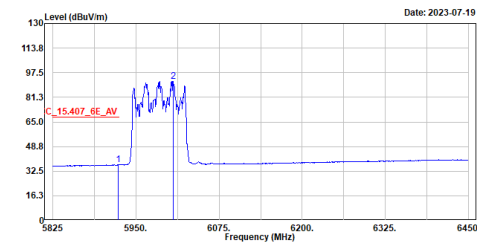


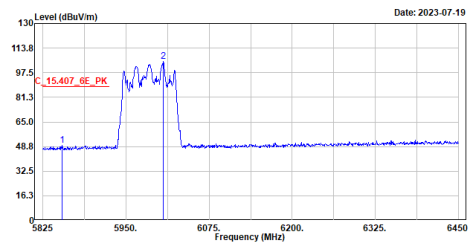
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_ax80_5985MHz
Test BY :Ashton Chiu



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	5923.750	36.87	68.22	-31.35	18.99	17.88	Average
2	6005.625	91.88	-----	-----	74.08	17.80	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

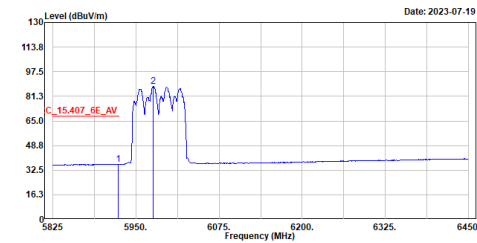
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_ax80_5985MHz
Test BY :Ashton Chiu



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	5854.375	49.56	88.22	-38.66	31.56	18.00	Peak
2	6006.250	105.10	-----	-----	87.29	17.81	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

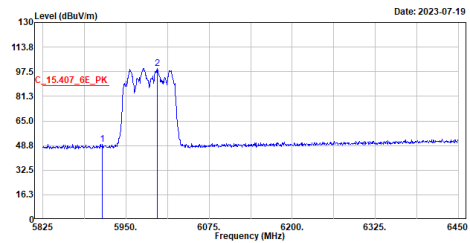
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_ax80_5985MHz
Test BY :Ashton Chiu



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	5923.750	36.45	68.22	-31.77	18.57	17.88	Average
2	5976.250	87.95	-----	-----	70.18	17.77	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

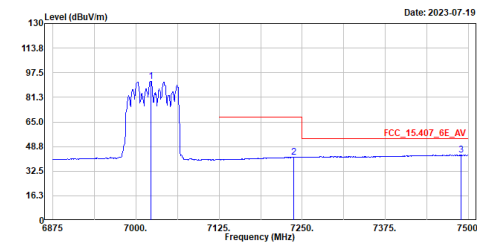
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_ax80_5985MHz
Test BY :Ashton Chiu



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	5914.375	49.54	88.22	-38.68	31.62	17.92	Peak
2	5996.875	99.79	-----	-----	82.01	17.78	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

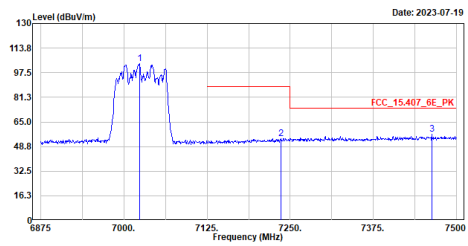
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_ax80_7025MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	7022.500	91.92	-----	-----	70.96	20.96	Average
2	7237.500	41.82	68.22	-26.40	20.18	21.64	Average
3	7488.750	43.08	54.00	-10.92	21.05	22.03	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

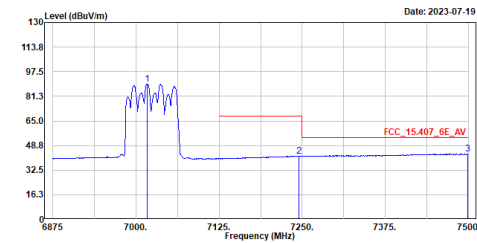
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_ax80_7025MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	7023.125	103.27	-----	-----	82.30	20.97	Peak
2	7236.250	54.19	88.22	-34.03	32.55	21.64	Peak
3	7463.125	56.73	74.00	-17.27	34.56	22.17	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

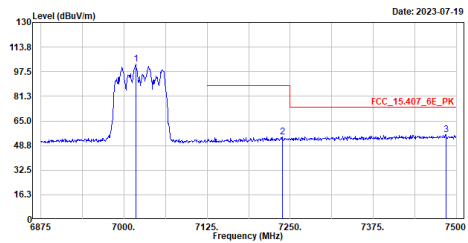
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_ax80_7025MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	7016.875	89.48	-----	-----	68.54	20.94	Average
2	7245.000	41.69	68.22	-26.53	20.02	21.67	Average
3	7498.750	43.10	54.00	-10.90	21.12	21.98	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

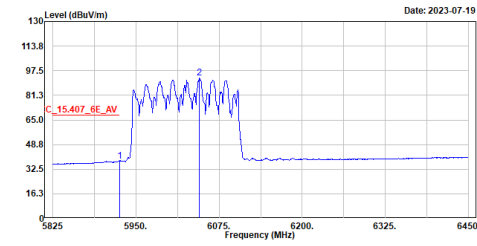
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_ax80_7025MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	7017.500	102.67	-----	-----	81.72	20.95	Peak
2	7238.125	54.63	88.22	-33.59	32.99	21.64	Peak
3	7484.375	55.79	74.00	-18.21	33.73	22.06	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_axi60.6025MHz
Test BY :Ashton Chiu

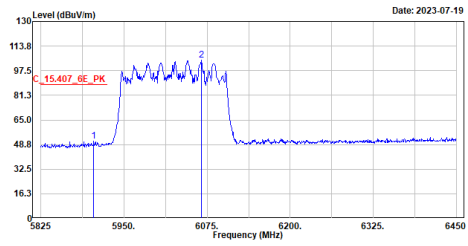


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	5925.000	37.98	68.22	-30.24	20.10	17.88	Average
2	6045.625	92.65	-----	-----	74.56	18.09	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_axi60.6025MHz
Test BY :Ashton Chiu

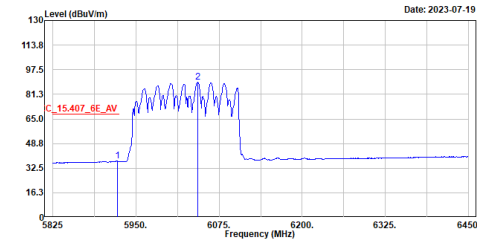


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	5904.375	51.05	88.22	-37.17	33.09	17.96	Peak
2	6066.250	104.49	-----	-----	86.23	18.26	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_axi60.6025MHz
Test BY :Ashton Chiu

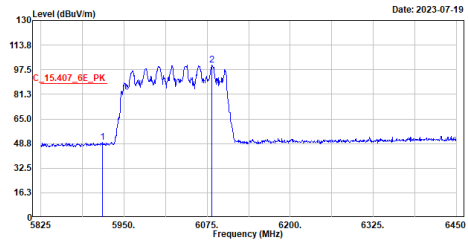


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	5922.500	37.14	68.22	-31.08	19.25	17.89	Average
2	6043.125	89.07	-----	-----	71.00	18.07	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_axi60.6025MHz
Test BY :Ashton Chiu

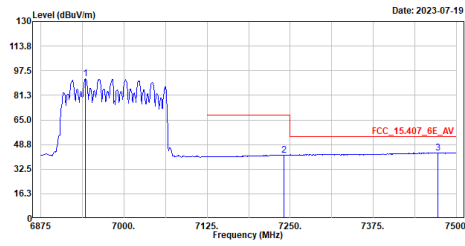


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	5918.125	49.37	88.22	-38.85	31.47	17.90	Peak
2	6081.875	100.48	-----	-----	82.08	18.40	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_axi60_6985MHz
Test BY :Ashton Chiu

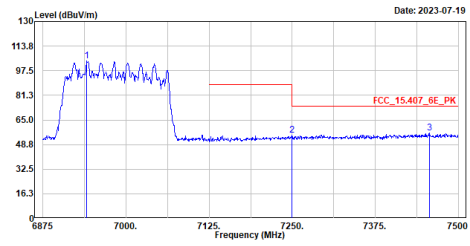


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	6941.875	92.19	-----	-----	71.22	20.97	Average
2	7240.625	41.91	68.22	-26.31	20.26	21.65	Average
3	7471.875	43.27	54.00	-10.73	21.14	22.13	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_axi60_6985MHz
Test BY :Ashton Chiu

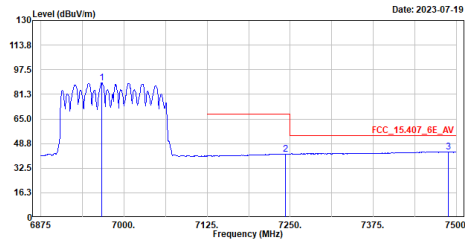


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	6941.250	103.83	-----	-----	82.86	20.97	Peak
2	7250.000	54.72	74.00	-19.28	33.04	21.68	Peak
3	7456.250	56.34	74.00	-17.66	34.16	22.18	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_axi60_6985MHz
Test BY :Ashton Chiu

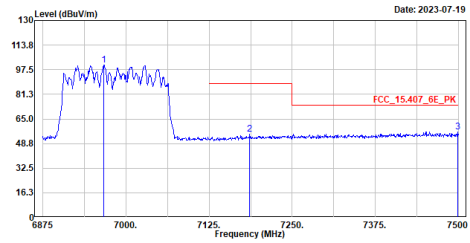


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	6966.875	88.97	-----	-----	68.02	20.95	Average
2	7243.125	41.94	68.22	-26.28	20.28	21.66	Average
3	7487.500	43.22	54.00	-10.78	21.17	22.05	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_axi60_6985MHz
Test BY :Ashton Chiu



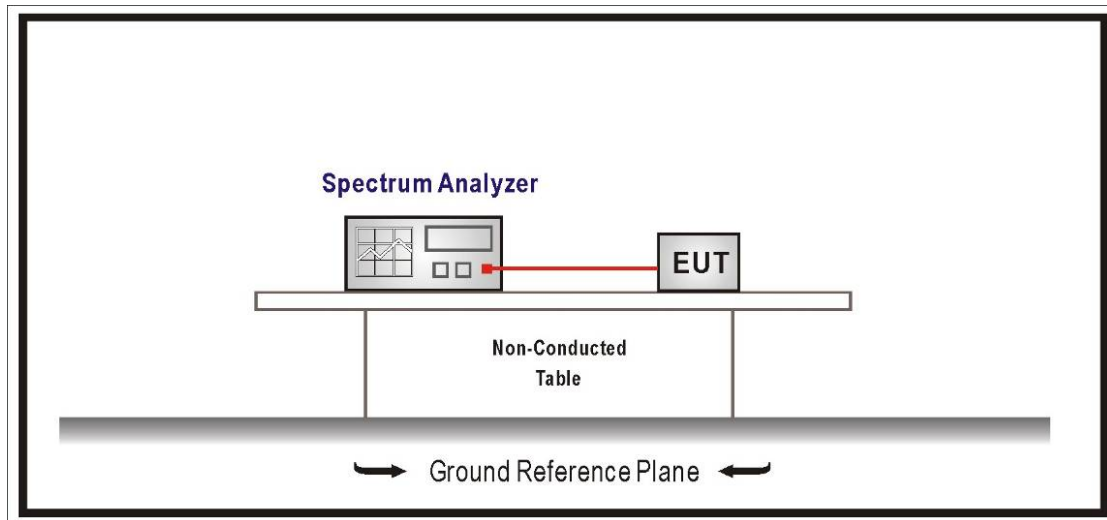
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	6966.875	100.56	-----	-----	79.61	20.95	Peak
2	7186.250	54.75	88.22	-33.47	33.38	21.37	Peak
3	7498.750	56.38	74.00	-17.62	34.40	21.98	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

9. In-Band Emission (Mask)

9.1. Test Setup



9.2. Limits

Test Items	Frequencies (MHz)	(X) dBc*1
Emission Mask	At 1MHz outside of channel edge	20
	At one channel bandwidth from the channel center*2	28
	At one- and one-half times the channel bandwidth away from channel center*3	40
	More than one- and one-half times the channel bandwidth	40

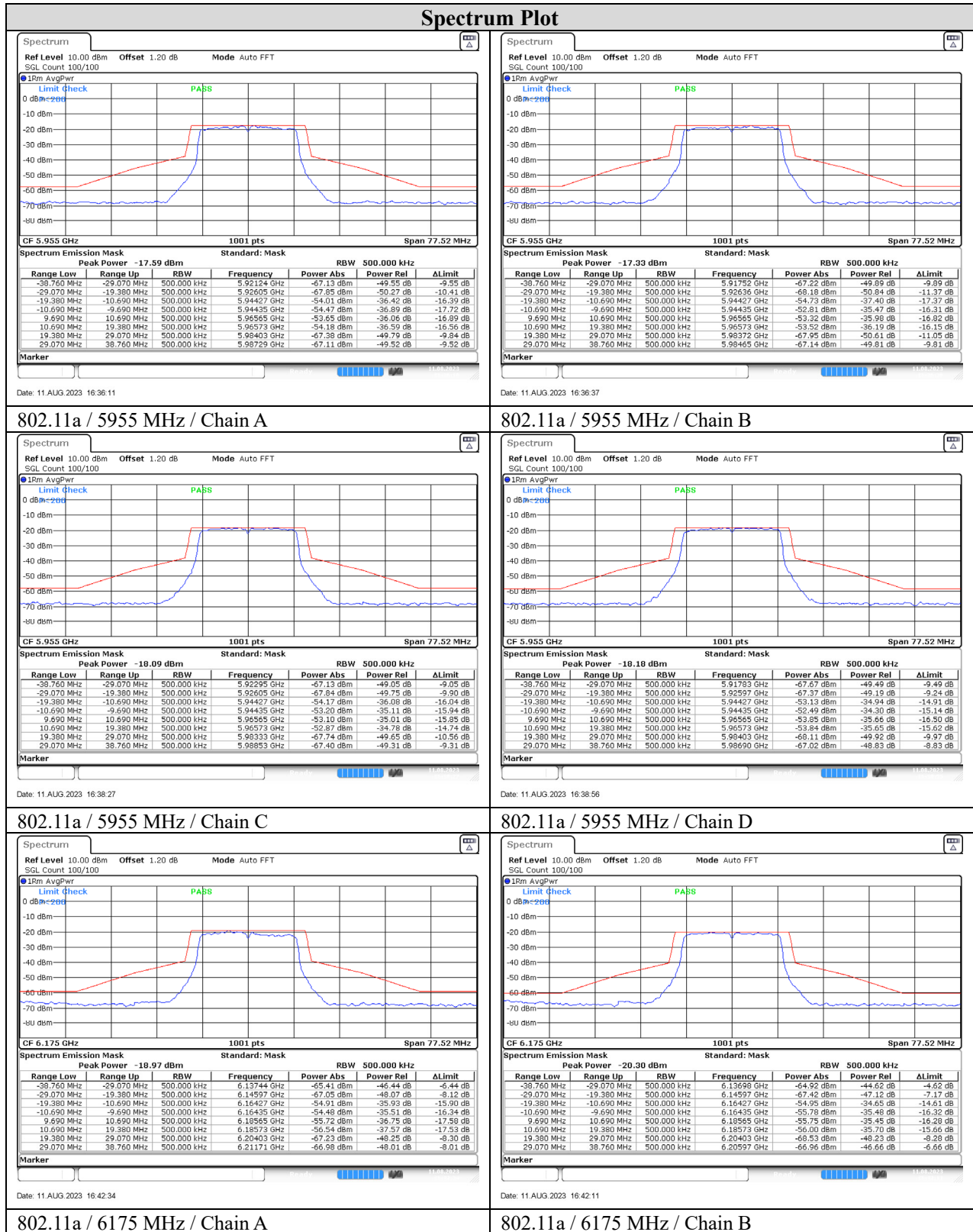
Remark:

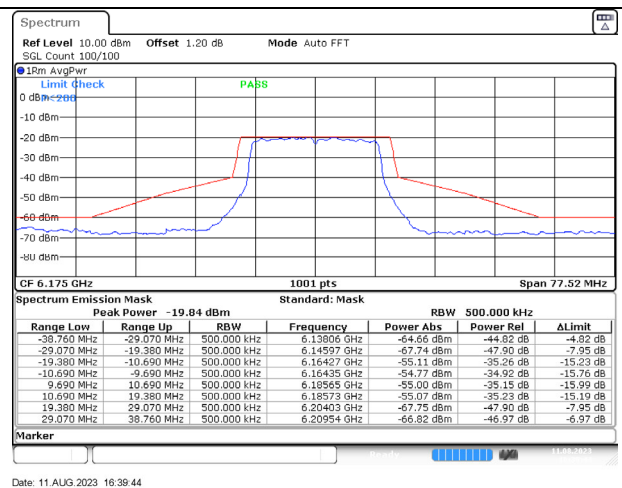
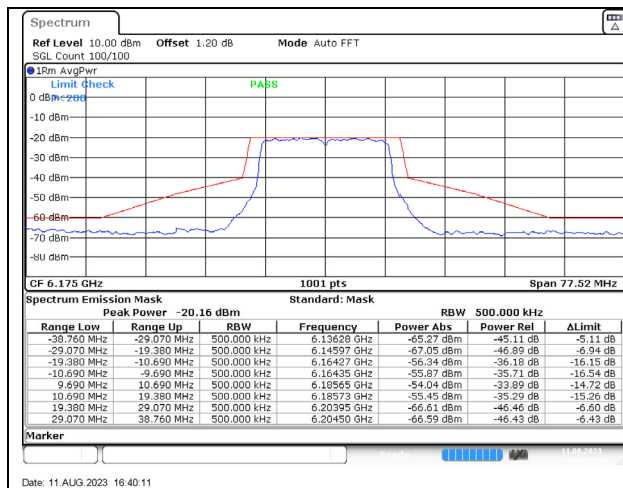
1. The power spectral density must be suppressed by “x” dB.
2. At frequencies between one megahertz outside an unlicensed device’s channel edge and one channel bandwidth from the center of the channel, the Limits must be linearly interpolated between 20dB and 28dB suppression.
3. At frequencies between one and one- and one-half times an unlicensed device’s channel bandwidth, the Limits must be linearly interpolated between 28dB and 40dB suppression.

9.3. Test Procedure

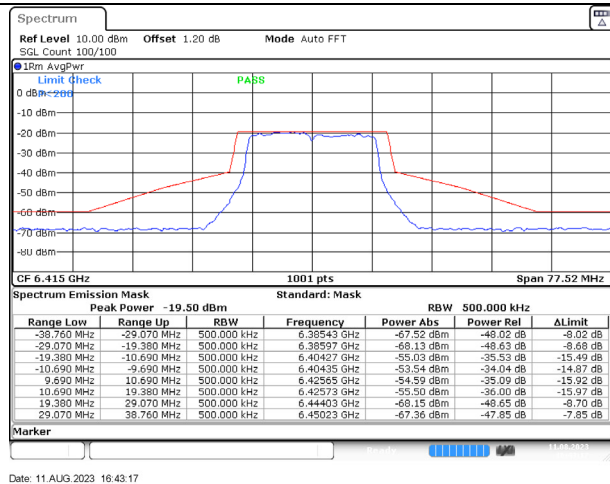
1. Connect output of the antenna port to a spectrum analyzer and adjust appropriate attenuation.
2. Measure the 26 dB EBW using the test procedure 12.4.1 of ANSI C63.10-2013. (Determine the channel edge.)
3. Measure the power spectral density (for emissions mask reference) using the following procedure:
 - (1) Set the span to encompass the entire 26 dB EBW of the signal.
 - (2) Set RBW = same RBW used for 26 dB EBW measurement.
 - (3) Set VBW $\geq 3 \times$ RBW
 - (4) Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$.
 - (5) Sweep time = auto.
 - (6) Detector = RMS (i.e., power averaging)
 - (7) Trace average at least 100 traces in power averaging (rms) mode.
 - (8) Use the peak search function on the instrument to find the peak of the spectrum.
4. 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:
 - (1) Suppressed by 20 dB at 1 MHz outside of the channel edge. (The channel edge is defined as the 26-dB point on either side of the carrier center frequency.)
 - (2) Suppressed by 28 dB at one channel bandwidth from the channel center.
 - (3) Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
5. Adjust the span to encompass the entire mask as necessary and 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.

9.4. Test Result of In-Band Emission (Mask)

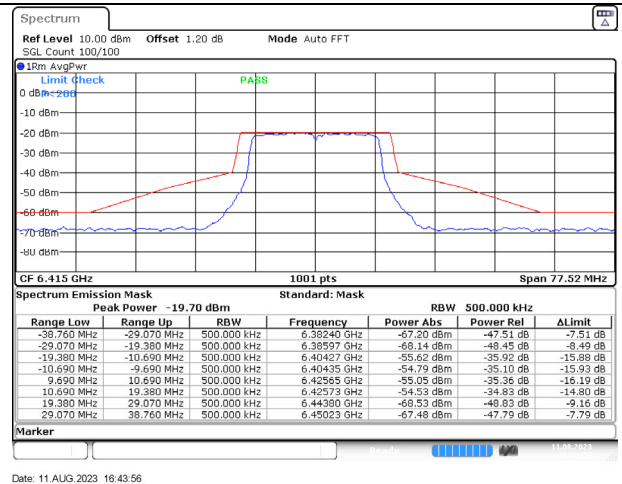




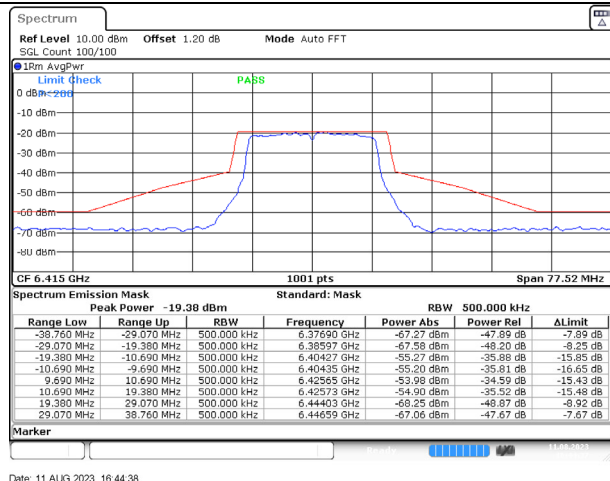
802.11a / 6175 MHz / Chain C



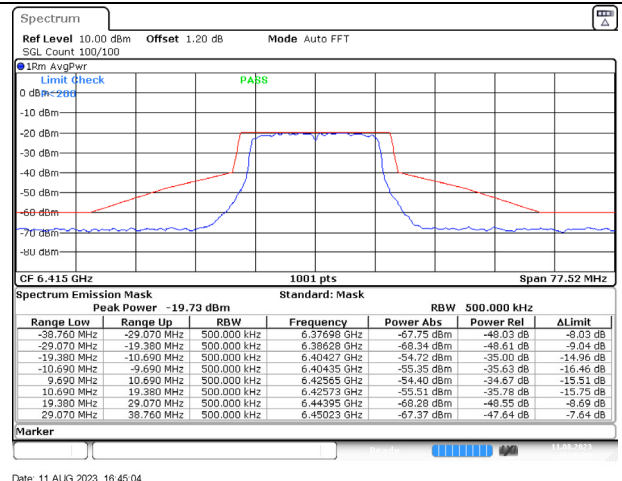
802.11a / 6175 MHz / Chain D



802.11a / 6415 MHz / Chain A

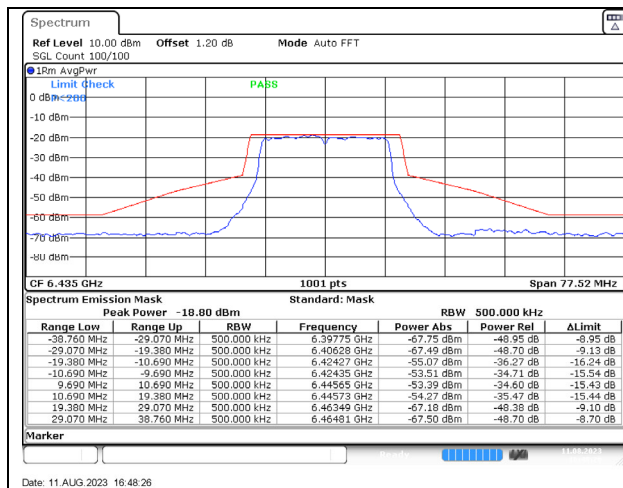


802.11a / 6415 MHz / Chain B

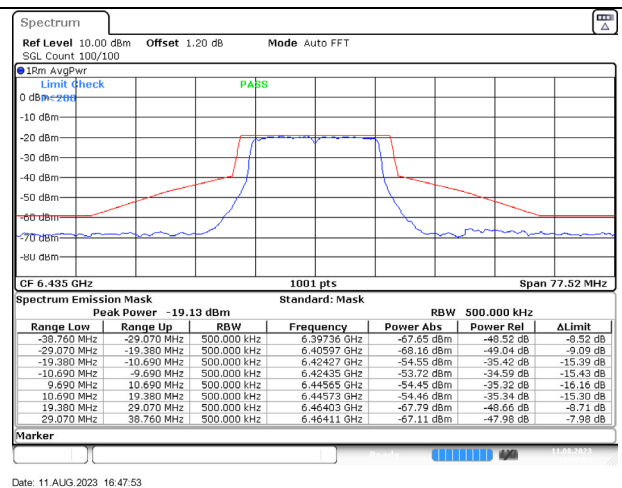


802.11a / 6415 MHz / Chain C

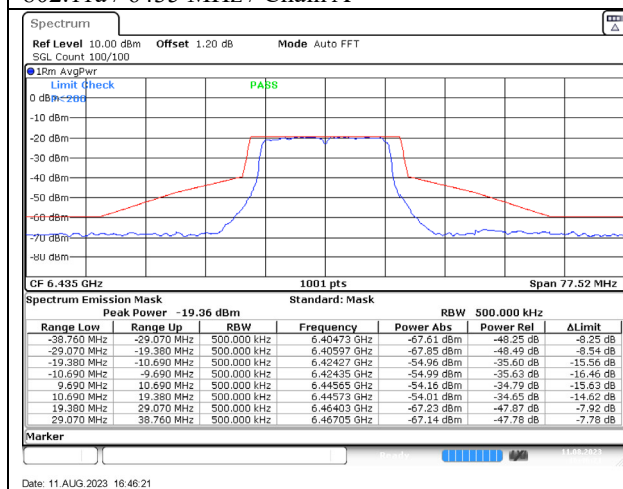
802.11a / 6415 MHz / Chain D



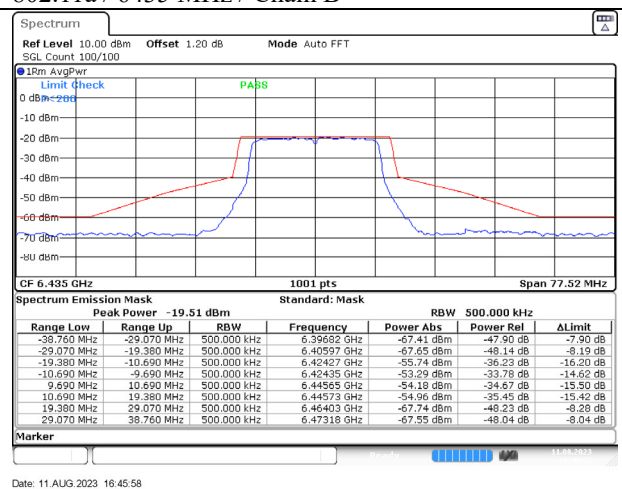
802.11a / 6435 MHz / Chain A



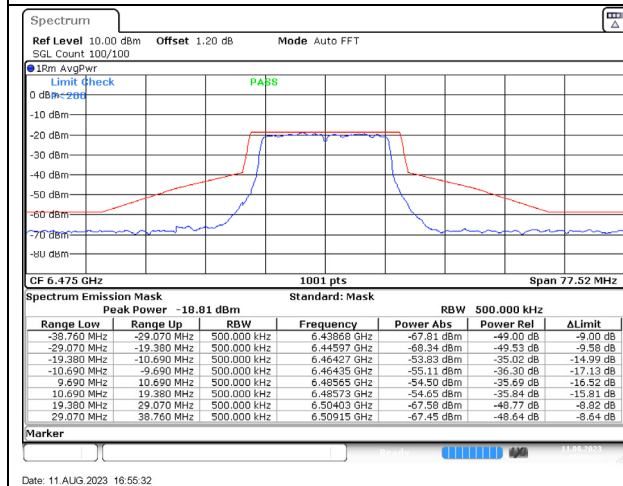
802.11a / 6435 MHz / Chain B



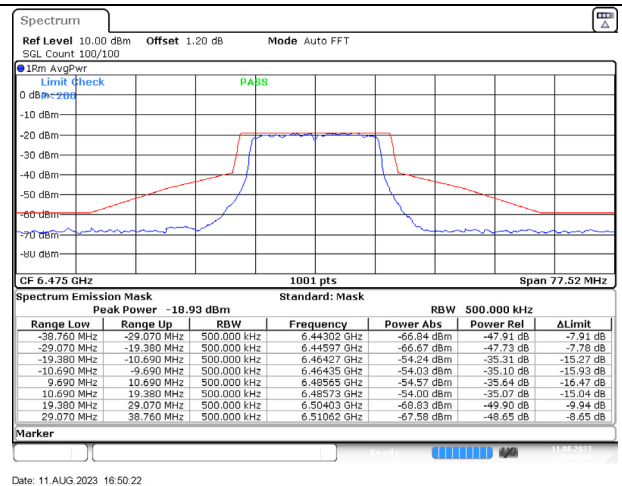
802.11a / 6435 MHz / Chain C



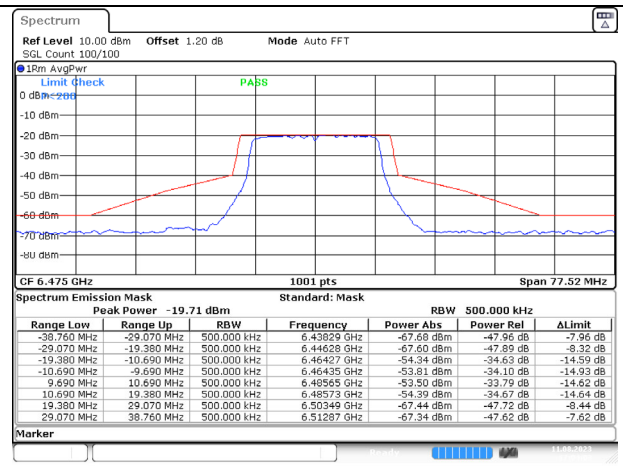
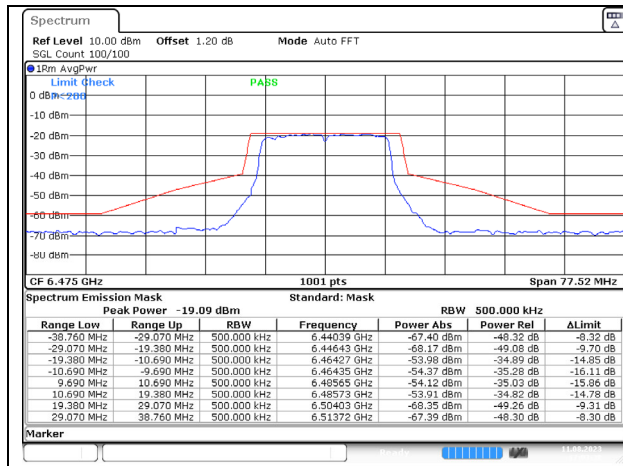
802.11a / 6435 MHz / Chain D



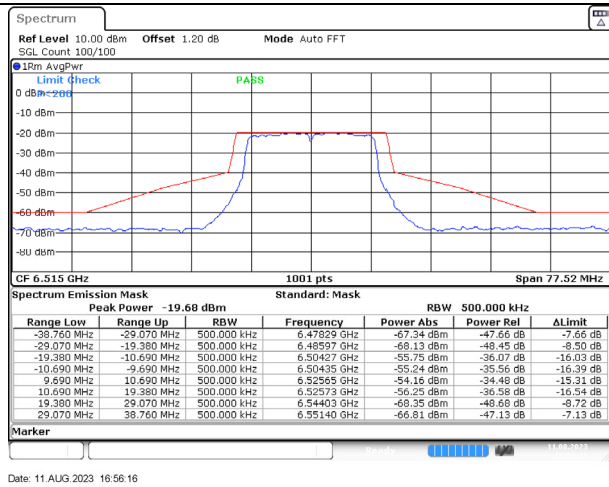
802.11a / 6475 MHz / Chain A



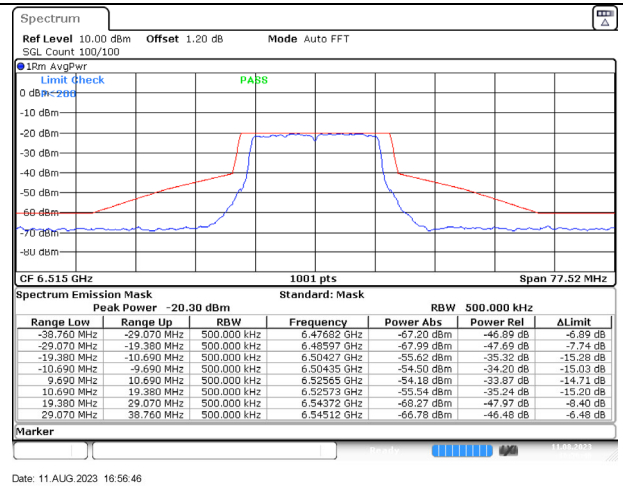
802.11a / 6475 MHz / Chain B



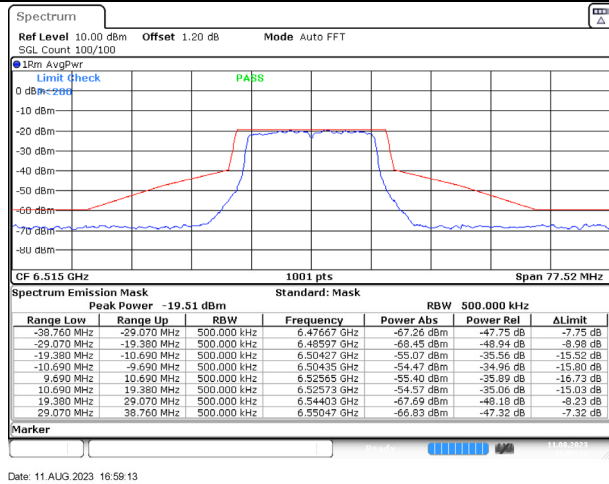
802.11a / 6475 MHz / Chain C



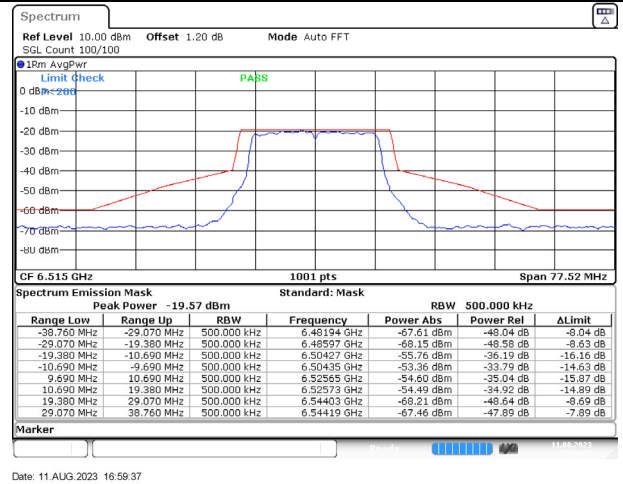
802.11a / 6475 MHz / Chain D



802.11a / 6515 MHz / Chain A



802.11a / 6515 MHz / Chain B



802.11a / 6515 MHz / Chain C

802.11a / 6515 MHz / Chain D