



11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



Appendix A.4: Test Results of Maximum output power

Test Result

TestMode	Antenna	Channel	Result[dBm] Conducted Power	Limit[dBm]	Verdict
11A	Ant1	5180	15.24	≤23.98	PASS
		5200	15.71	≤23.98	PASS
		5240	16.29	≤23.98	PASS
		5260	16.33	≤23.98	PASS
		5280	17.08	≤23.98	PASS
		5320	16.09	≤23.98	PASS
		5500	15.06	≤23.98	PASS
		5580	17.56	≤23.98	PASS
		5700	11.43	≤23.98	PASS
		5745	14.33	≤30.00	PASS
		5785	14.21	≤30.00	PASS
11N20SISO	Ant1	5825	14.15	≤30.00	PASS
		5180	15.06	≤23.98	PASS
		5200	15.29	≤23.98	PASS
		5240	15.71	≤23.98	PASS
		5260	16.47	≤23.98	PASS
		5280	16.48	≤23.98	PASS
		5320	16.79	≤23.98	PASS
		5500	13.87	≤23.98	PASS
		5580	16.78	≤23.98	PASS
		5700	11.26	≤23.98	PASS
		5745	14.30	≤30.00	PASS
11N40SISO	Ant1	5785	14.29	≤30.00	PASS
		5825	13.88	≤30.00	PASS
		5190	12.81	≤23.98	PASS
		5230	15.53	≤23.98	PASS
		5270	16.17	≤23.98	PASS
		5310	14.39	≤23.98	PASS
		5510	13.49	≤23.98	PASS
		5550	18.34	≤23.98	PASS
		5670	10.98	≤23.98	PASS
		5755	12.15	≤30.00	PASS
		5795	13.84	≤30.00	PASS
11AC20SISO	Ant1	5180	15.11	≤23.98	PASS
		5200	15.22	≤23.98	PASS
		5240	15.49	≤23.98	PASS
		5260	16.25	≤23.98	PASS
		5280	16.73	≤23.98	PASS
		5320	16.63	≤23.98	PASS
		5500	13.72	≤23.98	PASS
		5580	17.11	≤23.98	PASS
		5700	11.07	≤23.98	PASS
		5745	14.39	≤30.00	PASS
		5785	14.09	≤30.00	PASS
11AC40SISO	Ant1	5825	13.41	≤30.00	PASS
		5190	13.05	≤23.98	PASS
		5230	15.74	≤23.98	PASS
		5270	16.23	≤23.98	PASS
		5310	14.27	≤23.98	PASS
		5510	13.21	≤23.98	PASS
		5550	18.55	≤23.98	PASS
		5670	11.38	≤23.98	PASS
		5755	13.66	≤30.00	PASS
		5795	14.04	≤30.00	PASS
11AX20SISO	Ant1	5180	15.14	≤23.98	PASS
		5200	15.31	≤23.98	PASS

		5240	15.75	≤23.98	PASS
		5260	16.02	≤23.98	PASS
		5280	16.76	≤23.98	PASS
		5320	16.65	≤23.98	PASS
		5500	13.74	≤23.98	PASS
		5580	16.99	≤23.98	PASS
		5700	10.97	≤23.98	PASS
		5745	14.46	≤30.00	PASS
		5785	14.14	≤30.00	PASS
		5825	13.81	≤30.00	PASS
11AX40SISO	Ant1	5190	13.32	≤23.98	PASS
		5230	15.50	≤23.98	PASS
		5270	16.33	≤23.98	PASS
		5310	14.53	≤23.98	PASS
		5510	13.04	≤23.98	PASS
		5550	18.55	≤23.98	PASS
		5670	11.42	≤23.98	PASS
		5755	13.62	≤30.00	PASS
		5795	14.19	≤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 16.29 dBm +2.13 dBi=18.42dBm, which is less than EIRP Limit: 22.36dBm
The U-NII-2A max. EIRP is 17.08 dBm +2.13 dBi=19.21dBm, which is less than EIRP Limit: 29.35dBm
The U-NII-2C max. EIRP is 18.55 dBm +2.13 dBi=20.68dBm, 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	4.86	≤11.00	PASS
		5200	5.41	≤11.00	PASS
		5240	5.69	≤11.00	PASS
		5260	6.01	≤11.00	PASS
		5280	6.50	≤11.00	PASS
		5320	7.02	≤11.00	PASS
		5500	8.45	≤11.00	PASS
		5580	6.66	≤11.00	PASS
		5700	4.97	≤11.00	PASS
		5745	1.57	≤30.00	PASS
		5785	1.43	≤30.00	PASS
		5825	0.44	≤30.00	PASS
11N20SISO	Ant1	5180	4.51	≤11.00	PASS
		5200	4.97	≤11.00	PASS
		5240	5.30	≤11.00	PASS
		5260	5.56	≤11.00	PASS
		5280	5.54	≤11.00	PASS
		5320	6.59	≤11.00	PASS
		5500	7.69	≤11.00	PASS
		5580	5.82	≤11.00	PASS
		5700	4.29	≤11.00	PASS
		5745	1.21	≤30.00	PASS
		5785	0.36	≤30.00	PASS
		5825	0.03	≤30.00	PASS
11N40SISO	Ant1	5190	1.19	≤11.00	PASS
		5230	1.92	≤11.00	PASS
		5270	2.47	≤11.00	PASS
		5310	3.10	≤11.00	PASS
		5510	4.58	≤11.00	PASS
		5550	4.19	≤11.00	PASS
		5670	2.62	≤11.00	PASS
		5755	-2.96	≤30.00	PASS
		5795	-2.39	≤30.00	PASS
		5825	0.04	≤30.00	PASS
11AC20SISO	Ant1	5180	4.22	≤11.00	PASS
		5200	4.62	≤11.00	PASS
		5240	5.32	≤11.00	PASS
		5260	5.31	≤11.00	PASS
		5280	5.65	≤11.00	PASS
		5320	6.69	≤11.00	PASS
		5500	7.93	≤11.00	PASS
		5580	6.04	≤11.00	PASS
		5700	4.62	≤11.00	PASS
		5745	1.44	≤30.00	PASS
		5785	0.54	≤30.00	PASS
		5825	0.04	≤30.00	PASS
11AC40SISO	Ant1	5190	1.54	≤11.00	PASS
		5230	2.50	≤11.00	PASS
		5270	2.21	≤11.00	PASS
		5310	3.37	≤11.00	PASS
		5510	4.81	≤11.00	PASS
		5550	4.53	≤11.00	PASS
		5670	2.99	≤11.00	PASS
		5755	-2.60	≤30.00	PASS
		5795	-2.48	≤30.00	PASS
		5825	0.04	≤30.00	PASS
11AX20SISO	Ant1	5180	4.10	≤11.00	PASS
		5200	4.12	≤11.00	PASS
		5240	5.08	≤11.00	PASS

		5260	5.97	≤11.00	PASS
		5280	5.72	≤11.00	PASS
		5320	6.46	≤11.00	PASS
		5500	7.73	≤11.00	PASS
		5580	6.16	≤11.00	PASS
		5700	4.14	≤11.00	PASS
		5745	1.08	≤30.00	PASS
		5785	0.61	≤30.00	PASS
		5825	-0.10	≤30.00	PASS
11AX40SISO	Ant1	5190	1.94	≤11.00	PASS
		5230	1.88	≤11.00	PASS
		5270	2.89	≤11.00	PASS
		5310	3.57	≤11.00	PASS
		5510	4.51	≤11.00	PASS
		5550	4.81	≤11.00	PASS
		5670	2.77	≤11.00	PASS
		5755	-2.16	≤30.00	PASS
		5795	-2.54	≤30.00	PASS

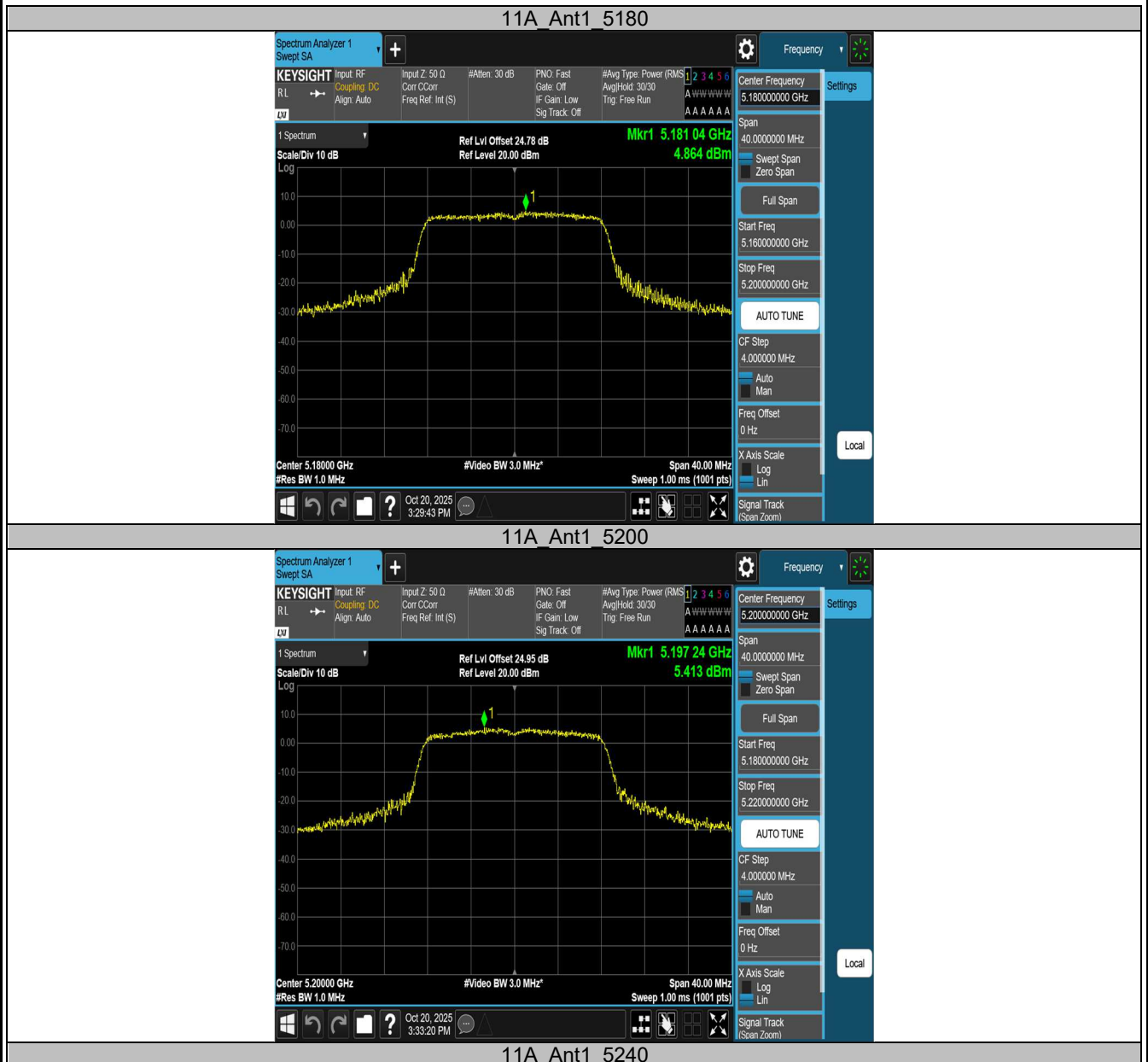
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

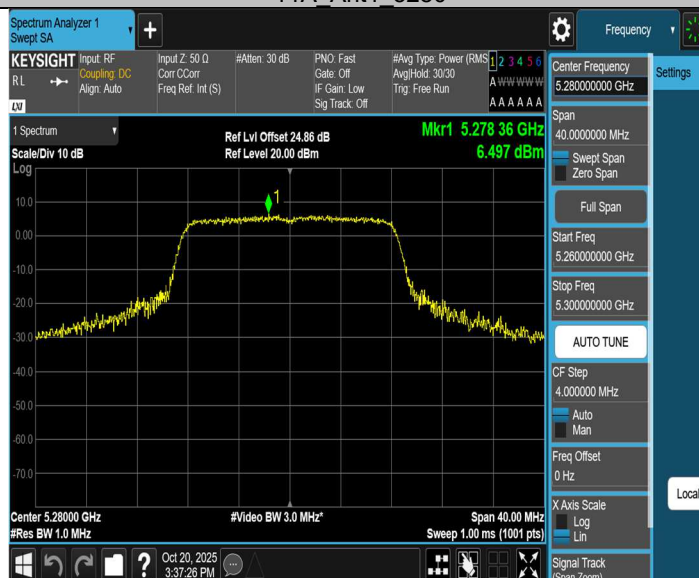
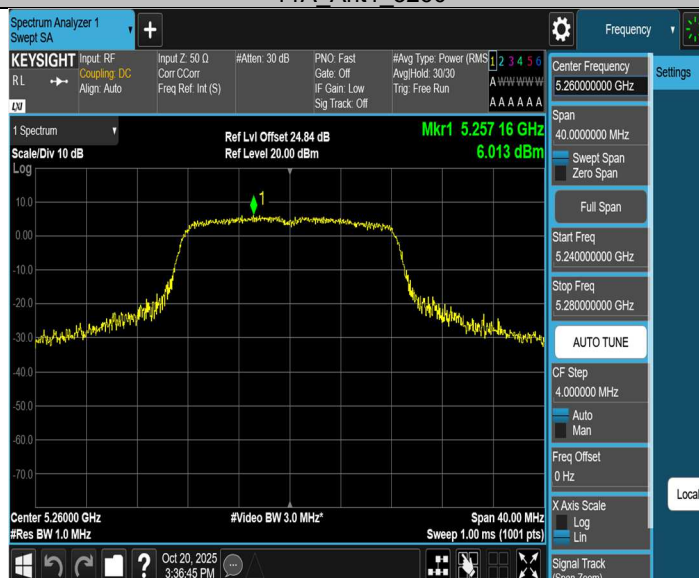
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

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

The U-NII-1 max. EIRP is 5.69 dBm/MHz +2.13 dBi=7.82 dBm/MHz, which is less than EIRP Limit: 10 dBm/MHz

Test Graphs



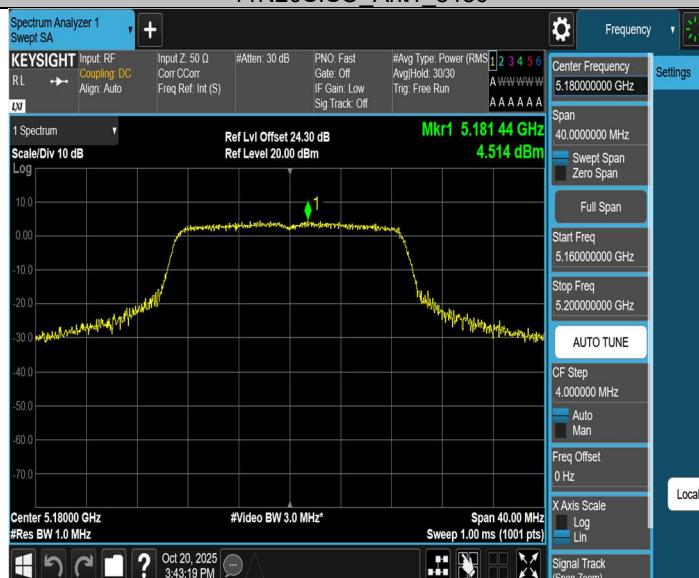








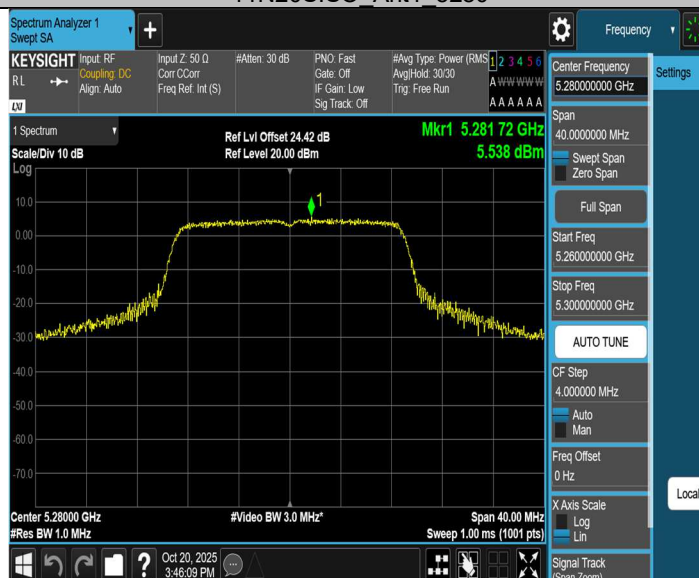
11N20SISO Ant1 5180



11N20SISO Ant1 5200

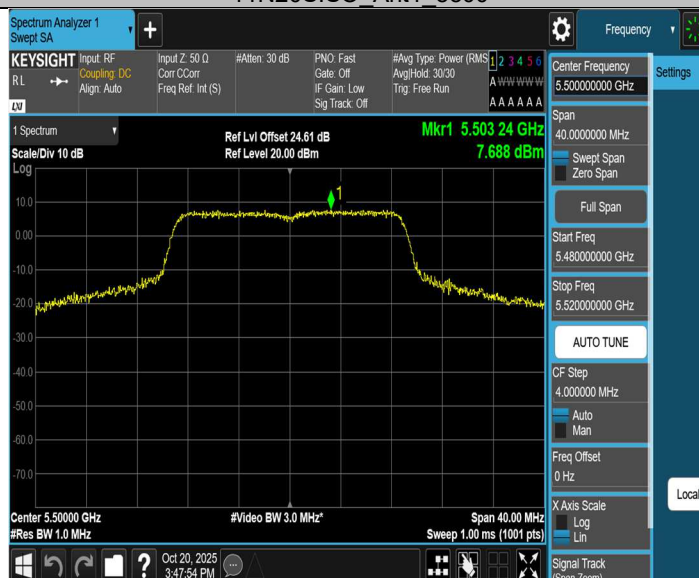


11N20SISO Ant1 5240





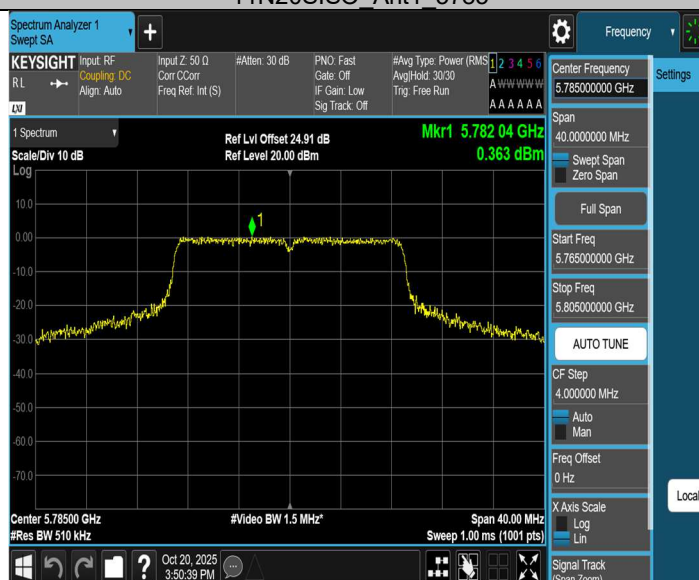
11N20SISO Ant1 5500

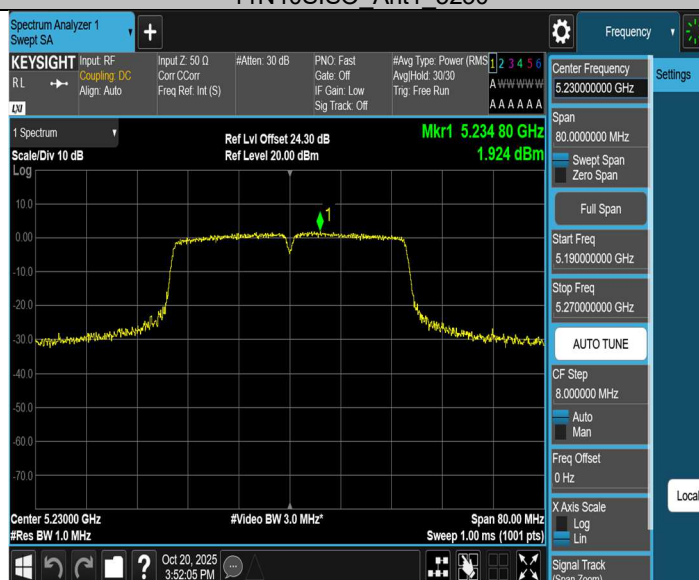
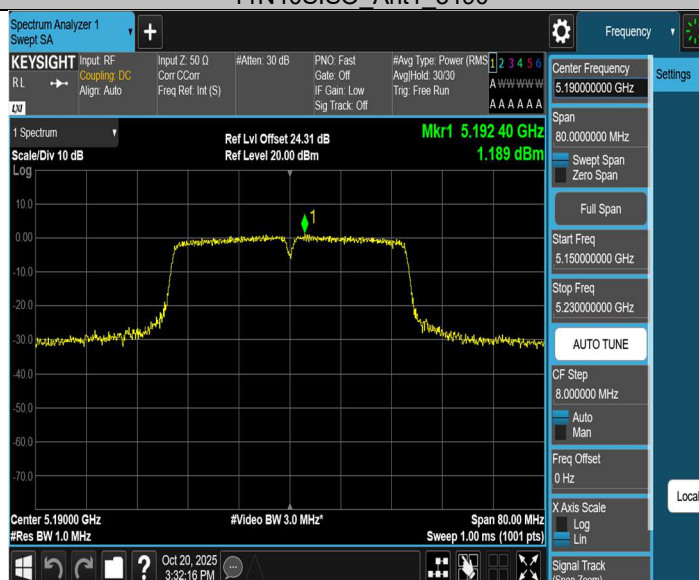


11N20SISO Ant1 5580

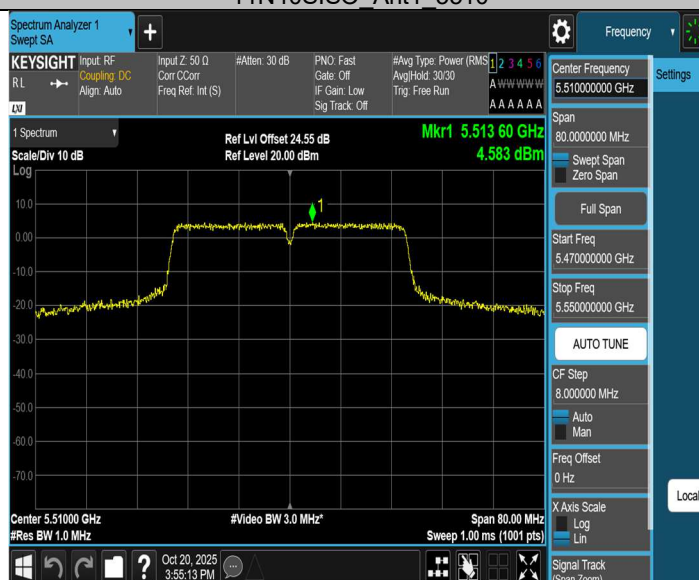


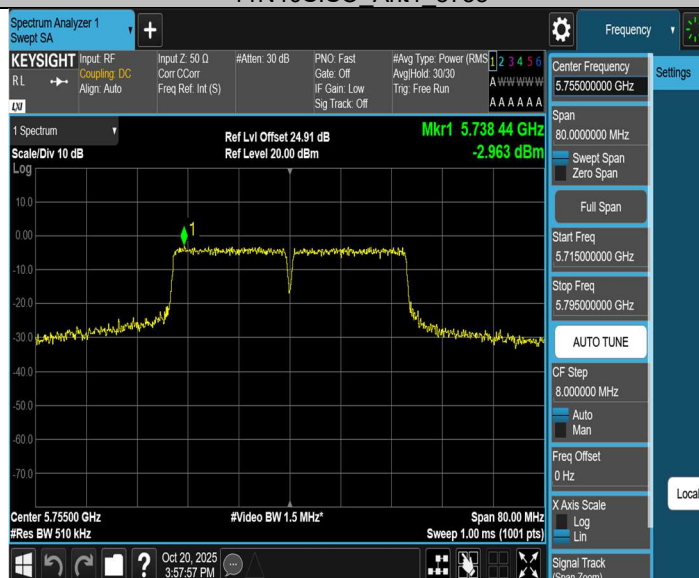
11N20SISO Ant1 5700

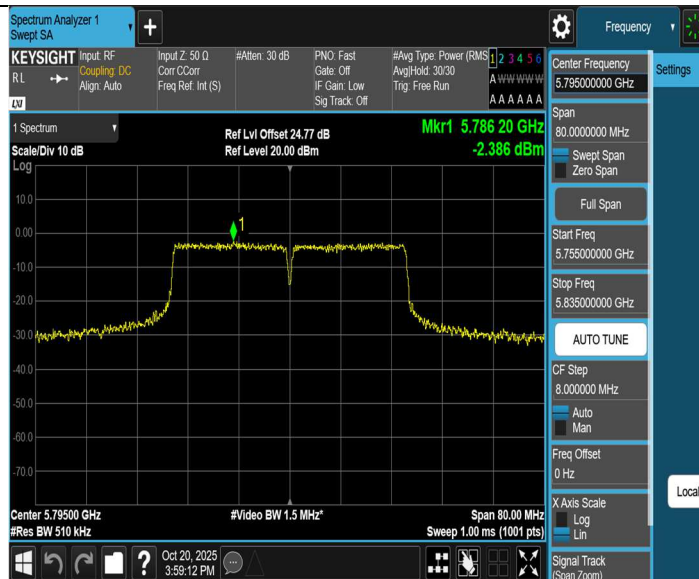




11N40SISO Ant1 5270







11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320

