

Appendix A: Test Results of 5GHz Wi-Fi

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Appendix A.1: Test Results of Maximum Conducted Output Power

Test Mode	Antenna	Frequency[MHz]	Set Power	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	---	14.90	96.53	0.15	15.05	≤23.98	PASS
		5220	---	14.46	96.53	0.15	14.61	≤23.98	PASS
		5240	---	14.82	97.20	0.12	14.94	≤23.98	PASS
		5260	---	14.85	96.53	0.15	15.00	≤23.98	PASS
		5300	---	14.45	96.53	0.15	14.60	≤23.98	PASS
		5320	---	14.62	97.20	0.12	14.74	≤23.98	PASS
		5500	---	14.64	96.53	0.15	14.79	≤23.98	PASS
		5580	---	14.70	96.53	0.15	14.85	≤23.98	PASS
		5700	---	14.78	97.22	0.12	14.90	≤23.98	PASS
		5745	---	14.62	97.20	0.12	14.74	≤30.00	PASS
		5785	---	14.71	97.20	0.12	14.83	≤30.00	PASS
		5825	---	14.62	96.53	0.15	14.77	≤30.00	PASS
11N20SISO	Ant1	5180	---	12.94	97.01	0.13	13.07	≤23.98	PASS
		5220	---	12.77	96.30	0.16	12.93	≤23.98	PASS
		5240	---	12.81	96.30	0.16	12.97	≤23.98	PASS
		5260	---	12.59	97.01	0.13	12.72	≤23.98	PASS
		5300	---	12.38	96.30	0.16	12.54	≤23.98	PASS
		5320	---	12.76	97.01	0.13	12.89	≤23.98	PASS
		5500	---	12.77	96.99	0.13	12.90	≤23.98	PASS
		5580	---	12.91	96.99	0.13	13.04	≤23.98	PASS
		5700	---	13.16	96.99	0.13	13.29	≤23.98	PASS
		5745	---	13.01	96.30	0.16	13.17	≤30.00	PASS
		5785	---	12.84	97.01	0.13	12.97	≤30.00	PASS
		5825	---	12.91	97.01	0.13	13.04	≤30.00	PASS
11N40SISO	Ant1	5190	---	12.81	92.65	0.33	13.14	≤23.98	PASS
		5230	---	12.49	94.12	0.26	12.75	≤23.98	PASS
		5270	---	12.59	92.65	0.33	12.92	≤23.98	PASS
		5310	---	12.45	92.65	0.33	12.78	≤23.98	PASS
		5510	---	13.01	94.12	0.26	13.27	≤23.98	PASS
		5550	---	12.85	94.12	0.26	13.11	≤23.98	PASS
		5670	---	12.35	94.12	0.26	12.61	≤23.98	PASS
		5755	---	12.43	94.12	0.26	12.69	≤30.00	PASS
		5795	---	12.81	94.12	0.26	13.07	≤30.00	PASS
11AC20SISO	Ant1	5180	---	11.00	96.32	0.16	11.16	≤23.98	PASS
		5220	---	10.73	96.32	0.16	10.89	≤23.98	PASS
		5240	---	10.76	96.32	0.16	10.92	≤23.98	PASS
		5260	---	10.56	96.32	0.16	10.72	≤23.98	PASS
		5300	---	10.70	97.04	0.13	10.83	≤23.98	PASS
		5320	---	10.81	96.32	0.16	10.97	≤23.98	PASS
		5500	---	10.82	96.32	0.16	10.98	≤23.98	PASS
		5580	---	10.54	96.32	0.16	10.70	≤23.98	PASS
		5700	---	10.75	96.32	0.16	10.91	≤23.98	PASS
		5745	---	11.04	97.04	0.13	11.17	≤30.00	PASS
		5785	---	10.59	96.32	0.16	10.75	≤30.00	PASS
		5825	---	11.12	96.32	0.16	11.28	≤30.00	PASS
11AC40SISO	Ant1	5190	---	10.45	92.86	0.32	10.77	≤23.98	PASS

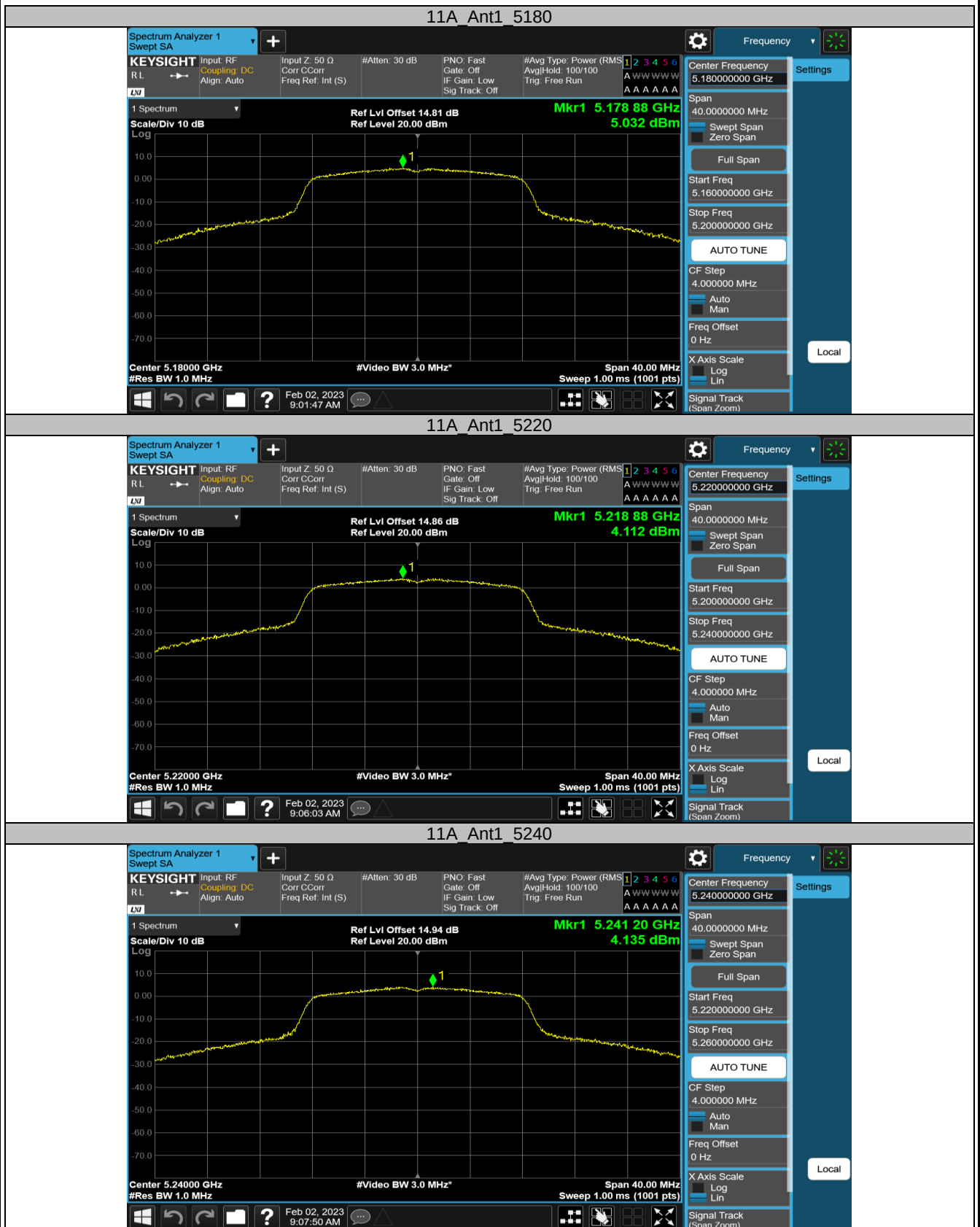
		5230	---	10.57	94.20	0.26	10.83	≤23.98	PASS
		5270	---	10.78	92.86	0.32	11.10	≤23.98	PASS
		5310	---	10.52	92.86	0.32	10.84	≤23.98	PASS
		5510	---	10.62	94.29	0.26	10.88	≤23.98	PASS
		5550	---	10.48	92.86	0.32	10.80	≤23.98	PASS
		5670	---	10.68	92.86	0.32	11.00	≤23.98	PASS
		5755	---	10.50	94.29	0.26	10.76	≤30.00	PASS
		5795	---	10.85	92.86	0.32	11.17	≤30.00	PASS
11AC80SISO	Ant1	5210	---	10.45	89.19	0.50	10.95	≤23.98	PASS
		5290	---	10.70	89.19	0.50	11.20	≤23.98	PASS
		5530	---	10.26	89.19	0.50	10.76	≤23.98	PASS
		5610	---	11.16	86.49	0.63	10.53	≤23.98	PASS
		5775	---	10.28	88.89	0.51	10.79	≤30.00	PASS

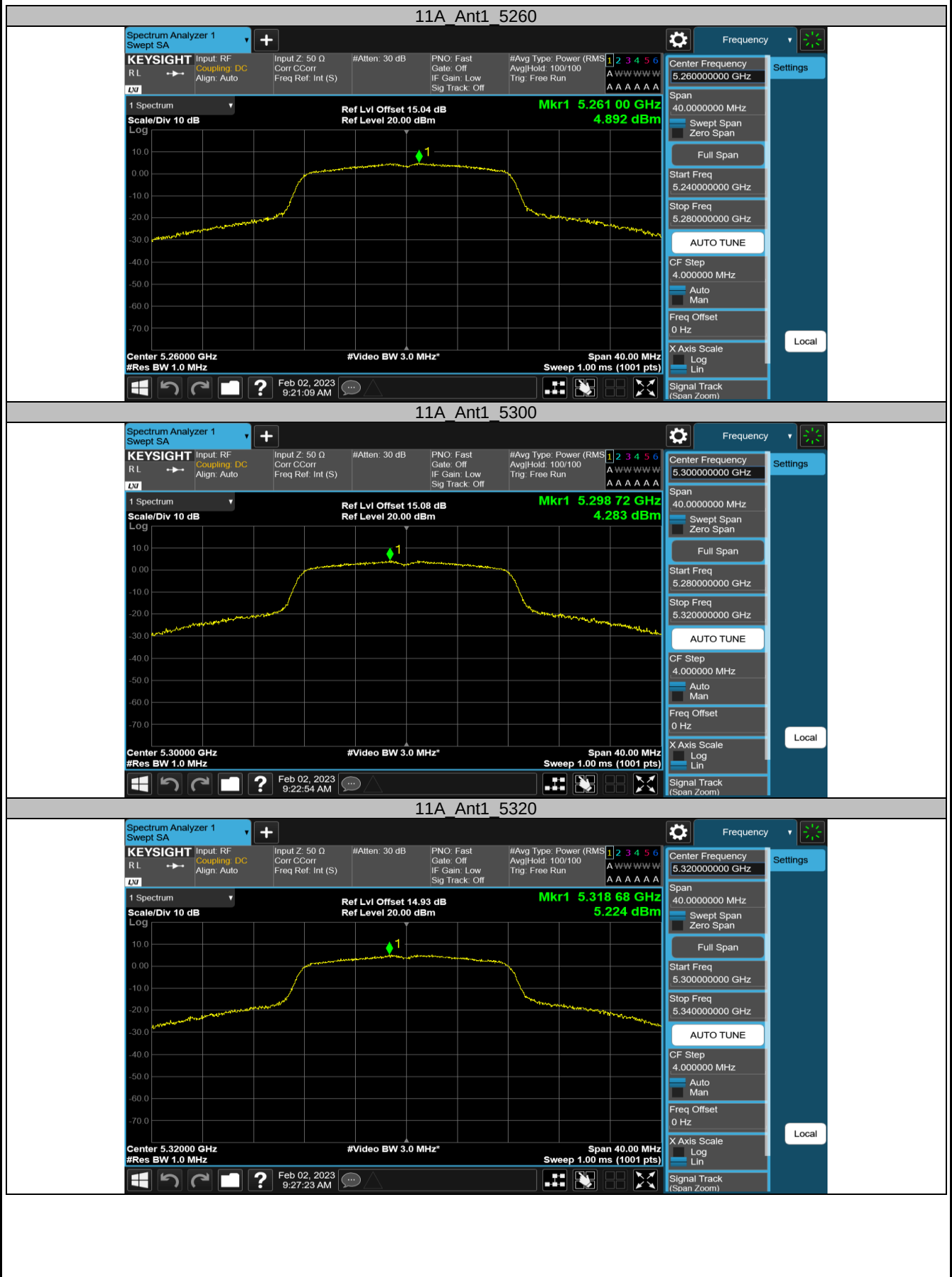
Appendix A.2: Test Results of Conducted Power Spectral Density

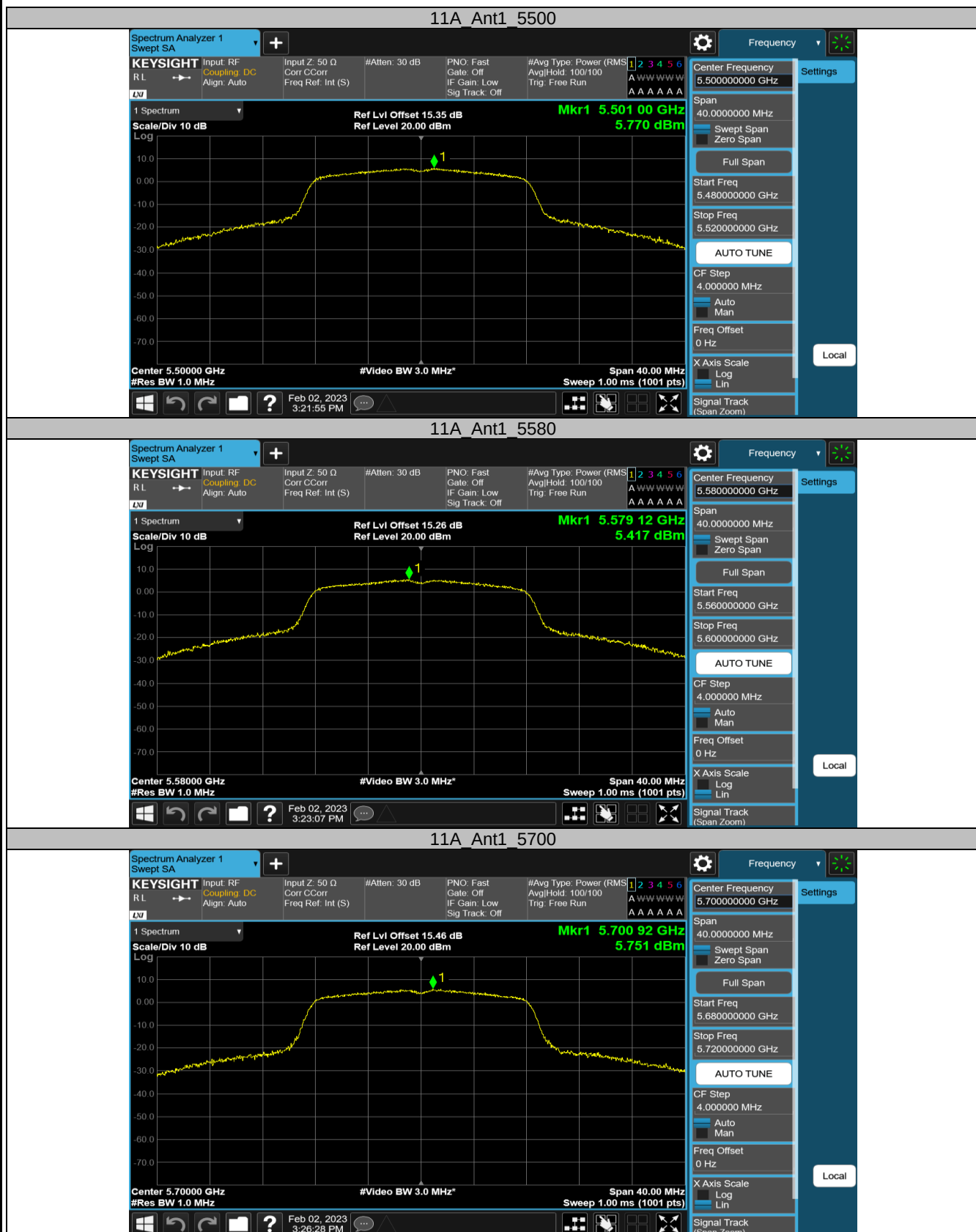
TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	5.03	≤11.00	PASS
		5220	4.11	≤11.00	PASS
		5240	4.14	≤11.00	PASS
		5260	4.89	≤11.00	PASS
		5300	4.28	≤11.00	PASS
		5320	5.22	≤11.00	PASS
		5500	5.77	≤11.00	PASS
		5580	5.42	≤11.00	PASS
		5700	5.75	≤11.00	PASS
		5745	2.87	≤30.00	PASS
		5785	2.53	≤30.00	PASS
		5825	2.11	≤30.00	PASS
11N20SISO	Ant1	5180	3.12	≤11.00	PASS
		5220	2.52	≤11.00	PASS
		5240	2.13	≤11.00	PASS
		5260	2.31	≤11.00	PASS
		5300	2.07	≤11.00	PASS
		5320	2.99	≤11.00	PASS
		5500	3.27	≤11.00	PASS
		5580	3.16	≤11.00	PASS
		5700	3.87	≤11.00	PASS
		5745	0.96	≤30.00	PASS
		5785	0.53	≤30.00	PASS
		5825	0.34	≤30.00	PASS
11N40SISO	Ant1	5190	0.31	≤11.00	PASS
		5230	-0.45	≤11.00	PASS
		5270	0.1	≤11.00	PASS
		5310	-0.81	≤11.00	PASS
		5510	1.11	≤11.00	PASS
		5550	0.22	≤11.00	PASS
		5670	0.42	≤11.00	PASS
		5755	-2.64	≤30.00	PASS
		5795	-2.26	≤30.00	PASS
11AC20SISO	Ant1	5180	1.18	≤11.00	PASS
		5220	1.04	≤11.00	PASS
		5240	0.52	≤11.00	PASS
		5260	0.46	≤11.00	PASS
		5300	0.39	≤11.00	PASS
		5320	1.38	≤11.00	PASS
		5500	1.47	≤11.00	PASS
		5580	0.52	≤11.00	PASS
		5700	-7.05	≤11.00	PASS

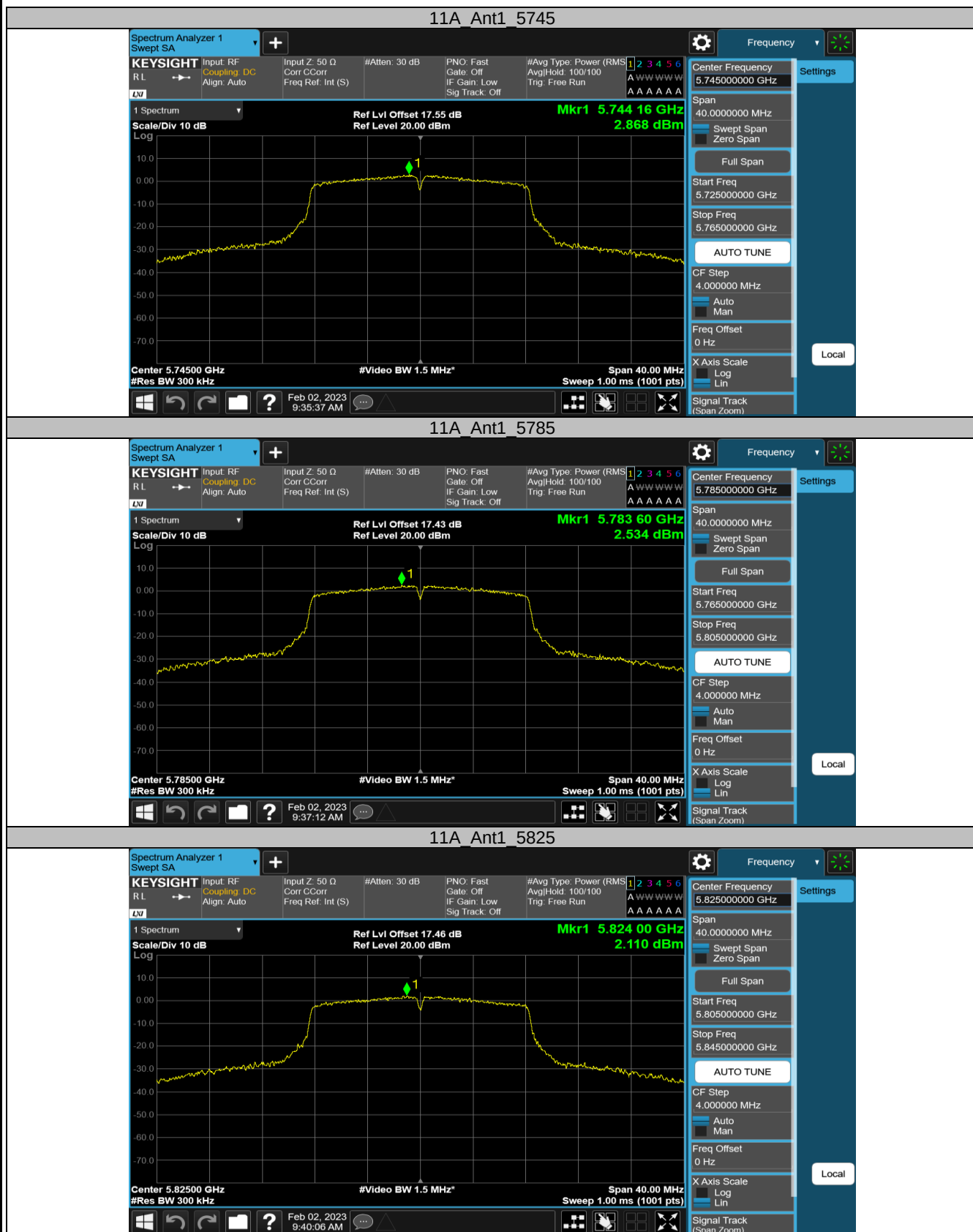
		5745	-1.08	≤30.00	PASS
		5785	-2.18	≤30.00	PASS
		5825	-1.65	≤30.00	PASS
11AC40SISO	Ant1	5190	-2.27	≤11.00	PASS
		5230	-2.65	≤11.00	PASS
		5270	-1.66	≤11.00	PASS
		5310	-2.46	≤11.00	PASS
		5510	-1.85	≤11.00	PASS
		5550	-2.59	≤11.00	PASS
		5670	-1.17	≤11.00	PASS
		5755	-5.05	≤30.00	PASS
		5795	-4.77	≤30.00	PASS
11AC80SISO	Ant1	5210	-5.61	≤11.00	PASS
		5290	-5.12	≤11.00	PASS
		5530	-5.55	≤11.00	PASS
		5610	-5.68	≤11.00	PASS
		5775	-7.69	≤30.00	PASS

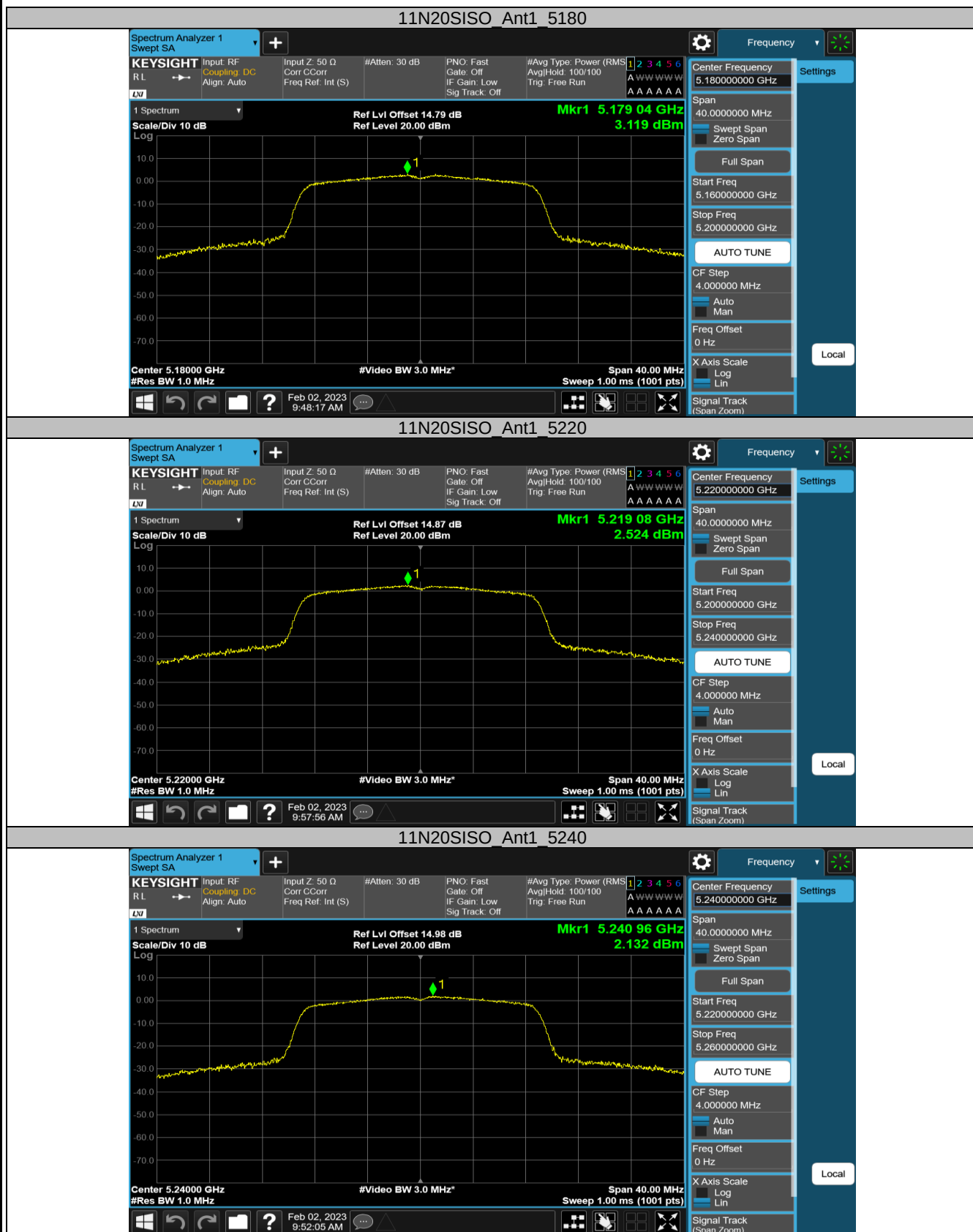
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.







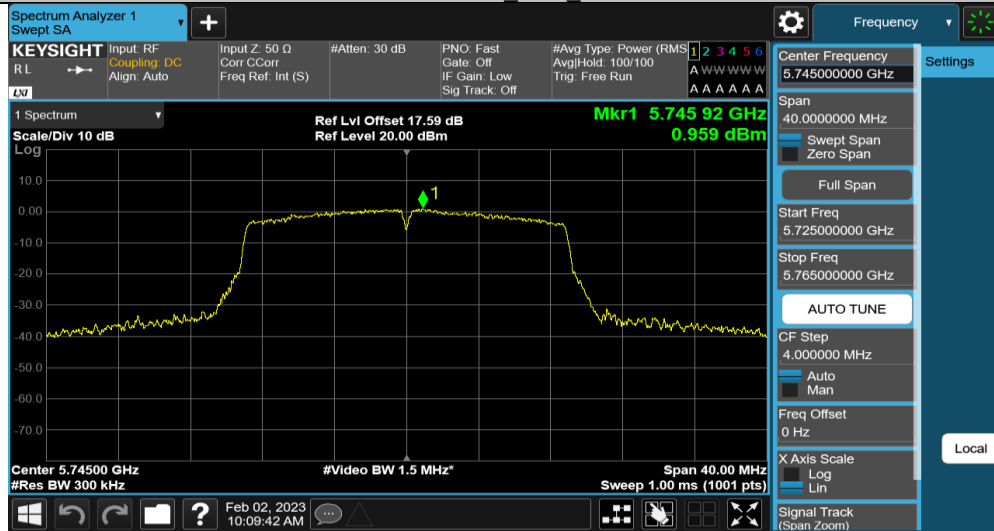




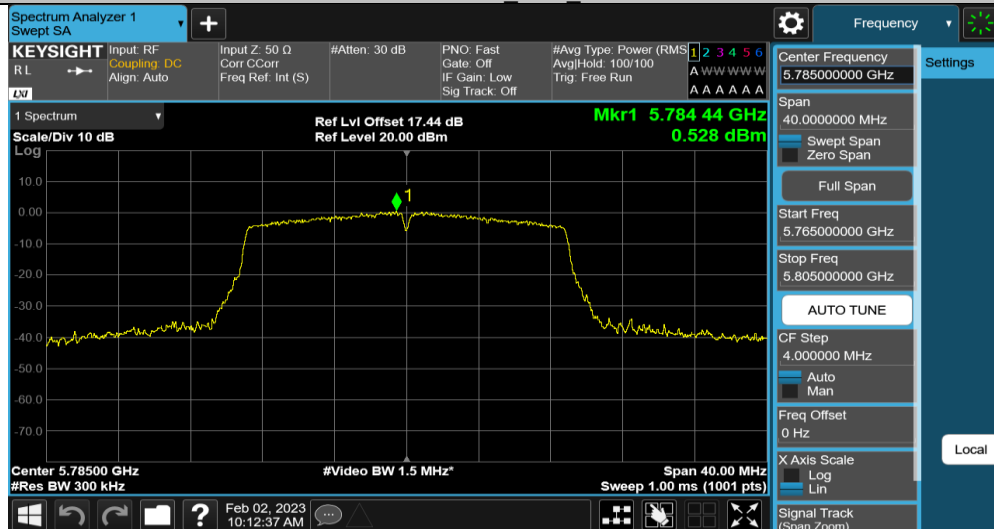




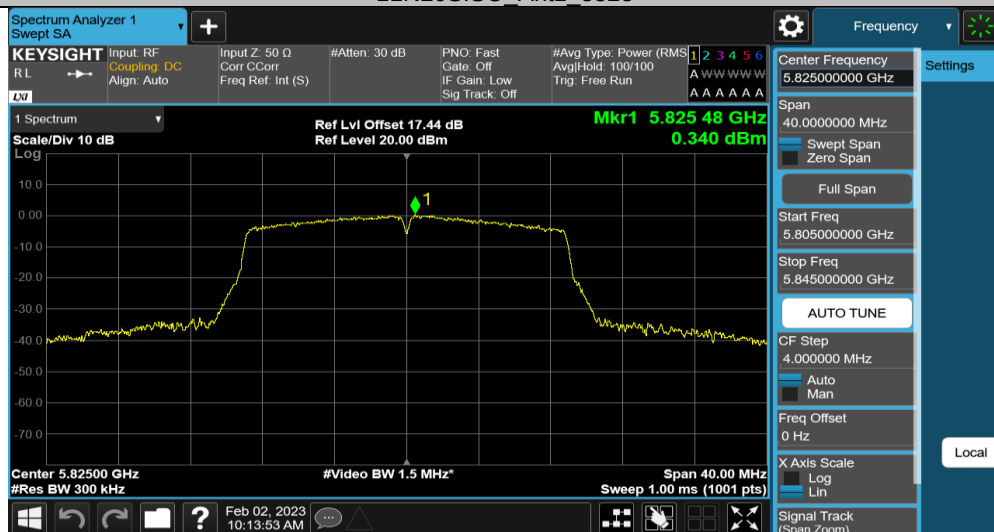
11N20SISO Ant1 5745



11N20SISO Ant1 5785



11N20SISO Ant1 5825



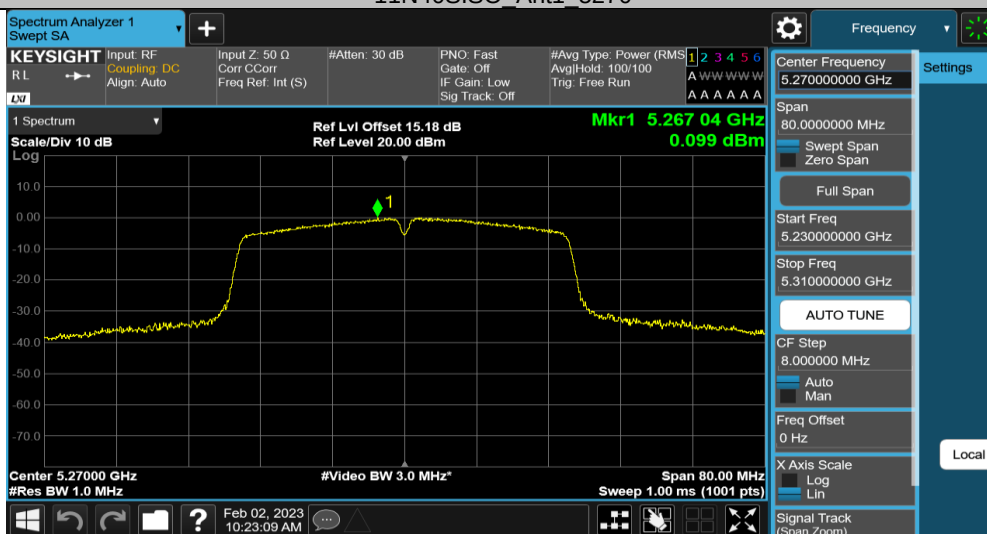
11N40SISO Ant1 5190

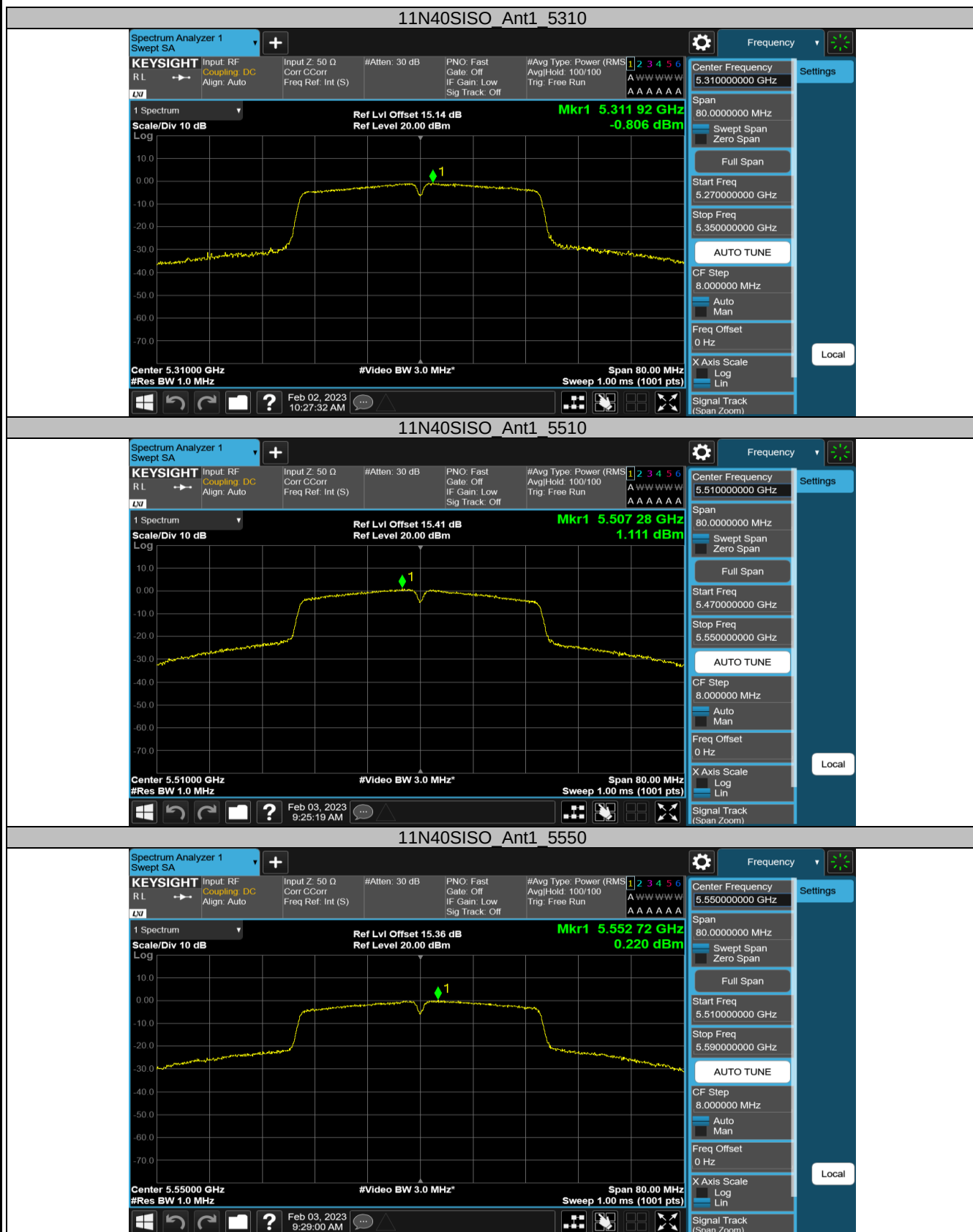


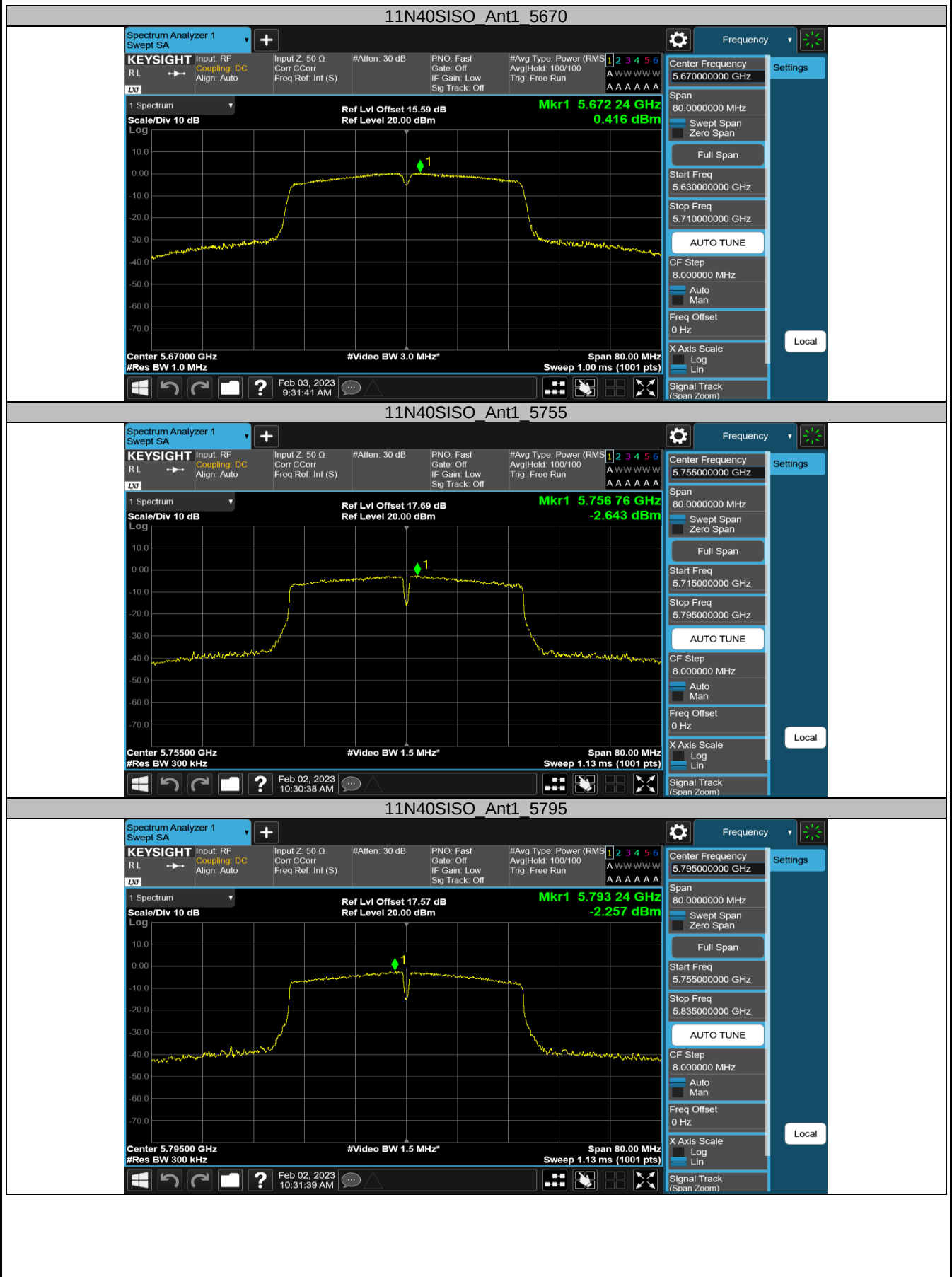
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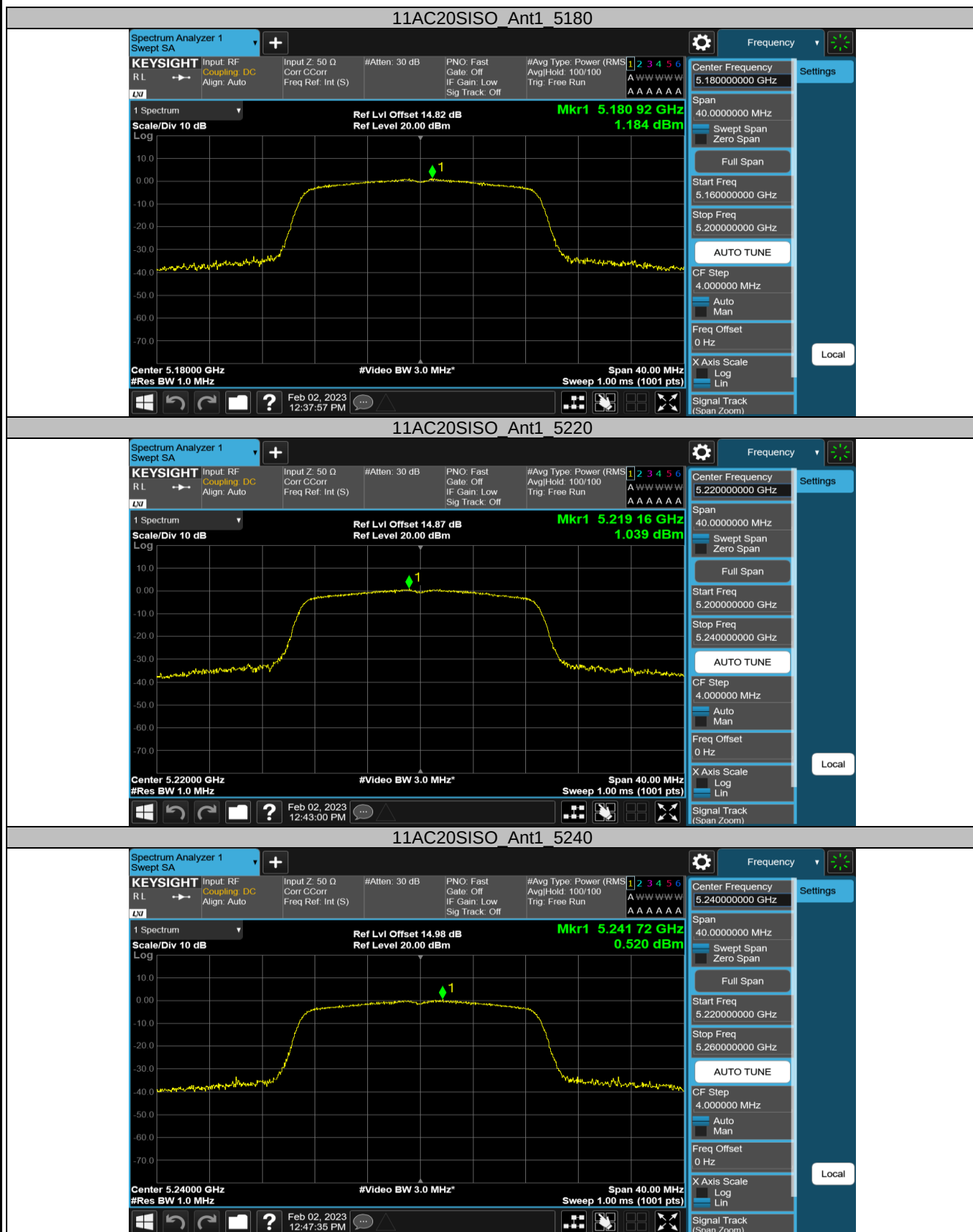


11N40SISO Ant1 5270



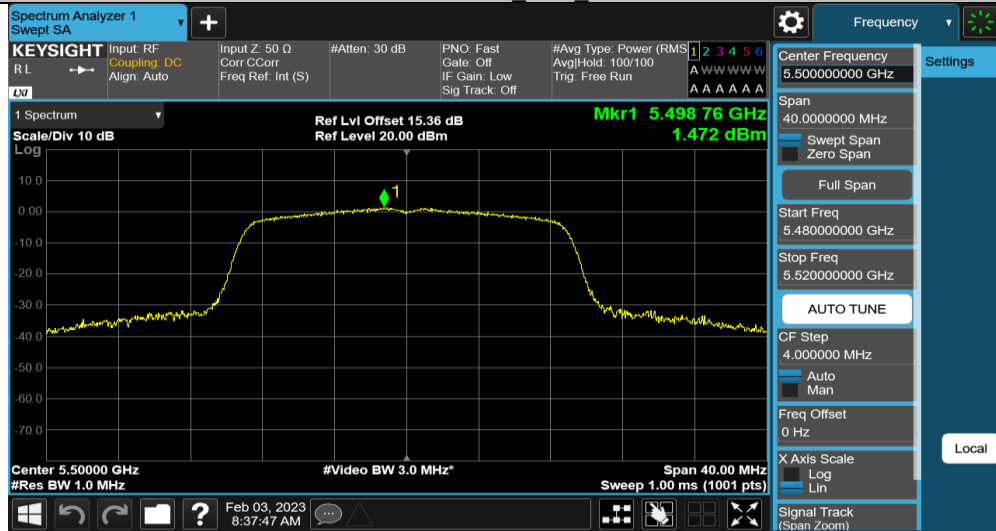




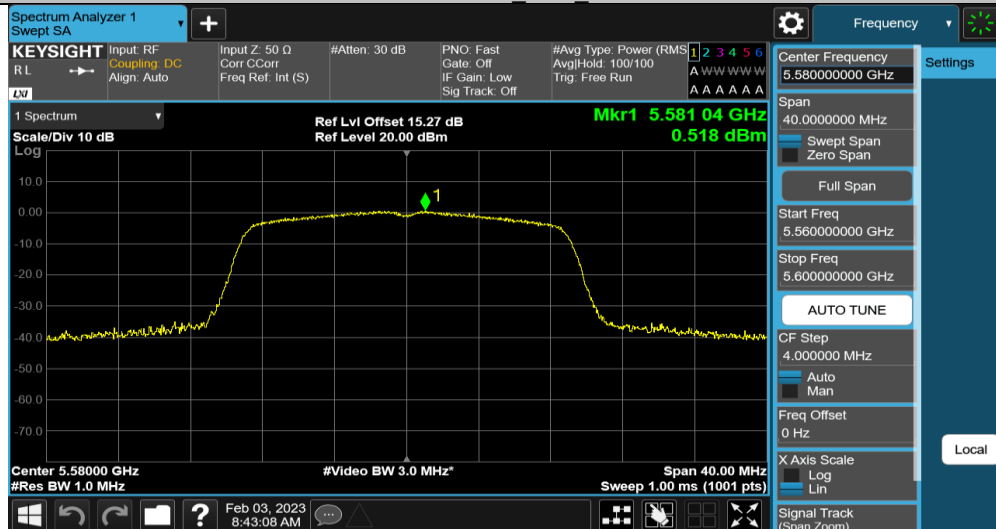




11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700

