

Case No. : <u>CTA24070301804</u>	
Ambient Condition: <u>23</u> °C, <u>52</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2024.6.9-2024.7.10</u>	Test Engineer: <u>Lushan Kong</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	20.000	5490.080	5510.080	---	---
		5580	19.920	5570.040	5589.960	---	---
		5700	22.160	5689.920	5712.080	---	---
11N20SISO	Ant1	5500	20.320	5489.840	5510.160	---	---
		5580	20.760	5569.320	5590.080	---	---
		5700	20.720	5689.480	5710.200	---	---
11N40SISO	Ant1	5510	41.760	5489.360	5531.120	---	---
		5590	42.160	5569.200	5611.360	---	---
		5670	40.800	5649.440	5690.240	---	---
11AC20SISO	Ant1	5500	20.320	5489.920	5510.240	---	---
		5580	20.320	5569.760	5590.080	---	---
		5700	20.240	5689.840	5710.080	---	---
11AC40SISO	Ant1	5510	40.720	5489.680	5530.400	---	---
		5590	40.640	5569.600	5610.240	---	---
		5670	40.320	5649.760	5690.080	---	---
11AC80SISO	Ant1	5530	80.800	5489.680	5570.480	---	---
		5610	81.280	5569.360	5650.640	---	---

Test Graphs

11A_Ant1_5500



11A_Ant1_5580



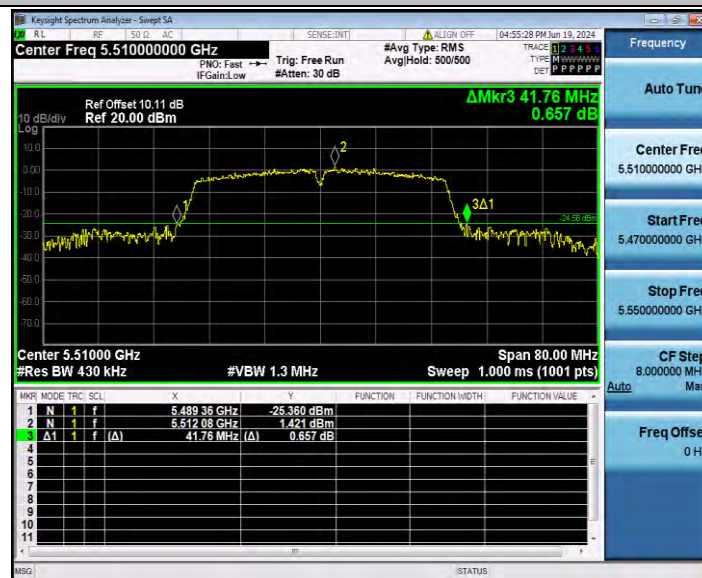
11A_Ant1_5700



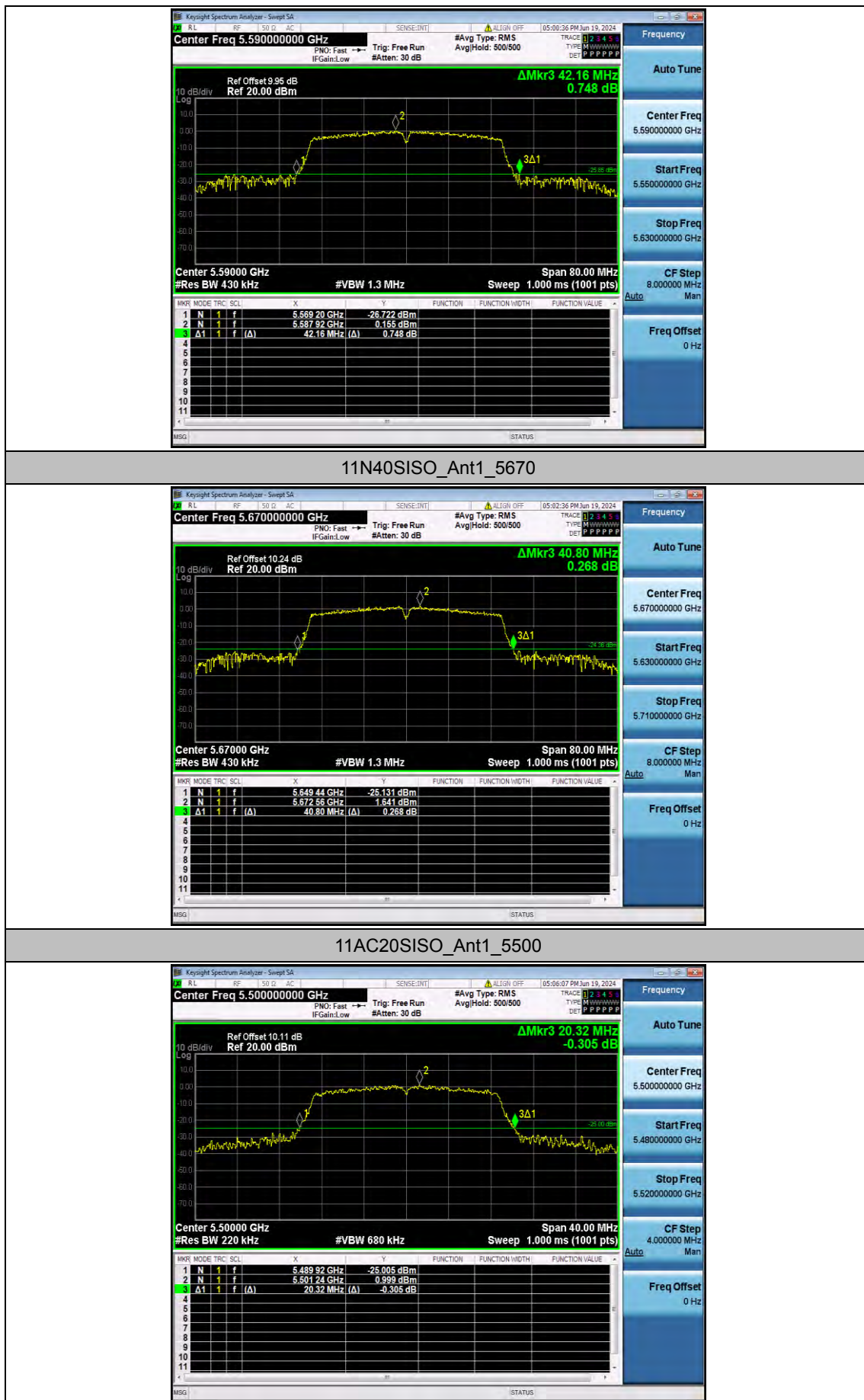
11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610

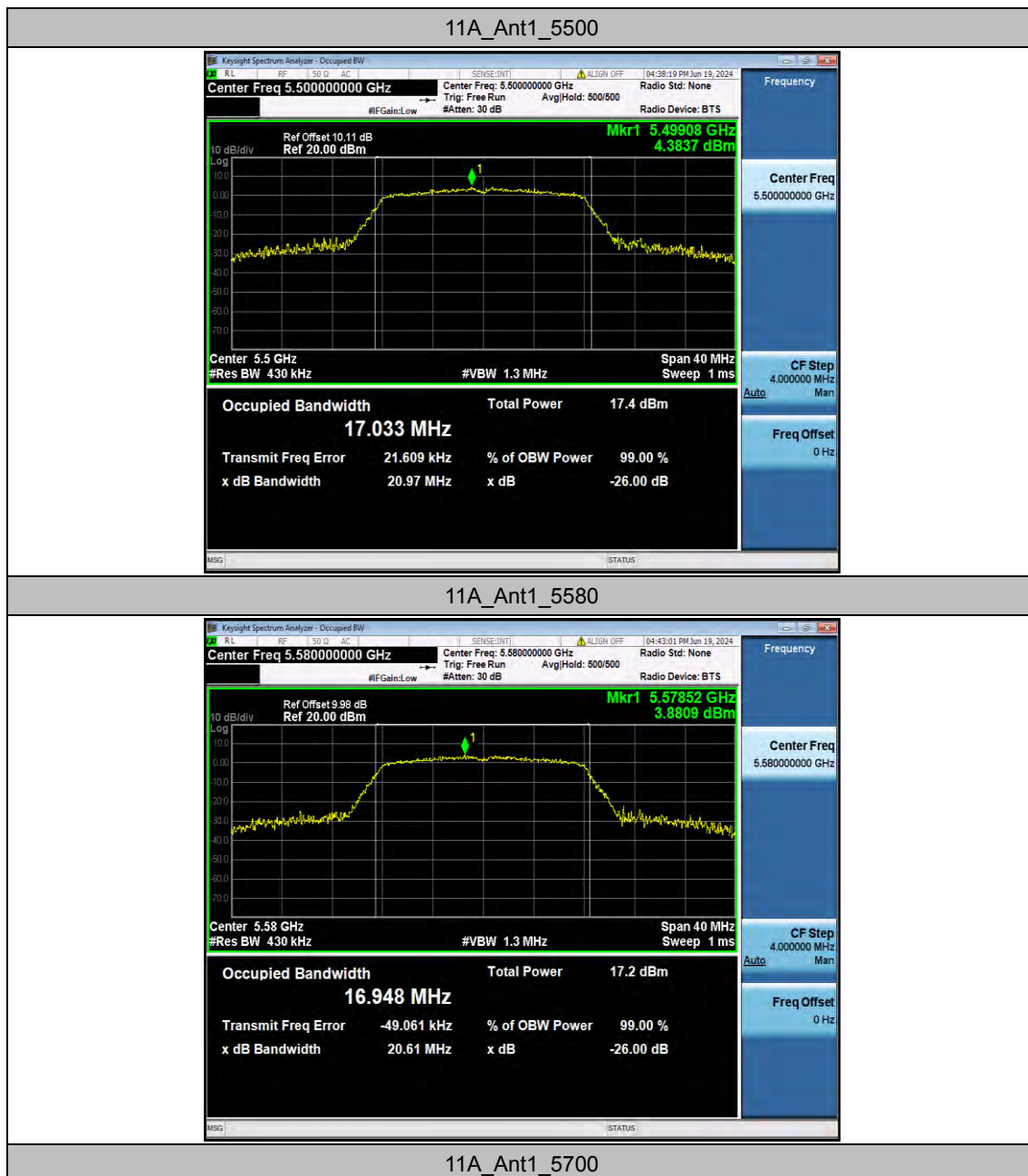


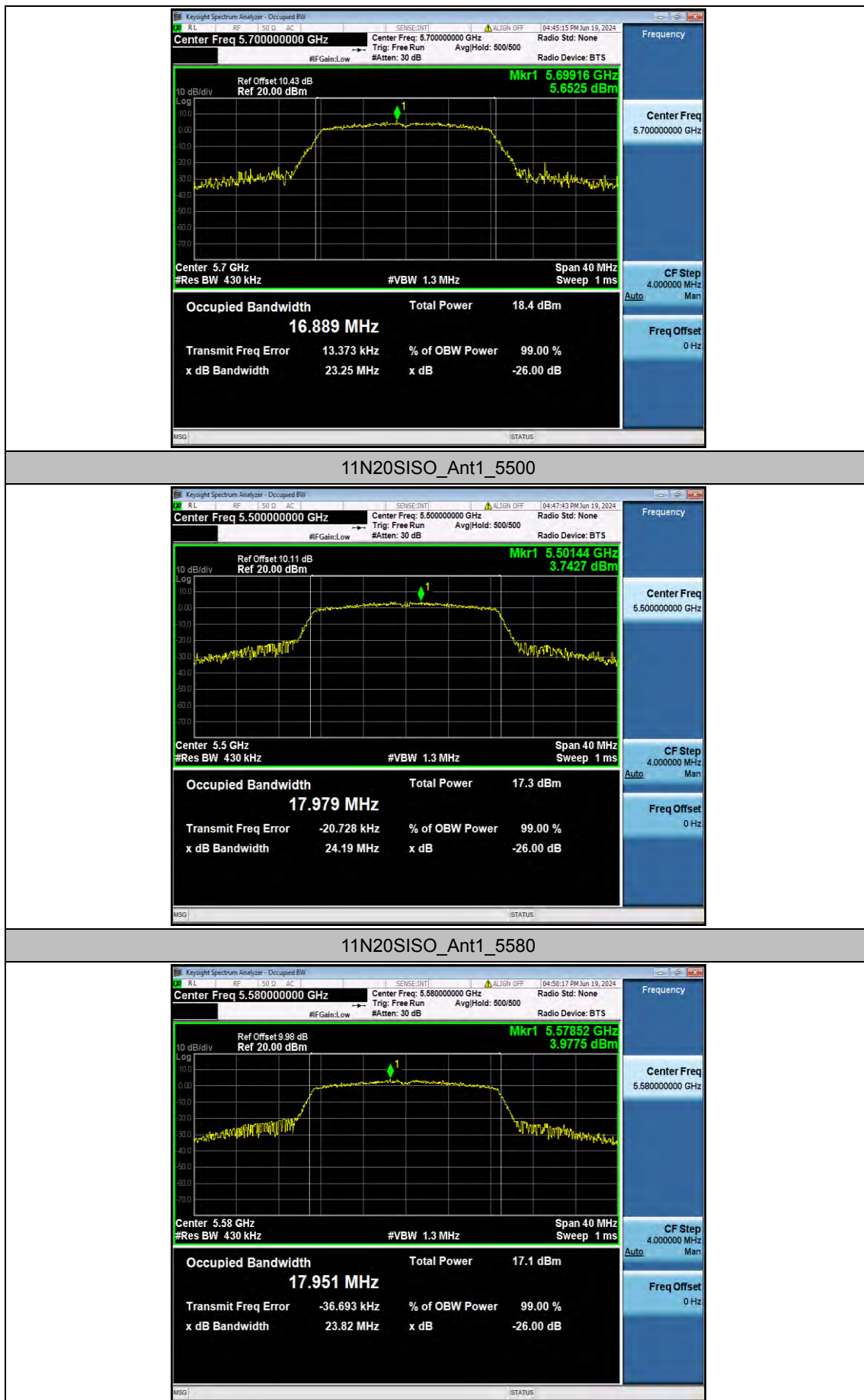
Appendix F.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	17.033	5491.5051	5508.5381	---	---
		5580	16.948	5571.4769	5588.4249	---	---
		5700	16.889	5691.5689	5708.4579	---	---
11N20SISO	Ant1	5500	17.979	5490.9898	5508.9688	---	---
		5580	17.951	5570.9878	5588.9388	---	---
		5700	18.000	5690.9828	5708.9828	---	---
11N40SISO	Ant1	5510	36.529	5491.7857	5528.3147	---	---
		5590	36.561	5571.6891	5608.2501	---	---
		5670	36.508	5651.7340	5688.2420	---	---
11AC20SISO	Ant1	5500	17.920	5491.0717	5508.9917	---	---
		5580	17.881	5571.0342	5588.9152	---	---
		5700	17.855	5691.0461	5708.9011	---	---
11AC40SISO	Ant1	5510	36.348	5491.8541	5528.2021	---	---
		5590	36.467	5571.7521	5608.2191	---	---
		5670	36.263	5651.8379	5688.1009	---	---
11AC80SISO	Ant1	5530	75.289	5492.2960	5567.5850	---	---
		5610	75.460	5572.2249	5647.6849	---	---

Test Graphs

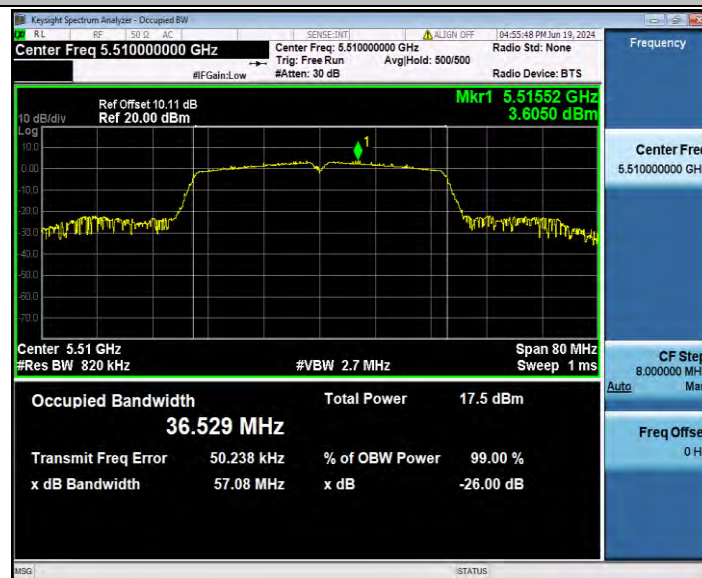




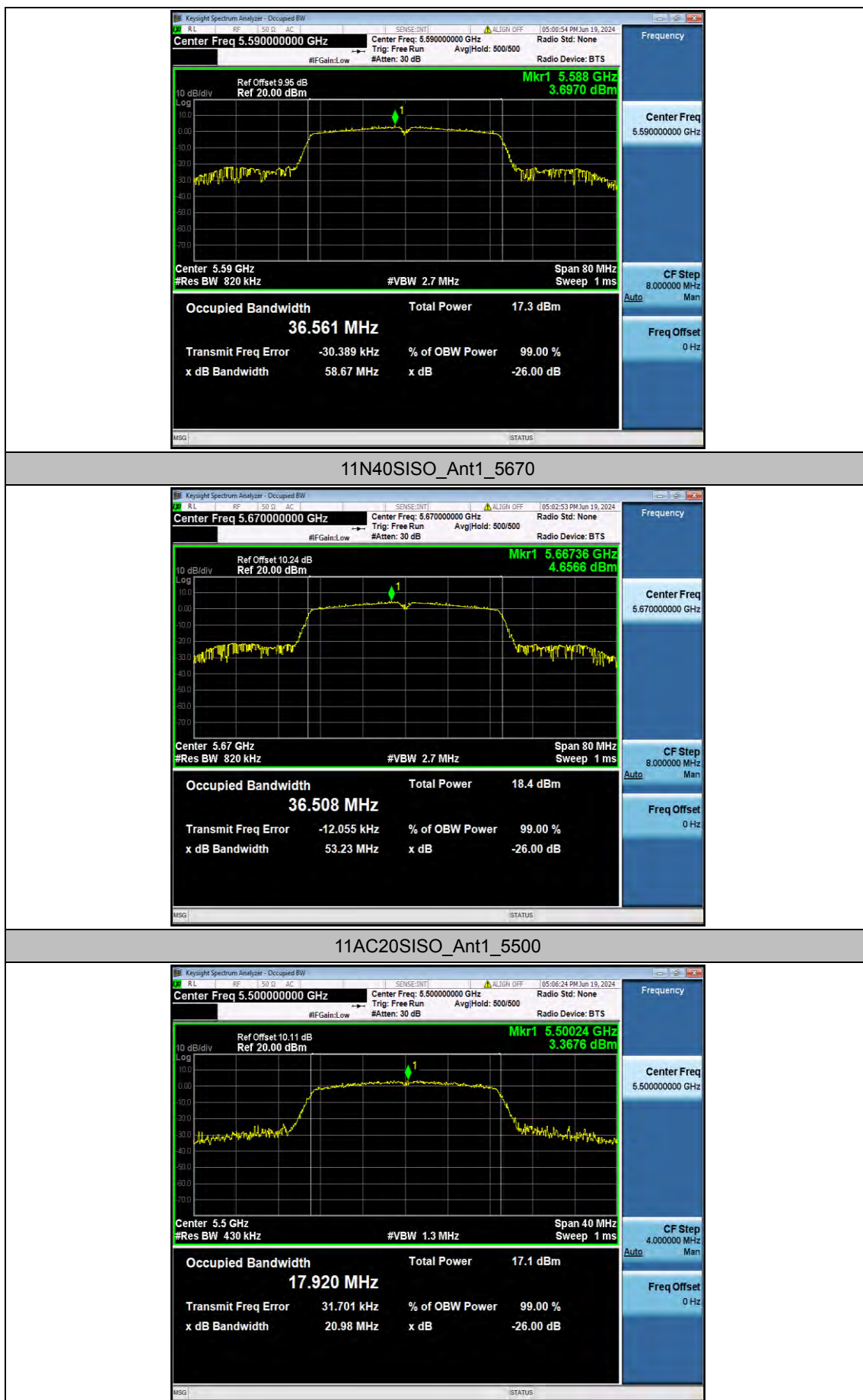
11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



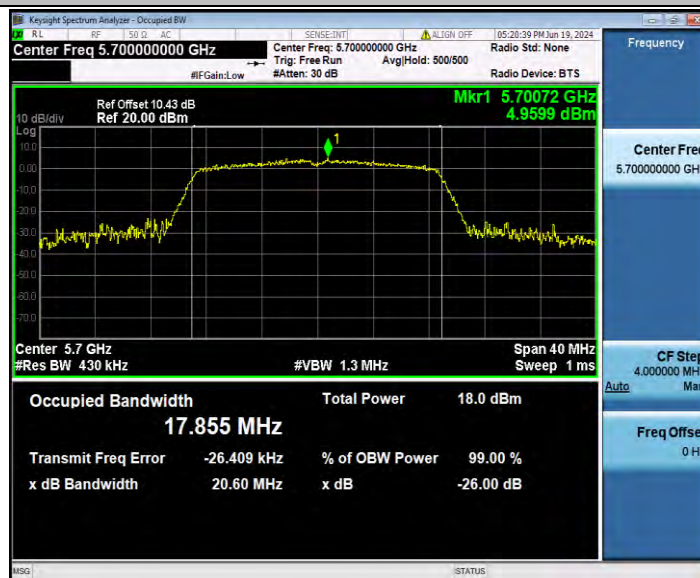
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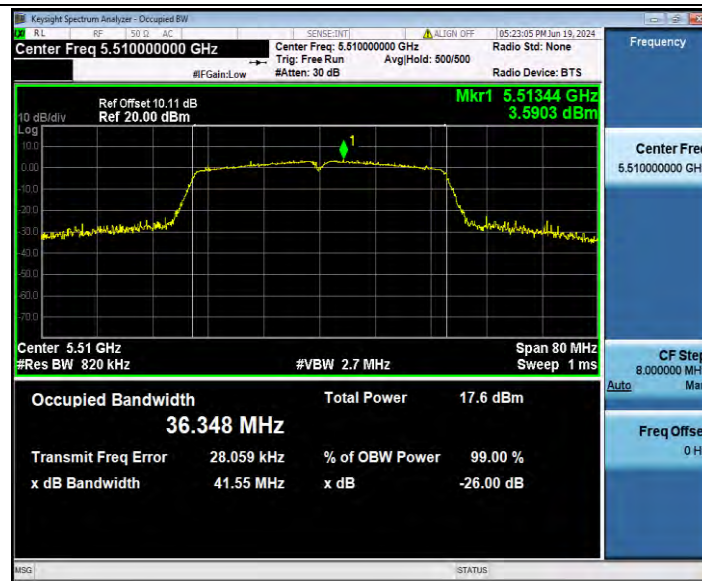
11AC20SISO_Ant1_5580



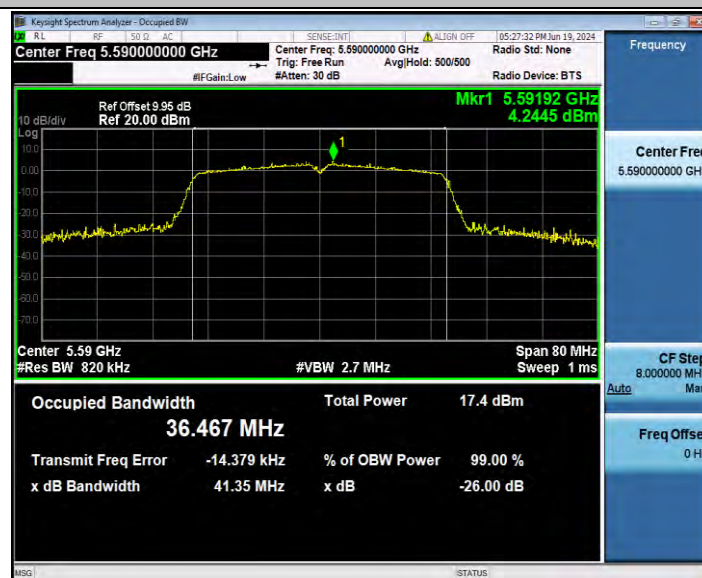
11AC20SISO_Ant1_5700



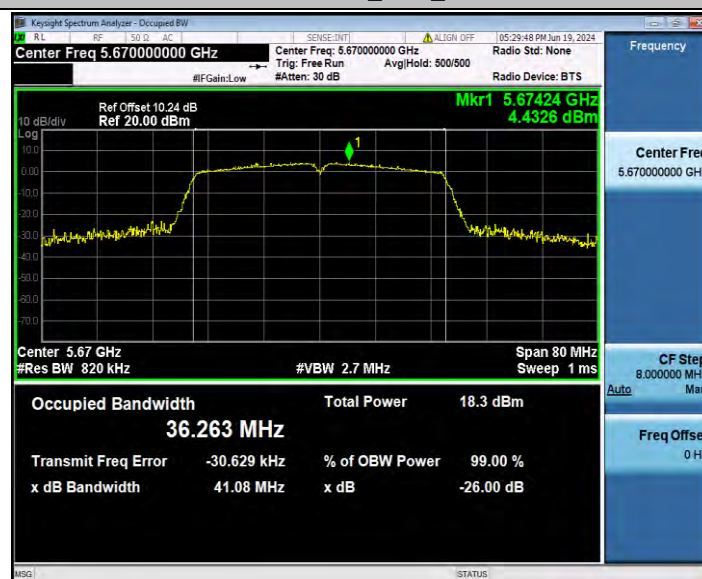
11AC40SISO_Ant1_5510



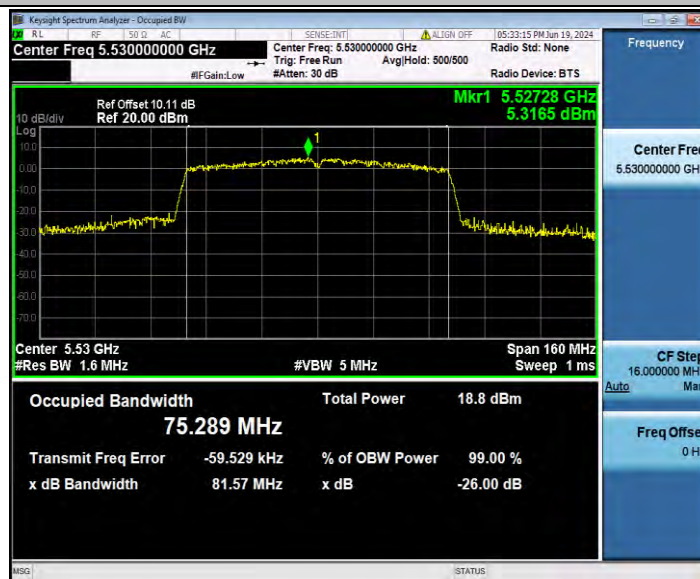
11AC40SISO_Ant1_5590



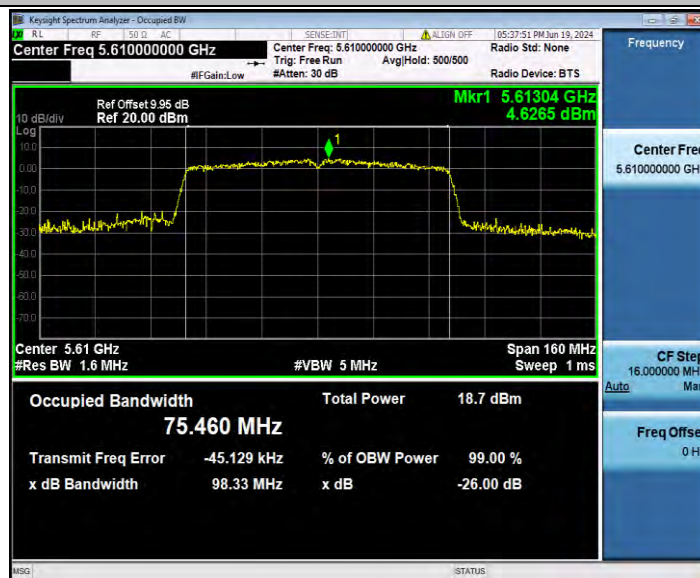
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610

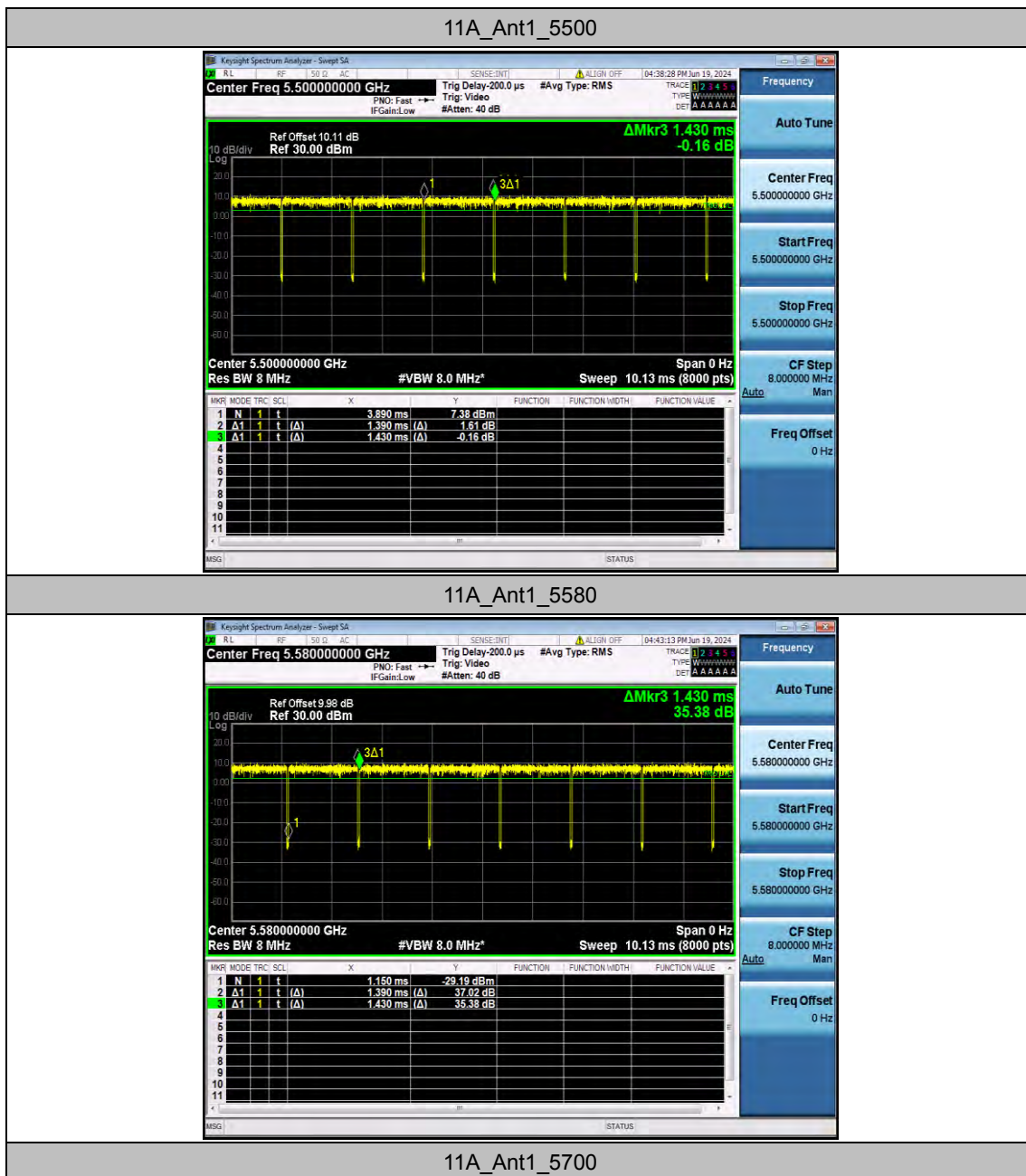


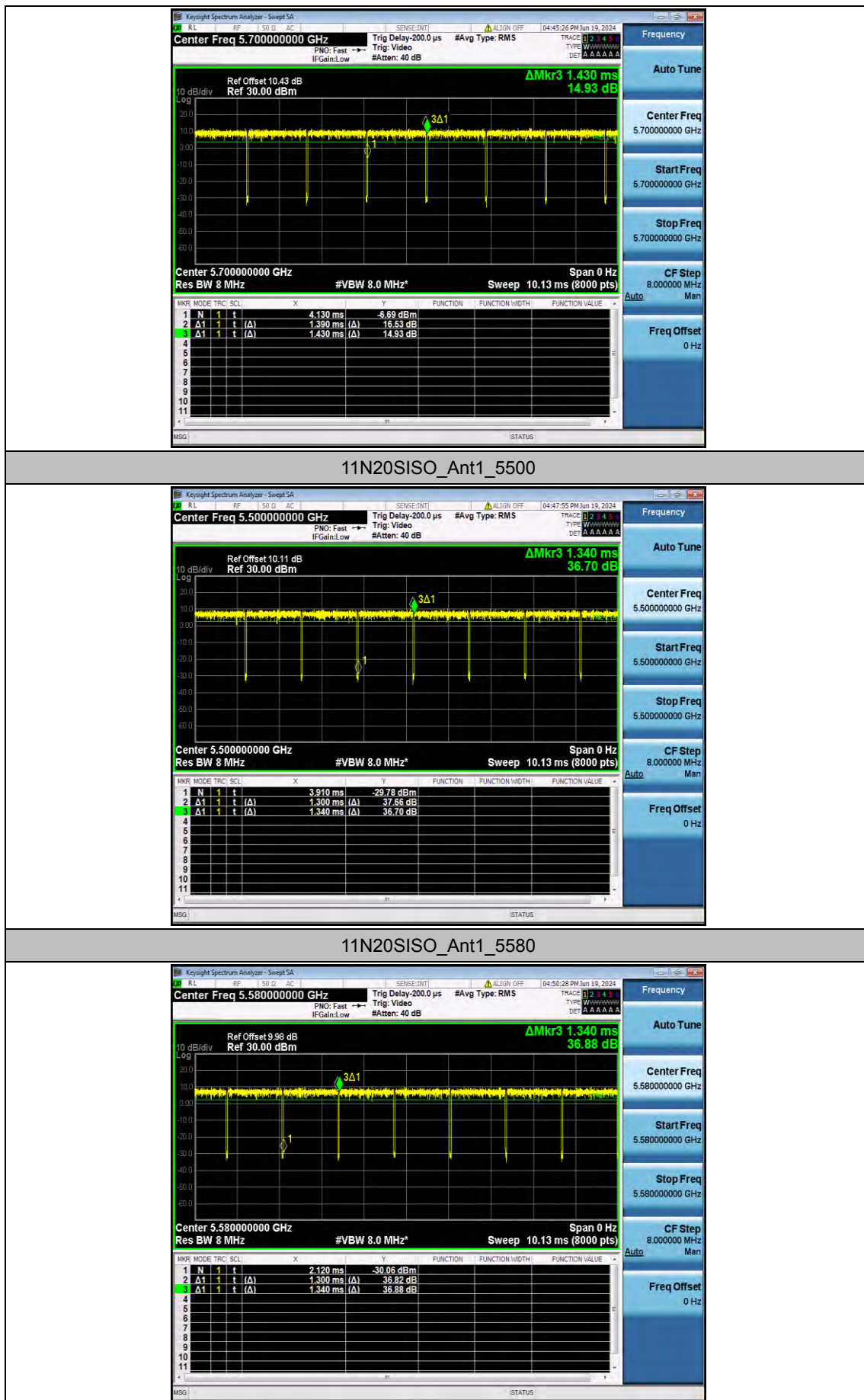
Appendix F.3: Duty Cycle

Test Result

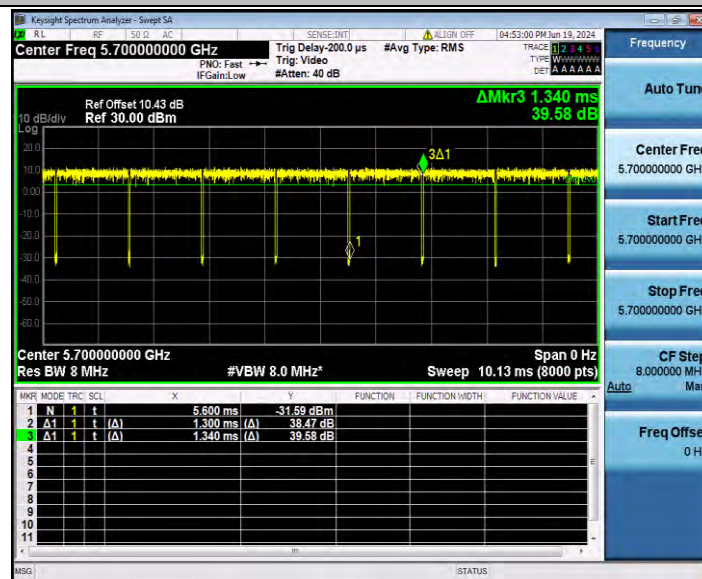
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5500	1.39	1.43	97.20	0.12	0.72
		5580	1.39	1.43	97.20	0.12	0.72
		5700	1.39	1.43	97.20	0.12	0.72
11N20SISO	Ant1	5500	1.30	1.34	97.01	0.13	0.77
		5580	1.30	1.34	97.01	0.13	0.77
		5700	1.30	1.34	97.01	0.13	0.77
11N40SISO	Ant1	5510	0.65	0.68	95.59	0.20	1.54
		5590	0.65	0.69	94.20	0.26	1.54
		5670	0.65	0.68	95.59	0.20	1.54
11AC20SISO	Ant1	5500	1.31	1.35	97.04	0.13	0.76
		5580	1.31	1.34	97.76	0.10	0.76
		5700	1.31	1.35	97.04	0.13	0.76
11AC40SISO	Ant1	5510	0.65	0.69	94.20	0.26	1.54
		5590	0.65	0.69	94.20	0.26	1.54
		5670	0.65	0.69	94.20	0.26	1.54
11AC80SISO	Ant1	5530	0.33	0.36	91.67	0.38	3.03
		5610	0.33	0.36	91.67	0.38	3.03

Test Graphs

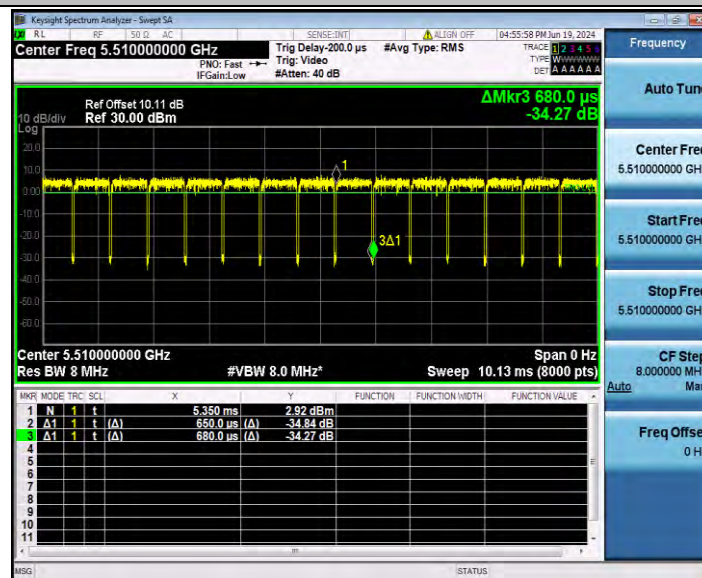




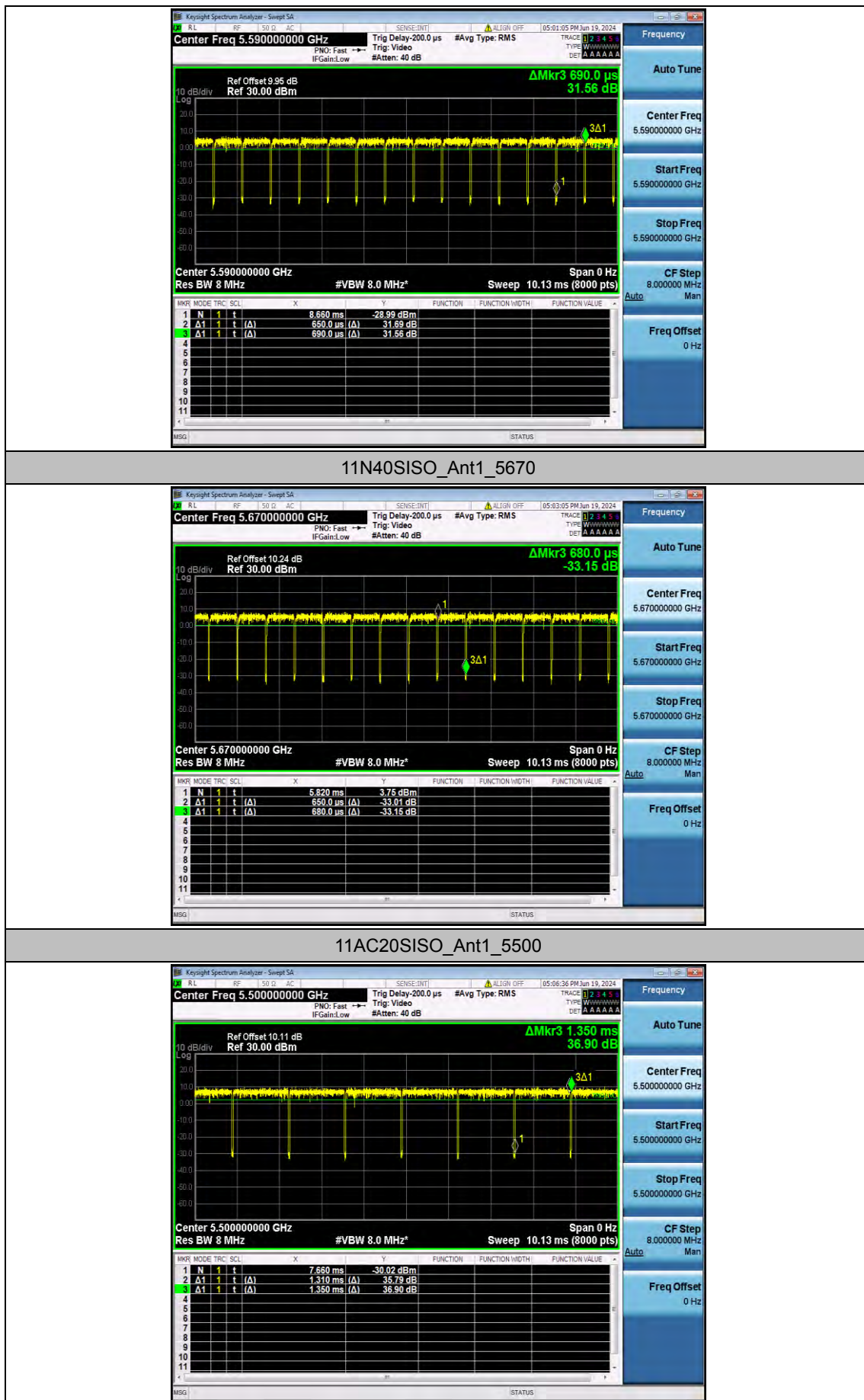
11N20SISO_Ant1_5700



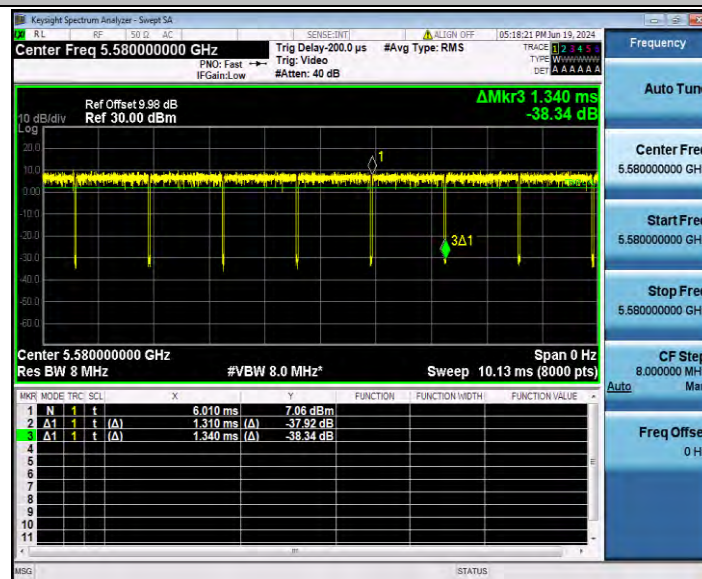
11N40SISO_Ant1_5510



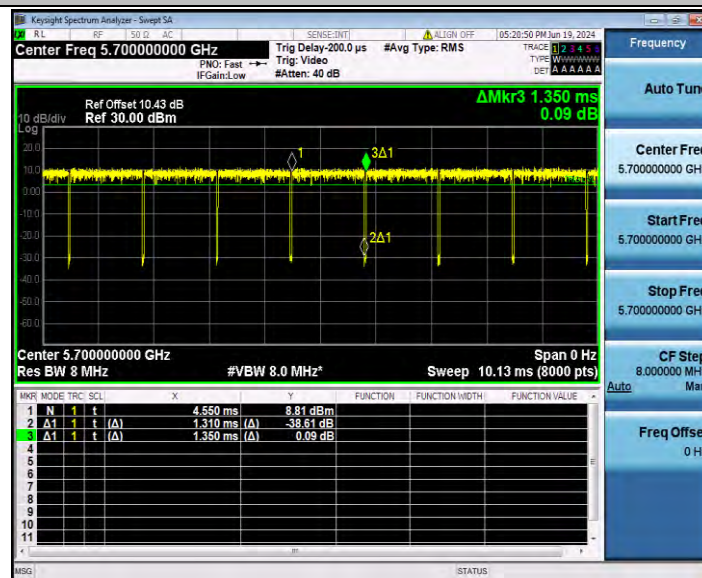
11N40SISO_Ant1_5590



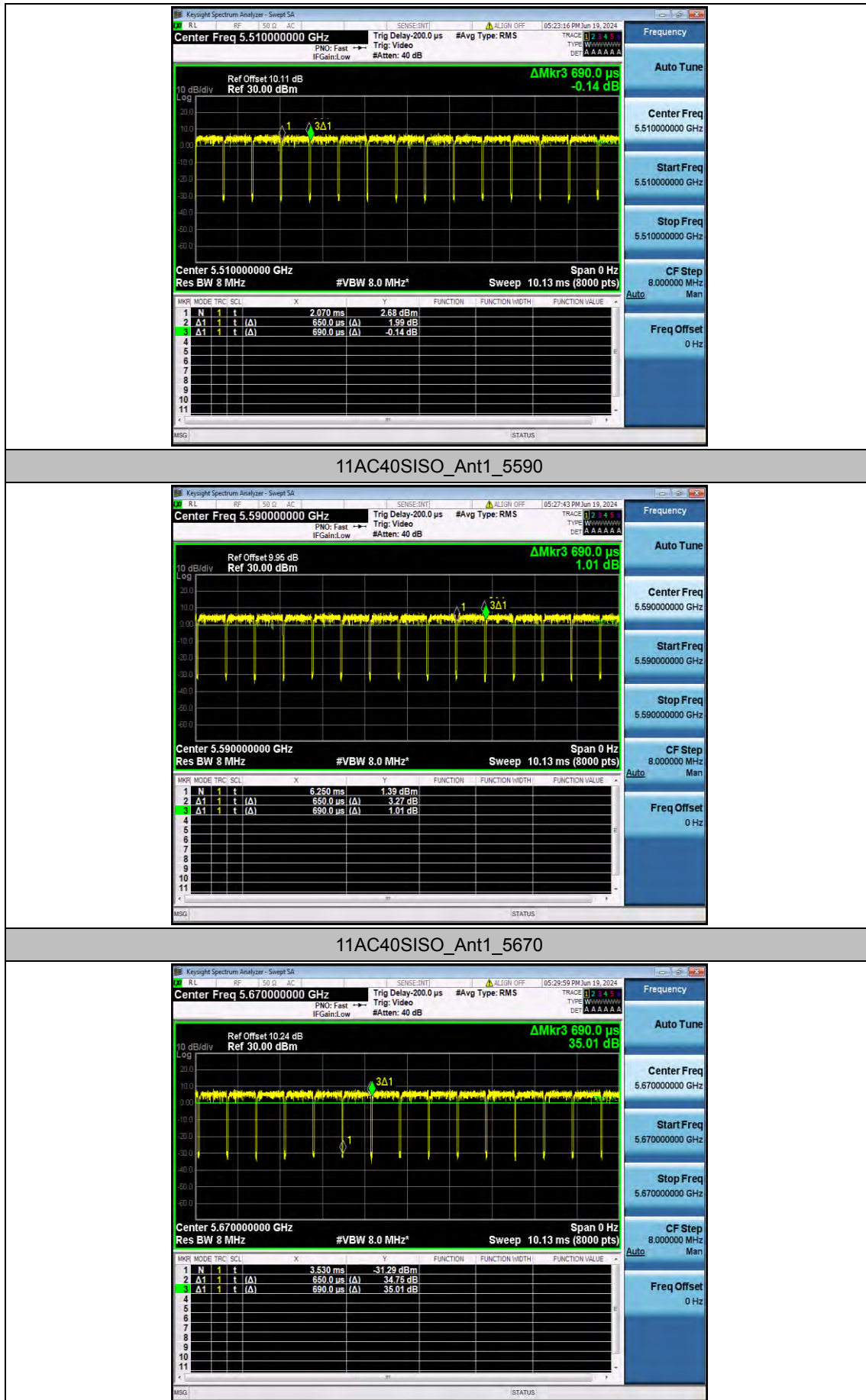
11AC20SISO_Ant1_5580



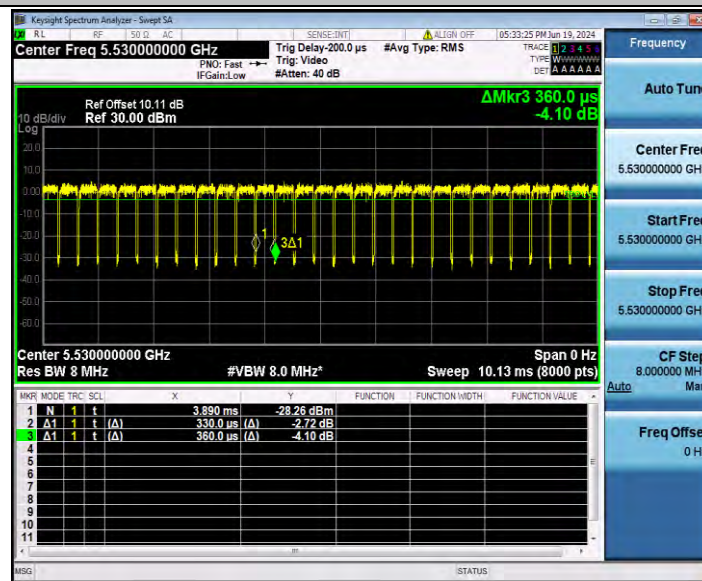
11AC20SISO_Ant1_5700



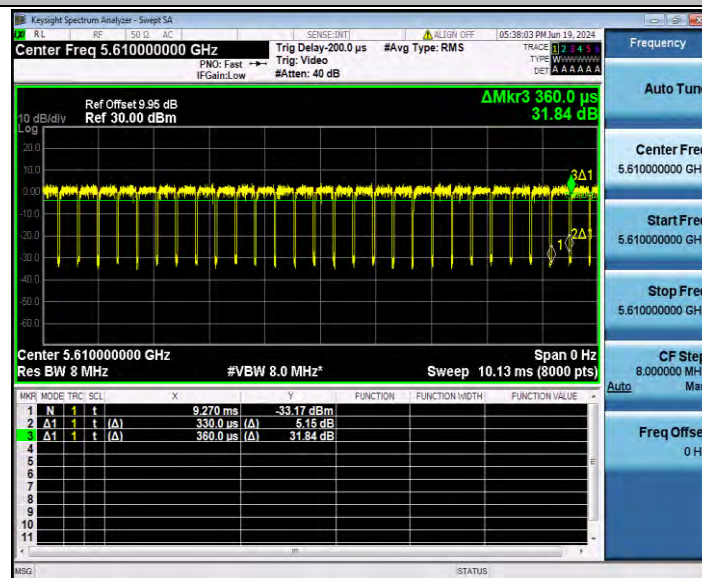
11AC40SISO_Ant1_5510



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



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	10.61	97.20	0.12	10.73	≤23.98	PASS
		5580	10.20	97.20	0.12	10.32	≤23.98	PASS
		5700	11.49	97.20	0.12	11.61	≤23.98	PASS
11N20SISO	Ant1	5500	10.30	97.01	0.13	10.43	≤23.98	PASS
		5580	10.17	97.01	0.13	10.30	≤23.98	PASS
		5700	11.37	97.01	0.13	11.50	≤23.98	PASS
11N40SISO	Ant1	5510	9.91	95.59	0.20	10.11	≤23.98	PASS
		5590	9.66	94.20	0.26	9.92	≤23.98	PASS
		5670	10.86	95.59	0.20	11.06	≤23.98	PASS
11AC20SISO	Ant1	5500	10.13	97.04	0.13	10.26	≤23.98	PASS
		5580	9.82	97.76	0.10	9.92	≤23.98	PASS
		5700	11.10	97.04	0.13	11.23	≤23.98	PASS
11AC40SISO	Ant1	5510	9.99	94.20	0.26	10.25	≤23.98	PASS
		5590	9.77	94.20	0.26	10.03	≤23.98	PASS
		5670	10.85	94.20	0.26	11.11	≤23.98	PASS
11AC80SISO	Ant1	5530	9.42	91.67	0.38	9.80	≤23.98	PASS
		5610	9.23	91.67	0.38	9.61	≤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	-0.09	≤11.00	PASS
		5580	-0.46	≤11.00	PASS
		5700	0.82	≤11.00	PASS
11N20SISO	Ant1	5500	-0.67	≤11.00	PASS
		5580	-0.67	≤11.00	PASS
		5700	0.51	≤11.00	PASS
11N40SISO	Ant1	5510	-3.40	≤11.00	PASS
		5590	-3.64	≤11.00	PASS
		5670	-2.46	≤11.00	PASS
11AC20SISO	Ant1	5500	-0.76	≤11.00	PASS
		5580	-1.02	≤11.00	PASS
		5700	0.41	≤11.00	PASS
11AC40SISO	Ant1	5510	-3.29	≤11.00	PASS
		5590	-3.52	≤11.00	PASS
		5670	-2.48	≤11.00	PASS
11AC80SISO	Ant1	5530	-6.21	≤11.00	PASS
		5610	-6.62	≤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_5700



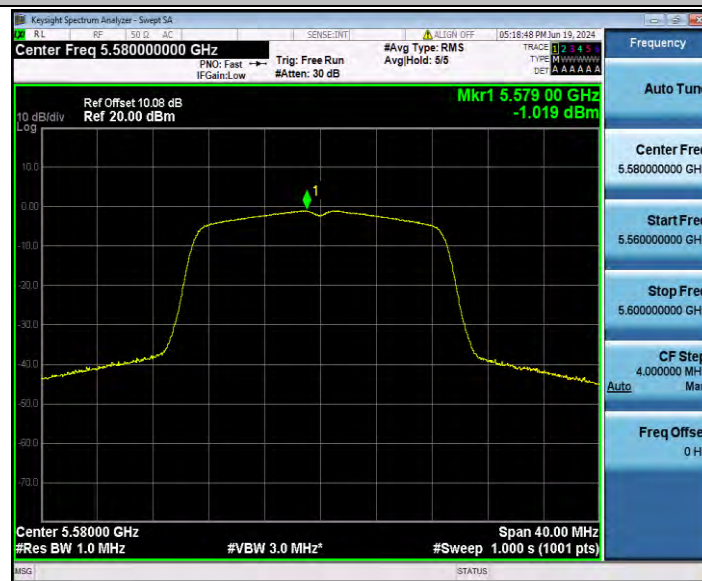
11N40SISO_Ant1_5510



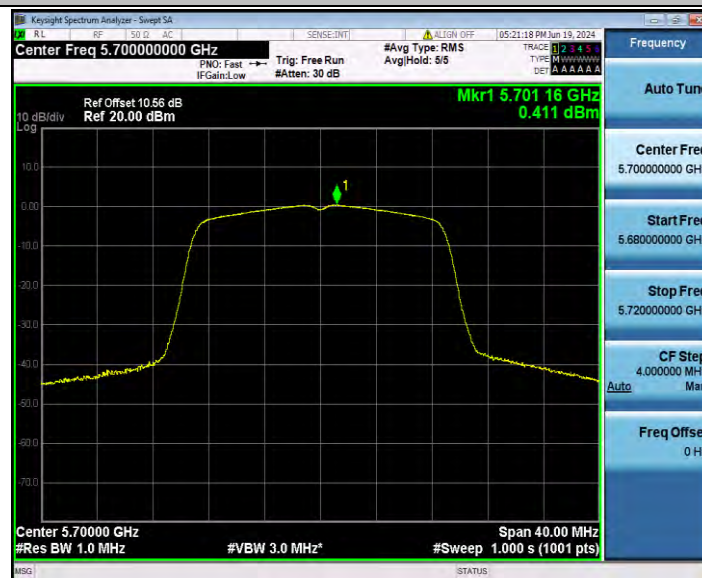
11N40SISO_Ant1_5590



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610

