

Case No. : <u>GTS20241129021-1-05</u>	
Ambient Condition: <u>22</u> °C, <u>52</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.2.7</u>	Test Engineer: <u>Evan ouyang</u>

Appendix E.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5260	20.840	5249.800	5270.640	---	---
		5280	20.840	5269.680	5290.520	---	---
		5320	20.520	5309.960	5330.480	---	---
11N20SISO	Ant0	5260	20.800	5249.720	5270.520	---	---
		5280	20.720	5269.840	5290.560	---	---
		5320	20.600	5309.920	5330.520	---	---
11N40SISO	Ant0	5270	41.200	5249.360	5290.560	---	---
		5310	40.800	5290.000	5330.800	---	---
11AC20SISO	Ant0	5260	20.920	5249.600	5270.520	---	---
		5280	20.720	5269.800	5290.520	---	---
		5320	20.880	5309.720	5330.600	---	---
11AC40SISO	Ant0	5270	40.400	5250.080	5290.480	---	---
		5310	40.720	5290.000	5330.720	---	---
11AC80SISO	Ant0	5290	82.240	5249.520	5331.760	---	---
11AX20SISO	Ant0	5260	21.840	5249.000	5270.840	---	---
		5280	21.680	5269.320	5291.000	---	---
		5320	21.400	5309.440	5330.840	---	---
11AX40SISO	Ant0	5270	40.480	5250.000	5290.480	---	---
		5310	40.640	5290.000	5330.640	---	---
11AX80SISO	Ant0	5290	82.080	5249.520	5331.600	---	---

Test Graphs

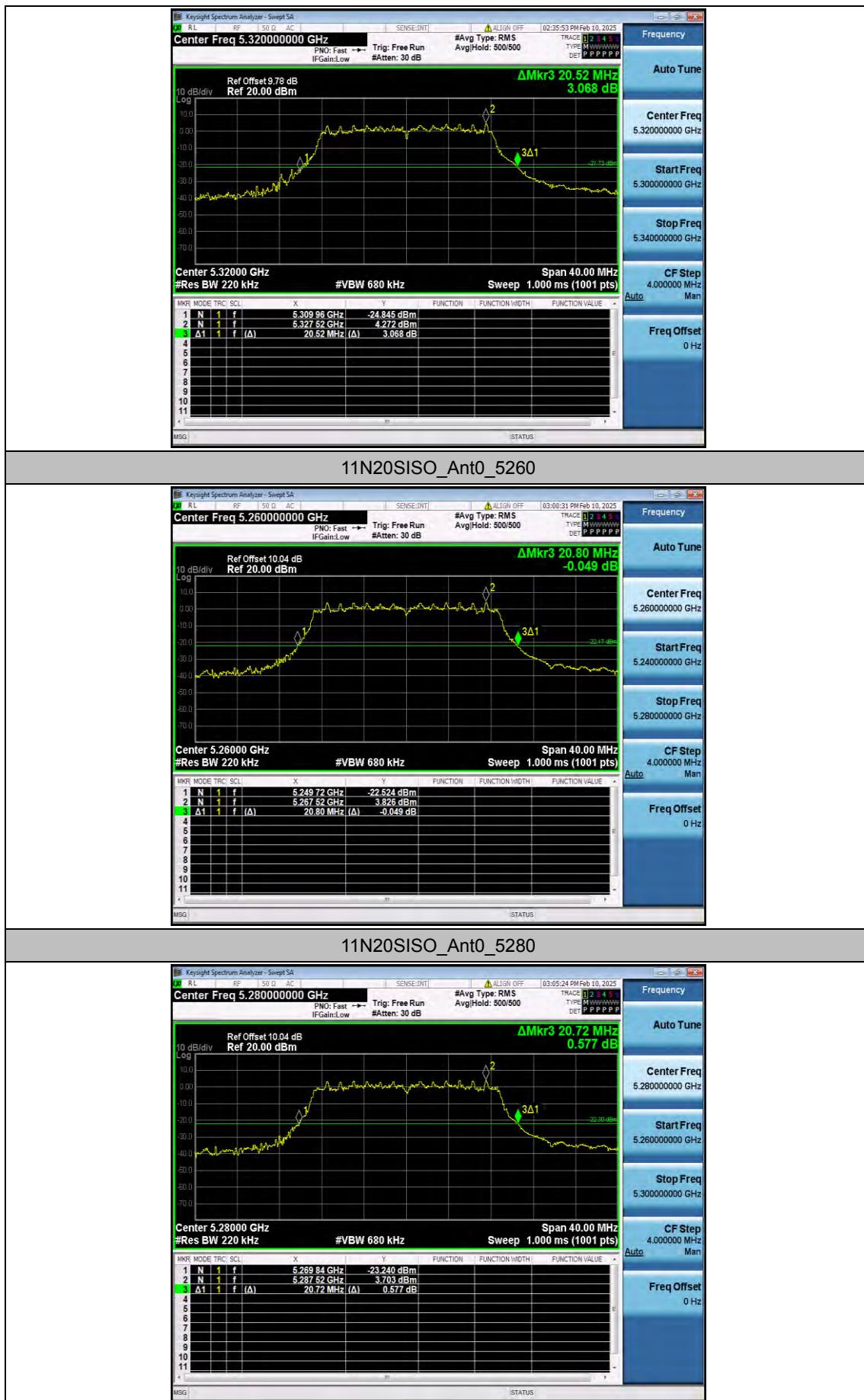
11A_Ant0_5260



11A_Ant0_5280



11A_Ant0_5320



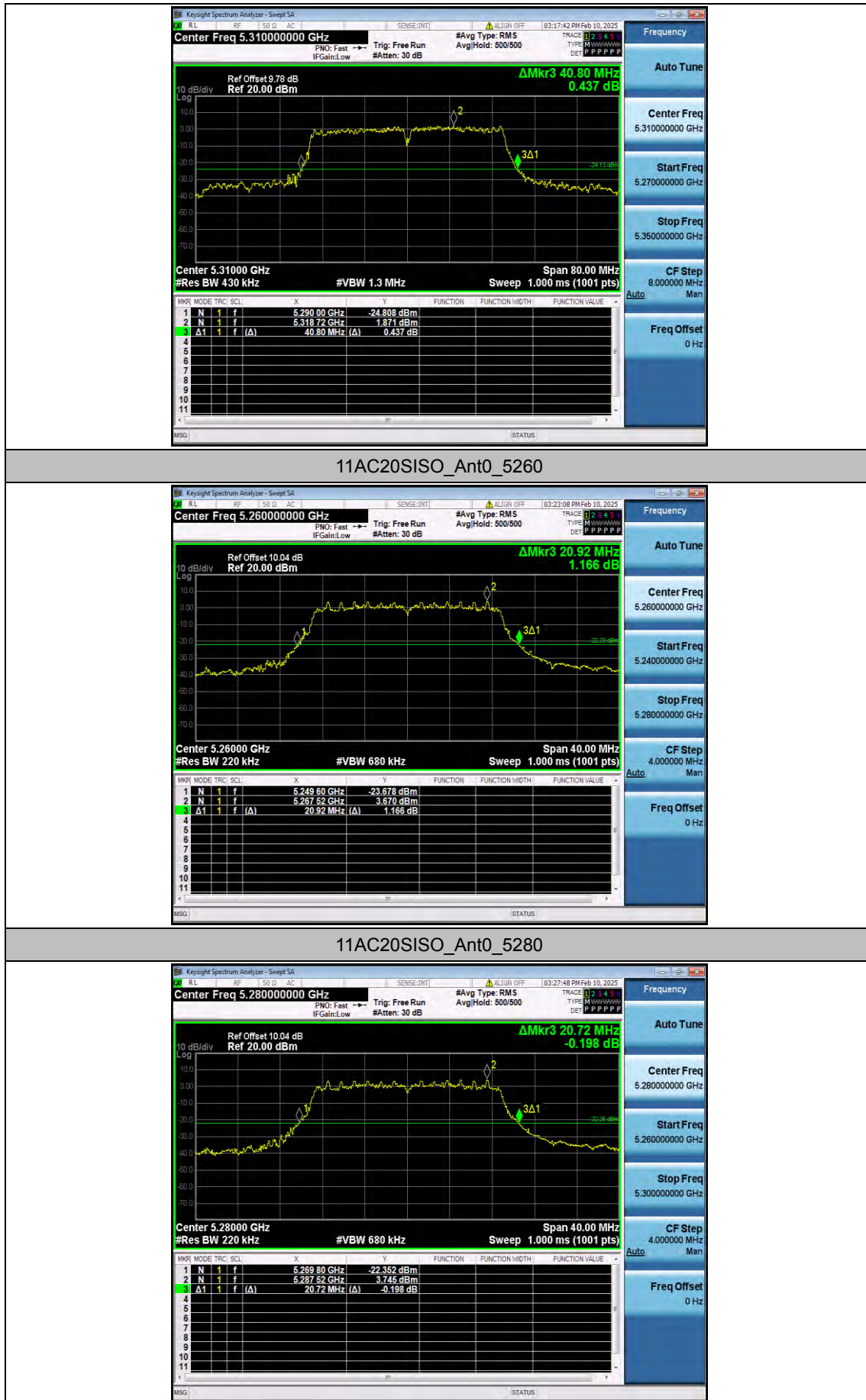
11N20SISO_Ant0_5320



11N40SISO_Ant0_5270



11N40SISO_Ant0_5310



11AC20SISO_Ant0_5320



11AC40SISO_Ant0_5270



11AC40SISO_Ant0_5310



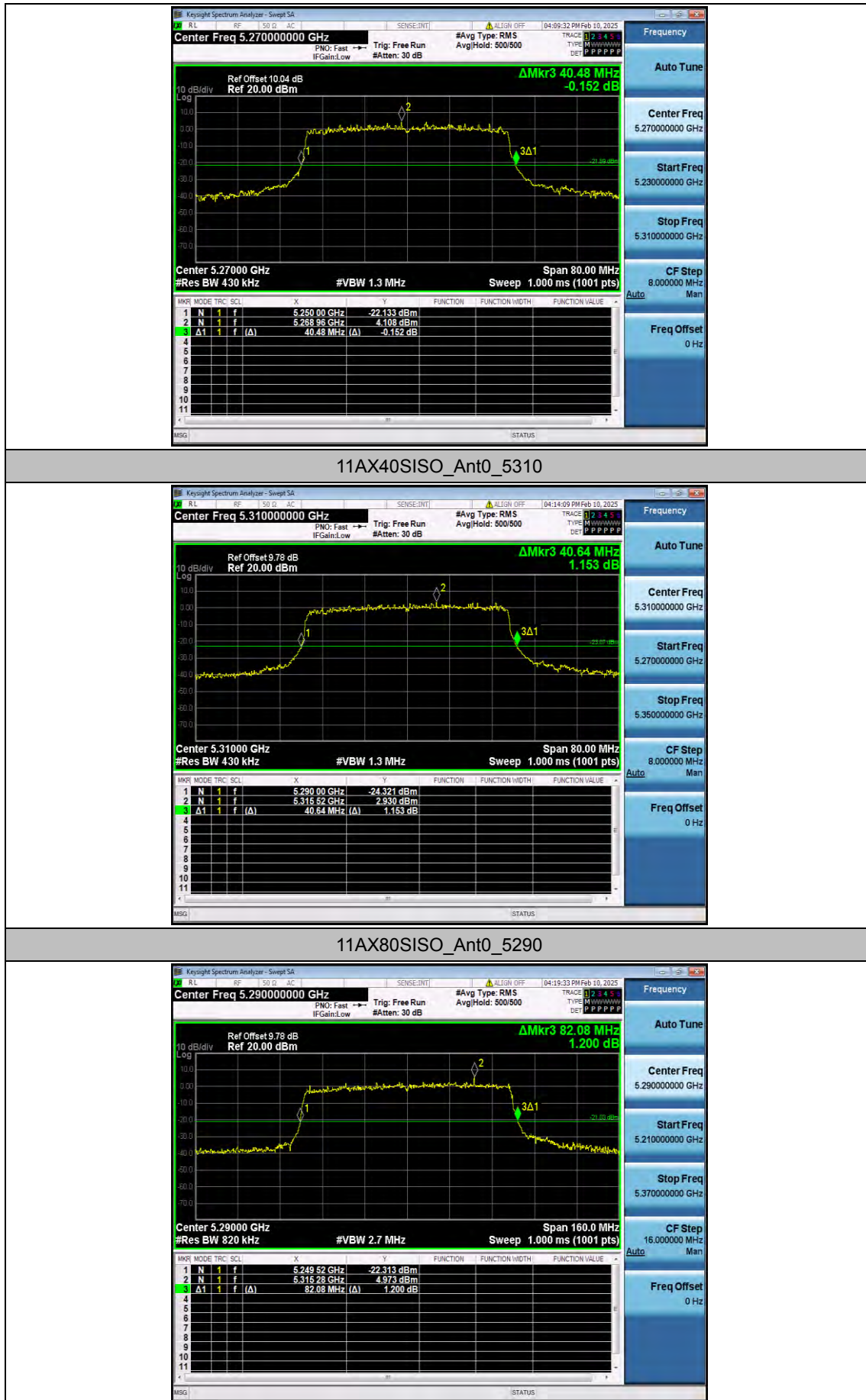
11AX20SISO_Ant0_5280



11AX20SISO_Ant0_5320



11AX40SISO_Ant0_5270

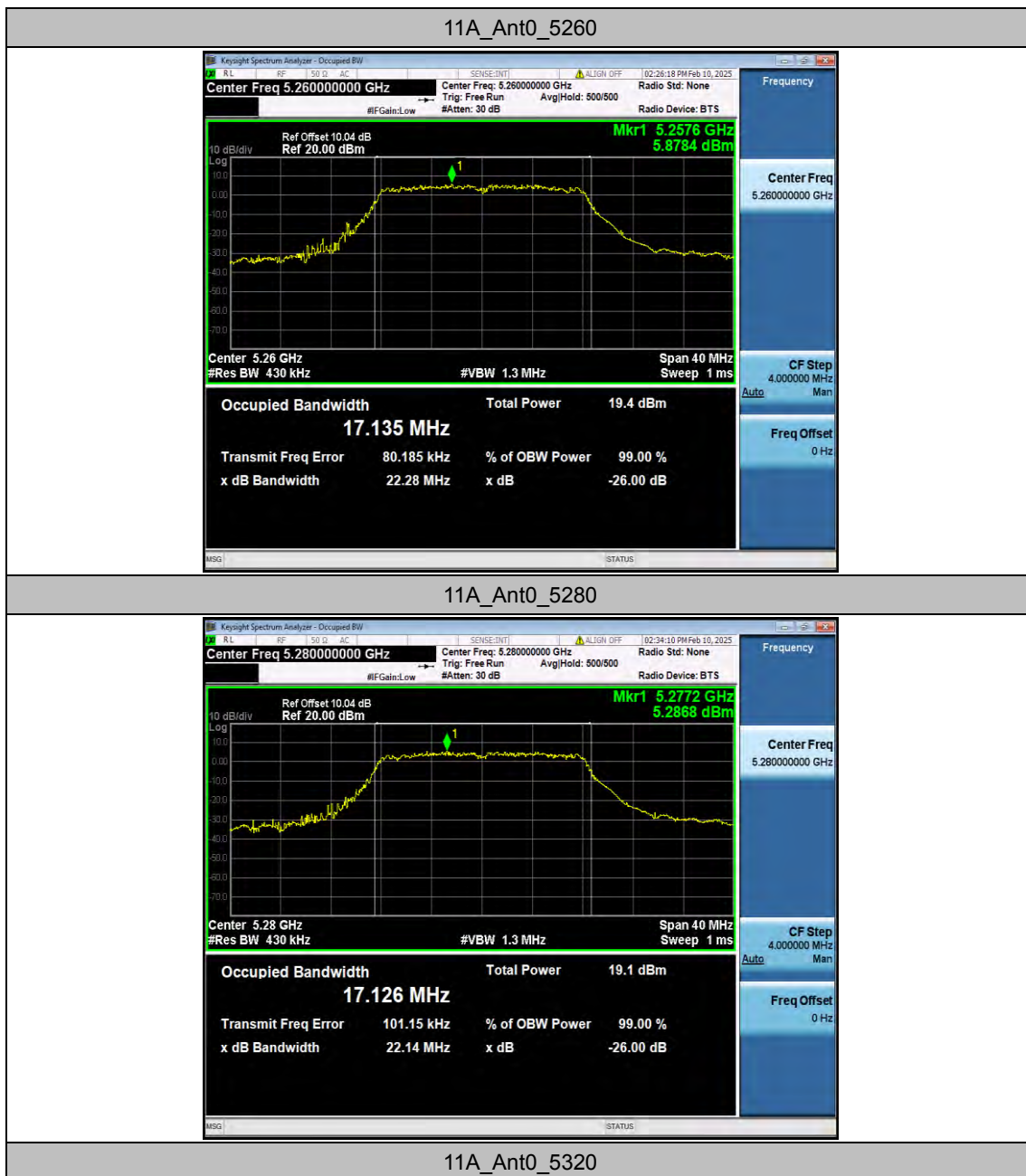


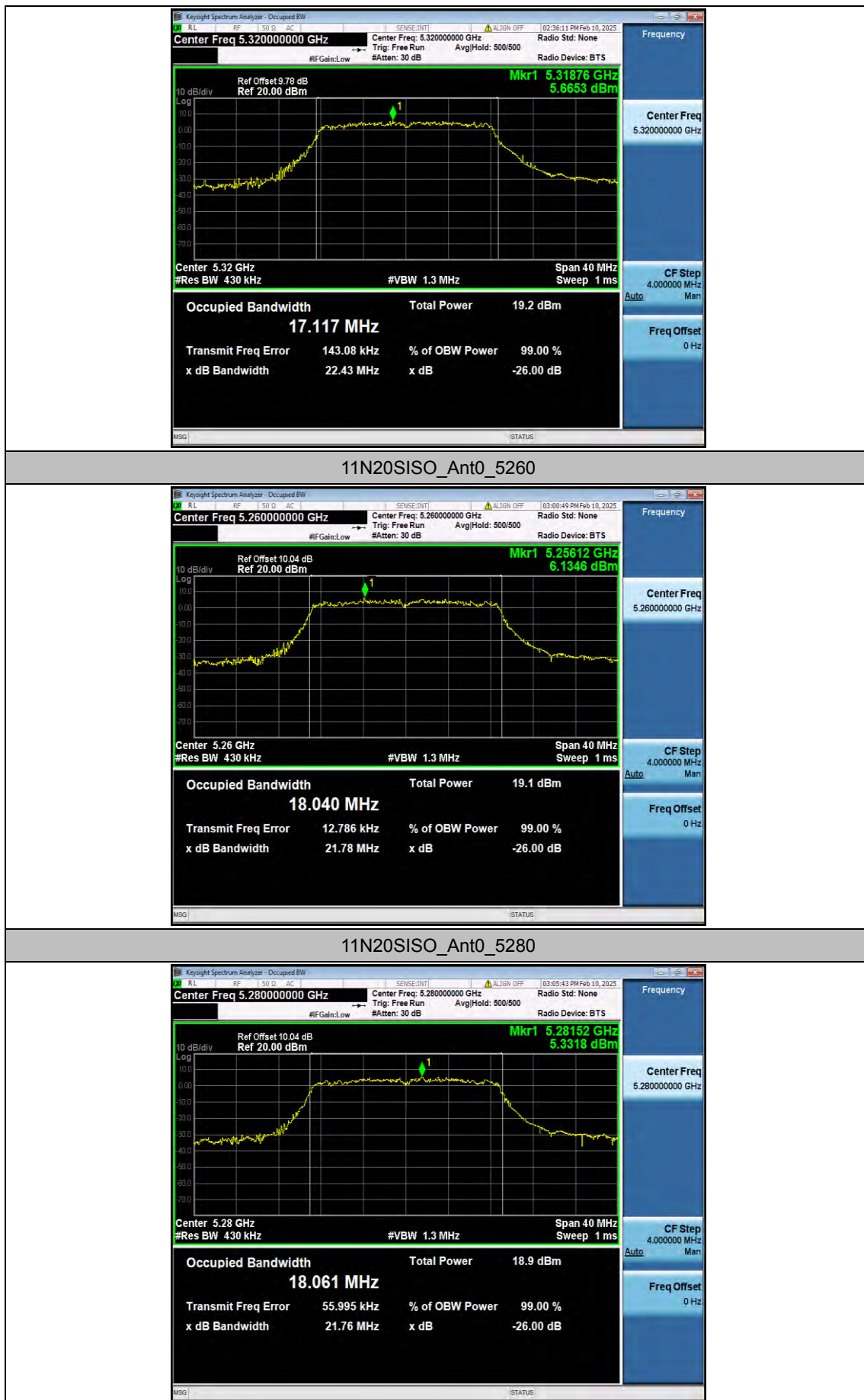
Appendix E.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5260	17.135	5251.5127	5268.6477	---	---
		5280	17.126	5271.5382	5288.6642	---	---
		5320	17.117	5311.5846	5328.7016	---	---
11N20SISO	Ant0	5260	18.040	5250.9928	5269.0328	---	---
		5280	18.061	5271.0255	5289.0865	---	---
		5320	18.062	5311.0632	5329.1252	---	---
11N40SISO	Ant0	5270	36.422	5251.9385	5288.3605	---	---
		5310	36.478	5291.9395	5328.4175	---	---
11AC20SISO	Ant0	5260	18.100	5250.9768	5269.0768	---	---
		5280	17.984	5271.0723	5289.0563	---	---
		5320	18.059	5311.0475	5329.1065	---	---
11AC40SISO	Ant0	5270	36.504	5251.9355	5288.4395	---	---
		5310	36.505	5292.0039	5328.5089	---	---
11AC80SISO	Ant0	5290	75.811	5252.6489	5328.4599	---	---
11AX20SISO	Ant0	5260	18.976	5250.5385	5269.5145	---	---
		5280	19.023	5270.5236	5289.5466	---	---
		5320	19.048	5310.5356	5329.5836	---	---
11AX40SISO	Ant0	5270	37.723	5251.2579	5288.9809	---	---
		5310	37.719	5291.2965	5329.0155	---	---
11AX80SISO	Ant0	5290	77.344	5251.7769	5329.1209	---	---

Test Graphs

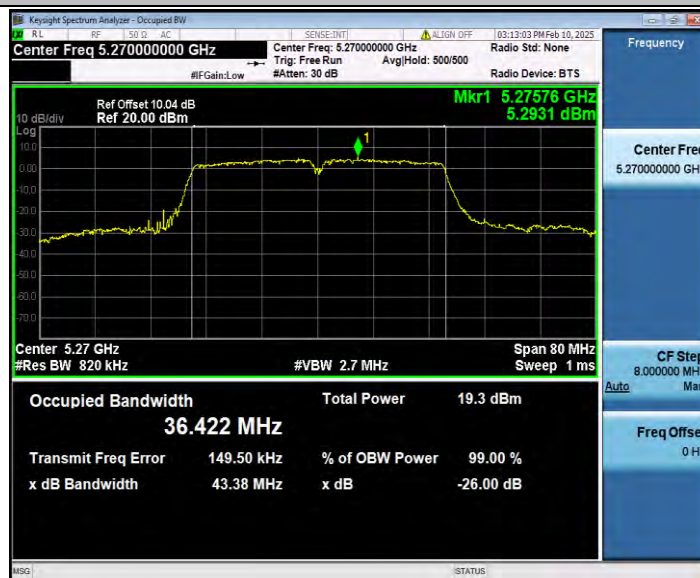




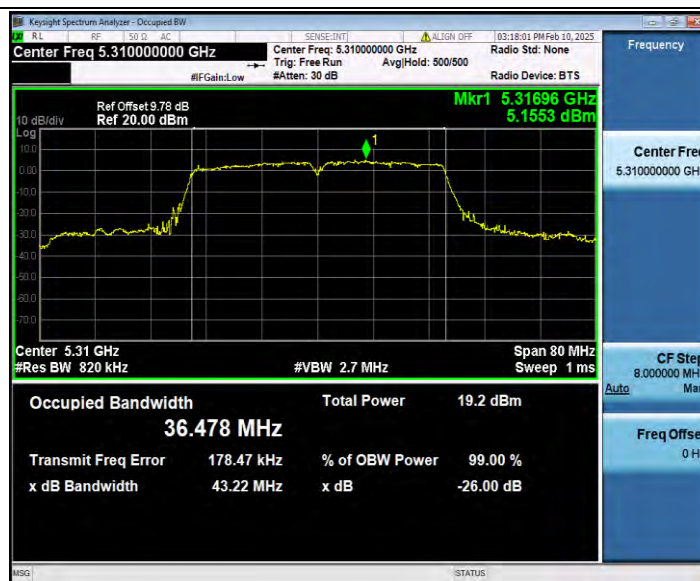
11N20SISO_Ant0_5320



11N40SISO_Ant0_5270



11N40SISO_Ant0_5310



11AC20SISO_Ant0_5260



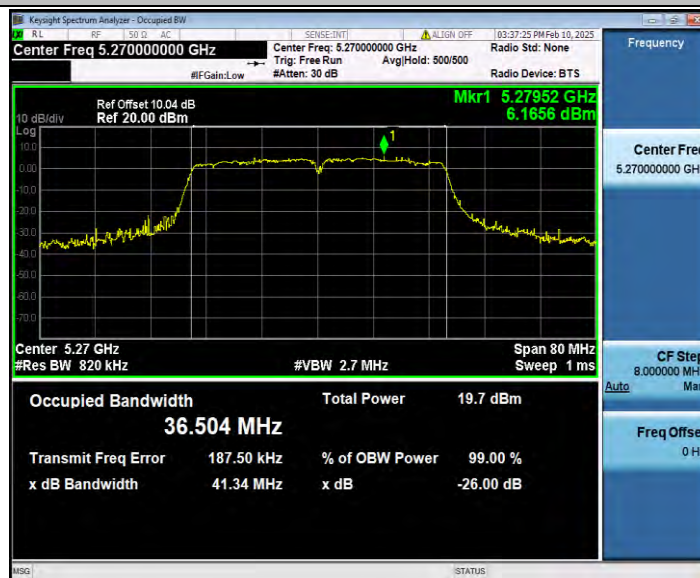
11AC20SISO_Ant0_5280



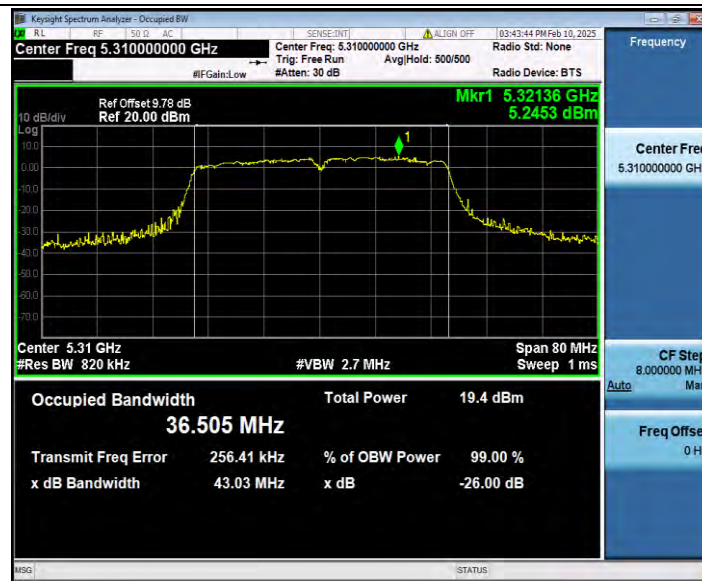
11AC20SISO_Ant0_5320



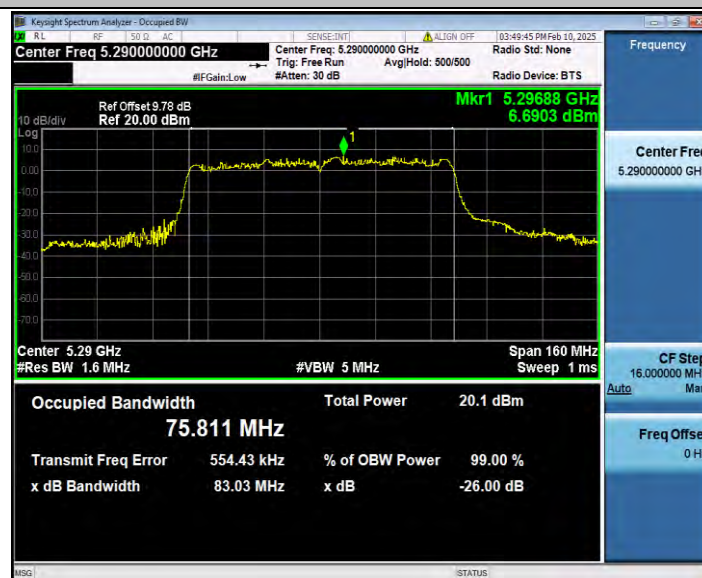
11AC40SISO_Ant0_5270



11AC40SISO_Ant0_5310



11AC80SISO_Ant0_5290



11AX20SISO_Ant0_5260



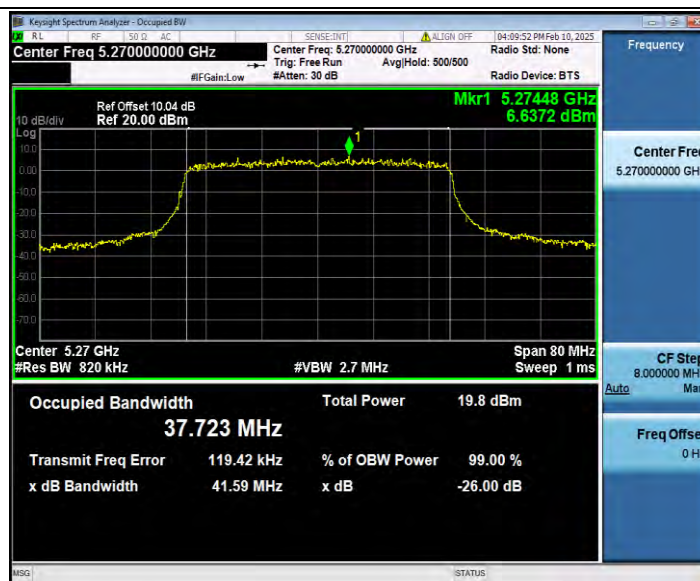
11AX20SISO_Ant0_5280



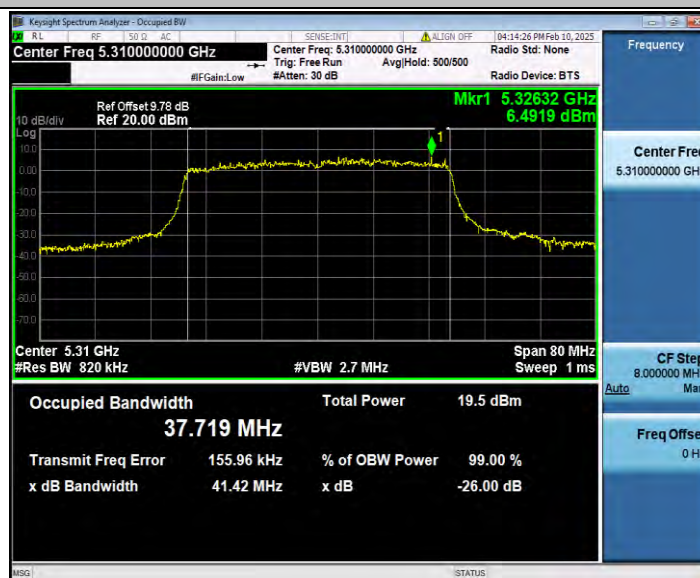
11AX20SISO_Ant0_5320



11AX40SISO_Ant0_5270



11AX40SISO_Ant0_5310



11AX80SISO_Ant0_5290



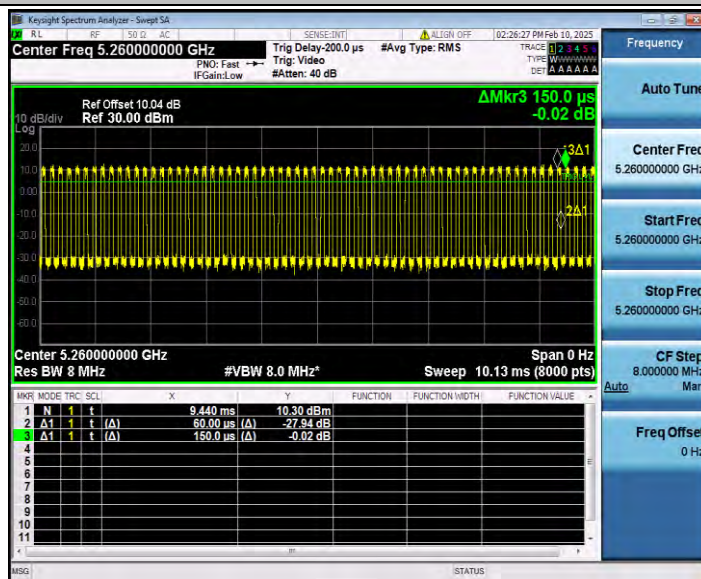
Appendix E.3: Duty Cycle

Test Result

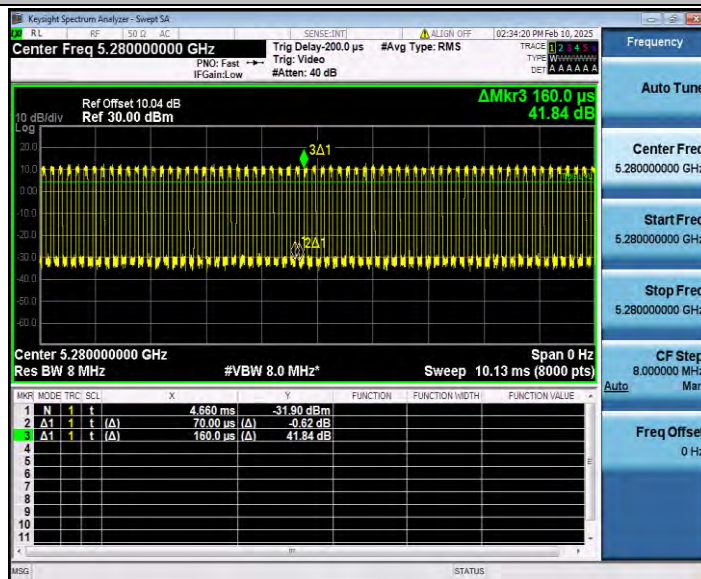
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant0	5260	0.06	0.15	40.00	3.98	16.67
		5280	0.07	0.16	43.75	3.59	14.29
		5320	0.06	0.15	40.00	3.98	16.67
11N20SISO	Ant0	5260	0.08	0.17	47.06	3.27	12.50
		5280	0.08	0.17	47.06	3.27	12.50
		5320	0.08	0.17	47.06	3.27	12.50
11N40SISO	Ant0	5270	0.05	0.14	35.71	4.47	20.00
		5310	0.06	0.15	40.00	3.98	16.67
11AC20SISO	Ant0	5260	0.08	0.17	47.06	3.27	12.50
		5280	0.09	0.18	50.00	3.01	11.11
		5320	0.08	0.17	47.06	3.27	12.50
11AC40SISO	Ant0	5270	0.06	0.15	40.00	3.98	16.67
		5310	0.06	0.15	40.00	3.98	16.67
11AC80SISO	Ant0	5290	0.06	0.15	40.00	3.98	16.67
11AX20SISO	Ant0	5260	0.09	0.18	50.00	3.01	11.11
		5280	1.04	1.30	80.00	3.01	11.11
		5320	0.09	0.18	50.00	3.01	11.11
11AX40SISO	Ant0	5270	0.09	0.18	50.00	3.01	11.11
		5310	0.09	0.18	50.00	3.01	11.11
11AX80SISO	Ant0	5290	0.07	0.16	43.75	3.59	14.29

Test Graphs

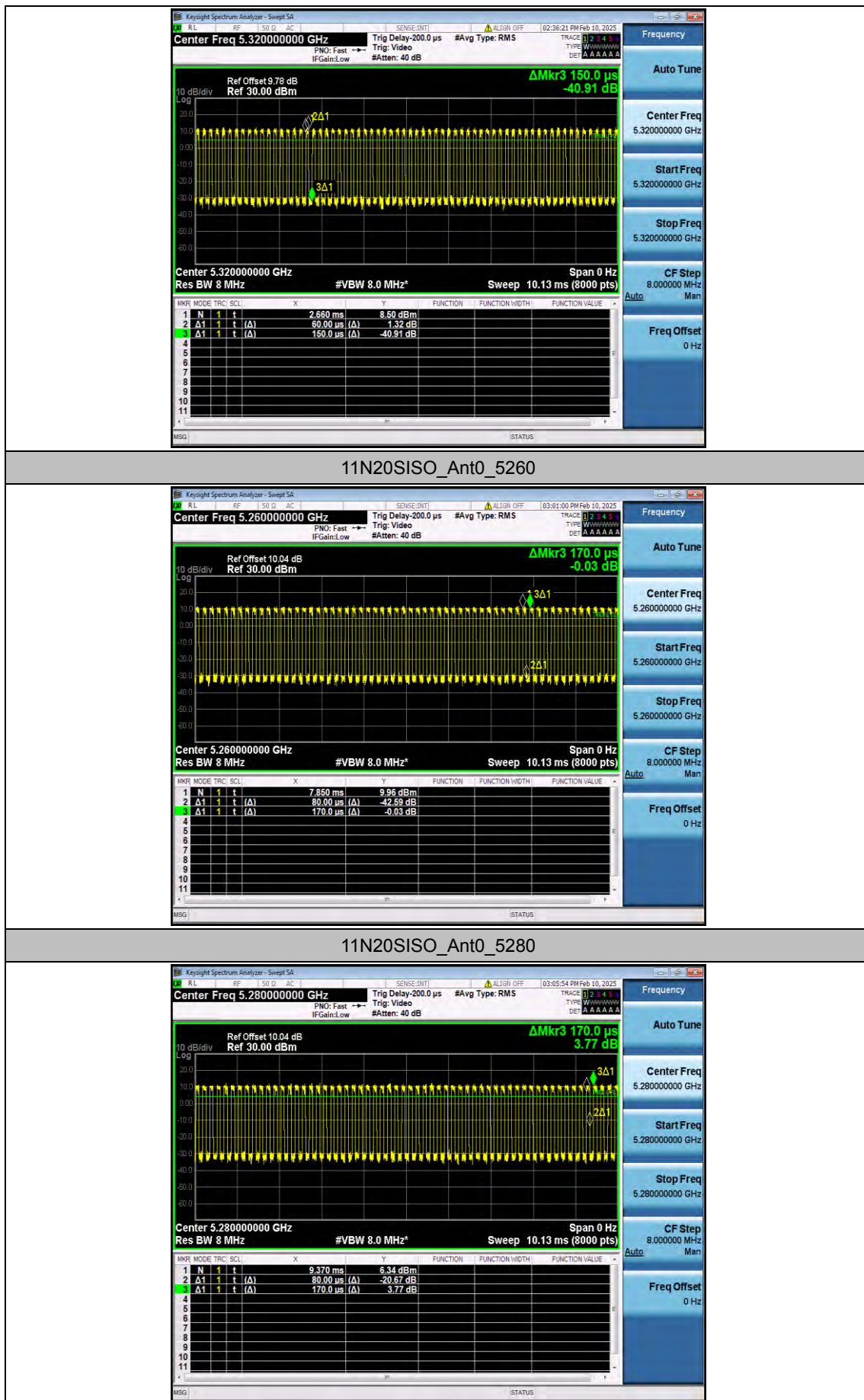
11A_Ant0_5260



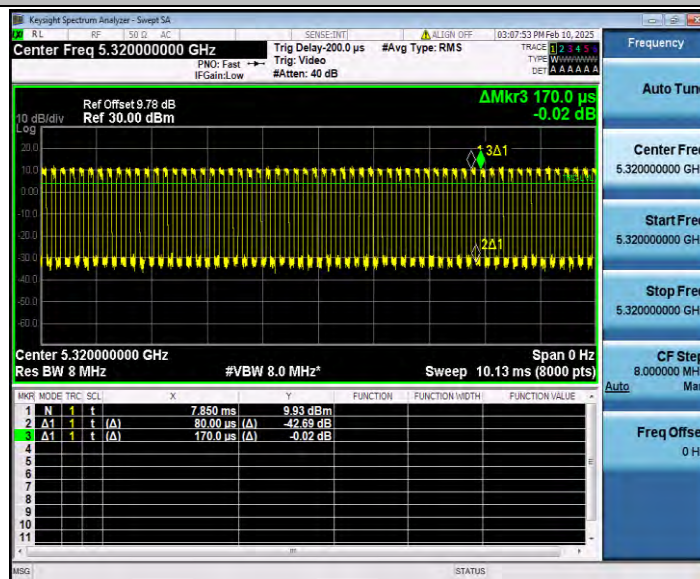
11A_Ant0_5280



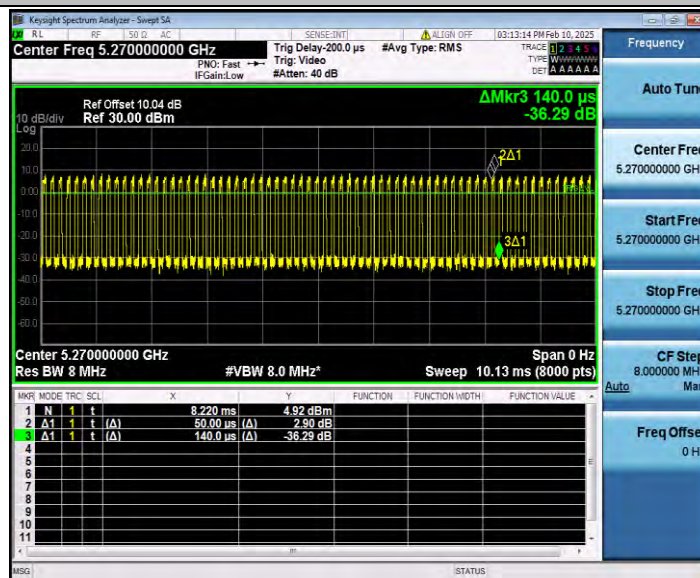
11A_Ant0_5320



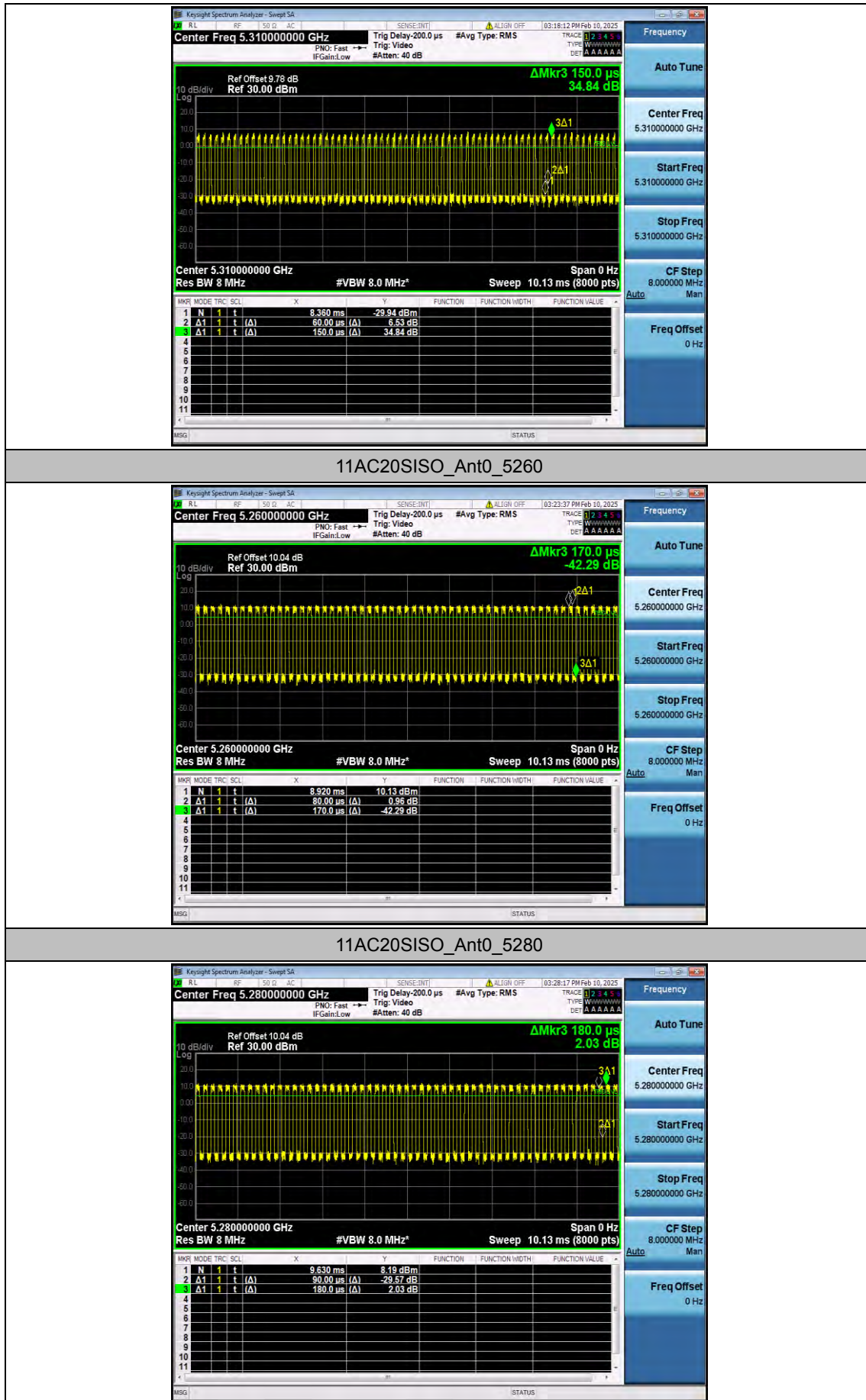
11N20SISO_Ant0_5320



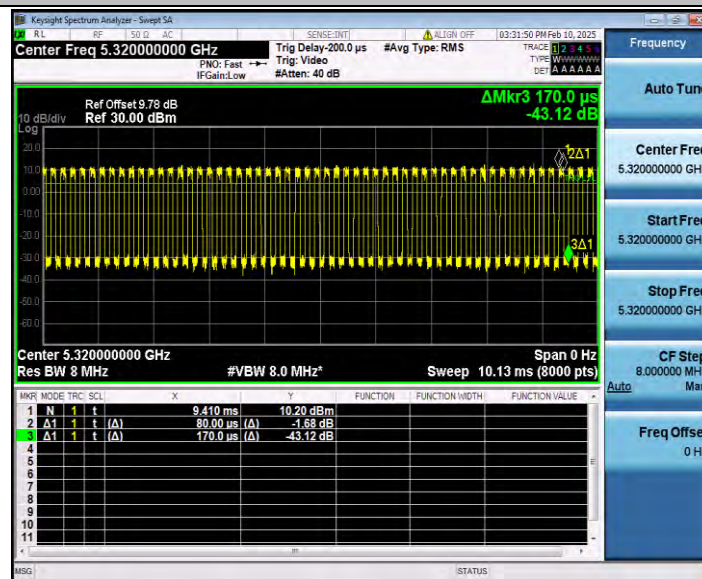
11N40SISO_Ant0_5270



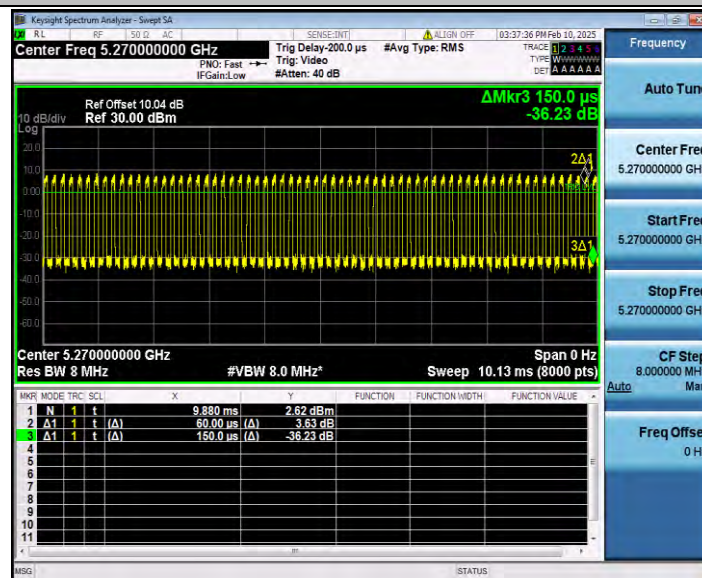
11N40SISO_Ant0_5310



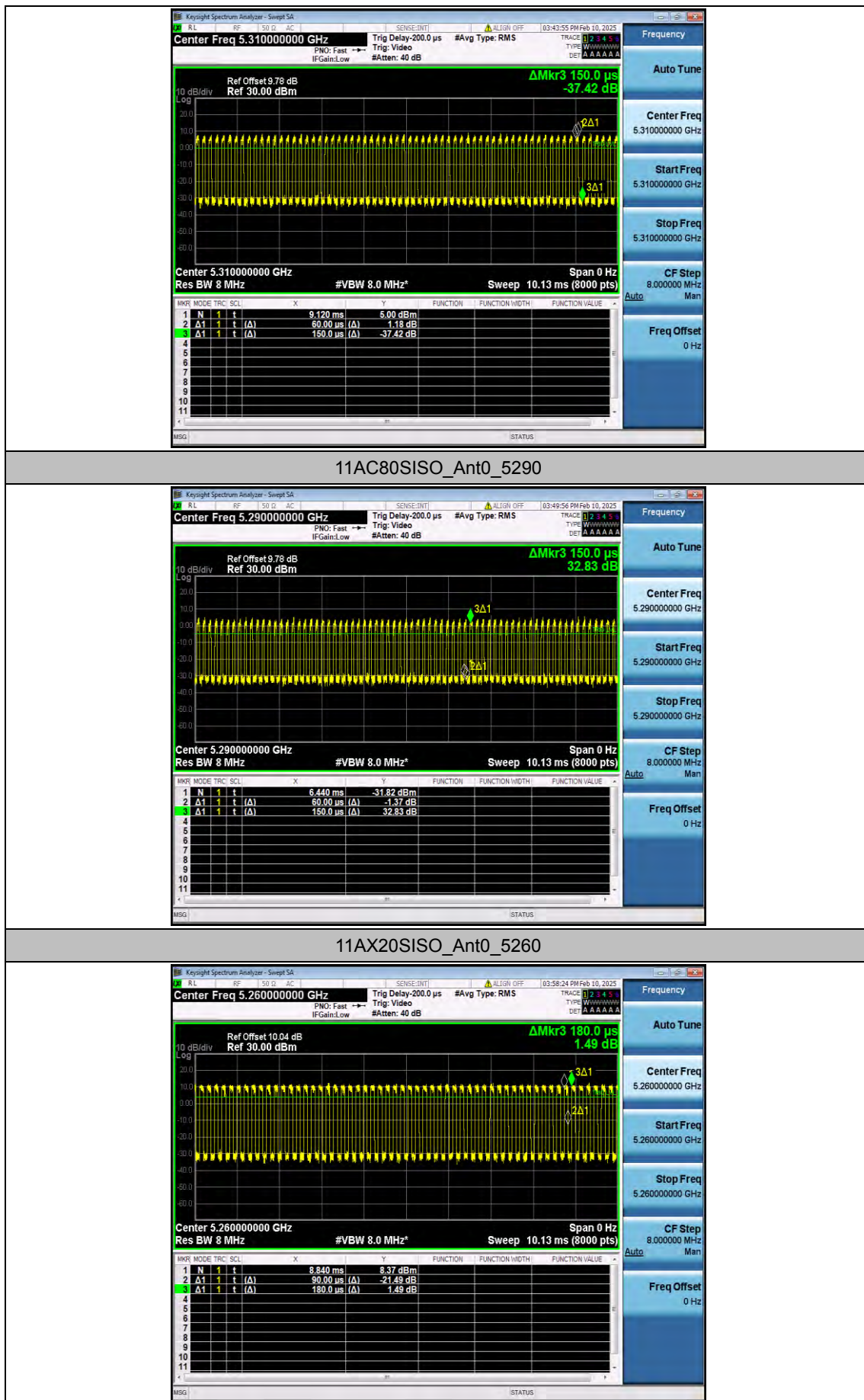
11AC20SISO_Ant0_5320



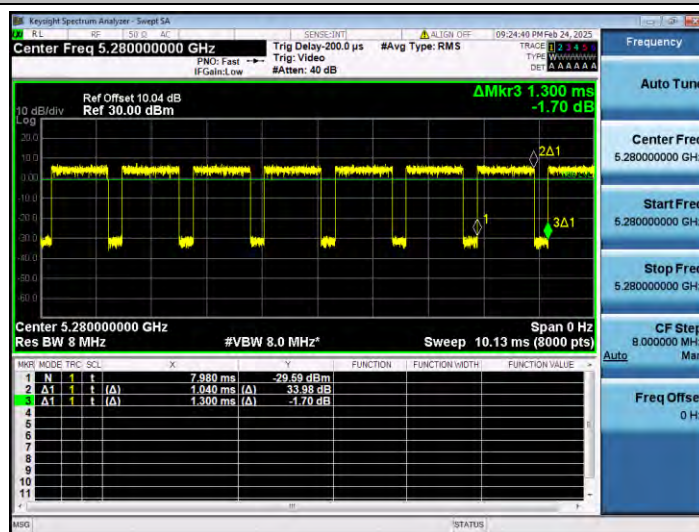
11AC40SISO_Ant0_5270



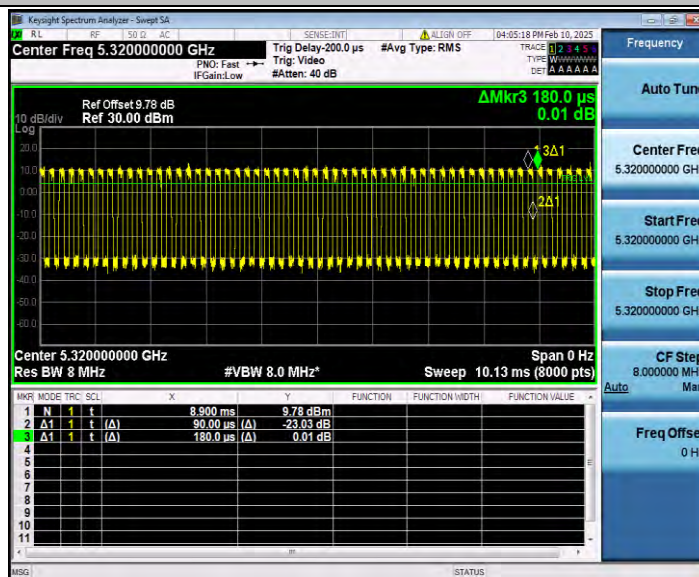
11AC40SISO_Ant0_5310



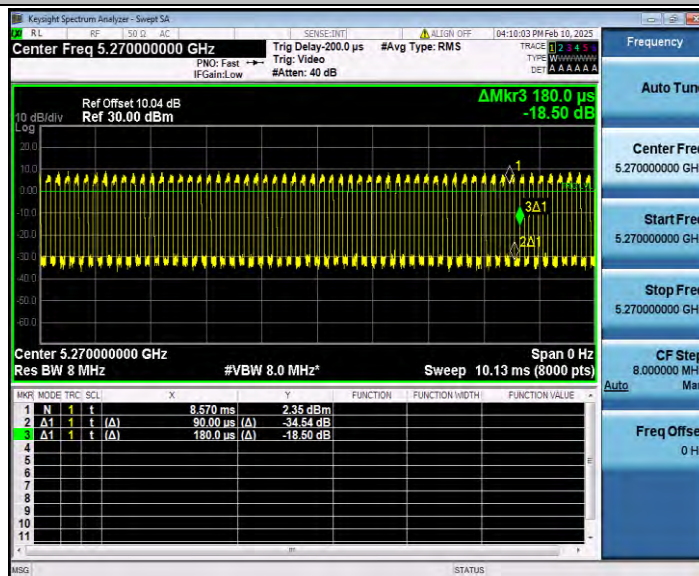
11AX20SISO_Ant0_5280

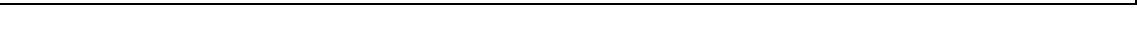
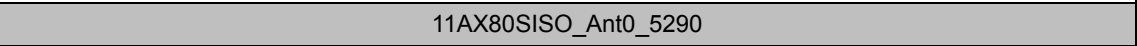


11AX20SISO_Ant0_5320



11AX40SISO_Ant0_5270





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	Ant0	5260	9.44	40.00	3.98	13.42	≤23.98	PASS
		5280	9.34	43.75	3.59	12.93	≤23.98	PASS
		5320	9.33	40.00	3.98	13.31	≤23.98	PASS
11N20SISO	Ant0	5260	9.72	47.06	3.27	12.99	≤23.98	PASS
		5280	9.58	47.06	3.27	12.85	≤23.98	PASS
		5320	9.52	47.06	3.27	12.79	≤23.98	PASS
11N40SISO	Ant0	5270	8.56	35.71	4.47	13.03	≤23.98	PASS
		5310	8.34	40.00	3.98	12.32	≤23.98	PASS
11AC20SISO	Ant0	5260	9.85	47.06	3.27	13.12	≤23.98	PASS
		5280	9.98	50.00	3.01	12.99	≤23.98	PASS
		5320	9.72	47.06	3.27	12.99	≤23.98	PASS
11AC40SISO	Ant0	5270	9.08	40.00	3.98	13.06	≤23.98	PASS
		5310	8.80	40.00	3.98	12.78	≤23.98	PASS
11AC80SISO	Ant0	5290	8.32	40.00	3.98	12.30	≤23.98	PASS
11AX20SISO	Ant0	5260	9.76	50.00	3.01	12.77	≤23.98	PASS
		5280	9.72	80.00	3.01	12.73	≤23.98	PASS
		5320	9.68	50.00	3.01	12.69	≤23.98	PASS
11AX40SISO	Ant0	5270	9.11	50.00	3.01	12.12	≤23.98	PASS
		5310	8.80	50.00	3.01	11.81	≤23.98	PASS
11AX80SISO	Ant0	5290	8.58	43.75	3.59	12.17	≤23.98	PASS

Appendix E.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant0	5260	2.37	≤11.00	PASS
		5280	1.89	≤11.00	PASS
		5320	2.34	≤11.00	PASS
11N20SISO	Ant0	5260	1.64	≤11.00	PASS
		5280	1.63	≤11.00	PASS
		5320	1.60	≤11.00	PASS
11N40SISO	Ant0	5270	-0.89	≤11.00	PASS
		5310	-1.33	≤11.00	PASS
11AC20SISO	Ant0	5260	1.93	≤11.00	PASS
		5280	1.81	≤11.00	PASS
		5320	2.02	≤11.00	PASS
11AC40SISO	Ant0	5270	-0.79	≤11.00	PASS
		5310	-0.72	≤11.00	PASS
11AC80SISO	Ant0	5290	-4.08	≤11.00	PASS
11AX20SISO	Ant0	5260	1.69	≤11.00	PASS
		5280	-1.47	≤11.00	PASS
		5320	1.45	≤11.00	PASS
11AX40SISO	Ant0	5270	-2.11	≤11.00	PASS
		5310	-2.12	≤11.00	PASS
11AX80SISO	Ant0	5290	-4.78	≤11.00	PASS

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

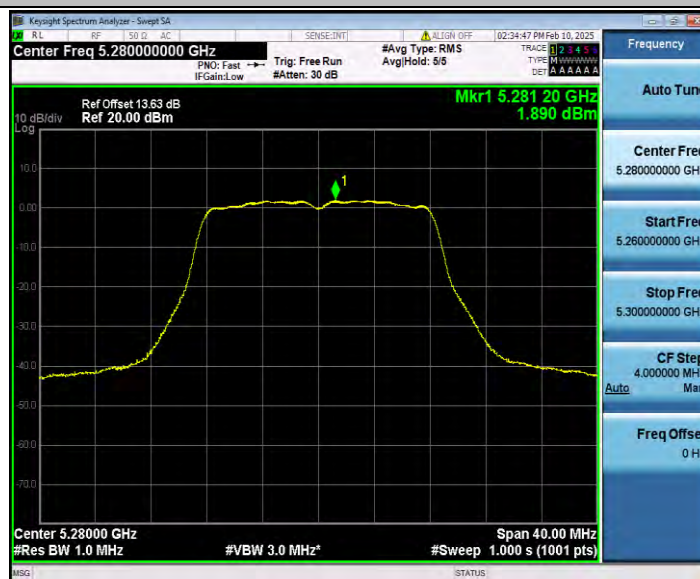
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

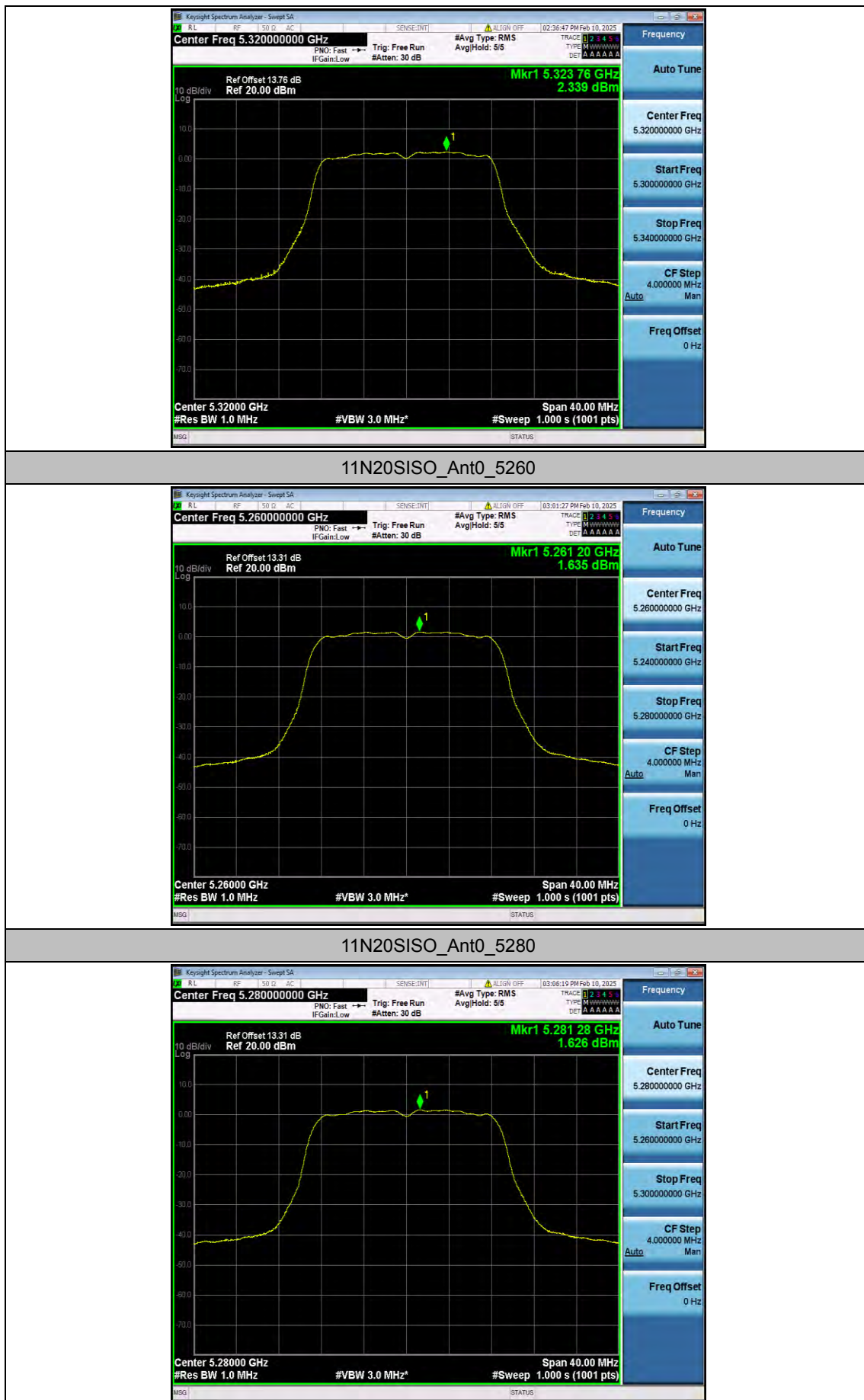
11A_Ant0_5260



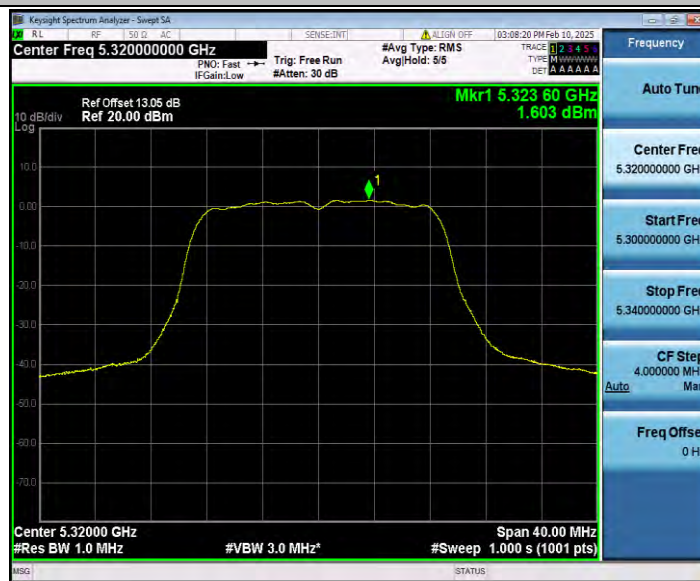
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11A_Ant0_5320



11N20SISO_Ant0_5320



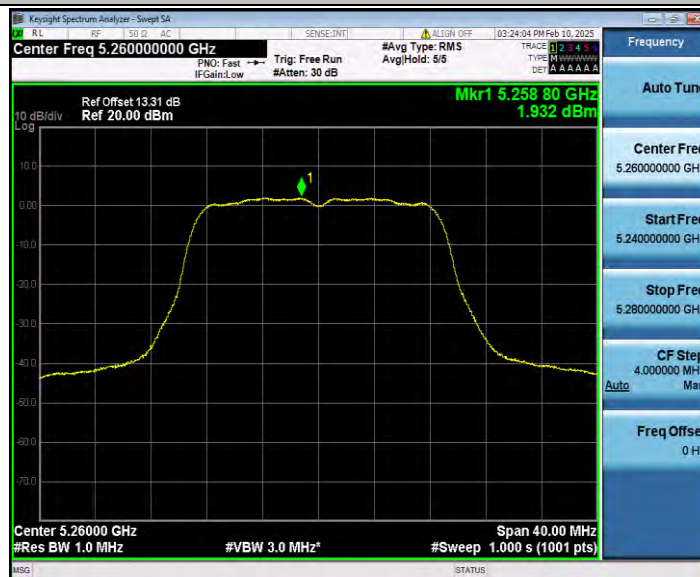
11N40SISO_Ant0_5270



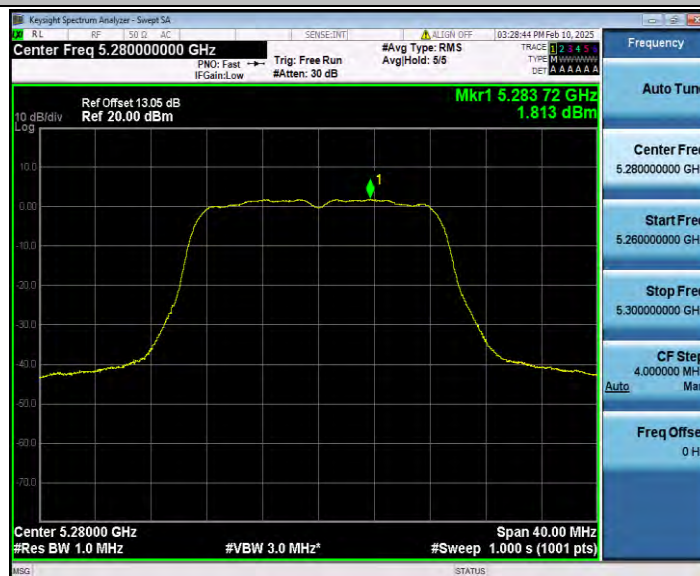
11N40SISO_Ant0_5310



11AC20SISO_Ant0_5260



11AC20SISO_Ant0_5280



11AC20SISO_Ant0_5320



11AC40SISO_Ant0_5270



11AC40SISO_Ant0_5310



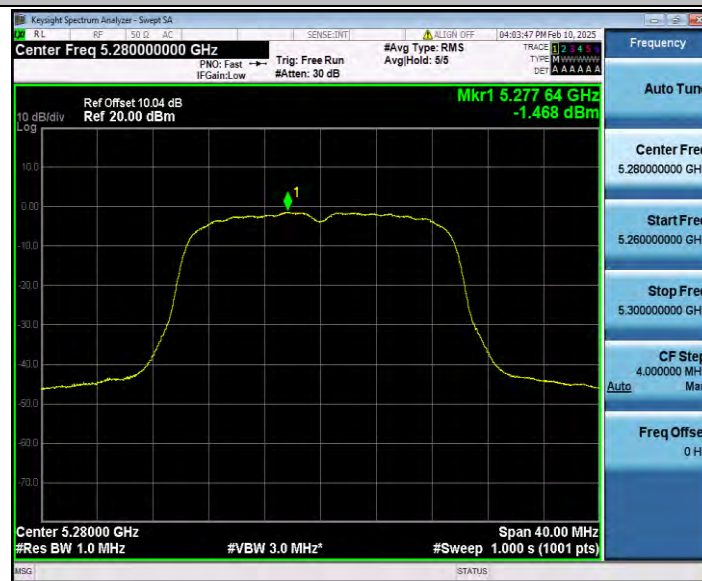
11AC80SISO_Ant0_5290



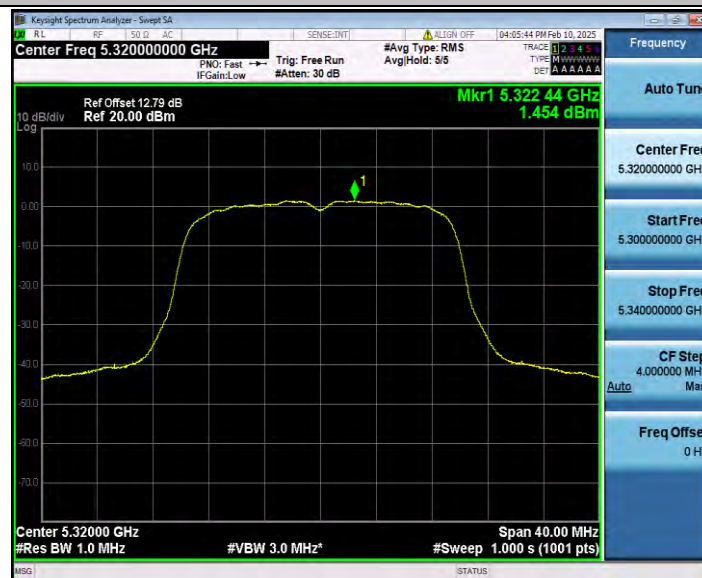
11AX20SISO_Ant0_5260



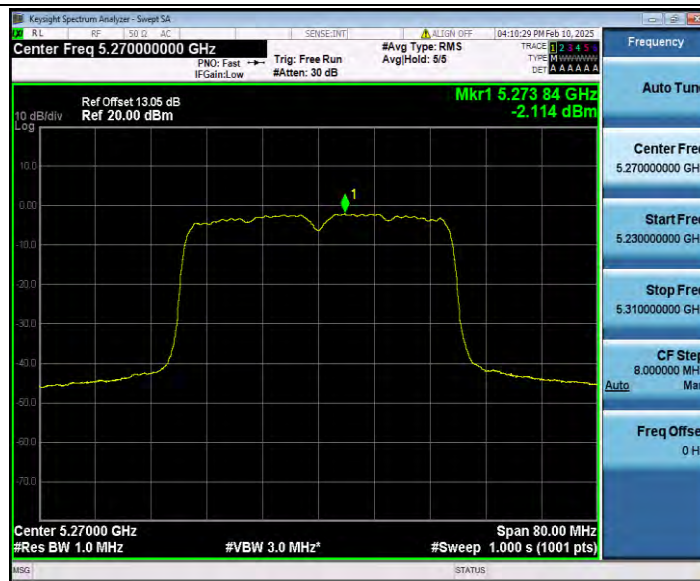
11AX20SISO_Ant0_5280



11AX20SISO_Ant0_5320



11AX40SISO_Ant0_5270



11AX40SISO_Ant0_5310



11AX80SISO_Ant0_5290

