

Case No. : <u>GTS20250116009-1-04</u>	
Ambient Condition: <u>22</u> °C, <u>52</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.2.15</u>	Test Engineer: <u>Evan ouyang</u>

Appendix F.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	20.080	5490.040	5510.120	---	---
		5580	21.160	5569.920	5591.080	---	---
		5700	20.040	5689.920	5709.960	---	---
11N20SISO	Ant1	5500	24.440	5486.960	5511.400	---	---
		5580	26.840	5566.840	5593.680	---	---
		5700	23.640	5689.440	5713.080	---	---
11N40SISO	Ant1	5510	40.800	5489.760	5530.560	---	---
		5590	40.480	5569.840	5610.320	---	---
		5670	40.720	5649.600	5690.320	---	---
11AC20SISO	Ant1	5500	20.280	5489.840	5510.120	---	---
		5580	20.880	5569.360	5590.240	---	---
		5700	21.400	5689.800	5711.200	---	---
11AC40SISO	Ant1	5510	40.480	5489.920	5530.400	---	---
		5590	41.200	5569.360	5610.560	---	---
		5670	40.960	5649.520	5690.480	---	---
11AC80SISO	Ant1	5530	80.640	5489.840	5570.480	---	---
		5610	97.280	5558.480	5655.760	---	---

Test Graphs

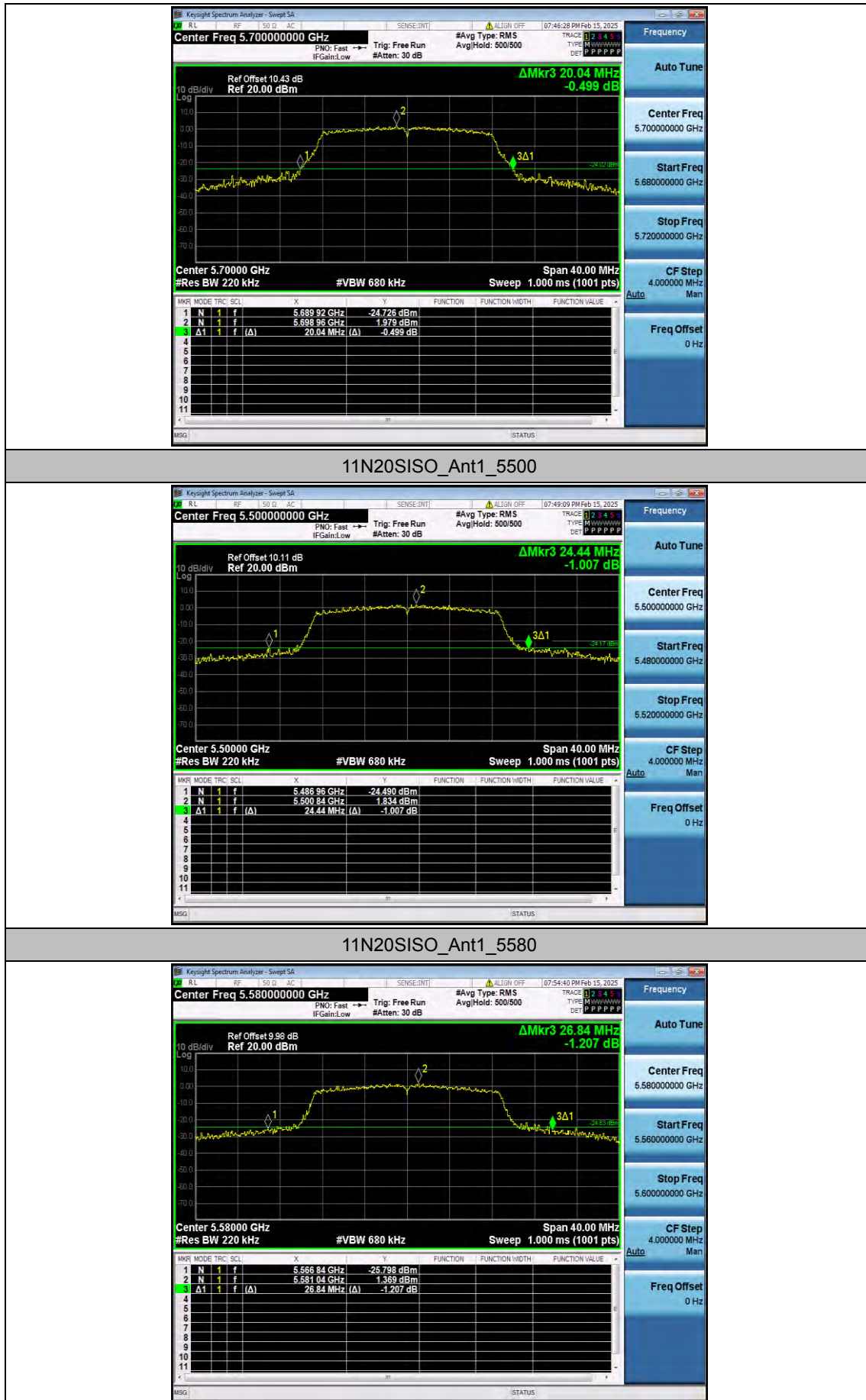
11A_Ant1_5500



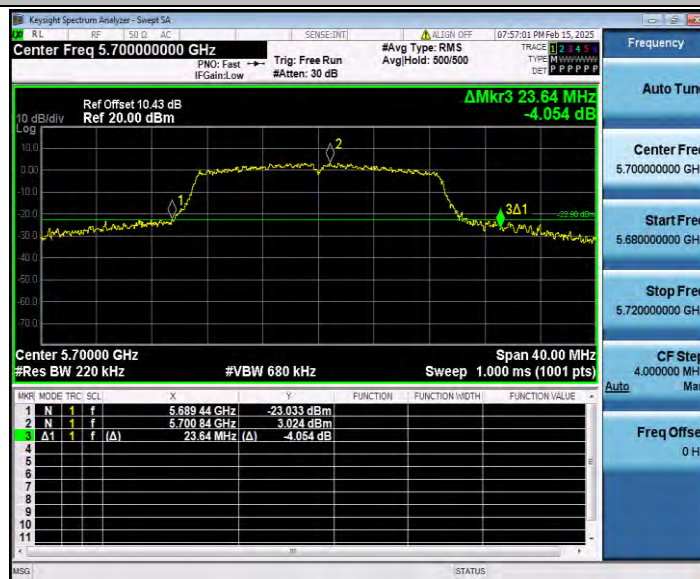
11A_Ant1_5580



11A_Ant1_5700



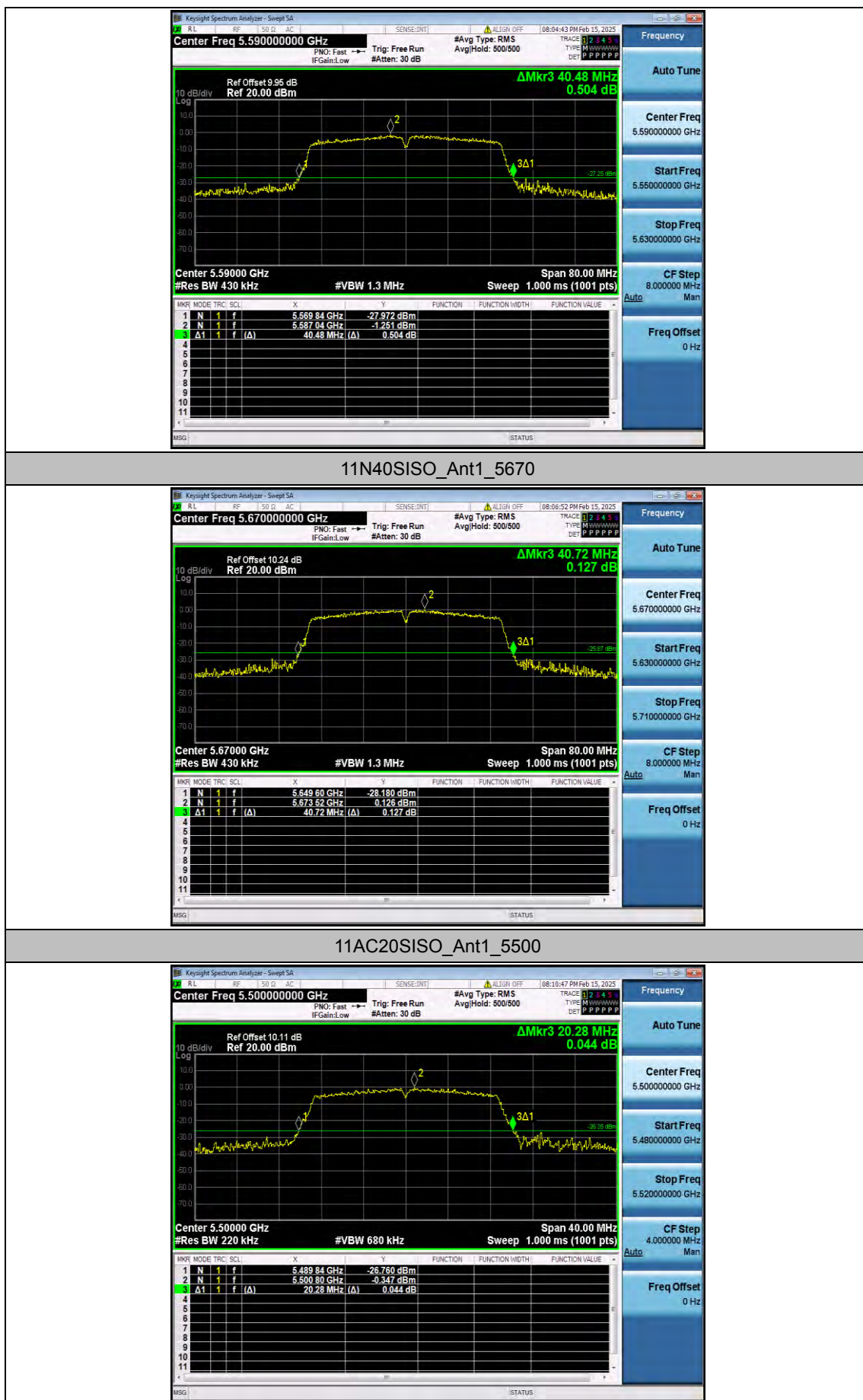
11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



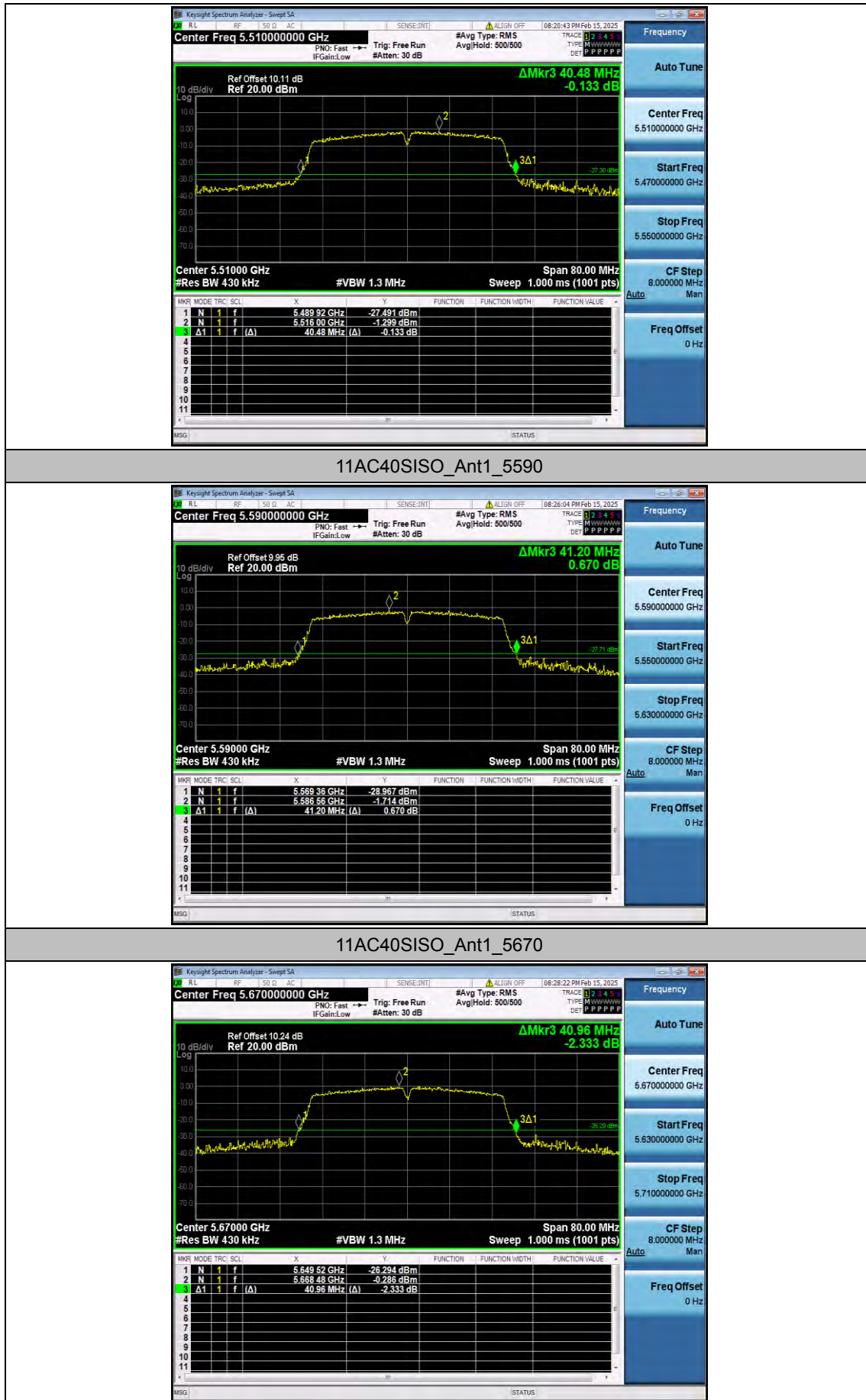
11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610

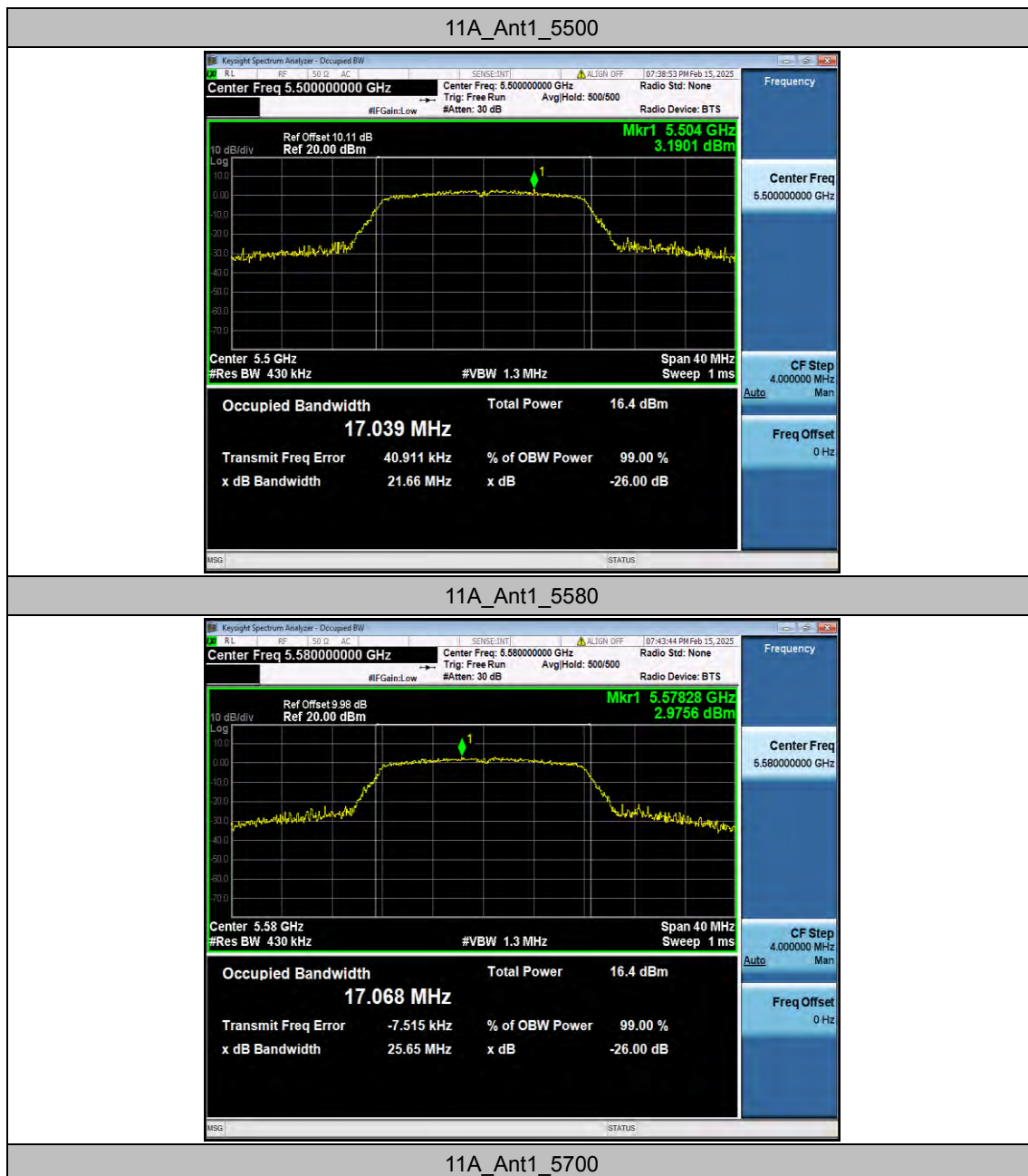


Appendix F.2: Occupied channel bandwidth

Test Result

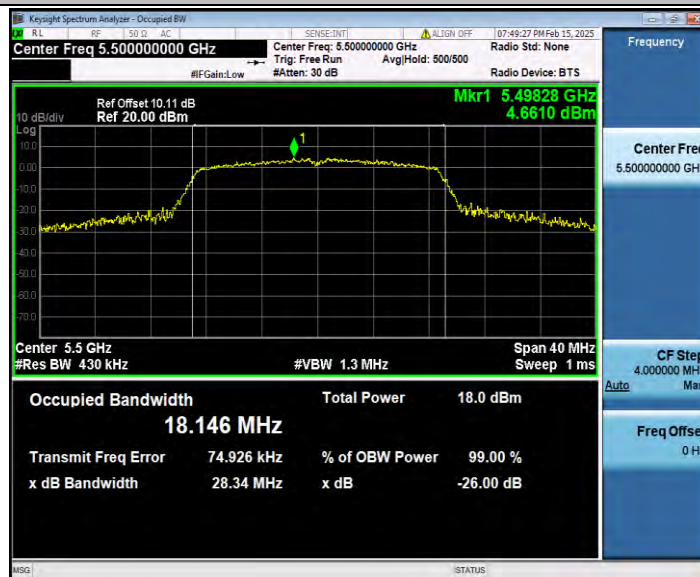
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	17.039	5491.5214	5508.5604	---	---
		5580	17.068	5571.4585	5588.5265	---	---
		5700	17.022	5691.4534	5708.4754	---	---
11N20SISO	Ant1	5500	18.146	5491.0019	5509.1479	---	---
		5580	18.193	5570.8818	5589.0748	---	---
		5700	18.063	5690.9258	5708.9888	---	---
11N40SISO	Ant1	5510	36.299	5491.9846	5528.2836	---	---
		5590	36.409	5571.7770	5608.1860	---	---
		5670	36.328	5651.8663	5688.1943	---	---
11AC20SISO	Ant1	5500	17.906	5491.0829	5508.9889	---	---
		5580	18.029	5570.9609	5588.9899	---	---
		5700	17.876	5691.0266	5708.9026	---	---
11AC40SISO	Ant1	5510	36.375	5491.8945	5528.2695	---	---
		5590	36.521	5571.7385	5608.2595	---	---
		5670	36.347	5651.8410	5688.1880	---	---
11AC80SISO	Ant1	5530	75.041	5492.6442	5567.6852	---	---
		5610	75.487	5572.3473	5647.8343	---	---

Test Graphs





11N20SISO_Ant1_5500



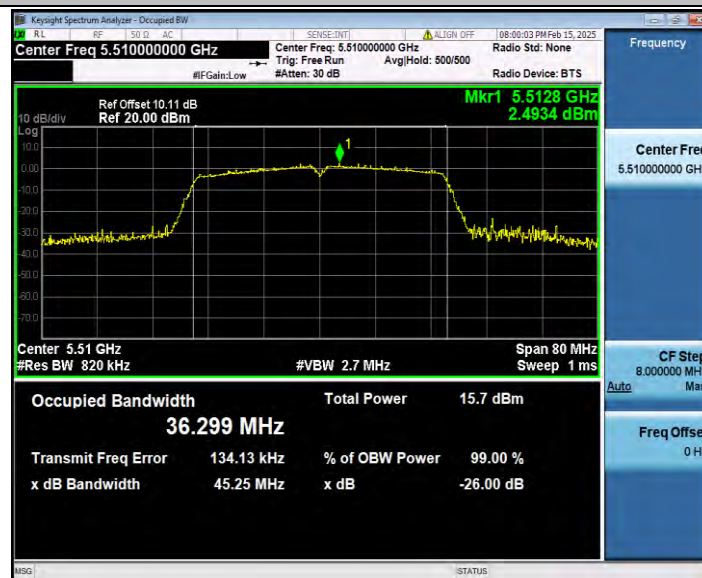
11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



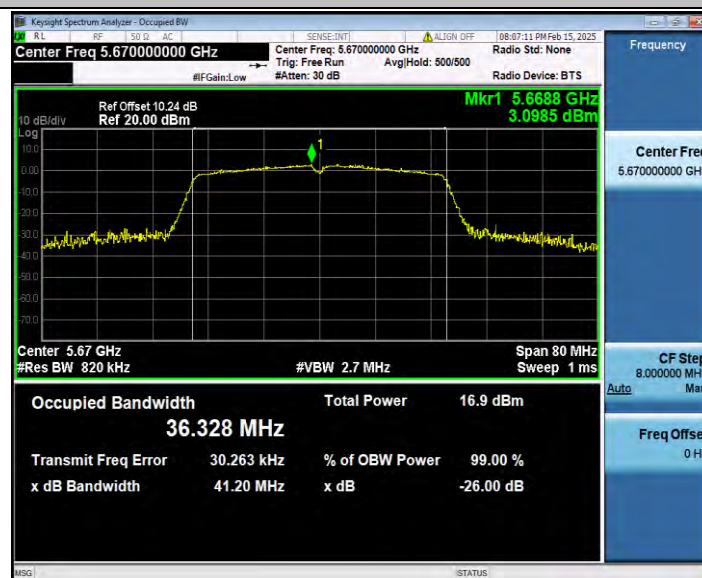
11N40SISO_Ant1_5510



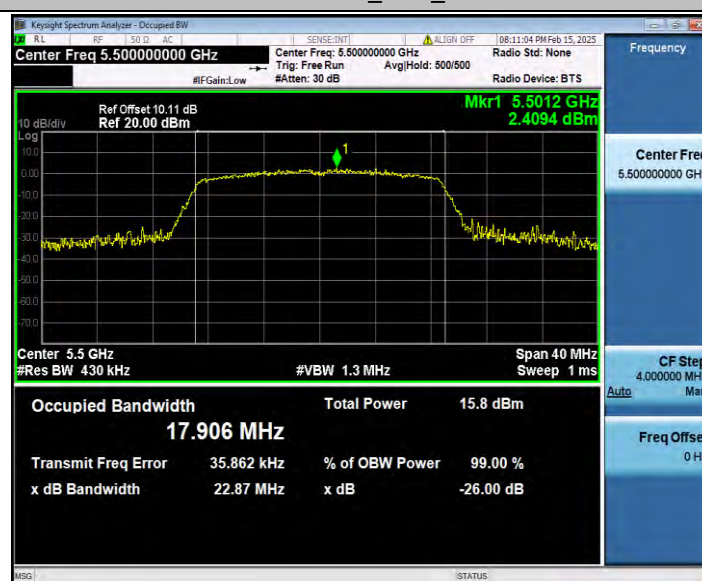
11N40SISO_Ant1_5590



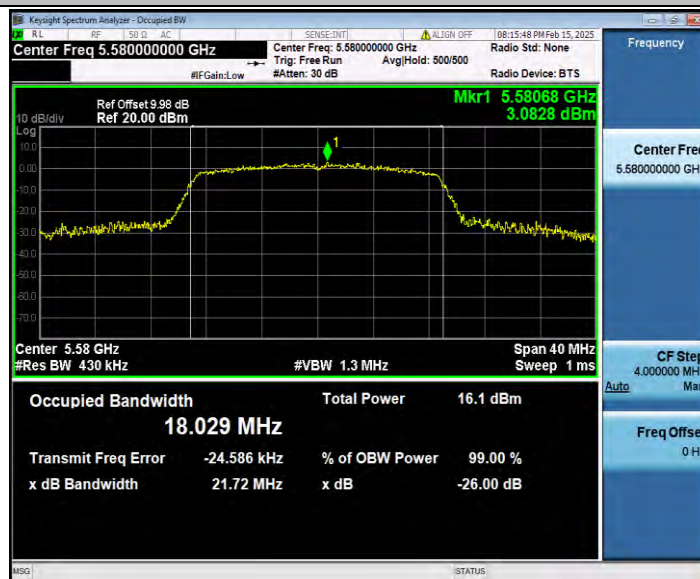
11N40SISO_Ant1_5670



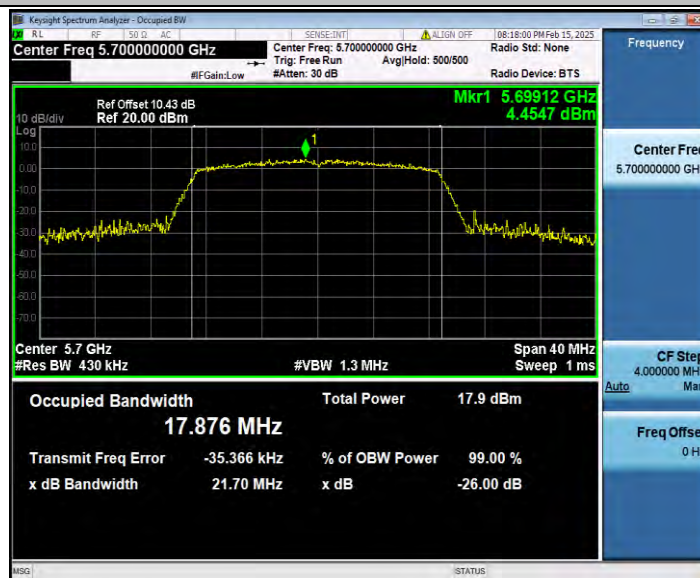
11AC20SISO_Ant1_5500



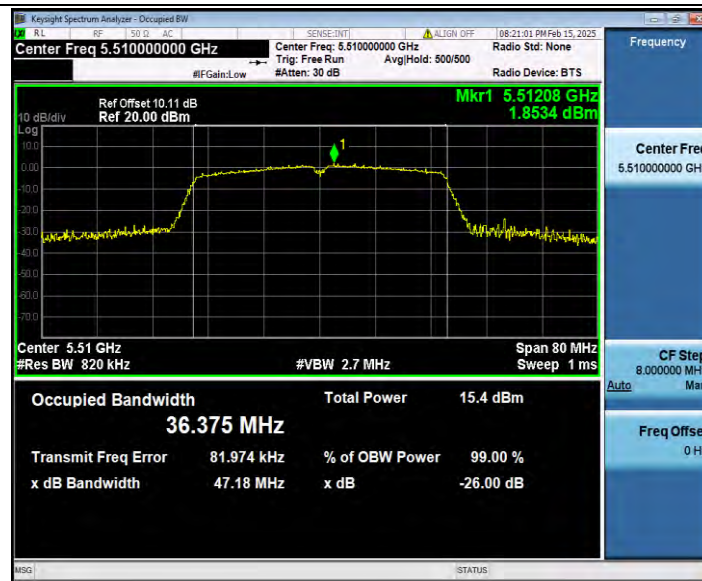
11AC20SISO_Ant1_5580



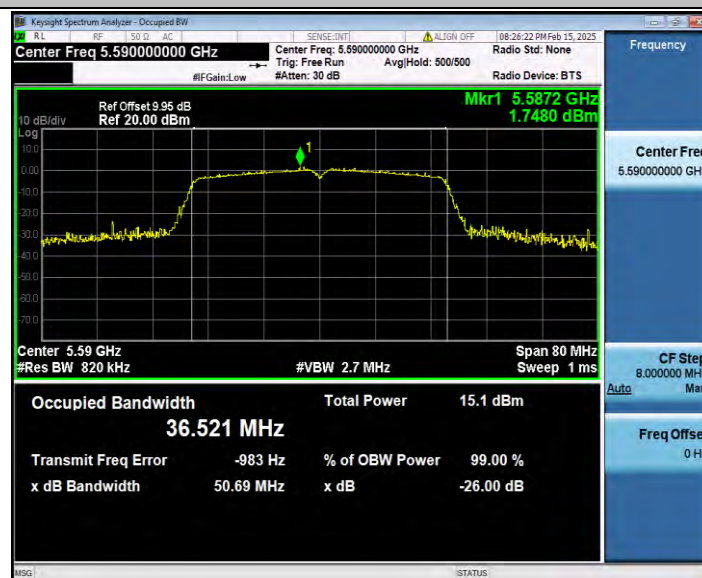
11AC20SISO_Ant1_5700



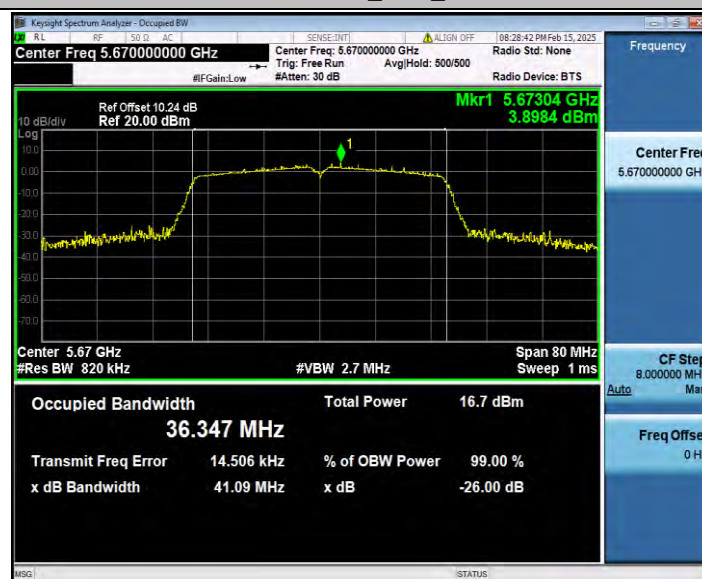
11AC40SISO_Ant1_5510



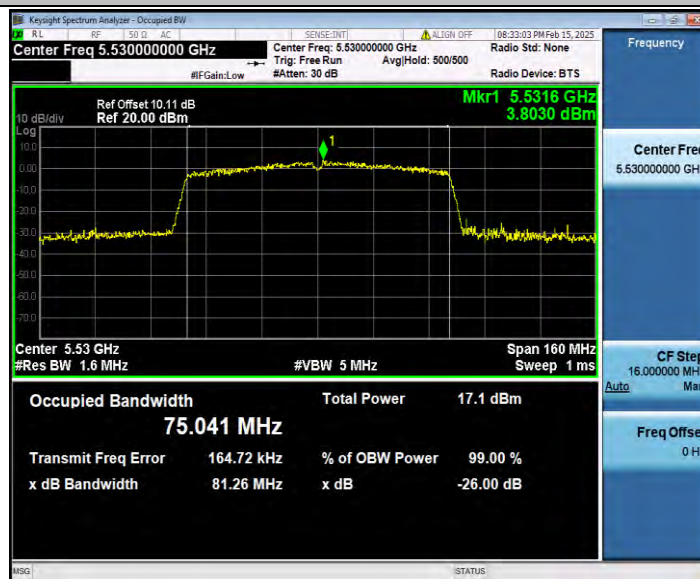
11AC40SISO_Ant1_5590



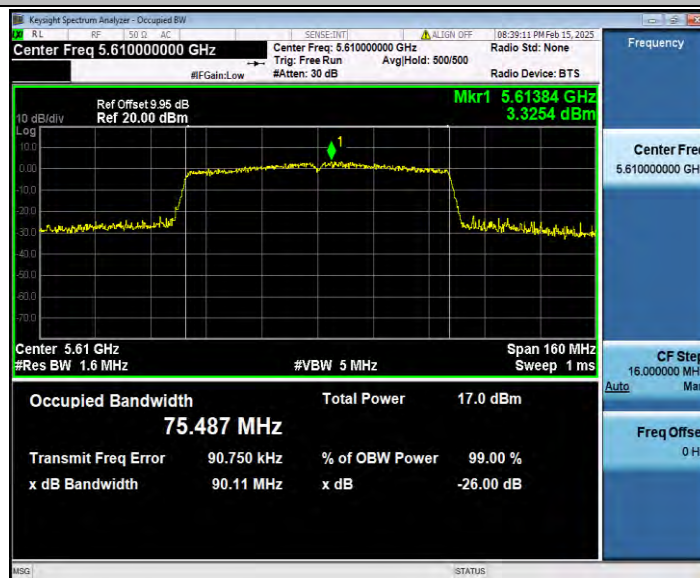
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



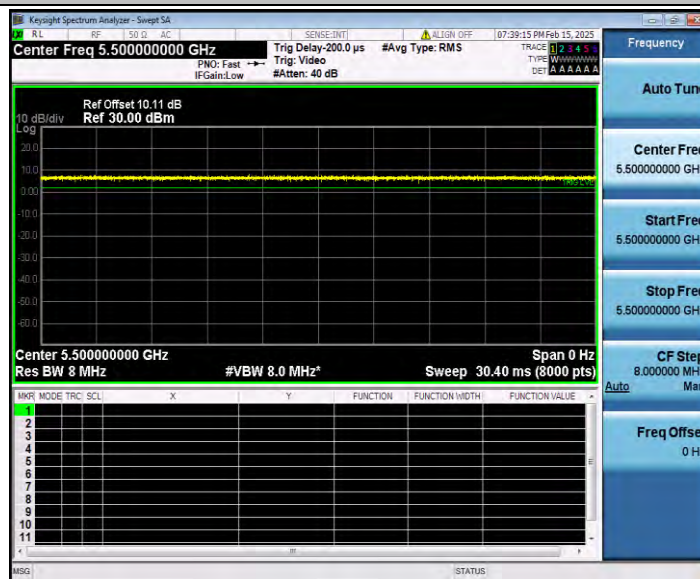
Appendix F.3: Duty Cycle

Test Result

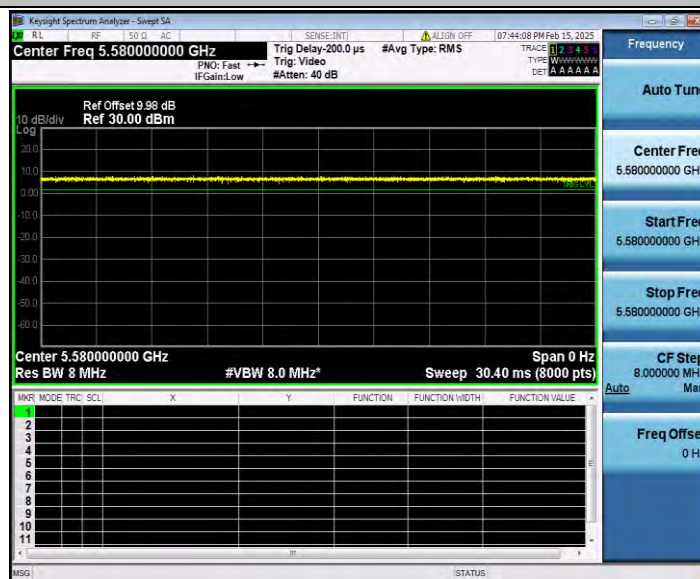
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5500	30.00	30.00	100.00	0.00	0.03
		5580	30.00	30.00	100.00	0.00	0.03
		5700	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant1	5500	30.00	30.00	100.00	0.00	0.03
		5580	30.00	30.00	100.00	0.00	0.03
		5700	30.00	30.00	100.00	0.00	0.03
11N40SISO	Ant1	5510	30.00	30.00	100.00	0.00	0.03
		5590	30.00	30.00	100.00	0.00	0.03
		5670	30.00	30.00	100.00	0.00	0.03
11AC20SISO	Ant1	5500	30.00	30.00	100.00	0.00	0.03
		5580	30.00	30.00	100.00	0.00	0.03
		5700	30.00	30.00	100.00	0.00	0.03
11AC40SISO	Ant1	5510	30.00	30.00	100.00	0.00	0.03
		5590	30.00	30.00	100.00	0.00	0.03
		5670	30.00	30.00	100.00	0.00	0.03
11AC80SISO	Ant1	5530	30.00	30.00	100.00	0.00	0.03
		5610	30.00	30.00	100.00	0.00	0.03

Test Graphs

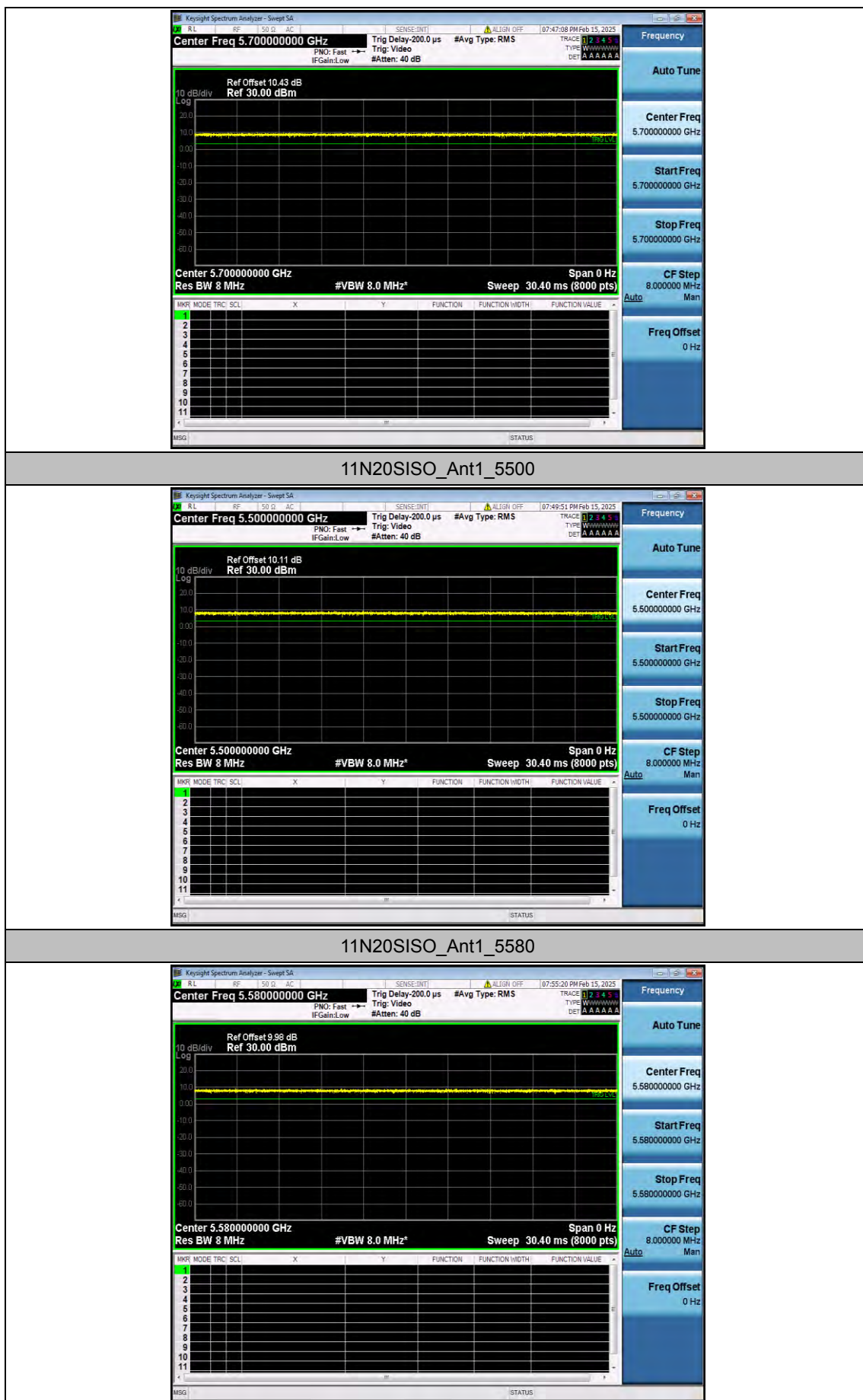
11A_Ant1_5500

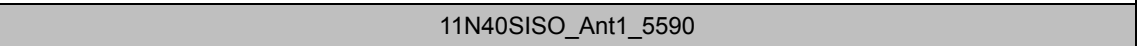
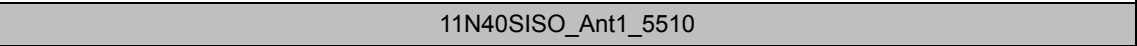


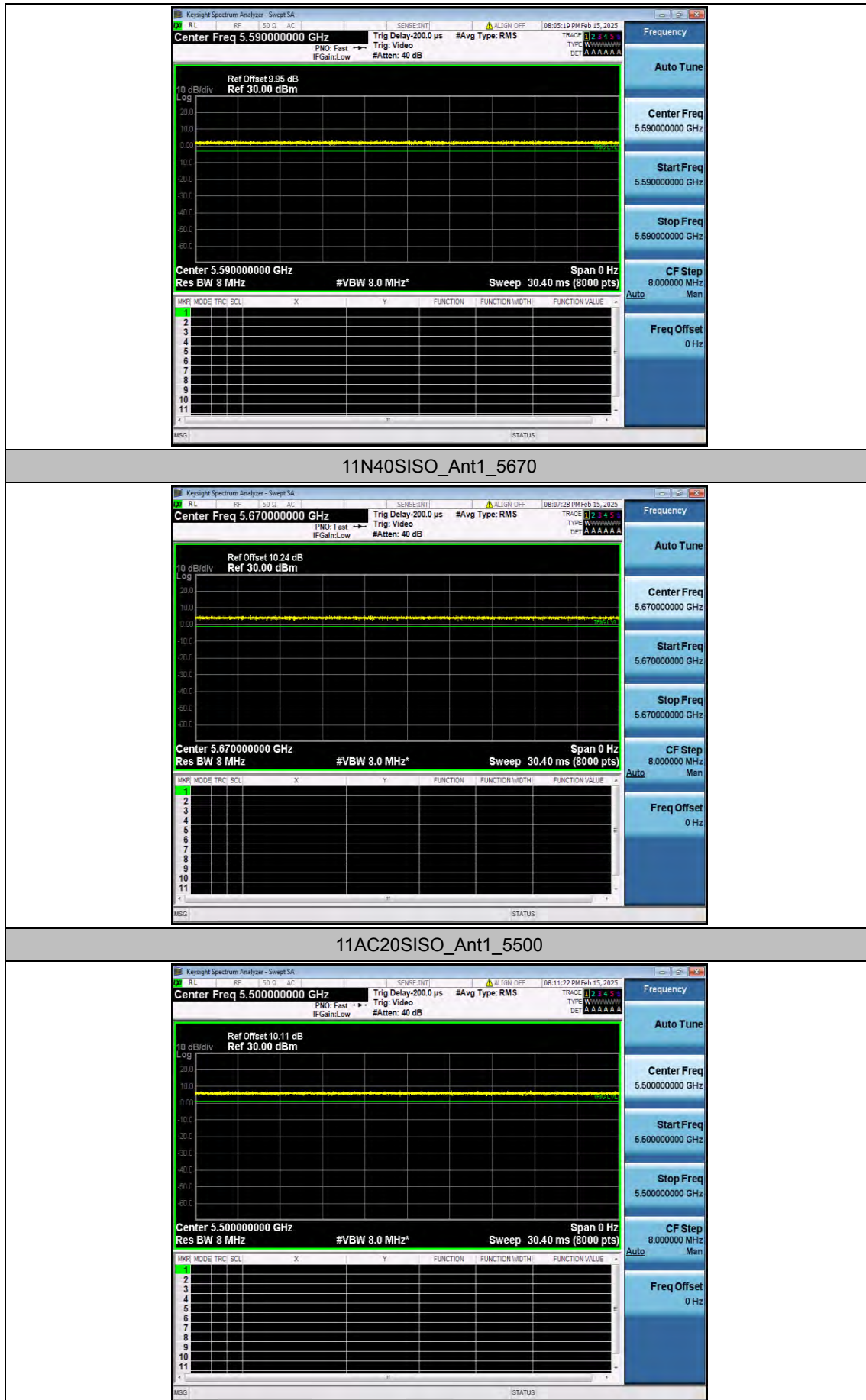
11A_Ant1_5580



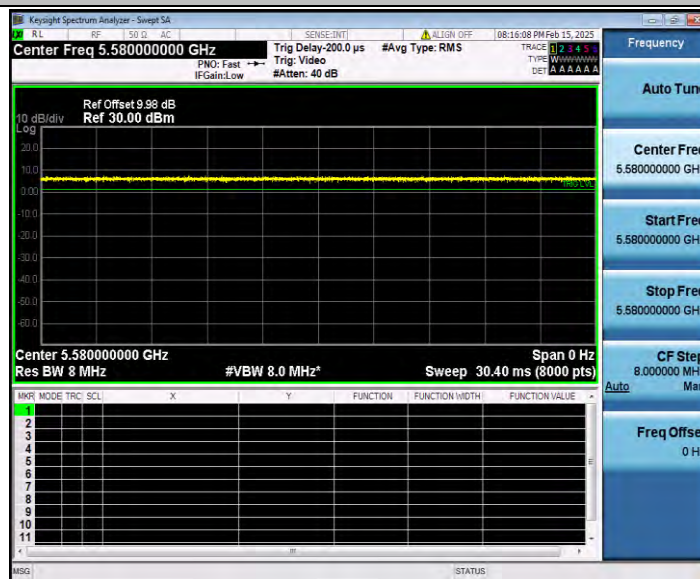
11A_Ant1_5700



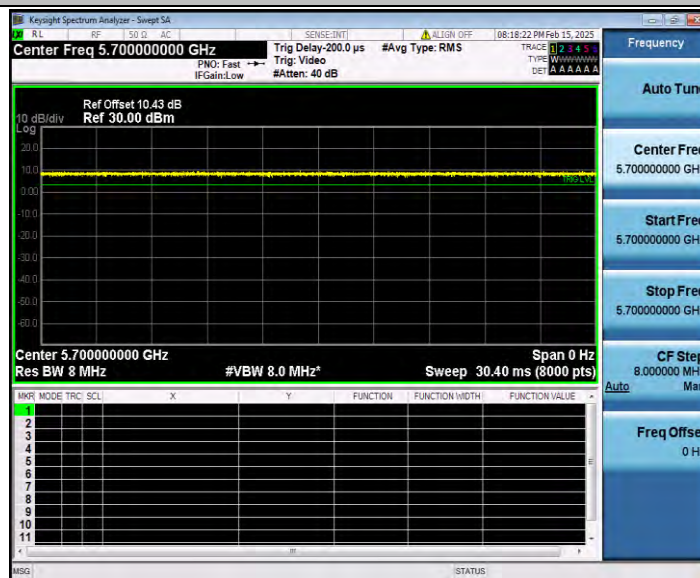




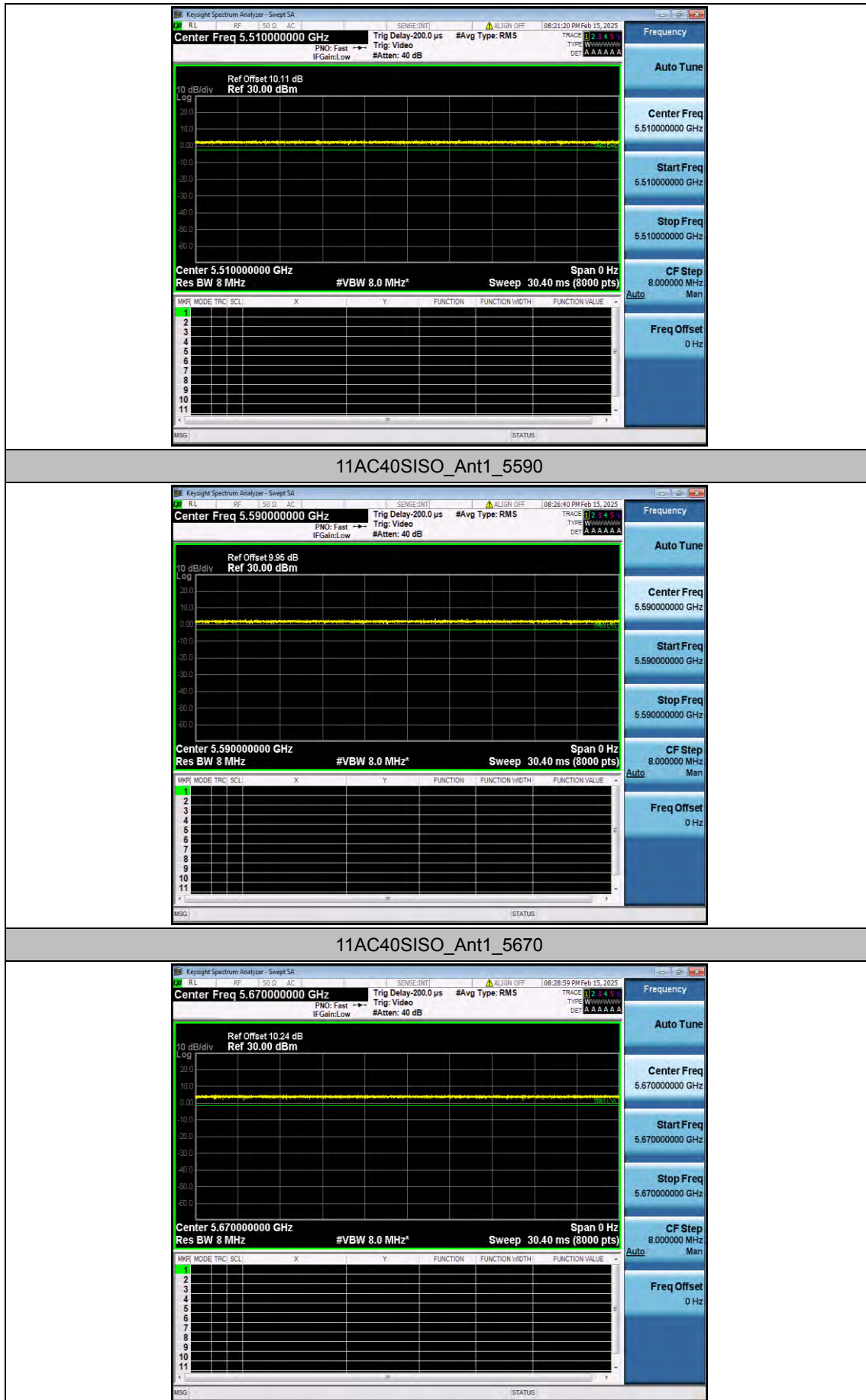
11AC20SISO_Ant1_5580



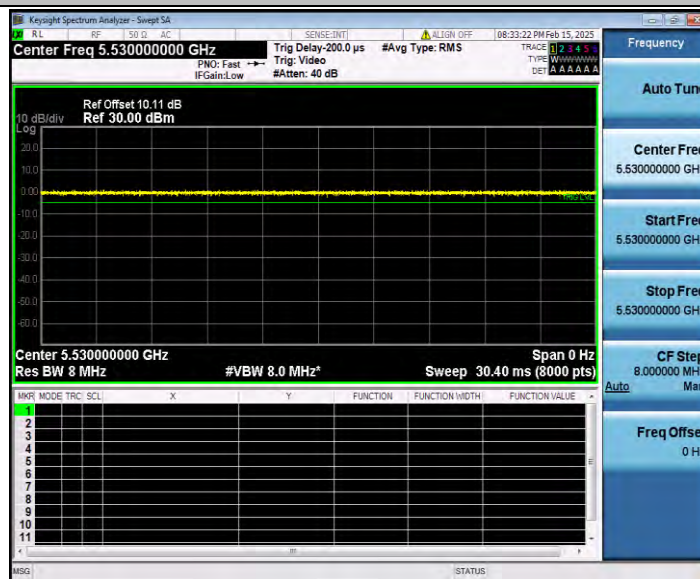
11AC20SISO_Ant1_5700



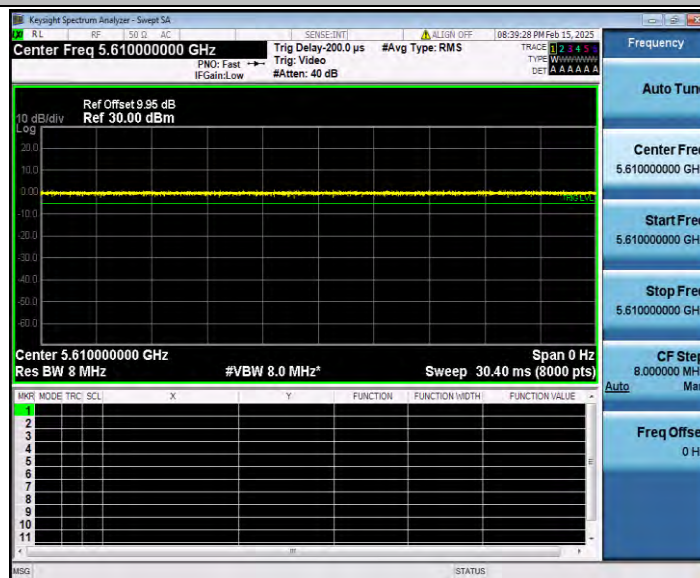
11AC40SISO_Ant1_5510



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



Appendix F.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	9.50	100.00	0.00	9.50	≤23.98	PASS
		5580	9.51	100.00	0.00	9.51	≤23.98	PASS
		5700	11.26	100.00	0.00	11.26	≤23.98	PASS
11N20SISO	Ant1	5500	11.18	100.00	0.00	11.18	≤23.98	PASS
		5580	11.02	100.00	0.00	11.02	≤23.98	PASS
		5700	12.75	100.00	0.00	12.75	≤23.98	PASS
11N40SISO	Ant1	5510	8.16	100.00	0.00	8.16	≤23.98	PASS
		5590	7.81	100.00	0.00	7.81	≤23.98	PASS
		5670	9.59	100.00	0.00	9.59	≤23.98	PASS
11AC20SISO	Ant1	5500	8.96	100.00	0.00	8.96	≤23.98	PASS
		5580	9.23	100.00	0.00	9.23	≤23.98	PASS
		5700	11.10	100.00	0.00	11.10	≤23.98	PASS
11AC40SISO	Ant1	5510	7.97	100.00	0.00	7.97	≤23.98	PASS
		5590	7.74	100.00	0.00	7.74	≤23.98	PASS
		5670	9.40	100.00	0.00	9.40	≤23.98	PASS
11AC80SISO	Ant1	5530	8.01	100.00	0.00	8.01	≤23.98	PASS
		5610	7.96	100.00	0.00	7.96	≤23.98	PASS

Appendix F.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5500	-1.45	≤11.00	PASS
		5580	-1.37	≤11.00	PASS
		5700	0.60	≤11.00	PASS
11N20SISO	Ant1	5500	0.06	≤11.00	PASS
		5580	-0.09	≤11.00	PASS
		5700	1.88	≤11.00	PASS
11N40SISO	Ant1	5510	-5.38	≤11.00	PASS
		5590	-5.86	≤11.00	PASS
		5670	-4.03	≤11.00	PASS
11AC20SISO	Ant1	5500	-2.09	≤11.00	PASS
		5580	-1.90	≤11.00	PASS
		5700	0.21	≤11.00	PASS
11AC40SISO	Ant1	5510	-5.60	≤11.00	PASS
		5590	-5.90	≤11.00	PASS
		5670	-4.17	≤11.00	PASS
11AC80SISO	Ant1	5530	-8.12	≤11.00	PASS
		5610	-8.29	≤11.00	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.

Test Graphs

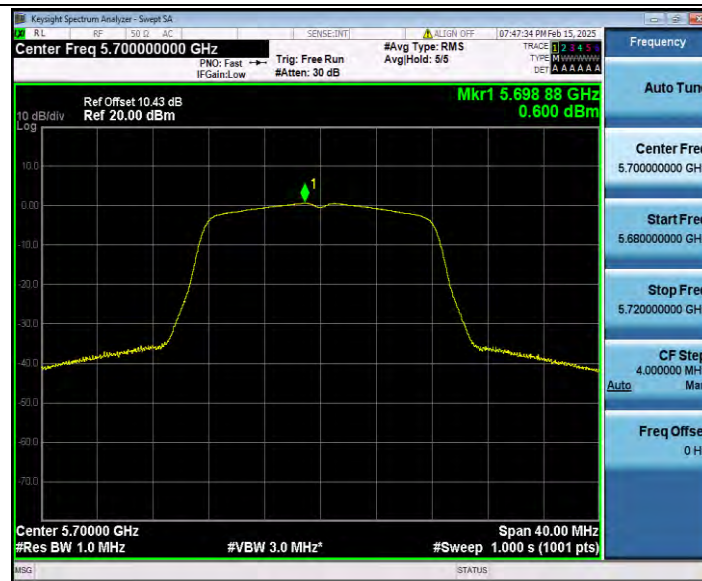
11A_Ant1_5500



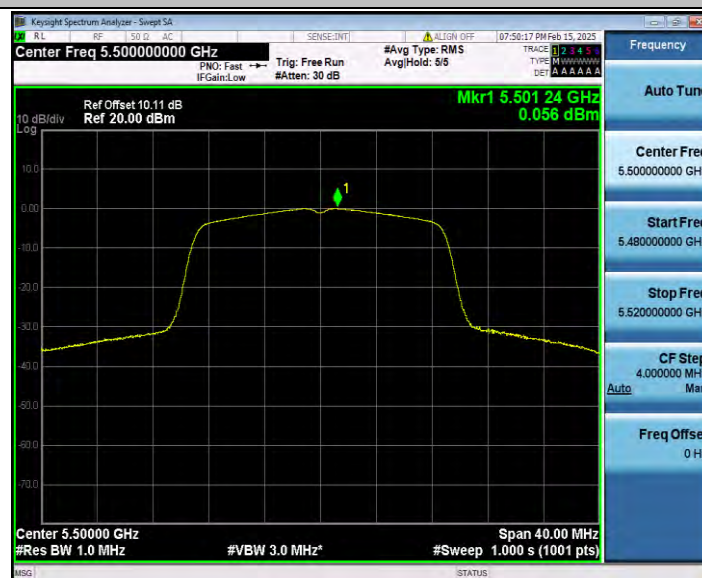
11A_Ant1_5580



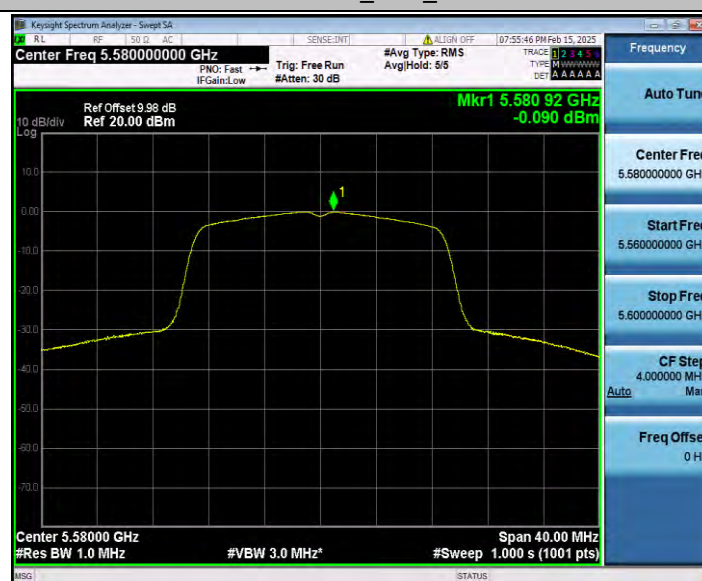
11A_Ant1_5700



11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



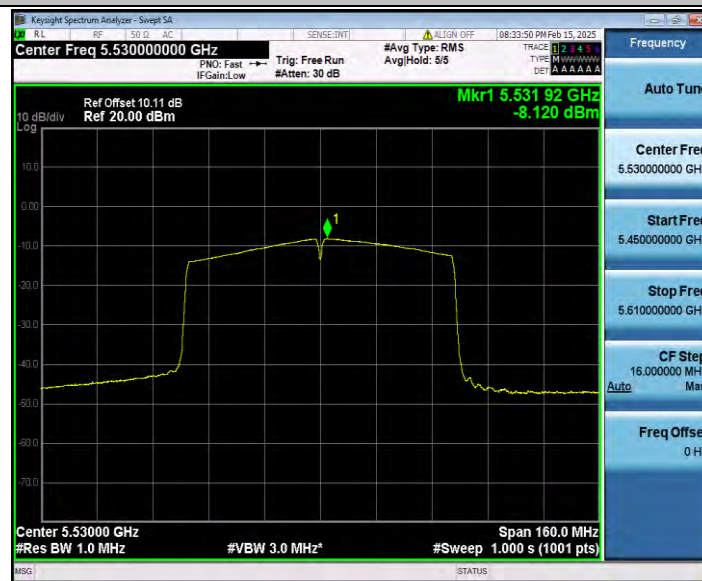
11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610

