













































Appendix G: Band edge measurements

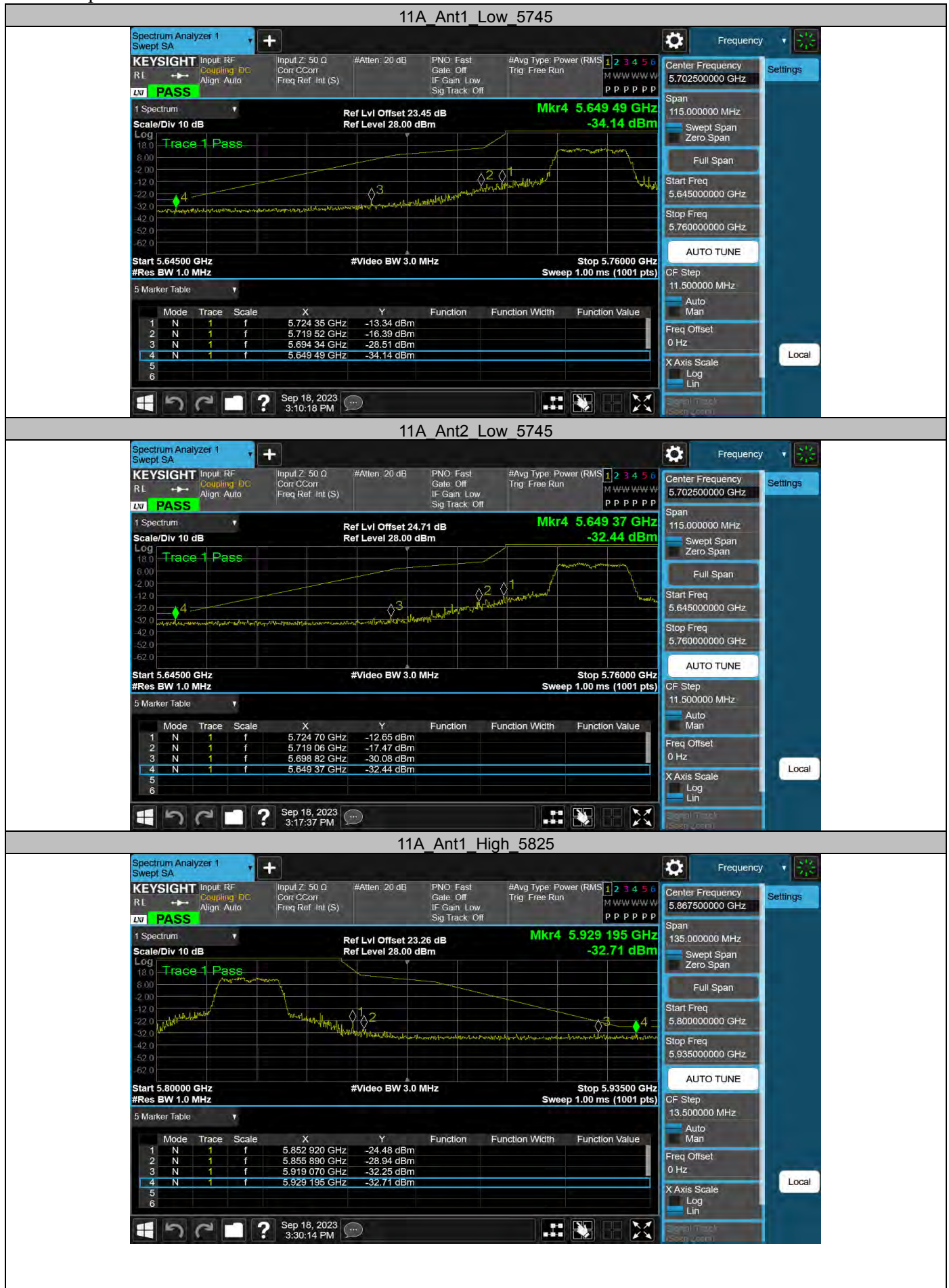
Test Result B4

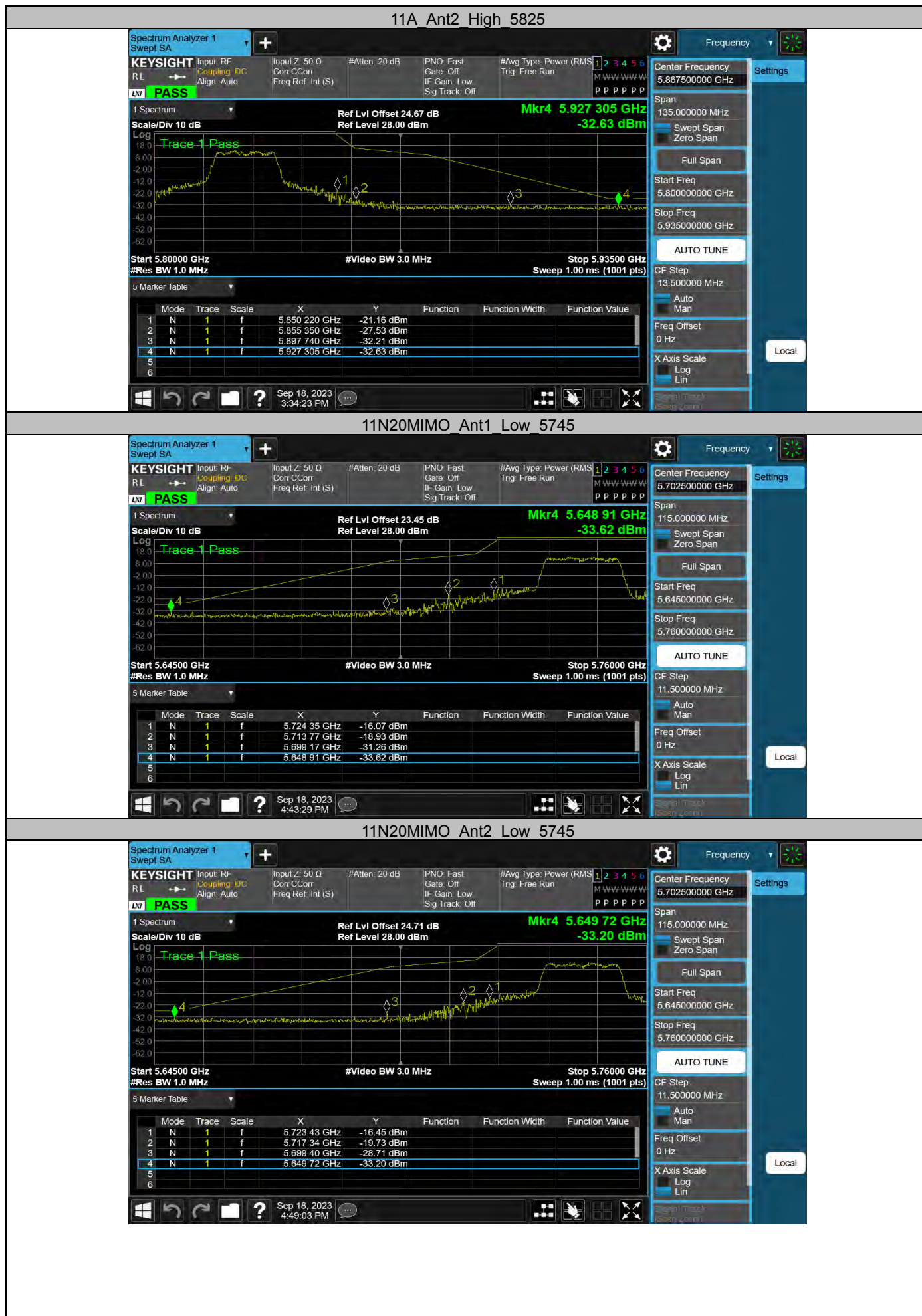
Test Mode	Antenna	Ch Name	Frequency [MHz]	Freq Range [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-28.51	≤5.81	PASS
				5700~5720	-16.39	≤15.47	PASS
				5720~5725	-13.34	≤25.52	PASS
				5760~5650	-34.14	≤-27	PASS
	Ant2	Low	5745	5650~5700	-30.08	≤9.13	PASS
				5700~5720	-17.47	≤15.34	PASS
				5720~5725	-12.65	≤26.30	PASS
				5760~5650	-32.44	≤-27	PASS
	Ant1	High	5825	5850~5855	-24.48	≤22.26	PASS
				5855~5875	-28.94	≤10.25	PASS
				5875~5925	-32.25	≤5.61	PASS
				5925~5935	-32.71	≤-27	PASS
	Ant2	High	5825	5850~5855	-21.16	≤16.10	PASS
				5855~5875	-27.54	≤10.10	PASS
				5875~5925	-32.21	≤-10.17	PASS
				5925~5935	-32.63	≤-27	PASS
11N20MIMO	Ant1	Low	5745	5650~5700	-31.26	≤9.38	PASS
				5700~5720	-18.93	≤13.86	PASS
				5720~5725	-16.07	≤25.52	PASS
				5760~5650	-33.62	≤-27	PASS
	Ant2	Low	5745	5650~5700	-28.71	≤9.55	PASS
				5700~5720	-19.73	≤14.85	PASS
				5720~5725	-16.45	≤23.42	PASS
				5760~5650	-33.2	≤-27	PASS
	Ant1	High	5825	5850~5855	-25.75	≤19.49	PASS
				5855~5875	-29.95	≤10.89	PASS
				5875~5925	-33.86	≤3.61	PASS
				5925~5935	-33.52	≤-27	PASS
	Ant2	High	5825	5850~5855	-23.74	≤20.41	PASS
				5855~5875	-27.9	≤11.50	PASS
				5875~5925	-31.36	≤-15.47	PASS
				5925~5935	-32.34	≤-27	PASS
11N40MIMO	Ant1	Low	5755	5650~5700	-33.85	≤-8.52	PASS
				5700~5720	-30.65	≤14.07	PASS
				5720~5725	-30.45	≤22.51	PASS
				5780~5650	-34.02	≤-27	PASS
	Ant2	Low	5755	5650~5700	-41.9	≤-23.31	PASS
				5700~5720	-36.44	≤15.58	PASS
				5720~5725	-38.45	≤24.05	PASS
				5780~5650	-42.35	≤-27	PASS
	Ant1	High	5795	5850~5855	-34.99	≤18.29	PASS
				5855~5875	-34.69	≤13.64	PASS
				5875~5925	-33.43	≤6.66	PASS
				5925~5935	-34.38	≤-27	PASS
	Ant2	High	5795	5850~5855	-32.4	≤23.93	PASS
				5855~5875	-32.19	≤12.26	PASS
				5875~5925	-31.64	≤-15.44	PASS
				5925~5935	-32.81	≤-27	PASS
11AC20MIMO	Ant1	Low	5745	5650~5700	-33.84	≤-10.70	PASS
				5700~5720	-27.19	≤15.59	PASS
				5720~5725	-20.5	≤25.52	PASS
				5760~5650	-34.74	≤-27	PASS
	Ant2	Low	5745	5650~5700	-31.32	≤4.02	PASS

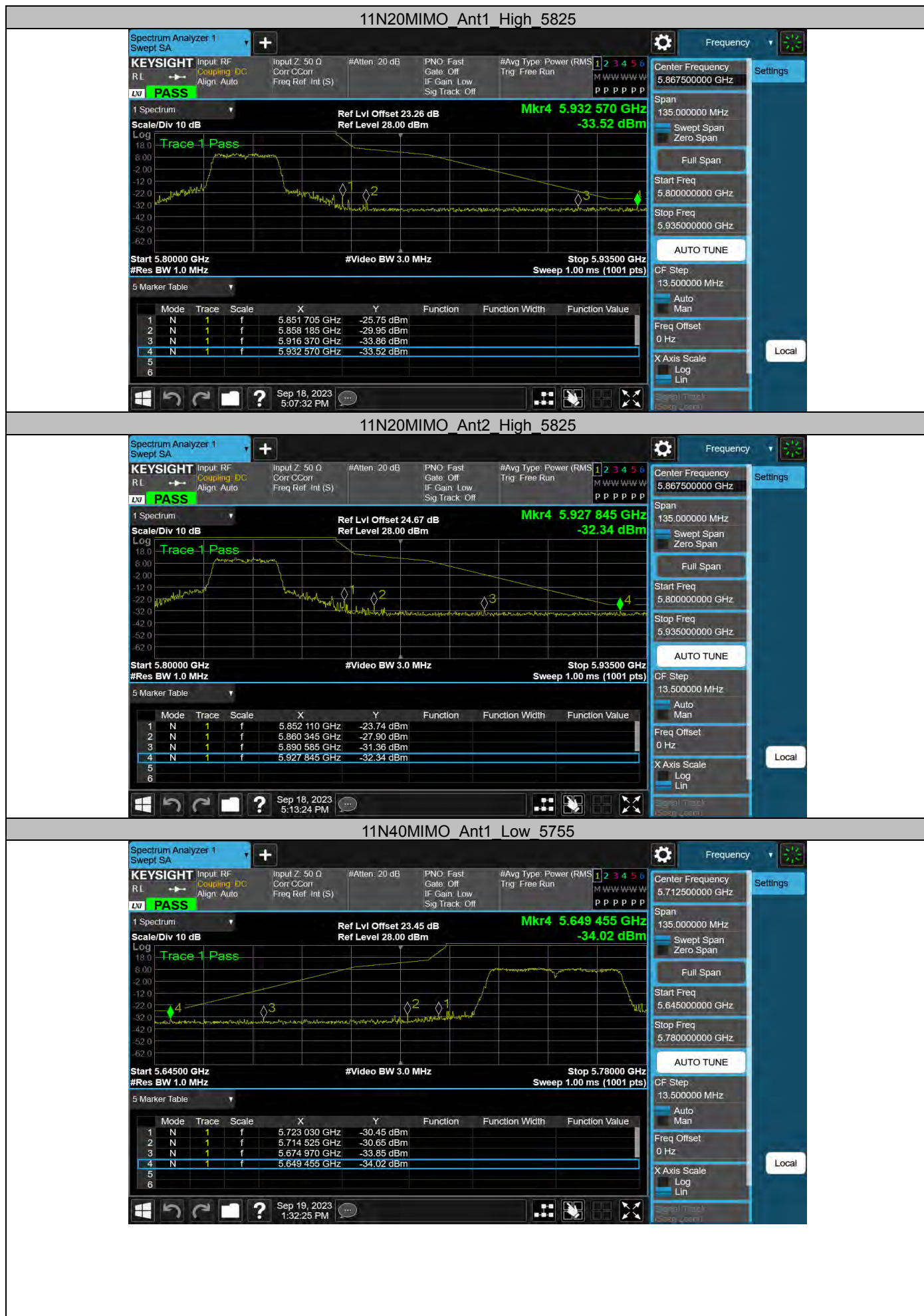
				5700~5720	-31.52	≤10.99	PASS
				5720~5725	-31.38	≤25.26	PASS
				5760~5650	-32.35	≤-27	PASS
	Ant1	High	5825	5850~5855	-34.55	≤18.87	PASS
				5855~5875	-34.18	≤12.71	PASS
				5875~5925	-33.69	≤-3.38	PASS
				5925~5935	-33.94	≤-27	PASS
				5850~5855	-32.79	≤24.10	PASS
	Ant2	High	5825	5855~5875	-32.66	≤14.41	PASS
				5875~5925	-32.66	≤-1.48	PASS
				5925~5935	-33.17	≤-27	PASS
				5850~5855	-31.62	≤18.67	PASS
11AC40MIM O	Ant1	Low	5755	5650~5700	-33.99	≤-4.13	PASS
				5700~5720	-32.63	≤15.35	PASS
				5720~5725	-32.53	≤26.82	PASS
				5780~5650	-35.11	≤-27	PASS
	Ant2	Low	5755	5650~5700	-31.08	≤7.46	PASS
				5700~5720	-27.56	≤15.01	PASS
				5720~5725	-26.42	≤19.12	PASS
				5780~5650	-32.31	≤-27	PASS
	Ant1	High	5795	5850~5855	-33.57	≤26.94	PASS
				5855~5875	-33.62	≤10.04	PASS
				5875~5925	-33.64	≤-1.28	PASS
				5925~5935	-33.71	≤-27	PASS
	Ant2	High	5795	5850~5855	-31.62	≤18.67	PASS
				5855~5875	-32.61	≤11.10	PASS
				5875~5925	-32.35	≤-10.81	PASS
				5925~5935	-33.8	≤-27	PASS
11AC80MIM O	Ant1	Low	5775	5650~5700	-31.36	≤1.65	PASS
				5700~5720	-30.33	≤15.39	PASS
				5720~5725	-28.77	≤20.59	PASS
				5800~5650	-34.53	≤-27	PASS
	Ant1	High	5775	5850~5855	-31.81	≤19.17	PASS
				5855~5875	-30.88	≤11.16	PASS
				5875~5925	-33.23	≤-25.86	PASS
				5925~5935	-34.43	≤-27	PASS
	Ant2	Low	5775	5650~5700	-27.22	≤8.99	PASS
				5700~5720	-27.03	≤11.57	PASS
				5720~5725	-24.46	≤20.59	PASS
				5800~5650	-33.83	≤-27	PASS
		High	5775	5850~5855	-33.62	≤22.96	PASS
				5855~5875	-32.69	≤12.41	PASS
				5875~5925	-32.58	≤0.42	PASS
				5925~5935	-33.55	≤-27	PASS
11AX20MIM O	Ant1	Low	5745	5650~5700	-33.32	≤-13.00	PASS
				5700~5720	-27.38	≤15.34	PASS
				5720~5725	-25.66	≤25.78	PASS
				5760~5650	-34.4	≤-27	PASS
	Ant2	Low	5745	5650~5700	-33.06	≤-15.64	PASS
				5700~5720	-32.73	≤13.86	PASS
				5720~5725	-29.5	≤21.06	PASS
				5760~5650	-33.54	≤-27	PASS
	Ant1	High	5825	5850~5855	-33.68	≤22.57	PASS
				5855~5875	-33.25	≤12.44	PASS
				5875~5925	-32.9	≤-6.78	PASS
				5925~5935	-33.88	≤-27	PASS
	Ant2	High	5825	5850~5855	-33.62	≤23.80	PASS
				5855~5875	-30.6	≤10.14	PASS
				5875~5925	-31.71	≤-4.28	PASS
				5925~5935	-32.88	≤-27	PASS

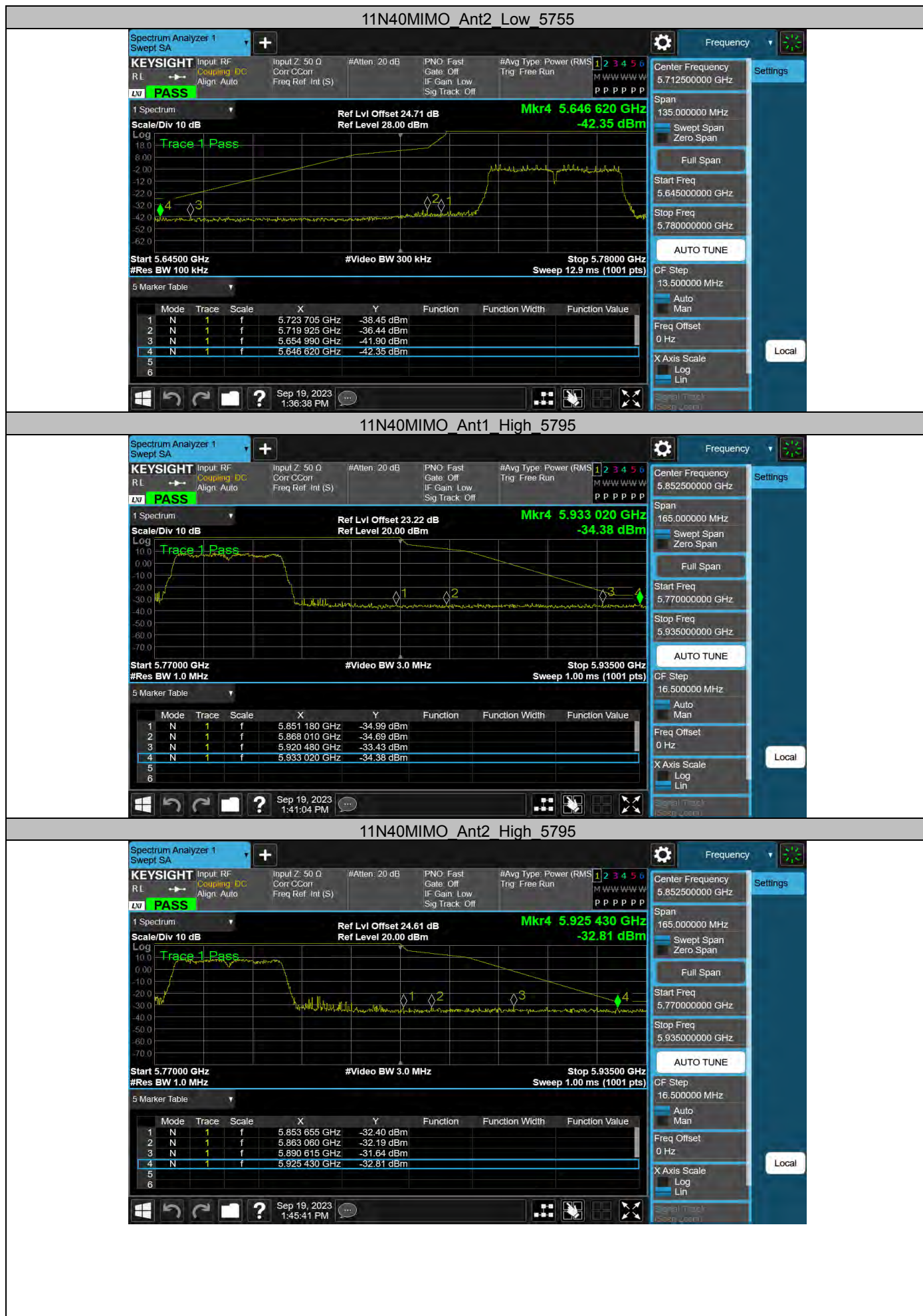
11AX40MIM O	Ant1	Low	5755	5650~5700	-34.08	≤ -4.83	PASS
				5700~5720	-30.2	≤ 15.35	PASS
				5720~5725	-28.89	≤ 25.28	PASS
				5780~5650	-35.13	≤ -27	PASS
	Ant2	Low	5755	5650~5700	-31.12	≤ -10.72	PASS
				5700~5720	-30.01	≤ 15.35	PASS
				5720~5725	-29	≤ 26.82	PASS
				5780~5650	-33.47	≤ -27	PASS
	Ant1	High	5795	5850~5855	-35.08	≤ 23.56	PASS
				5855~5875	-33.51	≤ 14.61	PASS
				5875~5925	-34.32	≤ 2.87	PASS
				5925~5935	-34.36	≤ -27	PASS
11AX80MIM O	Ant1	Low	5775	5650~5700	-27.88	≤ 8.64	PASS
				5700~5720	-27.45	≤ 10.57	PASS
				5720~5725	-28.41	≤ 22.01	PASS
				5800~5650	-34.5	≤ -27	PASS
		High	5775	5850~5855	-32.1	≤ 18.32	PASS
				5855~5875	-31.52	≤ 13.03	PASS
				5875~5925	-33.49	≤ -4.37	PASS
				5925~5935	-34.76	≤ -27	PASS
	Ant2	Low	5775	5650~5700	-28.79	≤ -5.12	PASS
				5700~5720	-26.62	≤ 10.61	PASS
				5720~5725	-26.2	≤ 20.24	PASS
				5800~5650	-34.35	≤ -27	PASS
		High	5775	5850~5855	-32.88	≤ 20.86	PASS
				5855~5875	-31.93	≤ 14.63	PASS
				5875~5925	-32.26	≤ -11.49	PASS
				5925~5935	-32.71	≤ -27	PASS

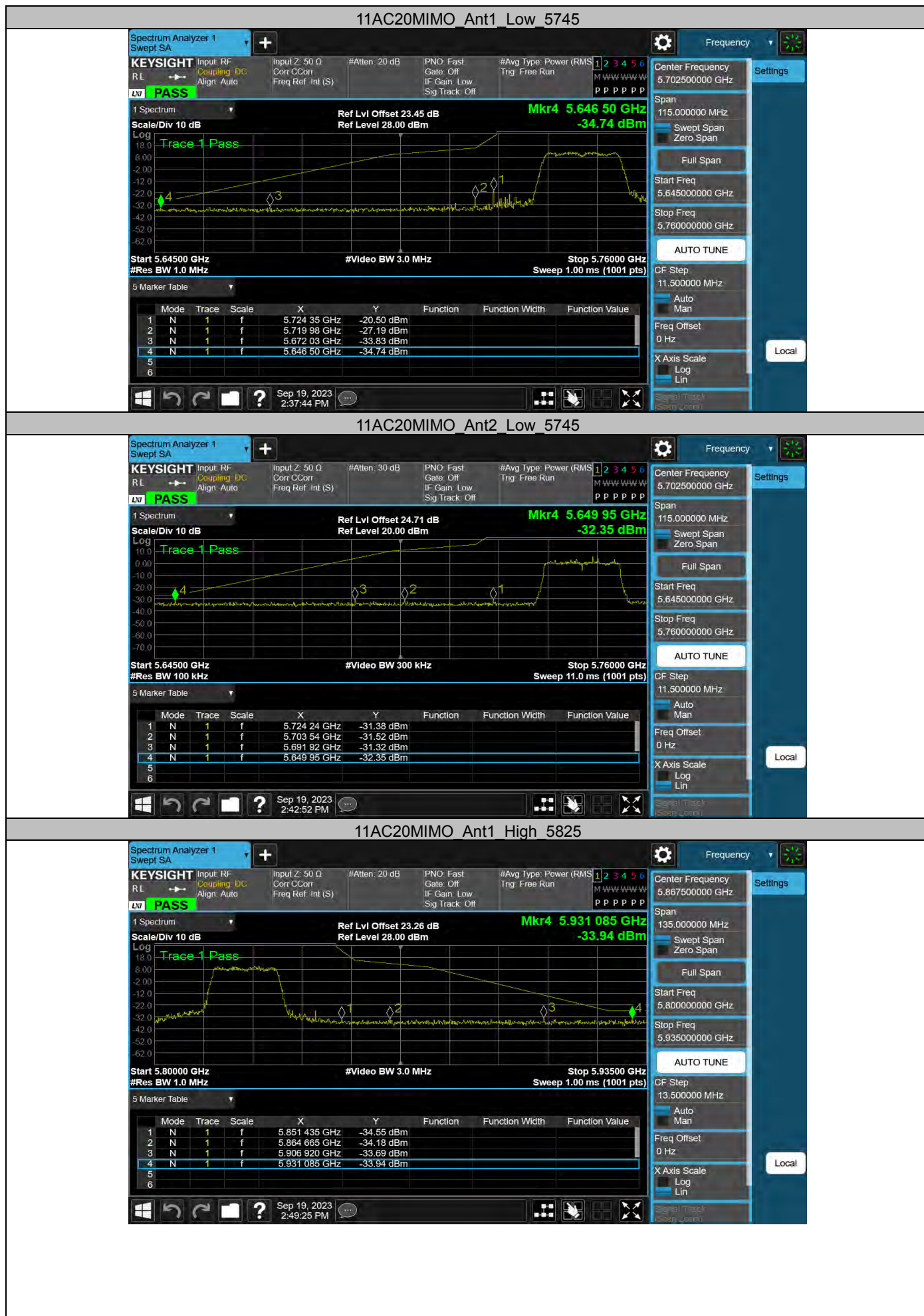
Test Graphs B4

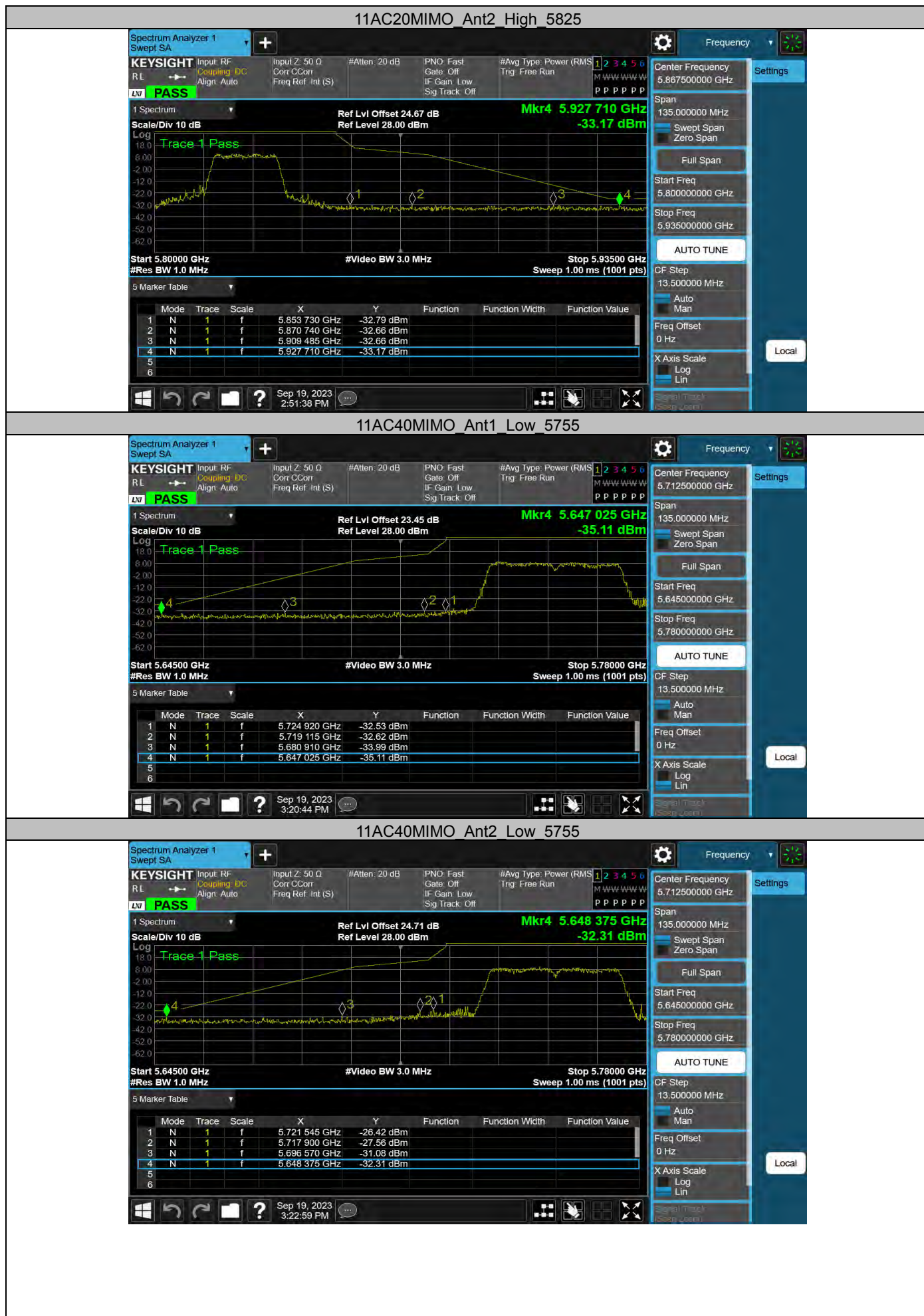


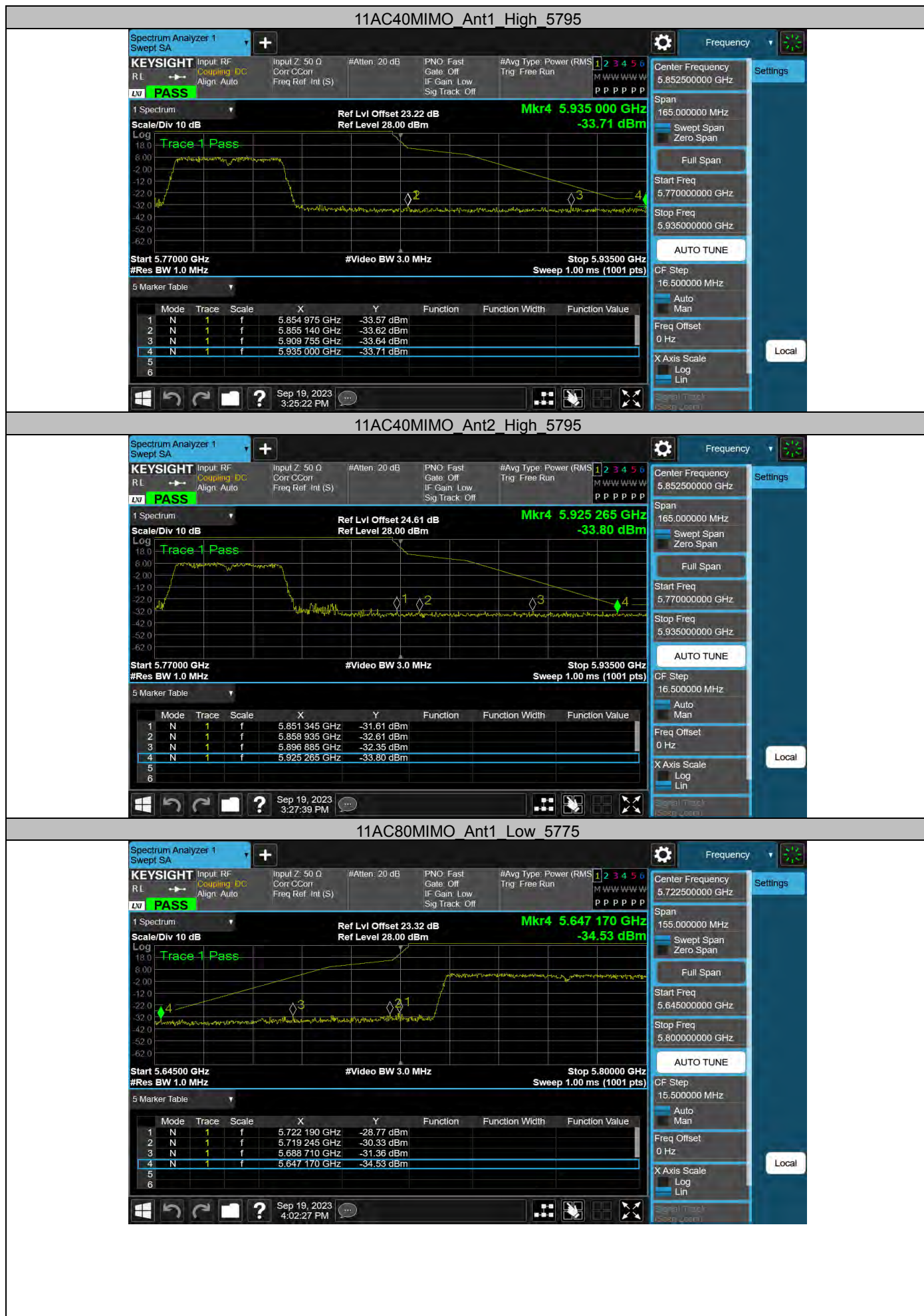


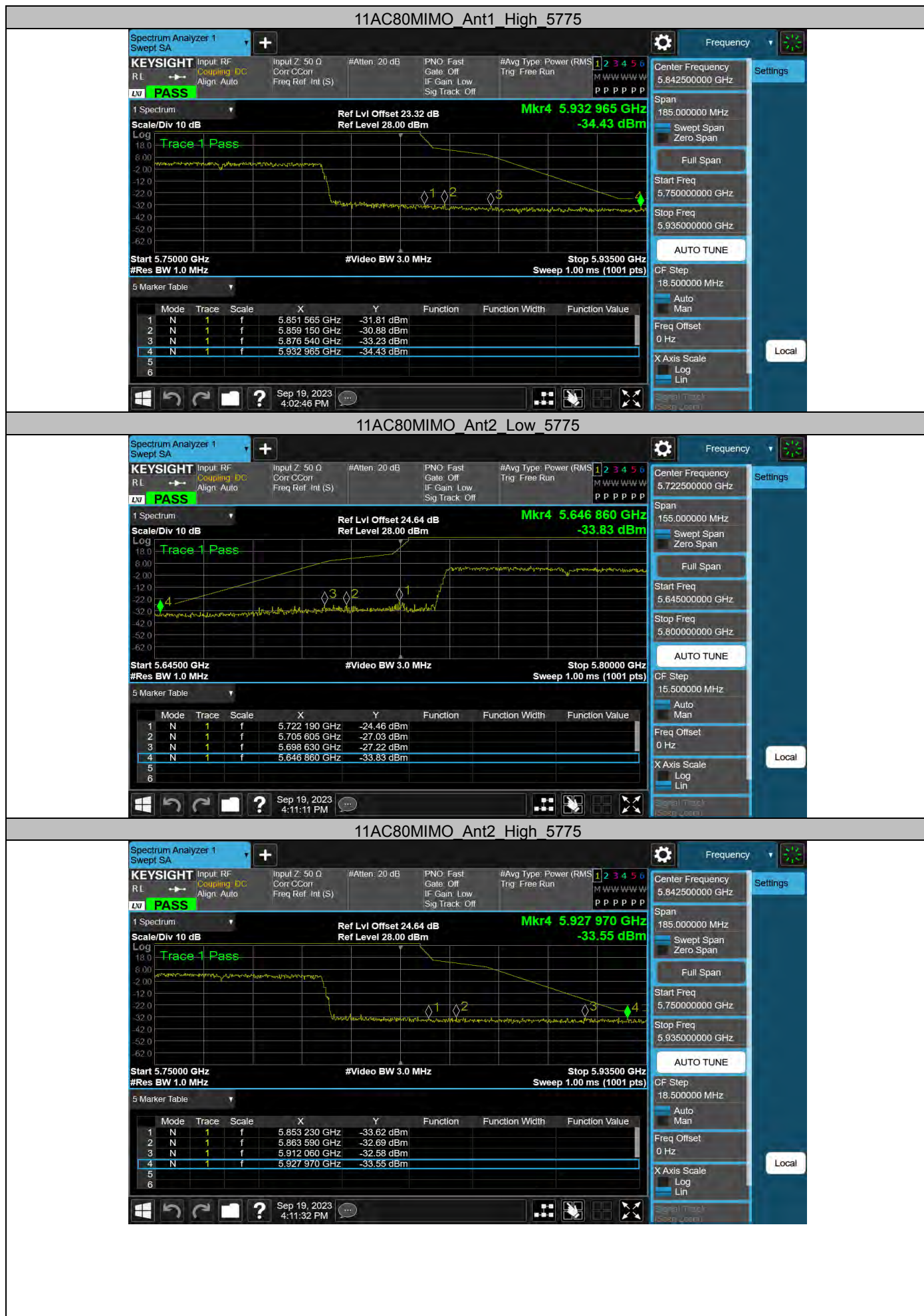




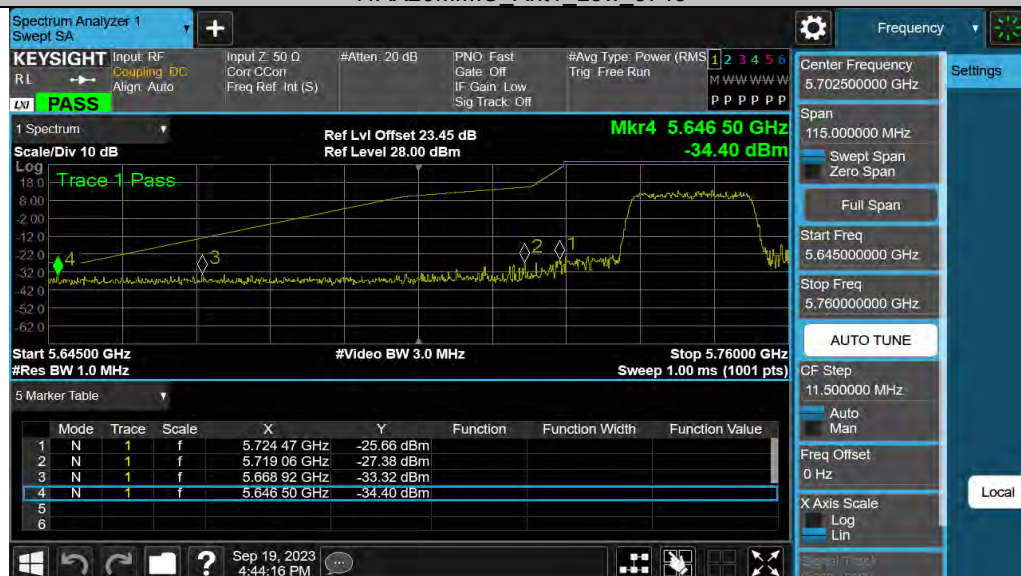




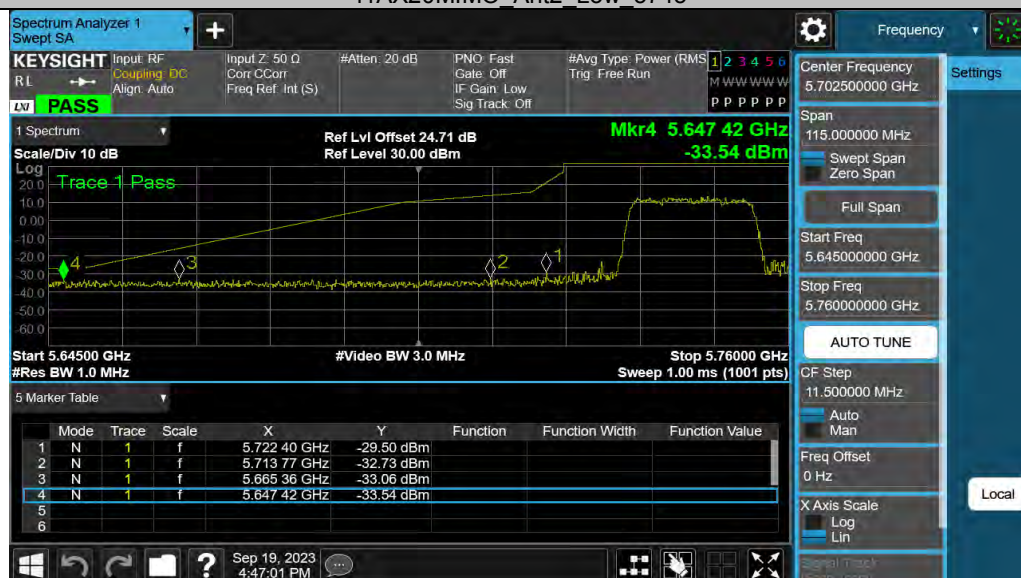




11AX20MIMO Ant1 Low 5745

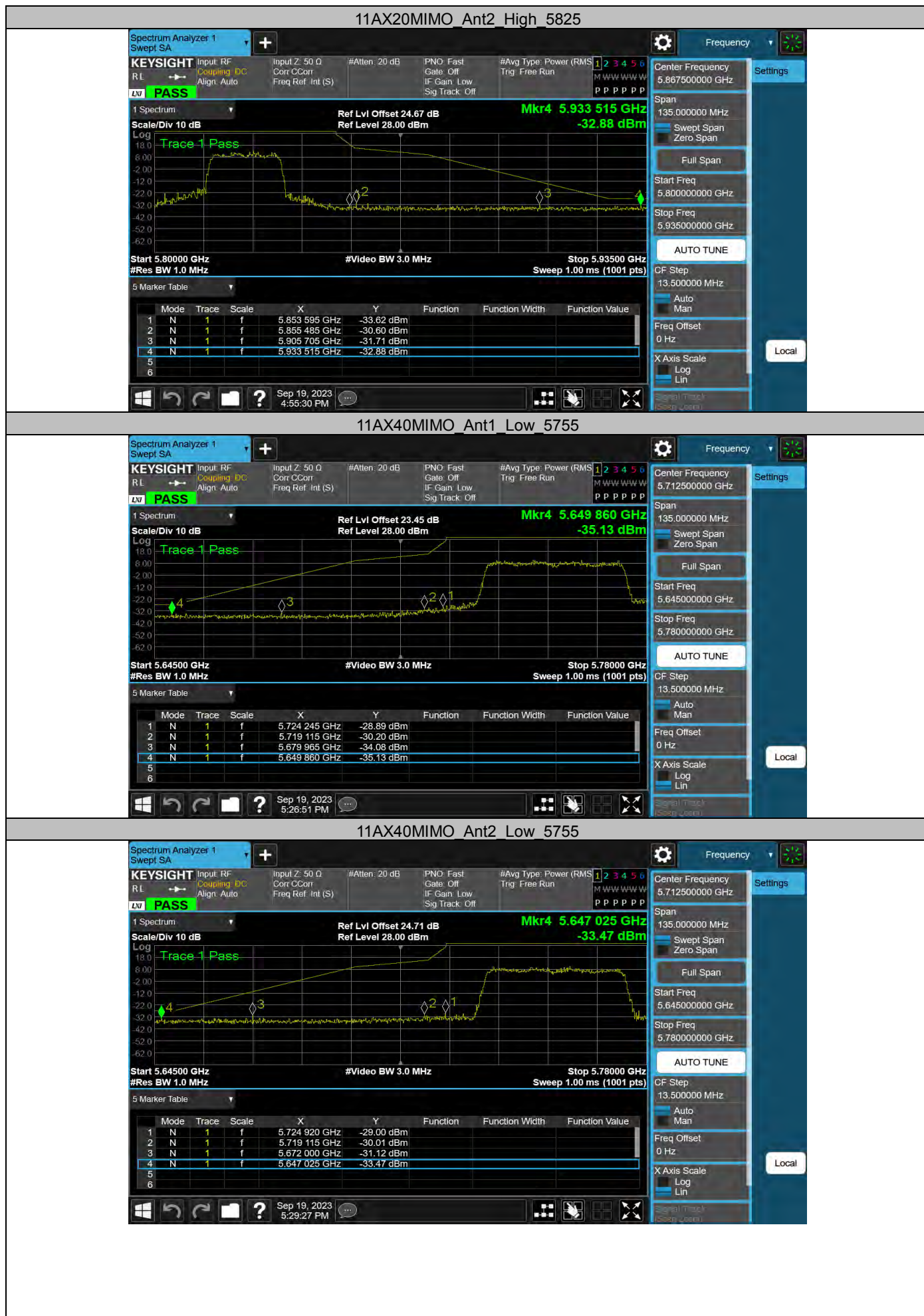


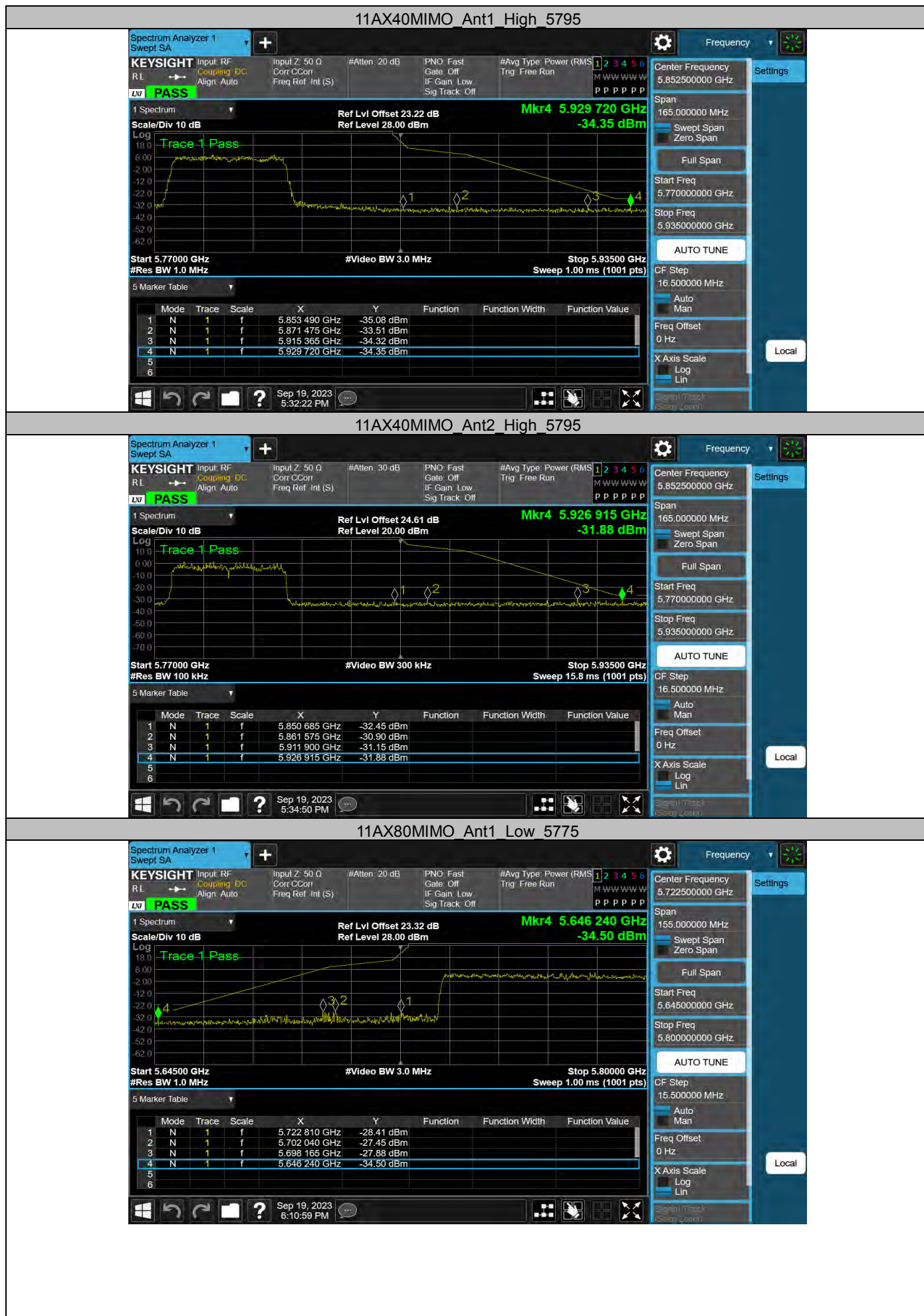
11AX20MIMO Ant2 Low 5745

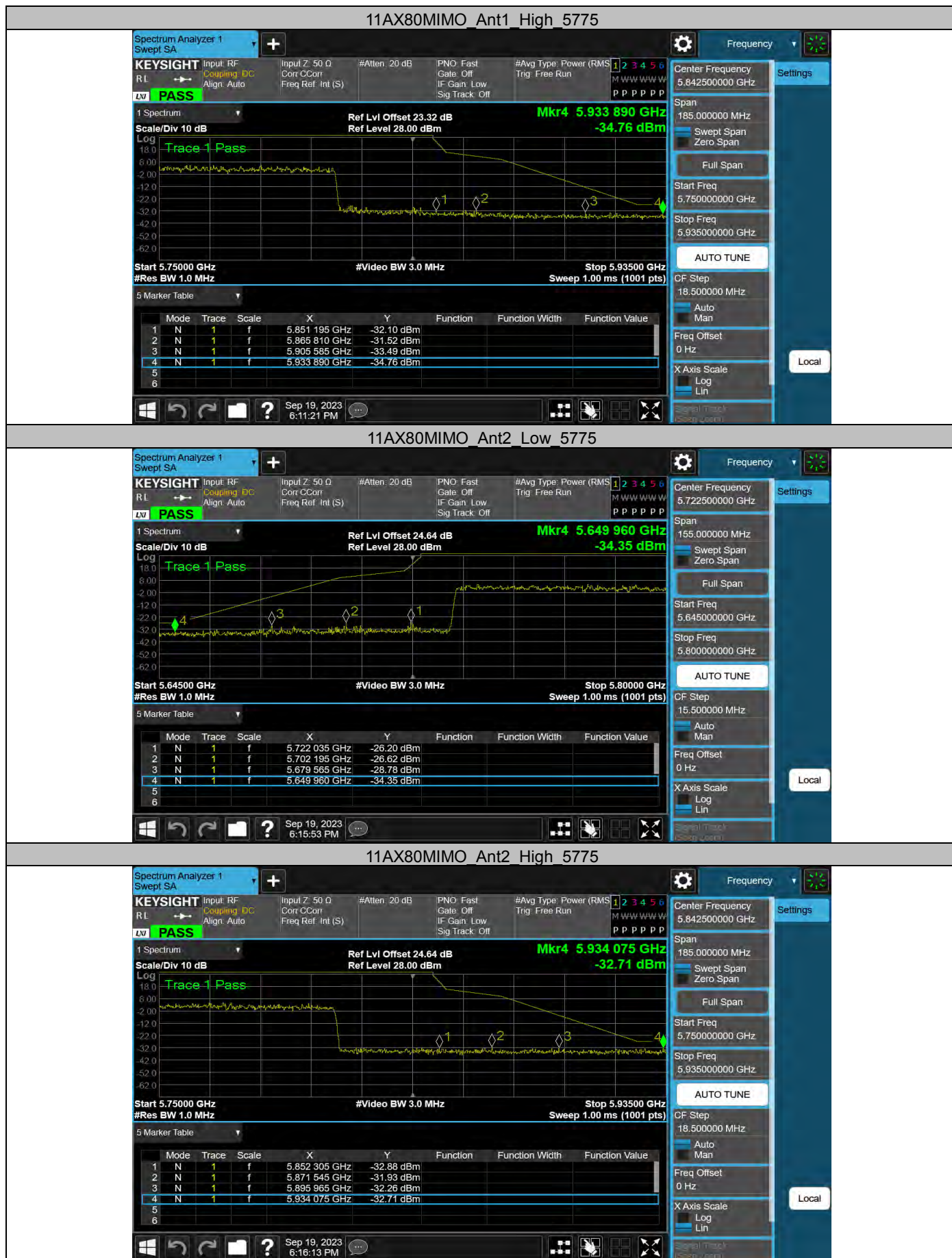


11AX20MIMO Ant1 High 5825









Appendix H: Frequency Stability Test Result

Voltage								
Test Mode	Antenna	Frequency[M Hz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-20000.00	-3.861004	20	PASS
			LV	NT	-20000.00	-3.861004	20	PASS
			HV	NT	-20000.00	-3.861004	20	PASS
		5260	NV	NT	-20000.00	-3.802281	20	PASS
			LV	NT	-40000.00	-7.604563	20	PASS
			HV	NT	-40000.00	-7.604563	20	PASS
		5500	NV	NT	-40000.00	-7.272727	20	PASS
			LV	NT	-40000.00	-7.272727	20	PASS
			HV	NT	-40000.00	-7.272727	20	PASS
		5745	NV	NT	-20000.00	-3.481288	20	PASS
			LV	NT	-40000.00	-6.962576	20	PASS
			HV	NT	-20000.00	-3.481288	20	PASS

Temperature								
Test Mode	Antenna	Frequency[M Hz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	-20000.00	-3.861004	20	PASS
			NV	-20	-40000.00	-7.722008	20	PASS
			NV	-10	-20000.00	-3.861004	20	PASS
			NV	0	-20000.00	-3.861004	20	PASS
			NV	10	-20000.00	-3.861004	20	PASS
			NV	20	-20000.00	-3.861004	20	PASS
			NV	30	-40000.00	-7.722008	20	PASS
			NV	40	-40000.00	-7.722008	20	PASS
		5260	NV	50	-40000.00	-7.722008	20	PASS
			NV	-30	-20000.00	-3.802281	20	PASS
			NV	-20	-40000.00	-7.604563	20	PASS
			NV	-10	-40000.00	-7.604563	20	PASS
			NV	0	-20000.00	-3.802281	20	PASS
			NV	10	-40000.00	-7.604563	20	PASS
			NV	20	-40000.00	-7.604563	20	PASS
			NV	30	-20000.00	-3.802281	20	PASS
			NV	40	-40000.00	-7.604563	20	PASS
			NV	50	-20000.00	-3.802281	20	PASS
		5500	NV	-30	-20000.00	-3.636364	20	PASS
			NV	-20	-40000.00	-7.272727	20	PASS
			NV	-10	-20000.00	-3.636364	20	PASS
			NV	0	-40000.00	-7.272727	20	PASS
			NV	10	-40000.00	-7.272727	20	PASS
			NV	20	-20000.00	-3.636364	20	PASS
			NV	30	-20000.00	-3.636364	20	PASS
			NV	40	-20000.00	-3.636364	20	PASS
			NV	50	-20000.00	-3.636364	20	PASS
		5745	NV	-30	-20000.00	-3.481288	20	PASS
			NV	-20	-40000.00	-6.962576	20	PASS
			NV	-10	-40000.00	-6.962576	20	PASS
			NV	0	-40000.00	-6.962576	20	PASS
			NV	10	-20000.00	-3.481288	20	PASS
			NV	20	-40000.00	-6.962576	20	PASS
			NV	30	-20000.00	-3.481288	20	PASS
			NV	40	-40000.00	-6.962576	20	PASS
			NV	50	-40000.00	-6.962576	20	PASS

11. TEST SETUP PHOTO

Refer to report no. ESTE-R2311015 (Appendix A)

12. EUT PHOTO

Refer to report no. ESTE-R2311016 (Appendix B)

End of Test Report