

Case No. : <u>GTS20241101002-1-04</u>	
Ambient Condition: <u>22</u> °C, <u>49</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2024.12.12</u>	Test Engineer: <u>Evan ouyang</u>

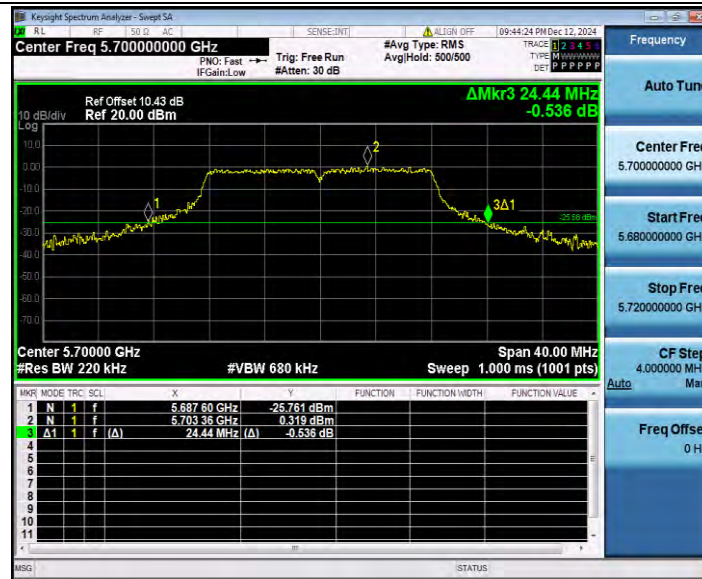
Appendix F.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	24.640	5487.480	5512.120	---	---
		5580	25.760	5566.720	5592.480	---	---
		5700	24.440	5687.600	5712.040	---	---
11N20SISO	Ant1	5500	27.200	5486.560	5513.760	---	---
		5580	27.280	5565.360	5592.640	---	---
		5700	29.160	5685.240	5714.400	---	---
11N40SISO	Ant1	5510	46.560	5486.880	5533.440	---	---
		5590	51.680	5564.400	5616.080	---	---
		5670	47.920	5646.400	5694.320	---	---
11AC20SISO	Ant1	5500	26.280	5487.200	5513.480	---	---
		5580	26.840	5566.680	5593.520	---	---
		5700	27.960	5686.800	5714.760	---	---
11AC40SISO	Ant1	5510	49.840	5483.680	5533.520	---	---
		5590	47.440	5566.240	5613.680	---	---
		5670	48.720	5646.000	5694.720	---	---
11AC80SISO	Ant1	5530	100.640	5476.560	5577.200	---	---
		5610	107.360	5553.200	5660.560	---	---
11AX20SISO	Ant1	5500	26.000	5487.360	5513.360	---	---
		5580	25.920	5567.080	5593.000	---	---
		5700	26.480	5686.960	5713.440	---	---
11AX40SISO	Ant1	5510	45.520	5487.280	5532.800	---	---
		5590	45.680	5567.280	5612.960	---	---
		5670	45.200	5647.200	5692.400	---	---
11AX80SISO	Ant1	5530	85.600	5486.800	5572.400	---	---
		5610	88.000	5566.640	5654.640	---	---

Test Graphs





11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590

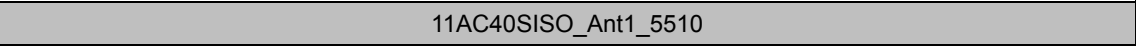
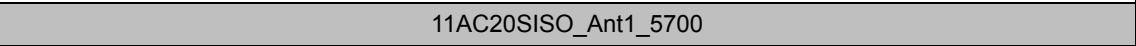


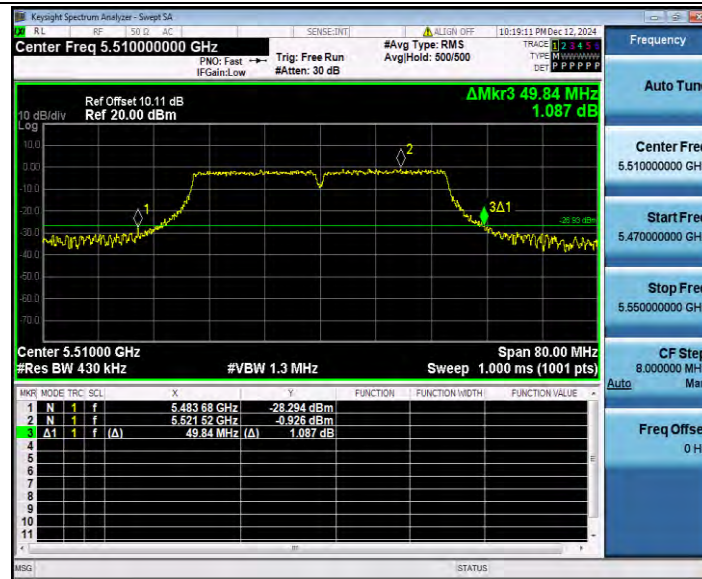
11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500





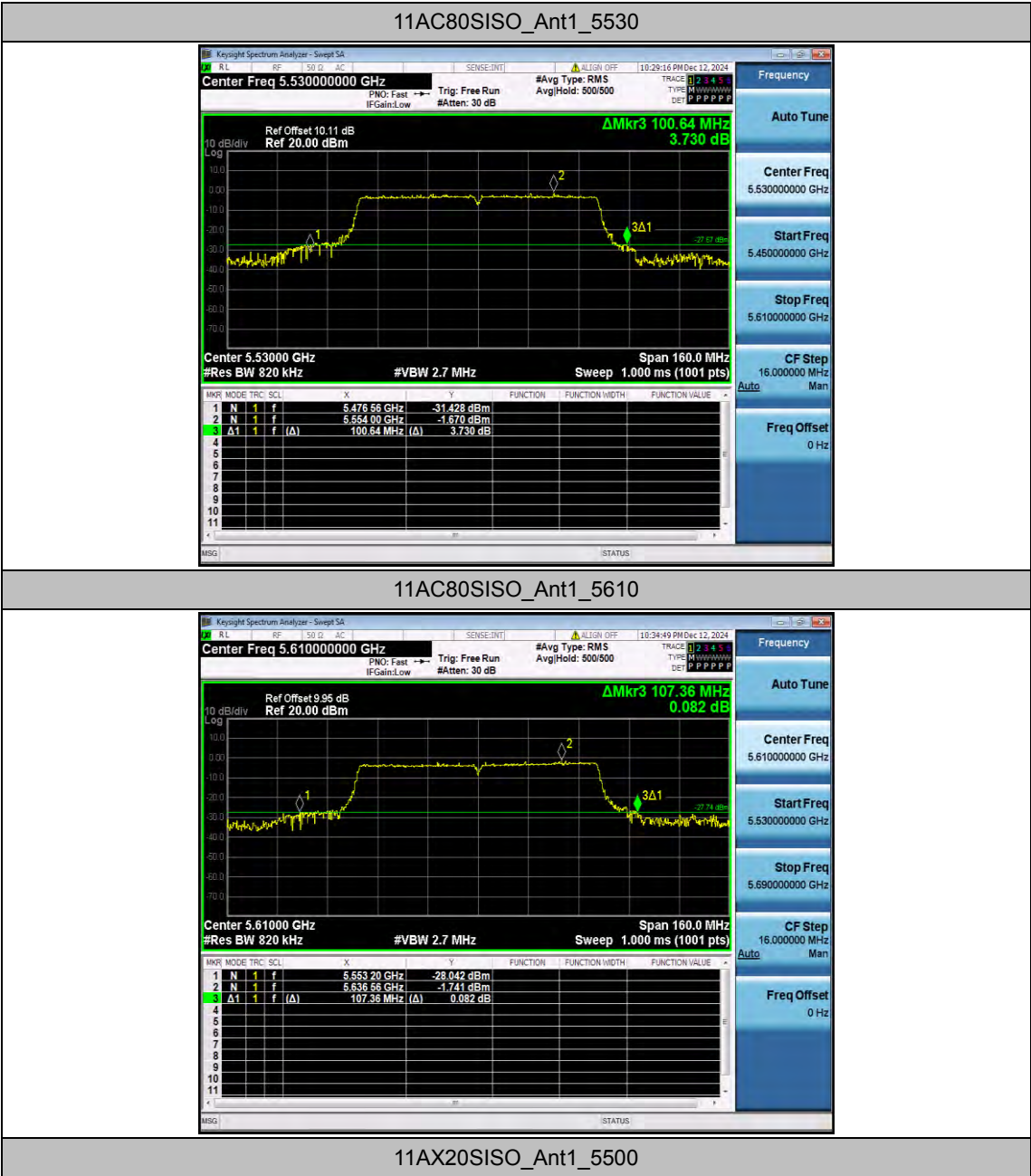


11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670







11AX20SISO_Ant1_5580



11AX20SISO_Ant1_5700



11AX40SISO_Ant1_5510



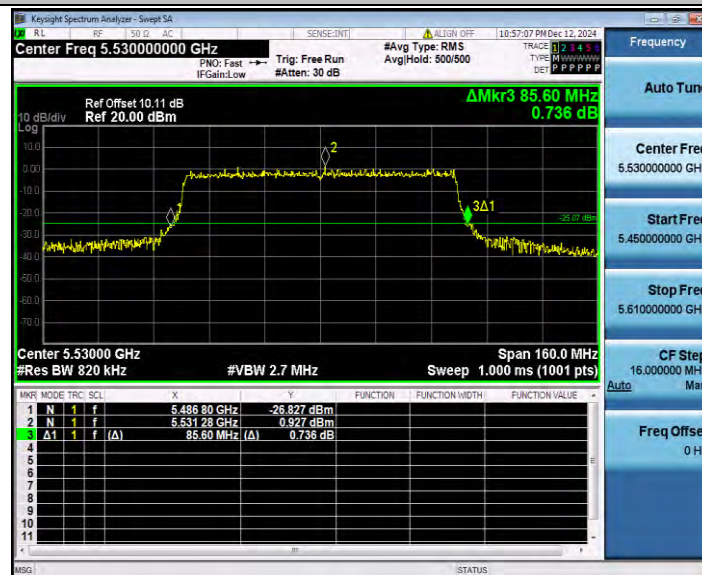
11AX40SISO_Ant1_5590



11AX40SISO_Ant1_5670



11AX80SISO_Ant1_5530



11AX80SISO_Ant1_5610

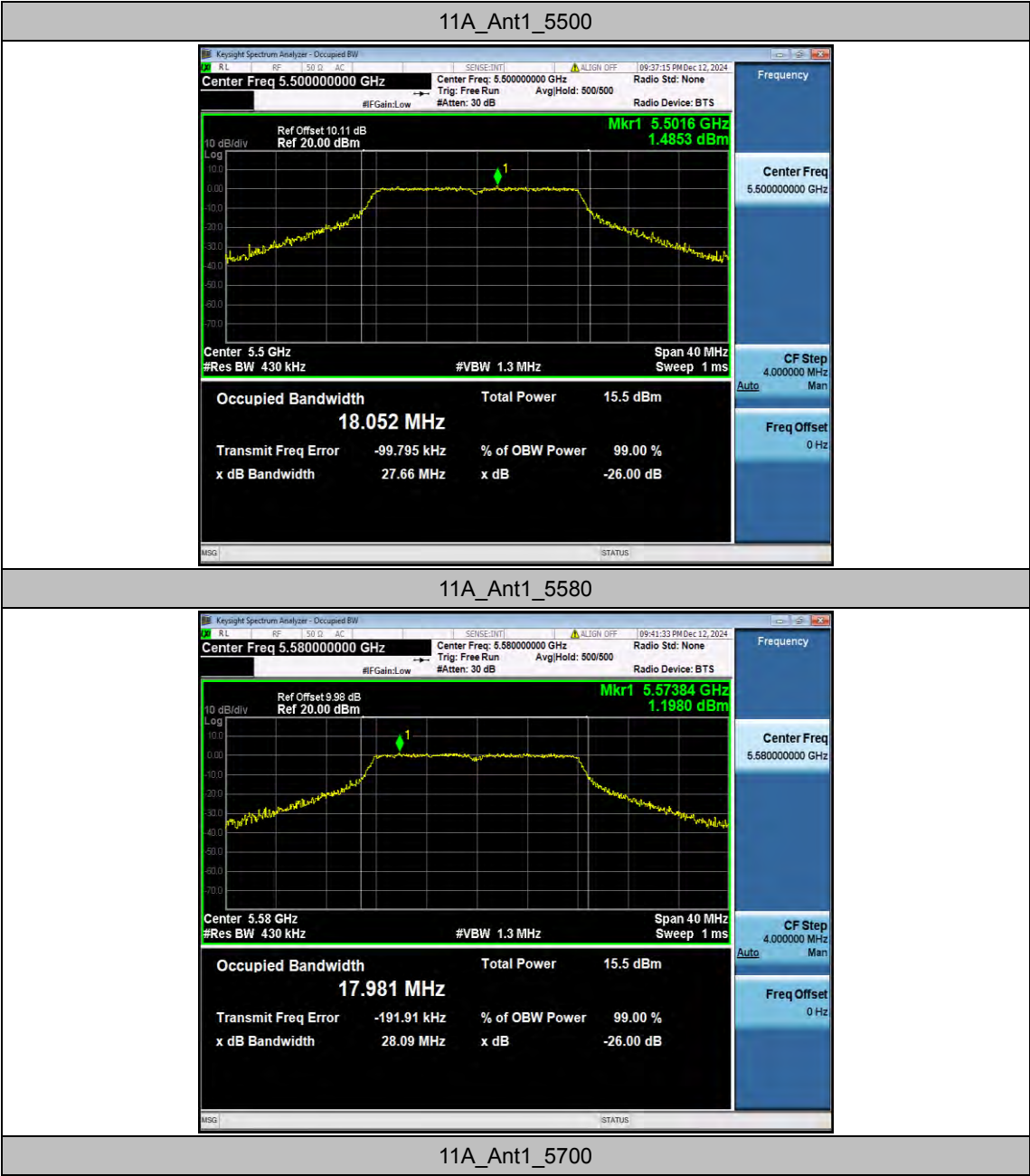


Appendix F.2: Occupied channel bandwidth

Test Result

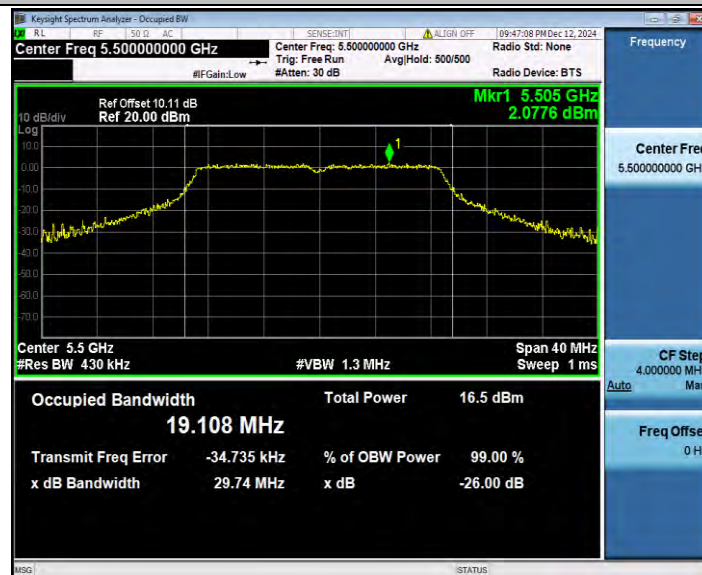
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	18.052	5490.8742	5508.9262	---	---
		5580	17.981	5570.8176	5588.7986	---	---
		5700	17.997	5690.9320	5708.9290	---	---
11N20SISO	Ant1	5500	19.108	5490.4113	5509.5193	---	---
		5580	19.045	5570.3446	5589.3896	---	---
		5700	19.202	5690.4253	5709.6273	---	---
11N40SISO	Ant1	5510	37.655	5491.2151	5528.8701	---	---
		5590	37.749	5571.1021	5608.8511	---	---
		5670	37.676	5651.2786	5688.9546	---	---
11AC20SISO	Ant1	5500	19.050	5490.4479	5509.4979	---	---
		5580	19.083	5570.3255	5589.4085	---	---
		5700	19.202	5690.4589	5709.6609	---	---
11AC40SISO	Ant1	5510	37.631	5491.2090	5528.8400	---	---
		5590	37.839	5571.0393	5608.8783	---	---
		5670	37.776	5651.1424	5688.9184	---	---
11AC80SISO	Ant1	5530	77.135	5491.3775	5568.5125	---	---
		5610	77.651	5571.3677	5649.0187	---	---
11AX20SISO	Ant1	5500	19.693	5490.1886	5509.8816	---	---
		5580	19.649	5570.1423	5589.7913	---	---
		5700	19.668	5690.2264	5709.8944	---	---
11AX40SISO	Ant1	5510	38.596	5490.7369	5529.3329	---	---
		5590	38.627	5570.7145	5609.3415	---	---
		5670	38.611	5650.7256	5689.3366	---	---
11AX80SISO	Ant1	5530	78.196	5490.9137	5569.1097	---	---
		5610	78.411	5570.8743	5649.2853	---	---

Test Graphs

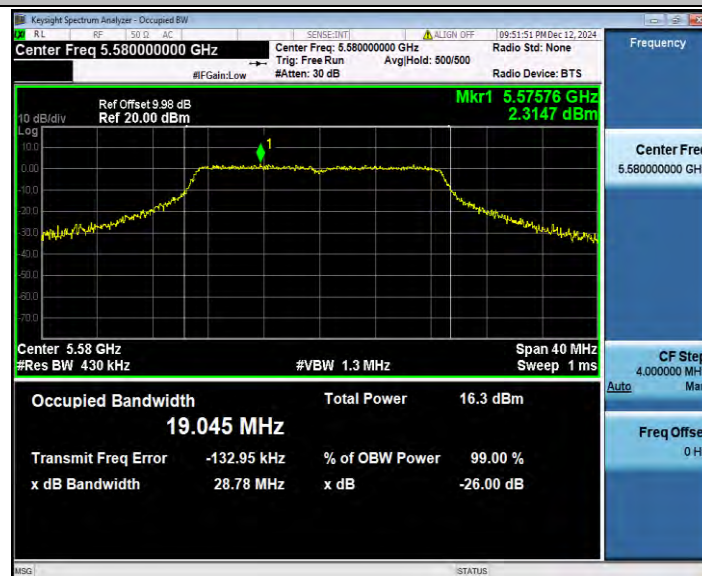




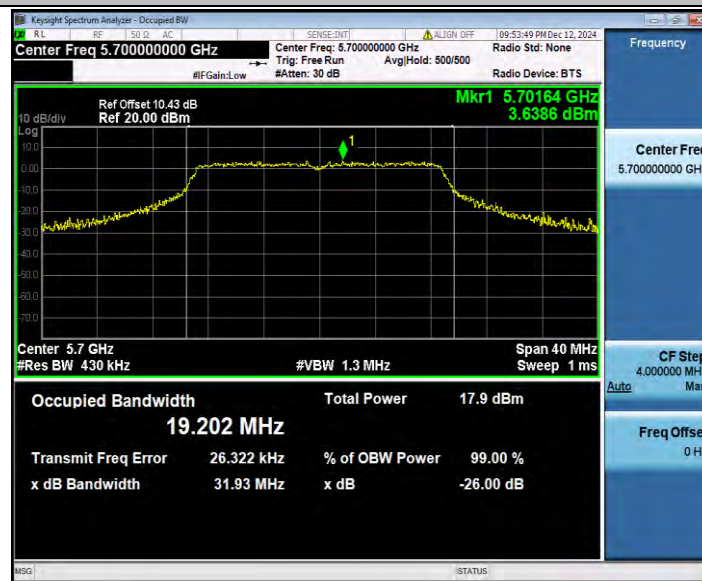
11N20SISO_Ant1_5500



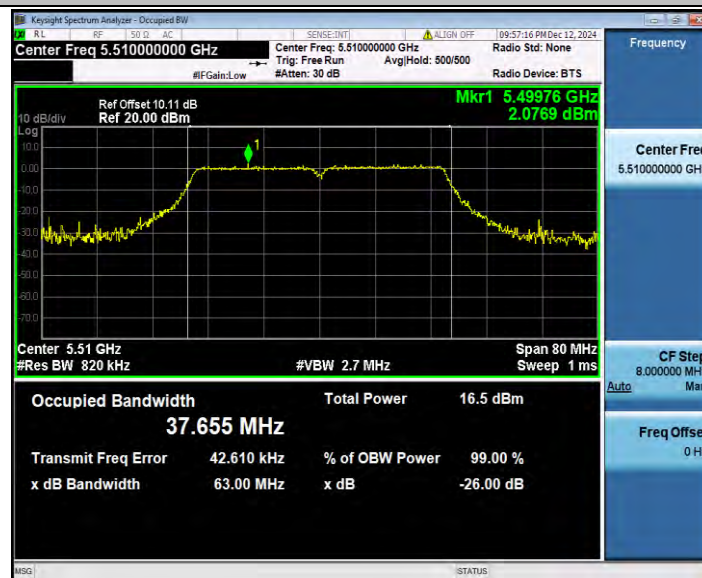
11N20SISO_Ant1_5580



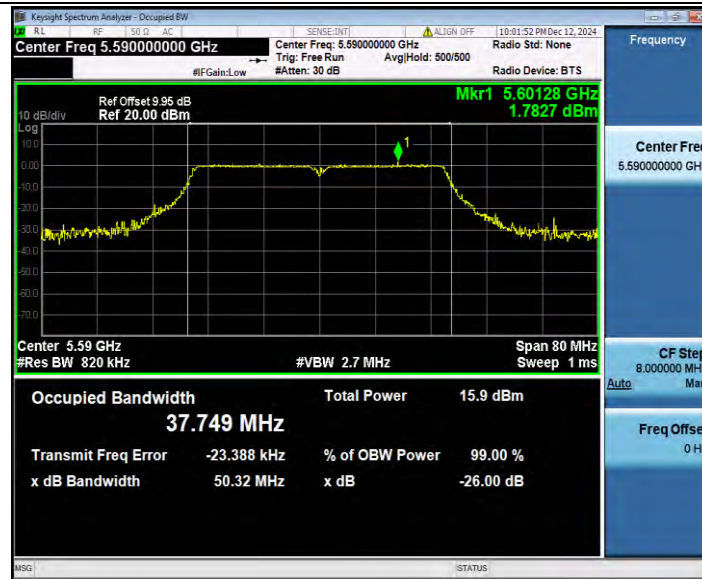
11N20SISO_Ant1_5700



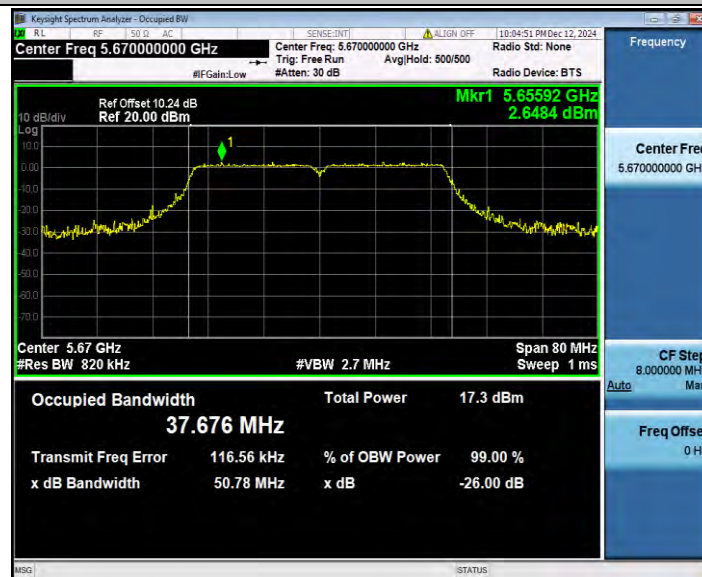
11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



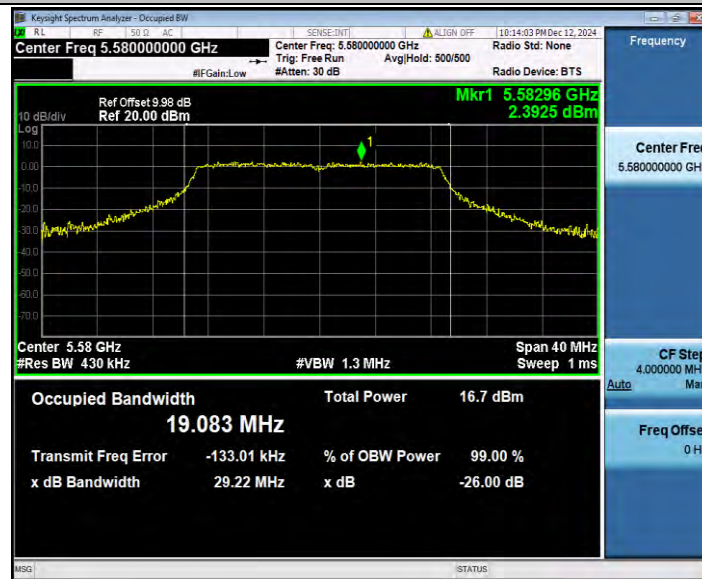
11N40SISO_Ant1_5670



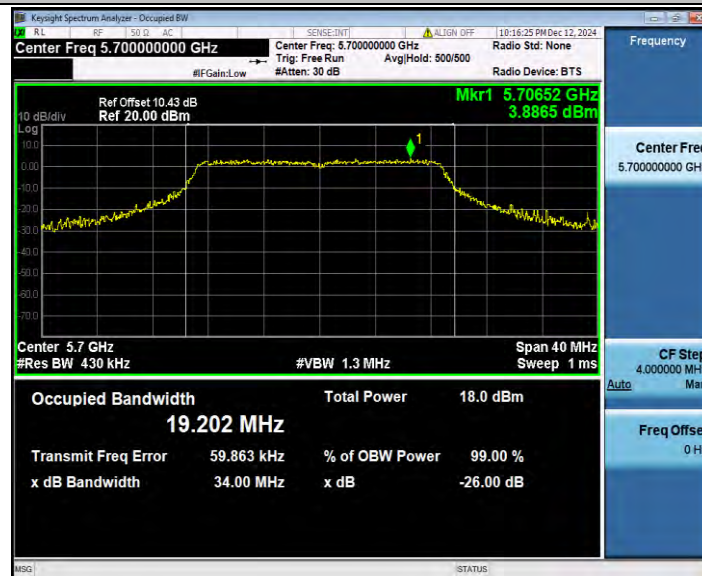
11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



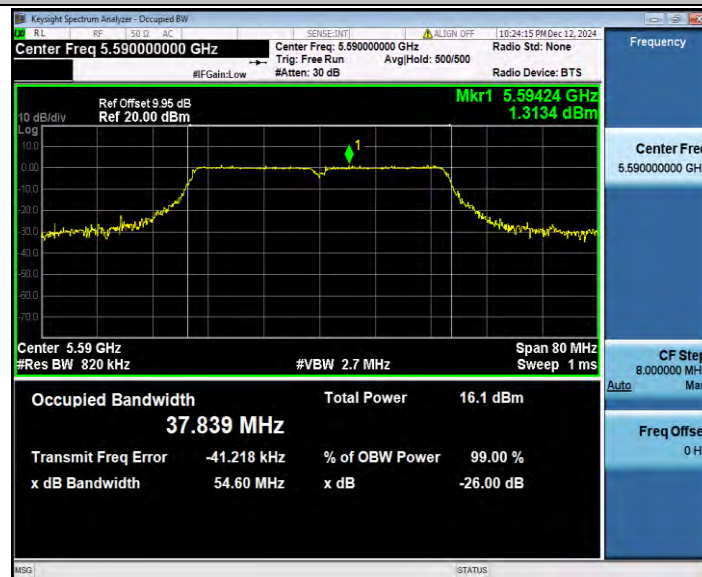
11AC20SISO_Ant1_5700



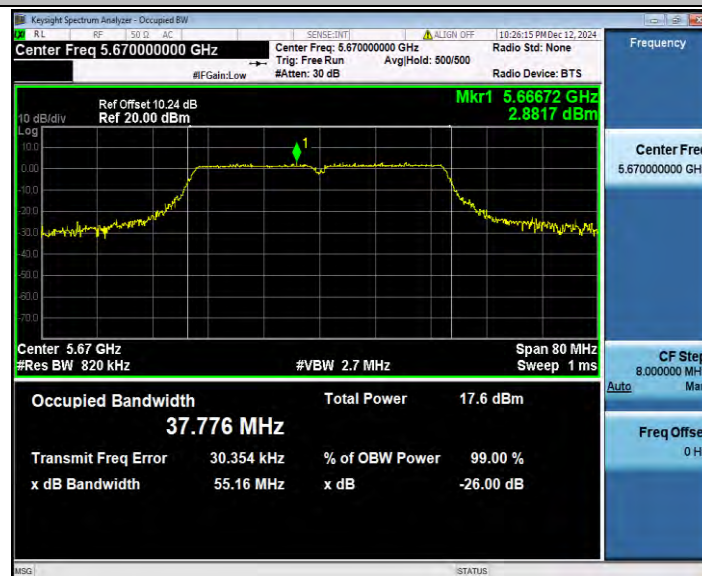
11AC40SISO_Ant1_5510



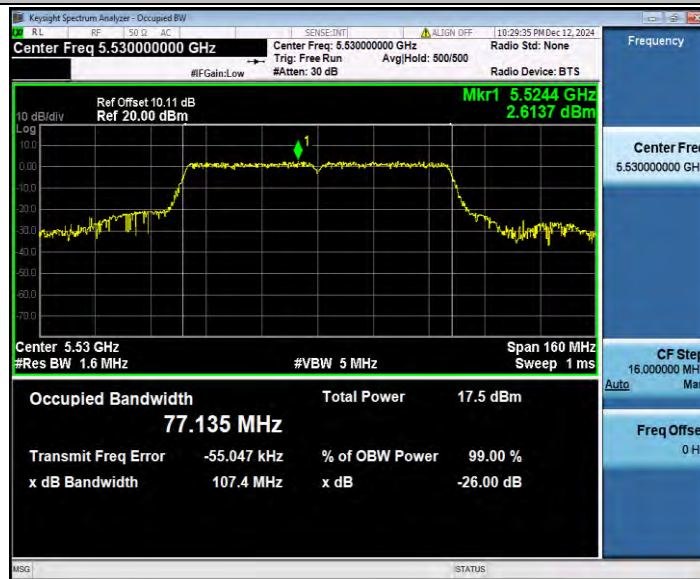
11AC40SISO_Ant1_5590



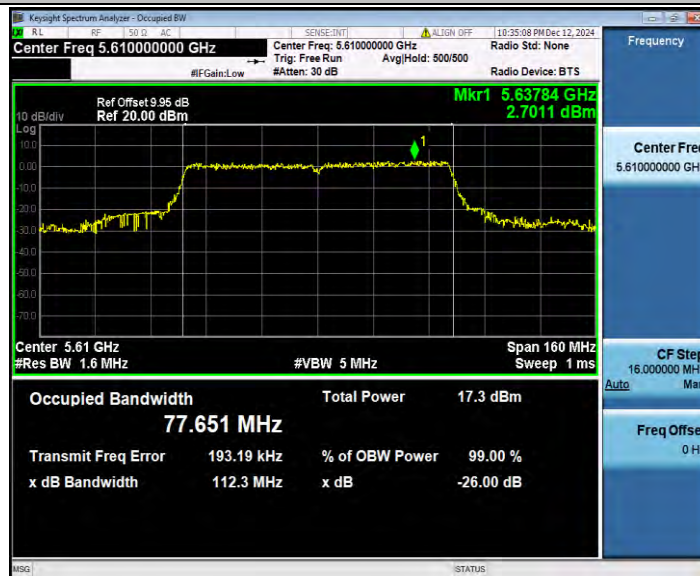
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



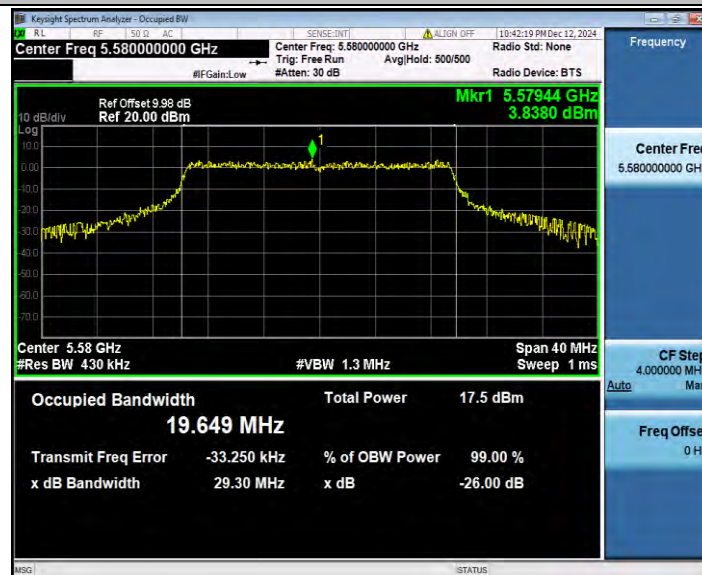
11AC80SISO_Ant1_5610



11AX20SISO_Ant1_5500

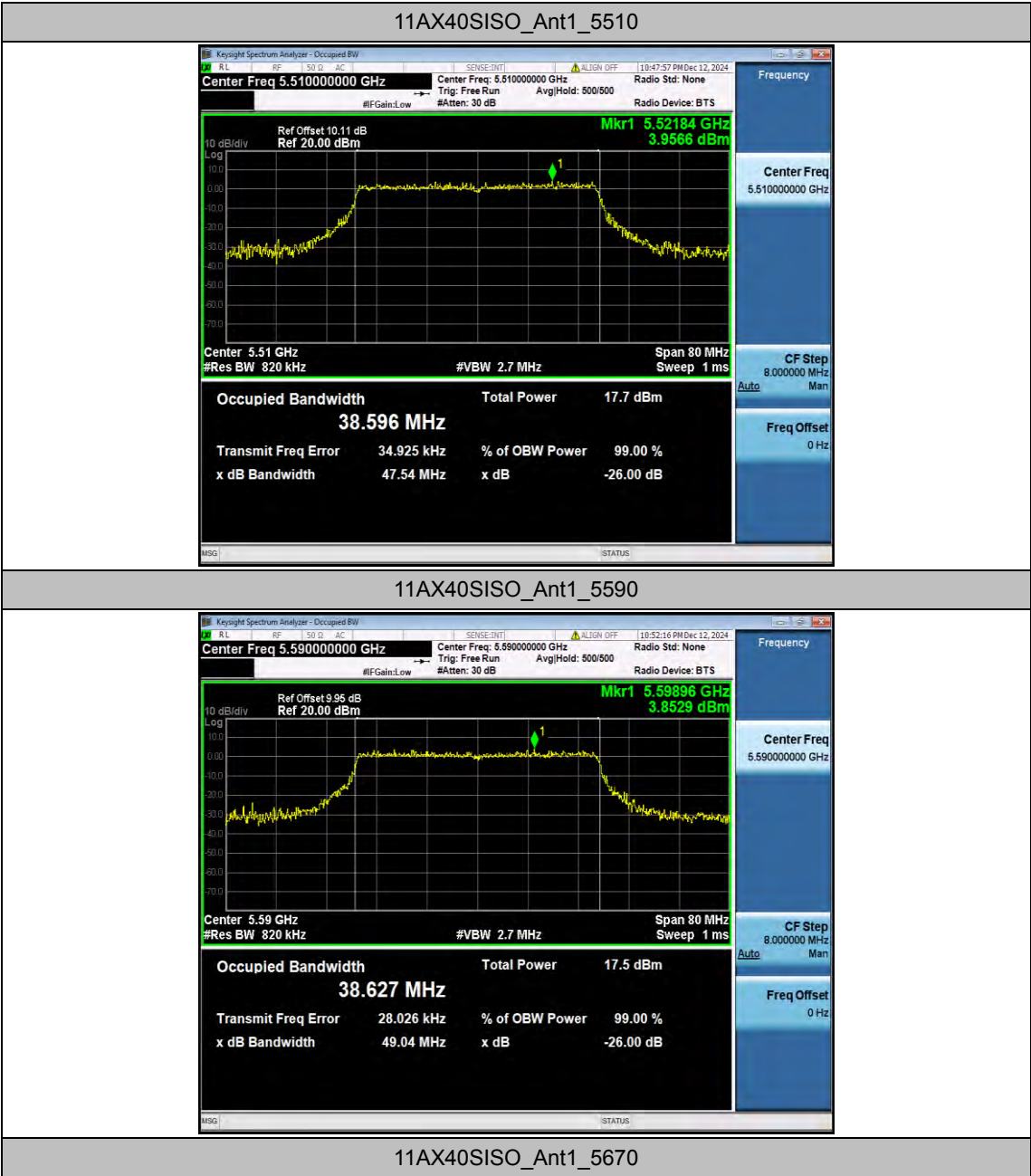


11AX20SISO_Ant1_5580



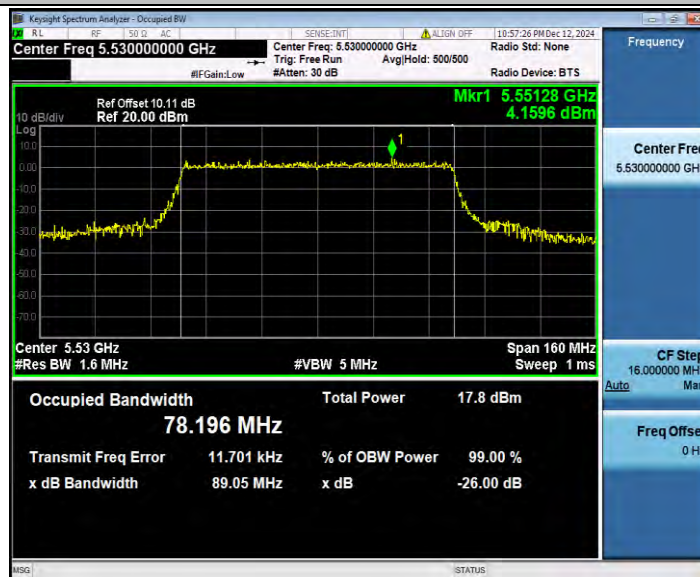
11AX20SISO_Ant1_5700



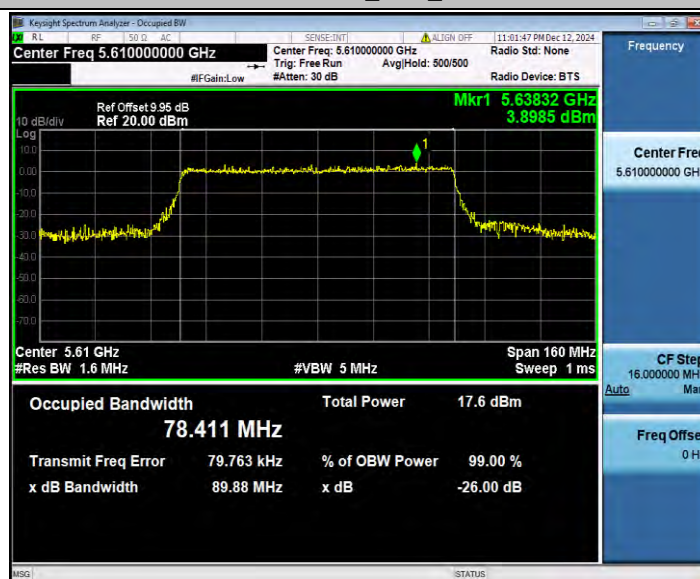




11AX80SISO_Ant1_5530



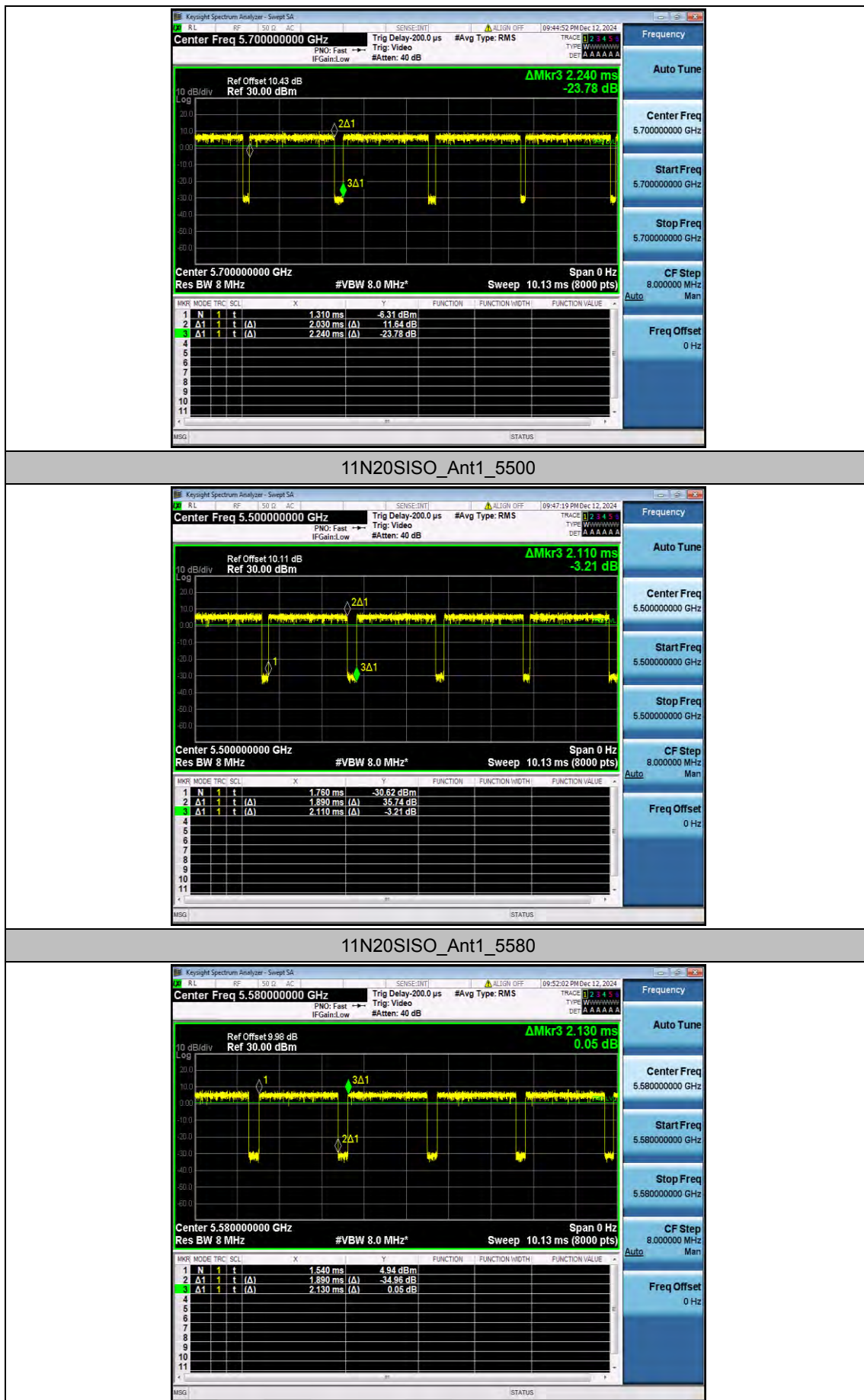
11AX80SISO_Ant1_5610



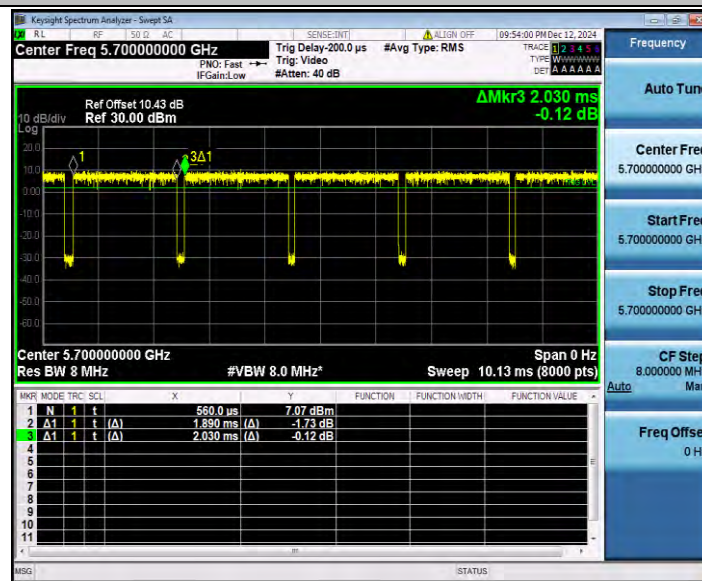
Appendix F.3: Duty Cycle

Test Result

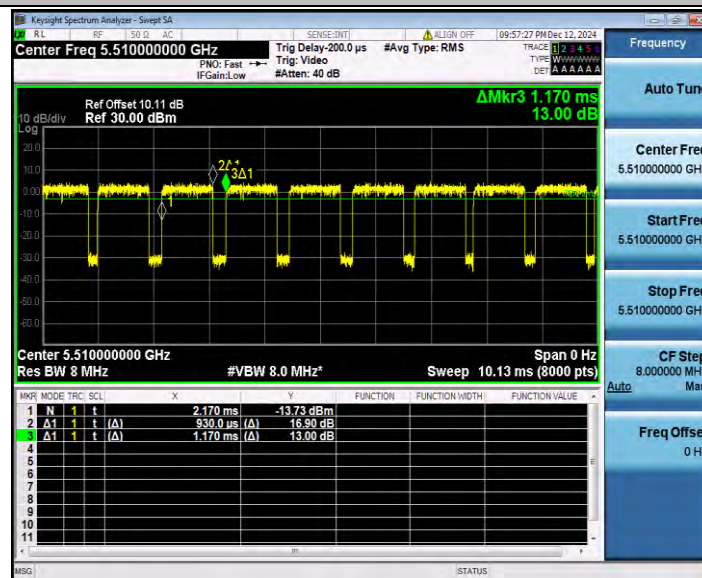
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5500	2.03	2.26	89.82	0.47	0.49
		5580	2.03	2.24	90.63	0.43	0.49
		5700	2.03	2.24	90.63	0.43	0.49
11N20SISO	Ant1	5500	1.89	2.11	89.57	0.48	0.53
		5580	1.89	2.13	88.73	0.52	0.53
		5700	1.89	2.03	93.10	0.31	0.53
11N40SISO	Ant1	5510	0.93	1.17	79.49	1.00	1.08
		5590	0.93	1.17	79.49	1.00	1.08
		5670	0.93	1.42	65.49	1.84	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	2.02	94.06	0.27	0.53
11AC40SISO	Ant1	5510	0.94	1.42	66.20	1.79	1.06
		5590	0.94	1.16	81.03	0.91	1.06
		5670	0.94	1.12	83.93	0.76	1.06
11AC80SISO	Ant1	5530	0.46	0.95	48.42	3.15	2.17
		5610	0.45	0.66	68.18	1.66	2.22
11AX20SISO	Ant1	5500	1.46	1.69	86.39	0.64	0.68
		5580	1.46	1.66	87.95	0.56	0.68
		5700	1.46	1.69	86.39	0.64	0.68
11AX40SISO	Ant1	5510	0.77	1.01	76.24	1.18	1.30
		5590	0.76	1.19	63.87	1.95	1.32
		5670	0.77	0.99	77.78	1.09	1.30
11AX80SISO	Ant1	5530	0.39	0.88	44.32	3.53	2.56
		5610	0.40	0.62	64.52	1.90	2.50



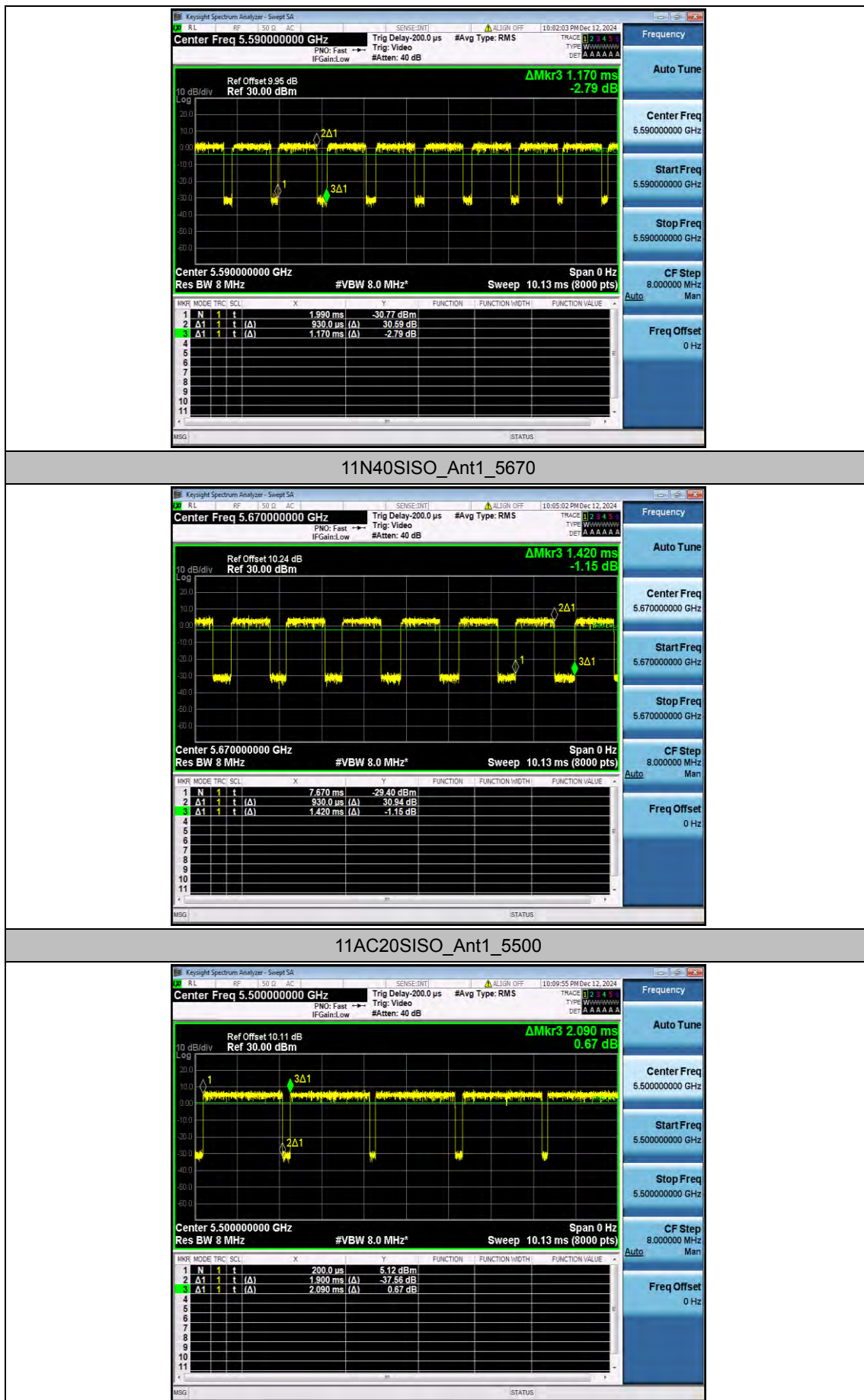
11N20SISO_Ant1_5700



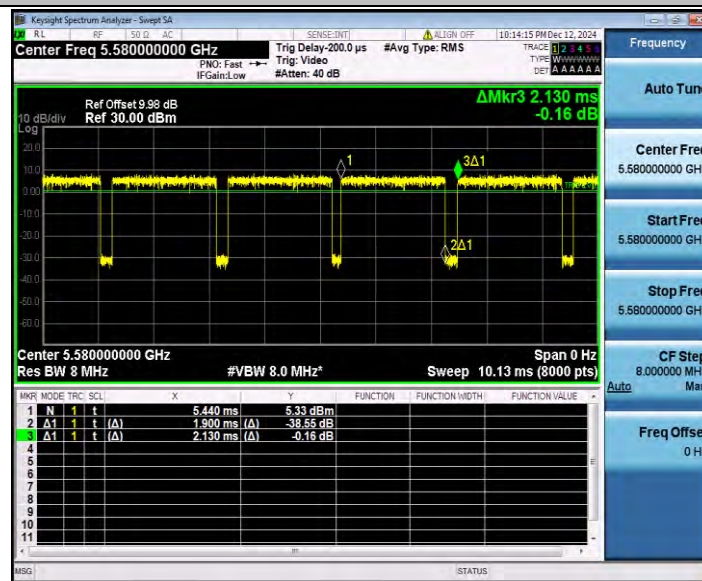
11N40SISO_Ant1_5510



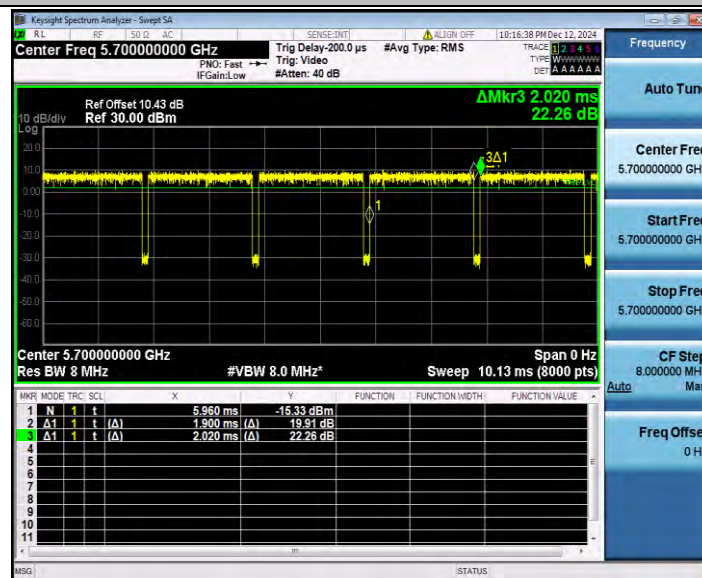
11N40SISO_Ant1_5590



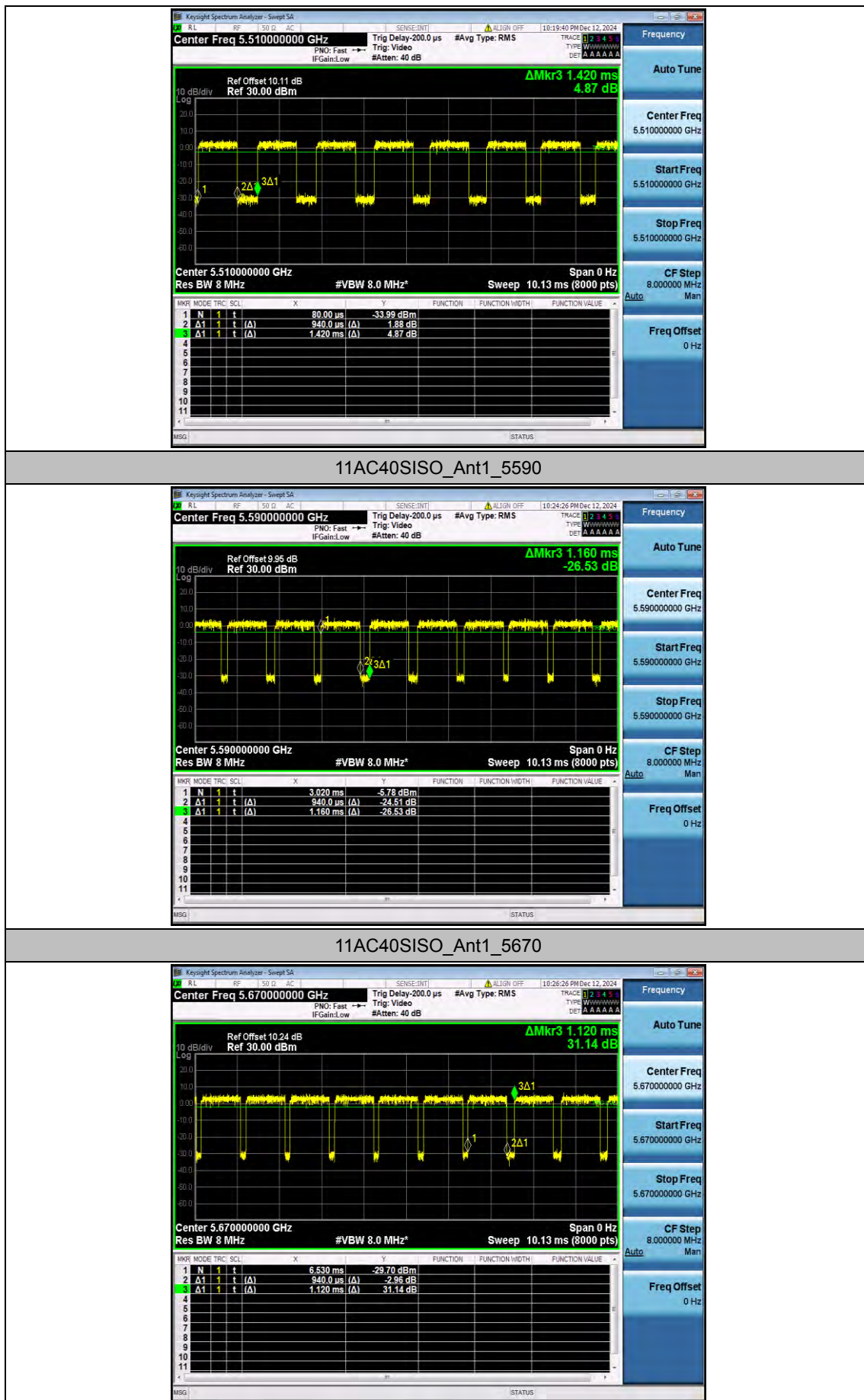
11AC20SISO_Ant1_5580

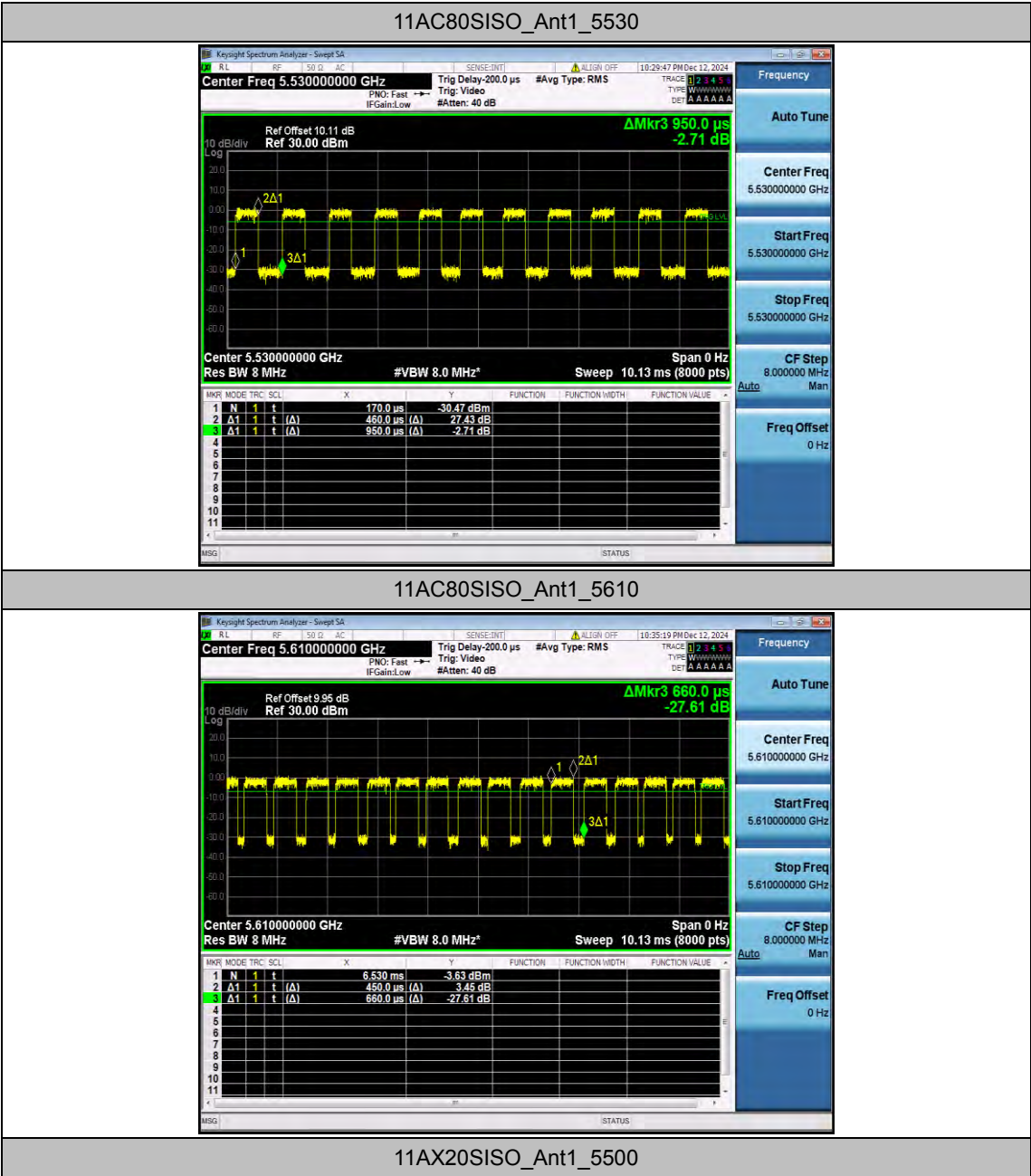


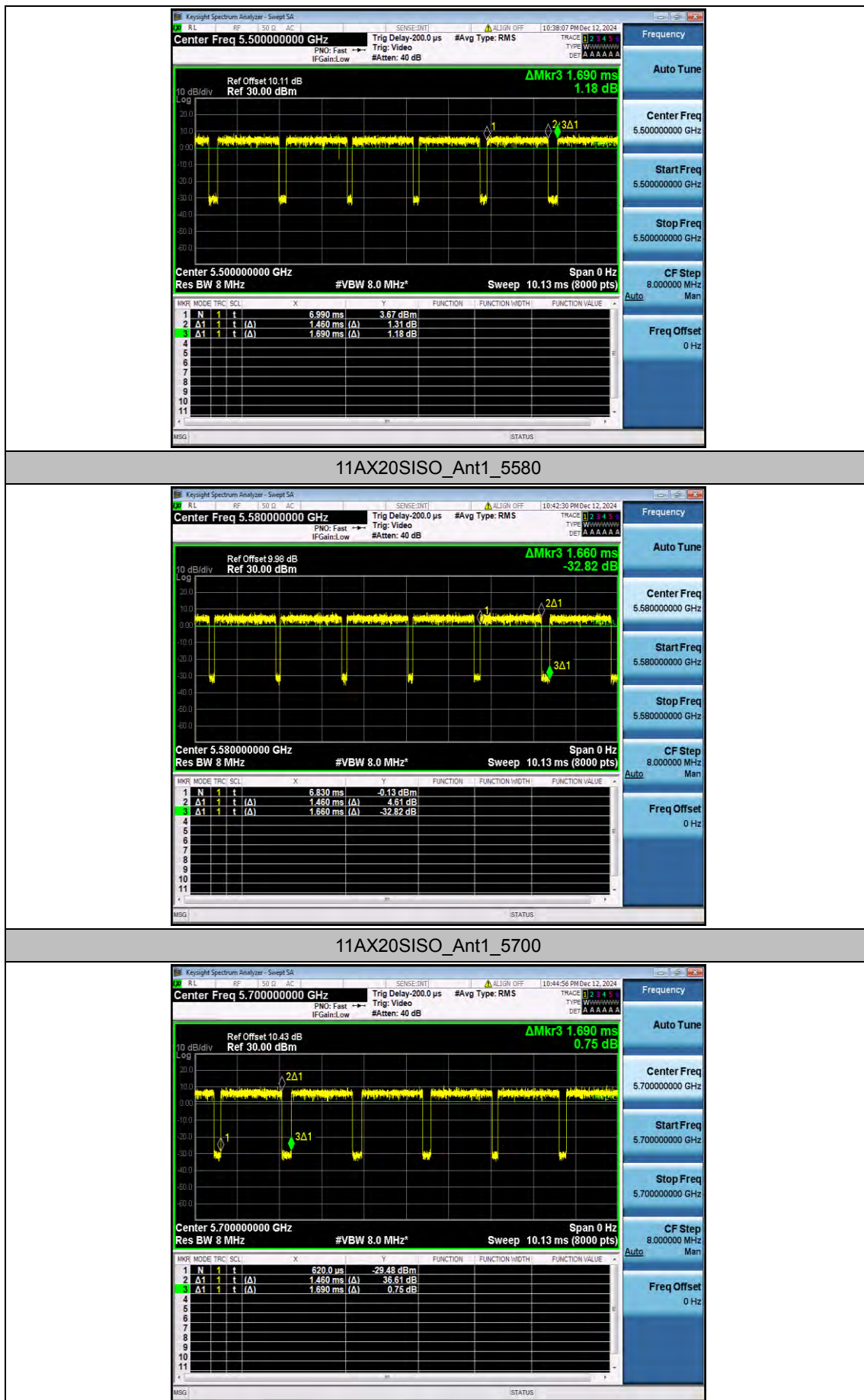
11AC20SISO_Ant1_5700



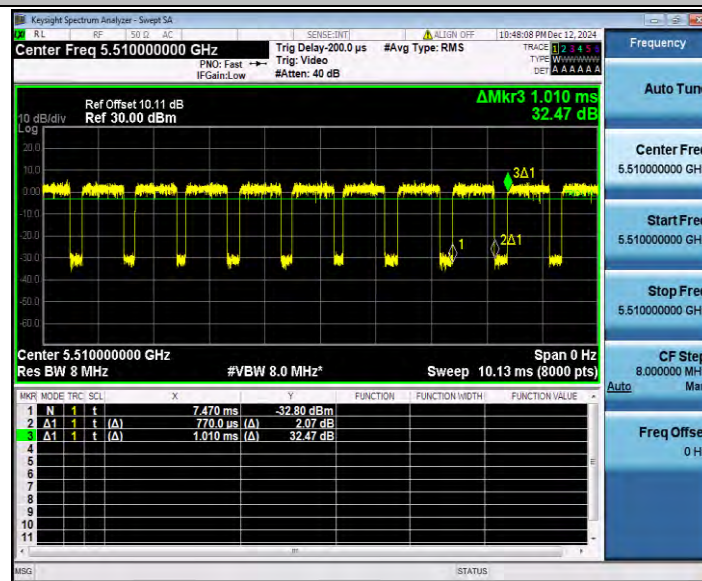
11AC40SISO_Ant1_5510



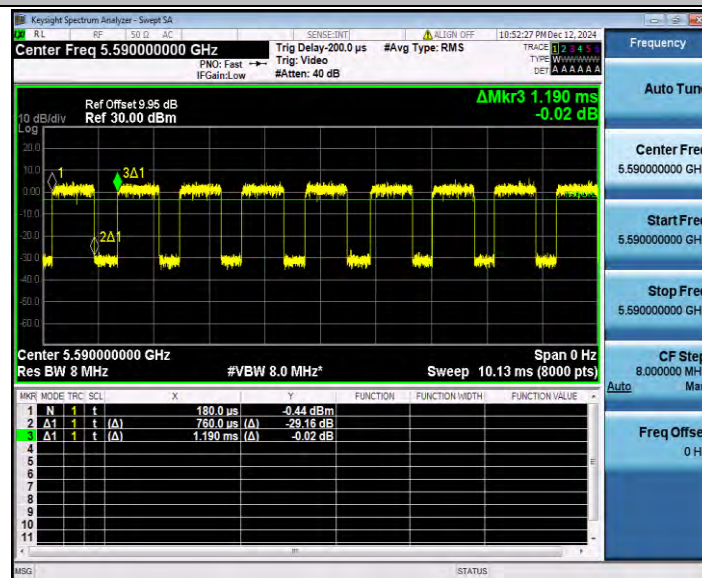




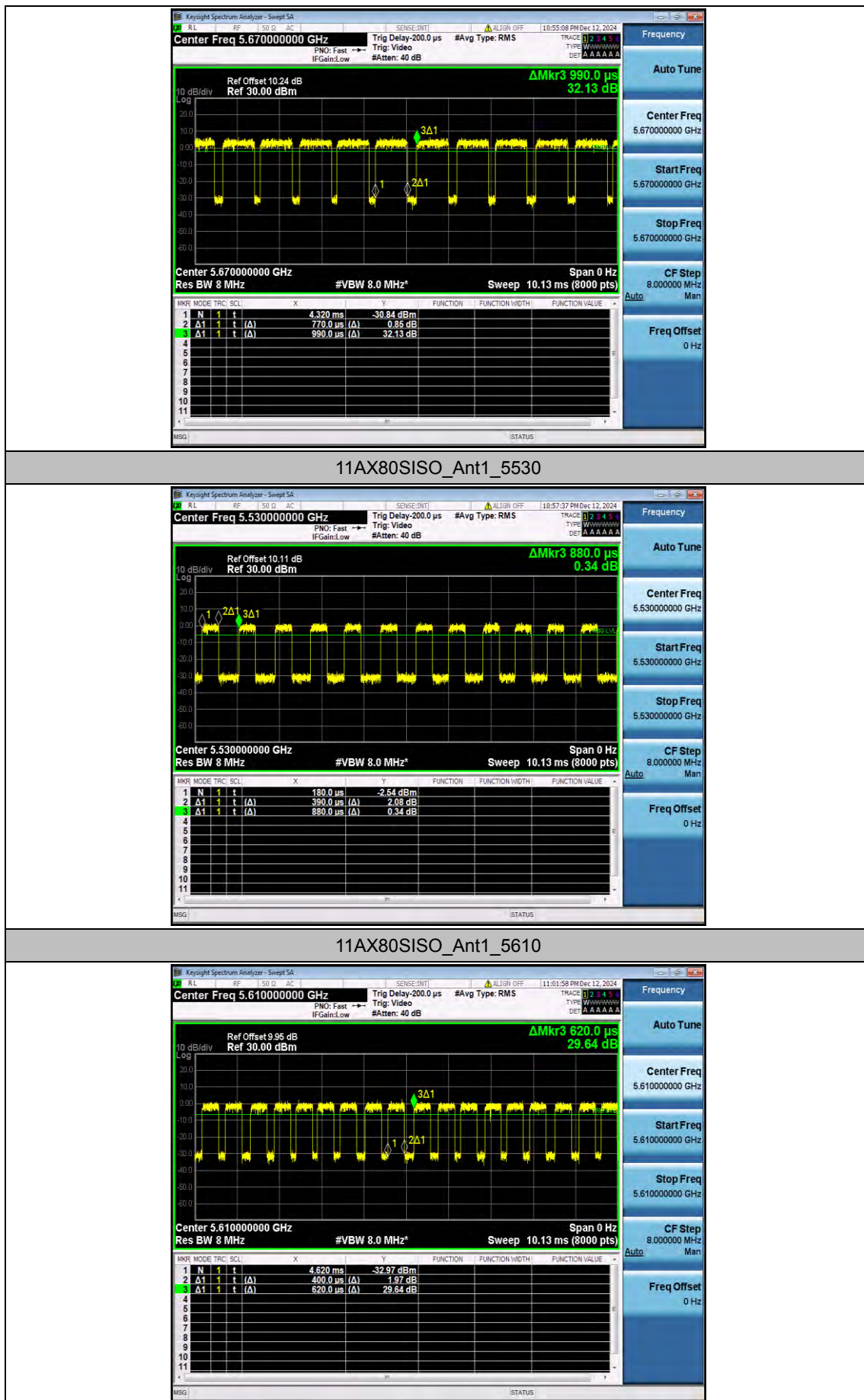
11AX40SISO_Ant1_5510



11AX40SISO_Ant1_5590



11AX40SISO_Ant1_5670



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	8.24	89.82	0.47	8.71	≤23.98	PASS
		5580	8.15	90.63	0.43	8.58	≤23.98	PASS
		5700	9.69	90.63	0.43	10.12	≤23.98	PASS
11N20SISO	Ant1	5500	9.23	89.57	0.48	9.71	≤23.98	PASS
		5580	9.09	88.73	0.52	9.61	≤23.98	PASS
		5700	10.83	93.10	0.31	11.14	≤23.98	PASS
11N40SISO	Ant1	5510	8.06	79.49	1.00	9.06	≤23.98	PASS
		5590	7.85	79.49	1.00	8.85	≤23.98	PASS
		5670	9.28	65.49	1.84	11.12	≤23.98	PASS
11AC20SISO	Ant1	5500	9.39	90.91	0.41	9.80	≤23.98	PASS
		5580	9.41	89.20	0.50	9.91	≤23.98	PASS
		5700	10.84	94.06	0.27	11.11	≤23.98	PASS
11AC40SISO	Ant1	5510	8.10	66.20	1.79	9.89	≤23.98	PASS
		5590	7.98	81.03	0.91	8.89	≤23.98	PASS
		5670	9.51	83.93	0.76	10.27	≤23.98	PASS
11AC80SISO	Ant1	5530	5.97	48.42	3.15	9.12	≤23.98	PASS
		5610	7.08	68.18	1.66	8.74	≤23.98	PASS
11AX20SISO	Ant1	5500	9.04	86.39	0.64	9.68	≤23.98	PASS
		5580	8.60	87.95	0.56	9.16	≤23.98	PASS
		5700	10.27	86.39	0.64	10.91	≤23.98	PASS
11AX40SISO	Ant1	5510	8.12	76.24	1.18	9.30	≤23.98	PASS
		5590	7.67	63.87	1.95	9.62	≤23.98	PASS
		5670	9.36	77.78	1.09	10.45	≤23.98	PASS
11AX80SISO	Ant1	5530	7.12	44.32	3.53	10.65	≤23.98	PASS
		5610	6.98	64.52	1.90	8.88	≤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	-3.11	≤11.00	PASS
		5580	-3.01	≤11.00	PASS
		5700	-1.38	≤11.00	PASS
11N20SISO	Ant1	5500	-2.35	≤11.00	PASS
		5580	-2.38	≤11.00	PASS
		5700	-0.88	≤11.00	PASS
11N40SISO	Ant1	5510	-5.28	≤11.00	PASS
		5590	-5.74	≤11.00	PASS
		5670	-3.56	≤11.00	PASS
11AC20SISO	Ant1	5500	-2.38	≤11.00	PASS
		5580	-2.10	≤11.00	PASS
		5700	-0.95	≤11.00	PASS
11AC40SISO	Ant1	5510	-4.18	≤11.00	PASS
		5590	-5.78	≤11.00	PASS
		5670	-4.32	≤11.00	PASS
11AC80SISO	Ant1	5530	-6.48	≤11.00	PASS
		5610	-7.75	≤11.00	PASS
11AX20SISO	Ant1	5500	-2.83	≤11.00	PASS
		5580	-3.04	≤11.00	PASS
		5700	-1.33	≤11.00	PASS
11AX40SISO	Ant1	5510	-5.77	≤11.00	PASS
		5590	-5.67	≤11.00	PASS
		5670	-5.12	≤11.00	PASS
11AX80SISO	Ant1	5530	-6.56	≤11.00	PASS
		5610	-7.95	≤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



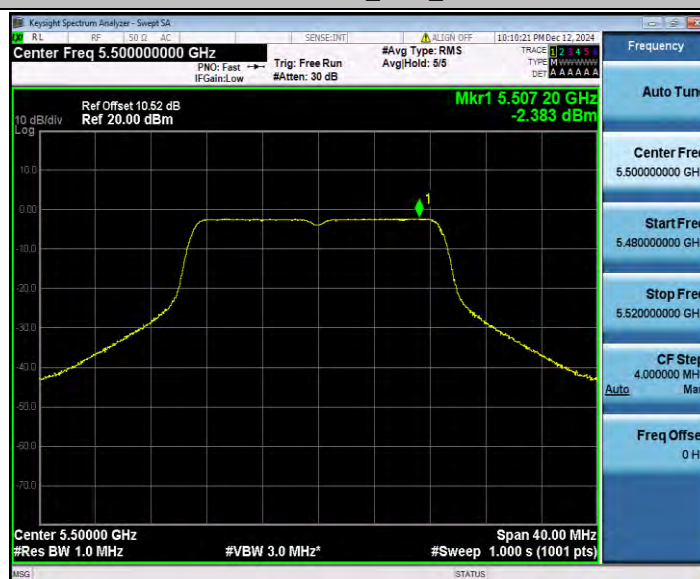
11N40SISO_Ant1_5590



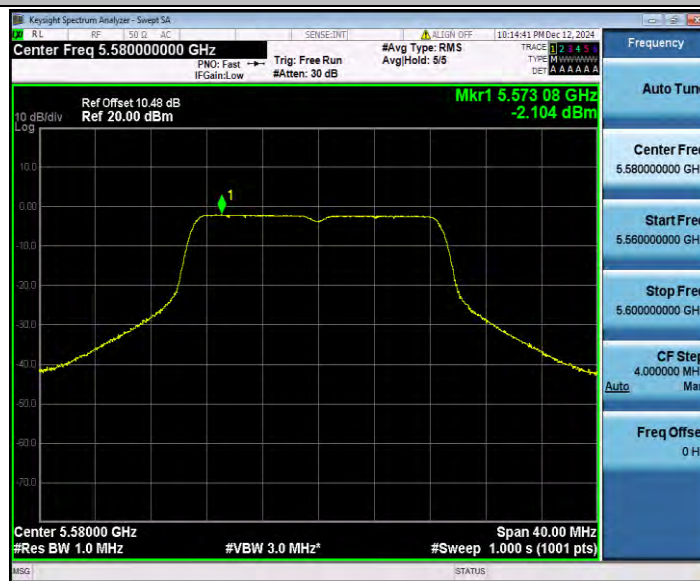
11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



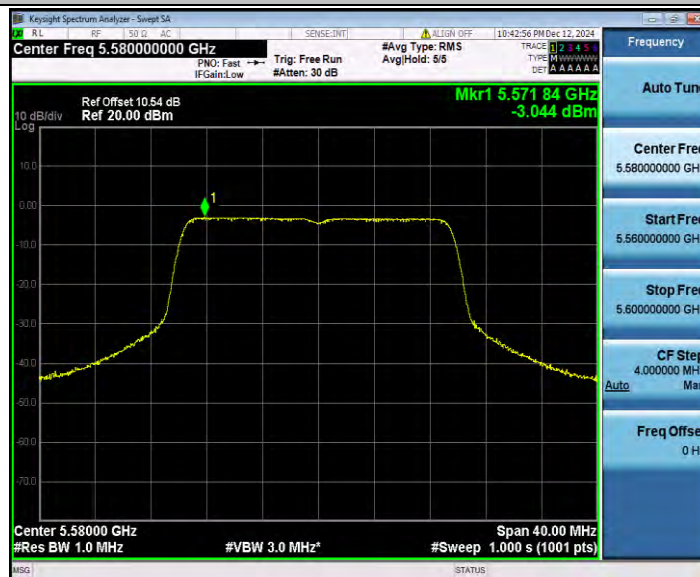
11AC80SISO_Ant1_5610



11AX20SISO_Ant1_5500



11AX20SISO_Ant1_5580



11AX20SISO_Ant1_5700



11AX40SISO_Ant1_5510



11AX40SISO_Ant1_5590



11AX40SISO_Ant1_5670



11AX80SISO_Ant1_5530



11AX80SISO_Ant1_5610

