

Appendix D

RF Test Data for 5.5GWIFI (Conducted Measurement)

Product Name: MagicDash 4
Test Model: MagicDash 4

Environmental Conditions

Temperature:	24.2° C
Relative Humidity:	53.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang Hai
Supervised by:	Fengliu Tang

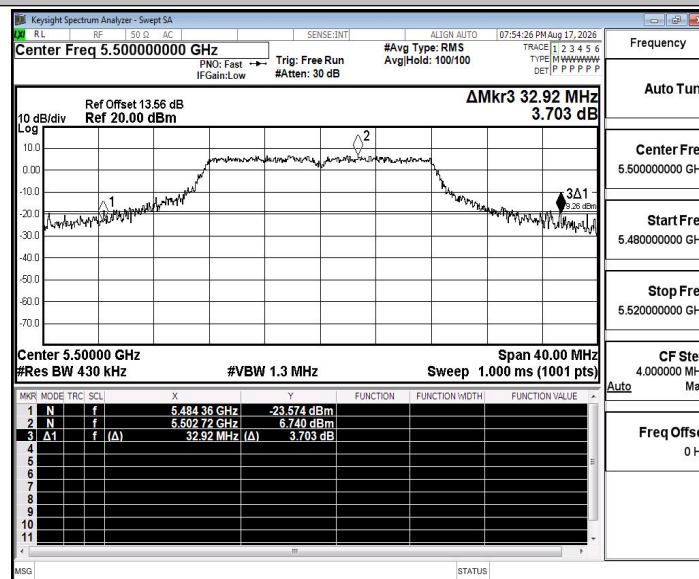
D.1 26dB Bandwidth

Test Result

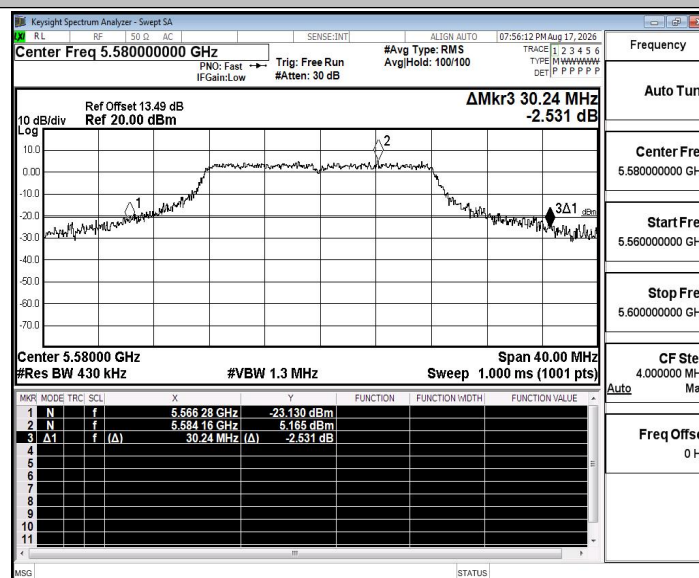
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	32.920	5484.360	5517.280	---	---
		5580	30.240	5566.280	5596.520	---	---
		5700	27.320	5686.000	5713.320	---	---
11N20SISO	Ant1	5500	26.560	5486.800	5513.360	---	---
		5580	27.400	5565.920	5593.320	---	---
		5700	26.920	5686.360	5713.280	---	---
11N40SISO	Ant1	5510	48.640	5486.560	5535.200	---	---
		5550	46.160	5527.600	5573.760	---	---
		5670	47.360	5646.400	5693.760	---	---
11AC20SISO	Ant1	5500	31.120	5485.080	5516.200	---	---
		5580	30.200	5564.480	5594.680	---	---
		5700	33.480	5682.600	5716.080	---	---
11AC40SISO	Ant1	5510	71.120	5475.680	5546.800	---	---
		5550	69.840	5517.520	5587.360	---	---
		5670	58.240	5636.160	5694.400	---	---
11AX20SISO	Ant1	5500	30.360	5487.200	5517.560	---	---
		5580	29.720	5567.040	5596.760	---	---
		5700	29.760	5687.120	5716.880	---	---
11AX40SISO	Ant1	5510	52.640	5481.600	5534.240	---	---
		5550	53.360	5523.840	5577.200	---	---
		5670	54.000	5642.560	5696.560	---	---

Test Graphs

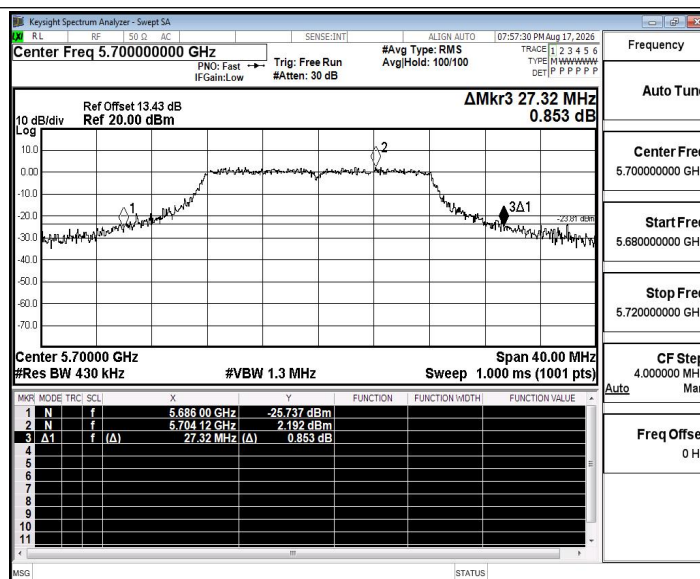
11A_Ant1_5500



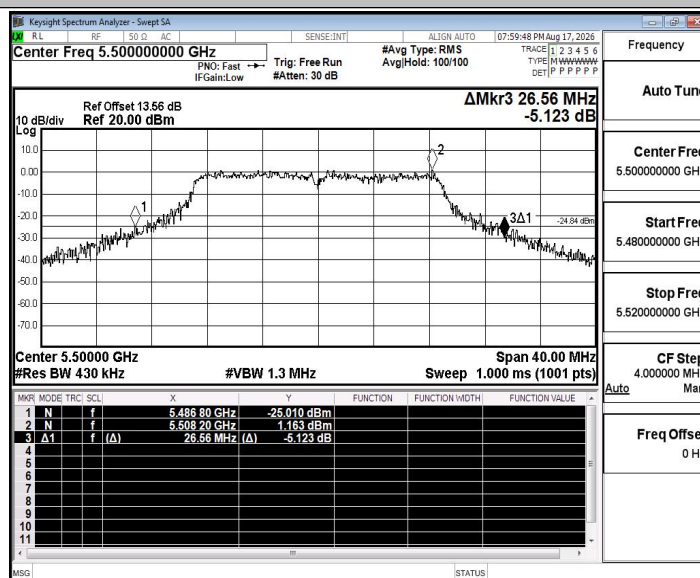
11A_Ant1_5580



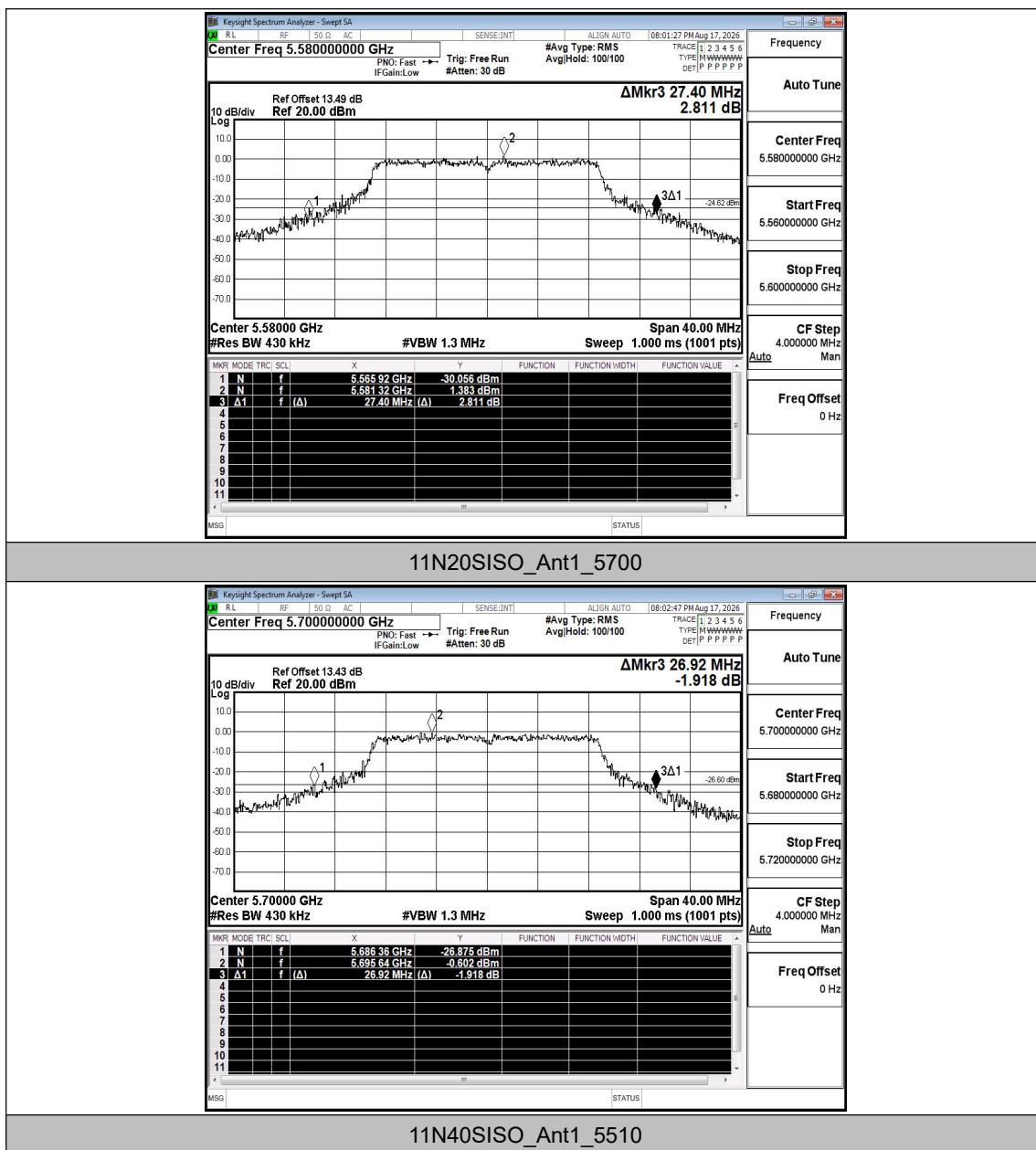
11A_Ant1_5700

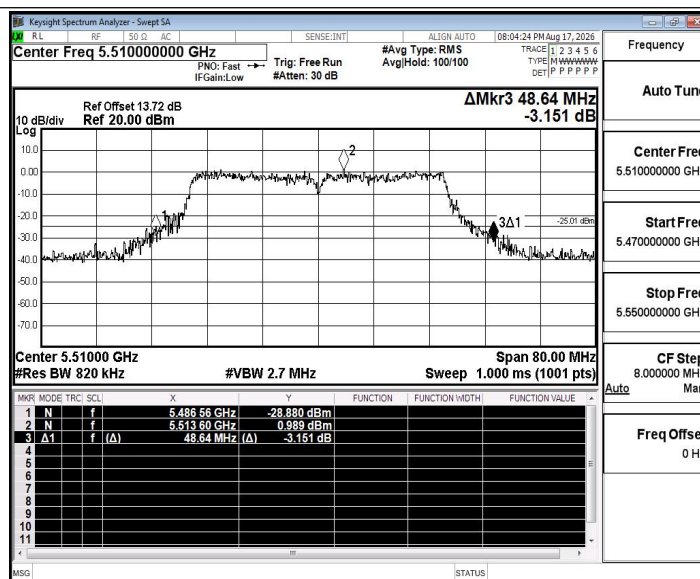


11N20SISO_Ant1_5500

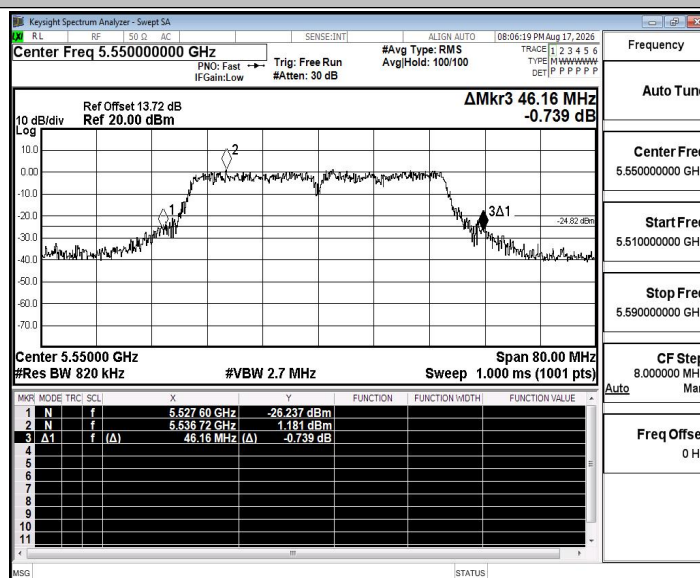


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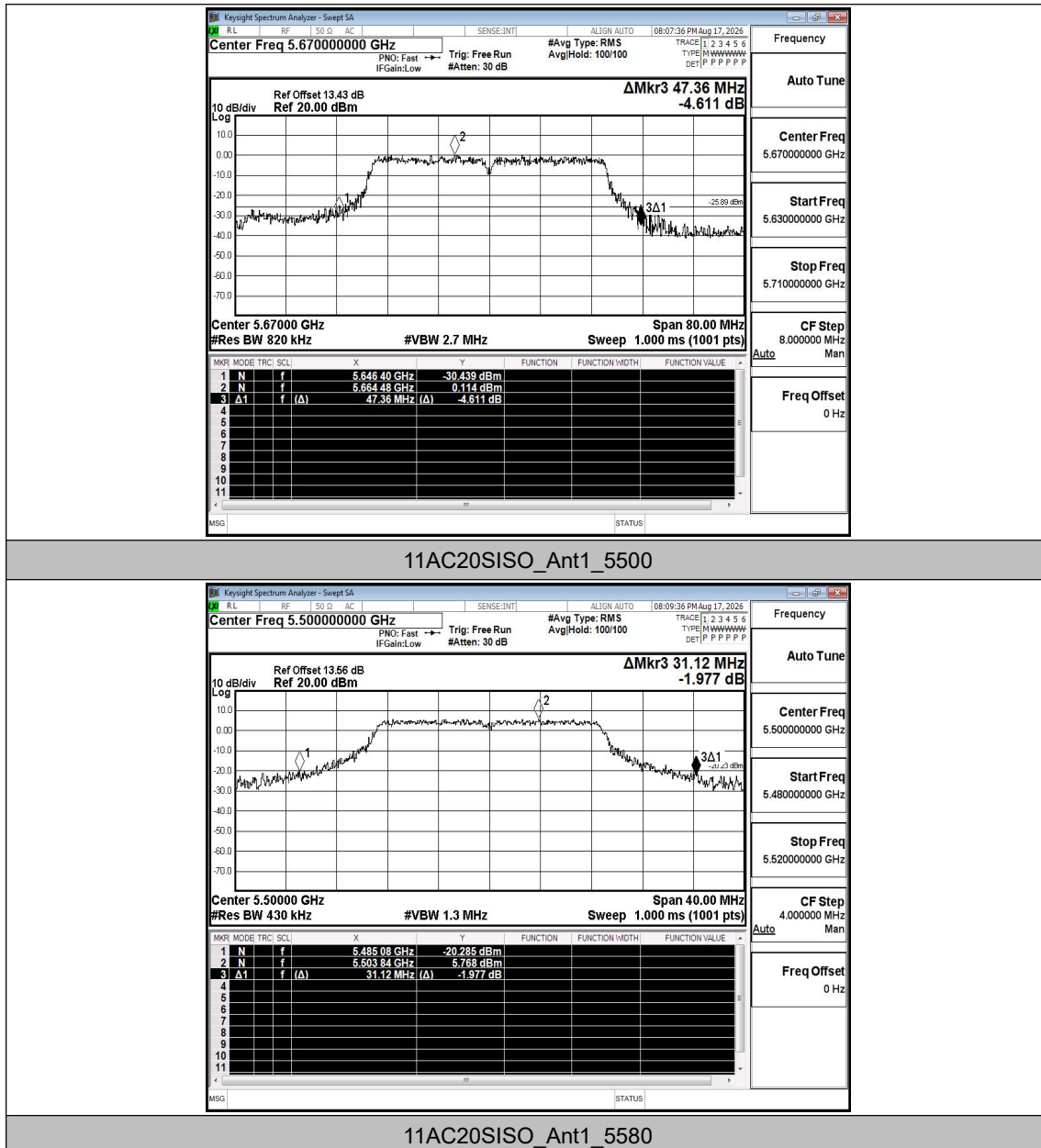


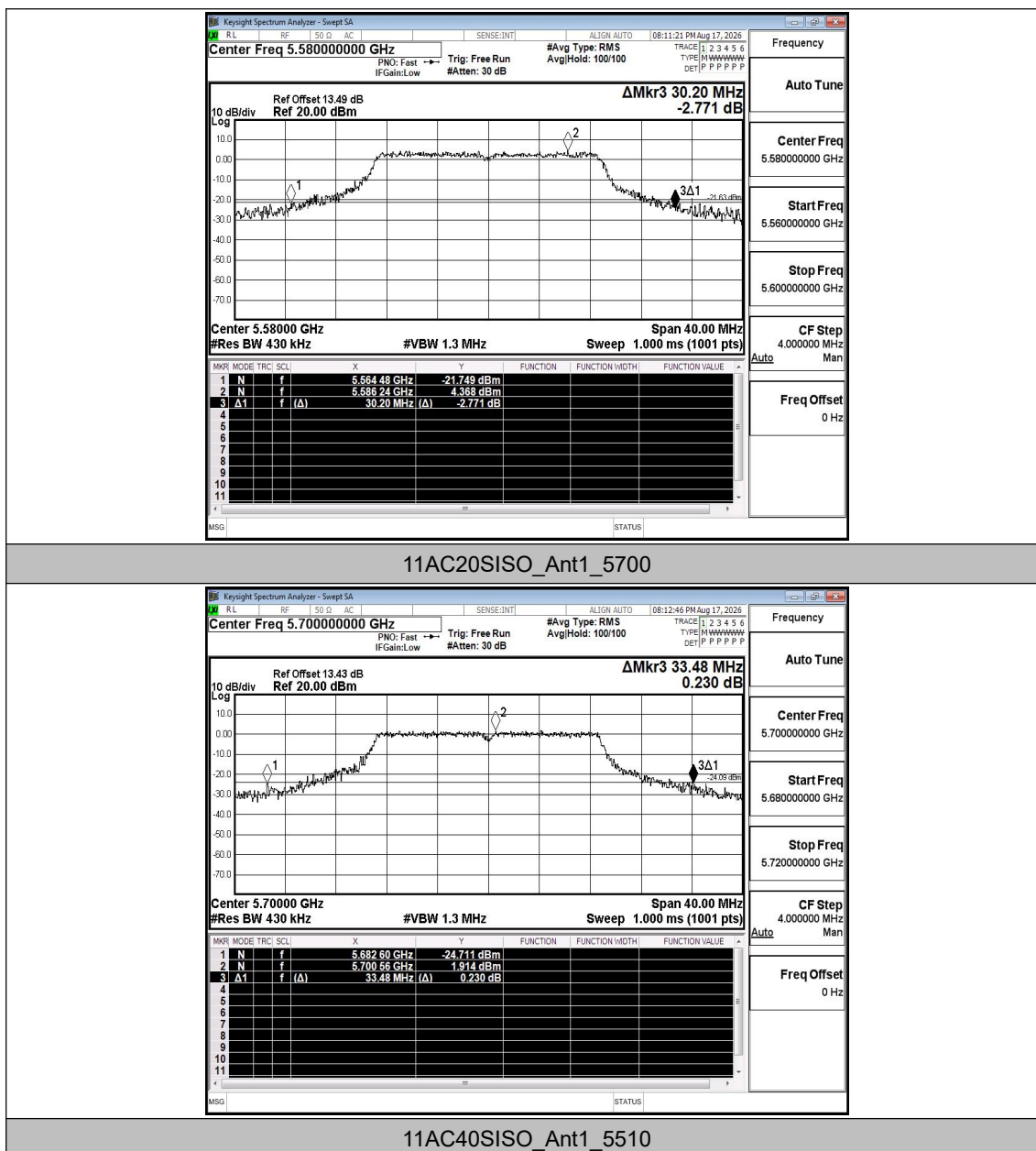


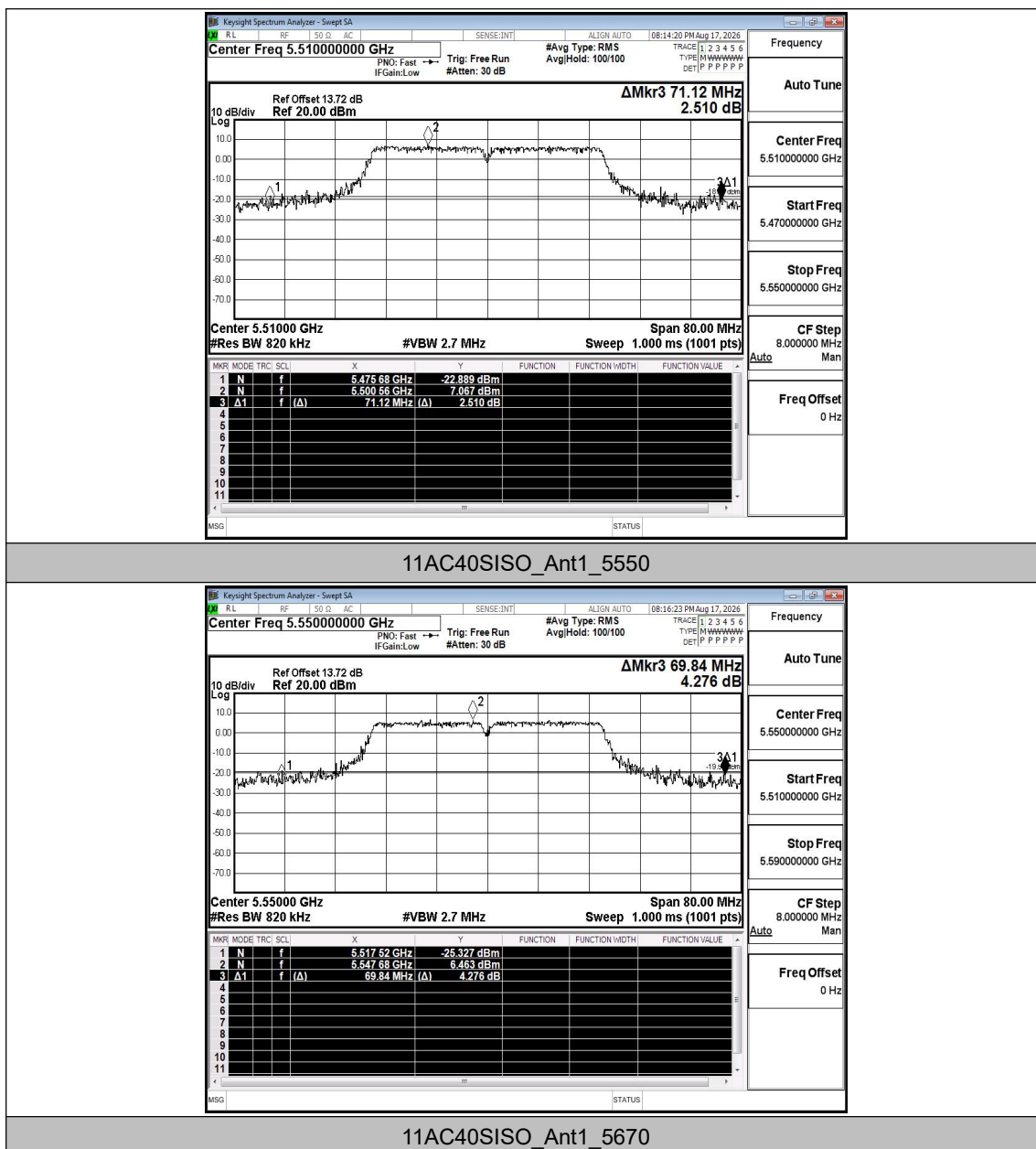
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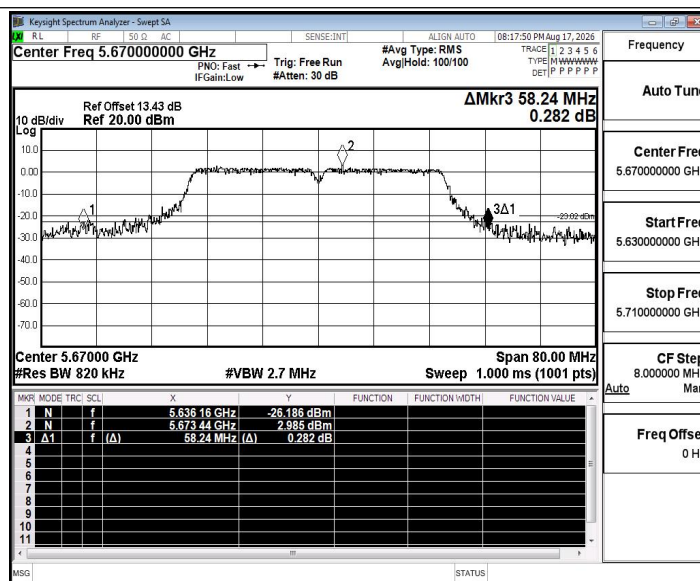


11N40SISO_Ant1_5670

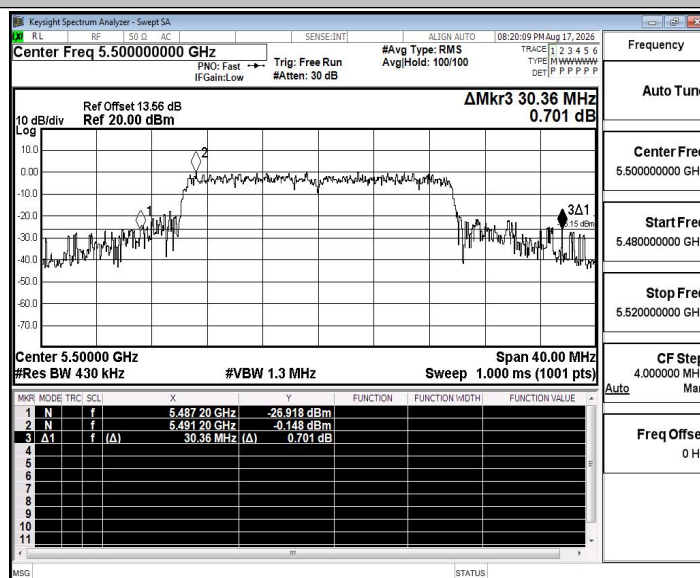




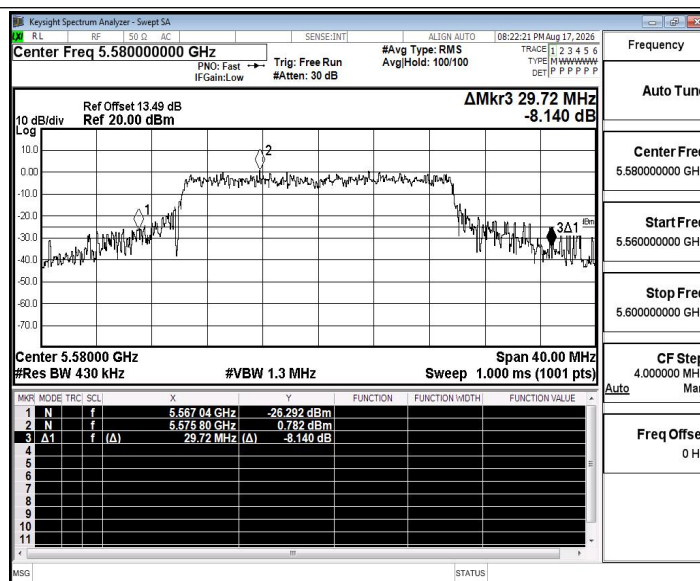




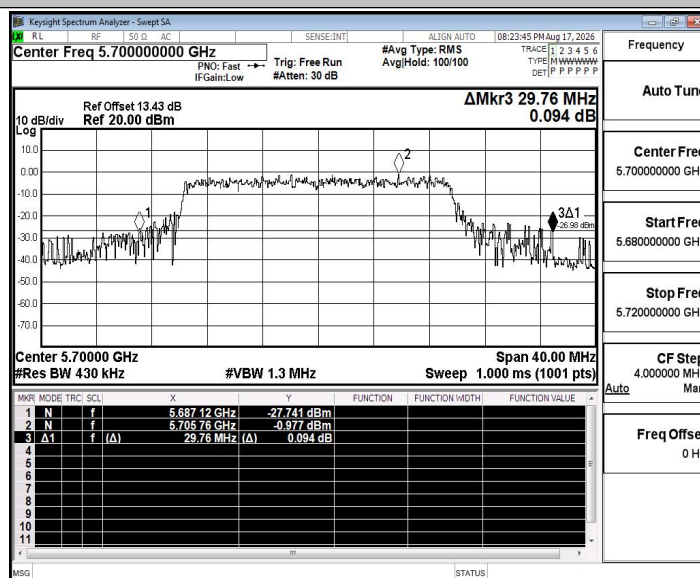
11AX20SISO_Ant1_5500



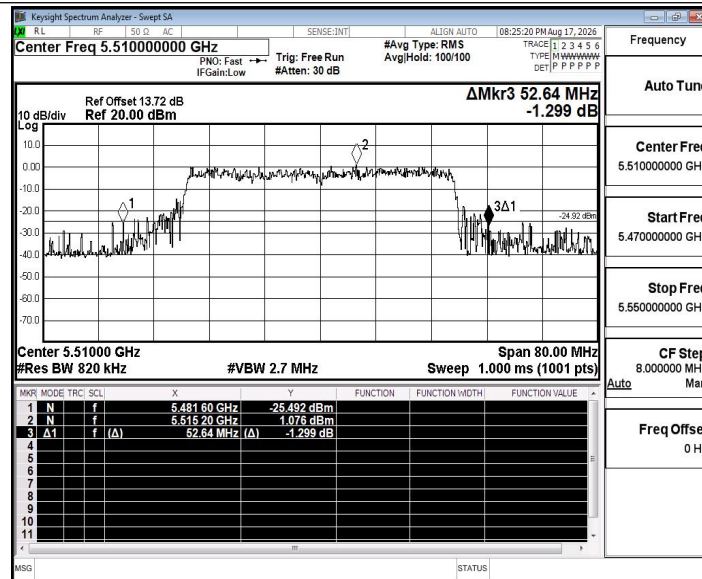
11AX20SISO_Ant1_5580



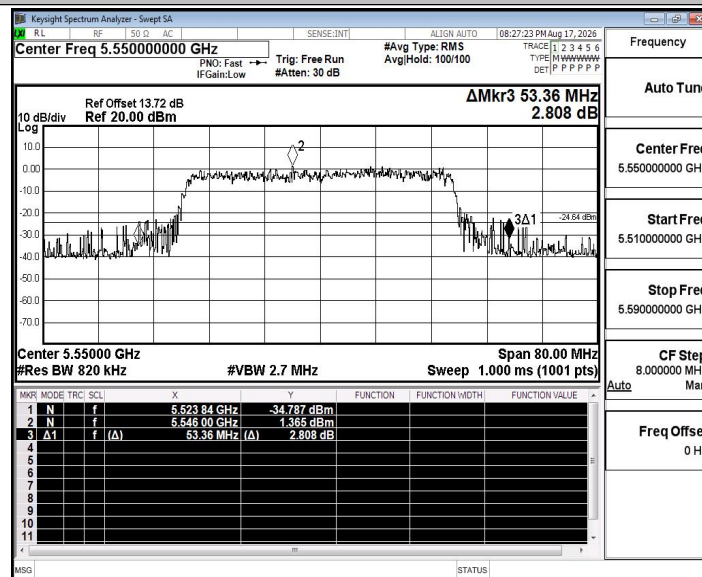
11AX20SISO_Ant1_5700



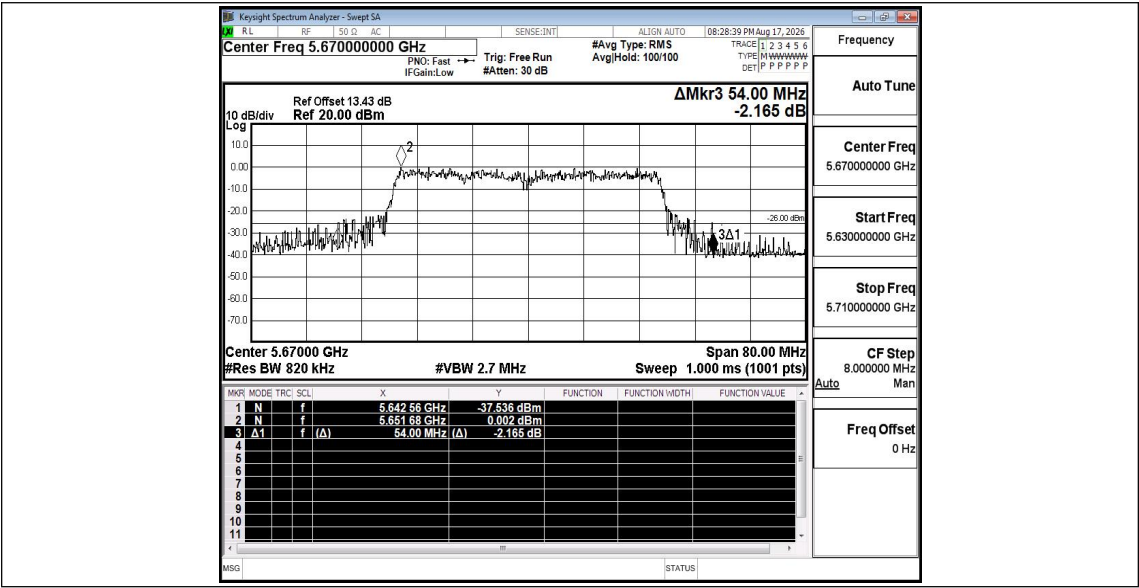
11AX40SISO_Ant1_5510



11AX40SISO_Ant1_5550



11AX40SISO_Ant1_5670



D.2 Maximum conducted output power

Test Result

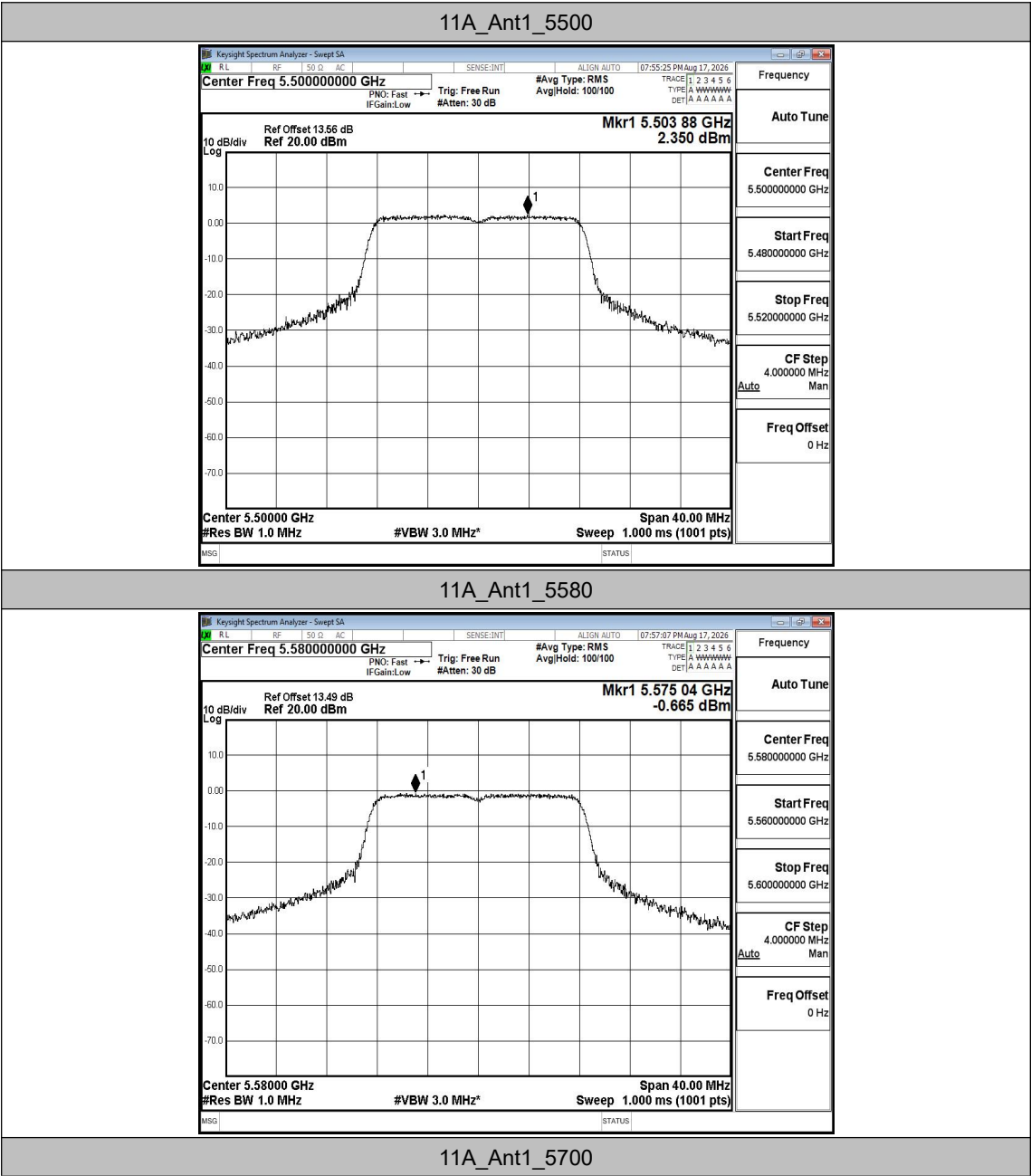
Test Mode	Antenna	Freq(MHz)	Measured Power [dBm]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	13.79	1.78	15.57	≤23.98	PASS
		5580	11.53	1.78	13.31	≤23.98	PASS
		5700	10.55	1.77	12.32	≤23.98	PASS
11N20SISO	Ant1	5500	1.82	7.54	9.36	≤23.98	PASS
		5580	2.26	7.35	9.61	≤23.98	PASS
		5700	1.88	7.35	9.23	≤23.98	PASS
11N40SISO	Ant1	5510	-0.18	9.47	9.29	≤23.98	PASS
		5550	-0.24	9.47	9.23	≤23.98	PASS
		5670	-0.01	9.47	9.46	≤23.98	PASS
11AC20SISO	Ant1	5500	13.34	1.87	15.21	≤23.98	PASS
		5580	11.59	1.88	13.47	≤23.98	PASS
		5700	10.29	1.88	12.17	≤23.98	PASS
11AC40SISO	Ant1	5510	12.35	3.19	15.54	≤23.98	PASS
		5550	11.23	3.21	14.44	≤23.98	PASS
		5670	8.86	3.24	12.10	≤23.98	PASS
11AX20SISO	Ant1	5500	-0.46	9.18	8.72	≤23.98	PASS
		5580	-0.60	8.92	8.32	≤23.98	PASS
		5700	-0.59	9.22	8.63	≤23.98	PASS
11AX40SISO	Ant1	5510	-1.59	10.12	8.53	≤23.98	PASS
		5550	-1.73	10.49	8.76	≤23.98	PASS
		5670	-1.63	10.53	8.90	≤23.98	PASS

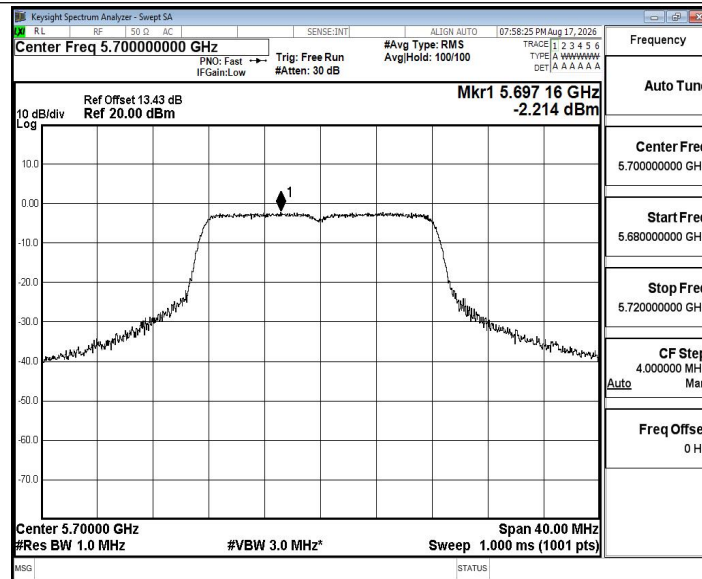
D.3 Maximum power spectral density

Test Result

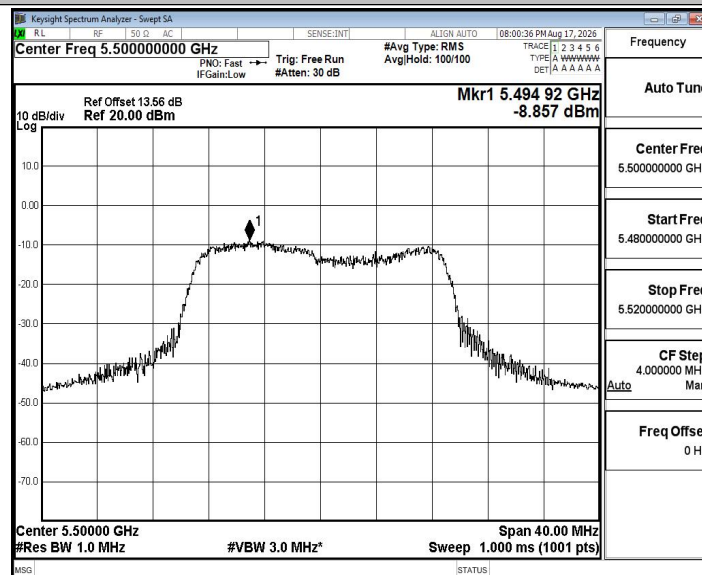
TestMode	Antenna	Freq (MHz)	Raw Data [dBm/MHz]	DC Factor	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5500	2.35	1.78	4.13	≤11.00	PASS
		5580	-0.67	1.78	1.11	≤11.00	PASS
		5700	-2.21	1.77	-0.44	≤11.00	PASS
11N20SISO	Ant1	5500	-8.86	7.54	-1.32	≤11.00	PASS
		5580	-10.26	7.35	-2.91	≤11.00	PASS
		5700	-11.31	7.35	-3.96	≤11.00	PASS
11N40SISO	Ant1	5510	-14.85	9.47	-5.38	≤11.00	PASS
		5550	-14.08	9.47	-4.61	≤11.00	PASS
		5670	-15.55	9.47	-6.08	≤11.00	PASS
11AC20SISO	Ant1	5500	1.21	1.87	3.08	≤11.00	PASS
		5580	-1.05	1.88	0.83	≤11.00	PASS
		5700	-3.58	1.88	-1.70	≤11.00	PASS
11AC40SISO	Ant1	5510	-3.03	3.19	0.16	≤11.00	PASS
		5550	-3.77	3.21	-0.56	≤11.00	PASS
		5670	-7	3.24	-3.76	≤11.00	PASS
11AX20SISO	Ant1	5500	-12.57	9.18	-3.39	≤11.00	PASS
		5580	-12.75	8.92	-3.83	≤11.00	PASS
		5700	-14.39	9.22	-5.17	≤11.00	PASS
11AX40SISO	Ant1	5510	-16.27	10.12	-6.15	≤11.00	PASS
		5550	-15.64	10.49	-5.15	≤11.00	PASS
		5670	-17.28	10.53	-6.75	≤11.00	PASS

Test Graphs

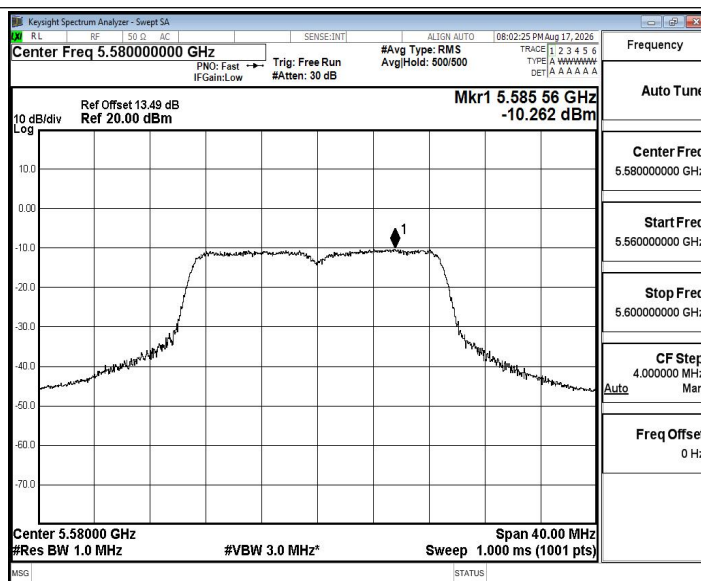




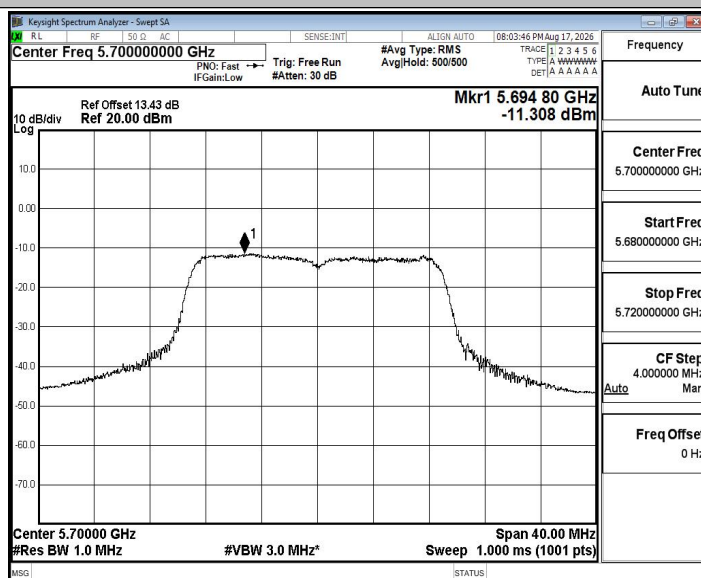
11N20SISO_Ant1_5500



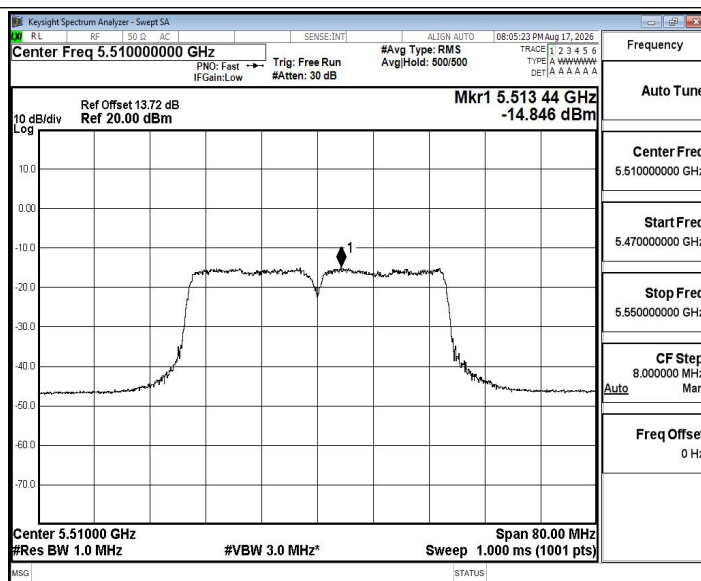
11N20SISO_Ant1_5580



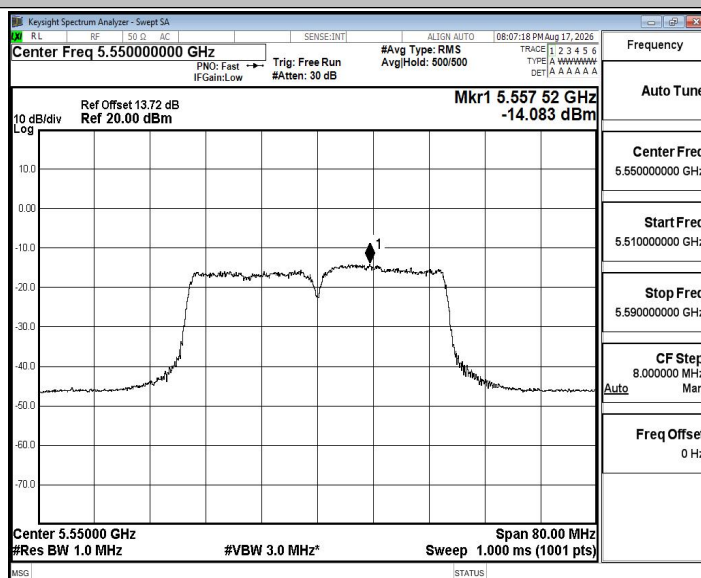
11N20SISO_Ant1_5700



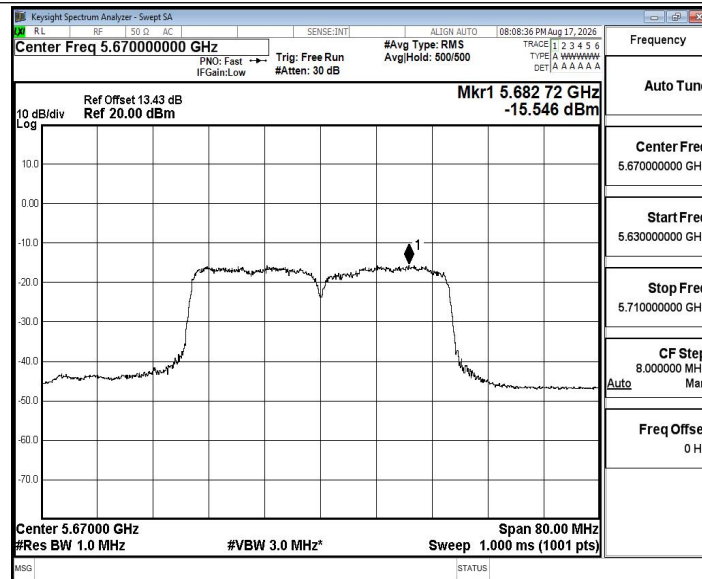
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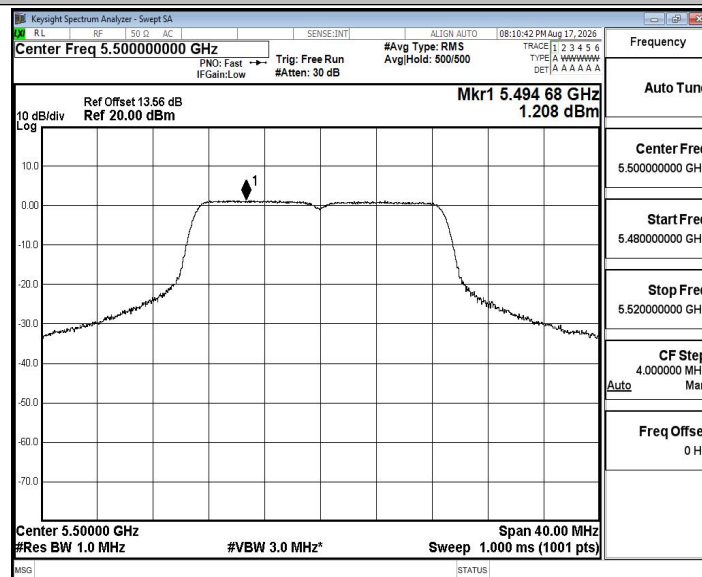
11N40SISO_Ant1_5550



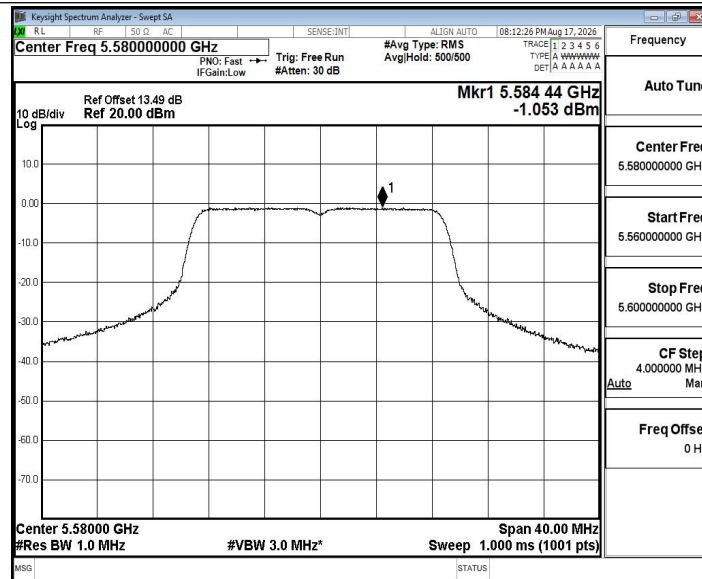
11N40SISO_Ant1_5670



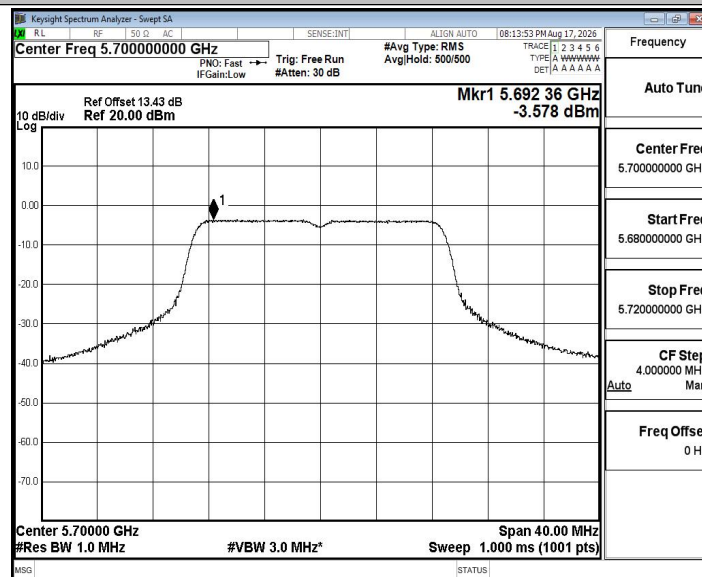
11AC20SISO_Ant1_5500



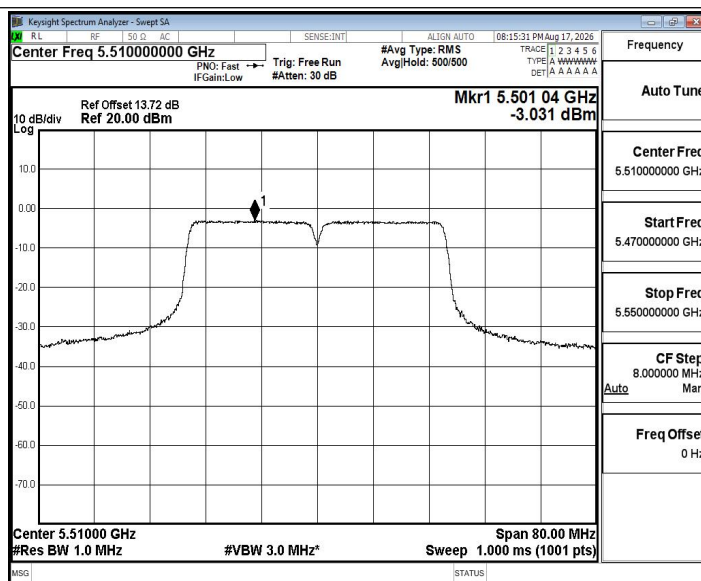
11AC20SISO_Ant1_5580



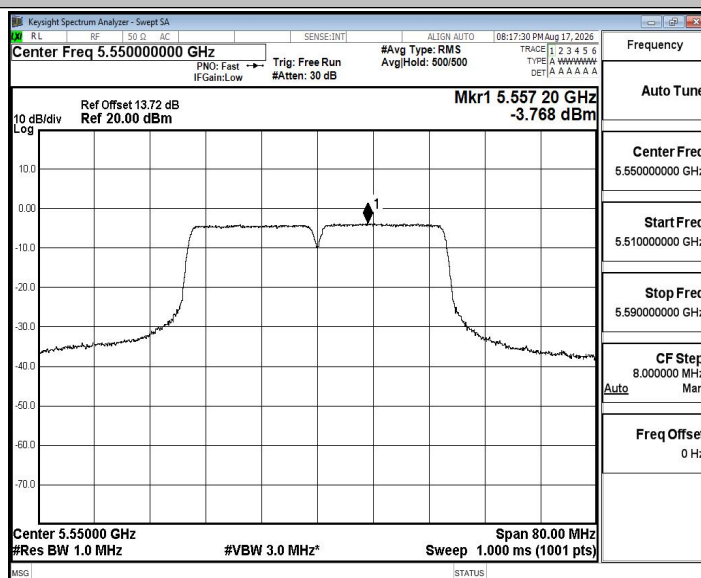
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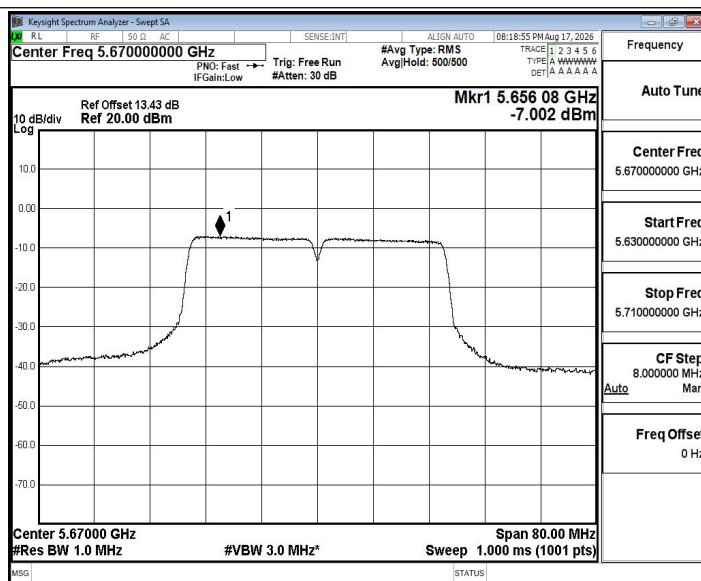
11AC40SISO_Ant1_5510



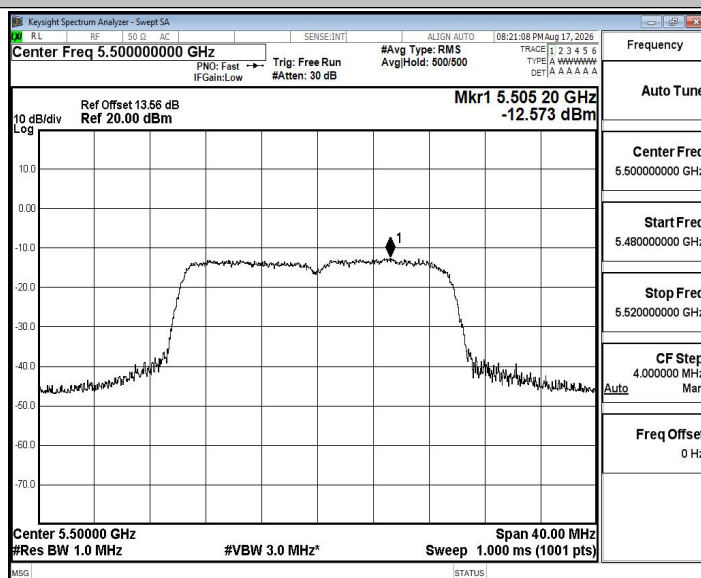
11AC40SISO_Ant1_5550



11AC40SISO_Ant1_5670



11AX20SISO_Ant1_5500



11AX20SISO_Ant1_5580