FCC RADIO TEST REPORT

FCC ID	**:**	**J9CQCARD7280P**
Equipment	**:**	**QCARD7280P**
Brand Name	**:**	**Qualcomm**
Model Name	**:**	**QCARD7280P-3**
Applicant	**:**	**Qualcomm Technologies, Inc. 5775 Morehouse Drive, San Diego, California 92121, United State**
Manufacturer	**:**	**Qualcomm Technologies, Inc. 5775 Morehouse Drive, San Diego, California 92121, United State**
Standard	**:**	**FCC Part 15 Subpart E §15.407**

The product was received on Jun. 29, 2022 and testing was performed from Aug. 23, 2022 to Nov. 03, 2022. We, Sporton International Inc. Wensan Laboratory, 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 Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory
No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C)

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History of this test report

Report No.	Version	Description	Issue Date
FR1N1011-01F	01	Initial issue of report	Jan. 06, 2023

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i) 15.407(a)(10)	26dB Emission Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)(8) 15.407(a)(7)	Fundamental Maximum EIRP	Pass	-
3.3	15.407(a)(8) 15.407(a)(7)	Fundamental Power Spectral Density	Pass	-
3.4	15.407(b)(6)	In-Band Emissions (Channel Mask)	Pass	-
3.5	15.407(d)(6)	Contention Based Protocol	Pass	
3.6	15.407(b)	Unwanted Emissions	Pass	0.06 dB under the limit at 8226.000 MHz
-	15.207	AC Conducted Emission	Not Required	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

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

Declaration of Conformity:
1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results. 2. The measurement uncertainty please refer to this report "Uncertainty of Evaluation".
Comments and Explanations:
The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Avis Chuang

Report Producer: Clio Lo

1 General Description

1.1 Product Feature of Equipment Under Test

Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, and Wi-Fi 6GHz 802.11a/n/ac/ax.

Antenna Information								
Antenna Set	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (MHz)	Ant. Type	Connector Type	Cable Length (mm)
A	Chain0/1	HONG BO	260-25094	3.53	2.4~2.4835 GHz	PIFA	i-pex (MHF 4L)	300mm
				3.06	5.15~5.25 GHz			
				3.07	5.25~5.35 GHz			
				4.81	5.47~5.725 GHz			
				4.2	5.725~5.850 GHz			
B	Chain0/1	HONG BO	260-25083	5.09	5.850~5.895 GHz	PIFA	i-pex (MHF 4L)	300mm
				5.14	5.925~6.425 GHz			
				5.09	6.425~6.525 GHz			
				5.16	6.525~6.875 GHz			
				5.12	6.875~7.125 GHz			
C	Chain0/1	HONG BO	260-25084	3.22	2.4~2.4835 GHz	Monopole	i-pex (MHF 4L)	200mm
				3.35	5.15~5.25 GHz			
				3.42	5.25~5.35 GHz			
				4.77	5.47~5.725 GHz			
				4.72	5.725~5.850 GHz			
				4.71	5.850~5.895 GHz			
				4.75	5.925~6.425 GHz			
				4.29	6.425~6.525 GHz			
				4.81	6.525~6.875 GHz			
				4.74	6.875~7.125 GHz			

Remark:

1. Ant. 5 means Chain 0 and Ant. 4 means Chain 1.
2. The maximum gain was chosen for test.
3. The EUT's information above is declared by manufacturer. Please refer to Comments and Explanations in report summary.

1.1.1 Antenna Directional Gain

<For CDD Mode>

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)ii)

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows:

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

G_{ANT} is set equal to the gain of the antenna having the highest gain.

For PSD measurements, the directional gain calculation.

Array Gain = 10 log(NANT/NSS) dB.

The directional gain “DG” is calculated as following table.

	Ant 5 (dBi)	Ant 4 (dBi)	DG for Power (dBi)	DG for PSD (dBi)
5925 MHz ~ 6425 MHz	5.14	5.14	5.14	8.15
6425 MHz ~ 6525 MHz	5.09	5.09	5.09	8.10
6525 MHz ~ 6875 MHz	5.16	5.16	5.16	8.17
6875 MHz ~ 7125 MHz	5.12	5.12	5.12	8.13

Calculation example:

If a device has two antenna, G_{ANT1}= 5.14 dBi; G_{ANT2}=5.14 dBi

Directional gain of power measurement = max(5.14, 5.14) + 0 = 5.14 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (5.14 dBi / 20) + 10^ (5.14 dBi / 20)] ^ 2 } / 2 }

=8.15 dBi

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	DF02-HY (TAF Code: 1190)
Remark	The Contention Based Protocol test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory.

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, 03CH15-HY

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

FCC designation No.: TW1190 and TW3786

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. 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: radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

2.1 Carrier Frequency and Channel

BW 20M	**Channel**	2	1	5	9	13	17	21	25	29
	Freq. (MHz)	5935	5955	5975	5995	6015	6035	6055	6075	6095
BW 40M	**Channel**	3			11		19		27	
	Freq. (MHz)	5965			6005		6045		6085	
BW 80M	**Channel**	7					23			
	Freq. (MHz)	5985					6065			
BW 160M	**Channel**	15								
	Freq. (MHz)	6025								

BW 20M	**Channel**	33	37	41	45	49	53	57	61
	Freq. (MHz)	6115	6135	6155	6175	6195	6215	6235	6255
BW 40M	**Channel**	35		43		51		59	
	Freq. (MHz)	6125		6165		6205		6245	
BW 80M	**Channel**	39				55			
	Freq. (MHz)	6145				6225			
BW 160M	**Channel**	47							
	Freq. (MHz)	6185							

BW 20M	**Channel**	65	69	73	77	81	85	89	93
	Freq. (MHz)	6275	6295	6315	6335	6355	6375	6395	6415
BW 40M	**Channel**	67		75		83		91	
	Freq. (MHz)	6285		6325		6365		6405	
BW 80M	**Channel**	71				87			
	Freq. (MHz)	6305				6385			
BW 160M	**Channel**	79							
	Freq. (MHz)	6345							

BW 20M	Channel	97	101	105	109	113	117	121	125
	Freq. (MHz)	6435	6455	6475	6495	6515	6535	6555	6575
BW 40M	Channel	99		107		115		123	
	Freq. (MHz)	6445		6485		6525		6565	
BW 80M	Channel	103				119			
	Freq. (MHz)	6465				6545			
BW 160M	Channel	111							
	Freq. (MHz)	6505							

BW 20M	Channel	129	133	137	141	145	149	153	157
	Freq. (MHz)	6595	6615	6635	6655	6675	6695	6715	6735
BW 40M	Channel	131		139		147		155	
	Freq. (MHz)	6605		6645		6685		6725	
BW 80M	Channel	135				151			
	Freq. (MHz)	6625				6705			
BW 160M	Channel	143							
	Freq. (MHz)	6665							

BW 20M	Channel	161	165	169	173	177	181	185	189
	Freq. (MHz)	6755	6775	6795	6815	6835	6855	6875	6895
BW 40M	Channel	163		171		179		187	
	Freq. (MHz)	6765		6805		6845		6885	
BW 80M	Channel	167				183			
	Freq. (MHz)	6785				6865			
BW 160M	Channel	175							
	Freq. (MHz)	6825							

BW 20M	Channel	193	197	201	205	209	213	217	221
	Freq. (MHz)	6915	6935	6955	6975	6995	7015	7035	7055
BW 40M	Channel	195		203		211		219	
	Freq. (MHz)	6925		6965		7005		7045	
BW 80M	Channel	199				215			
	Freq. (MHz)	6945				7025			
BW 160M	Channel	207							
	Freq. (MHz)	6985							

BW 20M	Channel	225	229	233
	Freq. (MHz)	7075	7095	7115
BW 40M	Channel	227		
	Freq. (MHz)	7085		

2.2 Test Mode

This device support 26/52/106/242/484/996/2*996(1992)-tone RU

The SISO mode conducted power is covered by MIMO mode per chain, so only the MIMO mode is tested.

The power for 802.11n and 802.11ac mode is smaller than 802.11ax mode, so all other conducted and radiated test is covered by 802.11ax mode.

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

<Indoor Client>

Modulation	Data Rate
802.11a	6Mbps
802.11n HT20 (Covered by HE20)	MCS0
802.11n HT40 (Covered by HE40)	MCS0
802.11ac VHT20 (Covered by HE20)	MCS0
802.11ac VHT40 (Covered by HE40)	MCS0
802.11ac VHT80 (Covered by HE80)	MCS0
802.11ac VHT160 (Covered by HE160)	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

Remark: The conducted power level of each chain in MIMO mode is equal or higher than SISO mode.

<Standard Client>

Modulation	Data Rate
802.11a	6Mbps
802.11n HT20 (Covered by HE20)	MCS0
802.11n HT40 (Covered by HE40)	MCS0
802.11ac VHT20 (Covered by HE20)	MCS0
802.11ac VHT40 (Covered by HE40)	MCS0
802.11ac VHT80 (Covered by HE80)	MCS0
802.11ac VHT160 (Covered by HE160)	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

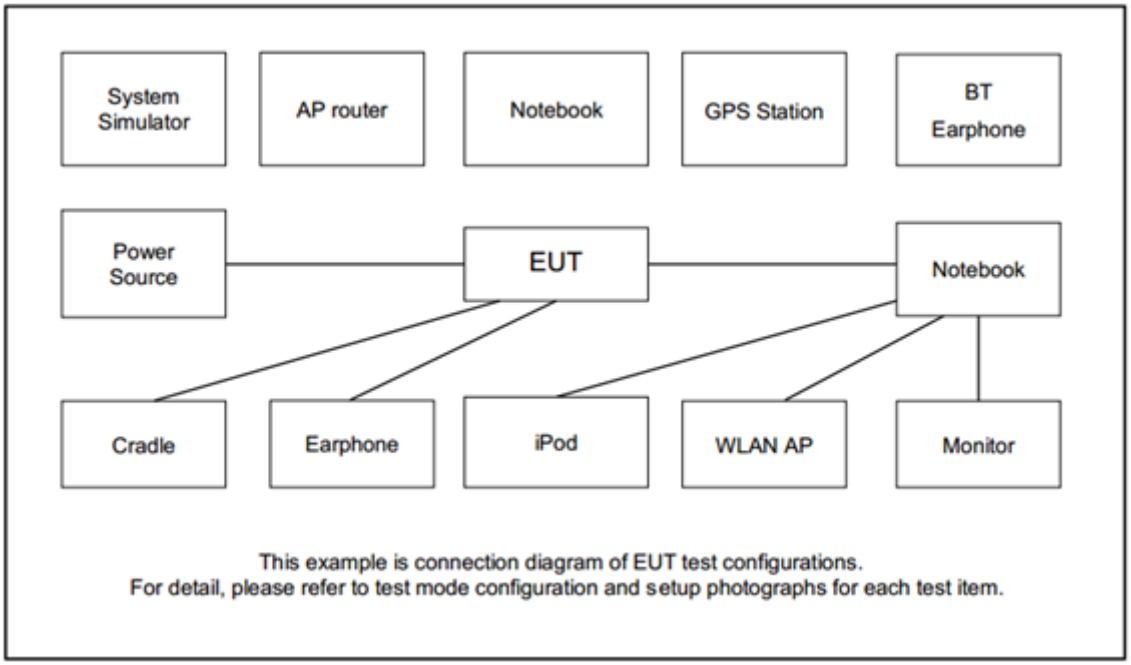
Remark: The conducted power level of each chain in MIMO mode is equal or higher than SISO mode.

Ch. #		UNII-5 (5925-6425 MHz)
		802.11ax HE20
L	Low	-
M	Middle	045
H	High	-

Ch. #		UNII-5 (5925-6425 MHz)
		802.11ax HE160
L	Low	015
M	Middle	047
H	High	-

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	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
2.	Power Supply	GW Instek	GET874629	N/A	N/A	Unshielded, 1.8 m
3.	Fixture	Qualcomm	20-33568-H1	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT v4.0.00206.0” 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.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).
= 4.2 + 10 = 14.2 (dB)

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) ≥ 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

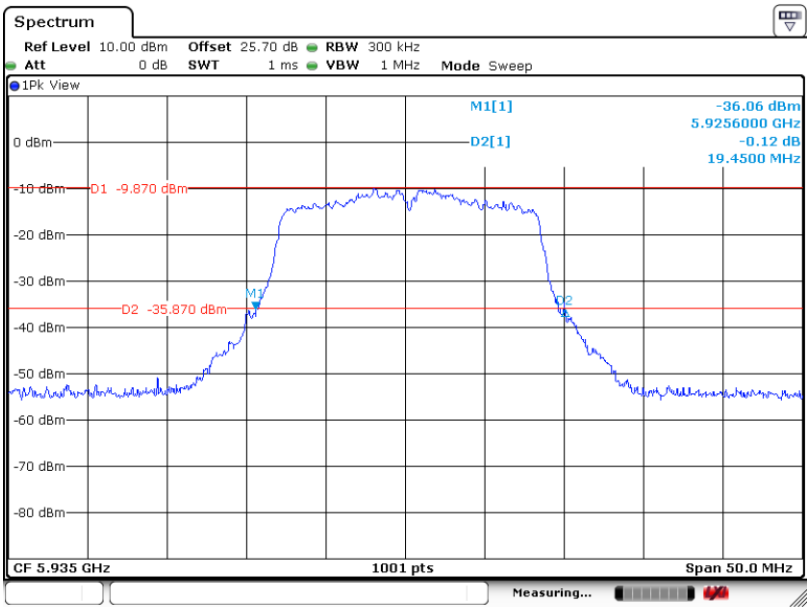
Please refer to Appendix A.

MIMO <Ant. 5+4>

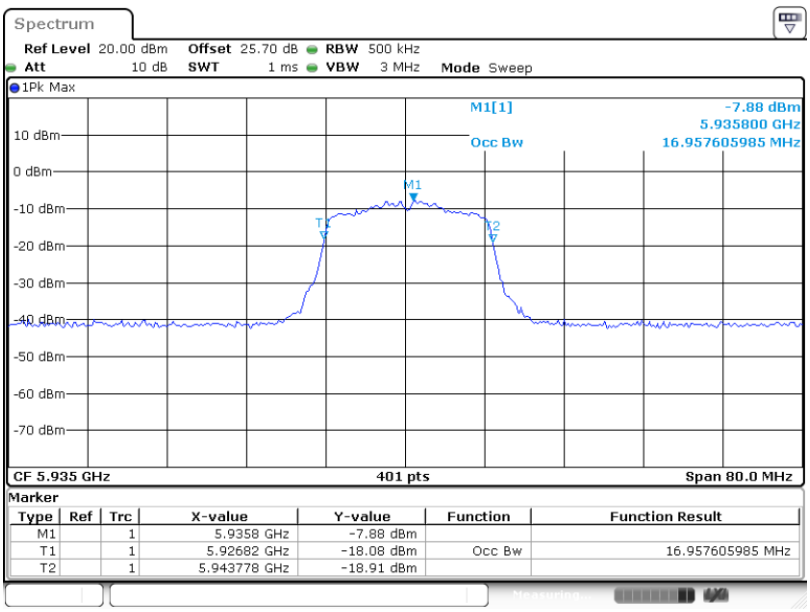
<Indoor Client>

<802.11a>

26dB Bandwidth



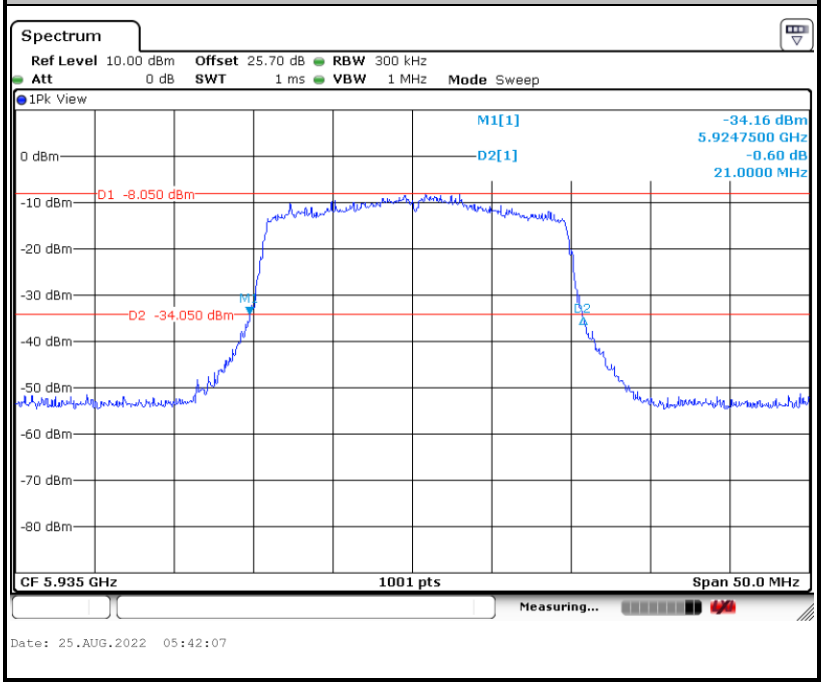
99% Occupied Bandwidth



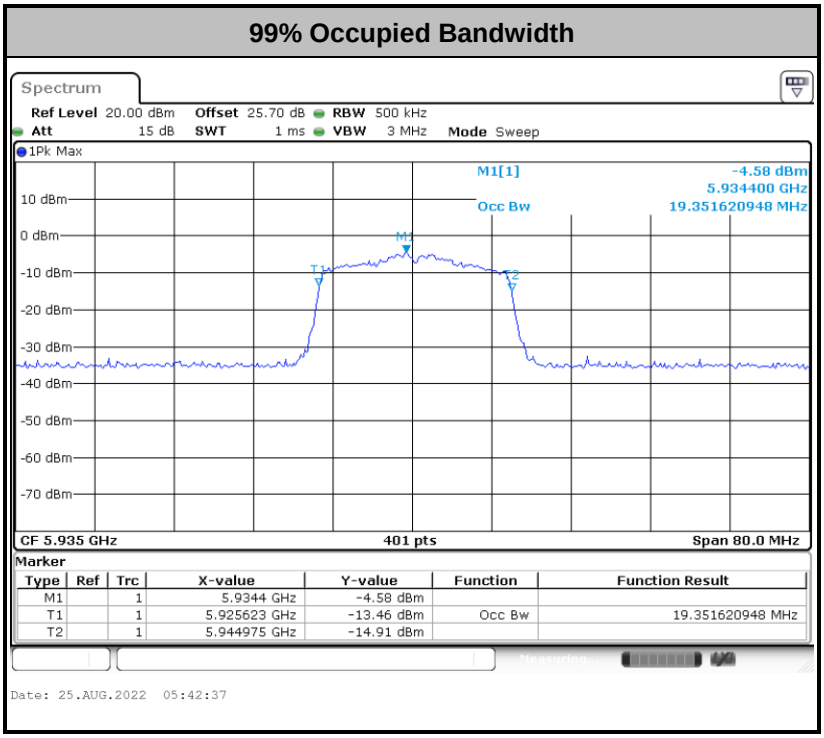
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

26dB Bandwidth



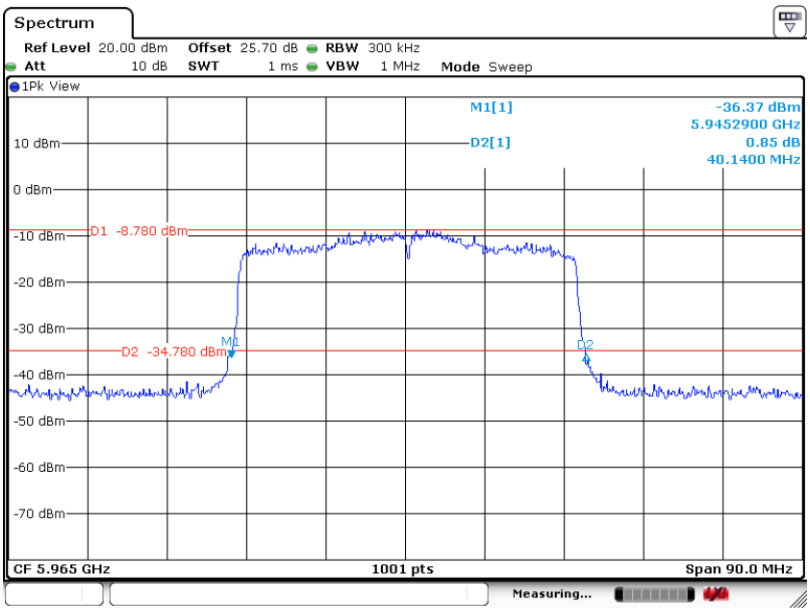
99% Occupied Bandwidth



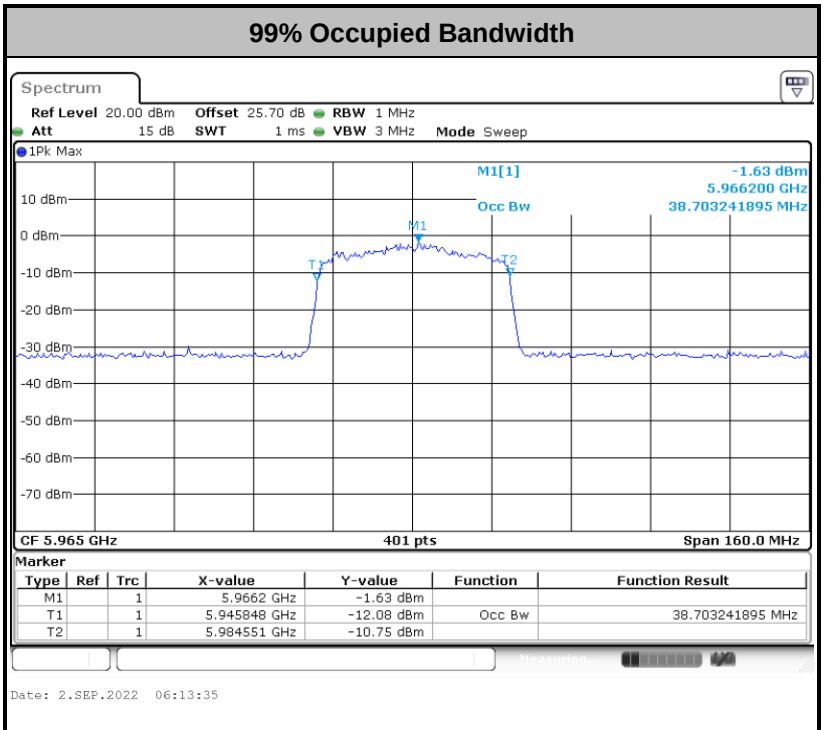
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

26dB Bandwidth



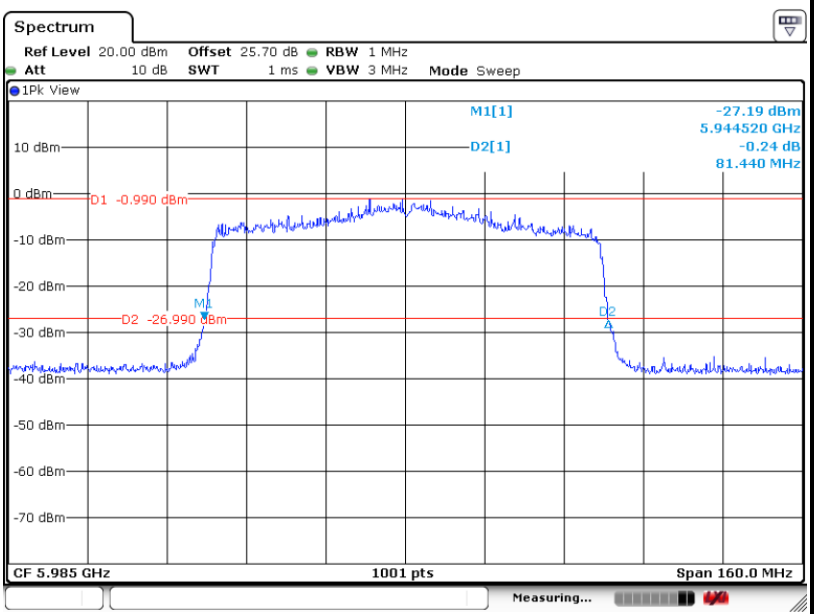
99% Occupied Bandwidth



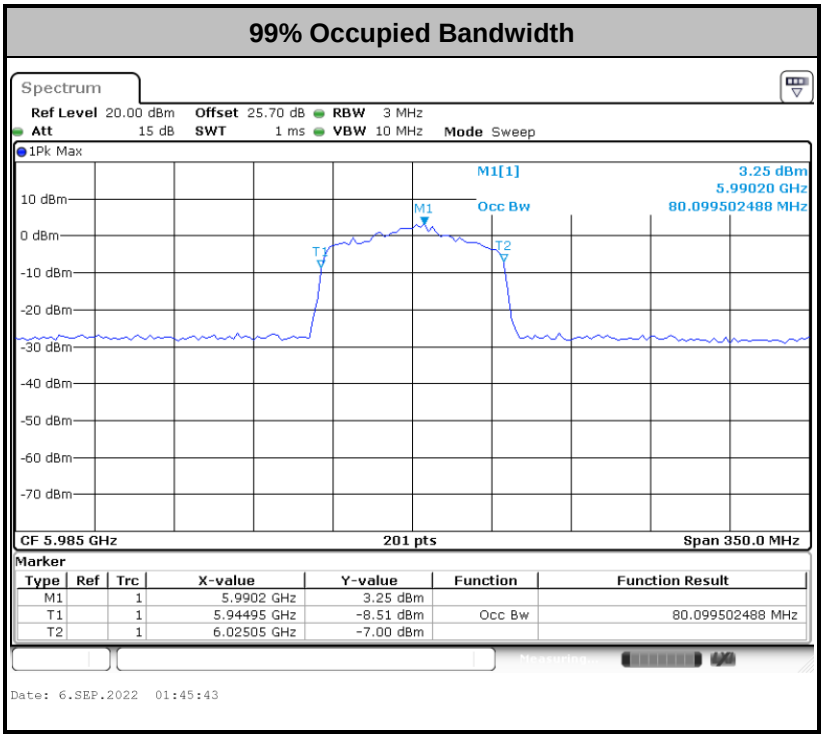
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE80>

26dB Bandwidth



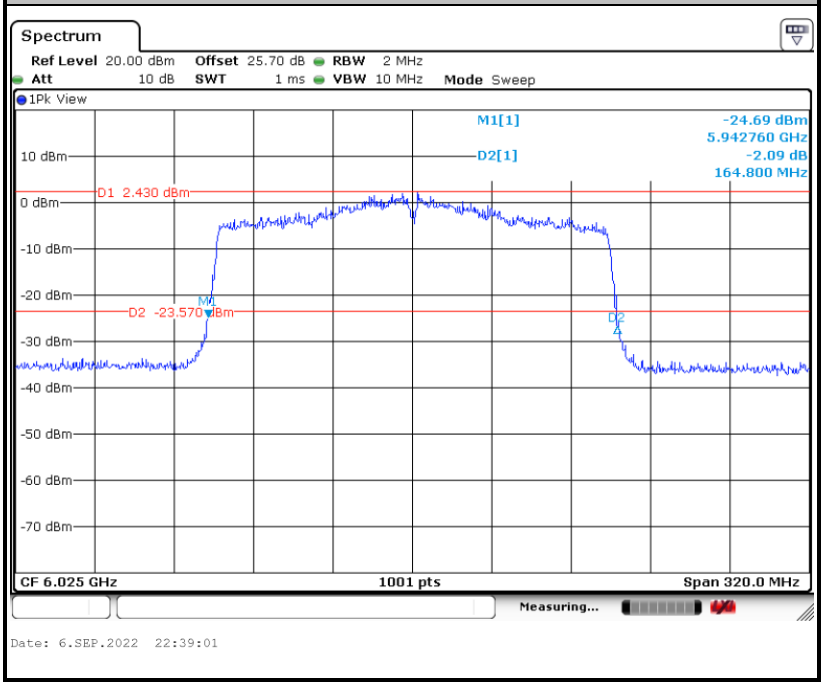
99% Occupied Bandwidth



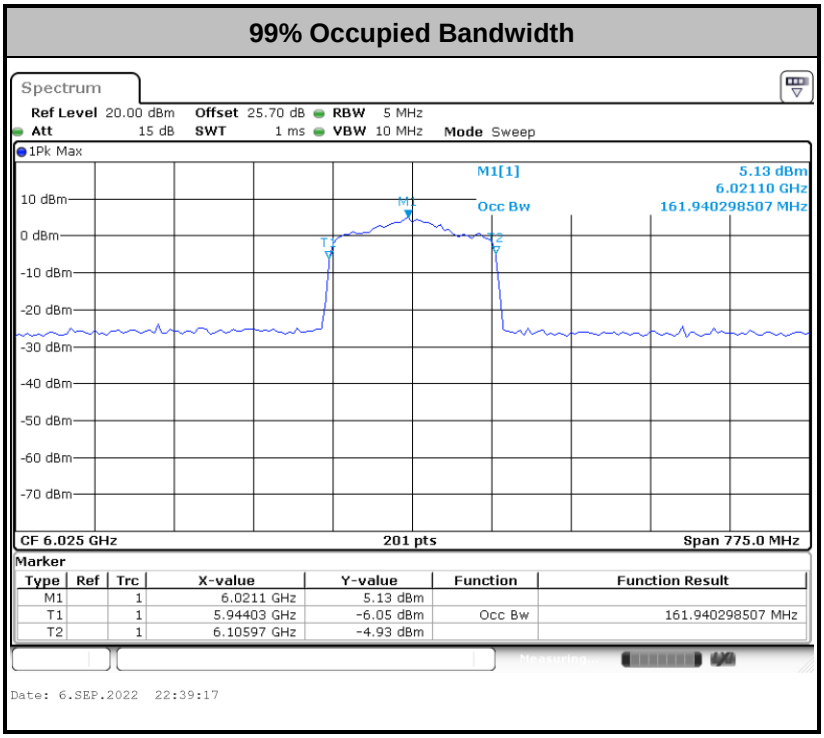
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE160>

26dB Bandwidth



99% Occupied Bandwidth

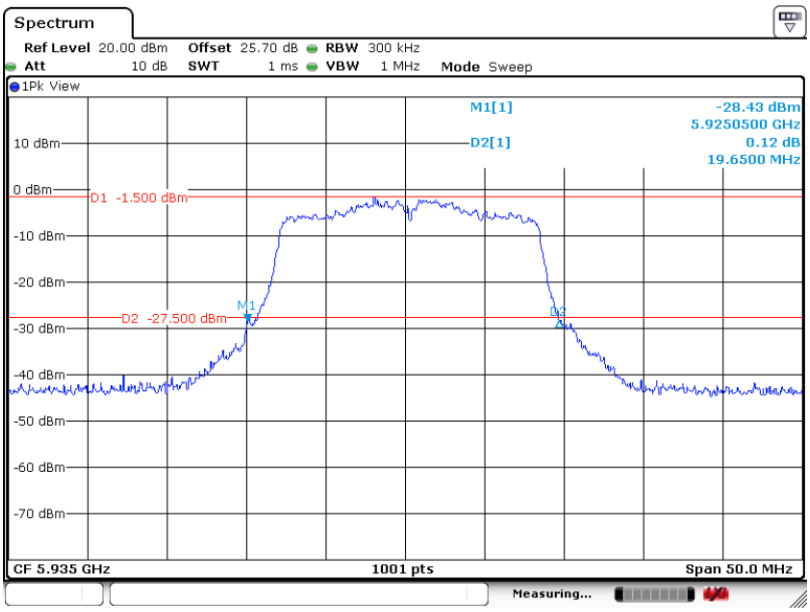


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

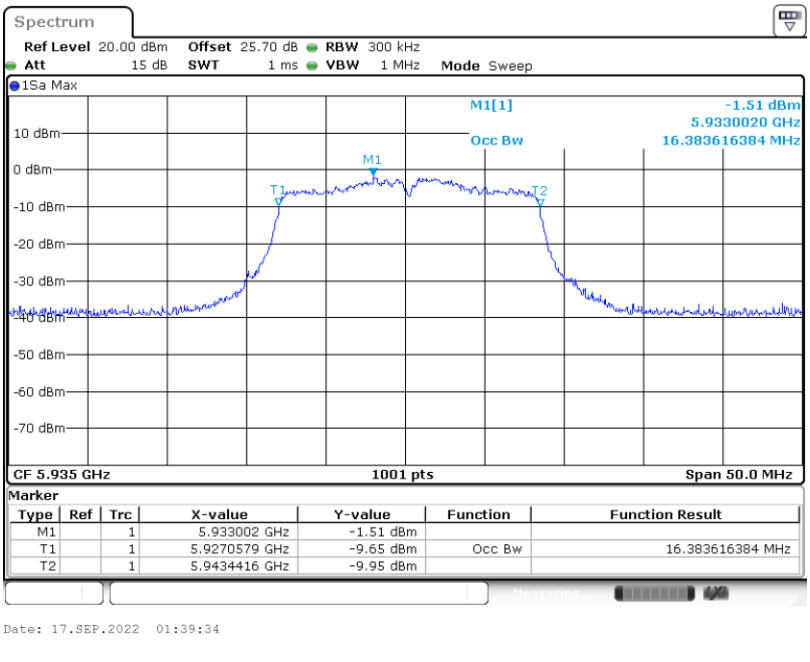
<Standard Client>

<802.11a>

26dB Bandwidth



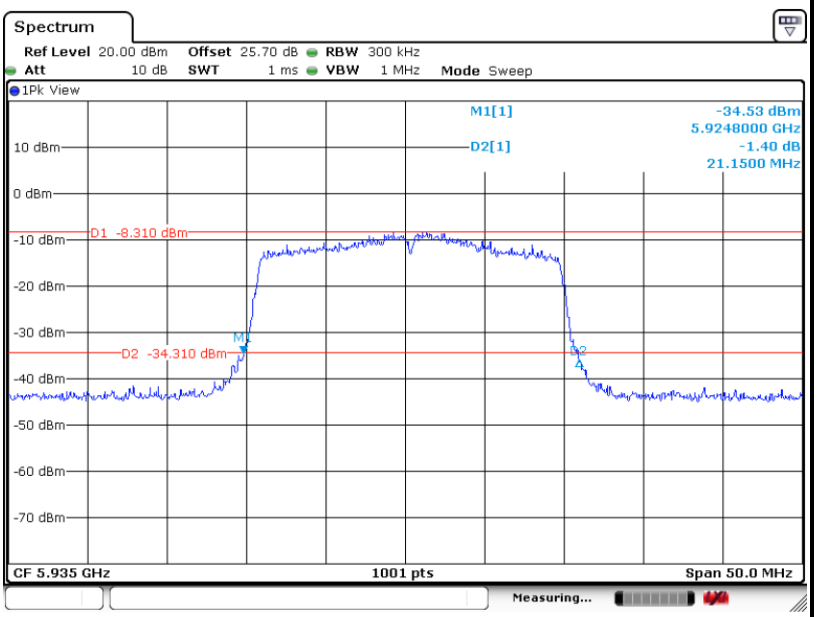
99% Occupied Bandwidth



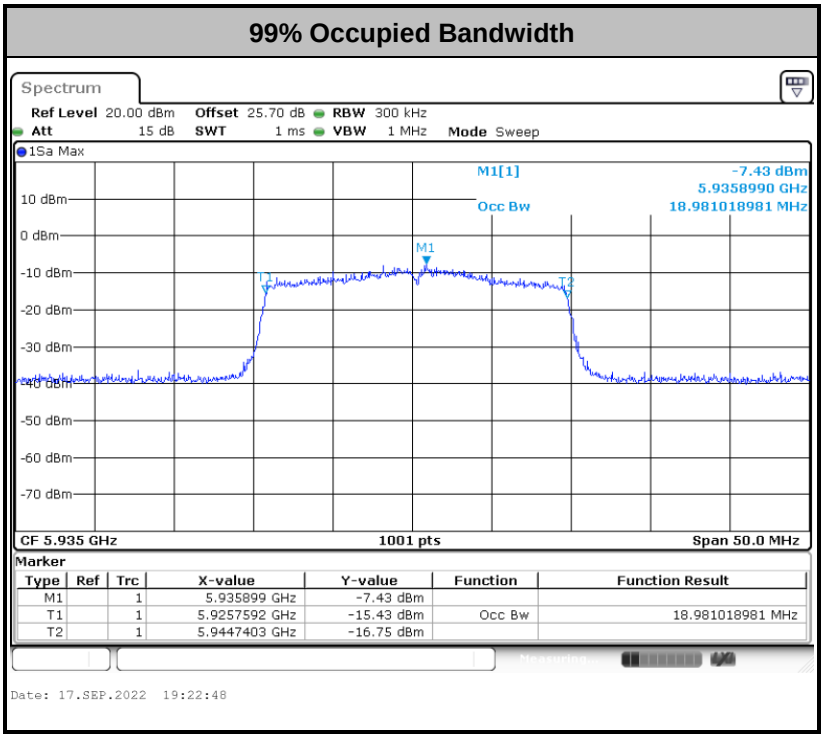
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

26dB Bandwidth



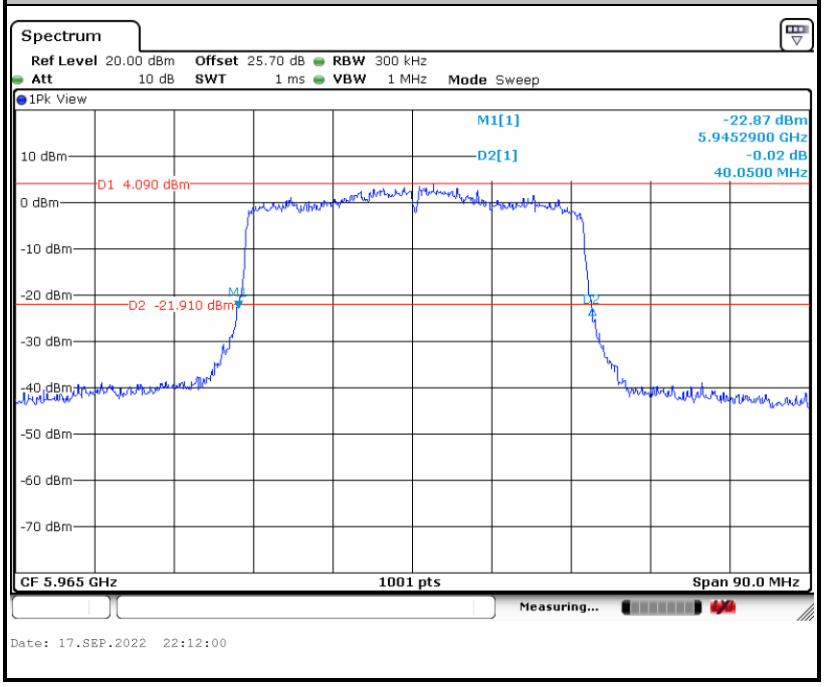
99% Occupied Bandwidth



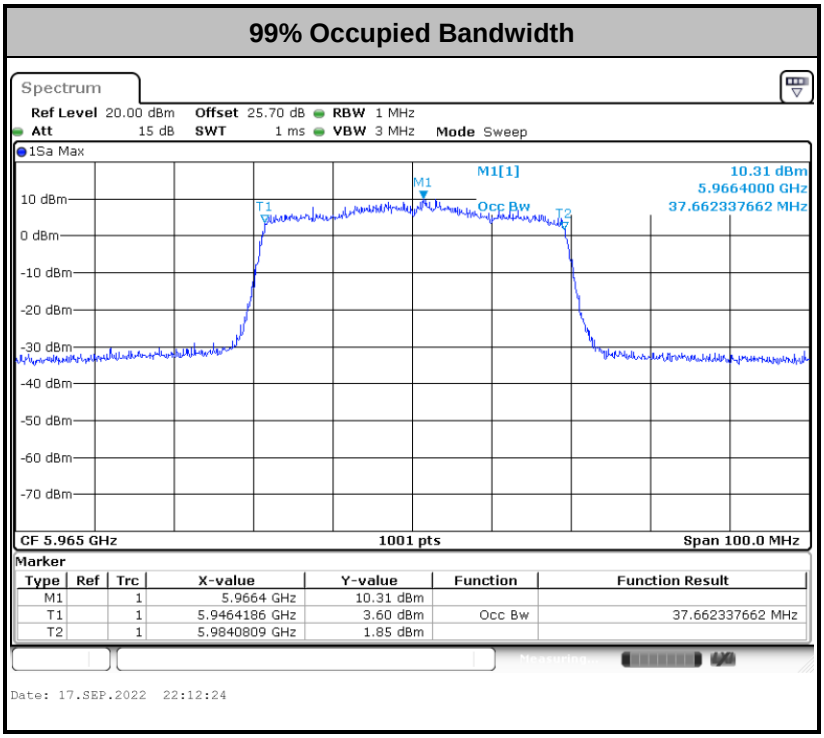
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

26dB Bandwidth



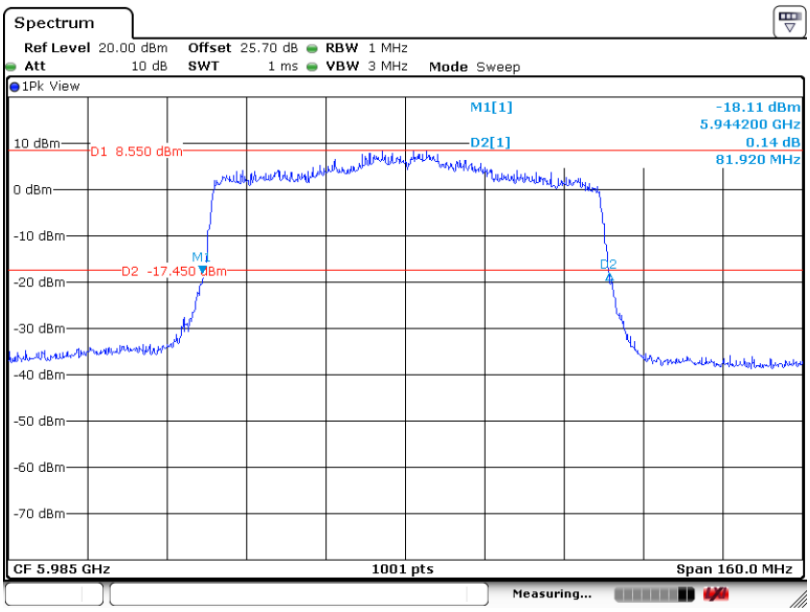
99% Occupied Bandwidth



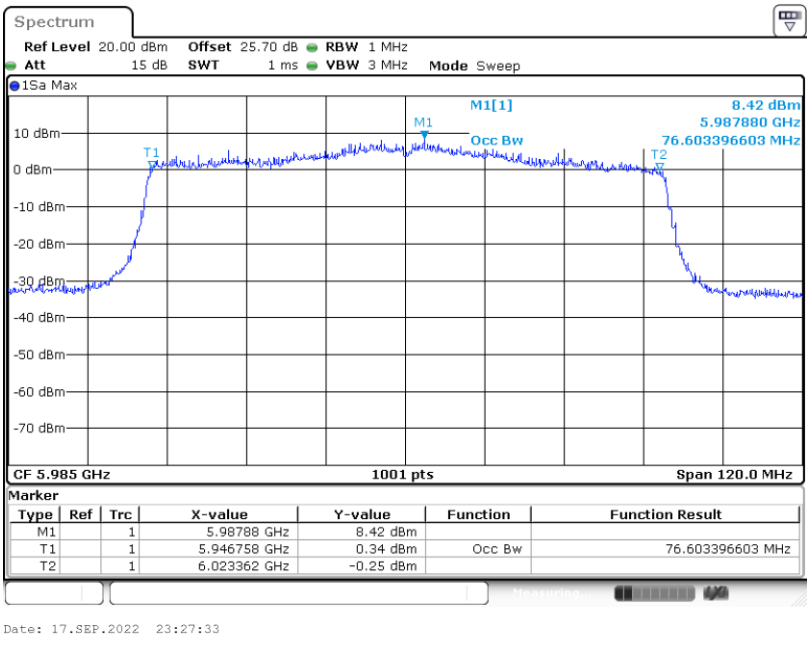
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE80>

26dB Bandwidth



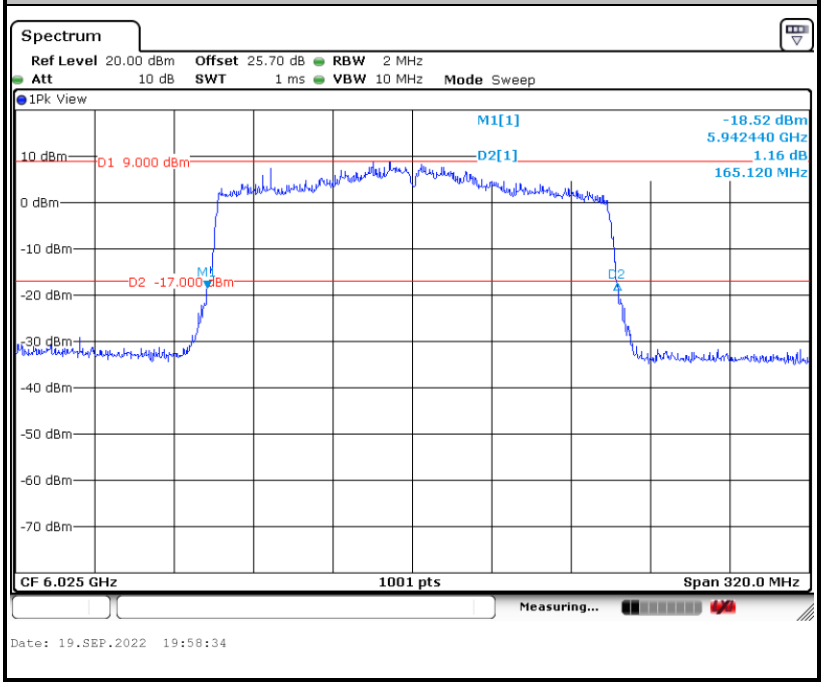
99% Occupied Bandwidth



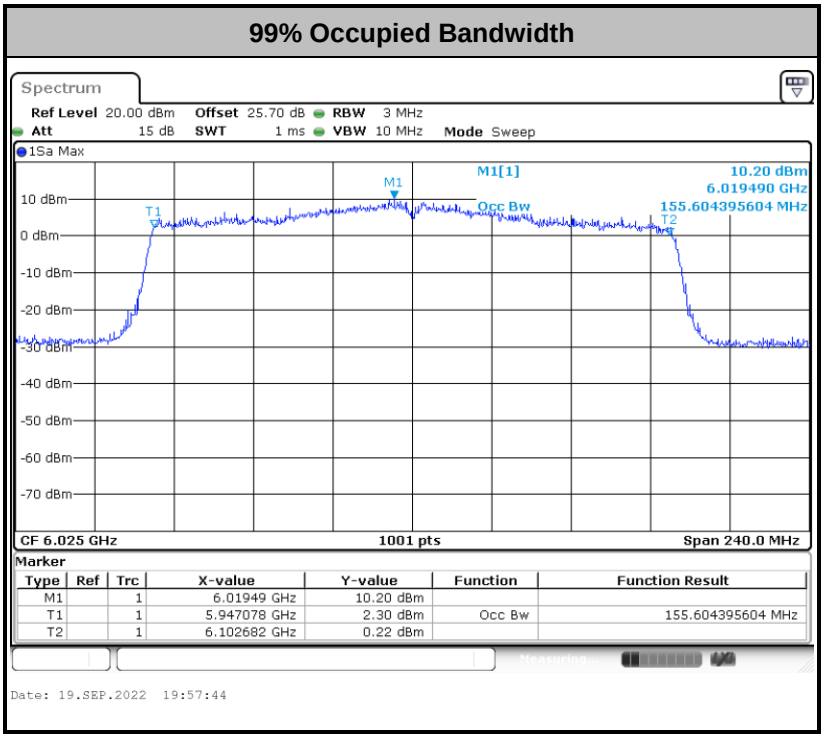
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE160>

26dB Bandwidth



99% Occupied Bandwidth



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

3.2 Fundamental Maximum EIRP Measurement

3.2.1 Limit of Fundamental Maximum EIRP

<FCC 14-30 CFR 15.407>

(a)(8) For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum e.i.r.p. over the frequency band of operation must not exceed 24 dBm.

3.2.2 Measuring Instruments

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

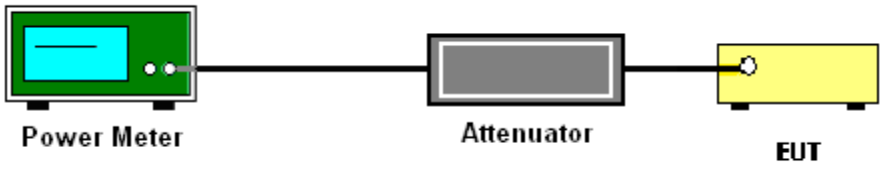
3.2.3 Test Procedures

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)(8) For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum power spectral density must not exceed −1 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).

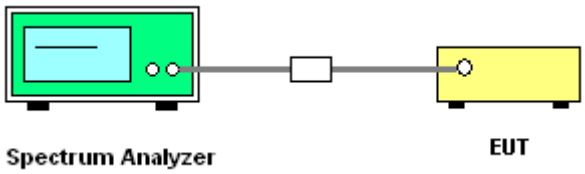
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), 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. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

   Method (a): Measure and sum the spectra across the outputs.

   The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

3.3.4 Test Setup

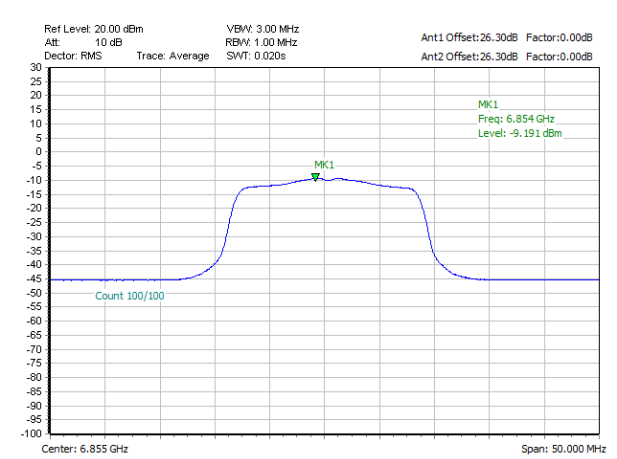


3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

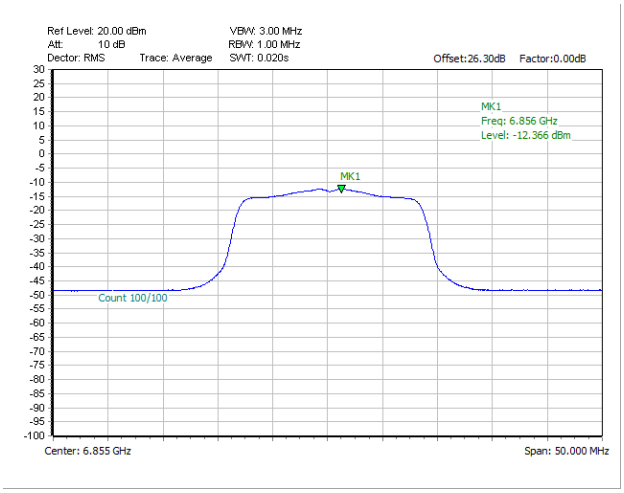
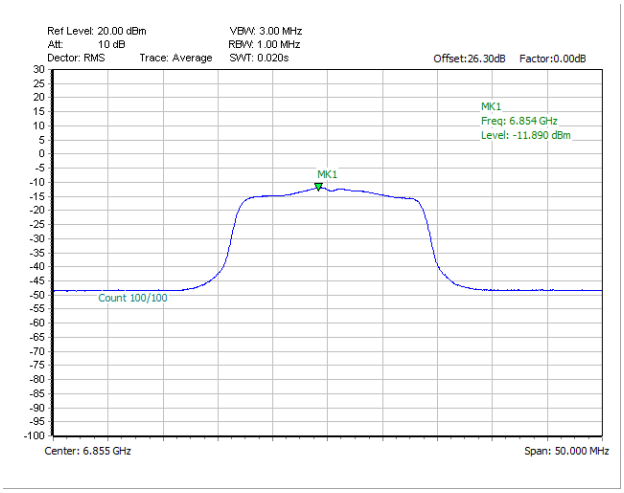
<Indoor Client>

<802.11a>

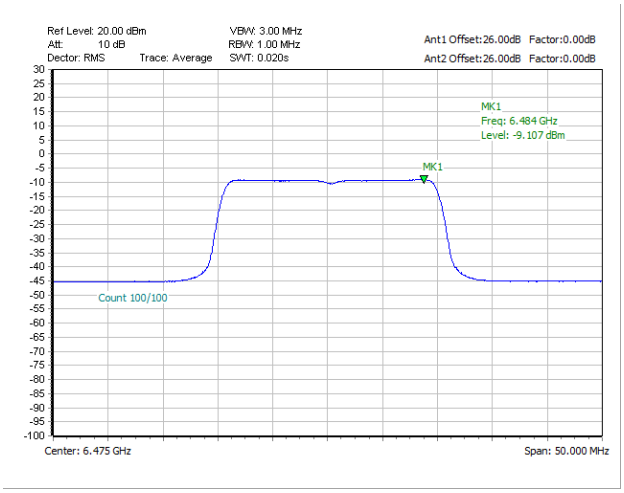
Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

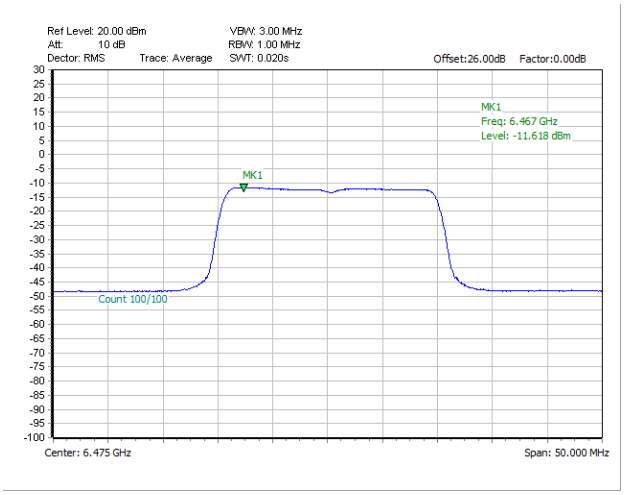
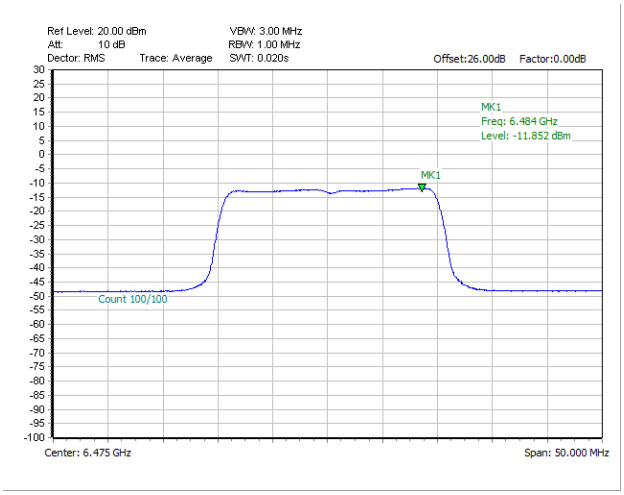
Power Density Plot Trace 1 (Ant 5)	Power Density Plot Trace 2 (Ant 4)
	

<802.11ax HE20>

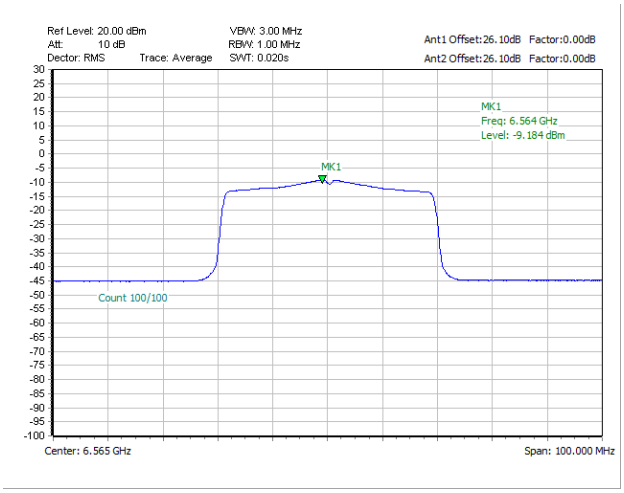
Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

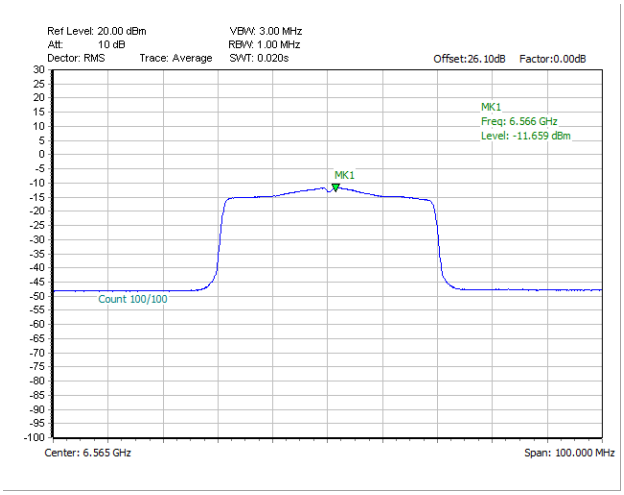
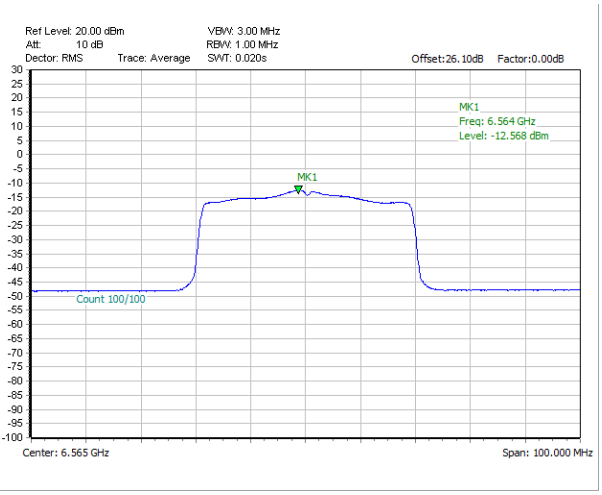
Power Density Plot Trace 1 (Ant 5)	Power Density Plot Trace 2 (Ant 4)
	

<802.11ax HE40>

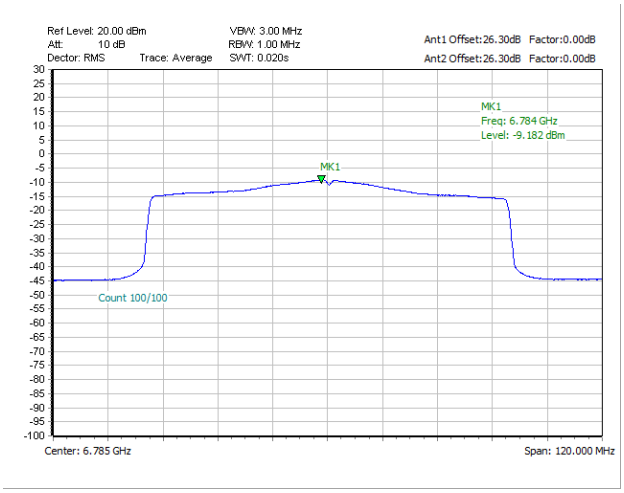
Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

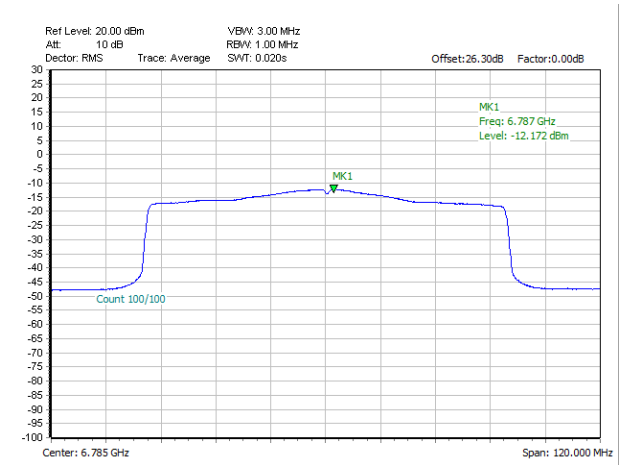
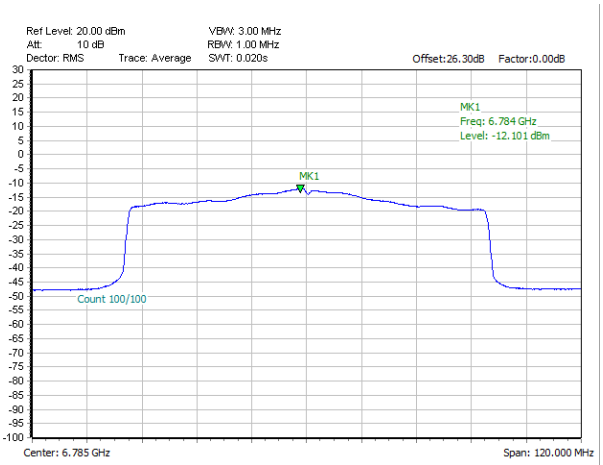
Power Density Plot Trace 1 (Ant 5)	Power Density Plot Trace 2 (Ant 4)
	

<802.11ax HE80>

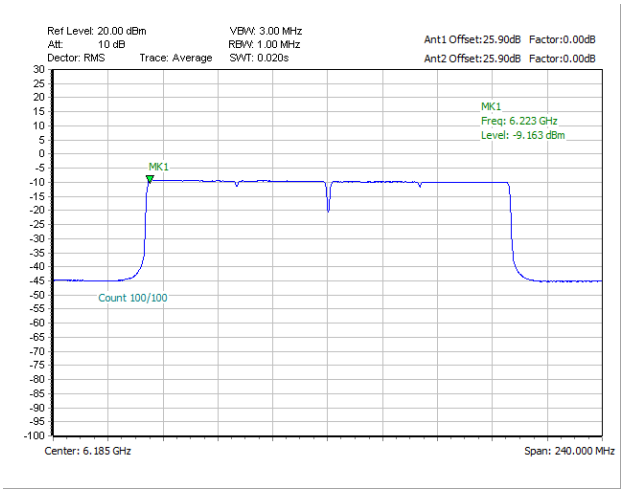
Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

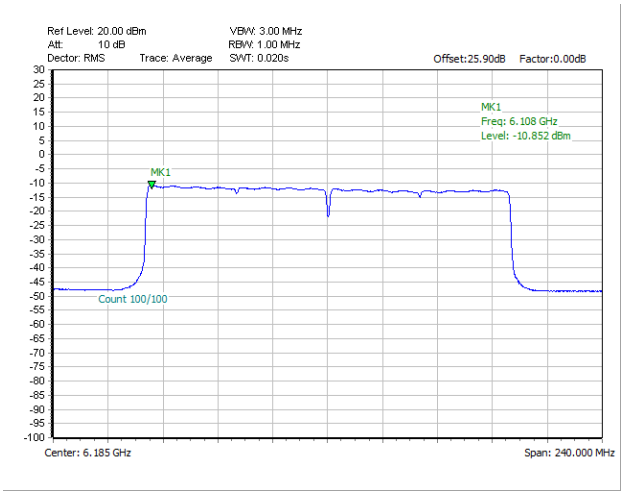
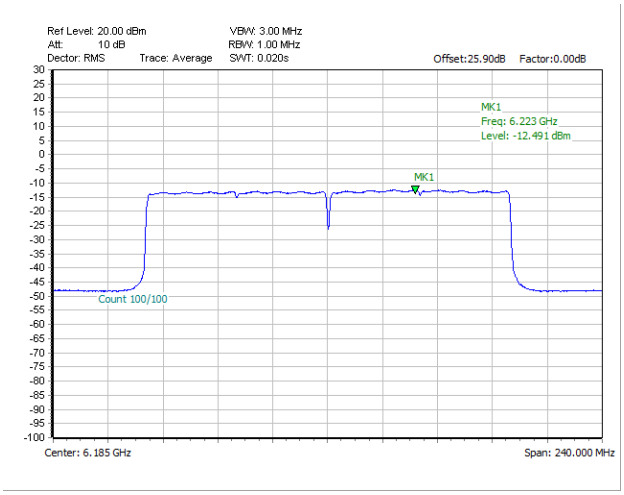
Power Density Plot Trace 1 (Ant 5)	Power Density Plot Trace 2 (Ant 4)
	

<802.11ax HE160>

Power Density Plot (dBm/MHz)


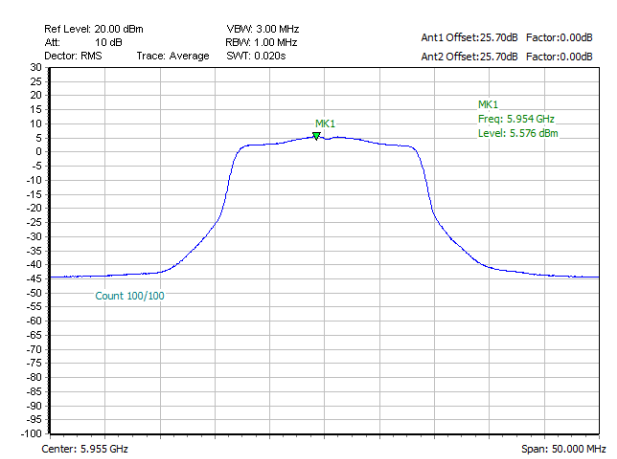
Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

Power Density Plot Trace 1 (Ant 5)	Power Density Plot Trace 2 (Ant 4)
	

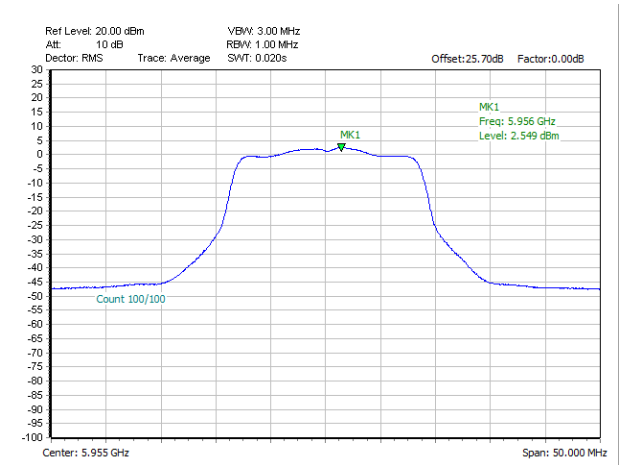
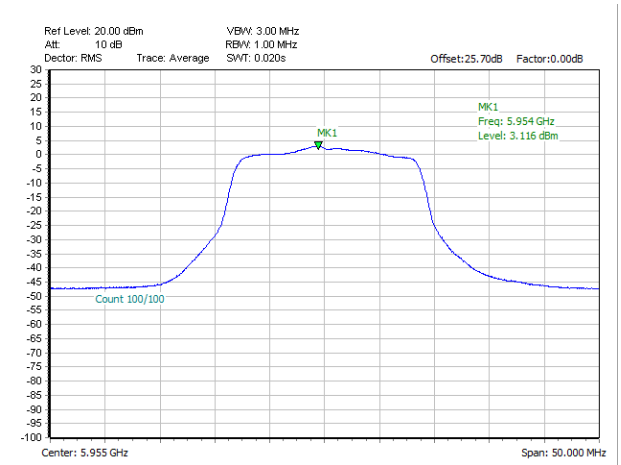
<Standard Client>

<802.11a>

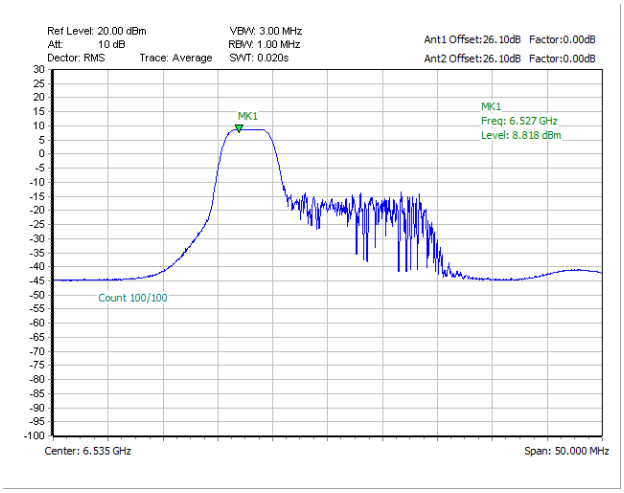
Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

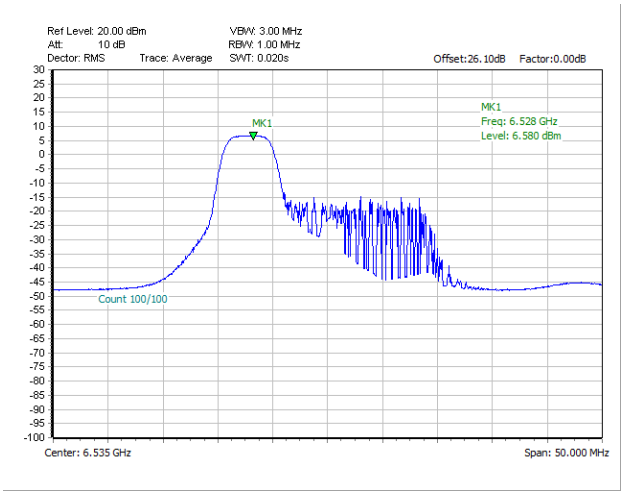
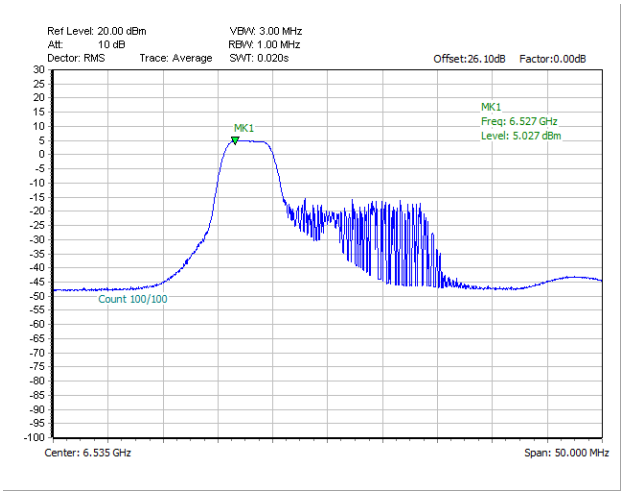
Power Density Plot Trace 1 (Ant 5)	Power Density Plot Trace 2 (Ant 4)
	

<802.11ax HE20>

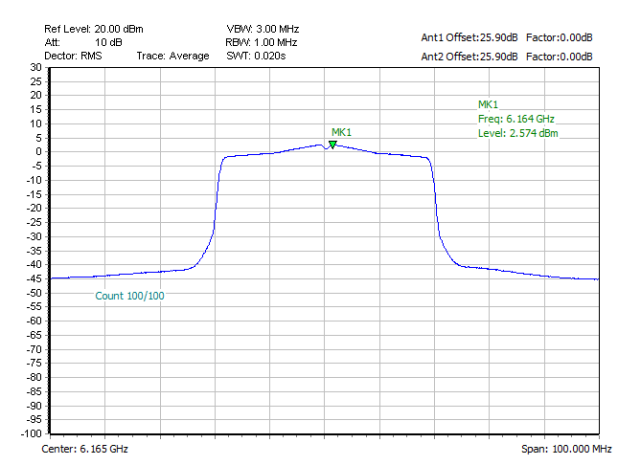
Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

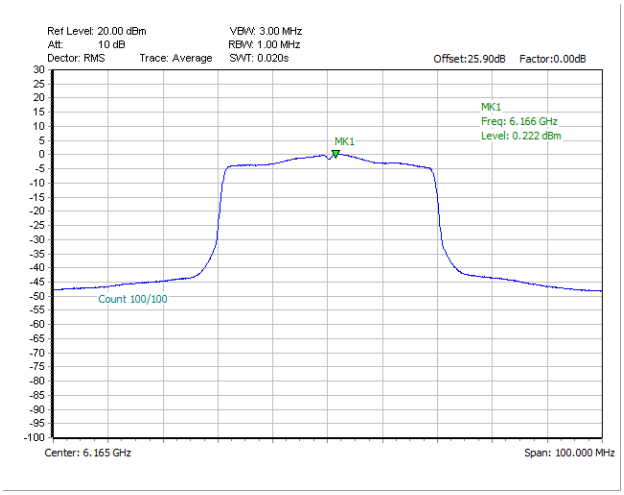
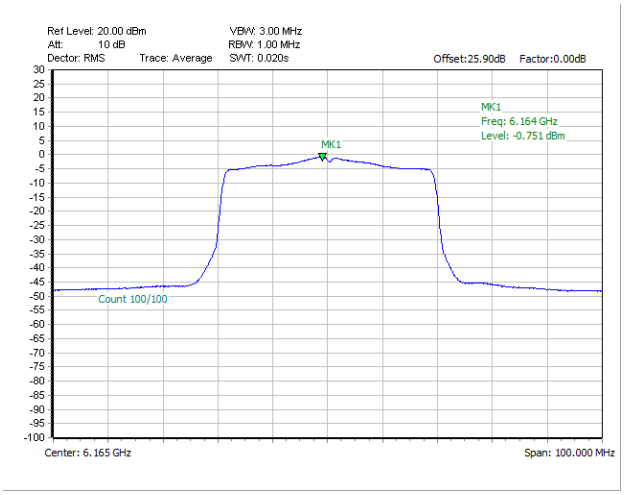
Power Density Plot Trace 1 (Ant 5)	Power Density Plot Trace 2 (Ant 4)
	

<802.11ax HE40>

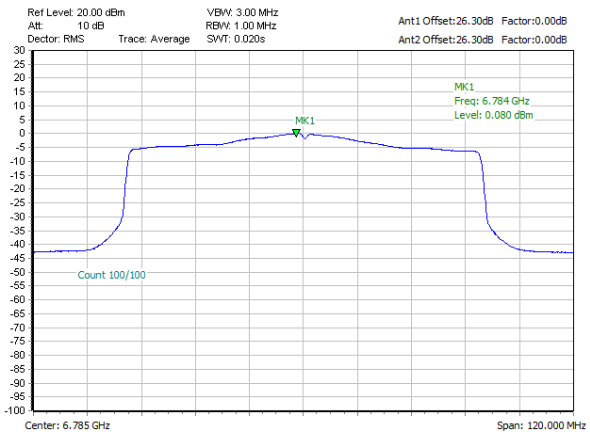
Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

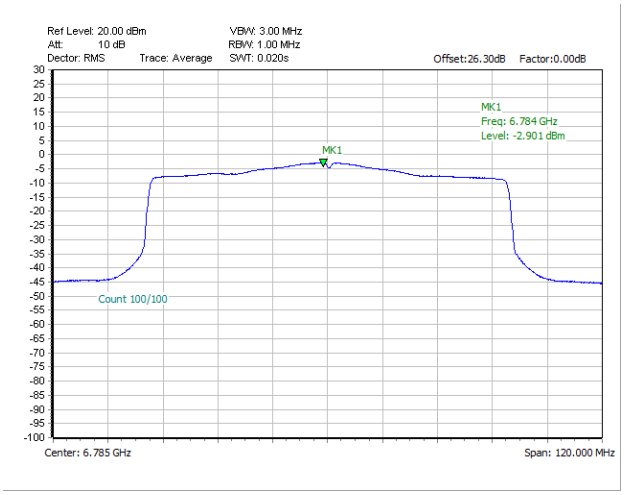
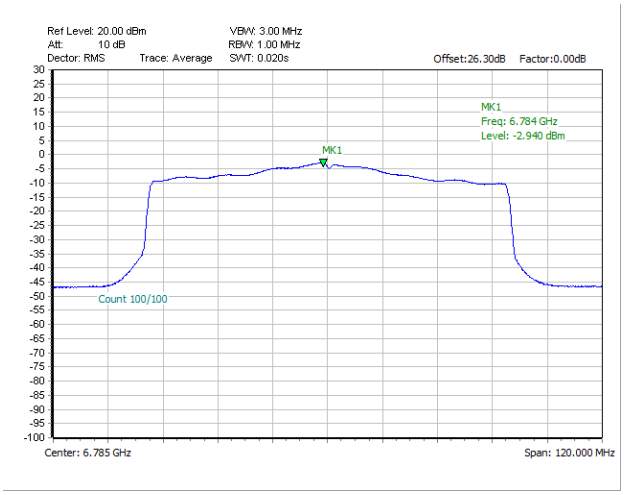
Power Density Plot Trace 1 (Ant 5)	Power Density Plot Trace 2 (Ant 4)
	

<802.11ax HE80>

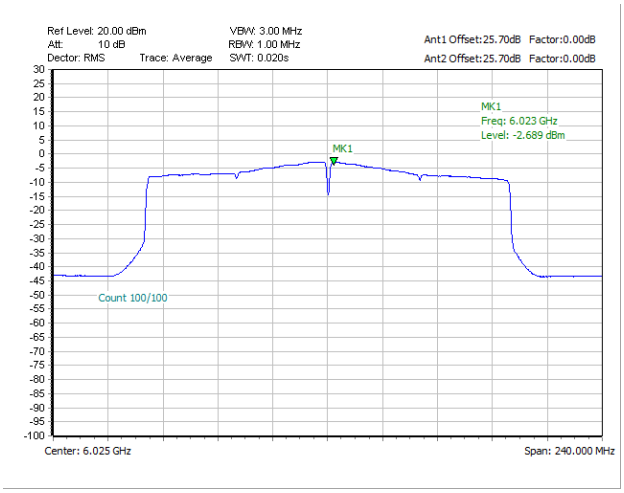
Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

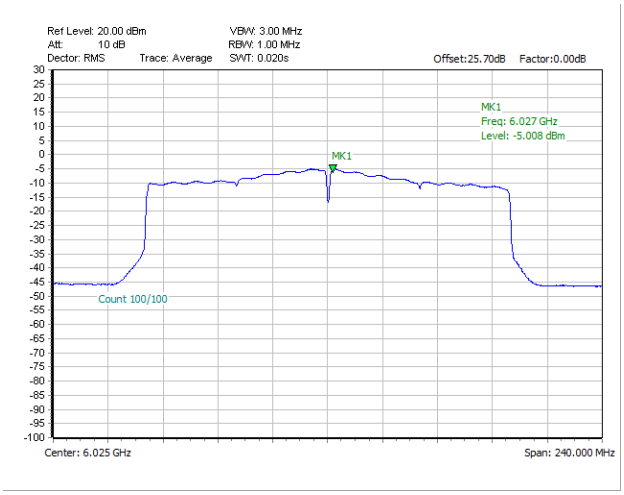
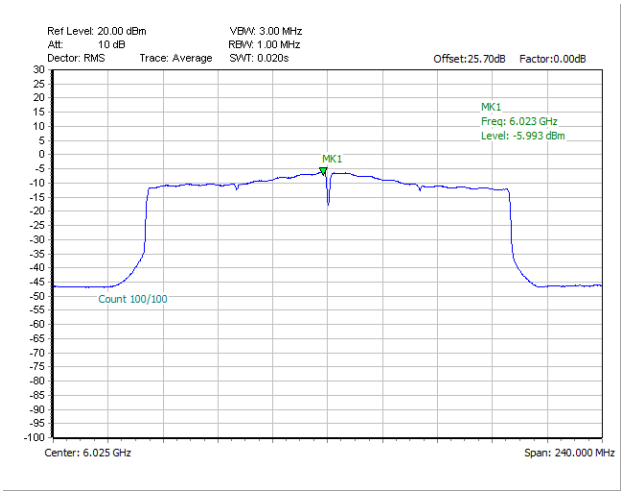
Power Density Plot Trace 1 (Ant 5)	Power Density Plot Trace 2 (Ant 4)
	

<802.11ax HE160>

Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

Power Density Plot Trace 1 (Ant 5)	Power Density Plot Trace 2 (Ant 4)
	

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.

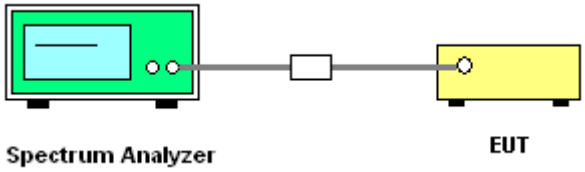
3.4.3 Test Procedures

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 ≥ 3 X RBW
   d) Number of points in sweep ≥ [2 X span / 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



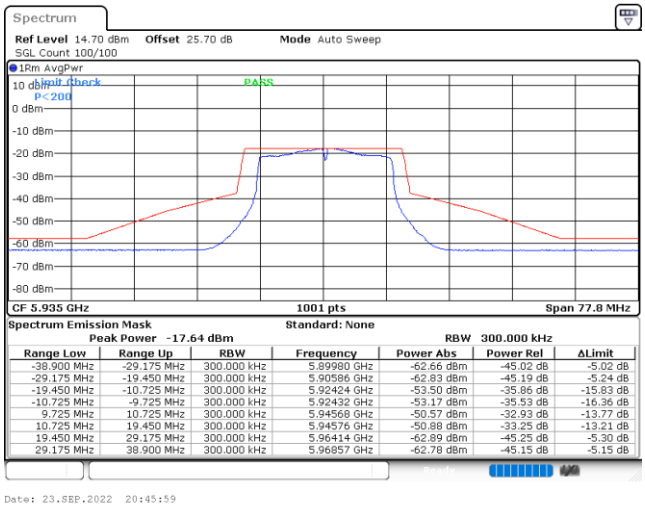
3.4.5 Test Result

<Indoor Client>

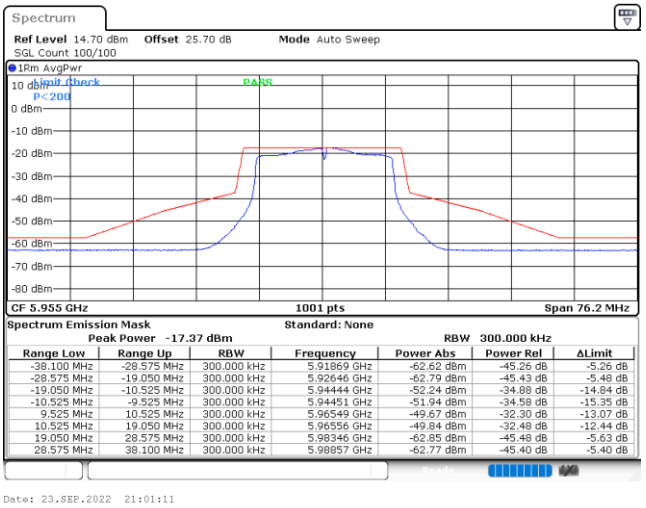
MIMO <Ant. 5+4(5)>

EUT Mode :	802.11a

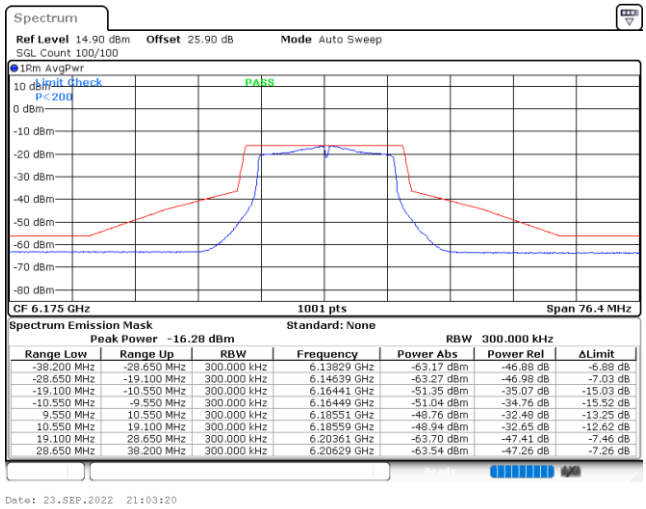
Plot on Channel 5935MHz



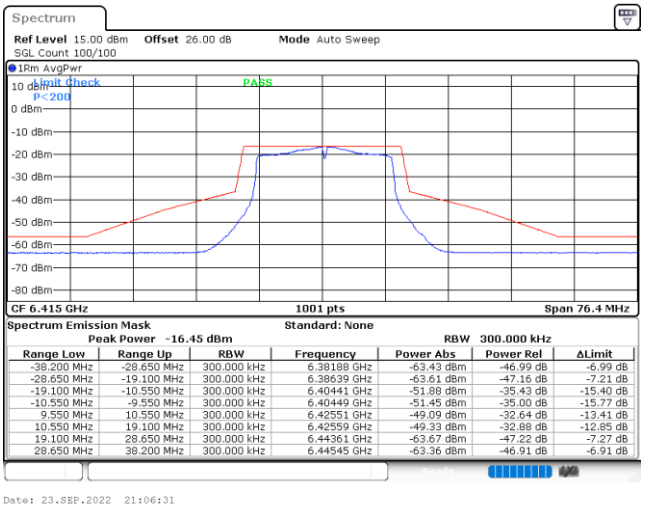
Plot on Channel 5955MHz



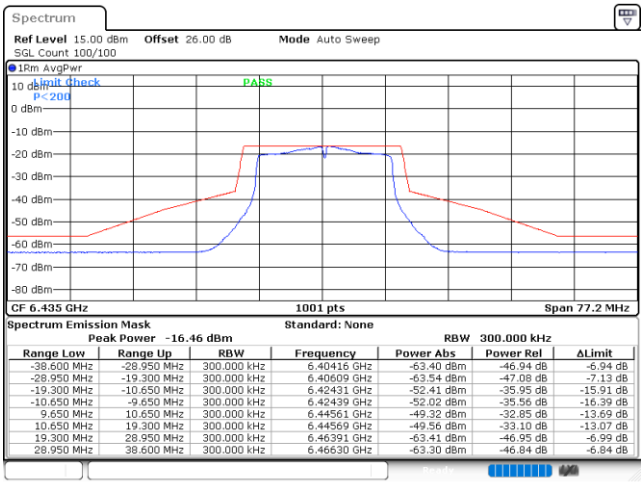
Plot on Channel 6175MHz



Plot on Channel 6415MHz



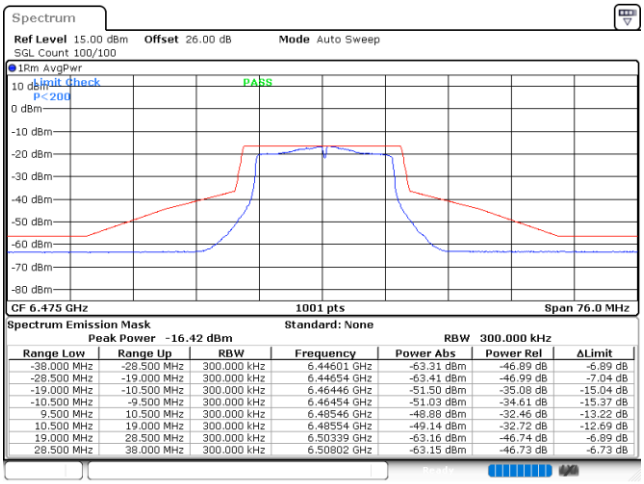
Plot on Channel 6435MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-38.600 MHz	-28.950 MHz	300.000 kHz	6.40416 GHz	-63.40 dBm	-46.94 dB	-6.94 dB
-28.950 MHz	-19.300 MHz	300.000 kHz	6.40609 GHz	-63.54 dBm	-47.08 dB	-7.13 dB
-19.300 MHz	-10.650 MHz	300.000 kHz	6.42431 GHz	-52.41 dBm	-35.95 dB	-15.91 dB
-10.650 MHz	-9.650 MHz	300.000 kHz	6.42439 GHz	-52.02 dBm	-35.56 dB	-16.39 dB
9.650 MHz	10.650 MHz	300.000 kHz	6.44561 GHz	-49.32 dBm	-32.85 dB	-13.69 dB
10.650 MHz	19.300 MHz	300.000 kHz	6.44569 GHz	-49.56 dBm	-33.10 dB	-13.07 dB
19.300 MHz	28.950 MHz	300.000 kHz	6.46391 GHz	-63.41 dBm	-46.95 dB	-6.99 dB
28.950 MHz	38.600 MHz	300.000 kHz	6.46630 GHz	-63.30 dBm	-46.84 dB	-6.84 dB

Date: 23.SEP.2022 21:15:21

Plot on Channel 6475MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-38.000 MHz	-28.500 MHz	300.000 kHz	6.44601 GHz	-63.31 dBm	-46.89 dB	-6.89 dB
-28.500 MHz	-19.000 MHz	300.000 kHz	6.44654 GHz	-63.41 dBm	-46.99 dB	-7.04 dB
-19.000 MHz	-10.500 MHz	300.000 kHz	6.46446 GHz	-51.50 dBm	-35.08 dB	-15.04 dB
-10.500 MHz	-9.500 MHz	300.000 kHz	6.46454 GHz	-51.03 dBm	-34.61 dB	-15.37 dB
9.500 MHz	10.500 MHz	300.000 kHz	6.48546 GHz	-48.88 dBm	-32.46 dB	-13.22 dB
10.500 MHz	19.000 MHz	300.000 kHz	6.48554 GHz	-49.14 dBm	-32.72 dB	-12.69 dB
19.000 MHz	28.500 MHz	300.000 kHz	6.50339 GHz	-63.16 dBm	-46.74 dB	-6.89 dB
28.500 MHz	38.000 MHz	300.000 kHz	6.50802 GHz	-63.15 dBm	-46.73 dB	-6.73 dB

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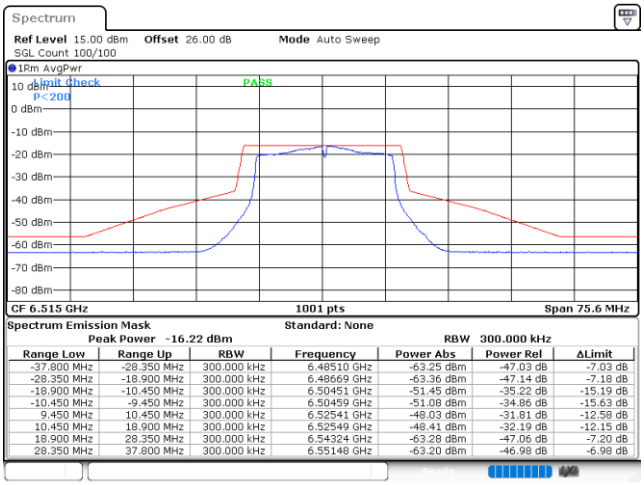
Plot on Channel 6515MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-37.800 MHz	-28.350 MHz	300.000 kHz	6.48510 GHz	-63.25 dBm	-47.03 dB	-7.03 dB
-28.350 MHz	-18.900 MHz	300.000 kHz	6.48669 GHz	-63.36 dBm	-47.14 dB	-7.18 dB
-18.900 MHz	-10.450 MHz	300.000 kHz	6.50451 GHz	-51.45 dBm	-35.22 dB	-15.19 dB
-10.450 MHz	-9.450 MHz	300.000 kHz	6.50459 GHz	-51.08 dBm	-34.86 dB	-15.63 dB
9.450 MHz	10.450 MHz	300.000 kHz	6.52541 GHz	-48.03 dBm	-31.81 dB	-12.58 dB
10.450 MHz	18.900 MHz	300.000 kHz	6.52549 GHz	-48.41 dBm	-32.19 dB	-12.15 dB
18.900 MHz	28.350 MHz	300.000 kHz	6.54324 GHz	-63.28 dBm	-47.06 dB	-7.20 dB
28.350 MHz	37.800 MHz	300.000 kHz	6.55148 GHz	-63.20 dBm	-46.98 dB	-6.98 dB

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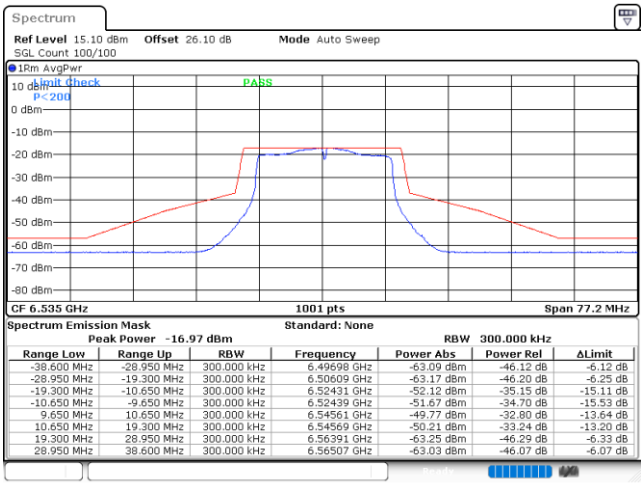
Plot on Channel 6535MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-38.600 MHz	-28.950 MHz	300.000 kHz	6.49698 GHz	-63.09 dBm	-46.12 dB	-6.12 dB
-28.950 MHz	-19.300 MHz	300.000 kHz	6.50609 GHz	-63.17 dBm	-46.20 dB	-6.25 dB
-19.300 MHz	-10.650 MHz	300.000 kHz	6.52431 GHz	-52.12 dBm	-35.15 dB	-15.11 dB
-10.650 MHz	-9.650 MHz	300.000 kHz	6.52439 GHz	-51.67 dBm	-34.70 dB	-15.53 dB
9.650 MHz	10.650 MHz	300.000 kHz	6.54561 GHz	-49.77 dBm	-32.80 dB	-13.64 dB
10.650 MHz	19.300 MHz	300.000 kHz	6.54569 GHz	-50.21 dBm	-33.24 dB	-13.20 dB
19.300 MHz	28.950 MHz	300.000 kHz	6.56391 GHz	-63.25 dBm	-46.29 dB	-6.33 dB
28.950 MHz	38.600 MHz	300.000 kHz	6.56507 GHz	-63.03 dBm	-46.07 dB	-6.07 dB

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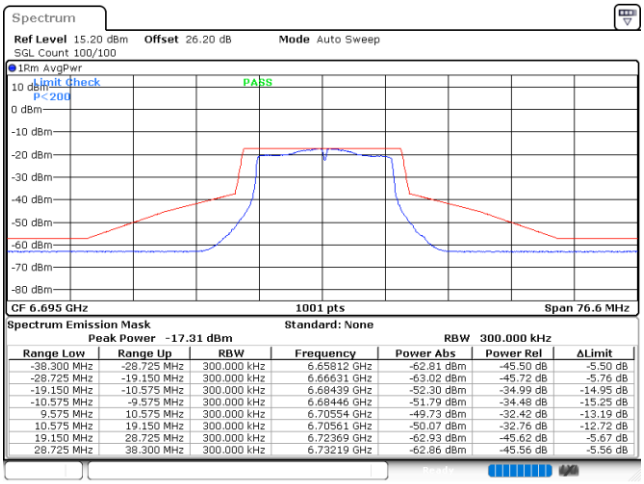
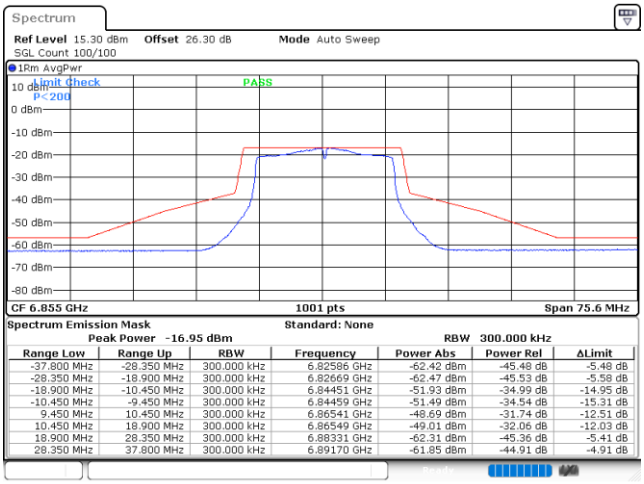
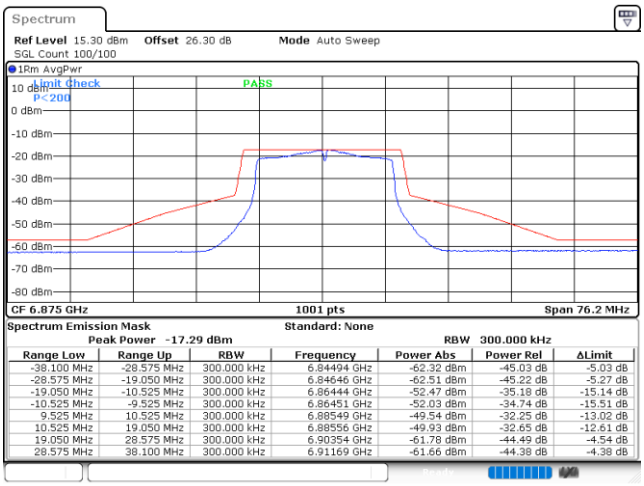
Plot on Channel 6695MHz



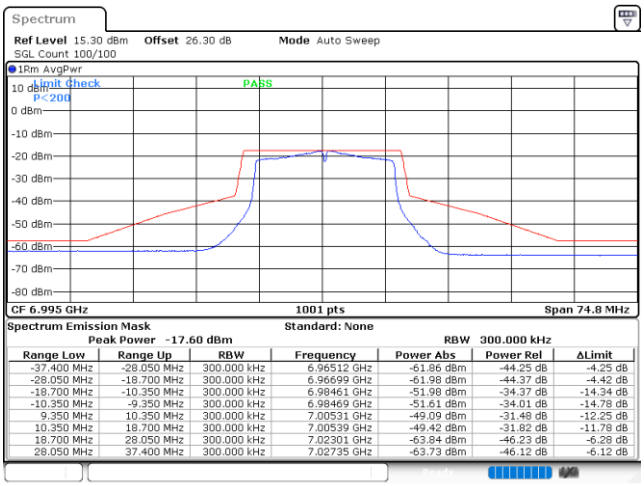
Plot on Channel 6855MHz



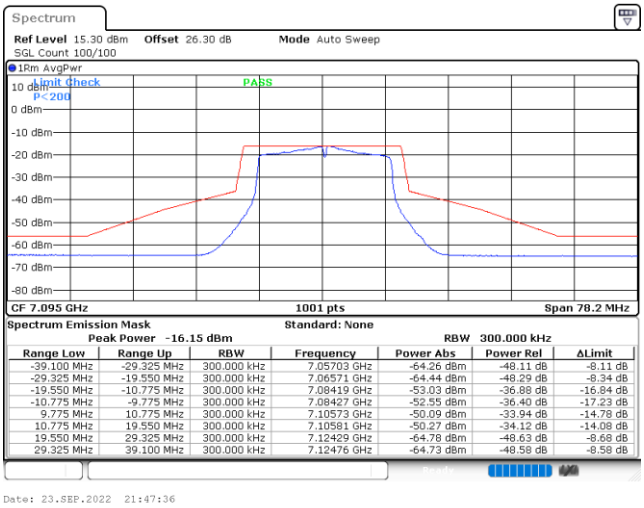
Plot on Channel 6875MHz



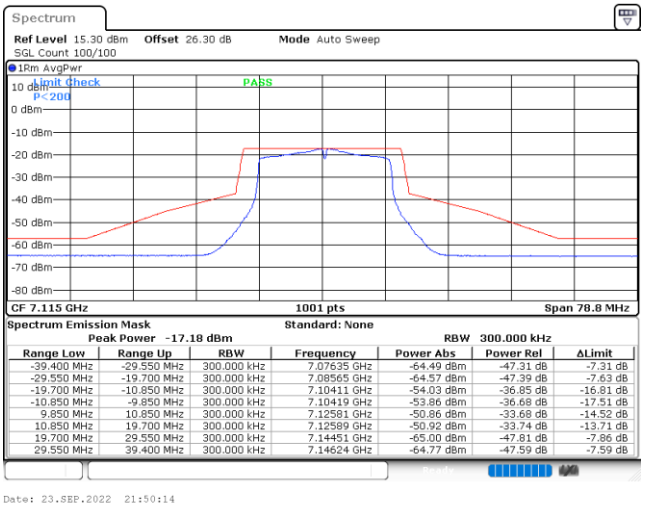
Plot on Channel 6995MHz



Plot on Channel 7095MHz

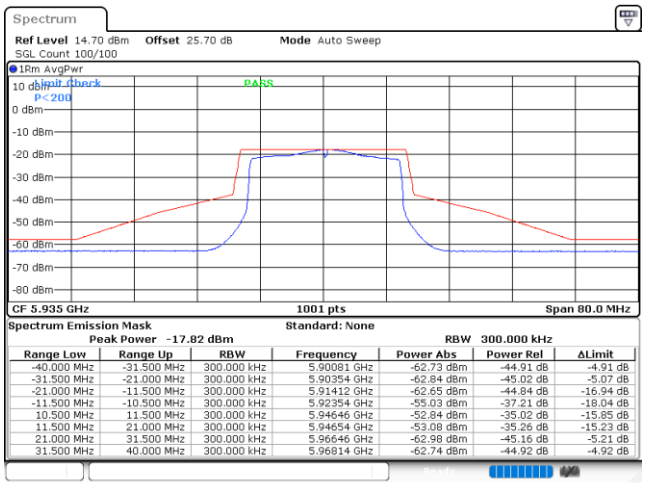


Plot on Channel 7115MHz



EUT Mode :	802.11ax HE20 Full RU

Plot on Channel 5935MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-31.500 MHz	300.000 kHz	5.90081 GHz	-62.73 dBm	-44.91 dB	-4.91 dB
-31.500 MHz	-21.000 MHz	300.000 kHz	5.90354 GHz	-62.84 dBm	-45.02 dB	-5.07 dB
-21.000 MHz	-11.500 MHz	300.000 kHz	5.91412 GHz	-62.65 dBm	-44.84 dB	-16.94 dB
-11.500 MHz	-10.500 MHz	300.000 kHz	5.92354 GHz	-55.03 dBm	-37.21 dB	-18.04 dB
10.500 MHz	11.500 MHz	300.000 kHz	5.94646 GHz	-52.84 dBm	-35.02 dB	-15.85 dB
11.500 MHz	21.000 MHz	300.000 kHz	5.94654 GHz	-53.08 dBm	-35.26 dB	-15.23 dB
21.000 MHz	31.500 MHz	300.000 kHz	5.96646 GHz	-62.98 dBm	-45.16 dB	-5.21 dB
31.500 MHz	40.000 MHz	300.000 kHz	5.96814 GHz	-62.74 dBm	-44.92 dB	-4.92 dB

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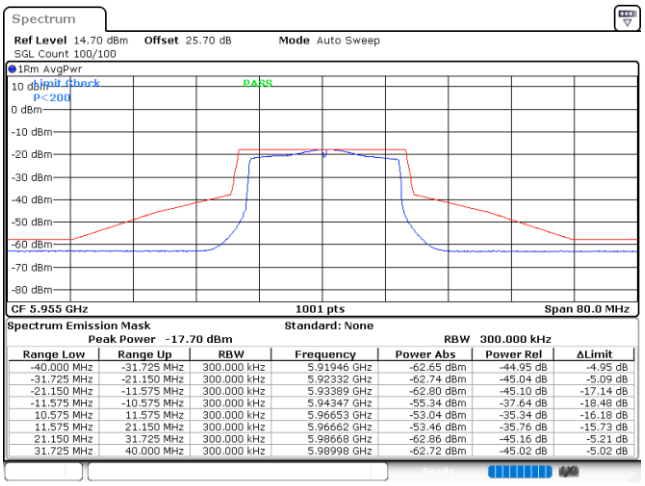
Plot on Channel 5955MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-31.725 MHz	300.000 kHz	5.91946 GHz	-62.65 dBm	-44.95 dB	-4.95 dB
-31.725 MHz	-21.150 MHz	300.000 kHz	5.92332 GHz	-62.74 dBm	-45.04 dB	-5.09 dB
-21.150 MHz	-11.575 MHz	300.000 kHz	5.93389 GHz	-62.80 dBm	-45.10 dB	-17.14 dB
-11.575 MHz	-10.575 MHz	300.000 kHz	5.94347 GHz	-55.34 dBm	-37.64 dB	-18.48 dB
10.575 MHz	11.575 MHz	300.000 kHz	5.96653 GHz	-53.04 dBm	-35.34 dB	-16.18 dB
11.575 MHz	21.150 MHz	300.000 kHz	5.96662 GHz	-53.46 dBm	-35.76 dB	-15.73 dB
21.150 MHz	31.725 MHz	300.000 kHz	5.98668 GHz	-62.86 dBm	-45.16 dB	-5.21 dB
31.725 MHz	40.000 MHz	300.000 kHz	5.98998 GHz	-62.72 dBm	-45.02 dB	-5.02 dB

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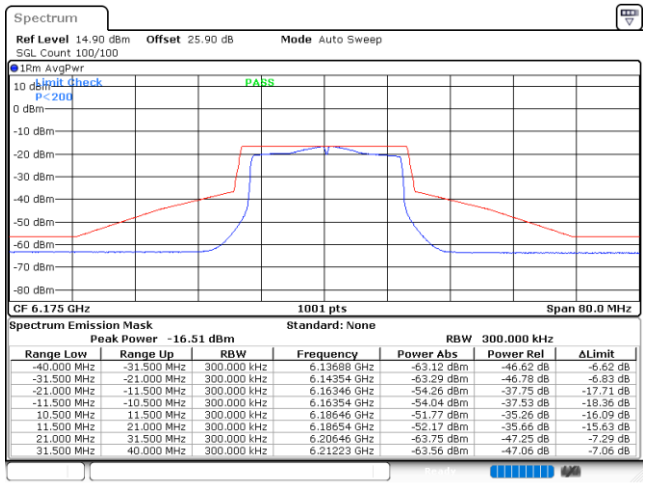
Plot on Channel 6175MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-31.500 MHz	300.000 kHz	6.13688 GHz	-63.12 dBm	-46.62 dB	-6.62 dB
-31.500 MHz	-21.000 MHz	300.000 kHz	6.14354 GHz	-63.29 dBm	-46.78 dB	-6.83 dB
-21.000 MHz	-11.500 MHz	300.000 kHz	6.16346 GHz	-54.26 dBm	-37.75 dB	-17.71 dB
-11.500 MHz	-10.500 MHz	300.000 kHz	6.16354 GHz	-54.04 dBm	-37.53 dB	-18.36 dB
10.500 MHz	11.500 MHz	300.000 kHz	6.18646 GHz	-51.77 dBm	-35.26 dB	-16.09 dB
11.500 MHz	21.000 MHz	300.000 kHz	6.18654 GHz	-52.17 dBm	-35.66 dB	-15.63 dB
21.000 MHz	31.500 MHz	300.000 kHz	6.20646 GHz	-63.75 dBm	-47.25 dB	-7.29 dB
31.500 MHz	40.000 MHz	300.000 kHz	6.21223 GHz	-63.56 dBm	-47.06 dB	-7.06 dB

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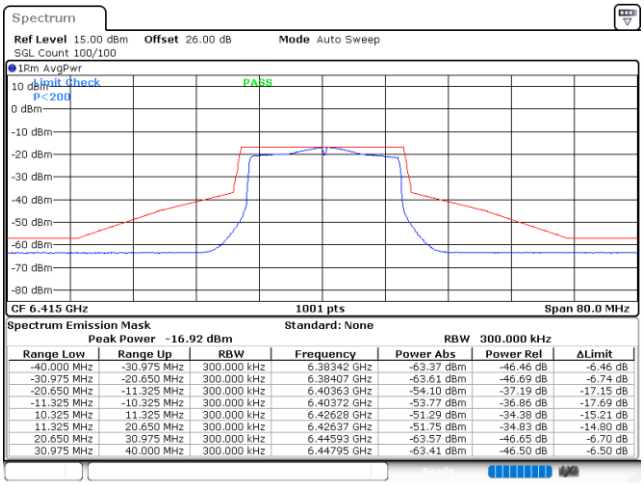
Plot on Channel 6415MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.975 MHz	300.000 kHz	6.38342 GHz	-63.37 dBm	-46.46 dB	-6.46 dB
-30.975 MHz	-20.650 MHz	300.000 kHz	6.38407 GHz	-63.61 dBm	-46.69 dB	-6.74 dB
-20.650 MHz	-11.325 MHz	300.000 kHz	6.40363 GHz	-54.10 dBm	-37.19 dB	-17.15 dB
-11.325 MHz	-10.325 MHz	300.000 kHz	6.40372 GHz	-53.77 dBm	-36.86 dB	-17.69 dB
10.325 MHz	11.325 MHz	300.000 kHz	6.42628 GHz	-51.29 dBm	-34.38 dB	-15.21 dB
11.325 MHz	20.650 MHz	300.000 kHz	6.42637 GHz	-51.75 dBm	-34.83 dB	-14.80 dB
20.650 MHz	30.975 MHz	300.000 kHz	6.44593 GHz	-63.57 dBm	-46.65 dB	-6.70 dB
30.975 MHz	40.000 MHz	300.000 kHz	6.44795 GHz	-63.41 dBm	-46.50 dB	-6.50 dB

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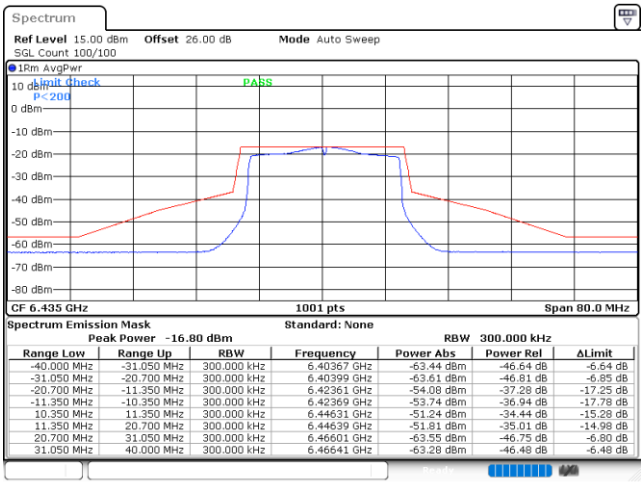
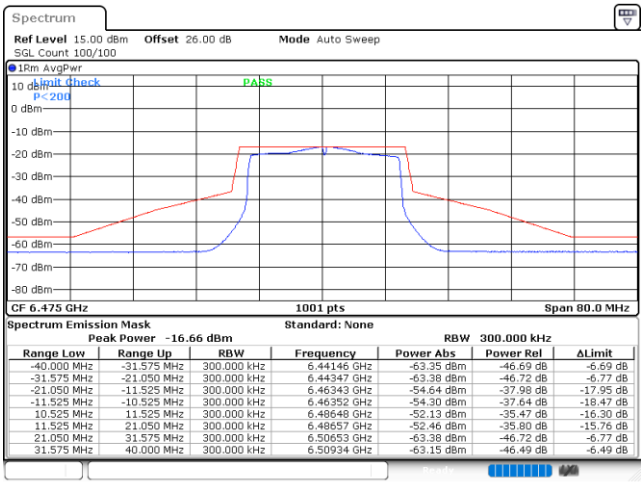
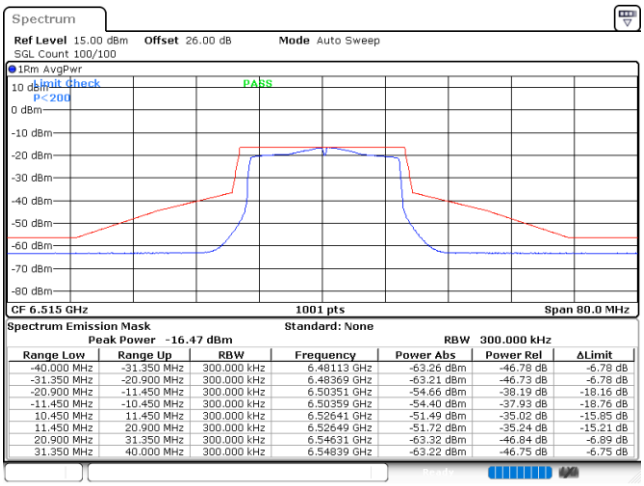
Plot on Channel 6435MHz



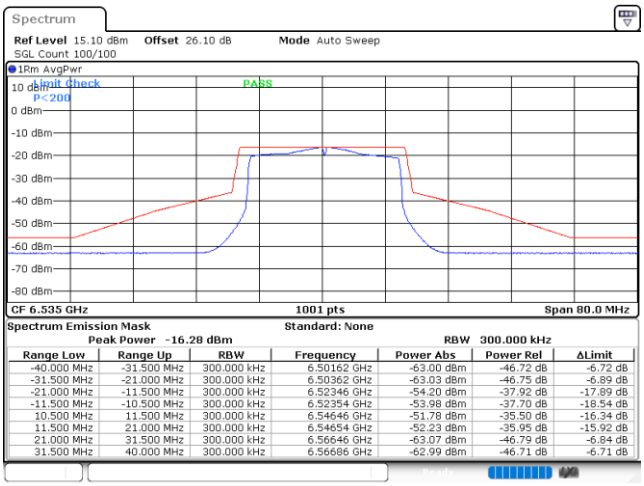
Plot on Channel 6475MHz



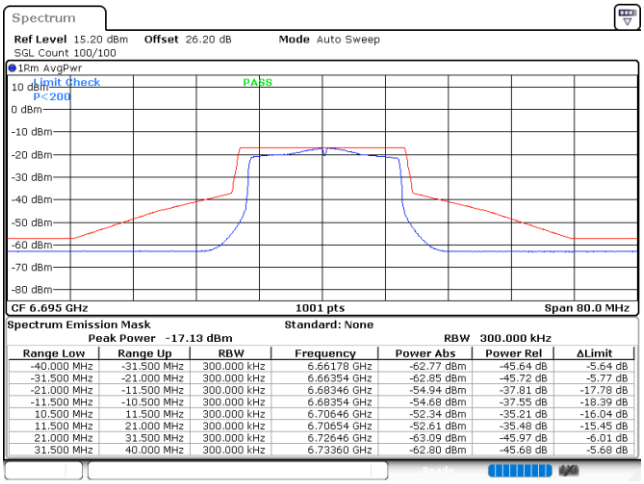
Plot on Channel 6515MHz



Plot on Channel 6535MHz



Plot on Channel 6695MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-31.500 MHz	300.000 kHz	6.66178 GHz	-62.77 dBm	-45.64 dB	-5.64 dB
-31.500 MHz	-21.000 MHz	300.000 kHz	6.66354 GHz	-62.85 dBm	-45.72 dB	-5.77 dB
-21.000 MHz	-11.500 MHz	300.000 kHz	6.68346 GHz	-54.94 dBm	-37.81 dB	-17.78 dB
-11.500 MHz	-10.500 MHz	300.000 kHz	6.68354 GHz	-54.68 dBm	-37.55 dB	-18.39 dB
10.500 MHz	11.500 MHz	300.000 kHz	6.70646 GHz	-52.34 dBm	-35.21 dB	-16.04 dB
11.500 MHz	21.000 MHz	300.000 kHz	6.70654 GHz	-52.61 dBm	-35.48 dB	-15.45 dB
21.000 MHz	31.500 MHz	300.000 kHz	6.72646 GHz	-63.09 dBm	-45.97 dB	-6.01 dB
31.500 MHz	40.000 MHz	300.000 kHz	6.73360 GHz	-62.80 dBm	-45.68 dB	-5.68 dB

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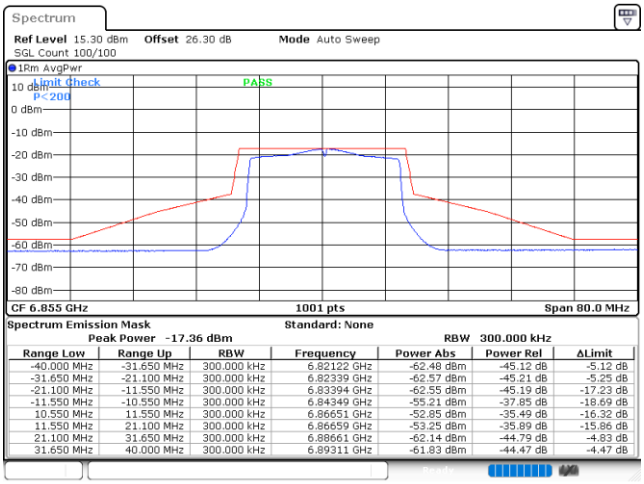
Plot on Channel 6855MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-31.650 MHz	300.000 kHz	6.82122 GHz	-62.48 dBm	-45.12 dB	-5.12 dB
-31.650 MHz	-21.100 MHz	300.000 kHz	6.82339 GHz	-62.57 dBm	-45.21 dB	-5.25 dB
-21.100 MHz	-11.550 MHz	300.000 kHz	6.83394 GHz	-62.55 dBm	-45.19 dB	-17.23 dB
-11.550 MHz	-10.550 MHz	300.000 kHz	6.84349 GHz	-55.21 dBm	-37.85 dB	-18.69 dB
10.550 MHz	11.550 MHz	300.000 kHz	6.86651 GHz	-52.85 dBm	-35.49 dB	-16.32 dB
11.550 MHz	21.100 MHz	300.000 kHz	6.86659 GHz	-53.25 dBm	-35.89 dB	-15.86 dB
21.100 MHz	31.650 MHz	300.000 kHz	6.88661 GHz	-62.14 dBm	-44.79 dB	-4.83 dB
31.650 MHz	40.000 MHz	300.000 kHz	6.89311 GHz	-61.83 dBm	-44.47 dB	-4.47 dB

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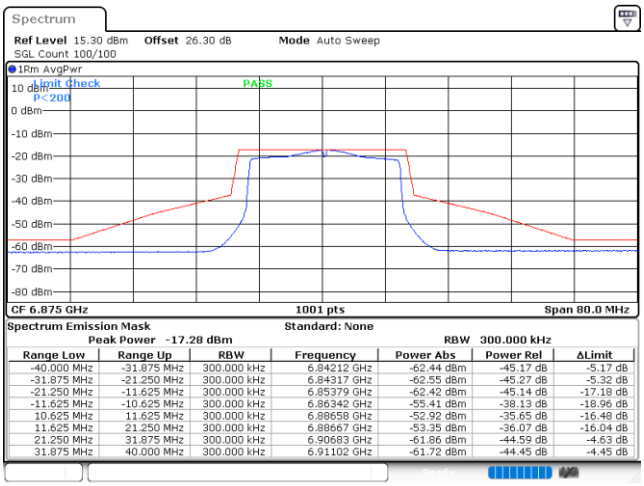
Plot on Channel 6875MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-31.875 MHz	300.000 kHz	6.84212 GHz	-62.44 dBm	-45.17 dB	-5.17 dB
-31.875 MHz	-21.250 MHz	300.000 kHz	6.84317 GHz	-62.55 dBm	-45.27 dB	-5.32 dB
-21.250 MHz	-11.625 MHz	300.000 kHz	6.85379 GHz	-62.42 dBm	-45.14 dB	-17.18 dB
-11.625 MHz	-10.625 MHz	300.000 kHz	6.86342 GHz	-55.41 dBm	-38.13 dB	-18.96 dB
10.625 MHz	11.625 MHz	300.000 kHz	6.88658 GHz	-52.92 dBm	-35.65 dB	-16.48 dB
11.625 MHz	21.250 MHz	300.000 kHz	6.88667 GHz	-53.35 dBm	-36.07 dB	-16.04 dB
21.250 MHz	31.875 MHz	300.000 kHz	6.90683 GHz	-61.86 dBm	-44.59 dB	-4.63 dB
31.875 MHz	40.000 MHz	300.000 kHz	6.91102 GHz	-61.72 dBm	-44.45 dB	-4.45 dB

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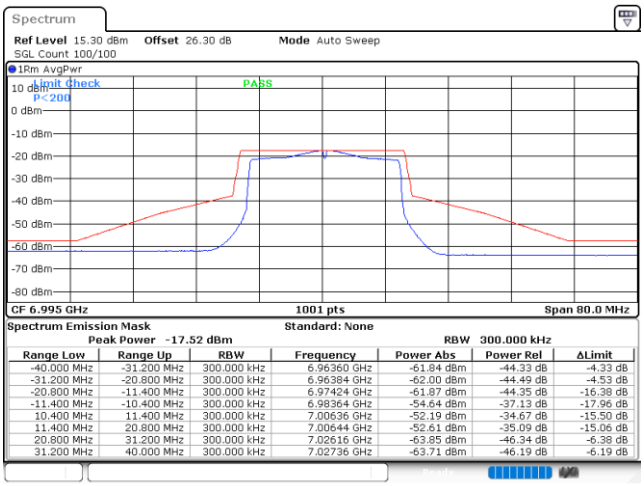
Plot on Channel 6995MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-31.200 MHz	300.000 kHz	6.96360 GHz	-61.84 dBm	-44.33 dB	-4.33 dB
-31.200 MHz	-20.800 MHz	300.000 kHz	6.96384 GHz	-62.00 dBm	-44.49 dB	-4.53 dB
-20.800 MHz	-11.400 MHz	300.000 kHz	6.97424 GHz	-61.87 dBm	-44.35 dB	-16.38 dB
-11.400 MHz	-10.400 MHz	300.000 kHz	6.98364 GHz	-54.64 dBm	-37.13 dB	-17.96 dB
10.400 MHz	11.400 MHz	300.000 kHz	7.00636 GHz	-52.19 dBm	-34.67 dB	-15.50 dB
11.400 MHz	20.800 MHz	300.000 kHz	7.00644 GHz	-52.61 dBm	-35.09 dB	-15.06 dB
20.800 MHz	31.200 MHz	300.000 kHz	7.02616 GHz	-63.85 dBm	-46.34 dB	-6.38 dB
31.200 MHz	40.000 MHz	300.000 kHz	7.02736 GHz	-63.71 dBm	-46.19 dB	-6.19 dB

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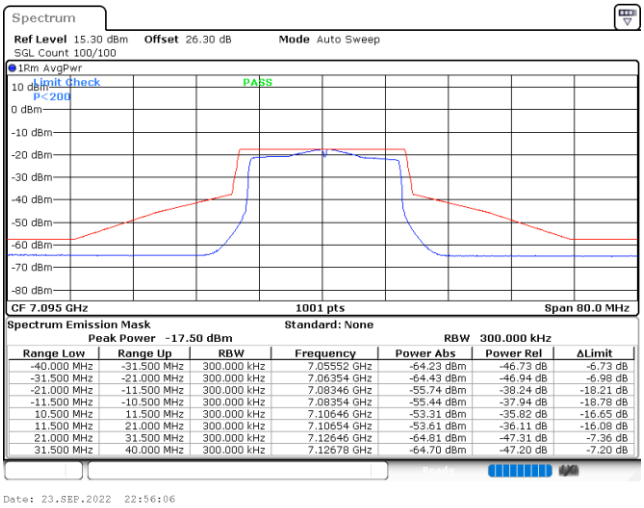
Plot on Channel 7095MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-31.500 MHz	300.000 kHz	7.05552 GHz	-64.23 dBm	-46.73 dB	-6.73 dB
-31.500 MHz	-21.000 MHz	300.000 kHz	7.06354 GHz	-64.43 dBm	-46.94 dB	-6.98 dB
-21.000 MHz	-11.500 MHz	300.000 kHz	7.08346 GHz	-55.74 dBm	-38.24 dB	-18.21 dB
-11.500 MHz	-10.500 MHz	300.000 kHz	7.08354 GHz	-55.44 dBm	-37.94 dB	-18.78 dB
10.500 MHz	11.500 MHz	300.000 kHz	7.10646 GHz	-53.31 dBm	-35.82 dB	-16.65 dB
11.500 MHz	21.000 MHz	300.000 kHz	7.10654 GHz	-53.61 dBm	-36.11 dB	-16.08 dB
21.000 MHz	31.500 MHz	300.000 kHz	7.12646 GHz	-64.81 dBm	-47.31 dB	-7.36 dB
31.500 MHz	40.000 MHz	300.000 kHz	7.12678 GHz	-64.70 dBm	-47.20 dB	-7.20 dB

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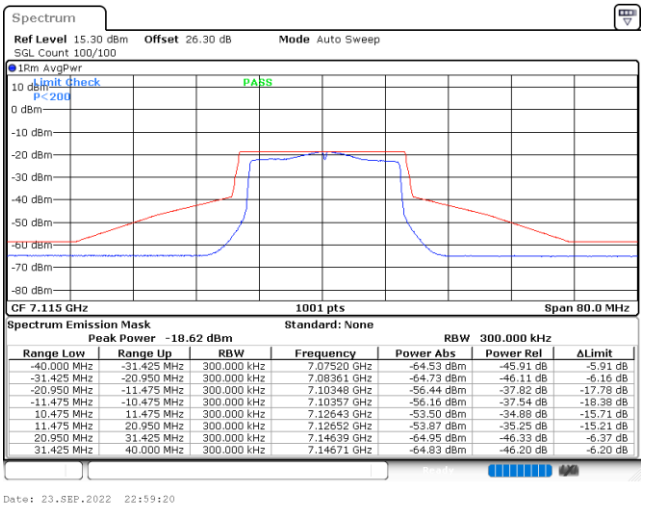
Plot on Channel 7115MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-31.425 MHz	300.000 kHz	7.07520 GHz	-64.53 dBm	-45.91 dB	-5.91 dB
-31.425 MHz	-20.950 MHz	300.000 kHz	7.08361 GHz	-64.73 dBm	-46.11 dB	-6.16 dB
-20.950 MHz	-11.475 MHz	300.000 kHz	7.10348 GHz	-56.44 dBm	-37.82 dB	-17.78 dB
-11.475 MHz	-10.475 MHz	300.000 kHz	7.10357 GHz	-56.16 dBm	-37.54 dB	-18.38 dB
10.475 MHz	11.475 MHz	300.000 kHz	7.12643 GHz	-53.50 dBm	-34.88 dB	-15.71 dB
11.475 MHz	20.950 MHz	300.000 kHz	7.12652 GHz	-53.87 dBm	-35.25 dB	-15.21 dB
20.950 MHz	31.425 MHz	300.000 kHz	7.14639 GHz	-64.95 dBm	-46.33 dB	-6.37 dB
31.425 MHz	40.000 MHz	300.000 kHz	7.14671 GHz	-64.83 dBm	-46.20 dB	-6.20 dB

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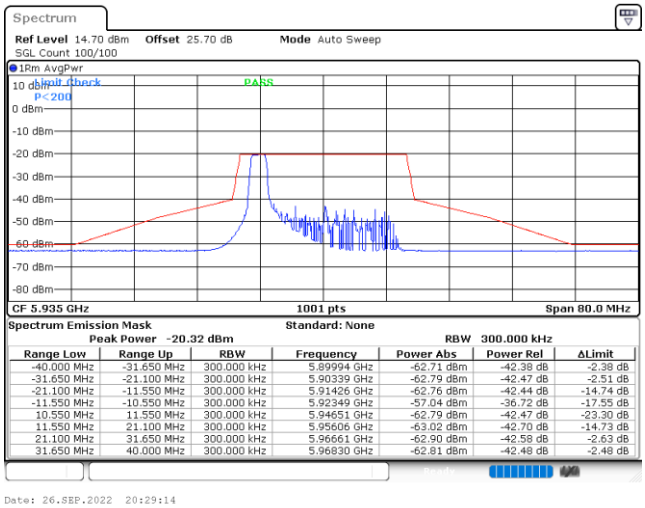
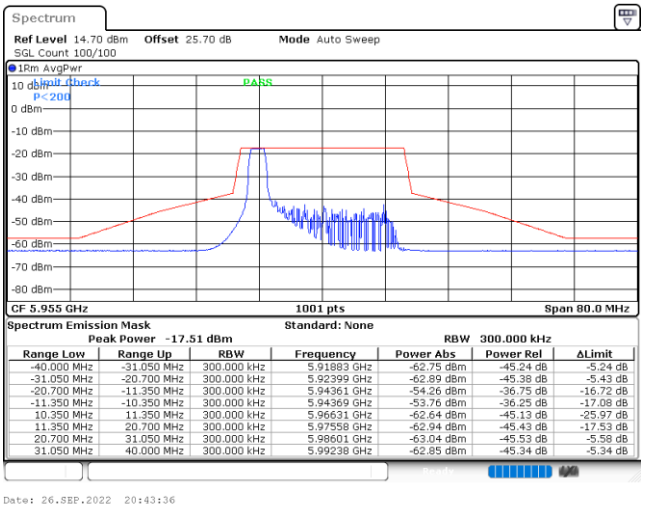
EUT Mode :	802.11ax HE20 26RU

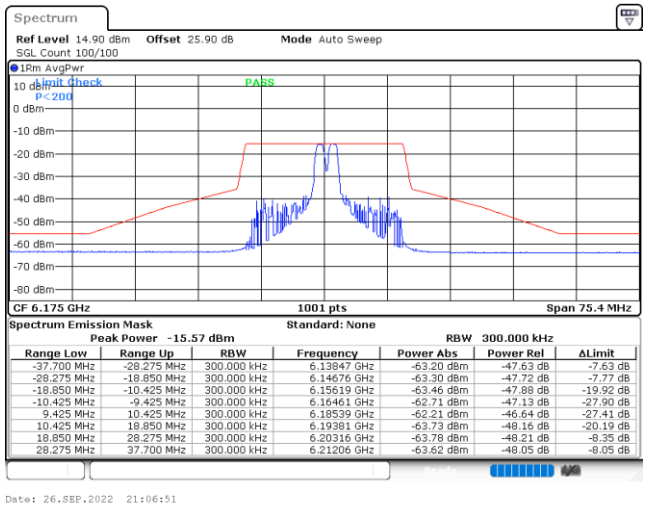
Plot on Channel 5935MHz



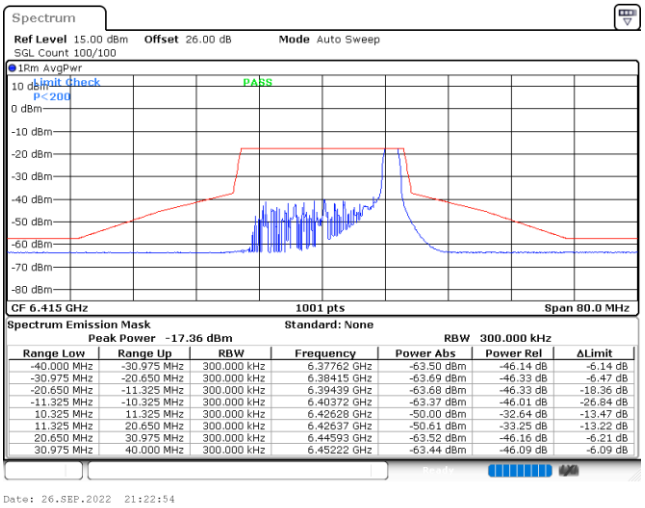
Plot on Channel 5955MHz



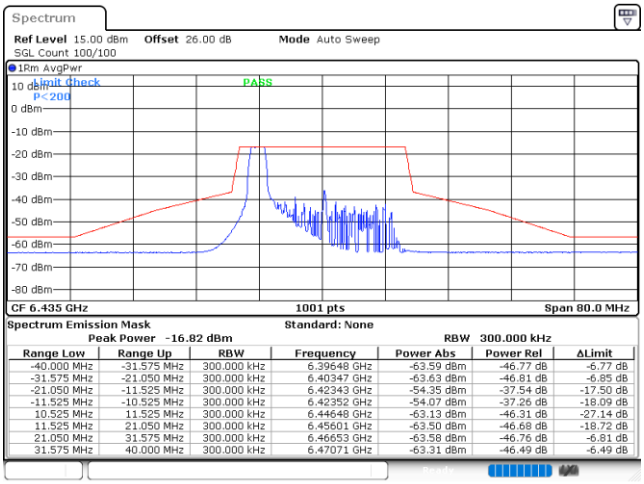
Plot on Channel 6175MHz



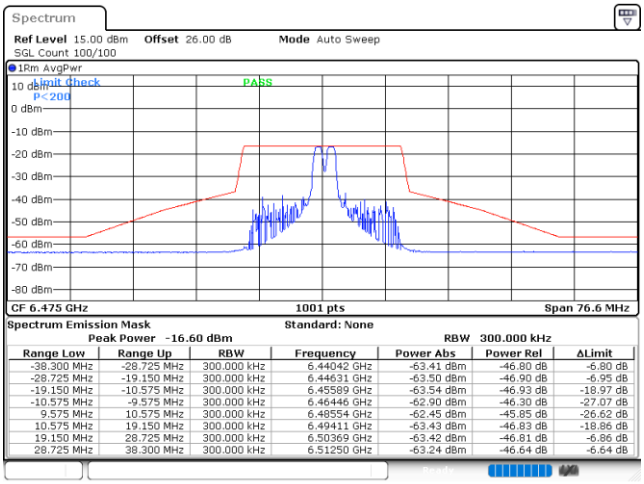
Plot on Channel 6415MHz



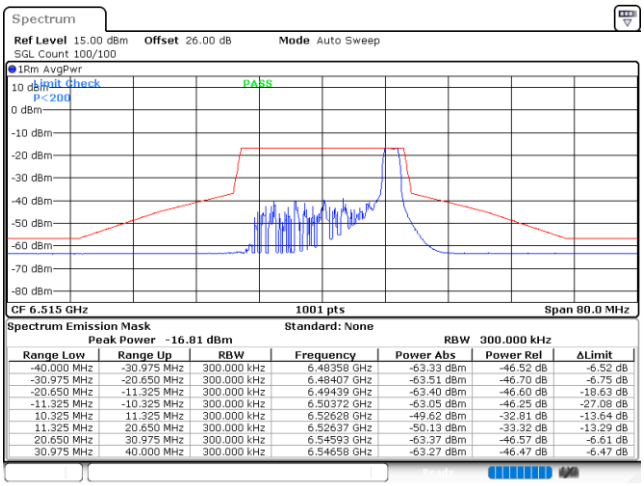
Plot on Channel 6435MHz



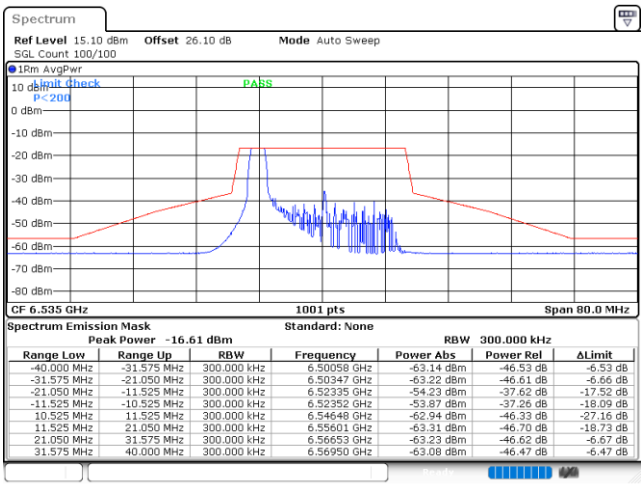
Plot on Channel 6475MHz



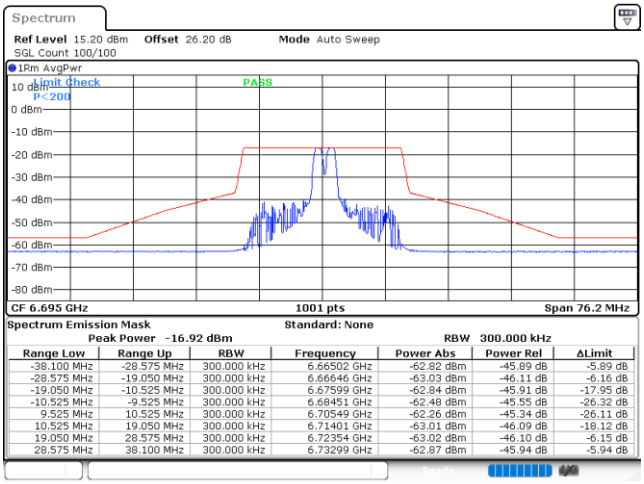
Plot on Channel 6515MHz



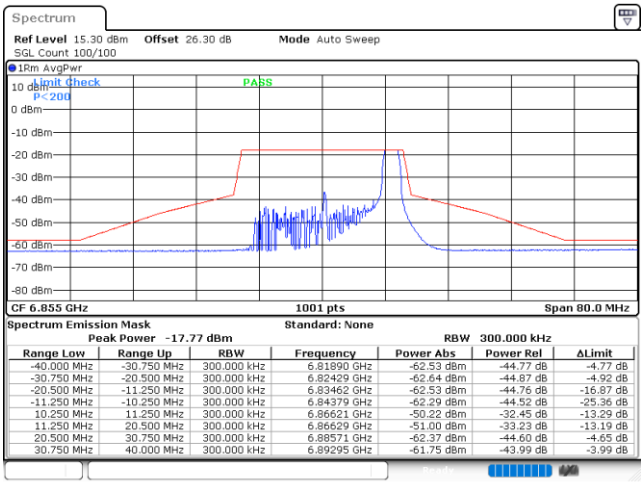
Plot on Channel 6535MHz



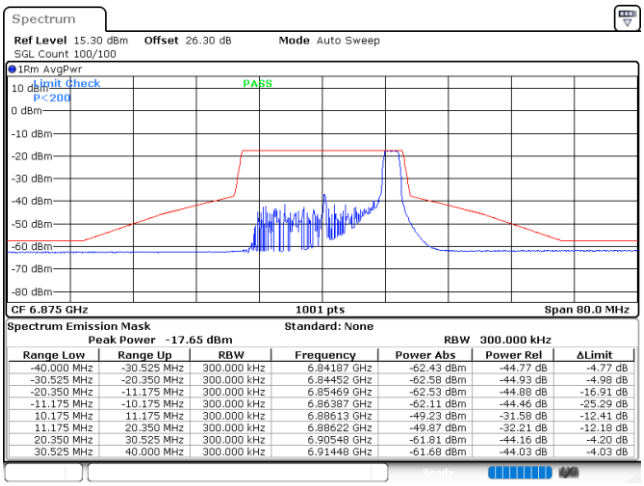
Plot on Channel 6695MHz



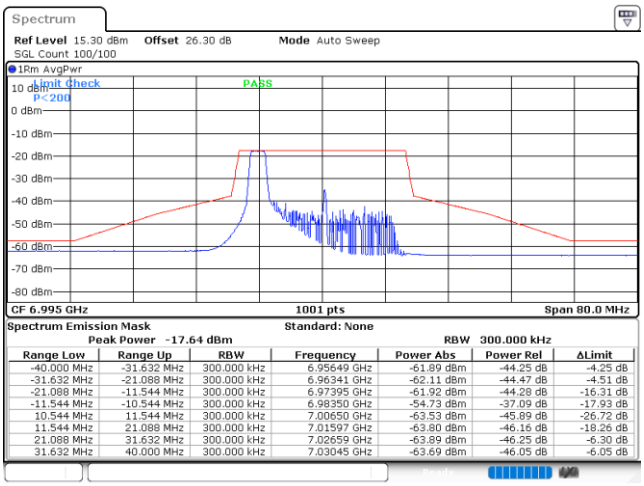
Plot on Channel 6855MHz



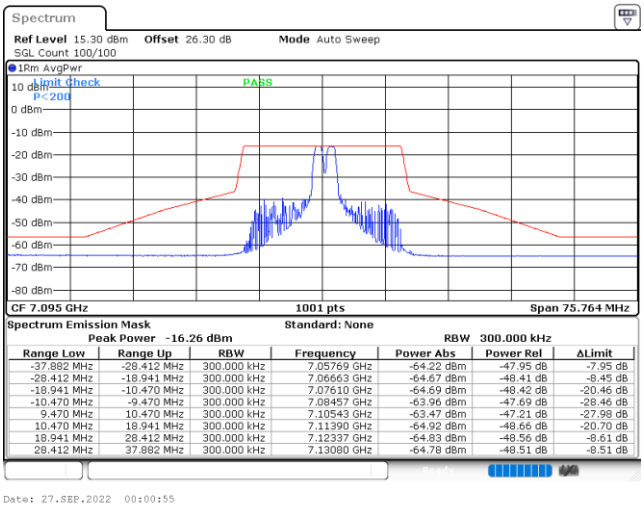
Plot on Channel 6875MHz



Plot on Channel 6995MHz



Plot on Channel 7095MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-37.882 MHz	-28.412 MHz	300.000 kHz	7.05769 GHz	-64.22 dBm	-47.95 dB	-7.95 dB
-28.412 MHz	-18.941 MHz	300.000 kHz	7.06663 GHz	-64.67 dBm	-48.41 dB	-8.45 dB
-18.941 MHz	-10.470 MHz	300.000 kHz	7.07610 GHz	-64.59 dBm	-48.42 dB	-20.46 dB
-10.470 MHz	-9.470 MHz	300.000 kHz	7.08457 GHz	-63.96 dBm	-47.69 dB	-28.46 dB
9.470 MHz	10.470 MHz	300.000 kHz	7.10543 GHz	-63.47 dBm	-47.21 dB	-27.98 dB
10.470 MHz	18.941 MHz	300.000 kHz	7.11390 GHz	-64.92 dBm	-48.66 dB	-20.70 dB
18.941 MHz	28.412 MHz	300.000 kHz	7.12337 GHz	-64.83 dBm	-48.56 dB	-8.61 dB
28.412 MHz	37.882 MHz	300.000 kHz	7.13080 GHz	-64.78 dBm	-48.51 dB	-8.51 dB

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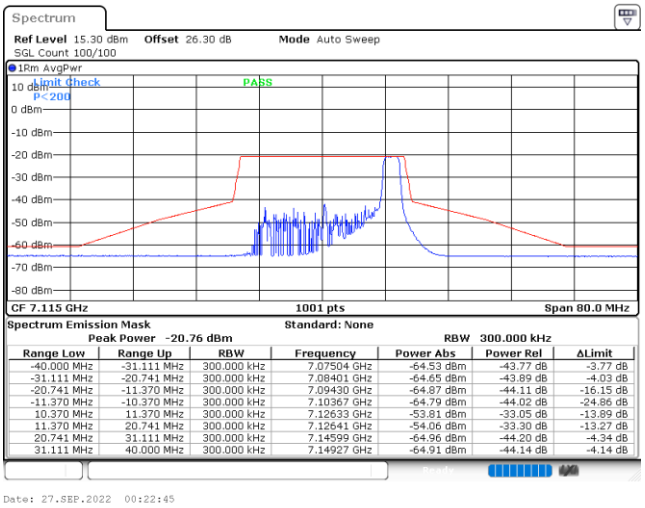
Plot on Channel 7115MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-31.111 MHz	300.000 kHz	7.07504 GHz	-64.53 dBm	-43.77 dB	-3.77 dB
-31.111 MHz	-20.741 MHz	300.000 kHz	7.08401 GHz	-64.65 dBm	-43.89 dB	-4.03 dB
-20.741 MHz	-11.370 MHz	300.000 kHz	7.09430 GHz	-64.87 dBm	-44.11 dB	-16.15 dB
-11.370 MHz	-10.370 MHz	300.000 kHz	7.10367 GHz	-64.79 dBm	-44.02 dB	-24.86 dB
10.370 MHz	11.370 MHz	300.000 kHz	7.12633 GHz	-53.81 dBm	-33.05 dB	-13.89 dB
11.370 MHz	20.741 MHz	300.000 kHz	7.12641 GHz	-54.06 dBm	-33.30 dB	-13.27 dB
20.741 MHz	31.111 MHz	300.000 kHz	7.14599 GHz	-64.96 dBm	-44.20 dB	-4.34 dB
31.111 MHz	40.000 MHz	300.000 kHz	7.14927 GHz	-64.91 dBm	-44.14 dB	-4.14 dB

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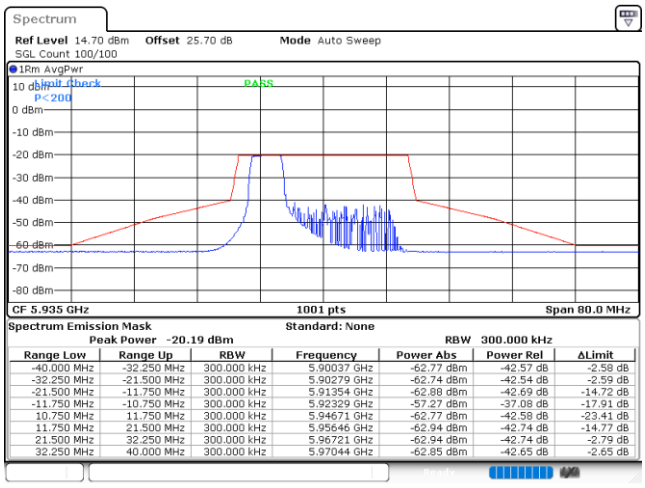
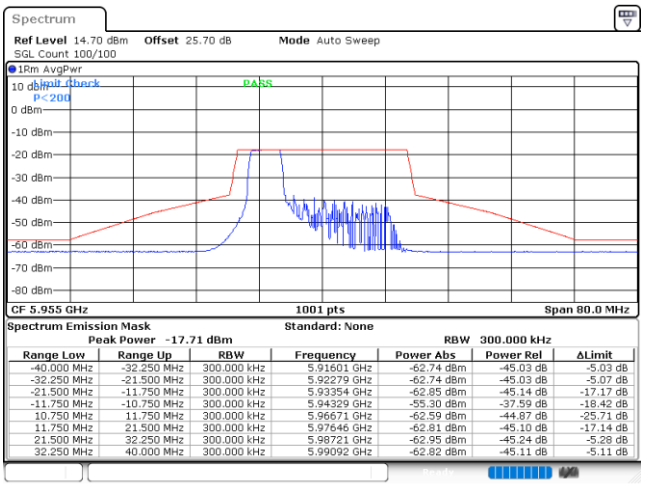
EUT Mode :	802.11ax HE20 52RU

Plot on Channel 5935MHz



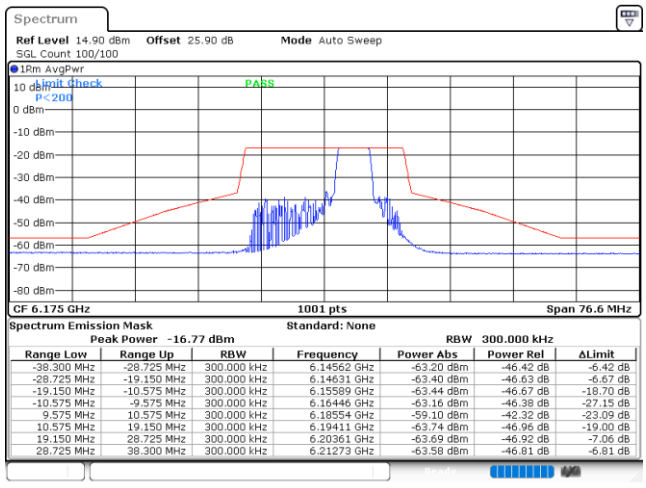
Date: 26.SEP.2022 20:32:22

Plot on Channel 5955MHz



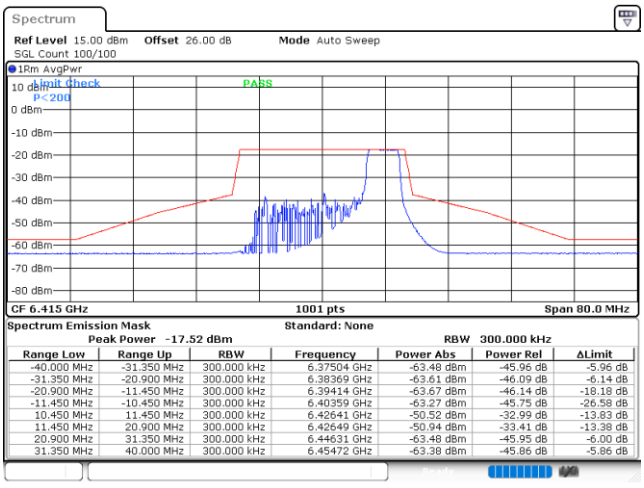
Date: 26.SEP.2022 20:47:06

Plot on Channel 6175MHz



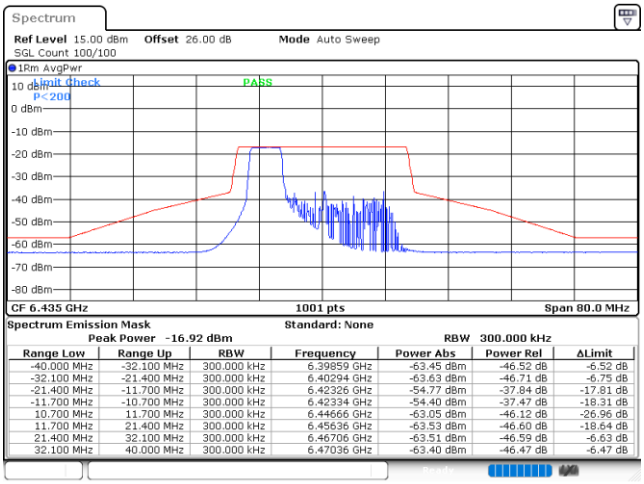
Date: 26.SEP.2022 21:11:06

Plot on Channel 6415MHz

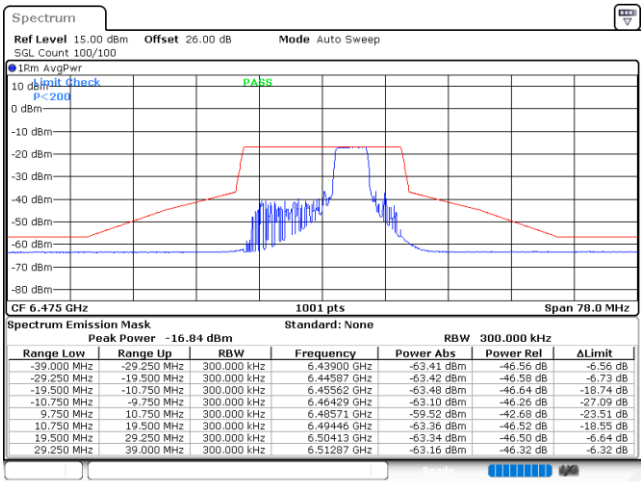


Date: 26.SEP.2022 21:26:16

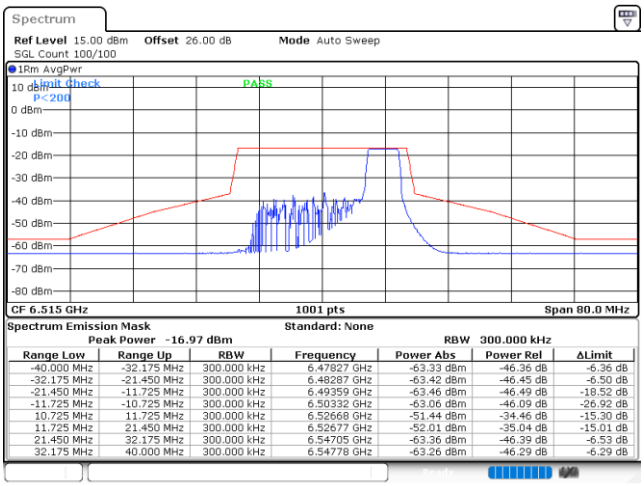
Plot on Channel 6435MHz



Plot on Channel 6475MHz



Plot on Channel 6515MHz



Plot on Channel 6535MHz