

Case No. : <u>GTS20231208004-1-65</u>	
Ambient Condition: <u>21</u> °C, <u>49</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2024.2.29</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	20.240	5489.840	5510.080	---	---
		5580	20.200	5569.920	5590.120	---	---
		5700	20.080	5689.960	5710.040	---	---
11N20SISO	Ant1	5500	20.560	5489.760	5510.320	---	---
		5580	20.600	5569.760	5590.360	---	---
		5700	20.480	5689.680	5710.160	---	---
11N40SISO	Ant1	5510	39.760	5490.240	5530.000	---	---
		5590	40.000	5569.840	5609.840	---	---
		5670	39.520	5650.160	5689.680	---	---
11AC20SISO	Ant1	5500	20.640	5489.840	5510.480	---	---
		5580	20.360	5569.840	5590.200	---	---
		5700	20.480	5689.720	5710.200	---	---
11AC40SISO	Ant1	5510	39.280	5490.480	5529.760	---	---
		5590	39.760	5570.240	5610.000	---	---
		5670	39.440	5650.320	5689.760	---	---
11AX20SISO	Ant1	5500	21.440	5489.080	5510.520	---	---
		5580	20.920	5569.520	5590.440	---	---
		5700	20.800	5689.480	5710.280	---	---
11AX40SISO	Ant1	5510	39.760	5490.160	5529.920	---	---
		5590	40.240	5569.840	5610.080	---	---
		5670	39.920	5650.000	5689.920	---	---

Test Graphs

11A_Ant1_5500



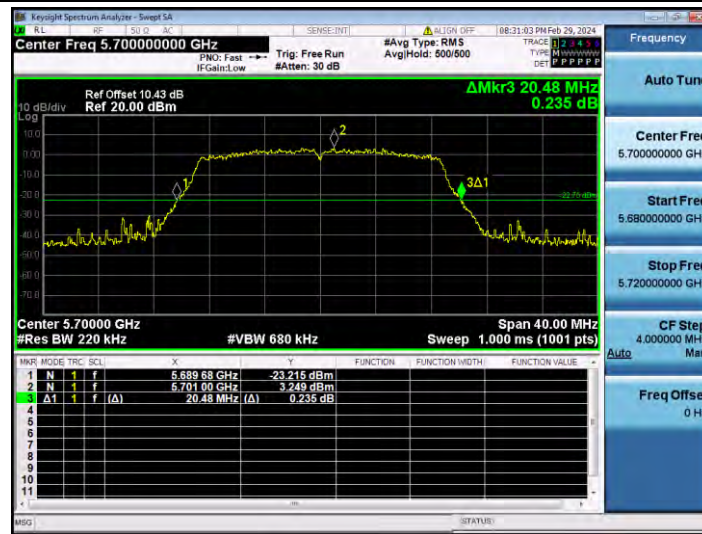
11A_Ant1_5580



11A_Ant1_5700



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



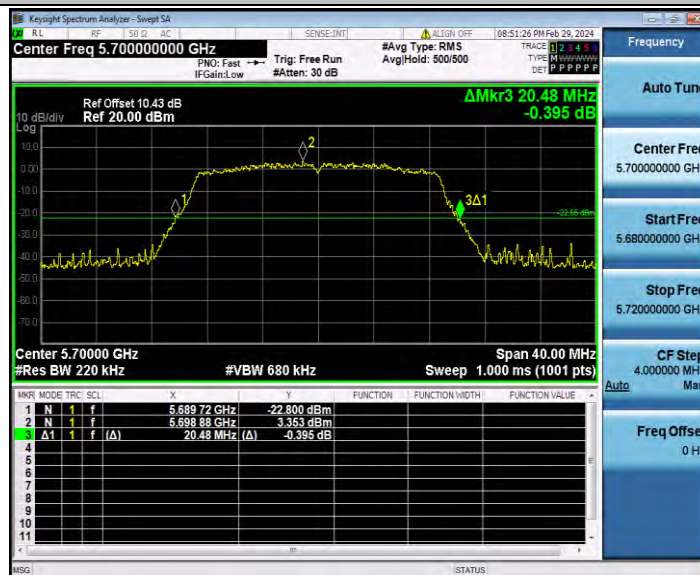
11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



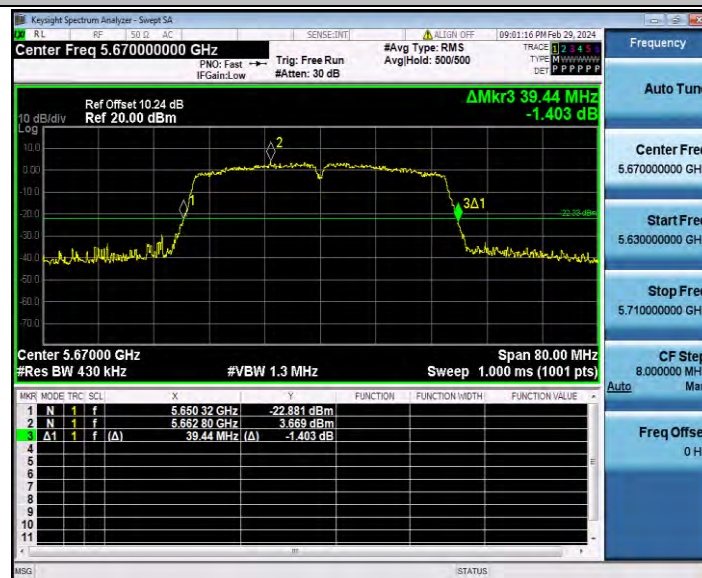
11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AX20SISO_Ant1_5500



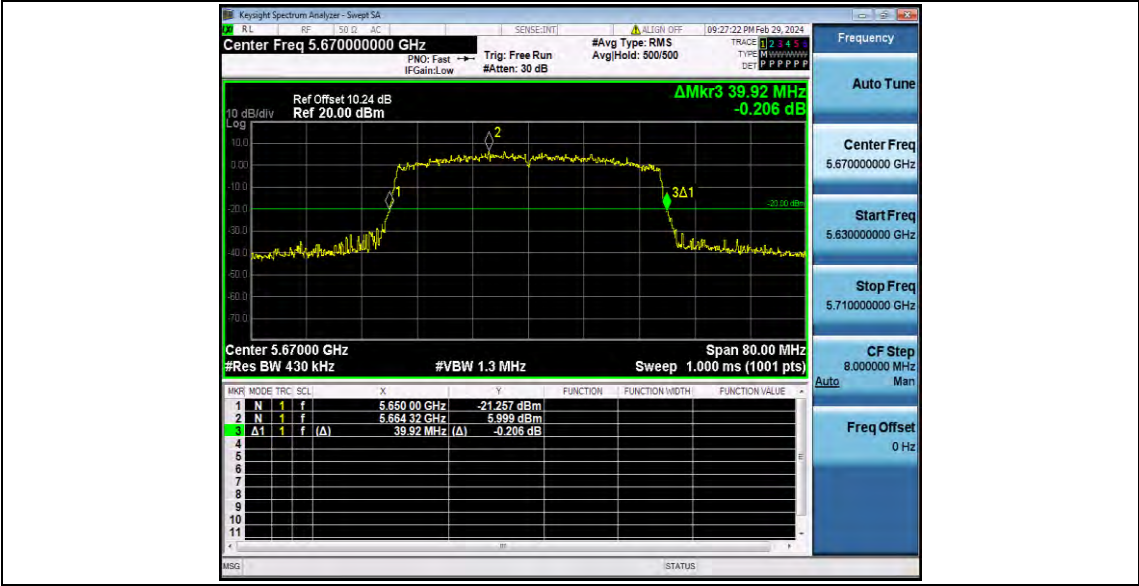
11AX40SISO_Ant1_5510



11AX40SISO_Ant1_5590



11AX40SISO_Ant1_5670



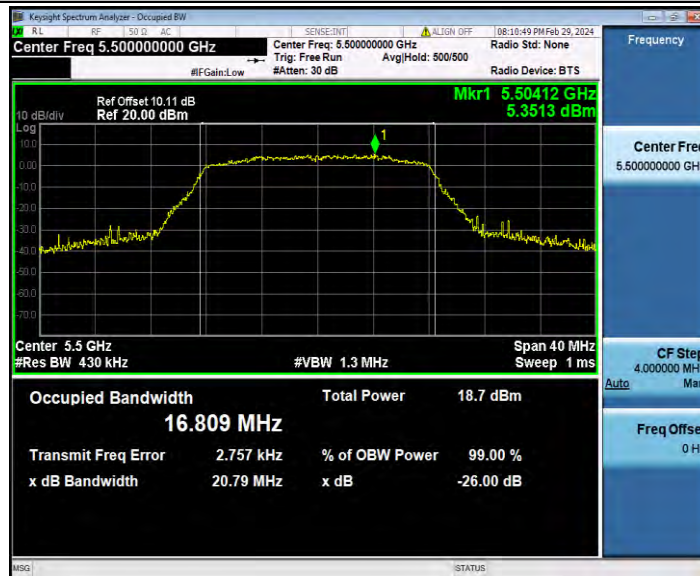
Appendix F.2: Occupied channel bandwidth

Test Result

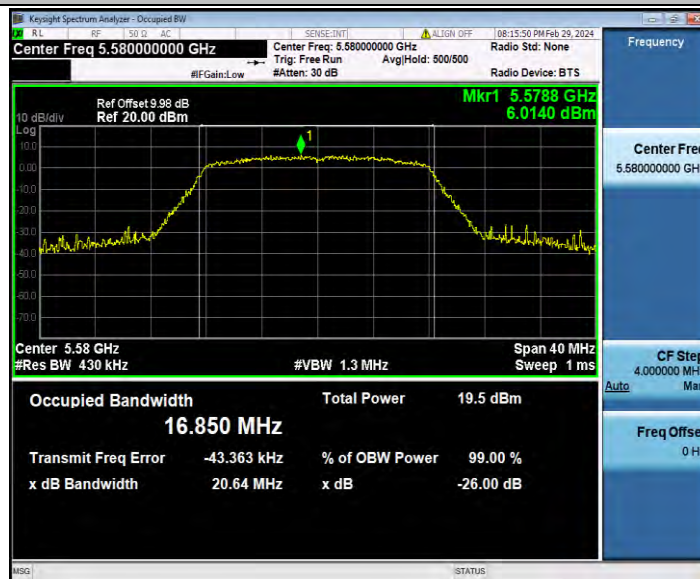
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	16.809	5491.5983	5508.4073	---	---
		5580	16.850	5571.5316	5588.3816	---	---
		5700	16.804	5691.5644	5708.3684	---	---
11N20SISO	Ant1	5500	17.758	5491.1446	5508.9026	---	---
		5580	17.796	5571.0428	5588.8388	---	---
		5700	17.733	5691.0835	5708.8165	---	---
11N40SISO	Ant1	5510	35.811	5492.1571	5527.9681	---	---
		5590	36.054	5571.9736	5608.0276	---	---
		5670	35.966	5651.9456	5687.9116	---	---
11AC20SISO	Ant1	5500	17.706	5491.1425	5508.8485	---	---
		5580	17.771	5571.0768	5588.8478	---	---
		5700	17.716	5691.0917	5708.8077	---	---
11AC40SISO	Ant1	5510	35.855	5492.1277	5527.9827	---	---
		5590	36.044	5572.0198	5608.0638	---	---
		5670	35.954	5651.9639	5687.9179	---	---
11AX20SISO	Ant1	5500	18.748	5490.6192	5509.3672	---	---
		5580	18.808	5570.5458	5589.3538	---	---
		5700	18.780	5690.5689	5709.3489	---	---
11AX40SISO	Ant1	5510	37.200	5491.5121	5528.7121	---	---
		5590	37.349	5571.3146	5608.6636	---	---
		5670	37.217	5651.3541	5688.5711	---	---

Test Graphs

11A_Ant1_5500



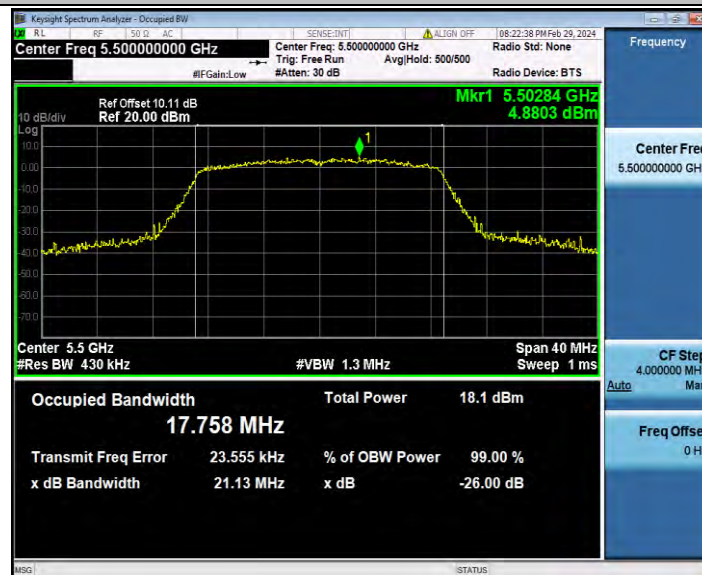
11A_Ant1_5580



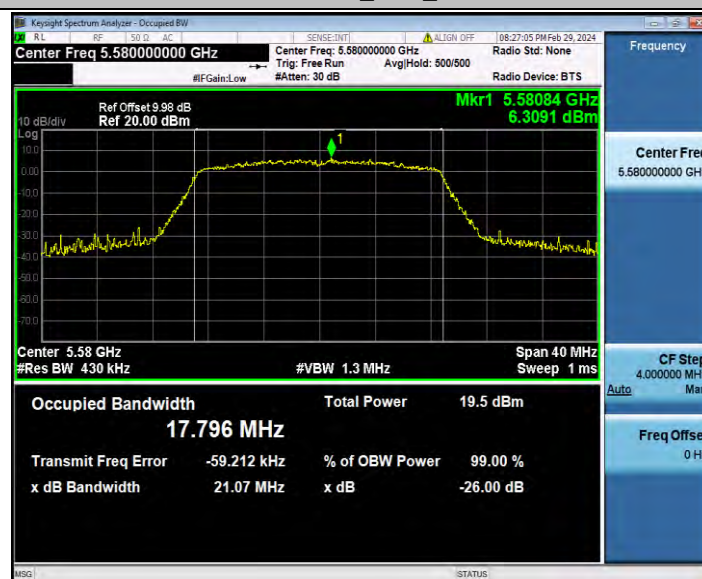
11A_Ant1_5700



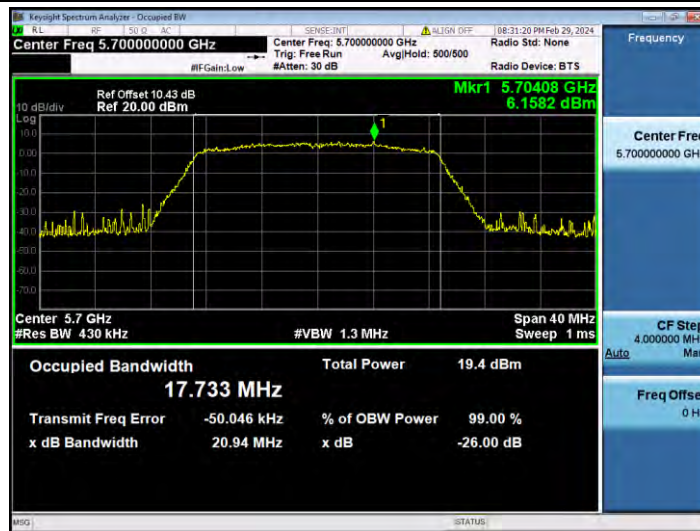
11N20SISO_Ant1_5500



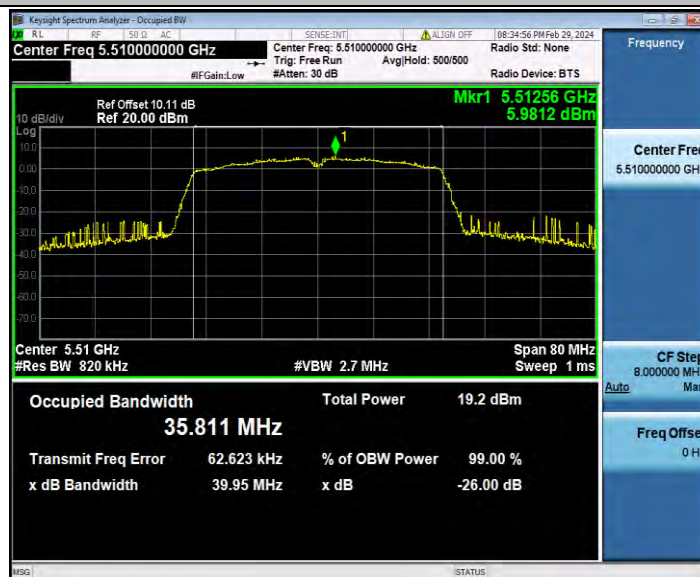
11N20SISO_Ant1_5580



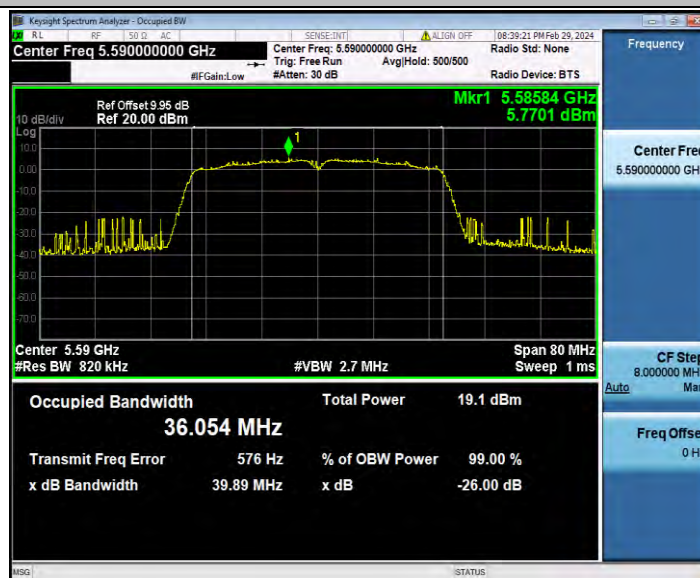
11N20SISO_Ant1_5700



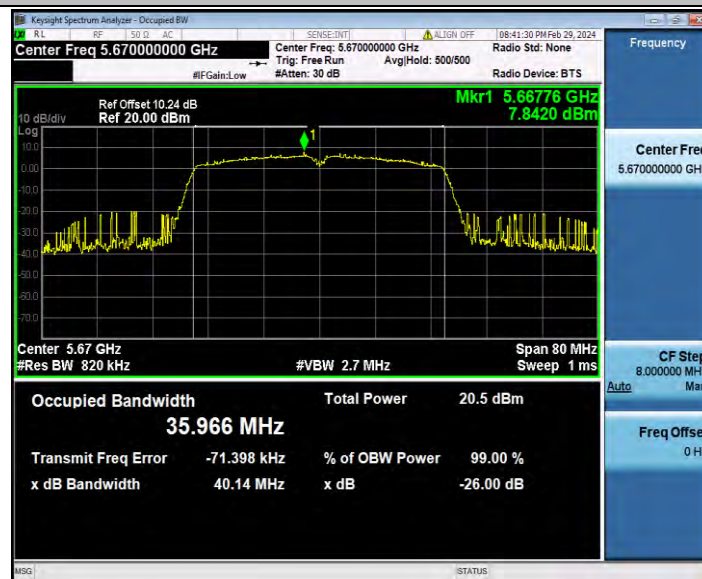
11N40SISO_Ant1_5510



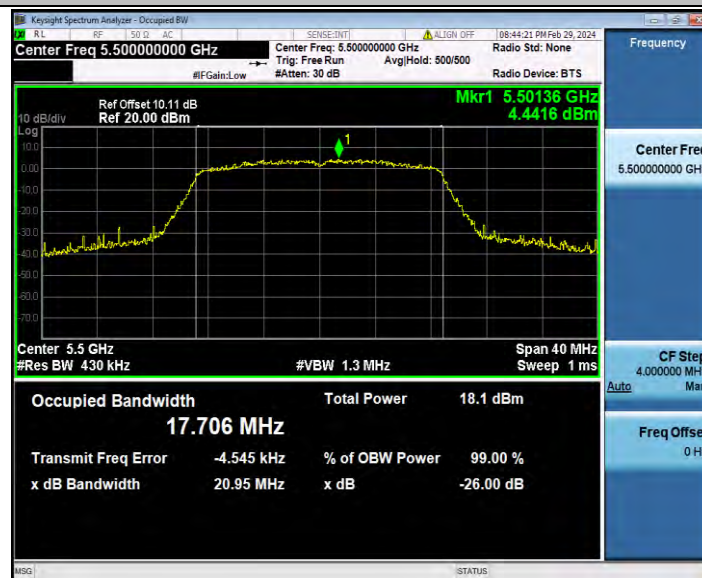
11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



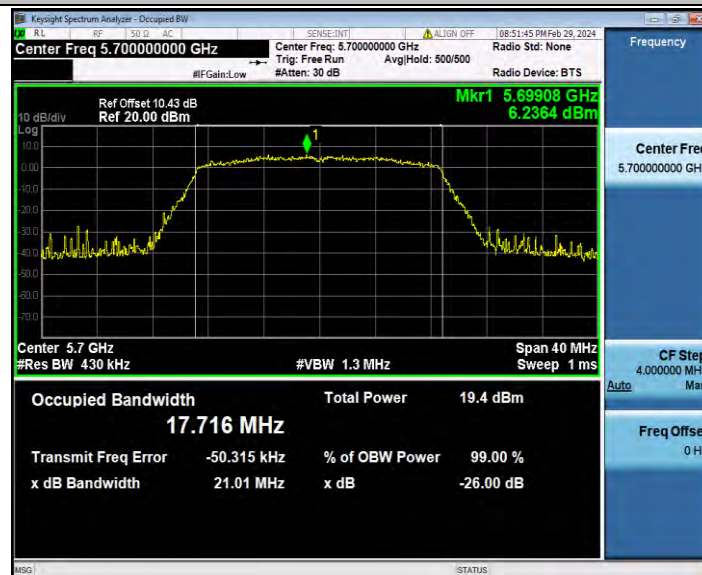
11AC20SISO_Ant1_5500



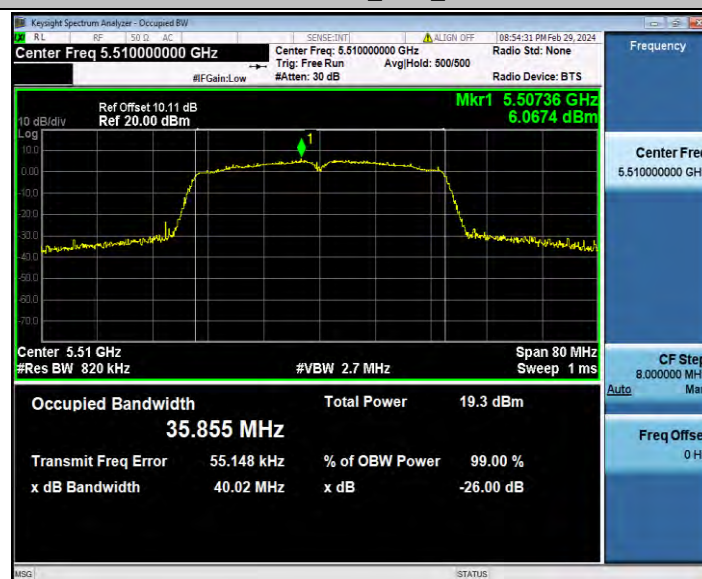
11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



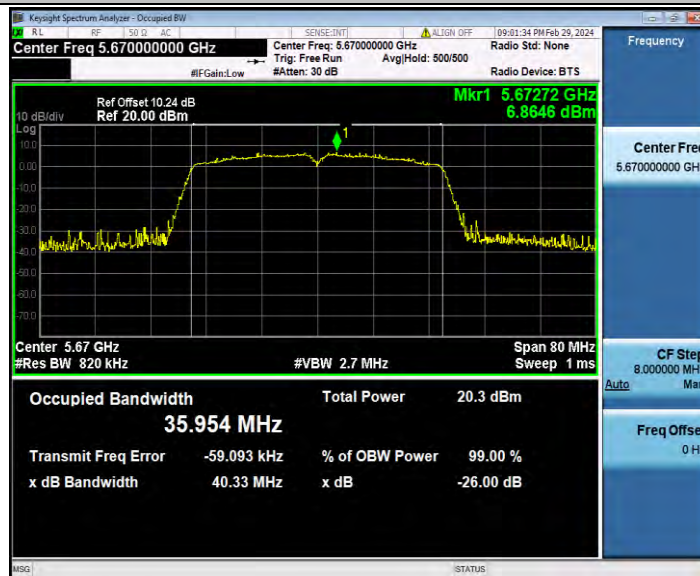
11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



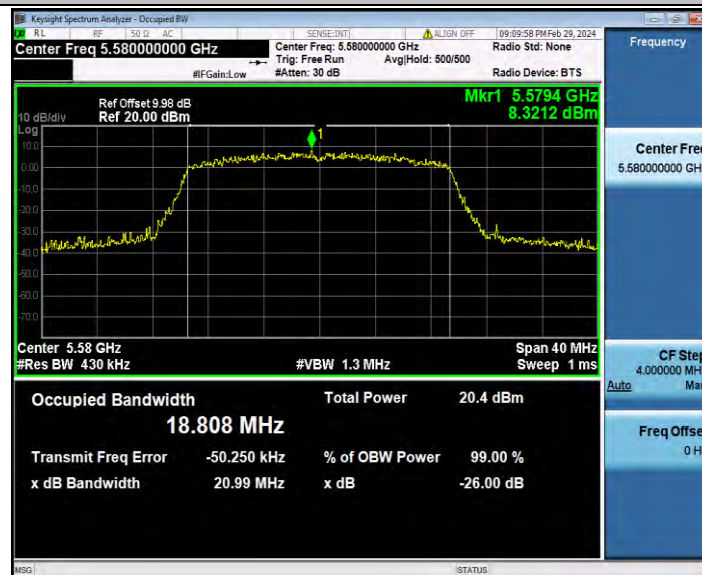
11AC40SISO_Ant1_5670



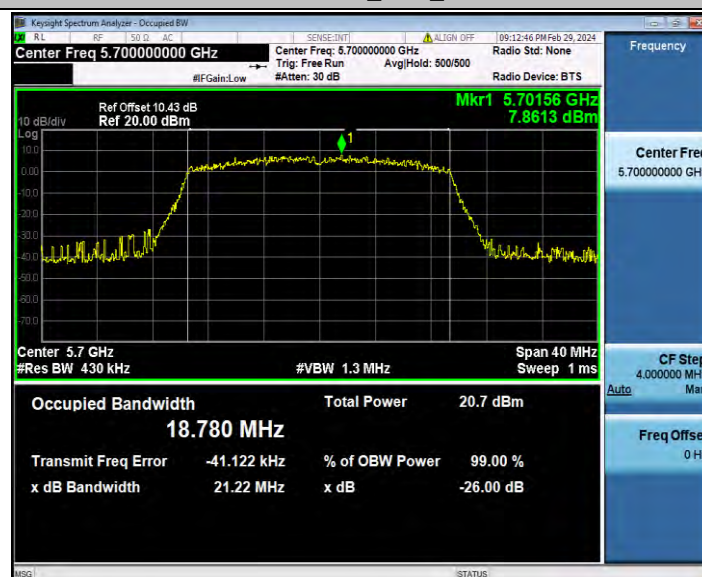
11AX20SISO_Ant1_5500



11AX20SISO_Ant1_5580



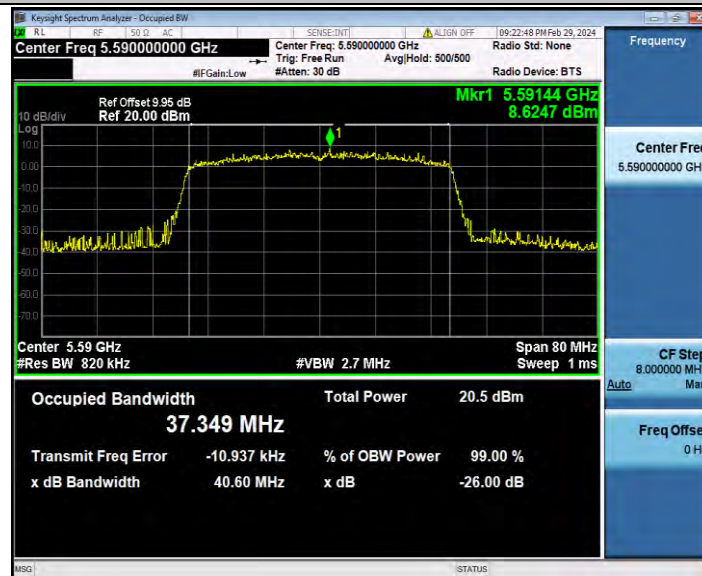
11AX20SISO_Ant1_5700



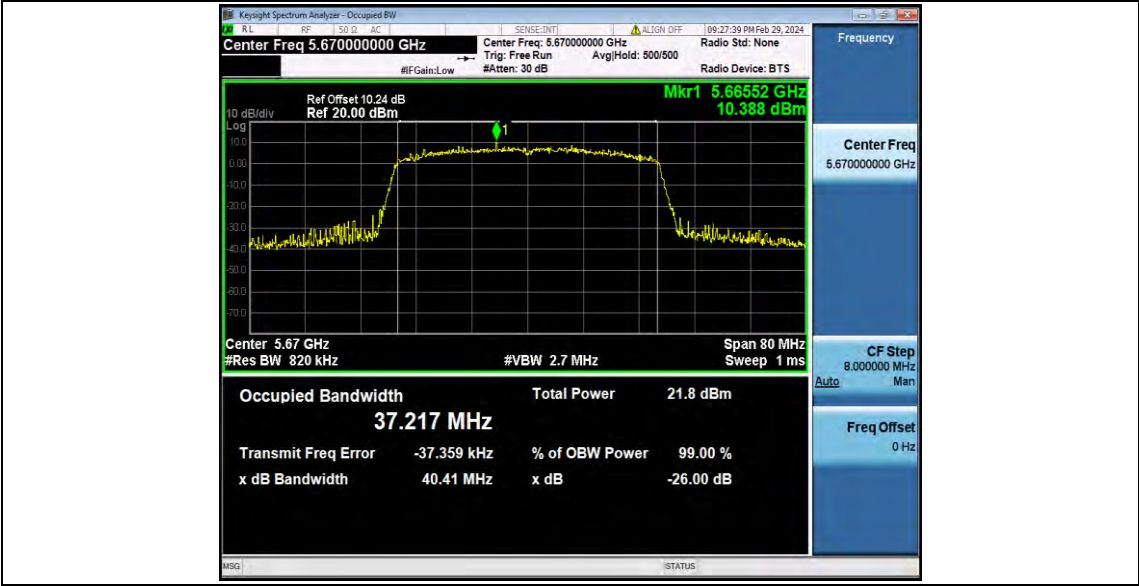
11AX40SISO_Ant1_5510



11AX40SISO_Ant1_5590



11AX40SISO_Ant1_5670

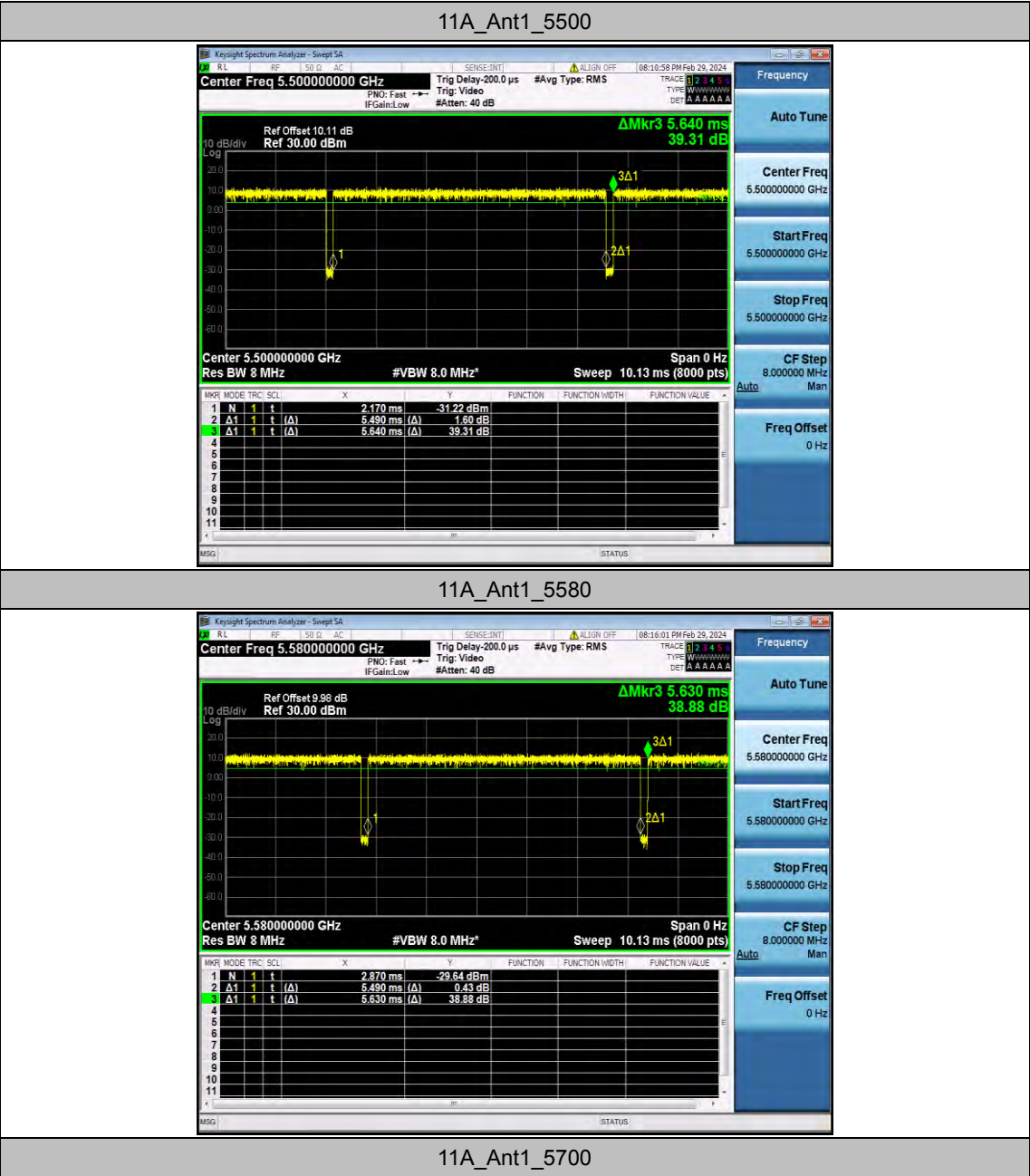


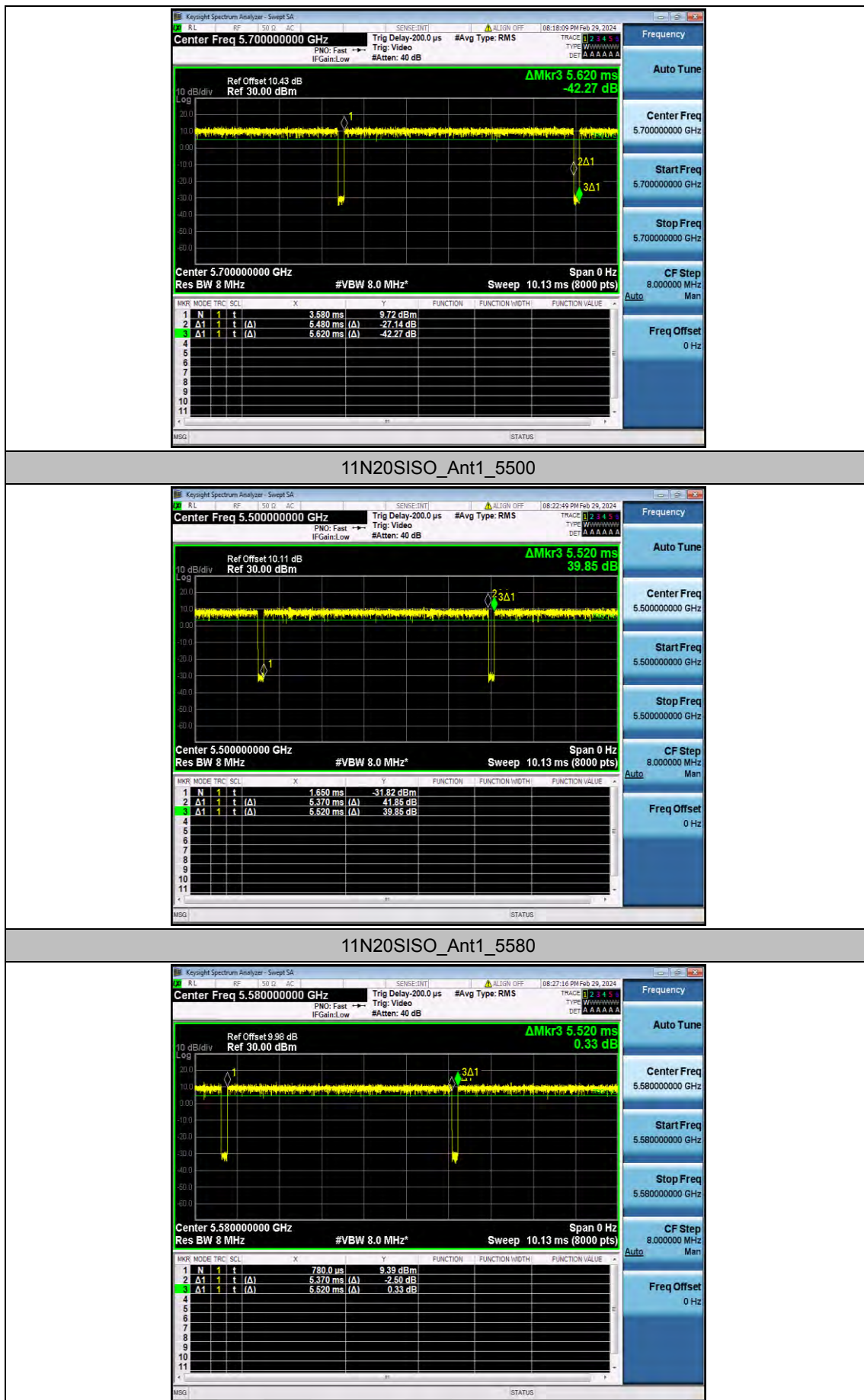
Appendix F.3: Duty Cycle

Test Result

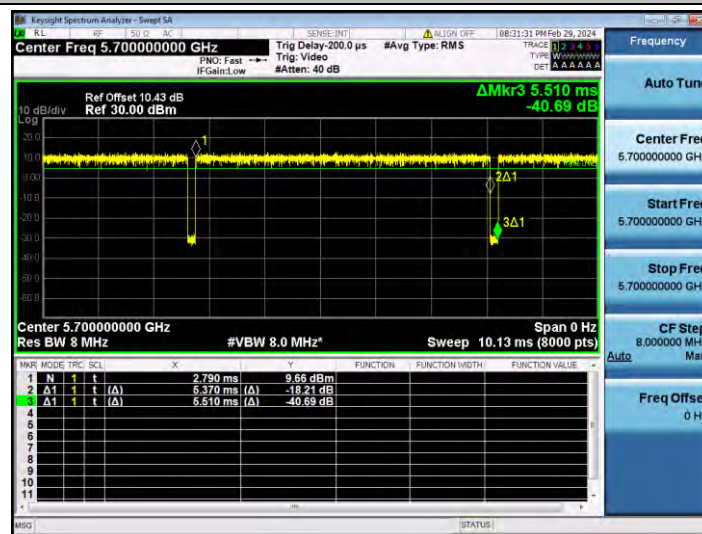
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5500	5.49	5.64	97.34	0.12	0.18
		5580	5.49	5.63	97.51	0.11	0.18
		5700	5.48	5.62	97.51	0.11	0.18
11N20SISO	Ant1	5500	5.37	5.52	97.28	0.12	0.19
		5580	5.37	5.52	97.28	0.12	0.19
		5700	5.37	5.51	97.46	0.11	0.19
11N40SISO	Ant1	5510	5.15	5.29	97.35	0.12	0.19
		5590	5.15	5.30	97.17	0.12	0.19
		5670	5.15	5.29	97.35	0.12	0.19
11AC20SISO	Ant1	5500	5.38	5.52	97.46	0.11	0.19
		5580	5.38	5.52	97.46	0.11	0.19
		5700	5.38	5.53	97.29	0.12	0.19
11AC40SISO	Ant1	5510	5.16	5.30	97.36	0.12	0.19
		5590	5.16	5.29	97.54	0.11	0.19
		5670	5.16	5.31	97.18	0.12	0.19
11AX20SISO	Ant1	5500	4.65	4.80	96.88	0.14	0.22
		5580	4.65	4.80	96.88	0.14	0.22
		5700	4.65	4.79	97.08	0.13	0.22
11AX40SISO	Ant1	5510	4.64	4.78	97.07	0.13	0.22
		5590	4.64	4.77	97.27	0.12	0.22
		5670	4.64	4.77	97.27	0.12	0.22

Test Graphs

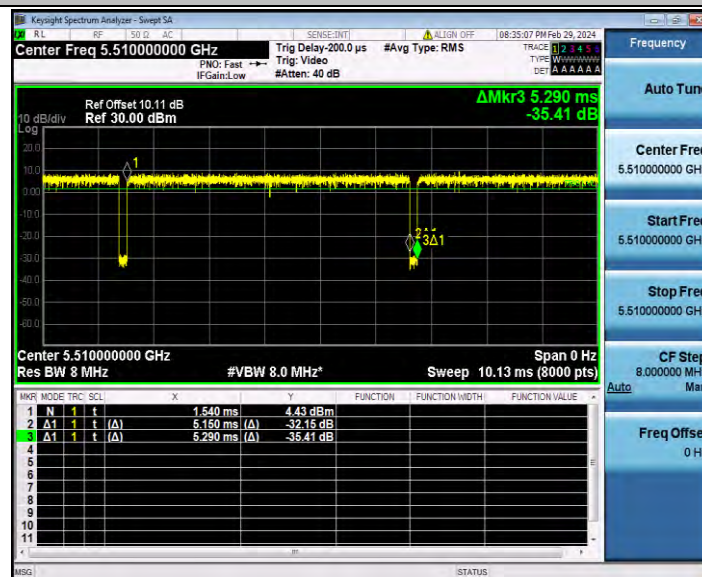




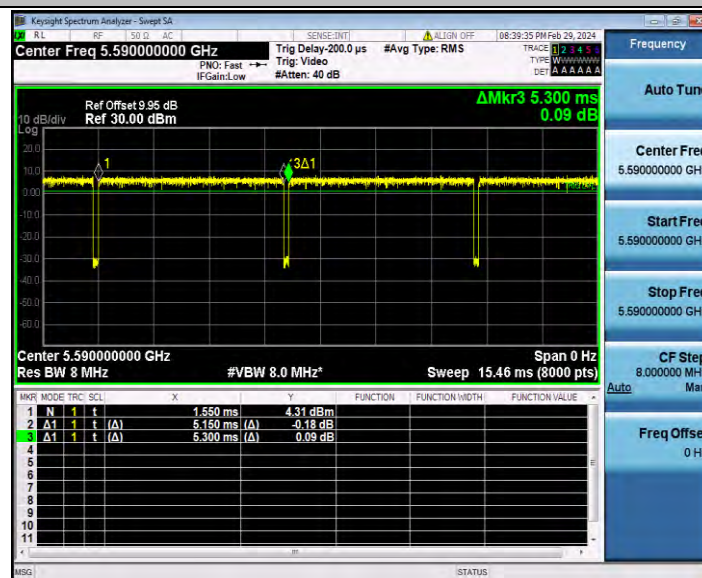
11N20SISO_Ant1_5700



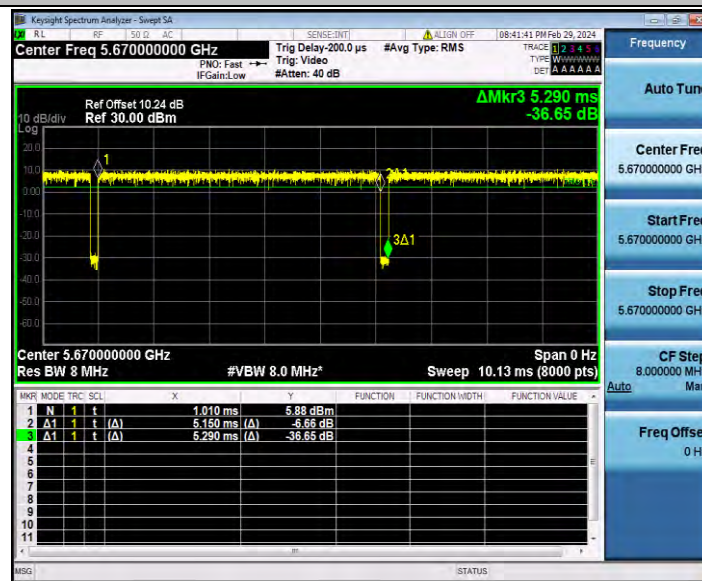
11N40SISO_Ant1_5510



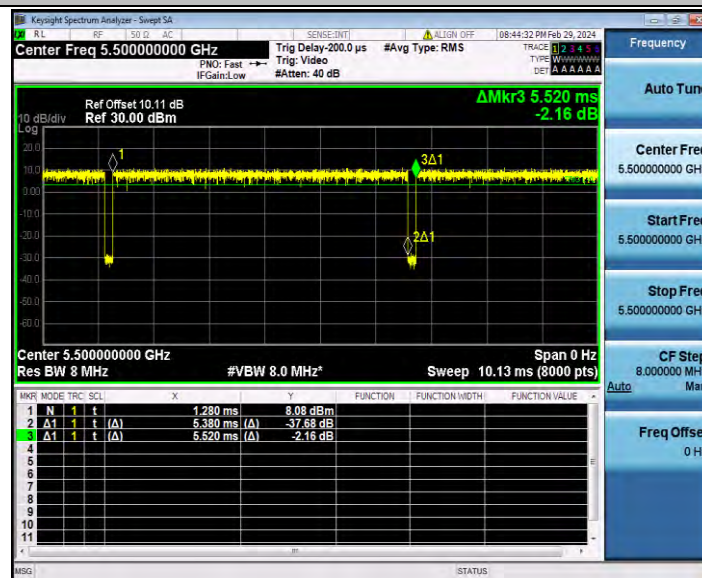
11N40SISO_Ant1_5590



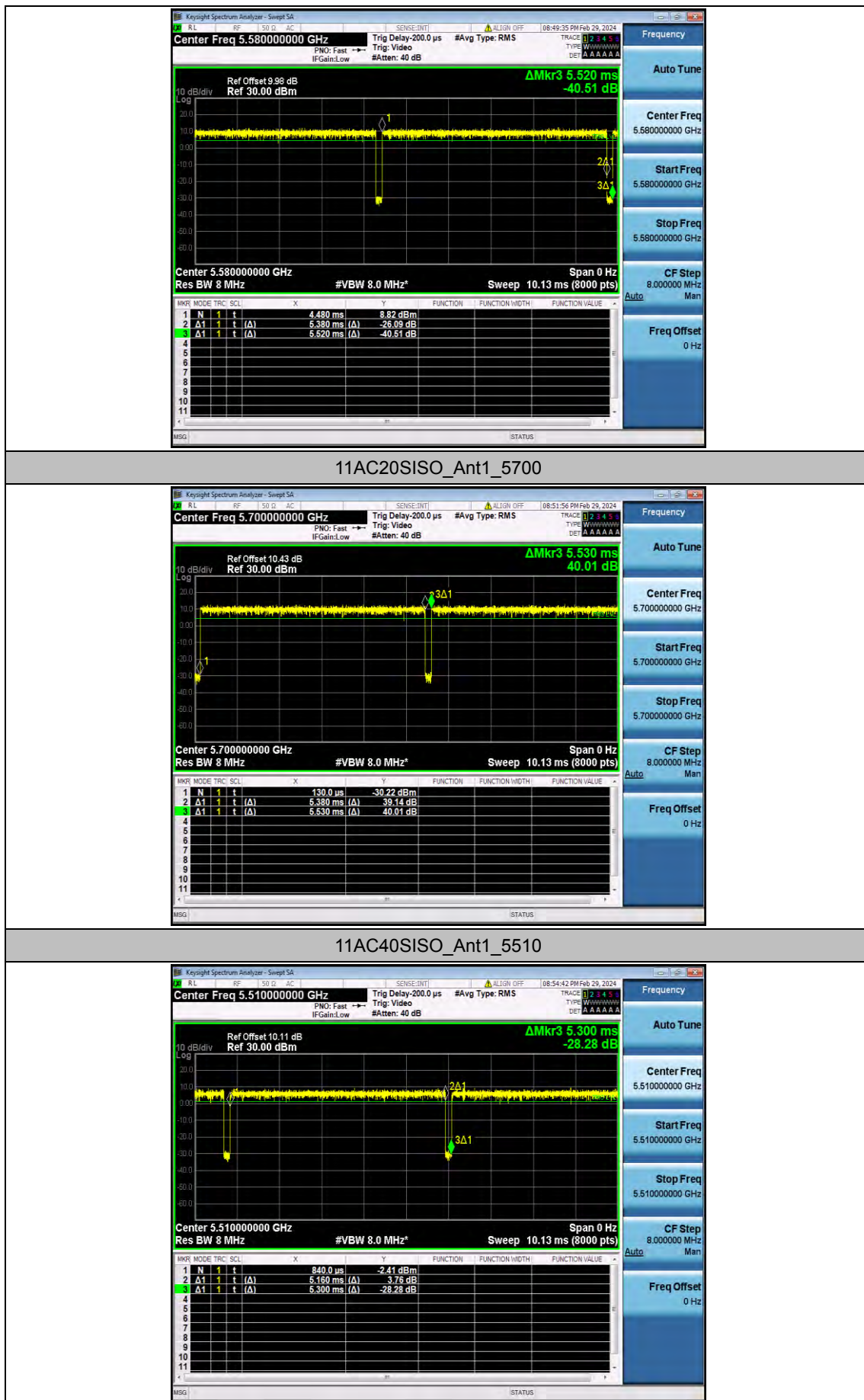
11N40SISO_Ant1_5670



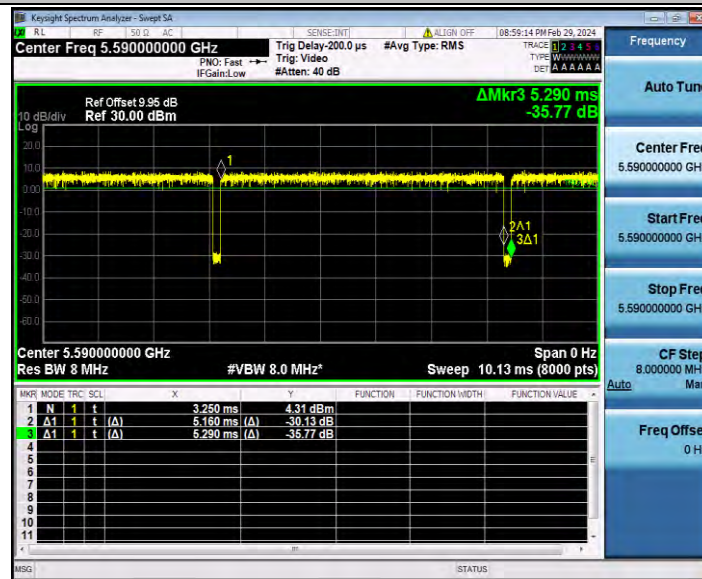
11AC20SISO_Ant1_5500



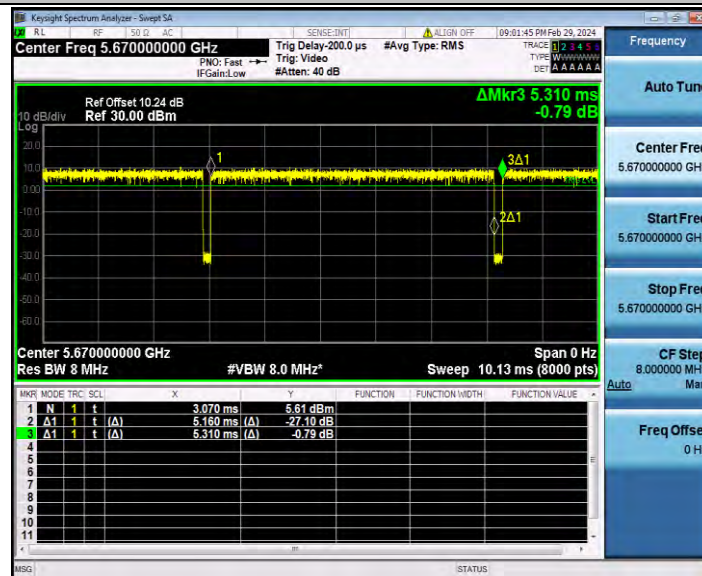
11AC20SISO_Ant1_5580



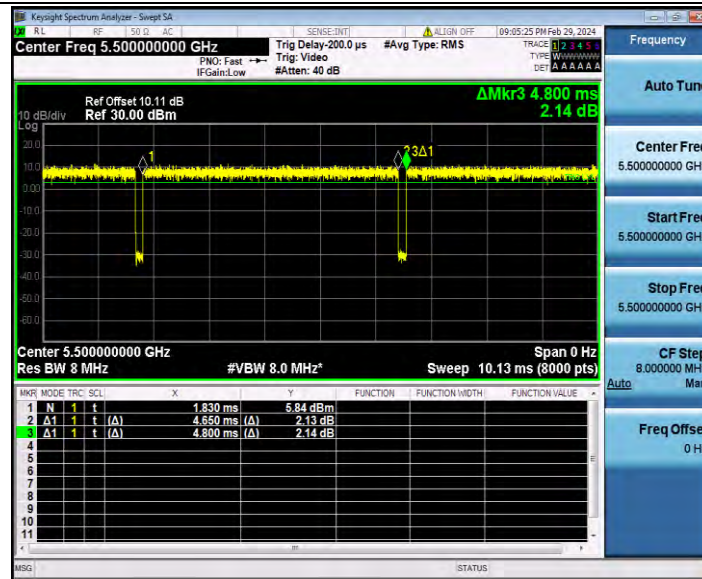
11AC40SISO_Ant1_5590



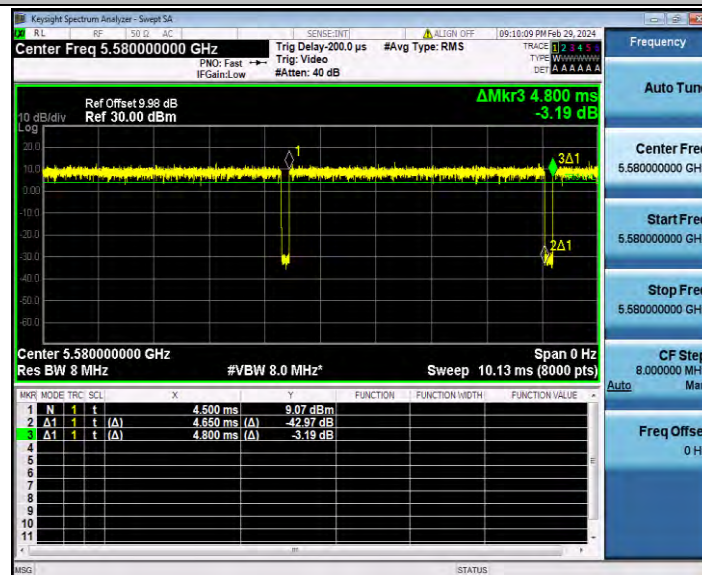
11AC40SISO_Ant1_5670



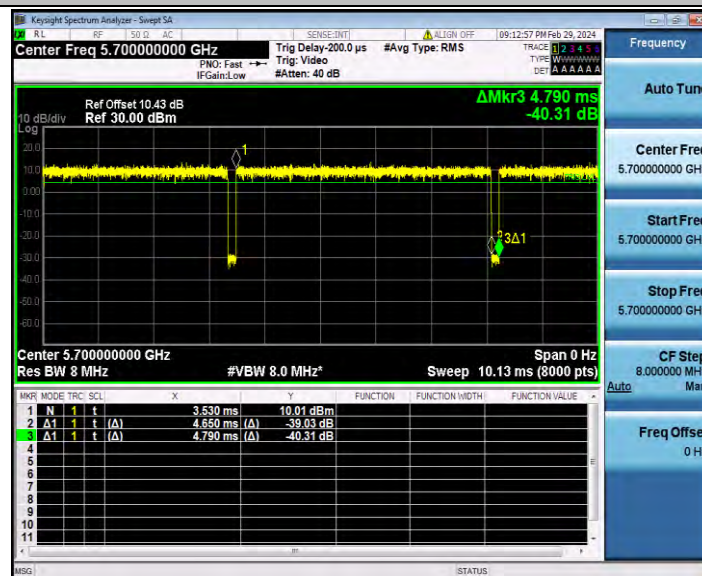
11AX20SISO_Ant1_5500



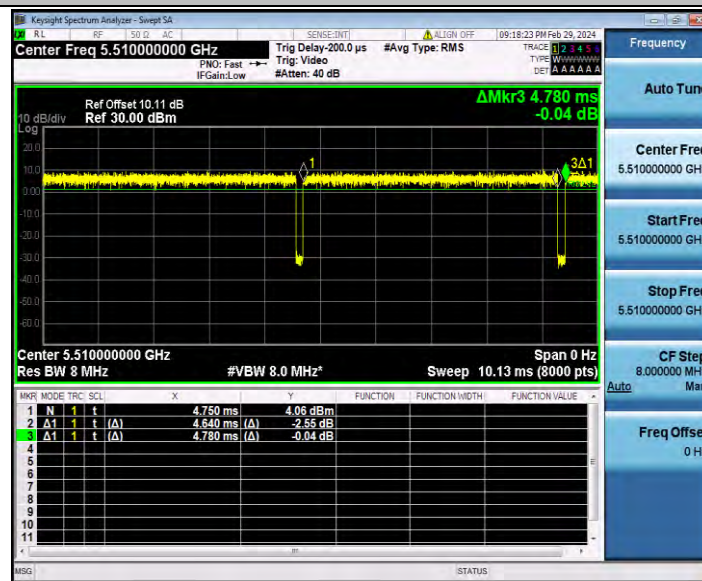
11AX20SISO_Ant1_5580



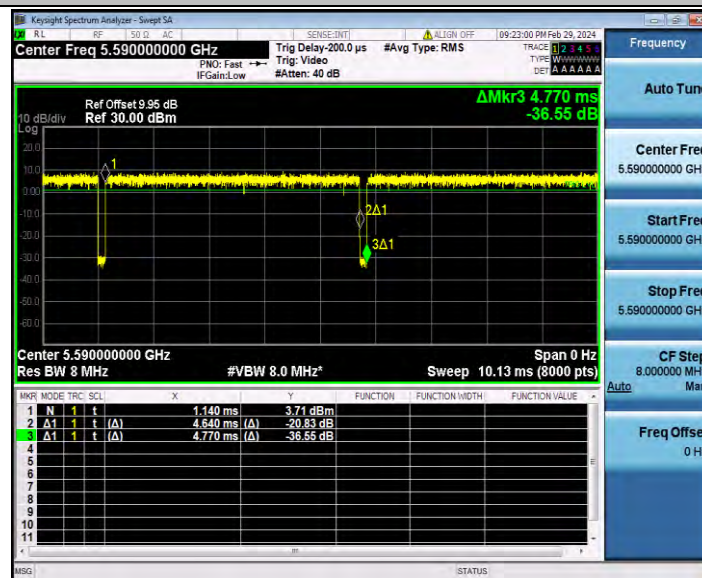
11AX20SISO_Ant1_5700



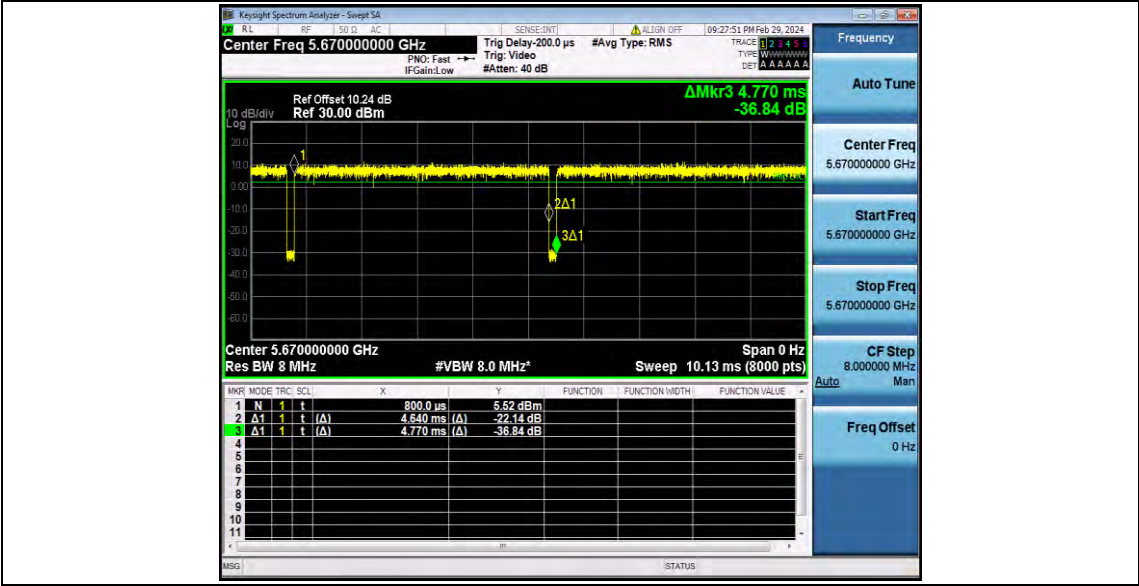
11AX40SISO_Ant1_5510



11AX40SISO_Ant1_5590



11AX40SISO_Ant1_5670



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	11.64	97.34	0.12	11.76	≤23.98	PASS
		5580	12.43	97.51	0.11	12.54	≤23.98	PASS
		5700	12.87	97.51	0.11	12.98	≤23.98	PASS
11N20 SISO	Ant1	5500	11.23	97.28	0.12	11.35	≤23.98	PASS
		5580	12.43	97.28	0.12	12.55	≤23.98	PASS
		5700	12.54	97.46	0.11	12.65	≤23.98	PASS
11N40 SISO	Ant1	5510	11.67	97.35	0.12	11.79	≤23.98	PASS
		5590	11.64	97.17	0.12	11.76	≤23.98	PASS
		5670	13.08	97.35	0.12	13.20	≤23.98	PASS
11AC20 SISO	Ant1	5500	11.15	97.46	0.11	11.26	≤23.98	PASS
		5580	12.16	97.46	0.11	12.27	≤23.98	PASS
		5700	12.52	97.29	0.12	12.64	≤23.98	PASS
11AC40 SISO	Ant1	5510	11.73	97.36	0.12	11.85	≤23.98	PASS
		5590	11.58	97.54	0.11	11.69	≤23.98	PASS
		5670	13.02	97.18	0.12	13.14	≤23.98	PASS
11AX20 SISO	Ant1	5500	10.83	96.88	0.14	10.97	≤23.98	PASS
		5580	11.93	96.88	0.14	12.07	≤23.98	PASS
		5700	12.23	97.08	0.13	12.36	≤23.98	PASS
11AX40 SISO	Ant1	5510	11.52	97.07	0.13	11.65	≤23.98	PASS
		5590	11.51	97.27	0.12	11.63	≤23.98	PASS
		5670	12.97	97.27	0.12	13.09	≤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	0.66	≤11.00	PASS
		5580	1.52	≤11.00	PASS
		5700	2.01	≤11.00	PASS
11N20SISO	Ant1	5500	0.15	≤11.00	PASS
		5580	1.40	≤11.00	PASS
		5700	1.57	≤11.00	PASS
11N40SISO	Ant1	5510	-1.55	≤11.00	PASS
		5590	-1.90	≤11.00	PASS
		5670	-0.40	≤11.00	PASS
11AC20SISO	Ant1	5500	0.05	≤11.00	PASS
		5580	1.00	≤11.00	PASS
		5700	1.60	≤11.00	PASS
11AC40SISO	Ant1	5510	-1.56	≤11.00	PASS
		5590	-1.91	≤11.00	PASS
		5670	-0.46	≤11.00	PASS
11AX20SISO	Ant1	5500	-0.27	≤11.00	PASS
		5580	0.73	≤11.00	PASS
		5700	1.30	≤11.00	PASS
11AX40SISO	Ant1	5510	-2.02	≤11.00	PASS
		5590	-2.20	≤11.00	PASS
		5670	-0.76	≤11.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

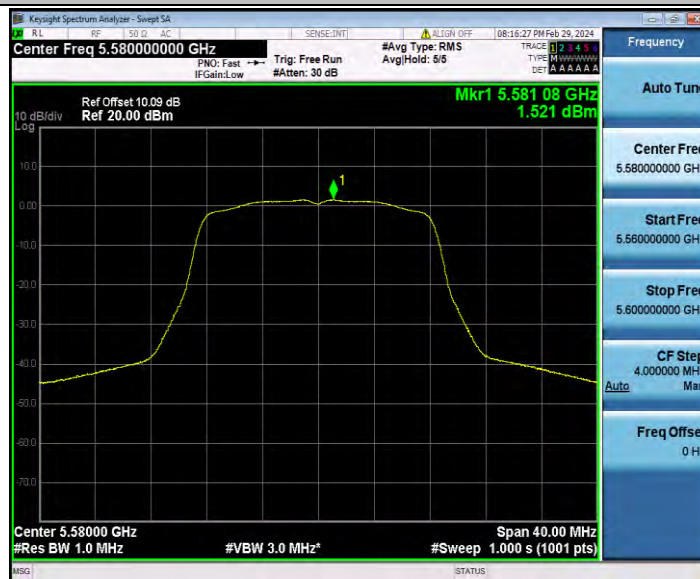
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A_Ant1_5500



11A_Ant1_5580



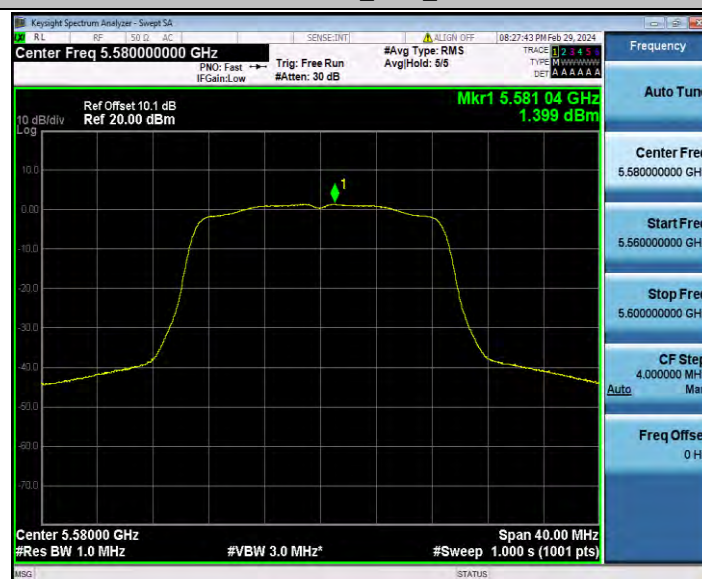
11A_Ant1_5700



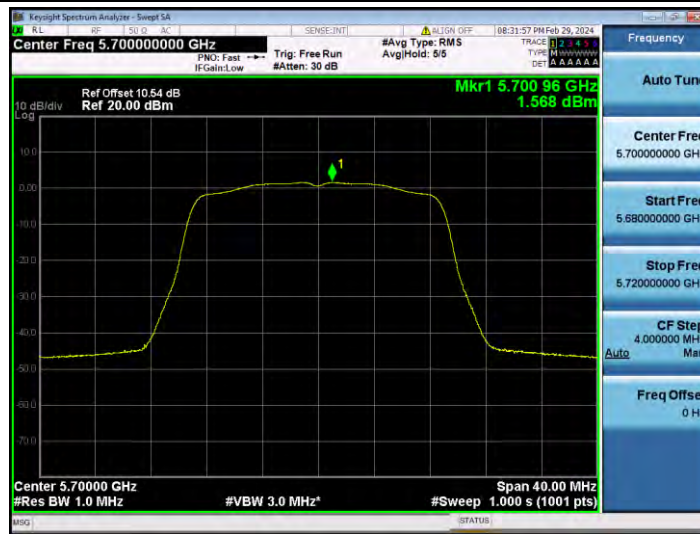
11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



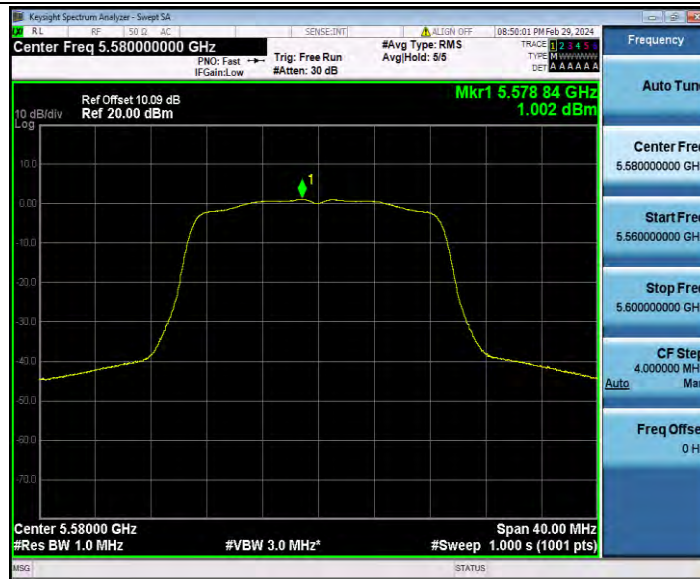
11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



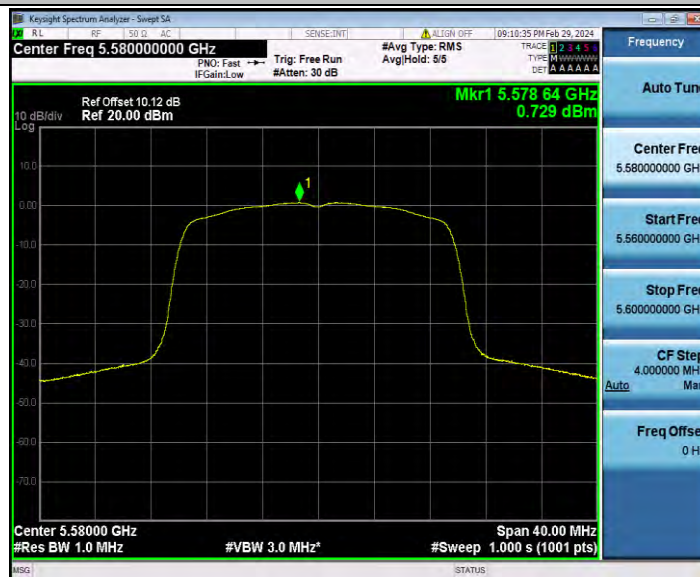
11AC40SISO_Ant1_5670



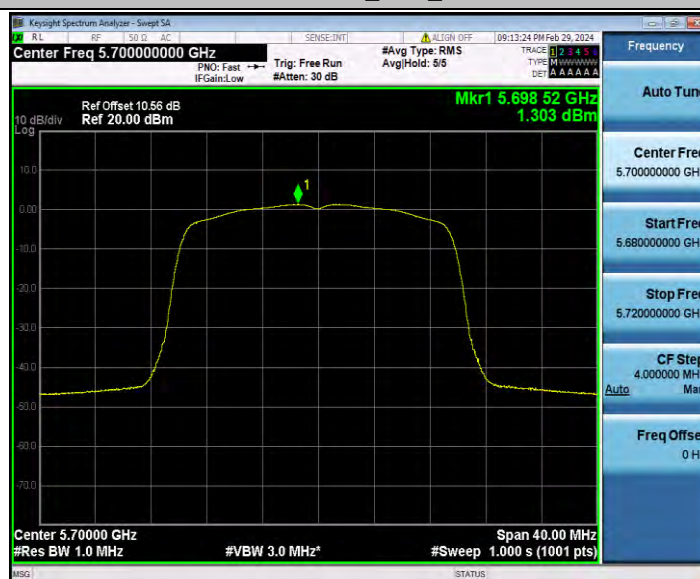
11AX20SISO_Ant1_5500



11AX20SISO_Ant1_5580



11AX20SISO_Ant1_5700



11AX40SISO_Ant1_5510



11AX40SISO_Ant1_5590



11AX40SISO_Ant1_5670

