

Case No. : <u>GTS20241129021-2-05</u>	
Ambient Condition: <u>22</u> °C, <u>53</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.3.7</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	22.680	5248.360	5271.040	---	---
		5280	22.800	5268.520	5291.320	---	---
		5320	23.120	5308.560	5331.680	---	---
11N20SISO	Ant0	5260	23.280	5248.320	5271.600	---	---
		5280	23.160	5268.360	5291.520	---	---
		5320	23.560	5308.000	5331.560	---	---
11N40SISO	Ant0	5270	42.560	5248.720	5291.280	---	---
		5310	43.760	5288.560	5332.320	---	---
11AC20SISO	Ant0	5260	22.960	5248.200	5271.160	---	---
		5280	23.080	5268.640	5291.720	---	---
		5320	23.240	5308.440	5331.680	---	---
11AC40SISO	Ant0	5270	43.440	5247.760	5291.200	---	---
		5310	43.200	5288.480	5331.680	---	---
11AC80SISO	Ant0	5290	85.760	5247.600	5333.360	---	---
11AX20SISO	Ant0	5260	22.120	5248.880	5271.000	---	---
		5280	22.480	5268.960	5291.440	---	---
		5320	22.480	5308.880	5331.360	---	---
11AX40SISO	Ant0	5270	41.600	5248.880	5290.480	---	---
		5310	43.360	5288.240	5331.600	---	---
11AX80SISO	Ant0	5290	82.080	5249.040	5331.120	---	---

Test Graphs

11A_Ant0_5260



11A_Ant0_5280



11A_Ant0_5320



11N20SISO_Ant0_5320



11N40SISO_Ant0_5270



11N40SISO_Ant0_5310



11AC20SISO_Ant0_5320



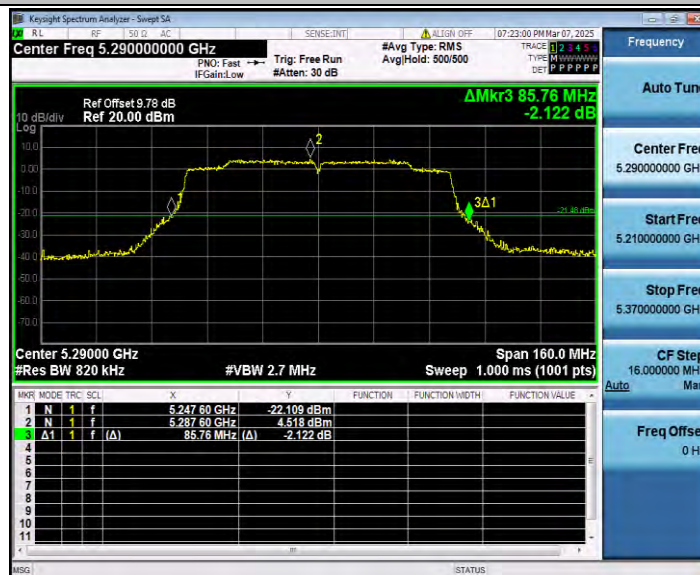
11AC40SISO_Ant0_5270



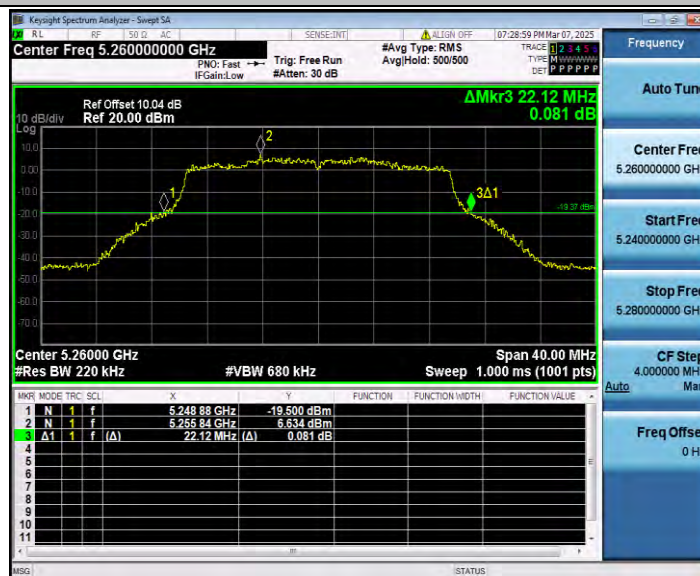
11AC40SISO_Ant0_5310



11AC80SISO_Ant0_5290



11AX20SISO_Ant0_5260



11AX20SISO_Ant0_5280



11AX20SISO_Ant0_5320



11AX40SISO_Ant0_5270

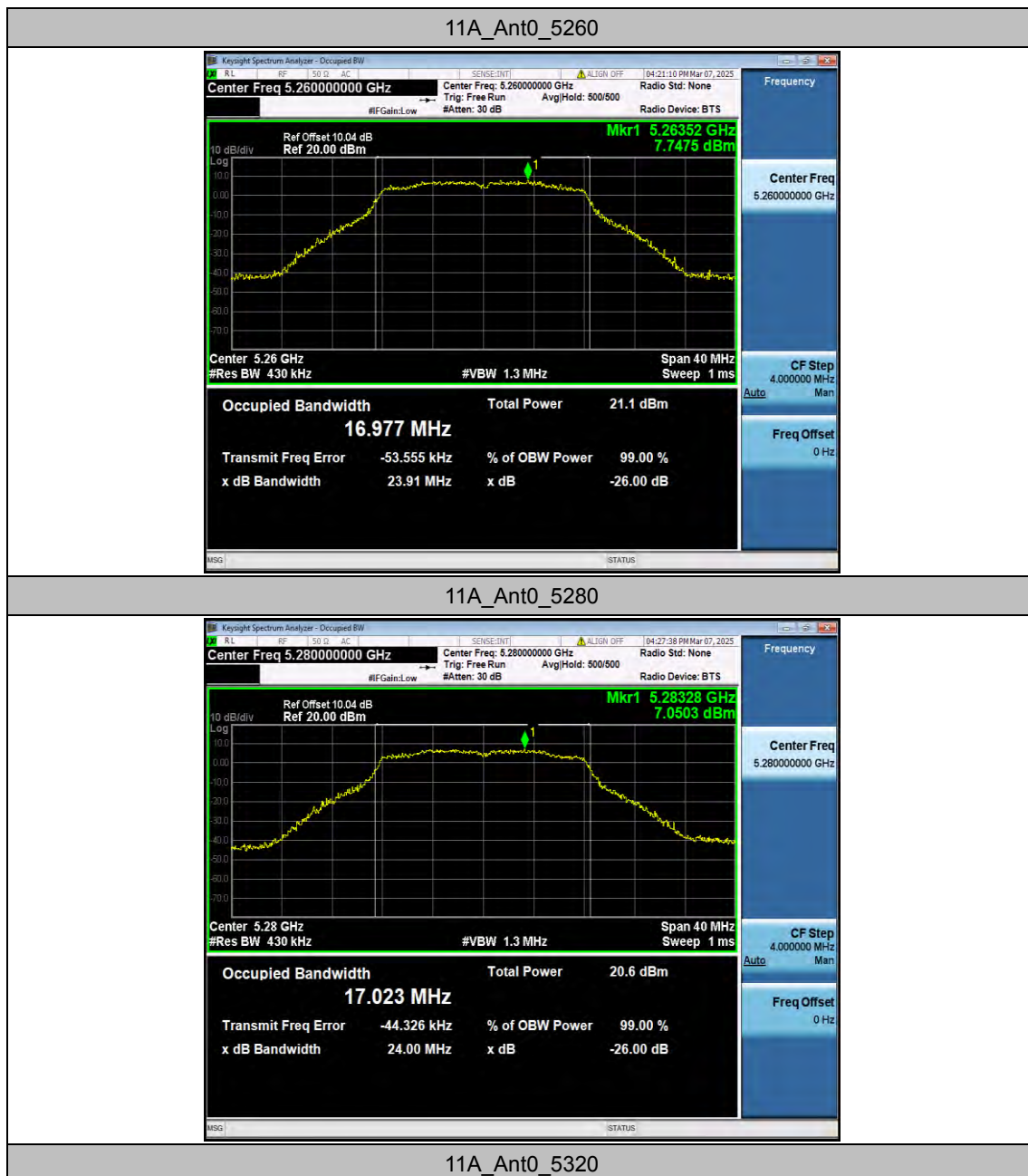


Appendix E.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5260	16.977	5251.4579	5268.4349	---	---
		5280	17.023	5271.4442	5288.4672	---	---
		5320	17.047	5311.4273	5328.4743	---	---
11N20SISO	Ant0	5260	18.010	5250.9500	5268.9600	---	---
		5280	18.031	5270.9512	5288.9822	---	---
		5320	18.097	5310.9445	5329.0415	---	---
11N40SISO	Ant0	5270	36.215	5251.8194	5288.0344	---	---
		5310	36.193	5291.9121	5328.1051	---	---
11AC20SISO	Ant0	5260	18.022	5250.9512	5268.9732	---	---
		5280	18.006	5270.9477	5288.9537	---	---
		5320	18.032	5310.9694	5329.0014	---	---
11AC40SISO	Ant0	5270	36.205	5251.8440	5288.0490	---	---
		5310	36.316	5291.8559	5328.1719	---	---
11AC80SISO	Ant0	5290	75.311	5252.2478	5327.5588	---	---
11AX20SISO	Ant0	5260	18.960	5250.4881	5269.4481	---	---
		5280	18.999	5270.5007	5289.4997	---	---
		5320	19.005	5310.4887	5329.4937	---	---
11AX40SISO	Ant0	5270	37.614	5251.0854	5288.6994	---	---
		5310	37.661	5291.1969	5328.8579	---	---
11AX80SISO	Ant0	5290	77.007	5251.4920	5328.4990	---	---

Test Graphs





11N20SISO_Ant0_5260



11N20SISO_Ant0_5280



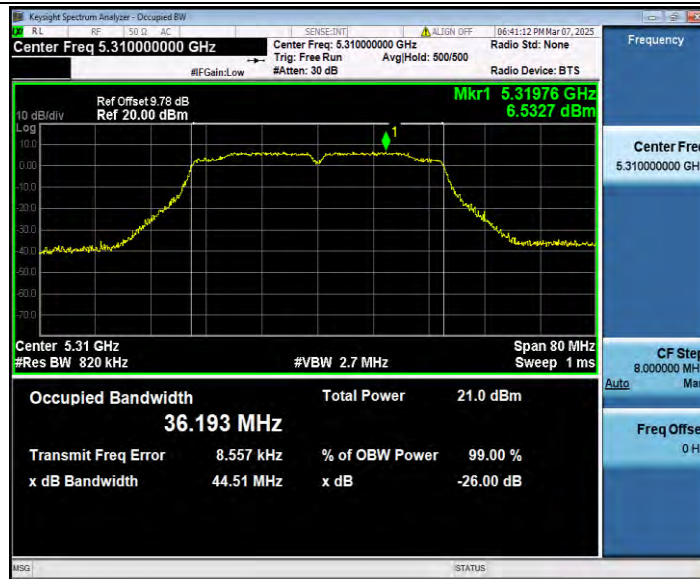
11N20SISO_Ant0_5320



11N40SISO_Ant0_5270



11N40SISO_Ant0_5310



11AC20SISO_Ant0_5260



11AC20SISO_Ant0_5280



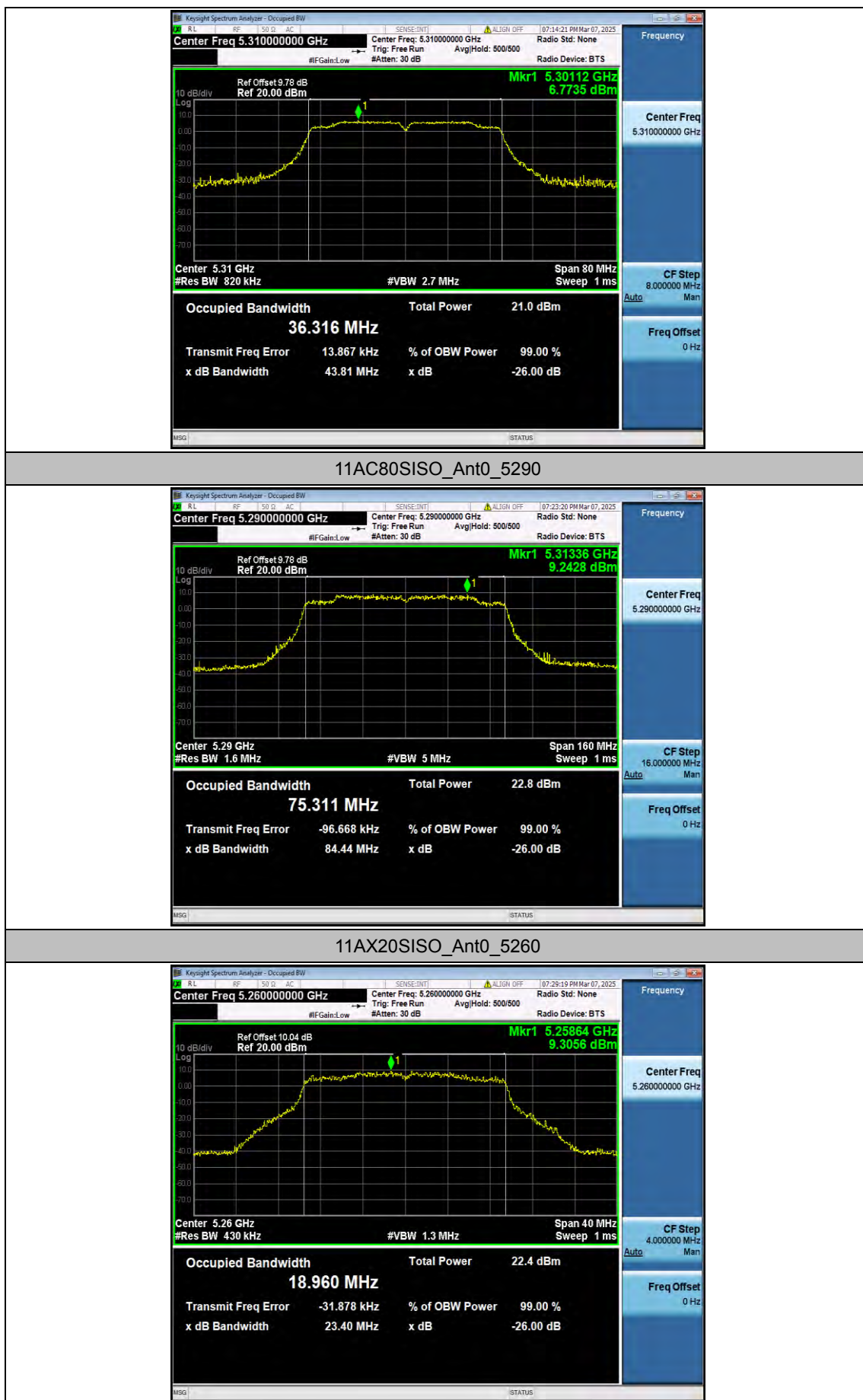
11AC20SISO_Ant0_5320



11AC40SISO_Ant0_5270



11AC40SISO_Ant0_5310



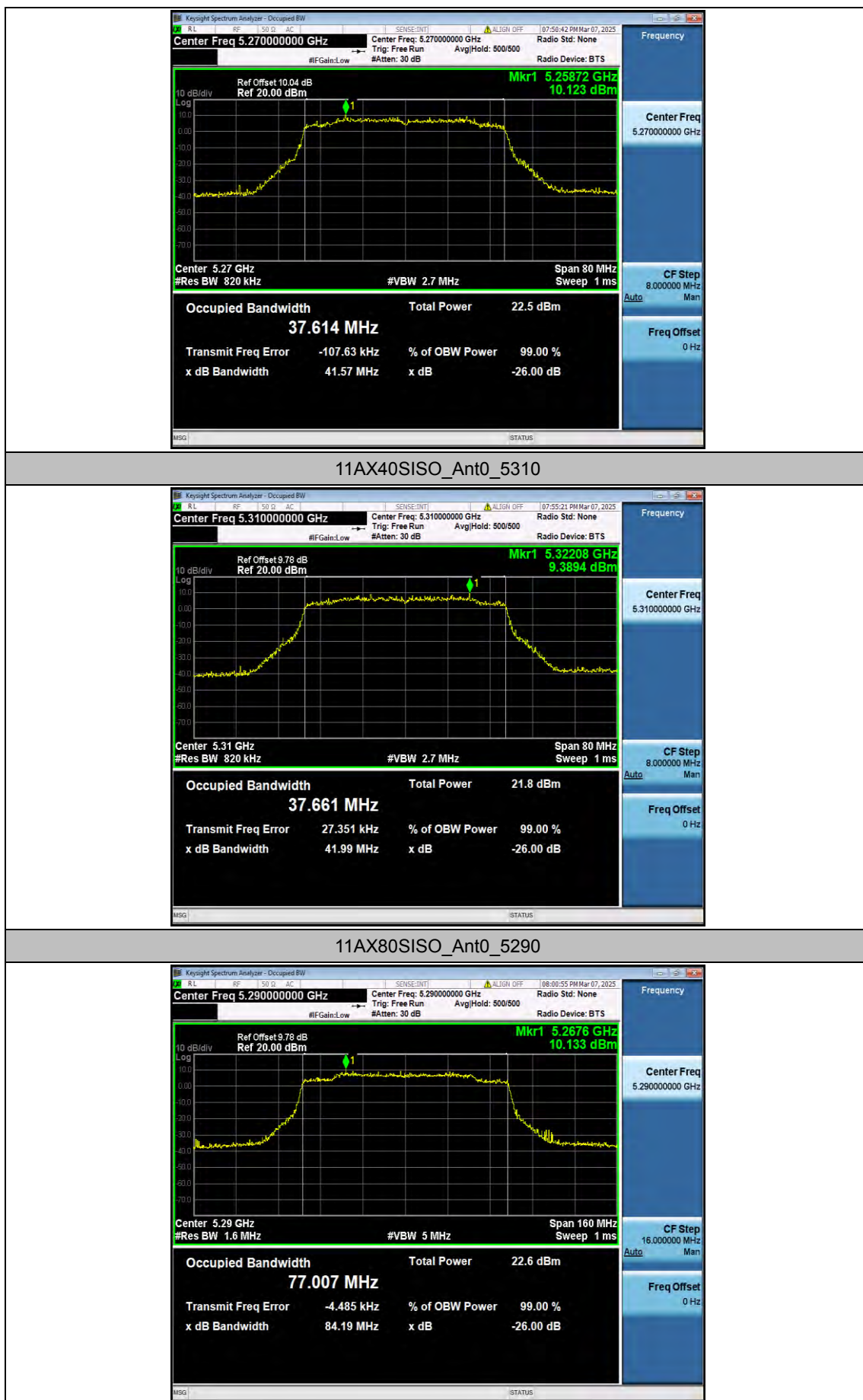
11AX20SISO_Ant0_5280



11AX20SISO_Ant0_5320



11AX40SISO_Ant0_5270



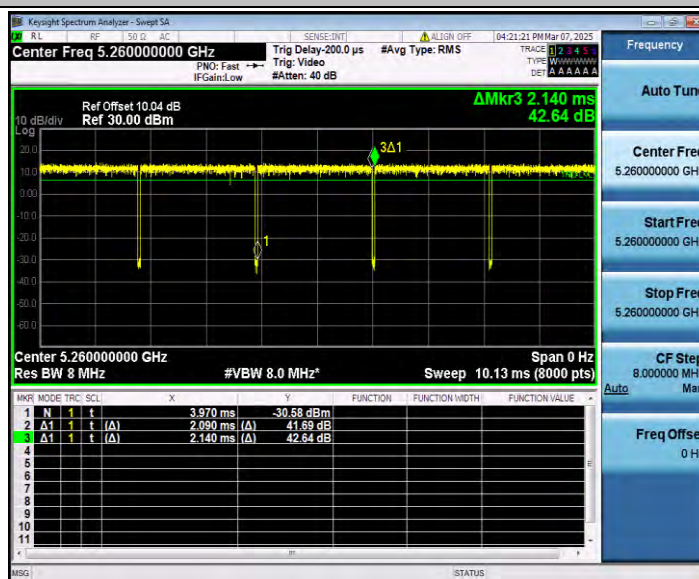
Appendix E.3: Duty Cycle

Test Result

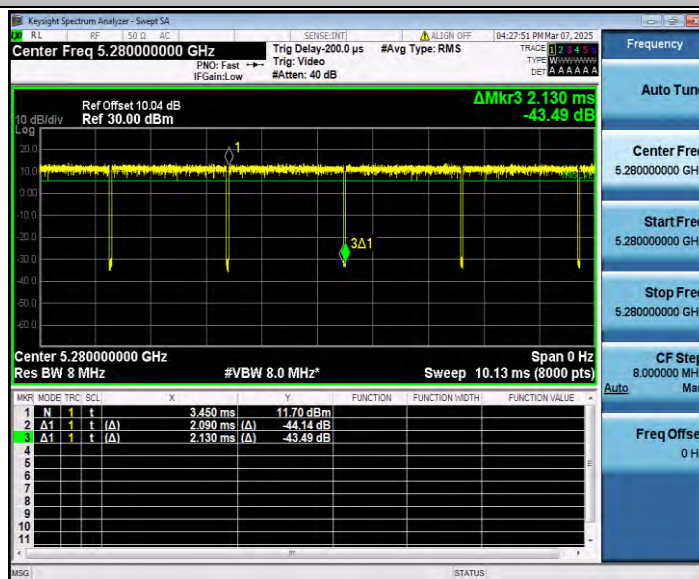
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant0	5260	2.09	2.14	97.66	0.10	0.48
		5280	2.09	2.13	98.12	0.08	0.48
		5320	2.08	2.13	97.65	0.10	0.48
11N20SISO	Ant0	5260	3.97	4.02	98.76	0.05	0.25
		5280	3.97	4.02	98.76	0.05	0.25
		5320	3.98	4.03	98.76	0.05	0.25
11N40SISO	Ant0	5270	3.98	4.02	99.00	0.04	0.25
		5310	3.97	4.02	98.76	0.05	0.25
11AC20SISO	Ant0	5260	3.94	3.99	98.75	0.05	0.25
		5280	3.95	4.00	98.75	0.05	0.25
		5320	3.95	4.00	98.75	0.05	0.25
11AC40SISO	Ant0	5270	3.96	4.01	98.75	0.05	0.25
		5310	3.96	4.01	98.75	0.05	0.25
11AC80SISO	Ant0	5290	3.97	4.02	98.76	0.05	0.25
11AX20SISO	Ant0	5260	3.98	4.03	98.76	0.05	0.25
		5280	3.99	4.03	99.01	0.04	0.25
		5320	3.98	4.03	98.76	0.05	0.25
11AX40SISO	Ant0	5270	3.99	4.03	99.01	0.04	0.25
		5310	3.99	4.03	99.01	0.04	0.25
11AX80SISO	Ant0	5290	3.98	4.03	98.76	0.05	0.25

Test Graphs

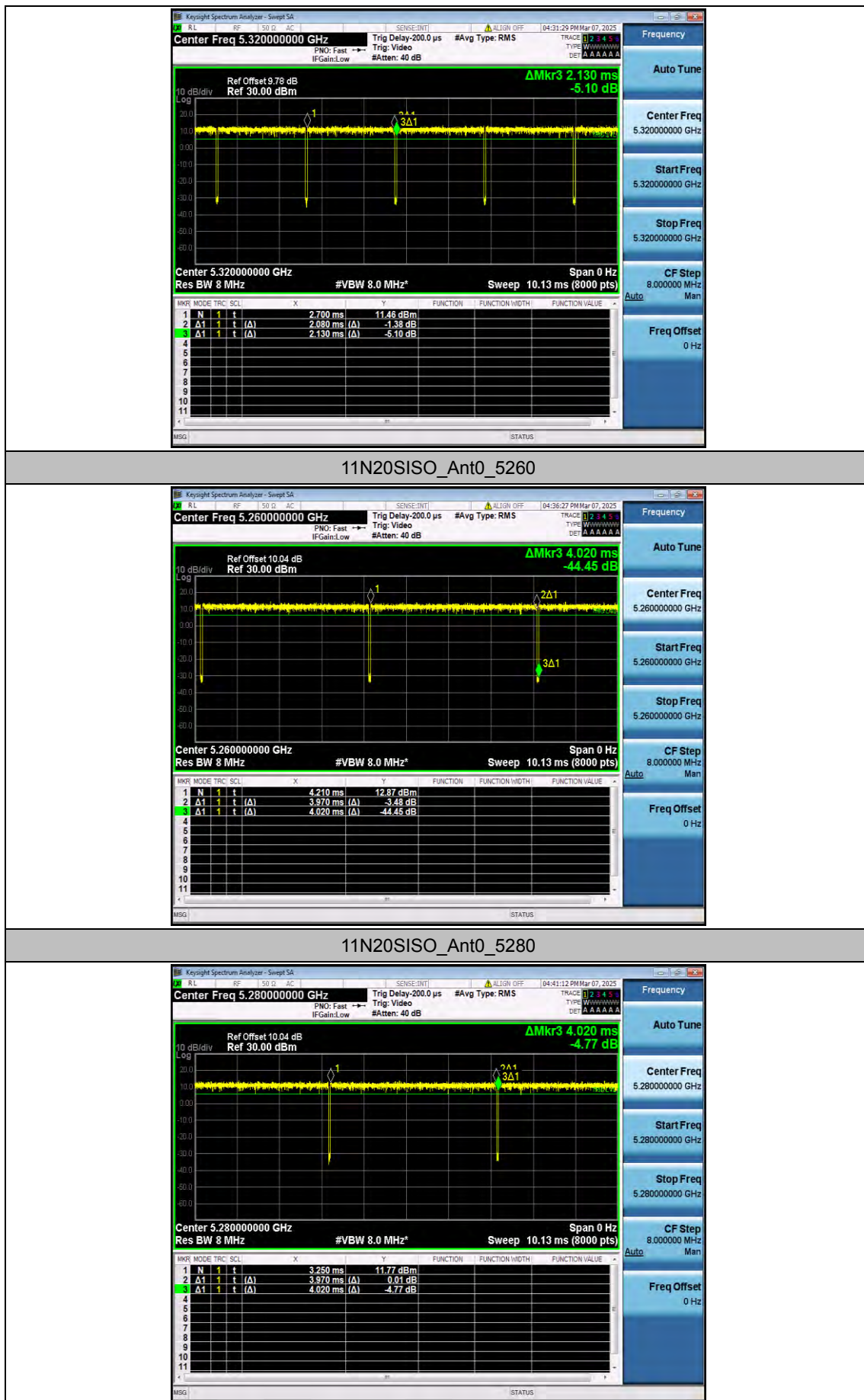
11A_Ant0_5260



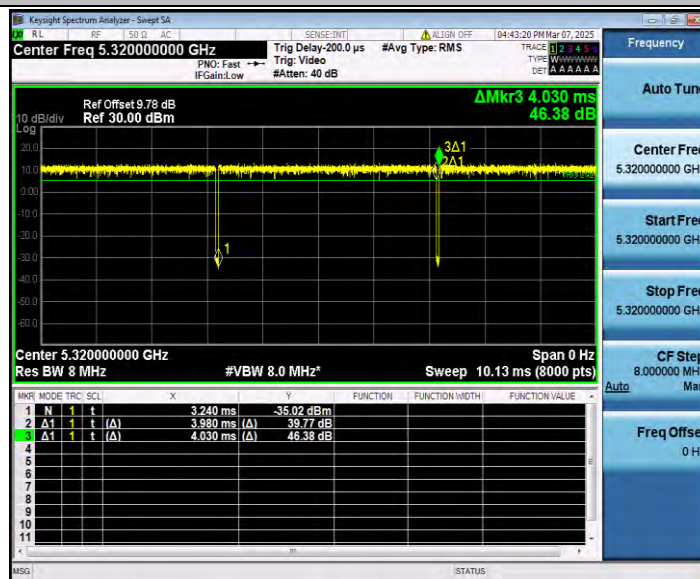
11A_Ant0_5280



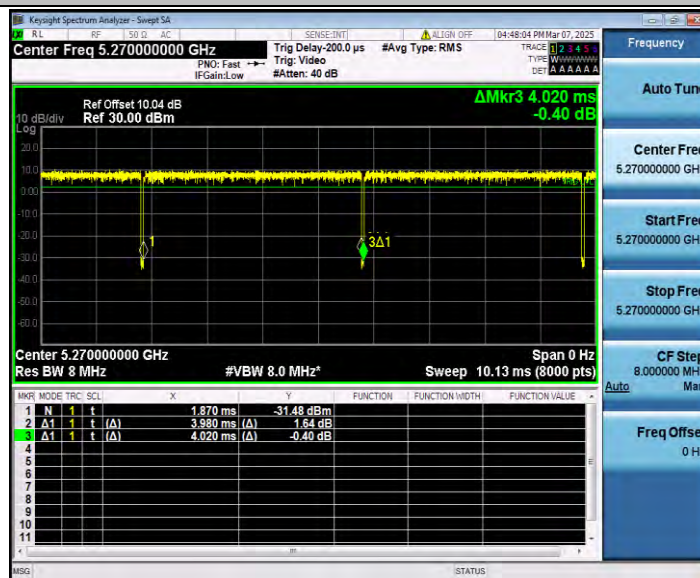
11A_Ant0_5320



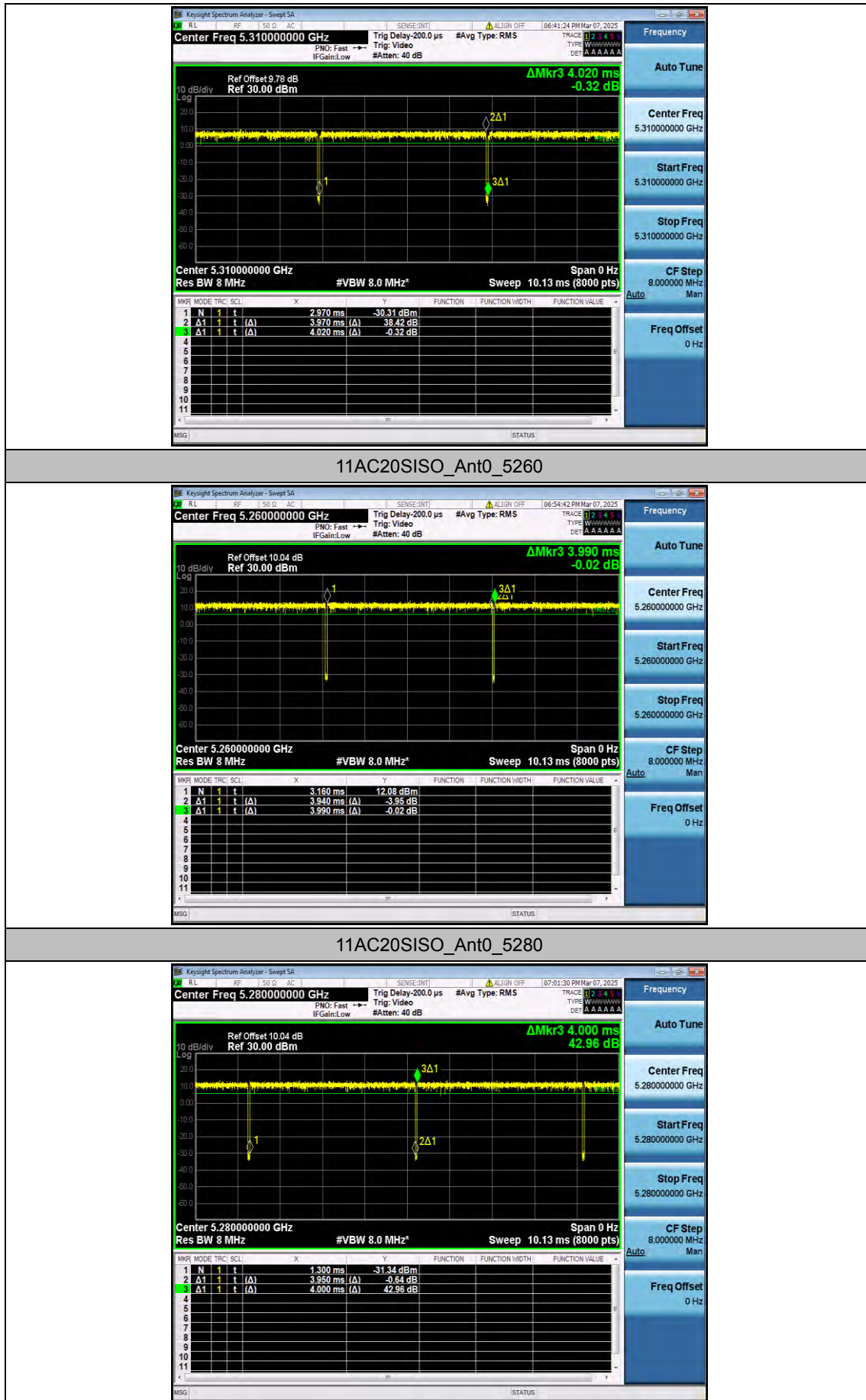
11N20SISO_Ant0_5320



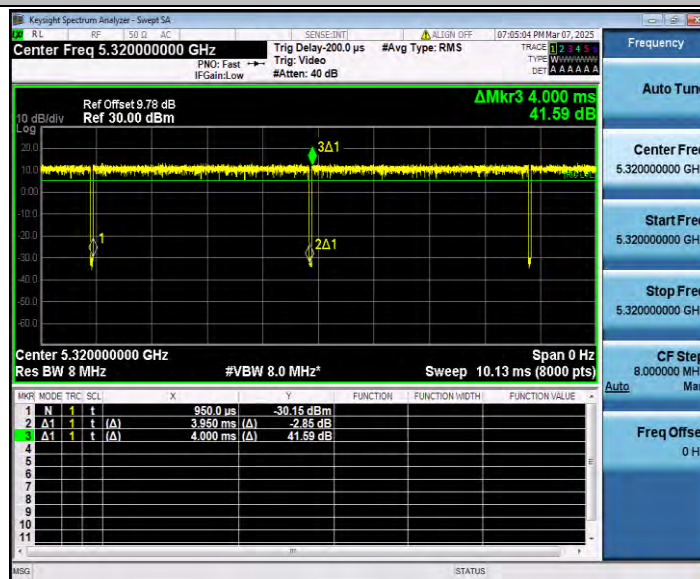
11N40SISO_Ant0_5270



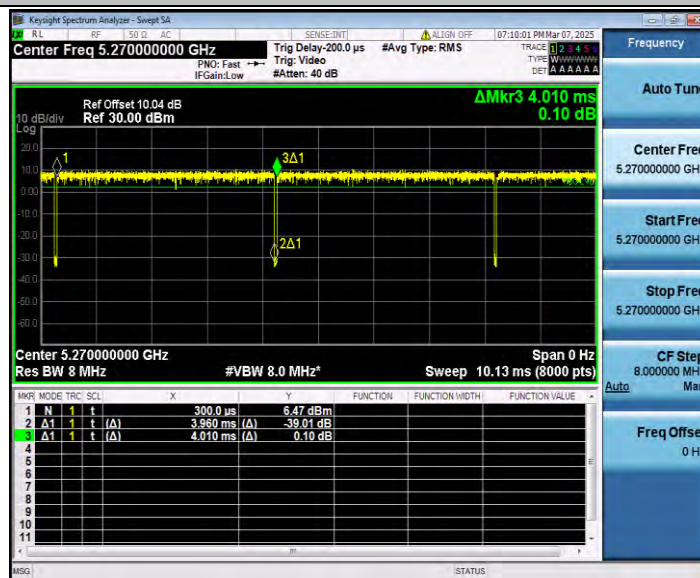
11N40SISO_Ant0_5310



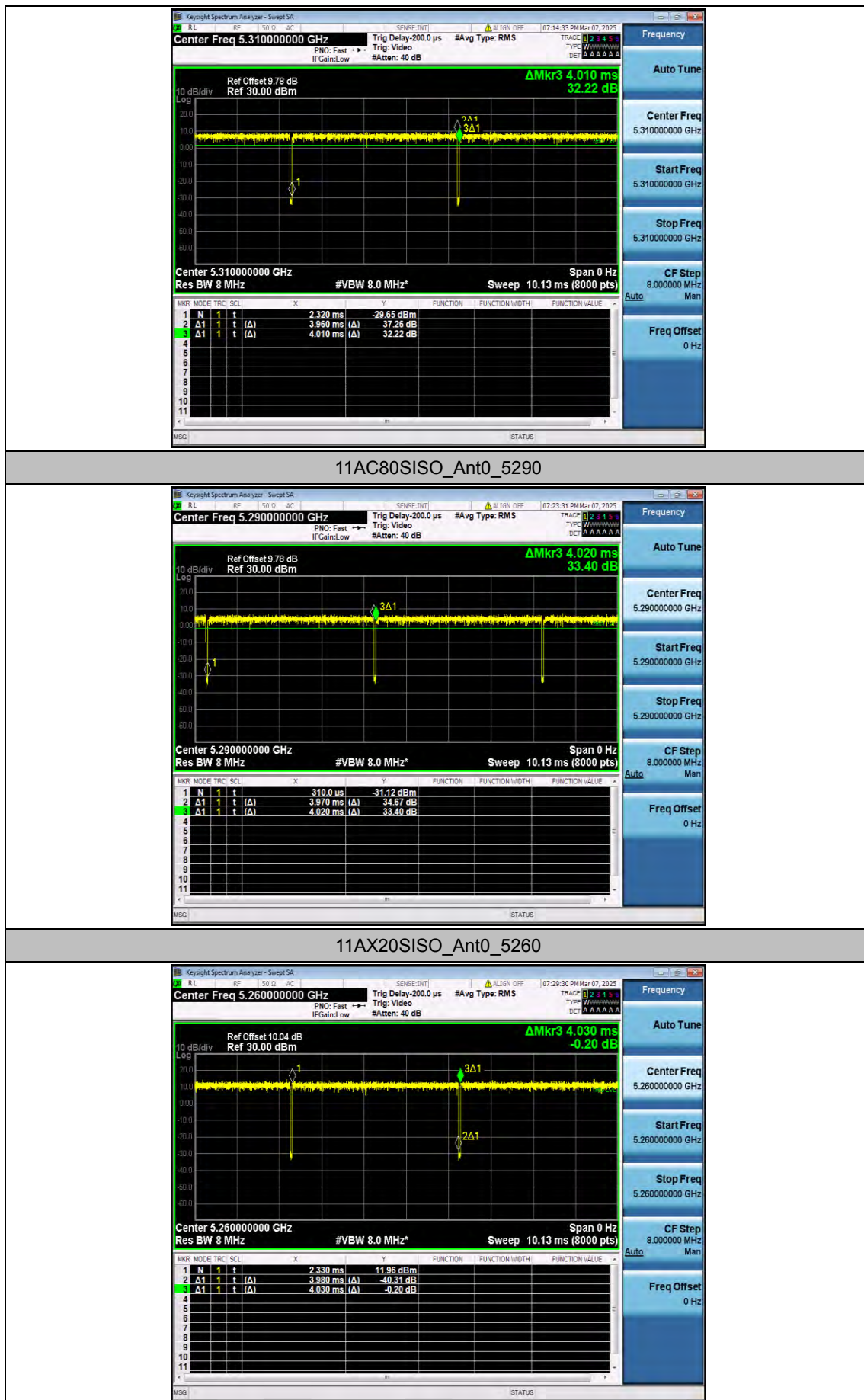
11AC20SISO_Ant0_5320



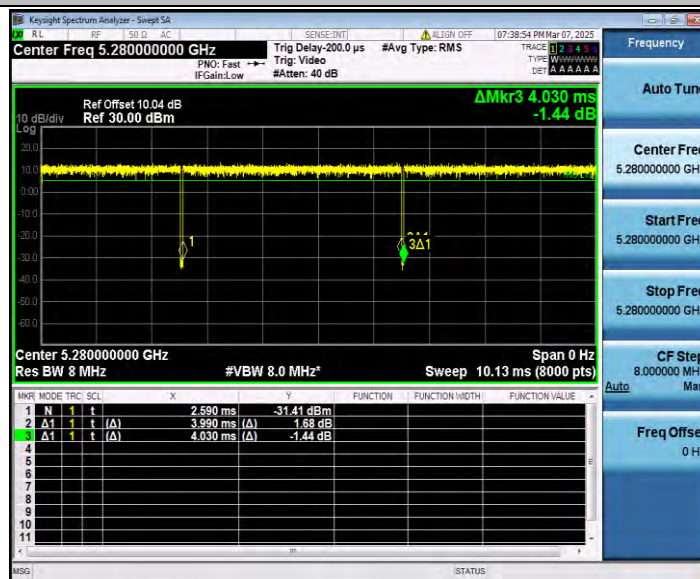
11AC40SISO_Ant0_5270



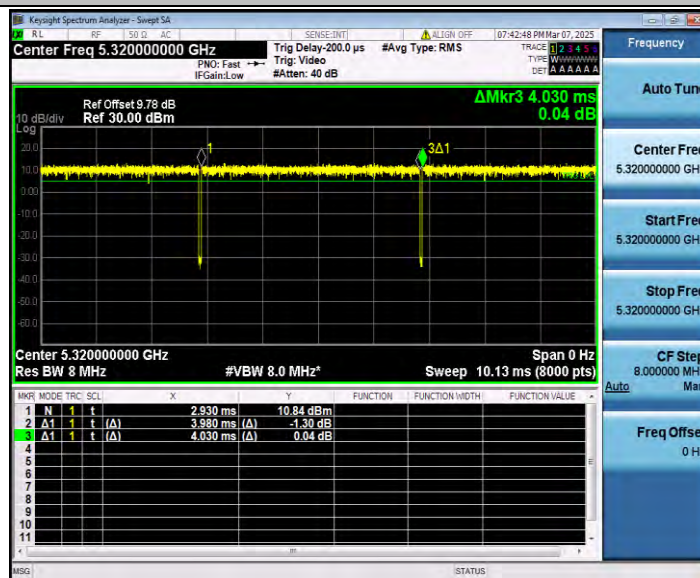
11AC40SISO_Ant0_5310



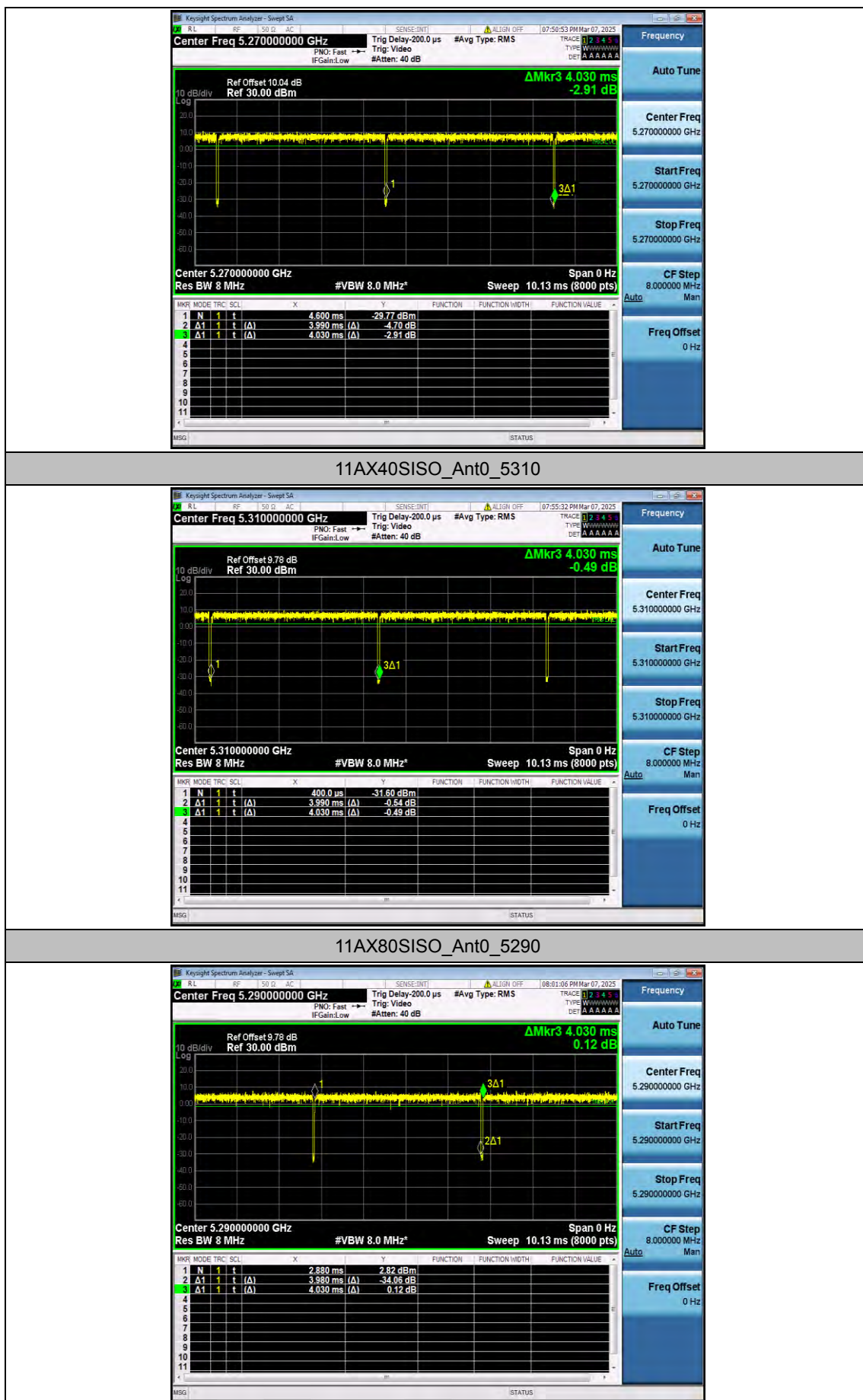
11AX20SISO_Ant0_5280



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	14.15	97.66	0.10	14.25	≤23.98	PASS
		5280	13.59	98.12	0.08	13.67	≤23.98	PASS
		5320	13.31	97.65	0.10	13.41	≤23.98	PASS
11N20SISO	Ant0	5260	14.09	98.76	0.05	14.14	≤23.98	PASS
		5280	13.60	98.76	0.05	13.65	≤23.98	PASS
		5320	13.26	98.76	0.05	13.31	≤23.98	PASS
11N40SISO	Ant0	5270	14.09	99.00	0.04	14.13	≤23.98	PASS
		5310	13.46	98.76	0.05	13.51	≤23.98	PASS
11AC20SISO	Ant0	5260	14.11	98.75	0.05	14.16	≤23.98	PASS
		5280	13.55	98.75	0.05	13.60	≤23.98	PASS
		5320	13.24	98.75	0.05	13.29	≤23.98	PASS
11AC40SISO	Ant0	5270	13.99	98.75	0.05	14.04	≤23.98	PASS
		5310	13.38	98.75	0.05	13.43	≤23.98	PASS
11AC80SISO	Ant0	5290	13.87	98.76	0.05	13.92	≤23.98	PASS
11AX20SISO	Ant0	5260	13.85	98.76	0.05	13.90	≤23.98	PASS
		5280	13.26	99.01	0.04	13.30	≤23.98	PASS
		5320	13.20	98.76	0.05	13.25	≤23.98	PASS
11AX40SISO	Ant0	5270	13.72	99.01	0.04	13.76	≤23.98	PASS
		5310	13.11	99.01	0.04	13.15	≤23.98	PASS
11AX80SISO	Ant0	5290	13.44	98.76	0.05	13.49	≤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	3.48	≤11.00	PASS
		5280	2.98	≤11.00	PASS
		5320	2.68	≤11.00	PASS
11N20SISO	Ant0	5260	3.14	≤11.00	PASS
		5280	2.64	≤11.00	PASS
		5320	2.32	≤11.00	PASS
11N40SISO	Ant0	5270	0.07	≤11.00	PASS
		5310	-0.85	≤11.00	PASS
11AC20SISO	Ant0	5260	3.14	≤11.00	PASS
		5280	2.61	≤11.00	PASS
		5320	2.27	≤11.00	PASS
11AC40SISO	Ant0	5270	-0.08	≤11.00	PASS
		5310	-0.98	≤11.00	PASS
11AC80SISO	Ant0	5290	-3.49	≤11.00	PASS
11AX20SISO	Ant0	5260	2.65	≤11.00	PASS
		5280	2.16	≤11.00	PASS
		5320	1.80	≤11.00	PASS
11AX40SISO	Ant0	5270	-0.53	≤11.00	PASS
		5310	-1.42	≤11.00	PASS
11AX80SISO	Ant0	5290	-3.80	≤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



11A_Ant0_5280



11A_Ant0_5320



11N20SISO_Ant0_5260



11N20SISO_Ant0_5280



11N20SISO_Ant0_5320



11N40SISO_Ant0_5270



11N40SISO_Ant0_5310



11AC20SISO_Ant0_5260



11AC20SISO_Ant0_5280



11AC20SISO_Ant0_5320



11AC40SISO_Ant0_5270



11AC40SISO_Ant0_5310



11AX20SISO_Ant0_5280



11AX20SISO_Ant0_5320



11AX40SISO_Ant0_5270

