

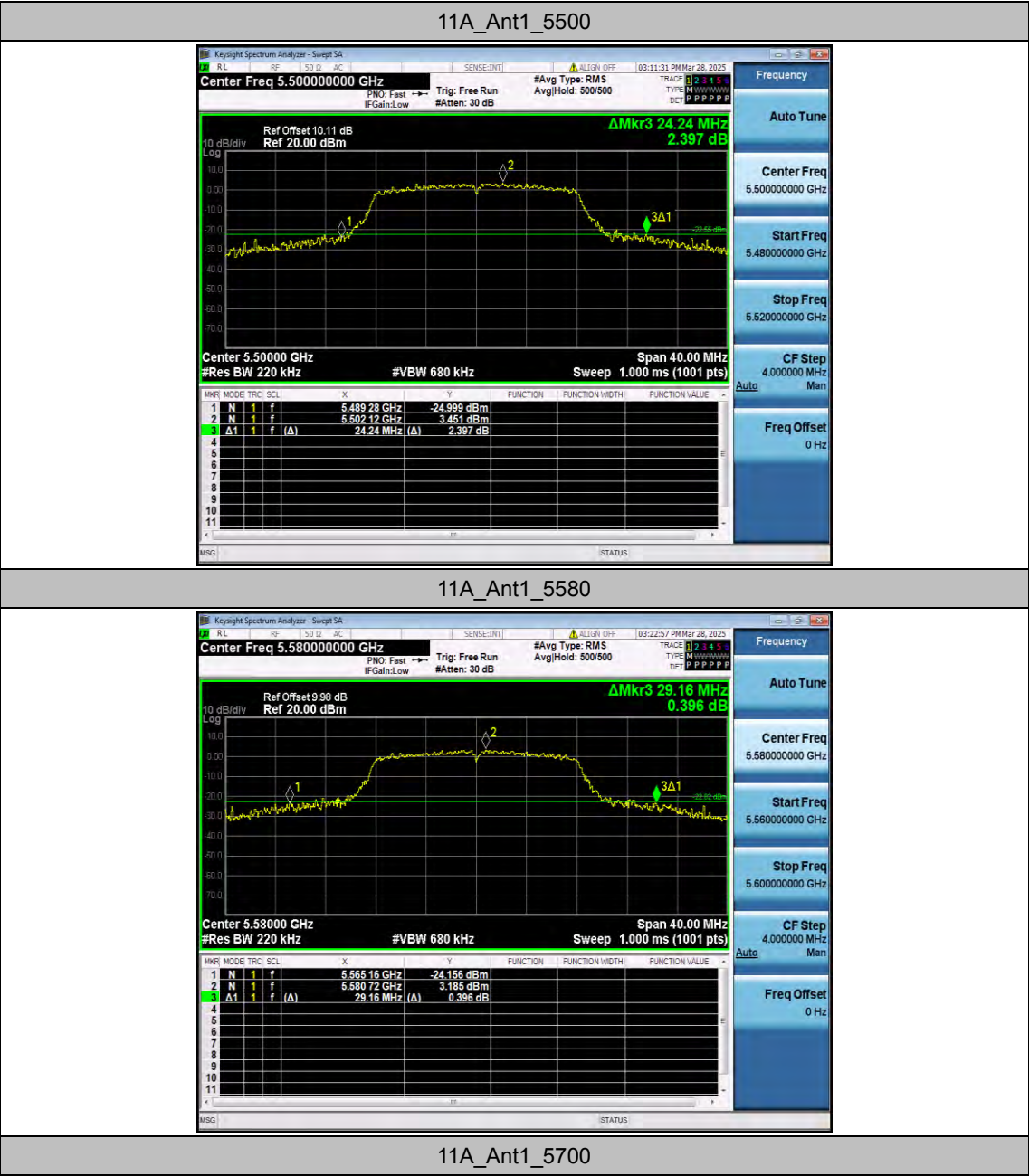
Case No. : <u>GTS20250313007-2-04</u>	
Ambient Condition: <u>23</u> °C, <u>49</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.3.27</u>	Test Engineer: <u>Evan ouyang</u>

Appendix F.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	24.240	5489.280	5513.520	---	---
		5580	29.160	5565.160	5594.320	---	---
		5700	25.560	5686.880	5712.440	---	---
11N20SISO	Ant1	5500	27.480	5486.840	5514.320	---	---
		5580	26.800	5564.960	5591.760	---	---
		5700	33.080	5681.800	5714.880	---	---
11N40SISO	Ant1	5510	53.040	5487.760	5540.800	---	---
		5590	50.880	5563.440	5614.320	---	---
		5670	51.280	5642.080	5693.360	---	---
11AC20SISO	Ant1	5500	25.640	5487.560	5513.200	---	---
		5580	24.400	5568.360	5592.760	---	---
		5700	28.280	5686.200	5714.480	---	---
11AC40SISO	Ant1	5510	48.880	5488.080	5536.960	---	---
		5590	45.840	5564.480	5610.320	---	---
		5670	61.840	5634.240	5696.080	---	---
11AC80SISO	Ant1	5530	120.640	5476.560	5597.200	---	---
		5610	95.680	5554.800	5650.480	---	---

Test Graphs



11A_Ant1_5580

Frequency

Auto Tune

Center Freq 5.58000000 GHz

Start Freq 5.560000000 GHz

Stop Freq 5.600000000 GHz

CF Step 4.000000 MHz

Freq Offset 0 Hz

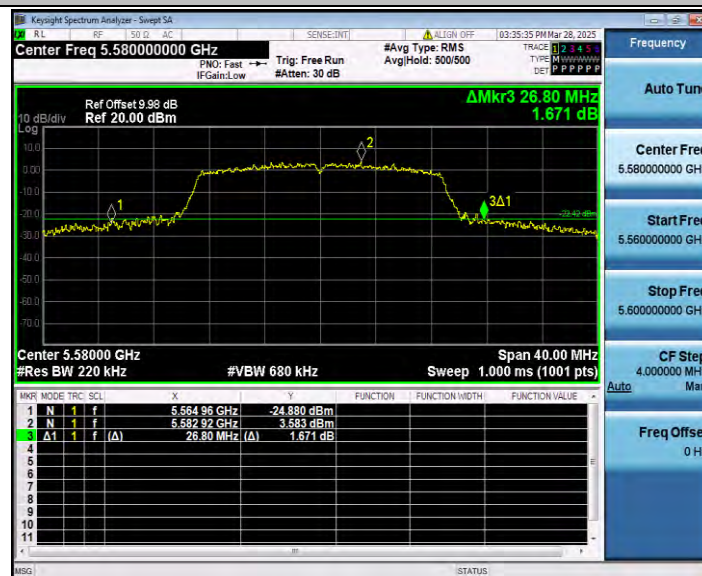
11A_Ant1_5700



11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



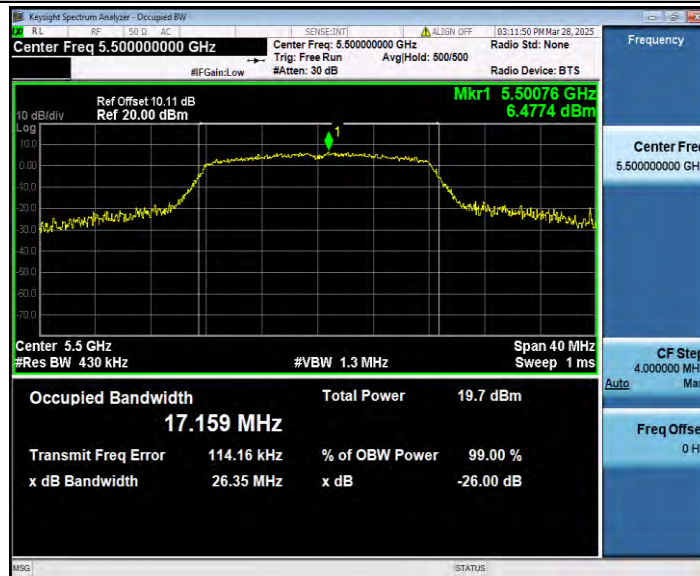
Appendix F.2: Occupied channel bandwidth

Test Result

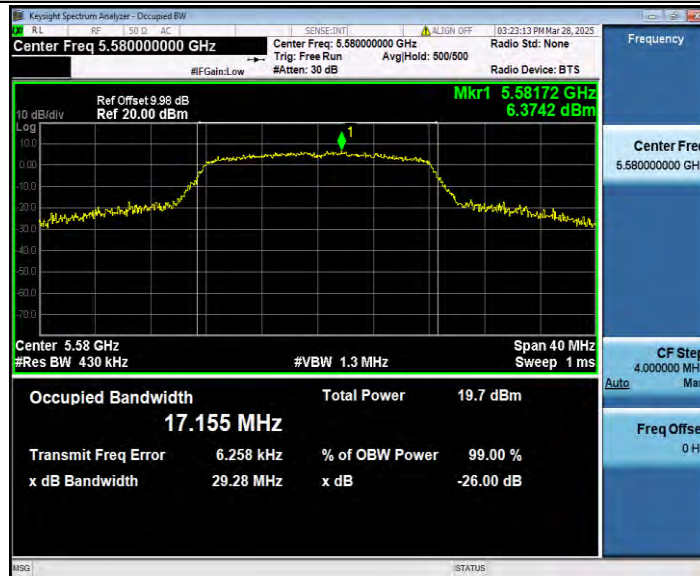
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	17.159	5491.5347	5508.6937	---	---
		5580	17.155	5571.4288	5588.5838	---	---
		5700	17.247	5691.3348	5708.5818	---	---
11N20SISO	Ant1	5500	17.961	5491.0772	5509.0382	---	---
		5580	18.078	5570.9498	5589.0278	---	---
		5700	18.222	5690.8139	5709.0359	---	---
11N40SISO	Ant1	5510	36.495	5491.9280	5528.4230	---	---
		5590	36.512	5571.7725	5608.2845	---	---
		5670	36.560	5651.6445	5688.2045	---	---
11AC20SISO	Ant1	5500	18.139	5491.0187	5509.1577	---	---
		5580	18.085	5570.9853	5589.0703	---	---
		5700	18.125	5690.8805	5709.0055	---	---
11AC40SISO	Ant1	5510	36.546	5491.8793	5528.4253	---	---
		5590	36.545	5571.7336	5608.2786	---	---
		5670	36.747	5651.5213	5688.2683	---	---
11AC80SISO	Ant1	5530	75.337	5492.4396	5567.7766	---	---
		5610	75.481	5572.2035	5647.6845	---	---

Test Graphs

11A_Ant1_5500



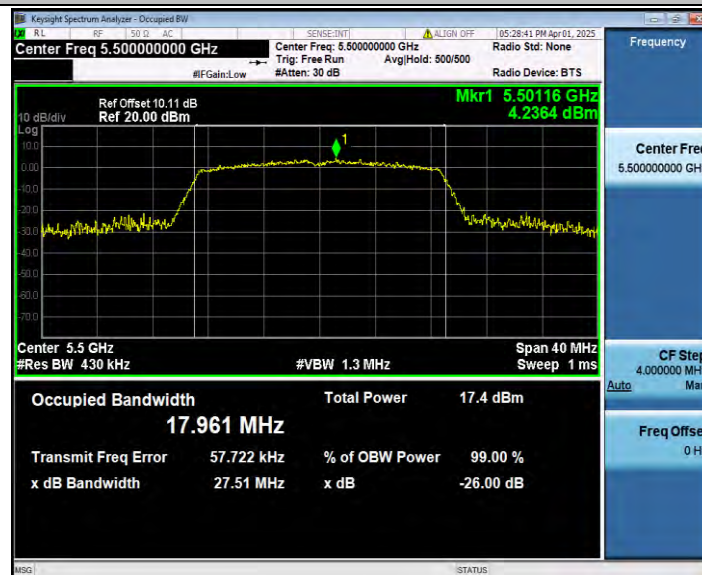
11A_Ant1_5580



11A_Ant1_5700



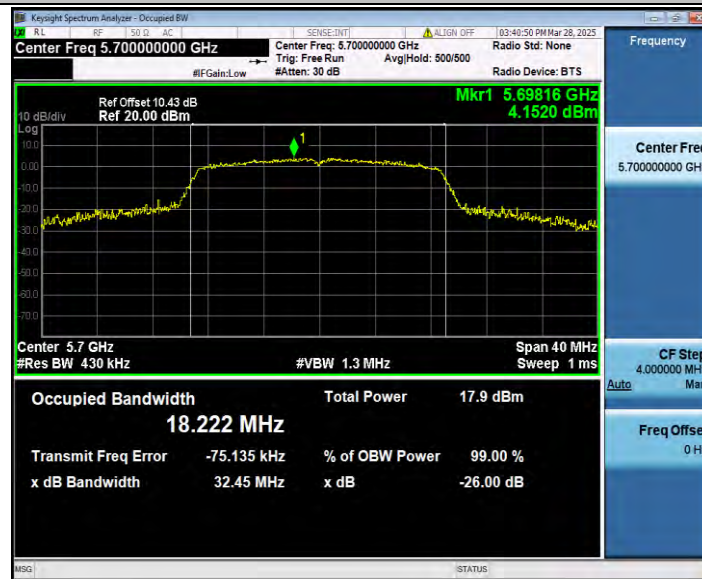
11N20SISO_Ant1_5500



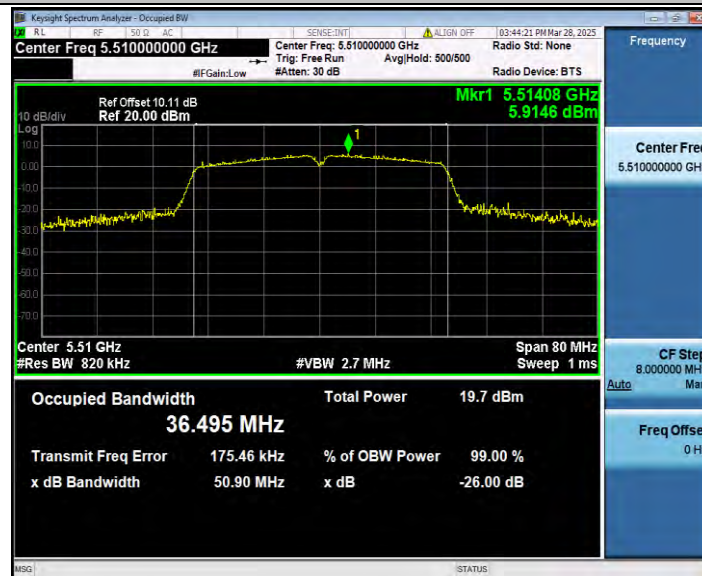
11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



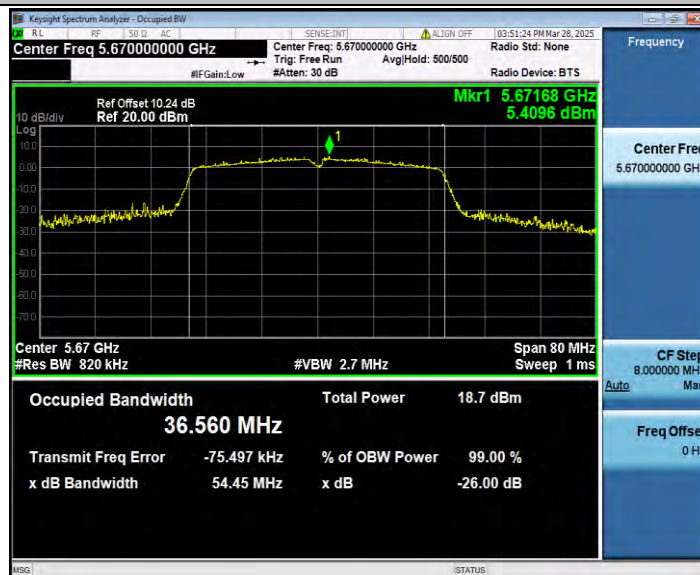
11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



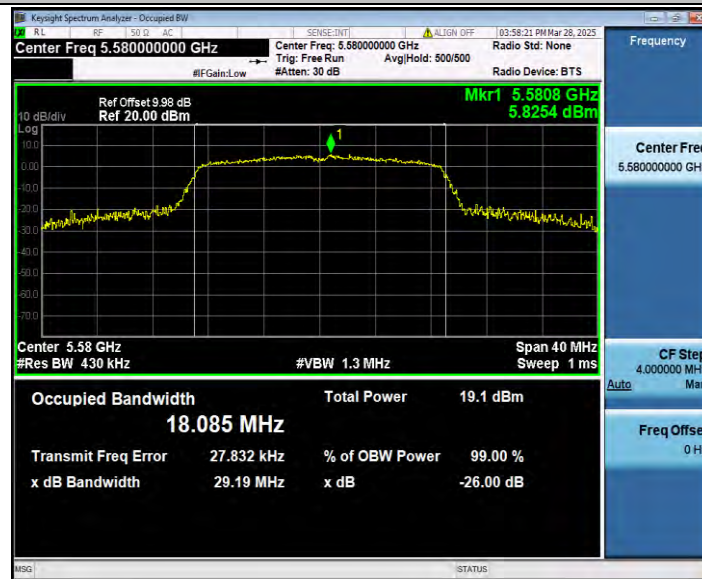
11N40SISO_Ant1_5670



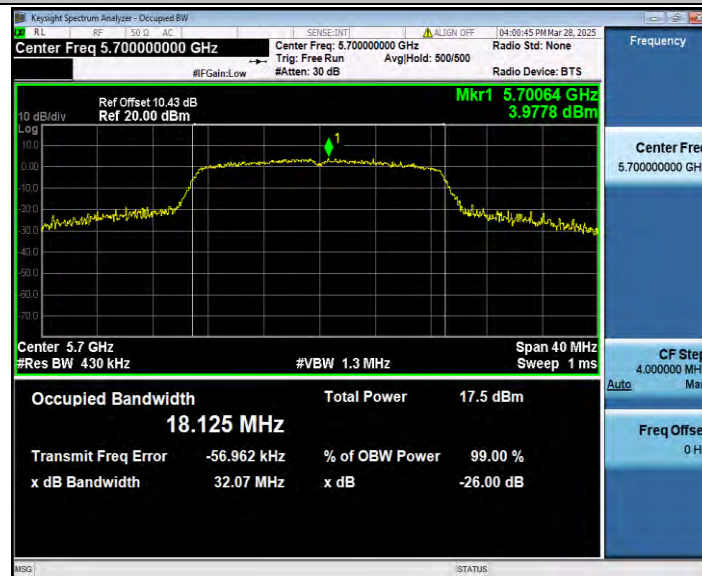
11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



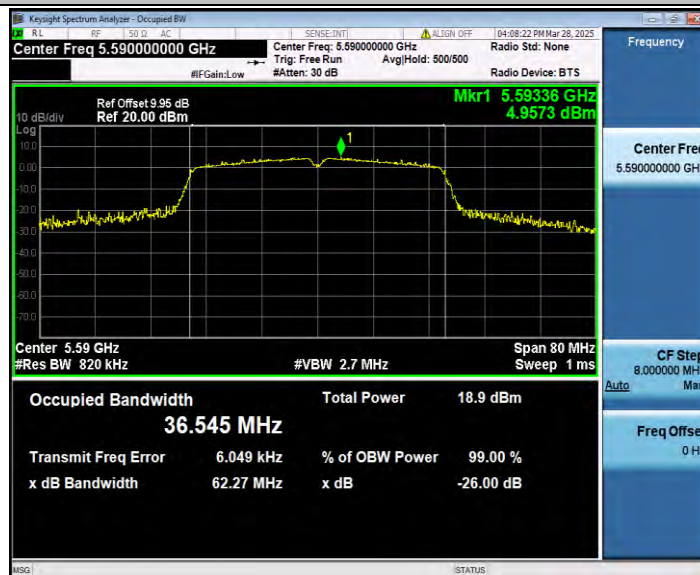
11AC20SISO_Ant1_5700



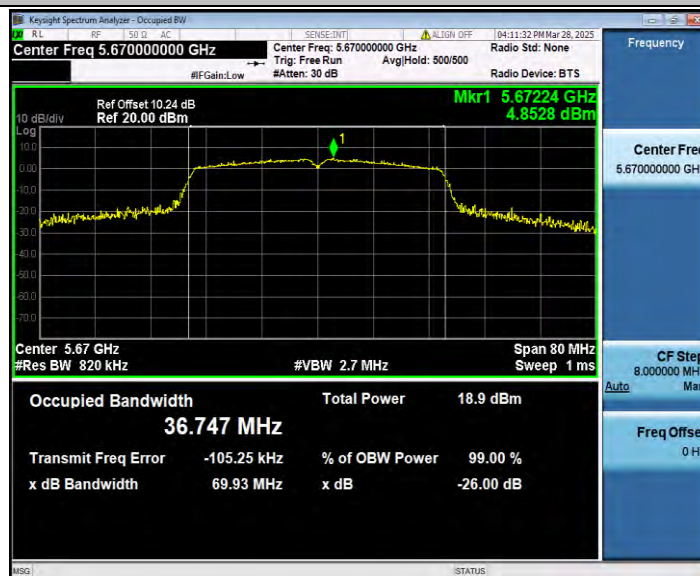
11AC40SISO_Ant1_5510



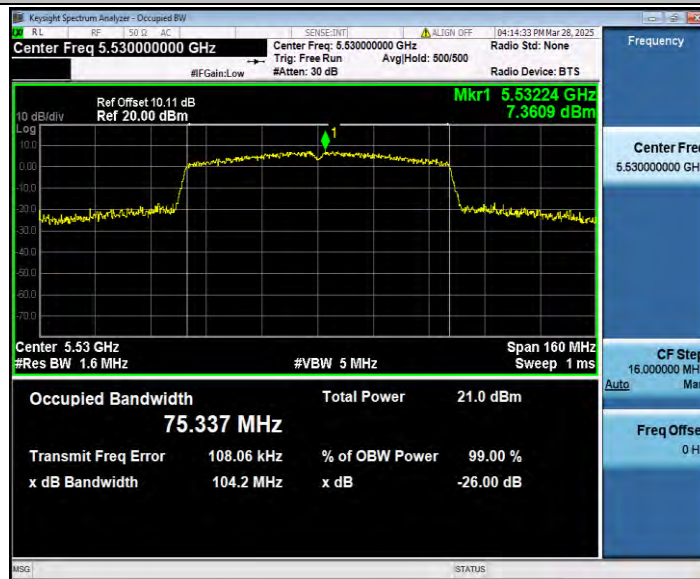
11AC40SISO_Ant1_5590



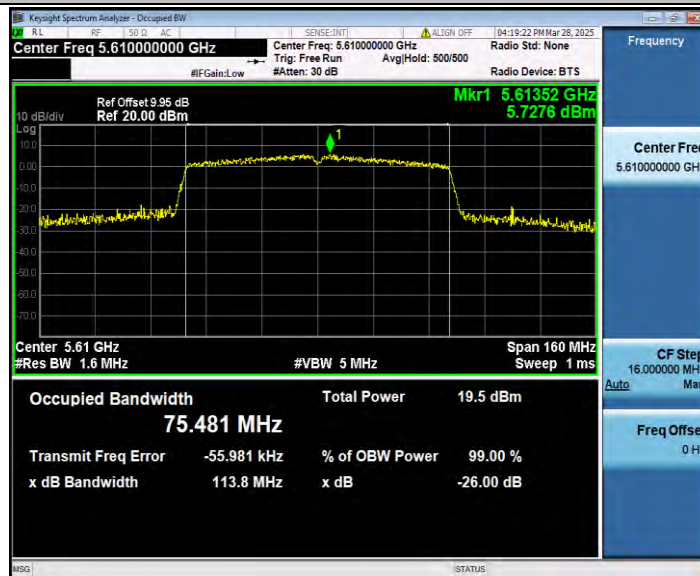
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610

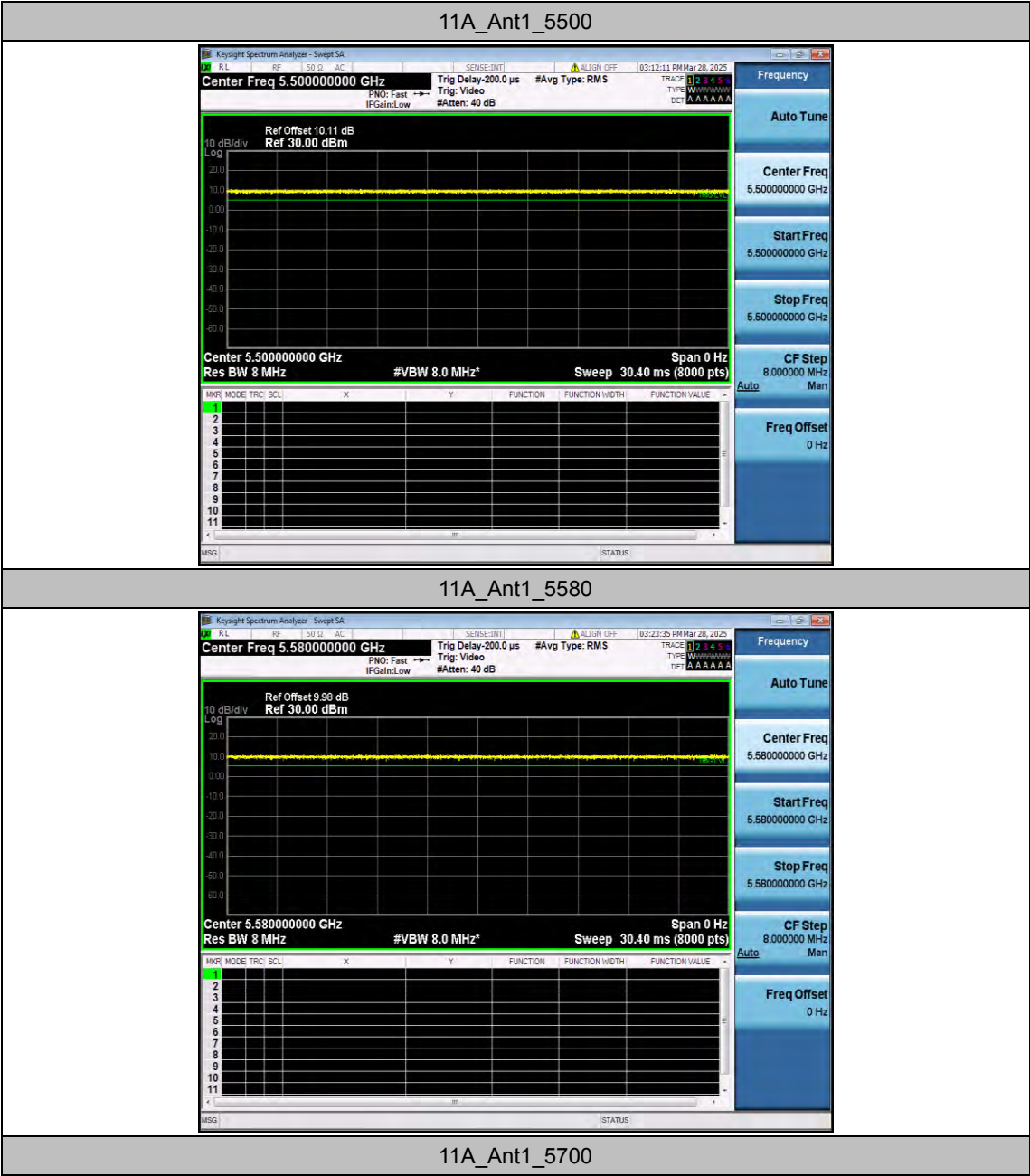


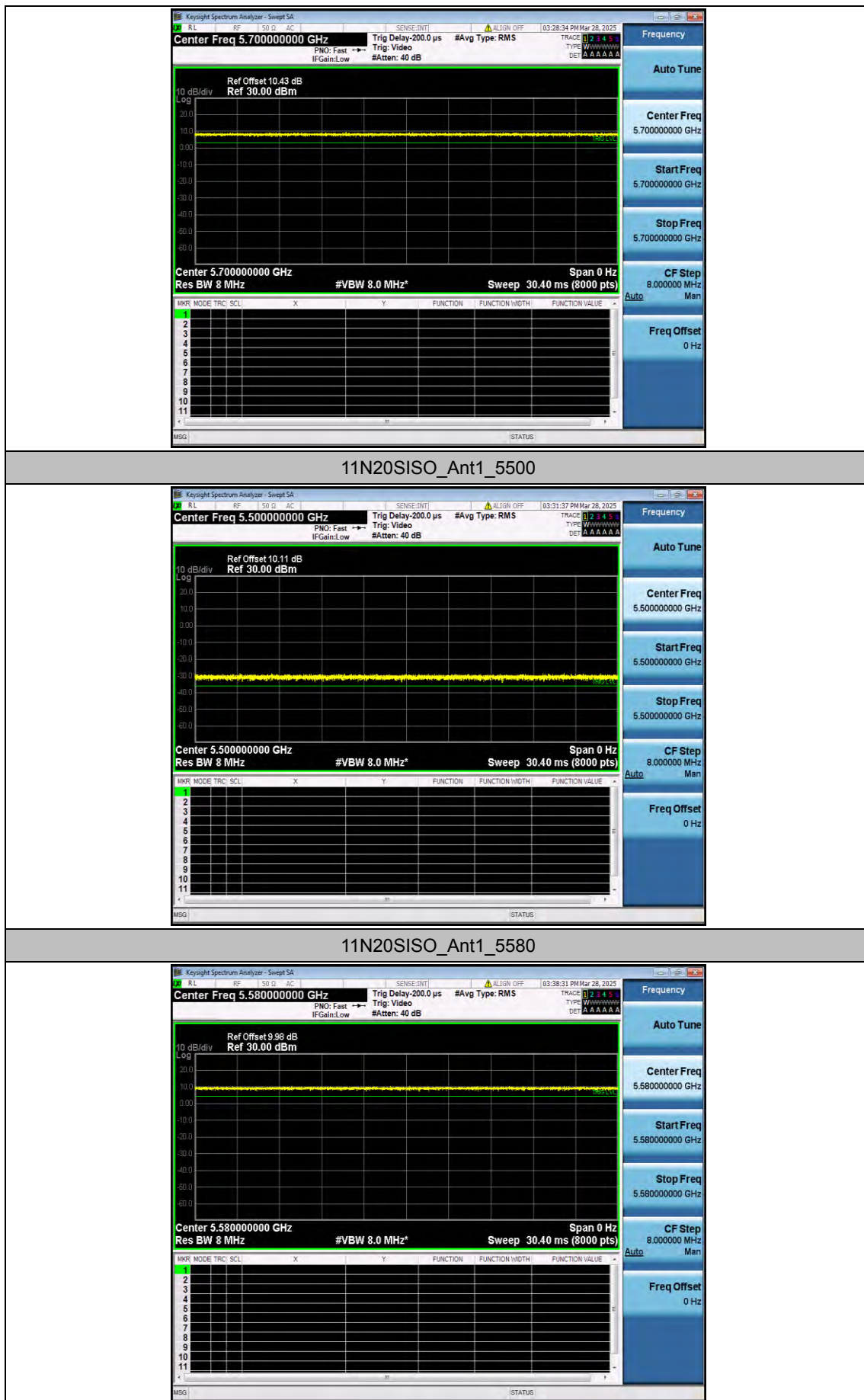
Appendix F.3: Duty Cycle

Test Result

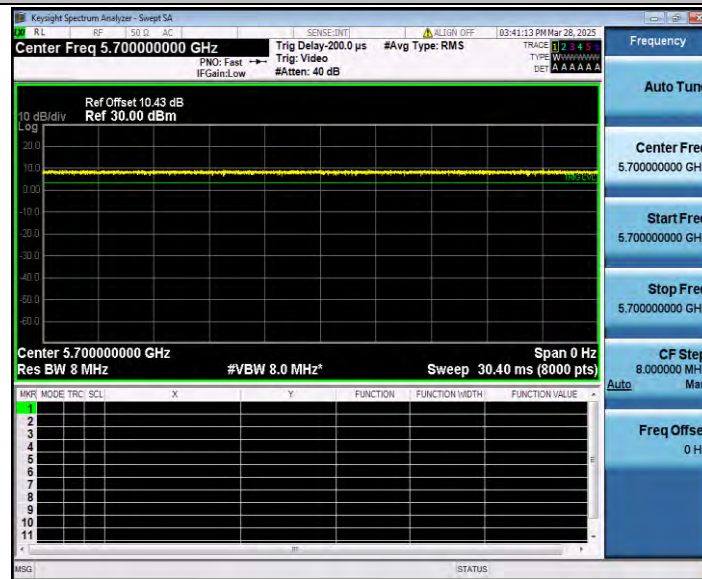
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5500	30.00	30.00	100.00	0.00	0.03
		5580	30.00	30.00	100.00	0.00	0.03
		5700	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant1	5500	30.00	30.00	100.00	0.00	0.03
		5580	30.00	30.00	100.00	0.00	0.03
		5700	30.00	30.00	100.00	0.00	0.03
11N40SISO	Ant1	5510	30.00	30.00	100.00	0.00	0.03
		5590	30.00	30.00	100.00	0.00	0.03
		5670	30.00	30.00	100.00	0.00	0.03
11AC20SISO	Ant1	5500	30.00	30.00	100.00	0.00	0.03
		5580	30.00	30.00	100.00	0.00	0.03
		5700	30.00	30.00	100.00	0.00	0.03
11AC40SISO	Ant1	5510	30.00	30.00	100.00	0.00	0.03
		5590	30.00	30.00	100.00	0.00	0.03
		5670	30.00	30.00	100.00	0.00	0.03
11AC80SISO	Ant1	5530	30.00	30.00	100.00	0.00	0.03
		5610	30.00	30.00	100.00	0.00	0.03

Test Graphs

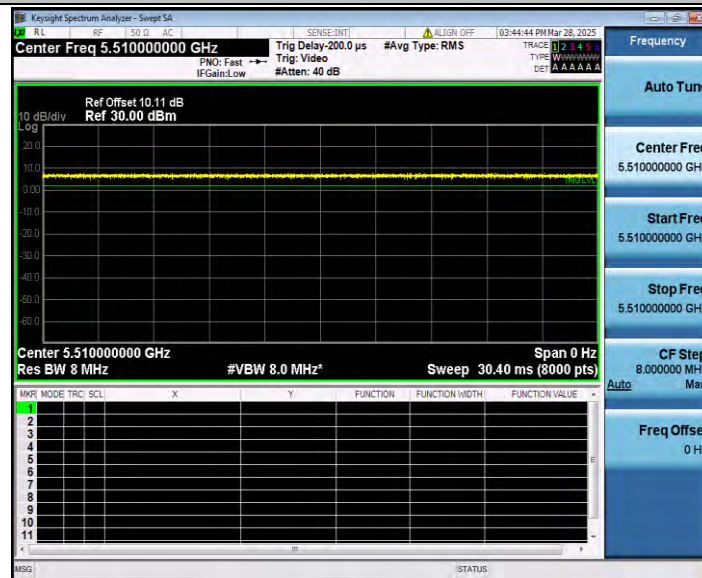




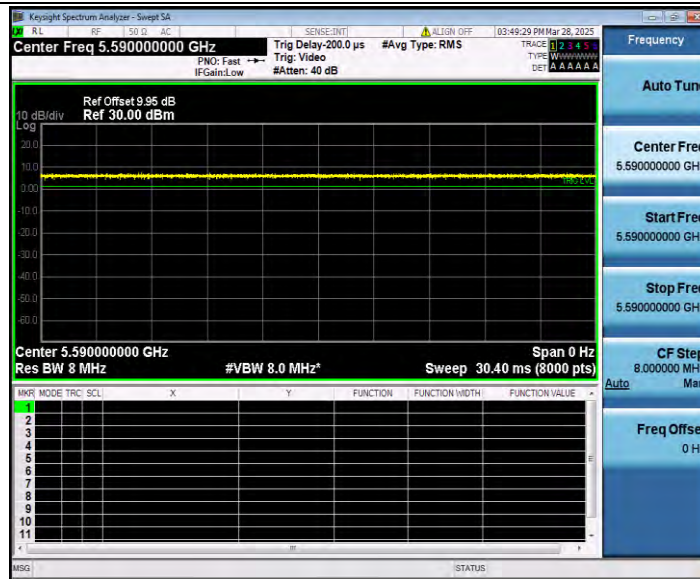
11N20SISO_Ant1_5700



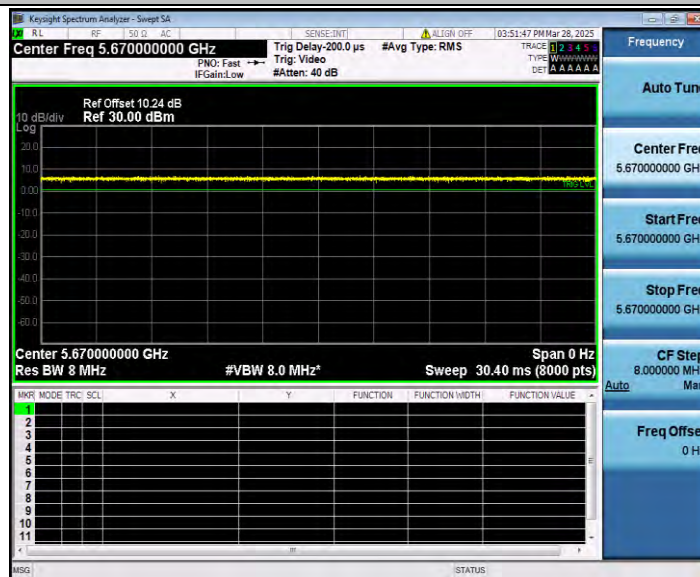
11N40SISO_Ant1_5510



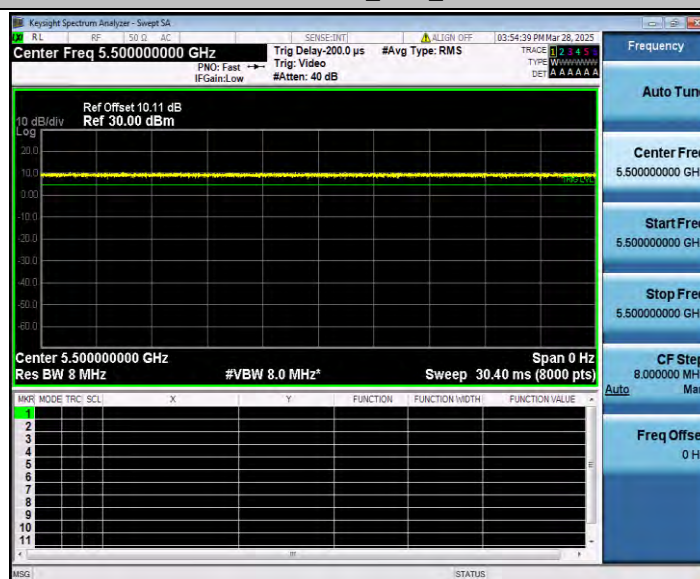
11N40SISO_Ant1_5590



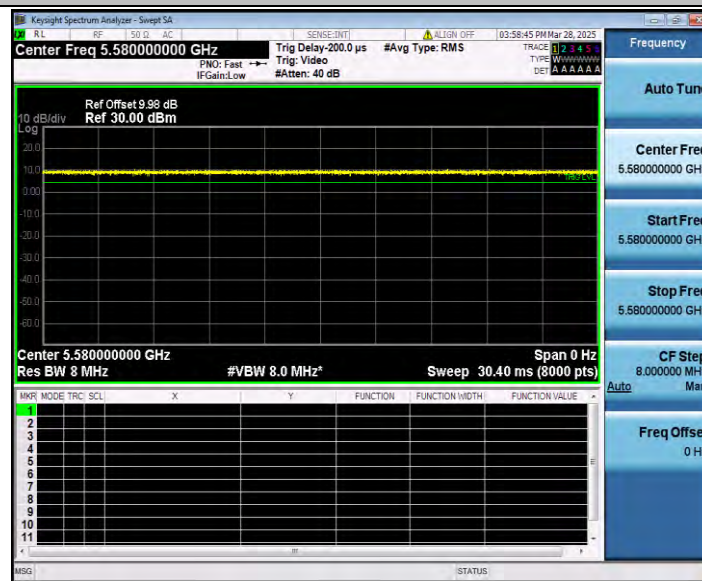
11N40SISO_Ant1_5670



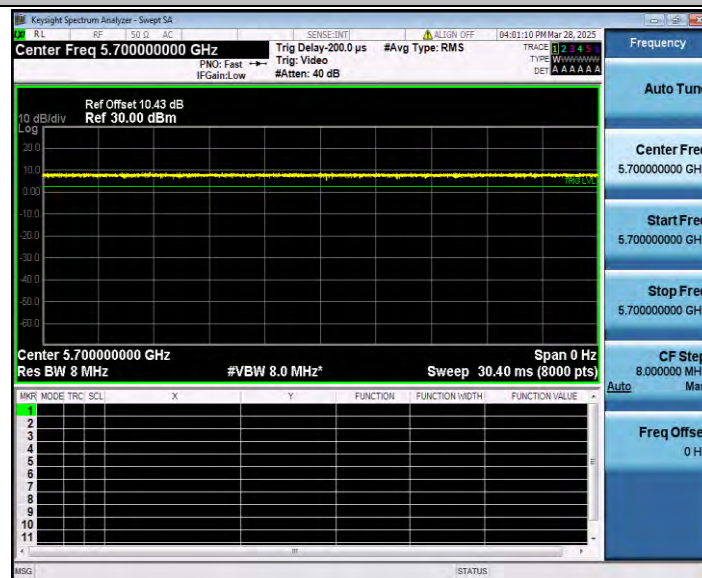
11AC20SISO_Ant1_5500



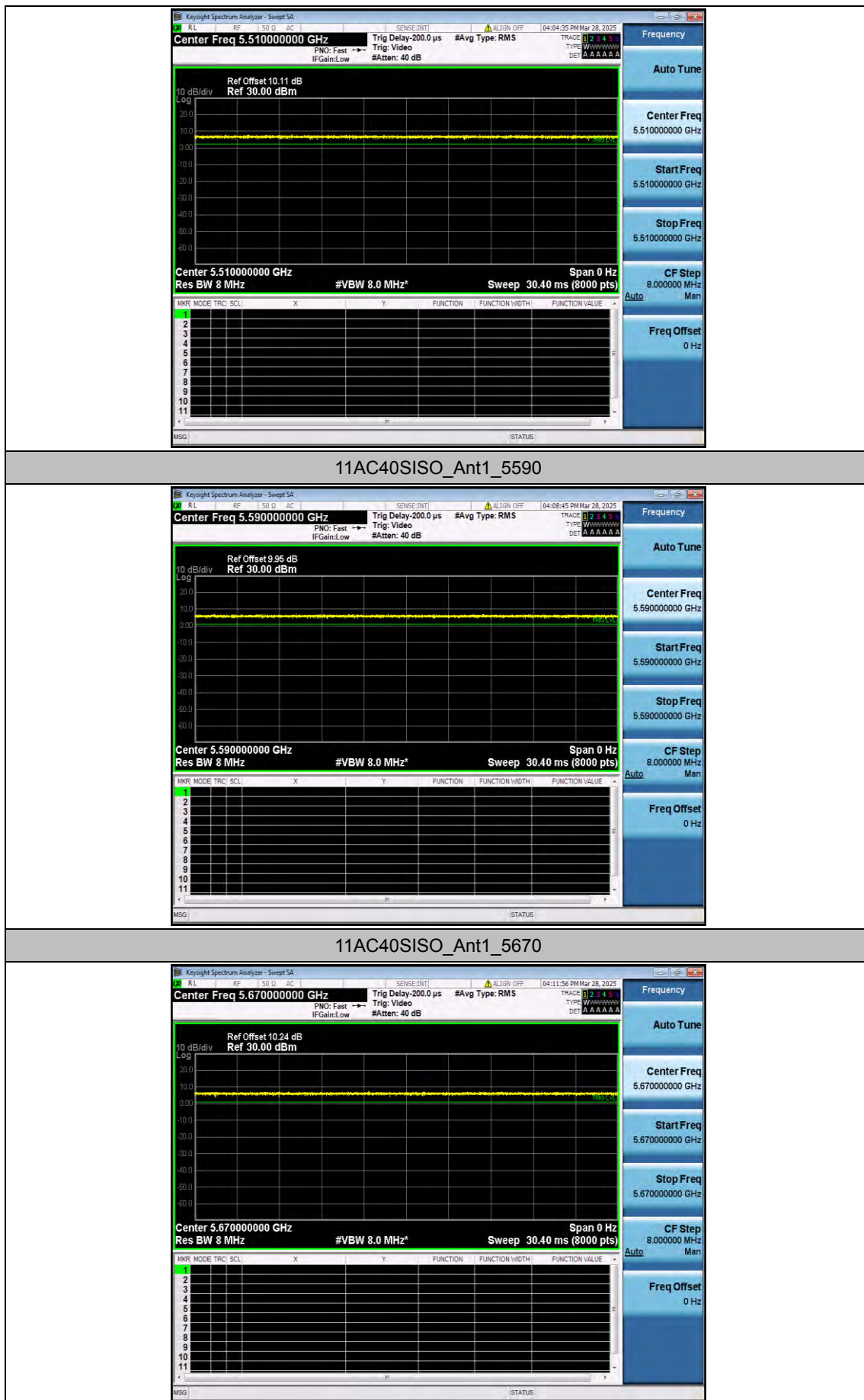
11AC20SISO_Ant1_5580



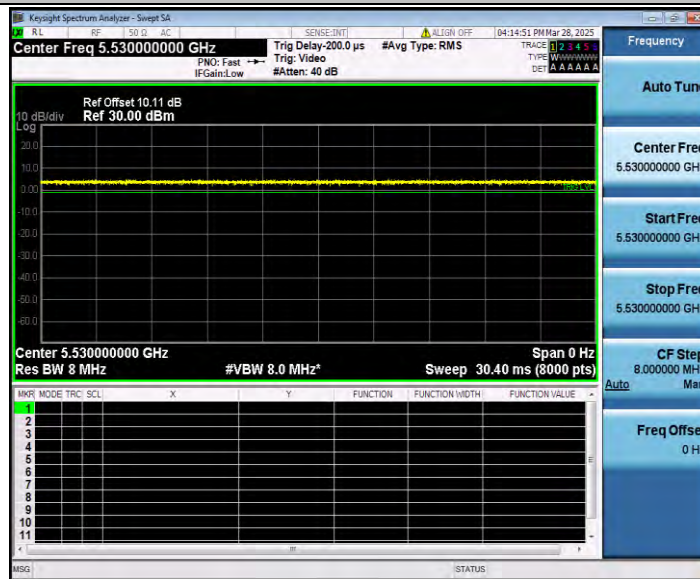
11AC20SISO_Ant1_5700



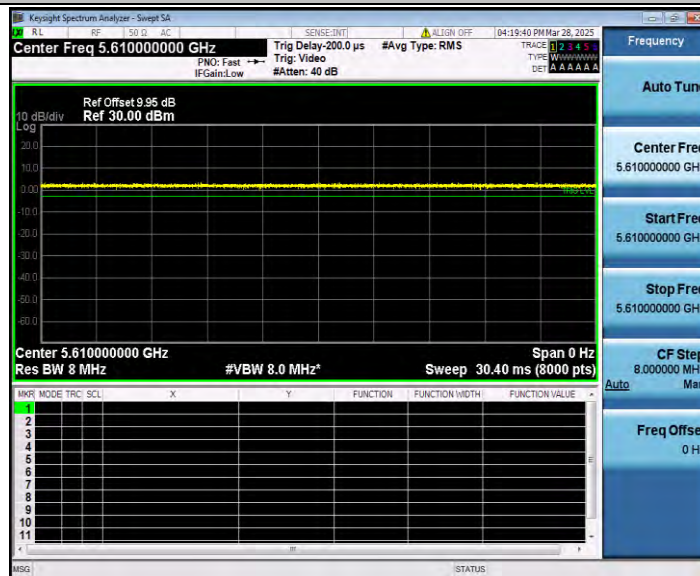
11AC40SISO_Ant1_5510



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



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	12.75	100.00	0.00	12.75	≤23.98	PASS
		5580	12.86	100.00	0.00	12.86	≤23.98	PASS
		5700	10.81	100.00	0.00	10.81	≤23.98	PASS
11N20SISO	Ant1	5500	12.70	100.00	0.00	12.70	≤23.98	PASS
		5580	12.33	100.00	0.00	12.33	≤23.98	PASS
		5700	11.11	100.00	0.00	11.11	≤23.98	PASS
11N40SISO	Ant1	5510	12.22	100.00	0.00	12.22	≤23.98	PASS
		5590	11.84	100.00	0.00	11.84	≤23.98	PASS
		5670	11.30	100.00	0.00	11.30	≤23.98	PASS
11AC20SISO	Ant1	5500	12.41	100.00	0.00	12.41	≤23.98	PASS
		5580	12.25	100.00	0.00	12.25	≤23.98	PASS
		5700	10.69	100.00	0.00	10.69	≤23.98	PASS
11AC40SISO	Ant1	5510	12.36	100.00	0.00	12.36	≤23.98	PASS
		5590	11.56	100.00	0.00	11.56	≤23.98	PASS
		5670	11.49	100.00	0.00	11.49	≤23.98	PASS
11AC80SISO	Ant1	5530	11.96	100.00	0.00	11.96	≤23.98	PASS
		5610	10.40	100.00	0.00	10.40	≤23.98	PASS

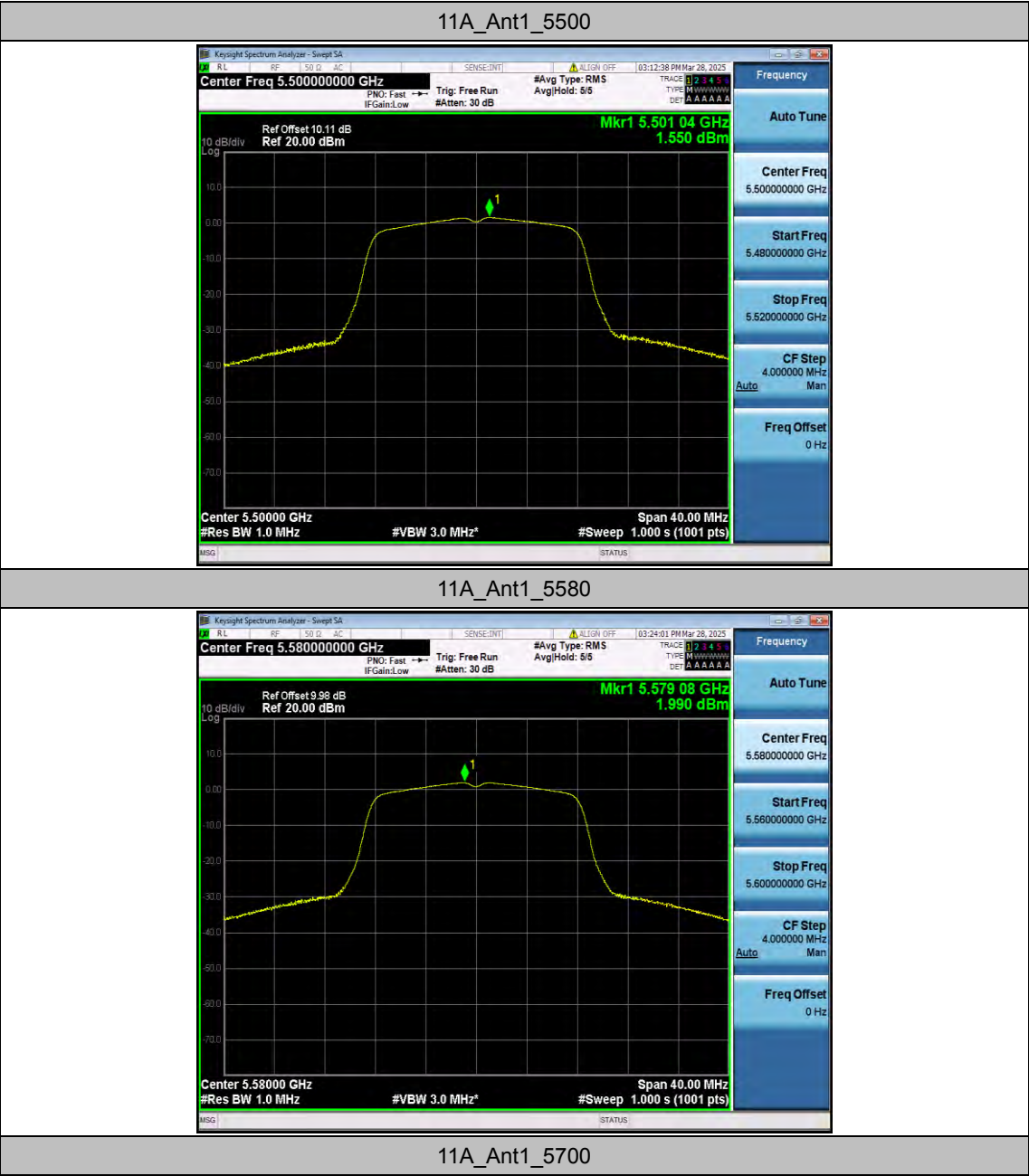
Appendix F.5: Maximum power spectral density

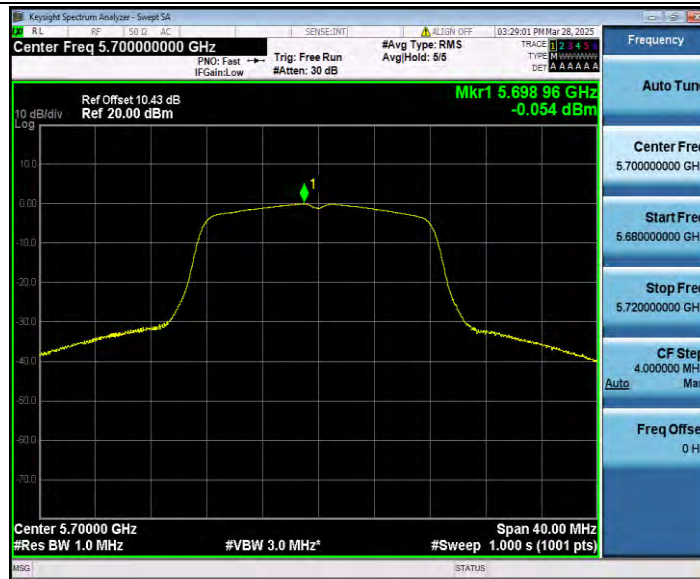
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5500	1.55	≤11.00	PASS
		5580	1.99	≤11.00	PASS
		5700	-0.05	≤11.00	PASS
11N20SISO	Ant1	5500	-0.71	≤11.00	PASS
		5580	1.21	≤11.00	PASS
		5700	-0.04	≤11.00	PASS
11N40SISO	Ant1	5510	-1.24	≤11.00	PASS
		5590	-1.74	≤11.00	PASS
		5670	-2.29	≤11.00	PASS
11AC20SISO	Ant1	5500	1.22	≤11.00	PASS
		5580	1.10	≤11.00	PASS
		5700	-0.40	≤11.00	PASS
11AC40SISO	Ant1	5510	-1.10	≤11.00	PASS
		5590	-2.00	≤11.00	PASS
		5670	-2.03	≤11.00	PASS
11AC80SISO	Ant1	5530	-4.15	≤11.00	PASS
		5610	-5.81	≤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





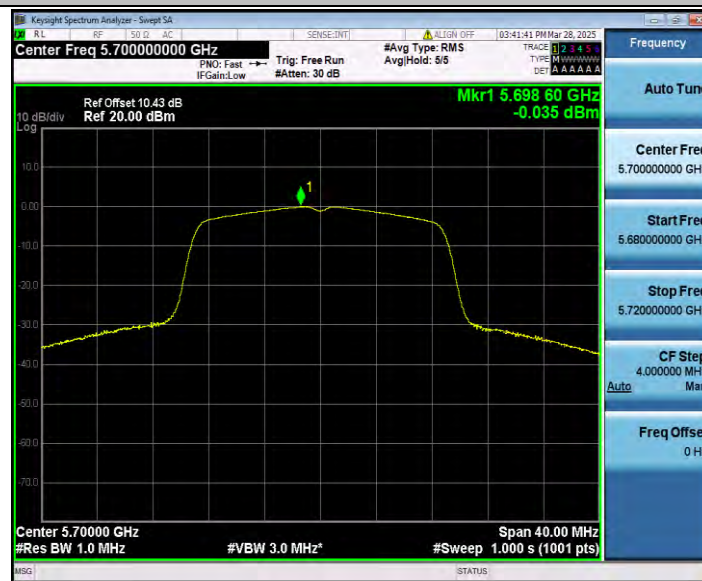
11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



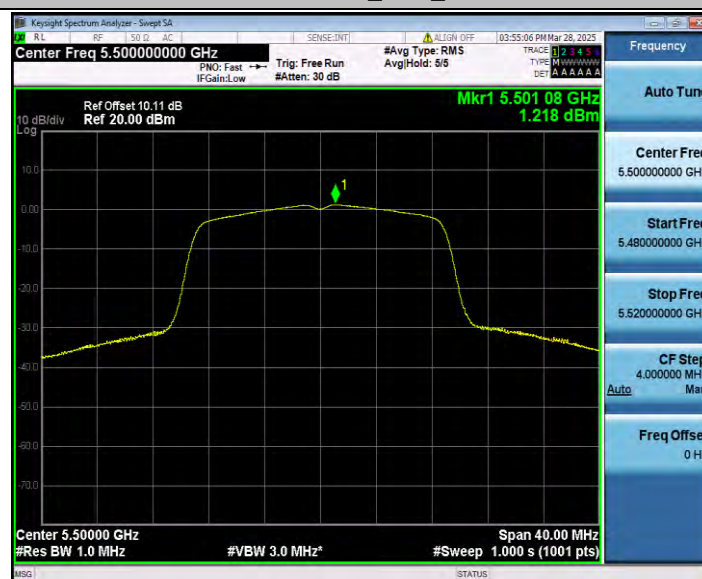
11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



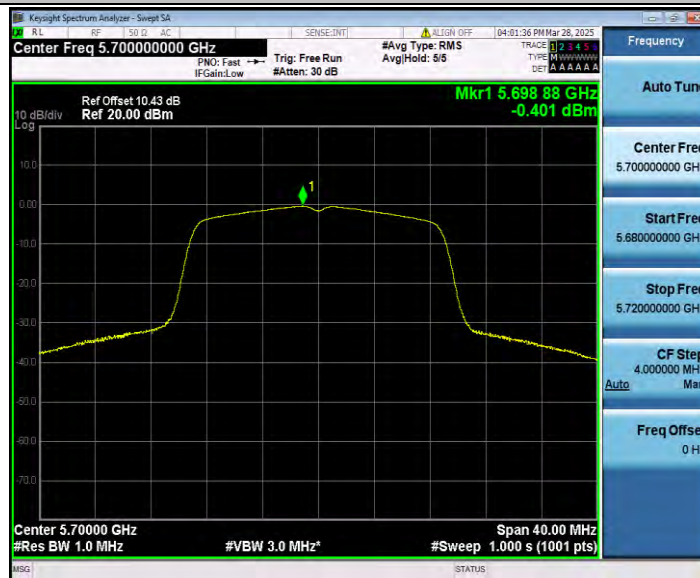
11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610

