

Case No. : <u>GTS20231208004-1-17</u>	
Ambient Condition: <u>23</u> °C, <u>47</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2024.1.6</u>	Test Engineer: <u>Evan ouyang</u>

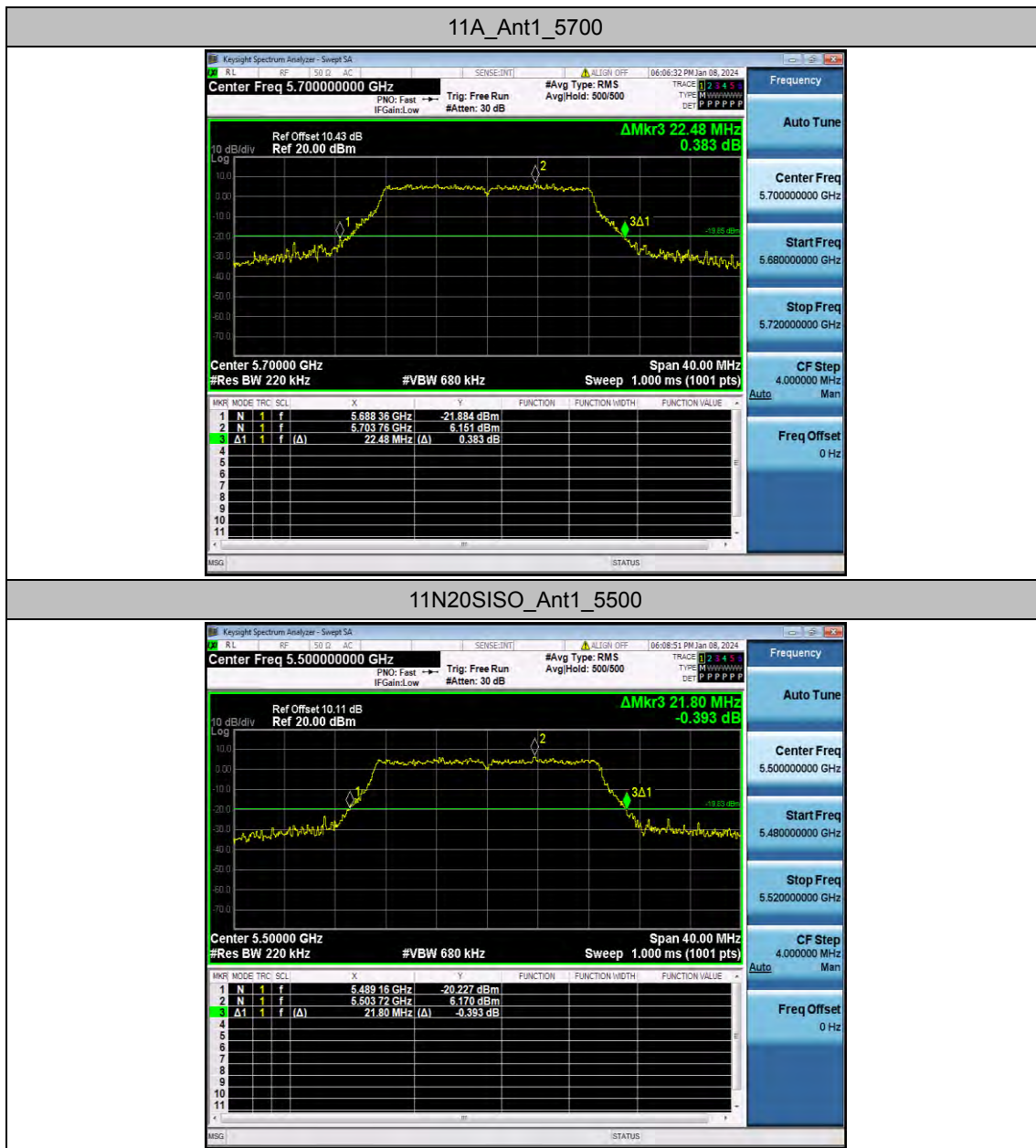
Appendix F.1: Emission Bandwidth

Test Result

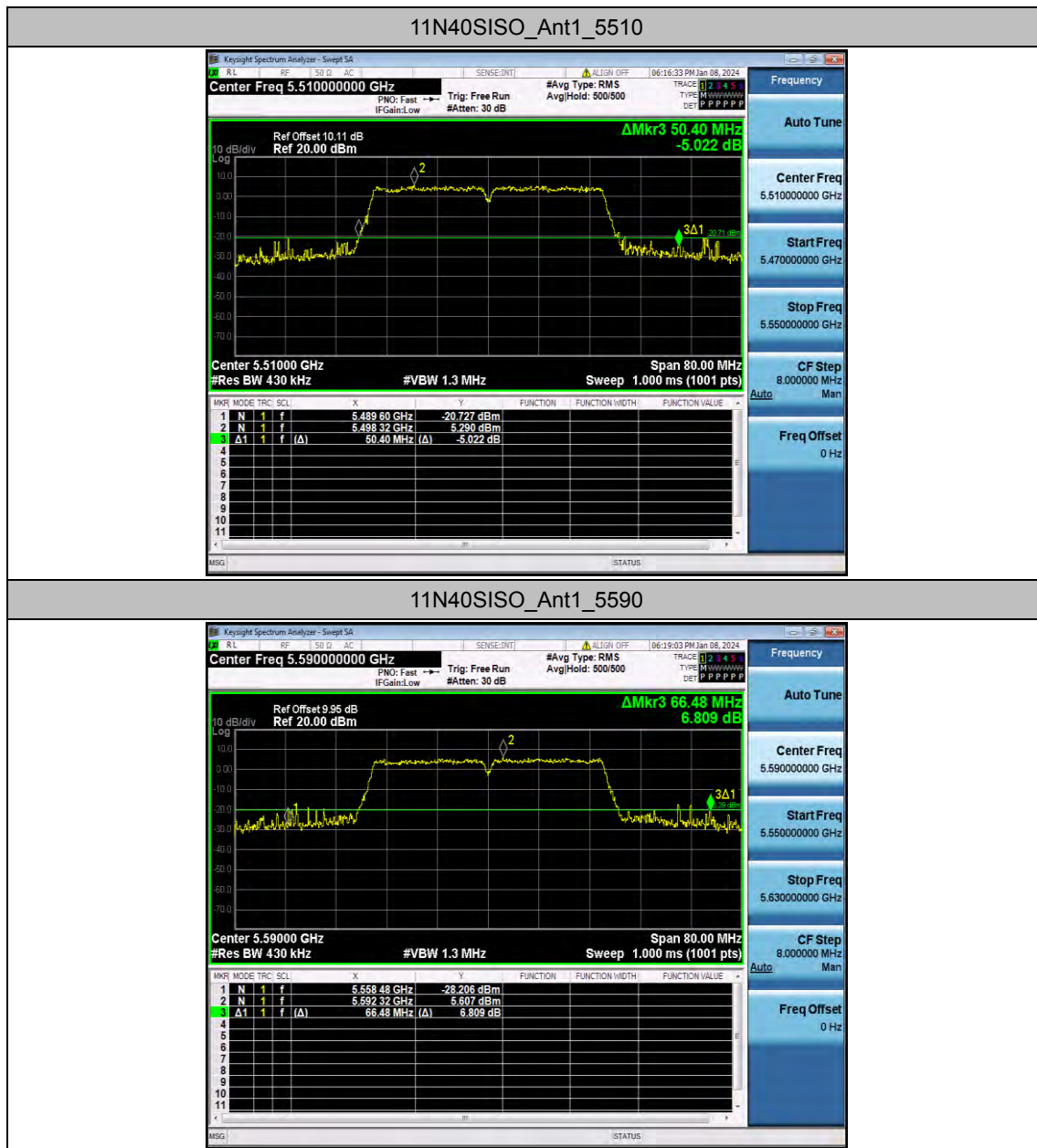
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	21.760	5489.360	5511.120	---	---
		5600	23.040	5588.760	5611.800	---	---
		5700	22.480	5688.360	5710.840	---	---
11N20SISO	Ant1	5500	21.800	5489.160	5510.960	---	---
		5600	24.840	5588.880	5613.720	---	---
		5700	22.120	5688.960	5711.080	---	---
11N40SISO	Ant1	5510	50.400	5489.600	5540.000	---	---
		5590	66.480	5558.480	5624.960	---	---
		5670	62.720	5639.280	5702.000	---	---
11AC20SISO	Ant1	5500	21.960	5489.160	5511.120	---	---
		5600	21.960	5589.040	5611.000	---	---
		5700	21.880	5688.960	5710.840	---	---
11AC40SISO	Ant1	5510	40.960	5489.600	5530.560	---	---
		5590	41.120	5569.600	5610.720	---	---
		5670	49.280	5649.600	5698.880	---	---
11AC80SISO	Ant1	5530	80.640	5489.840	5570.480	---	---
		5610	87.520	5570.000	5657.520	---	---
11AX20SISO	Ant1	5500	21.880	5488.960	5510.840	---	---
		5600	24.320	5588.200	5612.520	---	---
		5700	22.160	5688.960	5711.120	---	---
11AX40SISO	Ant1	5510	40.960	5489.680	5530.640	---	---
		5590	40.640	5569.760	5610.400	---	---
		5670	40.880	5649.520	5690.400	---	---
11AX80SISO	Ant1	5530	82.560	5488.880	5571.440	---	---
		5610	82.240	5568.880	5651.120	---	---

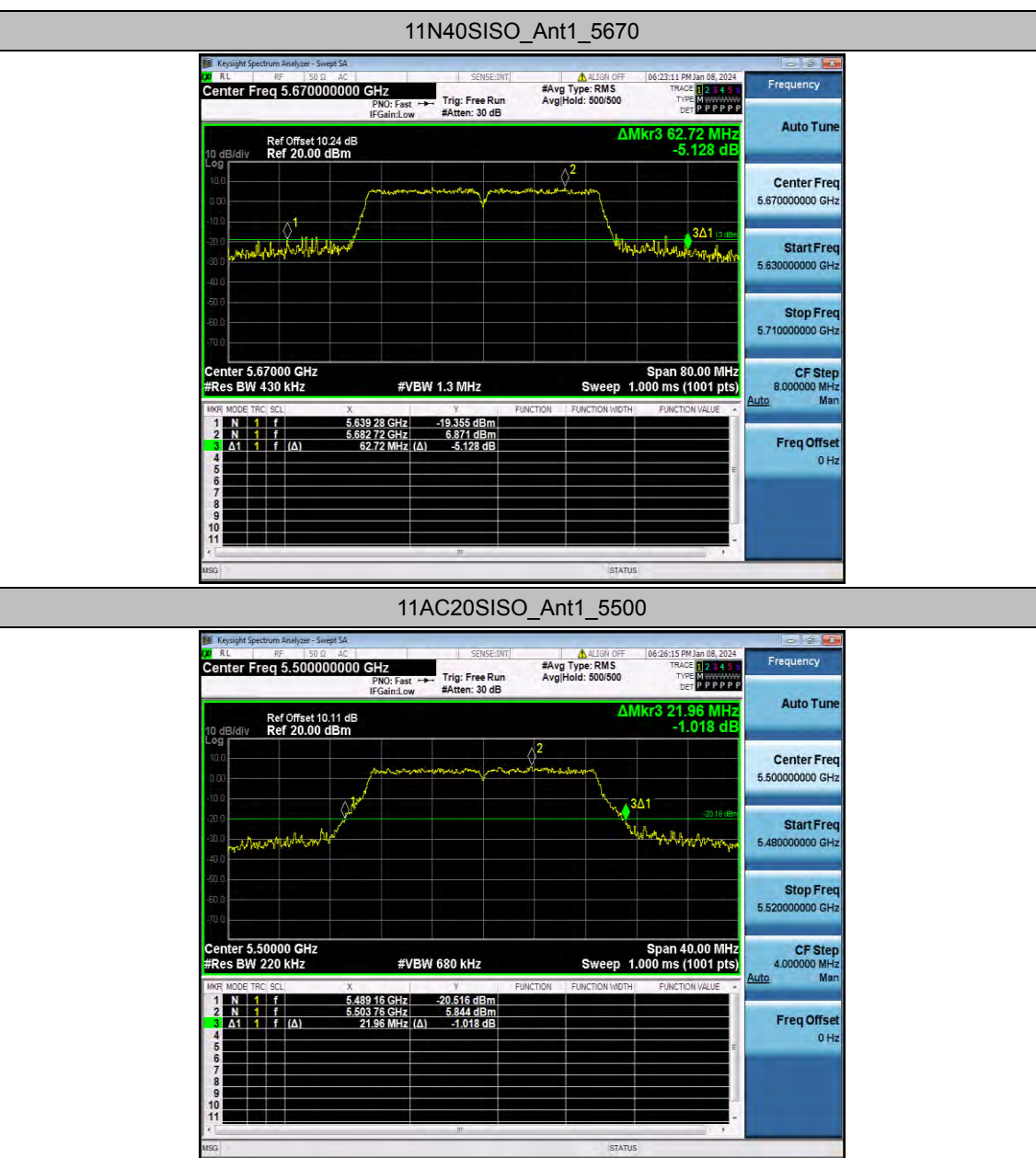
Test Graphs



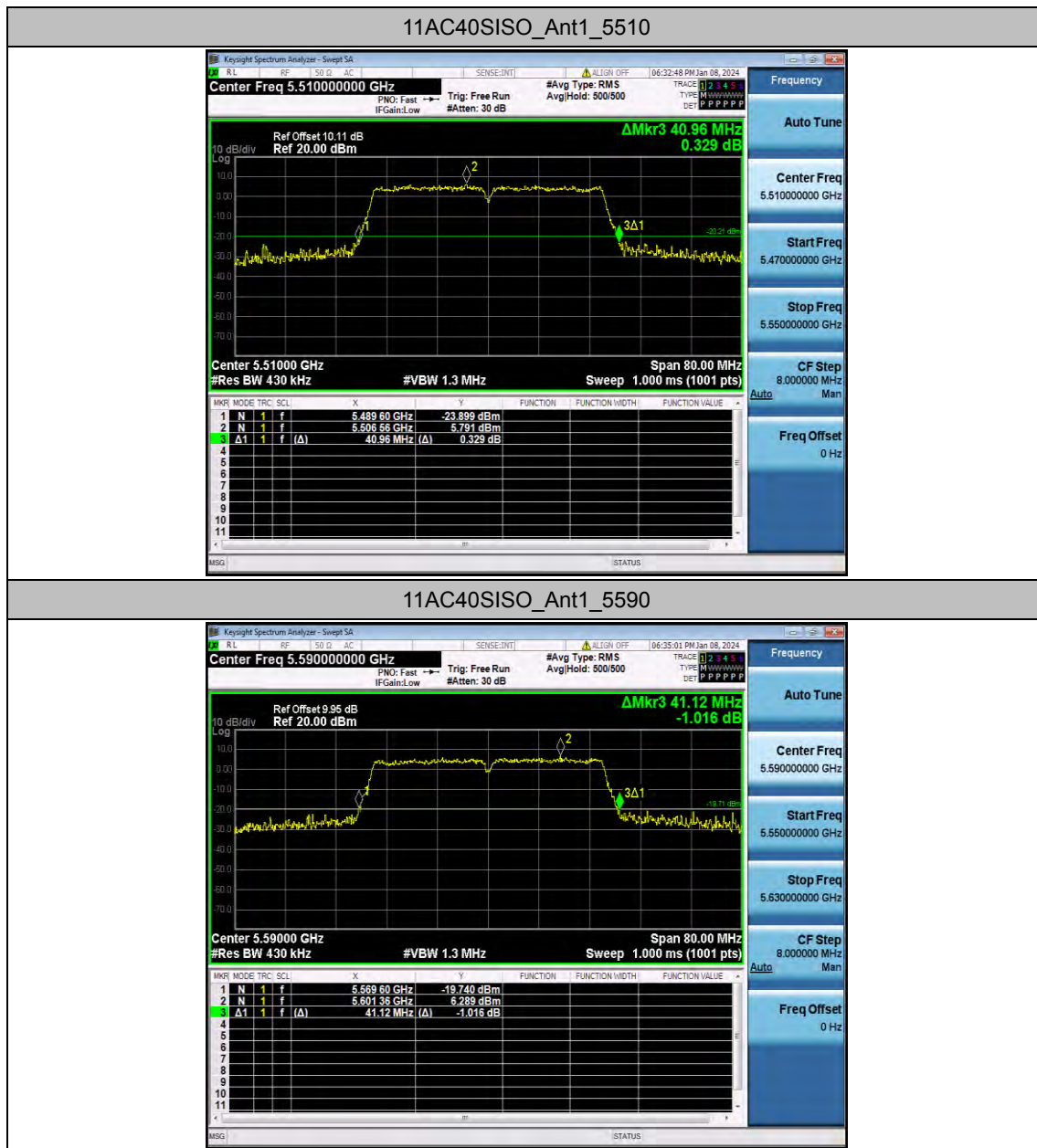


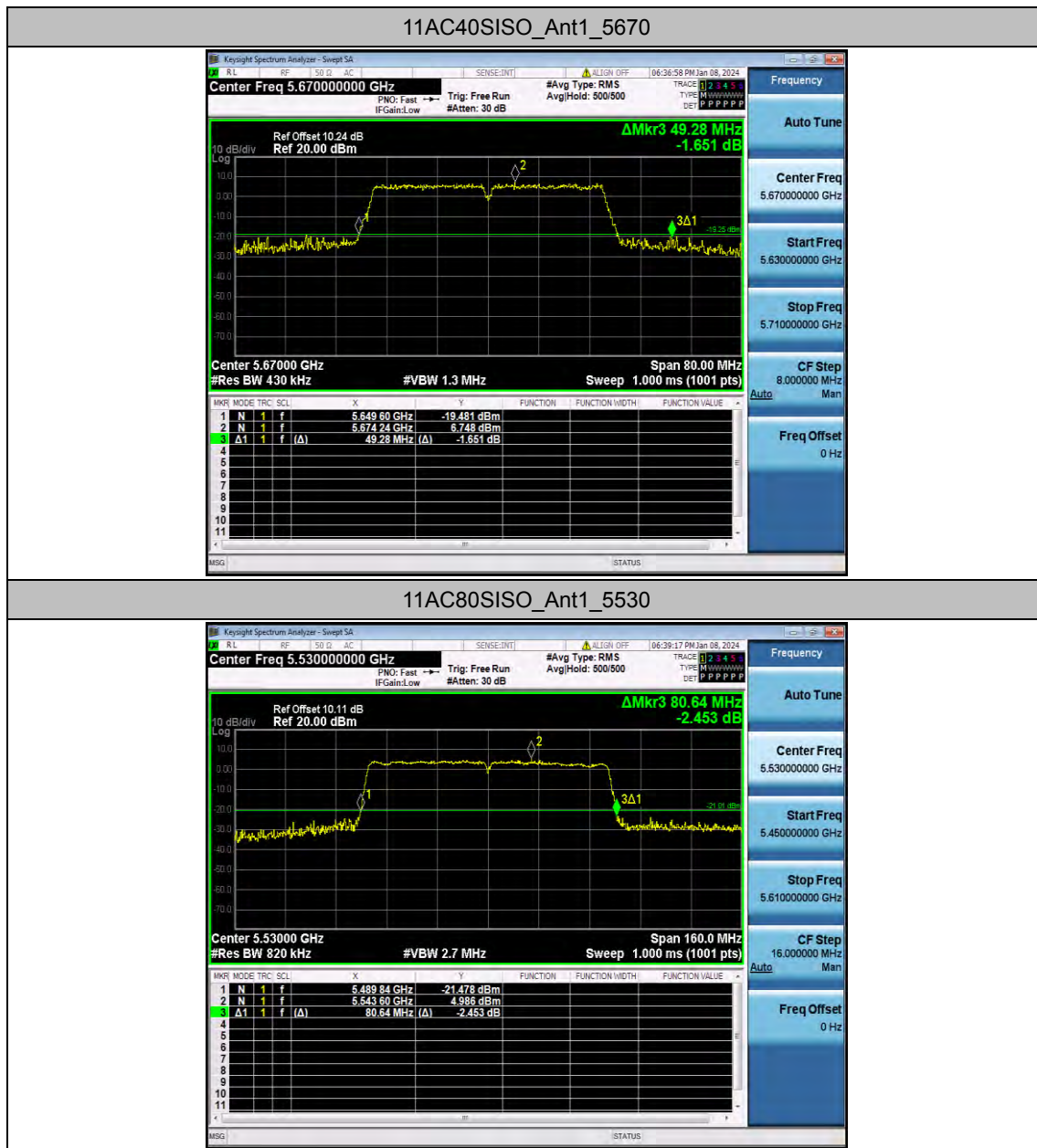


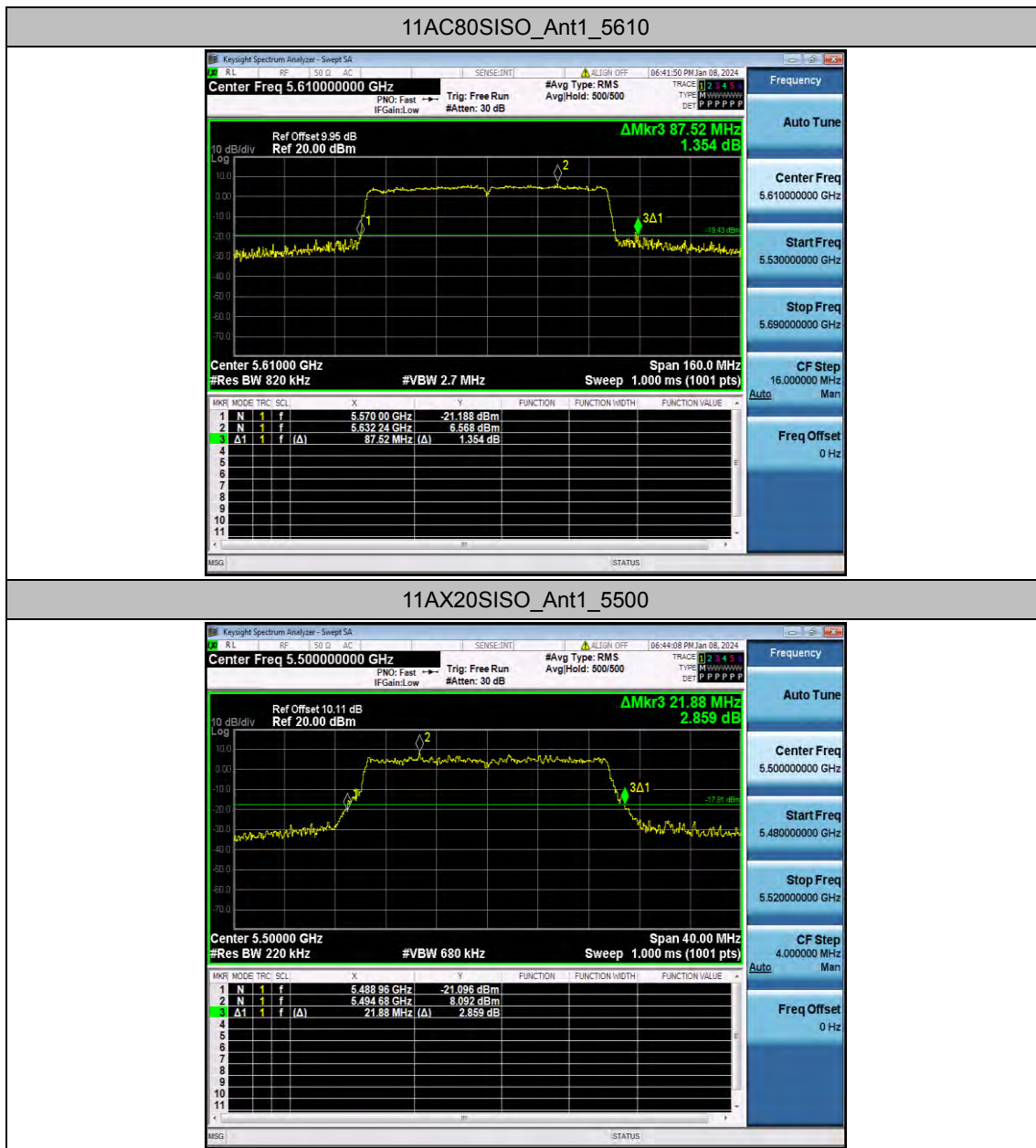


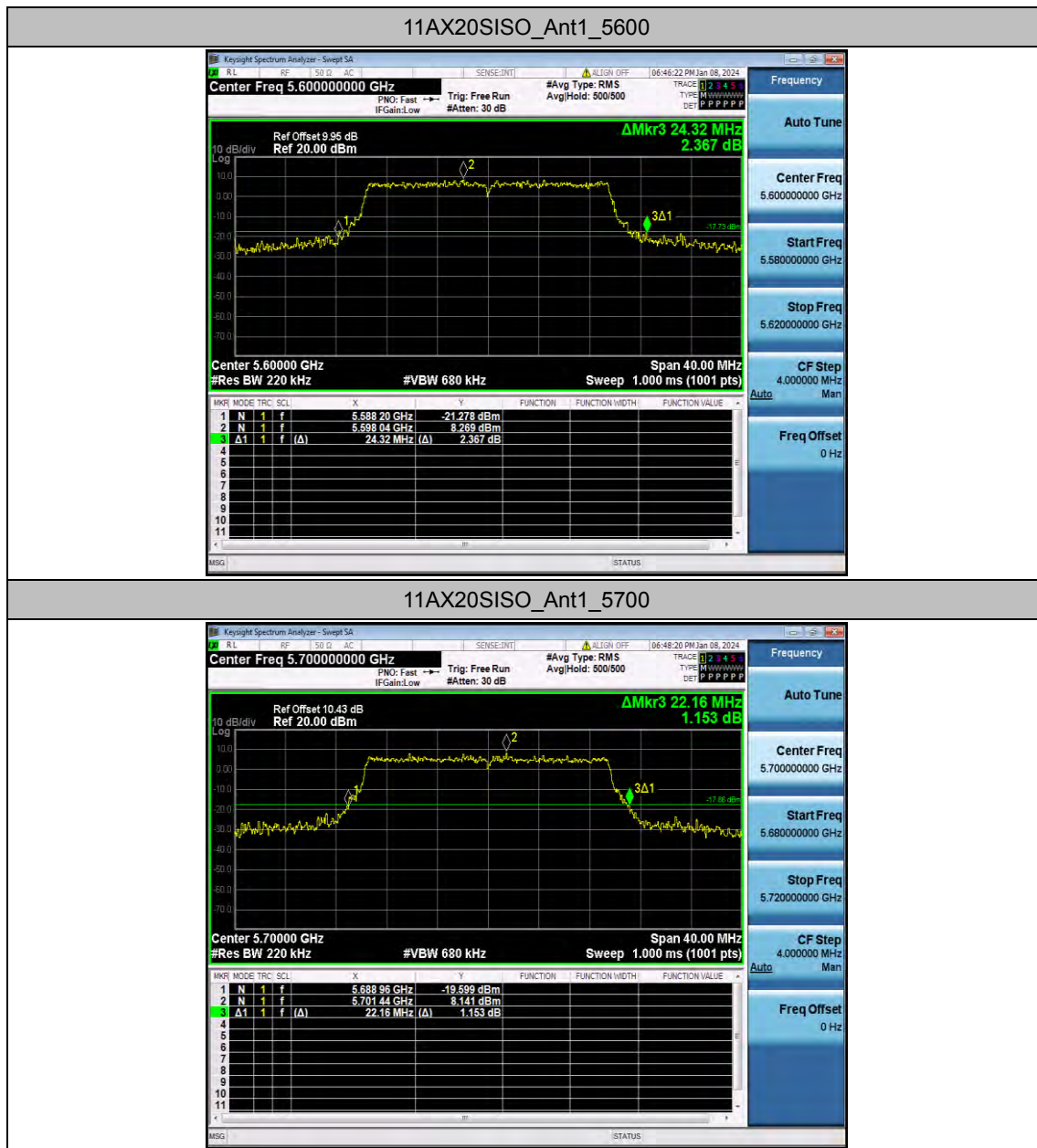


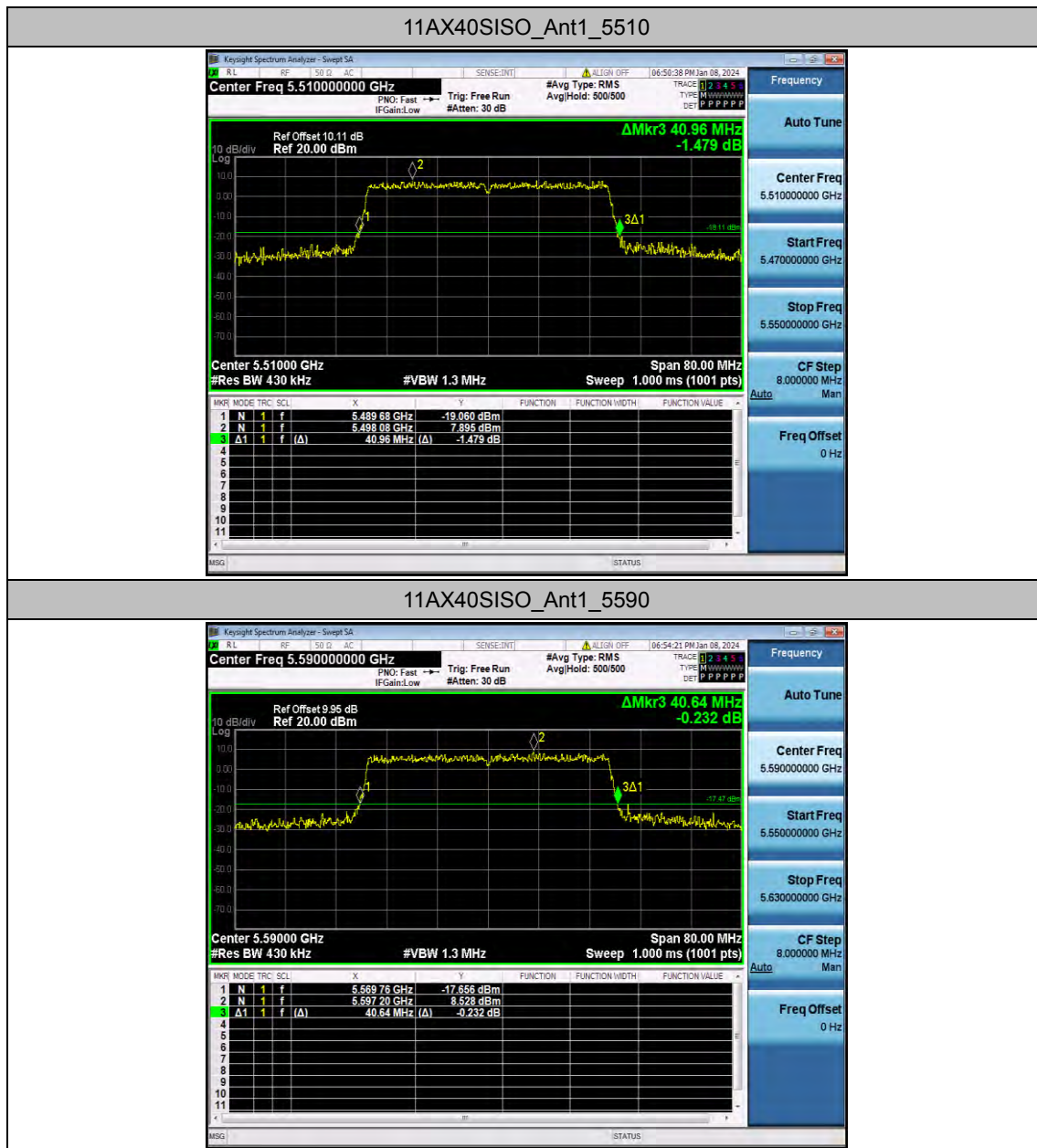


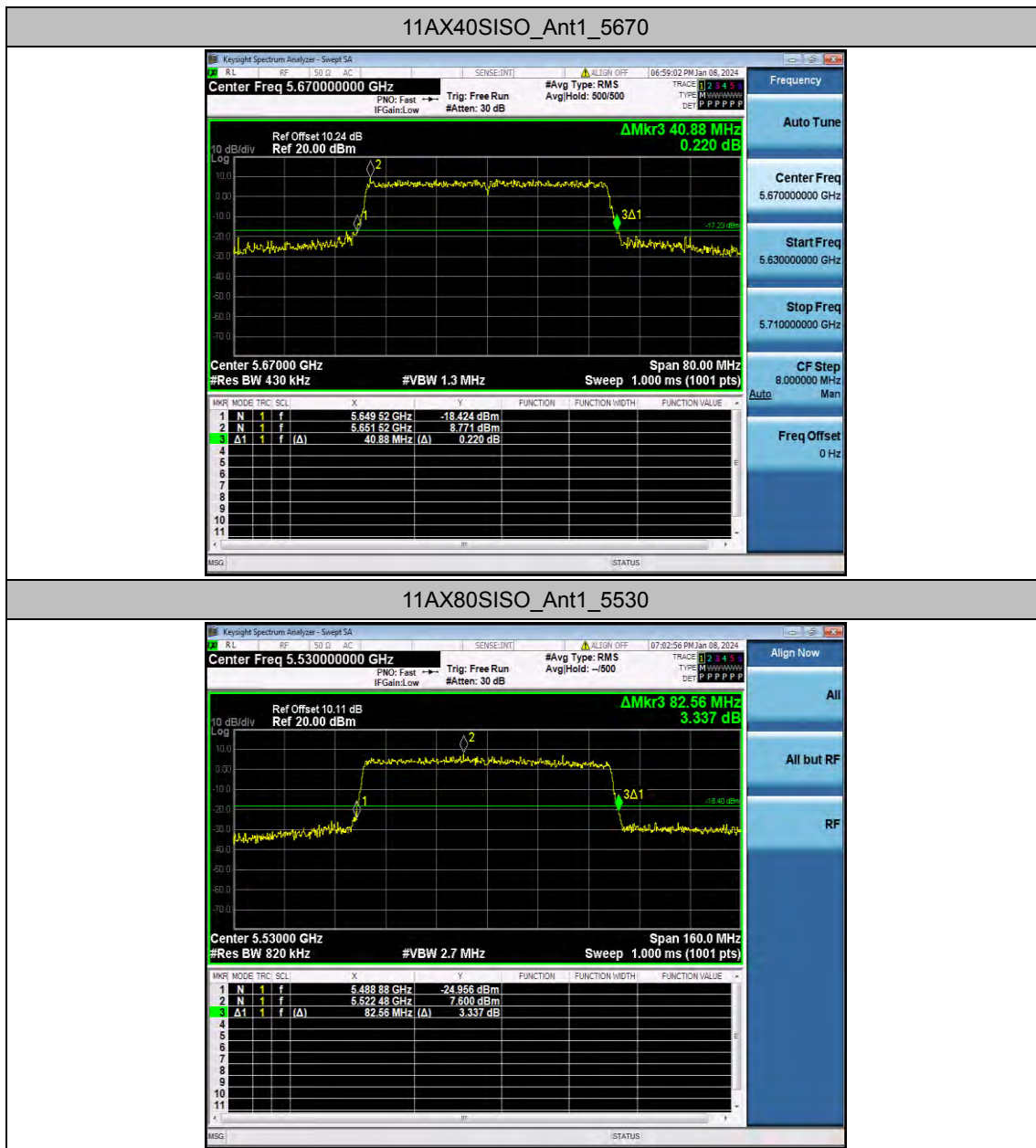












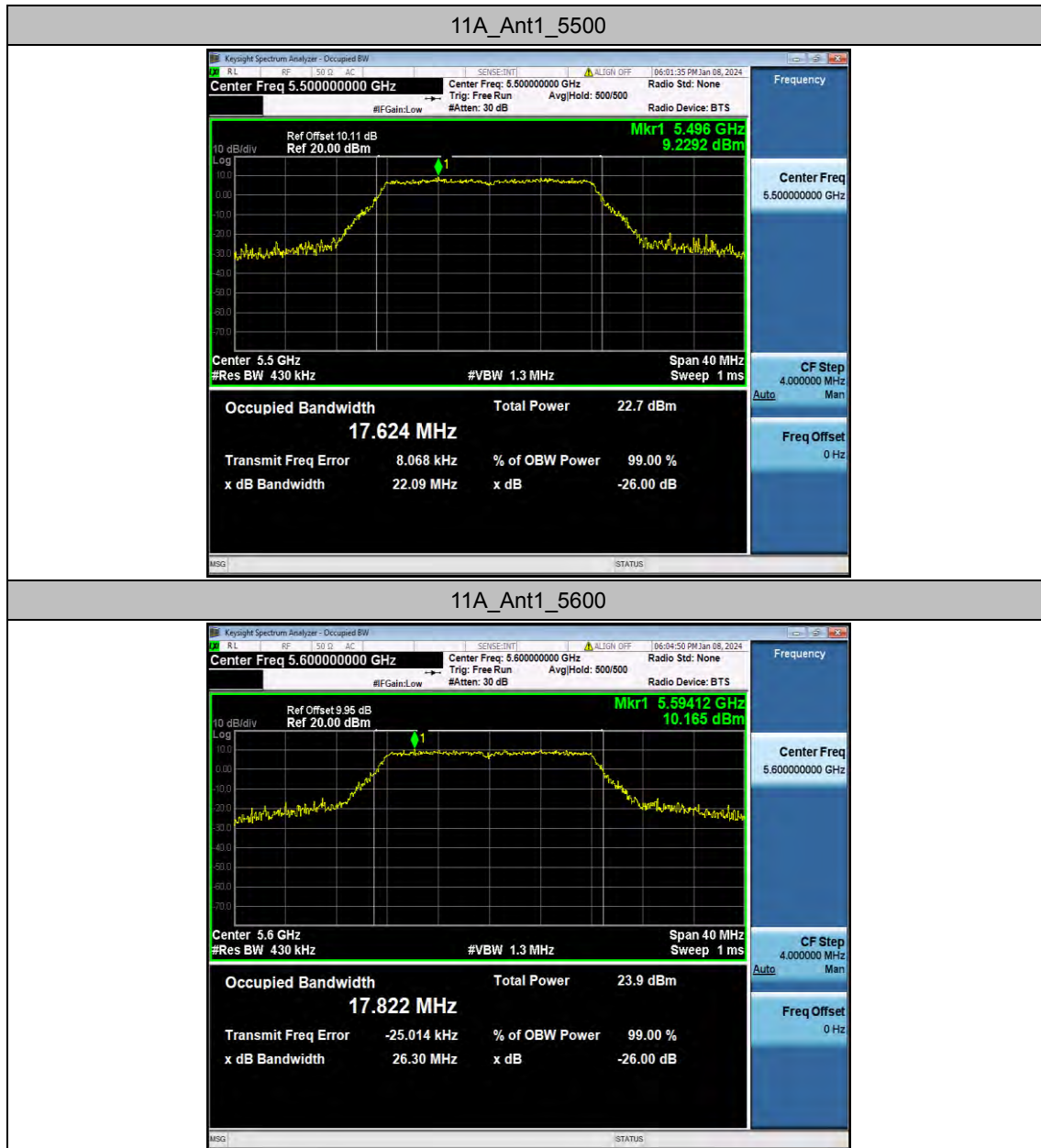


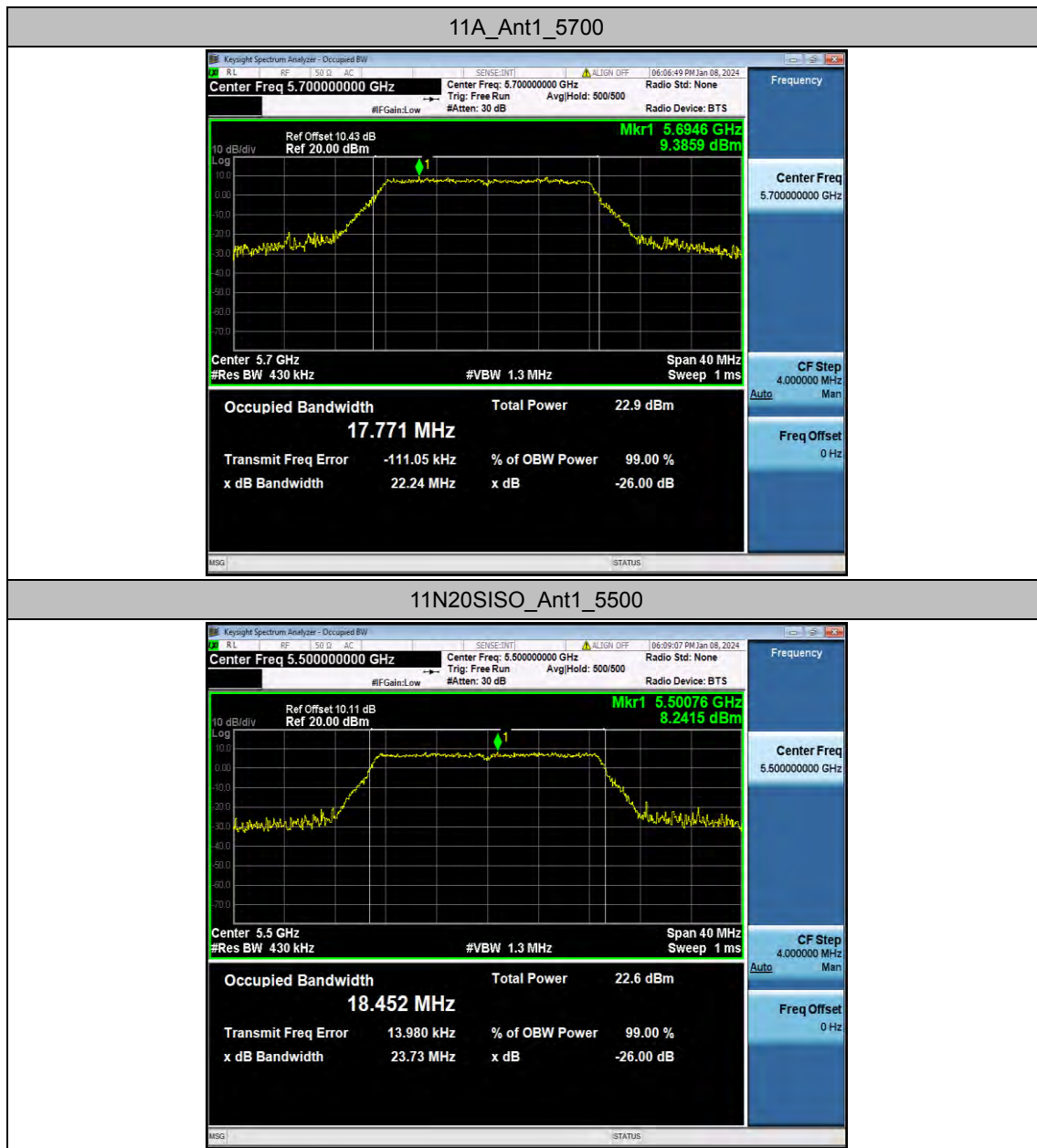
Appendix F.2: Occupied channel bandwidth

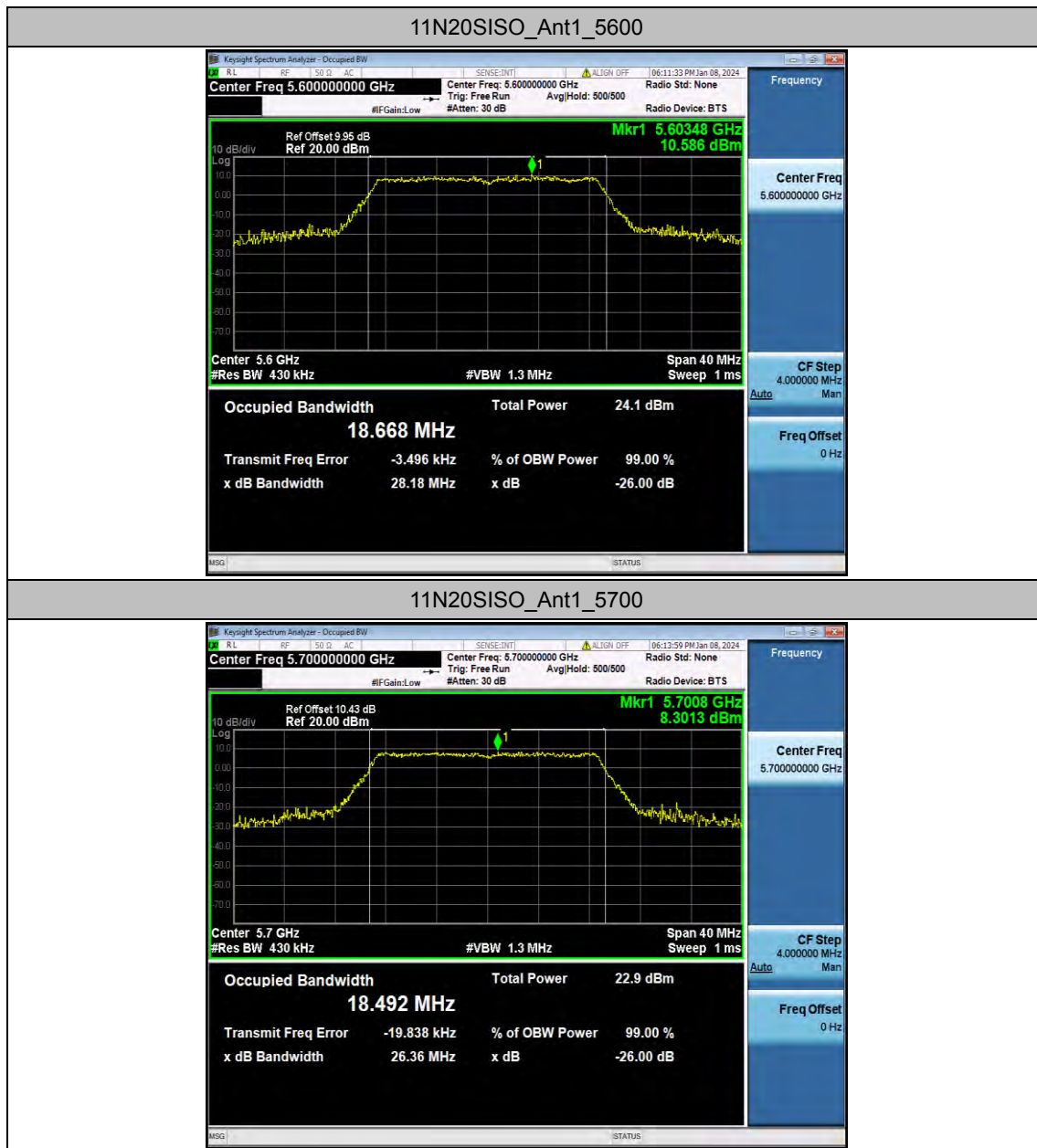
Test Result

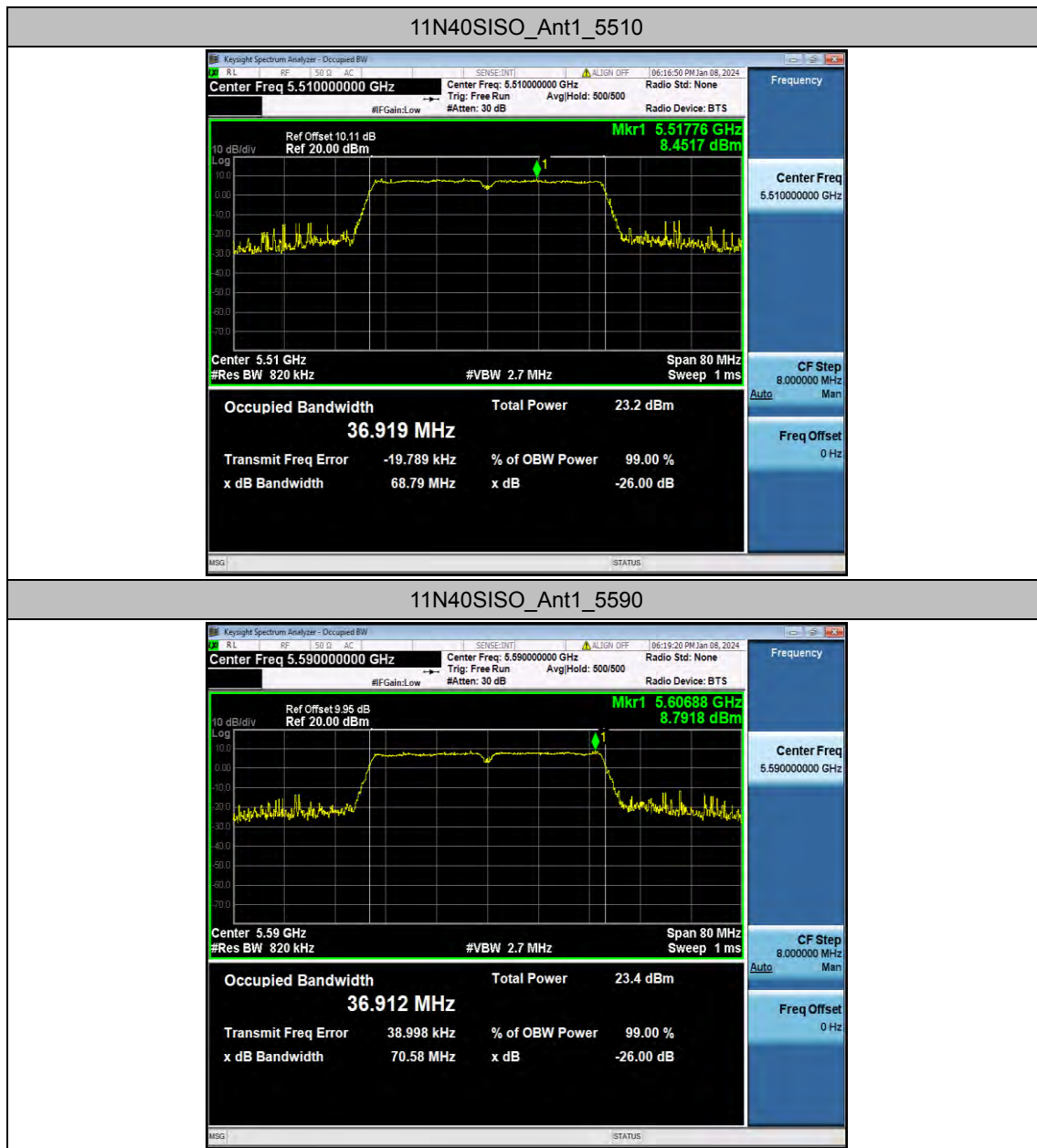
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	17.624	5491.1961	5508.8201	---	---
		5600	17.822	5591.0640	5608.8860	---	---
		5700	17.771	5691.0035	5708.7745	---	---
11N20SISO	Ant1	5500	18.452	5490.7880	5509.2400	---	---
		5600	18.668	5590.6625	5609.3305	---	---
		5700	18.492	5690.7342	5709.2262	---	---
11N40SISO	Ant1	5510	36.919	5491.5207	5528.4397	---	---
		5590	36.912	5571.5830	5608.4950	---	---
		5670	37.027	5651.4497	5688.4767	---	---
11AC20SISO	Ant1	5500	18.492	5490.7677	5509.2597	---	---
		5600	18.630	5590.6867	5609.3167	---	---
		5700	18.553	5690.6645	5709.2175	---	---
11AC40SISO	Ant1	5510	36.736	5491.6402	5528.3762	---	---
		5590	36.895	5571.6299	5608.5249	---	---
		5670	37.037	5651.5012	5688.5382	---	---
11AC80SISO	Ant1	5530	75.593	5492.1559	5567.7489	---	---
		5610	75.693	5572.2926	5647.9856	---	---
11AX20SISO	Ant1	5500	19.365	5490.3246	5509.6896	---	---
		5600	19.401	5590.2981	5609.6991	---	---
		5700	19.400	5690.2824	5709.6824	---	---
11AX40SISO	Ant1	5510	38.035	5490.9799	5529.0149	---	---
		5590	38.102	5570.9958	5609.0978	---	---
		5670	38.184	5650.9035	5689.0875	---	---
11AX80SISO	Ant1	5530	77.572	5491.1600	5568.7320	---	---
		5610	77.713	5571.3699	5649.0829	---	---

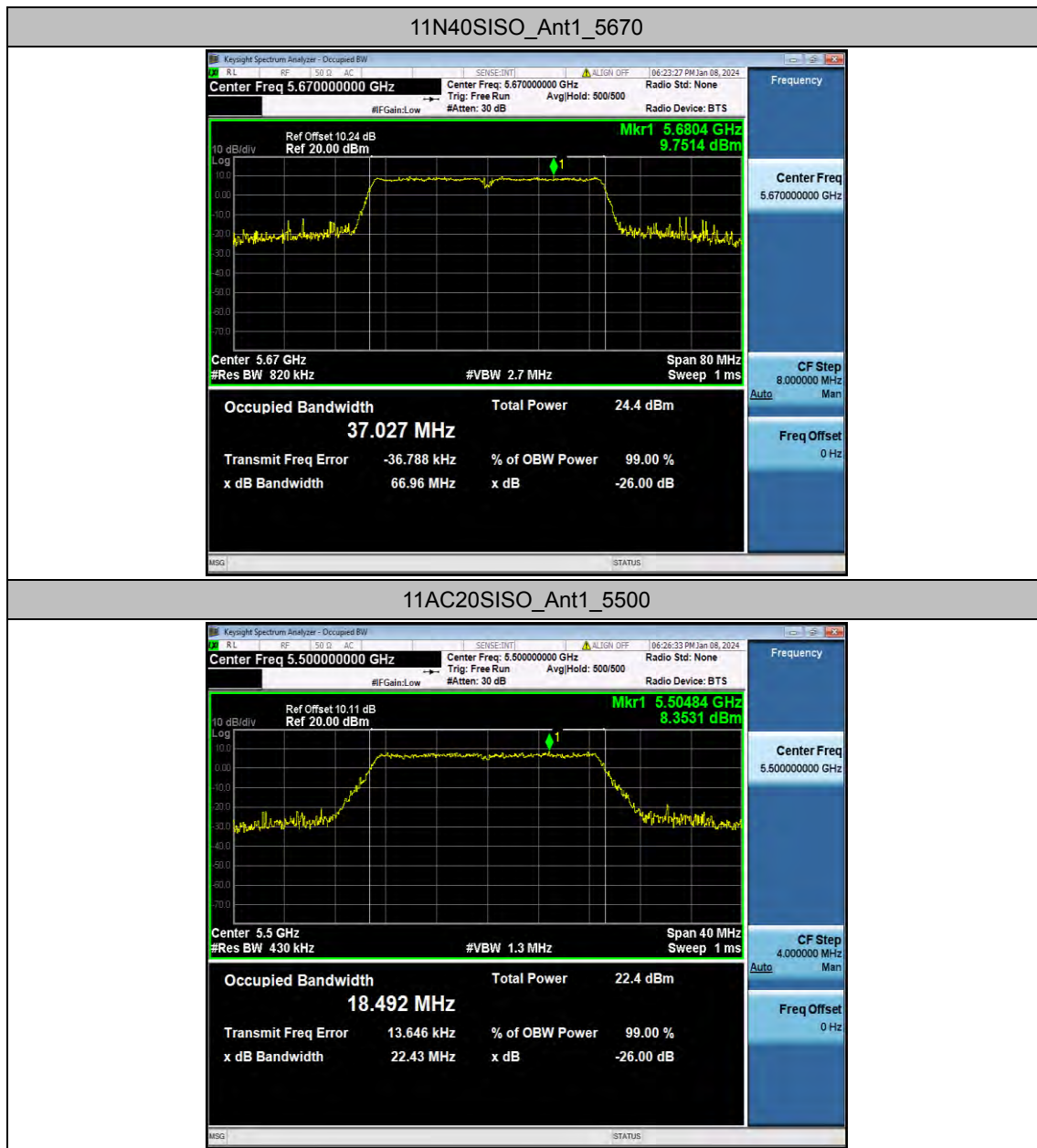
Test Graphs

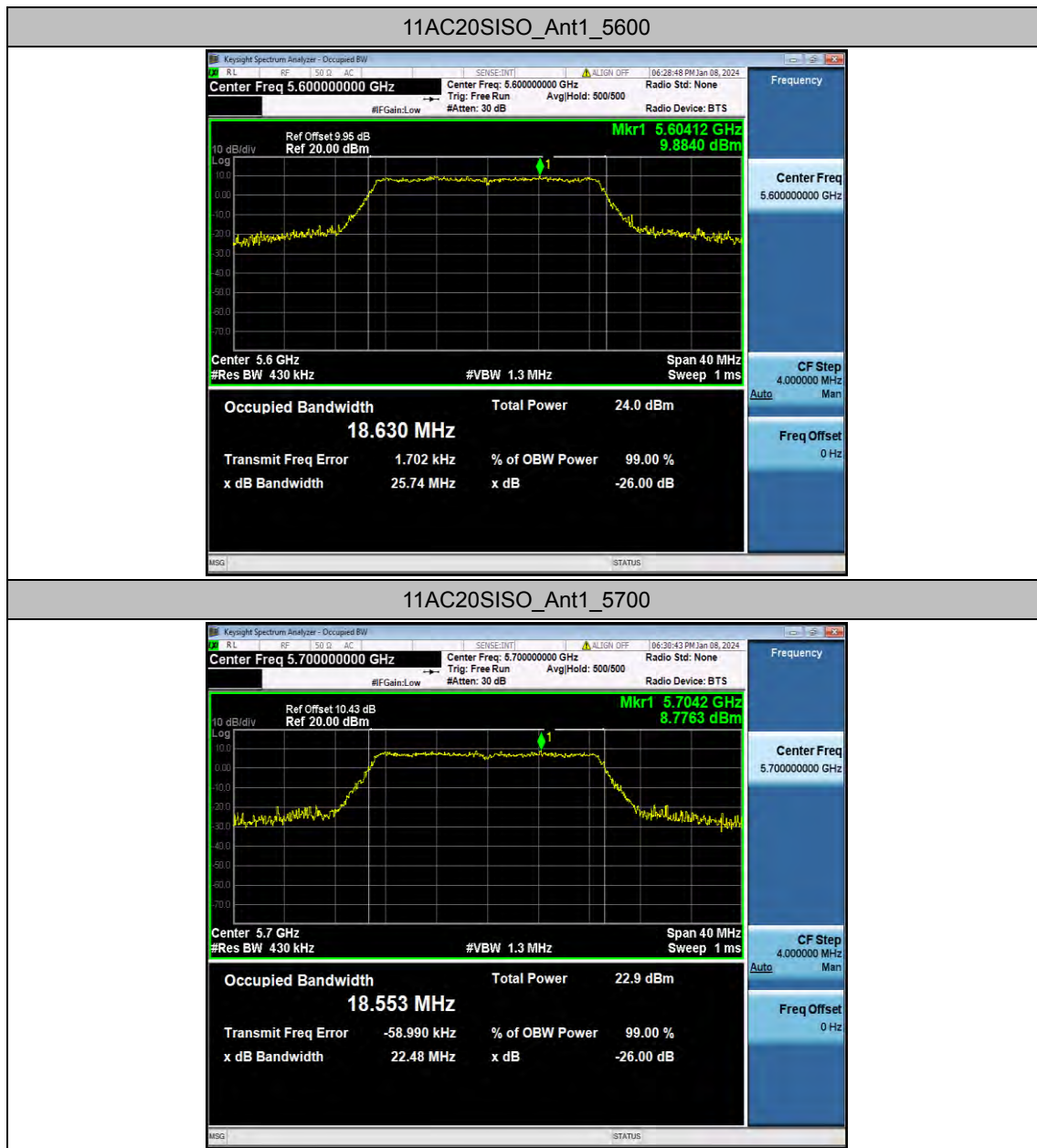


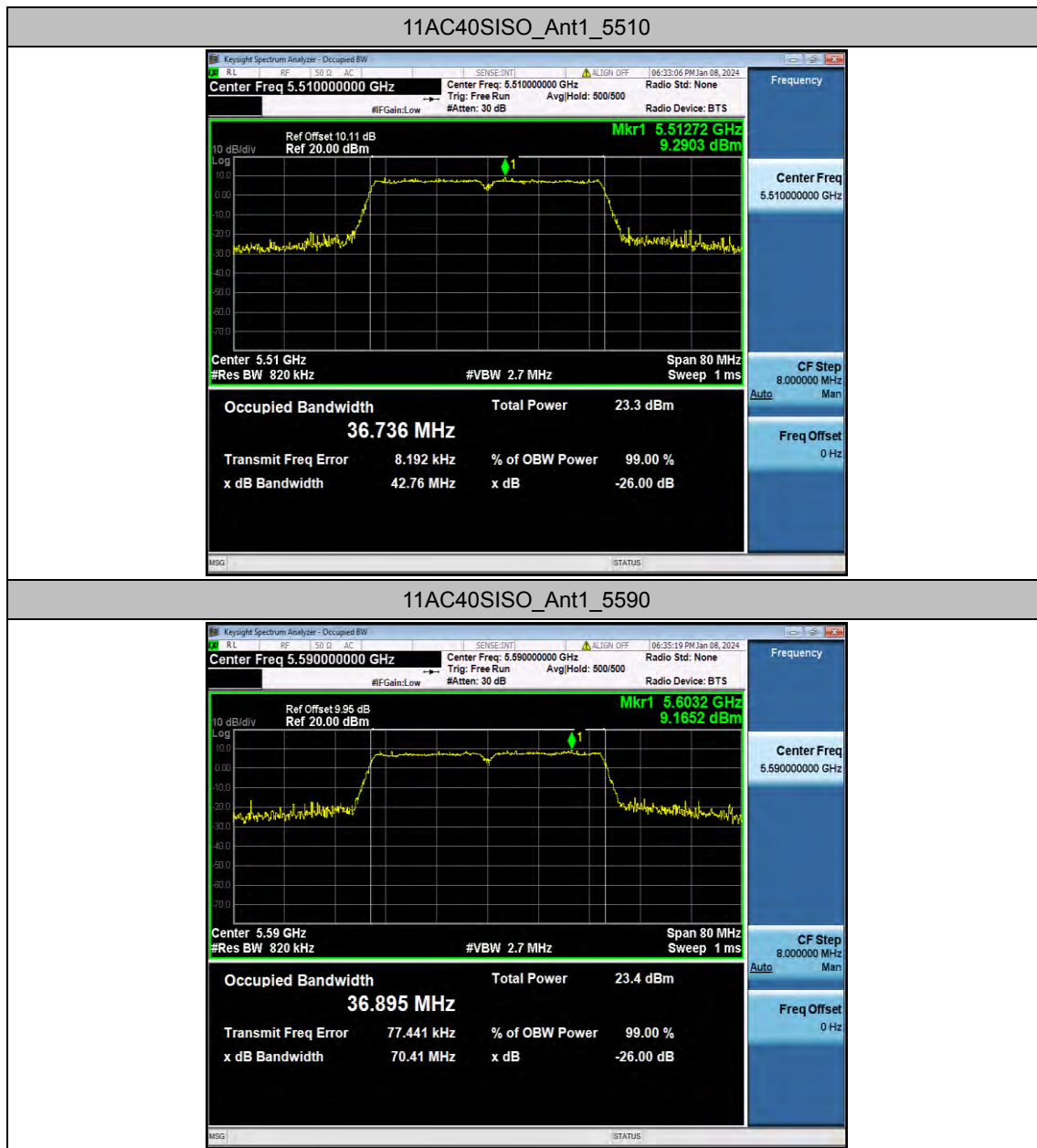


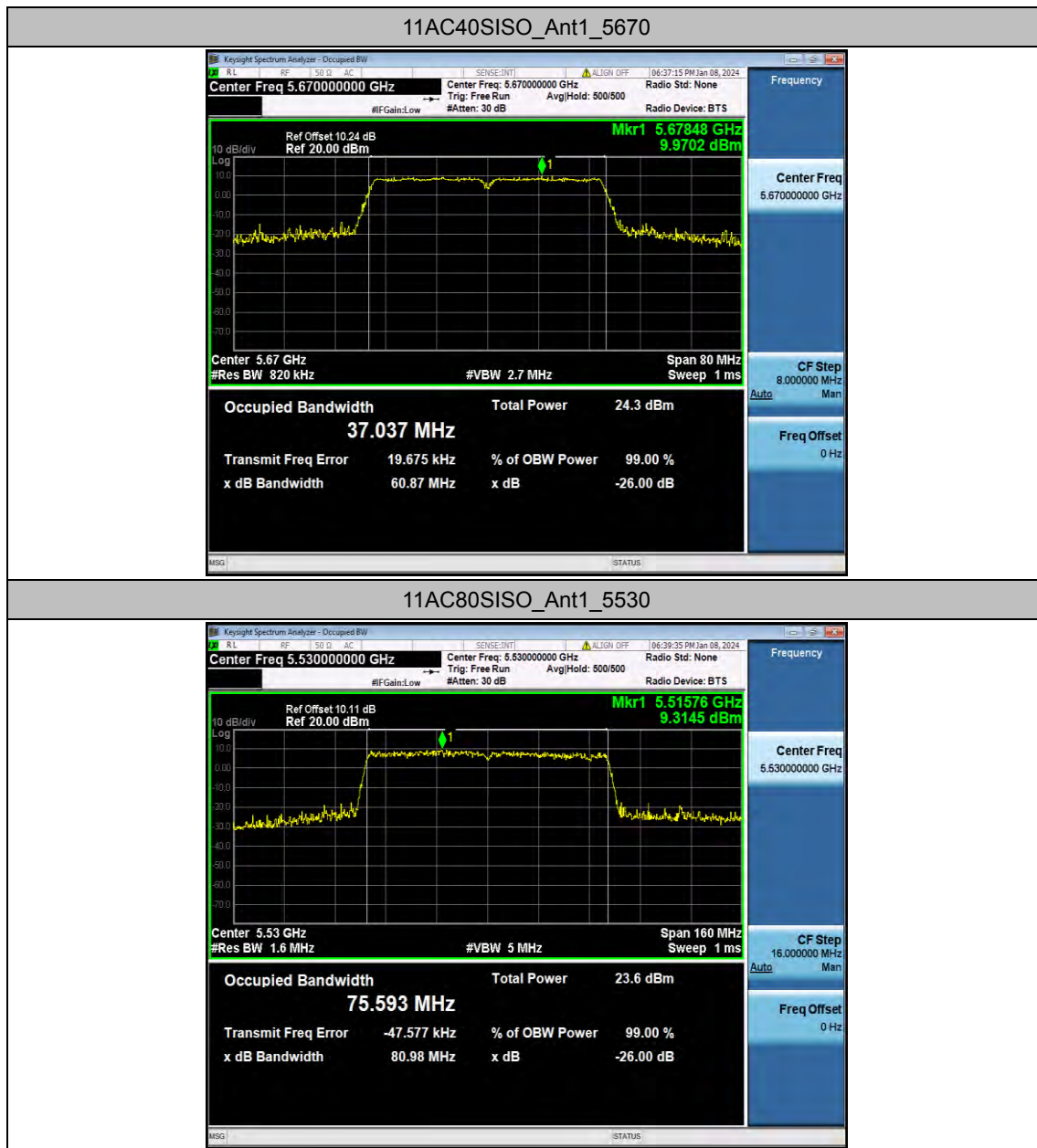


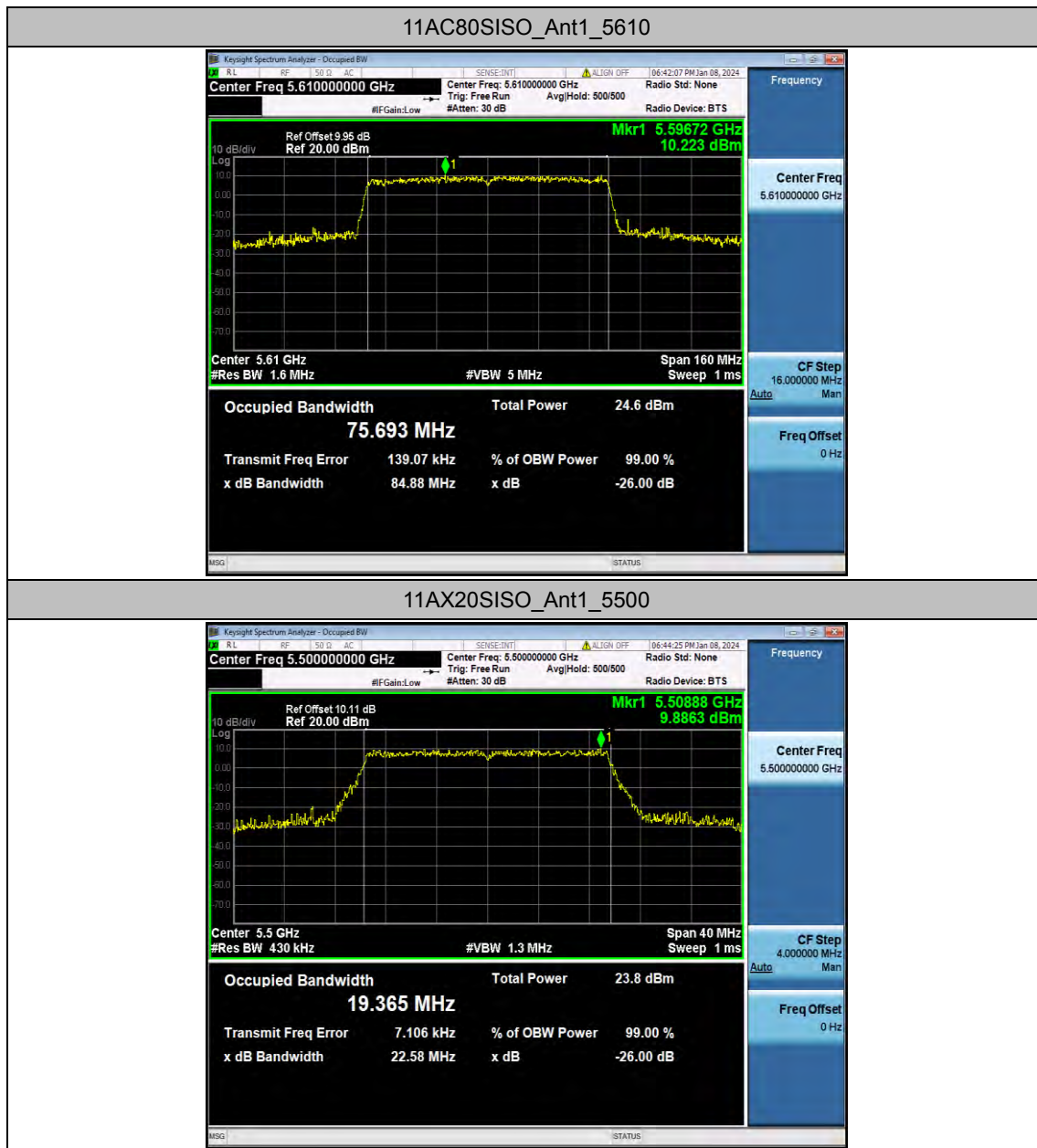


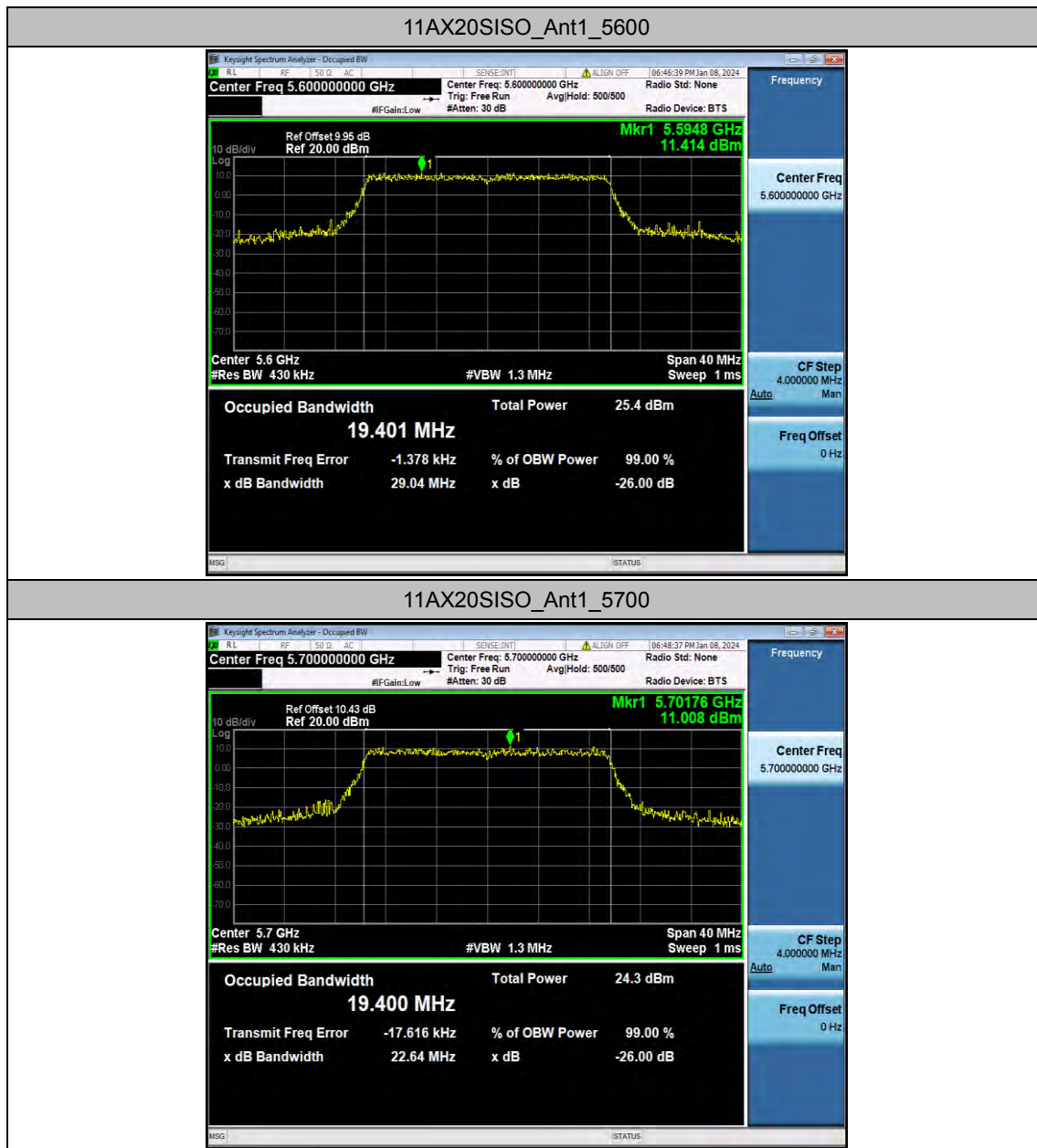


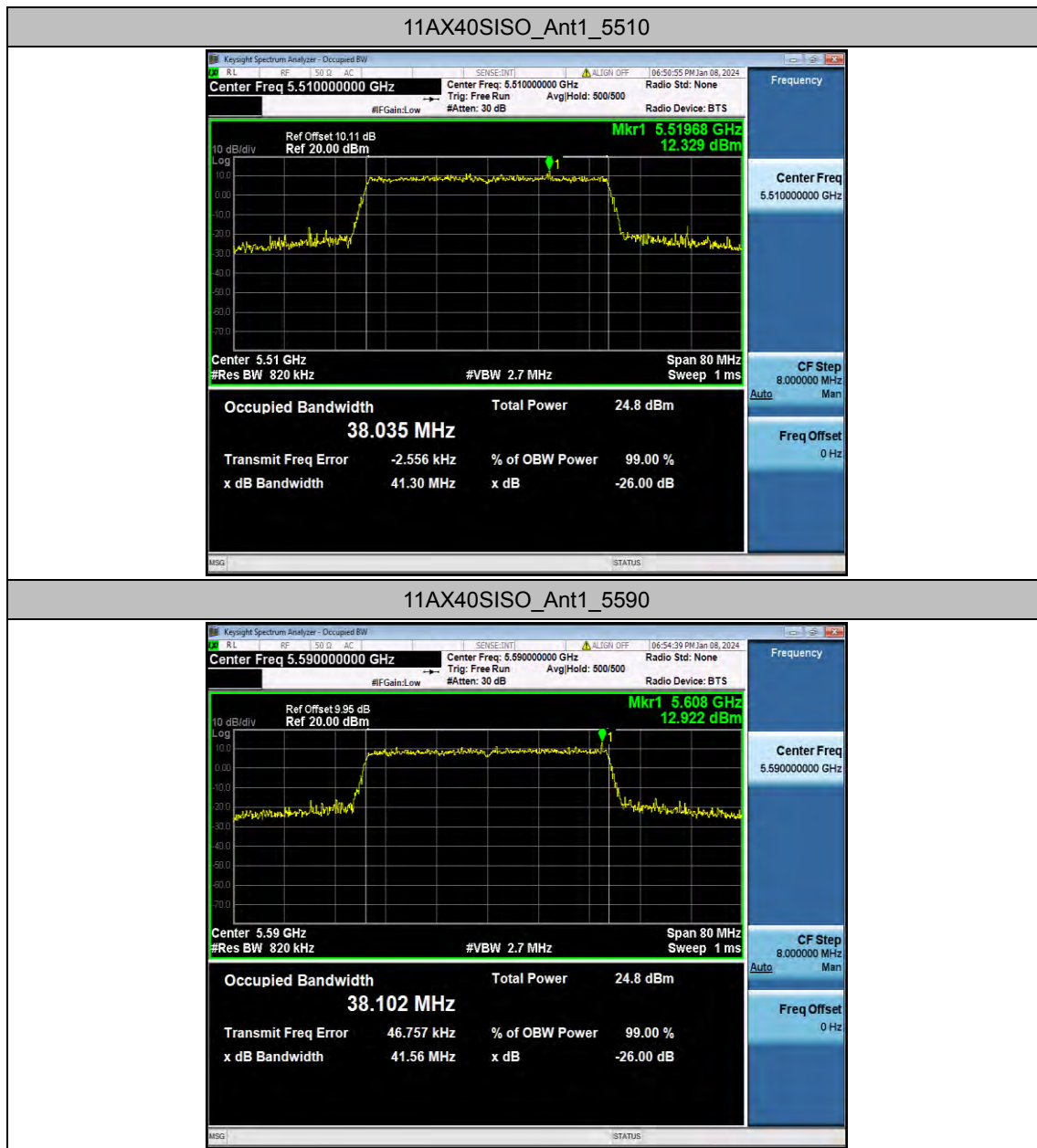


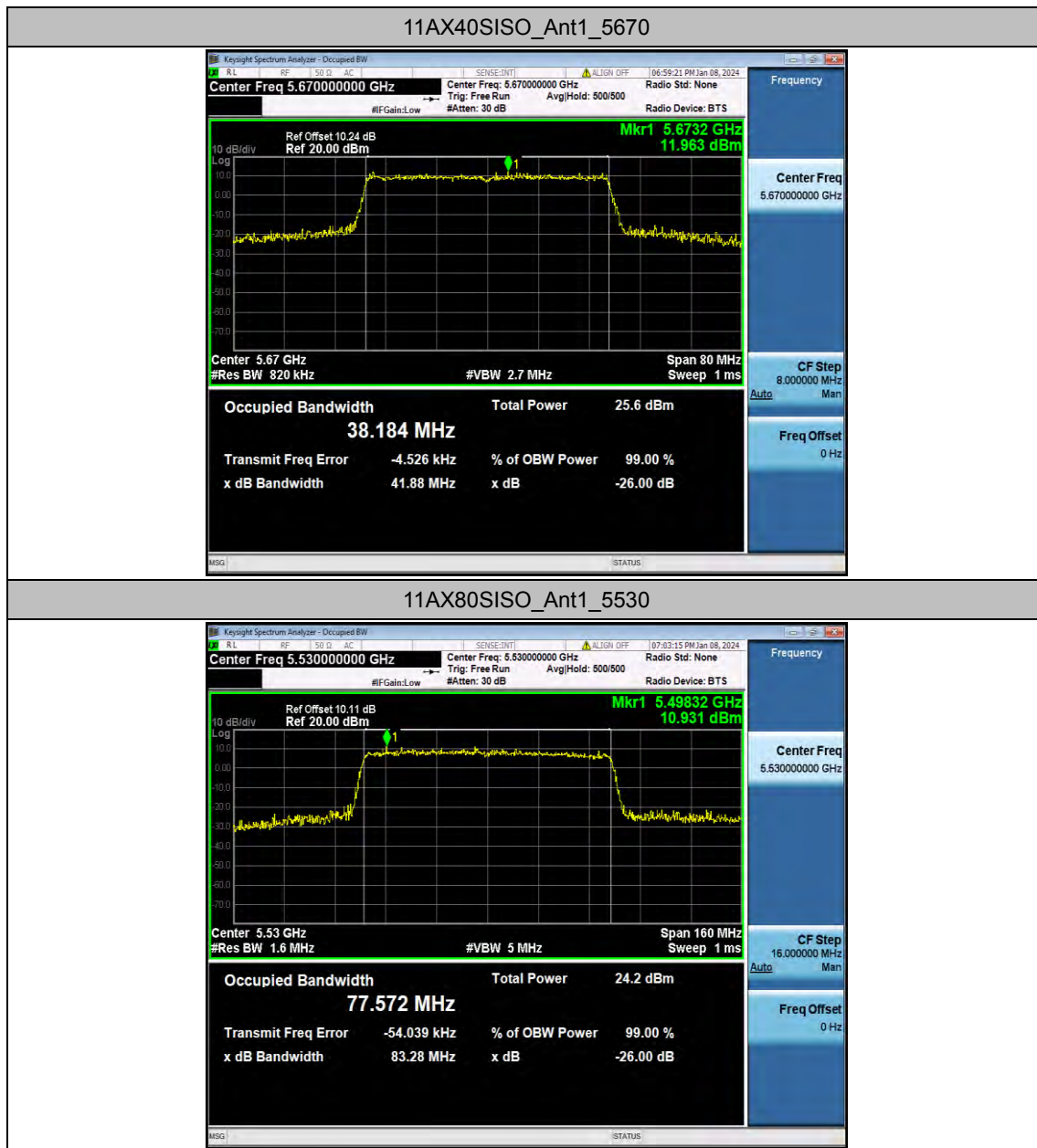


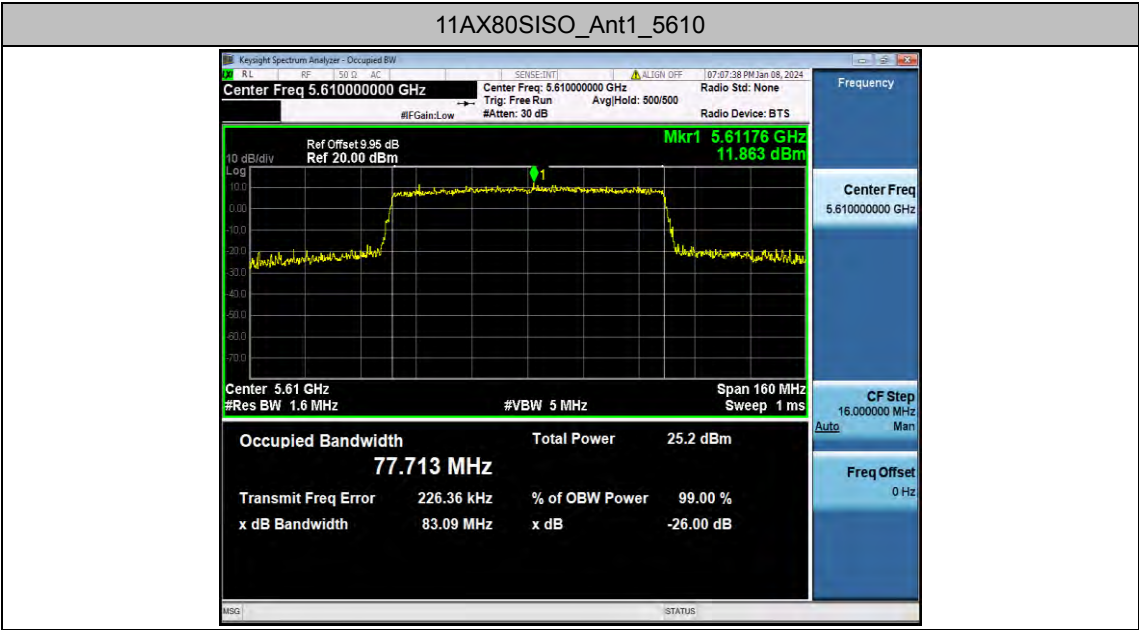










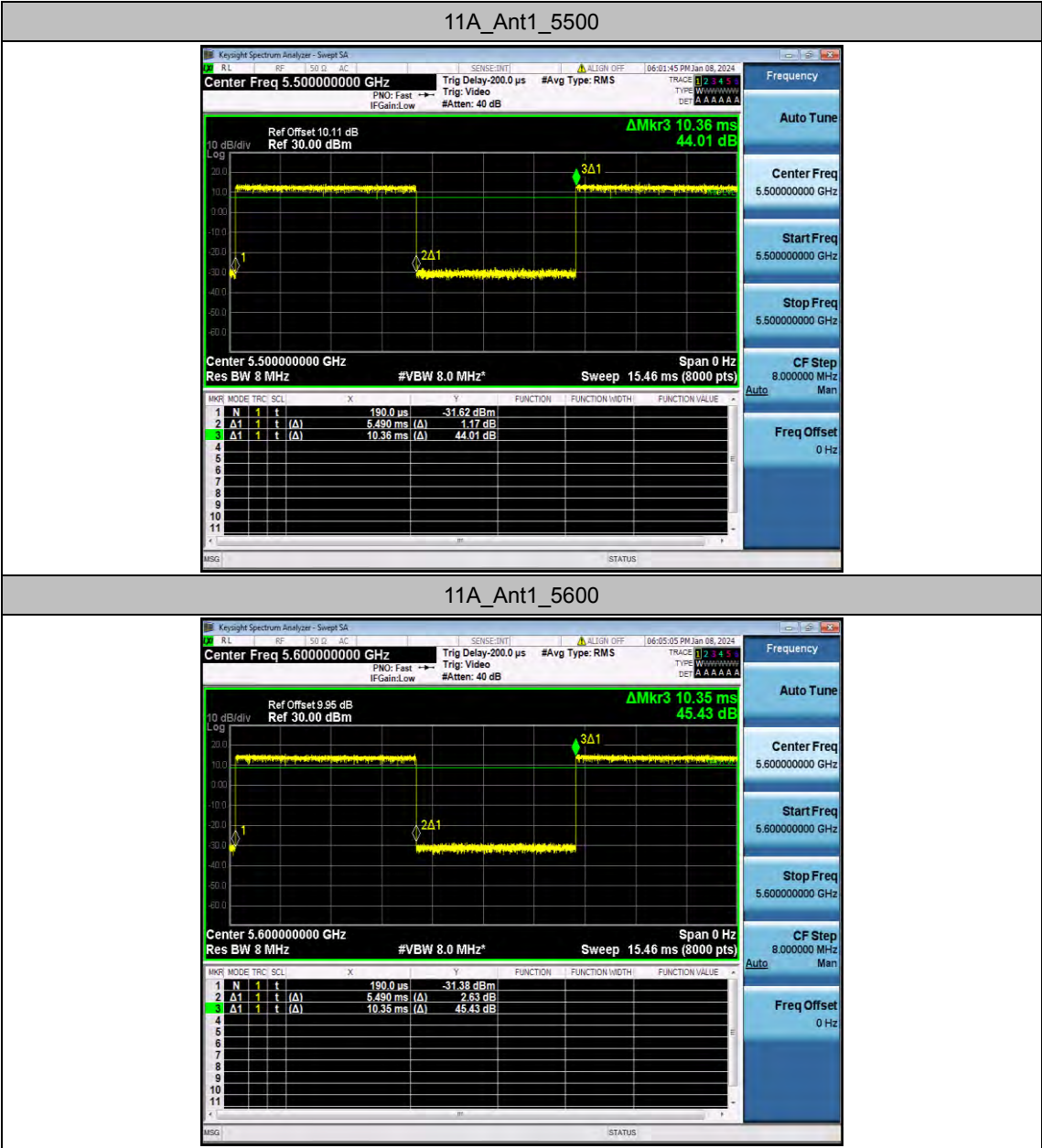


Appendix F.3: Duty Cycle

Test Result

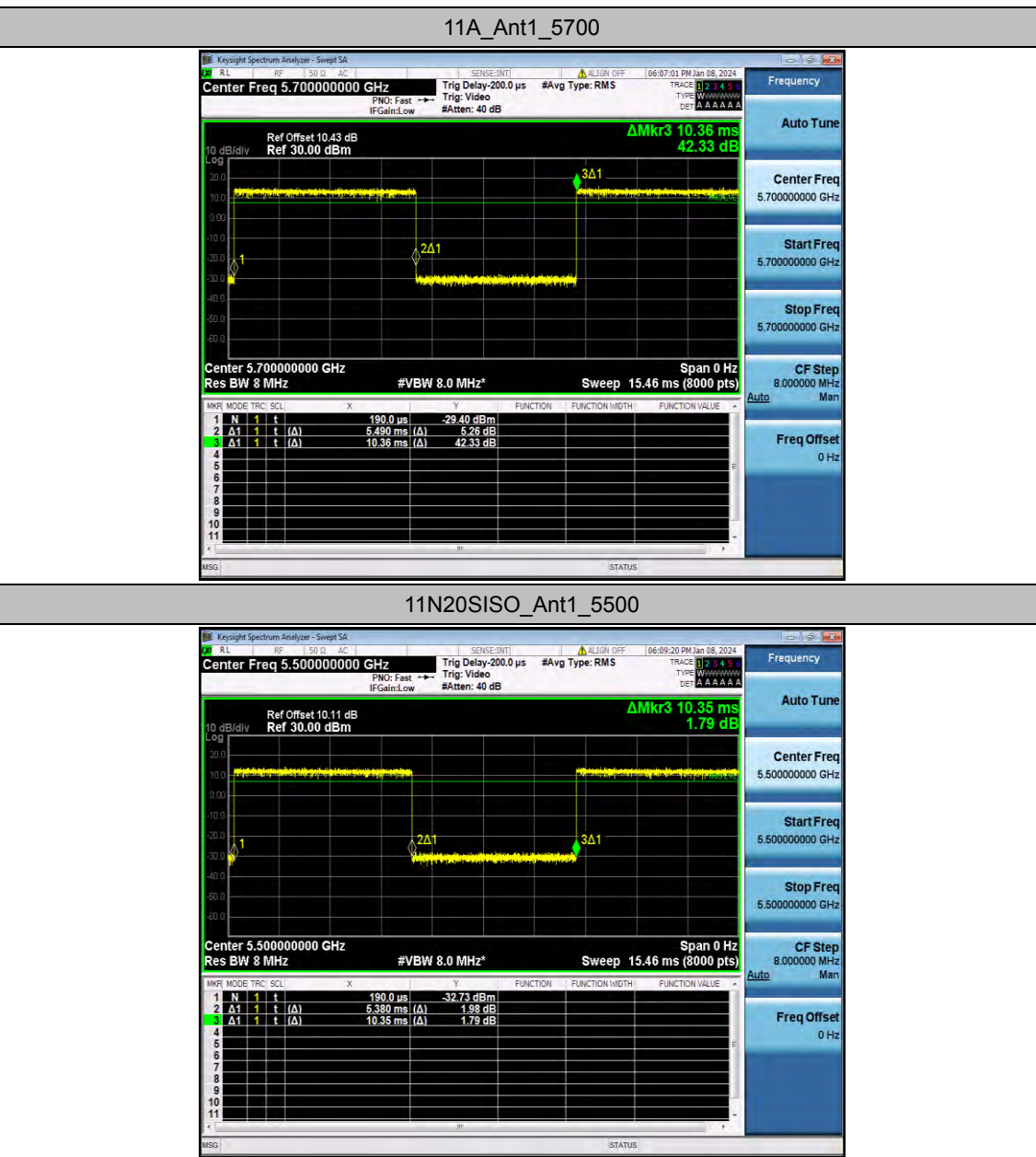
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5500	5.49	10.36	52.99	2.76	0.18
		5600	5.49	10.35	53.04	2.75	0.18
		5700	5.49	10.36	52.99	2.76	0.18
11N20SISO	Ant1	5500	5.38	10.35	51.98	2.84	0.19
		5600	5.37	10.34	51.93	2.85	0.19
		5700	5.37	10.35	51.88	2.85	0.19
11N40SISO	Ant1	5510	5.16	10.35	49.86	3.02	0.19
		5590	5.15	10.35	49.76	3.03	0.19
		5670	5.15	10.35	49.76	3.03	0.19
11AC20SISO	Ant1	5500	5.38	10.35	51.98	2.84	0.19
		5600	5.38	10.35	51.98	2.84	0.19
		5700	5.39	10.35	52.08	2.83	0.19
11AC40SISO	Ant1	5510	5.16	10.34	49.90	3.02	0.19
		5590	5.16	10.35	49.86	3.02	0.19
		5670	5.16	10.34	49.90	3.02	0.19
11AC80SISO	Ant1	5530	4.75	10.34	45.94	3.38	0.21
		5610	4.75	10.34	45.94	3.38	0.21
11AX20SISO	Ant1	5500	4.65	10.34	44.97	3.47	0.22
		5600	4.65	10.35	44.93	3.47	0.22
		5700	4.65	10.35	44.93	3.47	0.22
11AX40SISO	Ant1	5510	4.64	10.34	44.87	3.48	0.22
		5590	4.64	10.35	44.83	3.48	0.22
		5670	4.64	10.34	44.87	3.48	0.22
11AX80SISO	Ant1	5530	4.42	10.35	42.71	3.69	0.23
		5610	4.43	10.34	42.84	3.68	0.23

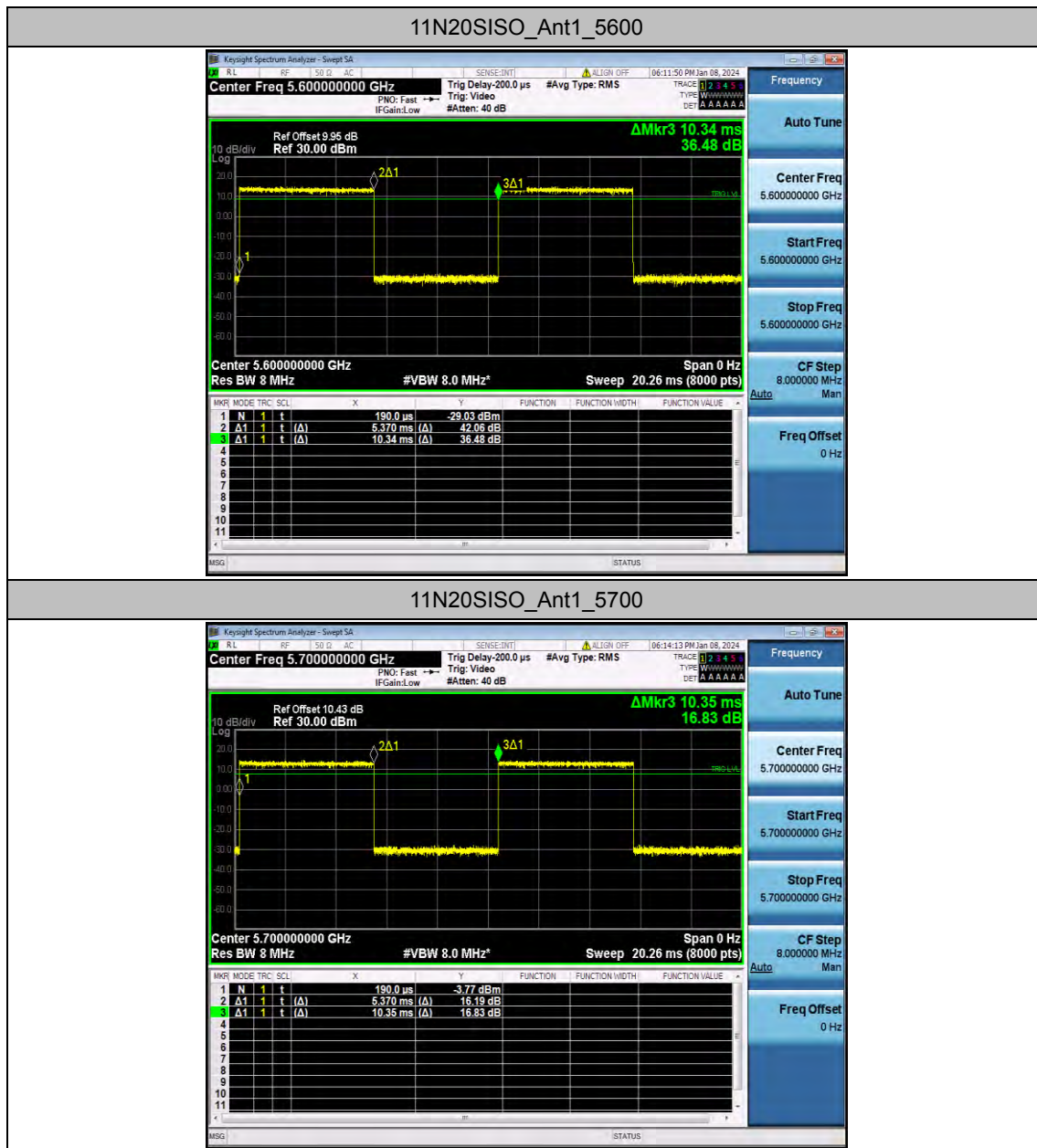
Test Graphs

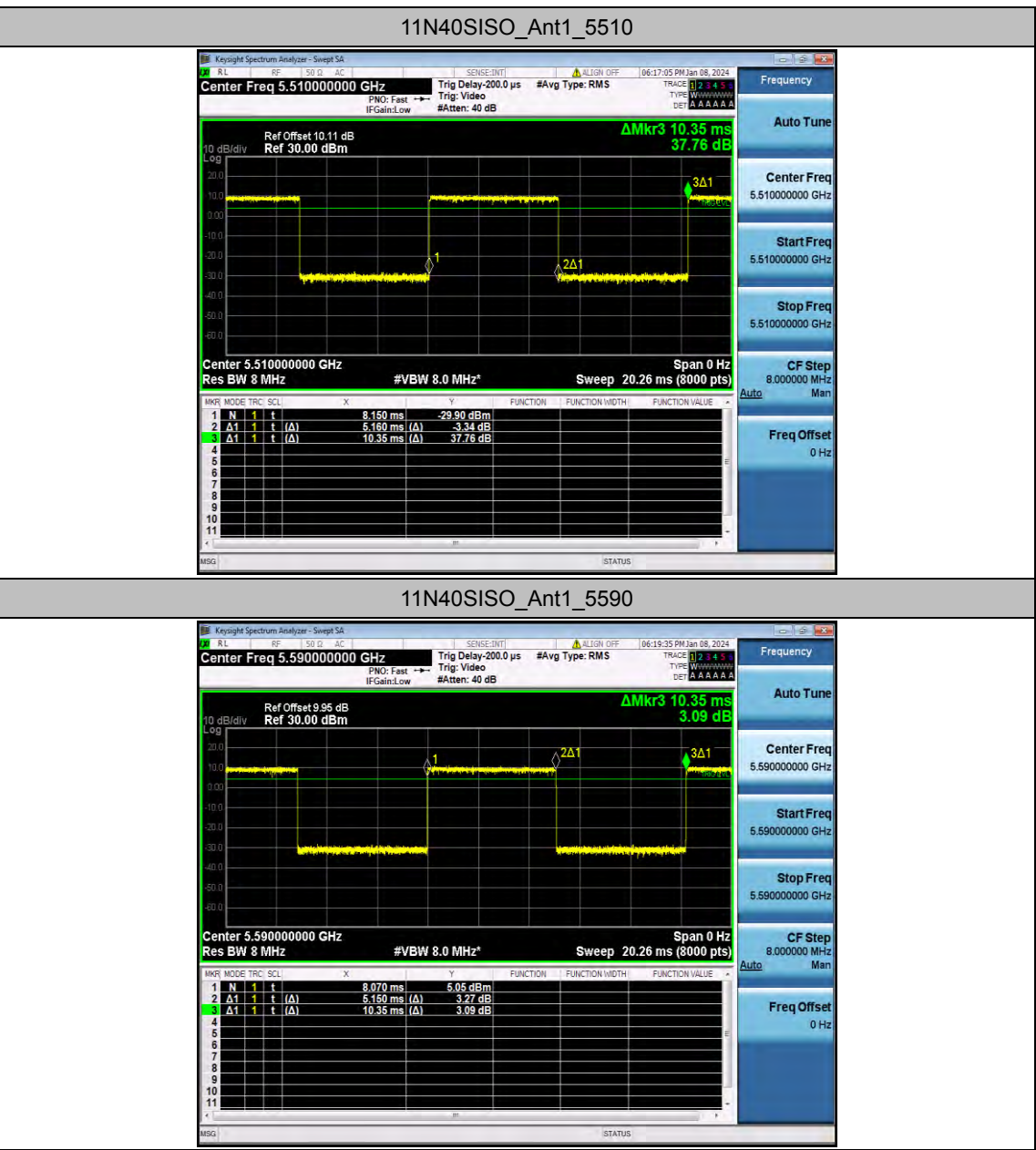


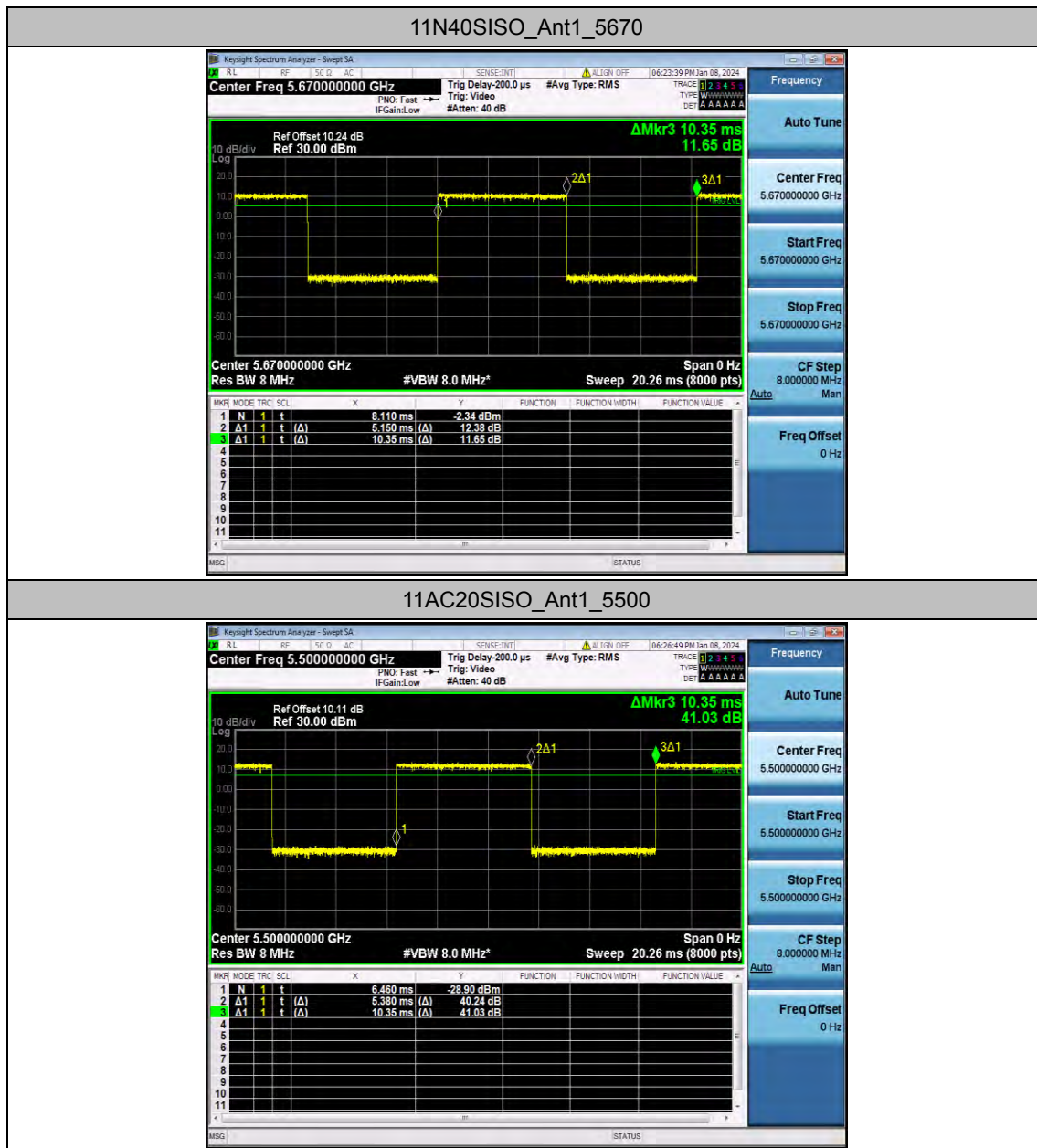
11A_Ant1_5600

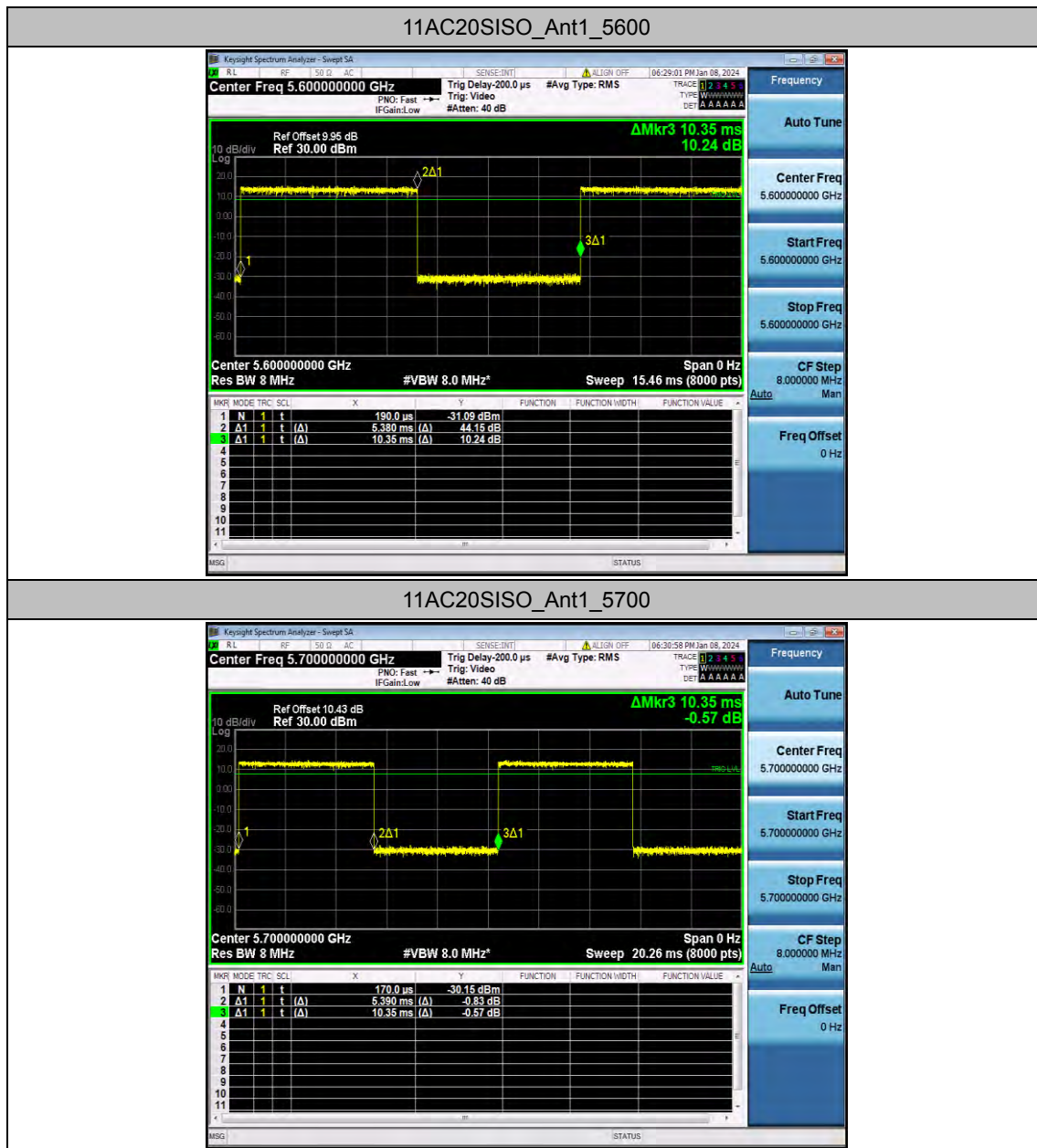
Frequency
Auto Tune
Center Freq 5.600000000 GHz
Start Freq 5.600000000 GHz
Stop Freq 5.600000000 GHz
CF Step 8.0000000 MHz
Freq Offset 0 Hz

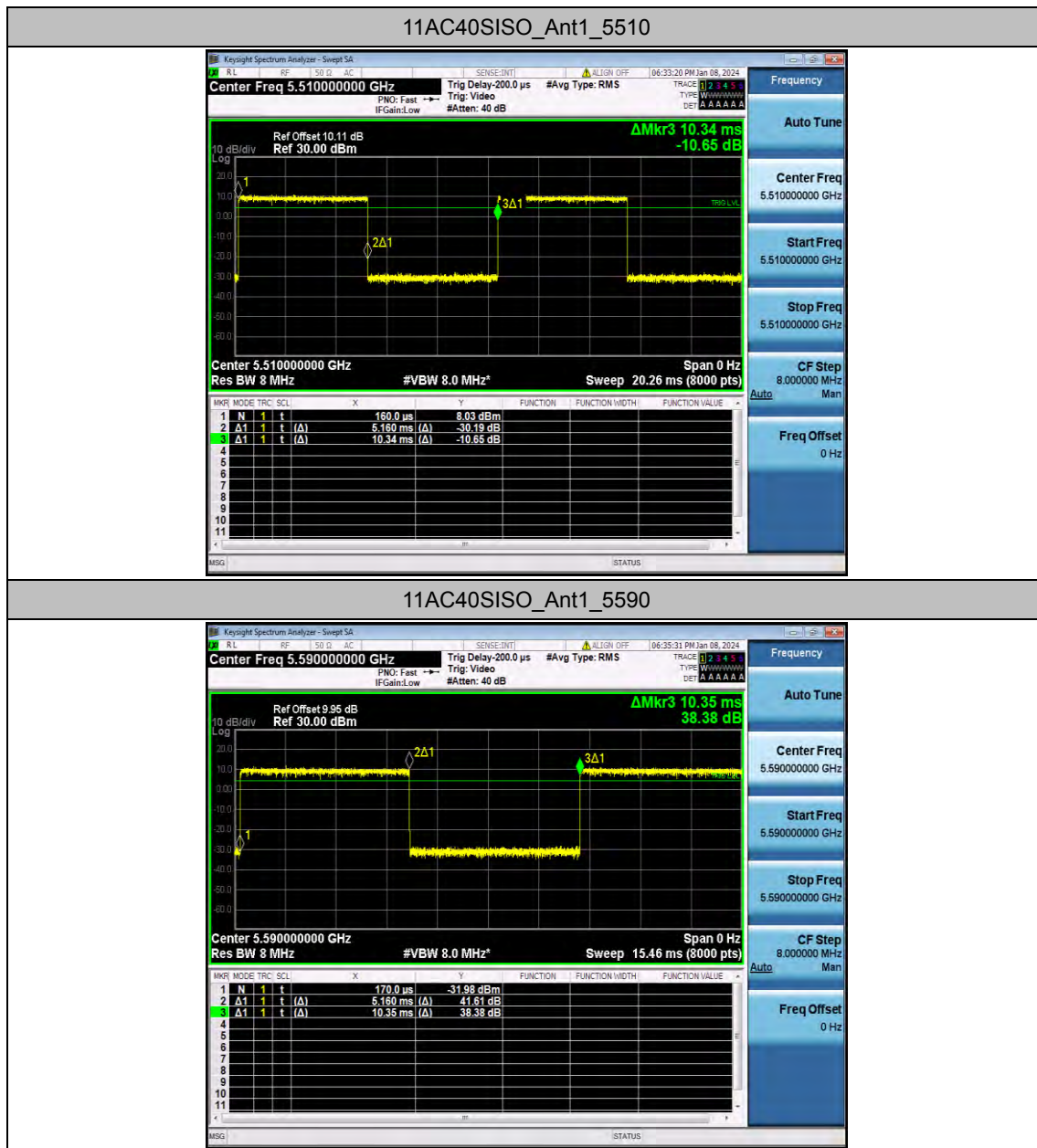


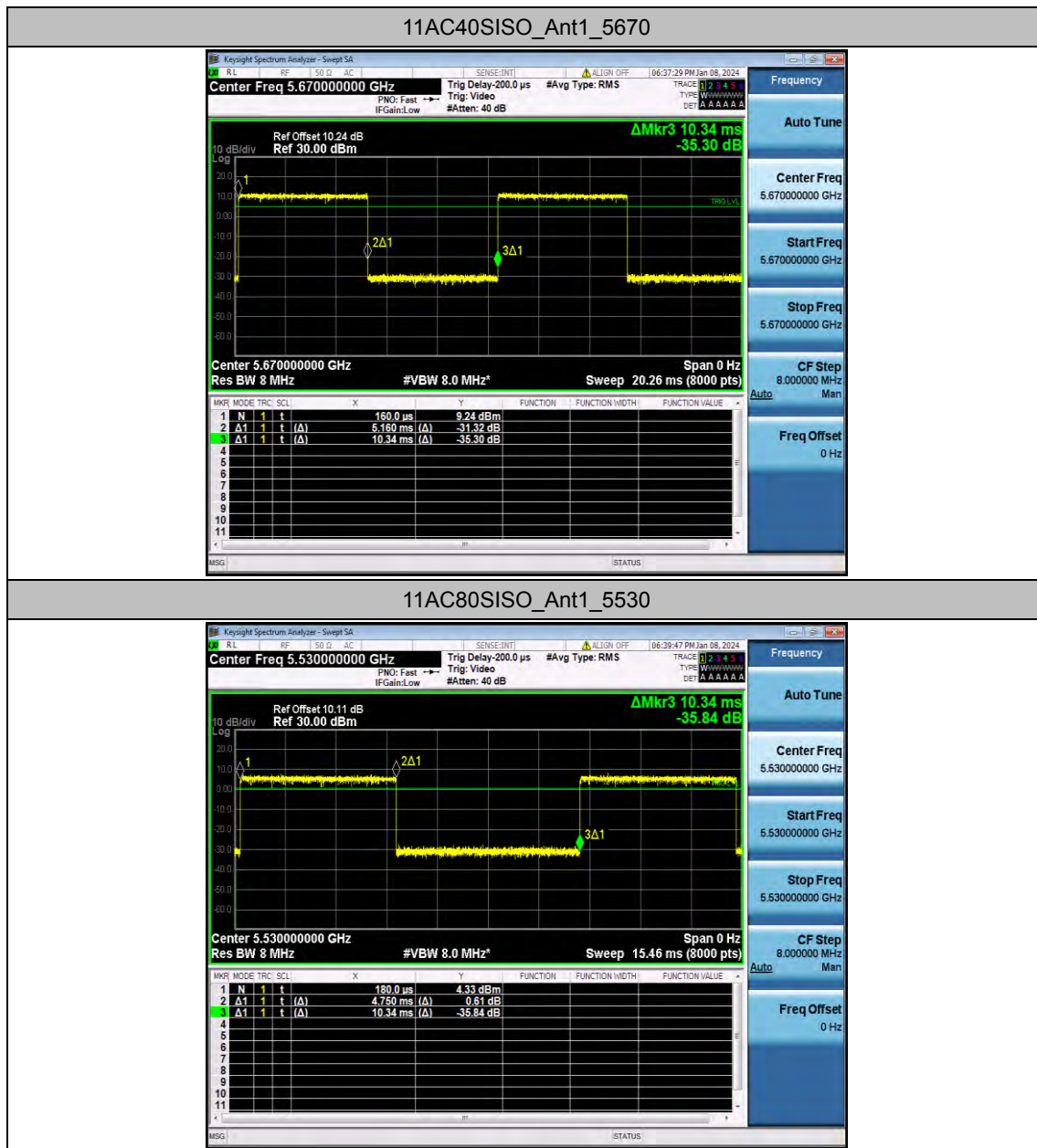


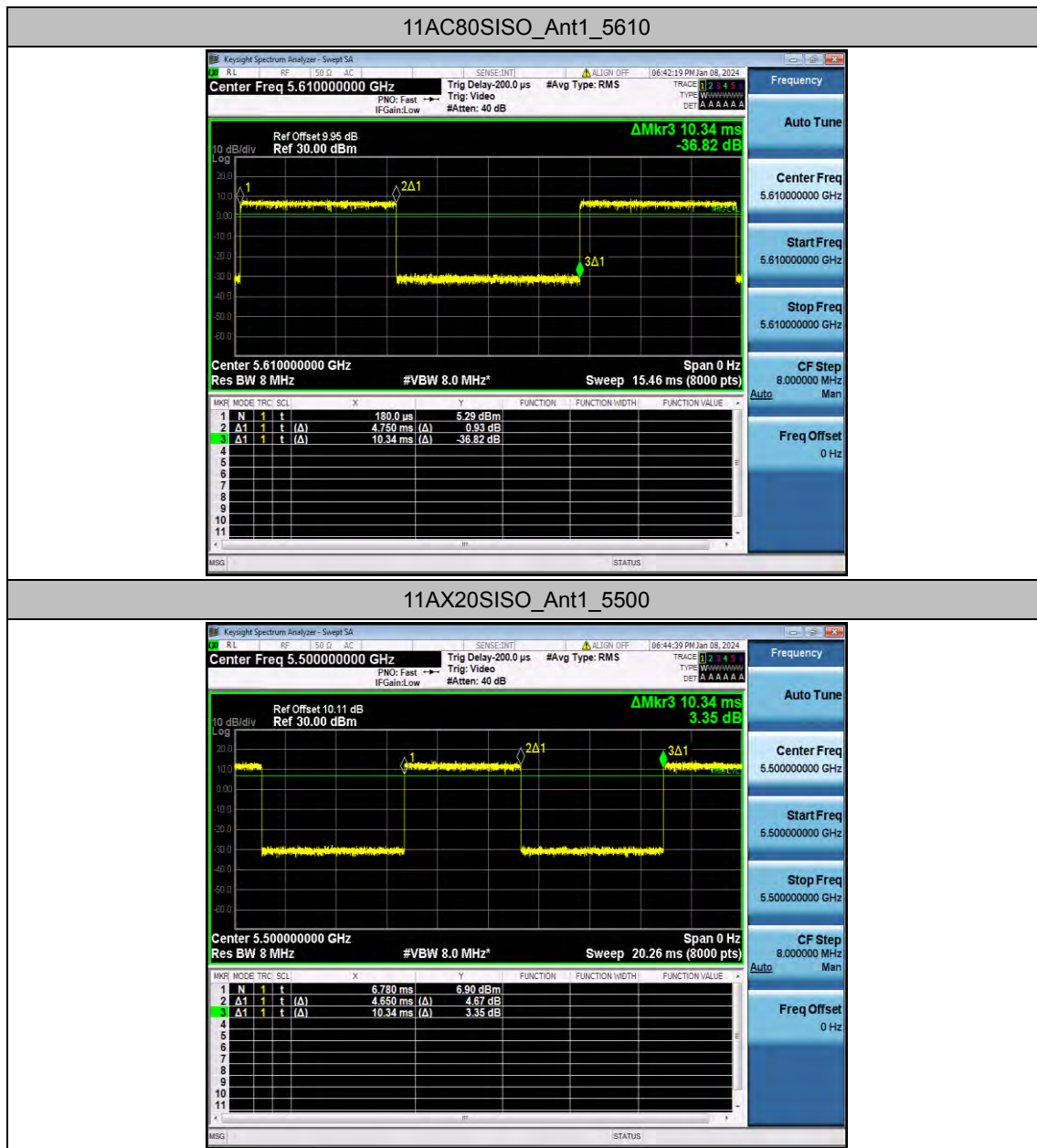


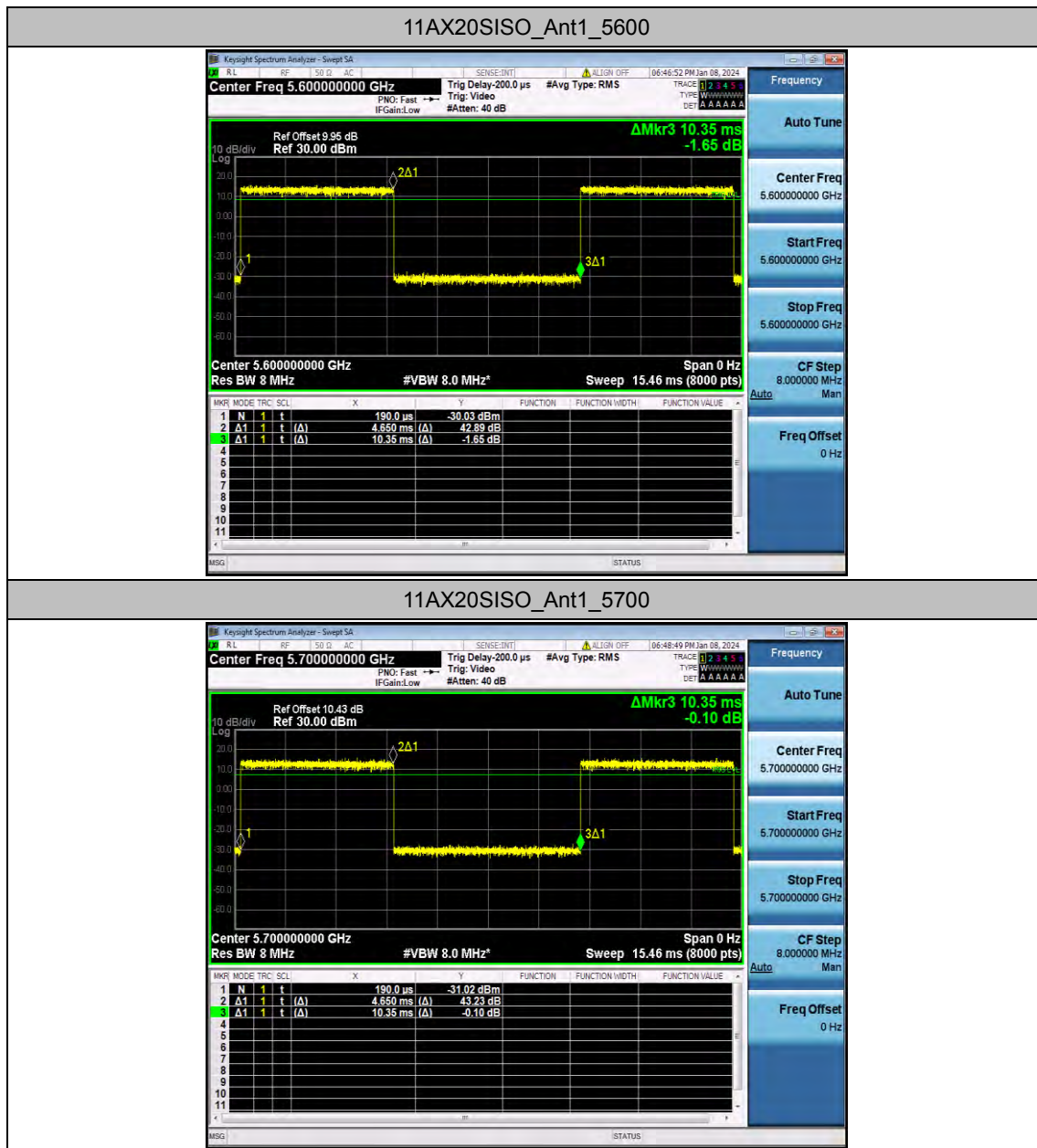


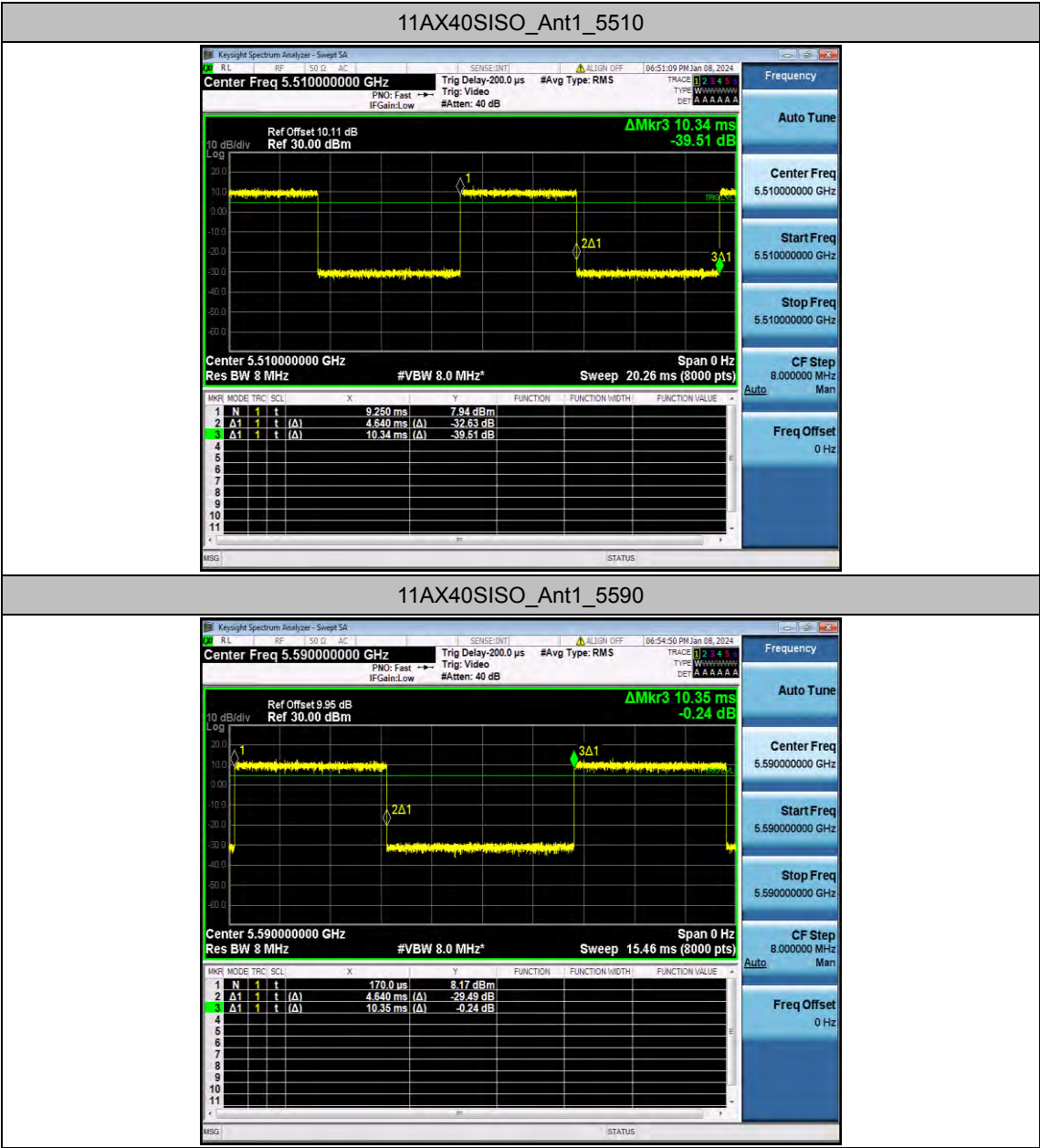


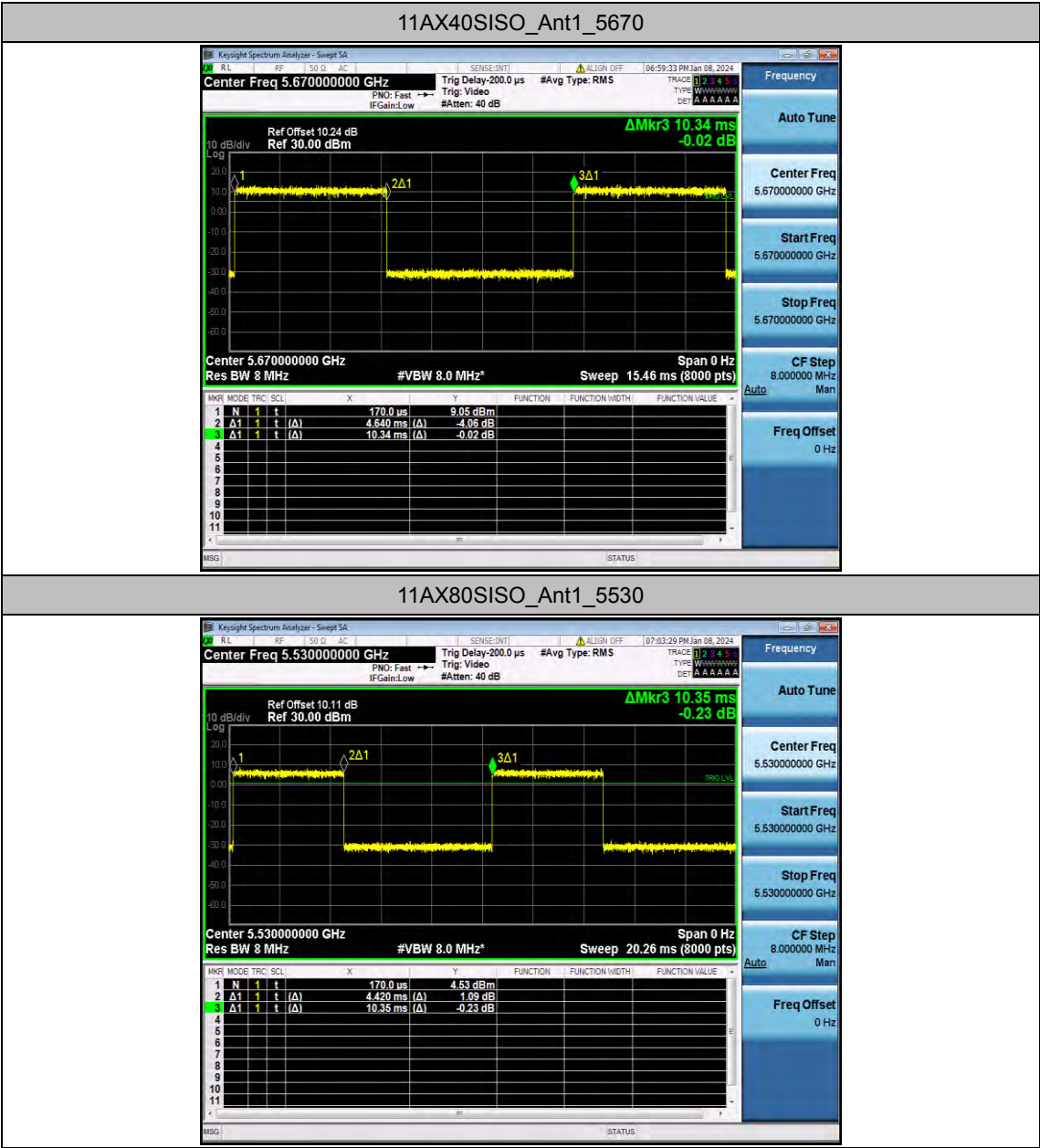


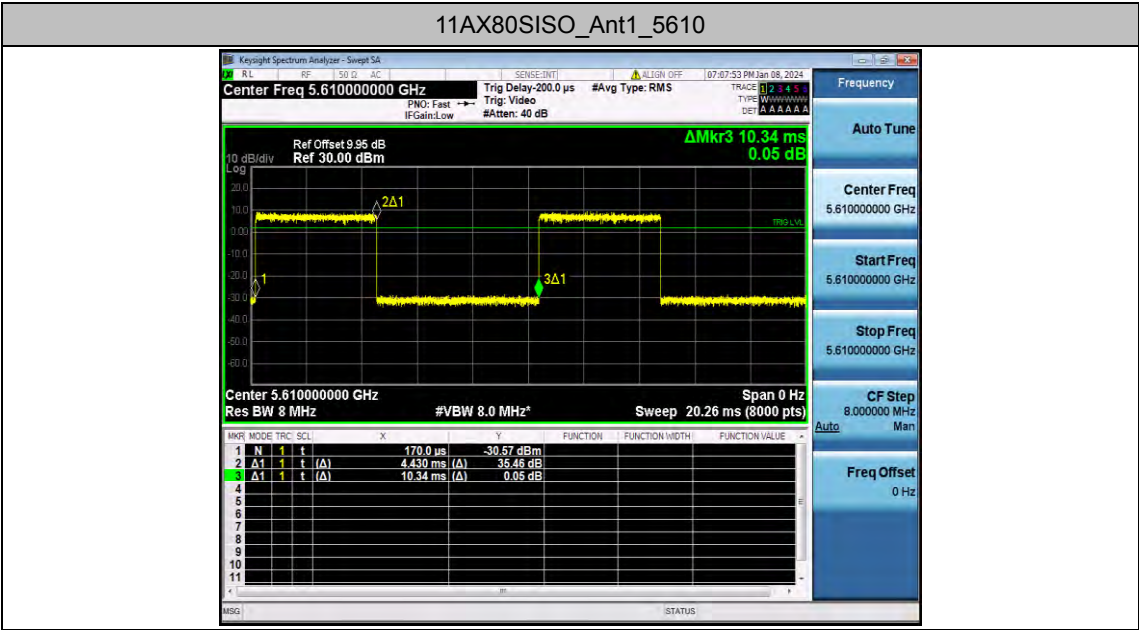












Appendix F.4: Maximum conducted output power

Test Result

Test Mode	Antenna	Freq(M Hz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	13.32	52.99	2.76	16.08	≤23.98	PASS
		5600	14.67	53.04	2.75	17.42	≤23.98	PASS
		5700	13.65	52.99	2.76	16.41	≤23.98	PASS
11N20S ISO	Ant1	5500	13.20	51.98	2.84	16.04	≤23.98	PASS
		5600	14.63	51.93	2.85	17.48	≤23.98	PASS
		5700	13.61	51.88	2.85	16.46	≤23.98	PASS
11N40S ISO	Ant1	5510	12.91	49.86	3.02	15.93	≤23.98	PASS
		5590	13.27	49.76	3.03	16.30	≤23.98	PASS
		5670	14.34	49.76	3.03	17.37	≤23.98	PASS
11AC20 SISO	Ant1	5500	12.96	51.98	2.84	15.80	≤23.98	PASS
		5600	14.53	51.98	2.84	17.37	≤23.98	PASS
		5700	13.66	52.08	2.83	16.49	≤23.98	PASS
11AC40 SISO	Ant1	5510	12.94	49.90	3.02	15.96	≤23.98	PASS
		5590	13.20	49.86	3.02	16.22	≤23.98	PASS
		5670	14.13	49.90	3.02	17.15	≤23.98	PASS
11AC80 SISO	Ant1	5530	11.41	45.94	3.38	14.79	≤23.98	PASS
		5610	12.58	45.94	3.38	15.96	≤23.98	PASS
11AX20 SISO	Ant1	5500	12.75	44.97	3.47	16.22	≤23.98	PASS
		5600	13.99	44.93	3.47	17.46	≤23.98	PASS
		5700	13.27	44.93	3.47	16.74	≤23.98	PASS
11AX40 SISO	Ant1	5510	12.83	44.87	3.48	16.31	≤23.98	PASS
		5590	13.02	44.83	3.48	16.50	≤23.98	PASS
		5670	13.89	44.87	3.48	17.37	≤23.98	PASS
11AX80 SISO	Ant1	5530	11.47	42.71	3.69	15.16	≤23.98	PASS
		5610	12.44	42.84	3.68	16.12	≤23.98	PASS

Note: The Duty Cycle Factor is compensated in the graph.

Appendix F.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5500	7.04	≤11.00	PASS
		5600	8.37	≤11.00	PASS
		5700	7.76	≤11.00	PASS
11N20SISO	Ant1	5500	6.78	≤11.00	PASS
		5600	8.25	≤11.00	PASS
		5700	7.57	≤11.00	PASS
11N40SISO	Ant1	5510	4.30	≤11.00	PASS
		5590	4.63	≤11.00	PASS
		5670	5.51	≤11.00	PASS
11AC20SISO	Ant1	5500	6.64	≤11.00	PASS
		5600	8.21	≤11.00	PASS
		5700	7.57	≤11.00	PASS
11AC40SISO	Ant1	5510	4.47	≤11.00	PASS
		5590	4.70	≤11.00	PASS
		5670	5.38	≤11.00	PASS
11AC80SISO	Ant1	5530	1.35	≤11.00	PASS
		5610	2.20	≤11.00	PASS
11AX20SISO	Ant1	5500	7.01	≤11.00	PASS
		5600	8.62	≤11.00	PASS
		5700	8.03	≤11.00	PASS
11AX40SISO	Ant1	5510	5.00	≤11.00	PASS
		5590	5.20	≤11.00	PASS
		5670	5.78	≤11.00	PASS
11AX80SISO	Ant1	5530	1.59	≤11.00	PASS
		5610	2.46	≤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.

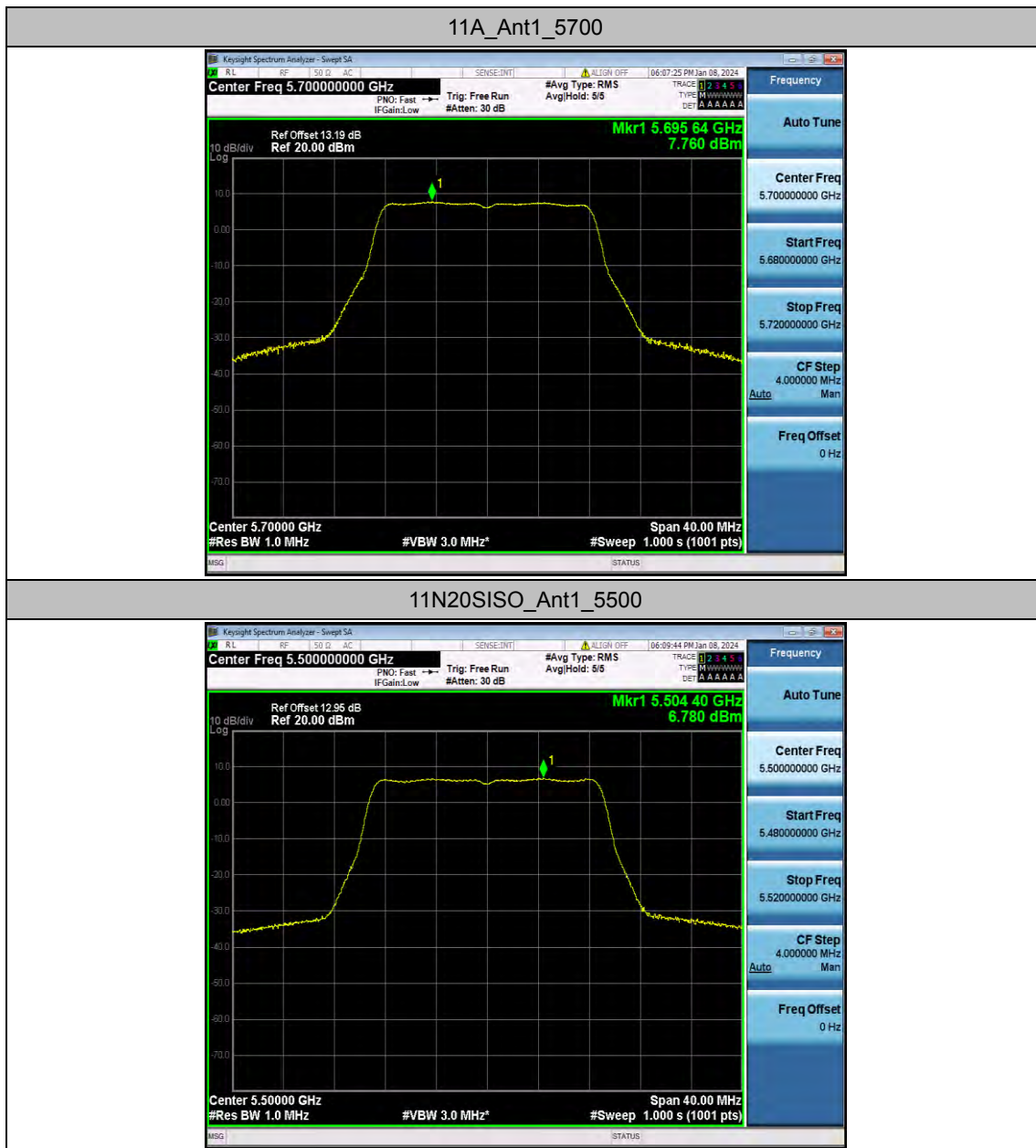
Test Graphs

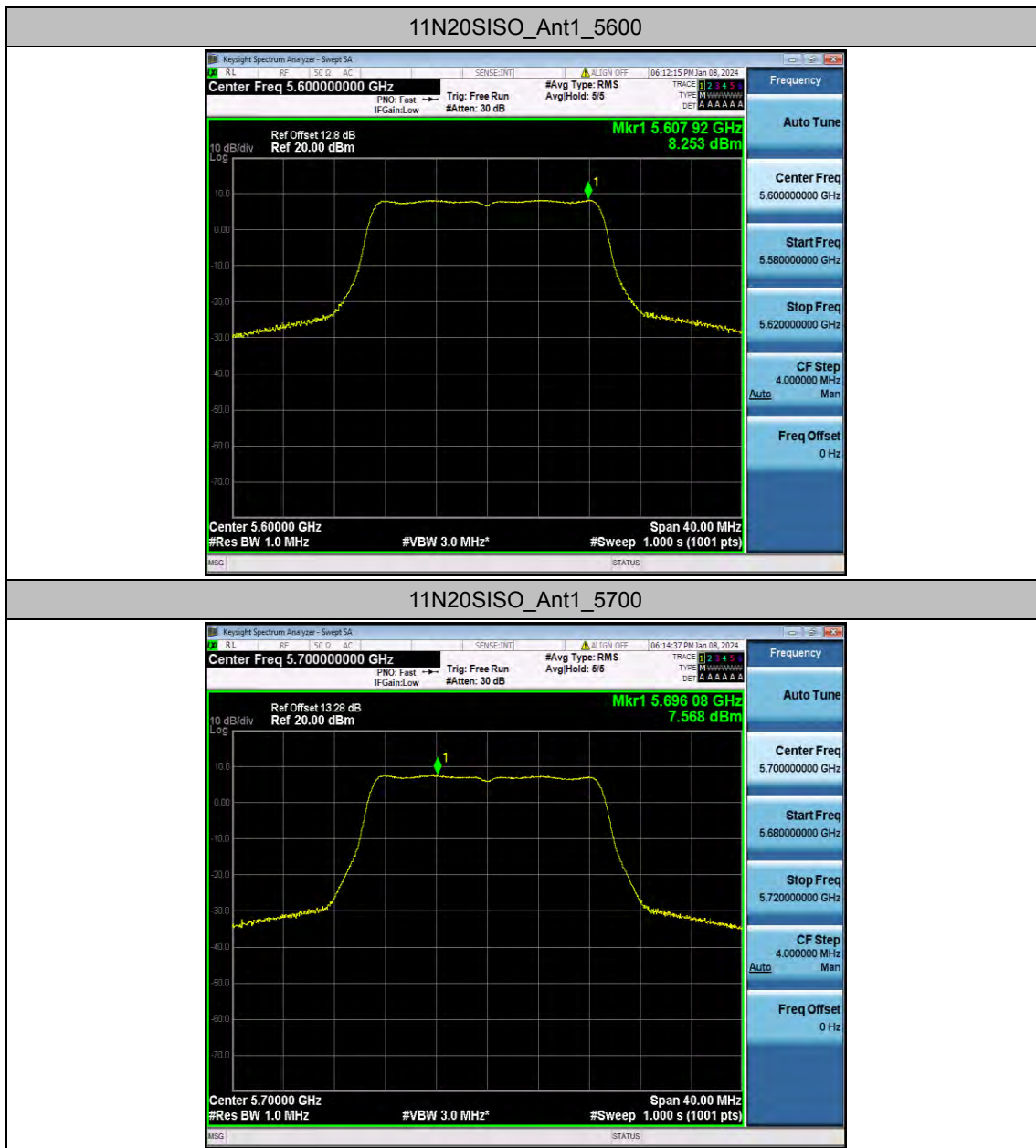
11A_Ant1_5500



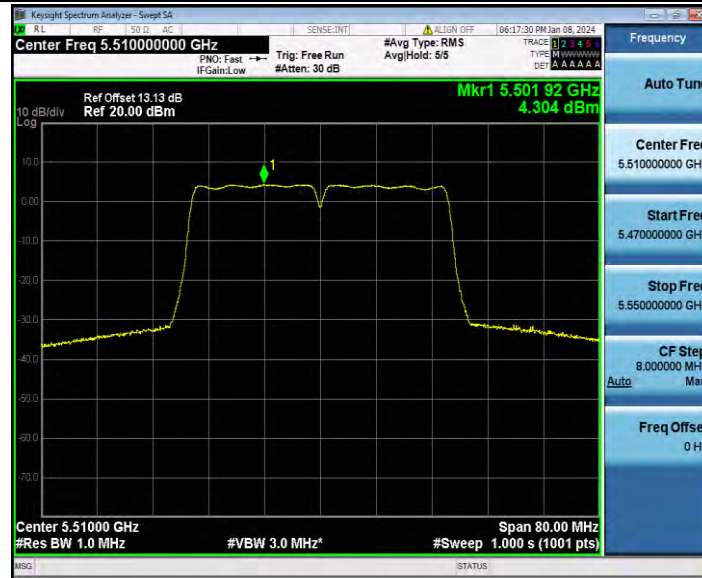
11A_Ant1_5600





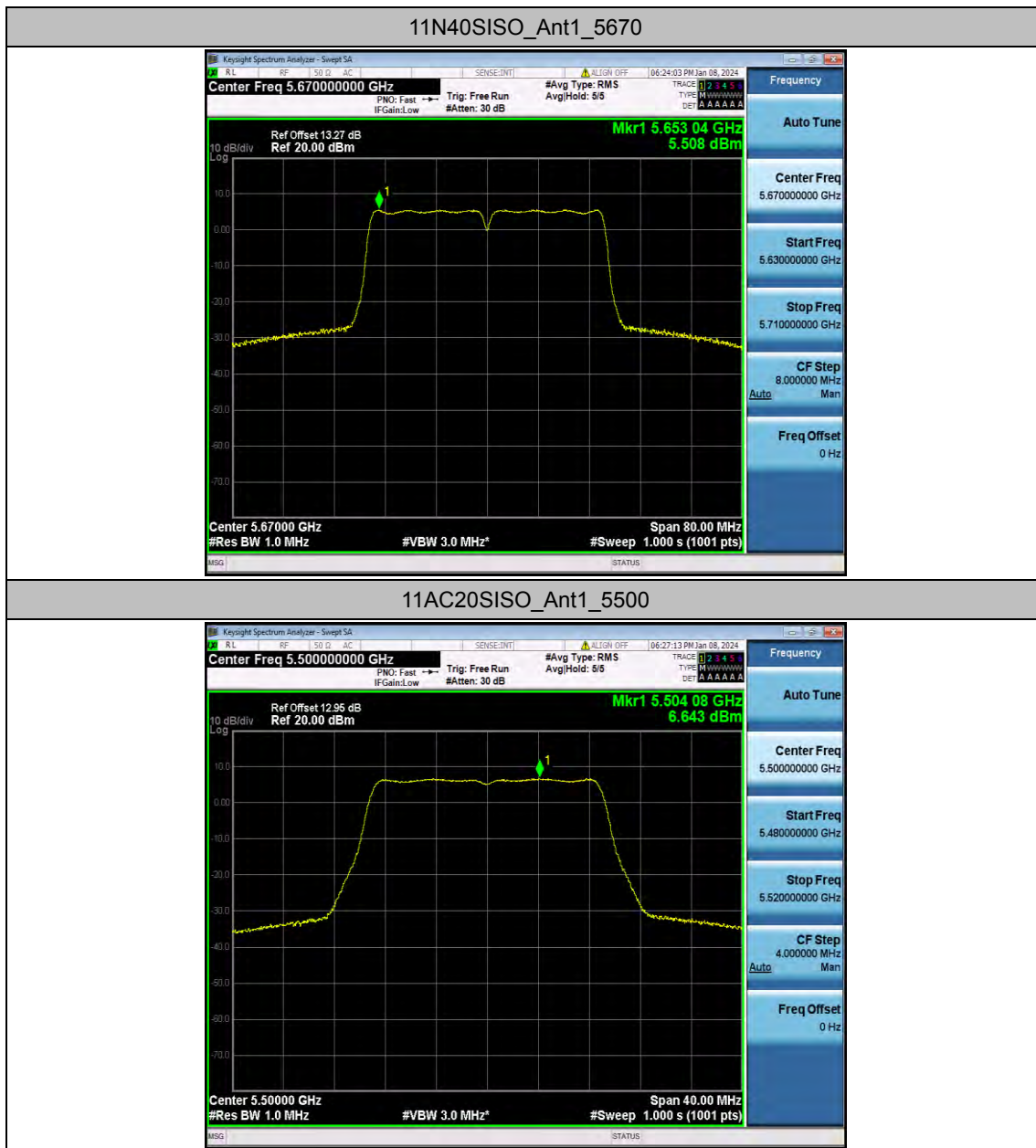


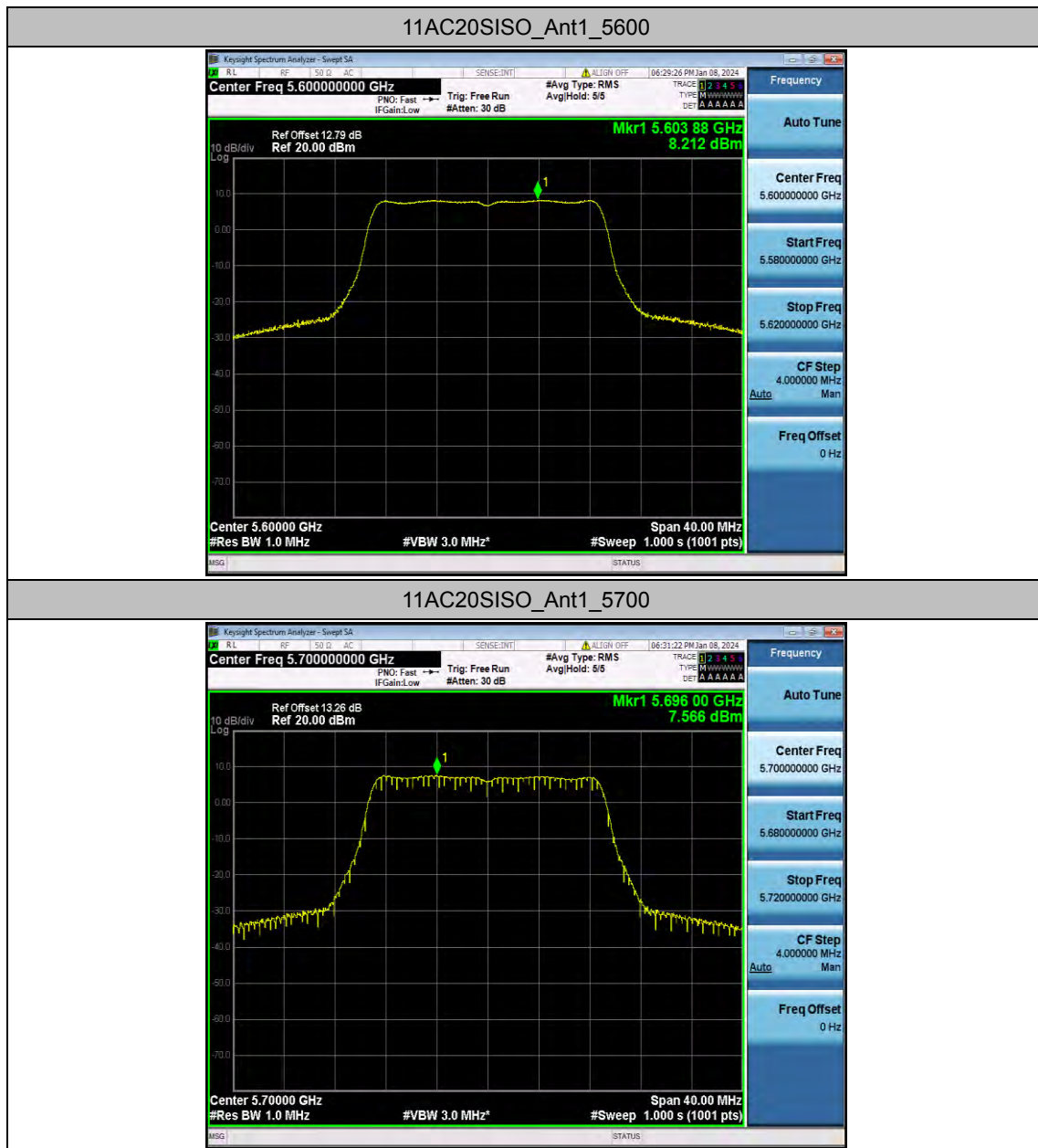
11N40SISO_Ant1_5510



11N40SISO_Ant1_5590







11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590







