

Case No. : <u>GTS20250219002-1-06</u>	
Ambient Condition: <u>22</u> °C, <u>53</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.3.17</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	Ant1	5260	26.520	5247.080	5273.600	---	---
		5280	27.560	5267.680	5295.240	---	---
		5320	26.440	5307.240	5333.680	---	---
11N20SISO	Ant1	5260	26.680	5246.520	5273.200	---	---
		5280	25.600	5267.320	5292.920	---	---
		5320	26.560	5306.240	5332.800	---	---
11N40SISO	Ant1	5270	46.480	5246.640	5293.120	---	---
		5310	45.280	5287.280	5332.560	---	---
11AC20SISO	Ant1	5260	26.040	5246.640	5272.680	---	---
		5280	27.840	5267.160	5295.000	---	---
		5320	27.480	5306.320	5333.800	---	---
11AC40SISO	Ant1	5270	52.400	5246.560	5298.960	---	---
		5310	45.760	5287.040	5332.800	---	---
11AC80SISO	Ant1	5290	106.400	5236.560	5342.960	---	---
11AX20SISO	Ant1	5260	27.600	5246.240	5273.840	---	---
		5280	25.960	5267.360	5293.320	---	---
		5320	25.840	5307.240	5333.080	---	---
11AX40SISO	Ant1	5270	47.840	5246.560	5294.400	---	---
		5310	44.320	5287.760	5332.080	---	---
11AX80SISO	Ant1	5290	88.320	5246.960	5335.280	---	---

Test Graphs

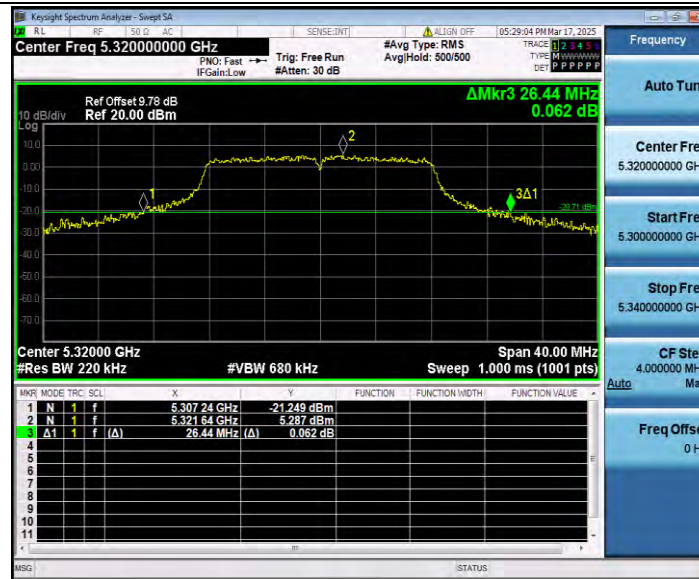
11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320



11N20SISO_Ant1_5260



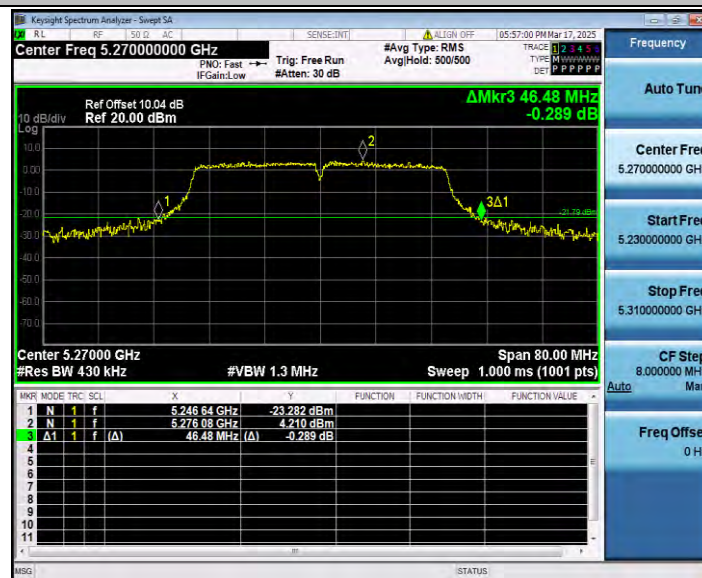
11N20SISO_Ant1_5280



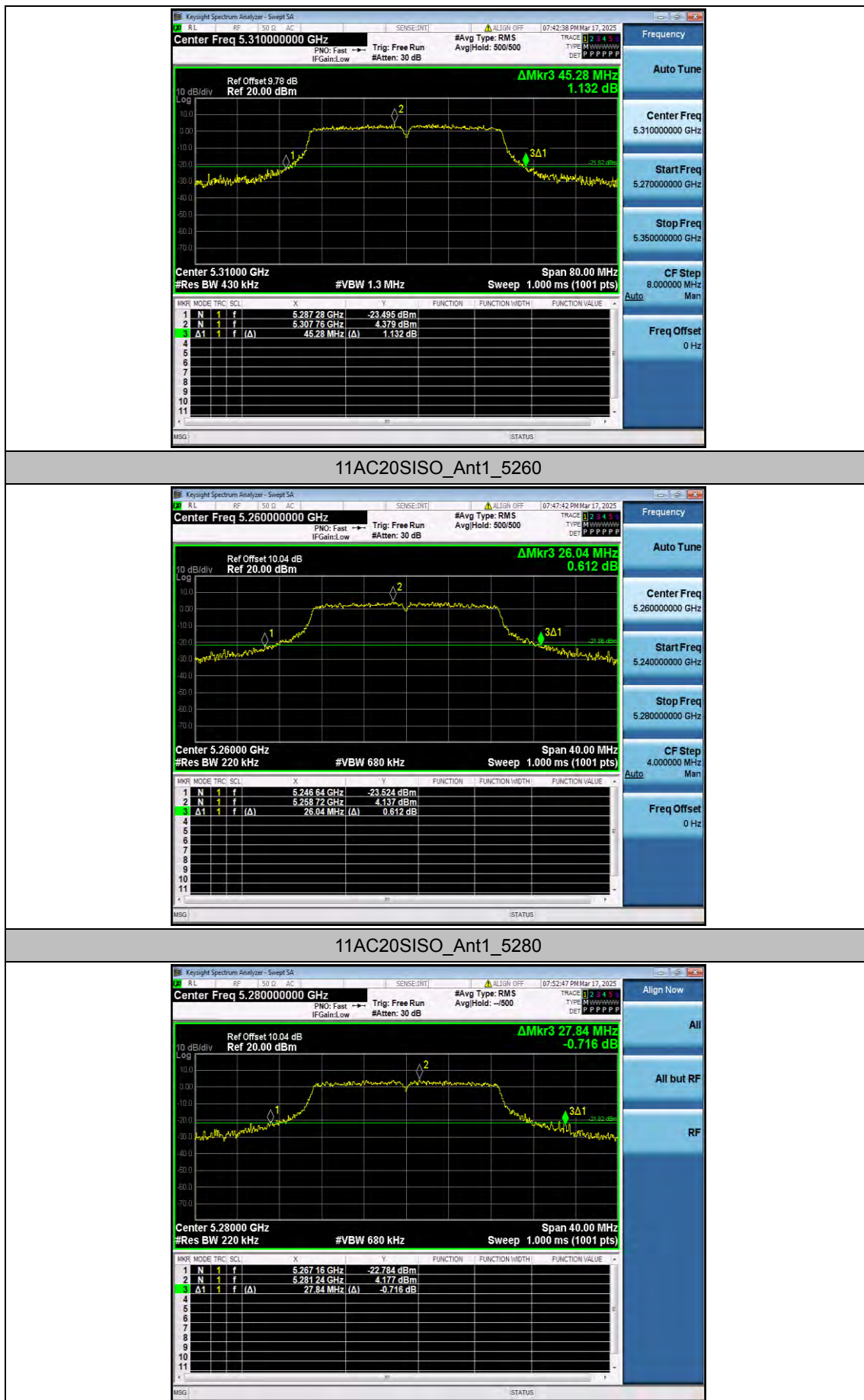
11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



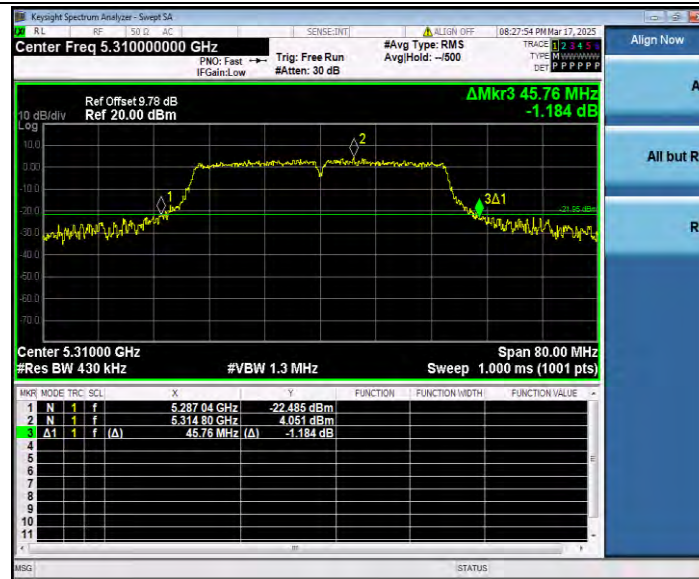
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



11AX20SISO_Ant1_5260



11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



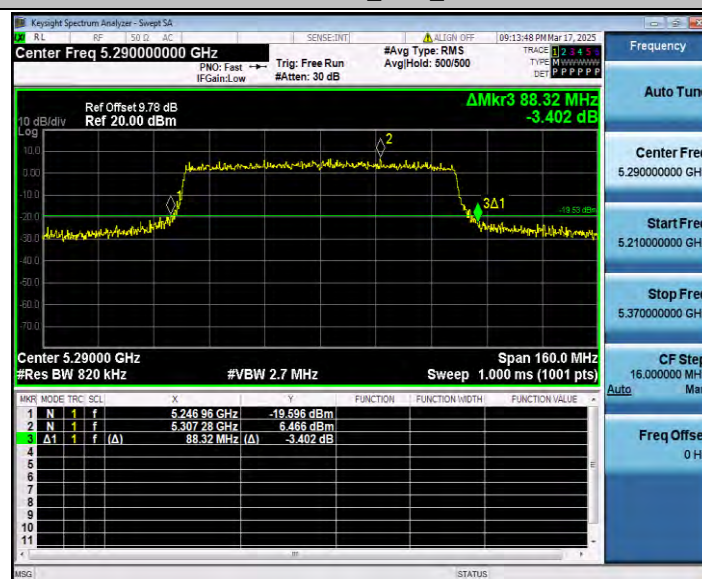
11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



11AX80SISO_Ant1_5290

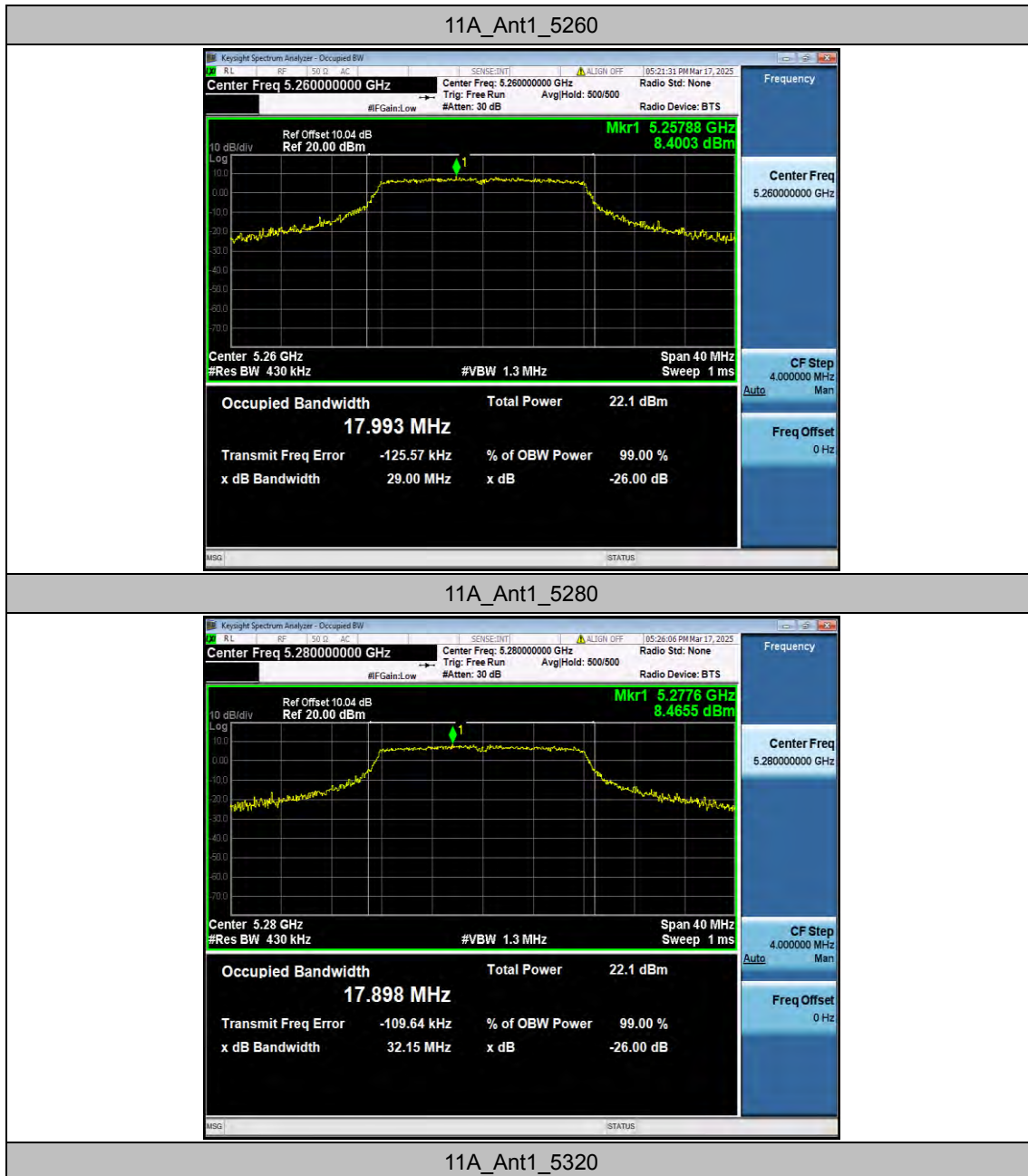


Appendix E.2: Occupied channel bandwidth

Test Result

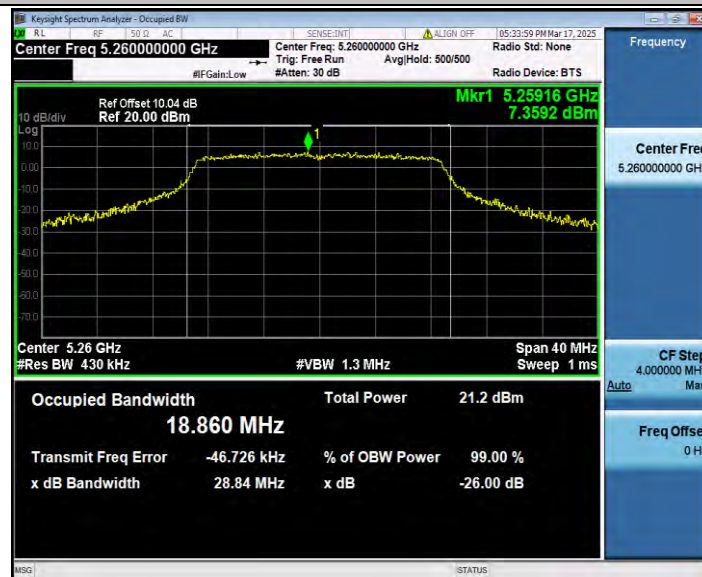
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	17.993	5250.8779	5268.8709	---	---
		5280	17.898	5270.9414	5288.8394	---	---
		5320	17.943	5310.9868	5328.9298	---	---
11N20SISO	Ant1	5260	18.860	5250.5233	5269.3833	---	---
		5280	18.808	5270.5829	5289.3909	---	---
		5320	18.774	5310.5664	5329.3404	---	---
11N40SISO	Ant1	5270	37.448	5251.2705	5288.7185	---	---
		5310	37.375	5291.3215	5328.6965	---	---
11AC20SISO	Ant1	5260	18.897	5250.4687	5269.3657	---	---
		5280	18.805	5270.6077	5289.4127	---	---
		5320	18.853	5310.5558	5329.4088	---	---
11AC40SISO	Ant1	5270	37.527	5251.2575	5288.7845	---	---
		5310	37.457	5291.2725	5328.7295	---	---
11AC80SISO	Ant1	5290	76.777	5251.6242	5328.4012	---	---
11AX20SISO	Ant1	5260	19.536	5250.2414	5269.7774	---	---
		5280	19.532	5270.2252	5289.7572	---	---
		5320	19.432	5310.2795	5329.7115	---	---
11AX40SISO	Ant1	5270	38.417	5250.7226	5289.1396	---	---
		5310	38.322	5290.8152	5329.1372	---	---
11AX80SISO	Ant1	5290	77.870	5251.0681	5328.9381	---	---

Test Graphs

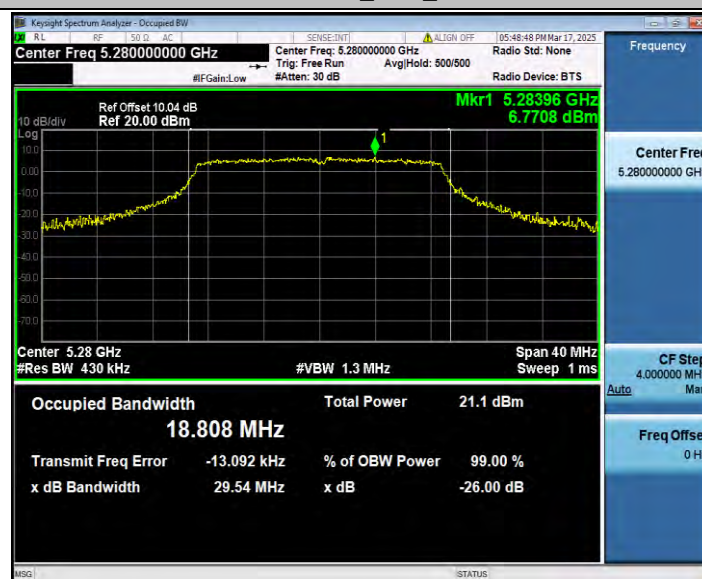




11N20SISO_Ant1_5260



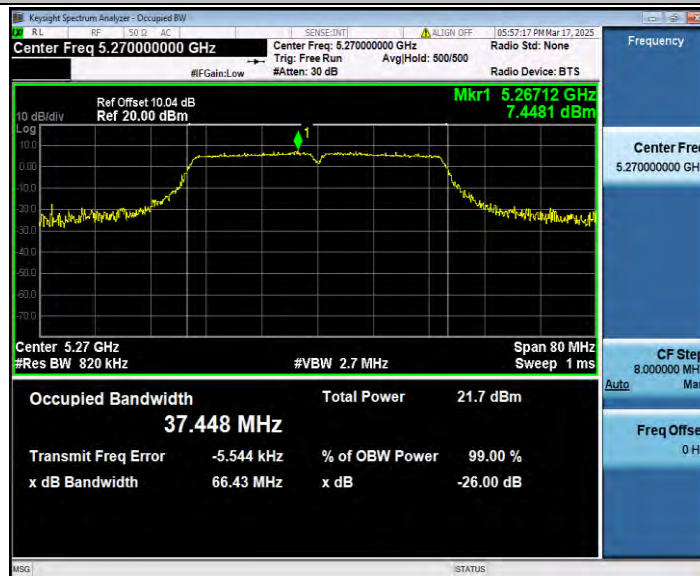
11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



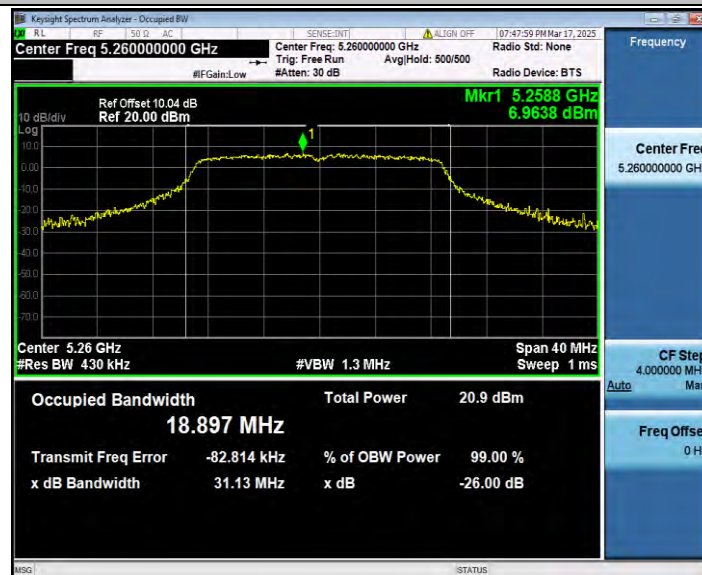
11N40SISO_Ant1_5270



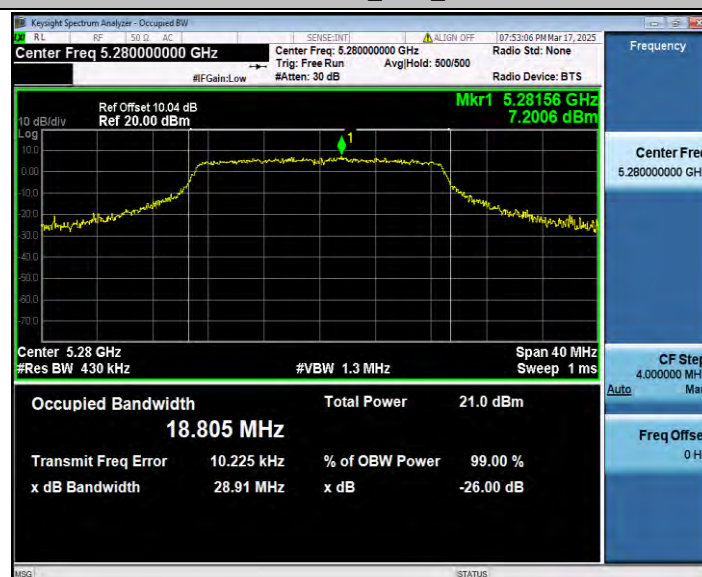
11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



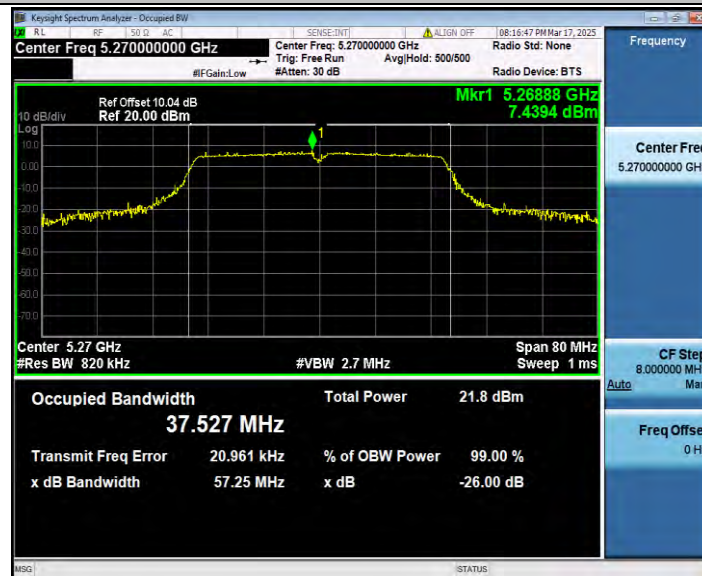
11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



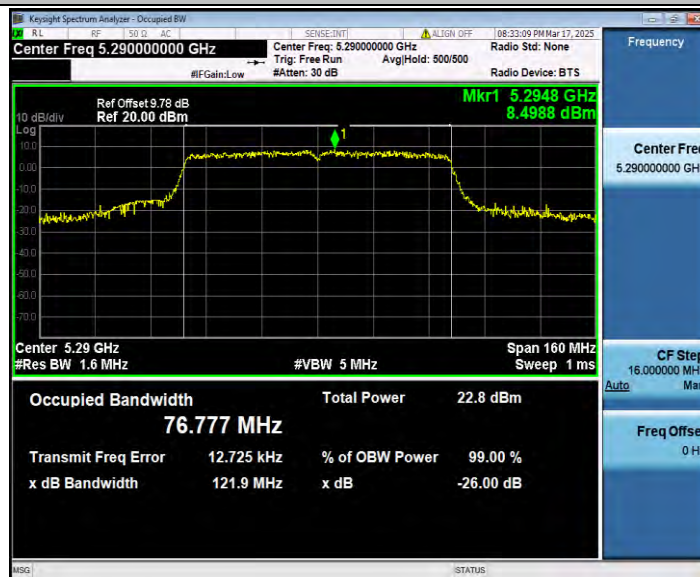
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



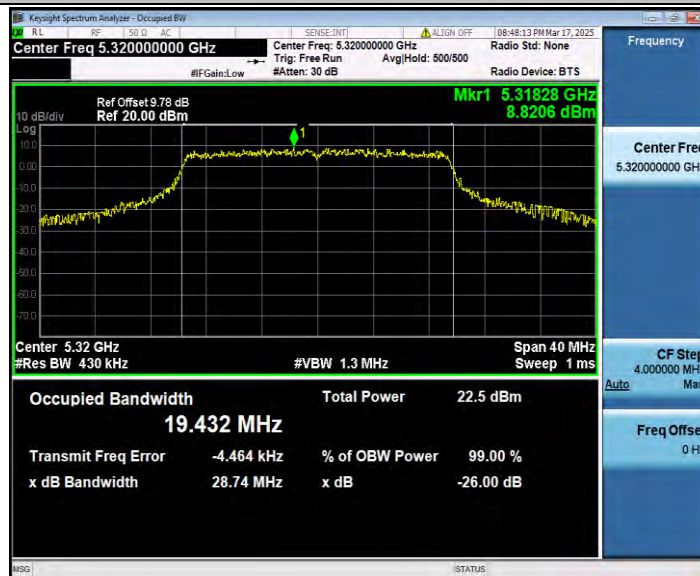
11AX20SISO_Ant1_5260



11AX20SISO_Ant1_5280



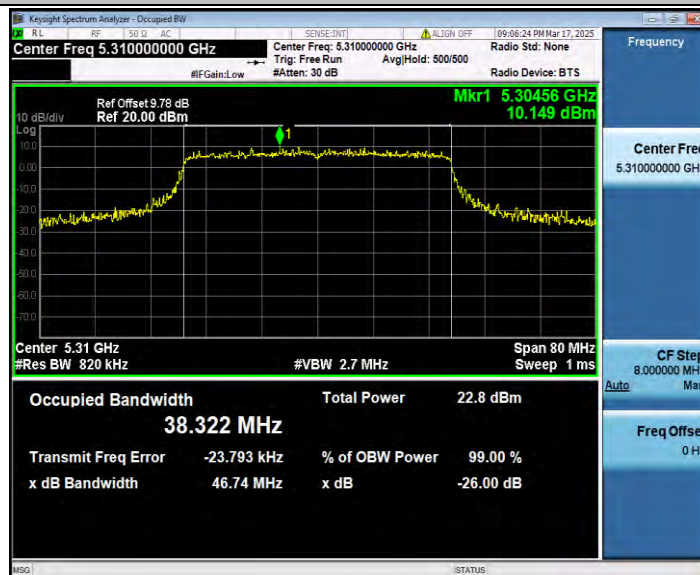
11AX20SISO_Ant1_5320



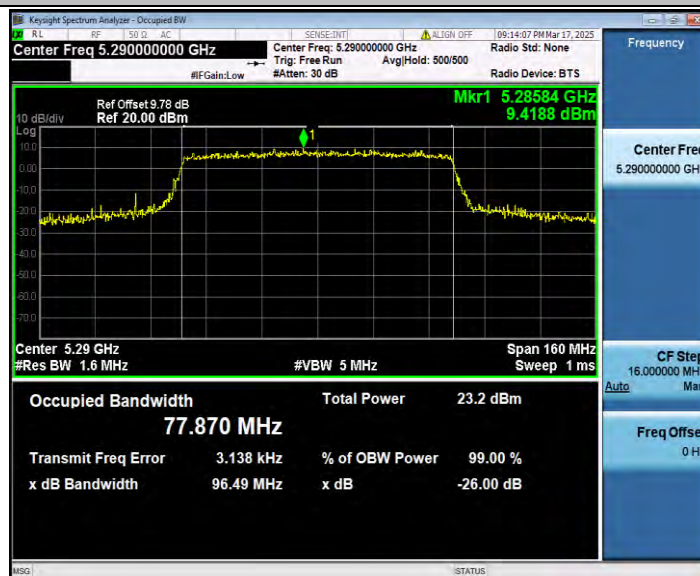
11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



11AX80SISO_Ant1_5290

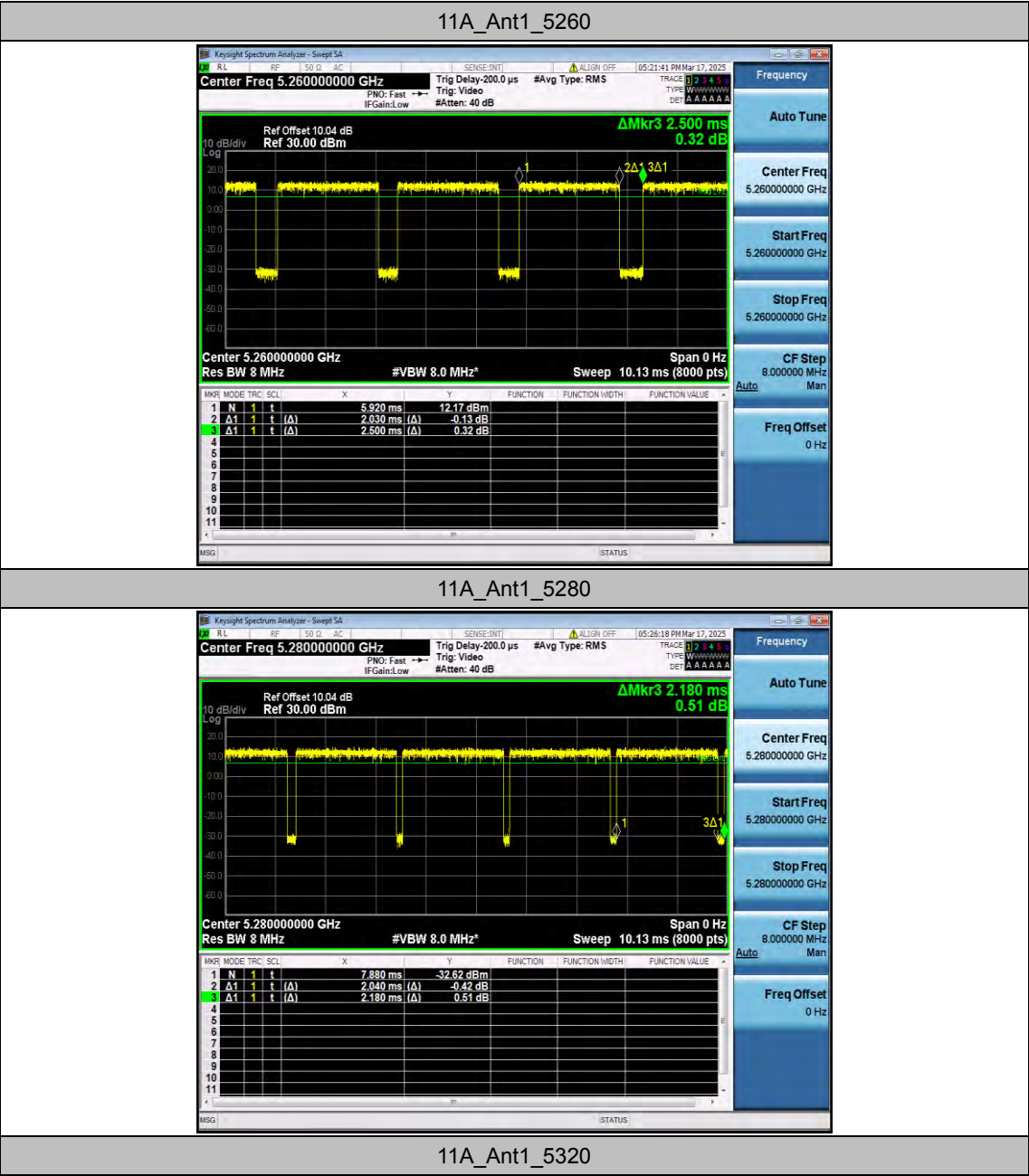


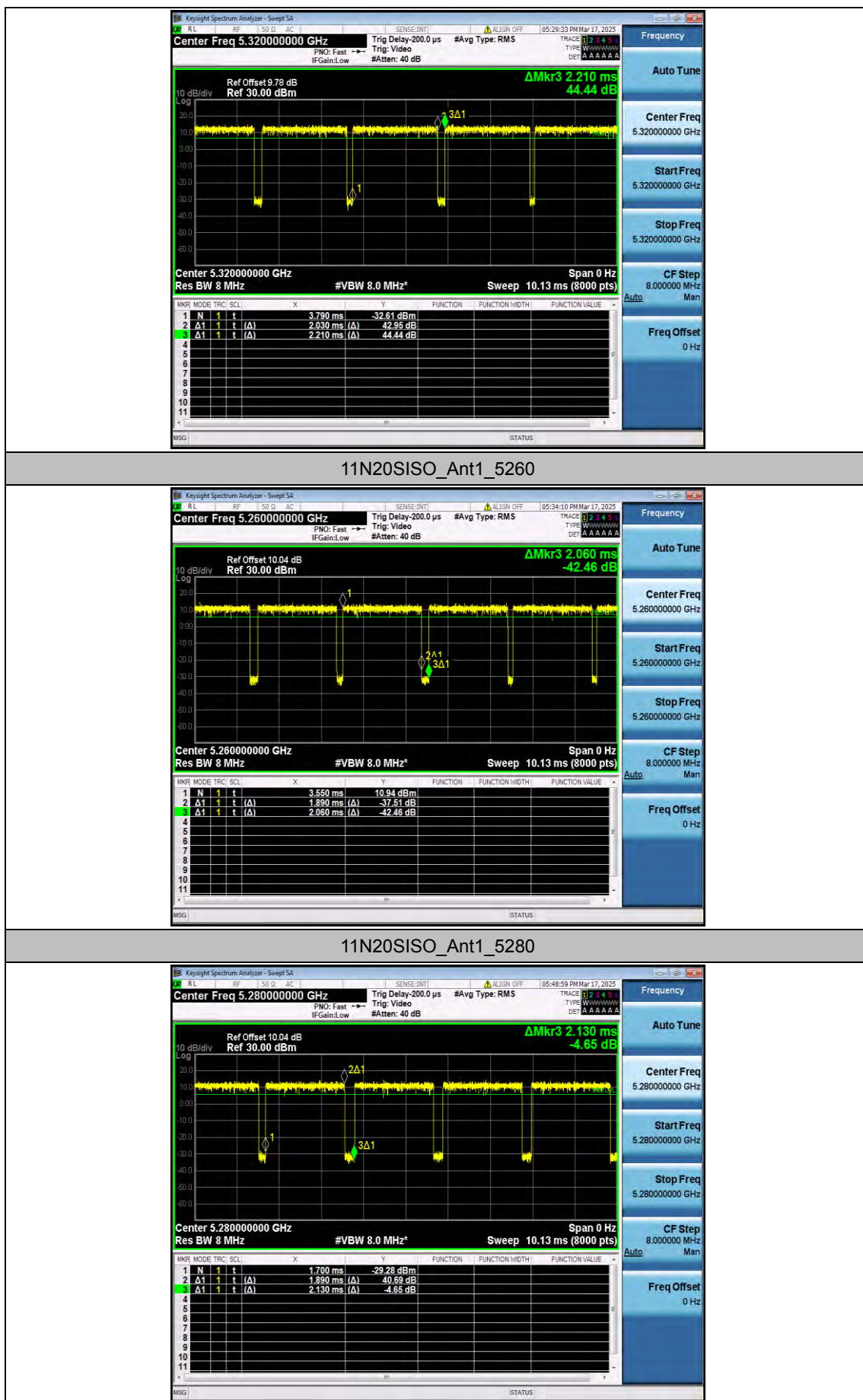
Appendix E.3: Duty Cycle

Test Result

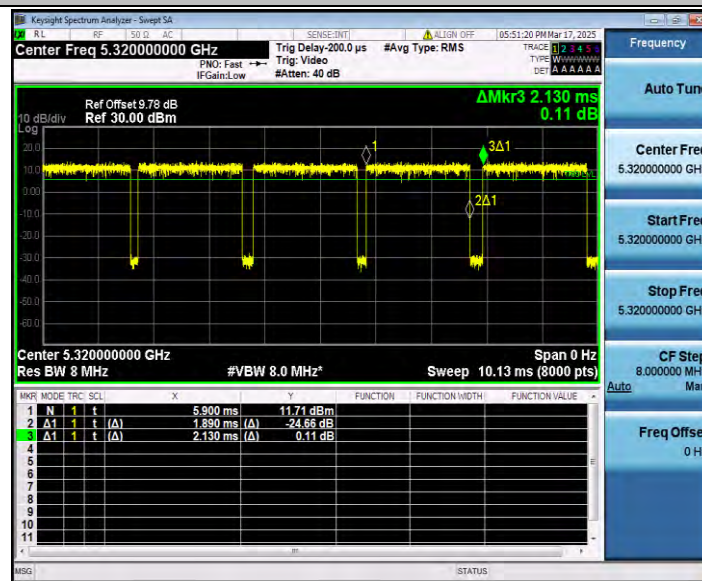
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5260	2.03	2.50	81.20	0.90	0.49
		5280	2.04	2.18	93.58	0.29	0.49
		5320	2.03	2.21	91.86	0.37	0.49
11N20SISO	Ant1	5260	1.89	2.06	91.75	0.37	0.53
		5280	1.89	2.13	88.73	0.52	0.53
		5320	1.89	2.13	88.73	0.52	0.53
11N40SISO	Ant1	5270	0.93	1.14	81.58	0.88	1.08
		5310	0.93	1.17	79.49	1.00	1.08
11AC20SISO	Ant1	5260	1.90	2.07	91.79	0.37	0.53
		5280	1.90	2.09	90.91	0.41	0.53
		5320	1.90	2.33	81.55	0.89	0.53
11AC40SISO	Ant1	5270	0.94	1.12	83.93	0.76	1.06
		5310	0.94	1.17	80.34	0.95	1.06
11AC80SISO	Ant1	5290	0.46	0.62	74.19	1.30	2.17
11AX20SISO	Ant1	5260	1.46	1.93	75.65	1.21	0.68
		5280	1.46	1.70	85.88	0.66	0.68
		5320	1.46	1.64	89.02	0.51	0.68
11AX40SISO	Ant1	5270	0.77	1.00	77.00	1.14	1.30
		5310	0.76	1.00	76.00	1.19	1.32
11AX80SISO	Ant1	5290	0.39	0.86	45.35	3.43	2.56

Test Graphs

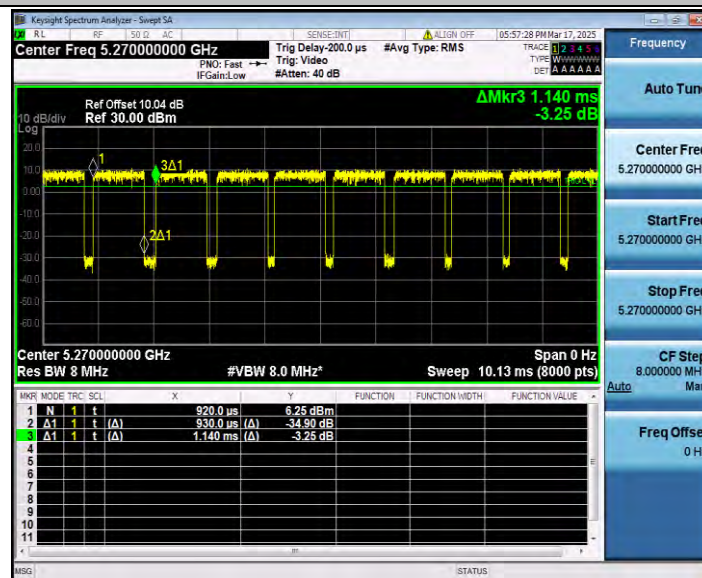




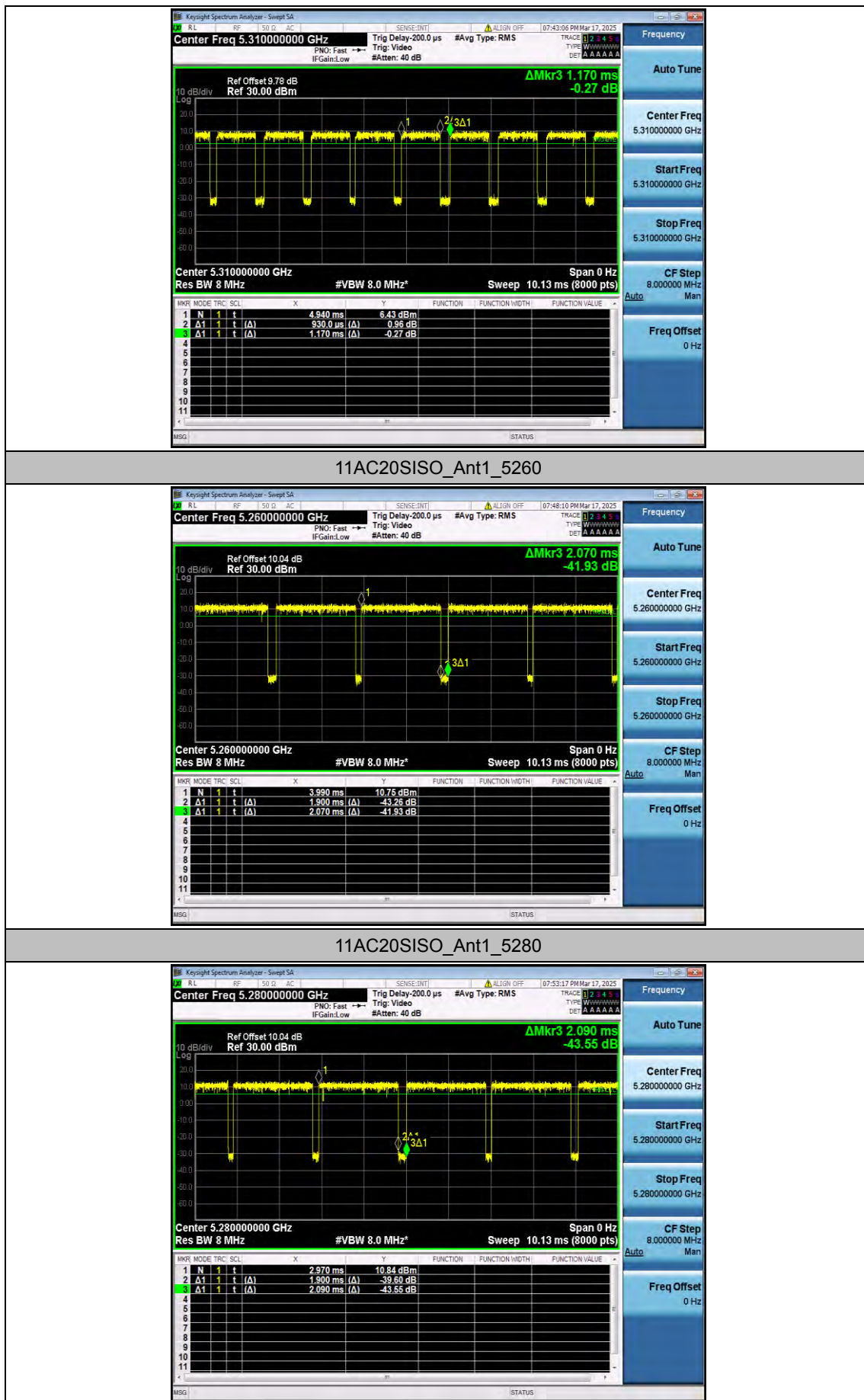
11N20SISO_Ant1_5320



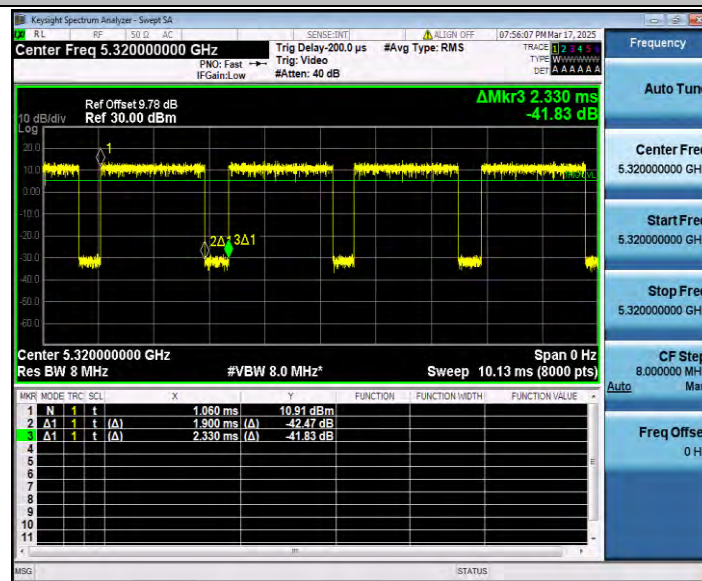
11N40SISO_Ant1_5270



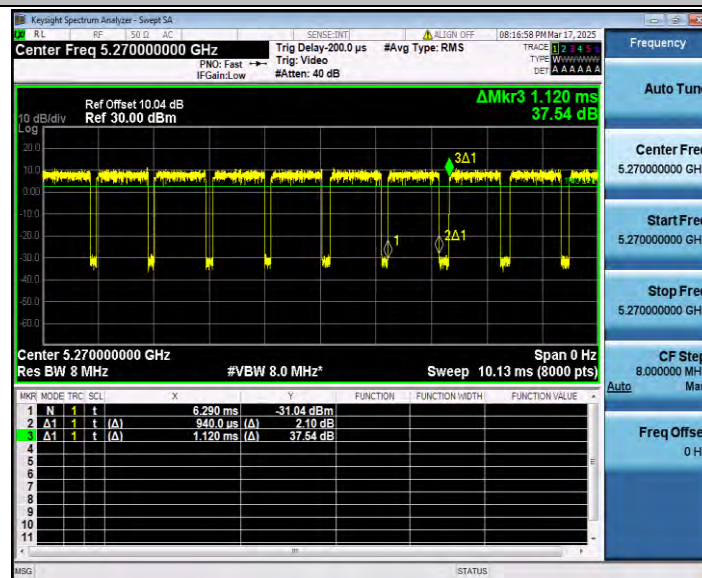
11N40SISO_Ant1_5310



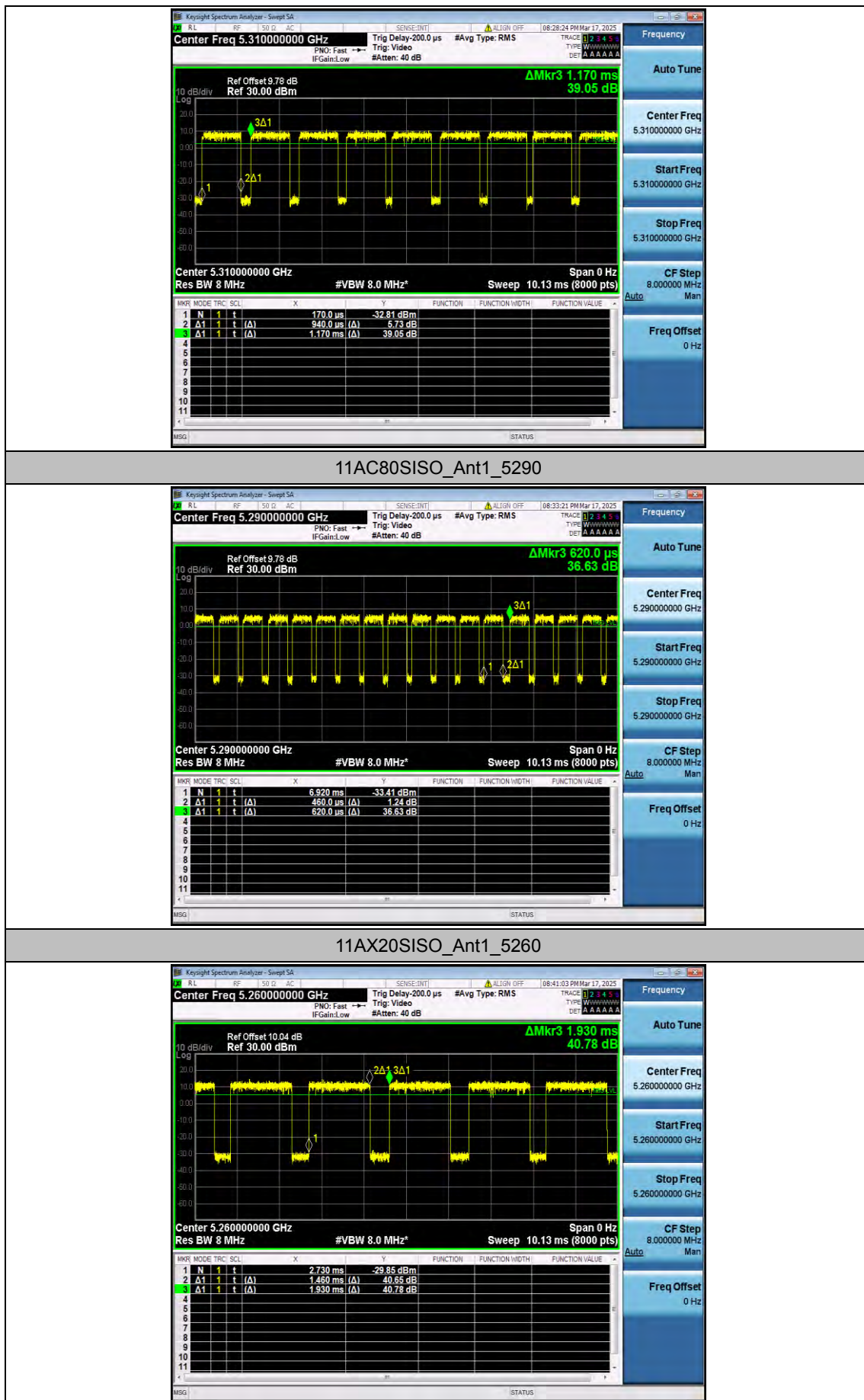
11AC20SISO_Ant1_5320



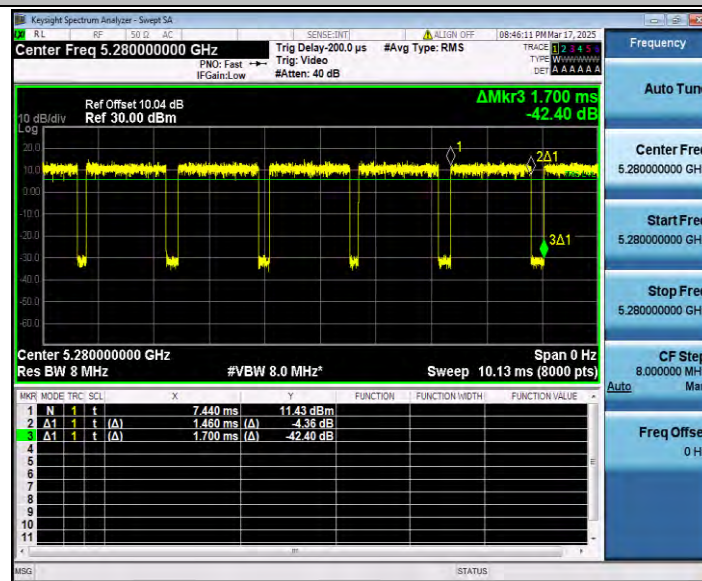
11AC40SISO_Ant1_5270



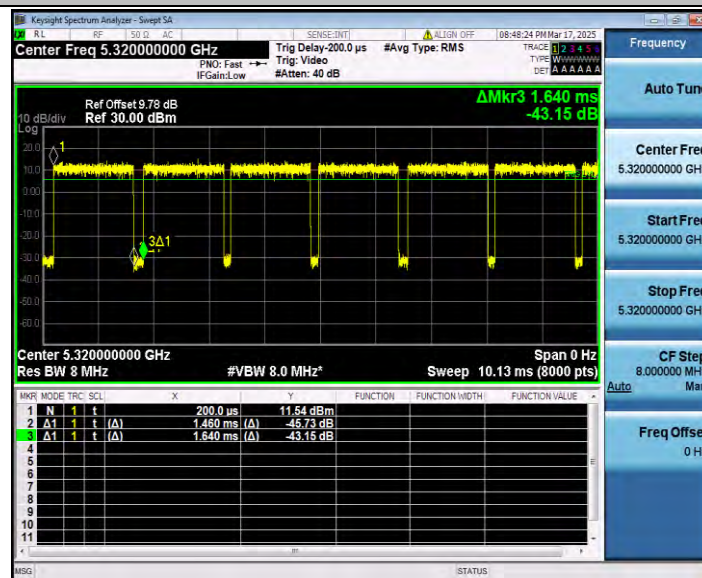
11AC40SISO_Ant1_5310



11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



11AX40SISO_Ant1_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	Ant1	5260	14.59	81.20	0.90	15.49	≤23.98	PASS
		5280	14.88	93.58	0.29	15.17	≤23.98	PASS
		5320	14.71	91.86	0.37	15.08	≤23.98	PASS
11N20SISO	Ant1	5260	14.00	91.75	0.37	14.37	≤23.98	PASS
		5280	13.91	88.73	0.52	14.43	≤23.98	PASS
		5320	14.00	88.73	0.52	14.52	≤23.98	PASS
11N40SISO	Ant1	5270	13.49	81.58	0.88	14.37	≤23.98	PASS
		5310	13.57	79.49	1.00	14.57	≤23.98	PASS
11AC20SISO	Ant1	5260	13.82	91.79	0.37	14.19	≤23.98	PASS
		5280	13.63	90.91	0.41	14.04	≤23.98	PASS
		5320	13.67	81.55	0.89	14.56	≤23.98	PASS
11AC40SISO	Ant1	5270	12.96	83.93	0.76	13.72	≤23.98	PASS
		5310	13.38	80.34	0.95	14.33	≤23.98	PASS
11AC80SISO	Ant1	5290	12.37	74.19	1.30	13.67	≤23.98	PASS
11AX20SISO	Ant1	5260	13.43	75.65	1.21	14.64	≤23.98	PASS
		5280	13.76	85.88	0.66	14.42	≤23.98	PASS
		5320	13.82	89.02	0.51	14.33	≤23.98	PASS
11AX40SISO	Ant1	5270	12.80	77.00	1.14	13.94	≤23.98	PASS
		5310	12.35	76.00	1.19	13.54	≤23.98	PASS
11AX80SISO	Ant1	5290	11.25	45.35	3.43	14.68	≤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	4.62	≤11.00	PASS
		5280	4.04	≤11.00	PASS
		5320	4.08	≤11.00	PASS
11N20SISO	Ant1	5260	3.01	≤11.00	PASS
		5280	3.19	≤11.00	PASS
		5320	3.31	≤11.00	PASS
11N40SISO	Ant1	5270	0.29	≤11.00	PASS
		5310	0.43	≤11.00	PASS
11AC20SISO	Ant1	5260	2.83	≤11.00	PASS
		5280	2.93	≤11.00	PASS
		5320	3.43	≤11.00	PASS
11AC40SISO	Ant1	5270	0.31	≤11.00	PASS
		5310	0.29	≤11.00	PASS
11AC80SISO	Ant1	5290	-2.74	≤11.00	PASS
11AX20SISO	Ant1	5260	3.62	≤11.00	PASS
		5280	3.02	≤11.00	PASS
		5320	2.86	≤11.00	PASS
11AX40SISO	Ant1	5270	-0.55	≤11.00	PASS
		5310	0.08	≤11.00	PASS
11AX80SISO	Ant1	5290	-1.09	≤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



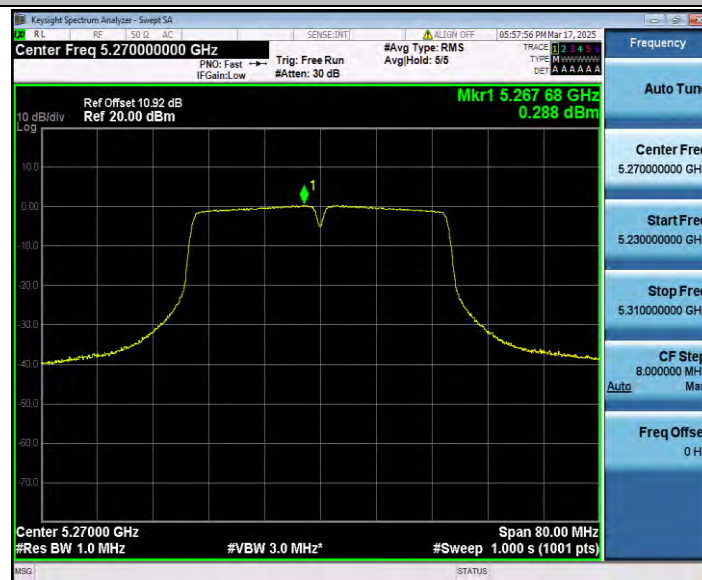
11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



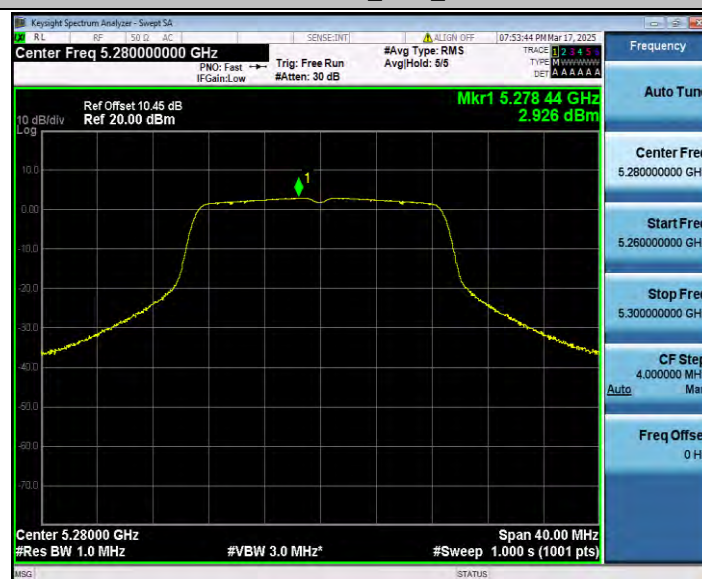
11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



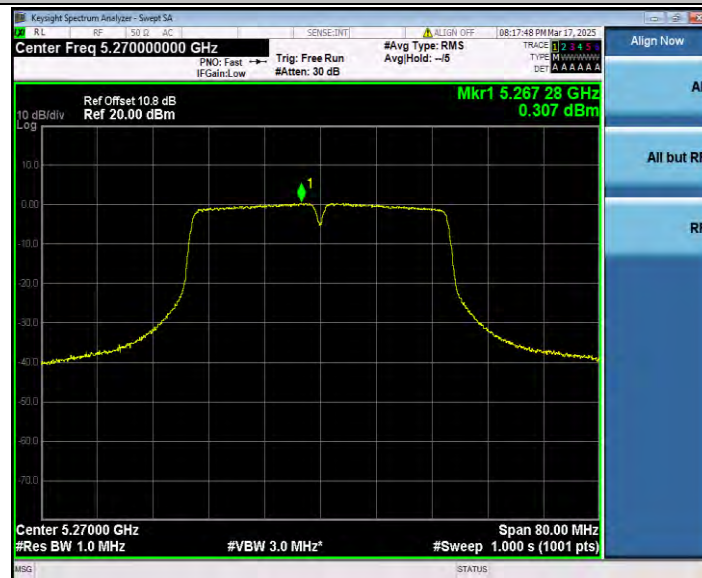
11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



11AX20SISO_Ant1_5260



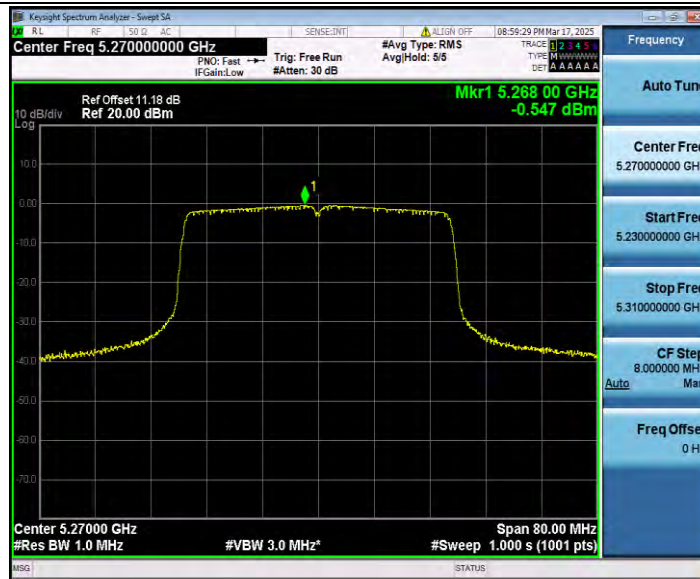
11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



11AX80SISO_Ant1_5290

