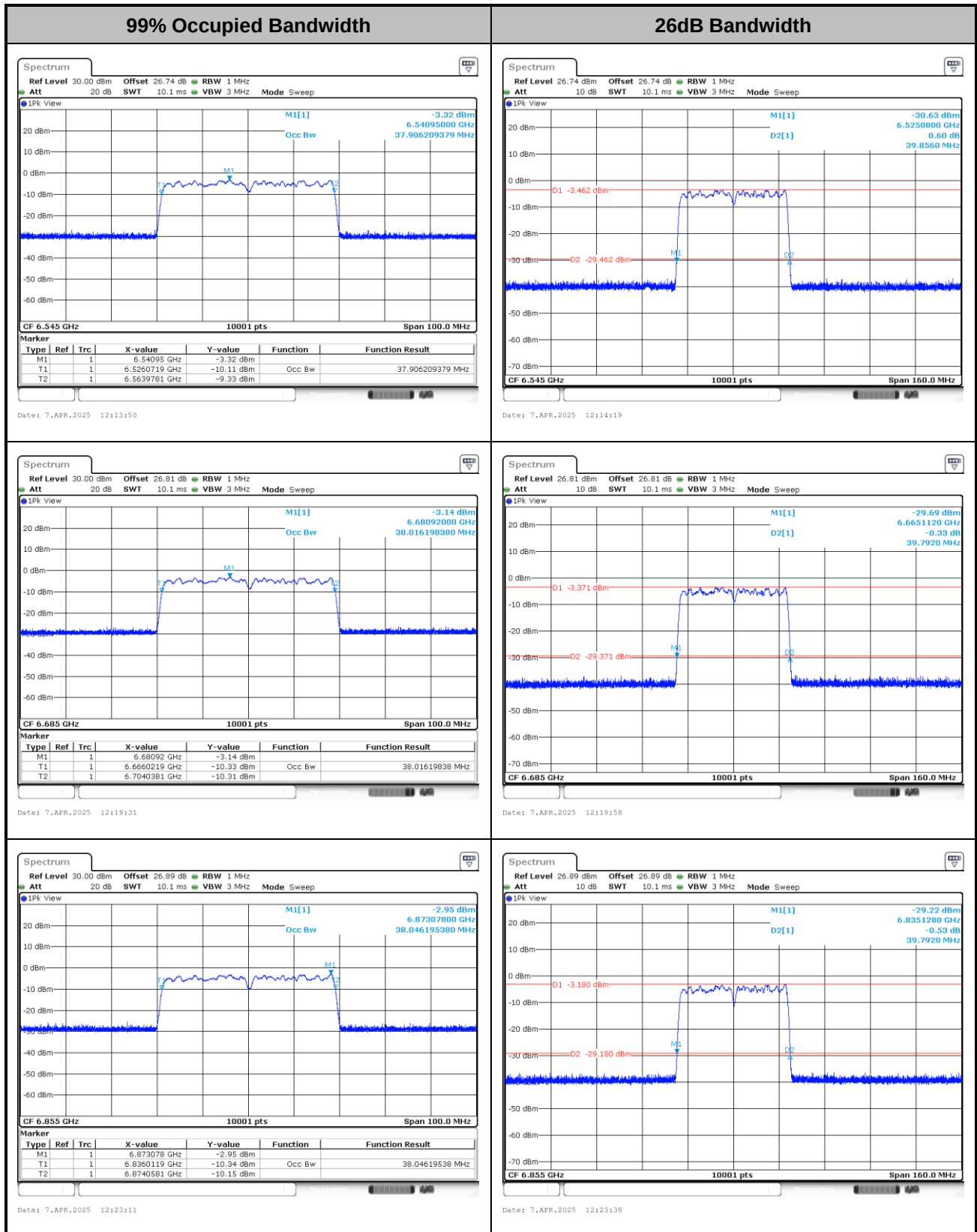


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



<Multiple Carrier (Non-Contiguous)>

<40MHz + 40MHz + 40MHz>





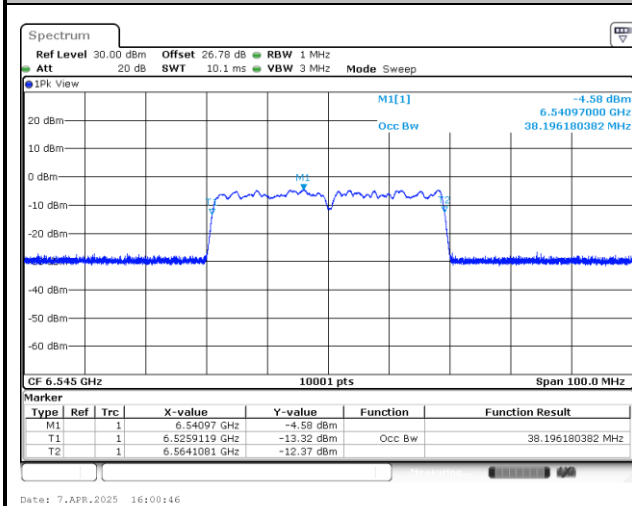
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



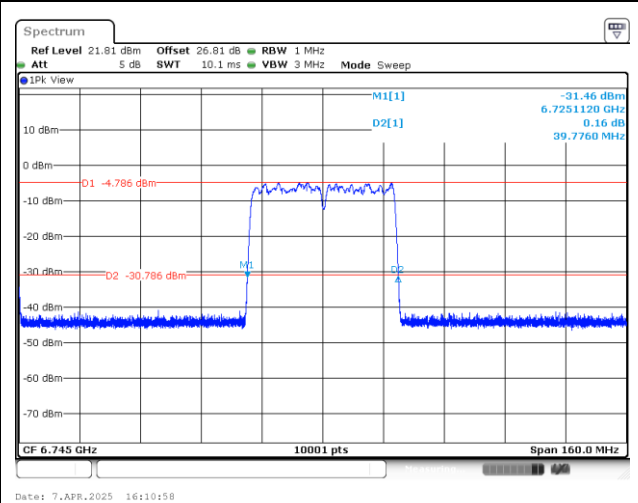
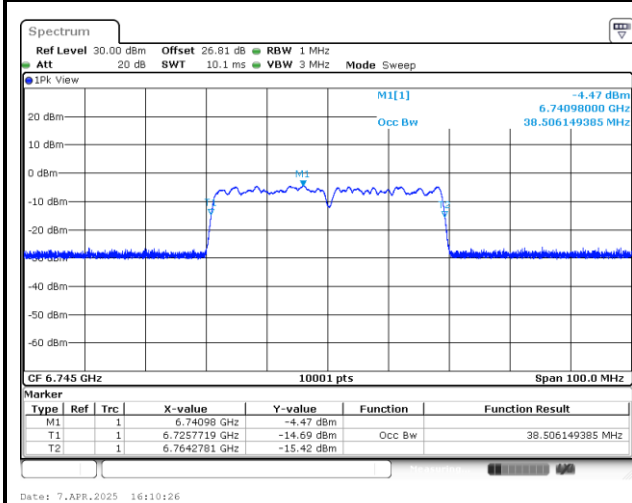
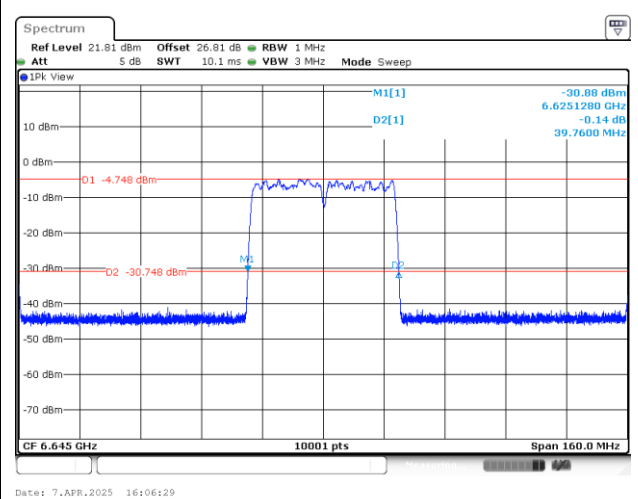
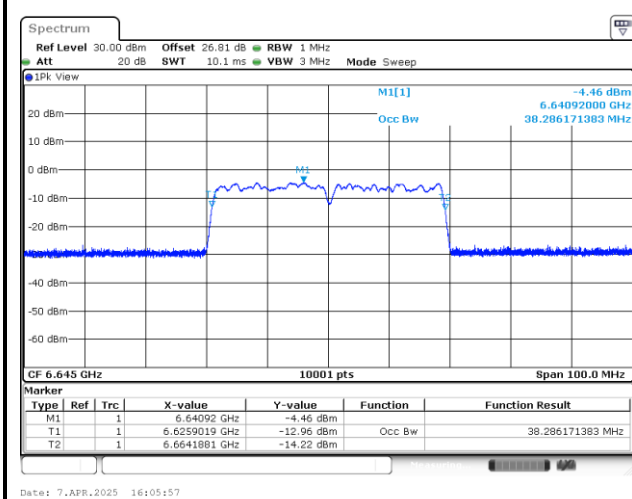
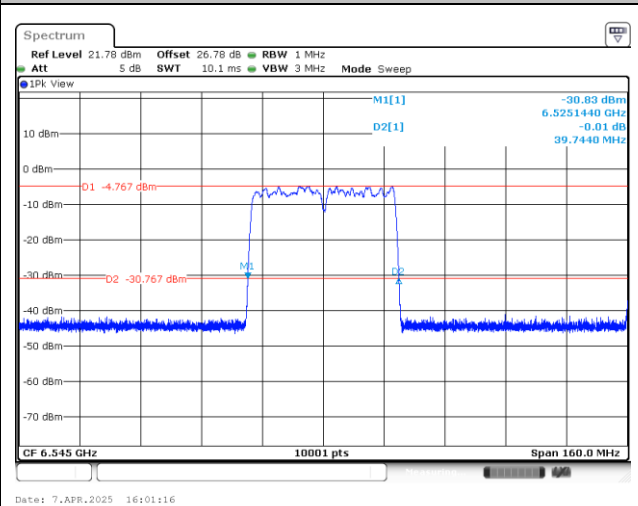
<Multiple Carrier (Non-Contiguous)>

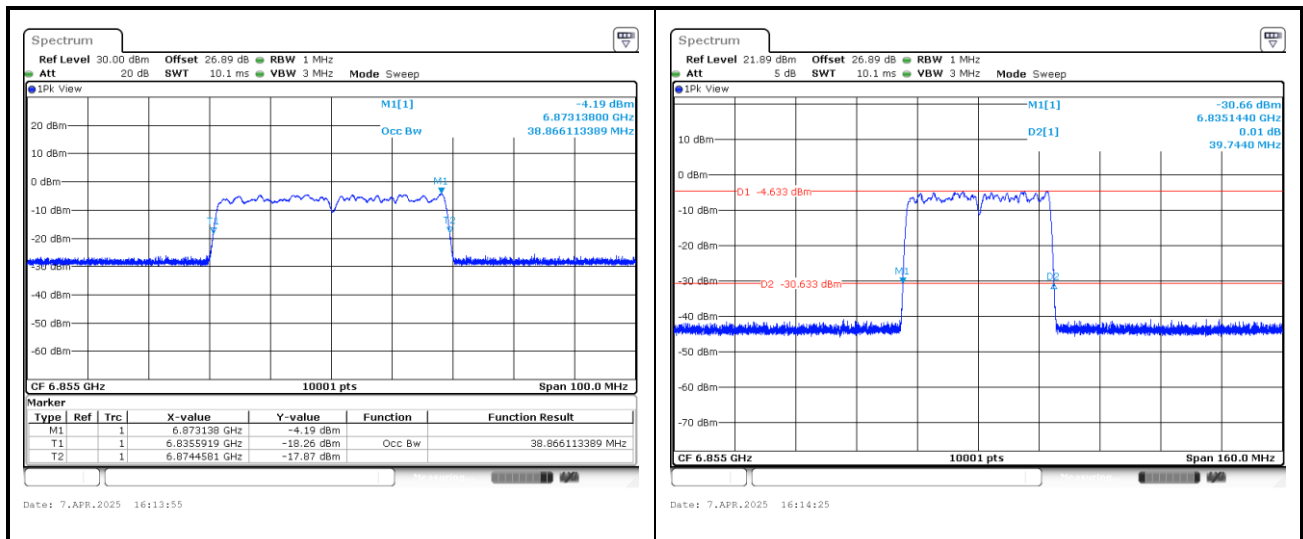
<40MHz + 40MHz + 40MHz + 40MHz>

99% Occupied Bandwidth



26dB Bandwidth





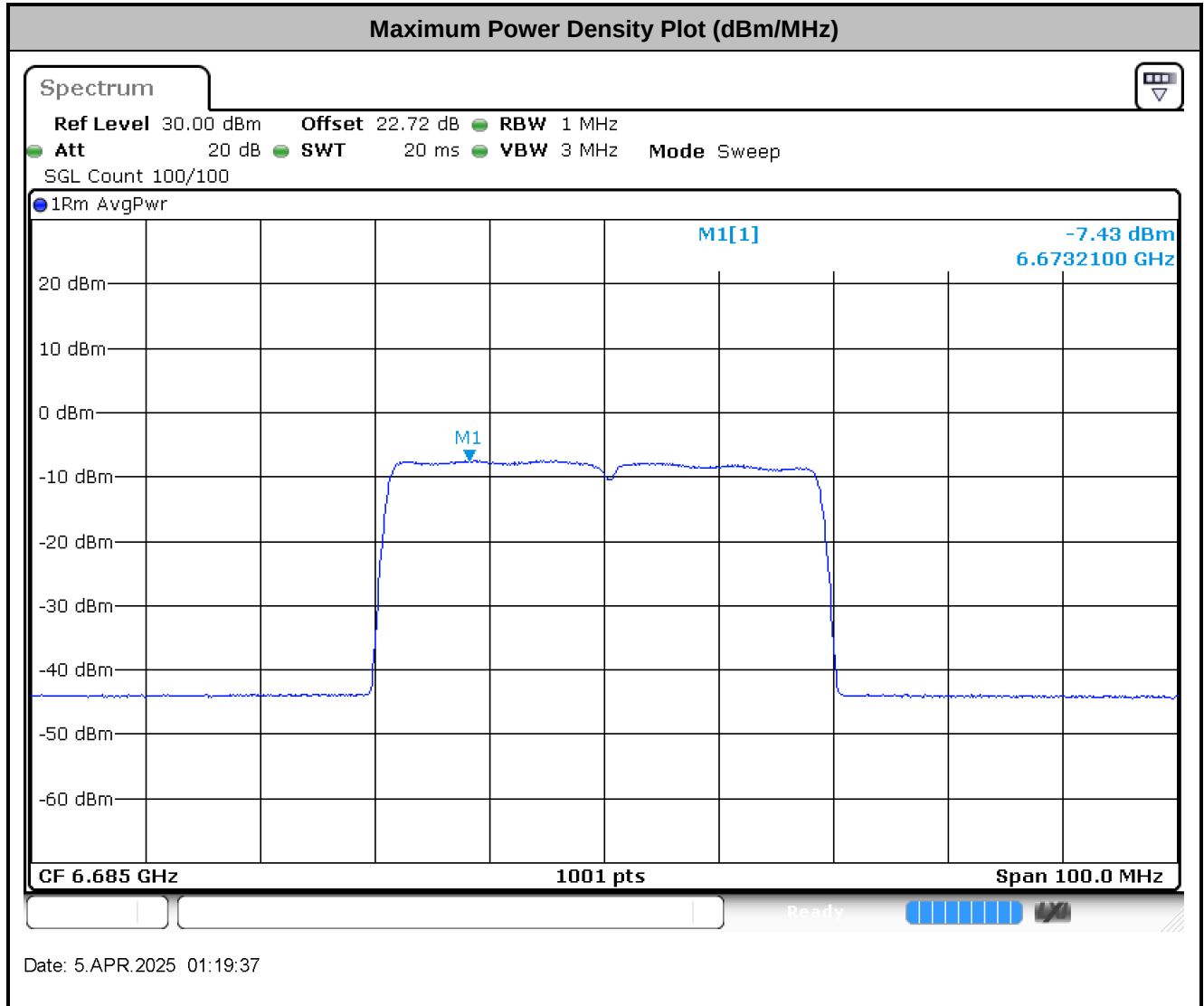
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



Test Result of Power Spectral Density

<Single Carrier>

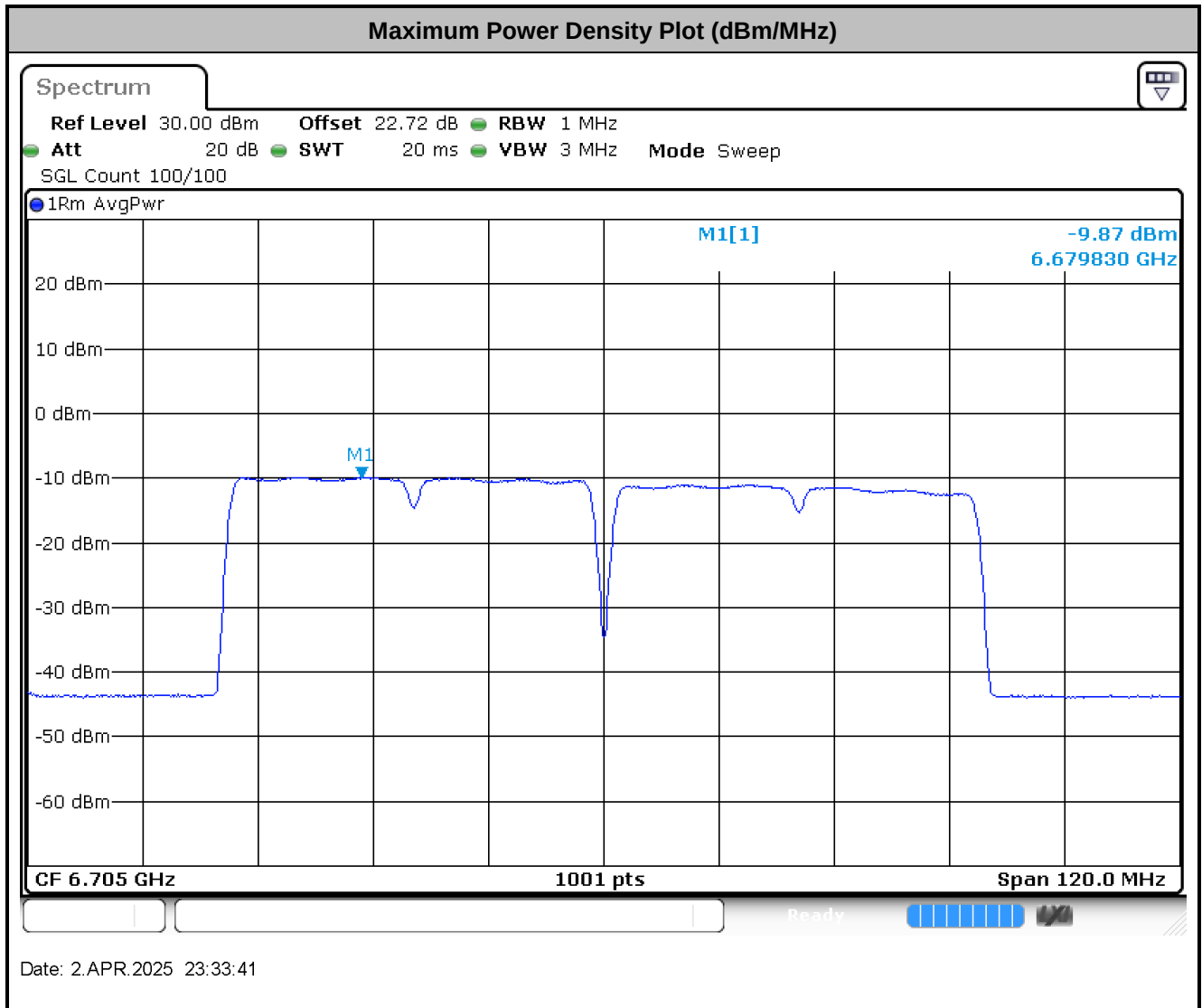
<40MHz>





<Multiple Carrier (Contiguous)>

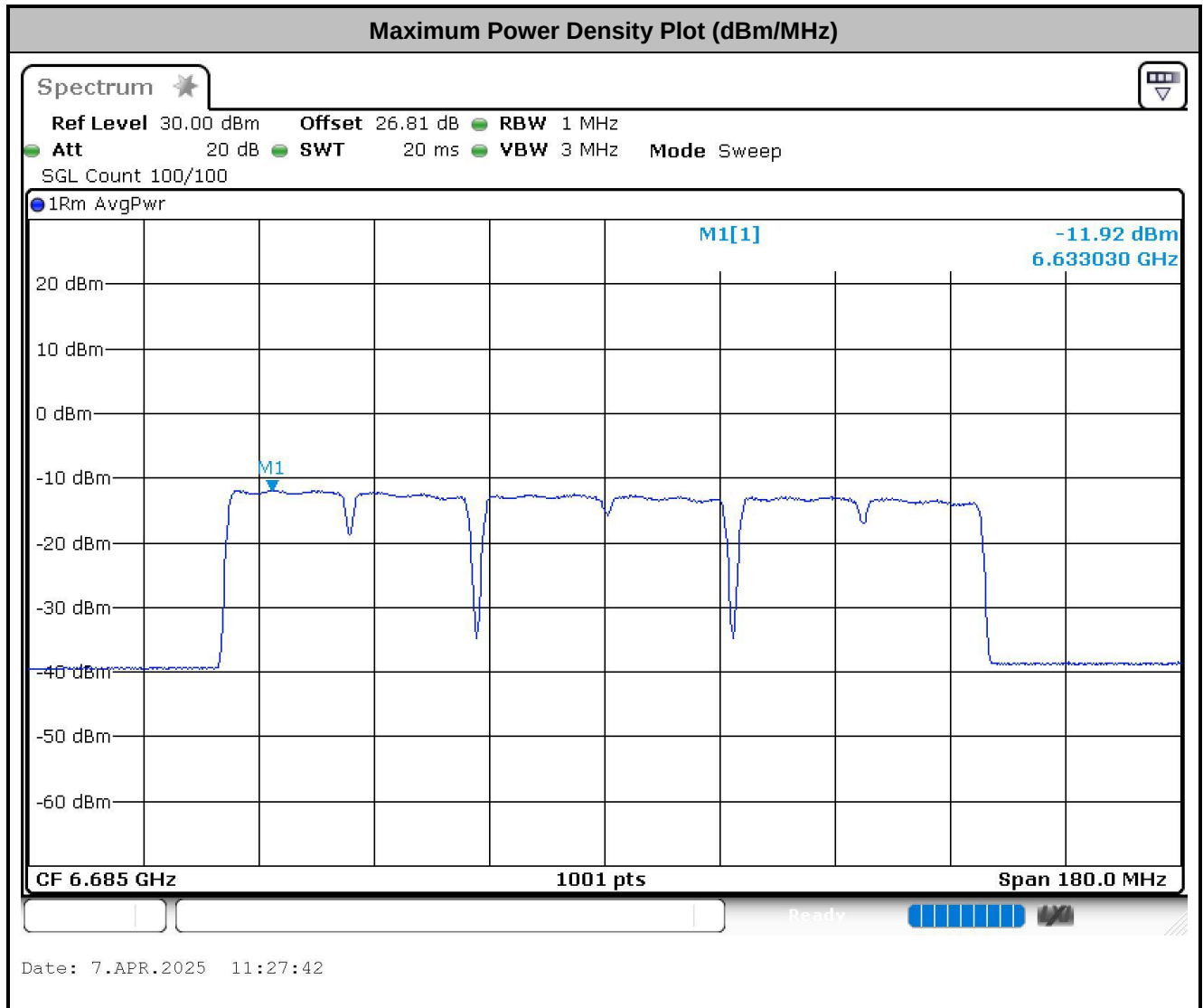
<40MHz + 40MHz>





<Multiple Carrier (Contiguous)>

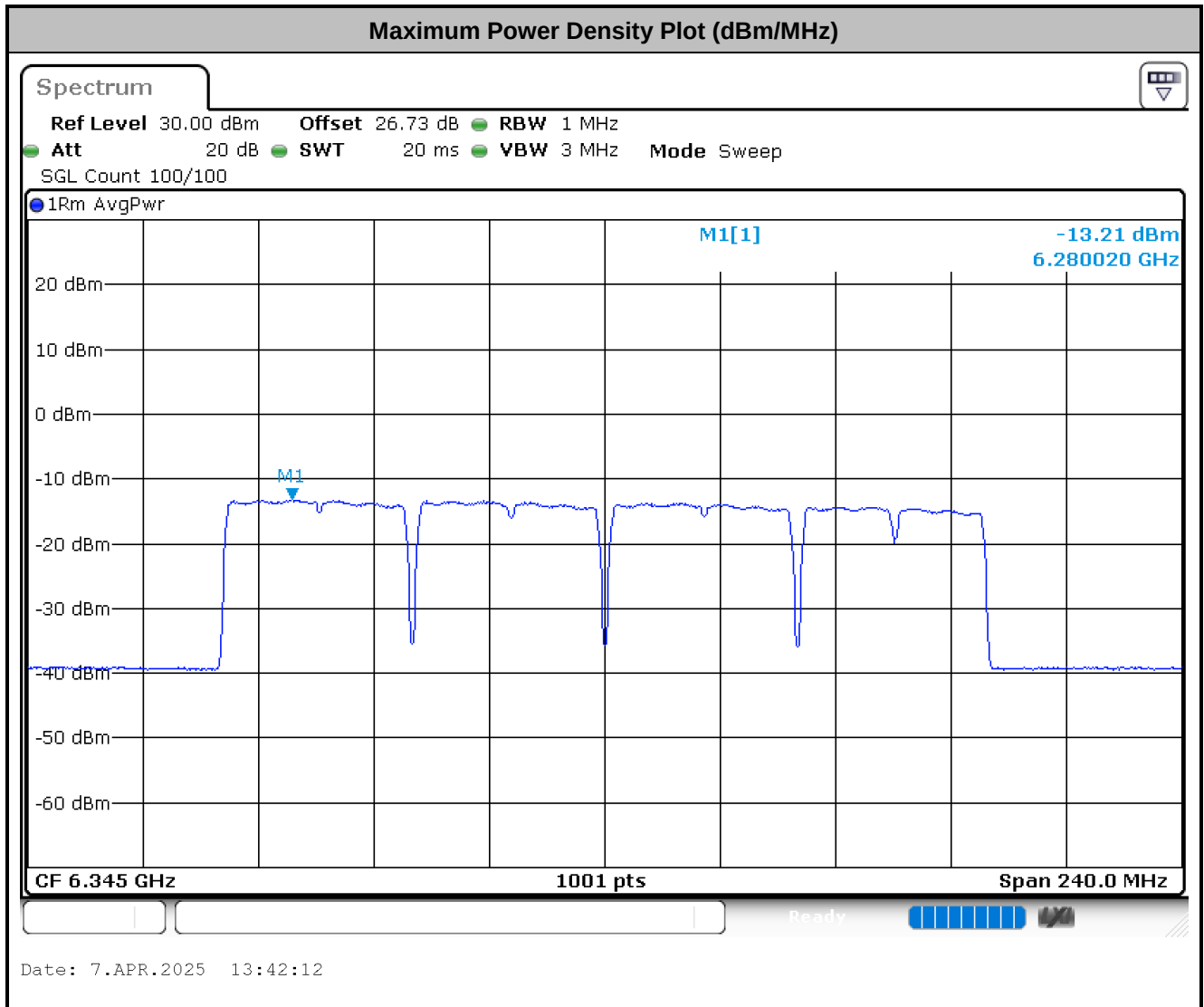
<40MHz + 40MHz + 40MHz>





<Multiple Carrier (Contiguous)>

<40MHz + 40MHz + 40MHz + 40MHz>





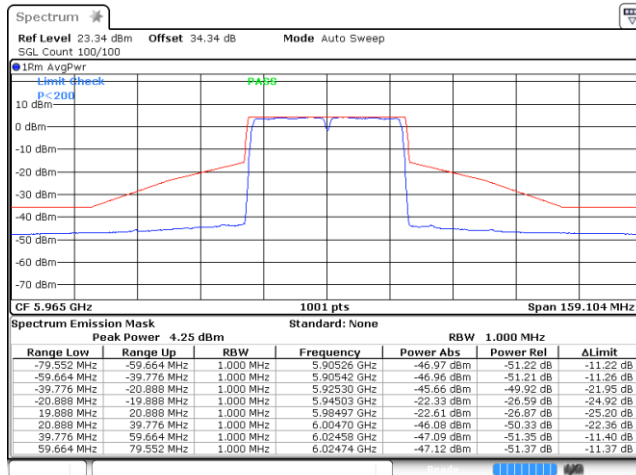
In-Band Emissions (Channel Mask)

<Single Carrier>

EUT Mode

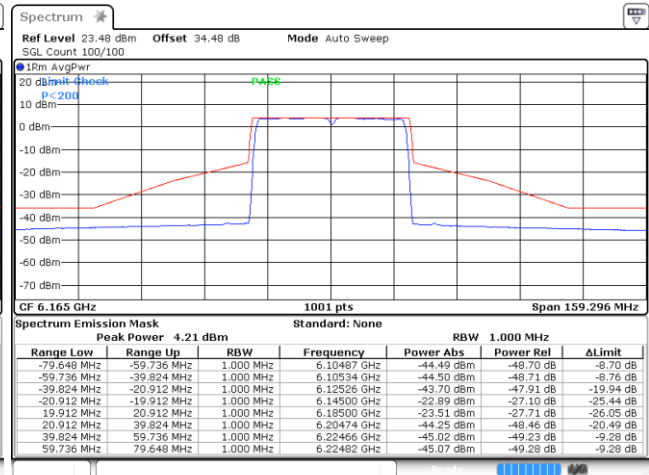
40MHz

Plot on Channel 5965 MHz



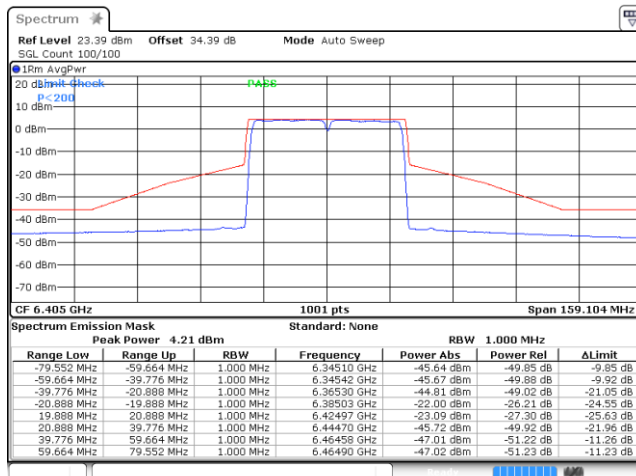
Date: 2 APR 2025 19:10:30

Plot on Channel 6165 MHz



Date: 2 APR 2025 19:15:25

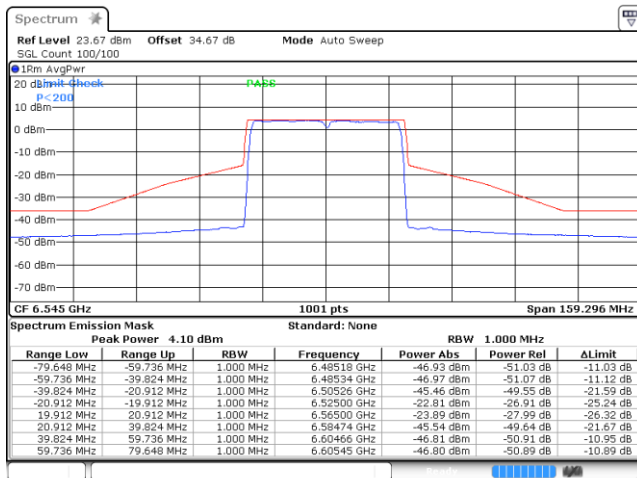
Plot on Channel 6405 MHz



Date: 2 APR 2025 19:18:59

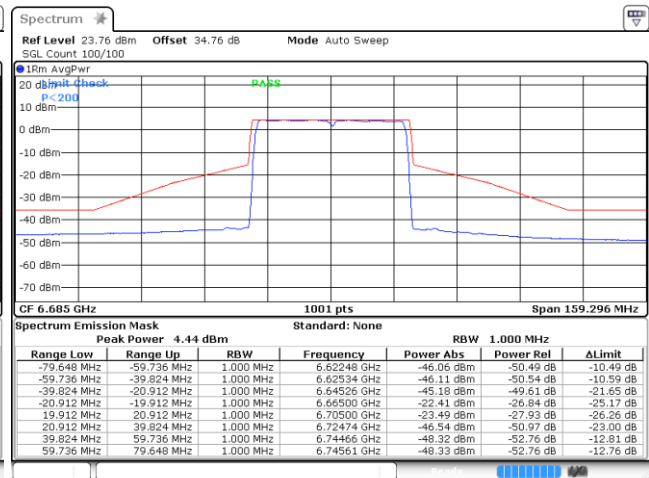


Plot on Channel 6545 MHz



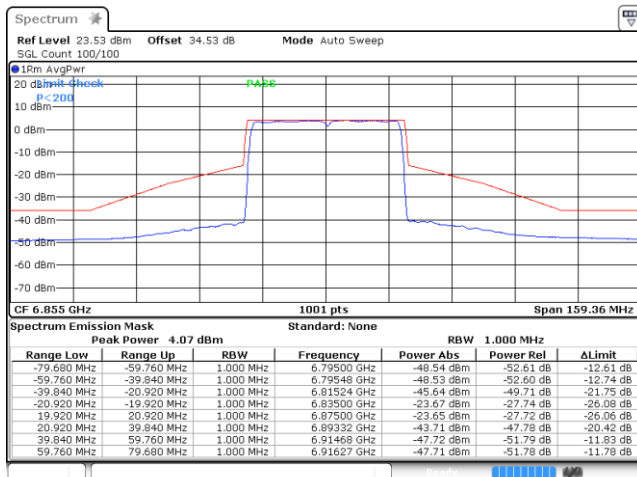
Date: 2 APR 2025 19:58:48

Plot on Channel 6685 MHz



Date: 2 APR 2025 20:03:17

Plot on Channel 6855 MHz



Date: 2 APR 2025 20:06:35

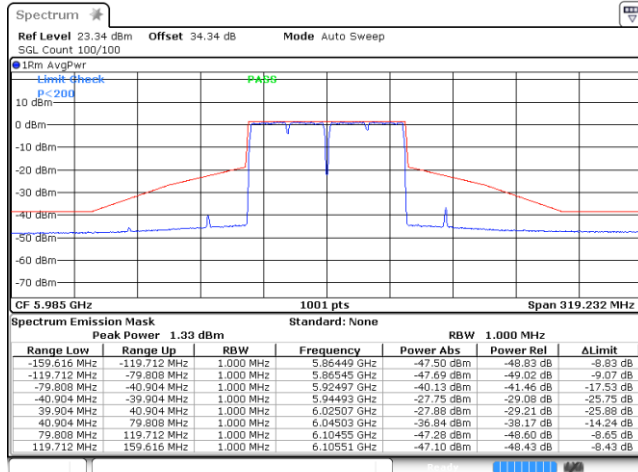


<Multiple Carrier>

EUT Mode

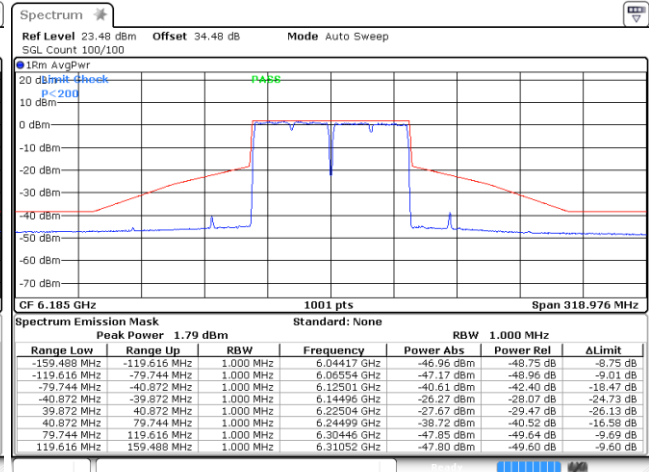
Contiguous 40MHz + 40MHz

Plot on Channel 5965 MHz + 6005 MHz



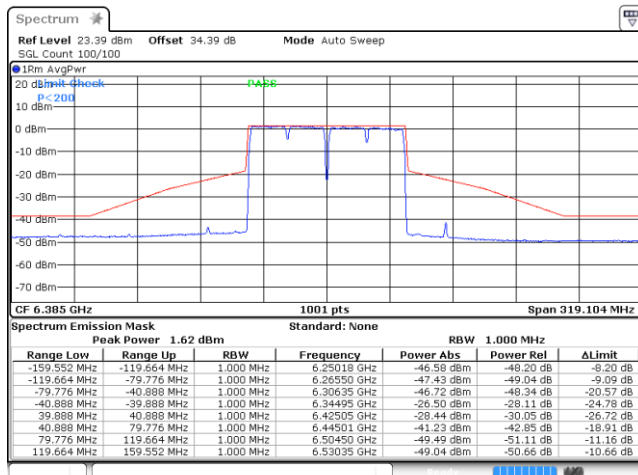
Date: 2 APR 2025 21:08:05

Plot on Channel 6165 MHz + 6205 MHz



Date: 2 APR 2025 21:15:28

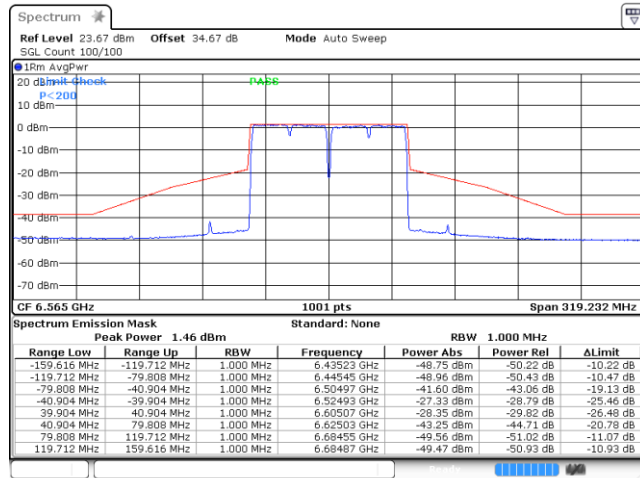
Plot on Channel 6365 MHz + 6405 MHz



Date: 2 APR 2025 21:19:35

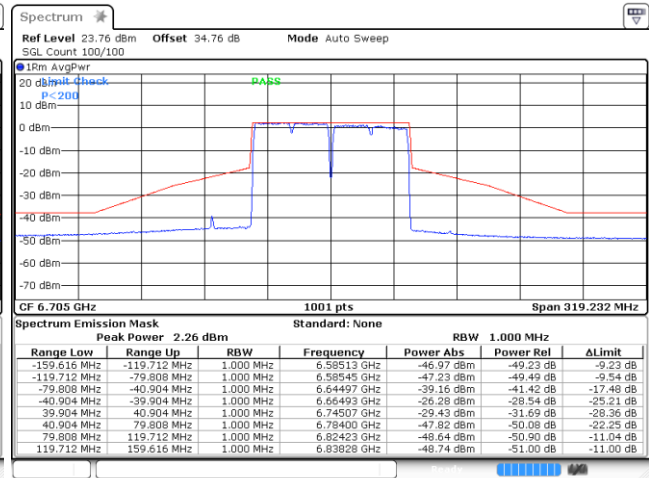


Plot on Channel 6545 MHz + 6585 MHz



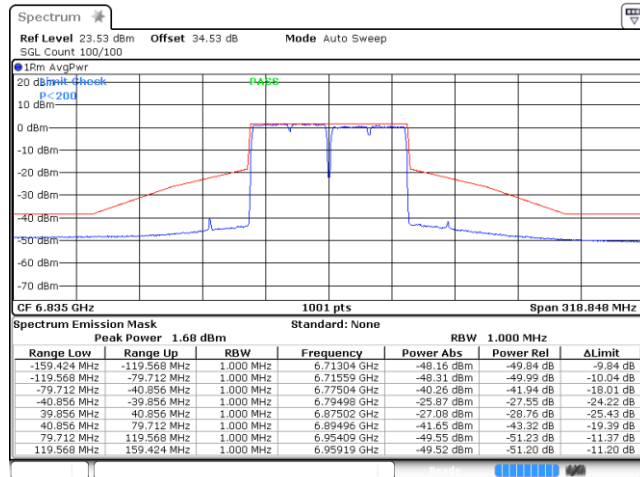
Date: 2 APR 2025 23:28:17

Plot on Channel 6685 MHz + 6725 MHz



Date: 2 APR 2025 23:34:39

Plot on Channel 6815 MHz + 6855 MHz



Date: 2 APR 2025 23:38:15

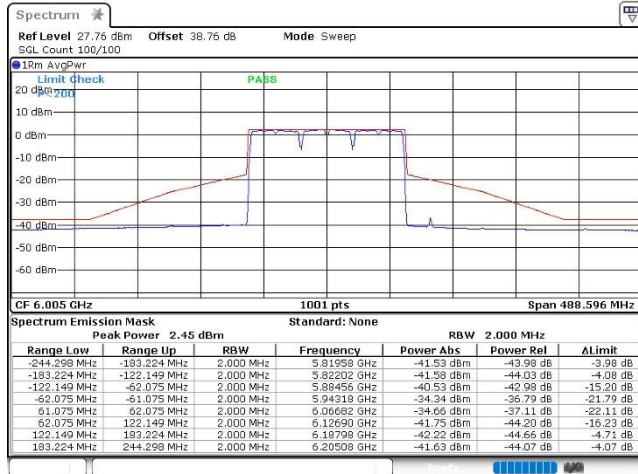


<Multiple Carrier>

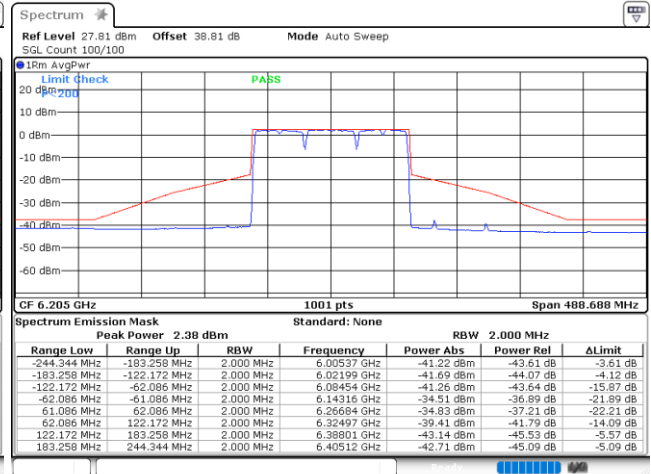
EUT Mode

Contiguous 40MHz + 40MHz + 40MHz

Plot on Channel 5965 MHz + 6005 MHz + 6045 MHz Plot on Channel 6165 MHz + 6205 MHz + 6245 MHz

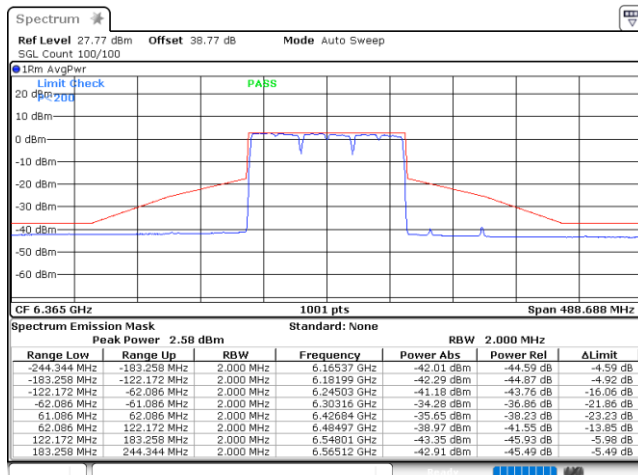


Date: 7.APR.2025 09:40:53



Date: 7.APR.2025 10:04:13

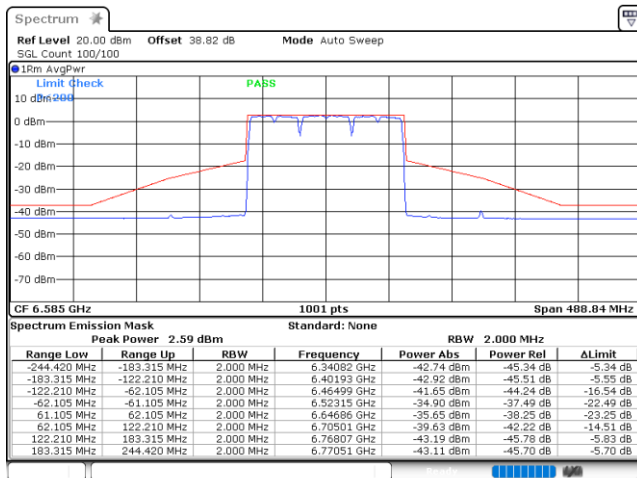
Plot on Channel 6325 MHz + 6365 MHz + 6405 MHz



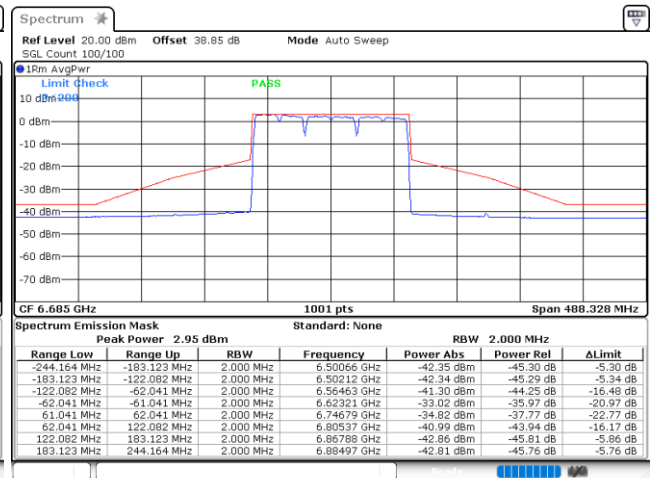
Date: 7.APR.2025 10:22:47



Plot on Channel 6545 MHz + 6585 MHz + 6625 MHz Plot on Channel 6645 MHz + 6685 MHz + 6725 MHz

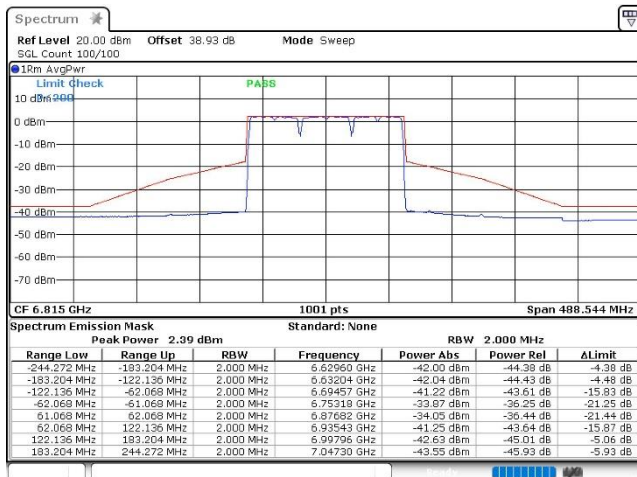


Date: 7.APR.2025 11:19:13



Date: 7.APR.2025 11:45:44

Plot on Channel 6775 MHz + 6815 MHz + 6855 MHz



Date: 7.APR.2025 12:12:29

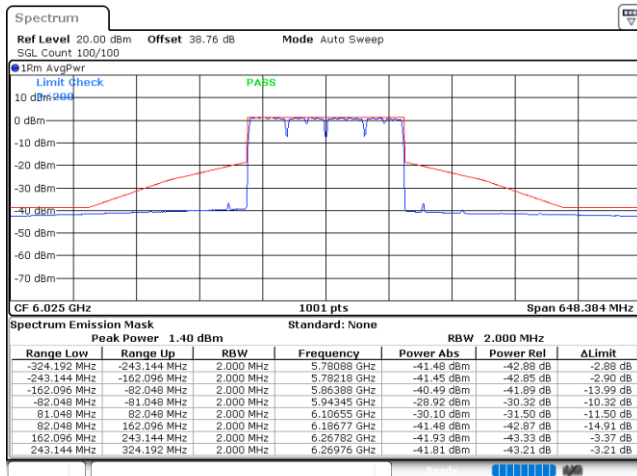


<Multiple Carrier>

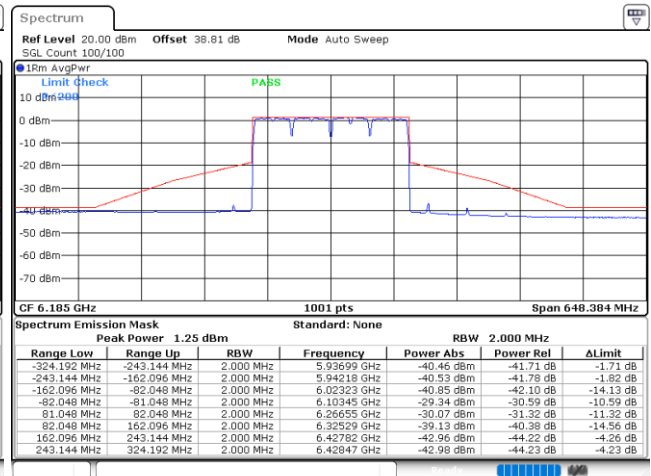
EUT Mode

Contiguous 40MHz + 40MHz + 40MHz + 40MHz

Plot on Channel 5965 MHz + 6005 MHz + 6045 MHz Plot on Channel 6125 MHz + 6165 MHz + 6205 MHz
+ 6085 MHz + 6245 MHz

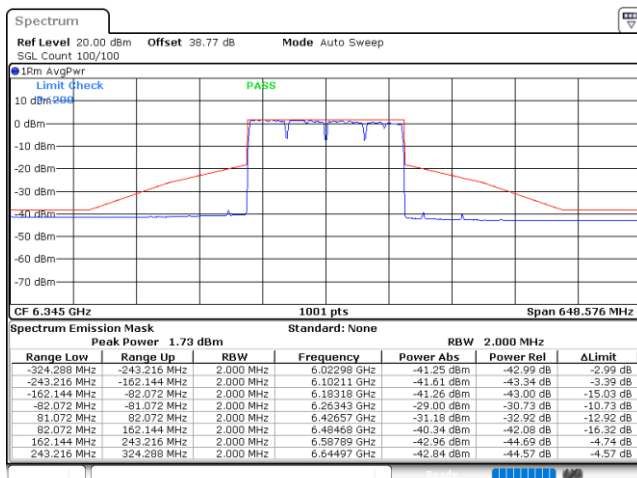


Date: 7.APR.2025 12:55:43



Date: 7.APR.2025 13:08:59

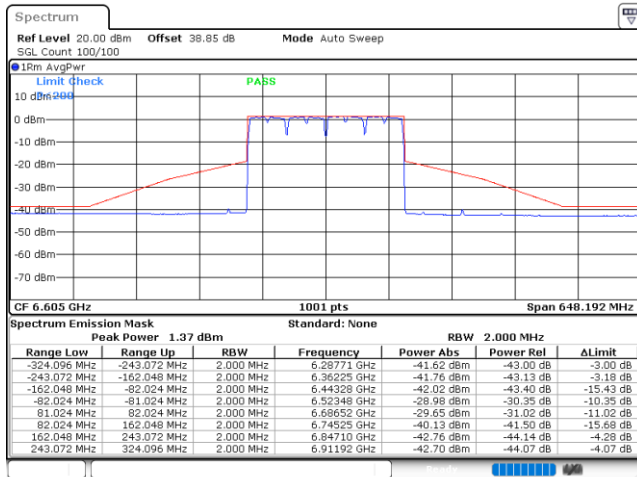
Plot on Channel 6285 MHz + 6325 MHz + 6365 MHz
+ 6405 MHz



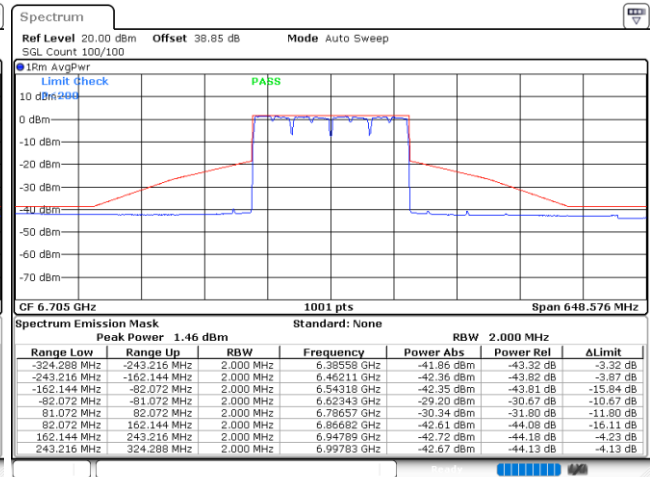
Date: 7.APR.2025 13:43:48



Plot on Channel 6545 MHz + 6585 MHz + 6625 MHz Plot on Channel 6645 MHz + 6685 MHz + 6725 MHz
+ 6665 MHz + 6765 MHz

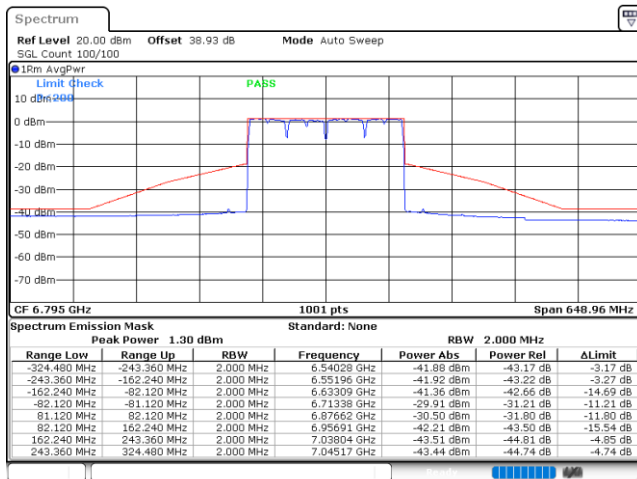


Date: 7.APR.2025 15:31:16



Date: 7.APR.2025 15:43:36

Plot on Channel 6735 MHz + 6775 MHz + 6815 MHz
+ 6855 MHz



Date: 7.APR.2025 15:54:30



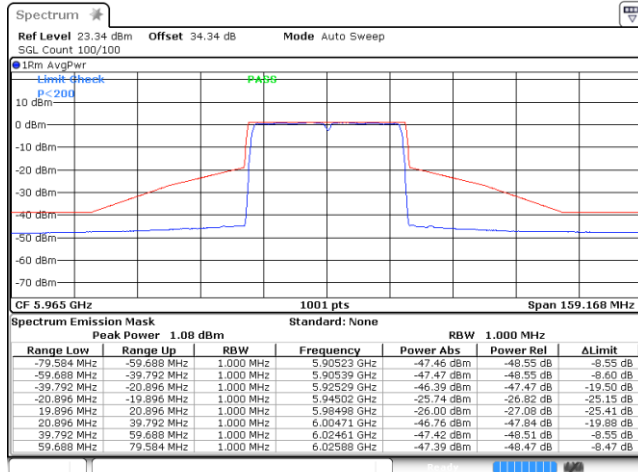
<Multiple Carrier>

EUT Mode

Non-Contiguous 40MHz + 40MHz

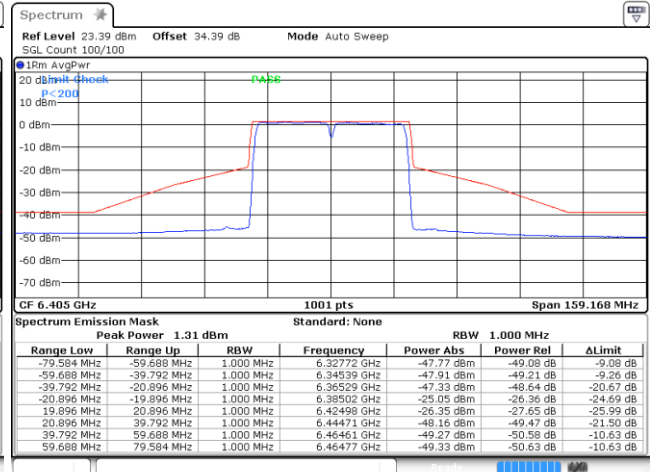
<5965 MHz + 6405 MHz>

Plot on Channel 5965 MHz



Date: 2 APR 2025 21:35:44

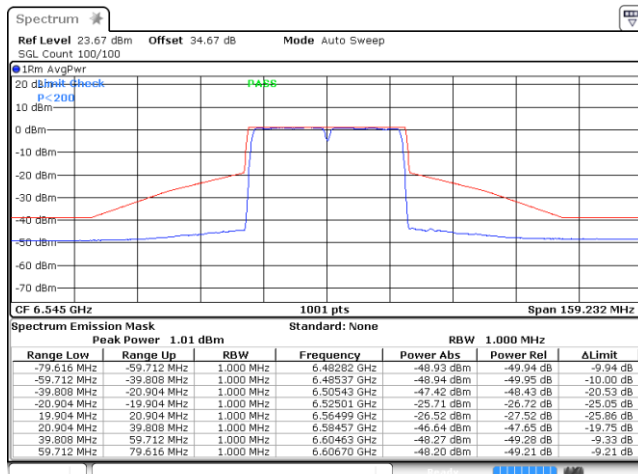
Plot on Channel 6405 MHz



Date: 2 APR 2025 21:37:54

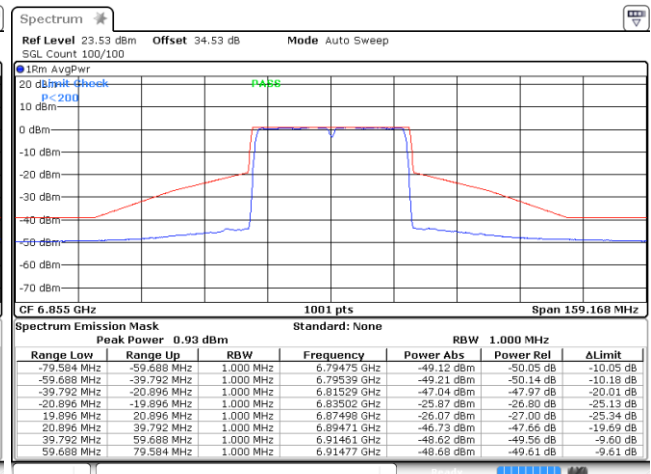
<6545MHz + 6855MHz>

Plot on Channel 6545 MHz



Date: 2 APR 2025 23:51:17

Plot on Channel 6855 MHz



Date: 2 APR 2025 23:53:17



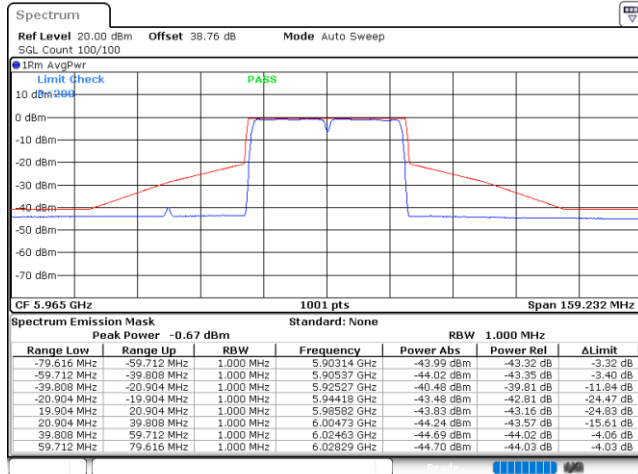
<Multiple Carrier>

EUT Mode

Non-Contiguous 40MHz + 40MHz + 40MHz

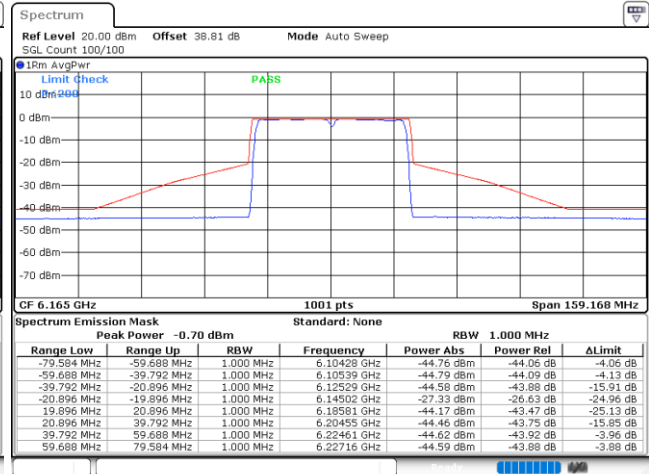
<5965MHz + 6165 MHz + 6405MHz>

Plot on Channel 5965 MHz



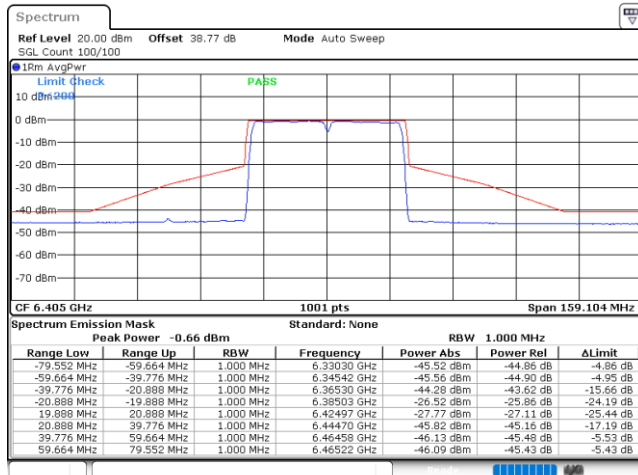
Date: 7.APR.2025 10:39:23

Plot on Channel 6165 MHz



Date: 7.APR.2025 10:43:23

Plot on Channel 6405 MHz

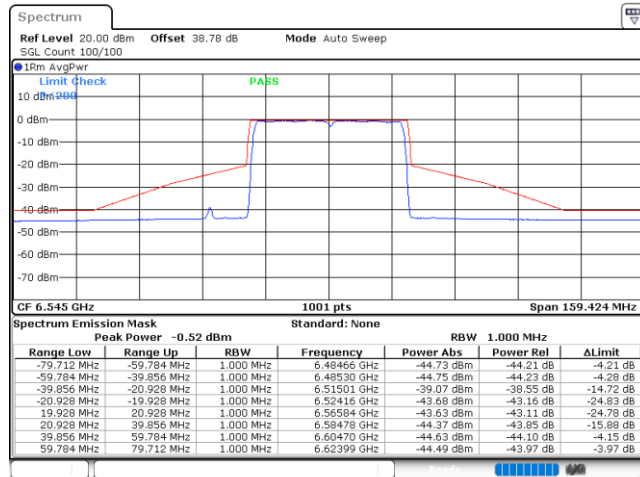


Date: 7.APR.2025 10:48:27



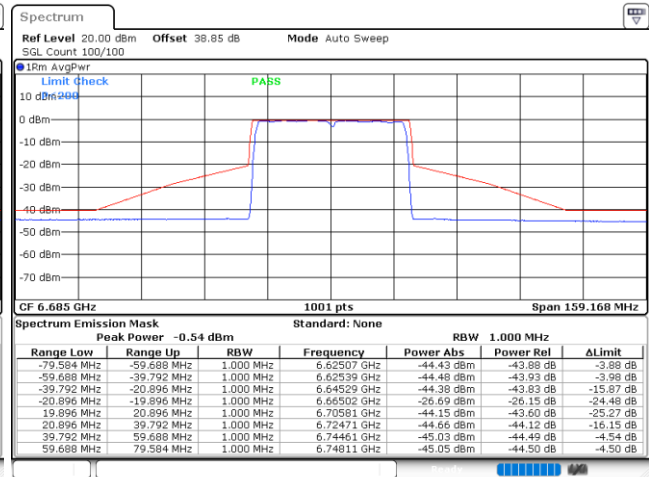
<6545MHz + 6685MHz + 6855MHz>

Plot on Channel 6545 MHz



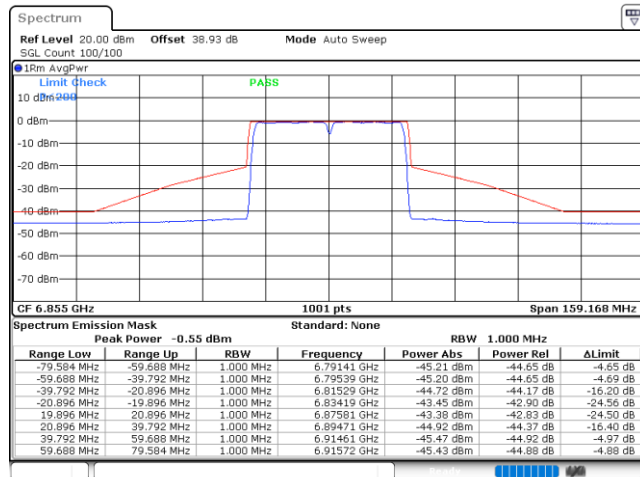
Date: 7.APR.2025 12:15:29

Plot on Channel 6685 MHz



Date: 7.APR.2025 12:20:21

Plot on Channel 6855 MHz



Date: 7.APR.2025 12:24:04



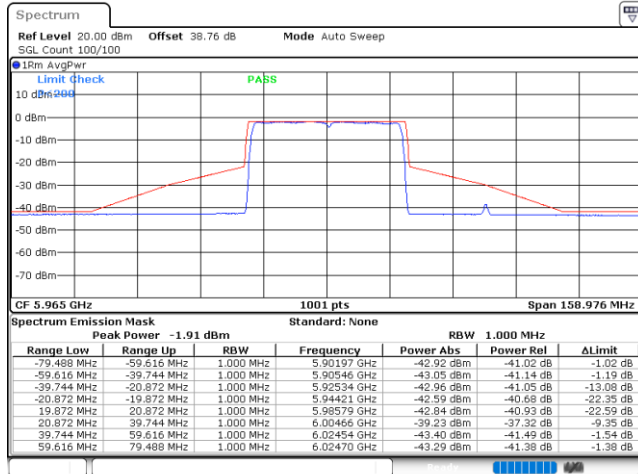
<Multiple Carrier>

EUT Mode

Non-Contiguous 40MHz + 40MHz + 40MHz + 40MHz

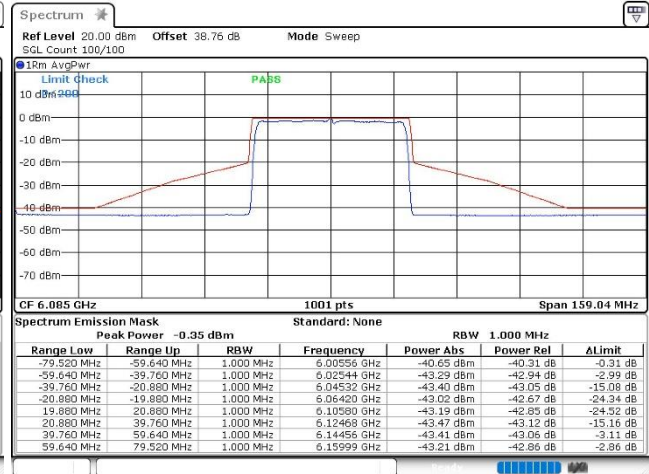
<5965 MHz + 6085 MHz + 6205 MHz + 6405 MHz>

Plot on Channel 5965 MHz



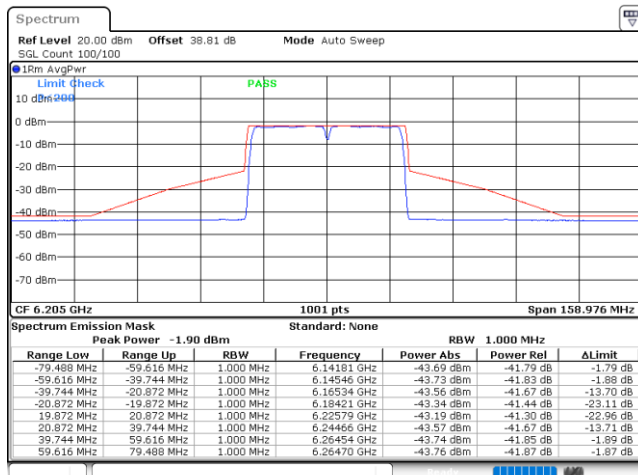
Date: 7.APR.2025 14:22:37

Plot on Channel 6085 MHz



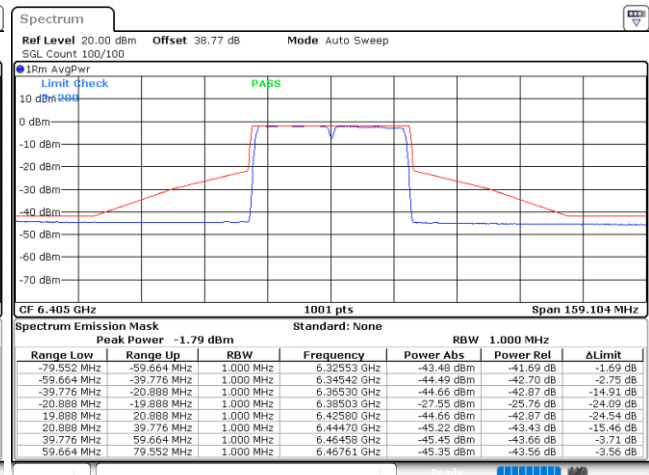
Date: 8.APR.2025 07:44:10

Plot on Channel 6205 MHz



Date: 7.APR.2025 14:57:00

Plot on Channel 6405 MHz

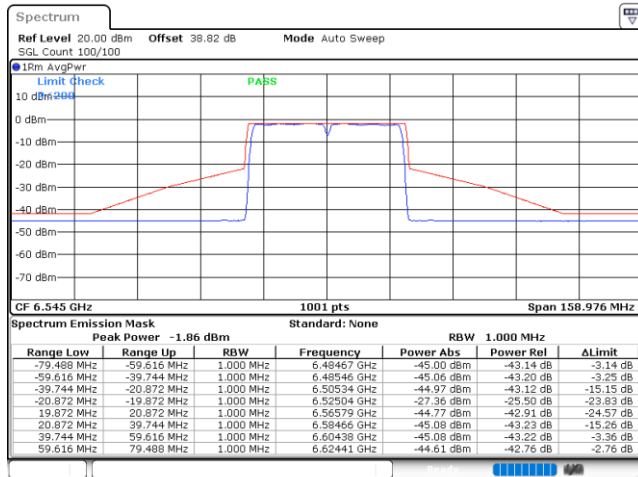


Date: 7.APR.2025 15:01:12



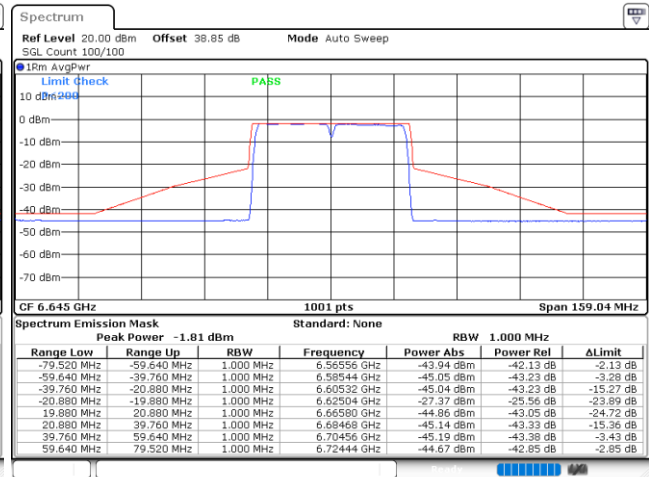
<6545 MHz + 6645 MHz + 6745 MHz + 6855 MHz>

Plot on Channel 6545 MHz



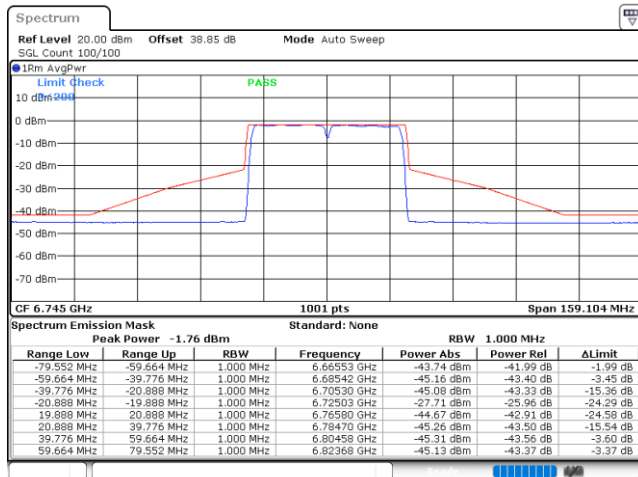
Date: 7.APR.2025 16:01:36

Plot on Channel 6645 MHz



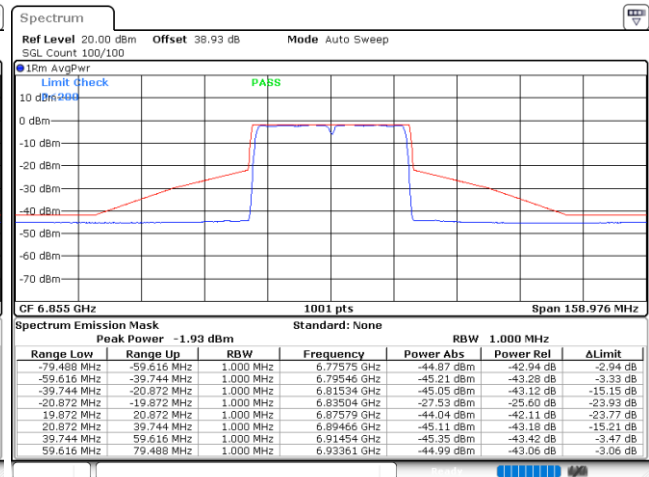
Date: 7.APR.2025 16:06:49

Plot on Channel 6745 MHz



Date: 7.APR.2025 16:11:19

Plot on Channel 6855 MHz



Date: 7.APR.2025 16:14:47



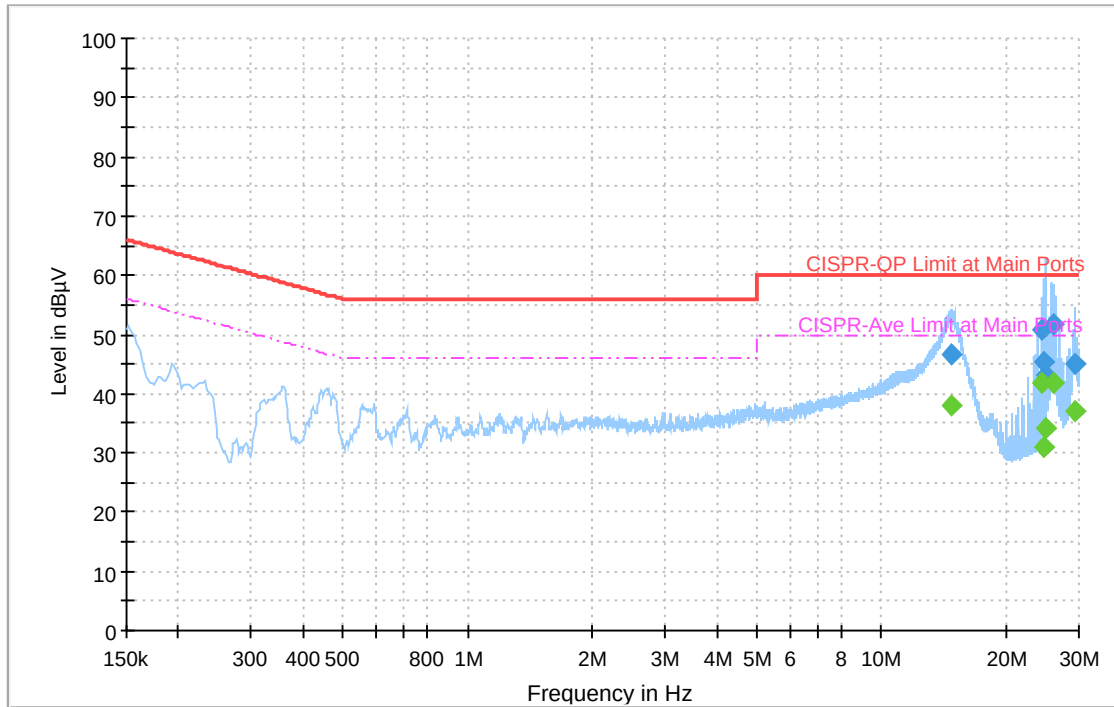
Appendix B. AC Conducted Emission Test Results

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

EUT Information

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

Full Spectrum



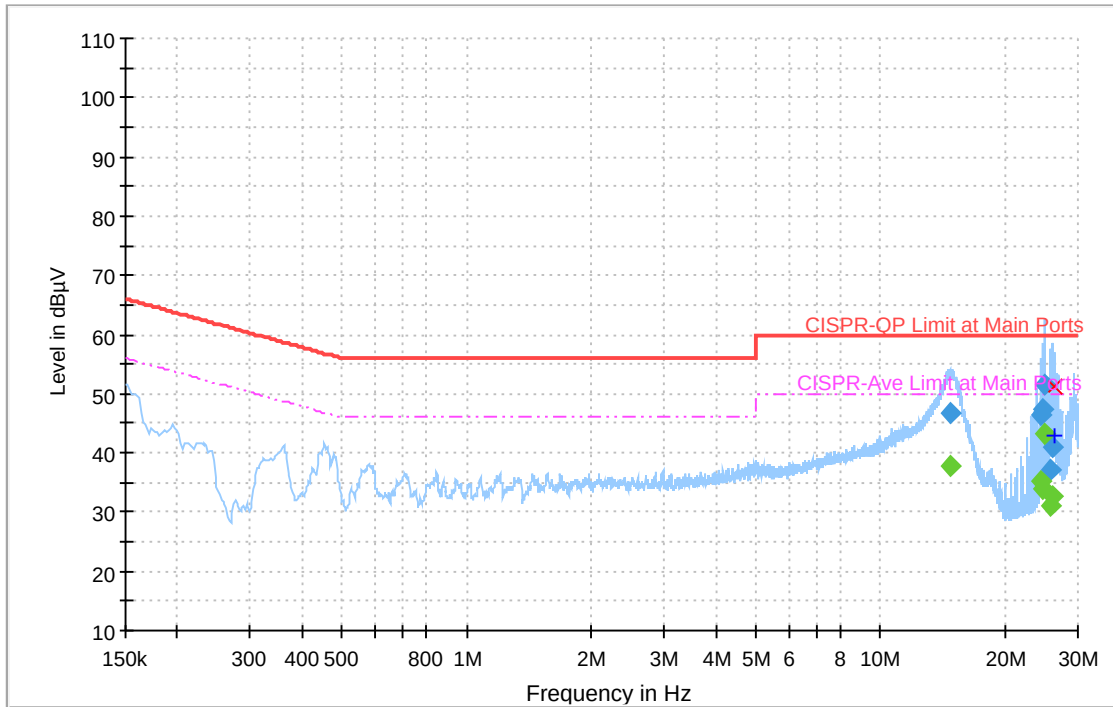
Final Result

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

EUT Information

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

Full Spectrum



Final Result

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



Appendix C. Radiated Spurious Emission Test Data

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

Note symbol

-L	Low channel location
-R	High channel location

C1. Radiated Spurious Emission Test Modes

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Remark
Mode 14	U-NII-5	5.925-6.425	MIMO	Proprietary	3	5965	-
Mode 15	U-NII-5	5.925-6.425	MIMO	Proprietary	43	6165	-
Mode 16	U-NII-5	5.925-6.425	MIMO	Proprietary	91	6405	-
Mode 17	U-NII-5	5.925-6.425	MIMO	Proprietary	3+11	5965+6005	-
Mode 18	U-NII-5	5.925-6.425	MIMO	Proprietary	43+51	6165+6205	-
Mode 19	U-NII-5	5.925-6.425	MIMO	Proprietary	83+91	6365+6405	-
Mode 20	U-NII-5	5.925-6.425	MIMO	Proprietary	3+91	5965+6405	-
Mode 21	U-NII-5	5.925-6.425	MIMO	Proprietary	3+11+19	5965+6005+6046	-
Mode 22	U-NII-5	5.925-6.425	MIMO	Proprietary	43+51+59	6165+6205+6245	-
Mode 23	U-NII-5	5.925-6.425	MIMO	Proprietary	75+83+91	6325+6365+6405	-
Mode 24	U-NII-5	5.925-6.425	MIMO	Proprietary	3+43+91	5965+6165+6405	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Remark
Mode 25	U-NII-5	5.925-6.425	MIMO	Proprietary	3+11+19+27	5965+6005+6045+6085	-
Mode 26	U-NII-5	5.925-6.425	MIMO	Proprietary	35+43+51+59	6125+6165+6205+6245	-
Mode 27	U-NII-5	5.925-6.425	MIMO	Proprietary	67+75+83+91	6285+6325+6365+6405	-
Mode 28	U-NII-5	5.925-6.425	MIMO	Proprietary	3+27+51+91	5965+6085+6205+6405	-
Mode 37	U-NII-7	6.525-6.875	MIMO	Proprietary	119	6545	-
Mode 38	U-NII-7	6.525-6.875	MIMO	Proprietary	147	6685	-
Mode 39	U-NII-7	6.525-6.875	MIMO	Proprietary	181	6855	-
Mode 40	U-NII-7	6.525-6.875	MIMO	Proprietary	119+127	6545+6585	-
Mode 41	U-NII-7	6.525-6.875	MIMO	Proprietary	147+155	6685+6725	-
Mode 42	U-NII-7	6.525-6.875	MIMO	Proprietary	173+181	6815+6855	-
Mode 43	U-NII-7	6.525-6.875	MIMO	Proprietary	119+181	6545+6855	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Remark
Mode 44	U-NII-7	6.525-6.875	MIMO	Proprietary	119+127+135	6545+6585+6625	-
Mode 45	U-NII-7	6.525-6.875	MIMO	Proprietary	139+147+155	6645+6685+6725	-
Mode 46	U-NII-7	6.525-6.875	MIMO	Proprietary	165+173+181	6775+6815+6855	-
Mode 47	U-NII-7	6.525-6.875	MIMO	Proprietary	119+147+181	6545+6685+6855	-
Mode 48	U-NII-7	6.525-6.875	MIMO	Proprietary	119+127+135+143	6545+6585+6625+6665	-
Mode 49	U-NII-7	6.525-6.875	MIMO	Proprietary	139+147+155+163	6645+6685+6725+6765	-
Mode 50	U-NII-7	6.525-6.875	MIMO	Proprietary	157+165+173+181	6735+6775+6815+6855	-
Mode 51	U-NII-7	6.525-6.875	MIMO	Proprietary	119+139+159+181	6545+6645+6745+6855	-
Mode 52	U-NII-5	5.925-6.425	MIMO	Proprietary	3+11	5965+6005	LF

C2. Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
14	Proprietary	3	5924.68	63.95	68.20	-4.25	H	Avg.	Pass	Band Edge
14	Proprietary	3	17895.00	44.05	54.00	-9.95	V	Avg.	Pass	Harmonic
15	Proprietary	43	-	-	-	-	-	-	-	Band Edge
15	Proprietary	43	12330.00	40.71	54.00	-13.29	V	Avg.	Pass	Harmonic
16	Proprietary	91	-	-	-	-	-	-	-	Band Edge
16	Proprietary	91	19215.00	40.45	74.00	-33.55	H	Peak	Pass	Harmonic
17	Proprietary	3+11	5924.96	67.10	68.20	-1.10	H	Avg.	Pass	Band Edge
17	Proprietary	3+11	17895.00	43.65	54.00	-10.35	H	Avg.	Pass	Harmonic
18	Proprietary	43+51	-	-	-	-	-	-	-	Band Edge
18	Proprietary	43+51	12330.00	40.09	54.00	-13.91	V	Avg.	Pass	Harmonic
19	Proprietary	83+91	-	-	-	-	-	-	-	Band Edge

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
19	Proprietary	83+91	19215.00	38.64	54.00	-15.36	V	Peak	Pass	Harmonic
20	Proprietary	3+91	6852.00	63.44	68.20	-4.76	H	Avg.	Pass	Band Edge
20	Proprietary	3+91	17895.00	42.66	54.00	-11.34	V	Avg.	Pass	Harmonic
21	Proprietary	3+11+19	5924.96	67.00	68.20	-1.20	H	Avg.	Pass	Band Edge
21	Proprietary	3+11+19	17895.00	53.07	74.00	-20.93	H	Peak	Pass	Harmonic
22	Proprietary	43+51+59	-	-	-	-	-	-	-	Band Edge
22	Proprietary	43+51+59	12410.00	48.73	54.00	-5.27	H	Avg.	Pass	Harmonic
23	Proprietary	75+83+91	-	-	-	-	-	-	-	Band Edge
23	Proprietary	75+83+91	12650.00	40.30	54.00	-13.70	V	Avg.	Pass	Harmonic
24	Proprietary	3+43+91	5725.00	66.68	68.20	-1.52	H	Avg.	Pass	Band Edge
24	Proprietary	3+43+91	17895.00	42.91	54.00	-11.09	H	Avg.	Pass	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
25	Proprietary	3+11+19+27	5924.68	65.72	68.20	-2.48	H	Avg.	Pass	Band Edge
25	Proprietary	3+11+19+27	17895.00	43.41	54.00	-10.59	V	Avg.	Pass	Harmonic
26	Proprietary	35+43+51+59	-	-	-	-	-	-	-	Band Edge
26	Proprietary	35+43+51+59	12250.00	40.25	54.00	-13.75	H	Avg.	Pass	Harmonic
27	Proprietary	67+75+83+91	-	-	-	-	-	-	-	Band Edge
27	Proprietary	67+75+83+91	12570.00	39.75	54.00	-14.25	V	Avg.	Pass	Harmonic
28	Proprietary	3+27+51+91	5844.00	65.44	68.20	-2.76	H	Avg.	Pass	Band Edge
28	Proprietary	3+27+51+91	11930.00	40.42	54.00	-13.58	H	Avg.	Pass	Harmonic



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
37	Proprietary	119	-	-	-	-	-	-	-	Band Edge
37	Proprietary	119	19635.00	38.22	74.00	-35.78	H	Peak	Pass	Harmonic
38	Proprietary	147	-	-	-	-	-	-	-	Band Edge
38	Proprietary	147	13370.00	41.55	54.00	-12.45	H	Avg.	Pass	Harmonic
39	Proprietary	181	6166.00	64.40	68.20	-3.80	V	Avg.	Pass	Band Edge
39	Proprietary	181	20565.00	38.78	74.00	-35.22	H	Peak	Pass	Harmonic
40	Proprietary	119+127	-	-	-	-	-	-	-	Band Edge
40	Proprietary	119+127	19755.00	37.40	54.00	-16.60	H	Peak	Pass	Harmonic
41	Proprietary	147+155	-	-	-	-	-	-	-	Band Edge
41	Proprietary	147+155	13370.00	42.28	54.00	-11.72	H	Avg.	Pass	Harmonic
42	Proprietary	173+181	7125.06	51.61	68.20	-16.59	H	Avg.	Pass	Band Edge

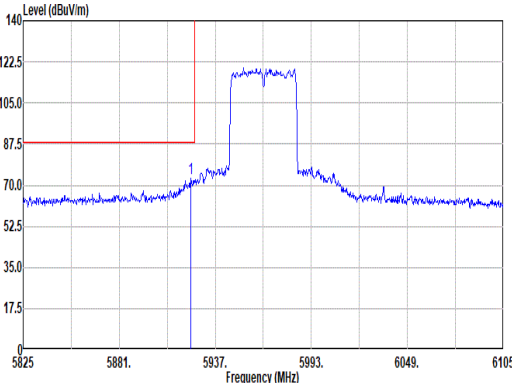
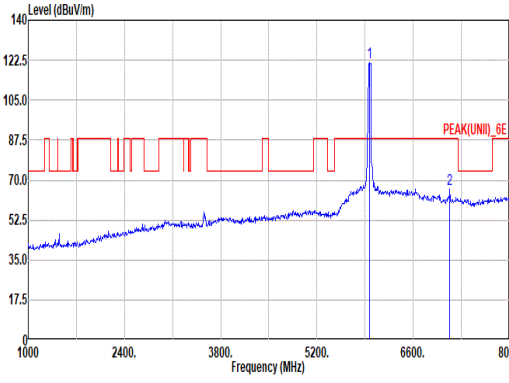
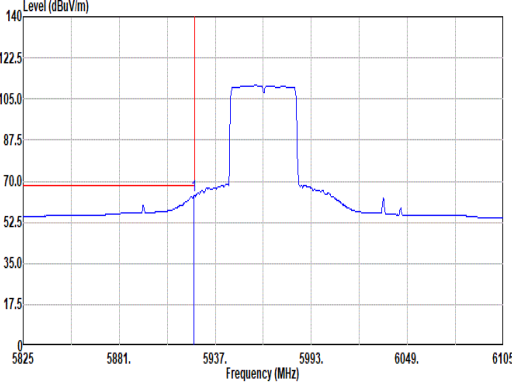
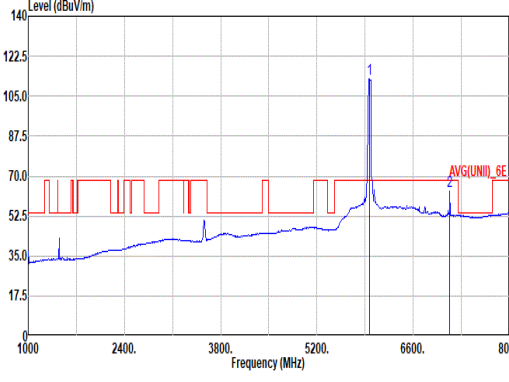


Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
42	Proprietary	173+181	20565.00	38.93	74.00	-35.07	V	Peak	Pass	Harmonic
43	Proprietary	119+181	6166.00	66.34	68.20	-1.86	V	Avg.	Pass	Band Edge
43	Proprietary	119+181	20565.00	38.86	74.00	-35.14	H	Peak	Pass	Harmonic
44	Proprietary	119+127+135	-	-	-	-	-	-	-	Band Edge
44	Proprietary	119+127+135	13250.00	40.67	54.00	-13.33	H	Avg.	Pass	Harmonic
45	Proprietary	139+147+155	-	-	-	-	-	-	-	Band Edge
45	Proprietary	139+147+155	13370.00	41.67	54.00	-12.33	H	Avg.	Pass	Harmonic
46	Proprietary	165+173+181	7133.25	52.89	68.20	-15.31	H	Avg.	Pass	Band Edge
46	Proprietary	165+173+181	20565.00	38.74	74.00	-35.26	V	Peak	Pass	Harmonic
47	Proprietary	119+147+181	7027.00	66.34	68.20	-1.86	V	Avg.	Pass	Band Edge
47	Proprietary	119+147+181	13370.00	40.55	54.00	-13.45	V	Avg.	Pass	Harmonic
48	Proprietary	119+127+135+143	-	-	-	-	-	-	-	Band Edge

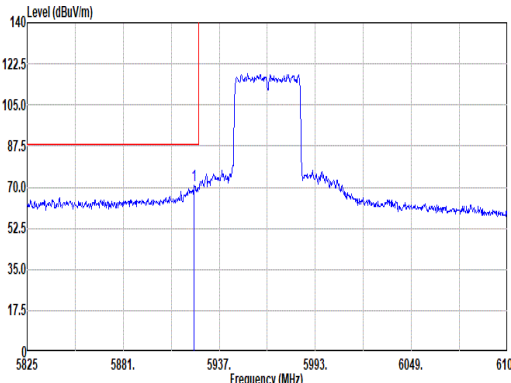
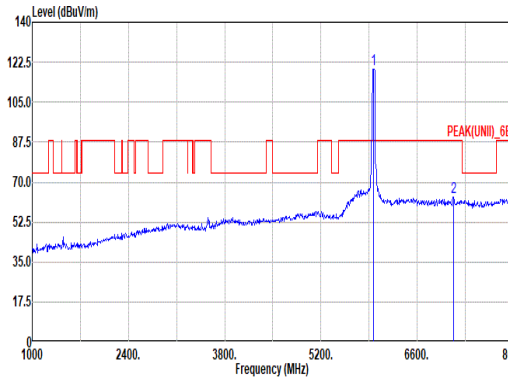
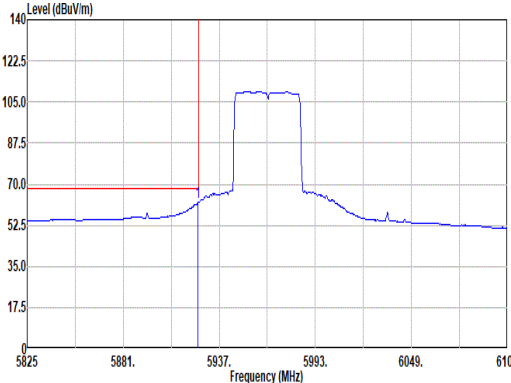
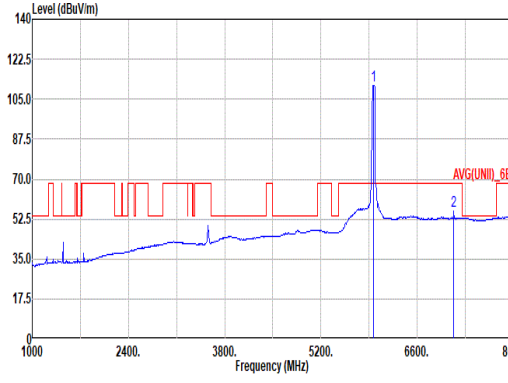


Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
48	Proprietary	119+127+135+143	13330.00	40.95	54.00	-13.05	V	Avg.	Pass	Harmonic
49	Proprietary	139+147+155+163	-	-	-	-	-	-	-	Band Edge
49	Proprietary	139+147+155+163	13370.00	41.70	54.00	-12.30	H	Avg.	Pass	Harmonic
50	Proprietary	157+165+173+181	7133.25	52.19	68.20	-16.01	H	Avg.	Pass	Band Edge
50	Proprietary	157+165+173+181	20325.00	39.28	74.00	-34.72	H	Peak	Pass	Harmonic
51	Proprietary	119+139+159+181	6432.00	66.15	68.20	-2.05	H	Avg.	Pass	Band Edge
51	Proprietary	119+139+159+181	13290.00	40.44	54.00	-13.56	H	Avg.	Pass	Harmonic
52	LF	3+11	625.58	44.63	46.00	-1.37	V	QP	Pass	LF

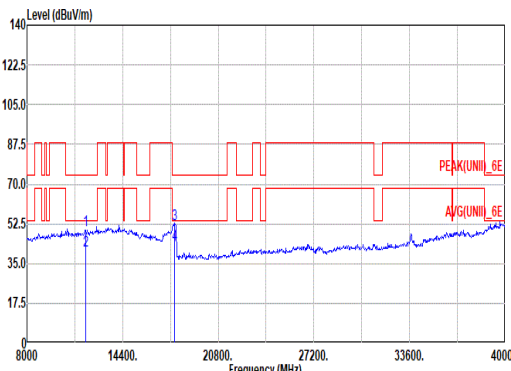
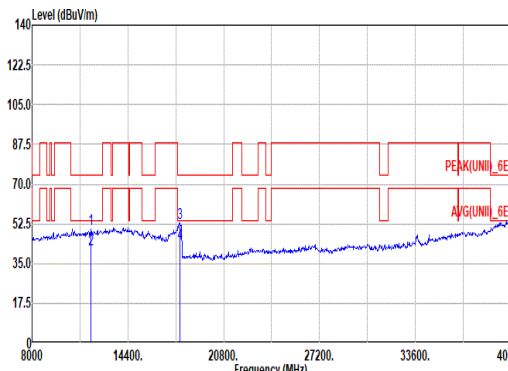


Mode	14																																																																																																															
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	Site : 03CH01-CA Condition: PEAK_BE(UNII)_6E 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5922.72</td><td>72.91</td><td>88.20</td><td>-15.29</td><td>55.31</td><td>34.25</td><td>12.59</td><td>29.24</td><td>0.00</td><td>178</td><td>178</td><td>PEAK</td></tr></tbody></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line Margin	Level	Factor	Loss	Factor	Factor		Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	5922.72	72.91	88.20	-15.29	55.31	34.25	12.59	29.24	0.00	178	178	PEAK	Site : 03CH01-CA Condition: PEAK(UNII)_6E 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5965.00</td><td>121.47</td><td>-----</td><td>-----</td><td>103.09</td><td>34.24</td><td>12.60</td><td>29.26</td><td>0.00</td><td>178</td><td>178</td><td>PEAK</td></tr><tr><td>2</td><td>7132.00</td><td>66.28</td><td>88.20</td><td>-21.92</td><td>46.01</td><td>36.70</td><td>13.83</td><td>30.26</td><td>0.00</td><td>178</td><td>178</td><td>PEAK</td></tr></tbody></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line Margin	Level	Factor	Loss	Factor	Factor		Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	5965.00	121.47	-----	-----	103.09	34.24	12.60	29.26	0.00	178	178	PEAK	2	7132.00	66.28	88.20	-21.92	46.01	36.70	13.83	30.26	0.00	178	178
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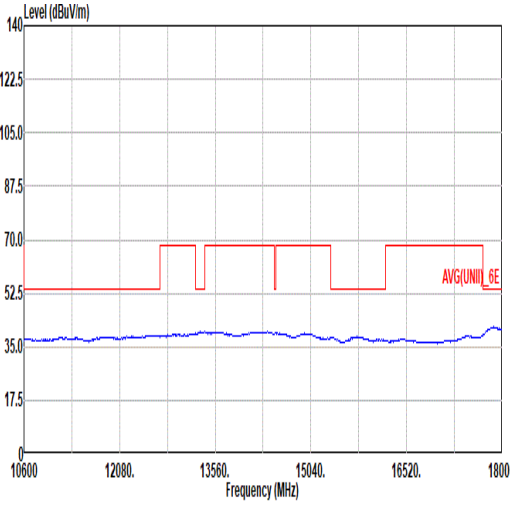
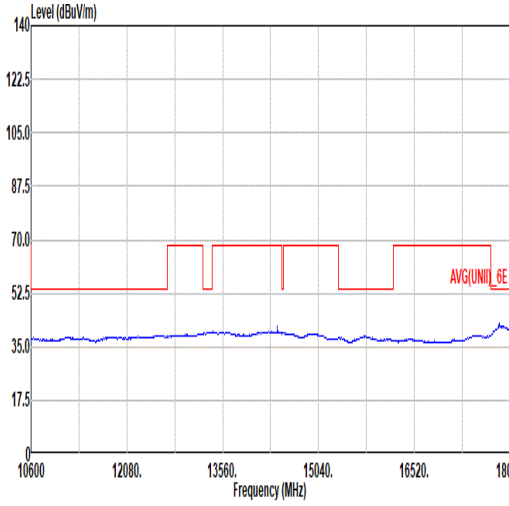
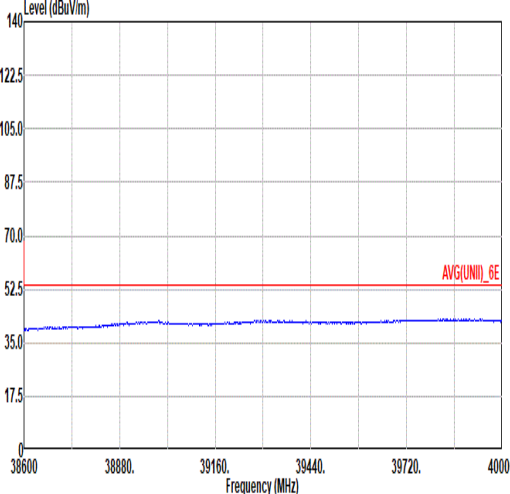
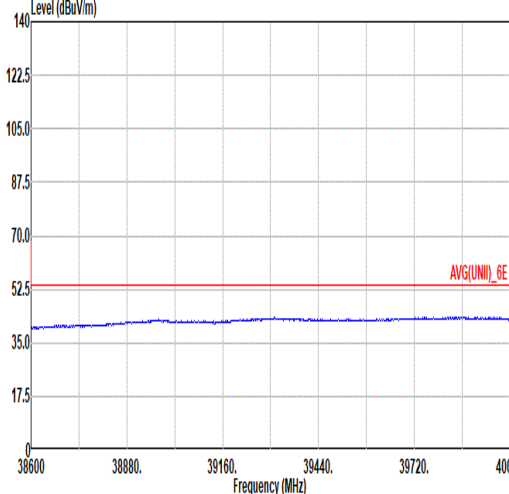


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Pol.		Vertical						Fundamental																																																												
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		Site : 03CH01-CA Condition: PEAK_BE(UNII)_6E 3m HORN_02113_240426 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5922.44</td><td>70.69</td><td>88.20</td><td>-17.51</td><td>53.03</td><td>34.31</td><td>12.59</td><td>29.24</td><td>0.00</td><td>174</td><td>184</td><td>PEAK</td></tr></tbody></table>													Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line Margin	Level	Factor	Loss	Factor	Factor		Remark	MHz	dBuV/m	dBuV/m	dB	dB	dB/m	dB	dB	cm	deg	1	5922.44	70.69	88.20	-17.51	53.03	34.31	12.59	29.24	0.00	174	184	PEAK												
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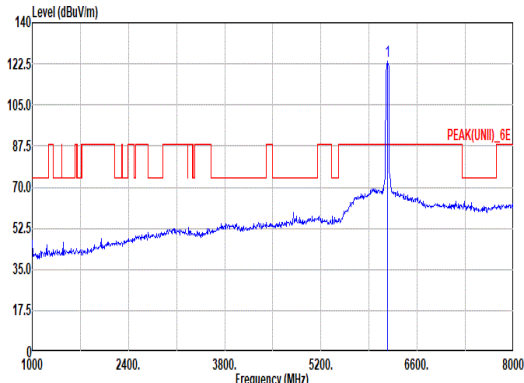
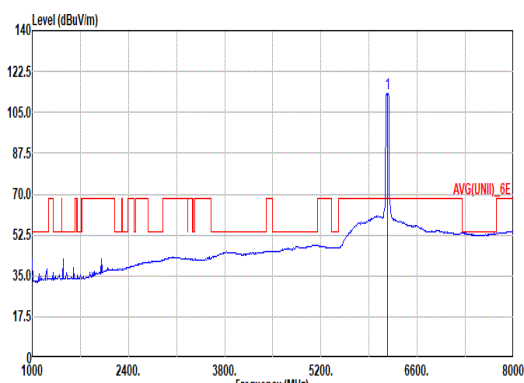


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Mode		Harmonic																																																																																																																																																					
		U-NII-5_5.925-6.425_CH3_5965MHz																																																																																																																																																					
ANT		MIMO																																																																																																																																																					
Pol.		Horizontal					Vertical																																																																																																																																																
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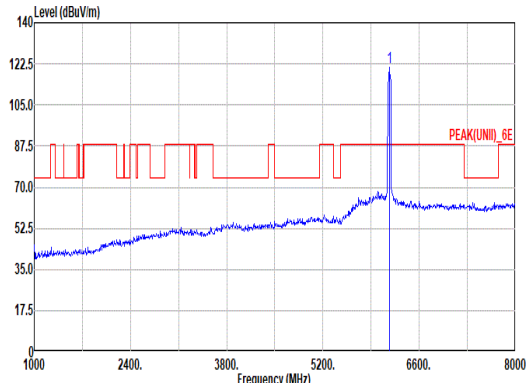
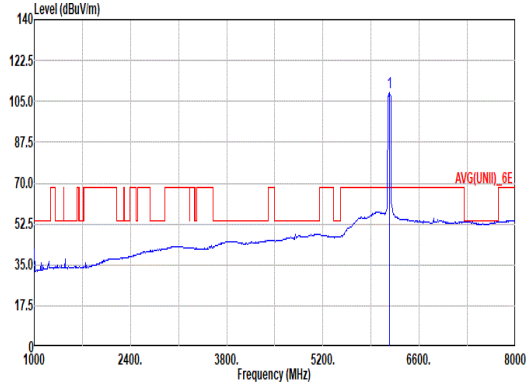


Mode	14	
	Harmonic	
	U-NII-5_5.925-6.425_CH3_5965MHz	
ANT	MIMO	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH01-CA Condition: AVG(UNII)_6E 3m HORN_02113_240426 HORIZONTAL Mode : 14	 Site : 03CH01-CA Condition: AVG(UNII)_6E 3m HORN_02113_240426 VERTICAL Mode : 14
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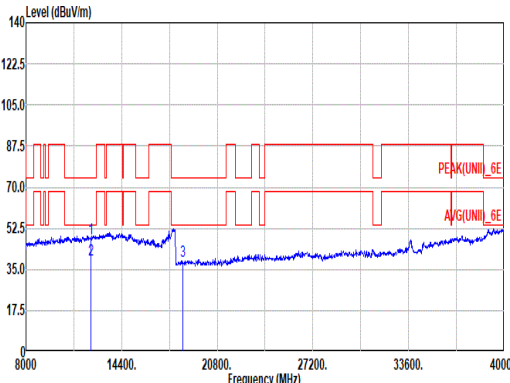
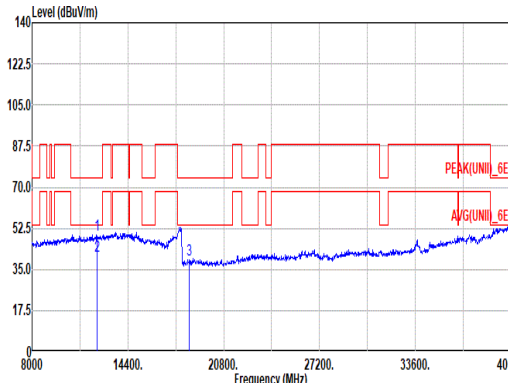


Mode	15																																														
	Band Edge																																														
	U-NII-5_5.925-6.425_CH43_6165MHz																																														
ANT	MIMO																																														
Pol.	Horizontal					Fundamental																																									
Peak	Blank					 Site : 03CH01-CA Condition: PEAK(UNII)_6E 3m HORN_02115_240806 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1 6165.00</td><td>123.84</td><td>-----</td><td>-----</td><td>106.25</td><td>34.17</td><td>12.80</td><td>29.38</td><td>0.00</td><td>174</td><td>181</td><td>PEAK</td></tr></table>						Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg	1 6165.00	123.84	-----	-----	106.25	34.17	12.80	29.38	0.00	174	181	PEAK
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Mode	15																																					
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	U-NII-5_5.925-6.425_CH43_6165MHz																																					
ANT	MIMO																																					
Pol.	Vertical	Fundamental																																				
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Freq	Level	Limit	Line Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																											
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg																											
1	6165.00	120.99	-----	103.38	34.19	12.80	29.38	0.00	174	208	PEAK																											
Avg	Blank	 Site : 03CH01-CA Condition: AVG(UNII)_6E 3m HORN_02115_240806 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>6165.00</td><td>108.67</td><td>-----</td><td>91.06</td><td>34.19</td><td>12.80</td><td>29.38</td><td>0.00</td><td>174</td><td>208</td><td>Average</td></tr></table>	Freq	Level	Limit	Line Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg	1	6165.00	108.67	-----	91.06	34.19	12.80	29.38	0.00	174	208	Average
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Pol.	Horizontal	Vertical																																																																																																																								
Peak Avg	 Site : 03CH01-CA Condition: PEAK(UNII)_6E 1m SHF_HORN_841_240807 HORIZONTAL Mode : 15 <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm deg</th></tr><tr><td>1 12330.00</td><td>48.25</td><td>74.00</td><td>-25.75</td><td>58.63</td><td>38.97</td><td>18.15</td><td>67.60</td><td>0.10</td><td>-- -- PEAK</td></tr><tr><td>2 12330.00</td><td>39.24</td><td>54.00</td><td>-14.76</td><td>49.62</td><td>38.97</td><td>18.15</td><td>67.60</td><td>0.10</td><td>-- -- Average</td></tr><tr><td>3 18495.00</td><td>38.79</td><td>74.00</td><td>-35.21</td><td>41.34</td><td>38.15</td><td>22.31</td><td>53.47</td><td>-9.54</td><td>-- -- PEAK</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm deg	1 12330.00	48.25	74.00	-25.75	58.63	38.97	18.15	67.60	0.10	-- -- PEAK	2 12330.00	39.24	54.00	-14.76	49.62	38.97	18.15	67.60	0.10	-- -- Average	3 18495.00	38.79	74.00	-35.21	41.34	38.15	22.31	53.47	-9.54	-- -- PEAK	 Site : 03CH01-CA Condition: PEAK(UNII)_6E 1m SHF_HORN_841_240807 VERTICAL Mode : 15 <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm deg</th></tr><tr><td>1 12330.00</td><td>49.76</td><td>74.00</td><td>-24.24</td><td>60.18</td><td>38.93</td><td>18.15</td><td>67.60</td><td>0.10</td><td>-- -- PEAK</td></tr><tr><td>2 12330.00</td><td>40.71</td><td>54.00</td><td>-13.29</td><td>51.13</td><td>38.93</td><td>18.15</td><td>67.60</td><td>0.10</td><td>-- -- Average</td></tr><tr><td>3 18495.00</td><td>38.85</td><td>74.00</td><td>-35.15</td><td>41.21</td><td>38.34</td><td>22.31</td><td>53.47</td><td>-9.54</td><td>-- -- PEAK</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm deg	1 12330.00	49.76	74.00	-24.24	60.18	38.93	18.15	67.60	0.10	-- -- PEAK	2 12330.00	40.71	54.00	-13.29	51.13	38.93	18.15	67.60	0.10	-- -- Average	3 18495.00	38.85	74.00	-35.15	41.21	38.34	22.31	53.47	-9.54	-- -- PEAK
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