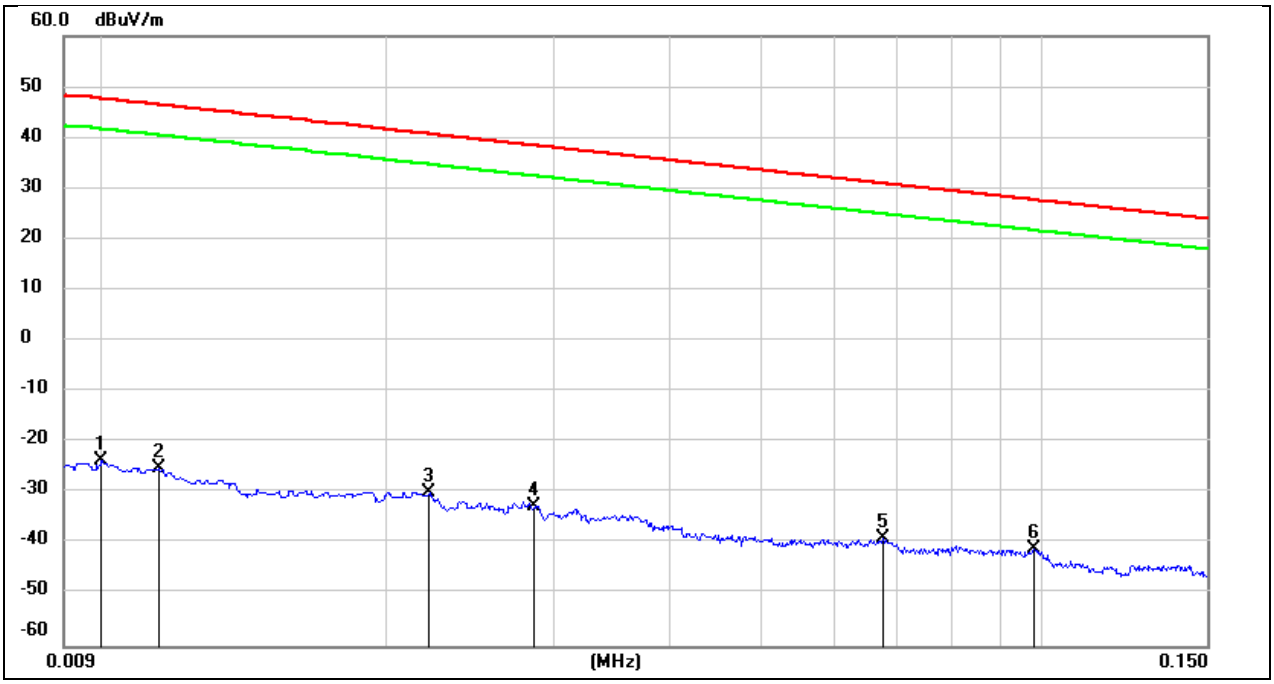
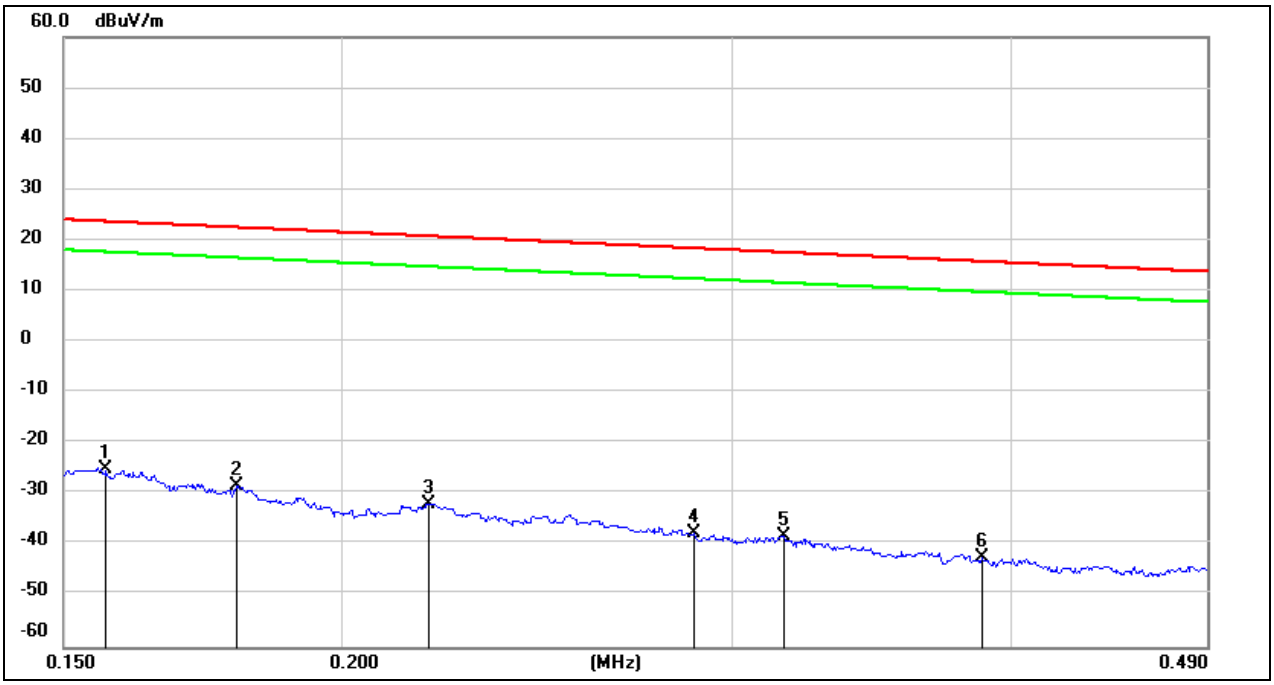
8.4. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

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



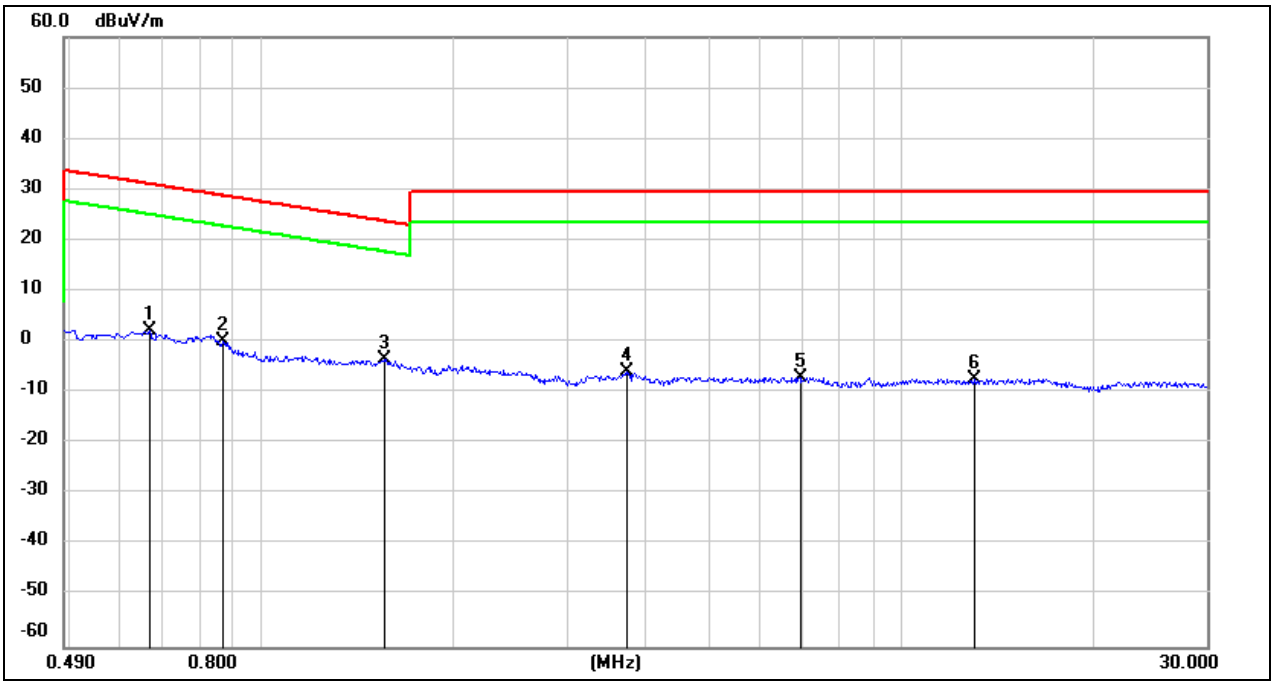
No.	Frequency	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.0100	77.72	-101.40	-23.68	47.60	-75.18	-3.90	-71.28	peak
2	0.0114	76.38	-101.40	-25.02	46.46	-76.52	-5.04	-71.48	peak
3	0.0221	71.63	-101.35	-29.72	40.71	-81.22	-10.79	-70.43	peak
4	0.0286	68.96	-101.38	-32.42	38.47	-83.92	-13.03	-70.89	peak
5	0.0675	62.64	-101.56	-38.92	31.02	-90.42	-20.48	-69.94	peak
6	0.0981	60.77	-101.78	-41.01	27.77	-92.51	-23.73	-68.78	peak

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



No.	Frequency	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.1567	76.45	-101.65	-25.20	23.70	-76.70	-27.80	-48.90	peak
2	0.1794	73.27	-101.68	-28.41	22.53	-79.91	-28.97	-50.94	peak
3	0.2190	69.77	-101.75	-31.98	20.79	-83.48	-30.71	-52.77	peak
4	0.2878	64.22	-101.85	-37.63	18.42	-89.13	-33.08	-56.05	peak
5	0.3163	63.70	-101.87	-38.17	17.60	-89.67	-33.90	-55.77	peak
6	0.3881	59.40	-101.95	-42.55	15.82	-94.05	-35.68	-58.37	peak

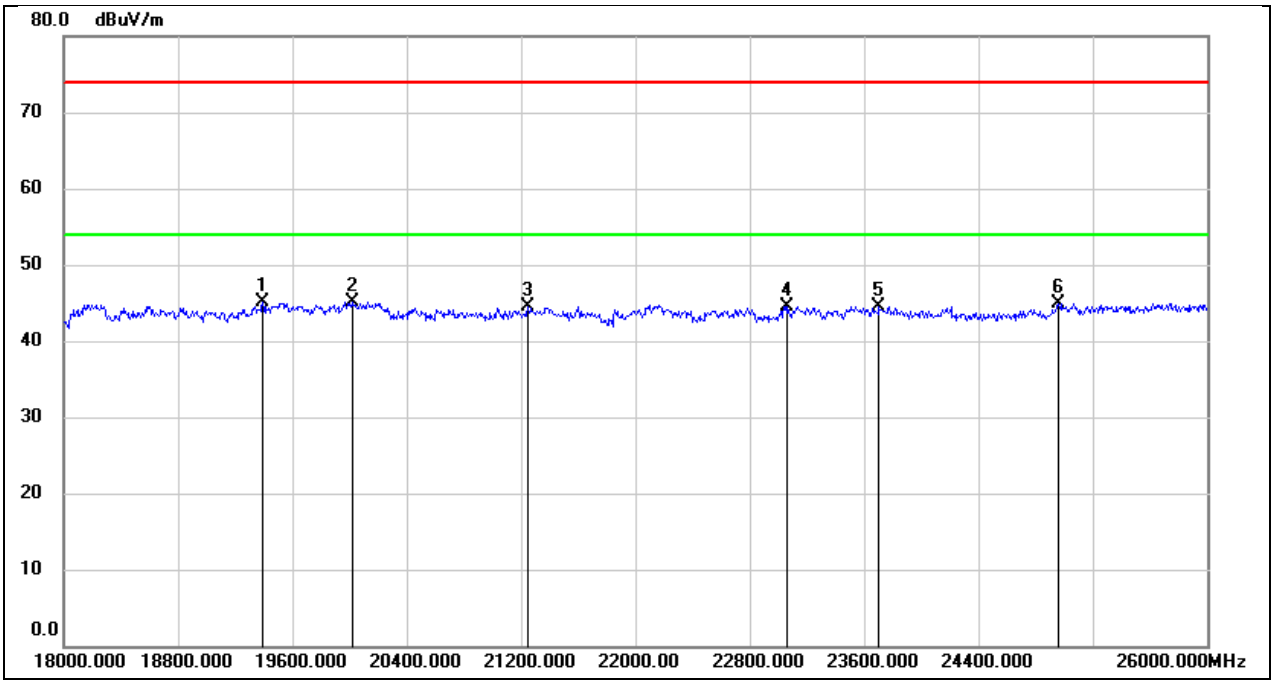
Test Mode:	802.11ax HE20	Channel:	6115
Polarity:	FACE ON	Test Voltage:	DC 12 V



No.	Frequency	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.6671	64.25	-62.10	2.15	31.12	-49.35	-20.38	-28.97	peak
2	0.8679	62.35	-62.18	0.17	28.83	-51.33	-22.67	-28.66	peak
3	1.5564	58.68	-62.02	-3.34	23.76	-54.84	-27.74	-27.10	peak
4	3.7100	55.70	-61.41	-5.71	29.54	-57.21	-21.96	-35.25	peak
5	6.9527	54.32	-61.22	-6.90	29.54	-58.40	-21.96	-36.44	peak
6	12.9725	53.49	-60.93	-7.44	29.54	-58.94	-21.96	-36.98	peak

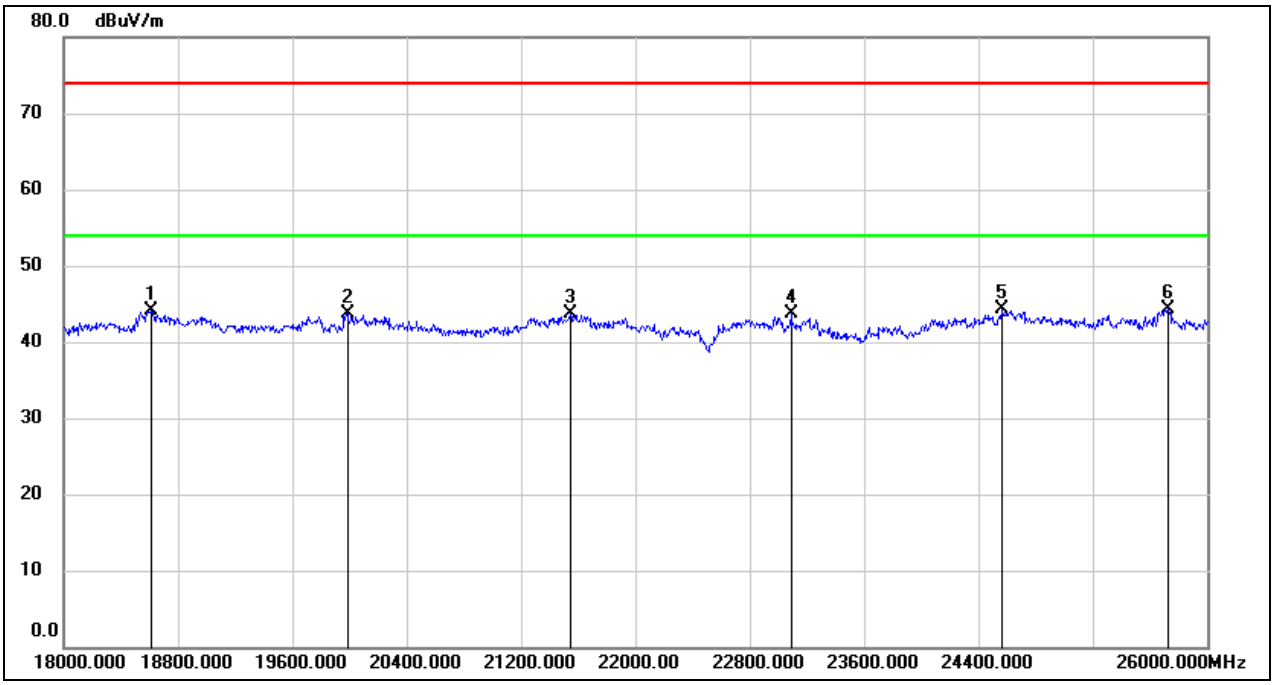
8.5. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

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	19392.000	50.62	-5.57	45.05	74.00	-28.95	peak
2	20016.000	50.56	-5.47	45.09	74.00	-28.91	peak
3	21248.000	49.29	-4.77	44.52	74.00	-29.48	peak
4	23064.000	47.99	-3.42	44.57	74.00	-29.43	peak
5	23704.000	47.61	-3.19	44.42	74.00	-29.58	peak
6	24960.000	47.14	-2.14	45.00	74.00	-29.00	peak

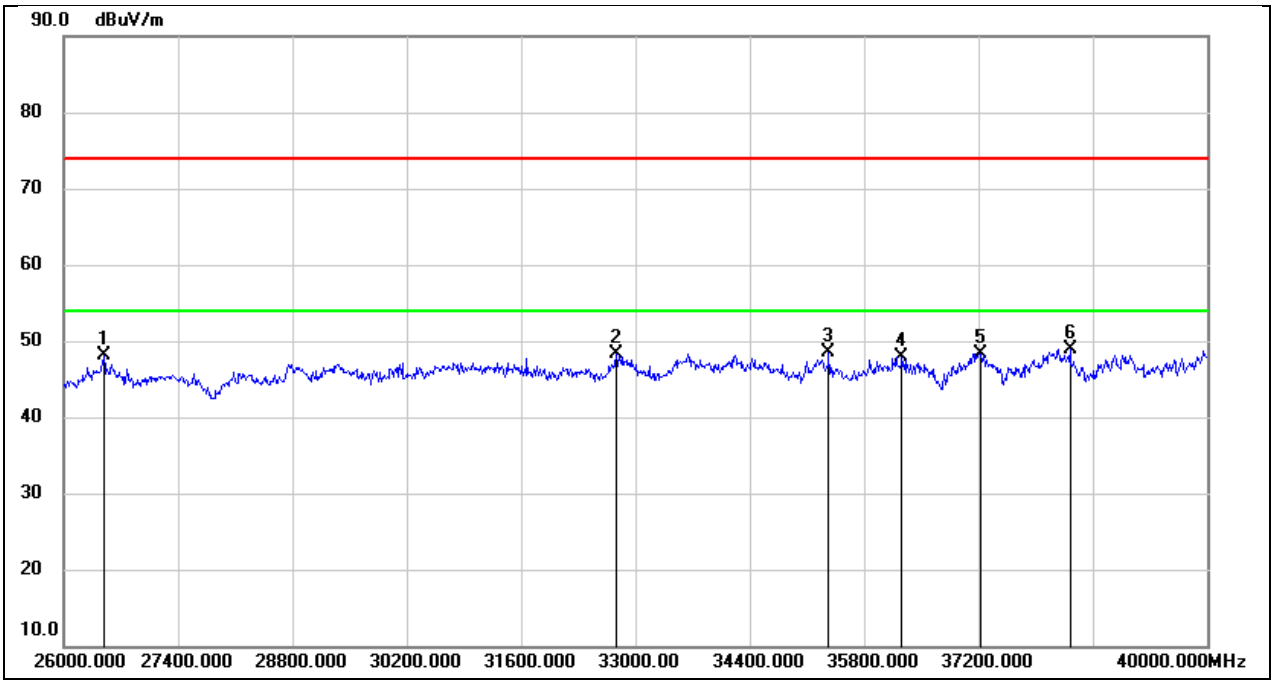
Test Mode:	802.11ax HE20	Channel:	6115
Polarity:	Vertical	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18616.000	49.39	-5.34	44.05	74.00	-29.95	peak
2	19984.000	49.21	-5.44	43.77	74.00	-30.23	peak
3	21544.000	48.26	-4.63	43.63	74.00	-30.37	peak
4	23088.000	47.02	-3.41	43.61	74.00	-30.39	peak
5	24568.000	46.60	-2.33	44.27	74.00	-29.73	peak
6	25728.000	45.11	-0.72	44.39	74.00	-29.61	peak

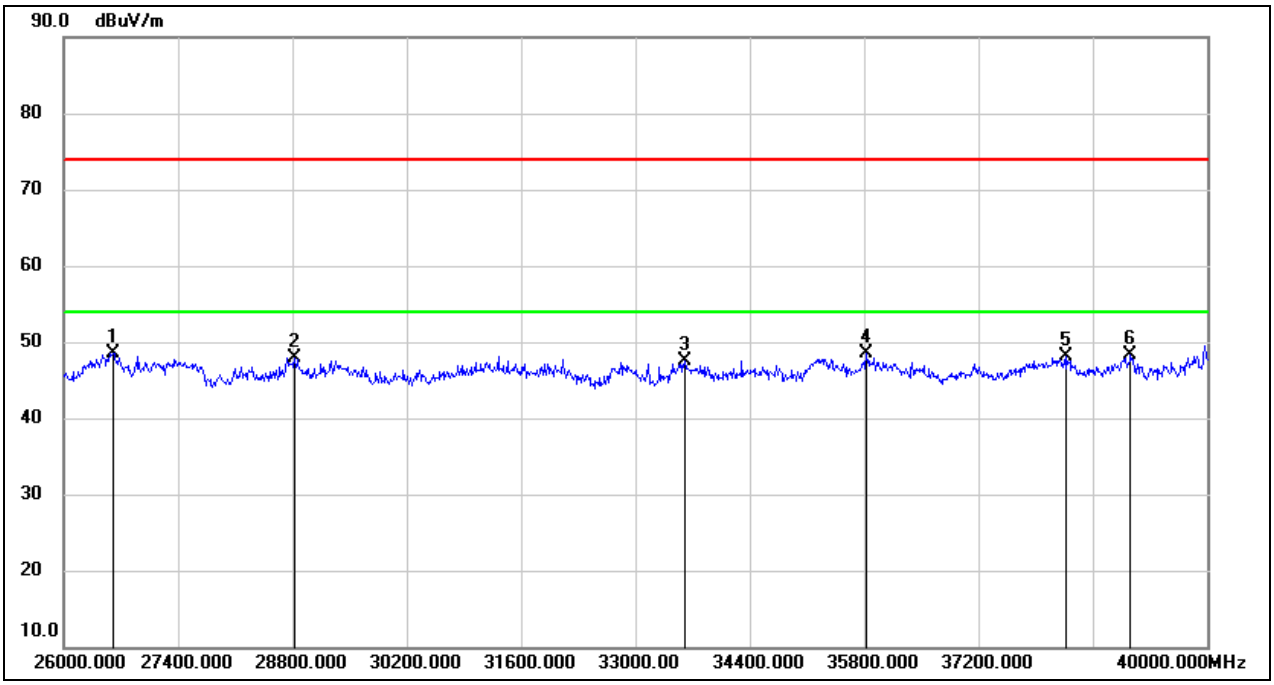
8.6. SPURIOUS EMISSIONS(26 GHZ~40 GHZ)

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	26490.000	52.79	-4.74	48.05	74.00	-25.95	peak
2	32762.000	49.45	-1.21	48.24	74.00	-25.76	peak
3	35366.000	45.90	2.59	48.49	74.00	-25.51	peak
4	36262.000	44.60	3.28	47.88	74.00	-26.12	peak
5	37228.000	45.23	3.14	48.37	74.00	-25.63	peak
6	38320.000	45.06	3.77	48.83	74.00	-25.17	peak

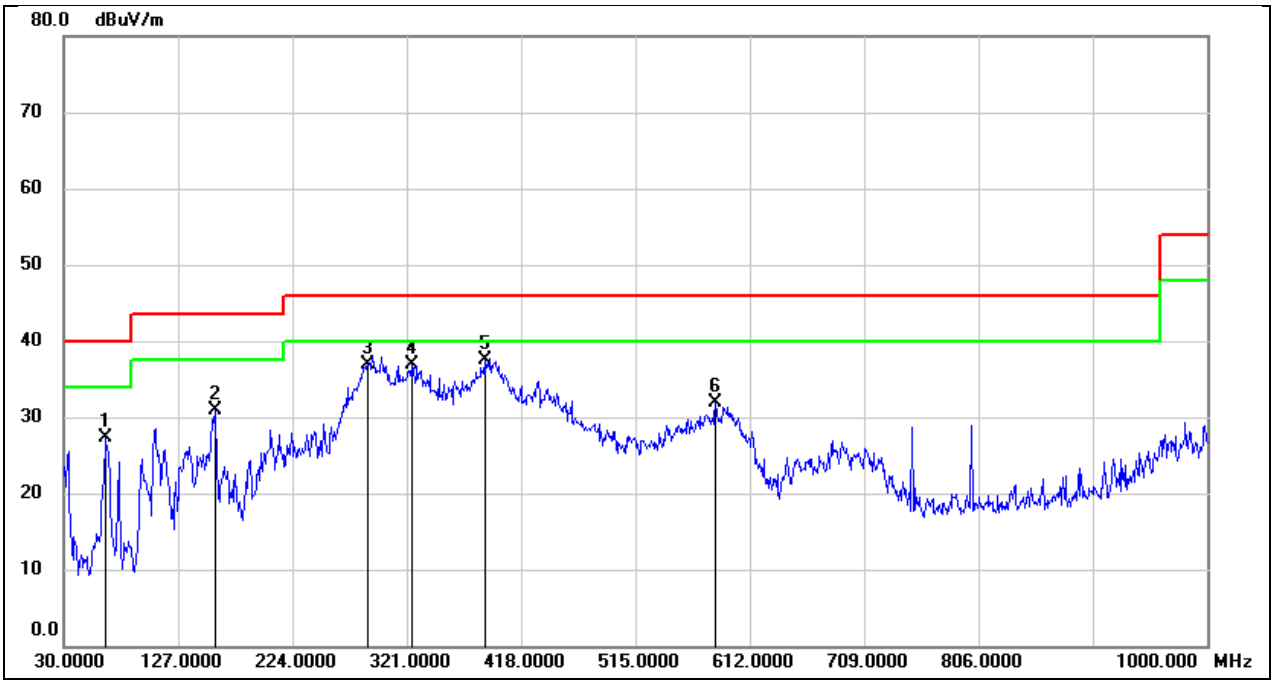
Test Mode:	802.11ax HE20	Channel:	6115
Polarity:	Vertical	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	26602.000	53.28	-4.80	48.48	74.00	-25.52	peak
2	28828.000	48.63	-0.79	47.84	74.00	-26.16	peak
3	33602.000	47.01	0.46	47.47	74.00	-26.53	peak
4	35828.000	44.75	3.67	48.42	74.00	-25.58	peak
5	38278.000	44.32	3.82	48.14	74.00	-25.86	peak
6	39062.000	43.98	4.30	48.28	74.00	-25.72	peak

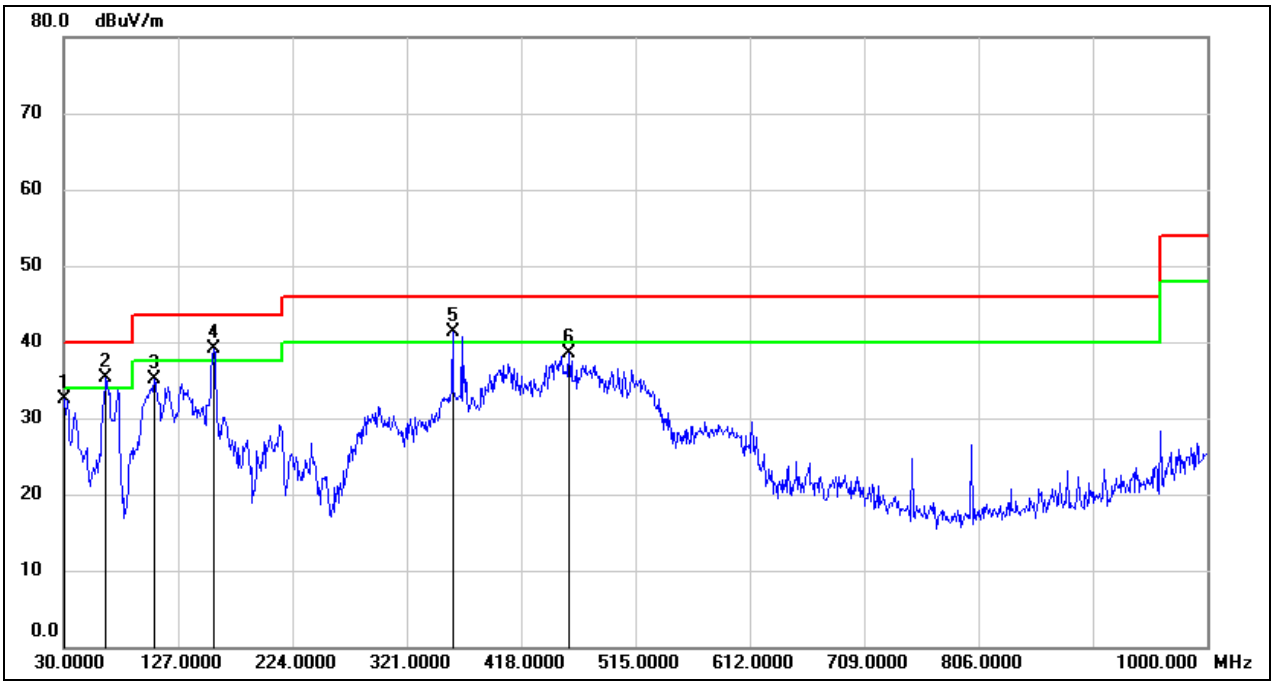
8.7. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

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	64.9200	47.89	-20.54	27.35	40.00	-12.65	QP
2	158.0399	48.68	-17.85	30.83	43.50	-12.67	QP
3	288.0200	53.02	-16.06	36.96	46.00	-9.04	QP
4	324.8800	51.66	-14.73	36.93	46.00	-9.07	QP
5	386.9600	50.95	-13.53	37.42	46.00	-8.58	QP
6	582.9000	41.86	-9.94	31.92	46.00	-14.08	QP

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

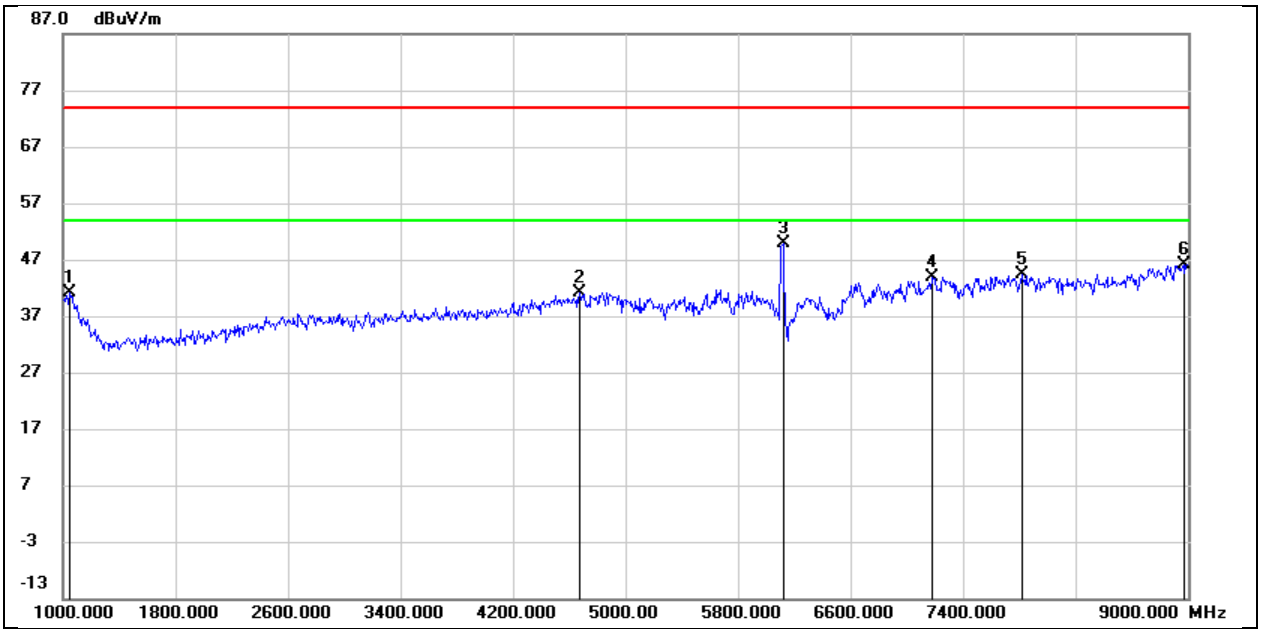


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.9700	51.63	-19.04	32.59	40.00	-7.41	QP
2	65.8900	55.82	-20.55	35.27	40.00	-4.73	QP
3	106.6300	55.70	-20.65	35.05	43.50	-8.45	QP
4	157.0700	56.99	-17.92	39.07	43.50	-4.43	QP
5	359.8000	55.37	-14.10	41.27	46.00	-4.73	QP
6	458.7400	50.73	-12.16	38.57	46.00	-7.43	QP

8.8. SIMULTANEOUSLY TRANSMISSION SPURIOUS EMISSIONS

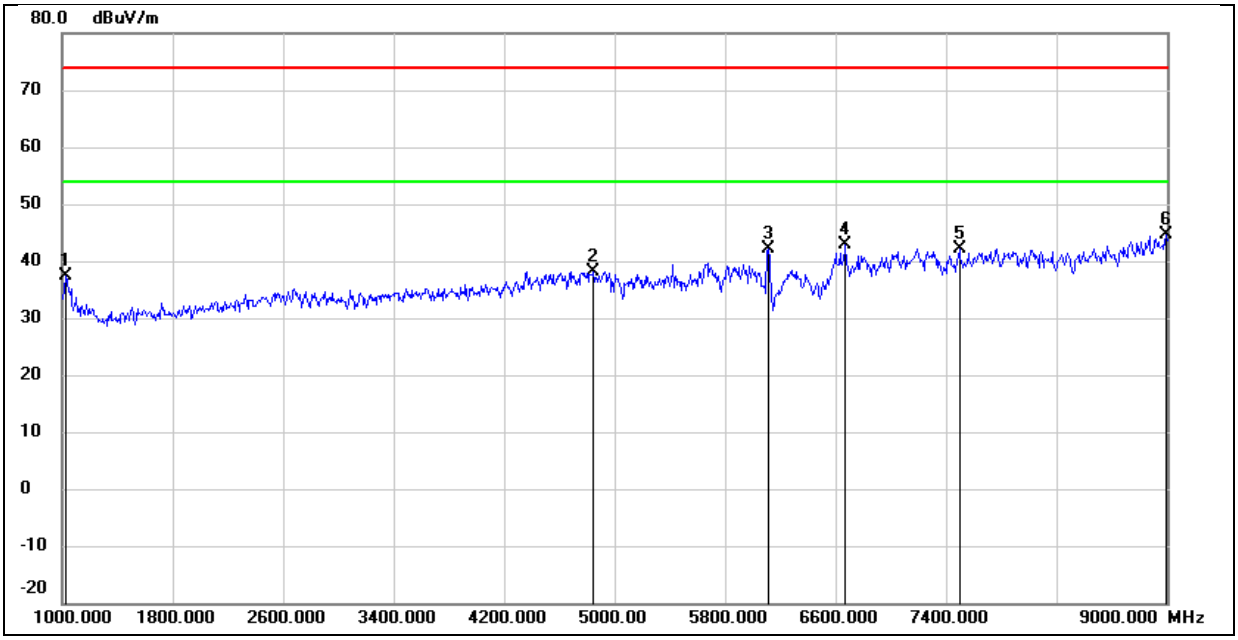
(1 GHz~18 GHz) (Worst case)

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



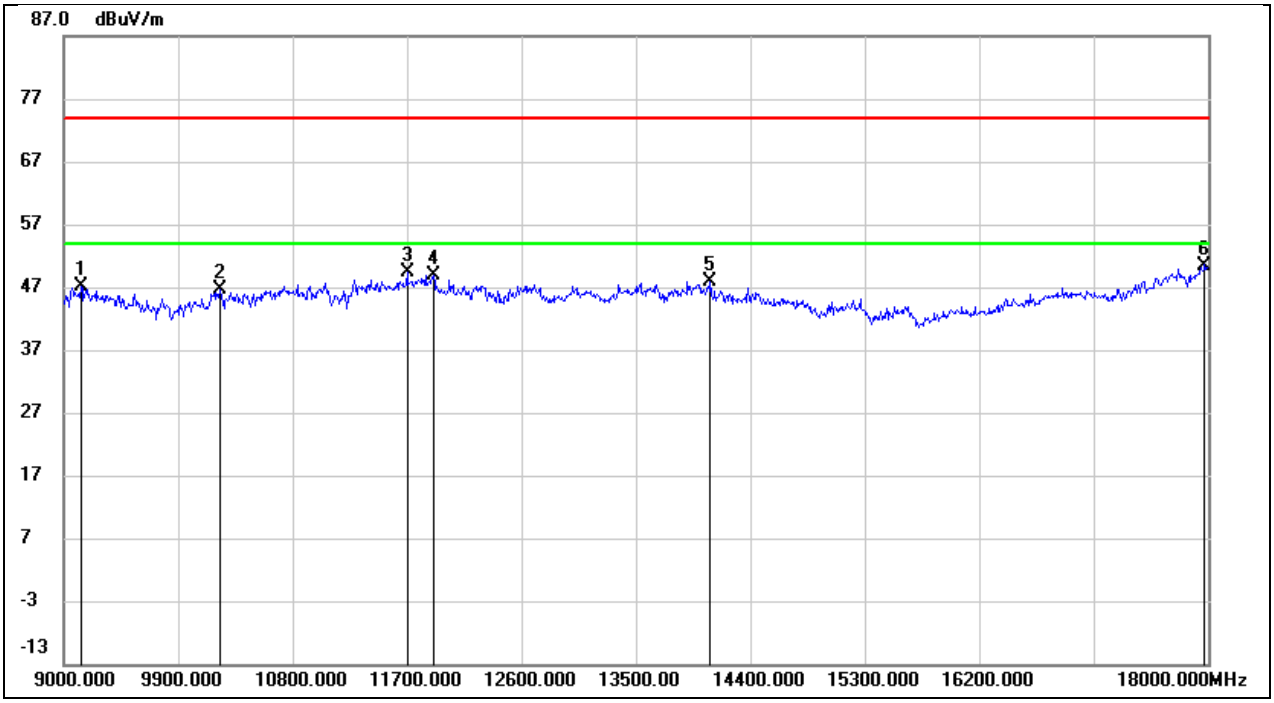
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1048.000	55.96	-14.81	41.15	74.00	-32.85	peak
2	4672.000	42.64	-1.46	41.18	74.00	-32.82	peak
3	6120.000	47.69	2.30	49.99	74.00	-24.01	peak
4	7184.000	37.97	6.01	43.98	74.00	-30.02	peak
5	7816.000	38.62	5.67	44.29	74.00	-29.71	peak
6	8968.000	36.62	9.51	46.13	74.00	-27.87	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



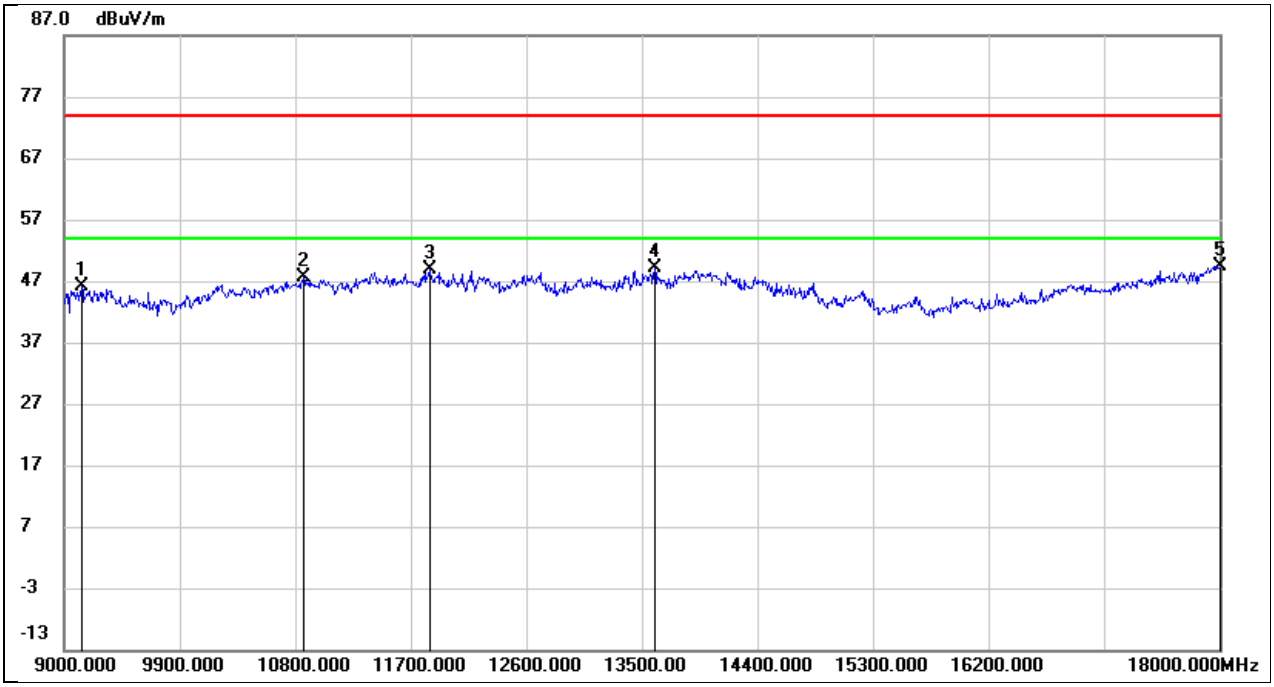
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1024.000	52.28	-14.92	37.36	74.00	-36.64	peak
2	4848.000	38.98	-0.76	38.22	74.00	-35.78	peak
3	6112.000	39.91	2.27	42.18	74.00	-31.82	peak
4	6672.000	38.41	4.57	42.98	74.00	-31.02	peak
5	7496.000	36.40	5.70	42.10	74.00	-31.90	peak
6	8992.000	35.05	9.68	44.73	74.00	-29.27	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	9135.000	36.32	10.84	47.16	74.00	-26.84	peak
2	10224.000	34.01	12.55	46.56	74.00	-27.44	peak
3	11700.000	32.33	17.08	49.41	74.00	-24.59	peak
4	11907.000	31.19	17.66	48.85	74.00	-25.15	peak
5	14085.000	26.38	21.50	47.88	74.00	-26.12	peak
6	17973.000	25.51	24.99	50.50	74.00	-23.50	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	9135.000	35.33	10.84	46.17	74.00	-27.83	peak
2	10863.000	33.35	14.31	47.66	74.00	-26.34	peak
3	11844.000	31.38	17.48	48.86	74.00	-25.14	peak
4	13599.000	28.16	21.02	49.18	74.00	-24.82	peak
5	18000.000	24.34	25.16	49.50	74.00	-24.50	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

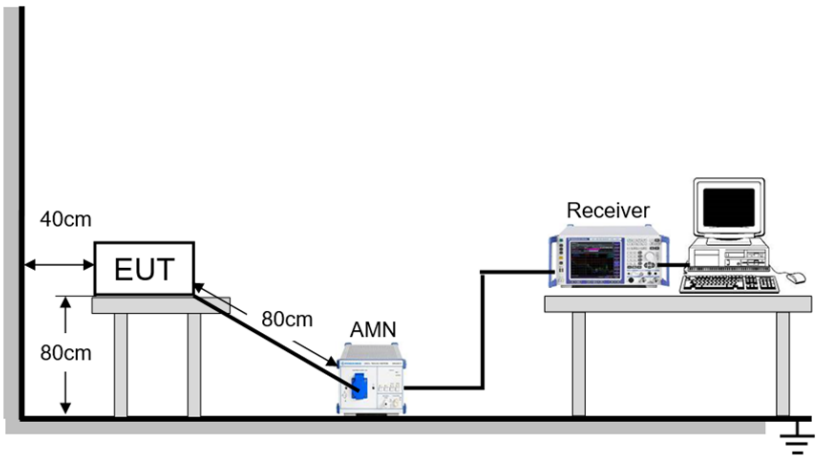
TEST PROCEDURE

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

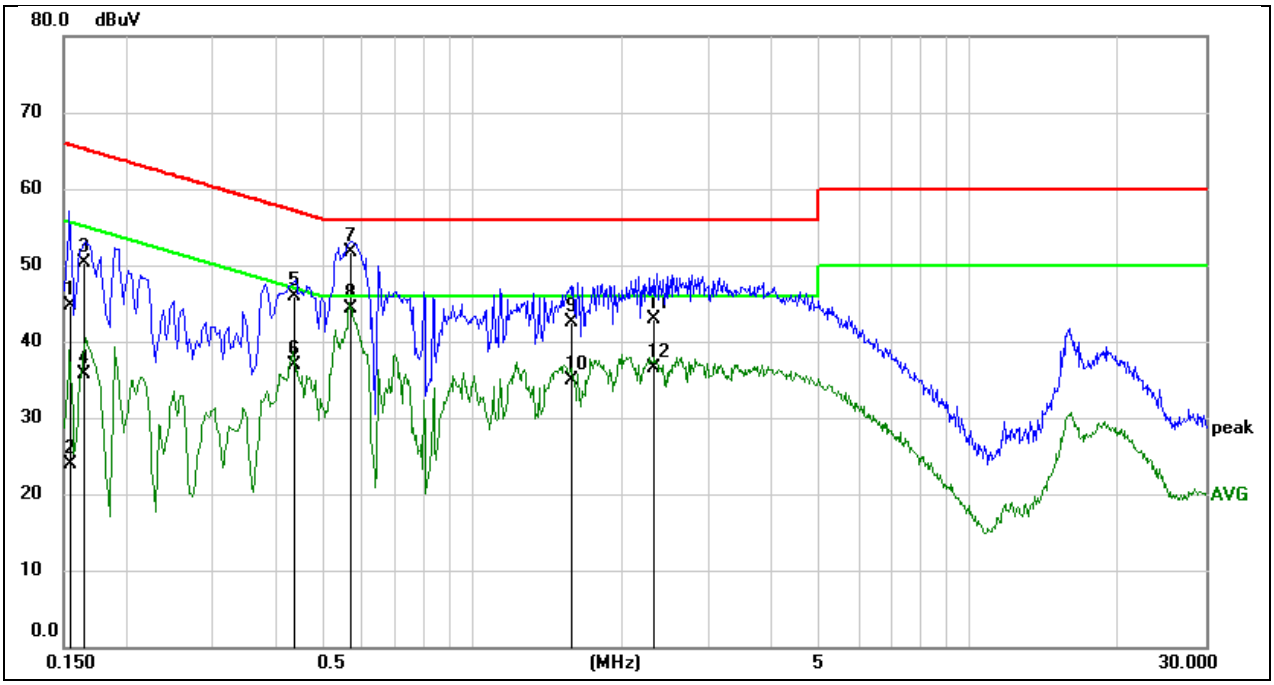
Temperature	24.4℃	Relative Humidity	72.2%
Atmosphere Pressure	101kPa	Test Voltage	AC 120 V, 60 Hz

TEST DATE / ENGINEER

Test Date	March 23, 2023	Test By	Wite Chen

TEST RESULTS

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

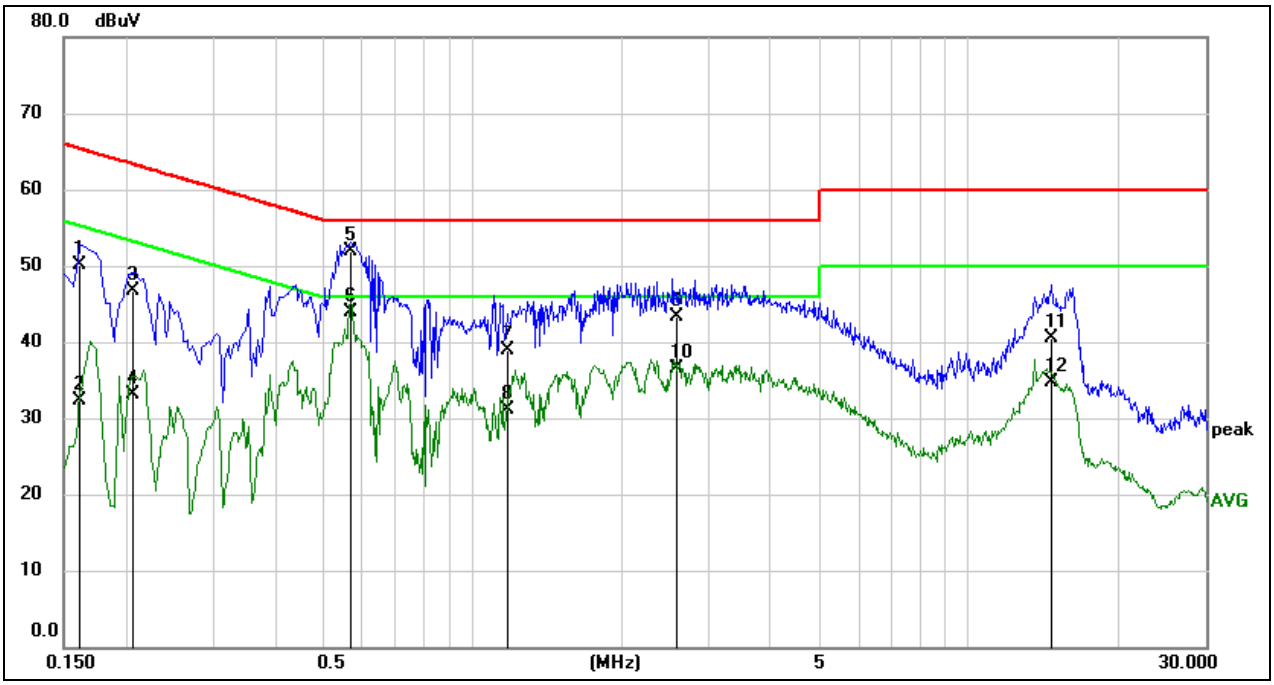


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1554	35.08	9.59	44.67	65.71	-21.04	QP
2	0.1554	14.40	9.59	23.99	55.71	-31.72	AVG
3	0.1650	40.73	9.59	50.32	65.21	-14.89	QP
4	0.1650	26.13	9.59	35.72	55.21	-19.49	AVG
5	0.4365	36.39	9.60	45.99	57.13	-11.14	QP
6	0.4365	27.31	9.60	36.91	47.13	-10.22	AVG
7	0.5670	42.20	9.60	51.80	56.00	-4.20	QP
8	0.5670	34.78	9.60	44.38	46.00	-1.62	AVG
9	1.5777	32.96	9.62	42.58	56.00	-13.42	QP
10	1.5777	25.28	9.62	34.90	46.00	-11.10	AVG
11	2.3146	33.16	9.65	42.81	56.00	-13.19	QP
12	2.3146	26.86	9.65	36.51	46.00	-9.49	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	0.1614	40.57	9.51	50.08	65.39	-15.31	QP
2	0.1614	22.75	9.51	32.26	55.39	-23.13	AVG
3	0.2065	37.02	9.59	46.61	63.34	-16.73	QP
4	0.2065	23.51	9.59	33.10	53.34	-20.24	AVG
5	0.5700	42.41	9.50	51.91	56.00	-4.09	QP
6	0.5700	34.50	9.50	44.00	46.00	-2.00	AVG
7	1.1770	29.47	9.53	39.00	56.00	-17.00	QP
8	1.1770	21.53	9.53	31.06	46.00	-14.94	AVG
9	2.5744	33.77	9.62	43.39	56.00	-12.61	QP
10	2.5744	26.82	9.62	36.44	46.00	-9.56	AVG
11	14.6906	30.78	9.66	40.44	60.00	-19.56	QP
12	14.6906	25.06	9.66	34.72	50.00	-15.28	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	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Verdict
11AX20MIMO	Ant2	6115	22.440	6103.720	6126.160	PASS
	Ant4	6115	22.560	6103.640	6126.200	PASS
	Ant6	6115	22.880	6103.360	6126.240	PASS
	Ant8	6115	22.440	6103.680	6126.120	PASS
	Ant2	6275	22.560	6264.000	6286.560	PASS
	Ant4	6275	22.200	6263.880	6286.080	PASS
	Ant6	6275	23.000	6263.280	6286.280	PASS
	Ant8	6275	22.240	6263.920	6286.160	PASS
	Ant2	6415	22.720	6403.520	6426.240	PASS
	Ant4	6415	22.400	6403.920	6426.320	PASS
	Ant6	6415	22.600	6403.640	6426.240	PASS
	Ant8	6415	22.520	6403.640	6426.160	PASS
	Ant2	6435	22.400	6423.840	6446.240	PASS
	Ant4	6435	22.440	6423.800	6446.240	PASS
	Ant6	6435	22.560	6423.560	6446.120	PASS
	Ant8	6435	22.520	6423.640	6446.160	PASS
	Ant2	6475	22.680	6463.640	6486.320	PASS
	Ant4	6475	22.440	6463.800	6486.240	PASS
	Ant6	6475	22.520	6463.560	6486.080	PASS
	Ant8	6475	22.040	6463.960	6486.000	PASS
	Ant2	6515	22.240	6503.960	6526.200	PASS
	Ant4	6515	22.600	6503.680	6526.280	PASS
	Ant6	6515	22.520	6503.840	6526.360	PASS
	Ant8	6515	22.400	6503.920	6526.320	PASS
	Ant2	6535	22.320	6523.800	6546.120	PASS
	Ant4	6535	22.560	6523.680	6546.240	PASS
	Ant6	6535	23.000	6523.520	6546.520	PASS
	Ant8	6535	22.200	6523.920	6546.120	PASS
	Ant2	6715	22.800	6703.600	6726.400	PASS
	Ant4	6715	22.920	6703.800	6726.720	PASS
	Ant6	6715	22.640	6703.800	6726.440	PASS
	Ant8	6715	22.840	6703.520	6726.360	PASS
	Ant2	6875	22.560	6863.720	6886.280	PASS
	Ant4	6875	22.480	6863.600	6886.080	PASS
	Ant6	6875	22.680	6863.600	6886.280	PASS
	Ant8	6875	22.560	6863.840	6886.400	PASS
	Ant2	6895	22.560	6883.720	6906.280	PASS
	Ant4	6895	22.520	6883.720	6906.240	PASS
	Ant6	6895	23.000	6883.320	6906.320	PASS
	Ant8	6895	22.200	6883.800	6906.000	PASS
	Ant2	7015	22.600	7003.760	7026.360	PASS
	Ant4	7015	22.640	7003.600	7026.240	PASS
	Ant6	7015	22.280	7003.600	7025.880	PASS
	Ant8	7015	22.160	7003.800	7025.960	PASS
	Ant2	7095	22.400	7083.840	7106.240	PASS
	Ant4	7095	22.720	7083.720	7106.440	PASS
	Ant6	7095	22.040	7083.720	7105.760	PASS
	Ant8	7095	22.880	7083.560	7106.440	PASS
11AX40MIMO	Ant2	6125	43.600	6103.560	6147.160	PASS
	Ant4	6125	43.760	6103.480	6147.240	PASS
	Ant6	6125	43.280	6103.400	6146.680	PASS
	Ant8	6125	43.520	6103.480	6147.000	PASS
	Ant2	6285	44.400	6263.240	6307.640	PASS
	Ant4	6285	43.600	6263.240	6306.840	PASS
	Ant6	6285	43.520	6263.240	6306.760	PASS

	Ant8	6285	43.040	6263.560	6306.600	PASS
	Ant2	6405	43.920	6383.720	6427.640	PASS
	Ant4	6405	43.600	6382.760	6426.360	PASS
	Ant6	6405	44.160	6382.440	6426.600	PASS
	Ant8	6405	43.200	6383.320	6426.520	PASS
	Ant2	6445	44.000	6423.480	6467.480	PASS
	Ant4	6445	44.560	6423.080	6467.640	PASS
	Ant6	6445	44.480	6422.440	6466.920	PASS
	Ant8	6445	43.280	6423.320	6466.600	PASS
	Ant2	6485	42.880	6463.400	6506.280	PASS
	Ant4	6485	44.160	6463.160	6507.320	PASS
	Ant6	6485	43.840	6463.080	6506.920	PASS
	Ant8	6485	43.200	6463.560	6506.760	PASS
	Ant2	6525	44.640	6503.160	6547.800	PASS
	Ant4	6525	44.800	6502.760	6547.560	PASS
	Ant6	6525	44.000	6503.160	6547.160	PASS
	Ant8	6525	43.280	6503.160	6546.440	PASS
	Ant2	6725	44.160	6702.920	6747.080	PASS
	Ant4	6725	43.120	6703.480	6746.600	PASS
	Ant6	6725	43.680	6703.640	6747.320	PASS
	Ant8	6725	43.280	6703.480	6746.760	PASS
	Ant2	6845	44.080	6823.480	6867.560	PASS
	Ant4	6845	43.920	6823.320	6867.240	PASS
	Ant6	6845	43.440	6823.320	6866.760	PASS
	Ant8	6845	43.280	6823.160	6866.440	PASS
	Ant2	6885	43.840	6863.560	6907.400	PASS
	Ant4	6885	44.480	6862.840	6907.320	PASS
	Ant6	6885	43.680	6863.000	6906.680	PASS
	Ant8	6885	43.600	6863.080	6906.680	PASS
	Ant2	7005	44.000	6983.000	7027.000	PASS
	Ant4	7005	44.960	6982.840	7027.800	PASS
	Ant6	7005	44.400	6982.840	7027.240	PASS
	Ant8	7005	43.120	6983.480	7026.600	PASS
	Ant2	7085	43.200	7063.320	7106.520	PASS
	Ant4	7085	43.760	7063.160	7106.920	PASS
	Ant6	7085	43.680	7063.240	7106.920	PASS
	Ant8	7085	43.120	7063.400	7106.520	PASS
11AX80MIMO	Ant2	6145	87.680	6100.200	6187.880	PASS
	Ant4	6145	87.360	6101.960	6189.320	PASS
	Ant6	6145	86.720	6101.480	6188.200	PASS
	Ant8	6145	88.480	6101.000	6189.480	PASS
	Ant2	6225	88.960	6181.640	6270.600	PASS
	Ant4	6225	89.600	6180.520	6270.120	PASS
	Ant6	6225	88.480	6181.320	6269.800	PASS
	Ant8	6225	88.640	6181.000	6269.640	PASS
	Ant2	6385	88.800	6340.200	6429.000	PASS
	Ant4	6385	88.160	6340.360	6428.520	PASS
	Ant6	6385	85.280	6341.960	6427.240	PASS
	Ant8	6385	86.400	6342.120	6428.520	PASS
	Ant2	6465	89.280	6421.000	6510.280	PASS
	Ant4	6465	88.480	6421.320	6509.800	PASS
	Ant6	6465	86.400	6421.800	6508.200	PASS
	Ant8	6465	88.320	6420.360	6508.680	PASS
	Ant2	6545	87.680	6501.640	6589.320	PASS
	Ant4	6545	88.160	6501.640	6589.800	PASS
	Ant6	6545	86.880	6501.960	6588.840	PASS
	Ant8	6545	87.040	6501.480	6588.520	PASS
	Ant2	6705	87.040	6661.160	6748.200	PASS
	Ant4	6705	90.880	6659.560	6750.440	PASS
	Ant6	6705	86.560	6661.960	6748.520	PASS
	Ant8	6705	87.200	6661.160	6748.360	PASS
	Ant2	6865	88.000	6820.680	6908.680	PASS
	Ant4	6865	89.120	6821.000	6910.120	PASS

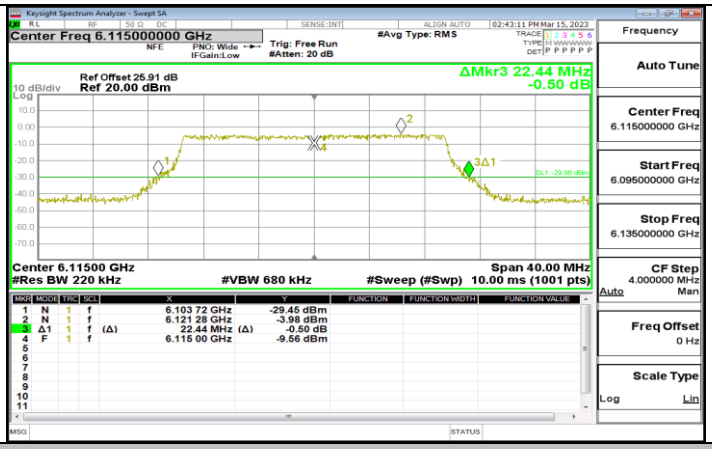
	Ant6	6865	86.880	6820.840	6907.720	PASS
	Ant8	6865	89.440	6821.000	6910.440	PASS
	Ant2	6945	87.520	6901.160	6988.680	PASS
	Ant4	6945	87.200	6901.800	6989.000	PASS
	Ant6	6945	88.800	6899.560	6988.360	PASS
	Ant8	6945	88.320	6900.040	6988.360	PASS
	Ant2	7025	88.320	6981.000	7069.320	PASS
	Ant4	7025	89.440	6979.880	7069.320	PASS
	Ant6	7025	88.800	6980.200	7069.000	PASS
	Ant8	7025	89.120	6980.360	7069.480	PASS
11AX160MIMO	Ant2	6185	170.560	6100.200	6270.760	PASS
	Ant4	6185	169.600	6100.840	6270.440	PASS
	Ant6	6185	170.560	6100.840	6271.400	PASS
	Ant8	6185	167.040	6101.800	6268.840	PASS
	Ant2	6345	169.600	6259.880	6429.480	PASS
	Ant4	6345	166.400	6261.480	6427.880	PASS
	Ant6	6345	170.560	6259.240	6429.800	PASS
	Ant8	6345	167.680	6261.160	6428.840	PASS
	Ant2	6505	169.280	6420.840	6590.120	PASS
	Ant4	6505	170.560	6420.520	6591.080	PASS
	Ant6	6505	170.880	6420.840	6591.720	PASS
	Ant8	6505	169.600	6421.160	6590.760	PASS
	Ant2	6665	169.280	6580.200	6749.480	PASS
	Ant4	6665	169.920	6579.560	6749.480	PASS
	Ant6	6665	171.840	6579.880	6751.720	PASS
	Ant8	6665	167.680	6580.200	6747.880	PASS
	Ant2	6825	168.640	6740.840	6909.480	PASS
	Ant4	6825	168.960	6740.520	6909.480	PASS
	Ant6	6825	168.640	6740.520	6909.160	PASS
	Ant8	6825	169.280	6740.200	6909.480	PASS
	Ant2	6985	171.840	6899.240	7071.080	PASS
	Ant4	6985	170.560	6899.560	7070.120	PASS
	Ant6	6985	168.000	6901.480	7069.480	PASS
	Ant8	6985	167.360	6900.840	7068.200	PASS
11BE20MIMO	Ant2	6115	22.880	6103.440	6126.320	PASS
	Ant4	6115	23.040	6103.400	6126.440	PASS
	Ant6	6115	22.680	6103.680	6126.360	PASS
	Ant8	6115	23.400	6103.560	6126.960	PASS
	Ant2	6275	22.600	6263.720	6286.320	PASS
	Ant4	6275	22.680	6263.680	6286.360	PASS
	Ant6	6275	23.560	6263.400	6286.960	PASS
	Ant8	6275	22.760	6263.560	6286.320	PASS
	Ant2	6415	23.160	6403.480	6426.640	PASS
	Ant4	6415	23.600	6403.520	6427.120	PASS
	Ant6	6415	23.400	6403.600	6427.000	PASS
	Ant8	6415	23.840	6403.240	6427.080	PASS
	Ant2	6435	23.040	6423.480	6446.520	PASS
	Ant4	6435	22.800	6423.800	6446.600	PASS
	Ant6	6435	23.160	6423.680	6446.840	PASS
	Ant8	6435	23.680	6423.360	6447.040	PASS
	Ant2	6475	22.720	6463.800	6486.520	PASS
	Ant4	6475	22.760	6463.720	6486.480	PASS
	Ant6	6475	22.400	6463.800	6486.200	PASS
	Ant8	6475	23.960	6463.720	6487.680	PASS
	Ant2	6515	23.120	6503.560	6526.680	PASS
	Ant4	6515	22.680	6503.760	6526.440	PASS
	Ant6	6515	23.000	6503.720	6526.720	PASS
	Ant8	6515	22.960	6503.840	6526.800	PASS
	Ant2	6535	23.040	6523.440	6546.480	PASS
	Ant4	6535	22.520	6523.640	6546.160	PASS
	Ant6	6535	23.040	6523.720	6546.760	PASS
	Ant8	6535	23.360	6523.640	6547.000	PASS
	Ant2	6715	23.960	6703.840	6727.800	PASS

	Ant4	6715	22.520	6703.640	6726.160	PASS
	Ant6	6715	22.960	6703.520	6726.480	PASS
	Ant8	6715	23.600	6703.440	6727.040	PASS
	Ant2	6875	22.840	6863.680	6886.520	PASS
	Ant4	6875	22.760	6863.480	6886.240	PASS
	Ant6	6875	23.200	6863.640	6886.840	PASS
	Ant8	6875	23.320	6863.640	6886.960	PASS
	Ant2	6895	22.920	6883.240	6906.160	PASS
	Ant4	6895	22.760	6883.840	6906.600	PASS
	Ant6	6895	23.160	6883.560	6906.720	PASS
	Ant8	6895	23.600	6883.320	6906.920	PASS
	Ant2	7015	23.360	7003.360	7026.720	PASS
	Ant4	7015	22.480	7003.720	7026.200	PASS
	Ant6	7015	23.040	7003.840	7026.880	PASS
	Ant8	7015	22.760	7003.560	7026.320	PASS
	Ant2	7095	23.160	7083.320	7106.480	PASS
	Ant4	7095	23.320	7083.240	7106.560	PASS
	Ant6	7095	23.000	7083.680	7106.680	PASS
	Ant8	7095	23.040	7083.600	7106.640	PASS
11BE40MIMO	Ant2	6125	44.880	6102.360	6147.240	PASS
	Ant4	6125	43.280	6103.640	6146.920	PASS
	Ant6	6125	43.280	6103.400	6146.680	PASS
	Ant8	6125	42.800	6103.240	6146.040	PASS
	Ant2	6285	43.280	6263.400	6306.680	PASS
	Ant4	6285	43.360	6263.560	6306.920	PASS
	Ant6	6285	43.840	6262.920	6306.760	PASS
	Ant8	6285	43.600	6263.160	6306.760	PASS
	Ant2	6405	43.760	6382.920	6426.680	PASS
	Ant4	6405	42.720	6383.240	6425.960	PASS
	Ant6	6405	43.360	6383.160	6426.520	PASS
	Ant8	6405	43.120	6383.480	6426.600	PASS
	Ant2	6445	44.960	6423.320	6468.280	PASS
	Ant4	6445	43.200	6423.800	6467.000	PASS
	Ant6	6445	43.200	6423.320	6466.520	PASS
	Ant8	6445	43.120	6423.480	6466.600	PASS
	Ant2	6485	43.360	6463.480	6506.840	PASS
	Ant4	6485	43.520	6463.240	6506.760	PASS
	Ant6	6485	43.600	6463.160	6506.760	PASS
	Ant8	6485	43.840	6463.560	6507.400	PASS
	Ant2	6525	43.920	6503.320	6547.240	PASS
	Ant4	6525	43.920	6503.080	6547.000	PASS
	Ant6	6525	43.440	6503.400	6546.840	PASS
	Ant8	6525	43.440	6503.160	6546.600	PASS
	Ant2	6725	43.520	6703.640	6747.160	PASS
	Ant4	6725	43.760	6703.160	6746.920	PASS
	Ant6	6725	43.920	6703.320	6747.240	PASS
	Ant8	6725	42.800	6703.480	6746.280	PASS
	Ant2	6845	44.320	6822.760	6867.080	PASS
	Ant4	6845	43.840	6822.760	6866.600	PASS
	Ant6	6845	43.520	6823.080	6866.600	PASS
	Ant8	6845	43.200	6823.640	6866.840	PASS
	Ant2	6885	44.640	6862.200	6906.840	PASS
	Ant4	6885	43.440	6862.920	6906.360	PASS
	Ant6	6885	45.040	6862.840	6907.880	PASS
	Ant8	6885	43.600	6863.400	6907.000	PASS
	Ant2	7005	43.600	6983.160	7026.760	PASS
	Ant4	7005	43.040	6983.240	7026.280	PASS
	Ant6	7005	43.920	6983.000	7026.920	PASS
	Ant8	7005	42.720	6983.560	7026.280	PASS
	Ant2	7085	44.640	7062.920	7107.560	PASS
	Ant4	7085	42.880	7063.480	7106.360	PASS
	Ant6	7085	43.840	7062.760	7106.600	PASS
	Ant8	7085	43.680	7063.000	7106.680	PASS

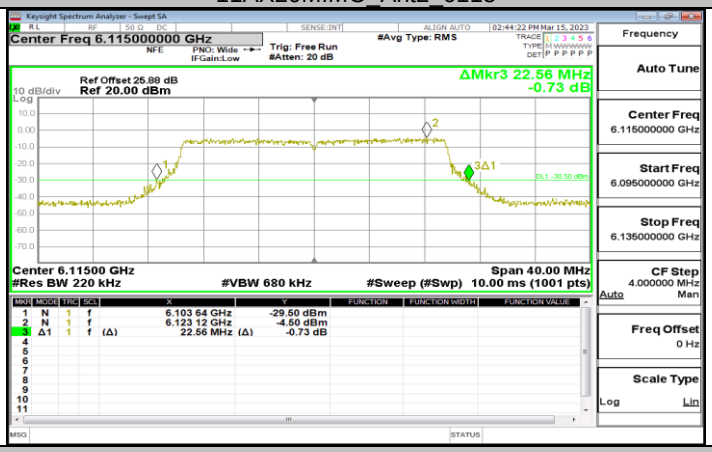
11BE80MIMO	Ant2	6145	87.680	6101.000	6188.680	PASS
	Ant4	6145	88.480	6101.160	6189.640	PASS
	Ant6	6145	87.680	6101.960	6189.640	PASS
	Ant8	6145	87.520	6100.680	6188.200	PASS
	Ant2	6225	88.640	6181.000	6269.640	PASS
	Ant4	6225	87.840	6180.840	6268.680	PASS
	Ant6	6225	88.480	6180.680	6269.160	PASS
	Ant8	6225	87.360	6181.160	6268.520	PASS
	Ant2	6385	88.160	6340.680	6428.840	PASS
	Ant4	6385	88.000	6340.200	6428.200	PASS
	Ant6	6385	87.200	6340.360	6427.560	PASS
	Ant8	6385	87.520	6340.040	6427.560	PASS
	Ant2	6465	87.840	6421.320	6509.160	PASS
	Ant4	6465	89.120	6421.000	6510.120	PASS
	Ant6	6465	85.760	6422.760	6508.520	PASS
	Ant8	6465	87.520	6421.000	6508.520	PASS
	Ant2	6545	88.320	6501.480	6589.800	PASS
	Ant4	6545	86.560	6502.280	6588.840	PASS
	Ant6	6545	88.480	6501.640	6590.120	PASS
	Ant8	6545	88.800	6500.200	6589.000	PASS
	Ant2	6705	87.840	6660.680	6748.520	PASS
	Ant4	6705	88.160	6661.000	6749.160	PASS
	Ant6	6705	89.760	6659.880	6749.640	PASS
	Ant8	6705	86.720	6661.320	6748.040	PASS
	Ant2	6865	88.320	6819.880	6908.200	PASS
	Ant4	6865	88.160	6820.520	6908.680	PASS
	Ant6	6865	86.240	6822.120	6908.360	PASS
	Ant8	6865	88.000	6820.520	6908.520	PASS
	Ant2	6945	88.320	6899.880	6988.200	PASS
	Ant4	6945	87.680	6900.840	6988.520	PASS
	Ant6	6945	89.120	6900.520	6989.640	PASS
	Ant8	6945	87.200	6901.480	6988.680	PASS
	Ant2	7025	87.520	6981.160	7068.680	PASS
	Ant4	7025	86.880	6981.480	7068.360	PASS
	Ant6	7025	88.160	6981.160	7069.320	PASS
	Ant8	7025	88.000	6980.520	7068.520	PASS
11BE160MIMO	Ant2	6185	171.200	6099.240	6270.440	PASS
	Ant4	6185	169.280	6100.520	6269.800	PASS
	Ant6	6185	169.280	6100.200	6269.480	PASS
	Ant8	6185	169.280	6099.560	6268.840	PASS
	Ant2	6345	172.160	6259.560	6431.720	PASS
	Ant4	6345	168.000	6260.200	6428.200	PASS
	Ant6	6345	168.000	6260.200	6428.200	PASS
	Ant8	6345	168.640	6260.200	6428.840	PASS
	Ant2	6505	171.520	6420.840	6592.360	PASS
	Ant4	6505	169.600	6421.480	6591.080	PASS
	Ant6	6505	168.960	6420.520	6589.480	PASS
	Ant8	6505	168.000	6422.120	6590.120	PASS
	Ant2	6665	173.440	6579.240	6752.680	PASS
	Ant4	6665	169.920	6579.240	6749.160	PASS
	Ant6	6665	168.000	6580.520	6748.520	PASS
	Ant8	6665	168.960	6580.200	6749.160	PASS
	Ant2	6825	171.520	6740.200	6911.720	PASS
	Ant4	6825	168.960	6740.520	6909.480	PASS
	Ant6	6825	170.560	6739.880	6910.440	PASS
	Ant8	6825	169.280	6740.200	6909.480	PASS
	Ant2	6985	171.840	6899.880	7071.720	PASS
	Ant4	6985	168.000	6901.160	7069.160	PASS
	Ant6	6985	168.960	6900.520	7069.480	PASS
	Ant8	6985	171.200	6898.920	7070.120	PASS
11BE320MIMO	Ant2	6265	332.160	6099.240	6431.400	PASS
	Ant4	6265	332.160	6099.880	6432.040	PASS
	Ant6	6265	332.160	6098.600	6430.760	PASS

	Ant8	6265	332.800	6097.320	6430.120	PASS
	Ant2	6585	335.360	6417.960	6753.320	PASS
	Ant4	6585	338.560	6417.960	6756.520	PASS
	Ant6	6585	337.280	6415.400	6752.680	PASS
	Ant8	6585	335.360	6415.400	6750.760	PASS
	Ant2	6905	332.160	6739.880	7072.040	PASS
	Ant4	6905	336.000	6734.760	7070.760	PASS
	Ant6	6905	336.000	6735.400	7071.400	PASS
	Ant8	6905	335.360	6737.960	7073.320	PASS

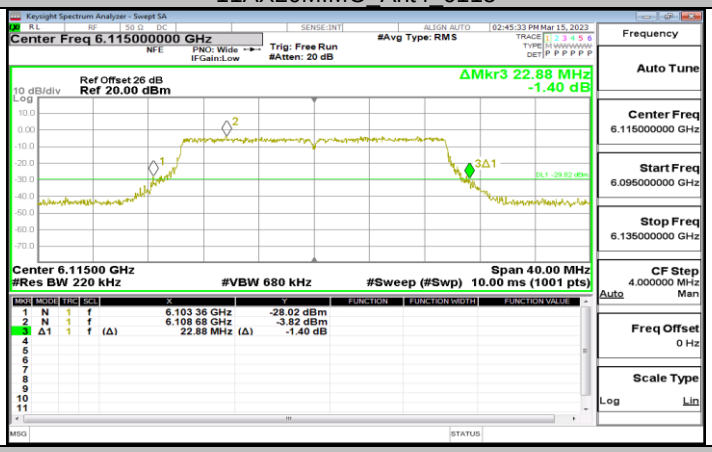
11.1.2. Test Graphs



11AX20MIMO_Ant2_6115



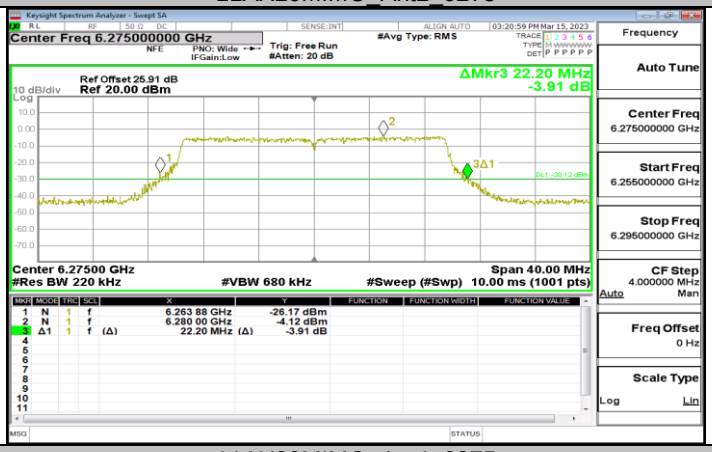
11AX20MIMO_Ant4_6115



11AX20MIMO_Ant6_6115

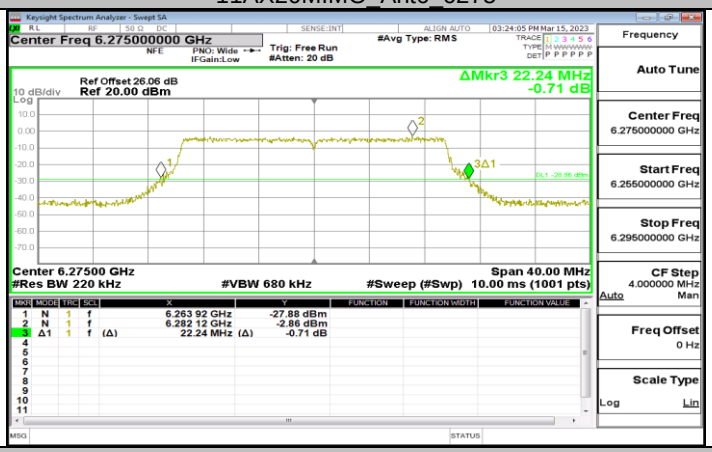
11AX20MIMO_Ant8_6115

11AX20MIMO_Ant2_6275



11AX20MIMO_Ant4_6275

11AX20MIMO_Ant6_6275



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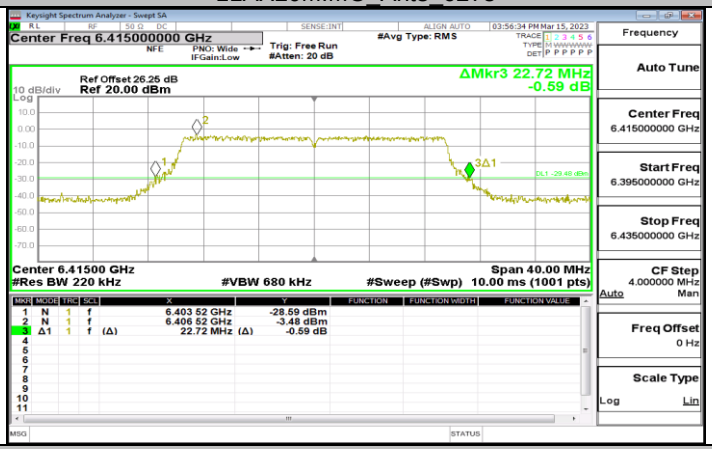
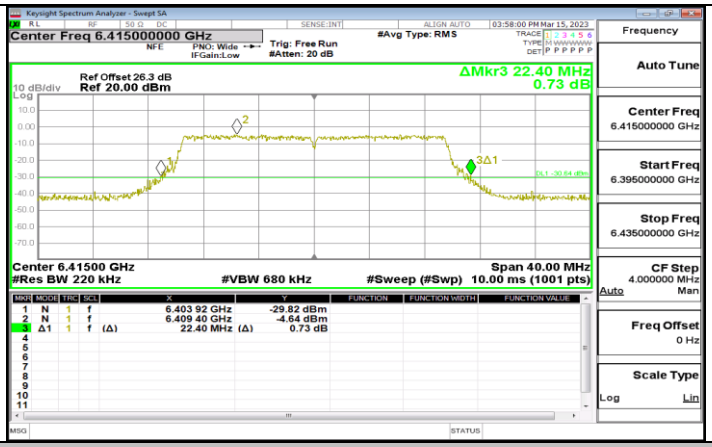


11AX20MIMO_Ant2_6415



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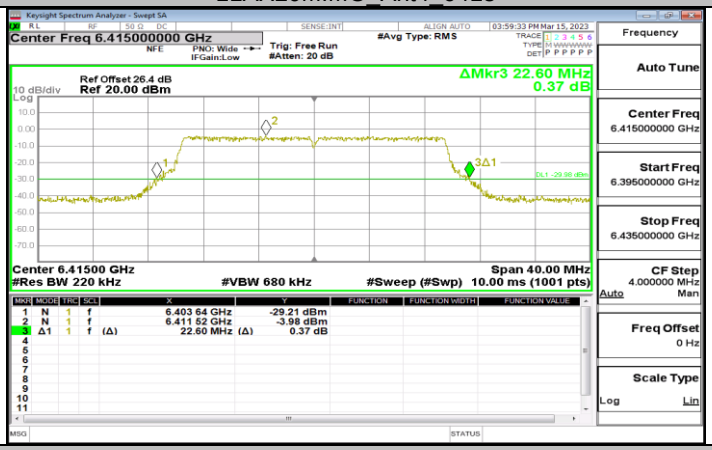

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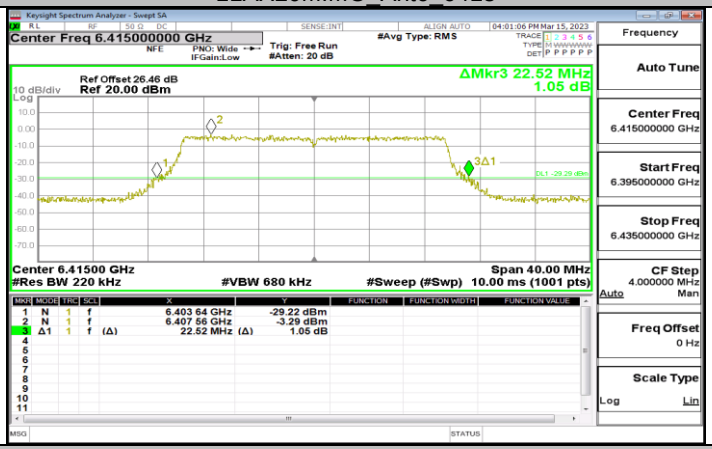
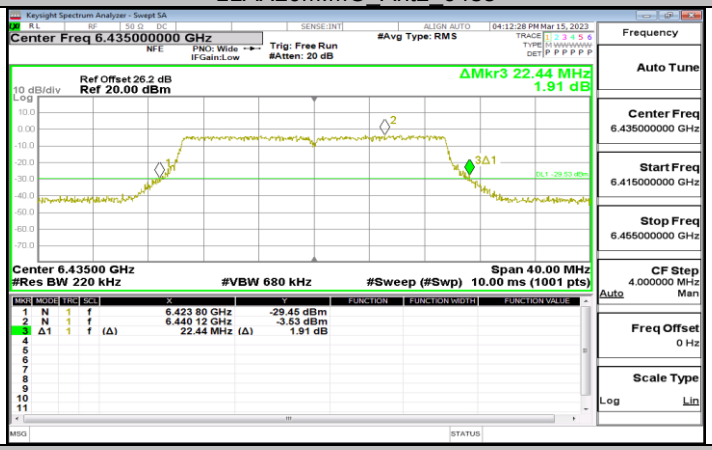


11AX20MIMO_Ant8_6415

11AX20MIMO_Ant2_6435



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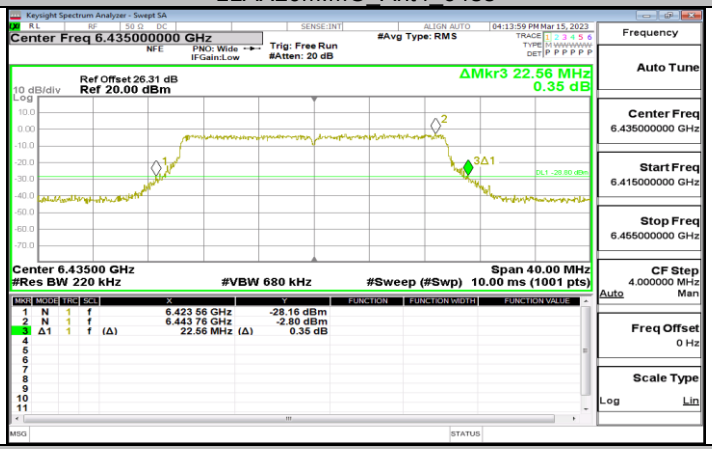
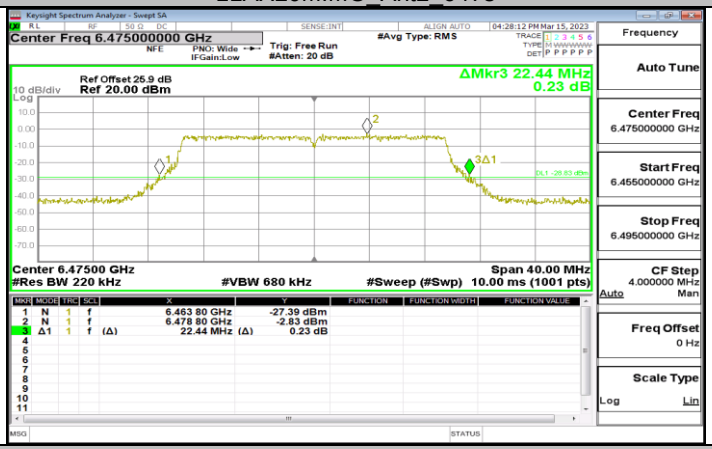


11AX20MIMO_Ant6_6435

11AX20MIMO_Ant8_6435

11AX20MIMO_Ant2_6475



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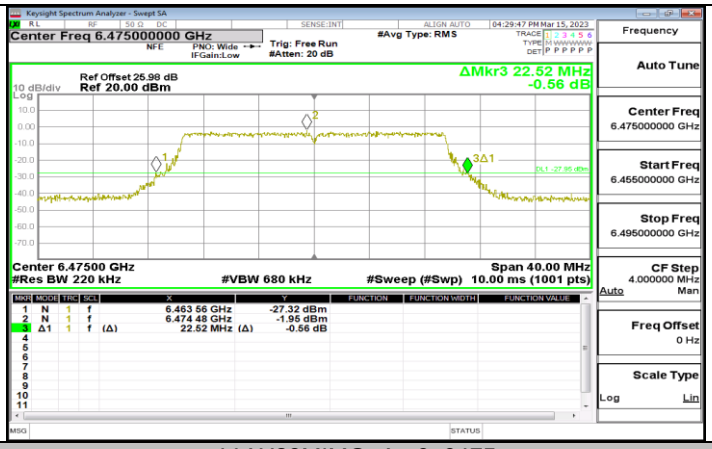

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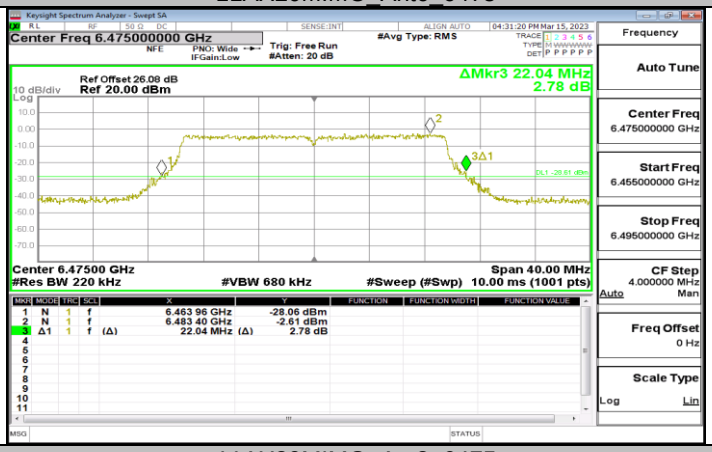

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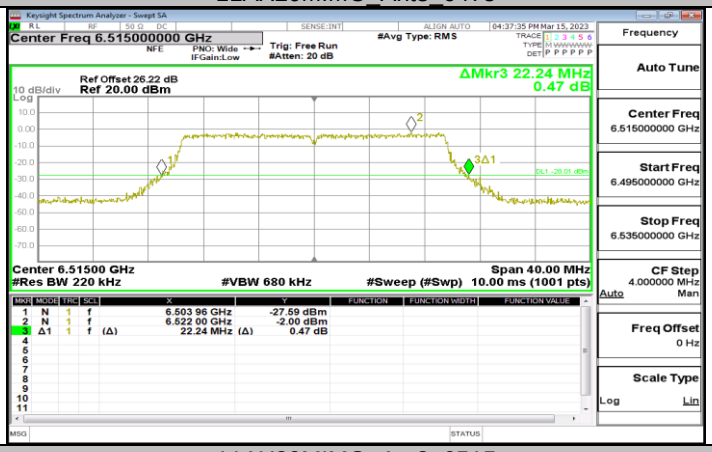

11AX20MIMO_Ant2_6515

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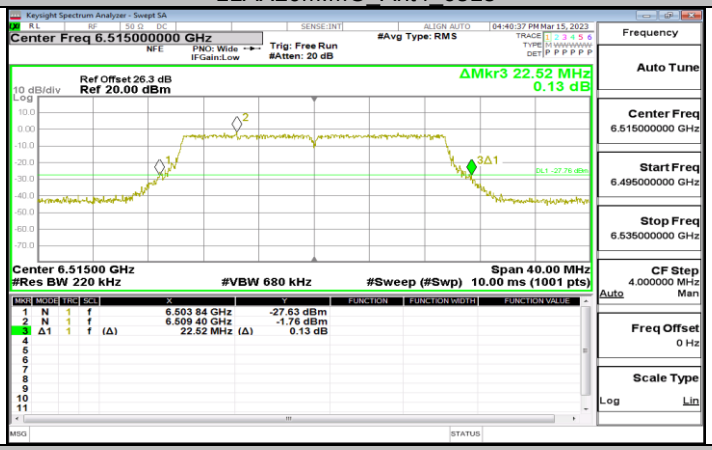

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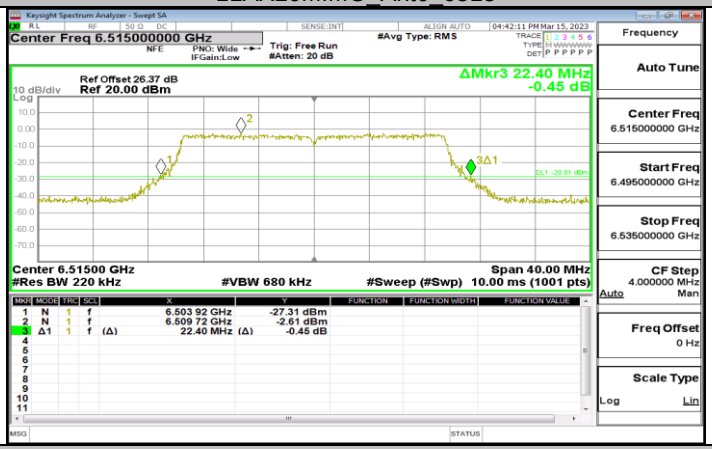

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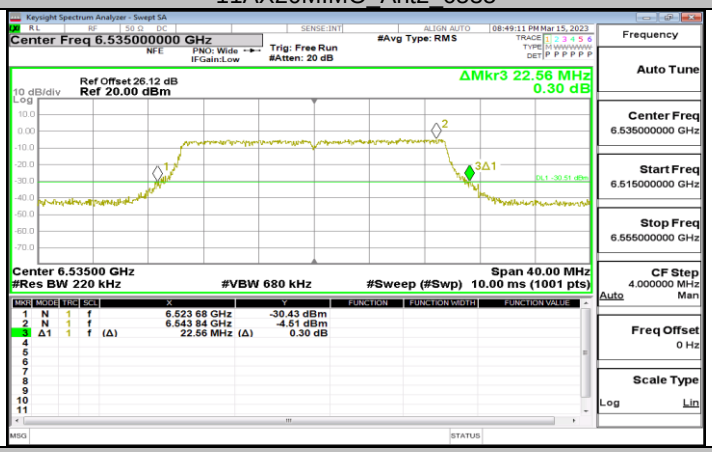

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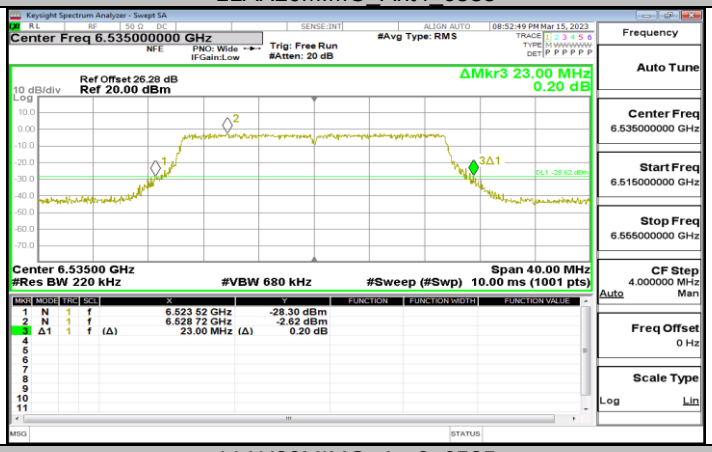
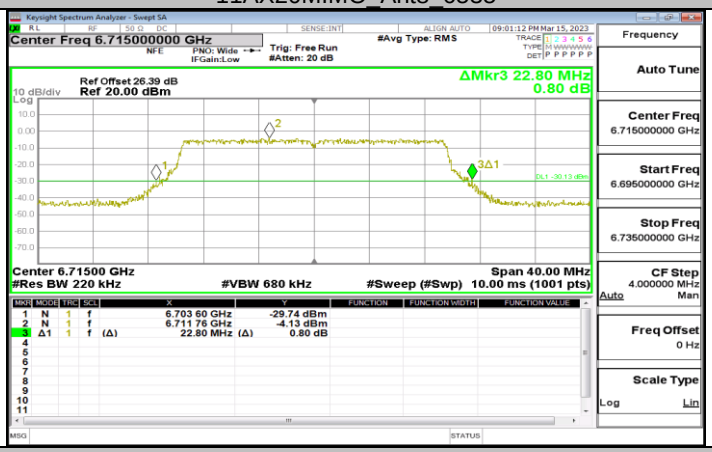


11AX20MIMO_Ant6_6535

11AX20MIMO_Ant8_6535



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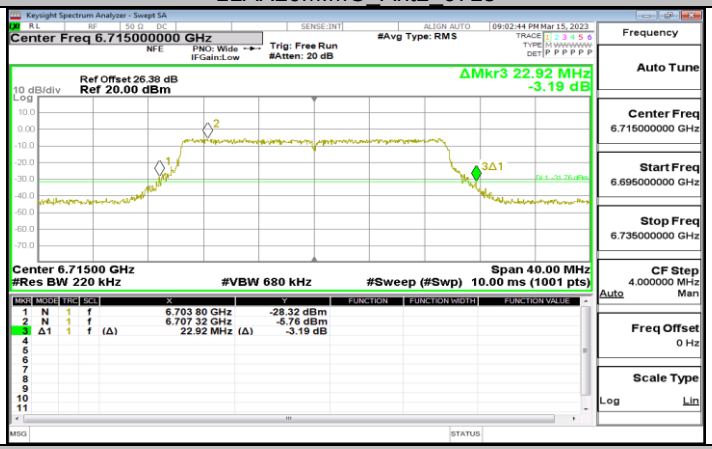
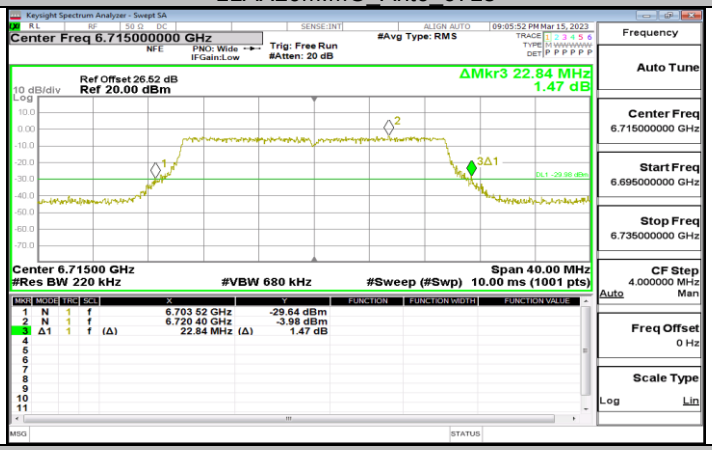
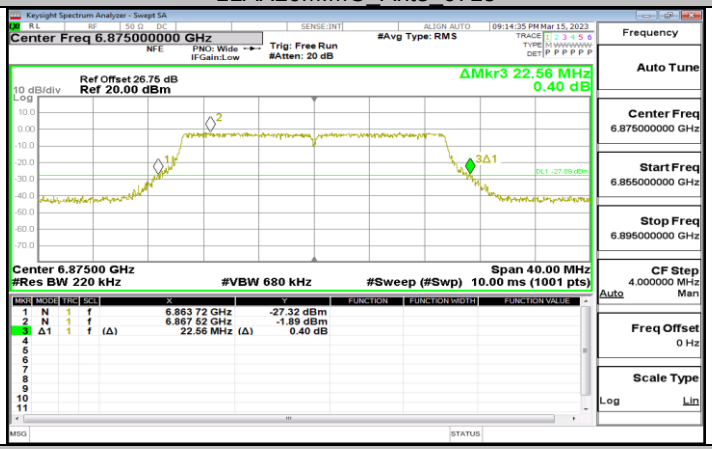


11AX20MIMO_Ant4_6715

11AX20MIMO_Ant6_6715

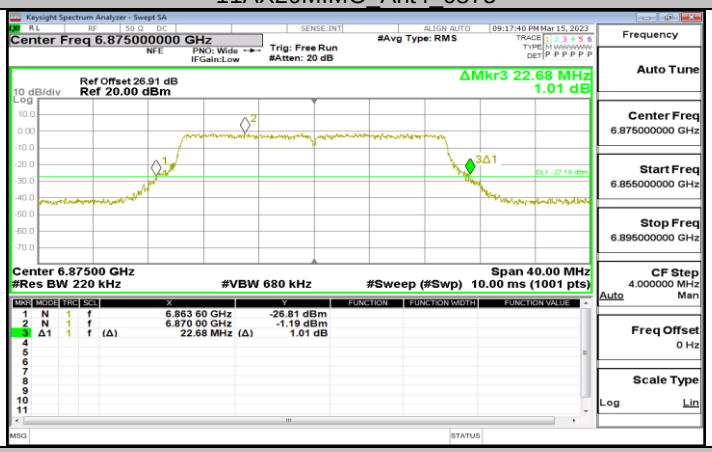


11AX20MIMO_Ant8_6715

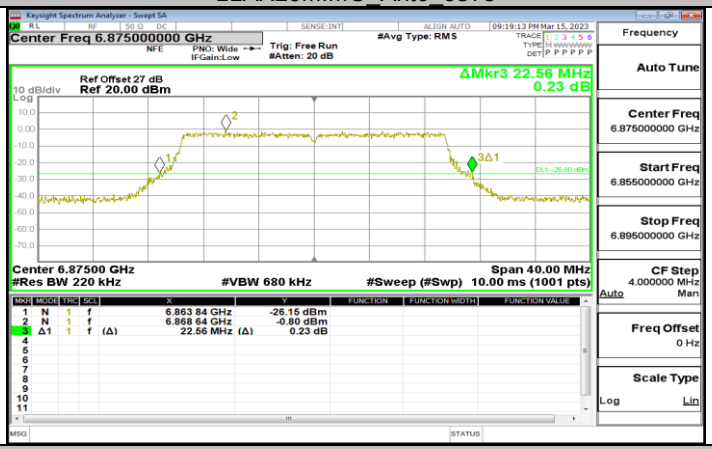


11AX20MIMO_Ant2_6875

11AX20MIMO_Ant4_6875

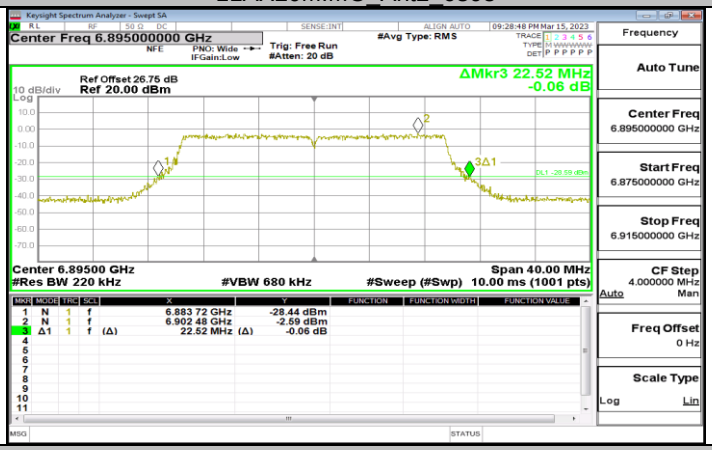


11AX20MIMO_Ant6_6875



11AX20MIMO_Ant8_6875

11AX20MIMO_Ant2_6895



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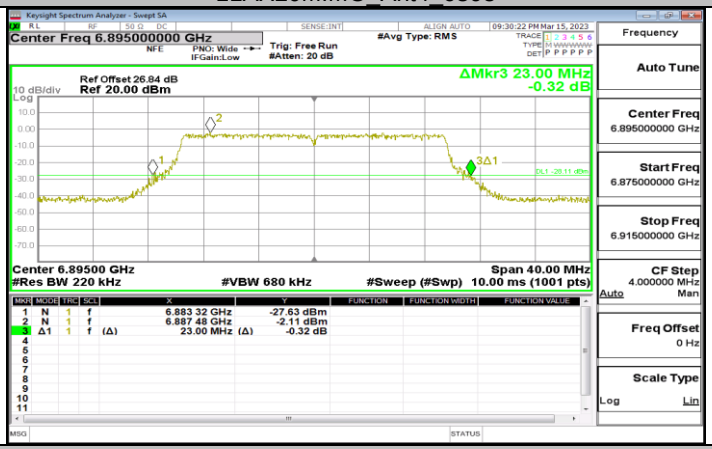
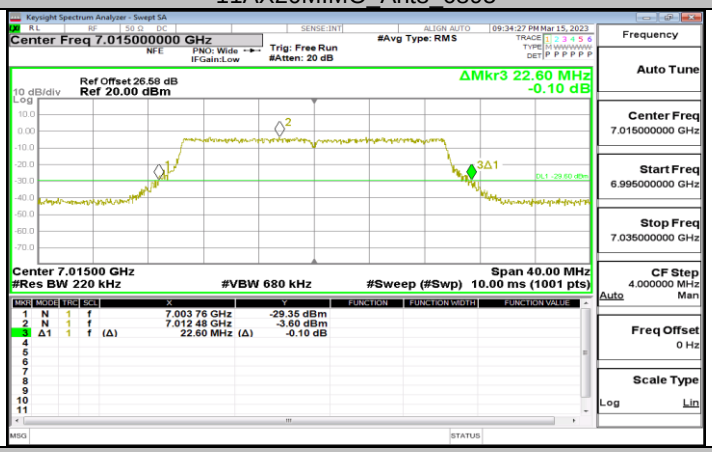


11AX20MIMO_Ant6_6895

11AX20MIMO_Ant8_6895



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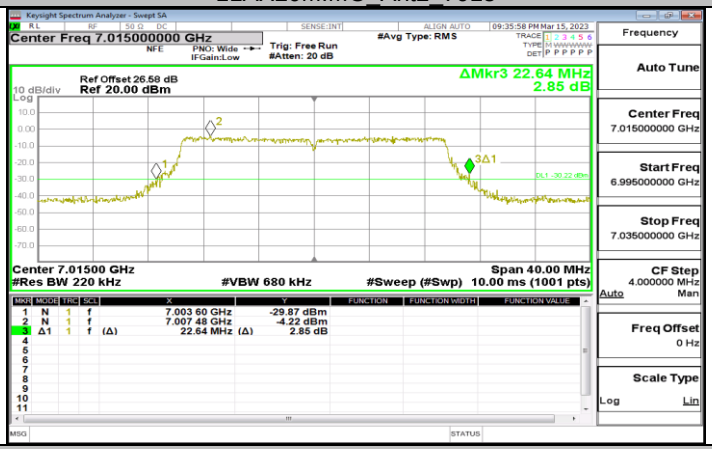

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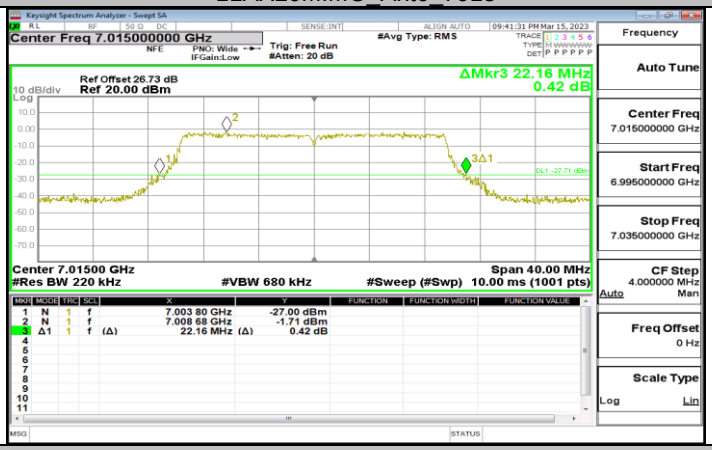
11AX20MIMO_Ant6_7015



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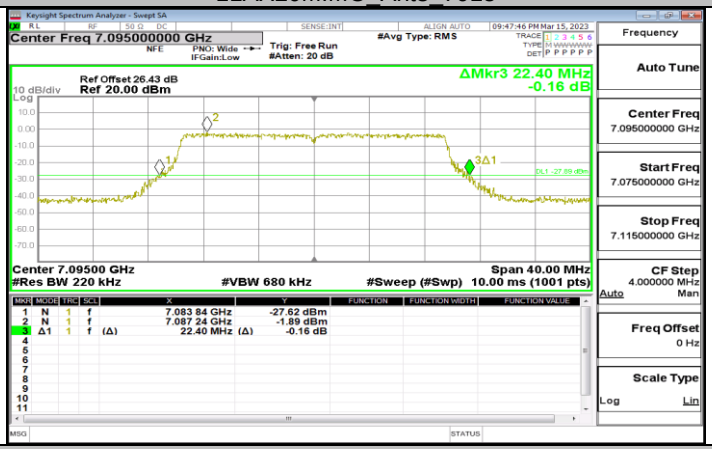
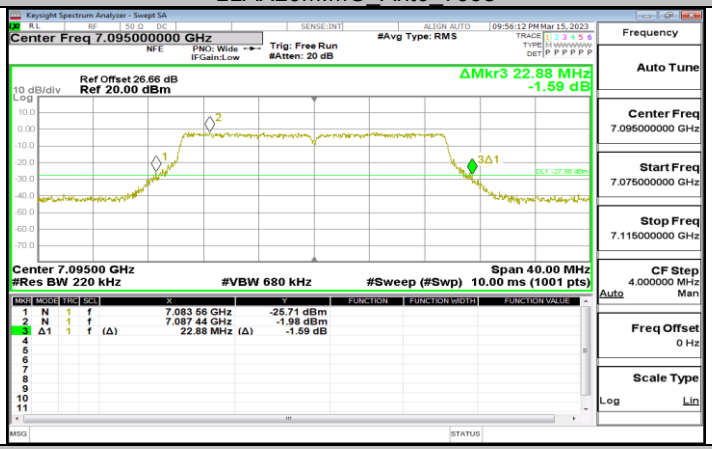


11AX20MIMO_Ant2_7095

11AX20MIMO_Ant4_7095

11AX20MIMO_Ant6_7095



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