

Appendix A.4: Test Results of Maximum output power

Test Result

TestMode	Antenna	Channel	Result[dBm] conducted Power	Limit[dBm]	Verdict
11A	Ant1	5180	14.92	≤23.98	PASS
		5200	15.28	≤23.98	PASS
		5240	16.61	≤23.98	PASS
		5260	16.70	≤23.98	PASS
		5280	16.94	≤23.98	PASS
		5320	16.40	≤23.98	PASS
		5500	16.74	≤23.98	PASS
		5580	16.89	≤23.98	PASS
		5700	13.77	≤23.98	PASS
		5745	10.65	≤30.00	PASS
		5785	10.34	≤30.00	PASS
11N20SISO	Ant1	5825	9.59	≤30.00	PASS
		5180	14.67	≤23.98	PASS
		5200	15.03	≤23.98	PASS
		5240	16.03	≤23.98	PASS
		5260	16.39	≤23.98	PASS
		5280	16.78	≤23.98	PASS
		5320	15.76	≤23.98	PASS
		5500	16.39	≤23.98	PASS
		5580	16.31	≤23.98	PASS
		5700	13.49	≤23.98	PASS
		5745	11.26	≤30.00	PASS
11N40SISO	Ant1	5785	10.12	≤30.00	PASS
		5825	9.34	≤30.00	PASS
		5190	12.87	≤23.98	PASS
		5230	15.91	≤23.98	PASS
		5270	16.63	≤23.98	PASS
		5310	15.34	≤23.98	PASS
		5510	16.41	≤23.98	PASS
		5550	16.88	≤23.98	PASS
		5670	14.67	≤23.98	PASS
		5755	11.45	≤30.00	PASS
		5795	10.79	≤30.00	PASS
11AC20SISO	Ant1	5180	14.43	≤23.98	PASS
		5200	15.27	≤23.98	PASS
		5240	16.01	≤23.98	PASS
		5260	16.43	≤23.98	PASS
		5280	16.76	≤23.98	PASS
		5320	15.79	≤23.98	PASS
		5500	16.58	≤23.98	PASS
		5580	16.50	≤23.98	PASS
		5700	13.56	≤23.98	PASS
		5745	11.21	≤30.00	PASS
		5785	10.13	≤30.00	PASS
11AC40SISO	Ant1	5825	9.31	≤30.00	PASS
		5190	12.57	≤23.98	PASS
		5230	15.78	≤23.98	PASS
		5270	16.55	≤23.98	PASS
		5310	15.57	≤23.98	PASS
		5510	16.46	≤23.98	PASS
		5550	16.25	≤23.98	PASS
		5670	14.46	≤23.98	PASS
		5755	11.42	≤30.00	PASS
		5795	10.73	≤30.00	PASS
11AX20SISO	Ant1	5180	14.74	≤23.98	PASS
		5200	15.17	≤23.98	PASS

		5240	15.92	≤23.98	PASS
		5260	16.47	≤23.98	PASS
		5280	16.89	≤23.98	PASS
		5320	15.74	≤23.98	PASS
		5500	16.71	≤23.98	PASS
		5580	16.59	≤23.98	PASS
		5700	13.69	≤23.98	PASS
		5745	11.29	≤30.00	PASS
		5785	10.18	≤30.00	PASS
		5825	9.41	≤30.00	PASS
11AX40SISO	Ant1	5190	12.64	≤23.98	PASS
		5230	15.88	≤23.98	PASS
		5270	16.57	≤23.98	PASS
		5310	15.46	≤23.98	PASS
		5510	16.58	≤23.98	PASS
		5550	16.66	≤23.98	PASS
		5670	14.24	≤23.98	PASS
		5755	11.35	≤30.00	PASS
		5795	10.54	≤30.00	PASS

Antenna gain(G): 2.13dBi for 5GHz Wi-Fi

U-NII-1 EIRP Limit: $10+10\log(\text{OBW})$

U-NII-2A , U-NII-2A EIRP Limit: $17+10\log(\text{OBW})$

The U-NII-1 max. EIRP is 16.61 dBm +2.13 dBi=18.74dBm, which is less than EIRP Limit: 22.36dBm

The U-NII-2A max. EIRP is 16.94 dBm +2.13 dBi=19.07dBm, which is less than EIRP Limit: 29.37dBm

The U-NII-2C max. EIRP is 16.89 dBm +2.13 dBi=19.02dBm, which is less than EIRP Limit: 29.39dBm

Appendix A.5: Test Results of Conducted Power Spectral Density

Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	6.72	≤11.00	PASS
		5200	6.72	≤11.00	PASS
		5240	7.30	≤11.00	PASS
		5260	7.67	≤11.00	PASS
		5280	7.96	≤11.00	PASS
		5320	7.41	≤11.00	PASS
		5500	7.68	≤11.00	PASS
		5580	8.32	≤11.00	PASS
		5700	5.07	≤11.00	PASS
		5745	1.37	≤30.00	PASS
		5785	0.85	≤30.00	PASS
11N20SISO	Ant1	5825	0.19	≤30.00	PASS
		5180	5.39	≤11.00	PASS
		5200	6.52	≤11.00	PASS
		5240	7.15	≤11.00	PASS
		5260	7.31	≤11.00	PASS
		5280	7.49	≤11.00	PASS
		5320	6.41	≤11.00	PASS
		5500	6.70	≤11.00	PASS
		5580	7.35	≤11.00	PASS
		5700	4.53	≤11.00	PASS
		5745	0.94	≤30.00	PASS
11N40SISO	Ant1	5785	0.04	≤30.00	PASS
		5825	0.03	≤30.00	PASS
		5190	3.05	≤11.00	PASS
		5230	3.97	≤11.00	PASS
		5270	4.44	≤11.00	PASS
		5310	3.44	≤11.00	PASS
		5510	3.83	≤11.00	PASS
		5550	4.71	≤11.00	PASS
		5670	3.27	≤11.00	PASS
		5755	-1.81	≤30.00	PASS
		5795	-2.54	≤30.00	PASS
11AC20SISO	Ant1	5180	5.81	≤11.00	PASS
		5200	6.34	≤11.00	PASS
		5240	7.21	≤11.00	PASS
		5260	7.11	≤11.00	PASS
		5280	7.47	≤11.00	PASS
		5320	6.38	≤11.00	PASS
		5500	6.77	≤11.00	PASS
		5580	7.16	≤11.00	PASS
		5700	4.20	≤11.00	PASS
		5745	0.69	≤30.00	PASS
		5785	0.02	≤30.00	PASS
11AC40SISO	Ant1	5825	-0.19	≤30.00	PASS
		5190	3.03	≤11.00	PASS
		5230	3.75	≤11.00	PASS
		5270	4.02	≤11.00	PASS
		5310	3.25	≤11.00	PASS
		5510	3.41	≤11.00	PASS
		5550	4.27	≤11.00	PASS
		5670	2.59	≤11.00	PASS
		5755	-2.19	≤30.00	PASS
		5795	-2.63	≤30.00	PASS
11AX20SISO	Ant1	5180	5.76	≤11.00	PASS
		5200	5.84	≤11.00	PASS
		5240	6.67	≤11.00	PASS

		5260	6.77	≤11.00	PASS
		5280	7.84	≤11.00	PASS
		5320	5.82	≤11.00	PASS
		5500	6.89	≤11.00	PASS
		5580	7.42	≤11.00	PASS
		5700	4.56	≤11.00	PASS
		5745	0.61	≤30.00	PASS
		5785	-0.09	≤30.00	PASS
		5825	-0.21	≤30.00	PASS
11AX40SISO	Ant1	5190	3.48	≤11.00	PASS
		5230	4.55	≤11.00	PASS
		5270	3.98	≤11.00	PASS
		5310	3.52	≤11.00	PASS
		5510	3.83	≤11.00	PASS
		5550	4.09	≤11.00	PASS
		5670	3.12	≤11.00	PASS
		5755	-2.08	≤30.00	PASS
		5795	-2.86	≤30.00	PASS

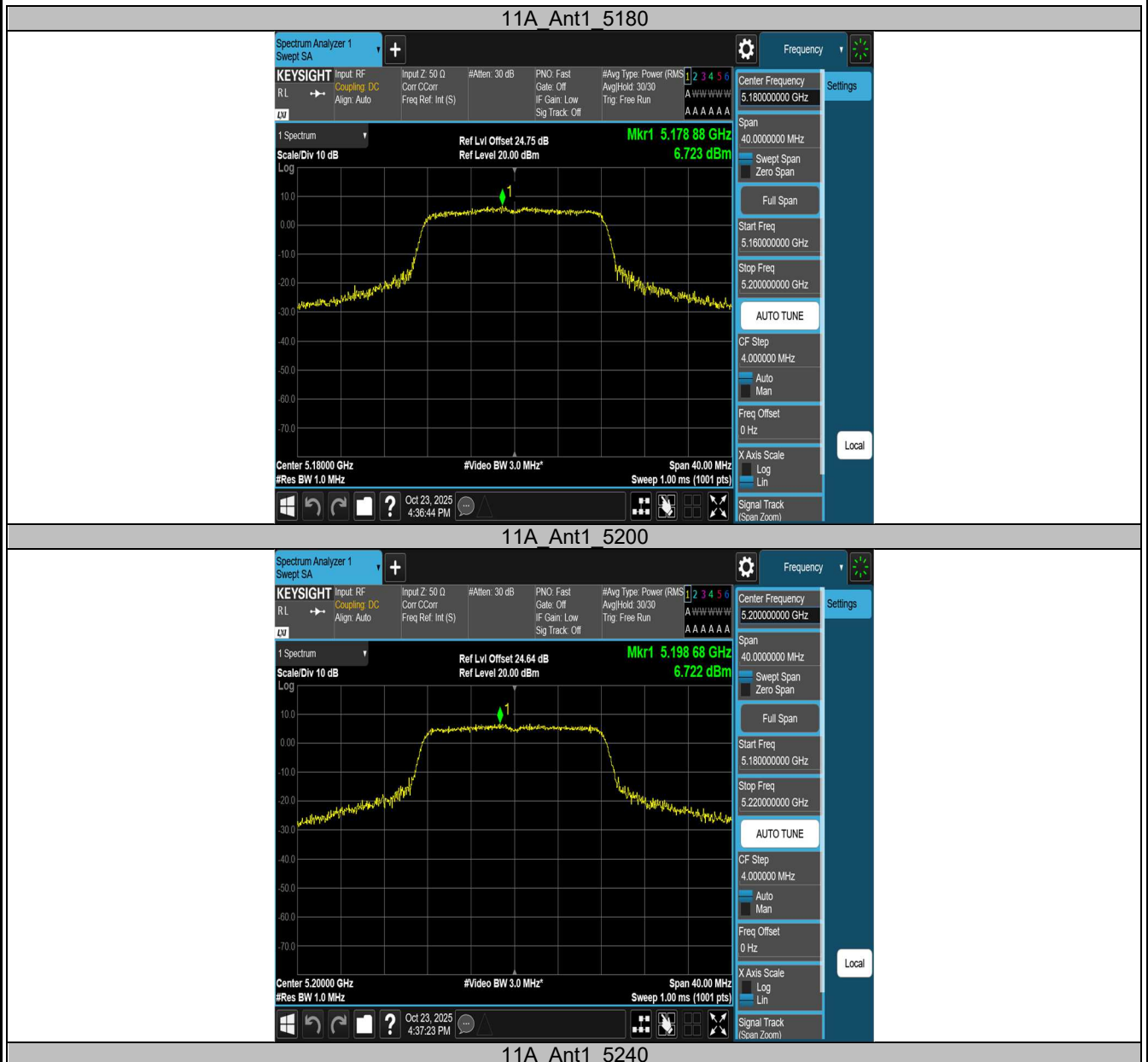
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Antenna gain(G): 2.13dBi for 5GHz Wi-Fi

The U-NII-1 max. EIRP is 7.30 dBm/MHz +2.13 dBi=9.43 dBm/MHz, which is less than EIRP Limit: 10 dBm/MHz

Test Graphs





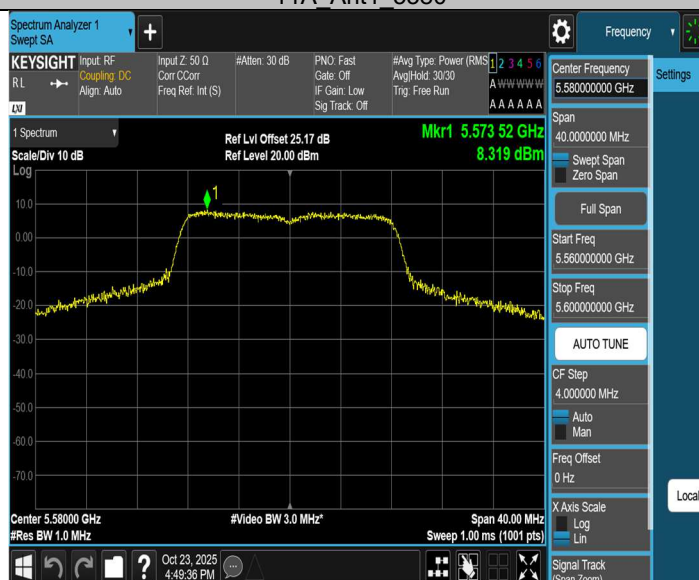
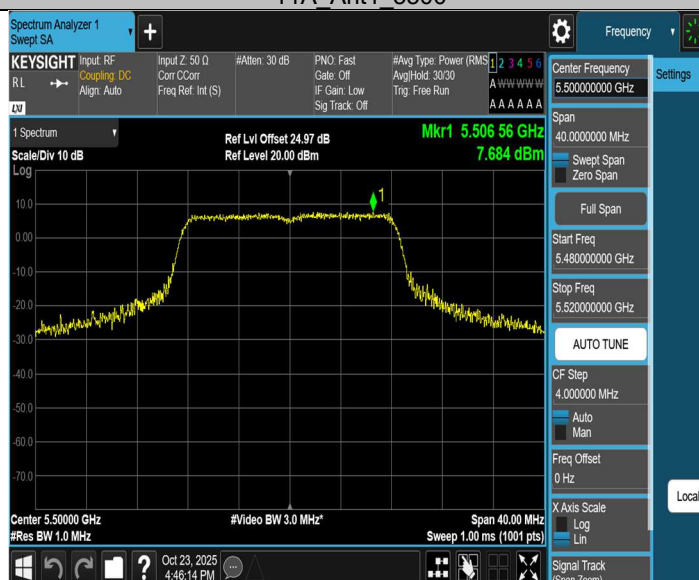
11A_Ant1_5260

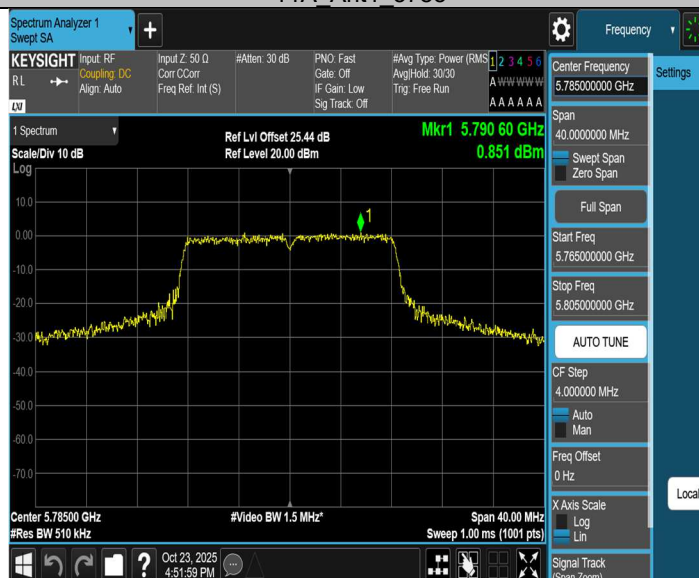


11A_Ant1_5280



11A_Ant1_5320



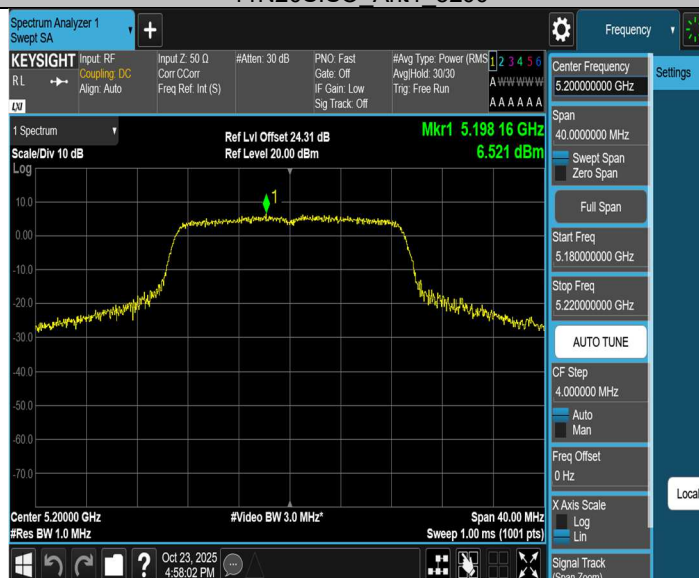




11N20SISO Ant1 5180



11N20SISO Ant1 5200



11N20SISO Ant1 5240



11N20SISO Ant1 5260



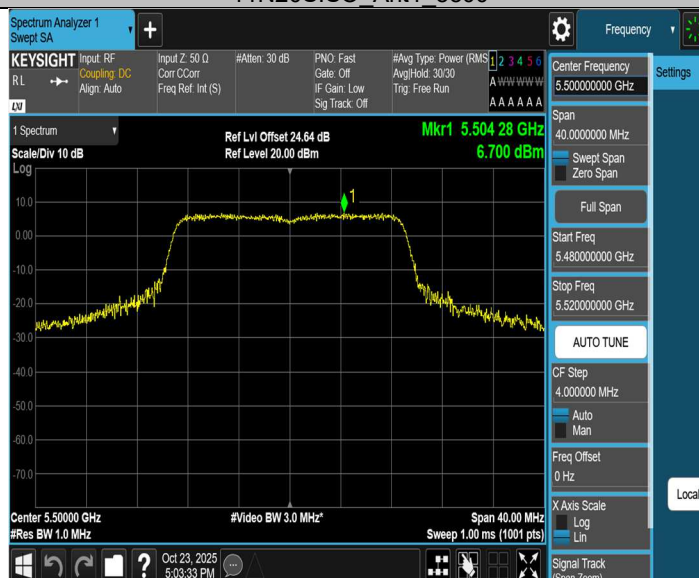
11N20SISO Ant1 5280



11N20SISO Ant1 5320



11N20SISO Ant1 5500



11N20SISO Ant1 5580



11N20SISO Ant1 5700



11N20SISO Ant1 5745



11N20SISO Ant1 5785



11N20SISO Ant1 5825





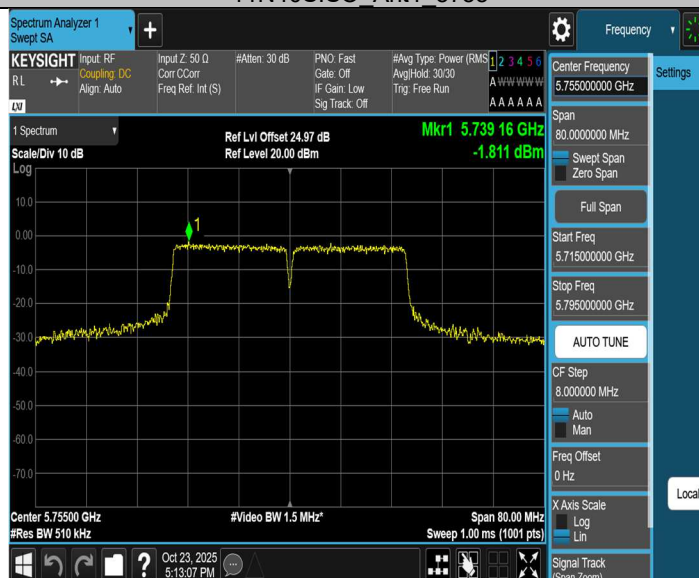
11N40SISO Ant1 5310



11N40SISO Ant1 5510



11N40SISO Ant1 5550





11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5260



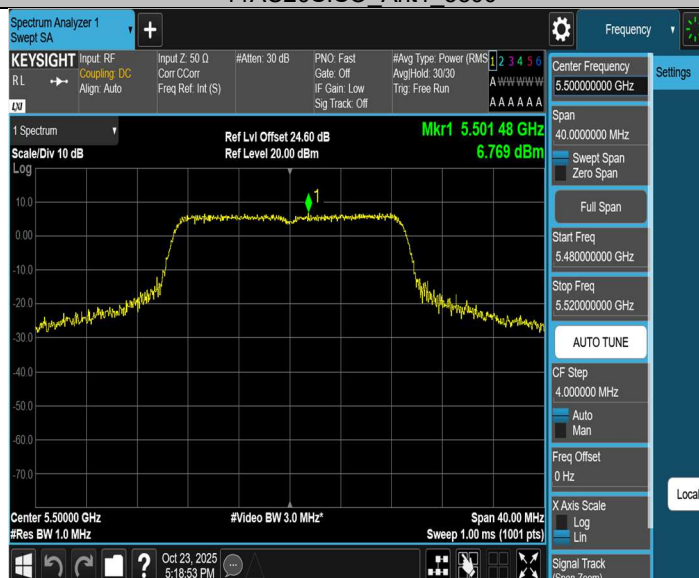
11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



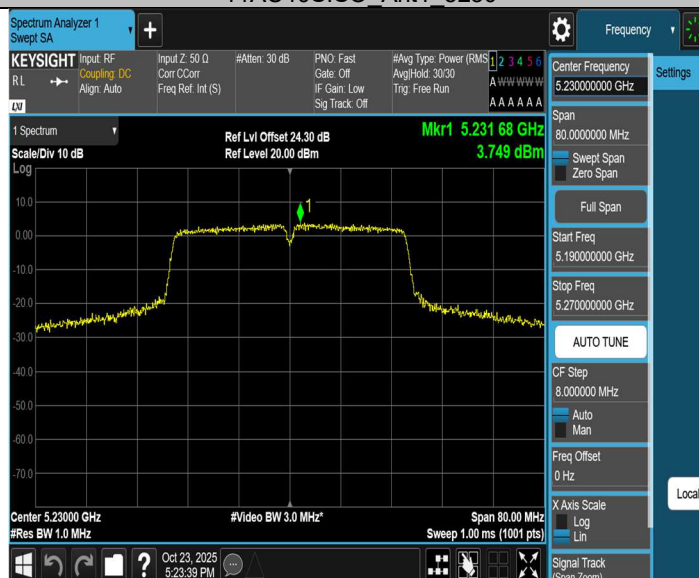
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5550

