

Case No. : <u>GTS20250603010-2-06</u>	
Ambient Condition: <u>23</u> °C, <u>52</u> %RH	
According Standard: <u>■Part15E</u>	
Test Date: <u>2025.7.17-2025.8.7</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	24.800	5487.400	5512.200	---	---
		5580	25.160	5566.880	5592.040	---	---
		5700	27.400	5687.080	5714.480	---	---
11N20SISO	Ant1	5500	26.120	5486.800	5512.920	---	---
		5580	26.680	5566.160	5592.840	---	---
		5700	31.400	5685.520	5716.920	---	---
11N40SISO	Ant1	5510	47.200	5486.480	5533.680	---	---
		5590	46.240	5566.880	5613.120	---	---
		5670	47.520	5646.640	5694.160	---	---
11AC20SISO	Ant1	5500	26.760	5486.200	5512.960	---	---
		5580	26.600	5566.600	5593.200	---	---
		5700	30.800	5685.080	5715.880	---	---
11AC40SISO	Ant1	5510	46.720	5486.400	5533.120	---	---
		5590	48.560	5565.120	5613.680	---	---
		5670	48.320	5646.160	5694.480	---	---
11AC80SISO	Ant1	5530	97.280	5476.720	5574.000	---	---
		5610	117.280	5555.280	5672.560	---	---
11AX20SISO	Ant1	5500	24.960	5487.560	5512.520	---	---
		5580	25.240	5567.120	5592.360	---	---
		5700	27.000	5686.280	5713.280	---	---
11AX40SISO	Ant1	5510	45.600	5487.120	5532.720	---	---
		5590	45.280	5567.360	5612.640	---	---
		5670	45.680	5647.360	5693.040	---	---
11AX80SISO	Ant1	5530	88.800	5484.720	5573.520	---	---
		5610	90.400	5564.560	5654.960	---	---

Test Graphs

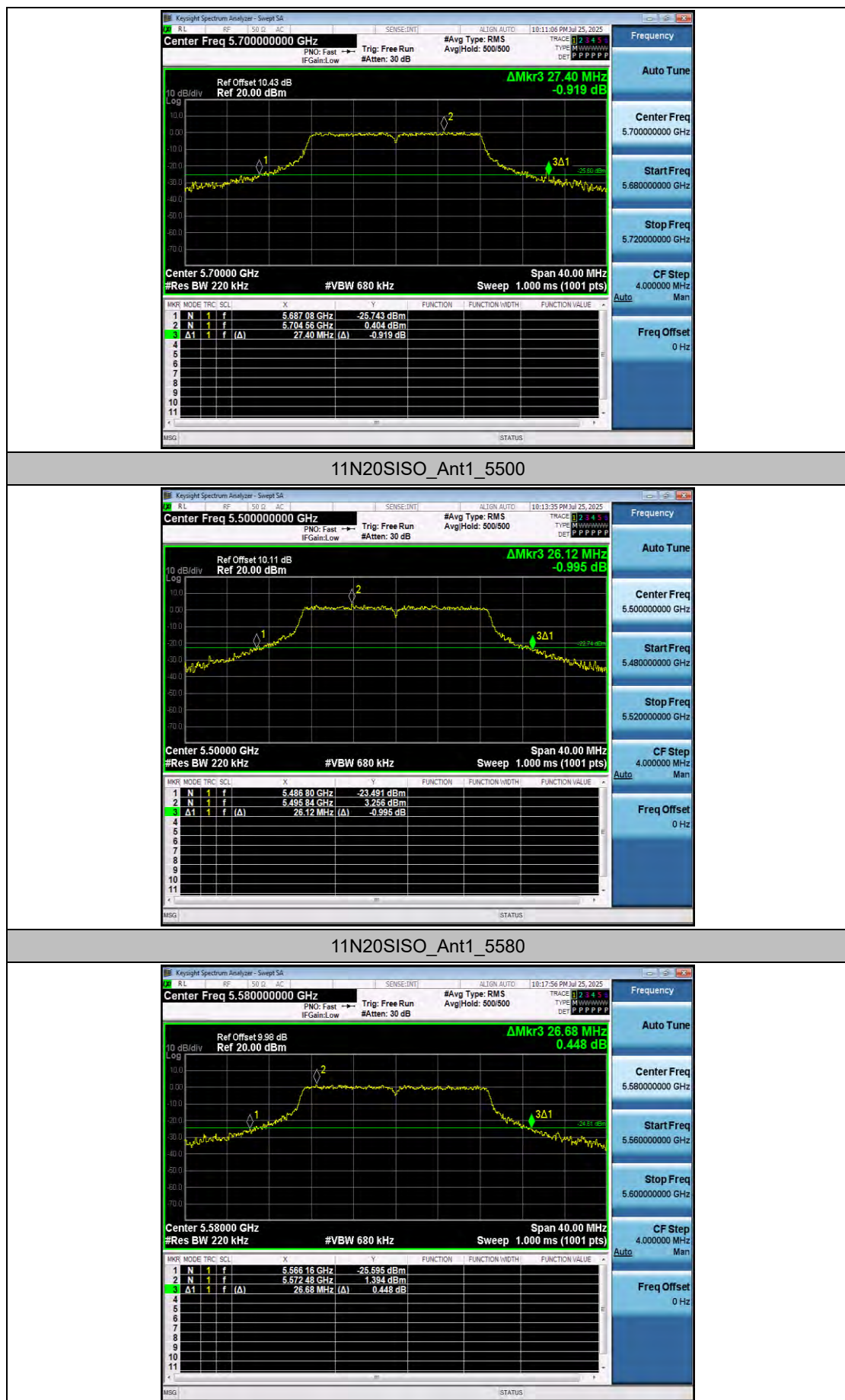
11A_Ant1_5500



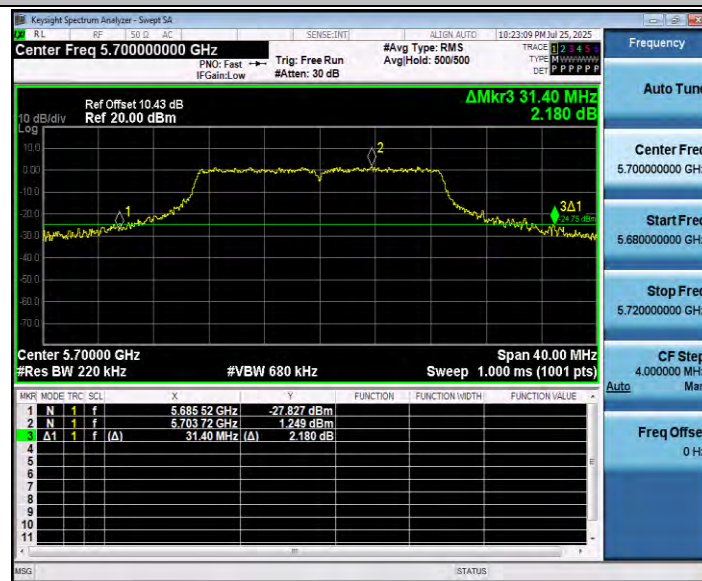
11A_Ant1_5580



11A_Ant1_5700



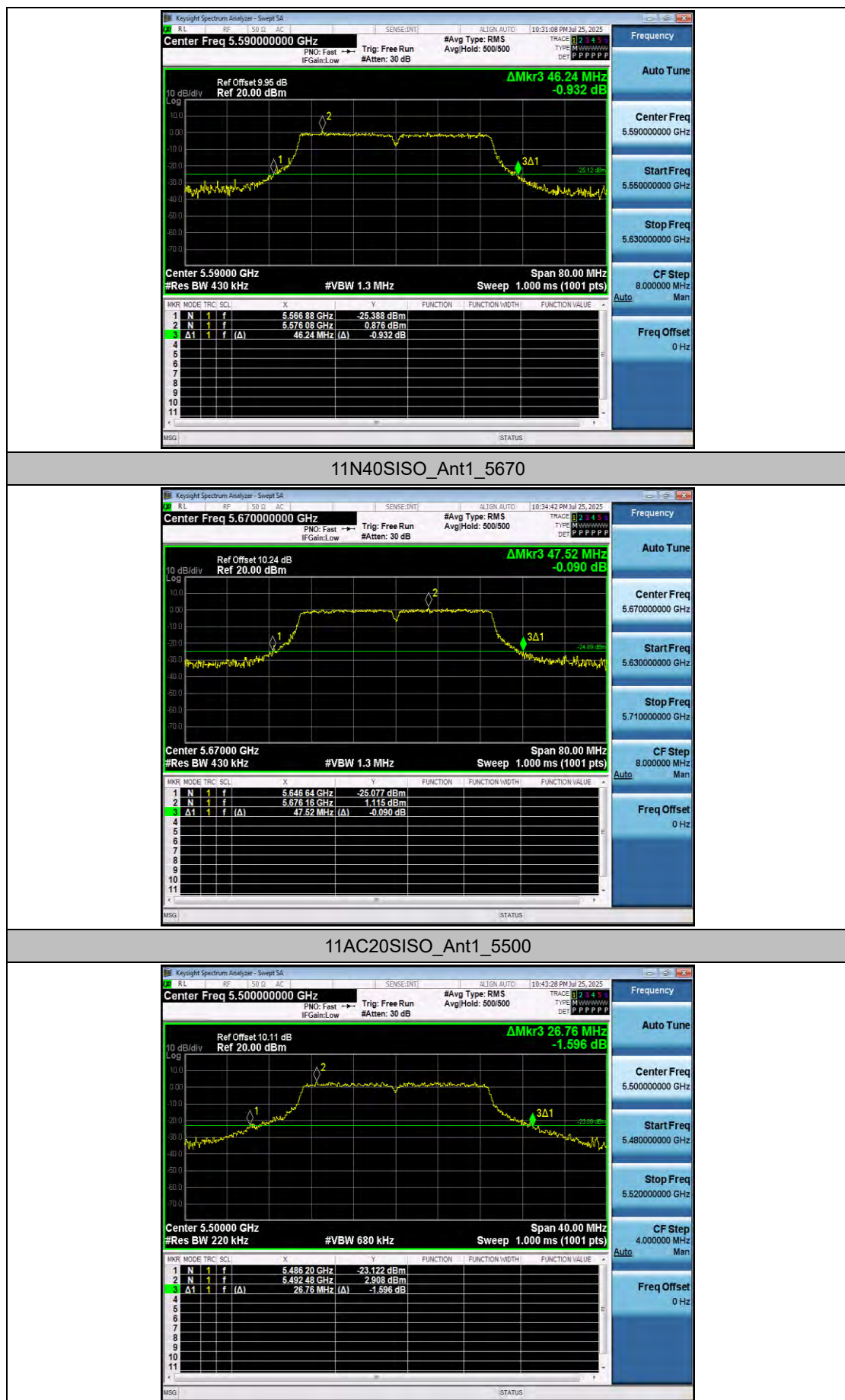
11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



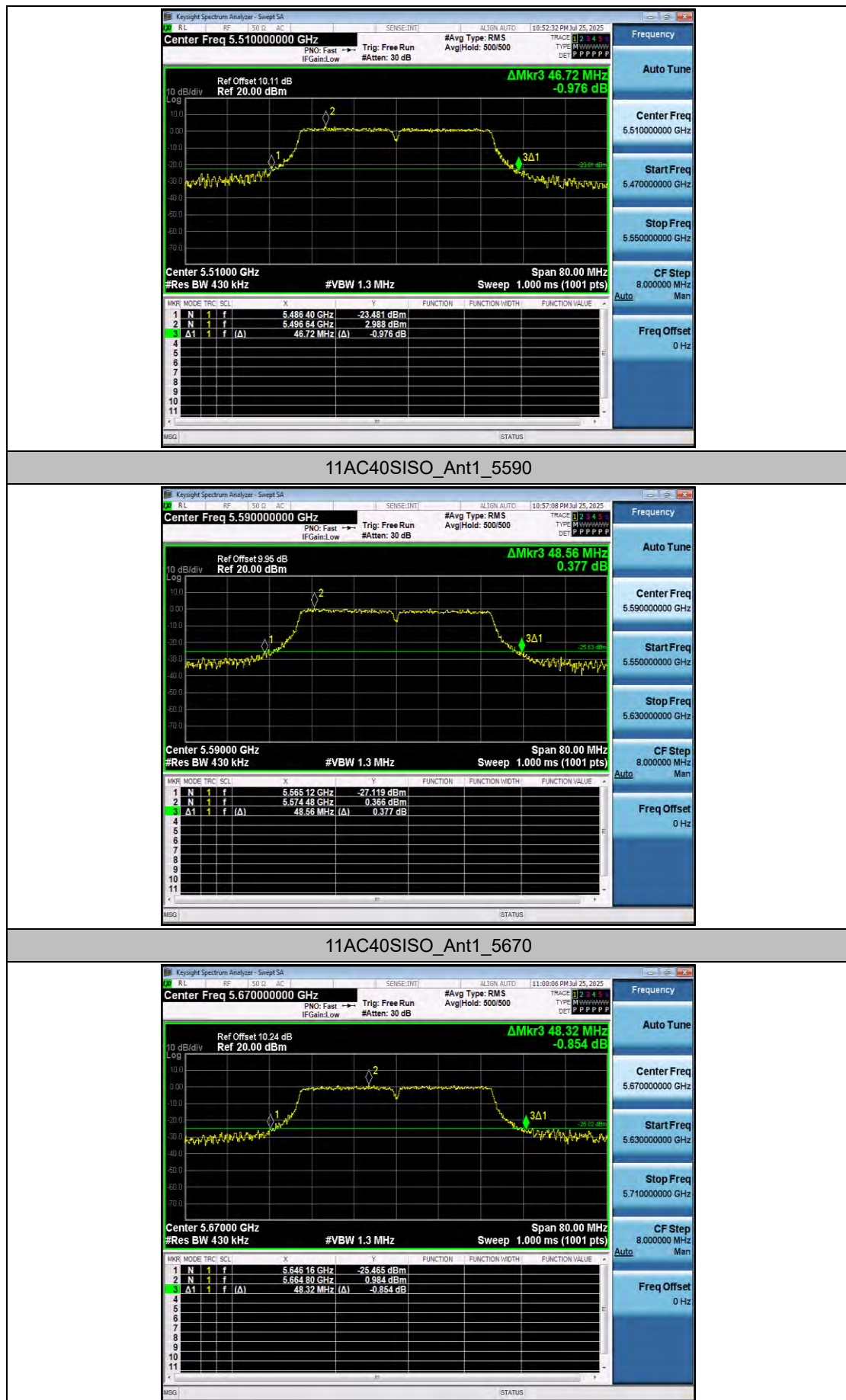
11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



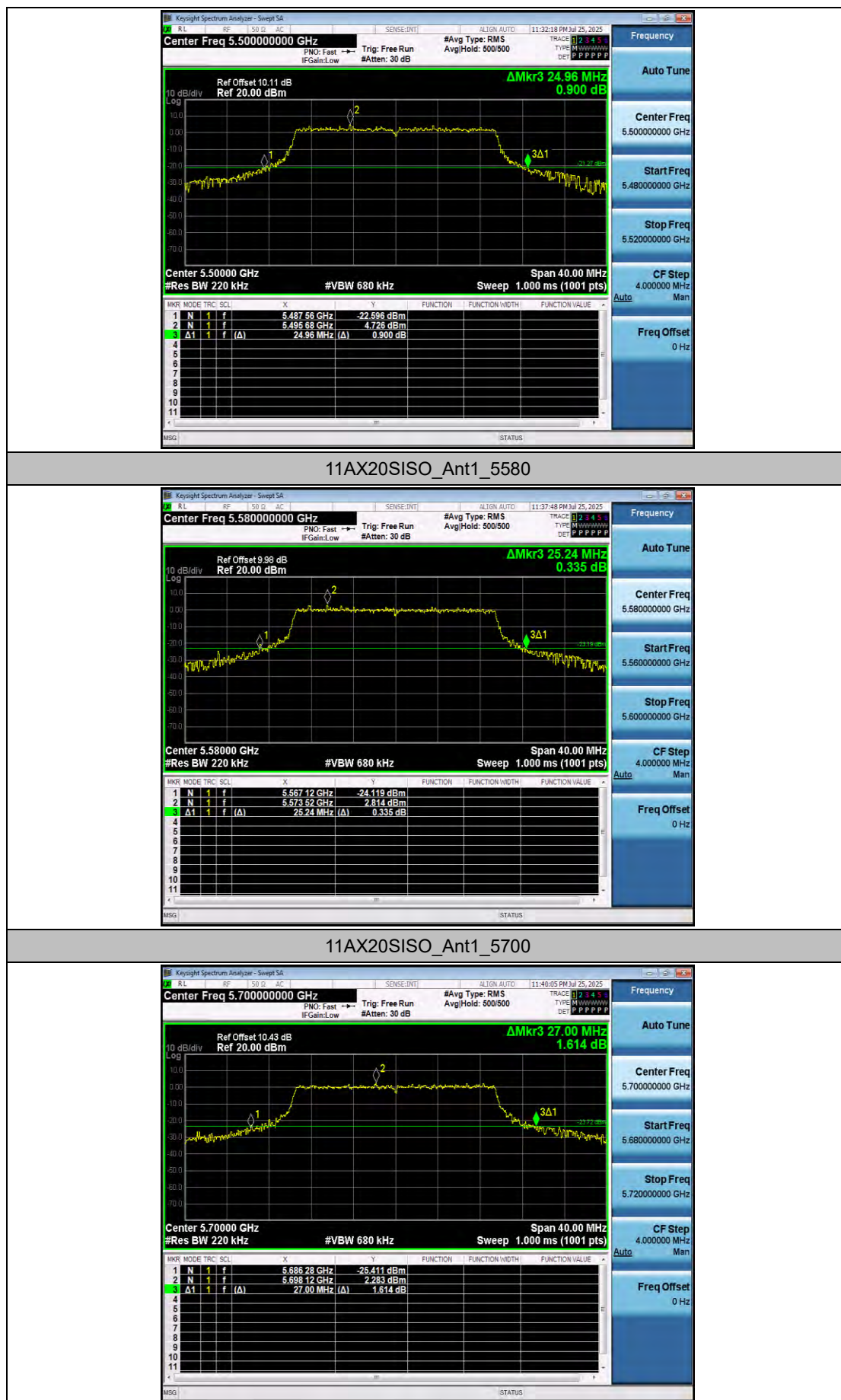
11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



11AX20SISO_Ant1_5500



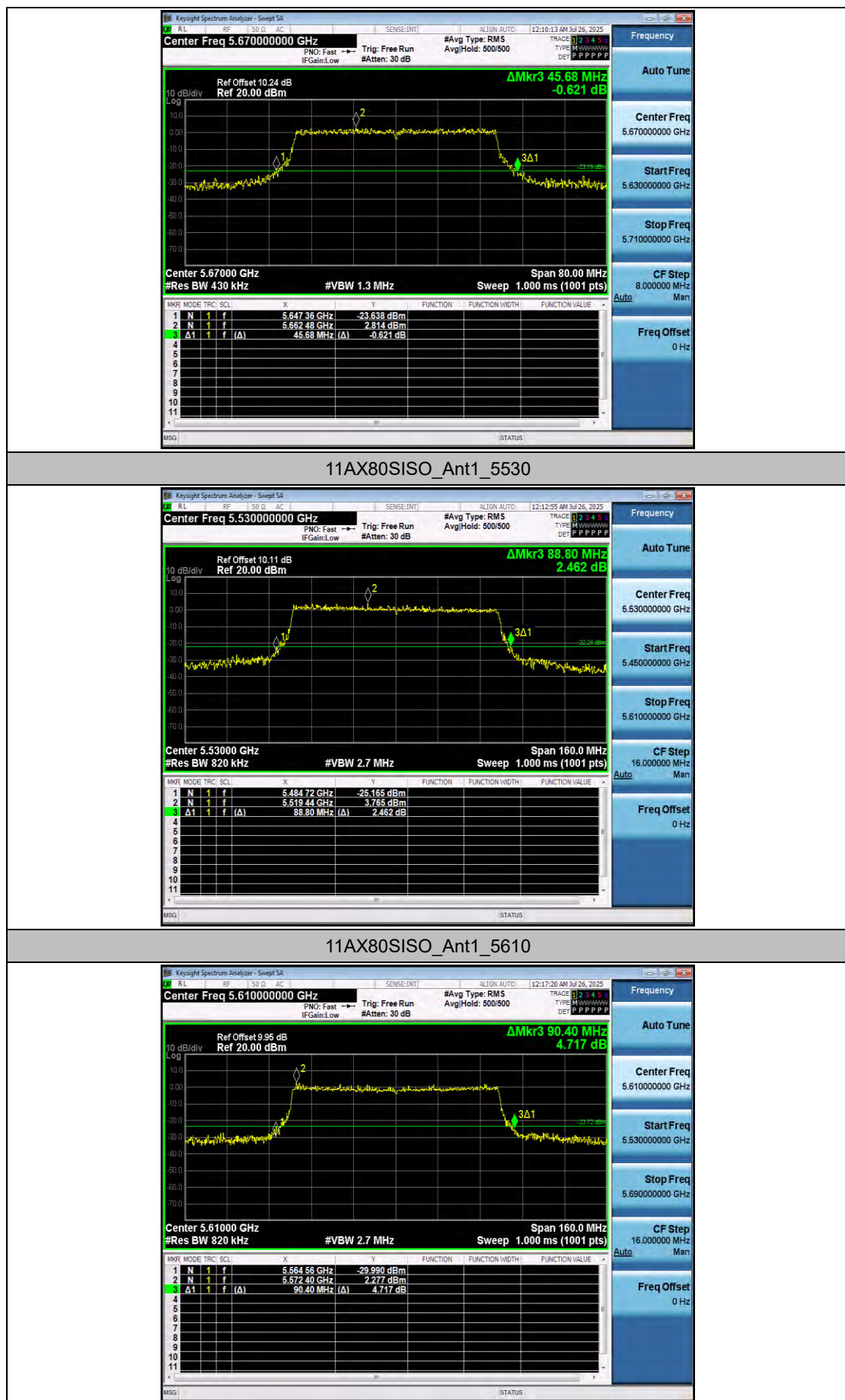
11AX40SISO_Ant1_5510



11AX40SISO_Ant1_5590



11AX40SISO_Ant1_5670

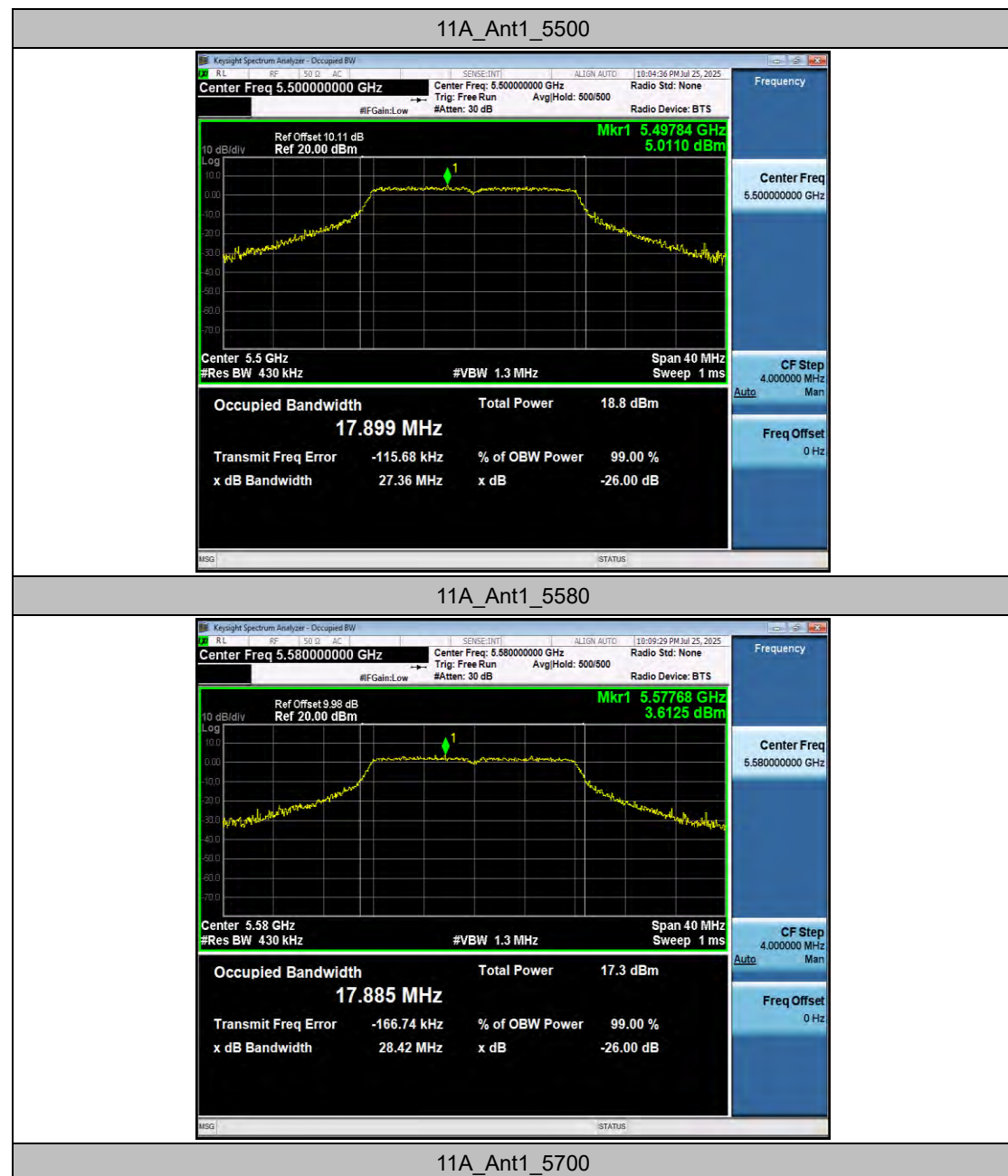


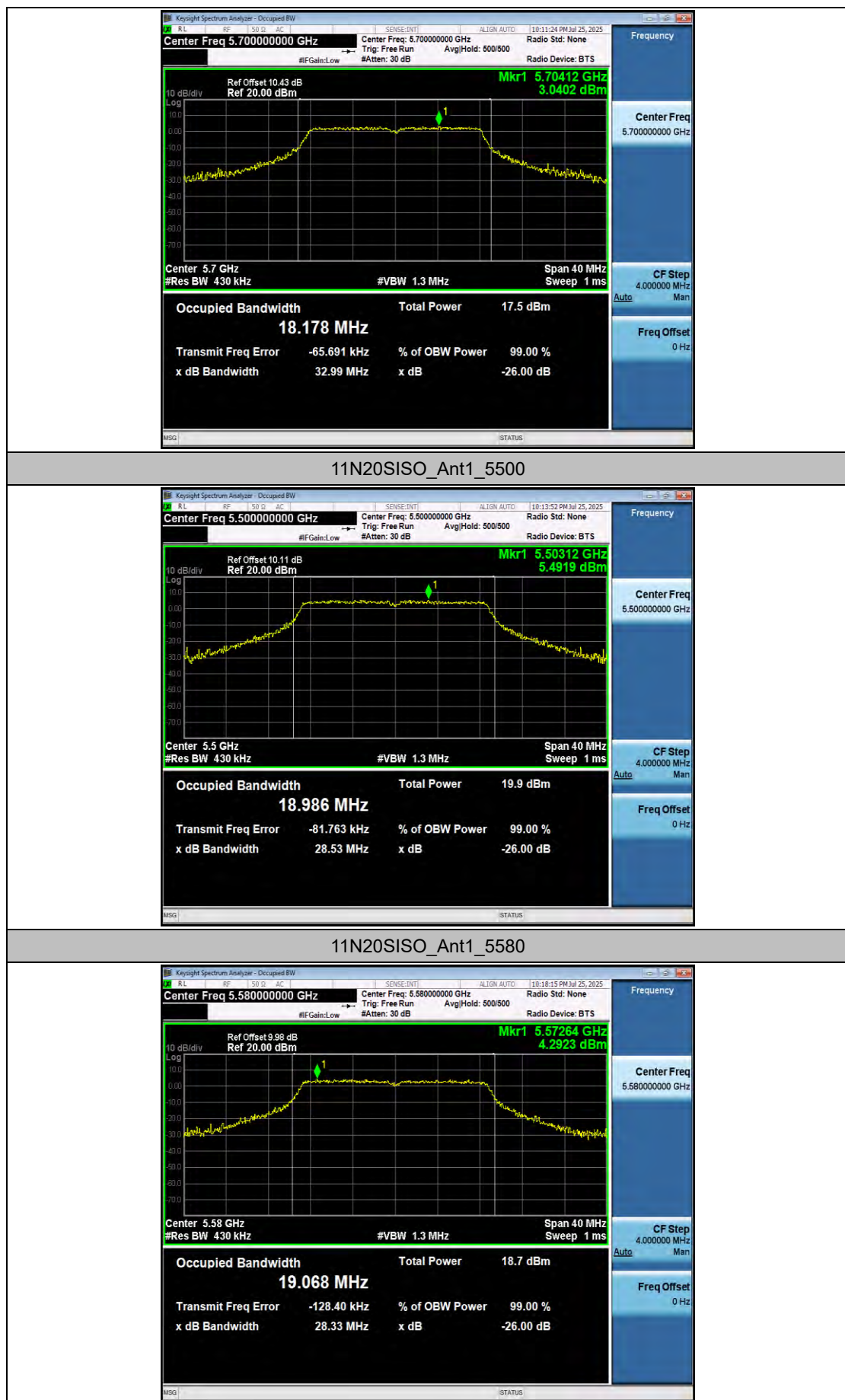
Appendix F.2: Occupied channel bandwidth

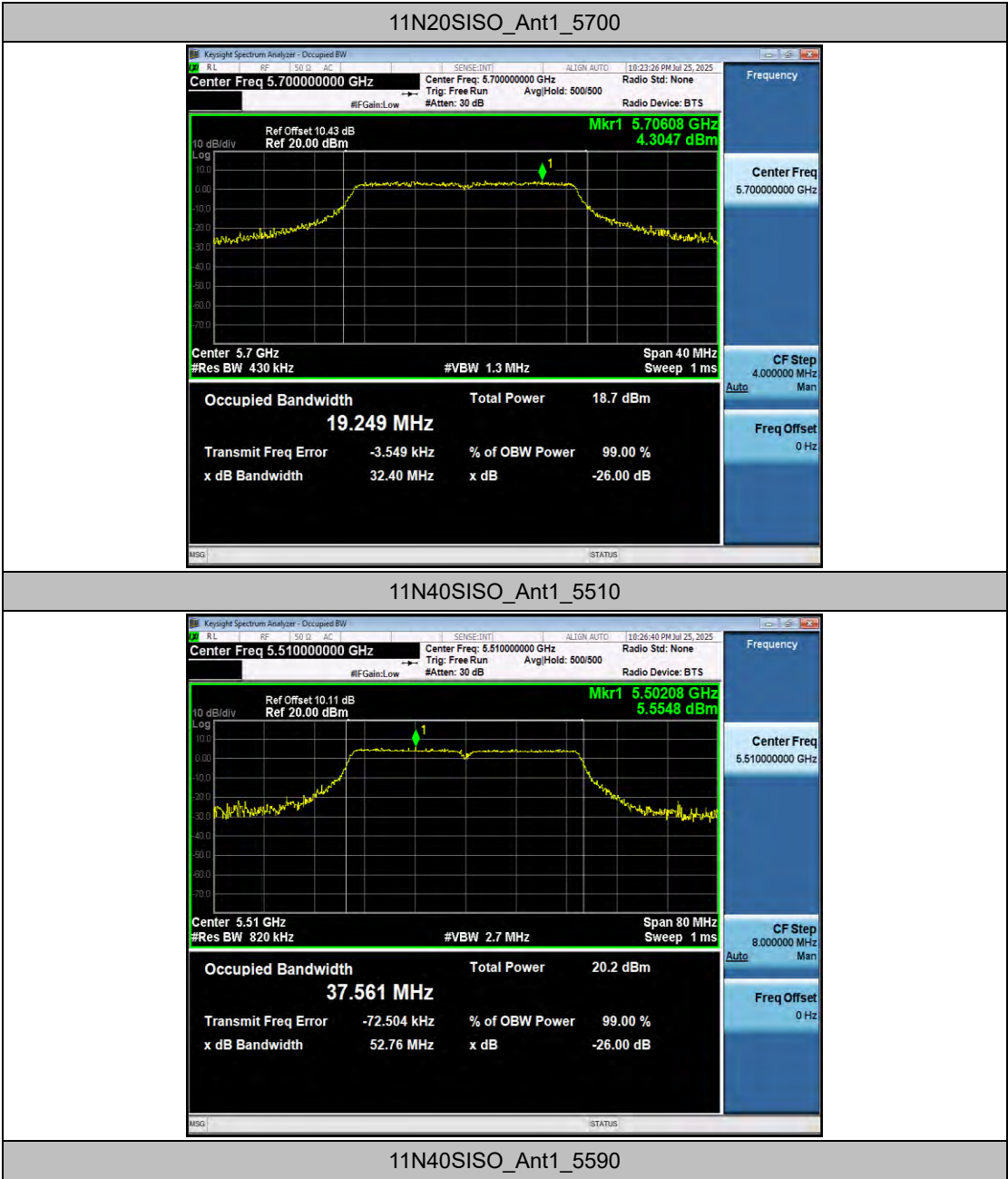
Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	17.899	5490.9348	5508.8338	---	---
		5580	17.885	5570.8908	5588.7758	---	---
		5700	18.178	5690.8453	5709.0233	---	---
11N20SISO	Ant1	5500	18.986	5490.4252	5509.4112	---	---
		5580	19.068	5570.3376	5589.4056	---	---
		5700	19.249	5690.3720	5709.6210	---	---
11N40SISO	Ant1	5510	37.561	5491.1470	5528.7080	---	---
		5590	37.630	5571.0391	5608.6691	---	---
		5670	37.655	5651.2151	5688.8701	---	---
11AC20SISO	Ant1	5500	18.988	5490.4800	5509.4680	---	---
		5580	19.027	5570.3571	5589.3841	---	---
		5700	19.178	5690.4040	5709.5820	---	---
11AC40SISO	Ant1	5510	37.663	5491.0474	5528.7104	---	---
		5590	37.613	5571.0625	5608.6755	---	---
		5670	37.692	5651.1785	5688.8705	---	---
11AC80SISO	Ant1	5530	77.001	5491.1670	5568.1680	---	---
		5610	77.829	5570.9460	5648.7750	---	---
11AX20SISO	Ant1	5500	19.714	5490.1335	5509.8475	---	---
		5580	19.642	5570.1482	5589.7902	---	---
		5700	19.847	5690.0979	5709.9449	---	---
11AX40SISO	Ant1	5510	38.561	5490.6836	5529.2446	---	---
		5590	38.643	5570.6012	5609.2442	---	---
		5670	38.531	5650.7491	5689.2801	---	---
11AX80SISO	Ant1	5530	78.273	5490.6988	5568.9718	---	---
		5610	78.666	5570.6555	5649.3215	---	---

Test Graphs

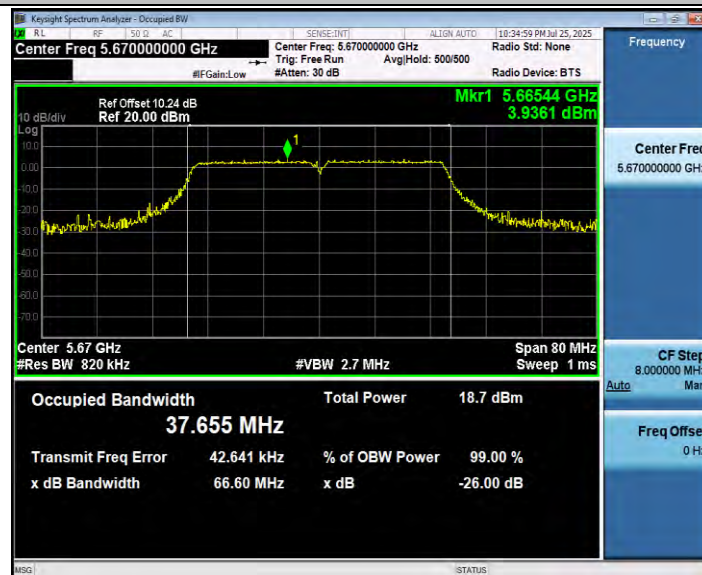




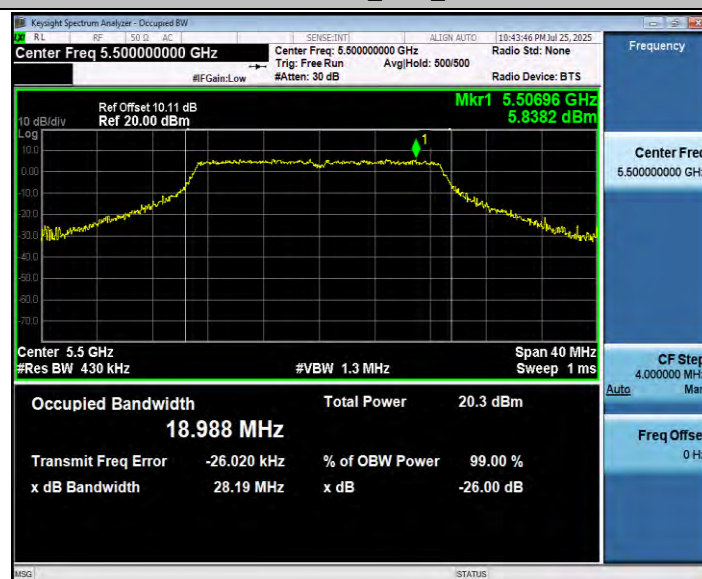


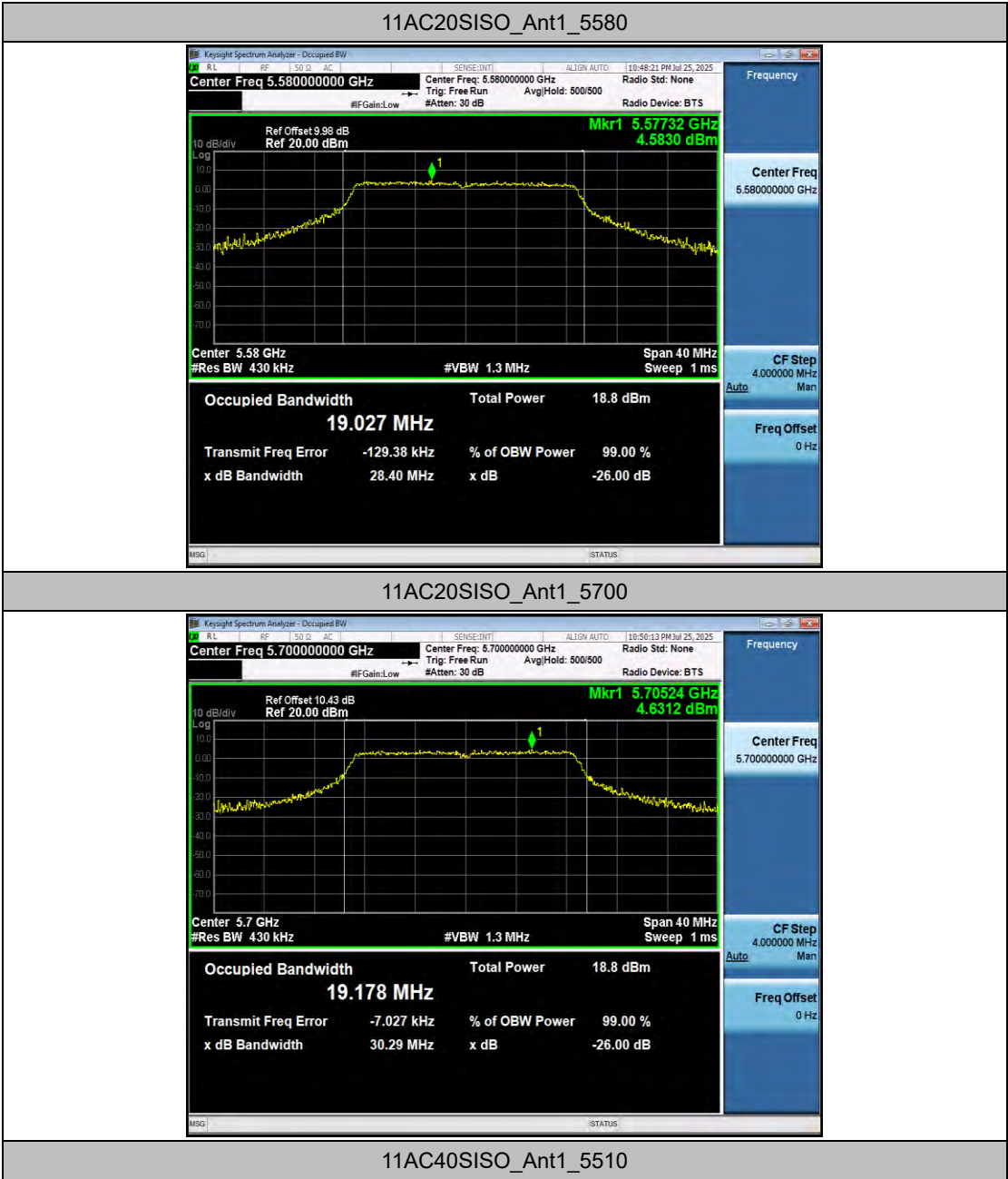


11N40SISO_Ant1_5670

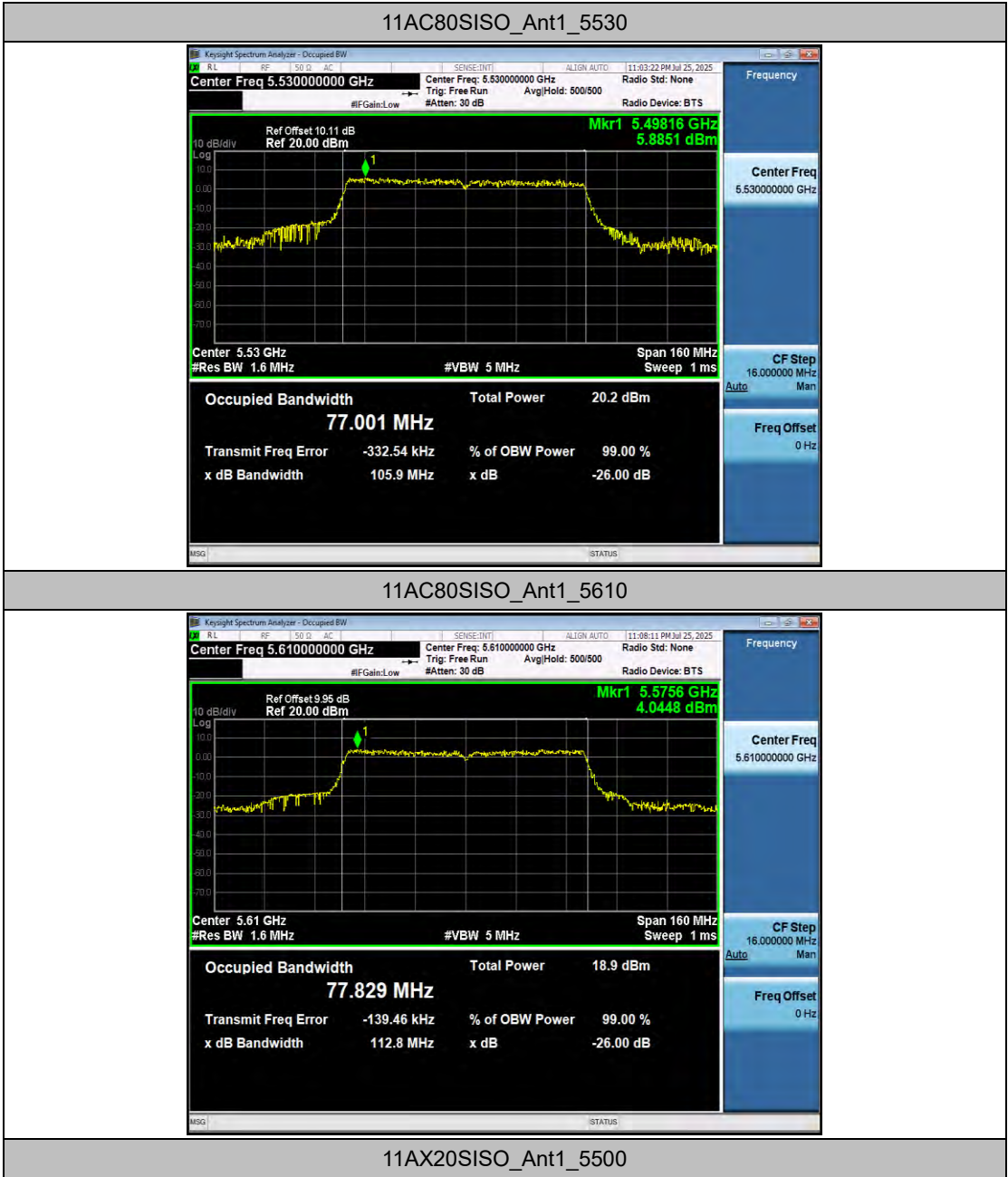


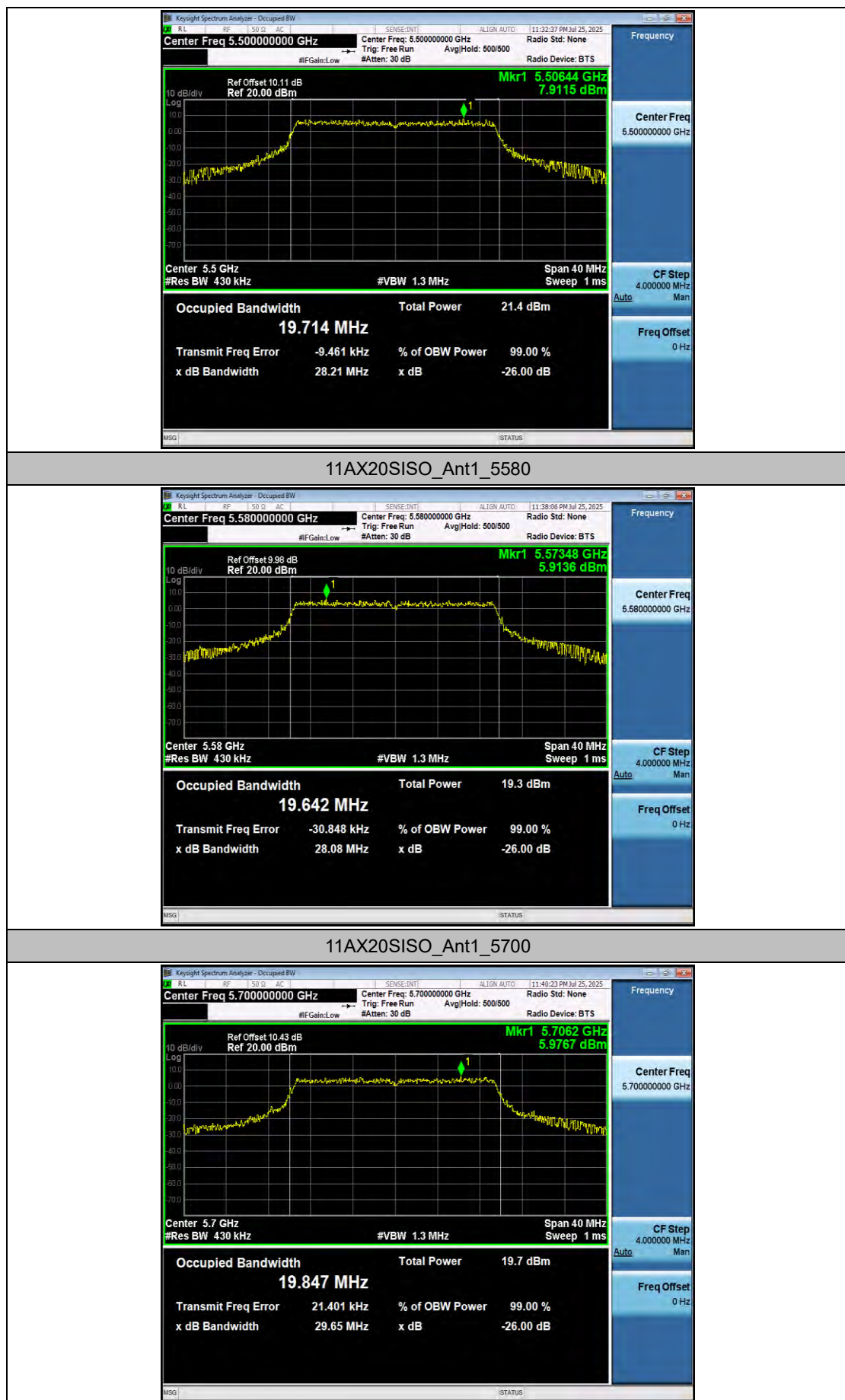
11AC20SISO_Ant1_5500



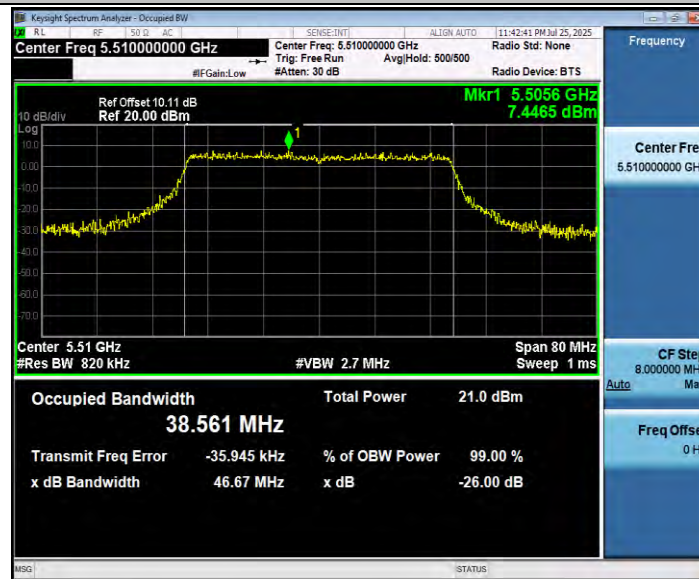




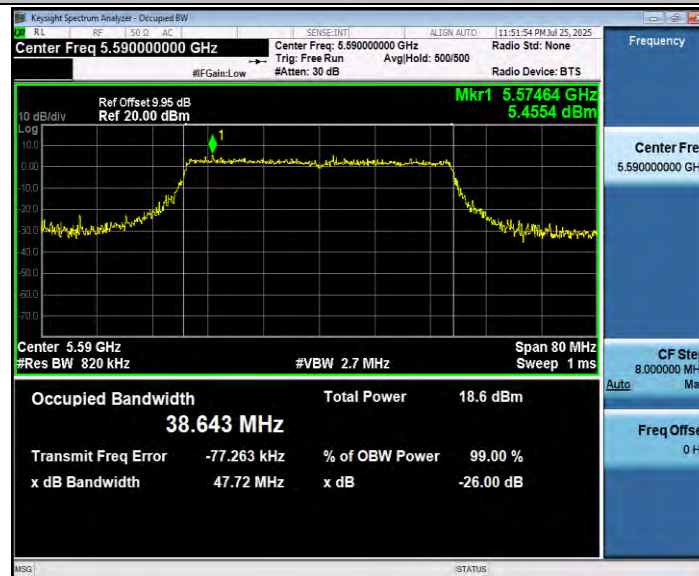




11AX40SISO_Ant1_5510



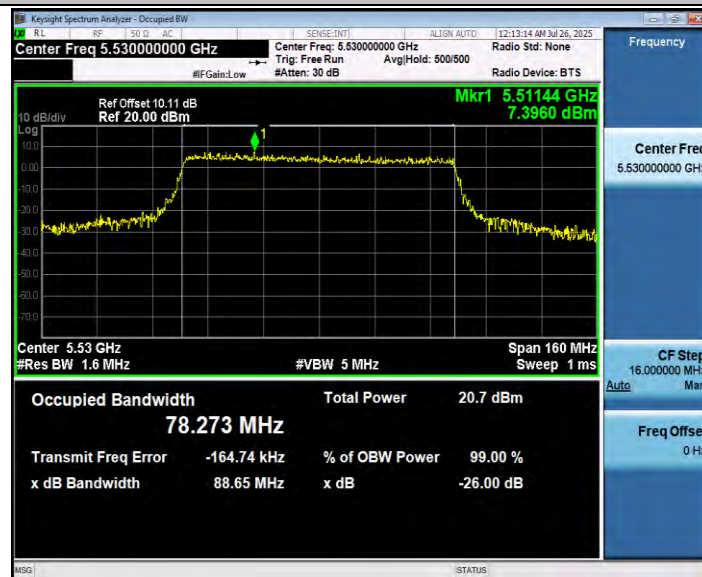
11AX40SISO_Ant1_5590



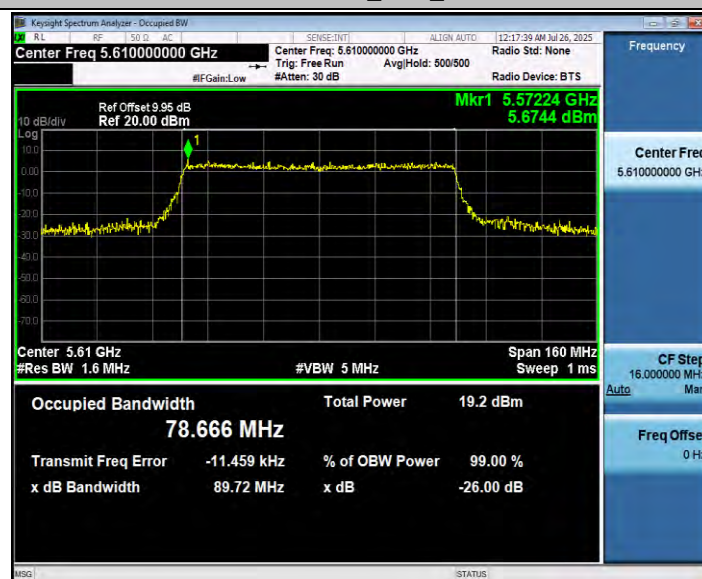
11AX40SISO_Ant1_5670



11AX80ISO_Ant1_5530



11AX80ISO_Ant1_5610

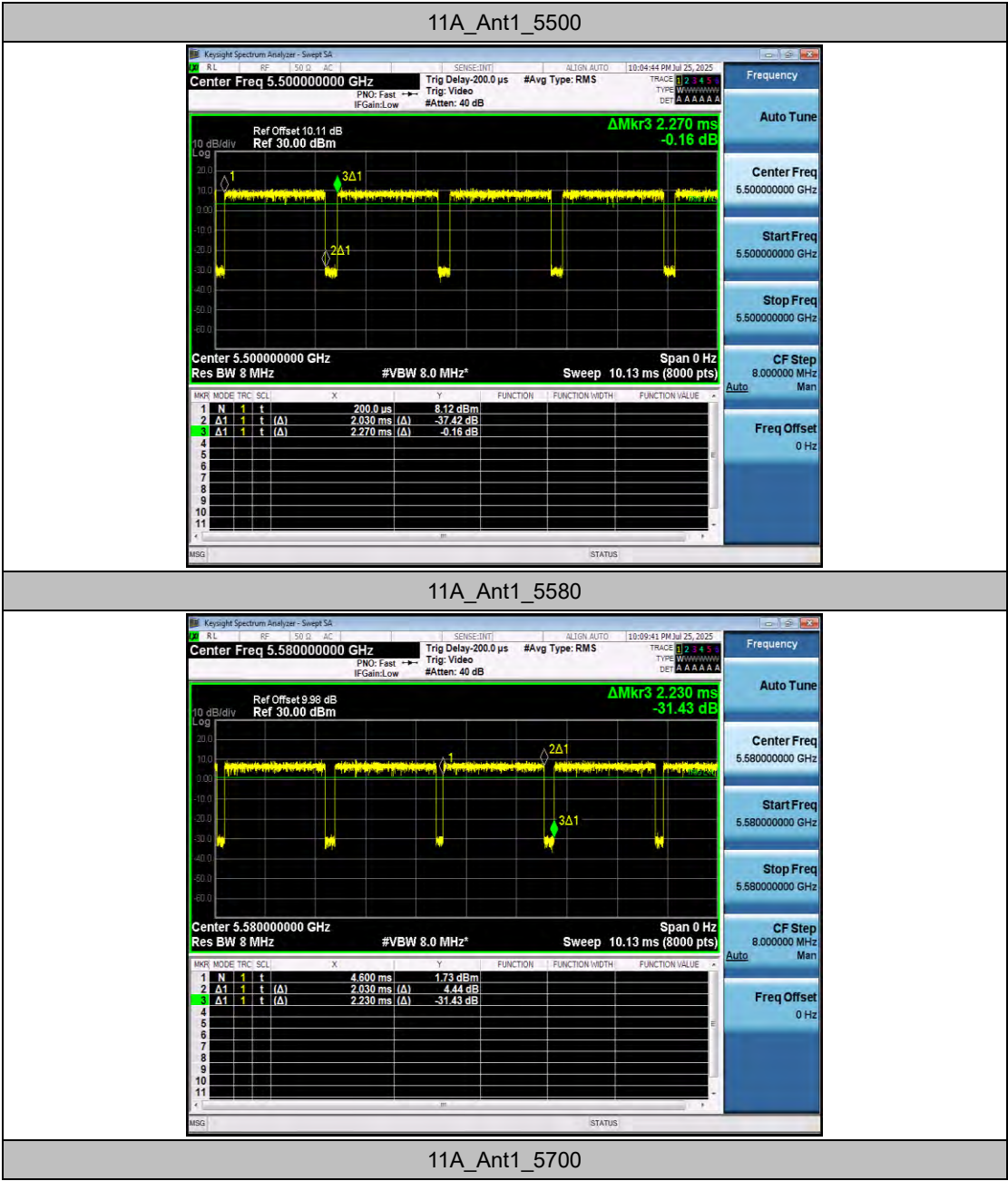


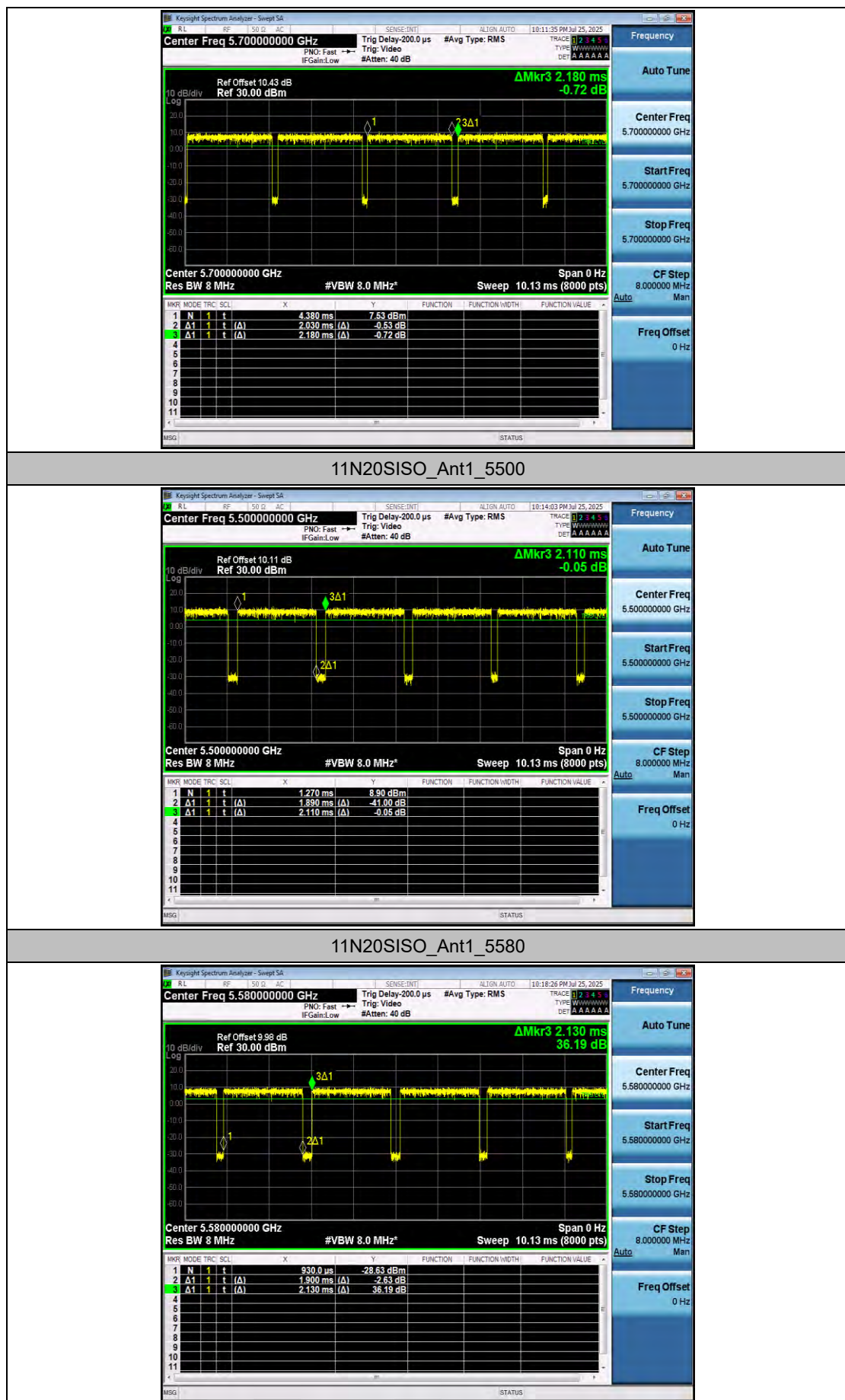
Appendix F.3: Duty Cycle

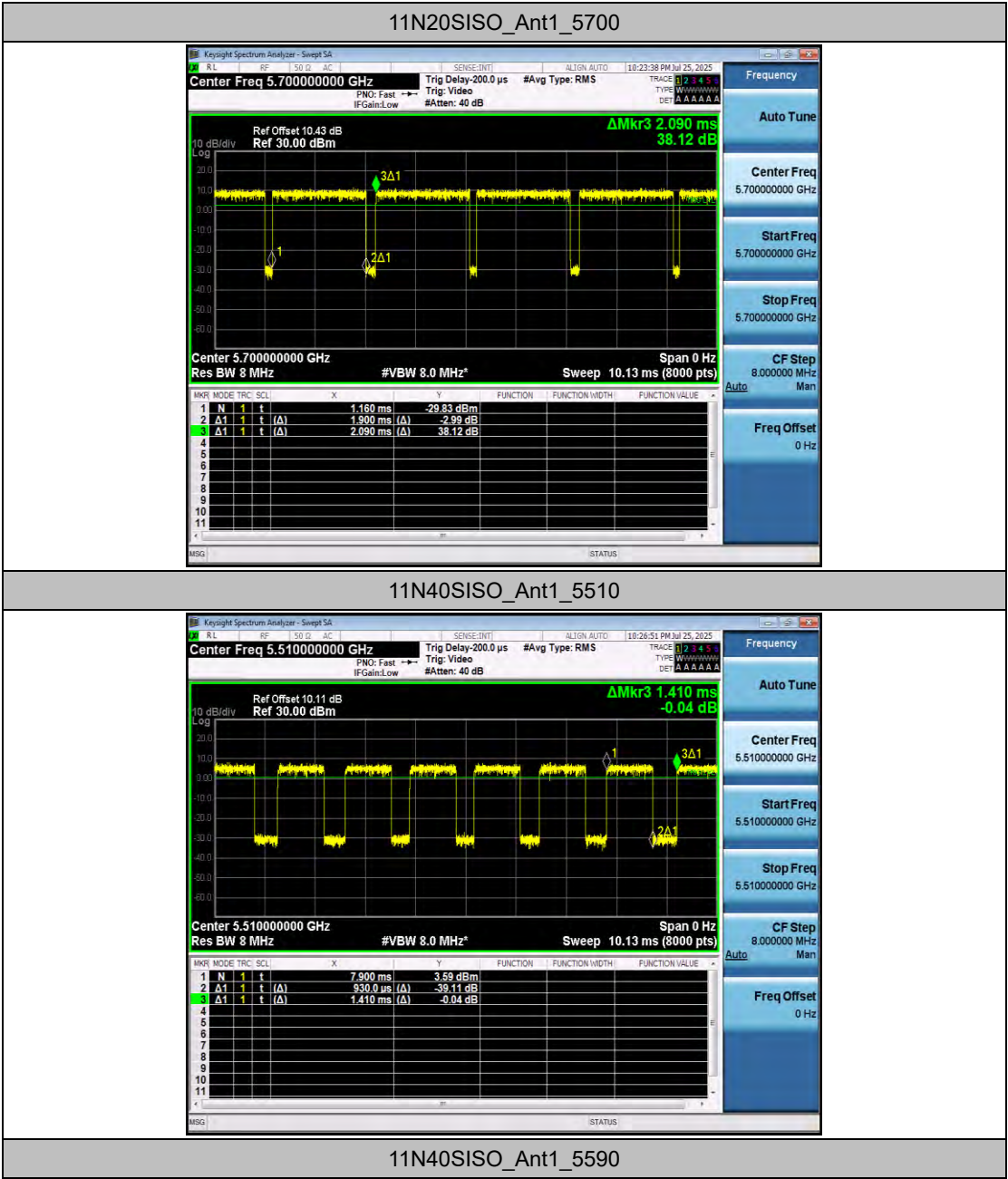
Test Result

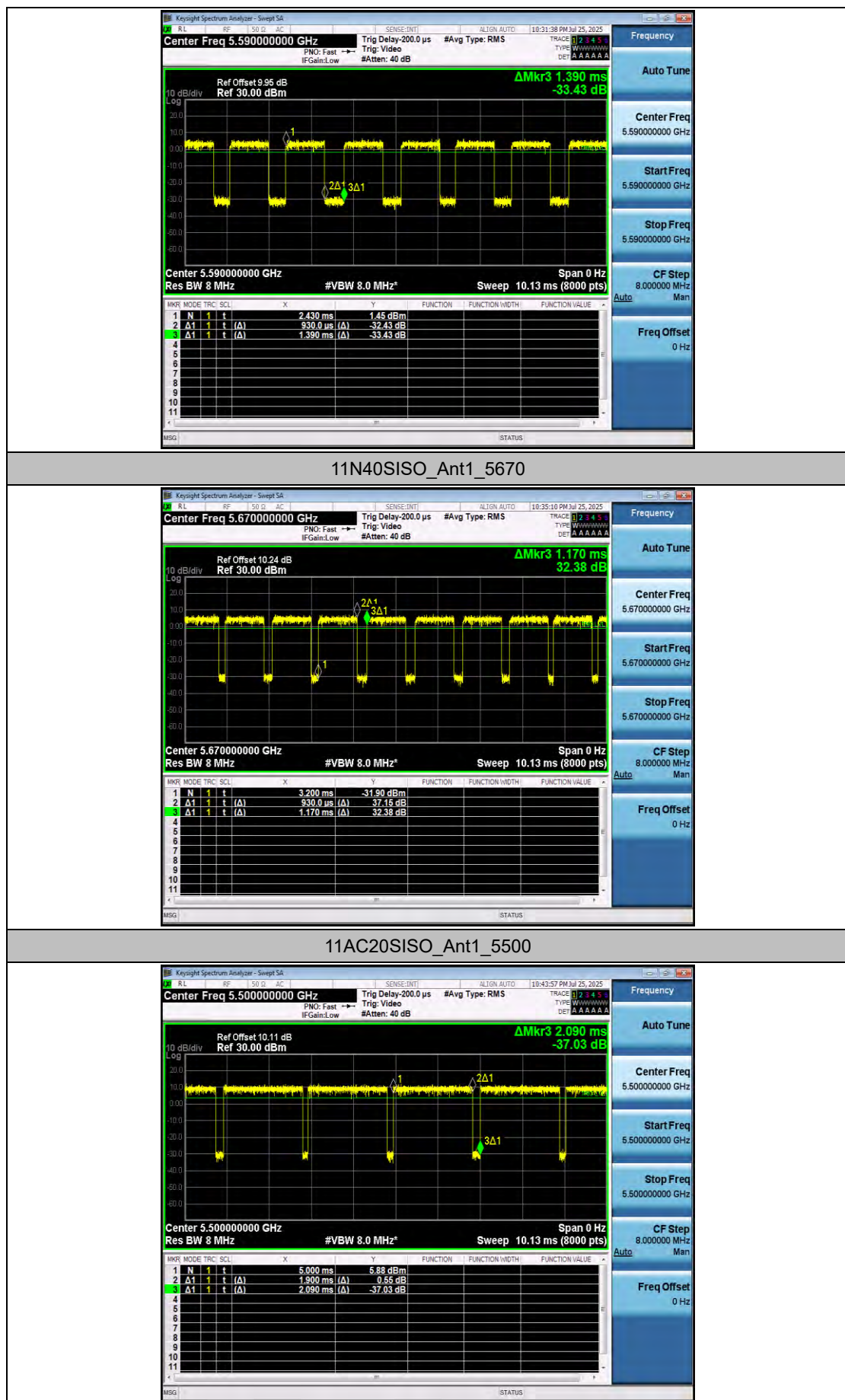
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5500	2.03	2.27	89.43	0.49	0.49
		5580	2.03	2.23	91.03	0.41	0.49
		5700	2.03	2.18	93.12	0.31	0.49
11N20SISO	Ant1	5500	1.89	2.11	89.57	0.48	0.53
		5580	1.90	2.13	89.20	0.50	0.53
		5700	1.90	2.09	90.91	0.41	0.53
11N40SISO	Ant1	5510	0.93	1.41	65.96	1.81	1.08
		5590	0.93	1.39	66.91	1.75	1.08
		5670	0.93	1.17	79.49	1.00	1.08
11AC20SISO	Ant1	5500	1.90	2.09	90.91	0.41	0.53
		5580	1.90	2.13	89.20	0.50	0.53
		5700	1.90	2.04	93.14	0.31	0.53
11AC40SISO	Ant1	5510	0.94	1.14	82.46	0.84	1.06
		5590	0.94	1.16	81.03	0.91	1.06
		5670	0.94	1.16	81.03	0.91	1.06
11AC80SISO	Ant1	5530	0.46	0.92	50.00	3.01	2.17
		5610	0.45	0.66	68.18	1.66	2.22
11AX20SISO	Ant1	5500	1.46	1.70	85.88	0.66	0.68
		5580	1.46	1.69	86.39	0.64	0.68
		5700	1.46	1.70	85.88	0.66	0.68
11AX40SISO	Ant1	5510	0.77	0.99	77.78	1.09	1.30
		5590	0.76	0.97	78.35	1.06	1.32
		5670	0.76	1.00	76.00	1.19	1.32
11AX80SISO	Ant1	5530	0.40	0.63	63.49	1.97	2.50
		5610	0.40	0.65	61.54	2.11	2.50

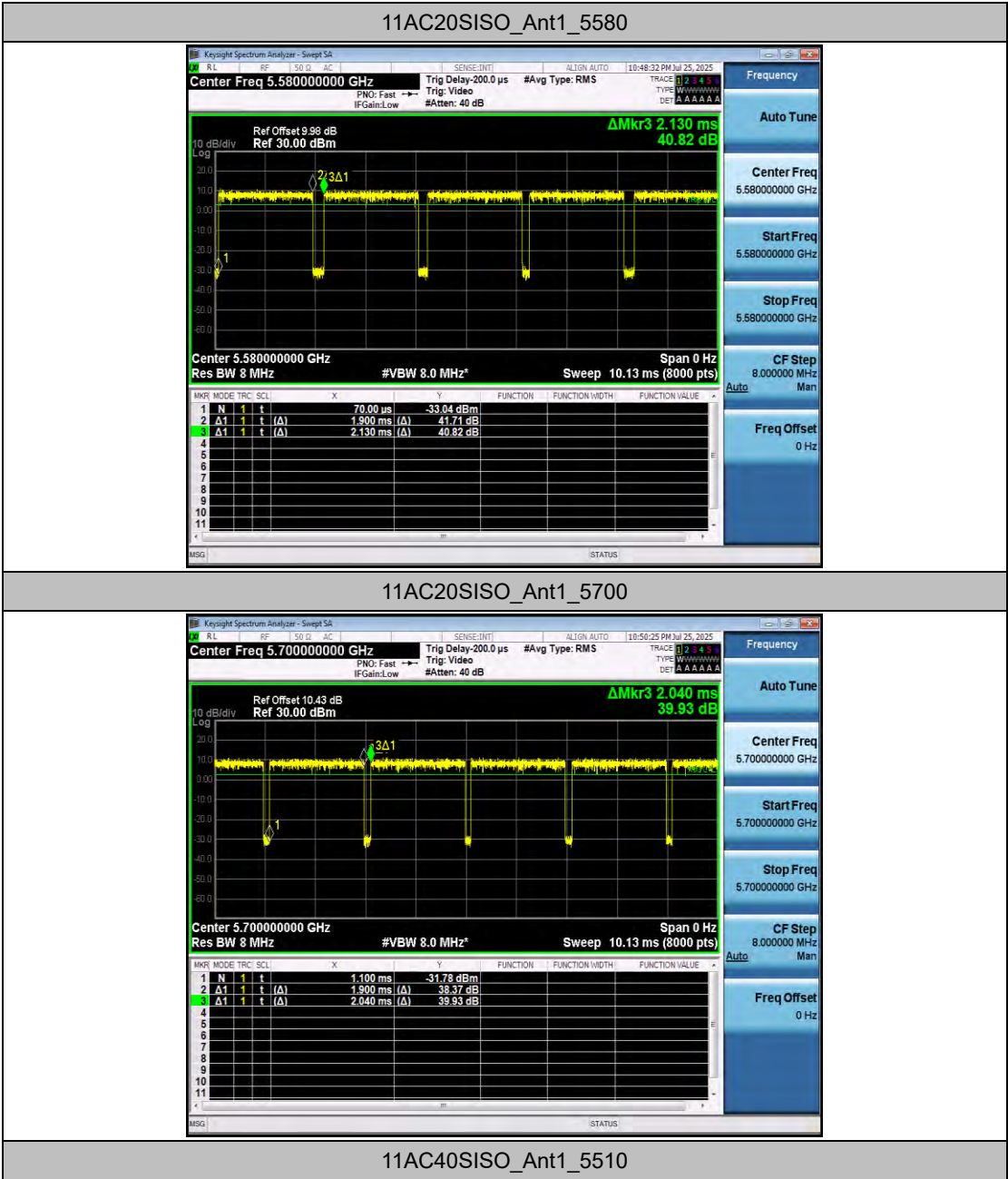
Test Graphs

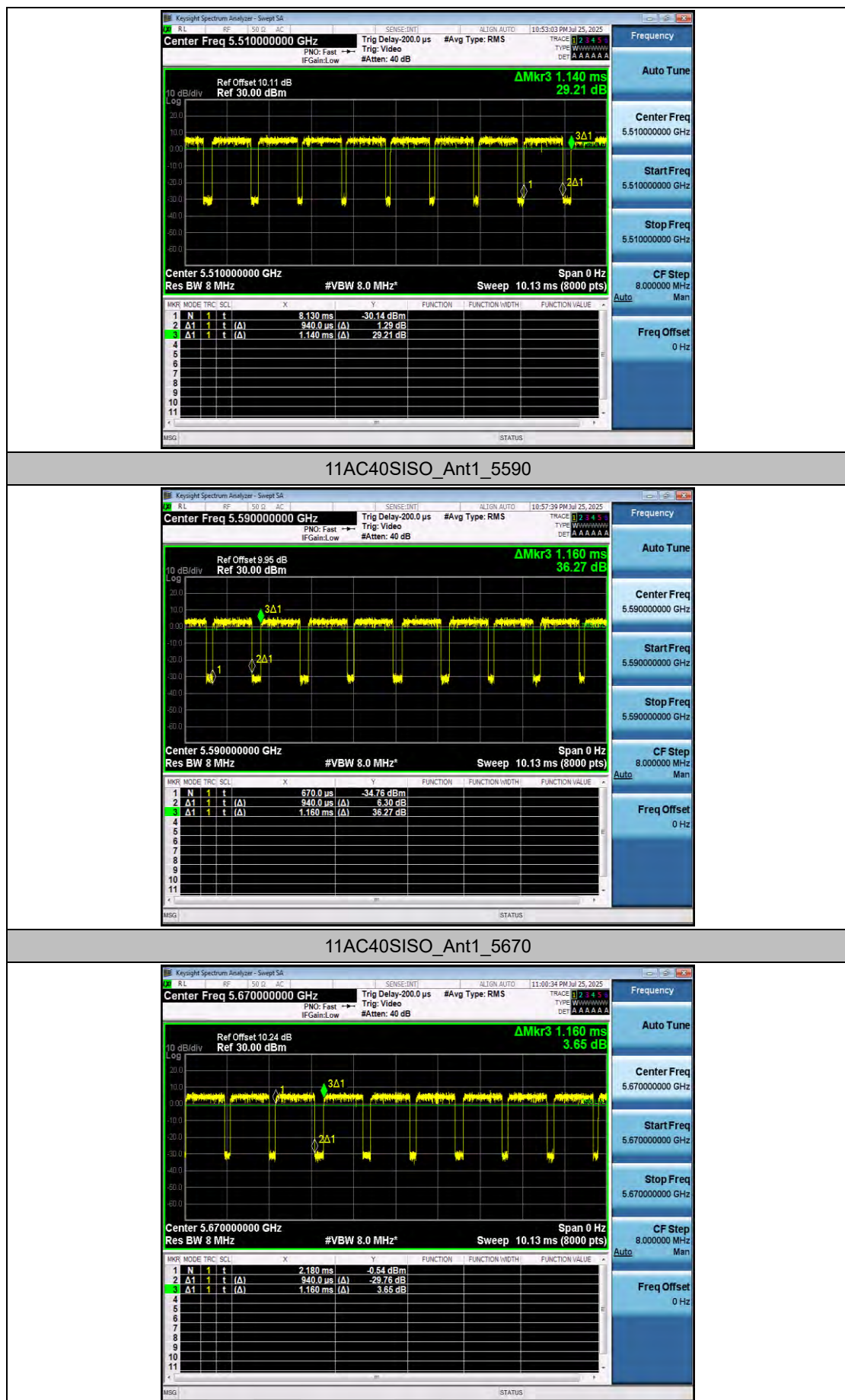


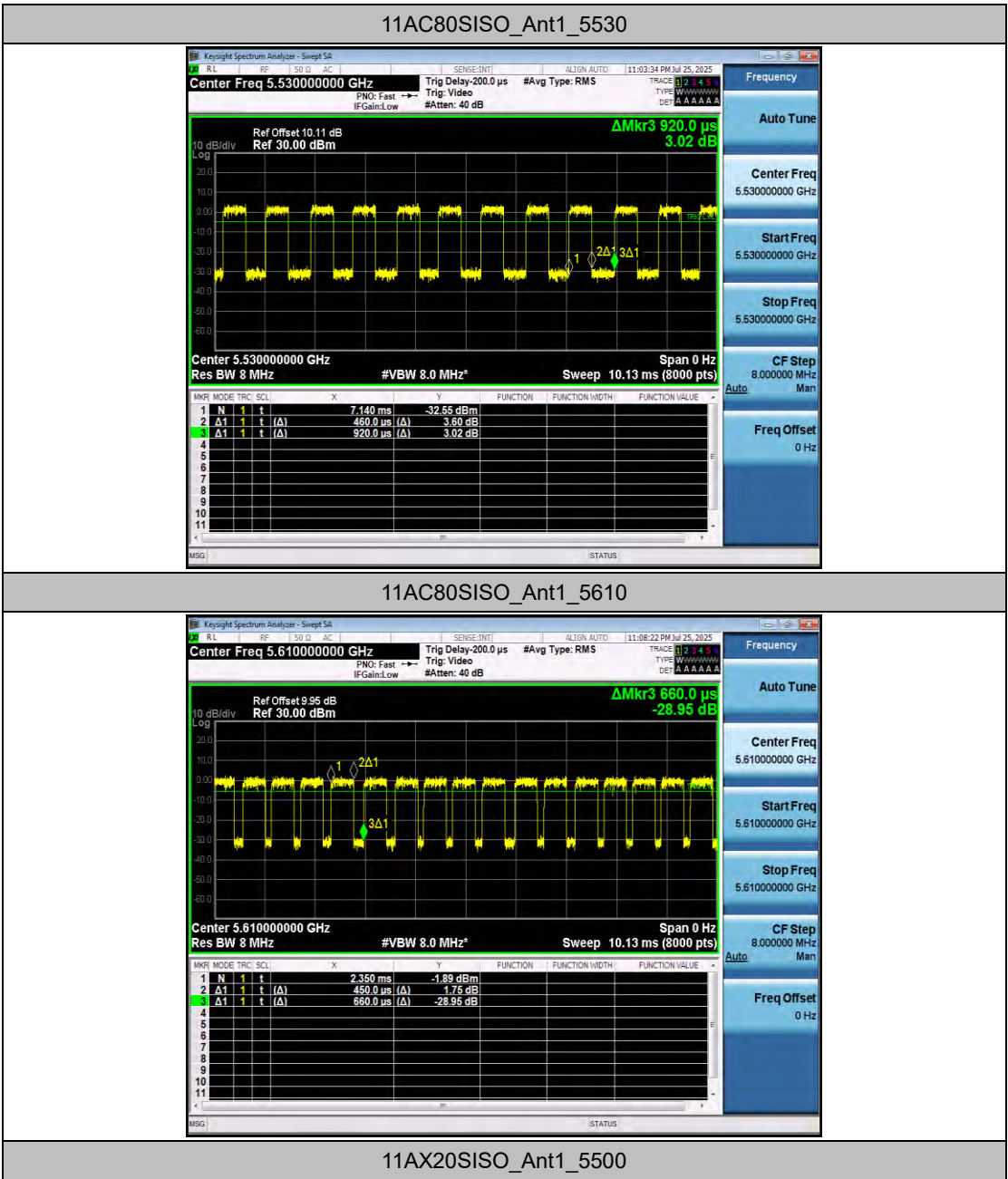


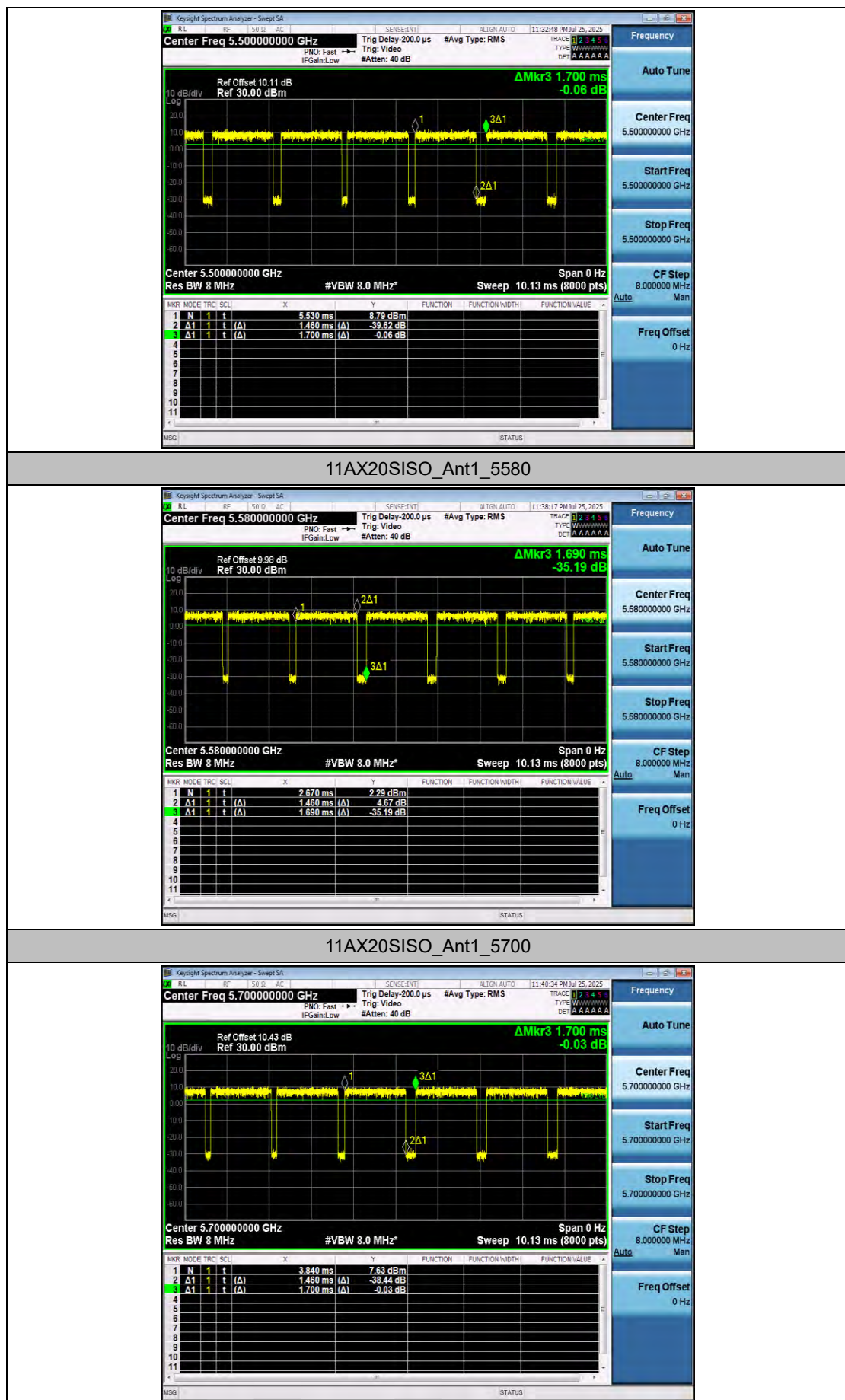


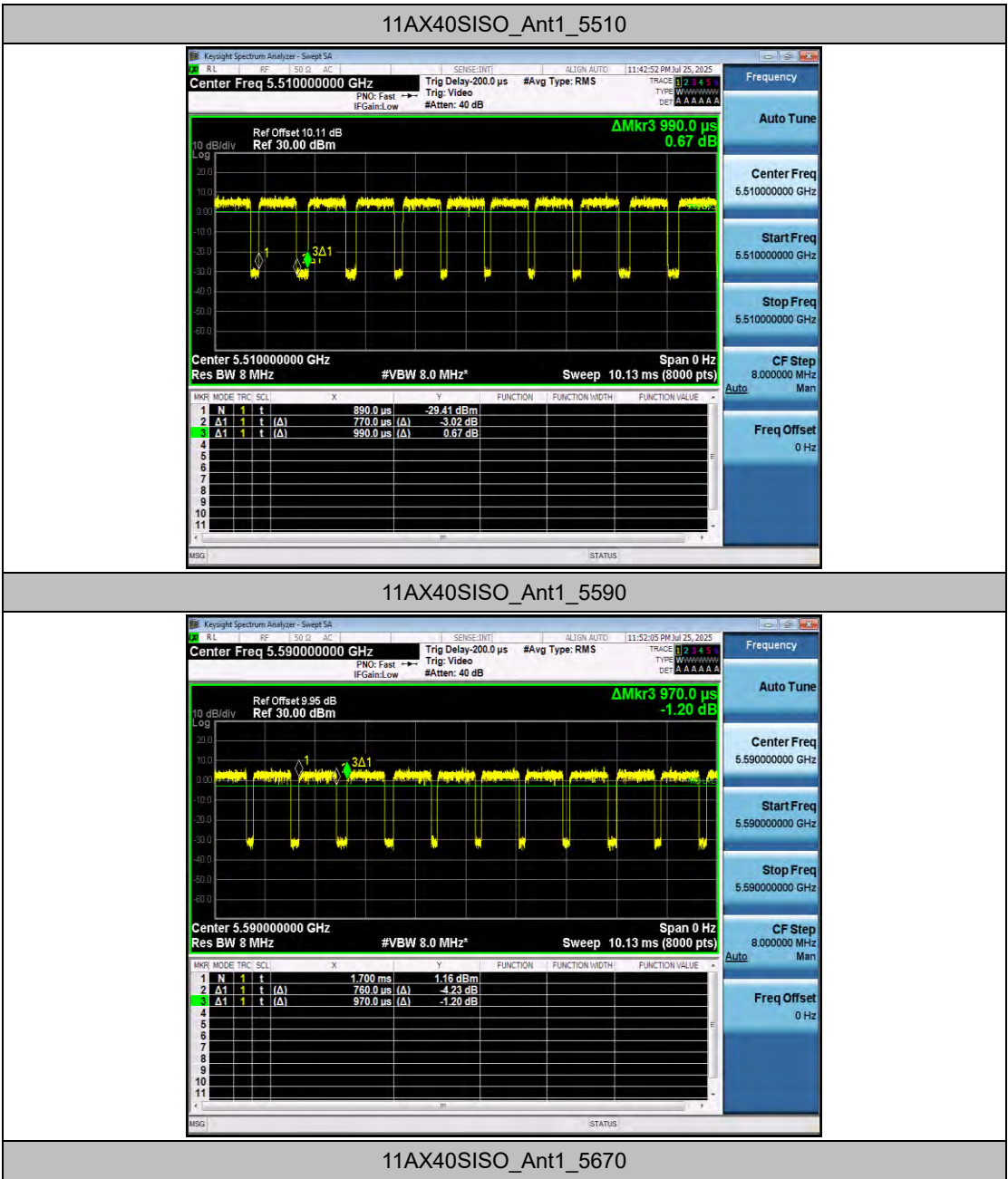


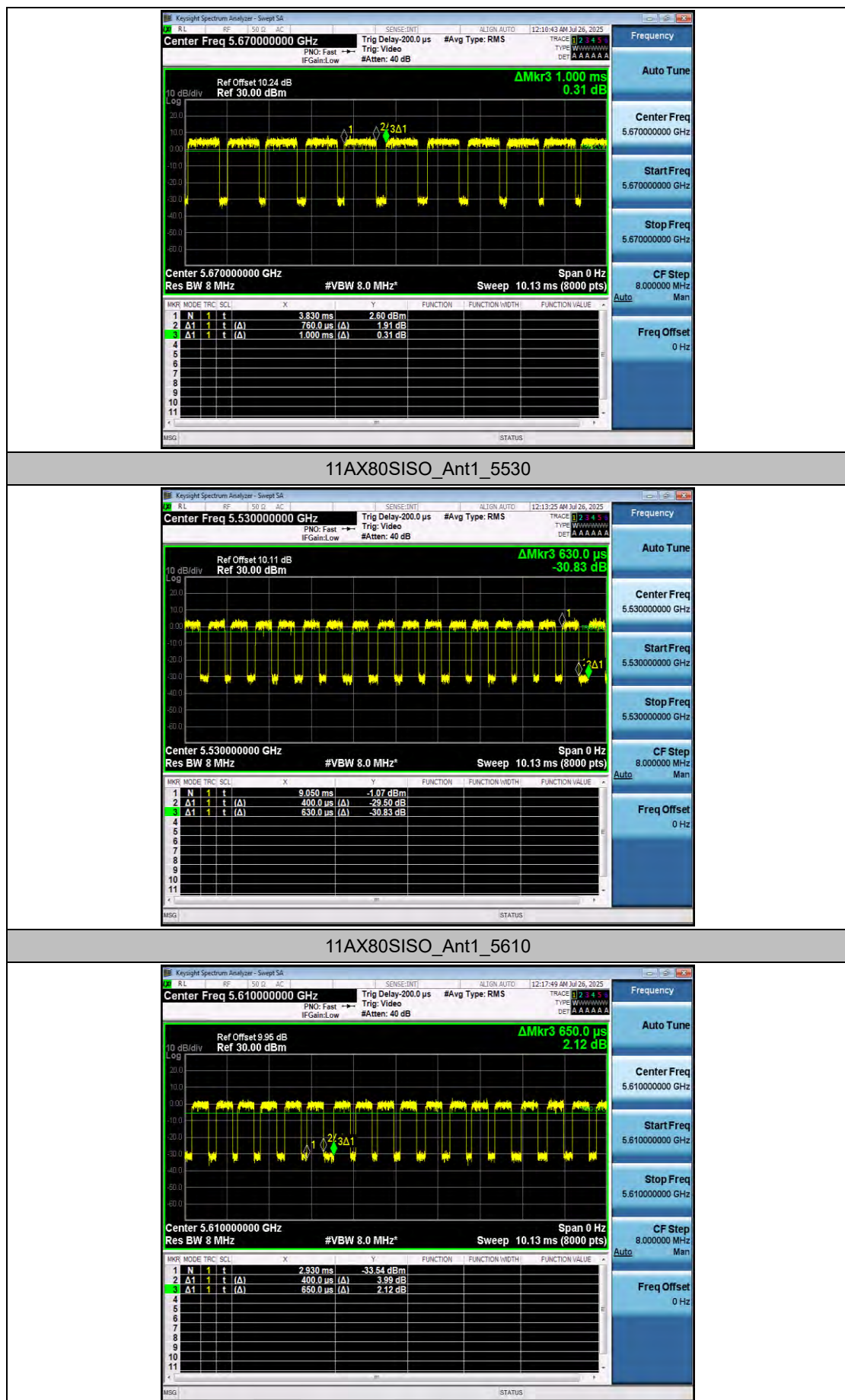












Appendix F.4: Maximum conducted output power

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	11.68	89.43	0.49	12.17	≤23.98	PASS
		5580	9.97	91.03	0.41	10.38	≤23.98	PASS
		5700	10.44	93.12	0.31	10.75	≤23.98	PASS
11N20SISO	Ant1	5500	12.66	89.57	0.48	13.14	≤23.98	PASS
		5580	11.47	89.20	0.50	11.97	≤23.98	PASS
		5700	11.58	90.91	0.41	11.99	≤23.98	PASS
11N40SISO	Ant1	5510	11.40	65.96	1.81	13.21	≤23.98	PASS
		5590	9.49	66.91	1.75	11.24	≤23.98	PASS
		5670	10.58	79.49	1.00	11.58	≤23.98	PASS
11AC20SISO	Ant1	5500	13.12	90.91	0.41	13.53	≤23.98	PASS
		5580	11.82	89.20	0.50	12.32	≤23.98	PASS
		5700	11.74	93.14	0.31	12.05	≤23.98	PASS
11AC40SISO	Ant1	5510	10.87	82.46	0.84	11.71	≤23.98	PASS
		5590	9.85	81.03	0.91	10.76	≤23.98	PASS
		5670	10.61	81.03	0.91	11.52	≤23.98	PASS
11AC80SISO	Ant1	5530	10.24	50.00	3.01	13.25	≤23.98	PASS
		5610	8.48	68.18	1.66	10.14	≤23.98	PASS
11AX20SISO	Ant1	5500	12.46	85.88	0.66	13.12	≤23.98	PASS
		5580	10.49	86.39	0.64	11.13	≤23.98	PASS
		5700	11.00	85.88	0.66	11.66	≤23.98	PASS
11AX40SISO	Ant1	5510	10.64	77.78	1.09	11.73	≤23.98	PASS
		5590	9.21	78.35	1.06	10.27	≤23.98	PASS
		5670	10.62	76.00	1.19	11.81	≤23.98	PASS
11AX80SISO	Ant1	5530	10.02	63.49	1.97	11.99	≤23.98	PASS
		5610	8.34	61.54	2.11	10.45	≤23.98	PASS

Appendix F.5: Maximum power spectral density

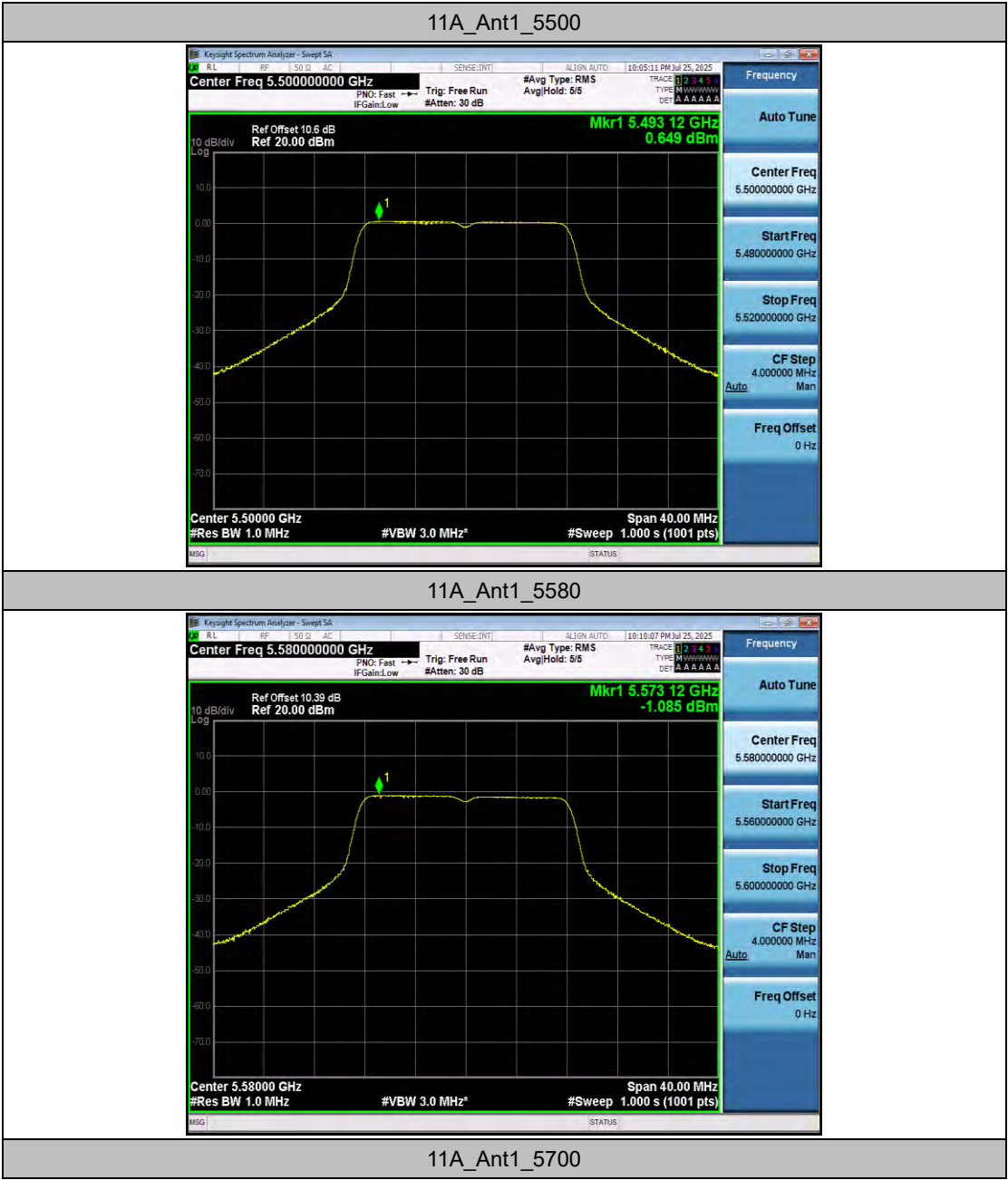
Test Result

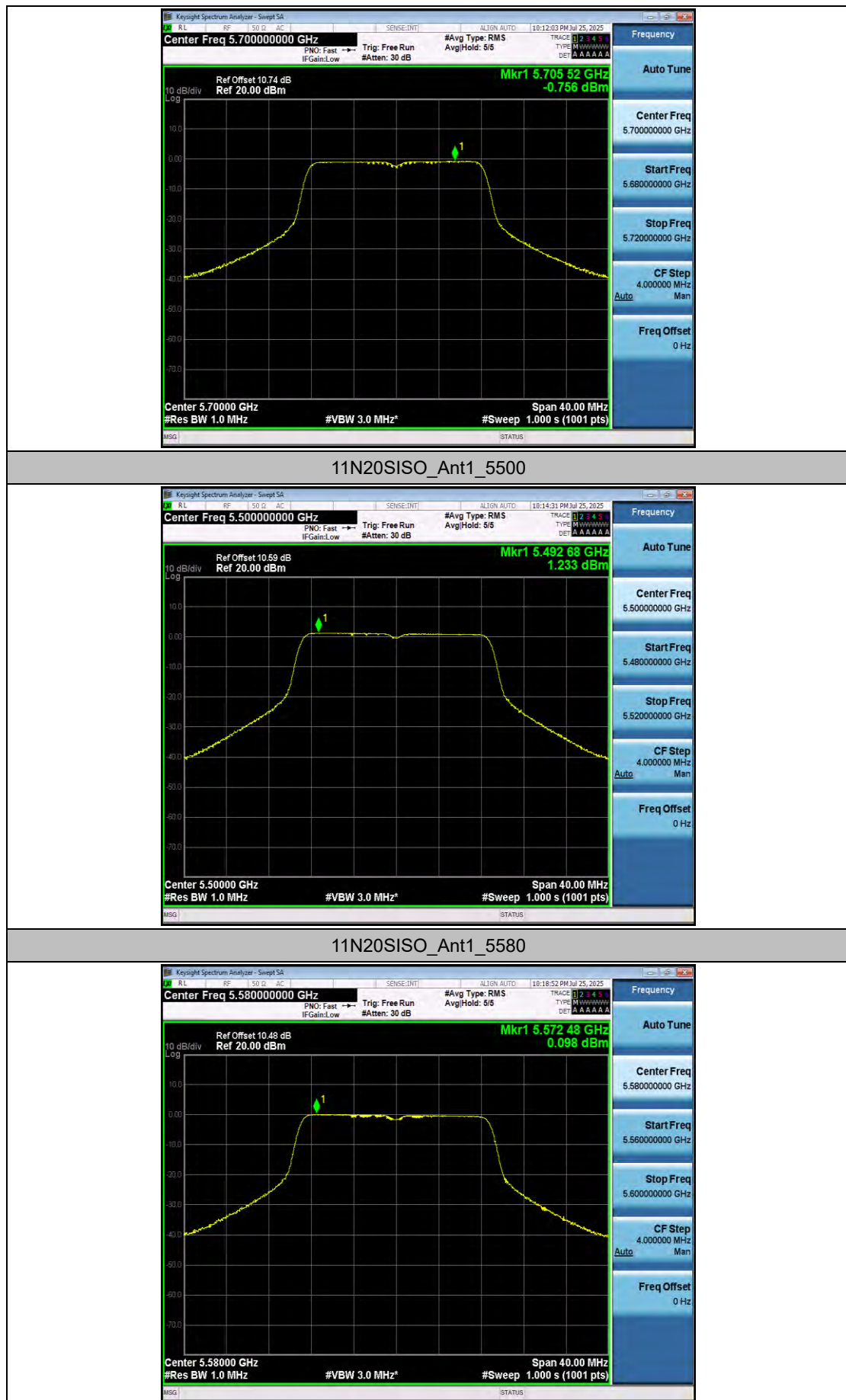
TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5500	0.65	≤11.00	PASS
		5580	-1.09	≤11.00	PASS
		5700	-0.76	≤11.00	PASS
11N20SISO	Ant1	5500	1.23	≤11.00	PASS
		5580	0.10	≤11.00	PASS
		5700	0.27	≤11.00	PASS
11N40SISO	Ant1	5510	-0.92	≤11.00	PASS
		5590	-2.64	≤11.00	PASS
		5670	-2.95	≤11.00	PASS
11AC20SISO	Ant1	5500	1.44	≤11.00	PASS
		5580	0.44	≤11.00	PASS
		5700	0.19	≤11.00	PASS
11AC40SISO	Ant1	5510	-1.87	≤11.00	PASS
		5590	-3.52	≤11.00	PASS
		5670	-3.05	≤11.00	PASS
11AC80SISO	Ant1	5530	-3.34	≤11.00	PASS
		5610	-6.35	≤11.00	PASS
11AX20SISO	Ant1	5500	0.98	≤11.00	PASS
		5580	-0.89	≤11.00	PASS
		5700	-0.30	≤11.00	PASS
11AX40SISO	Ant1	5510	-2.22	≤11.00	PASS
		5590	-4.21	≤11.00	PASS
		5670	-3.33	≤11.00	PASS
11AX80SISO	Ant1	5530	-4.96	≤11.00	PASS
		5610	-6.53	≤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





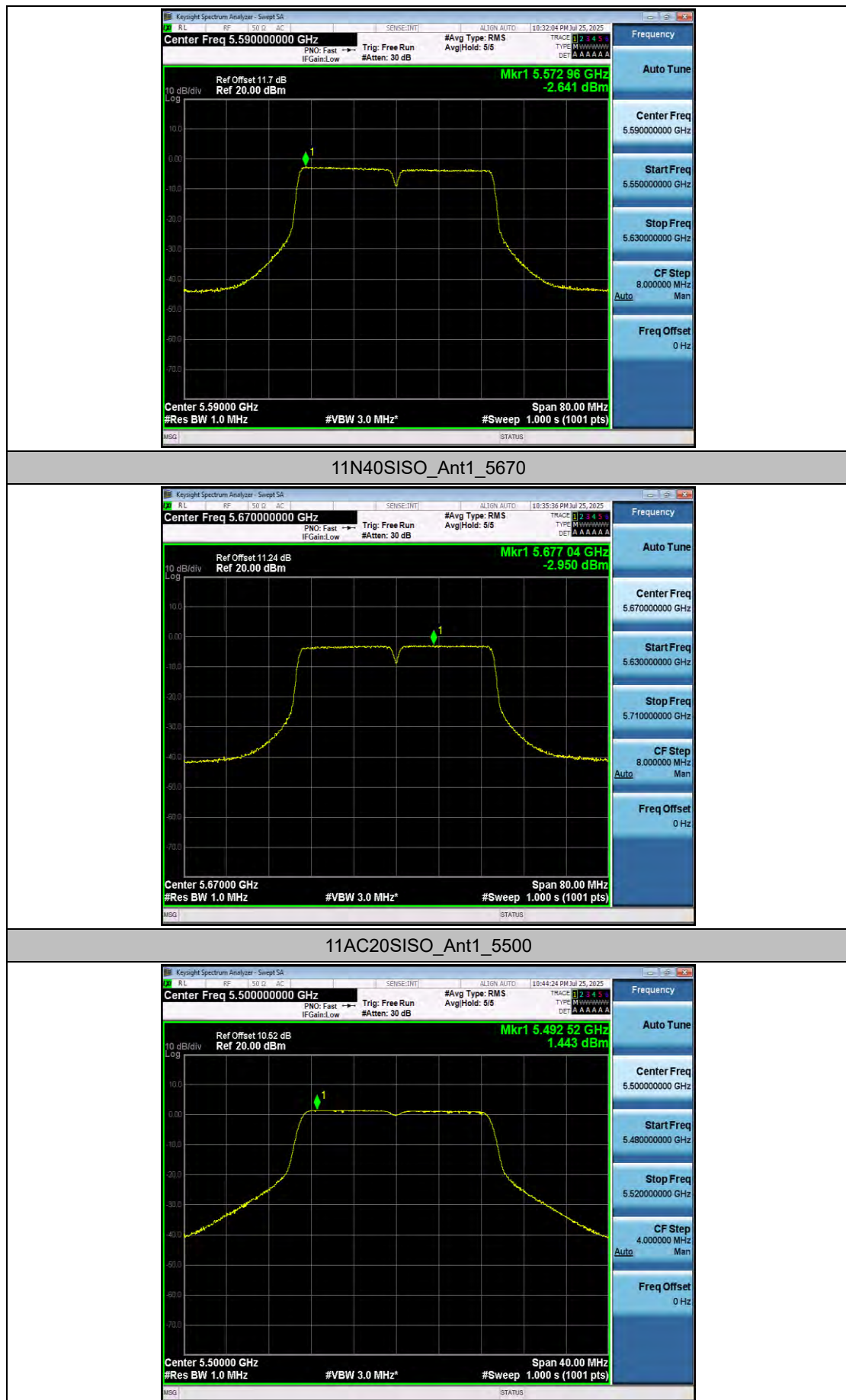
11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



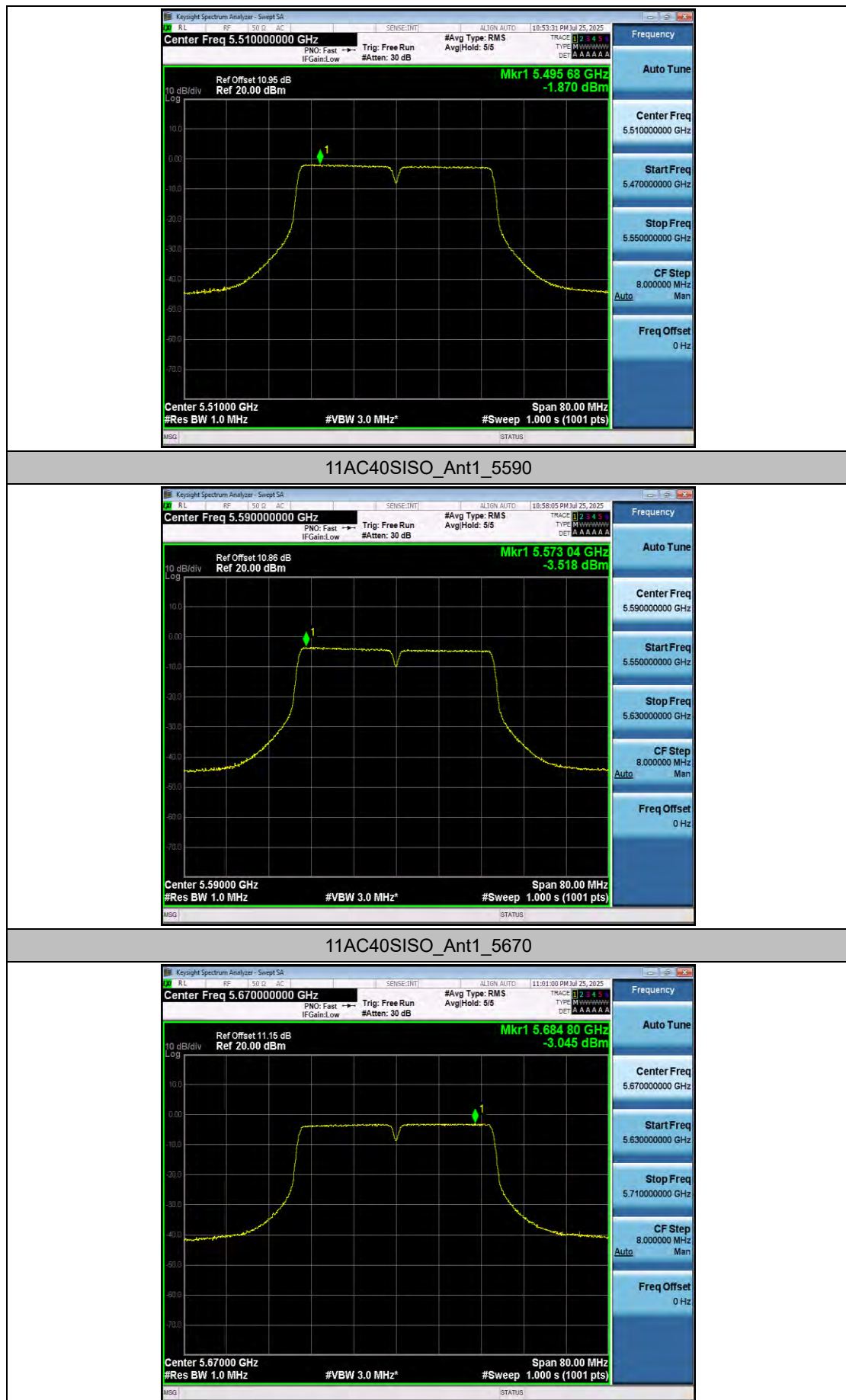
11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



11AX20SISO_Ant1_5500



11AX40SISO_Ant1_5510



11AX40SISO_Ant1_5590



11AX40SISO_Ant1_5670

