

Case No. : GTS20231208004-1-38	
Ambient Condition: 22 °C, 49 %RH	
According Standard: ■Part15E	
Test Date: 2024.2.19	Test Engineer: Evan ouyang

Appendix F.1: Emission Bandwidth

Test Result

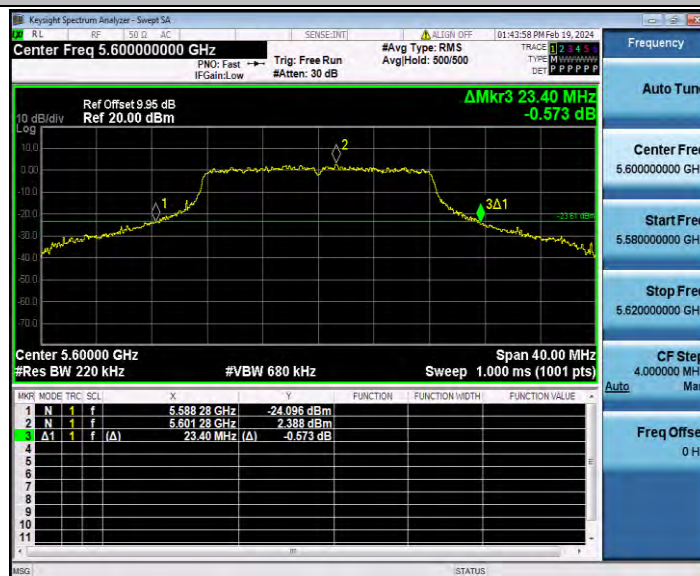
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	22.160	5488.960	5511.120	---	---
		5600	23.080	5588.000	5611.080	---	---
		5700	22.760	5688.320	5711.080	---	---
11N20SISO	Ant1	5500	23.240	5488.520	5511.760	---	---
		5600	23.400	5588.280	5611.680	---	---
		5700	23.520	5688.240	5711.760	---	---
11N40SISO	Ant1	5510	39.680	5490.240	5529.920	---	---
		5590	39.200	5570.480	5609.680	---	---
		5670	39.440	5650.240	5689.680	---	---
11AC20SISO	Ant1	5500	23.160	5488.640	5511.800	---	---
		5600	23.520	5588.160	5611.680	---	---
		5700	23.000	5688.480	5711.480	---	---
11AC40SISO	Ant1	5510	39.680	5490.240	5529.920	---	---
		5590	39.600	5570.080	5609.680	---	---
		5670	39.360	5650.320	5689.680	---	---
11AC80SISO	Ant1	5530	80.160	5490.000	5570.160	---	---
		5610	80.160	5570.000	5650.160	---	---
11AX20SISO	Ant1	5500	27.960	5487.360	5515.320	---	---
		5600	28.920	5584.160	5613.080	---	---
		5700	27.560	5687.480	5715.040	---	---
11AX40SISO	Ant1	5510	39.920	5490.080	5530.000	---	---
		5590	39.680	5570.160	5609.840	---	---
		5670	40.000	5650.080	5690.080	---	---
11AX80SISO	Ant1	5530	80.480	5489.680	5570.160	---	---
		5610	80.480	5569.840	5650.320	---	---



11N20SISO_Ant1_5500



11N20SISO_Ant1_5600



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5600



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC80SISO_Ant1_5530



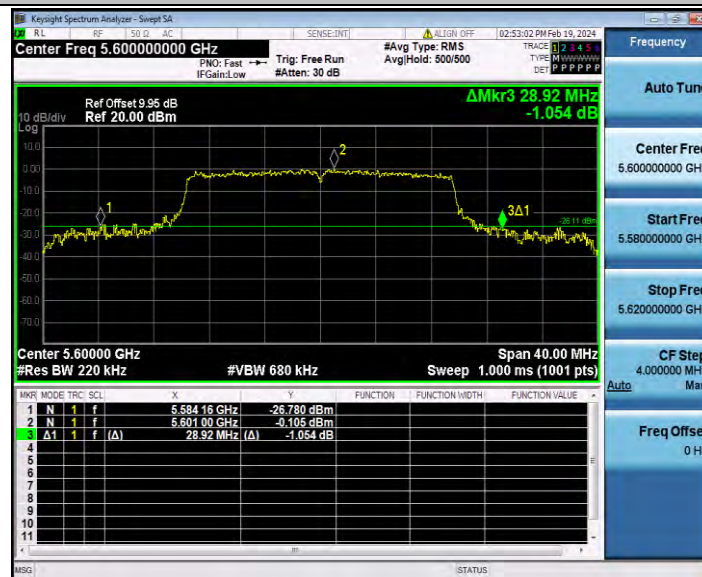
11AC80SISO_Ant1_5610



11AX20SISO_Ant1_5500



11AX20SISO_Ant1_5600



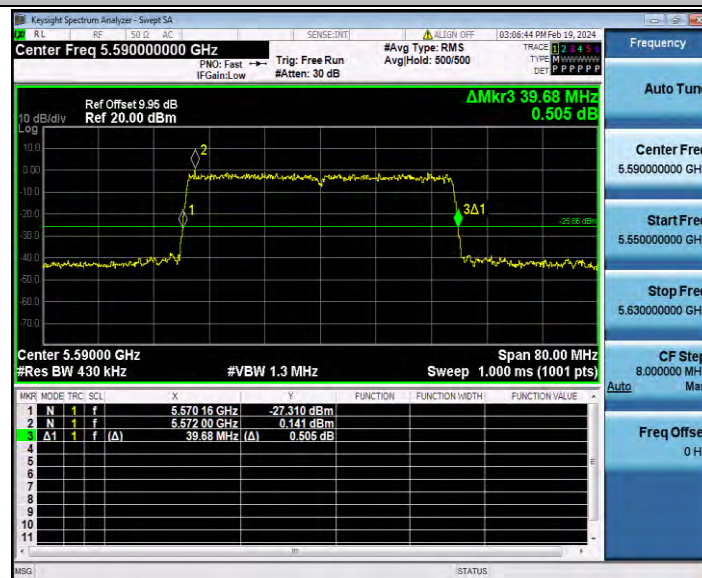
11AX20SISO_Ant1_5700



11AX40SISO_Ant1_5510



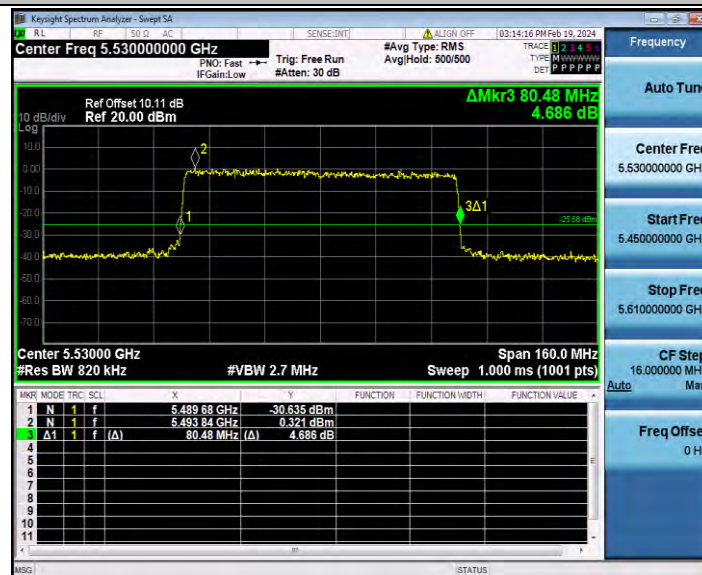
11AX40SISO_Ant1_5590



11AX40SISO_Ant1_5670



11AX80ISO_Ant1_5530



11AX80ISO_Ant1_5610

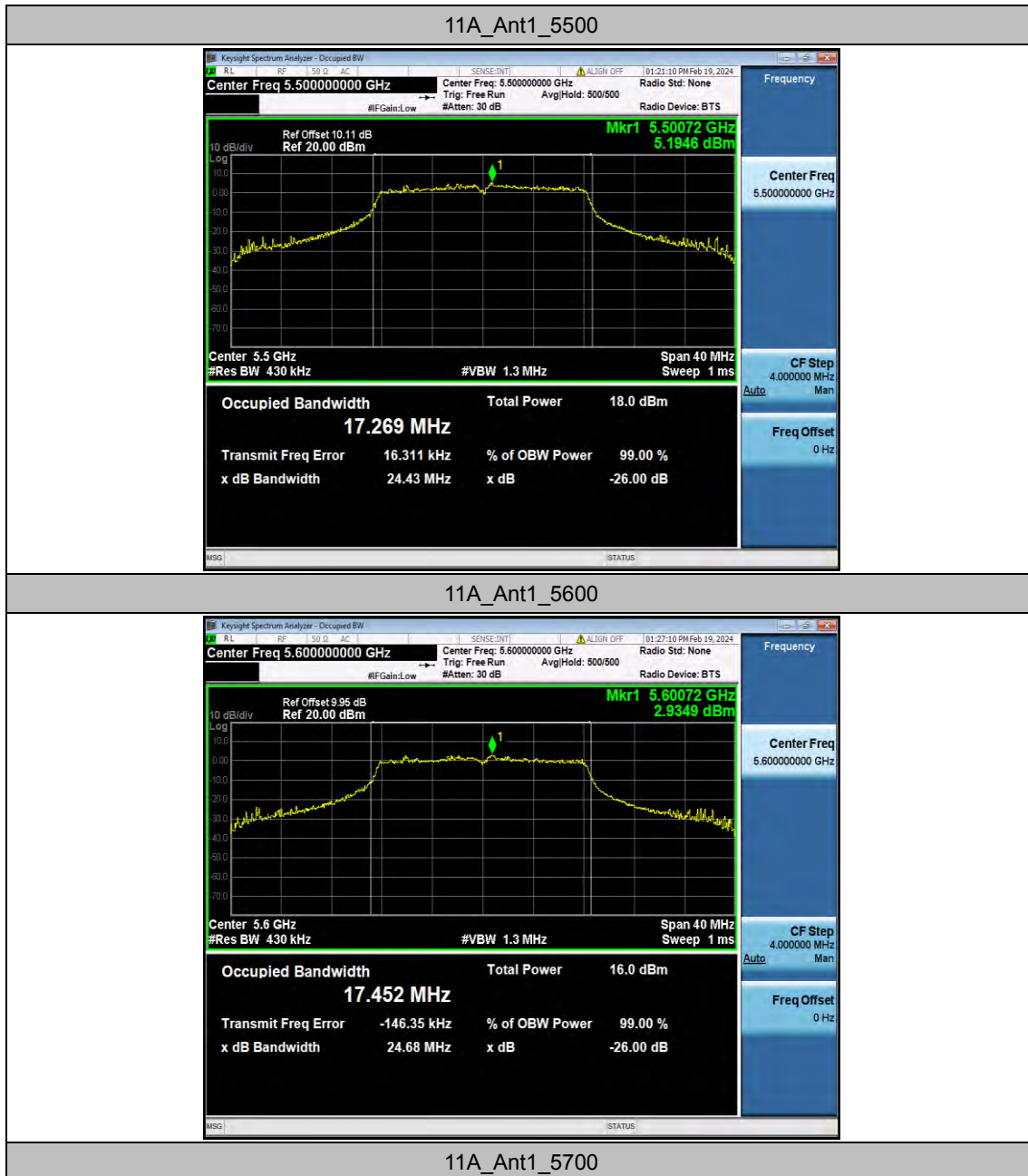


Appendix F.2: Occupied channel bandwidth

Test Result

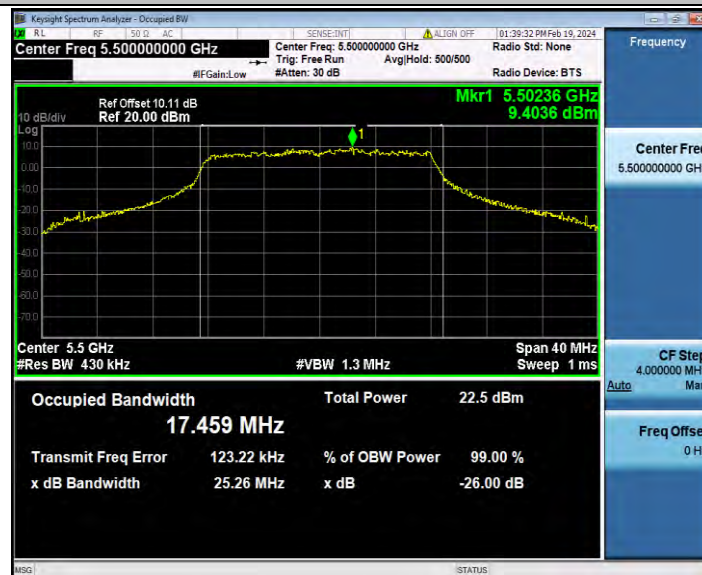
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	17.269	5491.3818	5508.6508	---	---
		5600	17.452	5591.1277	5608.5797	---	---
		5700	17.432	5691.1599	5708.5919	---	---
11N20SISO	Ant1	5500	17.459	5491.3937	5508.8527	---	---
		5600	17.570	5591.1495	5608.7195	---	---
		5700	17.505	5691.2369	5708.7419	---	---
11N40SISO	Ant1	5510	35.937	5492.0726	5528.0096	---	---
		5590	35.906	5572.0338	5607.9398	---	---
		5670	35.884	5652.0551	5687.9391	---	---
11AC20SISO	Ant1	5500	18.244	5490.8545	5509.0985	---	---
		5600	18.303	5590.7785	5609.0815	---	---
		5700	18.295	5690.7868	5709.0818	---	---
11AC40SISO	Ant1	5510	35.917	5492.1045	5528.0215	---	---
		5590	35.944	5572.0091	5607.9531	---	---
		5670	35.912	5652.0495	5687.9615	---	---
11AC80SISO	Ant1	5530	75.414	5492.2440	5567.6580	---	---
		5610	75.538	5572.2062	5647.7442	---	---
11AX20SISO	Ant1	5500	19.283	5490.3720	5509.6550	---	---
		5600	19.306	5590.3154	5609.6214	---	---
		5700	19.308	5690.3443	5709.6523	---	---
11AX40SISO	Ant1	5510	37.954	5491.0071	5528.9611	---	---
		5590	37.917	5571.0165	5608.9335	---	---
		5670	37.949	5650.9907	5688.9397	---	---
11AX80SISO	Ant1	5530	77.654	5491.1149	5568.7689	---	---
		5610	77.887	5571.0231	5648.9101	---	---

Test Graphs

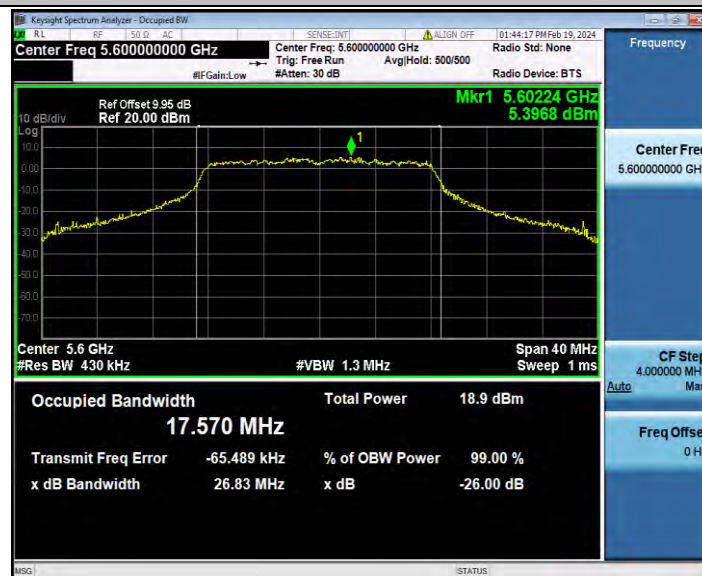




11N20SISO_Ant1_5500



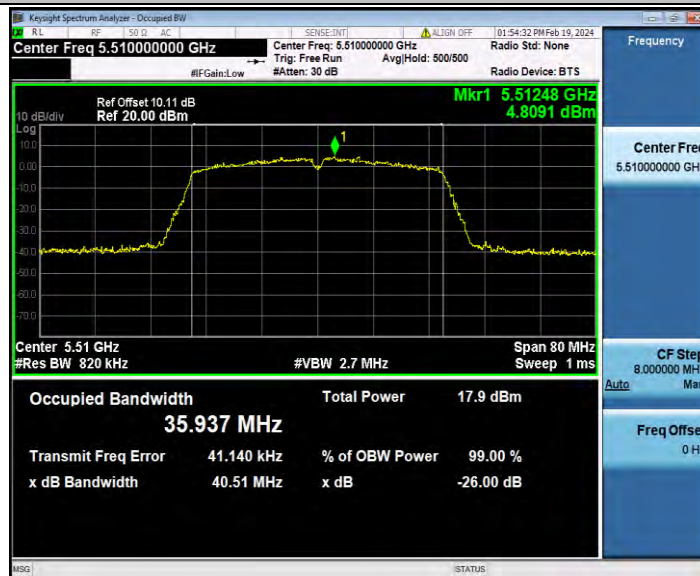
11N20SISO_Ant1_5600



11N20SISO_Ant1_5700



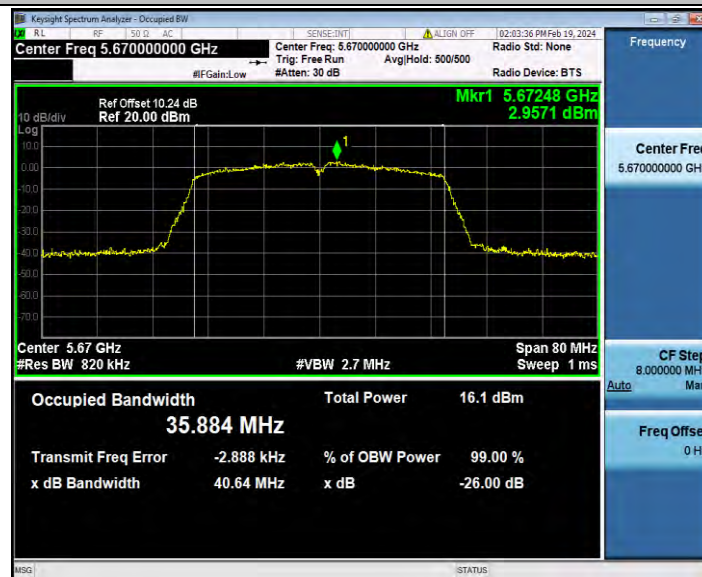
11N40SISO_Ant1_5510



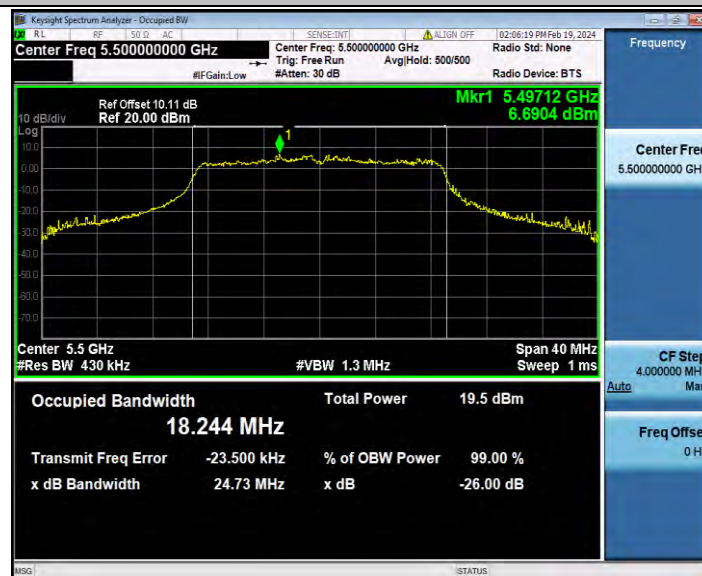
11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



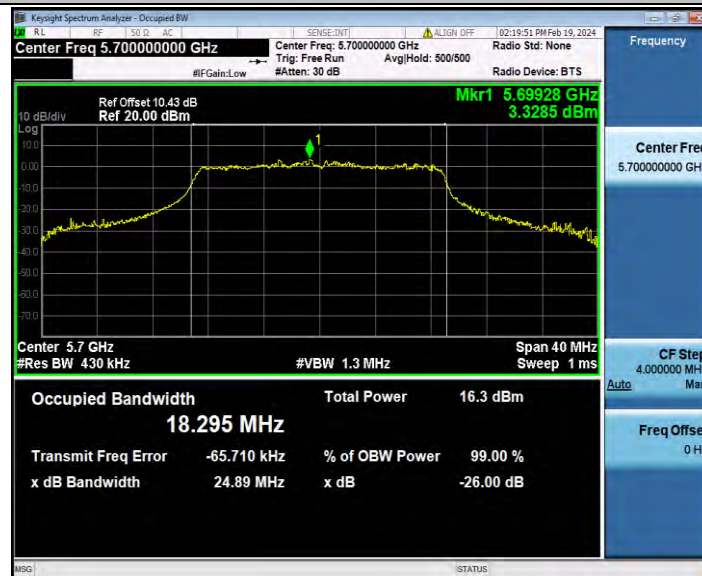
11AC20SISO_Ant1_5500



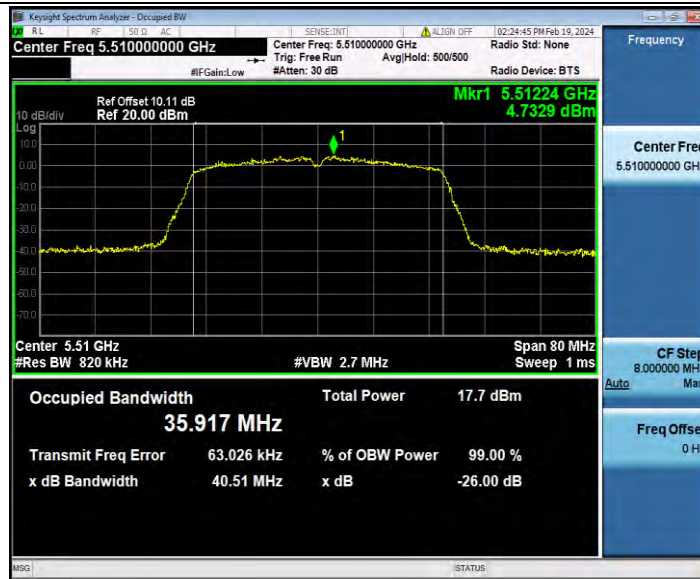
11AC20SISO_Ant1_5600



11AC20SISO_Ant1_5700



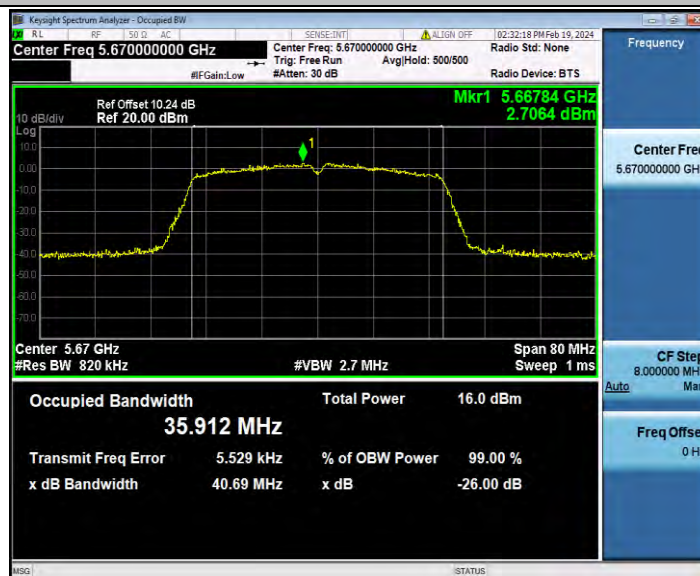
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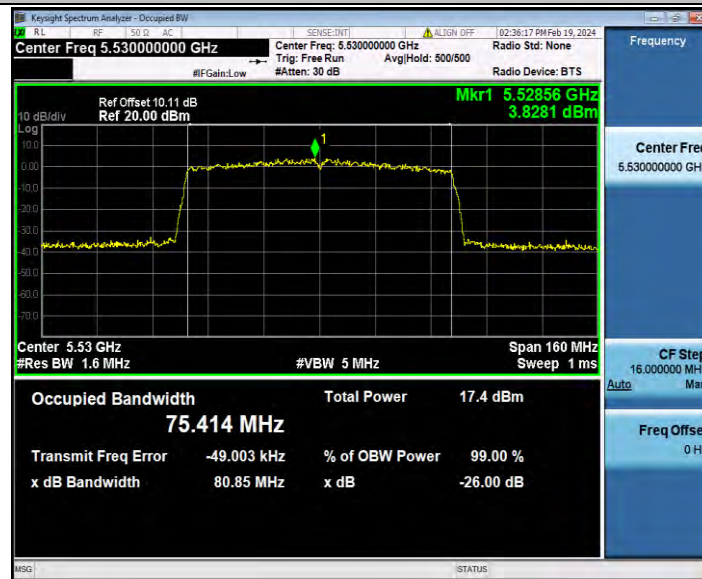
11AC40SISO_Ant1_5590



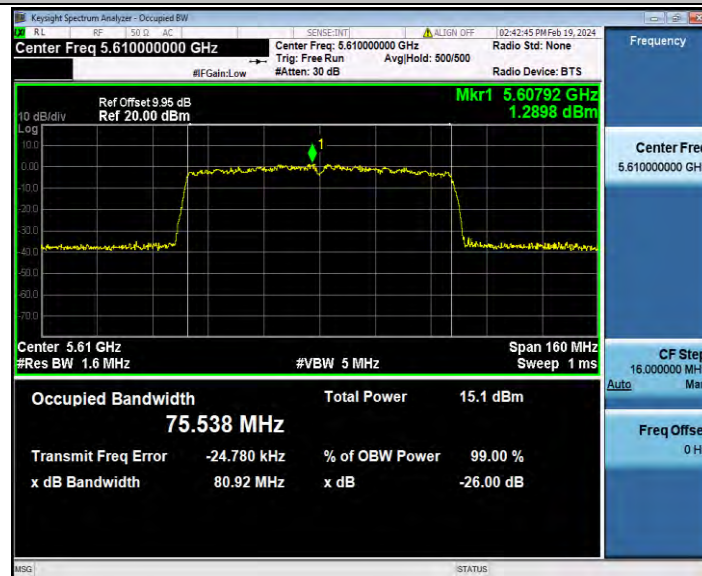
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



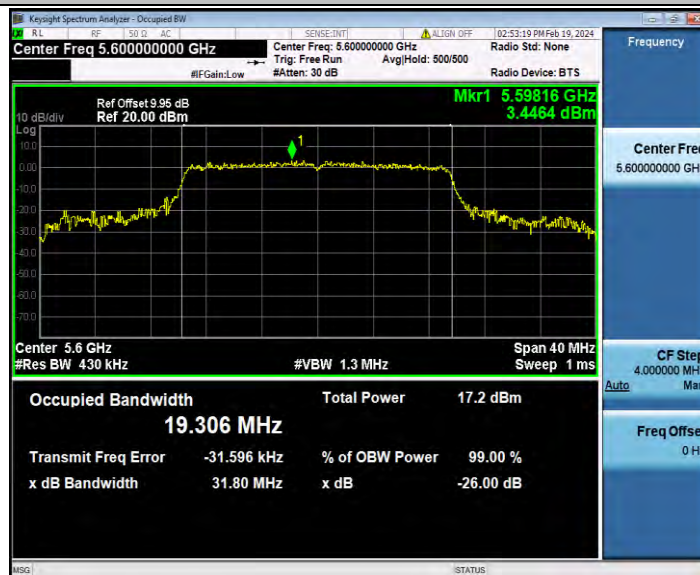
11AC80SISO_Ant1_5610



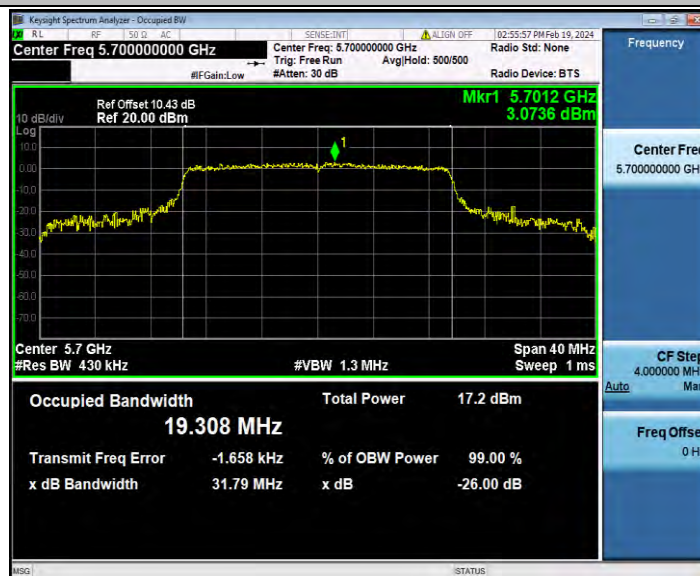
11AX20SISO_Ant1_5500



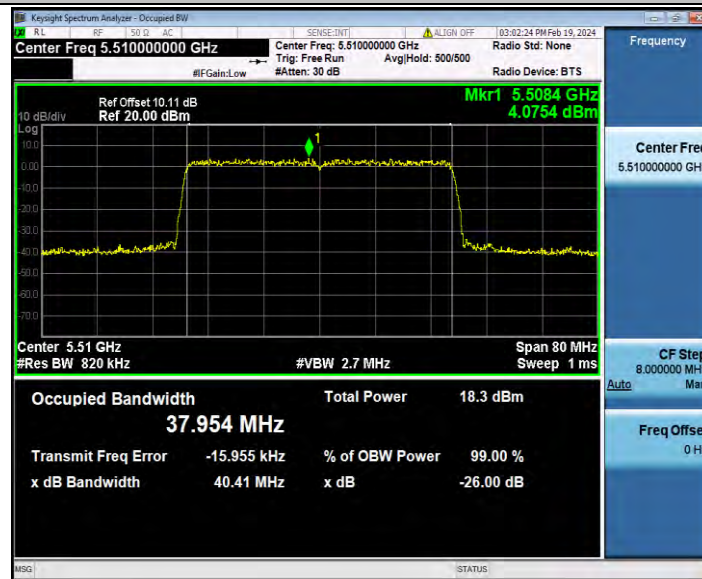
11AX20SISO_Ant1_5600



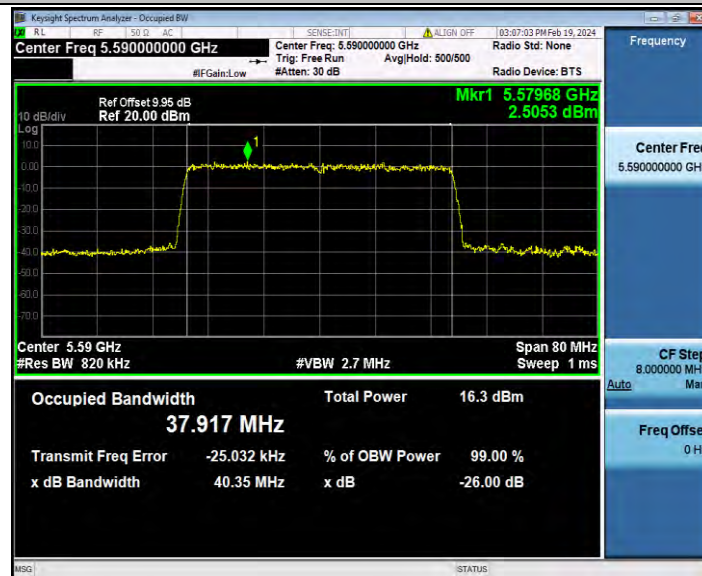
11AX20SISO_Ant1_5700



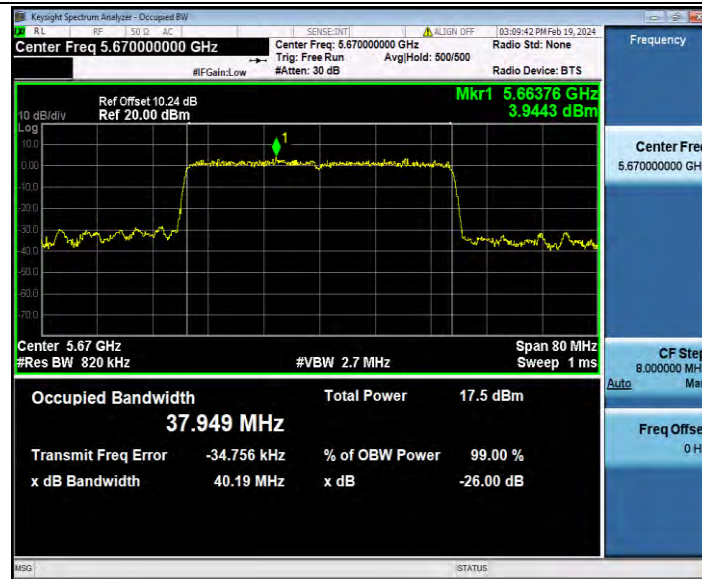
11AX40SISO_Ant1_5510



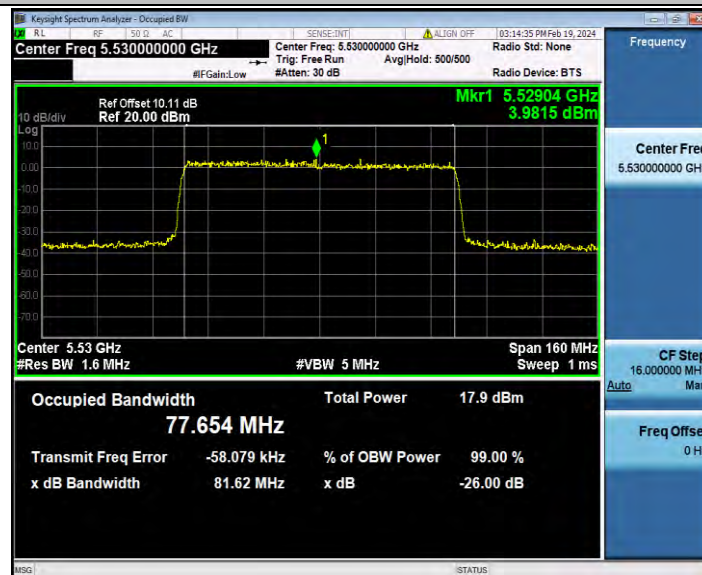
11AX40SISO_Ant1_5590



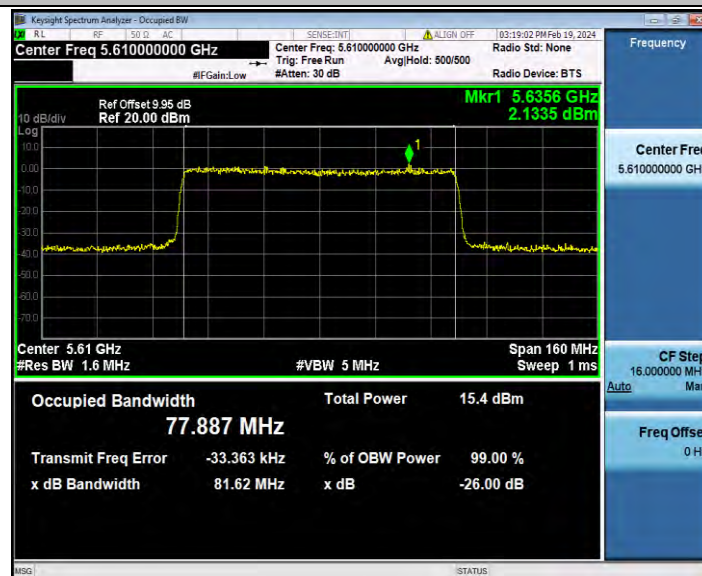
11AX40SISO_Ant1_5670



11AX80SISO_Ant1_5530



11AX80SISO_Ant1_5610



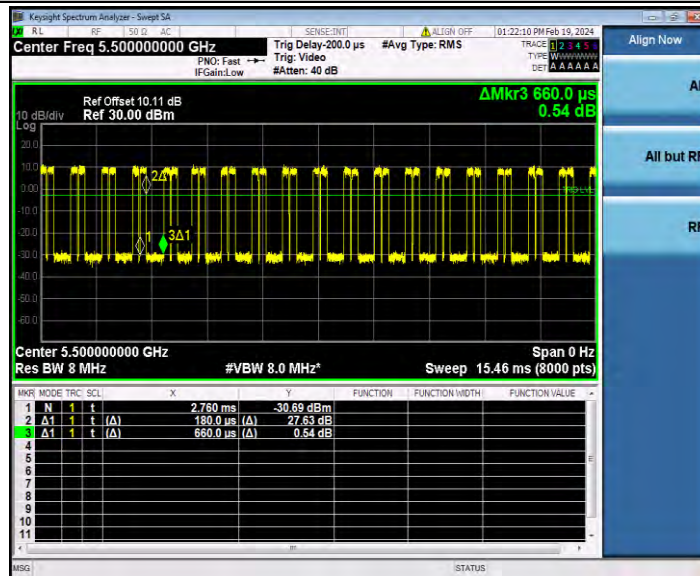
Appendix F.3: Duty Cycle

Test Result

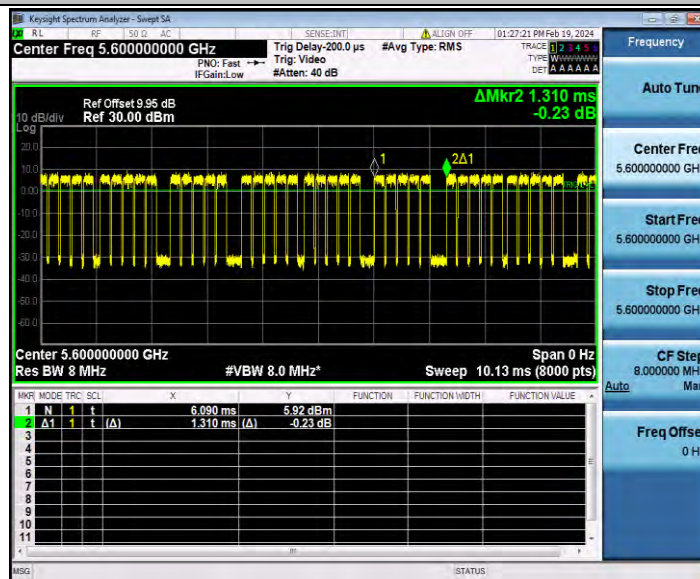
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor [KHz]
11A	Ant1	5500	0.18	0.66	27.27	5.64	5.56
		5600	0.88	1.31	67.18	1.73	1.14
		5700	0.18	0.36	50.00	3.01	5.56
11N20SISO	Ant1	5500	0.71	0.75	94.67	0.24	1.41
		5600	0.71	0.74	95.95	0.18	1.41
		5700	0.71	0.74	95.95	0.18	1.41
11N40SISO	Ant1	5510	2.81	4.13	68.04	1.67	0.36
		5590	3.33	4.80	69.38	1.59	0.30
		5670	3.32	4.80	69.17	1.60	0.30
11AC20SISO	Ant1	5500	0.17	0.21	80.95	0.92	5.88
		5600	0.17	0.20	85.00	0.71	5.88
		5700	0.16	0.20	80.00	0.97	6.25
11AC40SISO	Ant1	5510	3.33	4.80	69.38	1.59	0.30
		5590	3.33	4.80	69.38	1.59	0.30
		5670	4.57	6.56	69.66	1.57	0.22
11AC80SISO	Ant1	5530	2.47	5.07	48.72	3.12	0.40
		5610	2.43	5.07	47.93	3.19	0.41
11AX20SISO	Ant1	5500	0.16	0.19	84.21	0.75	6.25
		5600	0.15	0.19	78.95	1.03	6.67
		5700	0.15	0.19	78.95	1.03	6.67
11AX40SISO	Ant1	5510	2.89	5.07	57.00	2.44	0.35
		5590	3.81	6.73	56.61	2.47	0.26
		5670	2.88	5.09	56.58	2.47	0.35
11AX80SISO	Ant1	5530	2.55	5.08	50.20	2.99	0.39
		5610	3.38	6.71	50.37	2.98	0.30

Test Graphs

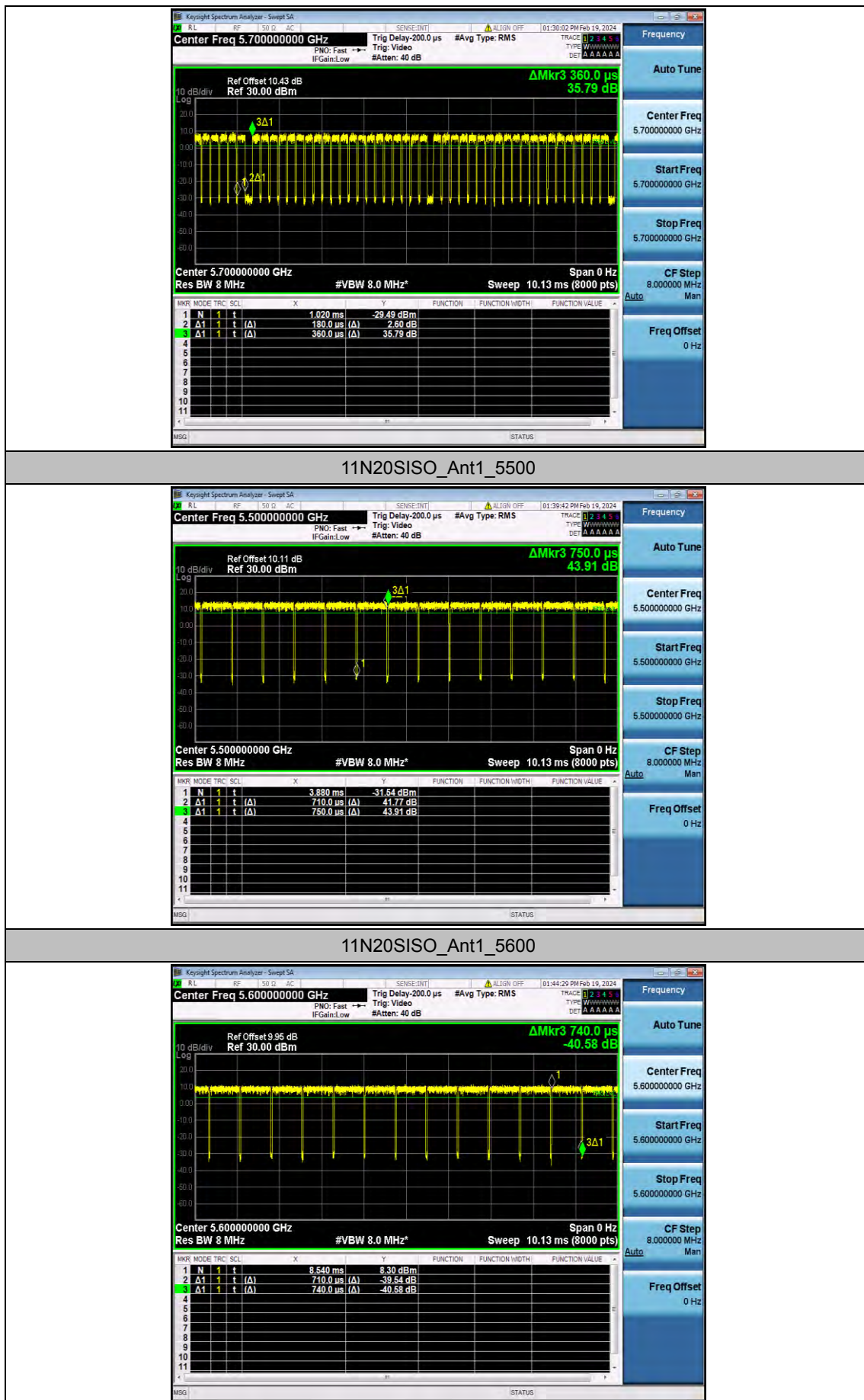
11A_Ant1_5500



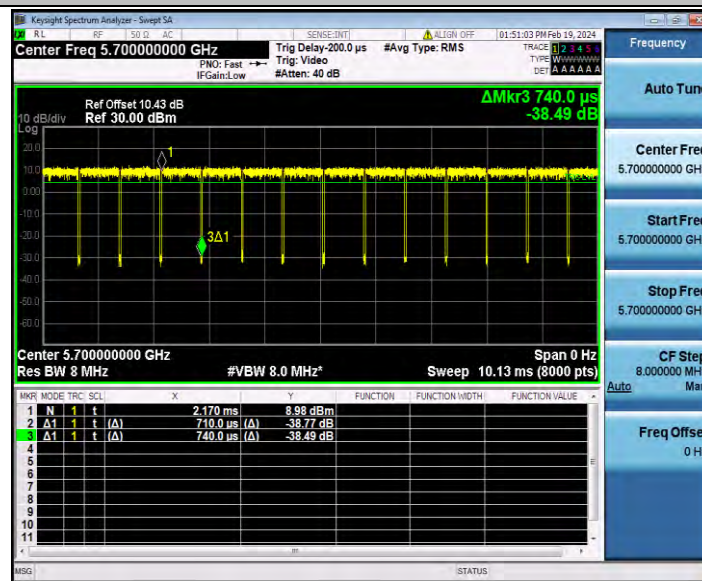
11A_Ant1_5600



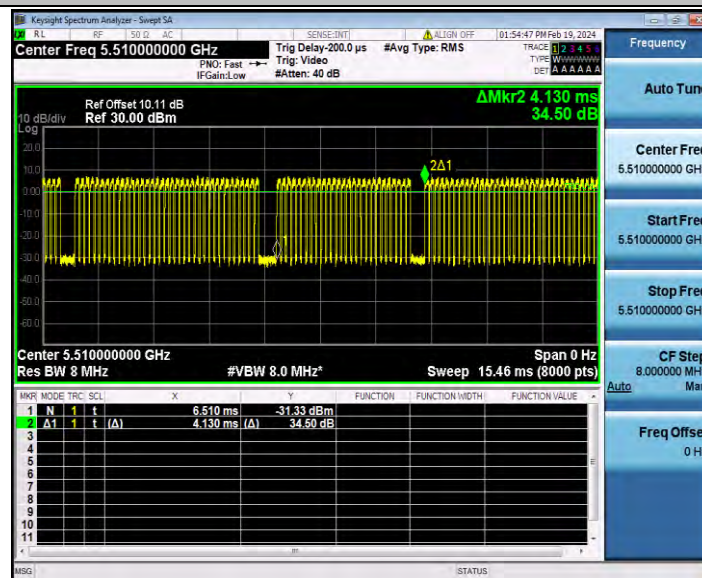
11A_Ant1_5700



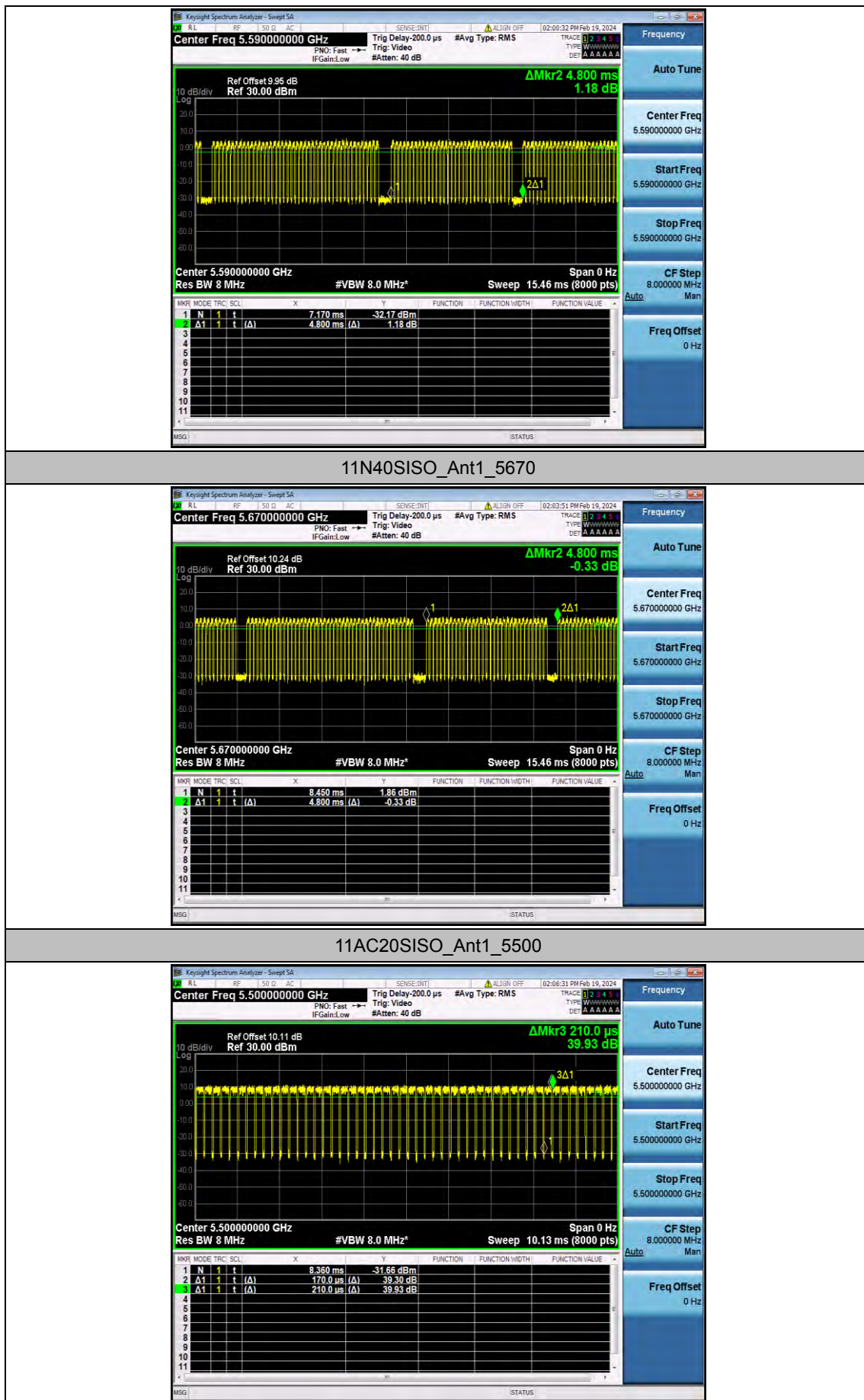
11N20SISO_Ant1_5700



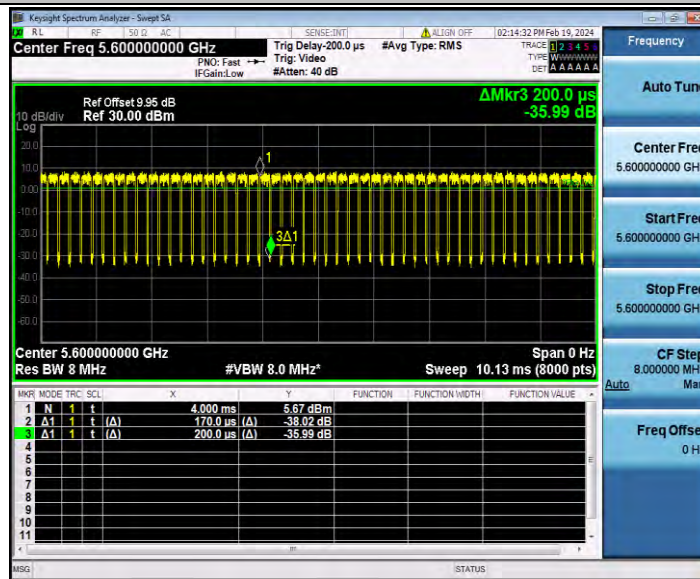
11N40SISO_Ant1_5510



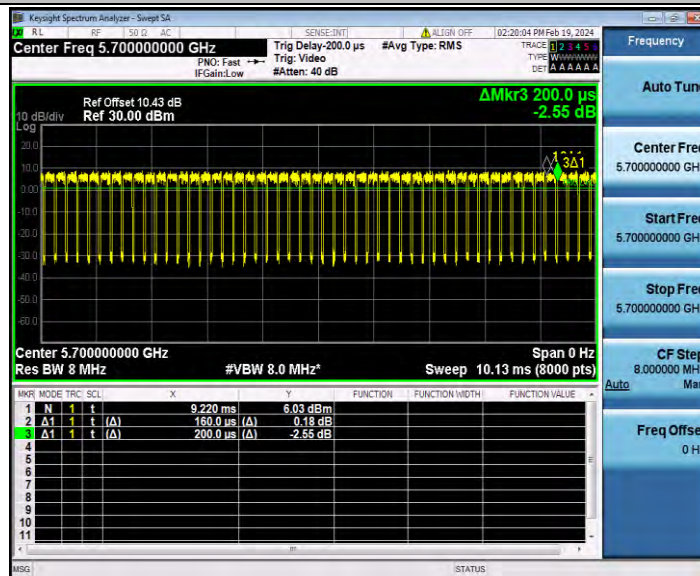
11N40SISO_Ant1_5590



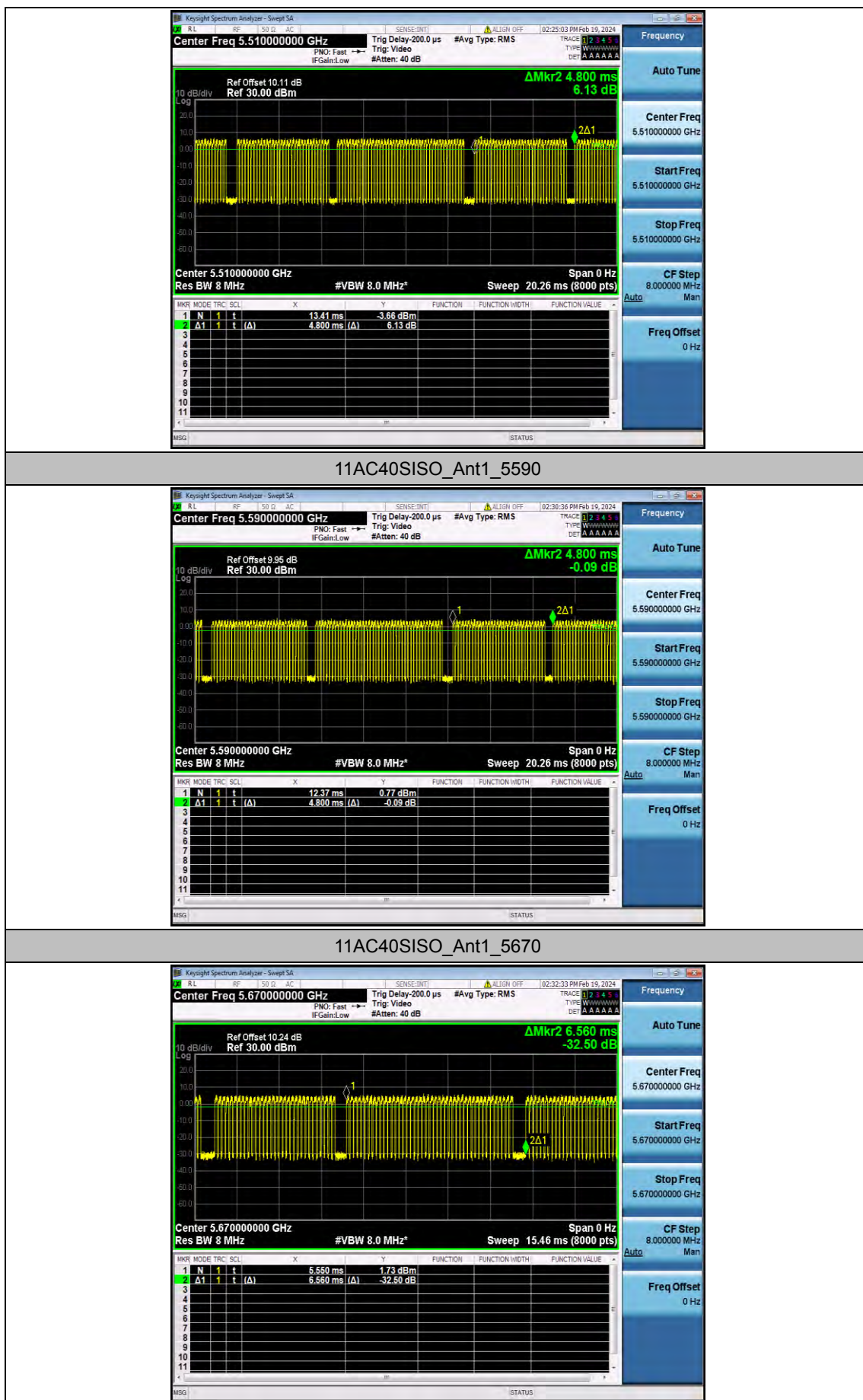
11AC20SISO_Ant1_5600

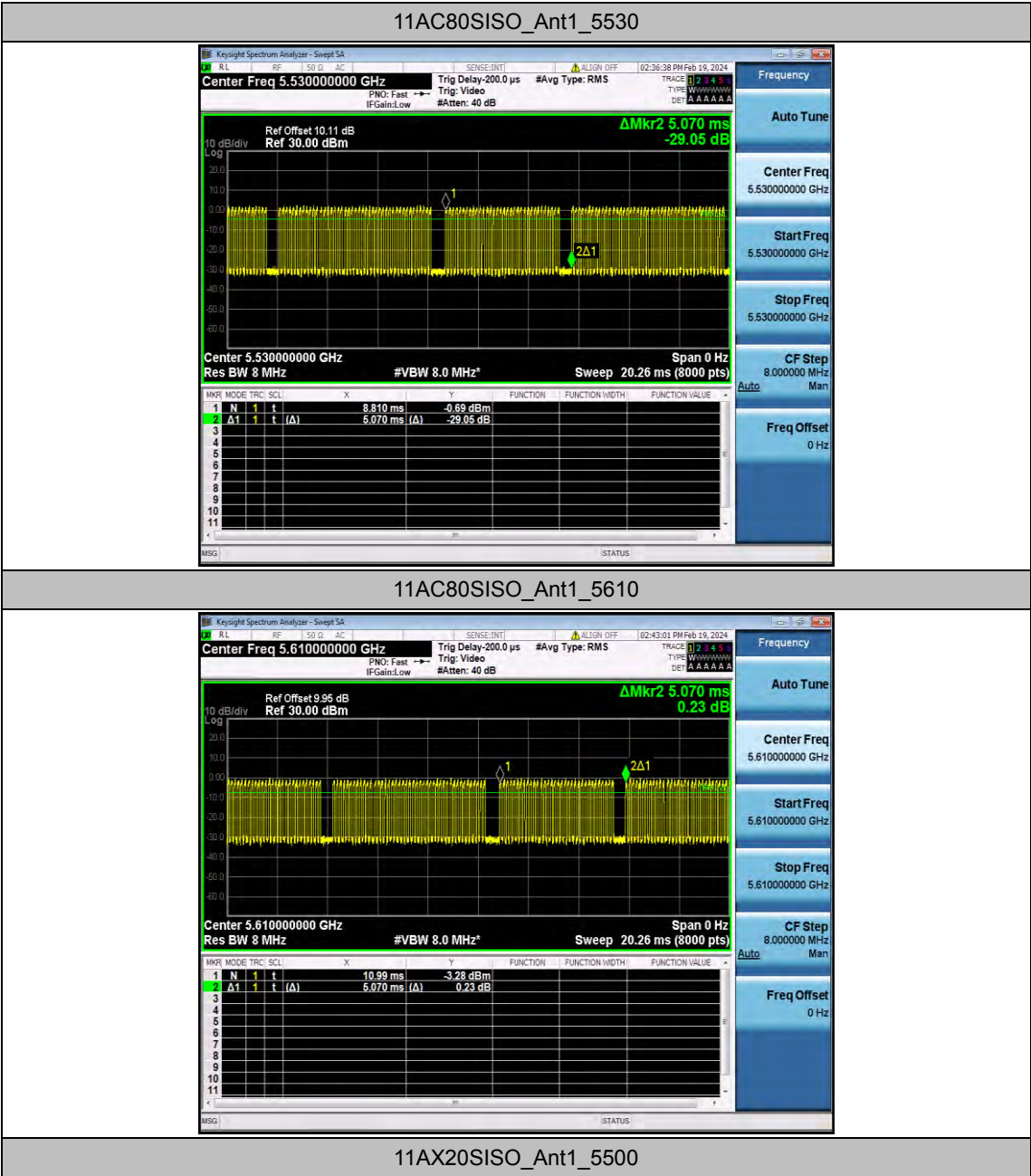


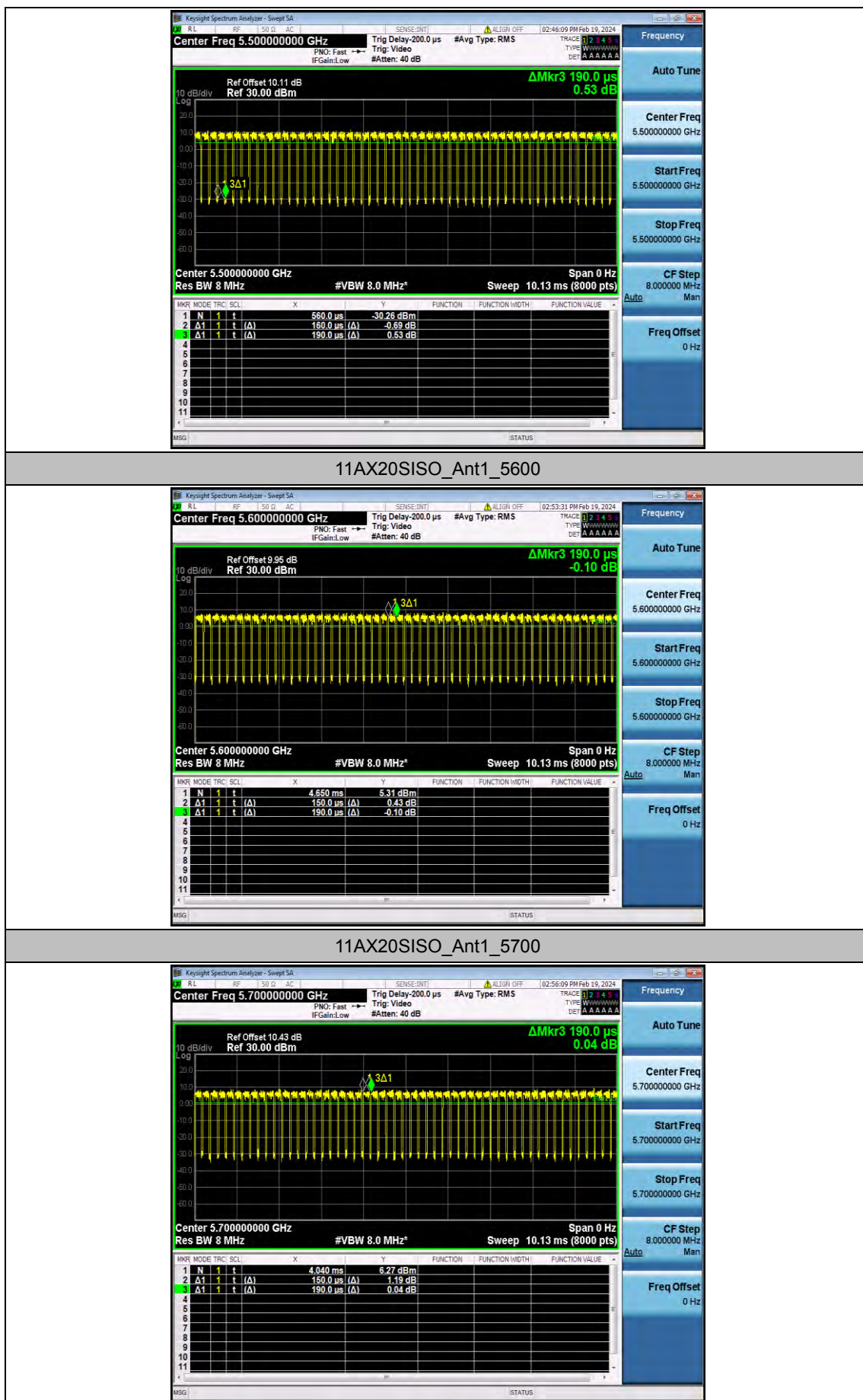
11AC20SISO_Ant1_5700

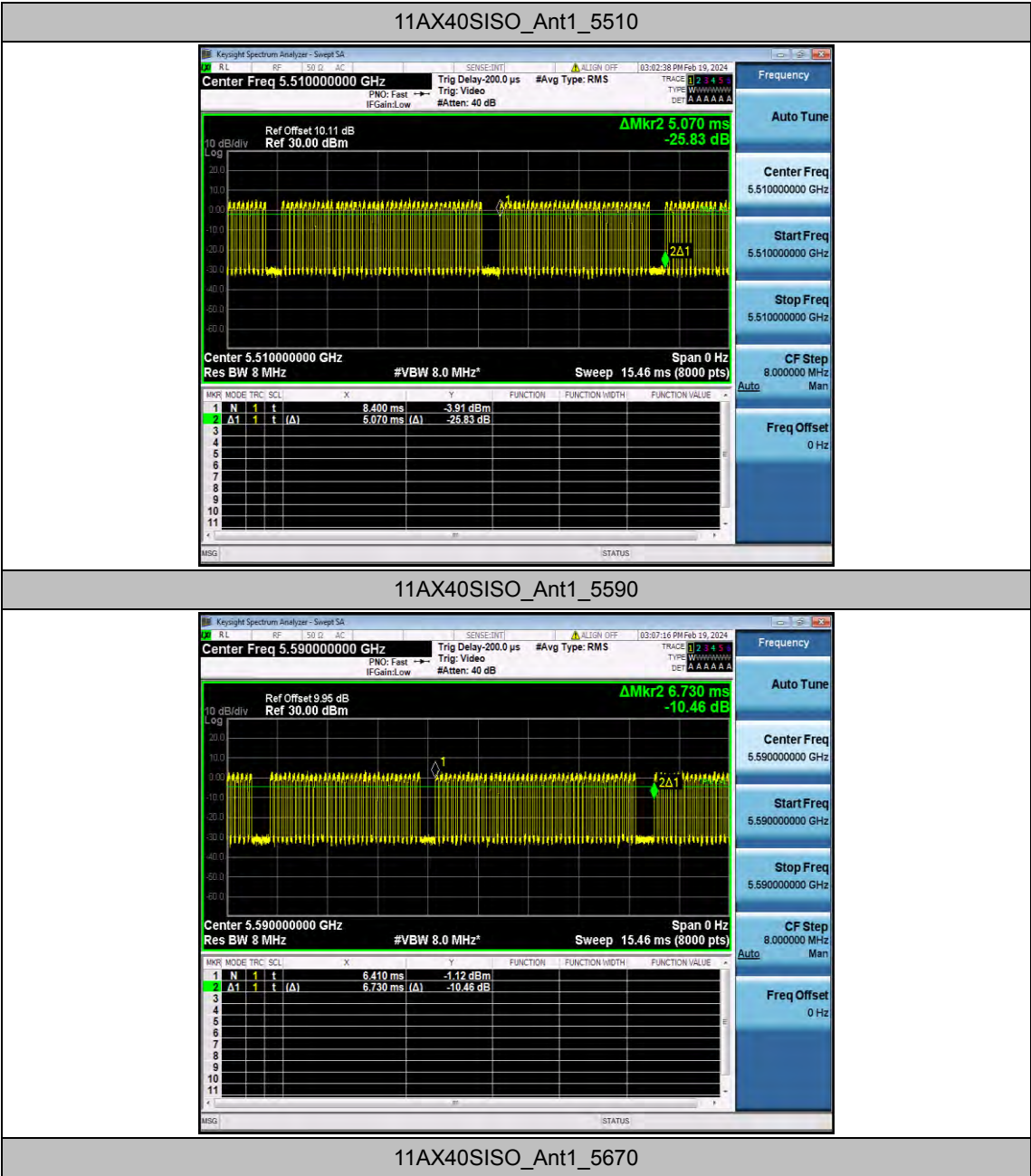


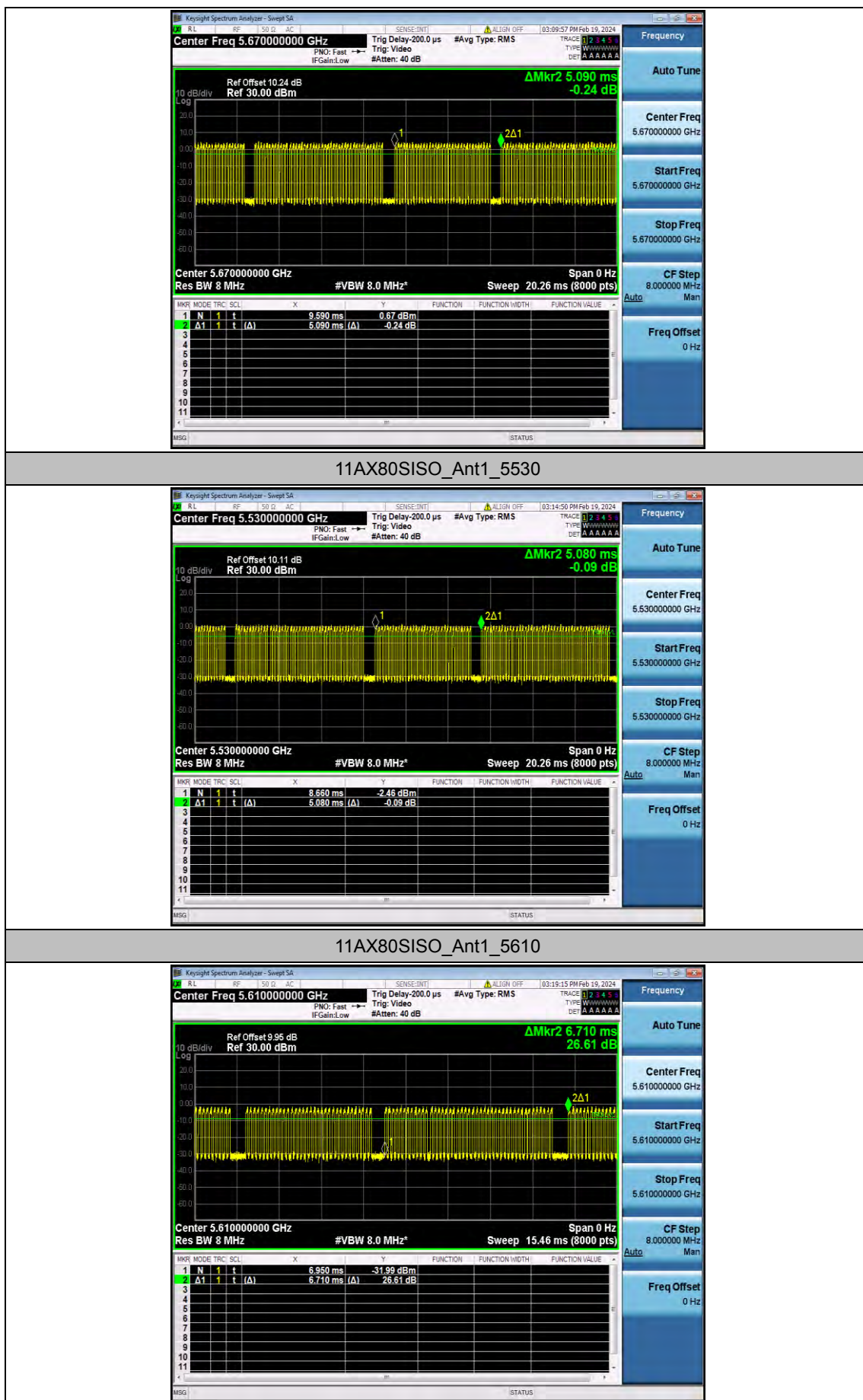
11AC40SISO_Ant1_5510











Appendix F.4: Maximum conducted output power

Test Result

Test Mode	Antenna	Freq (MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	7.63	27.27	5.64	13.27	≤23.98	PASS
		5600	7.43	67.18	1.73	9.16	≤23.98	PASS
		5700	8.18	50.00	3.01	11.19	≤23.98	PASS
11N20S ISO	Ant1	5500	15.38	94.67	0.24	15.62	≤23.98	PASS
		5600	11.77	95.95	0.18	11.95	≤23.98	PASS
		5700	12.15	95.95	0.18	12.33	≤23.98	PASS
11N40S ISO	Ant1	5510	8.53	68.04	1.67	10.20	≤23.98	PASS
		5590	6.48	69.38	1.59	8.07	≤23.98	PASS
		5670	7.01	69.17	1.60	8.61	≤23.98	PASS
11AC20 SISO	Ant1	5500	11.46	80.95	0.92	12.38	≤23.98	PASS
		5600	8.45	85.00	0.71	9.16	≤23.98	PASS
		5700	8.36	80.00	0.97	9.33	≤23.98	PASS
11AC40 SISO	Ant1	5510	8.47	69.38	1.59	10.06	≤23.98	PASS
		5590	6.30	69.38	1.59	7.89	≤23.98	PASS
		5670	6.91	69.66	1.57	8.48	≤23.98	PASS
11AC80 SISO	Ant1	5530	5.79	48.72	3.12	8.91	≤23.98	PASS
		5610	3.57	47.93	3.19	6.76	≤23.98	PASS
11AX20 SISO	Ant1	5500	11.36	84.21	0.75	12.11	≤23.98	PASS
		5600	8.38	78.95	1.03	9.41	≤23.98	PASS
		5700	8.50	78.95	1.03	9.53	≤23.98	PASS
11AX40 SISO	Ant1	5510	7.68	57.00	2.44	10.12	≤23.98	PASS
		5590	5.70	56.61	2.47	8.17	≤23.98	PASS
		5670	6.85	56.58	2.47	9.32	≤23.98	PASS
11AX80 SISO	Ant1	5530	6.28	50.20	2.99	9.27	≤23.98	PASS
		5610	3.94	50.37	2.98	6.92	≤23.98	PASS

Note:

1. The Duty Cycle Factor is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the data.

Appendix F.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5500	3.35	≤11.00	PASS
		5600	-1.08	≤11.00	PASS
		5700	0.50	≤11.00	PASS
11N20SISO	Ant1	5500	4.50	≤11.00	PASS
		5600	0.82	≤11.00	PASS
		5700	1.19	≤11.00	PASS
11N40SISO	Ant1	5510	-2.41	≤11.00	PASS
		5590	-4.66	≤11.00	PASS
		5670	-4.27	≤11.00	PASS
11AC20SISO	Ant1	5500	1.02	≤11.00	PASS
		5600	-2.12	≤11.00	PASS
		5700	-1.78	≤11.00	PASS
11AC40SISO	Ant1	5510	-2.70	≤11.00	PASS
		5590	-4.93	≤11.00	PASS
		5670	-4.34	≤11.00	PASS
11AC80SISO	Ant1	5530	-6.19	≤11.00	PASS
		5610	-8.65	≤11.00	PASS
11AX20SISO	Ant1	5500	0.39	≤11.00	PASS
		5600	-2.22	≤11.00	PASS
		5700	-1.90	≤11.00	PASS
11AX40SISO	Ant1	5510	-4.31	≤11.00	PASS
		5590	-6.16	≤11.00	PASS
		5670	-5.07	≤11.00	PASS
11AX80SISO	Ant1	5530	-7.16	≤11.00	PASS
		5610	-9.22	≤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



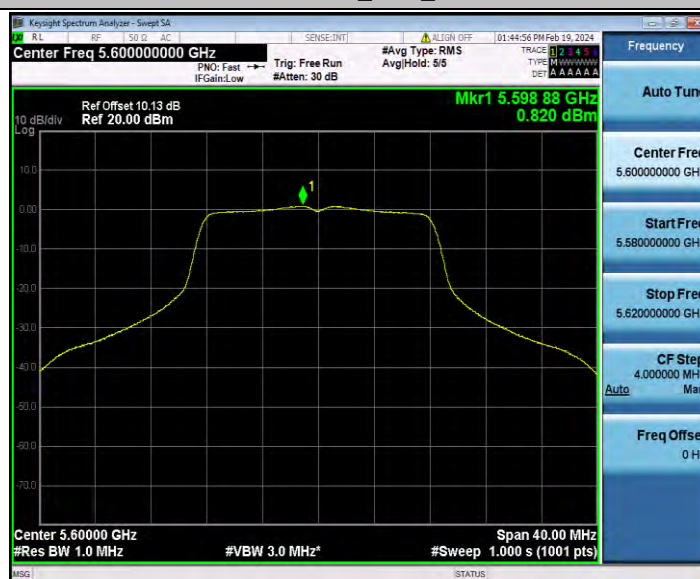
11A_Ant1_5700



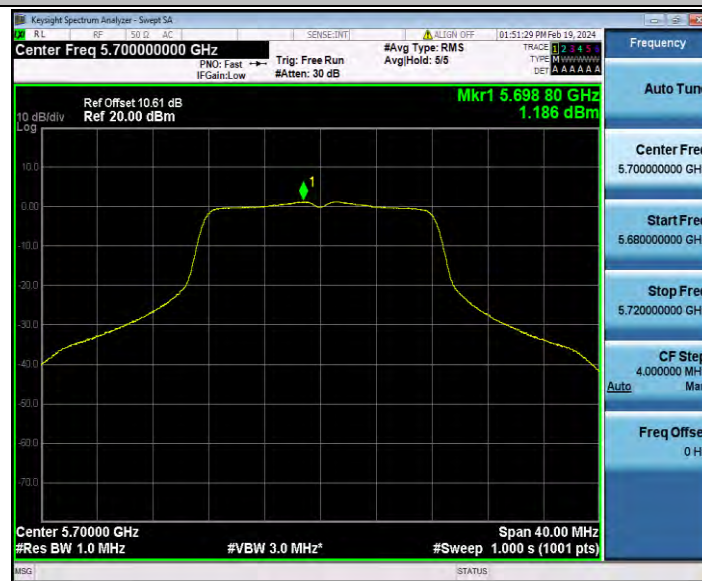
11N20SISO_Ant1_5500



11N20SISO_Ant1_5600



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



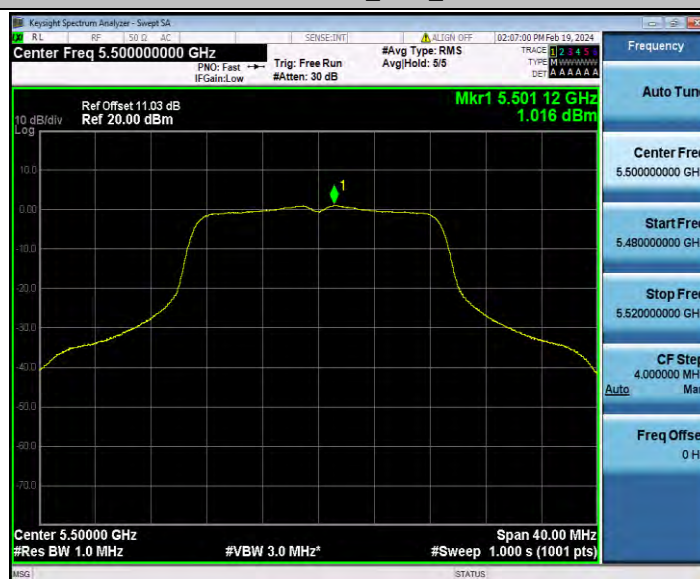
11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5600



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



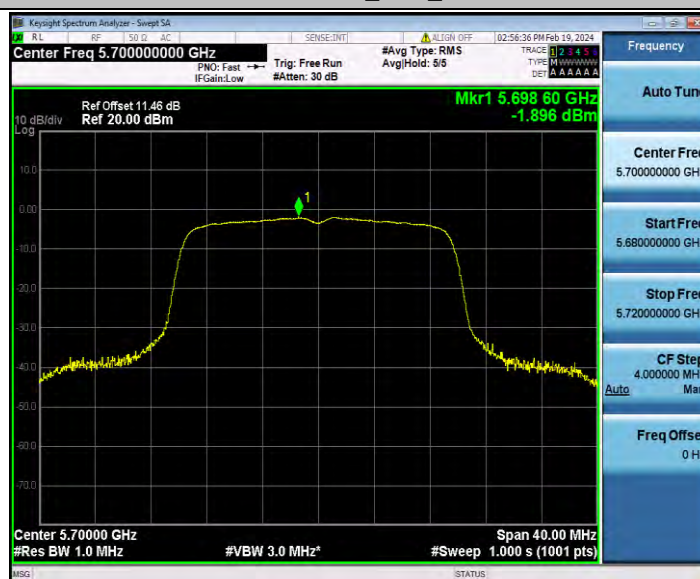
11AX20SISO_Ant1_5500



11AX20SISO_Ant1_5600



11AX20SISO_Ant1_5700



11AX40SISO_Ant1_5510



11AX40SISO_Ant1_5590



11AX40SISO_Ant1_5670



11AX80SISO_Ant1_5530



11AX80SISO_Ant1_5610

