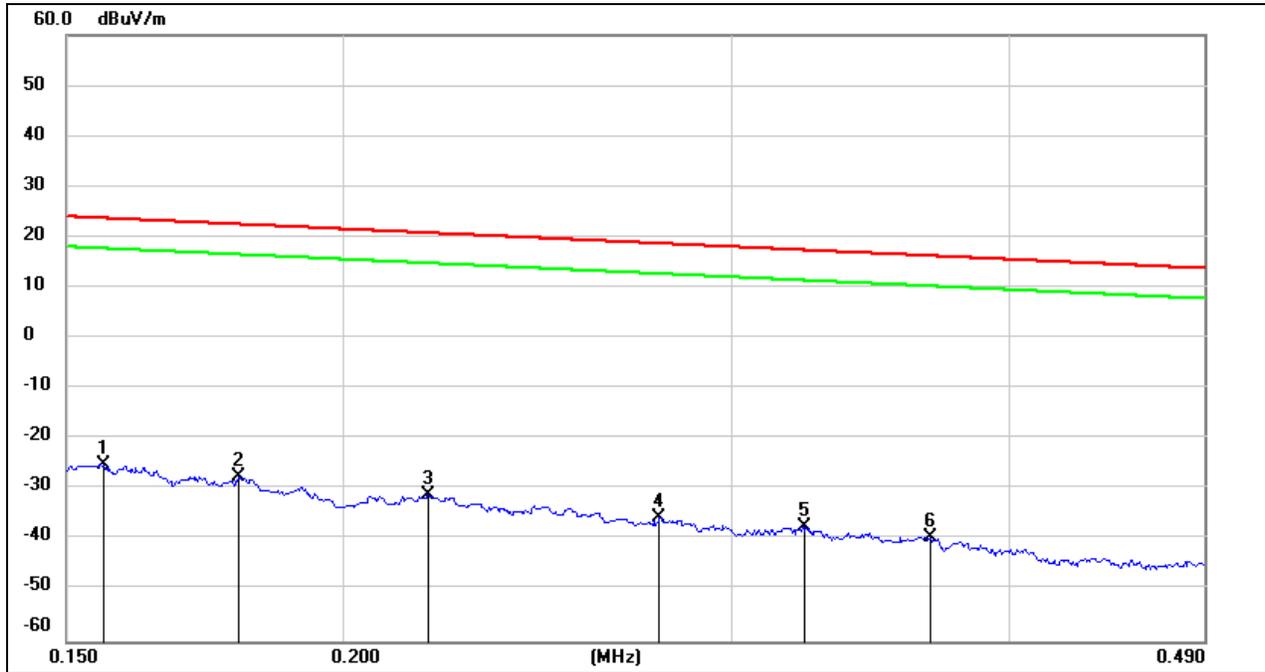




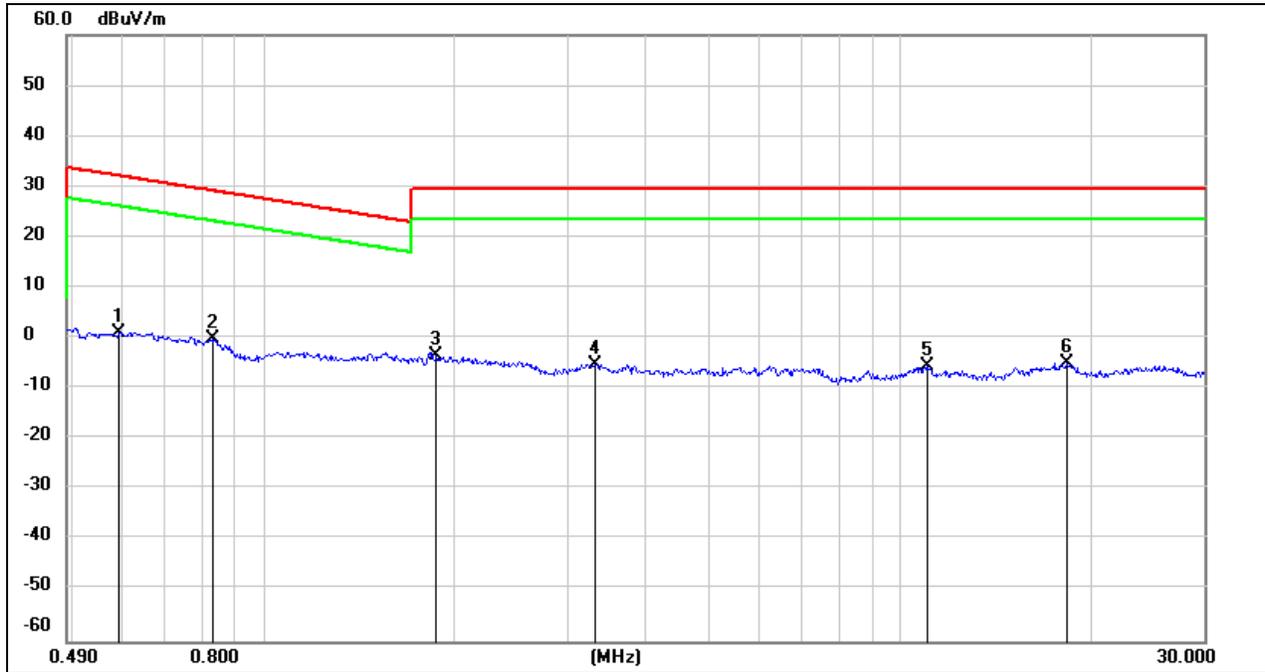
Test Mode:	802.11ax	Channel:	6115
Polarity:	Horizontal	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	ISED Result (dBuA/m)	ISED Limit (dBuA/m)	Margin (dB)	Remark
1	0.1559	76.65	-101.65	-25.00	23.74	-76.50	-27.76	-48.74	peak
2	0.1794	74.27	-101.68	-27.41	22.53	-78.91	-28.97	-49.94	peak
3	0.2187	70.75	-101.75	-31.00	20.80	-82.50	-30.70	-51.80	peak
4	0.2782	66.29	-101.83	-35.54	18.71	-87.04	-32.79	-54.25	peak
5	0.3234	64.48	-101.88	-37.40	17.41	-88.90	-34.09	-54.81	peak
6	0.3684	62.48	-101.93	-39.45	16.27	-90.95	-35.23	-55.72	peak



Test Mode:	802.11ax	Channel:	6115
Polarity:	Horizontal	Test Voltage:	DC 12 V

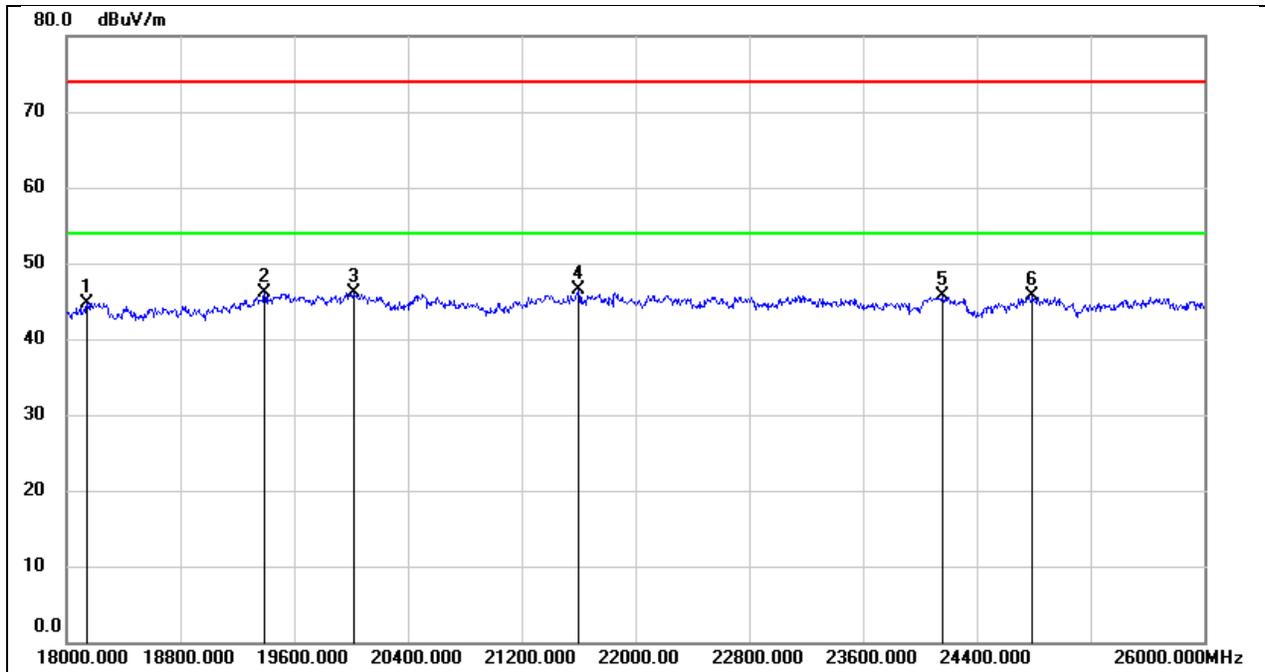


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	ISED Result (dBuA/m)	ISED Limit (dBuA/m)	Margin (dB)	Remark
1	0.5917	63.24	-62.08	1.16	32.16	-50.34	-19.34	-31.00	peak
2	0.8296	61.94	-62.17	-0.23	29.23	-51.73	-22.27	-29.46	peak
3	1.8662	58.31	-61.88	-3.57	29.54	-55.07	-21.96	-33.11	peak
4	3.3229	56.39	-61.50	-5.11	29.54	-56.61	-21.96	-34.65	peak
5	10.9954	55.34	-60.84	-5.50	29.54	-57.00	-21.96	-35.04	peak
6	18.2545	55.93	-60.90	-4.97	29.54	-56.47	-21.96	-34.51	peak



8.5. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

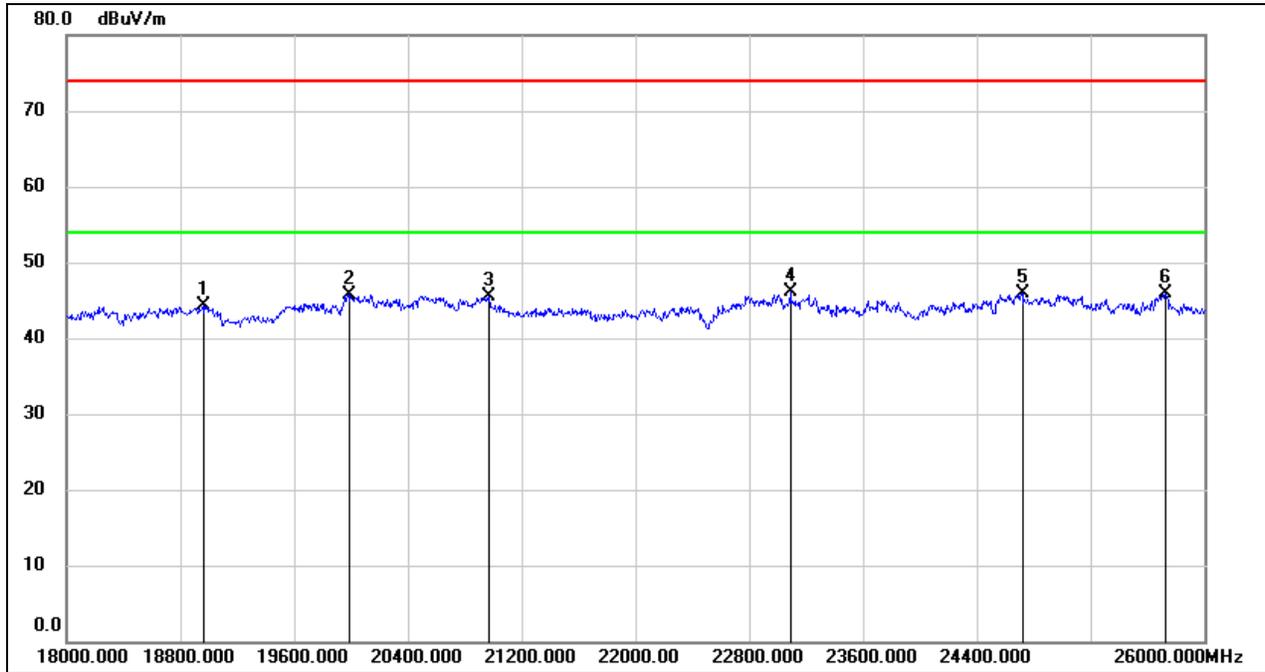
Test Mode:	802.11ax	Channel:	6115
Polarity:	Horizontal	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18144.000	50.27	-5.48	44.79	74.00	-29.21	peak
2	19392.000	51.62	-5.57	46.05	74.00	-27.95	peak
3	20016.000	51.56	-5.47	46.09	74.00	-27.91	peak
4	21600.000	51.02	-4.54	46.48	74.00	-27.52	peak
5	24160.000	48.52	-2.80	45.72	74.00	-28.28	peak
6	24792.000	47.98	-2.28	45.70	74.00	-28.30	peak



Test Mode:	802.11ax	Channel:	6115
Polarity:	Vertical	Test Voltage:	DC 12 V

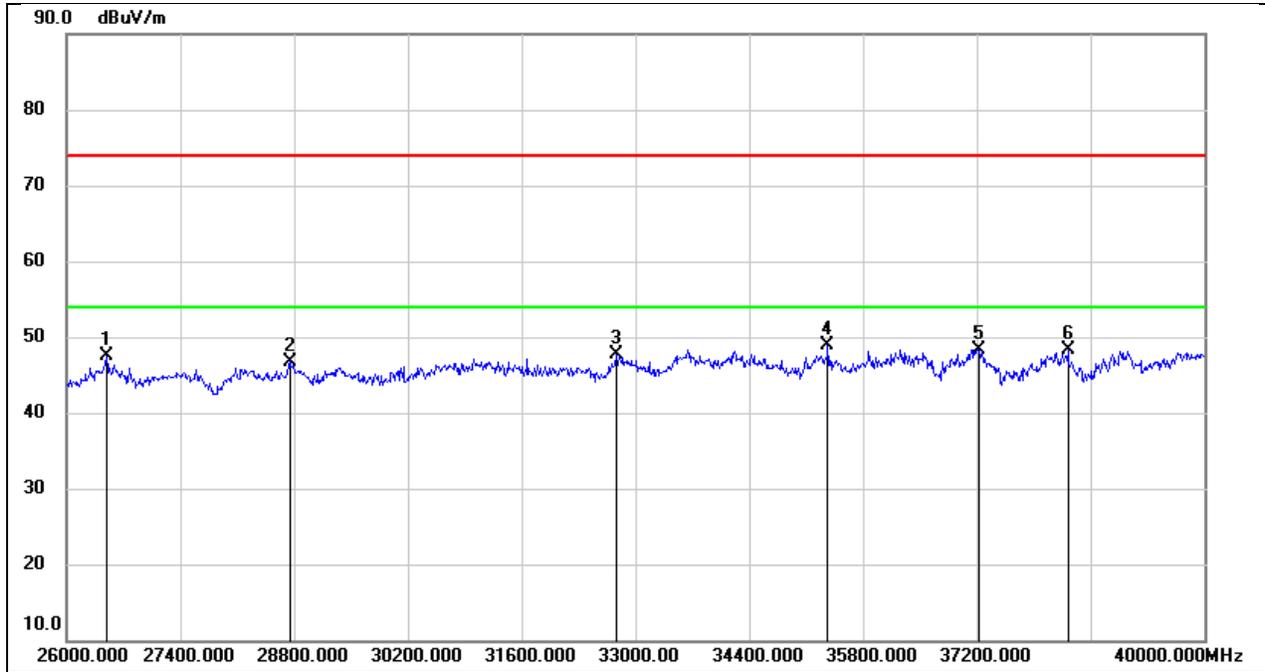


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18960.000	49.51	-5.25	44.26	74.00	-29.74	peak
2	19984.000	51.21	-5.44	45.77	74.00	-28.23	peak
3	20968.000	50.46	-4.91	45.55	74.00	-28.45	peak
4	23088.000	49.52	-3.41	46.11	74.00	-27.89	peak
5	24720.000	48.22	-2.33	45.89	74.00	-28.11	peak
6	25728.000	46.61	-0.72	45.89	74.00	-28.11	peak



8.6. SPURIOUS EMISSIONS(26 GHZ~40 GHZ)

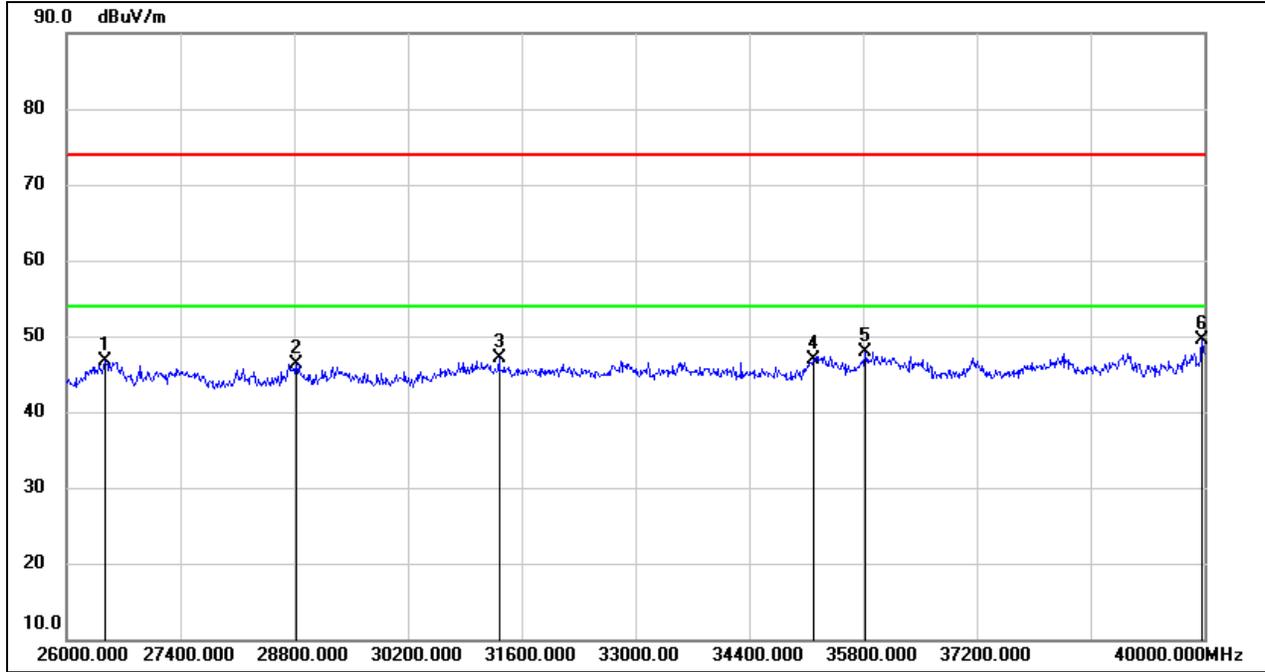
Test Mode:	802.11ax	Channel:	6115
Polarity:	Horizontal	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	26490.000	52.29	-4.74	47.55	74.00	-26.45	peak
2	28744.000	47.36	-0.56	46.80	74.00	-27.20	peak
3	32762.000	48.95	-1.21	47.74	74.00	-26.26	peak
4	35366.000	46.40	2.59	48.99	74.00	-25.01	peak
5	37228.000	45.23	3.14	48.37	74.00	-25.63	peak
6	38320.000	44.56	3.77	48.33	74.00	-25.67	peak



Test Mode:	802.11ax	Channel:	6115
Polarity:	Vertical	Test Voltage:	DC 12 V

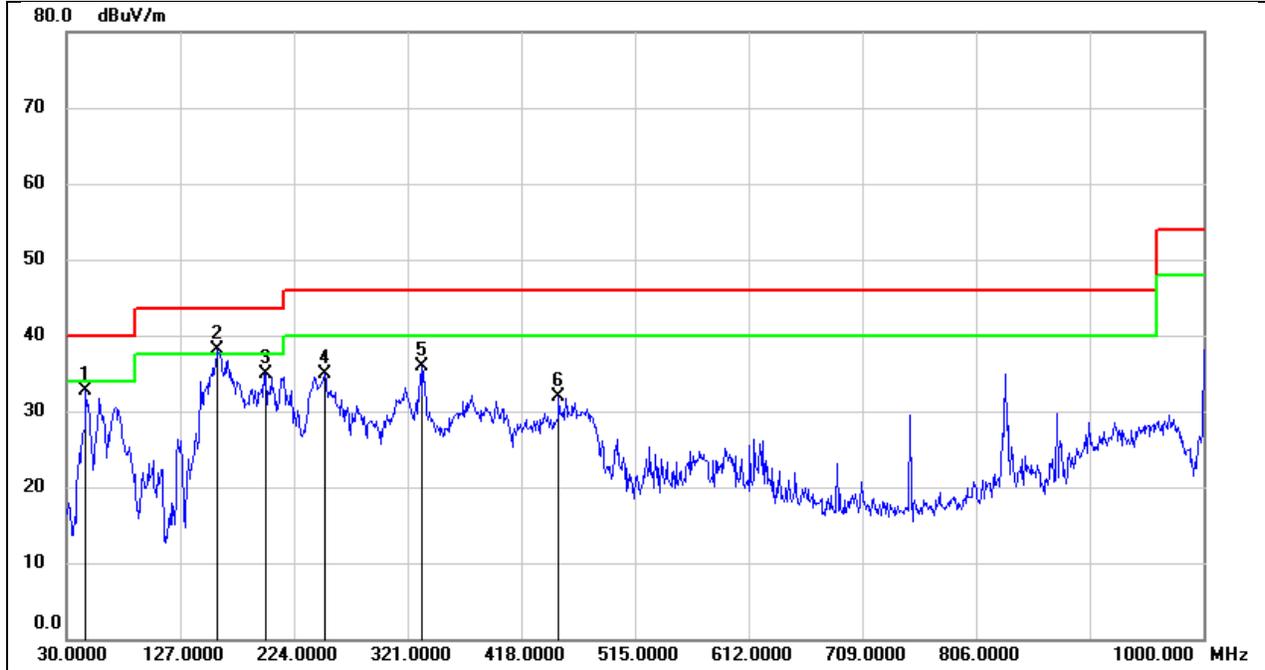


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	26476.000	51.53	-4.78	46.75	74.00	-27.25	peak
2	28828.000	47.13	-0.79	46.34	74.00	-27.66	peak
3	31320.000	48.11	-0.93	47.18	74.00	-26.82	peak
4	35184.000	44.55	2.30	46.85	74.00	-27.15	peak
5	35828.000	44.25	3.67	47.92	74.00	-26.08	peak
6	39972.000	44.45	5.13	49.58	74.00	-24.42	peak



8.7. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

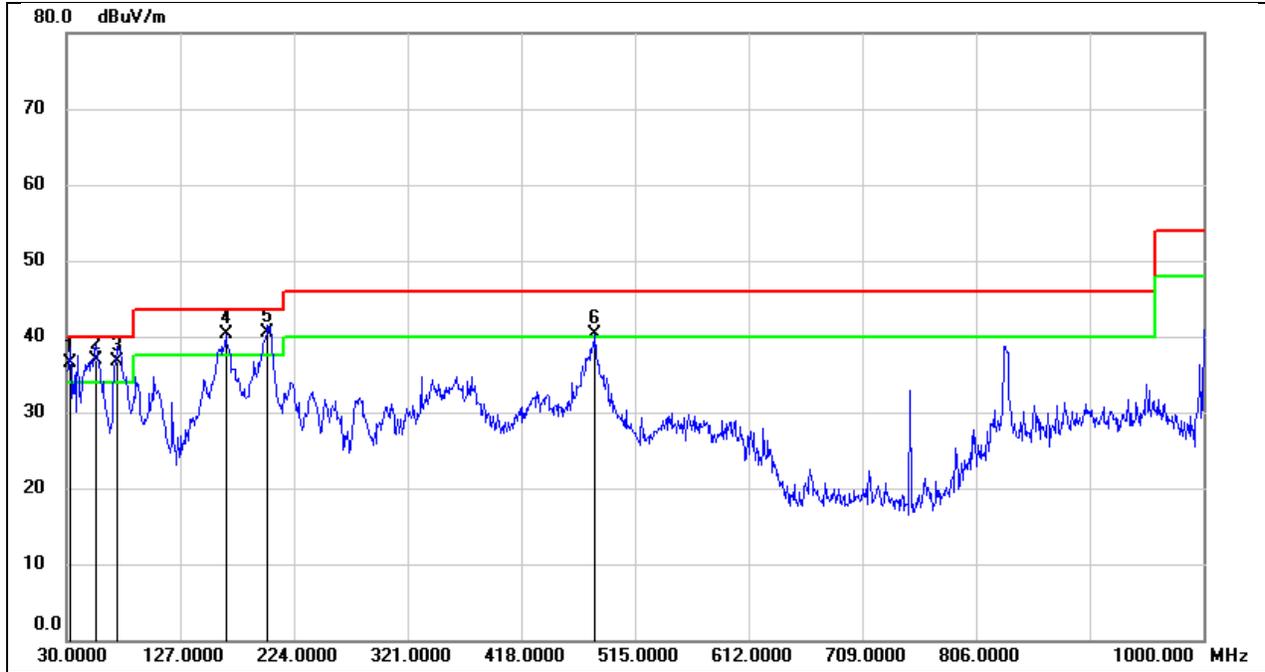
Test Mode:	802.11ax HE20	Channel:	6115
Polarity:	Horizontal	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	46.4900	53.07	-20.46	32.61	40.00	-7.39	QP
2	159.0100	55.97	-17.80	38.17	43.50	-5.33	QP
3	199.7500	51.26	-16.38	34.88	43.50	-8.62	QP
4	250.1900	53.77	-18.91	34.86	46.00	-11.14	QP
5	332.6400	50.58	-14.62	35.96	46.00	-10.04	QP
6	450.0100	44.34	-12.49	31.85	46.00	-14.15	QP



Test Mode:	802.11ax HE20	Channel:	6115
Polarity:	Vertical	Test Voltage:	DC 12 V

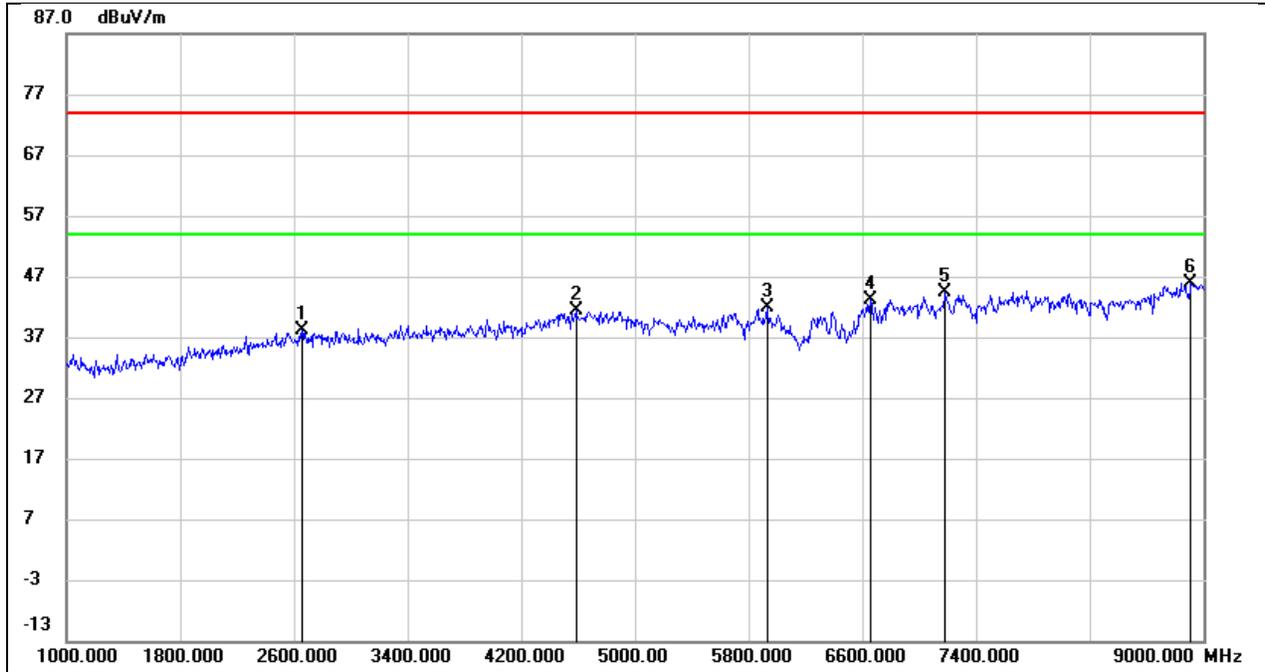


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	32.9100	55.65	-19.22	36.43	40.00	-3.57	QP
2	55.2200	57.48	-20.63	36.85	40.00	-3.15	QP
3	72.6800	57.49	-20.76	36.73	40.00	-3.27	QP
4	165.8000	57.90	-17.51	40.39	43.50	-3.11	QP
5	201.6900	56.94	-16.53	40.41	43.50	-3.09	QP
6	481.0500	52.07	-11.78	40.29	46.00	-5.71	QP



8.8. SIMULTANEOUSLY TRANSMISSION SPURIOUS EMISSIONS (1 GHz~18 GHz) (Worst case)

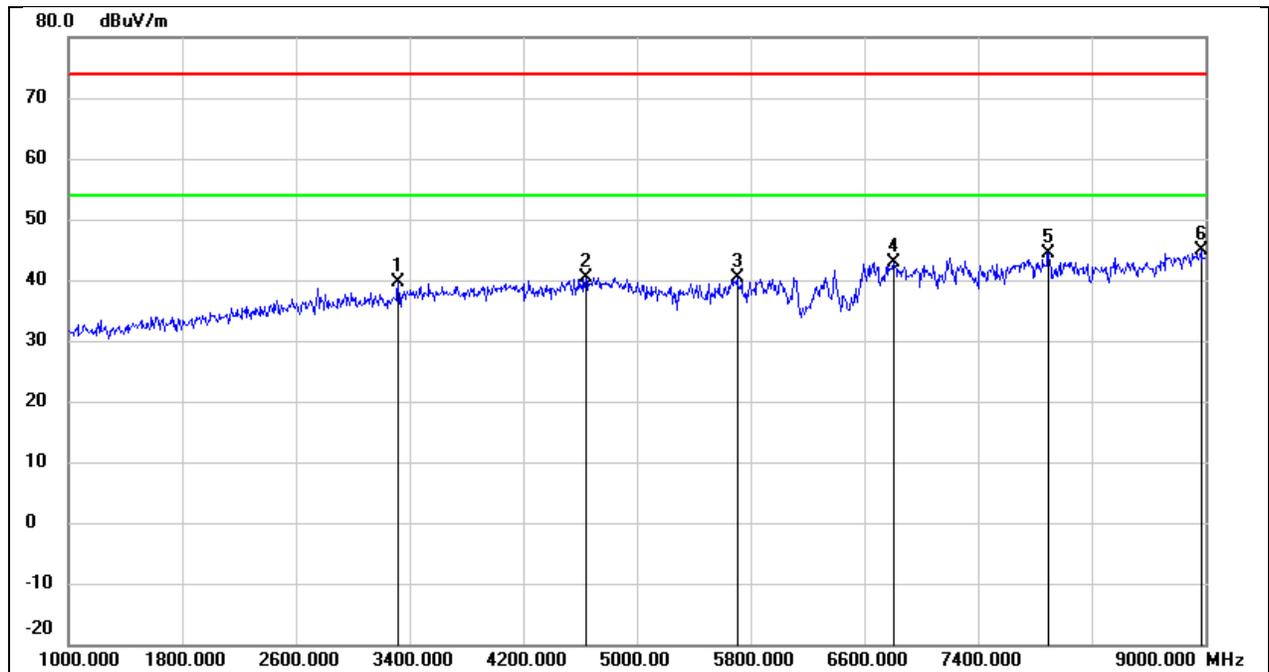
Test Mode:	WIFI 2.4G 802.11b Mode 2437 MHz & WIFI 5G 802.11a Mode 5745 MHz & WIFI 6G 802.11be EHT320 Mode 6265 MHz		
Polarity:	Horizontal	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2656.000	46.07	-8.02	38.05	74.00	-35.95	peak
2	4584.000	43.09	-1.80	41.29	74.00	-32.71	peak
3	5928.000	40.21	1.64	41.85	74.00	-32.15	peak
4	6656.000	38.71	4.49	43.20	74.00	-30.80	peak
5	7184.000	38.25	6.01	44.26	74.00	-29.74	peak
6	8912.000	36.77	9.11	45.88	74.00	-28.12	peak



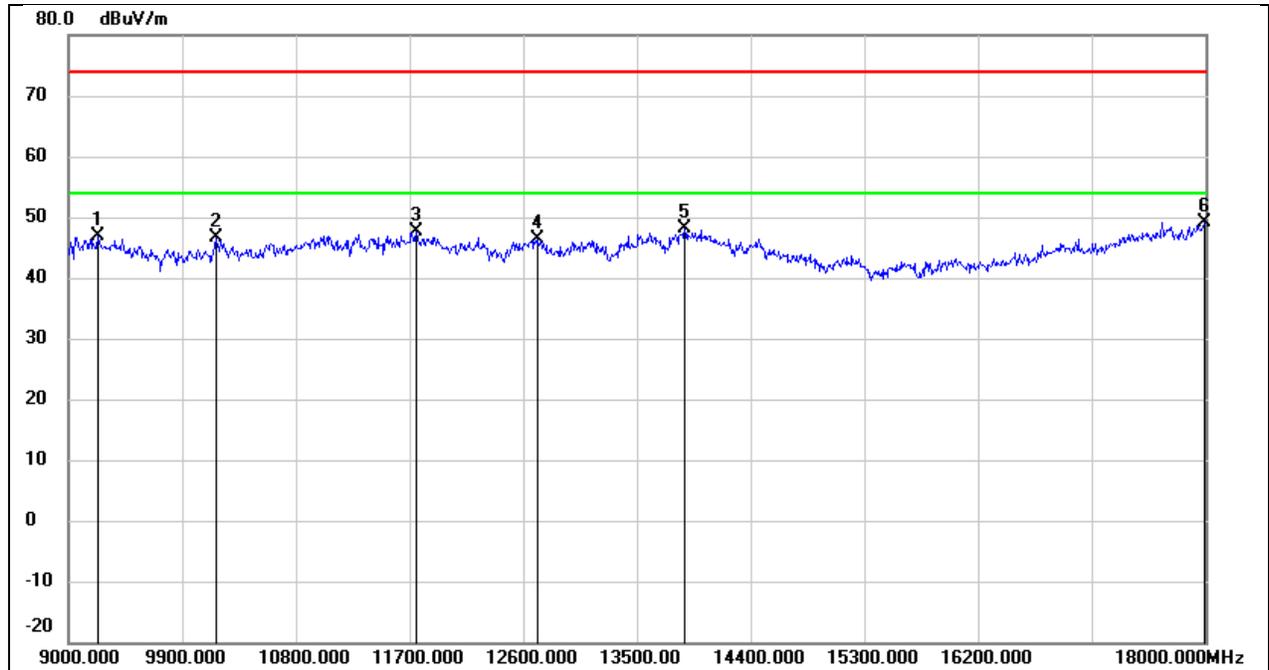
Test Mode:	WIFI 2.4G 802.11b Mode 2437 MHz & WIFI 5G 802.11a Mode 5745 MHz & WIFI 6G 802.11be EHT320 Mode 6265 MHz		
Polarity:	Vertical	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3320.000	45.79	-6.26	39.53	74.00	-34.47	peak
2	4640.000	42.08	-1.58	40.50	74.00	-33.50	peak
3	5704.000	39.38	1.00	40.38	74.00	-33.62	peak
4	6808.000	37.71	5.24	42.95	74.00	-31.05	peak
5	7896.000	38.67	5.66	44.33	74.00	-29.67	peak
6	8968.000	35.29	9.51	44.80	74.00	-29.20	peak



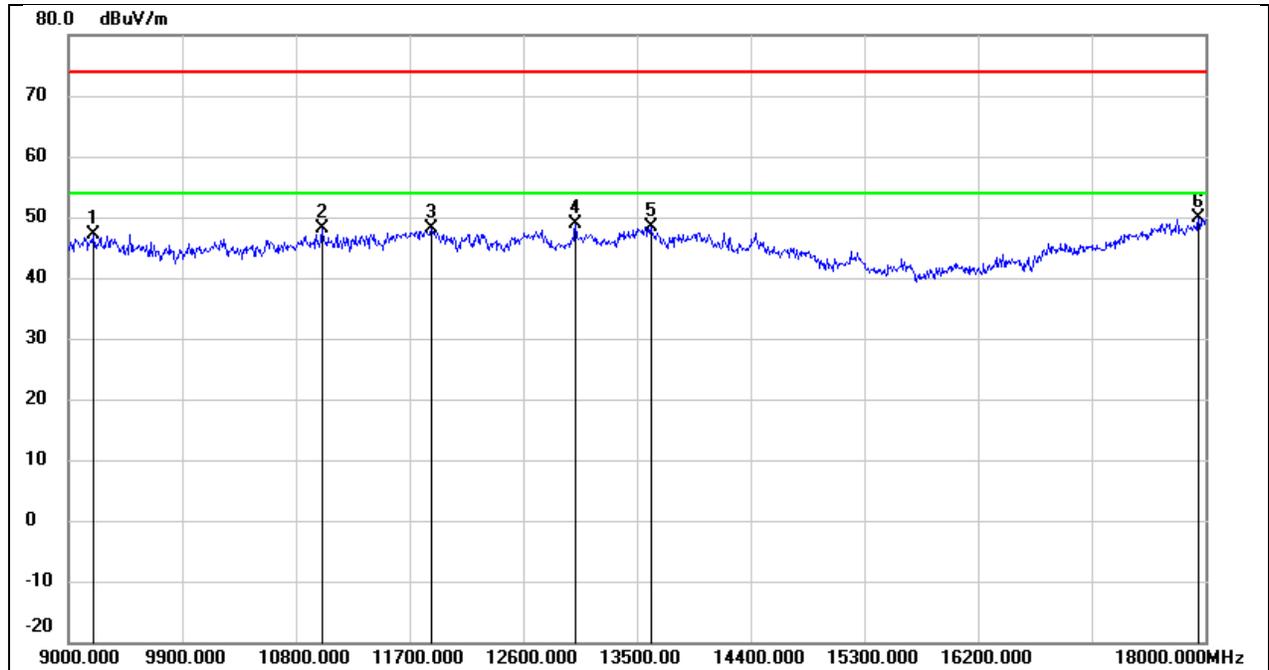
Test Mode:	WIFI 2.4G 802.11b Mode 2437 MHz & WIFI 5G 802.11a Mode 5745 MHz & WIFI 6G 802.11be EHT320 Mode 6265 MHz		
Polarity:	Horizontal	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9234.000	36.14	10.84	46.98	74.00	-27.02	peak
2	10170.000	34.16	12.43	46.59	74.00	-27.41	peak
3	11754.000	30.33	17.23	47.56	74.00	-26.44	peak
4	12708.000	28.39	18.10	46.49	74.00	-27.51	peak
5	13878.000	26.58	21.62	48.20	74.00	-25.80	peak
6	17991.000	24.07	25.11	49.18	74.00	-24.82	peak



Test Mode:	WIFI 2.4G 802.11b Mode 2437 MHz &WIFI 5G 802.11a Mode 5745 MHz& WIFI 6G 802.11be EHT320 Mode 6265 MHz		
Polarity:	Vertical	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9198.000	36.36	10.85	47.21	74.00	-26.79	peak
2	11007.000	33.29	14.77	48.06	74.00	-25.94	peak
3	11871.000	30.68	17.56	48.24	74.00	-25.76	peak
4	13014.000	29.88	18.94	48.82	74.00	-25.18	peak
5	13608.000	27.35	21.05	48.40	74.00	-25.60	peak
6	17946.000	25.17	24.82	49.99	74.00	-24.01	peak

9. AC POWER LINE CONDUCTED EMISSION

LIMITS

Please refer to CFR 47 FCC §15.207 (a) and ISED RSS-Gen Clause 8.8

FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

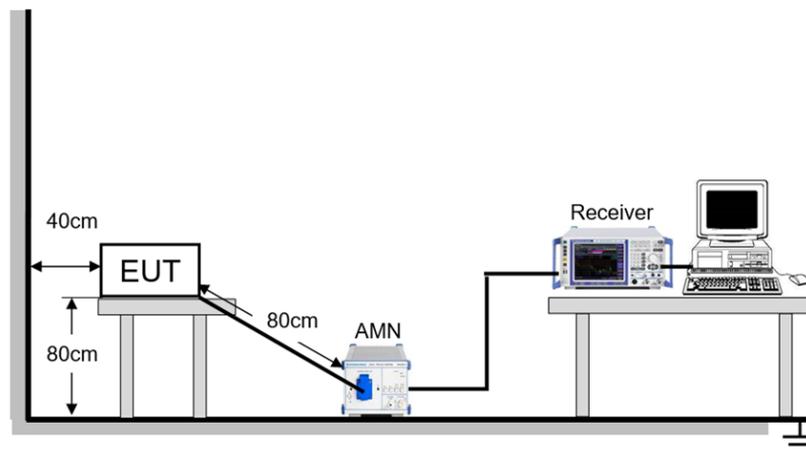
TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 6.2.

The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST SETUP





TEST ENVIRONMENT

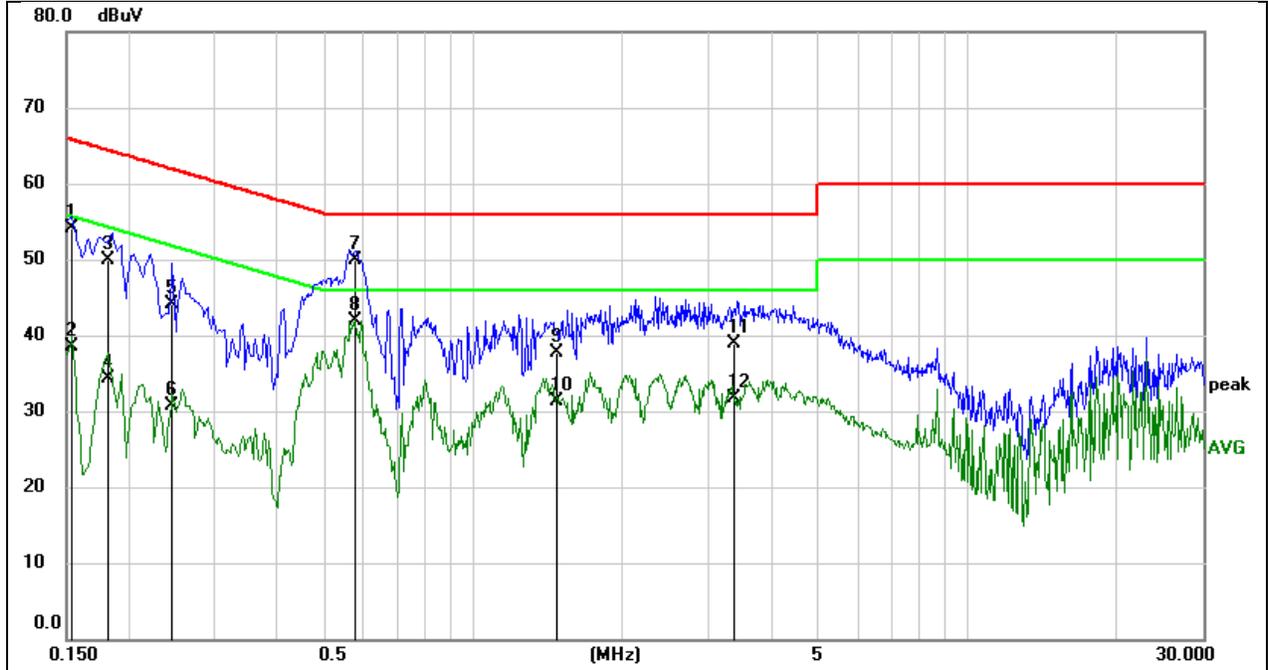
Temperature	25.0°C	Relative Humidity	59.3%
Atmosphere Pressure	101kPa	Test Voltage	AC 120 V, 60 Hz

TEST DATE / ENGINEER

Test Date	March 15, 2023	Test By	Wite Chen
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TEST RESULTS

Test Mode:	802.11ax HE20	Channel:	6115
Line:	Line	Test Voltage:	AC 120 V, 60 Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1530	44.48	9.59	54.07	65.84	-11.77	QP
2	0.1530	28.87	9.59	38.46	55.84	-17.38	AVG
3	0.1821	40.30	9.59	49.89	64.39	-14.50	QP
4	0.1821	24.76	9.59	34.35	54.39	-20.04	AVG
5	0.2448	34.53	9.59	44.12	61.93	-17.81	QP
6	0.2448	21.05	9.59	30.64	51.93	-21.29	AVG
7	0.5773	40.32	9.60	49.92	56.00	-6.08	QP
8	0.5773	32.34	9.60	41.94	46.00	-4.06	AVG
9	1.4800	28.14	9.62	37.76	56.00	-18.24	QP
10	1.4800	21.63	9.62	31.25	46.00	-14.75	AVG
11	3.3733	29.14	9.68	38.82	56.00	-17.18	QP
12	3.3733	22.05	9.68	31.73	46.00	-14.27	AVG

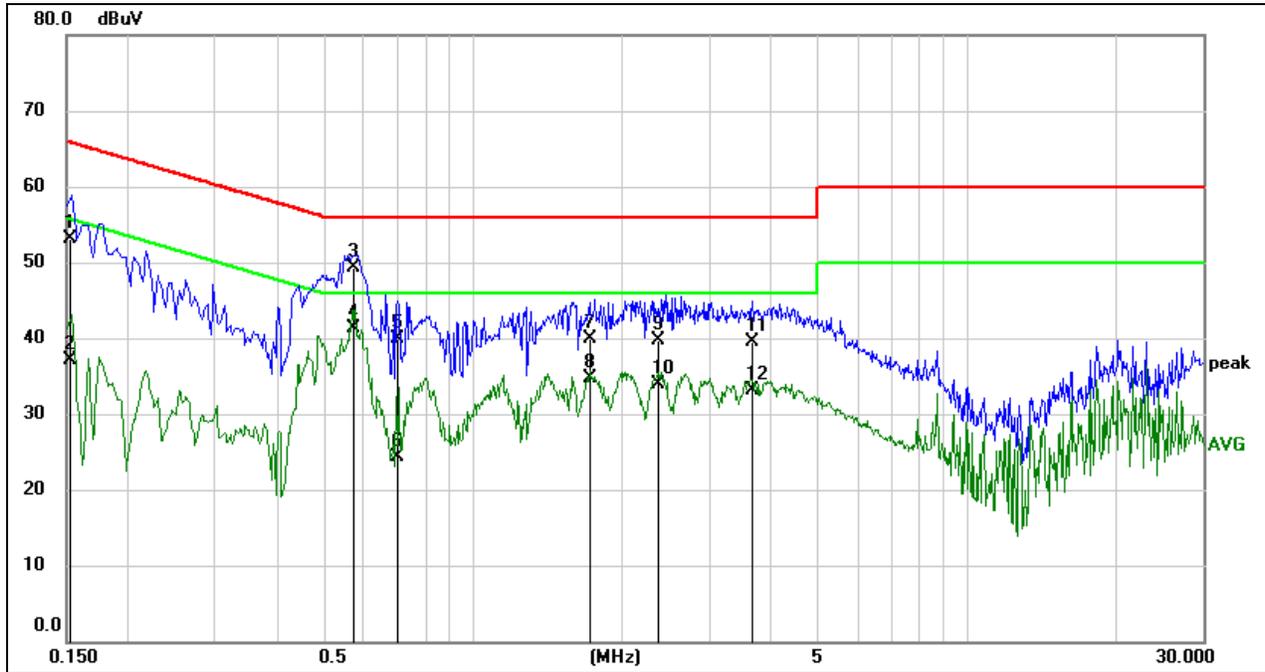
Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.



Test Mode:	802.11ax HE20	Channel:	6115
Line:	Neutral	Test Voltage:	AC 120 V, 60 Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1522	43.56	9.59	53.15	65.88	-12.73	QP
2	0.1522	27.53	9.59	37.12	55.88	-18.76	AVG
3	0.5763	39.62	9.60	49.22	56.00	-6.78	QP
4	0.5763	31.64	9.60	41.24	46.00	-4.76	AVG
5	0.6998	30.36	9.60	39.96	56.00	-16.04	QP
6	0.6998	14.75	9.60	24.35	46.00	-21.65	AVG
7	1.7272	30.28	9.62	39.90	56.00	-16.10	QP
8	1.7272	25.03	9.62	34.65	46.00	-11.35	AVG
9	2.3742	29.99	9.65	39.64	56.00	-16.36	QP
10	2.3742	24.34	9.65	33.99	46.00	-12.01	AVG
11	3.6672	29.84	9.69	39.53	56.00	-16.47	QP
12	3.6672	23.37	9.69	33.06	46.00	-12.94	AVG

Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.



10. ANTENNA REQUIREMENT

REQUIREMENT

Please refer to FCC part 15.203

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.

Please refer to FCC part 15.407(a)

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DESCRIPTION

Pass



11. TEST DATA

11.1. APPENDIX A: EMISSION BANDWIDTH

11.1.1. Test Result

Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Verdict
11AX20MIMO	Ant5	6115	22.280	6103.920	6126.200	PASS
	Ant6	6115	22.440	6103.800	6126.240	PASS
	Ant7	6115	22.200	6104.000	6126.200	PASS
	Ant8	6115	22.280	6103.800	6126.080	PASS
	Ant5	6275	22.240	6263.880	6286.120	PASS
	Ant6	6275	21.960	6264.000	6285.960	PASS
	Ant7	6275	22.320	6263.960	6286.280	PASS
	Ant8	6275	22.440	6263.760	6286.200	PASS
	Ant5	6415	22.080	6403.840	6425.920	PASS
	Ant6	6415	22.680	6403.400	6426.080	PASS
	Ant7	6415	22.000	6403.960	6425.960	PASS
	Ant8	6415	22.560	6403.600	6426.160	PASS
	Ant5	6435	22.440	6423.520	6445.960	PASS
	Ant6	6435	22.600	6423.680	6446.280	PASS
	Ant7	6435	22.320	6423.960	6446.280	PASS
	Ant8	6435	22.840	6423.720	6446.560	PASS
	Ant5	6475	22.080	6464.160	6486.240	PASS
	Ant6	6475	21.800	6464.120	6485.920	PASS
	Ant7	6475	22.320	6463.920	6486.240	PASS
	Ant8	6475	22.240	6463.800	6486.040	PASS
	Ant5	6515	21.960	6503.960	6525.920	PASS
	Ant6	6515	22.360	6503.840	6526.200	PASS
	Ant7	6515	22.360	6503.760	6526.120	PASS
	Ant8	6515	22.440	6503.800	6526.240	PASS
	Ant5	6535	21.720	6524.320	6546.040	PASS
	Ant6	6535	21.760	6524.160	6545.920	PASS
	Ant7	6535	22.480	6523.640	6546.120	PASS
	Ant8	6535	22.520	6523.720	6546.240	PASS
	Ant5	6715	22.120	6704.080	6726.200	PASS
	Ant6	6715	22.400	6703.840	6726.240	PASS
	Ant7	6715	22.160	6704.000	6726.160	PASS
	Ant8	6715	22.600	6703.520	6726.120	PASS
	Ant5	6875	22.200	6863.680	6885.880	PASS
	Ant6	6875	22.360	6863.760	6886.120	PASS
	Ant7	6875	22.520	6863.720	6886.240	PASS
	Ant8	6875	22.360	6863.760	6886.120	PASS
	Ant5	6895	22.200	6883.920	6906.120	PASS
	Ant6	6895	22.240	6883.880	6906.120	PASS
	Ant7	6895	22.560	6883.960	6906.520	PASS
	Ant8	6895	22.240	6884.040	6906.280	PASS
	Ant5	7015	22.040	7003.800	7025.840	PASS
	Ant6	7015	22.320	7003.880	7026.200	PASS
Ant7	7015	22.200	7003.920	7026.120	PASS	
Ant8	7015	22.320	7003.920	7026.240	PASS	
Ant5	7095	22.120	7083.920	7106.040	PASS	
Ant6	7095	22.320	7083.880	7106.200	PASS	
Ant7	7095	22.040	7083.880	7105.920	PASS	
Ant8	7095	22.240	7083.840	7106.080	PASS	
Ant5	7115	22.440	7103.640	7126.080	PASS	
Ant6	7115	22.000	7103.880	7125.880	PASS	
Ant7	7115	22.560	7103.720	7126.280	PASS	



11AX40MIMO	Ant8	7115	22.560	7103.560	7126.120	PASS
	Ant5	6125	44.320	6102.920	6147.240	PASS
	Ant6	6125	43.600	6103.560	6147.160	PASS
	Ant7	6125	43.760	6103.080	6146.840	PASS
	Ant8	6125	43.520	6103.480	6147.000	PASS
	Ant5	6285	47.920	6263.160	6311.080	PASS
	Ant6	6285	47.520	6263.000	6310.520	PASS
	Ant7	6285	48.320	6263.320	6311.640	PASS
	Ant8	6285	43.840	6262.680	6306.520	PASS
	Ant5	6405	42.160	6383.880	6426.040	PASS
	Ant6	6405	43.280	6383.240	6426.520	PASS
	Ant7	6405	42.880	6383.560	6426.440	PASS
	Ant8	6405	43.120	6383.560	6426.680	PASS
	Ant5	6445	43.120	6423.720	6466.840	PASS
	Ant6	6445	42.560	6423.720	6466.280	PASS
	Ant7	6445	42.480	6423.800	6466.280	PASS
	Ant8	6445	43.200	6423.240	6466.440	PASS
	Ant5	6485	43.200	6463.080	6506.280	PASS
	Ant6	6485	43.280	6463.400	6506.680	PASS
	Ant7	6485	43.600	6463.240	6506.840	PASS
	Ant8	6485	43.600	6463.080	6506.680	PASS
	Ant5	6525	43.680	6503.320	6547.000	PASS
	Ant6	6525	42.960	6503.560	6546.520	PASS
	Ant7	6525	42.800	6503.400	6546.200	PASS
	Ant8	6525	44.000	6503.000	6547.000	PASS
	Ant5	6725	43.280	6703.240	6746.520	PASS
	Ant6	6725	43.360	6703.320	6746.680	PASS
	Ant7	6725	43.360	6703.320	6746.680	PASS
	Ant8	6725	43.600	6703.080	6746.680	PASS
	Ant5	6845	43.440	6822.840	6866.280	PASS
	Ant6	6845	43.200	6823.320	6866.520	PASS
	Ant7	6845	42.400	6823.560	6865.960	PASS
	Ant8	6845	42.640	6823.720	6866.360	PASS
	Ant5	6885	42.880	6863.400	6906.280	PASS
	Ant6	6885	42.960	6863.160	6906.120	PASS
	Ant7	6885	43.120	6863.160	6906.280	PASS
	Ant8	6885	43.520	6863.400	6906.920	PASS
	Ant5	7005	42.480	6983.720	7026.200	PASS
	Ant6	7005	43.840	6982.680	7026.520	PASS
	Ant7	7005	43.040	6983.640	7026.680	PASS
Ant8	7005	43.200	6983.240	7026.440	PASS	
Ant5	7085	43.200	7063.560	7106.760	PASS	
Ant6	7085	42.800	7063.320	7106.120	PASS	
Ant7	7085	42.960	7063.320	7106.280	PASS	
Ant8	7085	43.040	7063.320	7106.360	PASS	
11AX80MIMO	Ant5	6145	87.200	6101.800	6189.000	PASS
	Ant6	6145	84.640	6102.760	6187.400	PASS
	Ant7	6145	86.240	6101.640	6187.880	PASS
	Ant8	6145	88.640	6100.200	6188.840	PASS
	Ant5	6225	86.400	6181.640	6268.040	PASS
		6255	84.960	6212.760	6297.720	PASS
	Ant6	6255	86.400	6211.800	6298.200	PASS
	Ant7	6255	86.880	6211.800	6298.680	PASS
	Ant8	6255	87.680	6210.680	6298.360	PASS
	Ant5	6385	86.560	6341.640	6428.200	PASS
	Ant6	6385	86.560	6341.640	6428.200	PASS
	Ant7	6385	85.760	6342.440	6428.200	PASS
	Ant8	6385	86.560	6341.320	6427.880	PASS
	Ant5	6465	84.800	6422.600	6507.400	PASS
	Ant6	6465	86.400	6421.480	6507.880	PASS
	Ant7	6465	85.760	6421.960	6507.720	PASS
	Ant8	6465	86.720	6421.320	6508.040	PASS
	Ant5	6545	87.520	6501.800	6589.320	PASS



	Ant6	6545	85.600	6502.600	6588.200	PASS
	Ant7	6545	86.240	6501.480	6587.720	PASS
	Ant8	6545	89.760	6500.040	6589.800	PASS
	Ant5	6705	85.600	6662.280	6747.880	PASS
	Ant6	6705	86.880	6660.840	6747.720	PASS
	Ant7	6705	87.520	6660.520	6748.040	PASS
	Ant8	6705	86.560	6661.640	6748.200	PASS
	Ant5	6865	85.600	6821.800	6907.400	PASS
	Ant6	6865	85.600	6821.960	6907.560	PASS
	Ant7	6865	86.400	6821.320	6907.720	PASS
	Ant8	6865	88.000	6820.360	6908.360	PASS
	Ant5	6945	86.080	6901.960	6988.040	PASS
	Ant6	6945	86.560	6901.480	6988.040	PASS
	Ant7	6945	85.280	6901.800	6987.080	PASS
	Ant8	6945	85.920	6901.800	6987.720	PASS
	Ant5	7025	85.440	6982.280	7067.720	PASS
	Ant6	7025	86.400	6981.800	7068.200	PASS
	Ant7	7025	85.920	6981.800	7067.720	PASS
Ant8	7025	87.200	6981.160	7068.360	PASS	
11AX160MIMO	Ant5	6185	172.160	6099.240	6271.400	PASS
	Ant6	6185	172.480	6099.880	6272.360	PASS
	Ant7	6185	170.880	6099.560	6270.440	PASS
	Ant8	6185	170.880	6100.520	6271.400	PASS
	Ant5	6345	170.240	6260.200	6430.440	PASS
	Ant6	6345	166.400	6261.480	6427.880	PASS
	Ant7	6345	166.720	6261.800	6428.520	PASS
	Ant8	6345	171.840	6258.280	6430.120	PASS
	Ant5	6505	168.960	6421.480	6590.440	PASS
	Ant6	6505	169.920	6420.200	6590.120	PASS
	Ant7	6505	168.000	6421.160	6589.160	PASS
	Ant8	6505	171.520	6419.880	6591.400	PASS
	Ant5	6665	168.960	6579.880	6748.840	PASS
	Ant6	6665	166.720	6581.800	6748.520	PASS
	Ant7	6665	168.960	6579.880	6748.840	PASS
	Ant8	6665	171.520	6579.560	6751.080	PASS
	Ant5	6825	168.960	6739.560	6908.520	PASS
	Ant6	6825	168.640	6739.560	6908.200	PASS
	Ant7	6825	171.520	6736.680	6908.200	PASS
	Ant8	6825	172.160	6737.960	6910.120	PASS
Ant5	6985	168.960	6901.160	7070.120	PASS	
Ant6	6985	167.040	6901.800	7068.840	PASS	
Ant7	6985	168.320	6901.480	7069.800	PASS	
Ant8	6985	172.480	6898.920	7071.400	PASS	
11BE20MIMO	Ant5	6115	21.960	6103.880	6125.840	PASS
	Ant6	6115	22.200	6104.000	6126.200	PASS
	Ant7	6115	21.880	6103.960	6125.840	PASS
	Ant8	6115	22.480	6103.960	6126.440	PASS
	Ant5	6275	21.600	6264.280	6285.880	PASS
	Ant6	6275	24.080	6262.040	6286.120	PASS
	Ant7	6275	24.560	6263.600	6288.160	PASS
	Ant8	6275	22.440	6263.840	6286.280	PASS
	Ant5	6415	22.120	6403.840	6425.960	PASS
	Ant6	6415	23.720	6402.360	6426.080	PASS
	Ant7	6415	25.080	6402.040	6427.120	PASS
	Ant8	6415	23.720	6402.560	6426.280	PASS
	Ant5	6435	23.040	6422.760	6445.800	PASS
	Ant6	6435	25.800	6421.960	6447.760	PASS
	Ant7	6435	25.480	6421.920	6447.400	PASS
	Ant8	6435	23.920	6422.720	6446.640	PASS
	Ant5	6475	21.880	6464.120	6486.000	PASS
	Ant6	6475	25.680	6462.360	6488.040	PASS
	Ant7	6475	22.000	6464.040	6486.040	PASS
	Ant8	6475	21.840	6463.920	6485.760	PASS



	Ant5	6515	23.480	6502.560	6526.040	PASS
	Ant6	6515	23.800	6503.360	6527.160	PASS
	Ant7	6515	24.120	6503.520	6527.640	PASS
	Ant8	6515	22.120	6503.880	6526.000	PASS
	Ant5	6535	23.600	6523.040	6546.640	PASS
	Ant6	6535	23.000	6523.880	6546.880	PASS
	Ant7	6535	22.520	6523.920	6546.440	PASS
	Ant8	6535	22.160	6523.920	6546.080	PASS
	Ant5	6715	22.680	6703.520	6726.200	PASS
	Ant6	6715	23.400	6703.400	6726.800	PASS
	Ant7	6715	22.040	6703.880	6725.920	PASS
	Ant8	6715	23.080	6703.320	6726.400	PASS
	Ant5	6875	22.240	6863.720	6885.960	PASS
	Ant6	6875	21.920	6864.000	6885.920	PASS
	Ant7	6875	21.760	6864.040	6885.800	PASS
	Ant8	6875	22.000	6864.080	6886.080	PASS
	Ant5	6895	21.920	6884.080	6906.000	PASS
	Ant6	6895	22.840	6883.960	6906.800	PASS
	Ant7	6895	22.520	6883.720	6906.240	PASS
	Ant8	6895	22.560	6883.680	6906.240	PASS
	Ant5	7015	21.760	7003.960	7025.720	PASS
	Ant6	7015	25.120	7002.280	7027.400	PASS
	Ant7	7015	25.040	7001.880	7026.920	PASS
	Ant8	7015	23.720	7003.320	7027.040	PASS
	Ant5	7095	22.040	7083.840	7105.880	PASS
	Ant6	7095	23.280	7083.080	7106.360	PASS
	Ant7	7095	24.880	7082.920	7107.800	PASS
	Ant8	7095	23.520	7083.960	7107.480	PASS
	Ant5	7115	21.720	7104.240	7125.960	PASS
	Ant6	7115	24.760	7101.960	7126.720	PASS
	Ant7	7115	26.200	7101.760	7127.960	PASS
	Ant8	7115	23.560	7103.080	7126.640	PASS
	Ant5	6125	42.640	6103.560	6146.200	PASS
	Ant6	6125	43.600	6103.160	6146.760	PASS
	Ant7	6125	43.200	6103.480	6146.680	PASS
	Ant8	6125	44.080	6103.080	6147.160	PASS
	Ant5	6285	43.040	6263.320	6306.360	PASS
	Ant6	6285	42.960	6263.640	6306.600	PASS
	Ant7	6285	42.800	6263.640	6306.440	PASS
	Ant8	6285	43.040	6263.880	6306.920	PASS
	Ant5	6405	42.960	6383.400	6426.360	PASS
	Ant6	6405	43.120	6383.240	6426.360	PASS
	Ant7	6405	43.280	6383.240	6426.520	PASS
	Ant8	6405	43.360	6383.080	6426.440	PASS
	Ant5	6445	42.720	6423.560	6466.280	PASS
	Ant6	6445	42.960	6423.240	6466.200	PASS
	Ant7	6445	43.200	6423.480	6466.680	PASS
	Ant8	6445	43.040	6423.560	6466.600	PASS
	Ant5	6485	46.160	6463.720	6509.880	PASS
	Ant6	6485	43.200	6463.400	6506.600	PASS
	Ant7	6485	43.280	6463.080	6506.360	PASS
	Ant8	6485	43.360	6463.240	6506.600	PASS
	Ant5	6525	44.400	6502.920	6547.320	PASS
	Ant6	6525	42.720	6503.560	6546.280	PASS
	Ant7	6525	43.040	6503.640	6546.680	PASS
	Ant8	6525	43.520	6503.240	6546.760	PASS
	Ant5	6725	43.280	6702.920	6746.200	PASS
	Ant6	6725	43.840	6702.680	6746.520	PASS
	Ant7	6725	43.680	6703.240	6746.920	PASS
	Ant8	6725	42.720	6703.560	6746.280	PASS
	Ant5	6845	42.960	6823.480	6866.440	PASS
	Ant6	6845	42.800	6823.240	6866.040	PASS
	Ant7	6845	42.560	6823.480	6866.040	PASS
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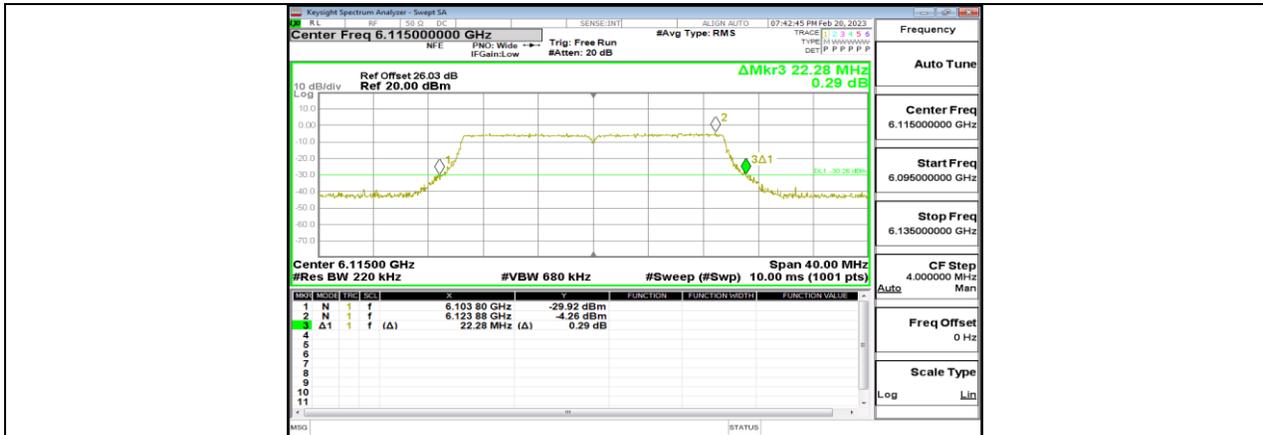
	Ant8	6845	44.000	6823.080	6867.080	PASS
	Ant5	6885	43.200	6863.000	6906.200	PASS
	Ant6	6885	47.360	6859.640	6907.000	PASS
	Ant7	6885	42.400	6863.880	6906.280	PASS
	Ant8	6885	43.440	6863.240	6906.680	PASS
	Ant5	7005	42.640	6984.120	7026.760	PASS
	Ant6	7005	43.440	6983.480	7026.920	PASS
	Ant7	7005	43.120	6983.160	7026.280	PASS
	Ant8	7005	43.520	6983.240	7026.760	PASS
	Ant5	7085	43.760	7063.080	7106.840	PASS
	Ant6	7085	43.040	7063.320	7106.360	PASS
	Ant7	7085	42.960	7063.400	7106.360	PASS
	Ant8	7085	42.400	7063.640	7106.040	PASS
	Ant5	6145	85.440	6102.120	6187.560	PASS
	Ant6	6145	85.920	6101.960	6187.880	PASS
	Ant7	6145	87.200	6100.520	6187.720	PASS
	Ant8	6145	84.960	6102.760	6187.720	PASS
	Ant5	6225	86.880	6181.320	6268.200	PASS
	Ant6	6225	85.280	6182.760	6268.040	PASS
	Ant7	6225	87.360	6181.640	6269.000	PASS
	Ant8	6225	86.720	6181.800	6268.520	PASS
	Ant5	6385	85.760	6341.320	6427.080	PASS
	Ant6	6385	86.240	6342.600	6428.840	PASS
	Ant7	6385	86.880	6340.680	6427.560	PASS
	Ant8	6385	85.120	6341.800	6426.920	PASS
	Ant5	6465	86.560	6421.640	6508.200	PASS
	Ant6	6465	84.800	6421.960	6506.760	PASS
	Ant7	6465	85.920	6421.640	6507.560	PASS
	Ant8	6465	86.240	6421.640	6507.880	PASS
	Ant5	6545	86.240	6501.480	6587.720	PASS
	Ant6	6545	87.040	6501.800	6588.840	PASS
	Ant7	6545	86.240	6501.480	6587.720	PASS
	Ant8	6545	86.400	6502.440	6588.840	PASS
	Ant5	6705	86.240	6661.320	6747.560	PASS
	Ant6	6705	86.400	6661.640	6748.040	PASS
	Ant7	6705	86.080	6662.280	6748.360	PASS
	Ant8	6705	84.640	6662.120	6746.760	PASS
	Ant5	6865	85.600	6821.800	6907.400	PASS
	Ant6	6865	84.960	6822.120	6907.080	PASS
	Ant7	6865	87.520	6821.160	6908.680	PASS
	Ant8	6865	86.240	6822.440	6908.680	PASS
	Ant5	6945	85.120	6902.440	6987.560	PASS
	Ant6	6945	84.480	6903.080	6987.560	PASS
	Ant7	6945	85.280	6902.600	6987.880	PASS
	Ant8	6945	86.240	6902.120	6988.360	PASS
	Ant5	7025	85.760	6982.280	7068.040	PASS
	Ant6	7025	85.920	6982.280	7068.200	PASS
	Ant7	7025	88.480	6980.040	7068.520	PASS
	Ant8	7025	85.440	6982.280	7067.720	PASS
	Ant5	6185	169.920	6099.560	6269.480	PASS
	Ant6	6185	170.240	6100.840	6271.080	PASS
	Ant7	6185	170.560	6100.200	6270.760	PASS
	Ant8	6185	171.840	6100.200	6272.040	PASS
	Ant5	6345	168.000	6261.160	6429.160	PASS
	Ant6	6345	167.680	6261.160	6428.840	PASS
	Ant7	6345	170.560	6258.920	6429.480	PASS
	Ant8	6345	168.960	6259.240	6428.200	PASS
	Ant5	6505	169.280	6419.560	6588.840	PASS
	Ant6	6505	169.600	6420.840	6590.440	PASS
	Ant7	6505	170.240	6420.520	6590.760	PASS
	Ant8	6505	170.240	6420.840	6591.080	PASS
	Ant5	6665	168.640	6580.200	6748.840	PASS
	Ant6	6665	168.000	6580.520	6748.520	PASS



	Ant7	6665	174.080	6578.600	6752.680	PASS
	Ant8	6665	169.600	6580.200	6749.800	PASS
	Ant5	6825	169.920	6739.240	6909.160	PASS
	Ant6	6825	169.920	6738.920	6908.840	PASS
	Ant7	6825	171.520	6738.920	6910.440	PASS
	Ant8	6825	172.480	6738.600	6911.080	PASS
	Ant5	6985	167.680	6901.480	7069.160	PASS
	Ant6	6985	168.320	6900.840	7069.160	PASS
	Ant7	6985	171.840	6900.200	7072.040	PASS
	Ant8	6985	170.240	6901.480	7071.720	PASS
11BE320MIMO	Ant5	6265	332.800	6097.960	6430.760	PASS
	Ant6	6265	332.800	6098.600	6431.400	PASS
	Ant7	6265	330.880	6099.880	6430.760	PASS
	Ant8	6265	332.800	6097.960	6430.760	PASS
	Ant5	6585	332.800	6417.320	6750.120	PASS
	Ant6	6585	332.800	6419.880	6752.680	PASS
	Ant7	6585	330.880	6419.880	6750.760	PASS
	Ant8	6585	332.160	6417.960	6750.120	PASS
	Ant5	6905	334.720	6736.680	7071.400	PASS
	Ant6	6905	334.720	6737.960	7072.680	PASS
	Ant7	6905	334.720	6737.960	7072.680	PASS
	Ant8	6905	332.800	6736.680	7069.480	PASS

11.1.2. Test Graphs

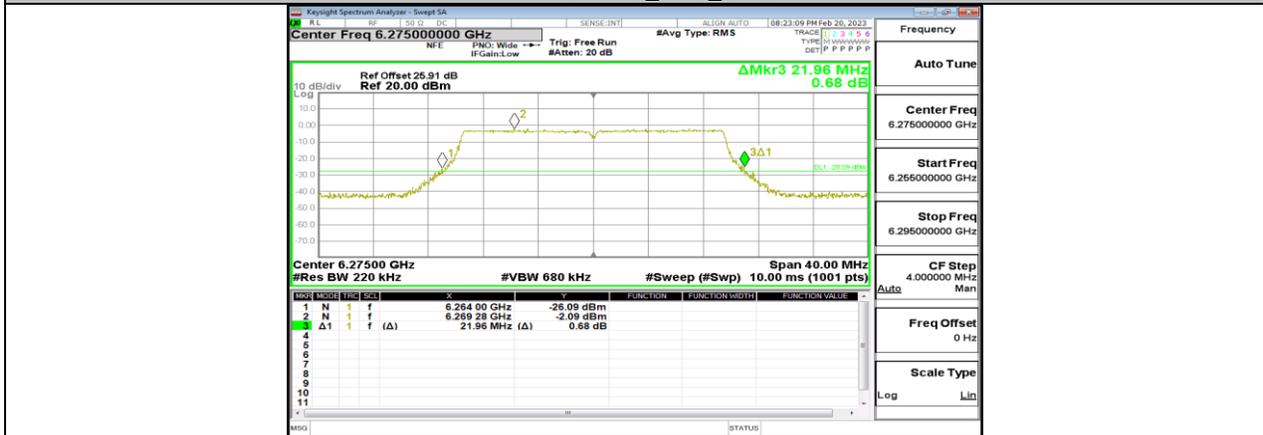




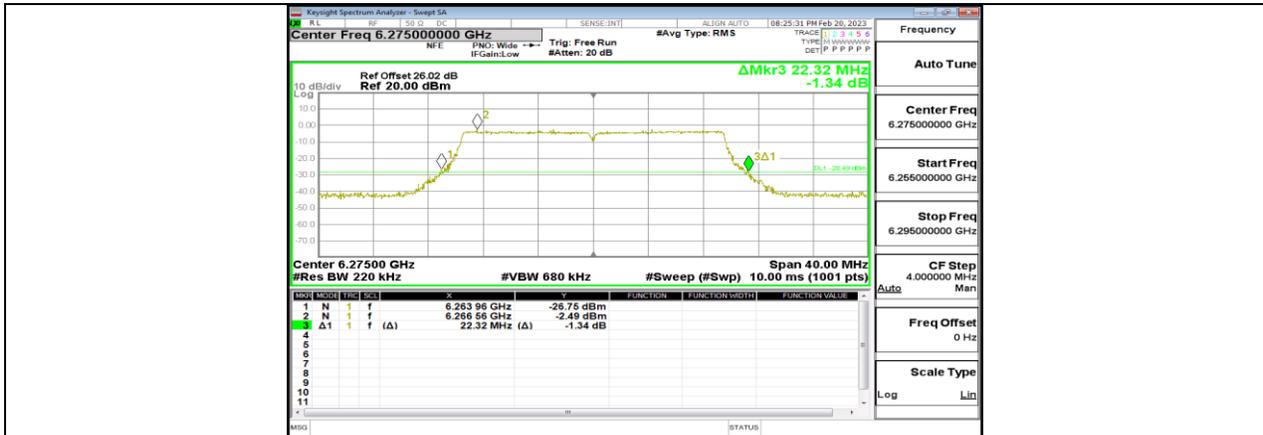
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11AX20MIMO_Ant5_6275



11AX20MIMO_Ant6_6275



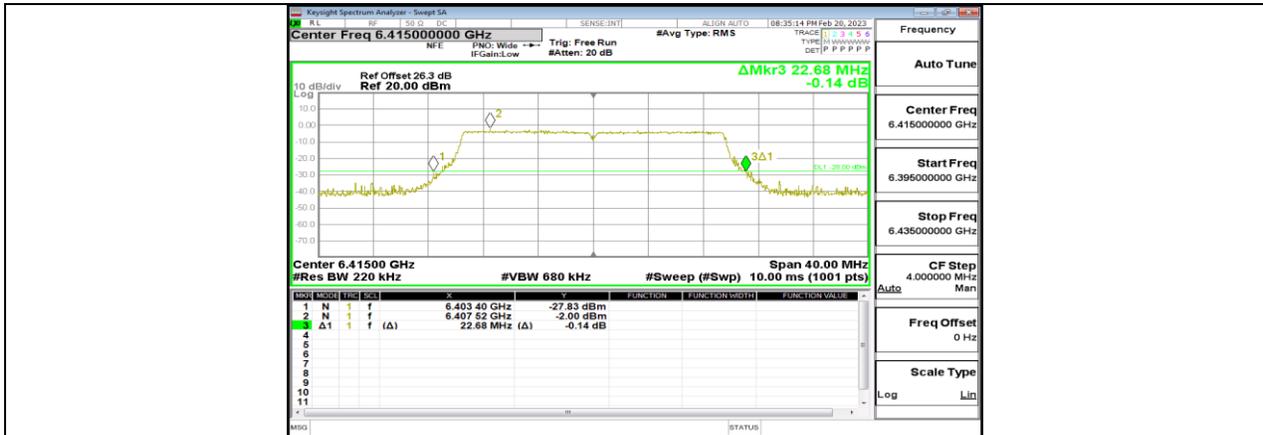
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11AX20MIMO_Ant8_6275



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11AX20MIMO_Ant6_6415



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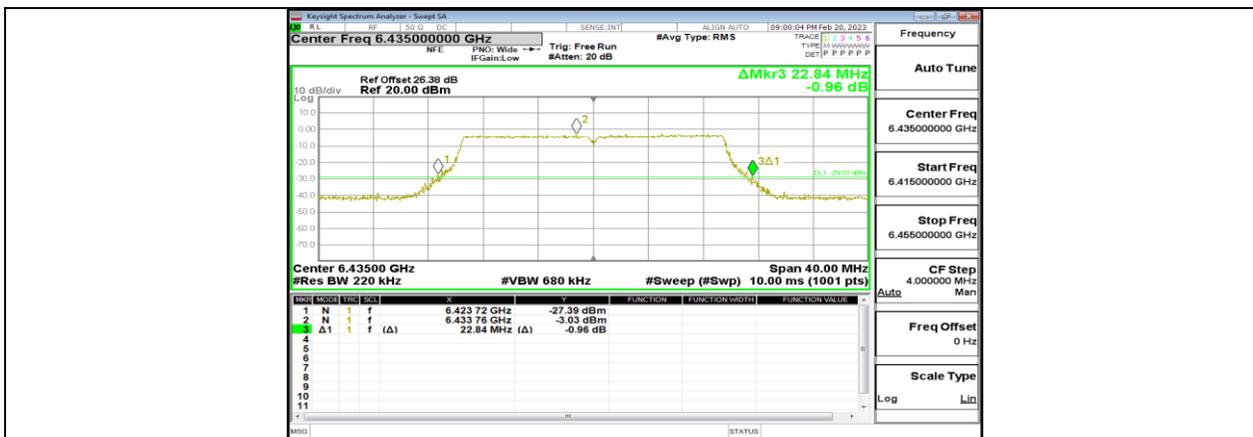
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11AX20MIMO_Ant5_6475



11AX20MIMO_Ant6_6475



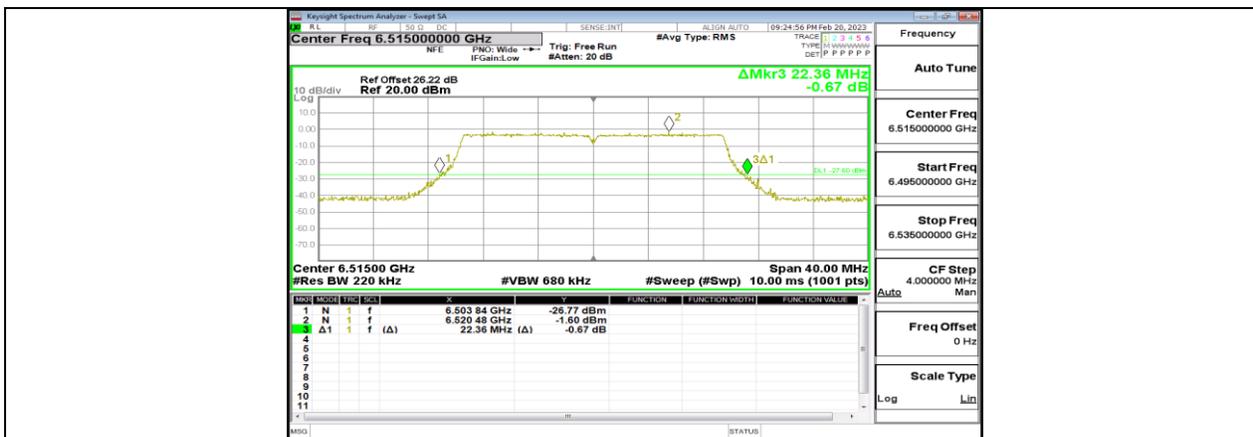
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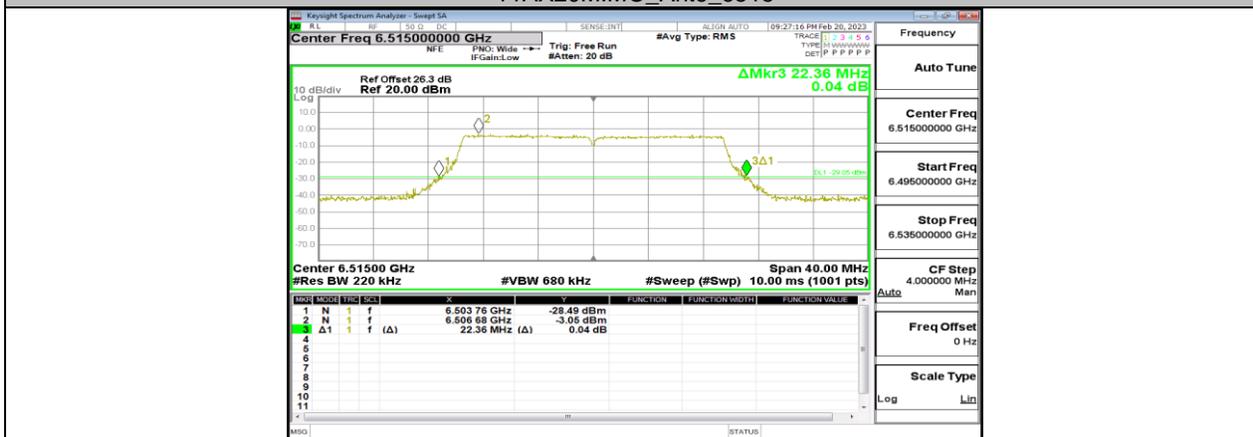
11AX20MIMO_Ant8_6475



11AX20MIMO_Ant5_6515



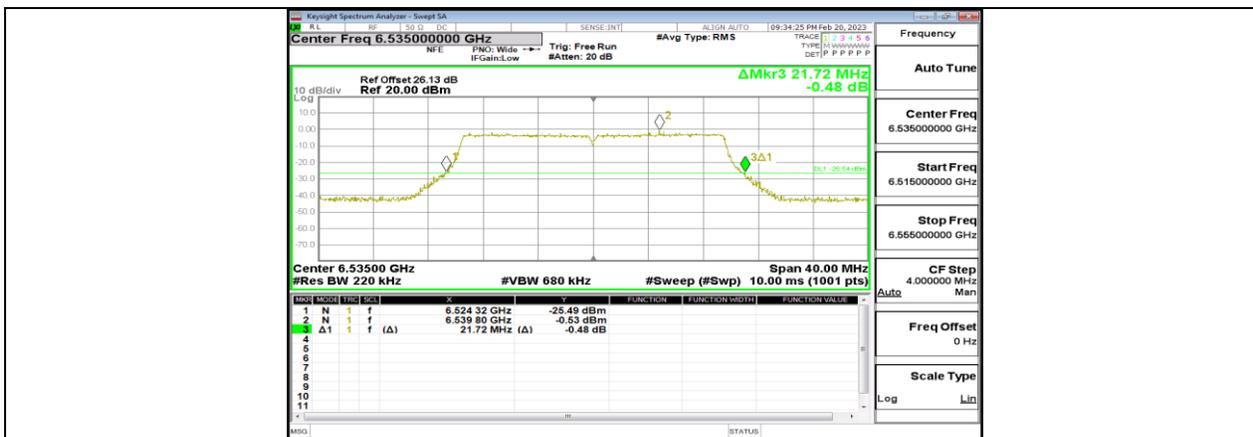
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11AX20MIMO_Ant7_6515



11AX20MIMO_Ant8_6515



11AX20MIMO_Ant5_6535

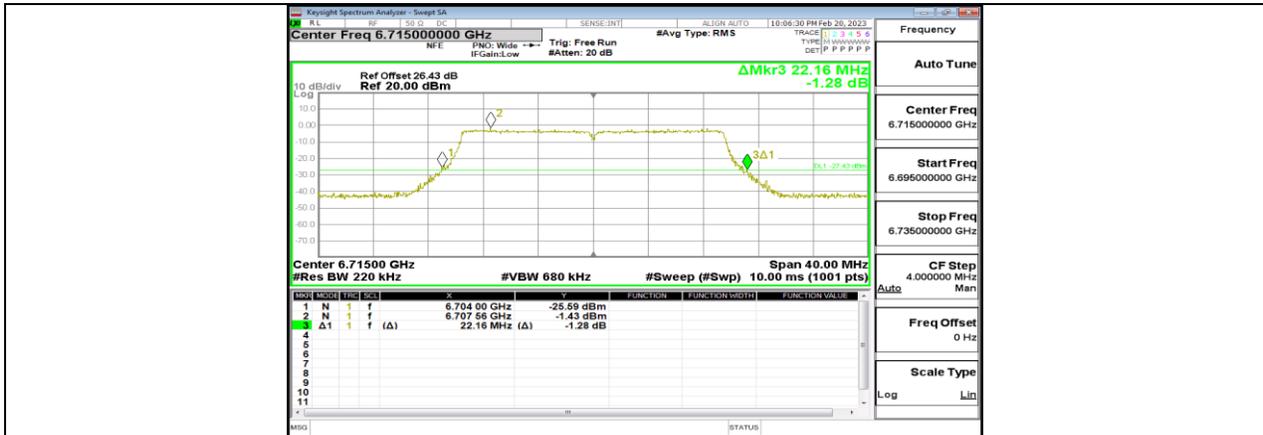


11AX20MIMO_Ant6_6535



11AX20MIMO_Ant7_6535





11AX20MIMO_Ant7_6715



11AX20MIMO_Ant8_6715



11AX20MIMO_Ant5_6875



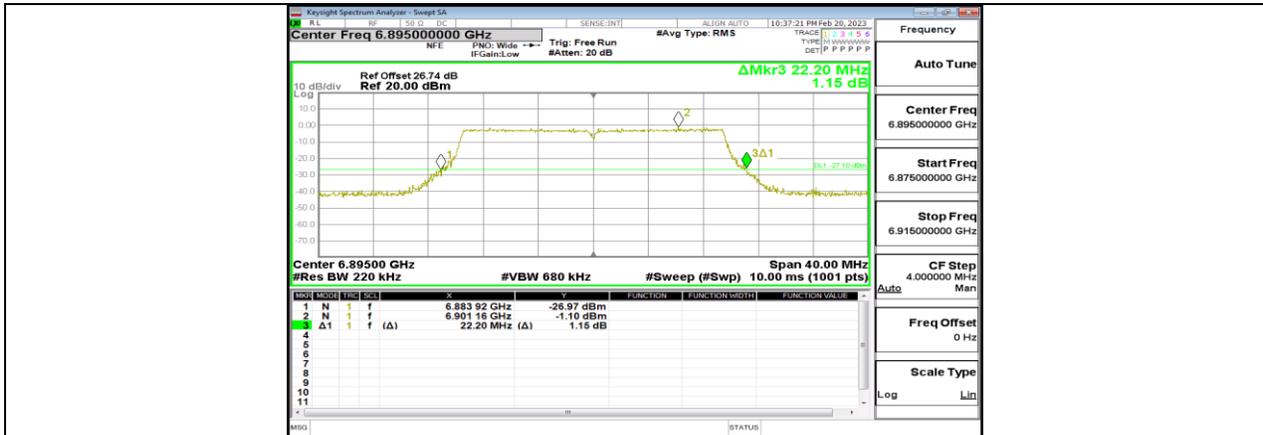
11AX20MIMO_Ant6_6875



11AX20MIMO_Ant7_6875



11AX20MIMO_Ant8_6875



11AX20MIMO_Ant5_6895



11AX20MIMO_Ant6_6895



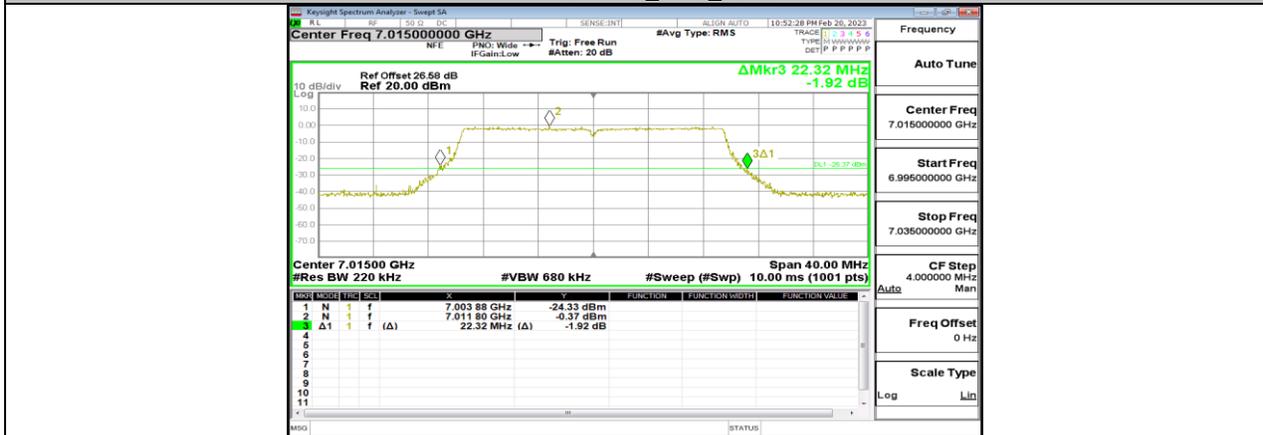
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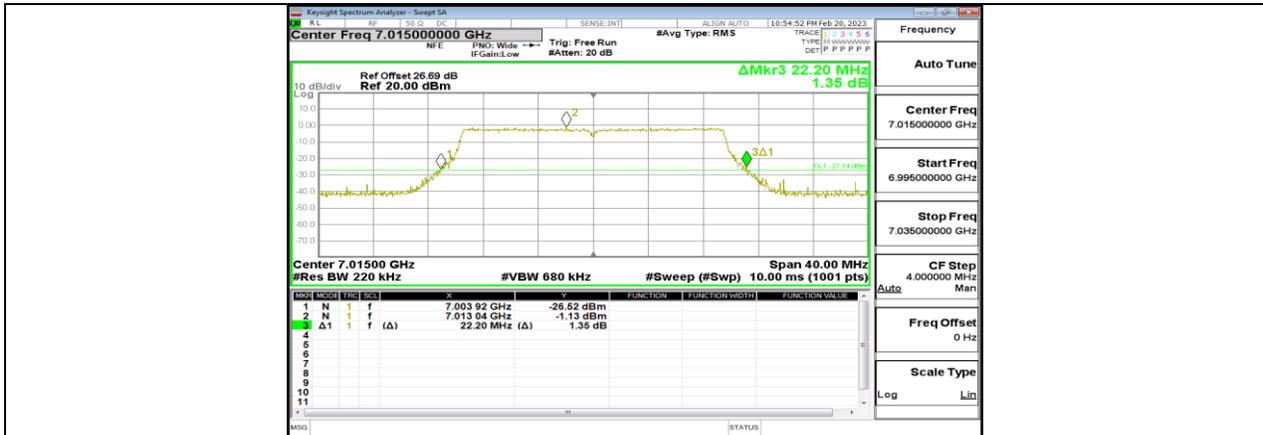
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11AX20MIMO_Ant5_7015



11AX20MIMO_Ant6_7015



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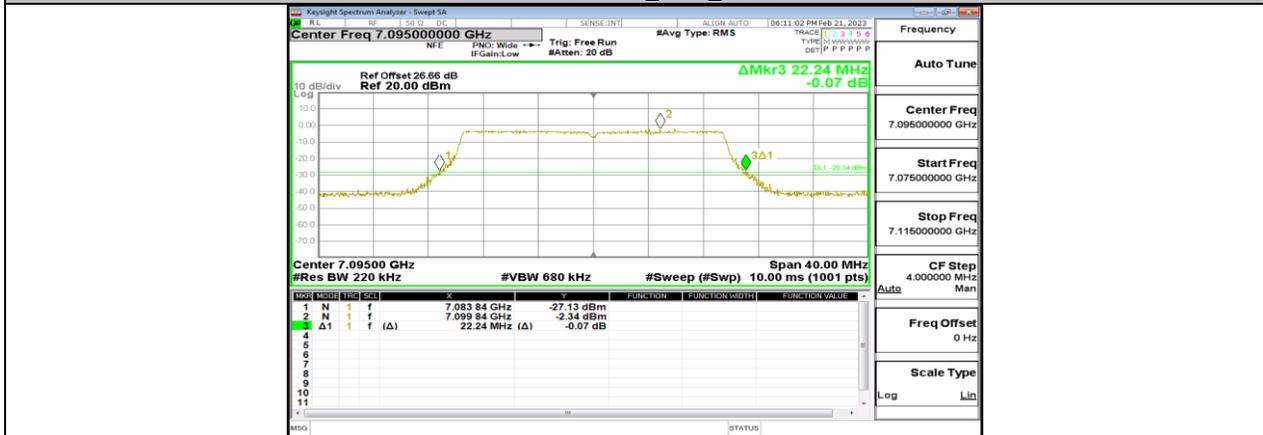
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11AX20MIMO_Ant6_7095



11AX20MIMO_Ant7_7095



11AX20MIMO_Ant8_7095



11AX20MIMO_Ant5_7115



11AX20MIMO_Ant6_7115



11AX20MIMO_Ant7_7115