

Appendix B: Test Results of 5GHz Wi-Fi (Transmitter RTL8852BE)

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Appendix B.1: Test Results of 26dB Bandwidth

Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	18.480	5170.840	5189.320	---	PASS
		5200	18.360	5190.840	5209.200	---	PASS
		5240	18.400	5230.880	5249.280	---	PASS
11N20MIMO	Ant1	5180	19.320	5170.280	5189.600	---	PASS
		5200	19.560	5190.080	5209.640	---	PASS
		5240	19.400	5230.200	5249.600	---	PASS
11N40MIMO	Ant1	5190	39.120	5170.480	5209.600	---	PASS
		5230	39.040	5210.640	5249.680	---	PASS
11AC20MIMO	Ant1	5180	19.520	5170.120	5189.640	---	PASS
		5200	19.200	5190.440	5209.640	---	PASS
		5240	19.480	5230.160	5249.640	---	PASS
11AC40MIMO	Ant1	5190	38.960	5170.480	5209.440	---	PASS
		5230	39.040	5210.400	5249.440	---	PASS
11AC80MIMO	Ant1	5210	87.040	5166.160	5253.200	---	PASS
11AX20MIMO	Ant1	5180	20.120	5170.040	5190.160	---	PASS
		5200	20.360	5189.800	5210.160	---	PASS
		5240	20.120	5229.960	5250.080	---	PASS
11AX40MIMO	Ant1	5190	39.440	5170.160	5209.600	---	PASS
		5230	40.080	5209.680	5249.760	---	PASS
11AX80MIMO	Ant1	5210	80.800	5169.680	5250.480	---	PASS

Test Graphs

11A-CDD_Ant1_5180



11A-CDD_Ant1_5200



11A-CDD_Ant1_5240



11N20MIMO Ant1 5180



11N20MIMO Ant1 5200



11N20MIMO Ant1 5240



11N40MIMO_Ant1_5190



11N40MIMO_Ant1_5230



11AC20MIMO_Ant1_5180



11AC20MIMO_Ant1_5200



11AC20MIMO_Ant1_5240



11AC40MIMO_Ant1_5190





11AX20MIMO_Ant1_5200



11AX20MIMO_Ant1_5240



11AX40MIMO_Ant1_5190



11AX40MIMO_Ant1_5230



11AX80MIMO_Ant1_5210



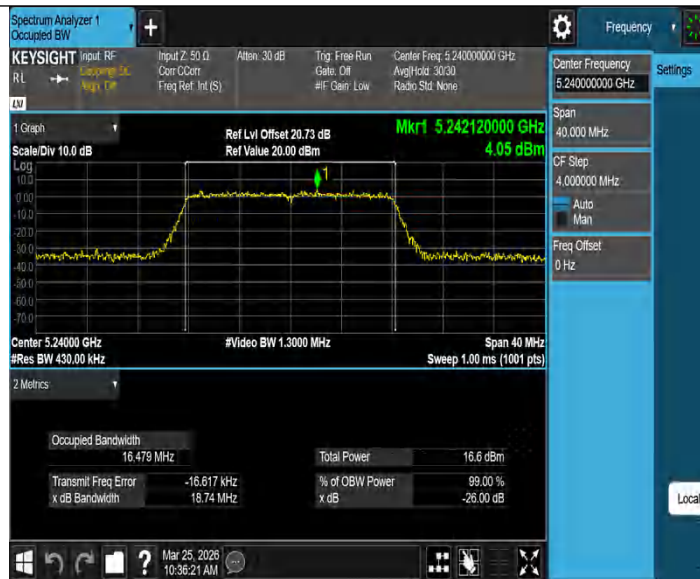
Appendix B.2: Test Results of 99% Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	16.526	5171.7382	5188.2642	---	PASS
		5200	16.500	5191.7391	5208.2391	---	PASS
		5240	16.479	5231.7439	5248.2229	---	PASS
		5745	16.507	5736.7388	5753.2458	---	PASS
		5785	16.497	5776.7095	5793.2065	---	PASS
		5825	16.518	5816.7402	5833.2582	---	PASS
11N20MIMO	Ant1	5180	17.629	5171.1537	5188.7827	---	PASS
		5200	17.607	5191.1614	5208.7684	---	PASS
		5240	17.632	5231.1420	5248.7740	---	PASS
		5745	17.622	5736.1363	5753.7583	---	PASS
		5785	17.649	5776.1502	5793.7992	---	PASS
		5825	17.640	5816.1392	5833.7792	---	PASS
11N40MIMO	Ant1	5190	36.212	5171.8727	5208.0847	---	PASS
		5230	36.218	5211.8621	5248.0801	---	PASS
		5755	36.230	5736.8889	5773.1189	---	PASS
		5795	36.245	5776.8374	5813.0824	---	PASS
11AC20MIMO	Ant1	5180	17.690	5171.1194	5188.8094	---	PASS
		5200	17.691	5191.1172	5208.8082	---	PASS
		5240	17.695	5231.0844	5248.7794	---	PASS
		5745	17.678	5736.1094	5753.7874	---	PASS
		5785	17.702	5776.0972	5793.7992	---	PASS
		5825	17.680	5816.0969	5833.7769	---	PASS
11AC40MIMO	Ant1	5190	36.176	5171.9006	5208.0766	---	PASS
		5230	36.170	5211.8871	5248.0571	---	PASS
		5755	36.179	5736.9071	5773.0861	---	PASS
		5795	36.162	5776.9051	5813.0671	---	PASS
11AC80MIMO	Ant1	5210	77.012	5171.3979	5248.4099	---	PASS
		5775	76.807	5736.4780	5813.2850	---	PASS
11AX20MIMO	Ant1	5180	18.985	5170.4629	5189.4479	---	PASS
		5200	18.951	5190.5048	5209.4558	---	PASS
		5240	18.993	5230.4424	5249.4354	---	PASS
		5745	19.022	5735.4264	5754.4484	---	PASS
		5785	18.939	5775.4850	5794.4240	---	PASS
		5825	18.961	5815.4497	5834.4107	---	PASS
11AX40MIMO	Ant1	5190	37.808	5171.0659	5208.8739	---	PASS
		5230	37.828	5211.0612	5248.8892	---	PASS
		5755	37.732	5736.1138	5773.8458	---	PASS
		5795	37.858	5776.0635	5813.9215	---	PASS
11AX80MIMO	Ant1	5210	77.659	5171.1888	5248.8478	---	PASS
		5775	77.483	5736.2986	5813.7816	---	PASS

Test Graphs

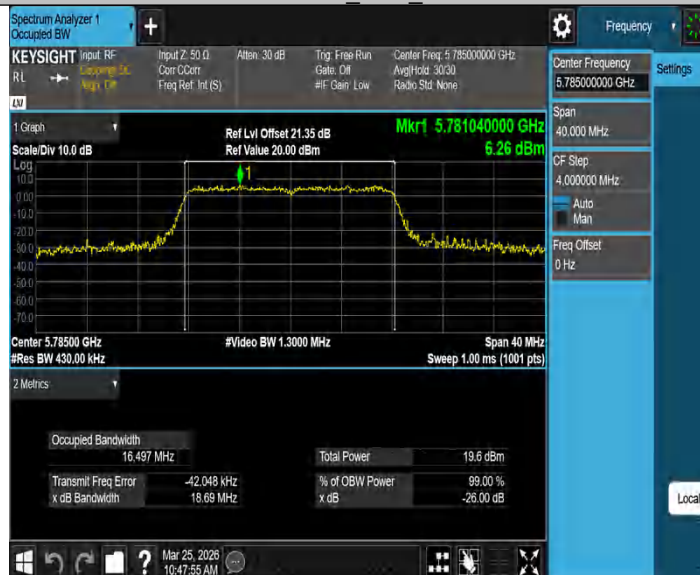




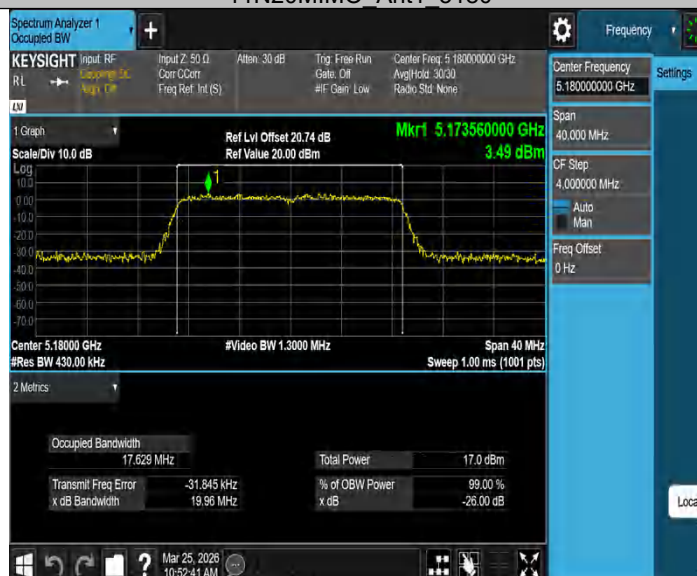
11A-CDD_Ant1 5745



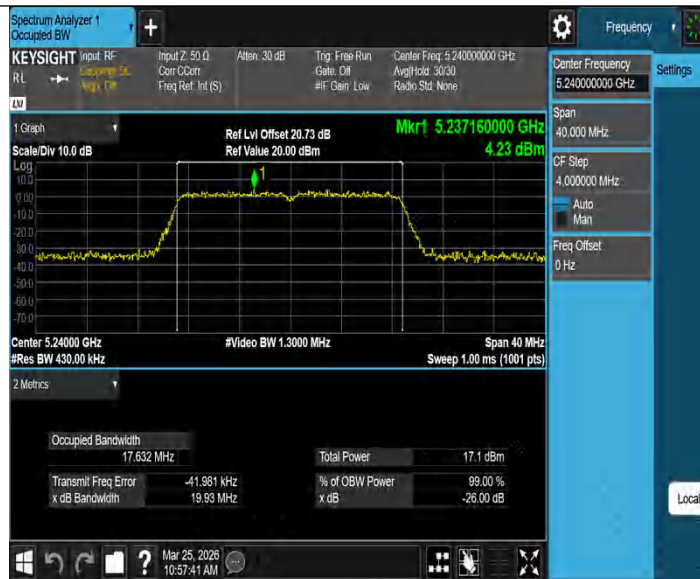
11A-CDD_Ant1 5785



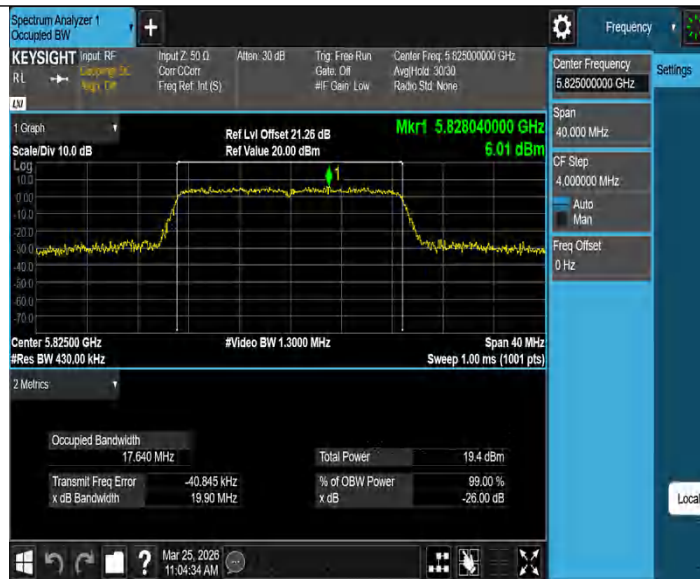
11A-CDD_Ant1 5825



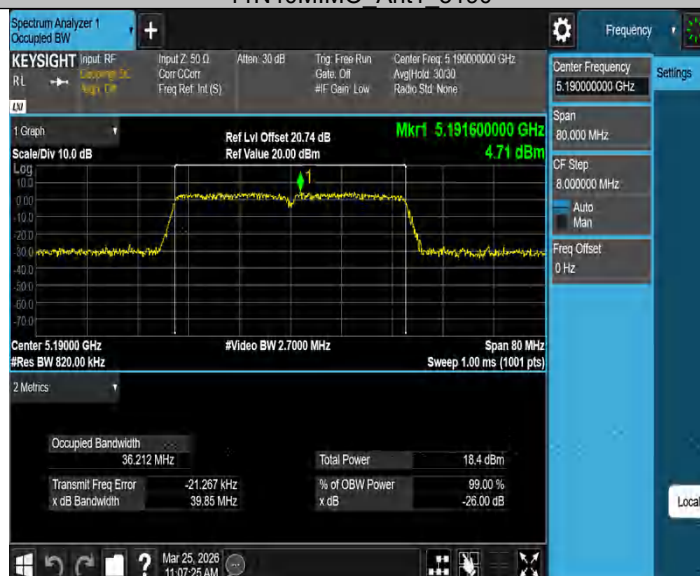
11N20MIMO Ant1 5240



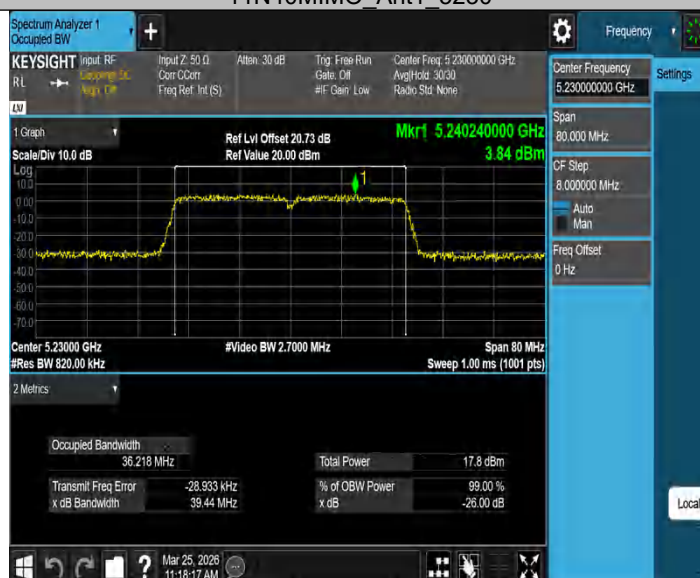
11N20MIMO Ant1 5825



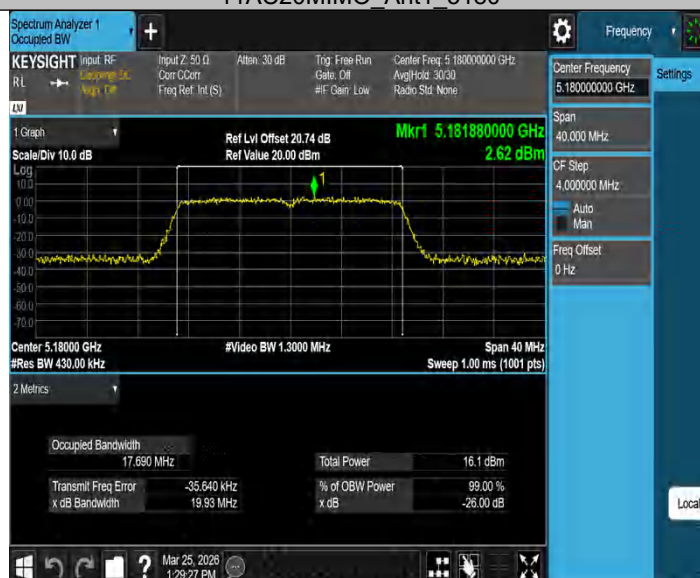
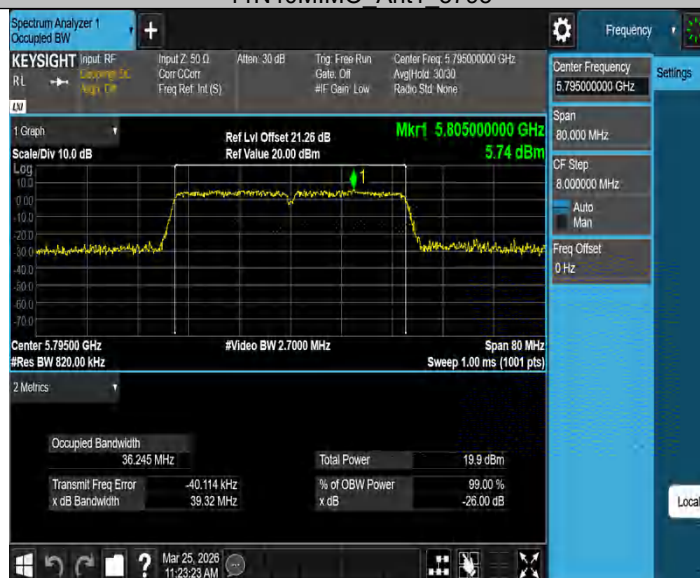
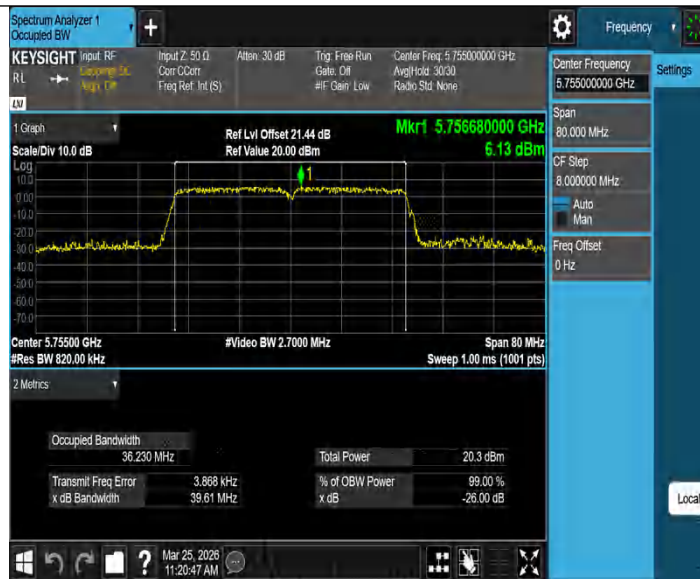
11N40MIMO_Ant1_5190



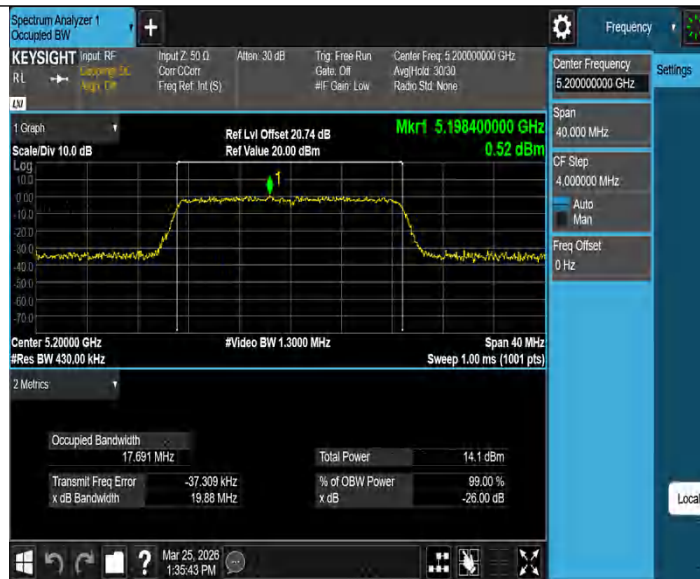
11N40MIMO_Ant1_5230



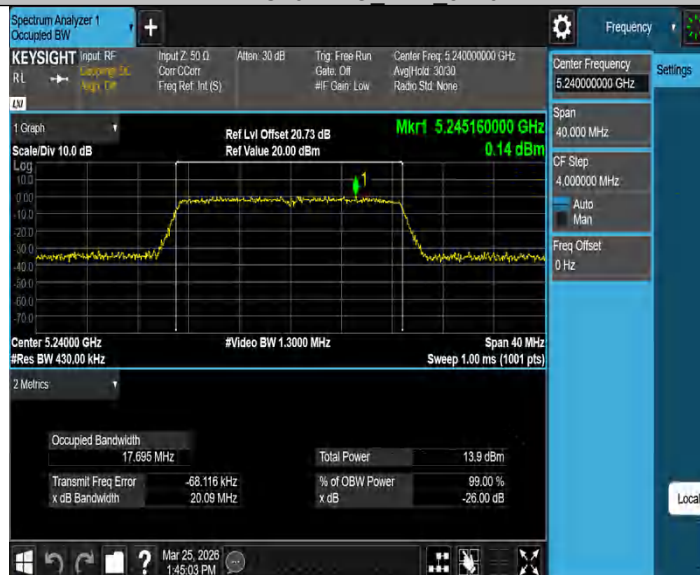
11N40MIMO_Ant1_5755



11AC20MIMO_Ant1_5200



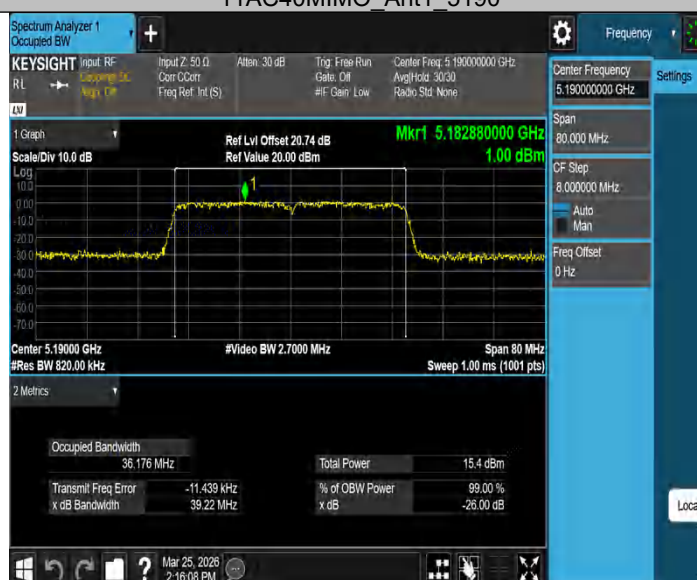
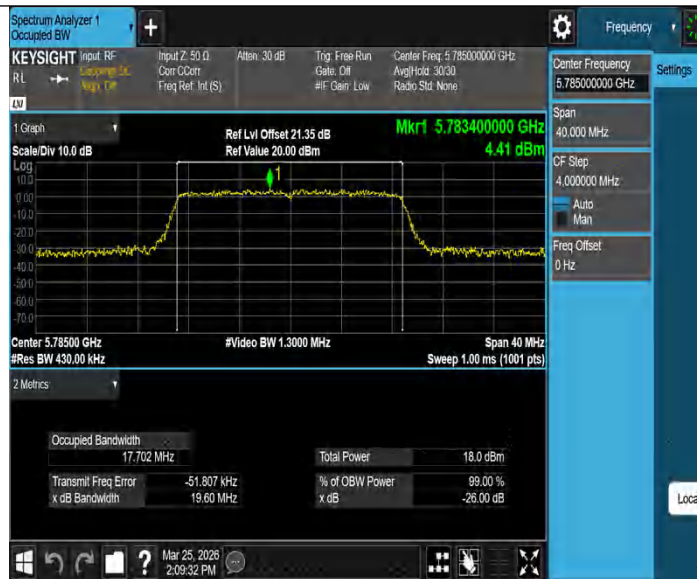
11AC20MIMO_Ant1_5240



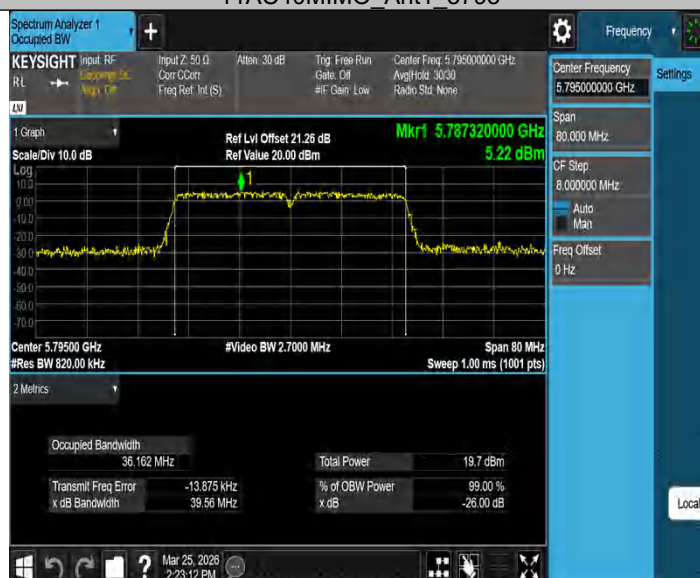
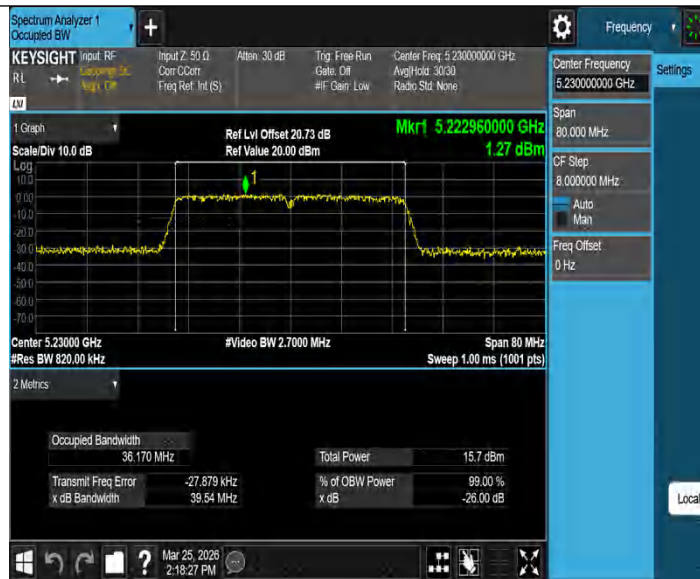
11AC20MIMO_Ant1_5745



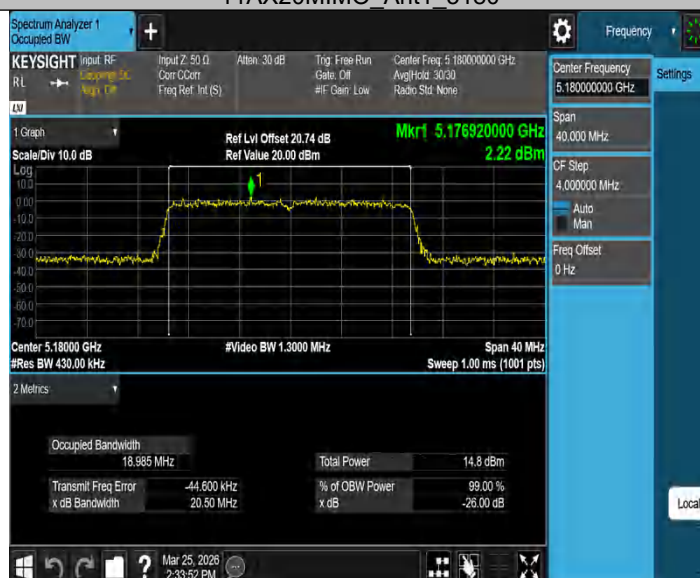
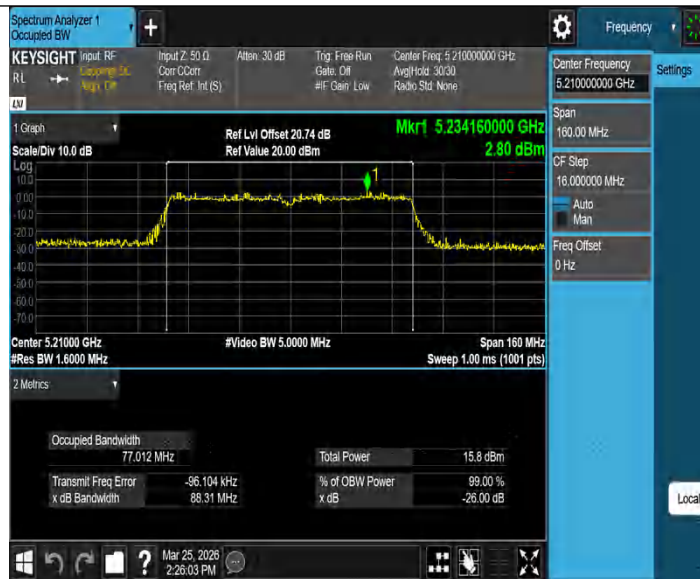
11AC20MIMO_Ant1_5785



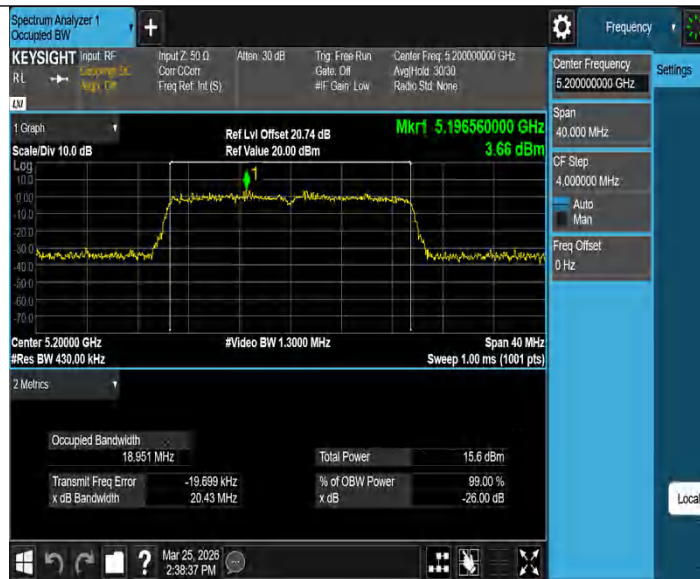
11AC40MIMO_Ant1_5230

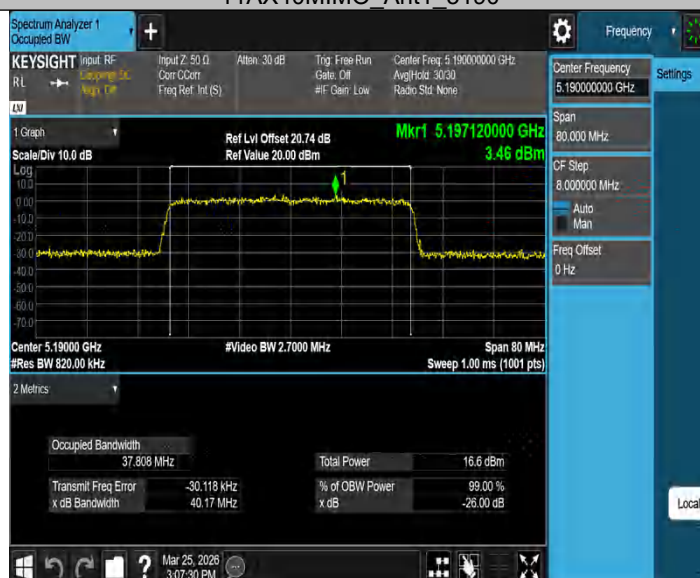
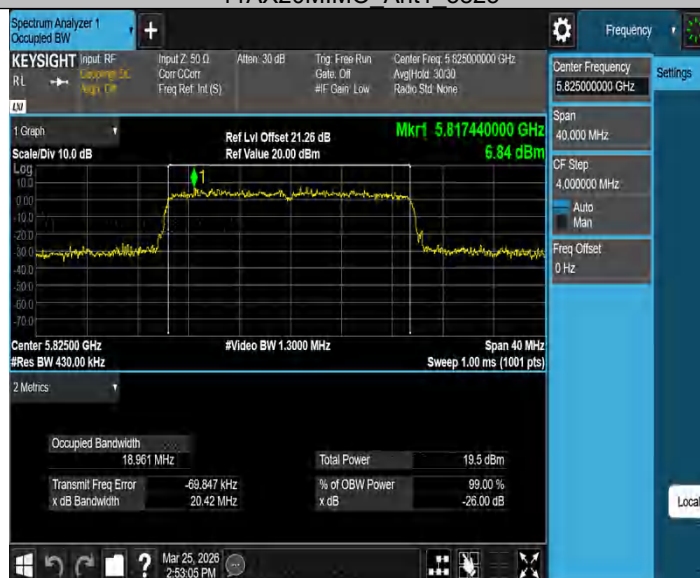
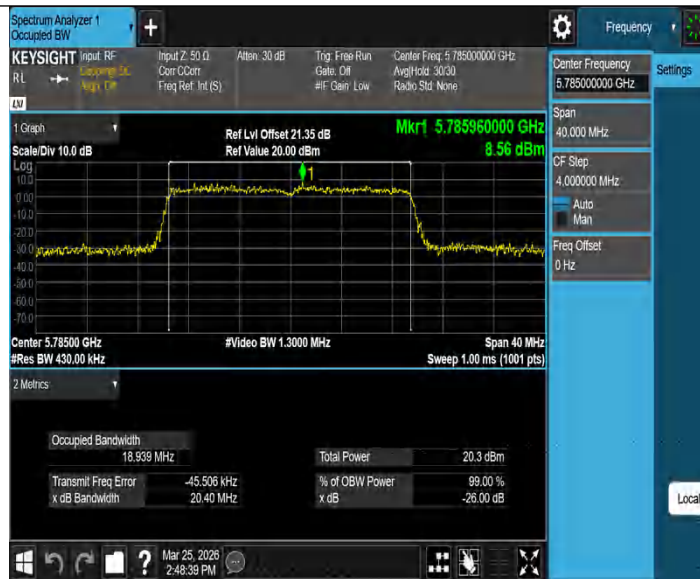


11AC80MIMO_Ant1_5210

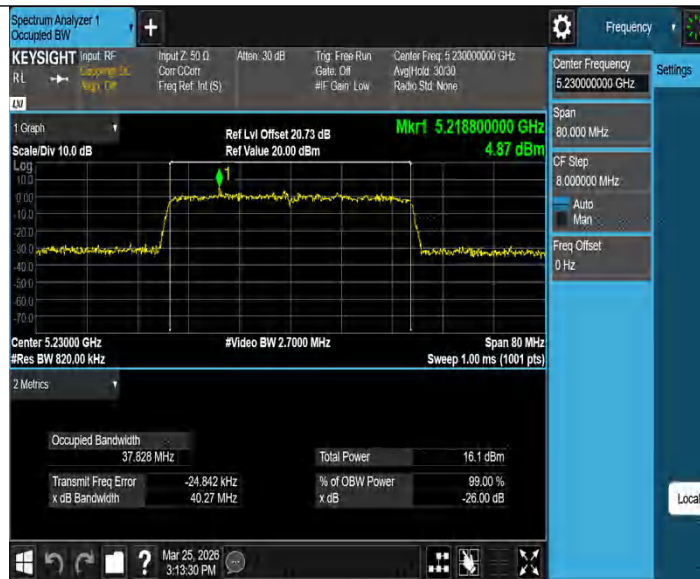


11AX20MIMO_Ant1_5200

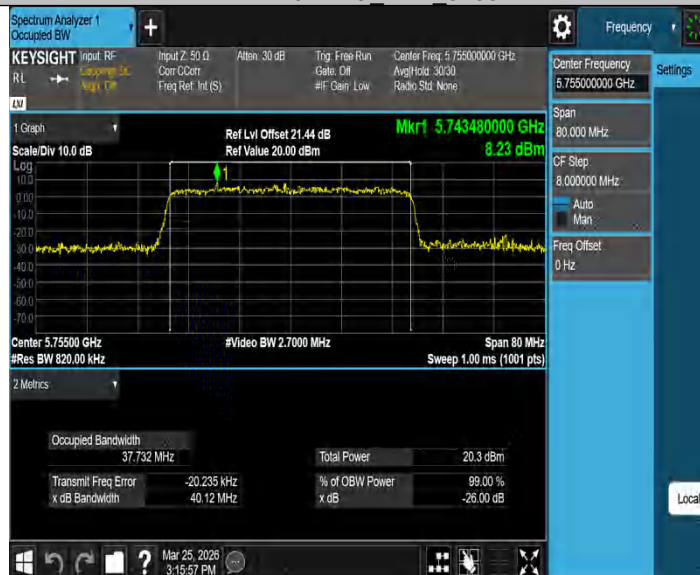




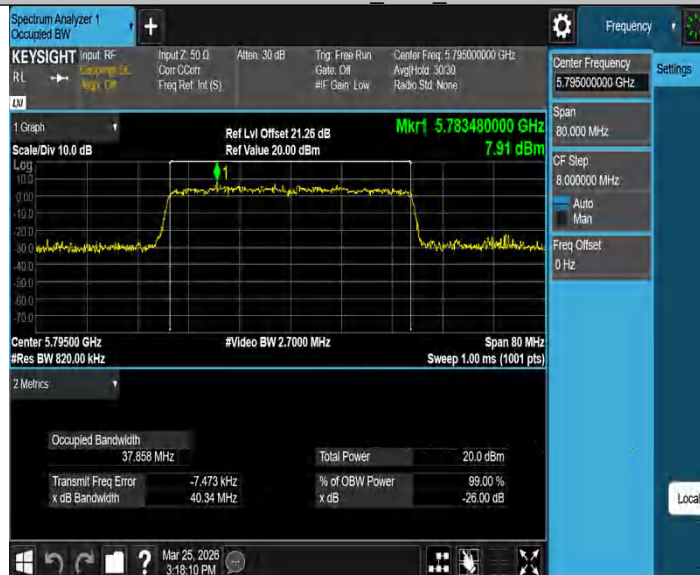
11AX40MIMO_Ant1_5230



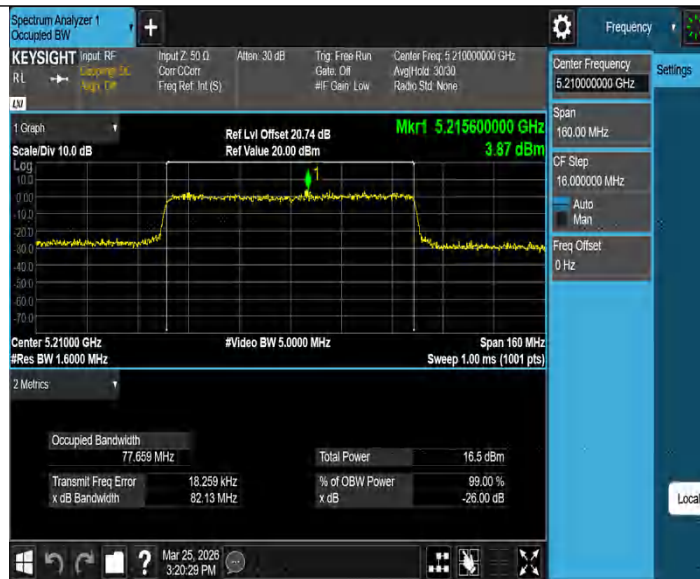
11AX40MIMO_Ant1_5755



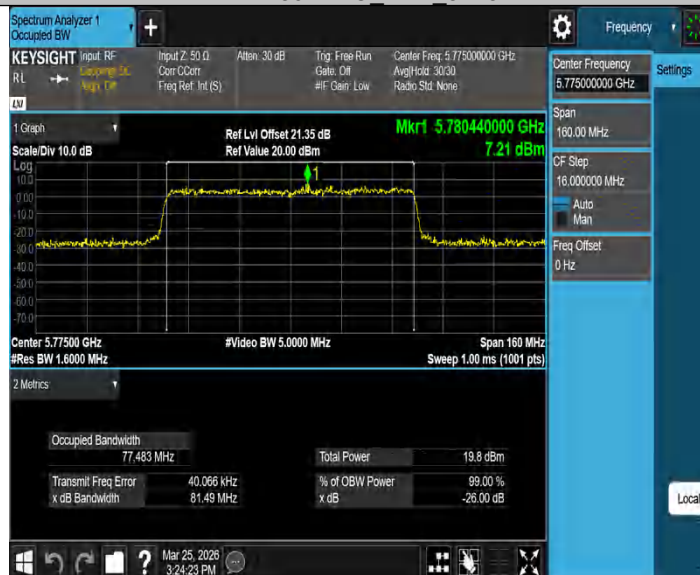
11AX40MIMO_Ant1_5795



11AX80MIMO_Ant1_5210



11AX80MIMO_Ant1_5775



Appendix B.3: Test Results of 6dB Bandwidth

Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5745	16.320	5736.800	5753.120	0.5	PASS
		5785	15.800	5777.080	5792.880	0.5	PASS
		5825	16.320	5816.800	5833.120	0.5	PASS
11N20MIMO	Ant1	5745	17.320	5736.200	5753.520	0.5	PASS
		5785	16.320	5776.440	5792.760	0.5	PASS
		5825	16.520	5816.560	5833.080	0.5	PASS
11N40MIMO	Ant1	5755	35.280	5737.480	5772.760	0.5	PASS
		5795	35.120	5777.400	5812.520	0.5	PASS
11AC20MIMO	Ant1	5745	17.520	5736.200	5753.720	0.5	PASS
		5785	16.920	5776.440	5793.360	0.5	PASS
		5825	16.920	5816.440	5833.360	0.5	PASS
11AC40MIMO	Ant1	5755	35.120	5737.400	5772.520	0.5	PASS
		5795	35.440	5777.080	5812.520	0.5	PASS
11AC80MIMO	Ant1	5775	76.320	5736.760	5813.080	0.5	PASS
11AX20MIMO	Ant1	5745	17.280	5735.720	5753.000	0.5	PASS
		5785	18.200	5775.680	5793.880	0.5	PASS
		5825	17.960	5815.760	5833.720	0.5	PASS
11AX40MIMO	Ant1	5755	37.600	5736.120	5773.720	0.5	PASS
		5795	37.520	5776.200	5813.720	0.5	PASS
11AX80MIMO	Ant1	5775	77.280	5736.120	5813.400	0.5	PASS

Test Graphs

11A-CDD_Ant1_5745



11A-CDD_Ant1_5785



11A-CDD_Ant1_5825



11N20MIMO Ant1 5745



11N20MIMO Ant1 5785



11N20MIMO Ant1 5825





11AC20MIMO_Ant1_5785



11AC20MIMO_Ant1_5825



11AC40MIMO_Ant1_5755



11AC40MIMO_Ant1_5795



11AC80MIMO_Ant1_5775



11AX20MIMO_Ant1_5745



11AX20MIMO_Ant1_5785



11AX20MIMO_Ant1_5825



11AX40MIMO_Ant1_5755



11AX40MIMO_Ant1_5795



11AX80MIMO_Ant1_5775



Appendix B.4: Test Results of Conducted Power Spectral Density

Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A-CDD	Ant1	5180	1.32	≤11.00	PASS
	Ant2	5180	-1.25	≤11.00	PASS
	total	5180	3.23	≤11.00	PASS
	Ant1	5200	1.58	≤11.00	PASS
	Ant2	5200	-0.82	≤11.00	PASS
	total	5200	3.55	≤11.00	PASS
	Ant1	5240	1.26	≤11.00	PASS
	Ant2	5240	-0.82	≤11.00	PASS
	total	5240	3.35	≤11.00	PASS
	Ant1	5745	1.22	≤30.00	PASS
	Ant2	5745	-1.84	≤30.00	PASS
	total	5745	2.96	≤30.00	PASS
	Ant1	5785	1.09	≤30.00	PASS
	Ant2	5785	-1.72	≤30.00	PASS
	total	5785	2.92	≤30.00	PASS
	Ant1	5825	0.68	≤30.00	PASS
	Ant2	5825	-1.77	≤30.00	PASS
	total	5825	2.64	≤30.00	PASS
11N20MIMO	Ant1	5180	0.97	≤11.00	PASS
	Ant2	5180	-1.20	≤11.00	PASS
	total	5180	3.03	≤11.00	PASS
	Ant1	5200	1.07	≤11.00	PASS
	Ant2	5200	-1.15	≤11.00	PASS
	total	5200	3.11	≤11.00	PASS
	Ant1	5240	1.03	≤11.00	PASS
	Ant2	5240	-0.90	≤11.00	PASS
	total	5240	3.18	≤11.00	PASS
	Ant1	5745	0.53	≤30.00	PASS
	Ant2	5745	-2.66	≤30.00	PASS
	total	5745	2.23	≤30.00	PASS
	Ant1	5785	0.45	≤30.00	PASS
	Ant2	5785	-2.78	≤30.00	PASS
	total	5785	2.14	≤30.00	PASS
	Ant1	5825	0.53	≤30.00	PASS
	Ant2	5825	-2.73	≤30.00	PASS
	total	5825	2.21	≤30.00	PASS
11N40MIMO	Ant1	5190	-1.88	≤11.00	PASS
	Ant2	5190	-3.93	≤11.00	PASS
	total	5190	0.23	≤10.99	PASS
	Ant1	5230	-1.98	≤11.00	PASS
	Ant2	5230	-4.04	≤11.00	PASS
	total	5230	0.12	≤10.99	PASS
	Ant1	5755	-2.11	≤30.00	PASS
	Ant2	5755	-5.27	≤30.00	PASS
	total	5755	-0.40	≤29.99	PASS
	Ant1	5795	-2.83	≤30.00	PASS
	Ant2	5795	-5.07	≤30.00	PASS
	total	5795	-0.80	≤29.99	PASS
11AC20MIMO	Ant1	5180	-1.82	≤11.00	PASS
	Ant2	5180	-3.65	≤11.00	PASS
	total	5180	0.37	≤11.00	PASS
	Ant1	5200	-1.39	≤11.00	PASS
	Ant2	5200	-2.60	≤11.00	PASS
	total	5200	1.06	≤11.00	PASS
	Ant1	5240	-1.09	≤11.00	PASS
	Ant2	5240	-3.05	≤11.00	PASS
	total	5240	1.05	≤11.00	PASS

	Ant1	5745	0.62	≤30.00	PASS
	Ant2	5745	-2.76	≤30.00	PASS
	total	5745	2.26	≤30.00	PASS
	Ant1	5785	0.30	≤30.00	PASS
	Ant2	5785	-1.90	≤30.00	PASS
	total	5785	2.35	≤30.00	PASS
	Ant1	5825	0.48	≤30.00	PASS
	Ant2	5825	-2.61	≤30.00	PASS
	total	5825	2.21	≤29.99	PASS
11AC40MIMO	Ant1	5190	-4.32	≤11.00	PASS
	Ant2	5190	-6.10	≤11.00	PASS
	total	5190	-2.11	≤10.99	PASS
	Ant1	5230	-3.98	≤11.00	PASS
	Ant2	5230	-5.58	≤11.00	PASS
	total	5230	-1.70	≤10.99	PASS
	Ant1	5755	-2.75	≤30.00	PASS
	Ant2	5755	-3.84	≤30.00	PASS
	total	5755	-0.25	≤29.99	PASS
	Ant1	5795	-2.75	≤30.00	PASS
	Ant2	5795	-4.19	≤30.00	PASS
	total	5795	-0.40	≤29.99	PASS
11AC80MIMO	Ant1	5210	-7.28	≤11.00	PASS
	Ant2	5210	-9.08	≤11.00	PASS
	total	5210	-5.08	≤10.99	PASS
	Ant1	5775	-5.96	≤30.00	PASS
	Ant2	5775	-6.80	≤30.00	PASS
	total	5775	-3.35	≤29.99	PASS
11AX20MIMO	Ant1	5180	-1.81	≤11.00	PASS
	Ant2	5180	-3.14	≤11.00	PASS
	total	5180	0.59	≤11.00	PASS
	Ant1	5200	-1.77	≤11.00	PASS
	Ant2	5200	-2.95	≤11.00	PASS
	total	5200	0.69	≤11.00	PASS
	Ant1	5240	-1.70	≤11.00	PASS
	Ant2	5240	-2.98	≤11.00	PASS
	total	5240	0.72	≤11.00	PASS
	Ant1	5745	0.57	≤30.00	PASS
	Ant2	5745	-2.43	≤30.00	PASS
	total	5745	2.33	≤30.00	PASS
	Ant1	5785	0.08	≤30.00	PASS
	Ant2	5785	-2.56	≤30.00	PASS
	total	5785	1.97	≤30.00	PASS
	Ant1	5825	0.03	≤30.00	PASS
	Ant2	5825	-2.58	≤30.00	PASS
	total	5825	1.93	≤29.99	PASS
11AX40MIMO	Ant1	5190	-3.71	≤11.00	PASS
	Ant2	5190	-5.38	≤11.00	PASS
	total	5190	-1.45	≤10.99	PASS
	Ant1	5230	-4.79	≤11.00	PASS
	Ant2	5230	-5.61	≤11.00	PASS
	total	5230	-2.17	≤10.99	PASS
	Ant1	5755	-2.89	≤30.00	PASS
	Ant2	5755	-5.83	≤30.00	PASS
	total	5755	-1.11	≤29.99	PASS
	Ant1	5795	-3.59	≤30.00	PASS
	Ant2	5795	-5.42	≤30.00	PASS
	total	5795	-1.40	≤29.99	PASS
11AX80MIMO	Ant1	5210	-7.56	≤11.00	PASS
	Ant2	5210	-8.34	≤11.00	PASS
	total	5210	-4.92	≤10.99	PASS
	Ant1	5775	-6.68	≤30.00	PASS
	Ant2	5775	-7.06	≤30.00	PASS
	total	5775	-3.86	≤29.99	PASS

U-NII 1:

SISO Max. e.i.r.p. spectral density= $1.58\text{dBm} + 1.81\text{dBi} = 3.39\text{dBm/MHz}$, which is less than 10dBm/MHz

MIMO Max. e.i.r.p. spectral density= $3.55\text{dBm} + 4.81\text{dBi}$ (Directional Gain) $= 8.36\text{dBm/MHz}$, which is less than 10dBm/MHz

Note:

- 1) The Duty Cycle Factor and RBW Factor is compensated in the graph.
- 2) Antenna gain(G): 1.81dBi for ANT1 / ANT2; 4.81dBi for MIMO mode (5150-5250MHz Band).
- 3) The Result and Limit Unit is $\text{dBm}/500\text{ kHz}$ in the band 5.725~5.85 GHz.

Test Graphs

11A-CDD_Ant1_5180



11A-CDD_Ant2_5180



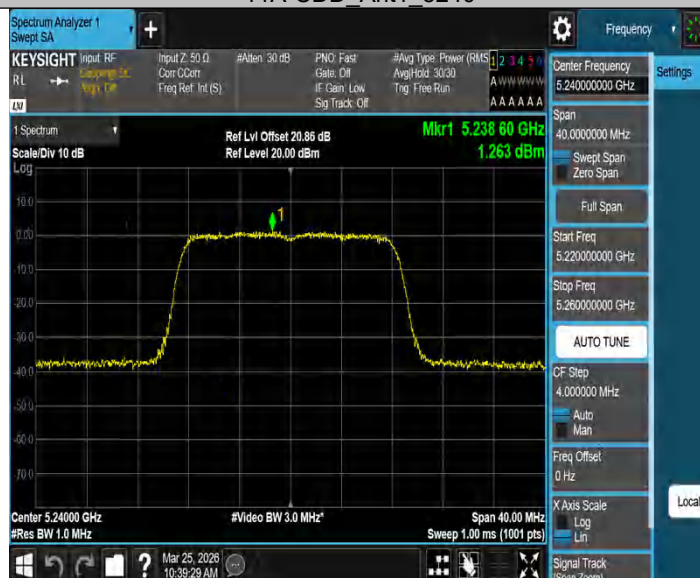
11A-CDD_Ant1_5200



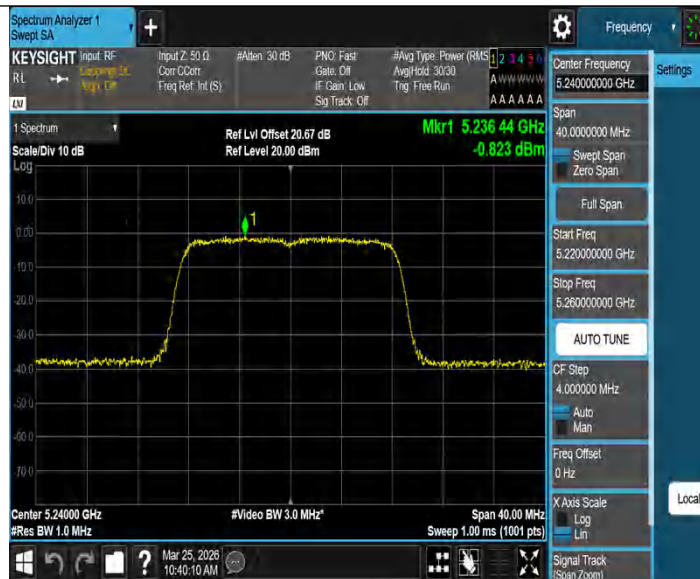
11A-CDD Ant2 5200



11A-CDD Ant1 5240



11A-CDD Ant2 5240





11A-CDD Ant2 5785



11A-CDD Ant1 5825



11A-CDD Ant2 5825



11N20MIMO Ant1 5180



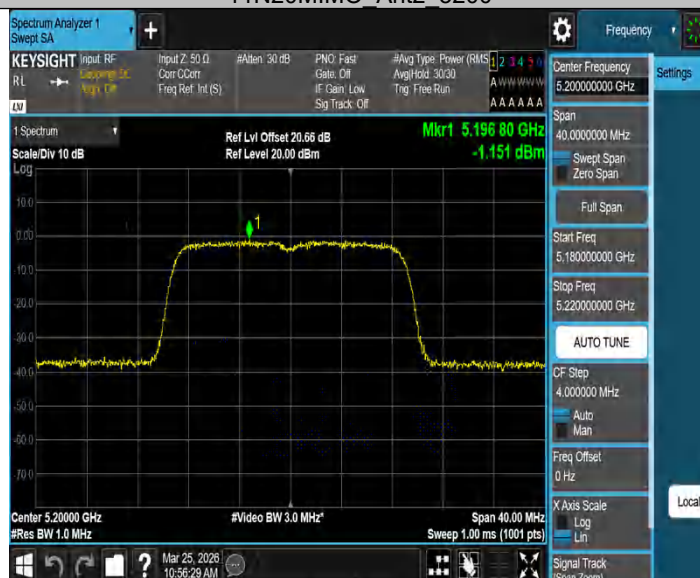
11N20MIMO Ant2 5180



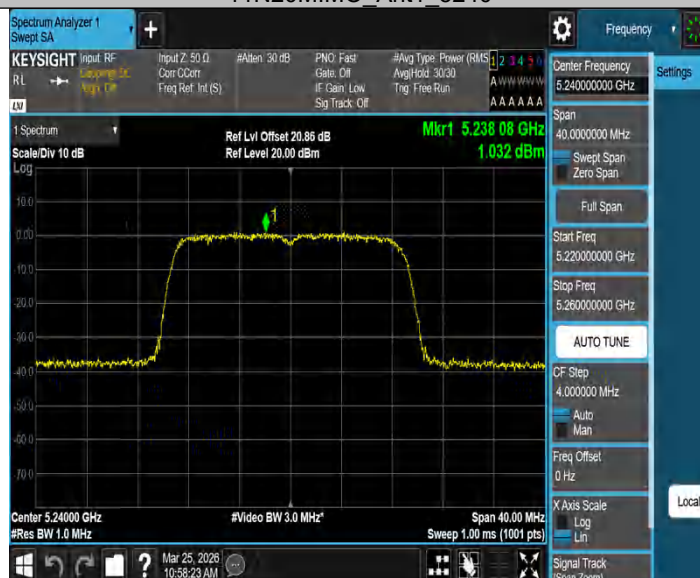
11N20MIMO Ant1 5200



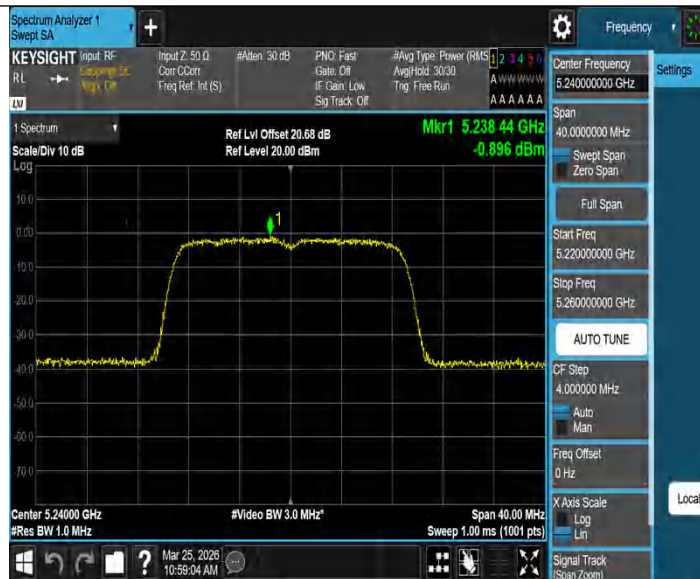
11N20MIMO_Ant2_5200



11N20MIMO_Ant1_5240



11N20MIMO_Ant2_5240





11N20MIMO_Ant2_5785

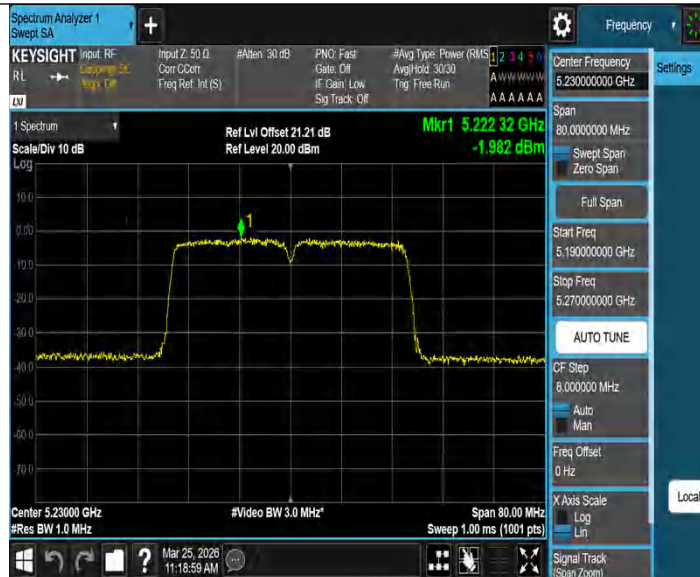


11N20MIMO_Ant1_5825

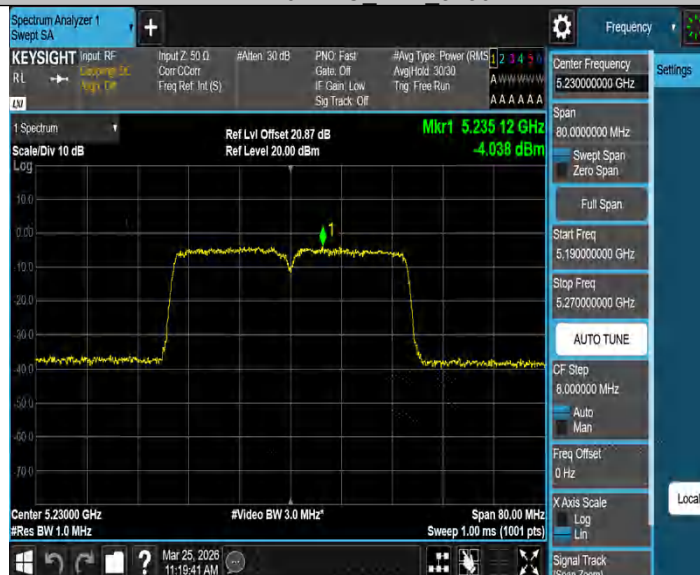


11N20MIMO_Ant2_5825

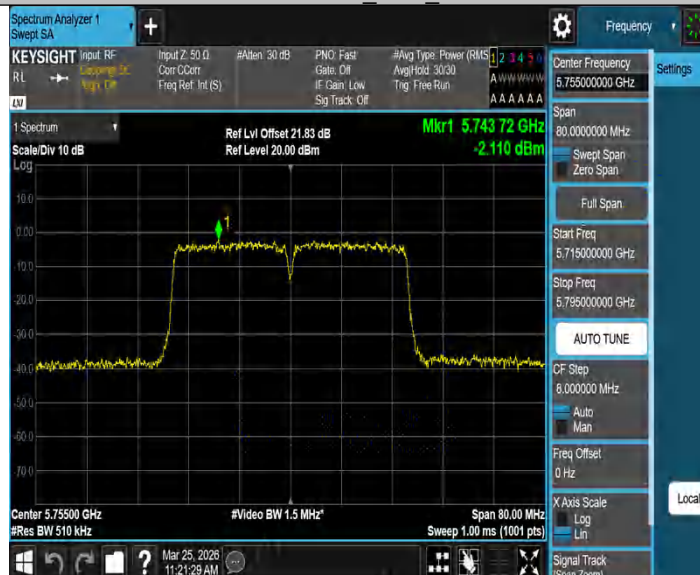




11N40MIMO Ant2 5230



11N40MIMO Ant1 5755



11N40MIMO Ant2 5755



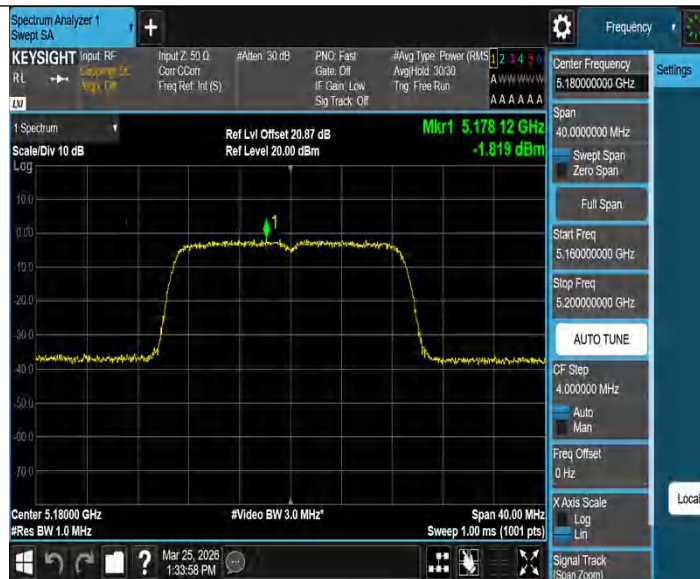
11N40MIMO_Ant1_5795



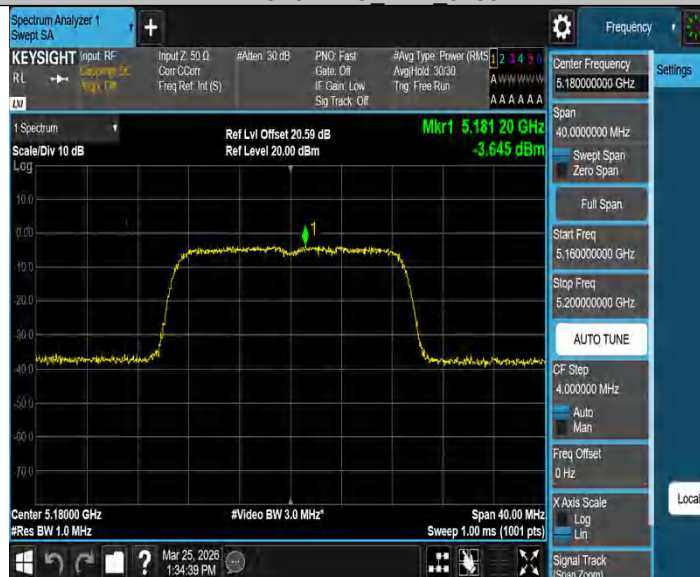
11N40MIMO_Ant2_5795



11AC20MIMO_Ant1_5180



11AC20MIMO_Ant2_5180



11AC20MIMO_Ant1_5200



11AC20MIMO_Ant2_5200

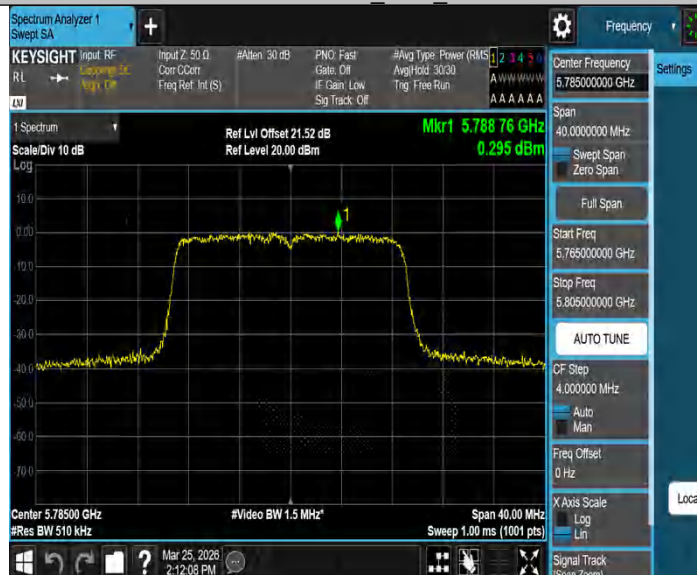




11AC20MIMO_Ant2_5745

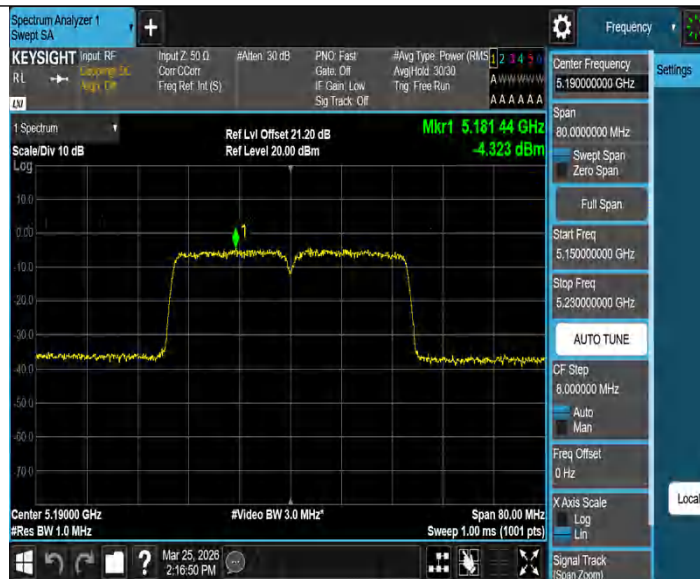


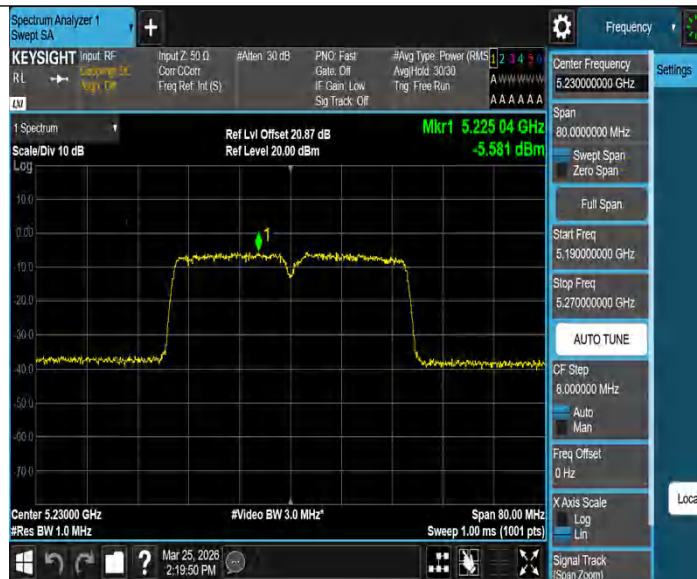
11AC20MIMO_Ant1_5785



11AC20MIMO_Ant2_5785







11AC40MIMO_Ant1_5755



11AC40MIMO_Ant2_5755



11AC40MIMO_Ant1_5795



11AC40MIMO_Ant2_5795



11AC80MIMO_Ant1_5210



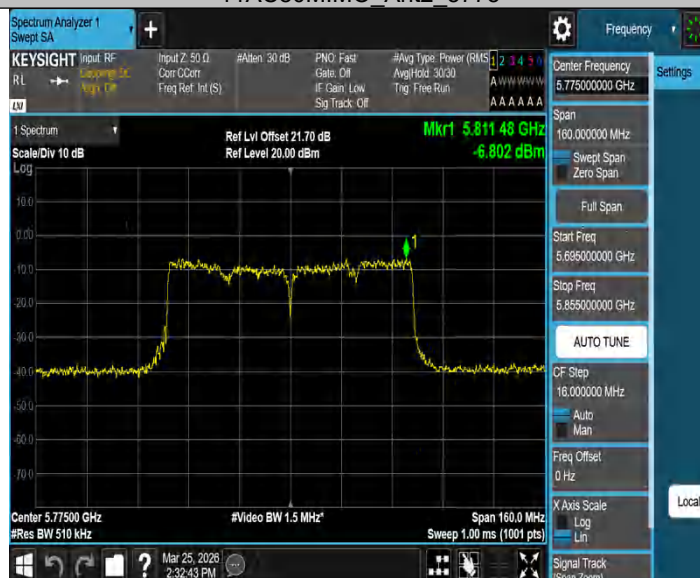
11AC80MIMO_Ant2_5210



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775



11AX20MIMO_Ant1_5180



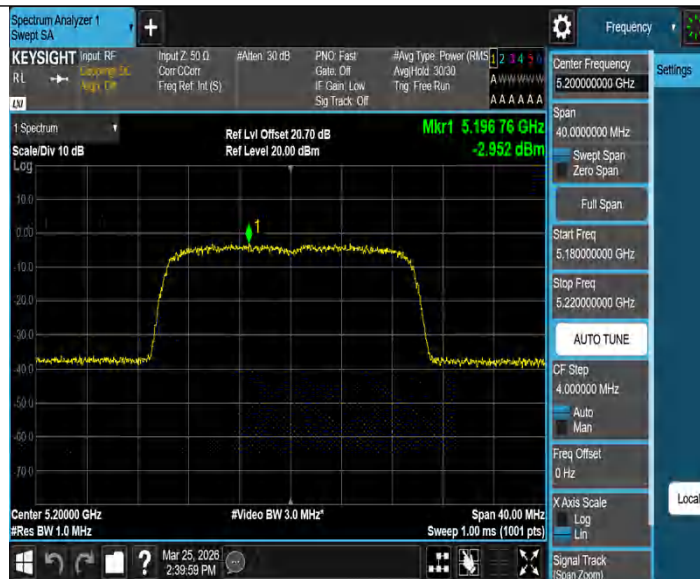
11AX20MIMO_Ant2_5180



11AX20MIMO_Ant1_5200



11AX20MIMO_Ant2_5200





11AX20MIMO_Ant2_5745



11AX20MIMO_Ant1_5785



11AX20MIMO_Ant2_5785



11AX20MIMO_Ant1_5825



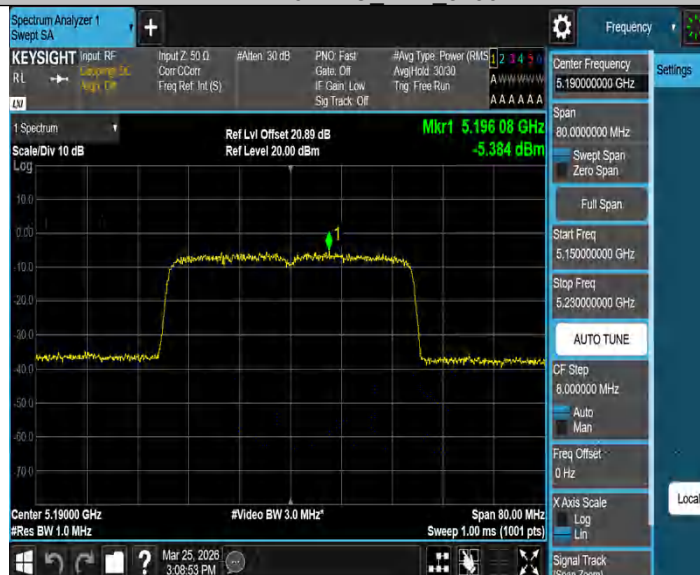
11AX20MIMO_Ant2_5825



11AX40MIMO_Ant1_5190



11AX40MIMO_Ant2_5190



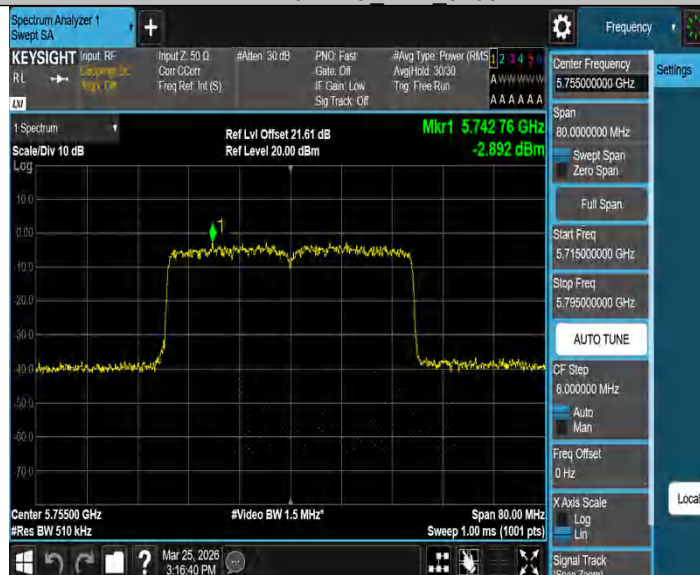
11AX40MIMO_Ant1_5230



11AX40MIMO_Ant2_5230



11AX40MIMO_Ant1_5755



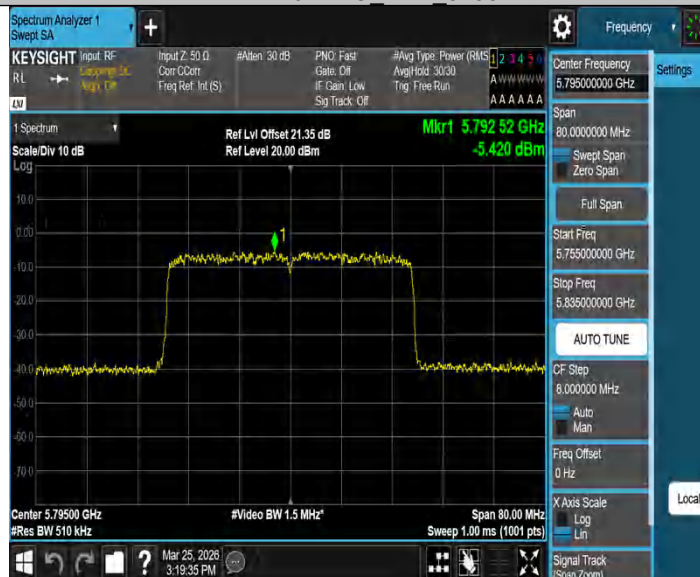
11AX40MIMO_Ant2_5755



11AX40MIMO_Ant1_5795



11AX40MIMO_Ant2_5795



11AX80MIMO_Ant1_5210



11AX80MIMO_Ant2_5210



11AX80MIMO_Ant1_5775



11AX80MIMO_Ant2_5775



Appendix B.5: Test Results of Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AX20MI MO	Ant1	5180	NV	NT	-60000.00	-11.583012	20	PASS
		5200	NV	NT	-60000.00	-11.538462	20	PASS
		5240	NV	NT	-60000.00	-11.450382	20	PASS
		5745	NV	NT	-20000.00	-3.481288	20	PASS
		5785	NV	NT	-20000.00	-3.457217	20	PASS
		5825	NV	NT	-20000.00	-3.433476	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AX20MI MO	Ant1	5180	NV	0	-60000.00	-11.583012	20	PASS
			NV	40	-60000.00	-11.583012	20	PASS
		5200	NV	0	-60000.00	-11.538462	20	PASS
			NV	40	-60000.00	-11.538462	20	PASS
		5240	NV	0	-40000.00	-7.633588	20	PASS
			NV	40	-40000.00	-7.633588	20	PASS
		5745	NV	0	-20000.00	-3.481288	20	PASS
			NV	40	-20000.00	-3.481288	20	PASS
		5785	NV	0	-20000.00	-3.457217	20	PASS
			NV	40	-20000.00	-3.457217	20	PASS
		5825	NV	0	-20000.00	-3.433476	20	PASS
			NV	40	-20000.00	-3.433476	20	PASS

Appendix B.6: Test Results of Radiated Spurious Emissions

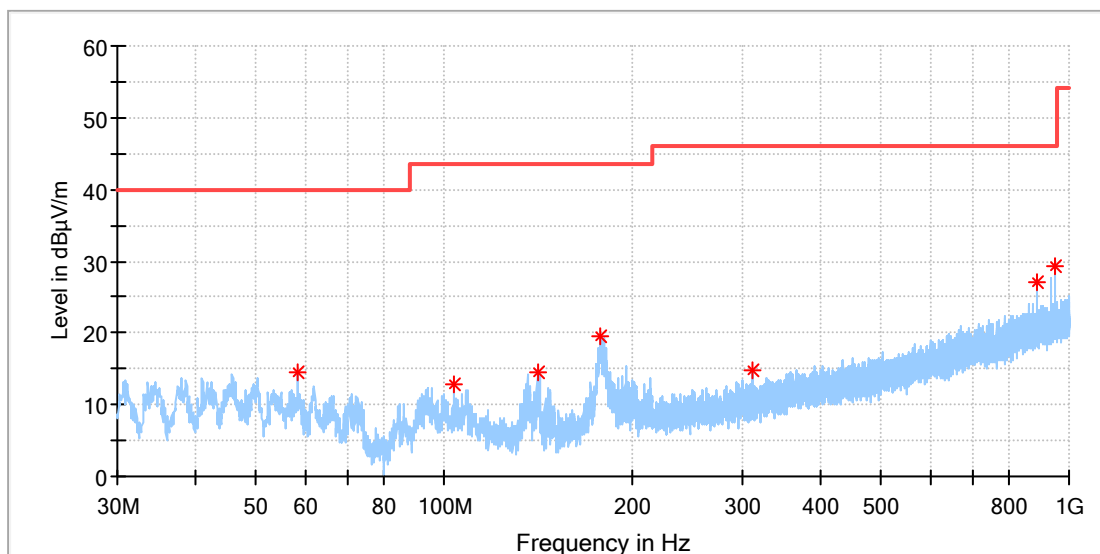
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 40GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz

EUT Information

EUT Name:	AiMOGA Mornine
Model:	M1
Test Mode:	WIFI 5G_11a_Ch40
Order No/Sample No:	168584456/A004209761-009
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

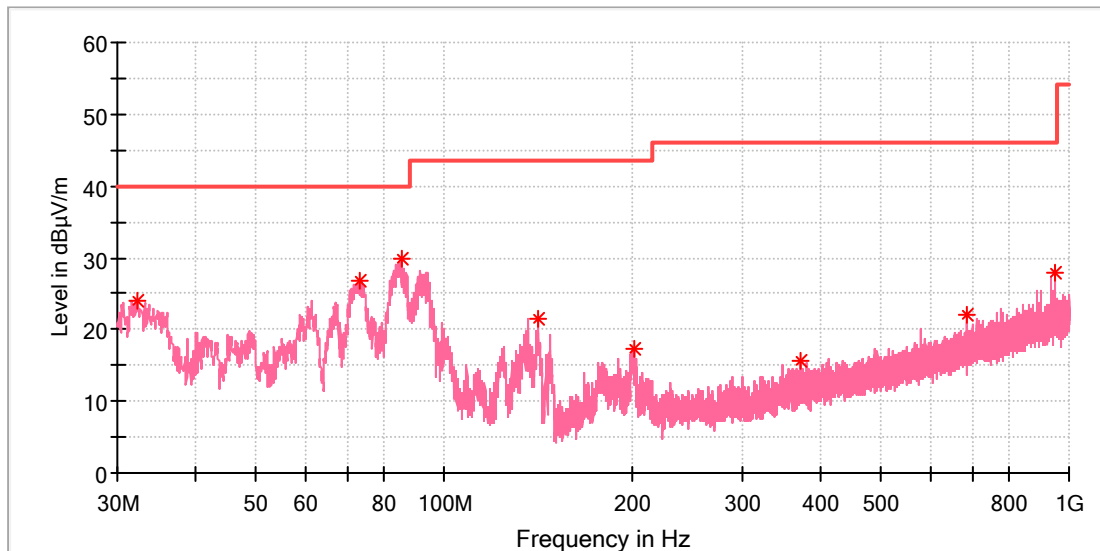
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
58.345556	14.40	40.00	25.60	100.0	H	102.0	-18.9
103.989444	12.95	43.50	30.55	100.0	H	242.0	-18.9
140.957222	14.53	43.50	28.97	100.0	H	46.0	-22.4
177.332222	19.42	43.50	24.08	100.0	H	78.0	-20.8
312.270000	14.87	46.00	31.13	100.0	H	102.0	-16.0
890.982778	26.97	46.00	19.03	100.0	H	212.0	-4.9
948.428333	29.34	46.00	16.66	100.0	H	263.0	-4.3

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: AiMOGA Mornine
Model: M1
Test Mode: WIFI 5G_11a_Ch40
Order No/Sample No: 168584456/A004209761-009
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.317222	24.12	40.00	15.88	100.0	V	16.0	-22.7
73.326667	26.65	40.00	13.35	100.0	V	0.0	-23.0
85.451667	29.78	40.00	10.22	100.0	V	246.0	-22.4
141.711667	21.59	43.50	21.91	100.0	V	16.0	-22.4
201.097222	17.40	43.50	26.10	100.0	V	184.0	-19.1
372.248333	15.53	46.00	30.47	100.0	V	321.0	-14.4
686.905556	22.18	46.00	23.82	100.0	V	199.0	-8.2
948.482222	27.82	46.00	18.18	100.0	V	184.0	-4.3

Final Result

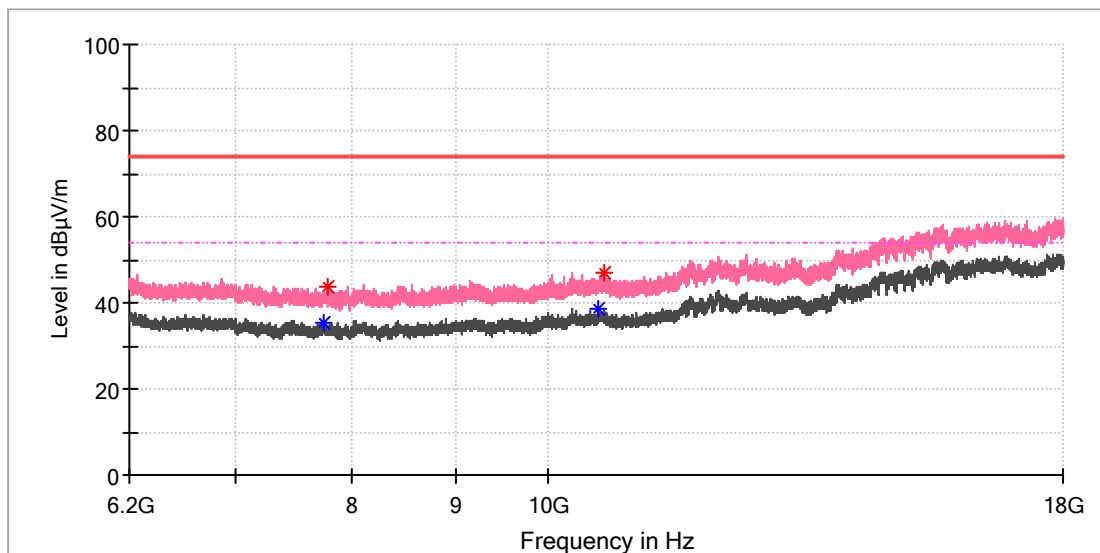
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	AiMOGA Mornine
Model:	M1
Test Mode:	WIFI 5G_11a_Ch40
Order No/Sample No:	168584456/A004209761-009
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7740.391667	---	35.44	54.00	18.56	150.0	V	339.0	8.8
7782.675000	43.83	---	74.00	30.17	150.0	V	43.0	8.9
10588.125000	---	38.63	54.00	15.37	150.0	V	106.0	12.1
10671.708333	46.95	---	74.00	27.05	150.0	V	219.0	11.9

Final Result

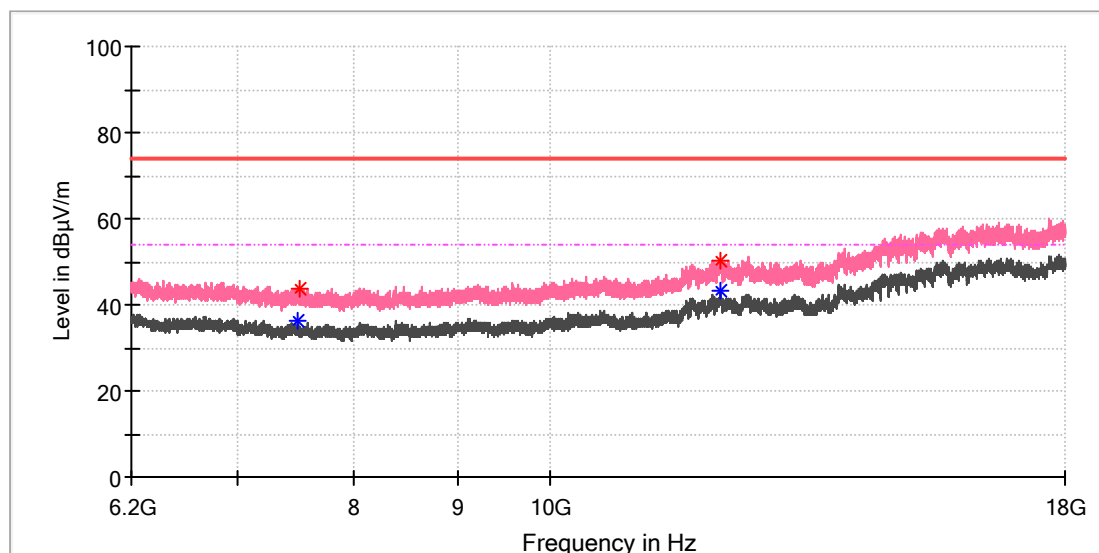
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	AiMOGA Mornine
Model:	M1
Test Mode:	WIFI 5G_11a_Ch157
Order No/Sample No:	168584456/A004209761-009
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7504.391667	---	36.42	54.00	17.58	150.0	V	163.0	8.7
7511.766667	43.61	---	74.00	30.39	150.0	V	219.0	8.7
12146.708333	---	43.15	54.00	10.85	150.0	V	343.0	16.6
12150.150000	50.06	---	74.00	23.94	150.0	V	331.0	16.7

Final Result

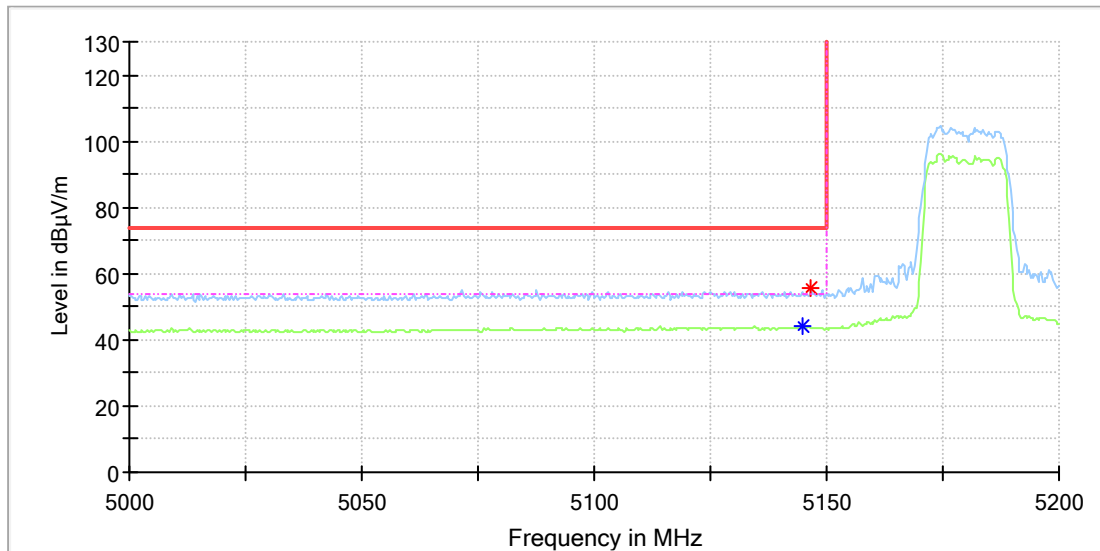
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix B.7: Test Results of Radiated Emissions in Restricted Bands

Wi-Fi 802.11 a mode

EUT Information

EUT Name:	AiMOGA Mornine
Model:	M1
Test Mode:	WIFI 5G_11a_Ch36
Order No/Sample No:	168584456/A004209761-009
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

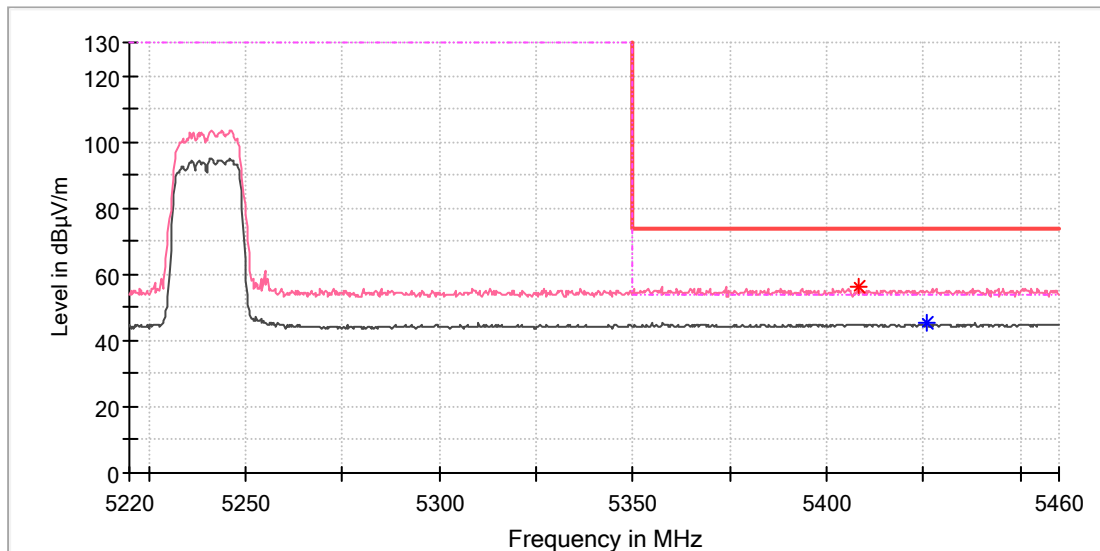
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5145.038889	---	44.39	54.00	9.61	150.0	H	82.0	13.9
5146.677778	55.73	---	74.00	18.27	150.0	H	111.0	13.9

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	AiMOGA Mornine
Model:	M1
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	168584456/A004209761-009
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

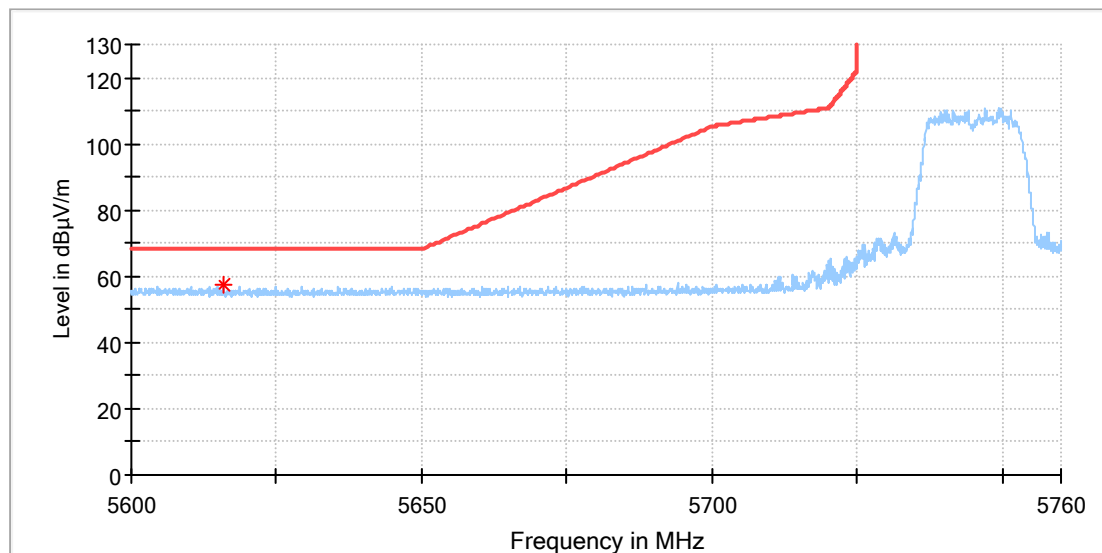
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5408.177778	56.51	---	74.00	17.49	150.0	V	356.0	15.0
5425.844444	---	45.36	54.00	8.64	150.0	V	301.0	15.0

Final Result

[illegible]

EUT Information

EUT Name: AiMOGA Mornine
Model: M1
Test Mode: WIFI 5G_11a_Ch149
Order No/Sample No: 168584456/A004209761-009
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

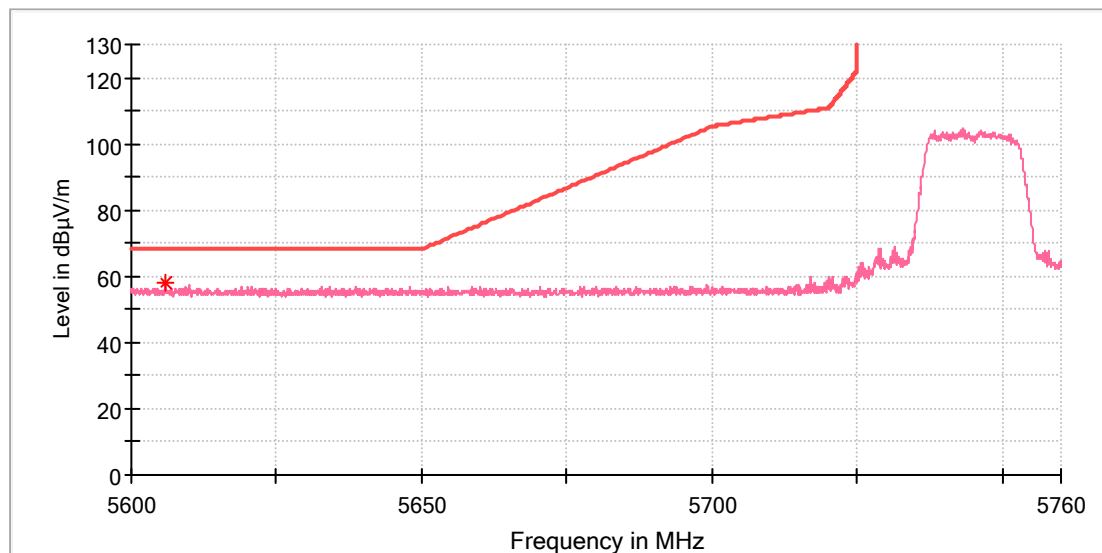
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5615.827778	57.17	68.20	11.03	150.0	H	228.0	15.3

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	AiMOGA Mornine
Model:	M1
Test Mode:	WIFI 5G_11a_Ch149
Order No/Sample No:	168584456/A004209761-009
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

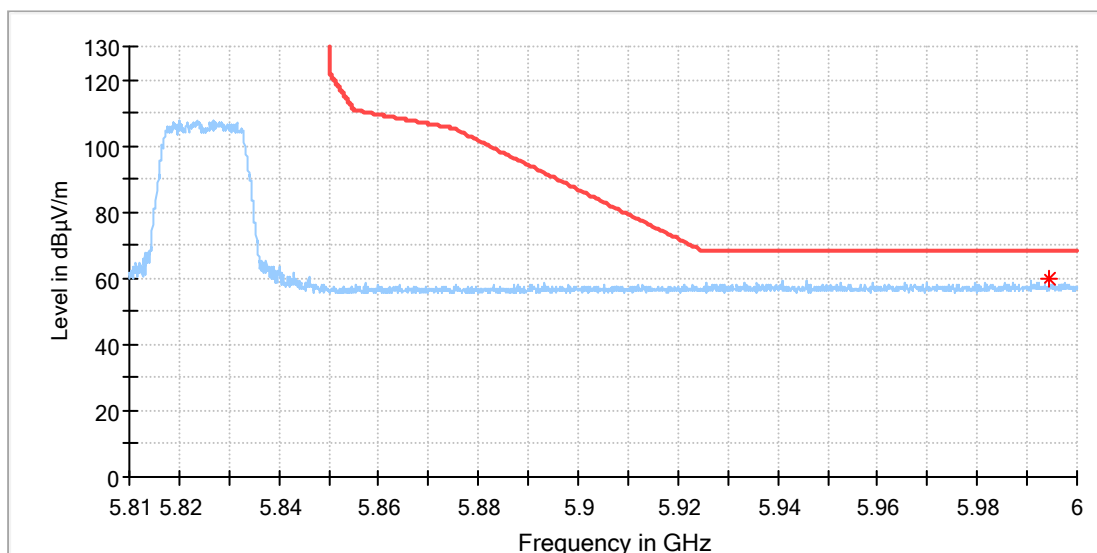
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5605.866667	57.97	68.20	10.23	150.0	V	22.0	15.3

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	AiMOGA Mornine
Model:	M1
Test Mode:	WIFI 5G_11a_Ch165
Order No/Sample No:	168584456/A004209761-009
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

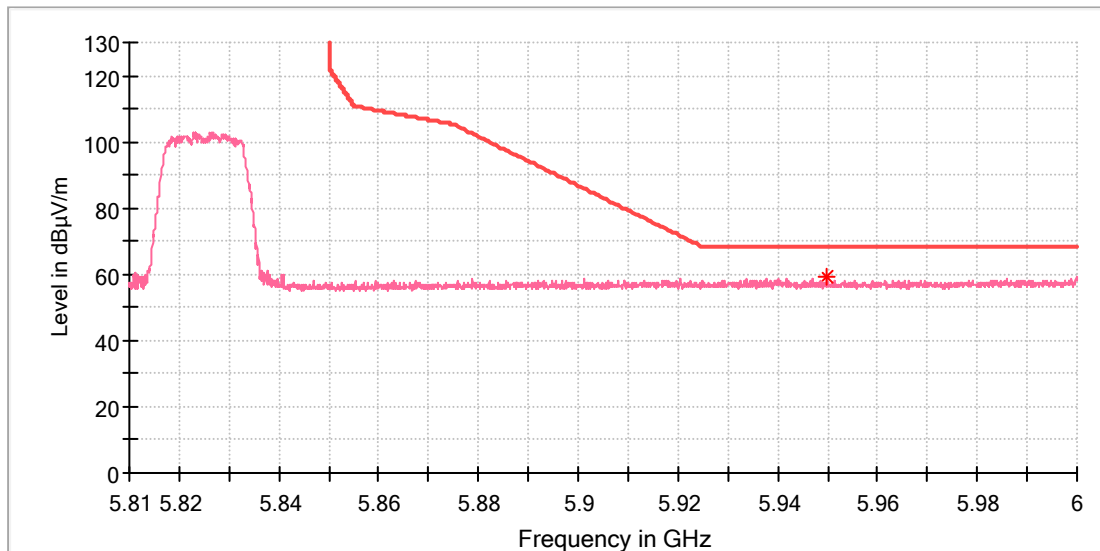
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5994.270833	59.65	68.20	8.55	150.0	H	118.0	16.5

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: AiMOGA Mornine
Model: M1
Test Mode: WIFI 5G_11a_Ch165
Order No/Sample No: 168584456/A004209761-009
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5949.965278	59.23	68.20	8.97	150.0	V	128.0	16.3

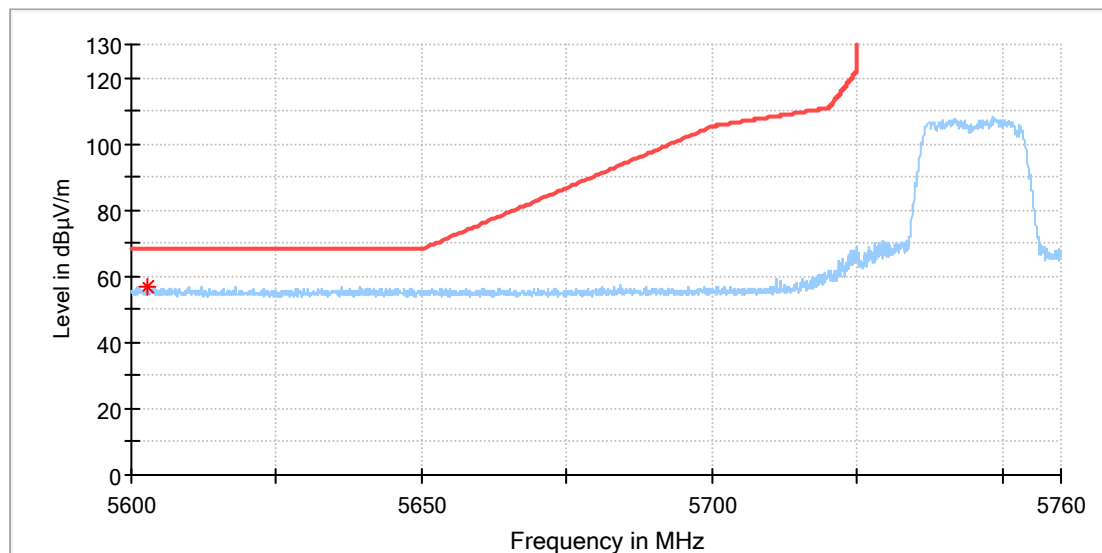
Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name: AiMOGA Mornine
Model: M1
Test Mode: WIFI 5G_11n20_Ch149
Order No/Sample No: 168584456/A004209761-009
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

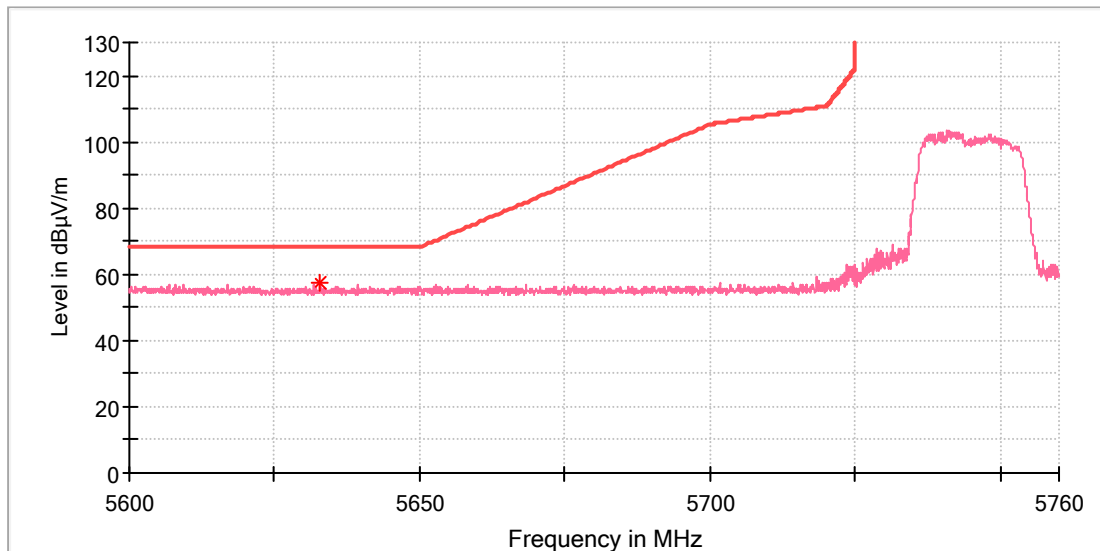
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5602.688889	57.10	68.20	11.10	150.0	H	190.0	15.3

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: AiMOGA Mornine
Model: M1
Test Mode: WIFI 5G_11n20_Ch149
Order No/Sample No: 168584456/A004209761-009
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

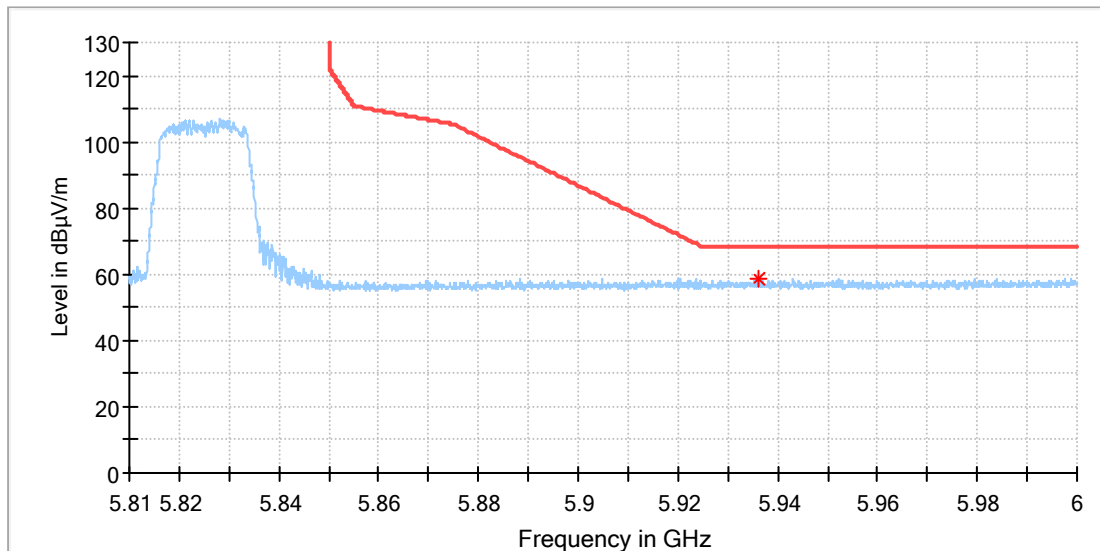
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5632.877778	57.18	68.20	11.02	150.0	V	346.0	15.3

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: AiMOGA Mornine
Model: M1
Test Mode: WIFI 5G_11n20_Ch165
Order No/Sample No: 168584456/A004209761-009
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

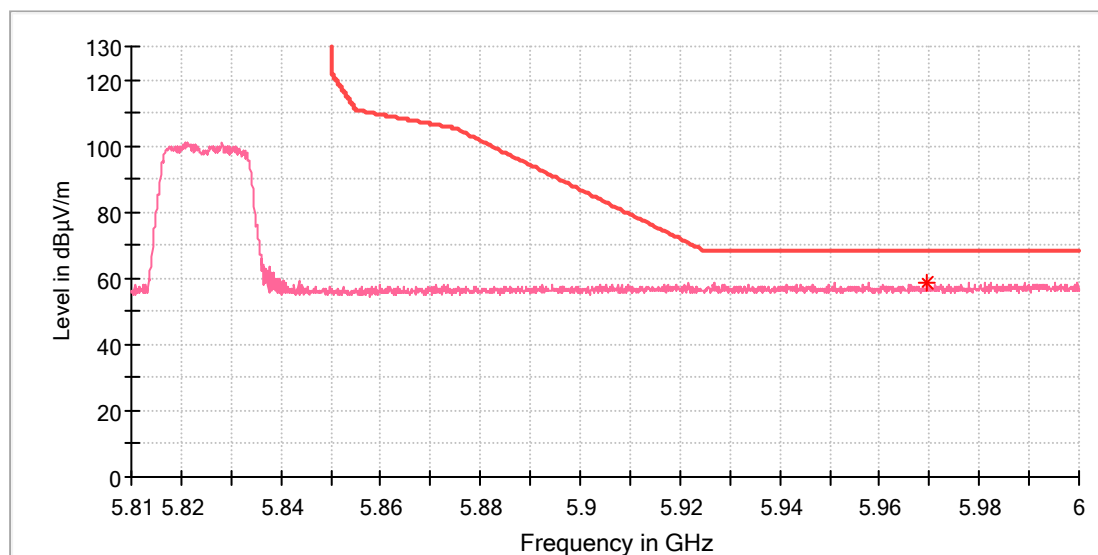
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5936.138889	58.60	68.20	9.60	150.0	H	299.0	16.2

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: AiMOGA Mornine
Model: M1
Test Mode: WIFI 5G_11n20_Ch165
Order No/Sample No: 168584456/A004209761-009
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5969.520833	58.69	68.20	9.51	150.0	V	194.0	16.4

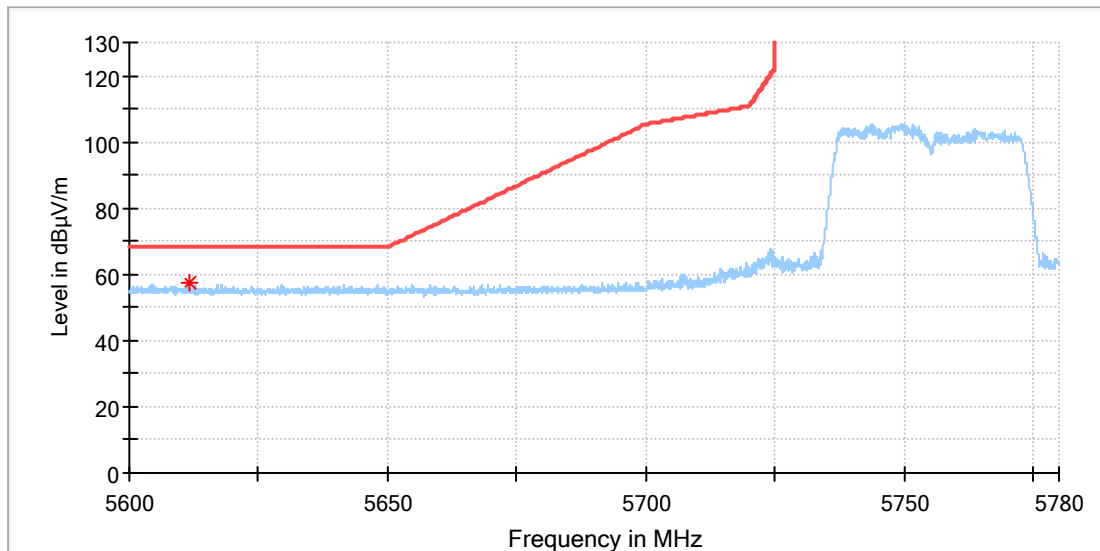
Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: AiMOGA Mornine
Model: M1
Test Mode: WIFI 5G_11n40_Ch151
Order No/Sample No: 168584456/A004209761-009
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

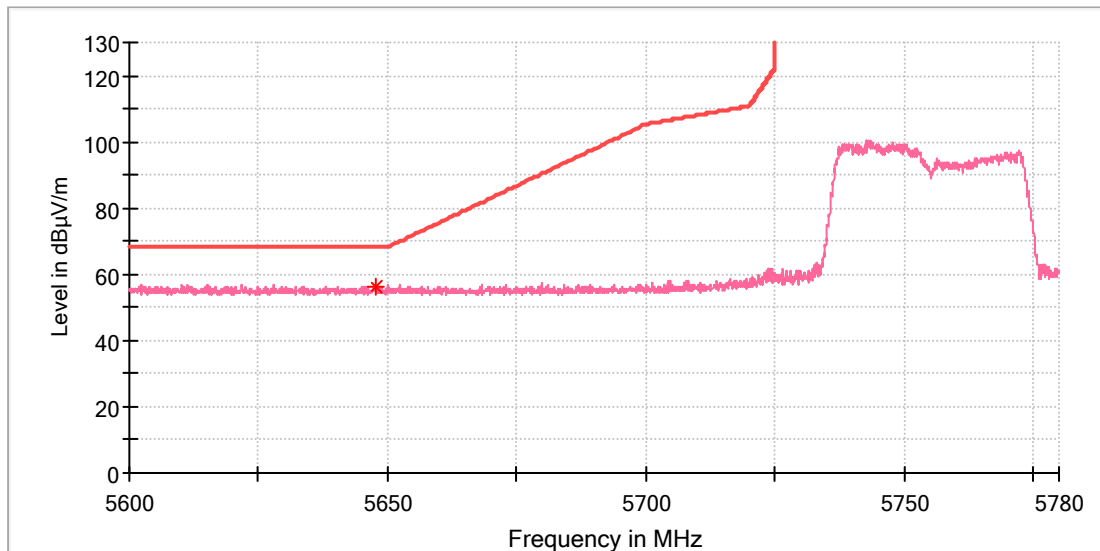
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5611.488889	57.28	68.20	10.92	150.0	H	214.0	15.3

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: AiMOGA Mornine
Model: M1
Test Mode: WIFI 5G_11n40_Ch151
Order No/Sample No: 168584456/A004209761-009
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

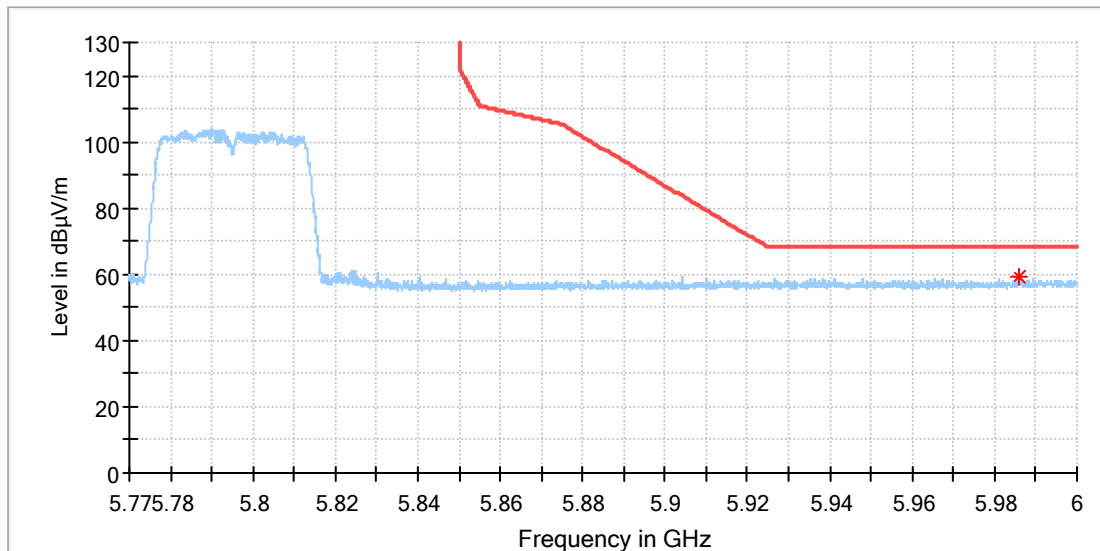
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5647.666667	56.45	68.20	11.75	150.0	V	26.0	15.3

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: AiMOGA Mornine
Model: M1
Test Mode: WIFI 5G_11n40_Ch159
Order No/Sample No: 168584456/A004209761-009
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

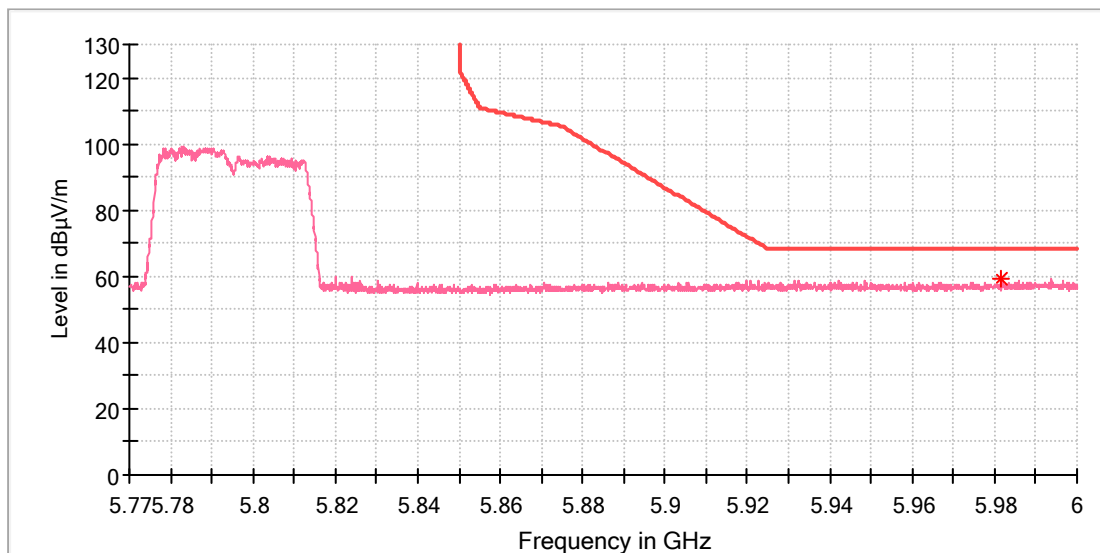
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5985.791667	59.12	68.20	9.08	150.0	H	24.0	16.4

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: AiMOGA Mornine
Model: M1
Test Mode: WIFI 5G_11n40_Ch159
Order No/Sample No: 168584456/A004209761-009
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5981.513889	59.23	68.20	8.97	150.0	V	123.0	16.4

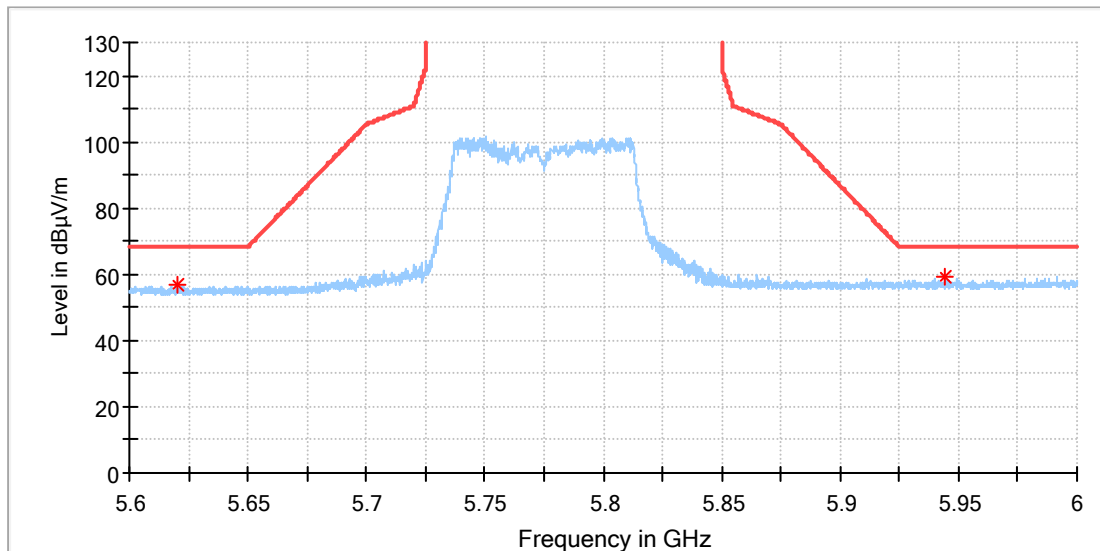
Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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[illegible]

EUT Information

EUT Name: AiMOGA Mornine
Model: M1
Test Mode: WIFI 5G_11ac80_Ch155
Order No/Sample No: 168584456/A004209761-009
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

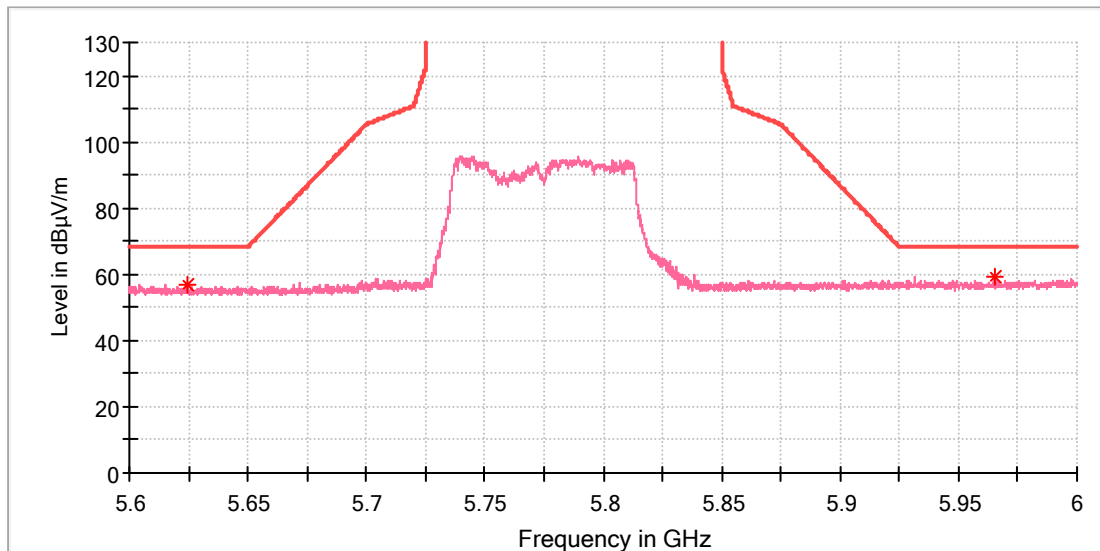
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5619.888889	56.55	68.20	11.65	150.0	H	227.0	15.3
5944.000000	59.03	68.20	9.17	150.0	H	184.0	16.2

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: AiMOGA Mornine
Model: M1
Test Mode: WIFI 5G_11ac80_Ch155
Order No/Sample No: 168584456/A004209761-009
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5624.222222	56.59	68.20	11.61	150.0	V	165.0	15.3
5965.000000	58.99	68.20	9.21	150.0	V	300.0	16.3

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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