

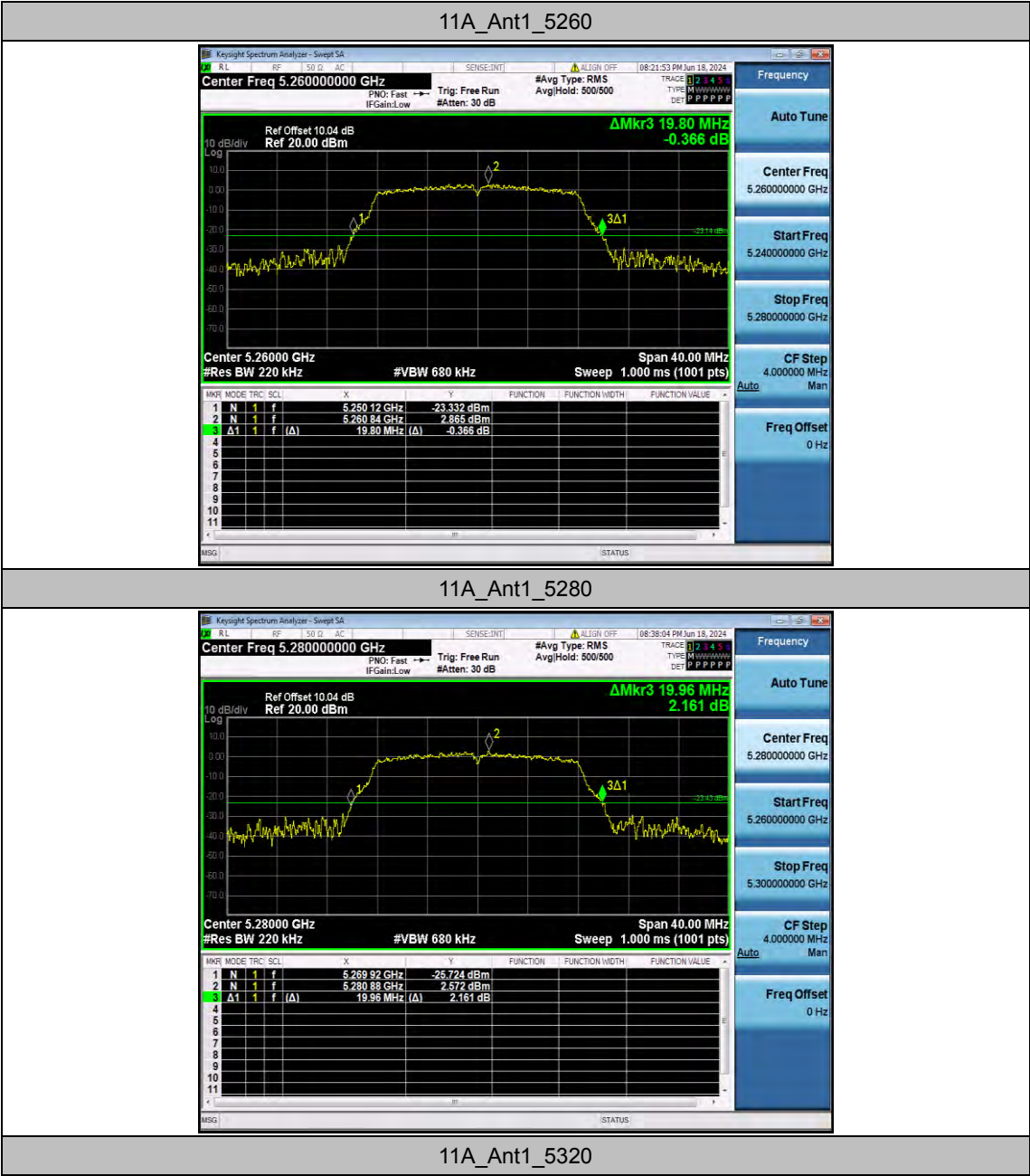
Case No. : <u>CTA24070301804</u>	
Ambient Condition: <u>23</u> °C, <u>54</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2024.6.9-2024.7.10</u>	Test Engineer: <u>Lushan Kong</u>

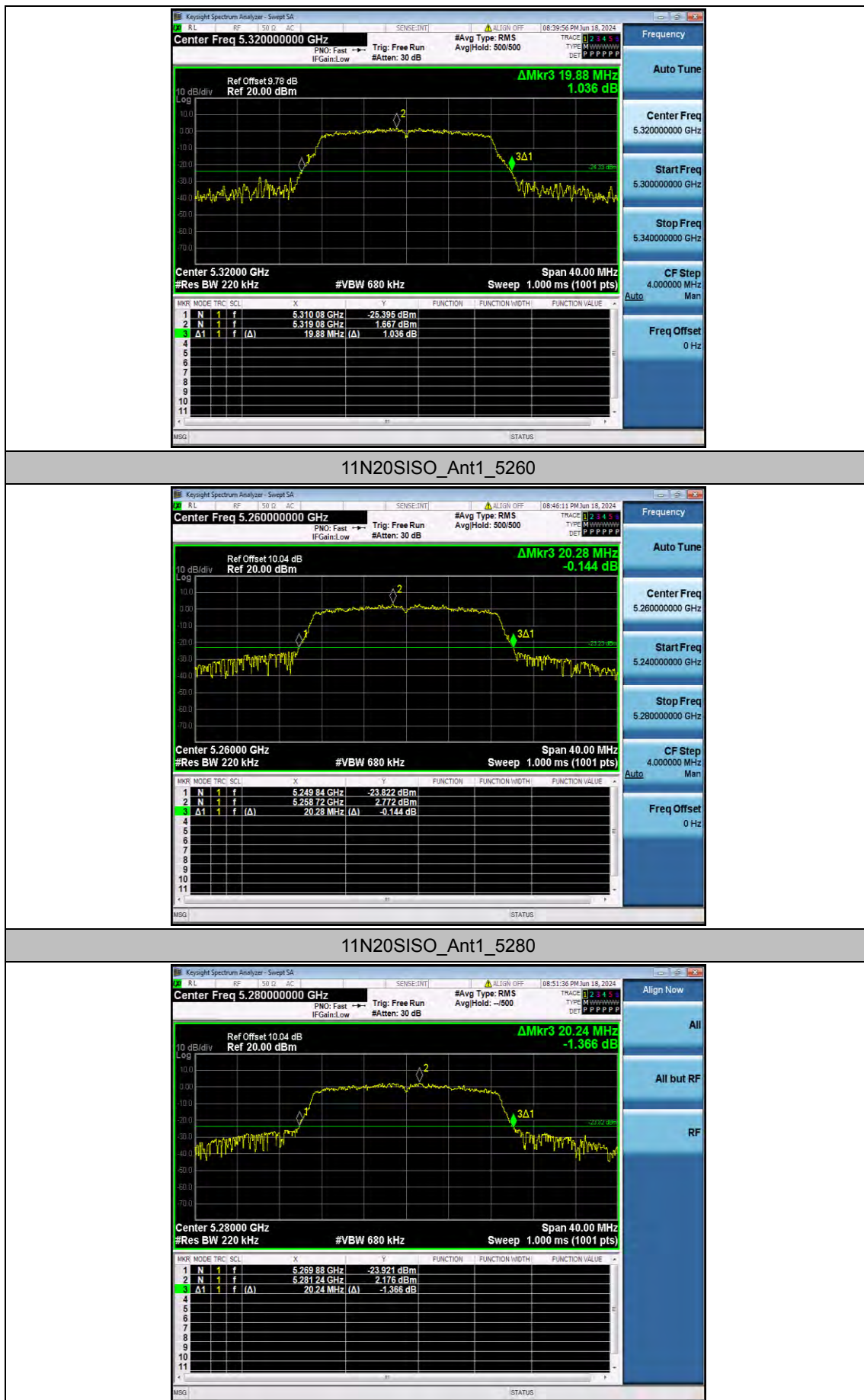
Appendix E.1: Emission Bandwidth

Test Result

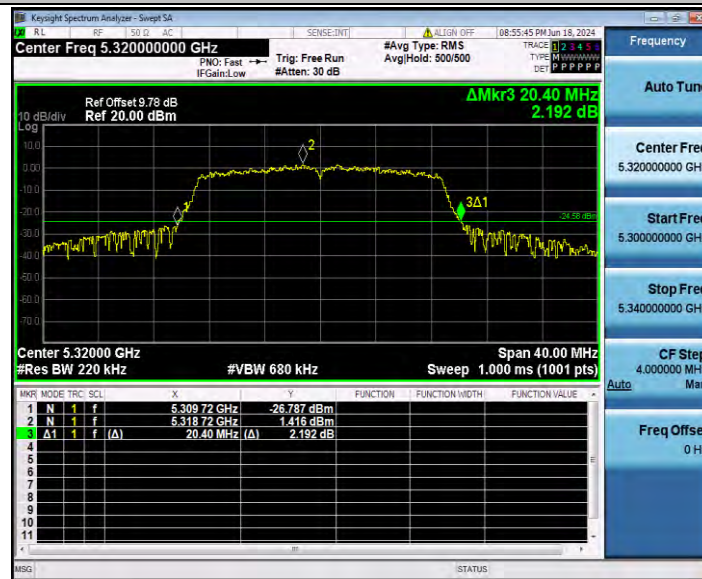
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	19.800	5250.120	5269.920	---	---
		5280	19.960	5269.920	5289.880	---	---
		5320	19.880	5310.080	5329.960	---	---
11N20SISO	Ant1	5260	20.280	5249.840	5270.120	---	---
		5280	20.240	5269.880	5290.120	---	---
		5320	20.400	5309.720	5330.120	---	---
11N40SISO	Ant1	5270	40.480	5249.680	5290.160	---	---
		5310	40.720	5289.600	5330.320	---	---
11AC20SISO	Ant1	5260	20.200	5249.880	5270.080	---	---
		5280	20.200	5269.840	5290.040	---	---
		5320	20.200	5309.920	5330.120	---	---
11AC40SISO	Ant1	5270	40.720	5249.600	5290.320	---	---
		5310	40.240	5289.840	5330.080	---	---
11AC80SISO	Ant1	5290	81.120	5249.360	5330.480	---	---

Test Graphs

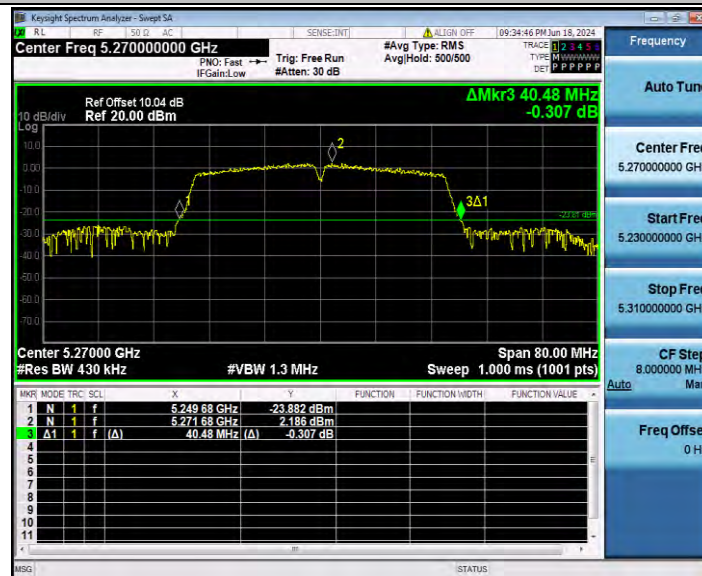




11N20SISO_Ant1_5320



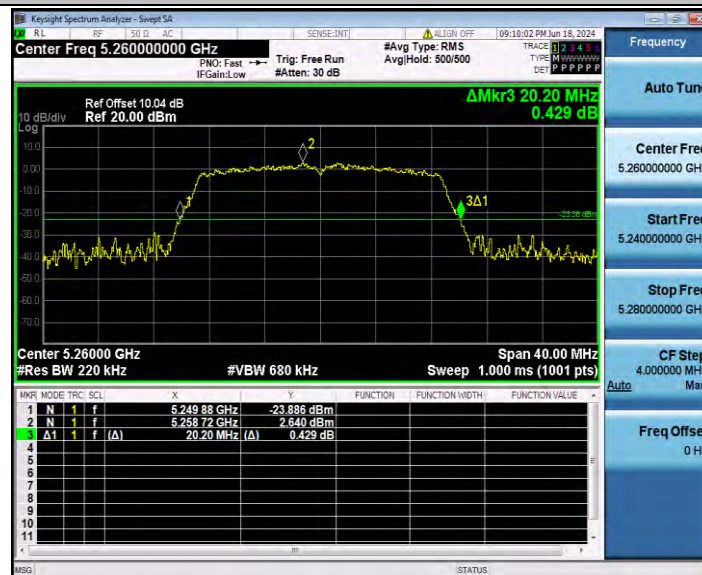
11N40SISO_Ant1_5270



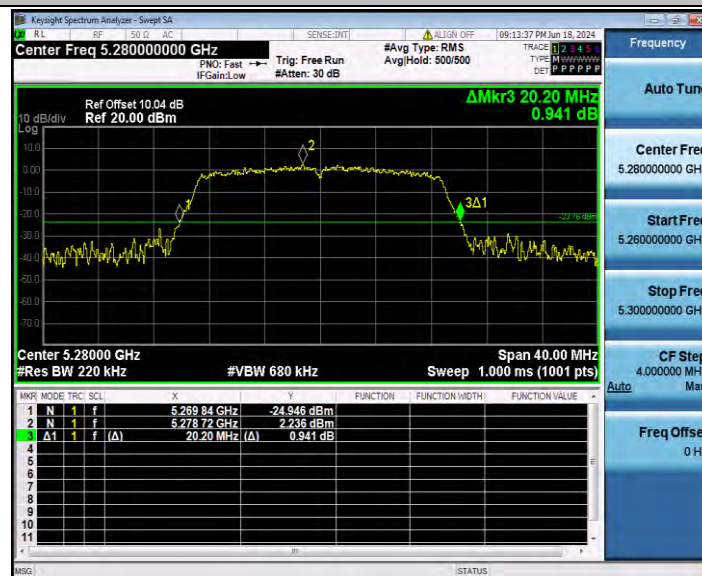
11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



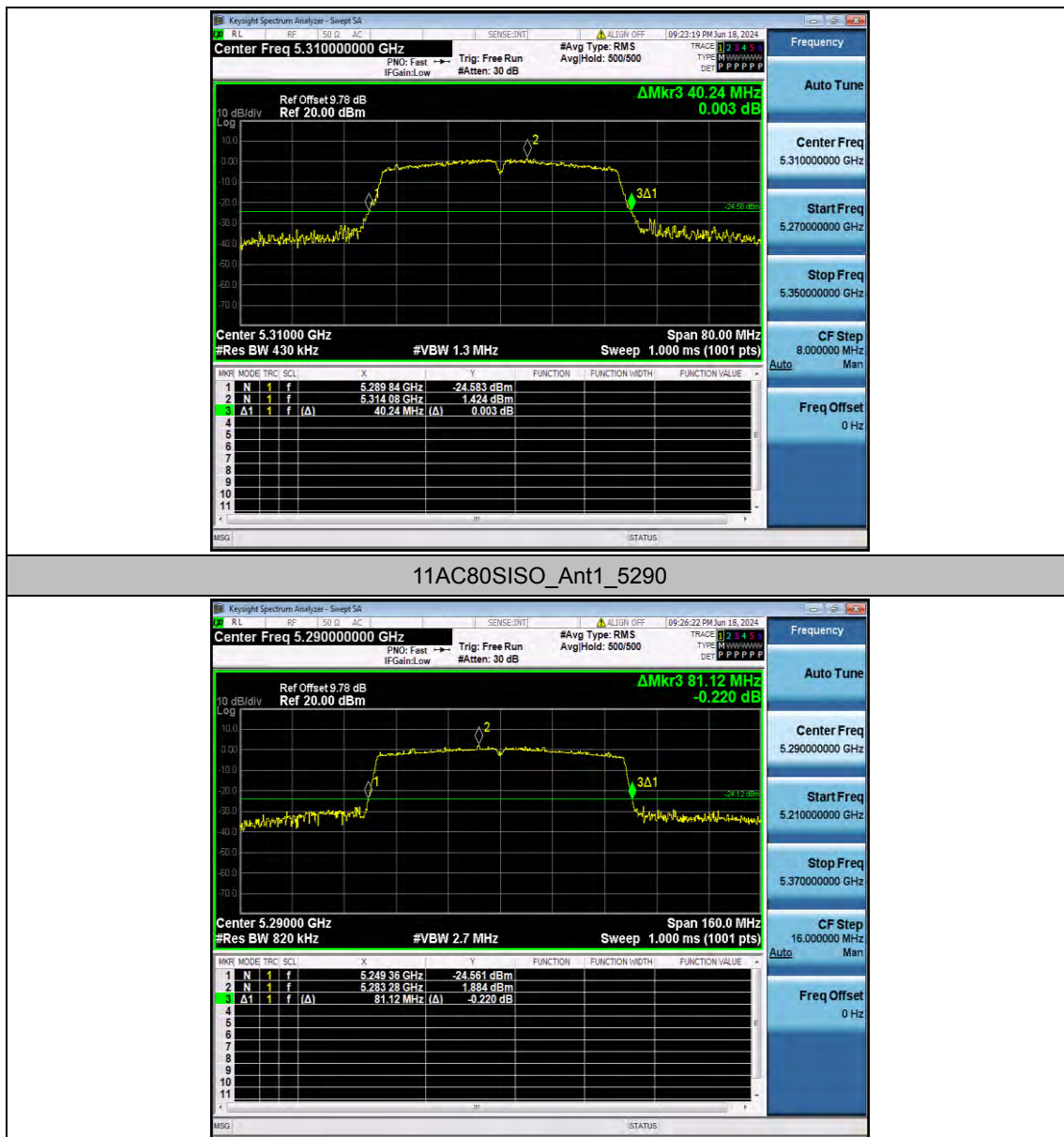
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310

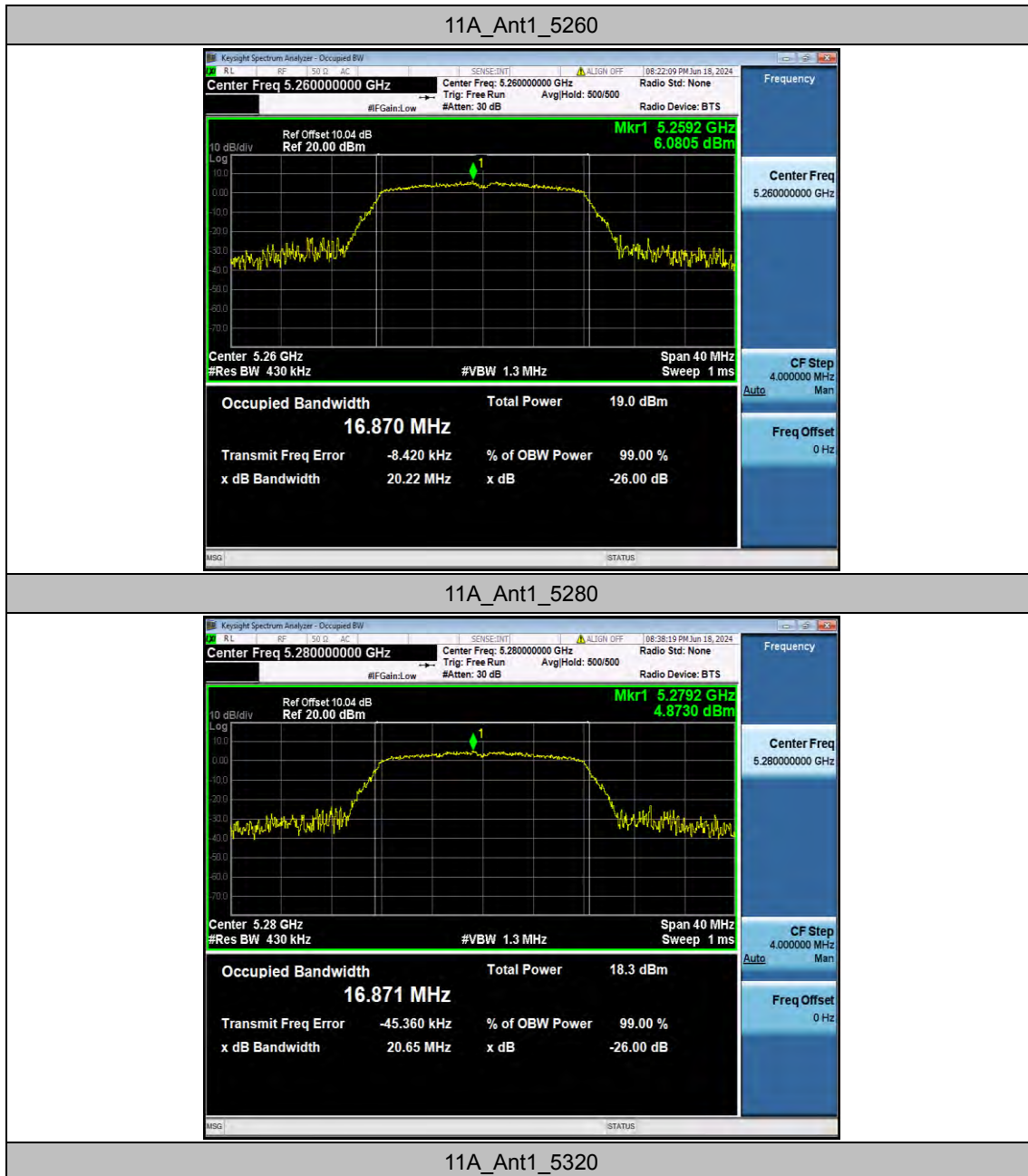


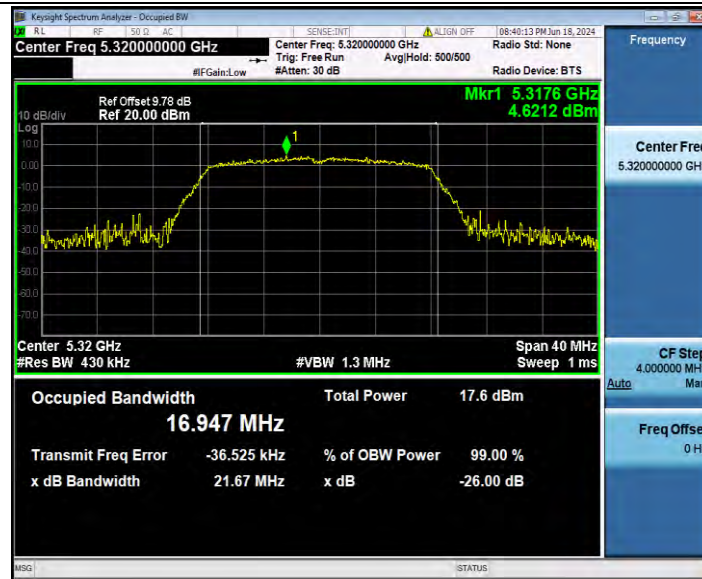
Appendix E.2: Occupied channel bandwidth

Test Result

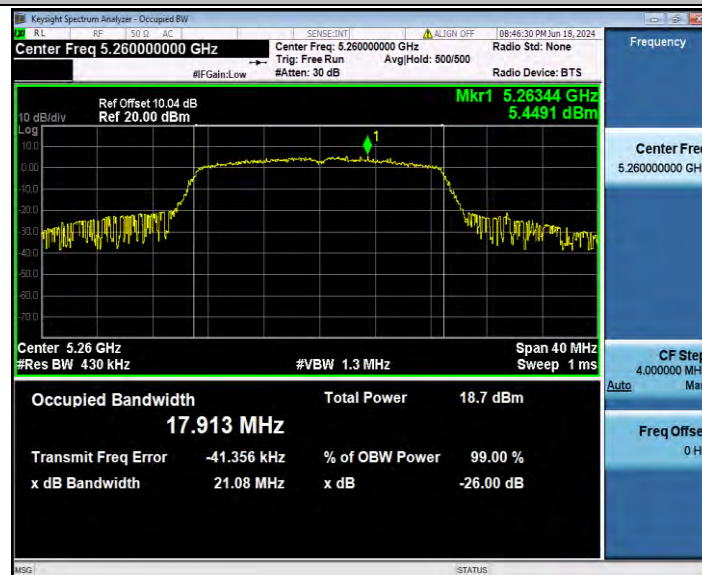
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	16.870	5251.5566	5268.4266	---	---
		5280	16.871	5271.5191	5288.3901	---	---
		5320	16.947	5311.4900	5328.4370	---	---
11N20SISO	Ant1	5260	17.913	5251.0021	5268.9151	---	---
		5280	17.939	5270.9816	5288.9206	---	---
		5320	17.934	5311.0037	5328.9377	---	---
11N40SISO	Ant1	5270	36.450	5251.7334	5288.1834	---	---
		5310	36.439	5291.7986	5328.2376	---	---
11AC20SISO	Ant1	5260	17.812	5251.0583	5268.8703	---	---
		5280	17.848	5271.0483	5288.8963	---	---
		5320	17.842	5311.0736	5328.9156	---	---
11AC40SISO	Ant1	5270	36.287	5251.8151	5288.1021	---	---
		5310	36.281	5291.8478	5328.1288	---	---
11AC80SISO	Ant1	5290	75.382	5252.2588	5327.6408	---	---

Test Graphs

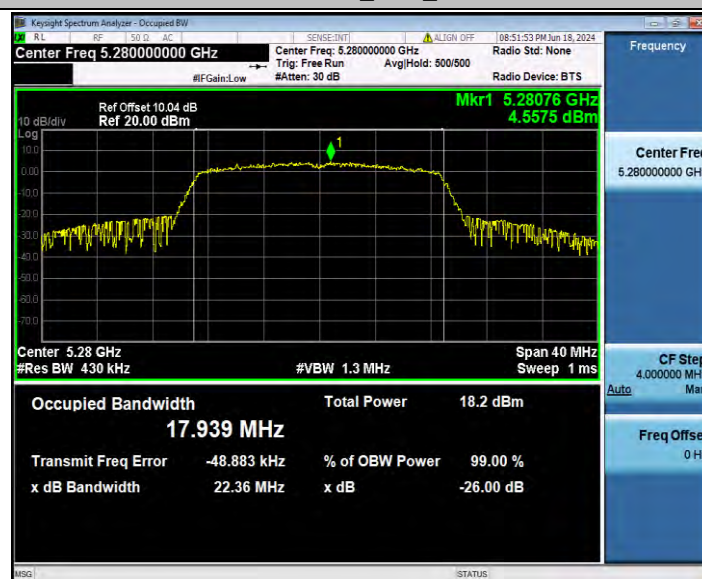




11N20SISO_Ant1_5260



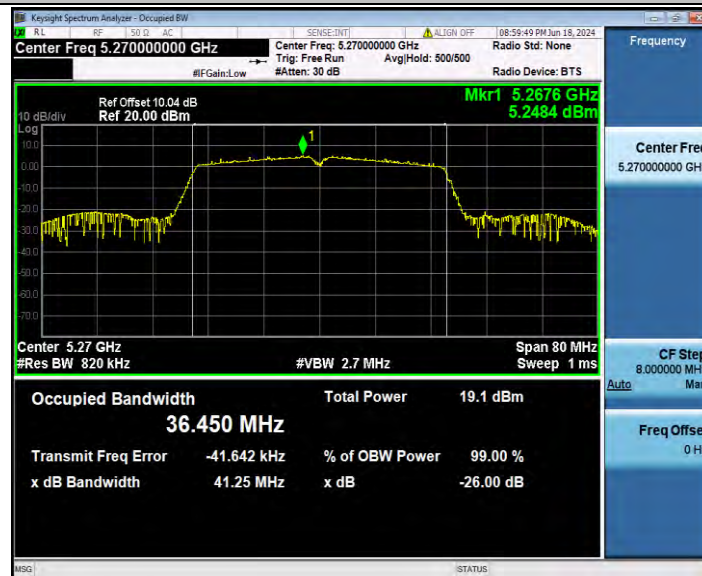
11N20SISO_Ant1_5280



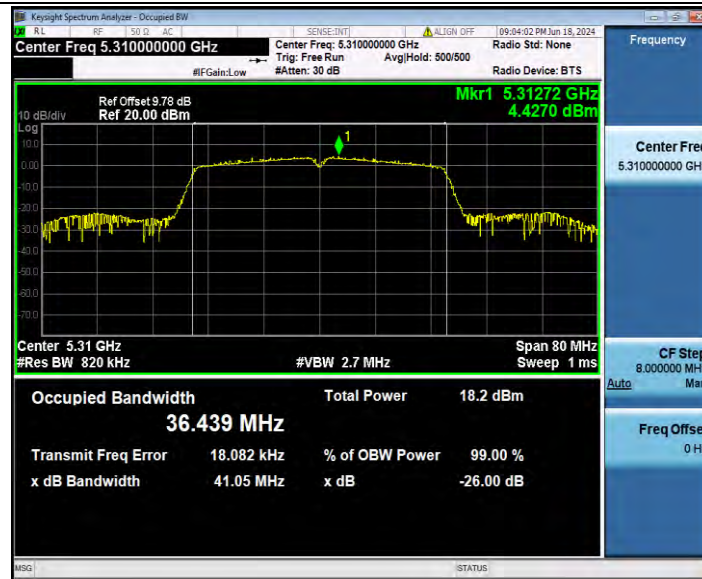
11N20SISO_Ant1_5320



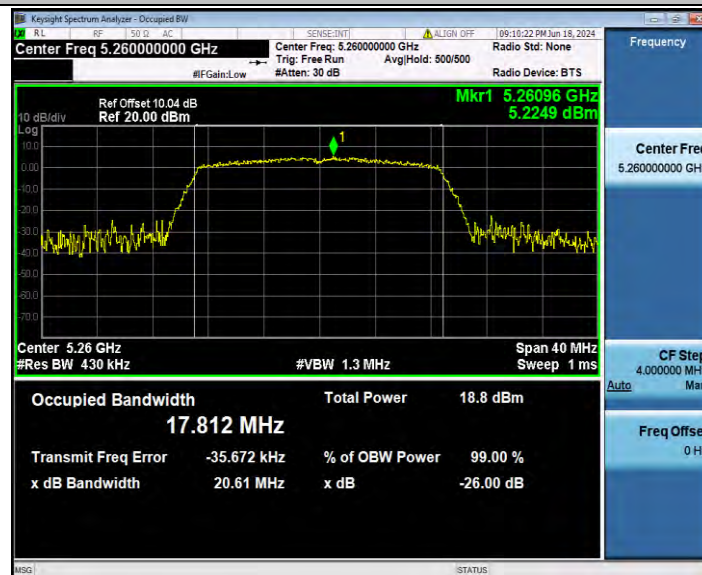
11N40SISO_Ant1_5270



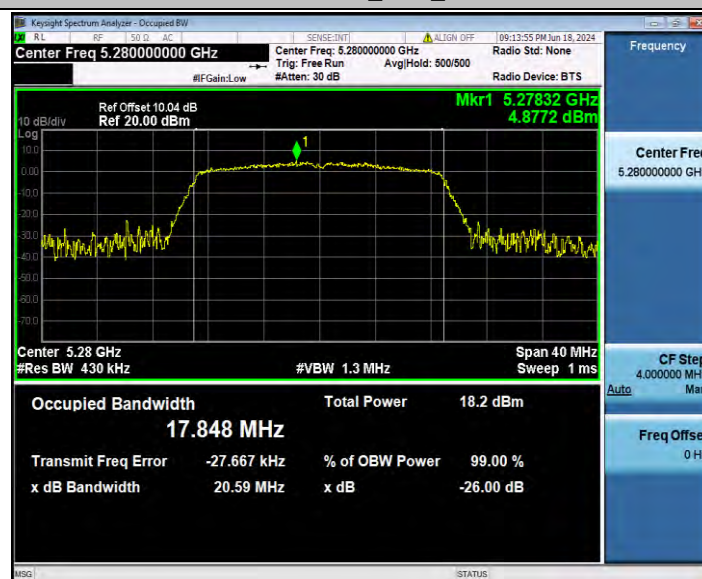
11N40SISO_Ant1_5310



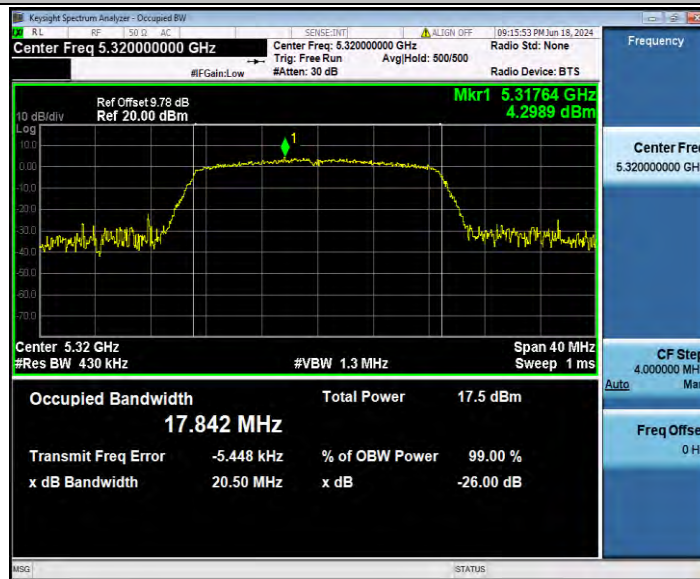
11AC20SISO_Ant1_5260



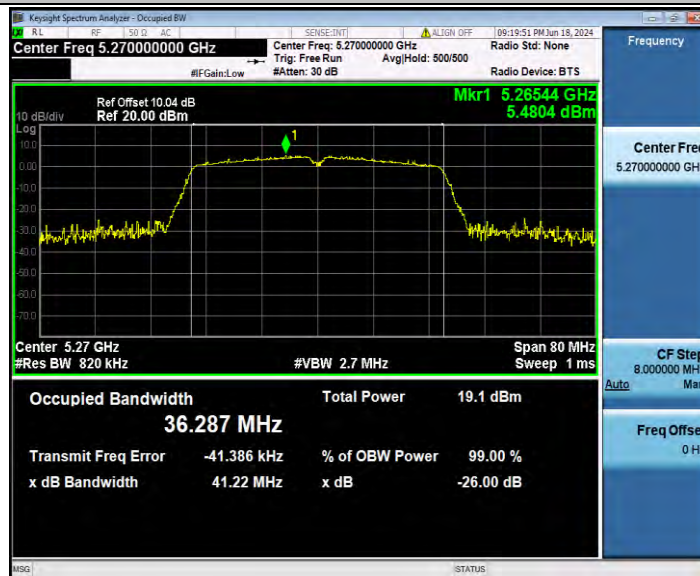
11AC20SISO_Ant1_5280



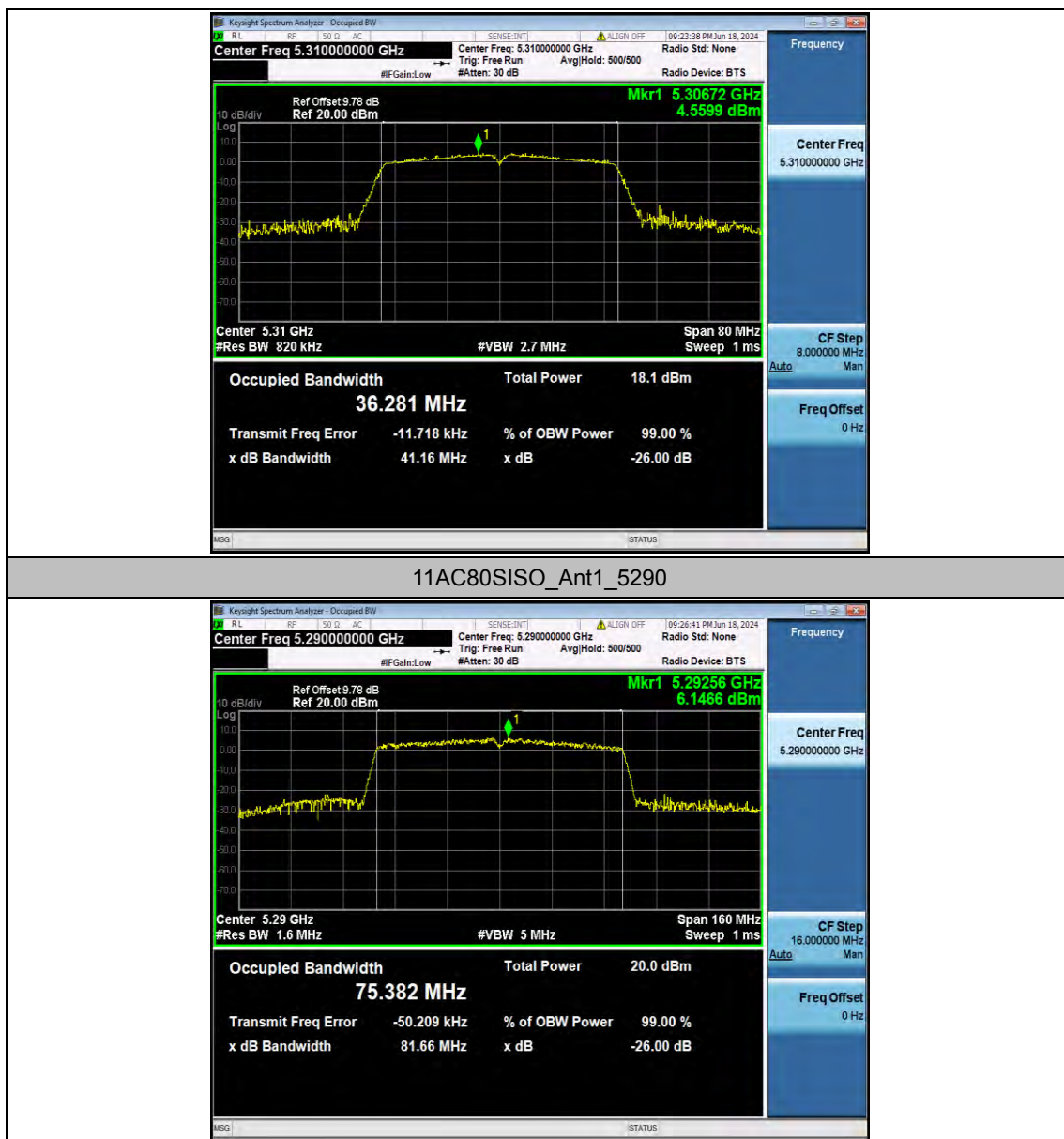
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310

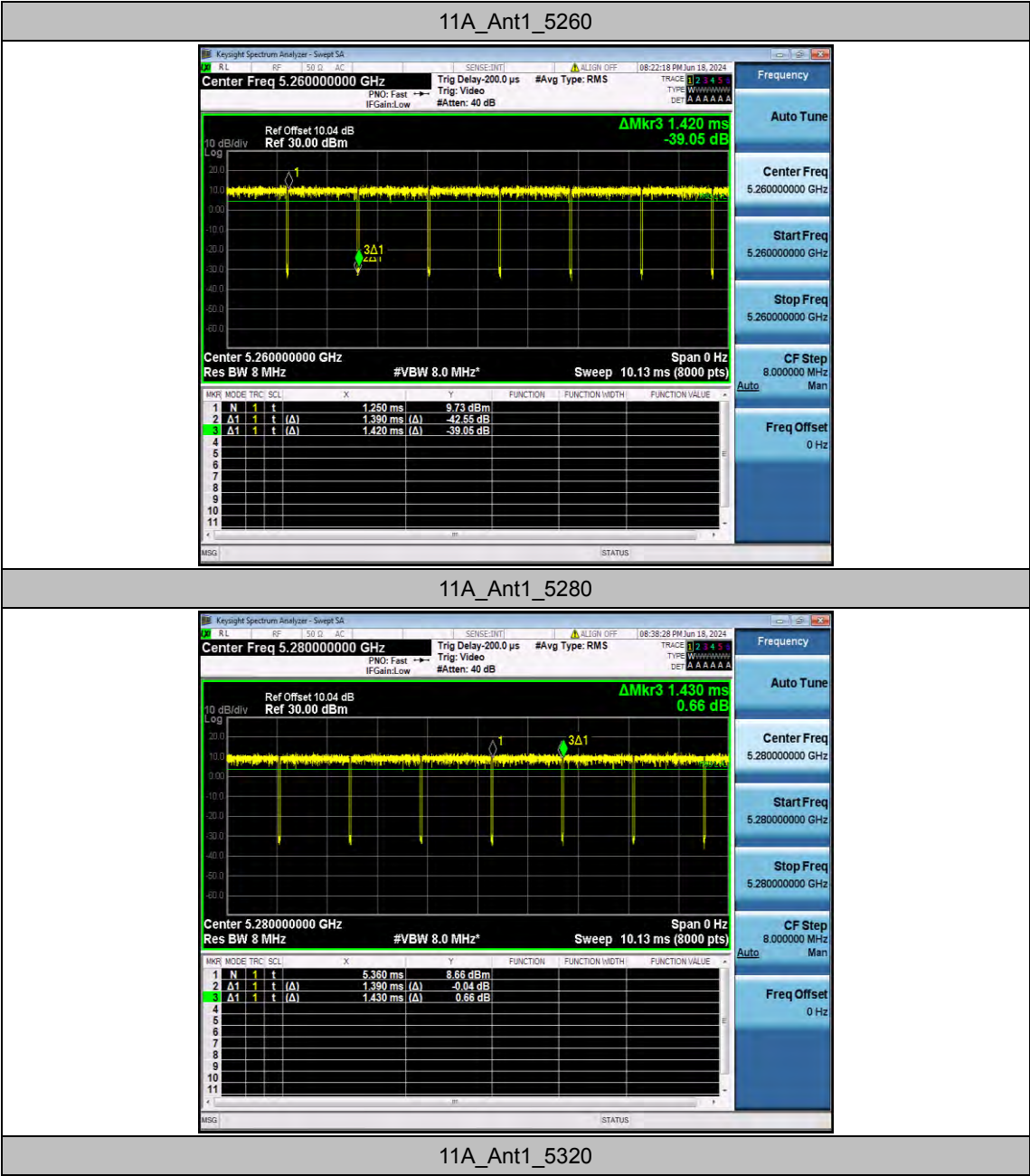


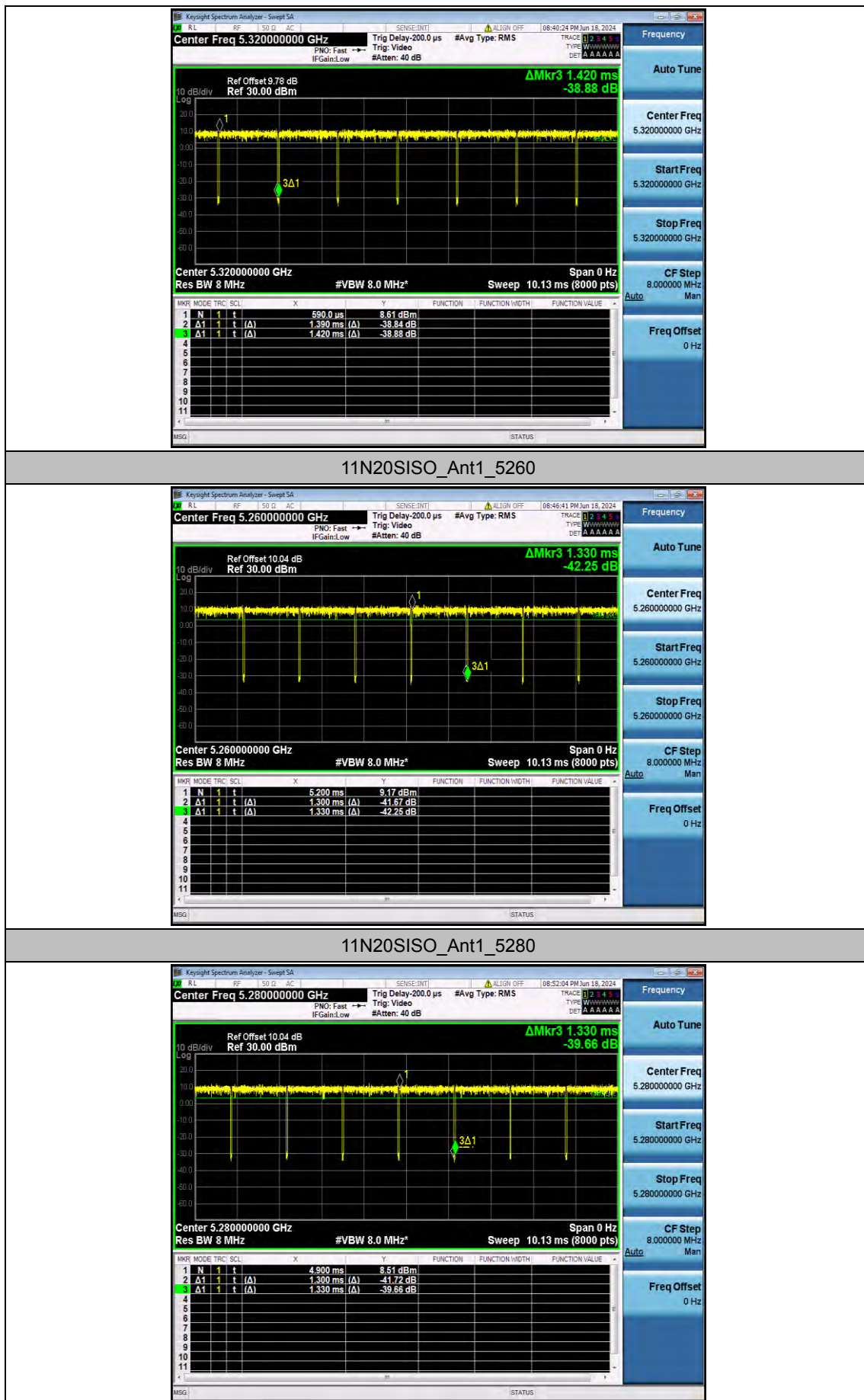
Appendix E.3: Duty Cycle

Test Result

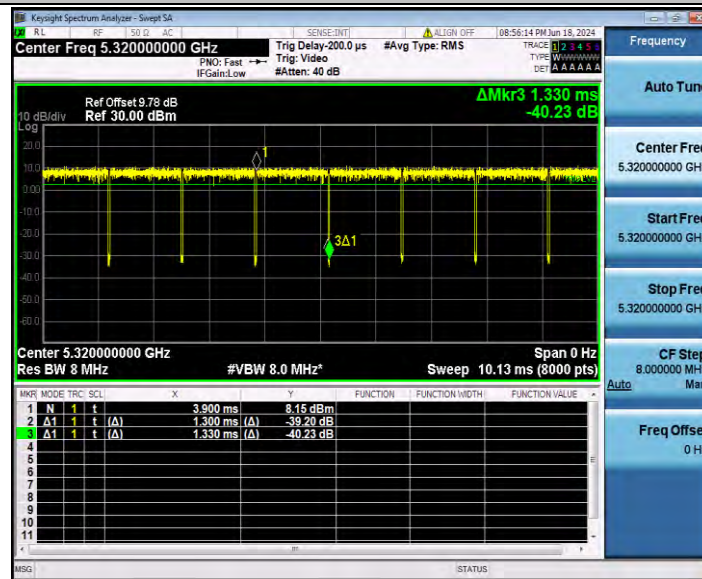
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5260	1.39	1.42	97.89	0.09	0.72
		5280	1.39	1.43	97.20	0.12	0.72
		5320	1.39	1.42	97.89	0.09	0.72
11N20SISO	Ant1	5260	1.30	1.33	97.74	0.10	0.77
		5280	1.30	1.33	97.74	0.10	0.77
		5320	1.30	1.33	97.74	0.10	0.77
11N40SISO	Ant1	5270	0.64	0.68	94.12	0.26	1.56
		5310	0.65	0.68	95.59	0.20	1.54
11AC20SISO	Ant1	5260	1.31	1.35	97.04	0.13	0.76
		5280	1.31	1.35	97.04	0.13	0.76
		5320	1.31	1.35	97.04	0.13	0.76
11AC40SISO	Ant1	5270	0.65	0.69	94.20	0.26	1.54
		5310	0.65	0.69	94.20	0.26	1.54
11AC80SISO	Ant1	5290	0.33	0.36	91.67	0.38	3.03

Test Graphs

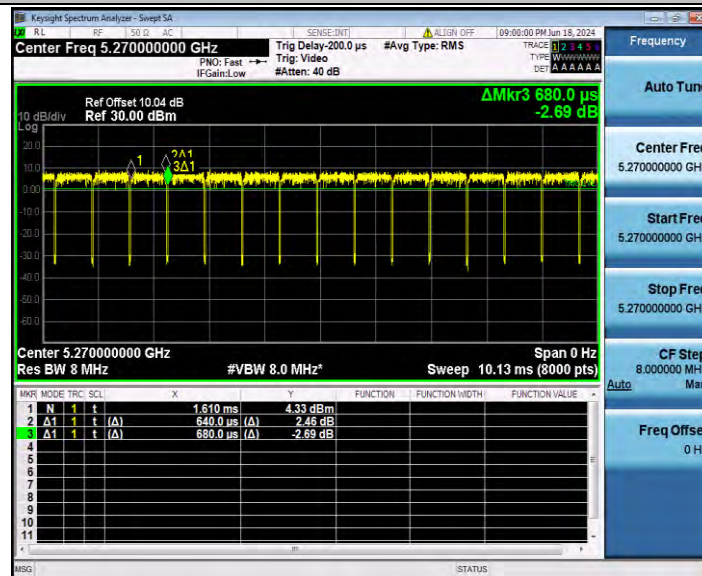




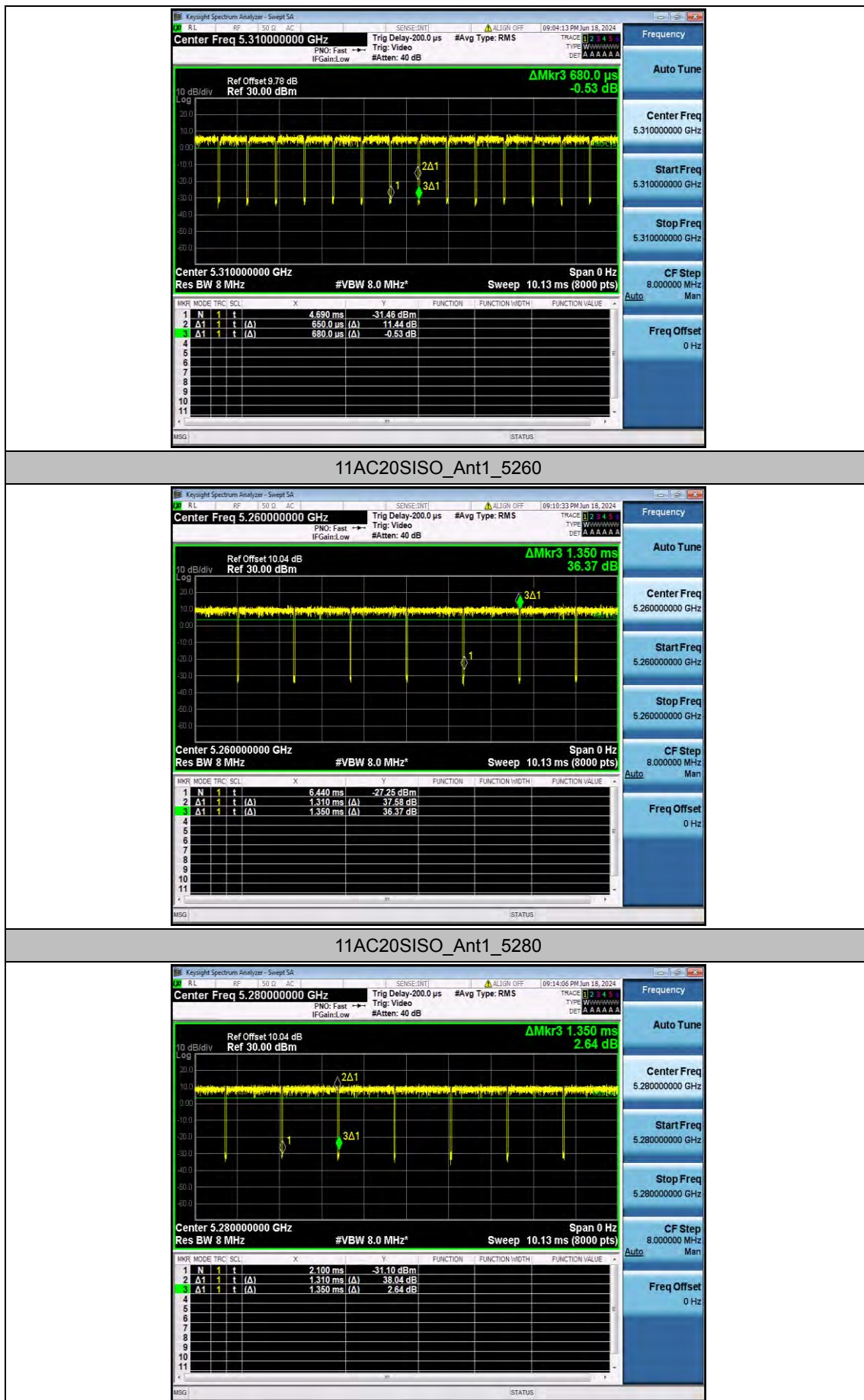
11N20SISO_Ant1_5320



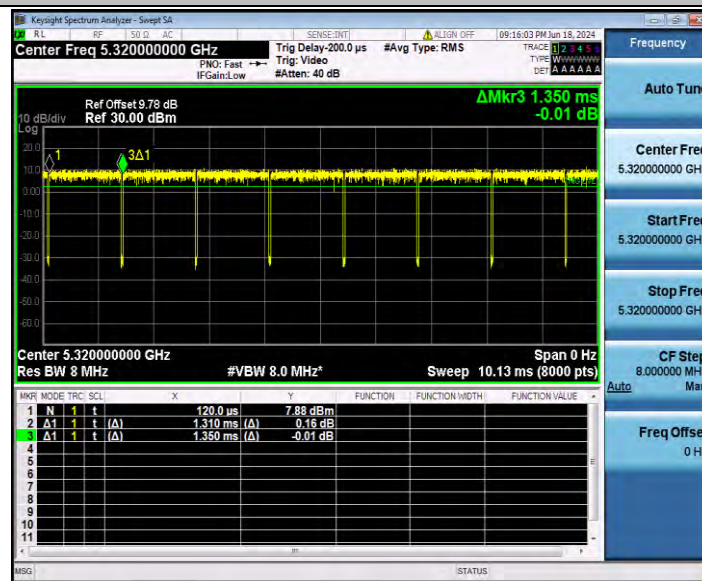
11N40SISO_Ant1_5270



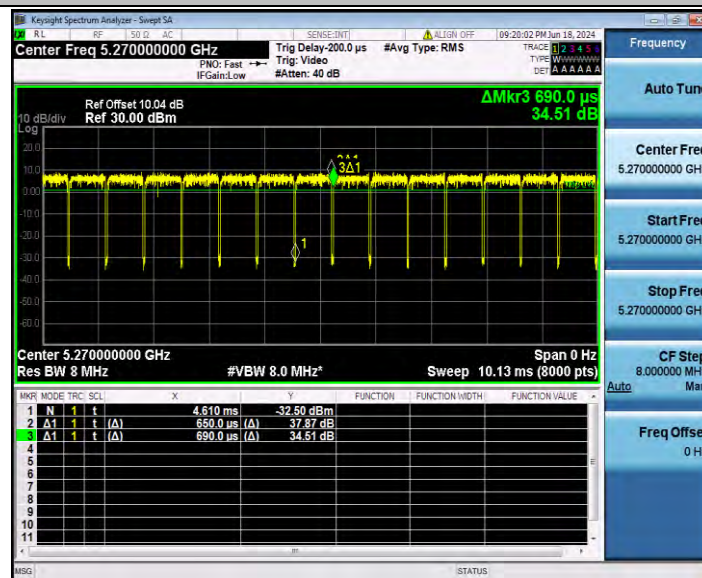
11N40SISO_Ant1_5310



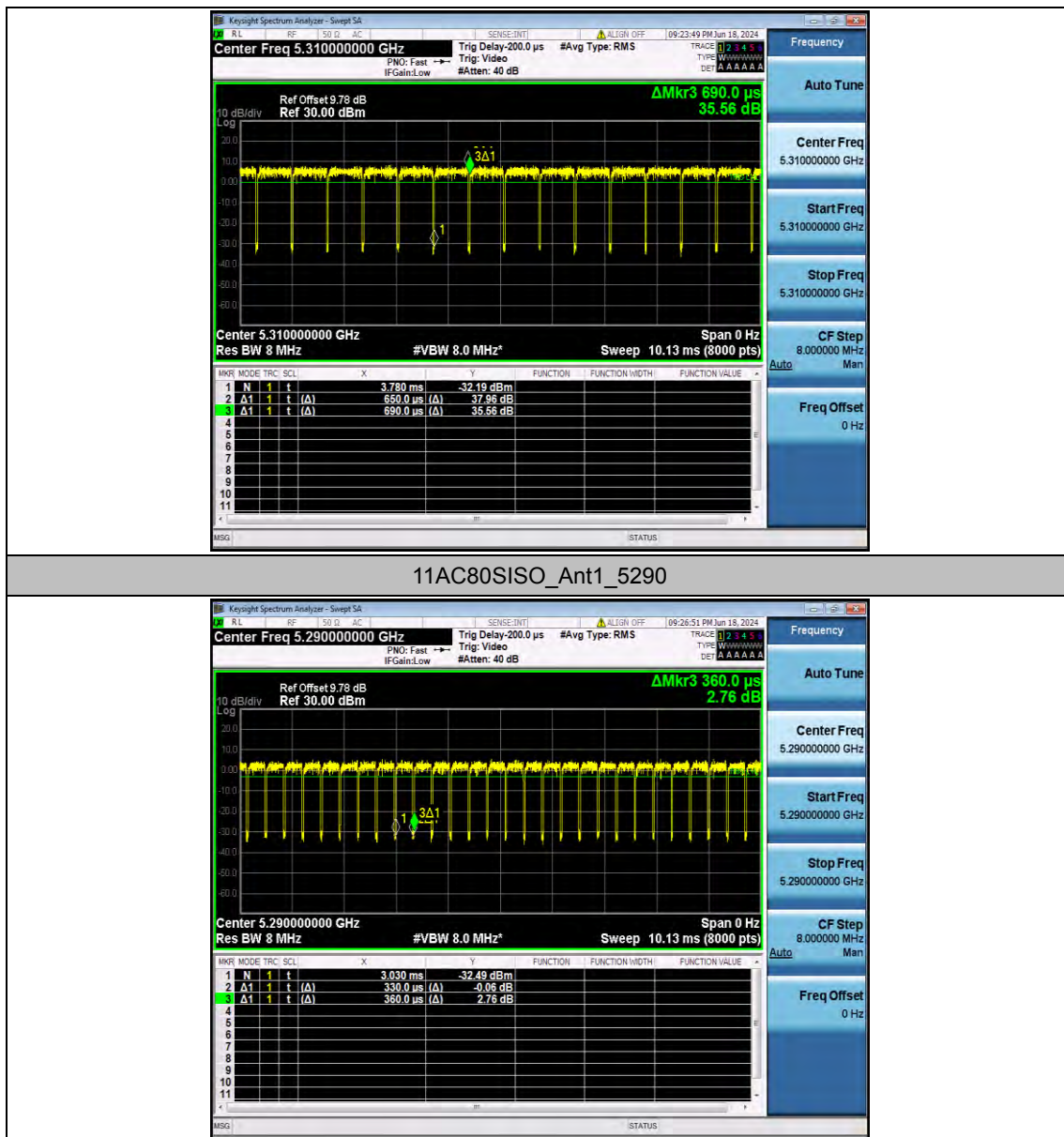
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



Appendix E.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	5260	12.18	97.89	0.09	12.27	≤23.97	PASS
		5280	11.50	97.20	0.12	11.62	≤23.98	PASS
		5320	10.73	97.89	0.09	10.82	≤23.98	PASS
11N20SISO	Ant1	5260	11.82	97.74	0.10	11.92	≤23.98	PASS
		5280	11.37	97.74	0.10	11.47	≤23.98	PASS
		5320	10.61	97.74	0.10	10.71	≤23.98	PASS
11N40SISO	Ant1	5270	11.38	94.12	0.26	11.64	≤23.98	PASS
		5310	10.63	95.59	0.20	10.83	≤23.98	PASS
11AC20SISO	Ant1	5260	11.87	97.04	0.13	12.00	≤23.98	PASS
		5280	11.36	97.04	0.13	11.49	≤23.98	PASS
		5320	10.68	97.04	0.13	10.81	≤23.98	PASS
11AC40SISO	Ant1	5270	11.52	94.20	0.26	11.78	≤23.98	PASS
		5310	10.54	94.20	0.26	10.80	≤23.98	PASS
11AC80SISO	Ant1	5290	10.64	91.67	0.38	11.02	≤23.98	PASS

Appendix E.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5260	1.79	≤11.00	PASS
		5280	1.18	≤11.00	PASS
		5320	0.49	≤11.00	PASS
11N20SISO	Ant1	5260	1.35	≤11.00	PASS
		5280	0.72	≤11.00	PASS
		5320	-0.03	≤11.00	PASS
11N40SISO	Ant1	5270	-1.79	≤11.00	PASS
		5310	-2.69	≤11.00	PASS
11AC20SISO	Ant1	5260	1.25	≤11.00	PASS
		5280	0.72	≤11.00	PASS
		5320	0.00	≤11.00	PASS
11AC40SISO	Ant1	5270	-1.72	≤11.00	PASS
		5310	-2.72	≤11.00	PASS
11AC80SISO	Ant1	5290	-5.91	≤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_5260



11A_Ant1_5280



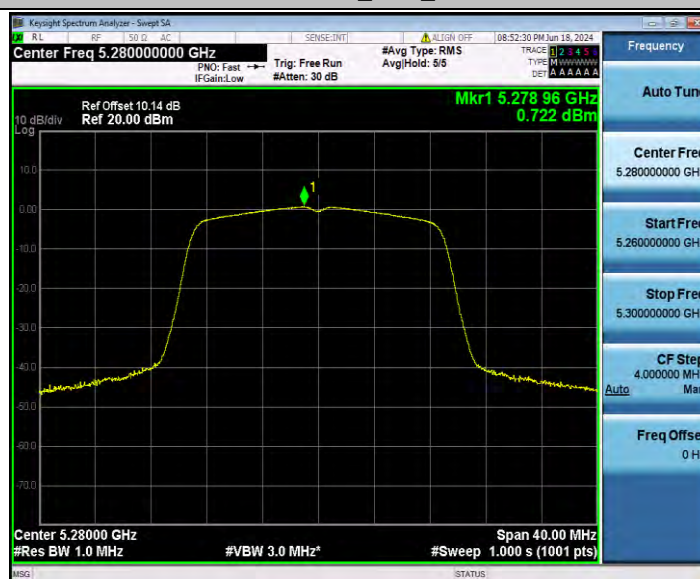
11A_Ant1_5320



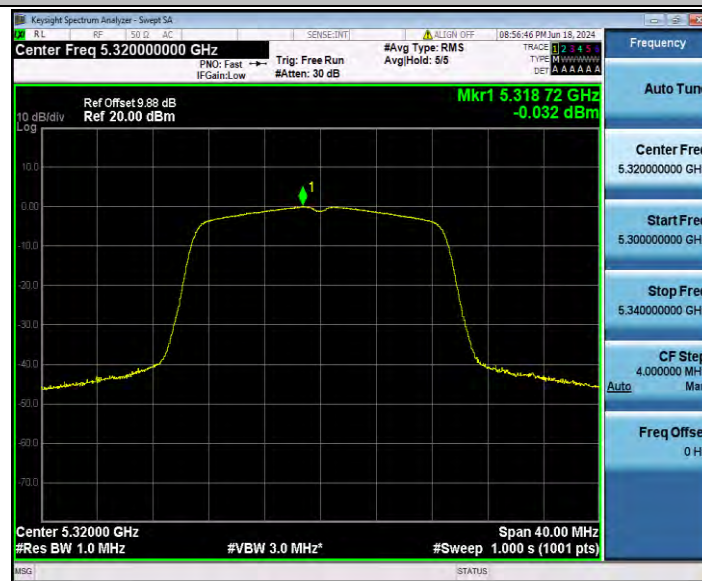
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



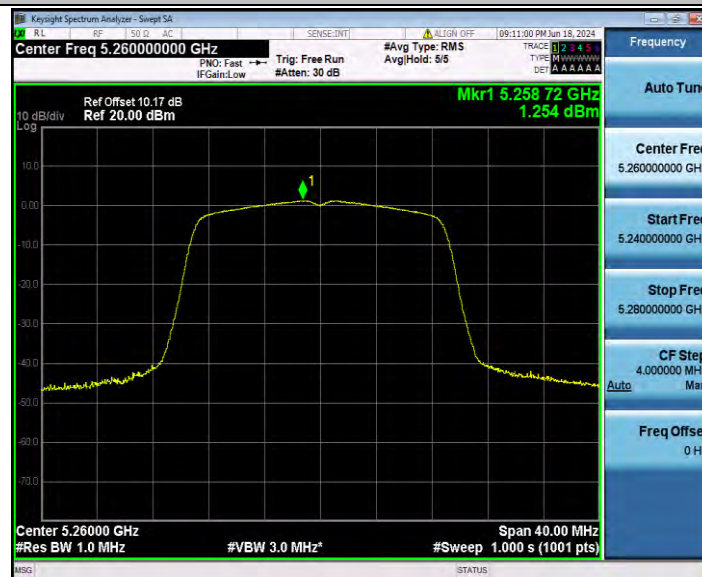
11N40SISO_Ant1_5270



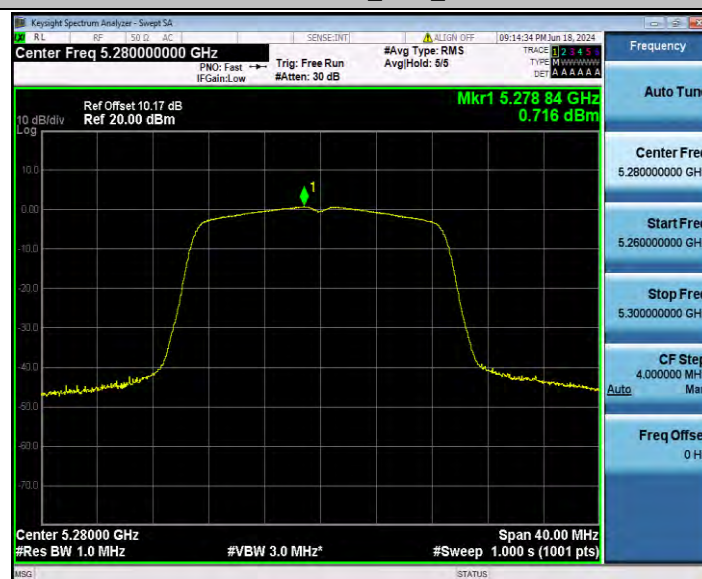
11N40SISO_Ant1_5310



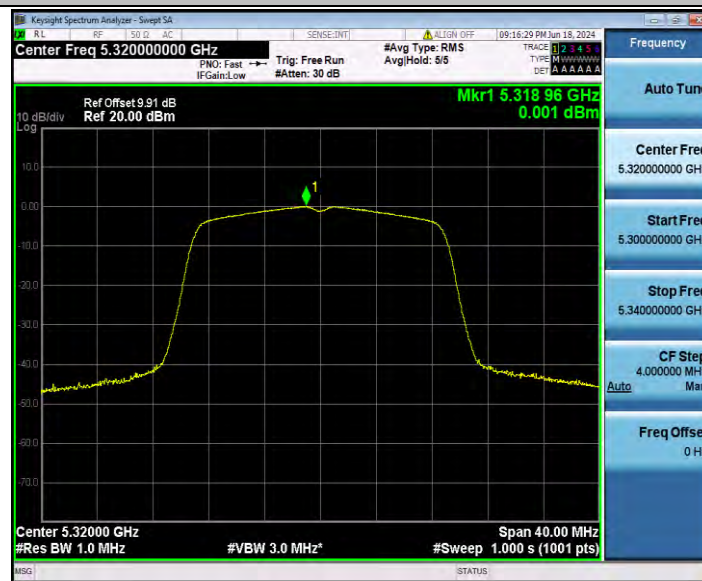
11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



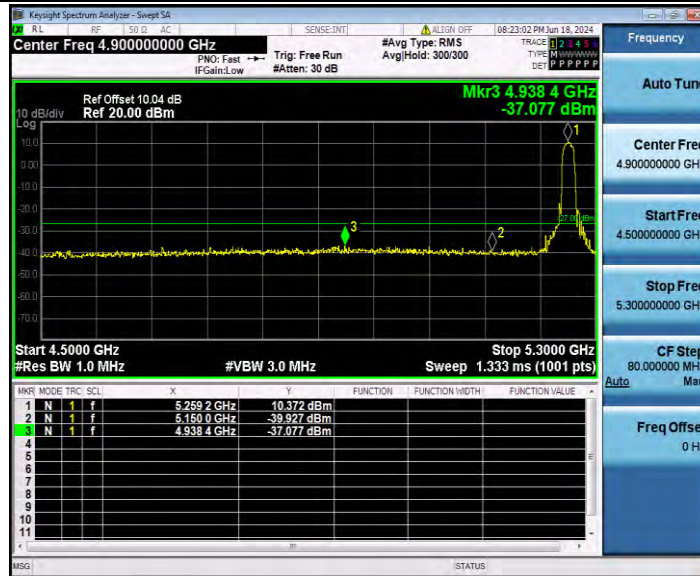
Appendix E.6: Band edge measurements

Test Result B1

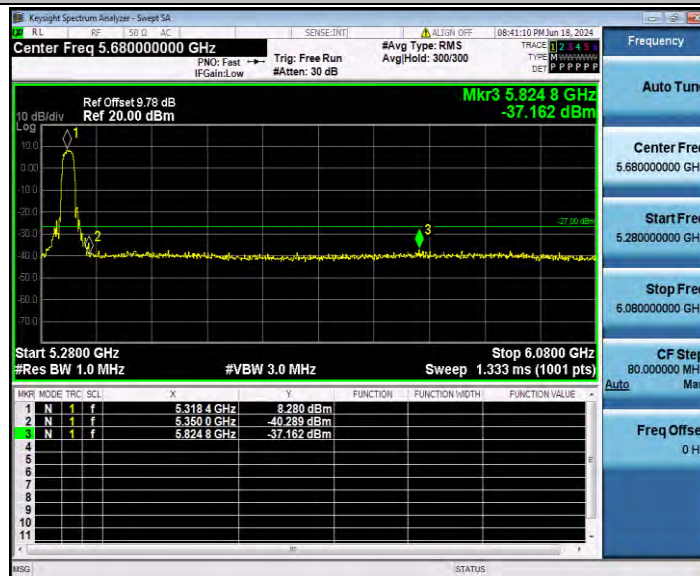
TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5260	-37.08	≤ -27	PASS
		High	5320	-37.16	≤ -27	PASS
11N20SISO	Ant1	Low	5260	-37.15	≤ -27	PASS
		High	5320	-34.39	≤ -27	PASS
11N40SISO	Ant1	Low	5270	-36.61	≤ -27	PASS
		High	5310	-30.11	≤ -27	PASS
11AC20SISO	Ant1	Low	5260	-37.15	≤ -27	PASS
		High	5320	-37.48	≤ -27	PASS
11AC40SISO	Ant1	Low	5270	-35.93	≤ -27	PASS
		High	5310	-32.85	≤ -27	PASS
11AC80SISO	Ant1	Low	5290	-37.69	≤ -27	PASS
		High	5290	-34.58	≤ -27	PASS

Test Graphs B1

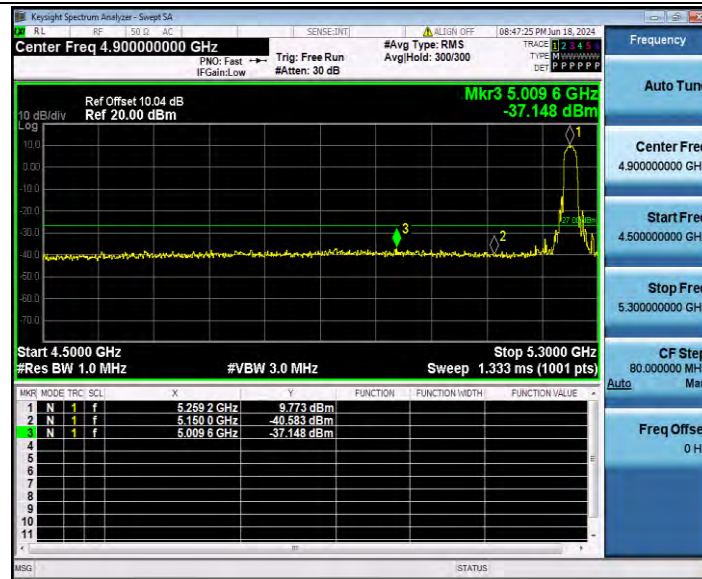
11A_Ant1_Low_5260



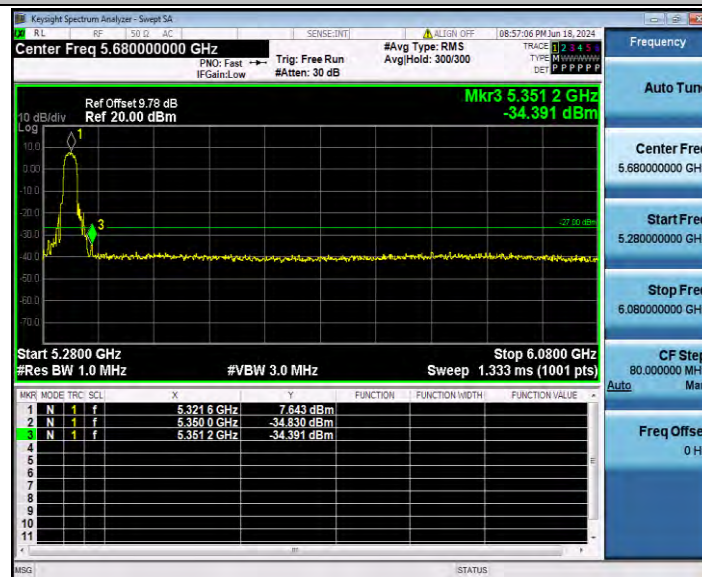
11A_Ant1_High_5320



11N20SISO_Ant1_Low_5260



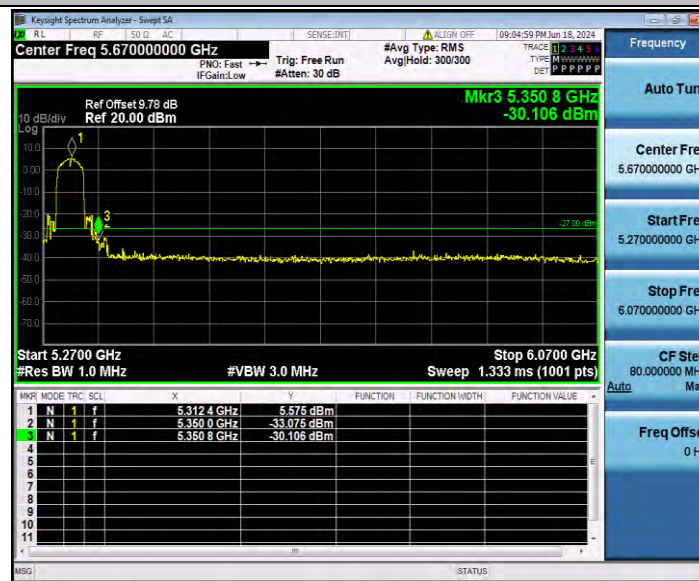
11N20SISO_Ant1_High_5320



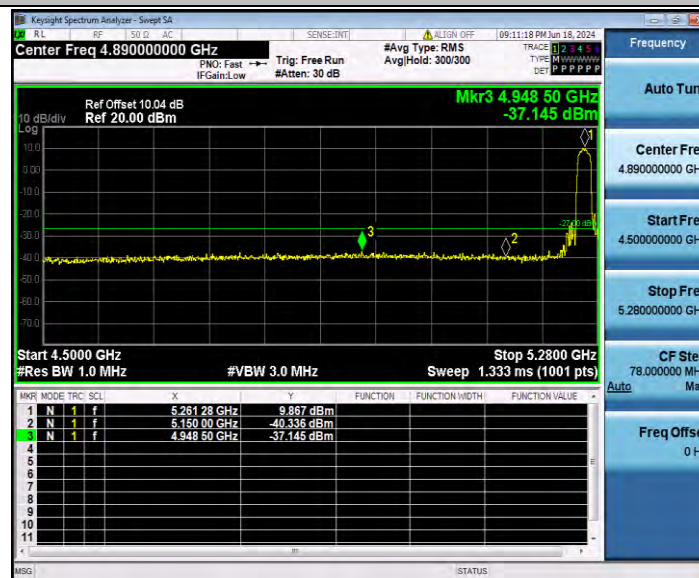
11N40SISO_Ant1_Low_5270



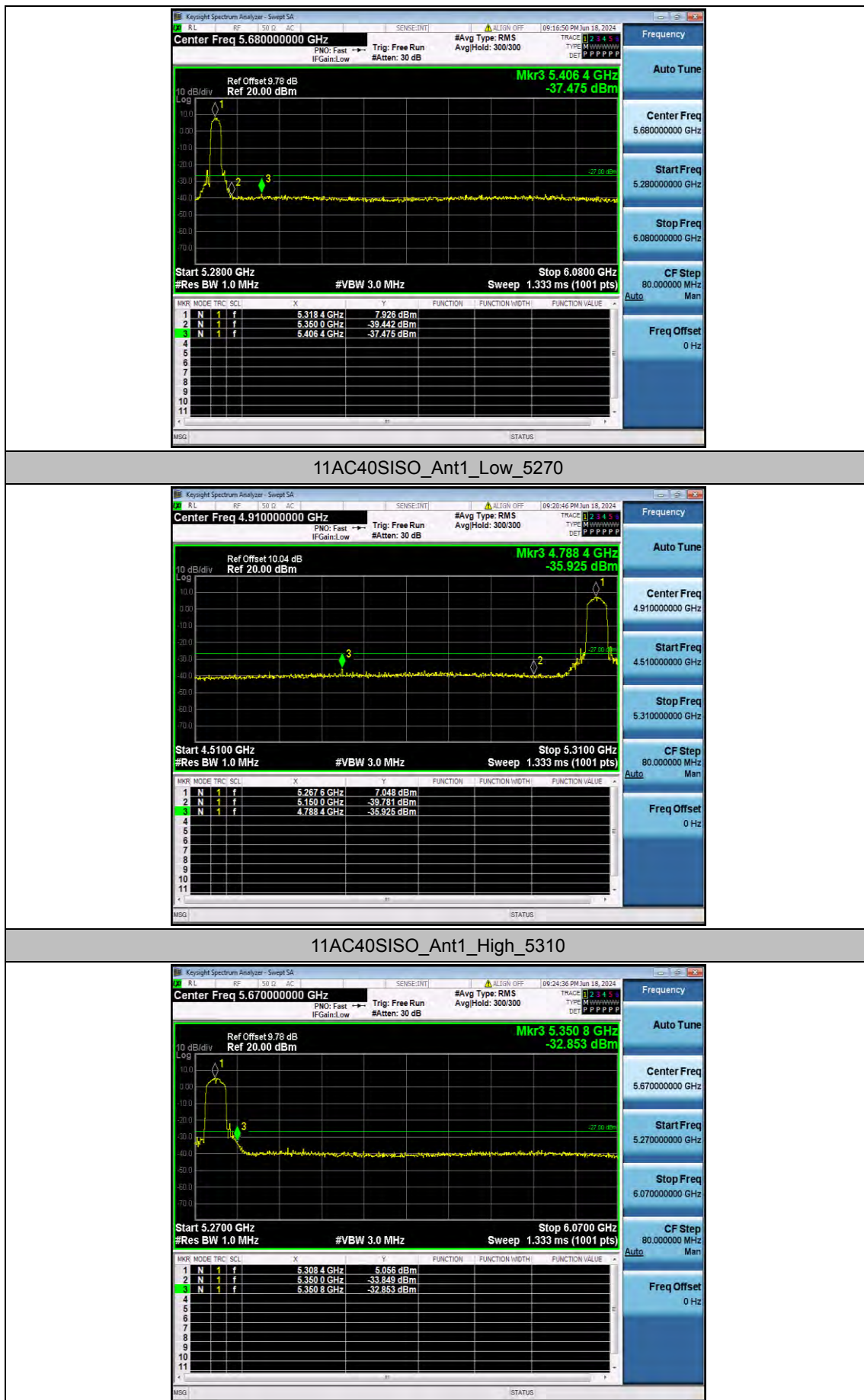
11N40SISO_Ant1_High_5310



11AC20SISO_Ant1_Low_5260



11AC20SISO_Ant1_High_5320



11AC80SISO_Ant1_Low_5290



11AC80SISO_Ant1_High_5290

