

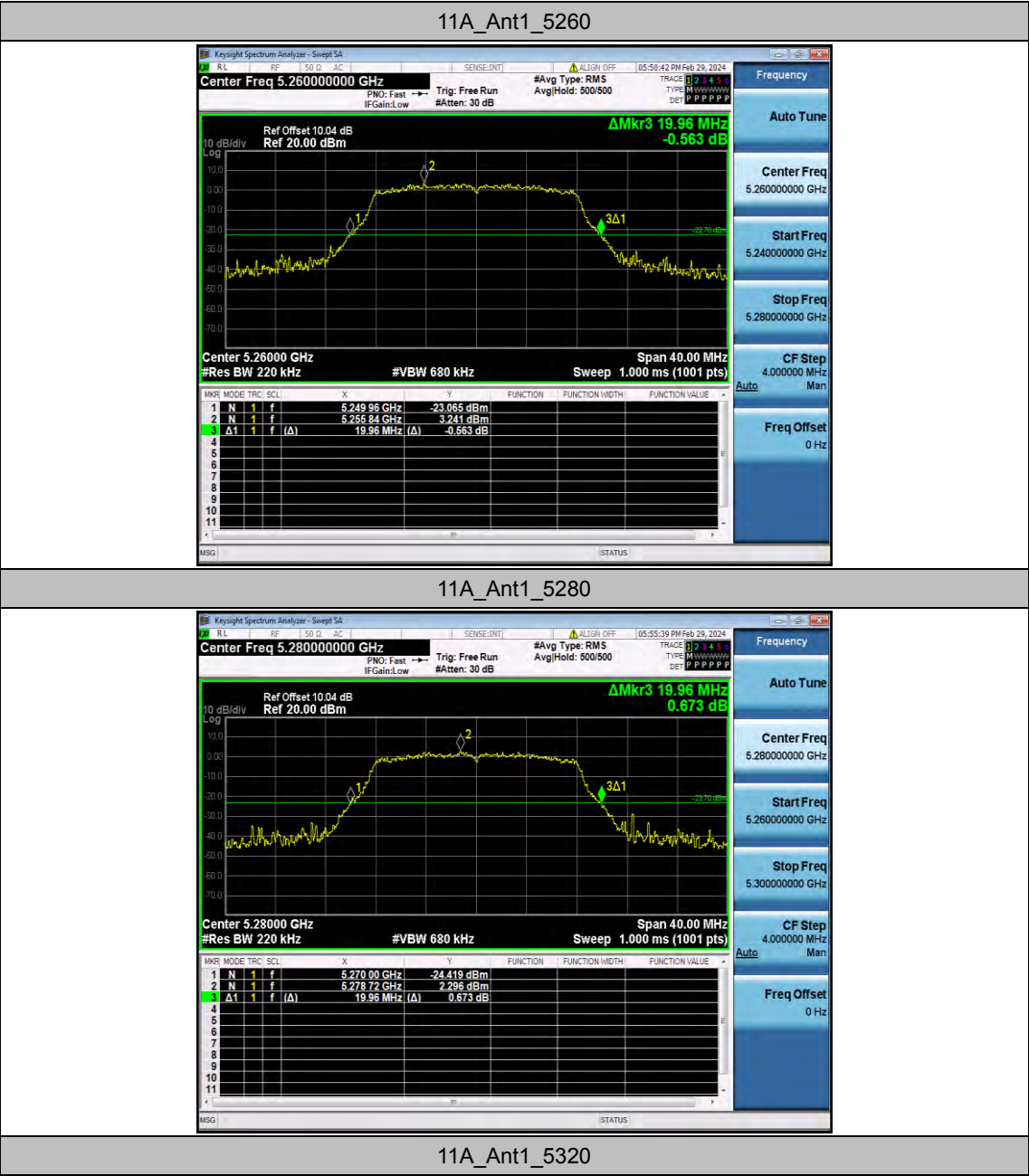
Case No. : <u>GTS20231208004-1-65</u>	
Ambient Condition: <u>22</u> °C, <u>48</u> %RH	
According Standard: <u>■Part15E</u>	
Test Date: <u>2024.2.29</u>	Test Engineer: <u>Evan ouyang</u>

Appendix E.1: Emission Bandwidth

Test Result

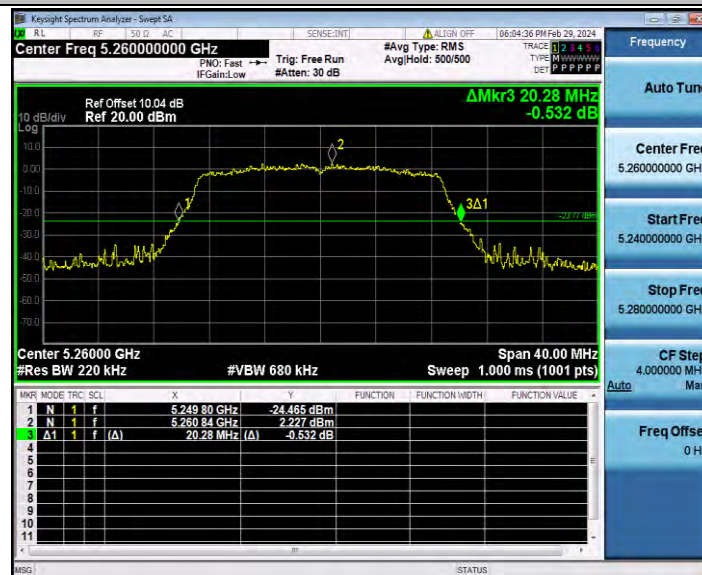
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	19.960	5249.960	5269.920	---	---
		5280	19.960	5270.000	5289.960	---	---
		5320	19.960	5310.160	5330.120	---	---
11N20SISO	Ant1	5260	20.280	5249.800	5270.080	---	---
		5280	20.400	5269.760	5290.160	---	---
		5320	20.400	5309.720	5330.120	---	---
11N40SISO	Ant1	5270	39.520	5250.160	5289.680	---	---
		5310	39.680	5290.160	5329.840	---	---
11AC20SISO	Ant1	5260	20.480	5249.640	5270.120	---	---
		5280	20.640	5269.640	5290.280	---	---
		5320	20.520	5309.760	5330.280	---	---
11AC40SISO	Ant1	5270	39.760	5250.080	5289.840	---	---
		5310	39.360	5290.320	5329.680	---	---
11AX20SISO	Ant1	5260	20.840	5249.600	5270.440	---	---
		5280	20.720	5269.680	5290.400	---	---
		5320	20.800	5309.600	5330.400	---	---
11AX40SISO	Ant1	5270	39.920	5249.920	5289.840	---	---
		5310	39.920	5290.080	5330.000	---	---

Test Graphs





11N20SISO_Ant1_5260



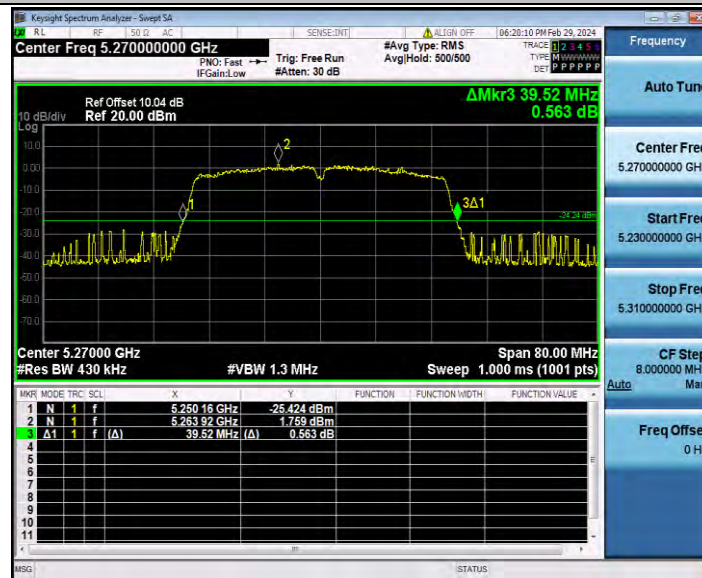
11N20SISO_Ant1_5280



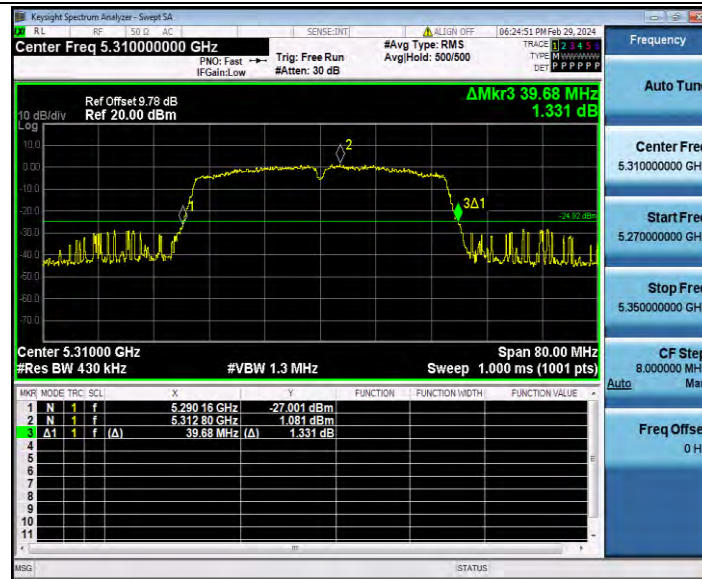
11N20SISO_Ant1_5320



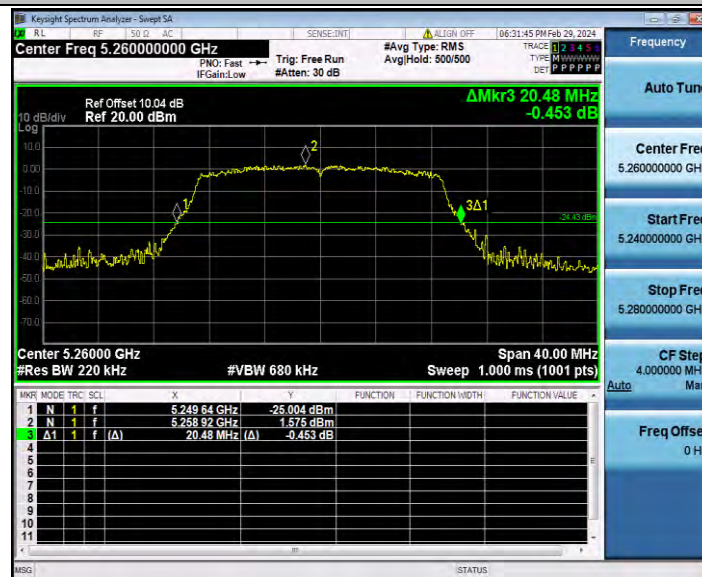
11N40SISO_Ant1_5270



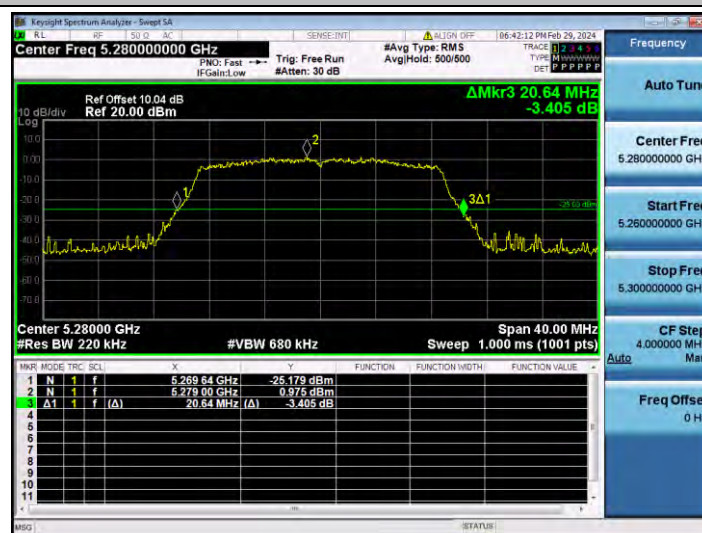
11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



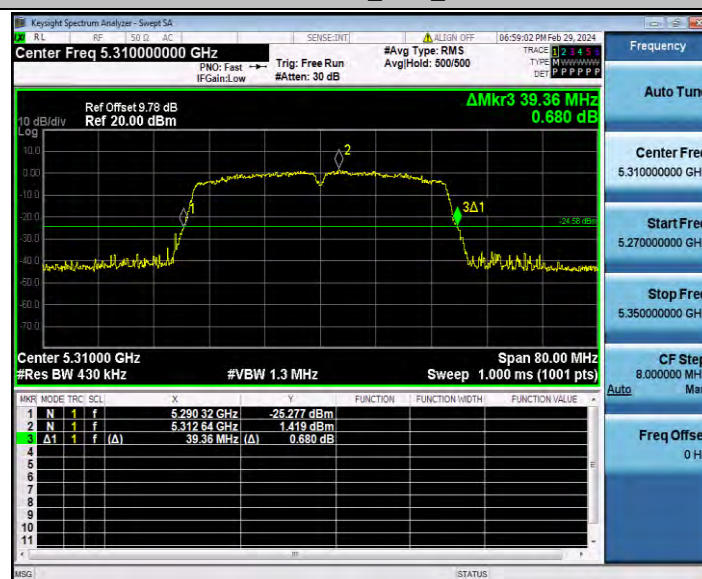
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



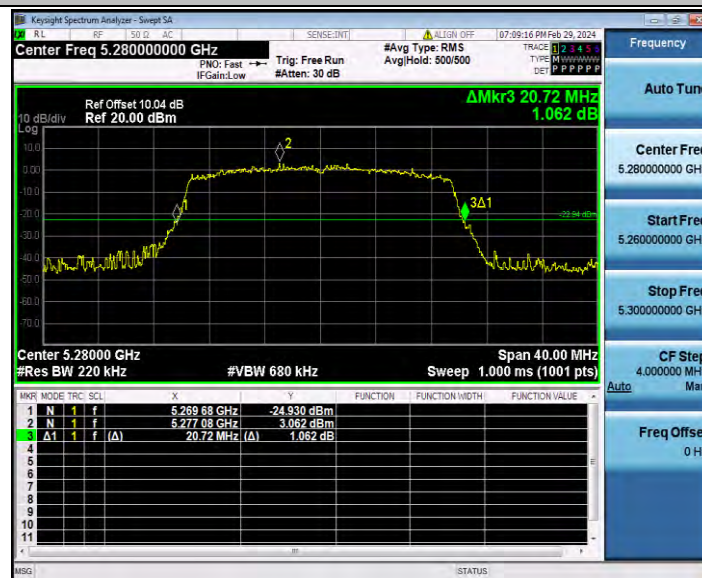
11AC40SISO_Ant1_5310



11AX20SISO_Ant1_5260



11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



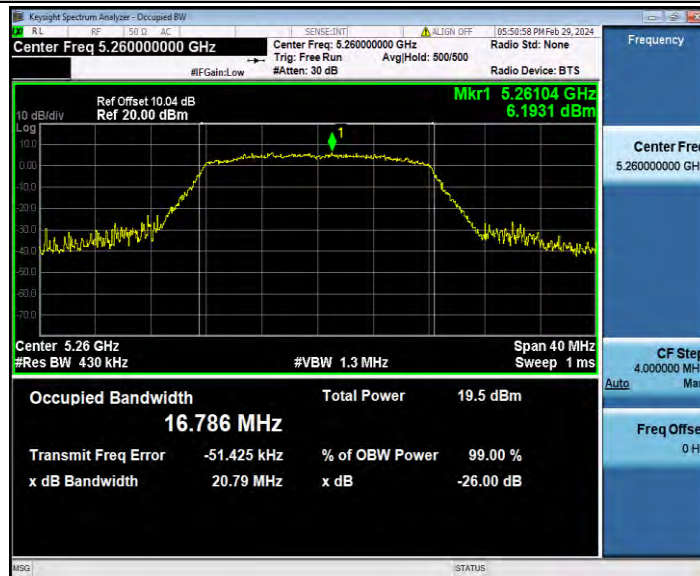
Appendix E.2: Occupied channel bandwidth

Test Result

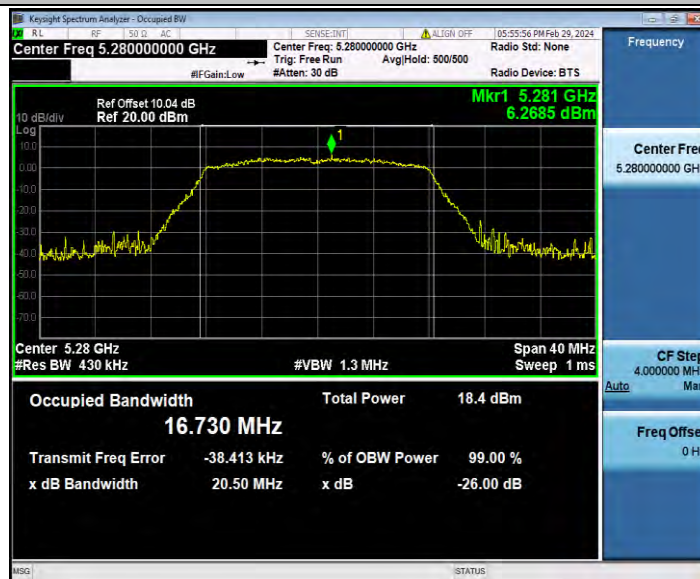
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	16.786	5251.5556	5268.3416	---	---
		5280	16.730	5271.5966	5288.3266	---	---
		5320	16.759	5311.6395	5328.3985	---	---
11N20SISO	Ant1	5260	17.687	5251.1077	5268.7947	---	---
		5280	17.687	5271.1349	5288.8219	---	---
		5320	17.707	5311.1216	5328.8286	---	---
11N40SISO	Ant1	5270	35.972	5251.9742	5287.9462	---	---
		5310	36.004	5291.9979	5328.0019	---	---
11AC20SISO	Ant1	5260	17.722	5251.0989	5268.8209	---	---
		5280	17.729	5271.1111	5288.8401	---	---
		5320	17.732	5311.1199	5328.8519	---	---
11AC40SISO	Ant1	5270	35.964	5251.9545	5287.9185	---	---
		5310	35.939	5292.0689	5328.0079	---	---
11AX20SISO	Ant1	5260	18.821	5250.5486	5269.3696	---	---
		5280	18.752	5270.6025	5289.3545	---	---
		5320	18.768	5310.6240	5329.3920	---	---
11AX40SISO	Ant1	5270	37.282	5251.3161	5288.5981	---	---
		5310	37.273	5291.3892	5328.6622	---	---

Test Graphs

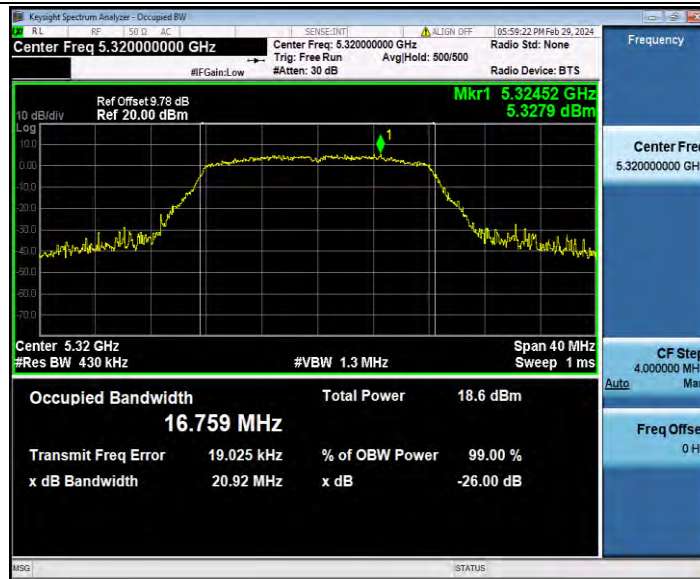
11A_Ant1_5260



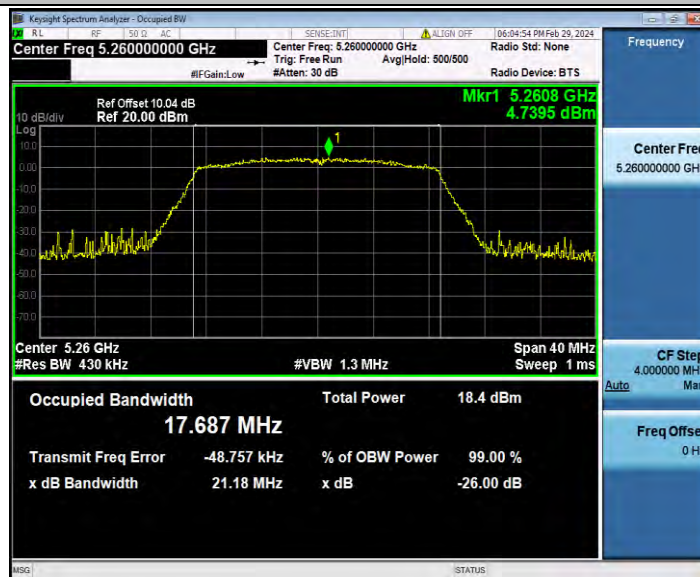
11A_Ant1_5280



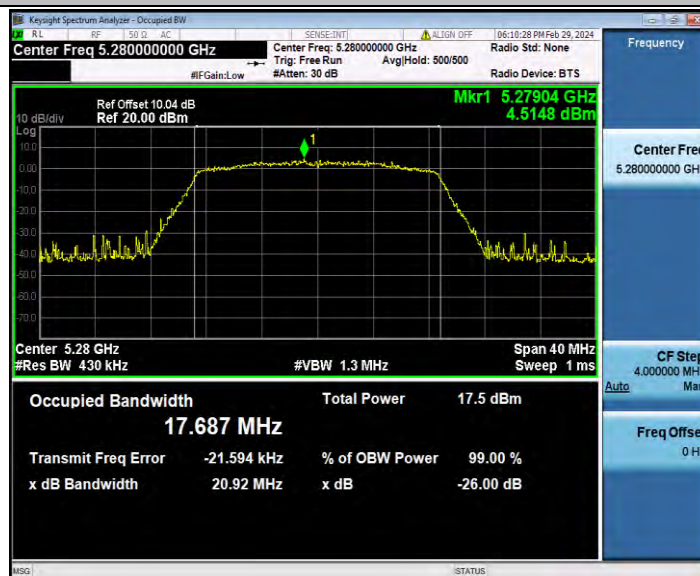
11A_Ant1_5320



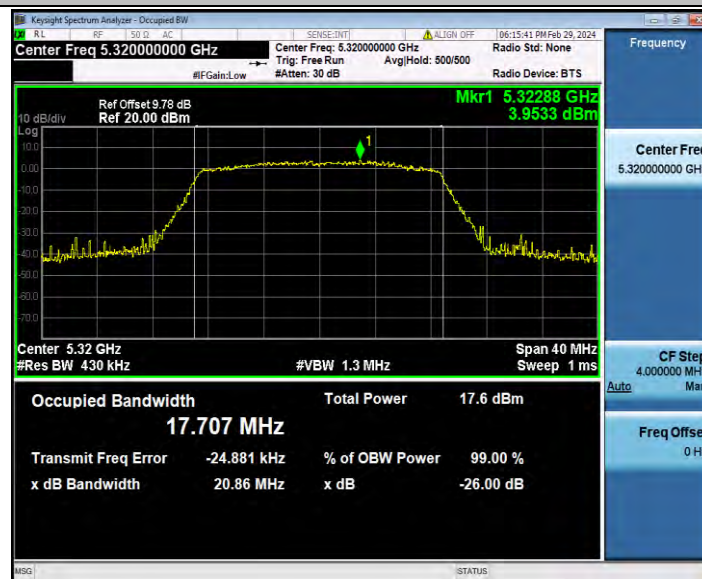
11N20SISO_Ant1_5260



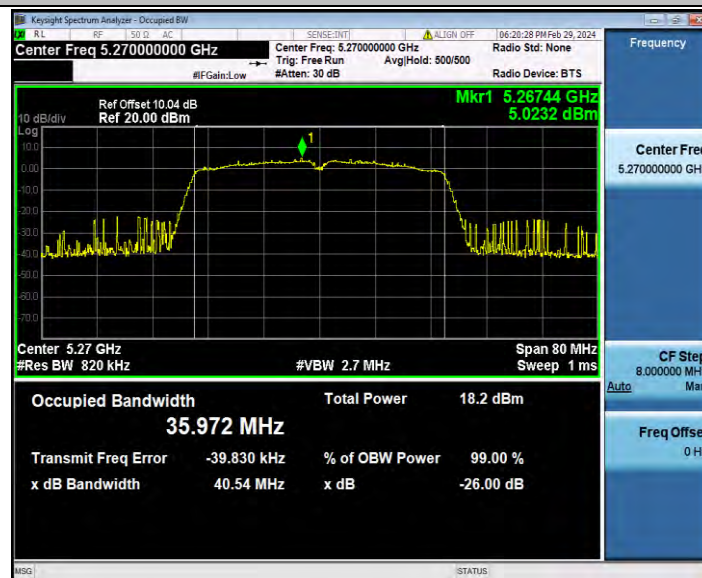
11N20SISO_Ant1_5280



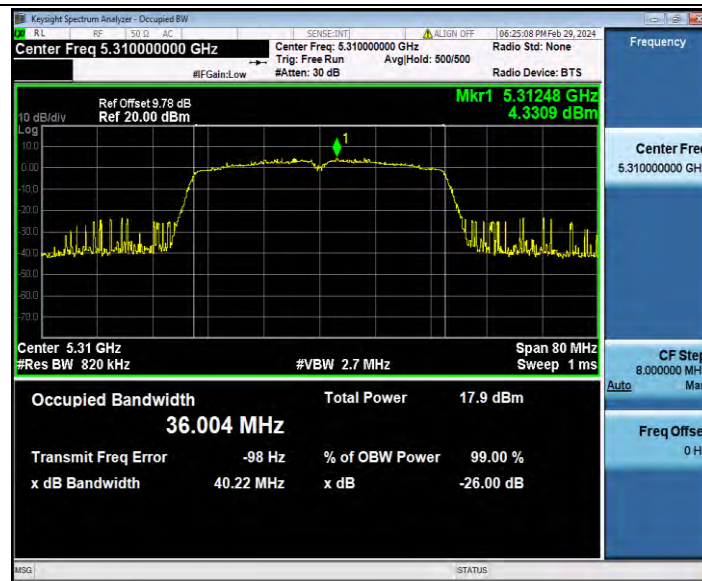
11N20SISO_Ant1_5320



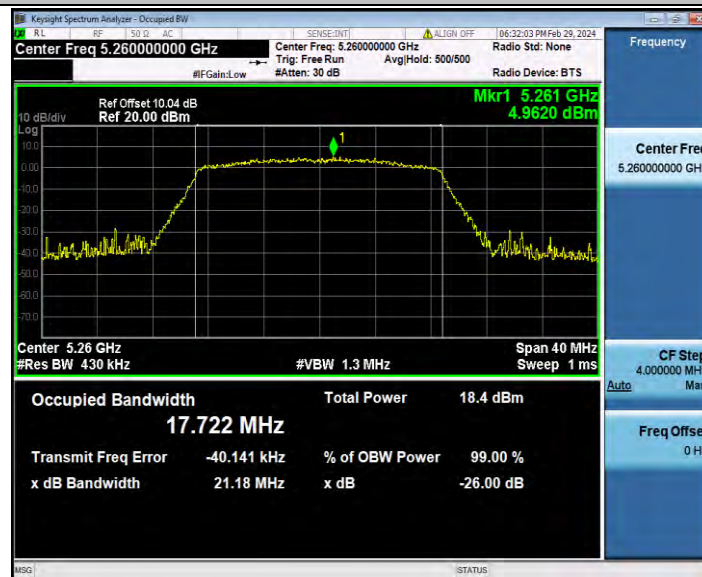
11N40SISO_Ant1_5270



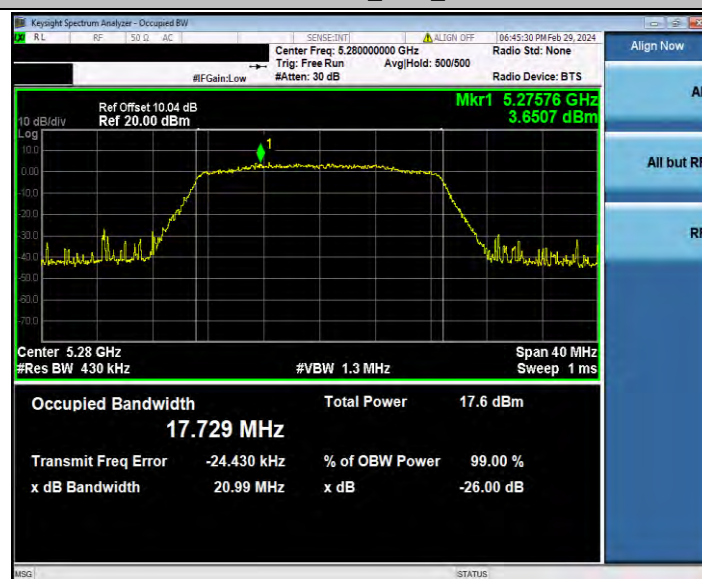
11N40SISO_Ant1_5310



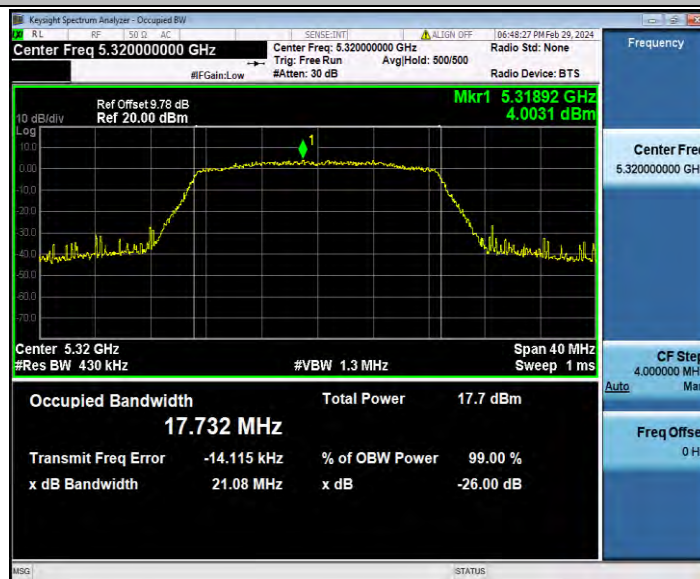
11AC20SISO_Ant1_5260



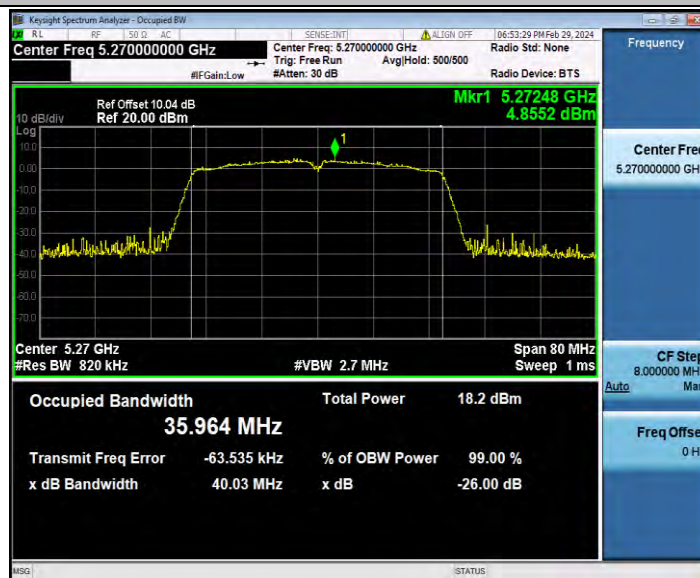
11AC20SISO_Ant1_5280



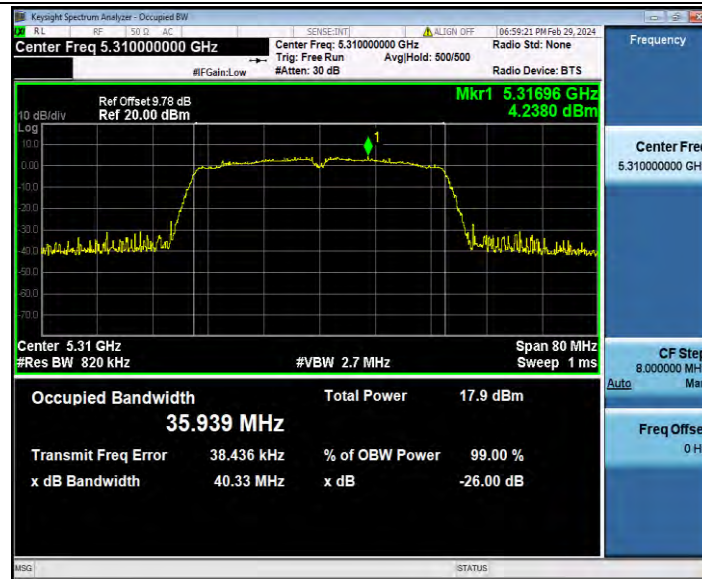
11AC20SISO_Ant1_5320



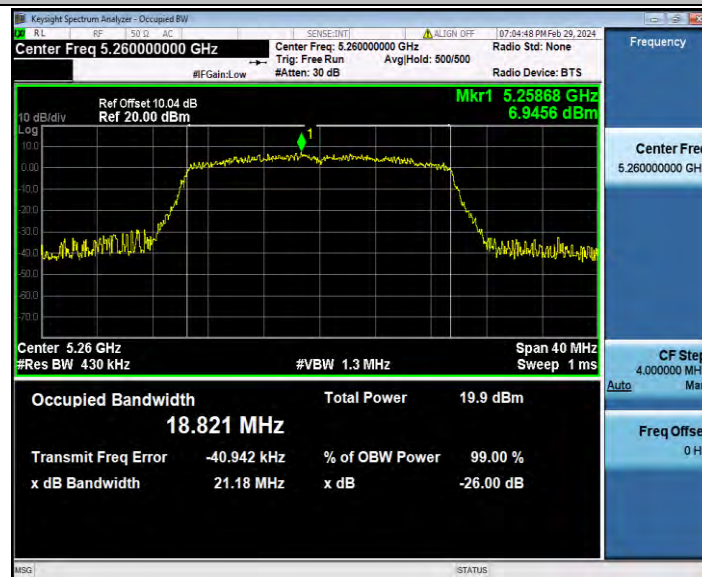
11AC40SISO_Ant1_5270



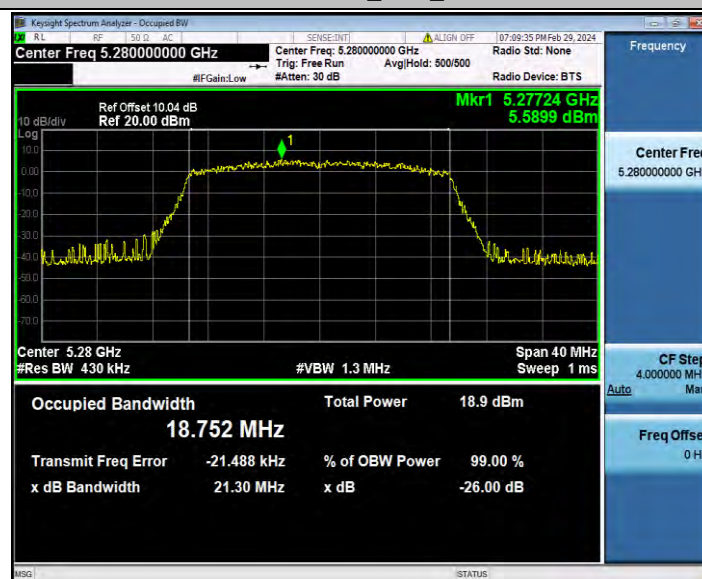
11AC40SISO_Ant1_5310



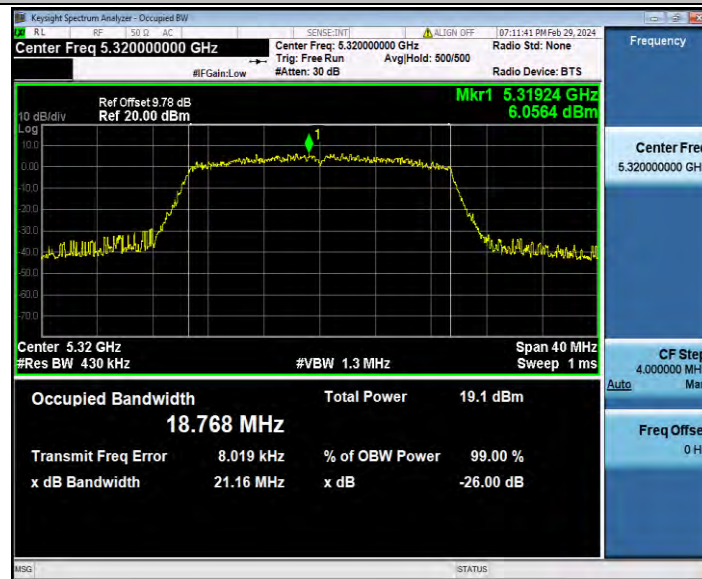
11AX20SISO_Ant1_5260



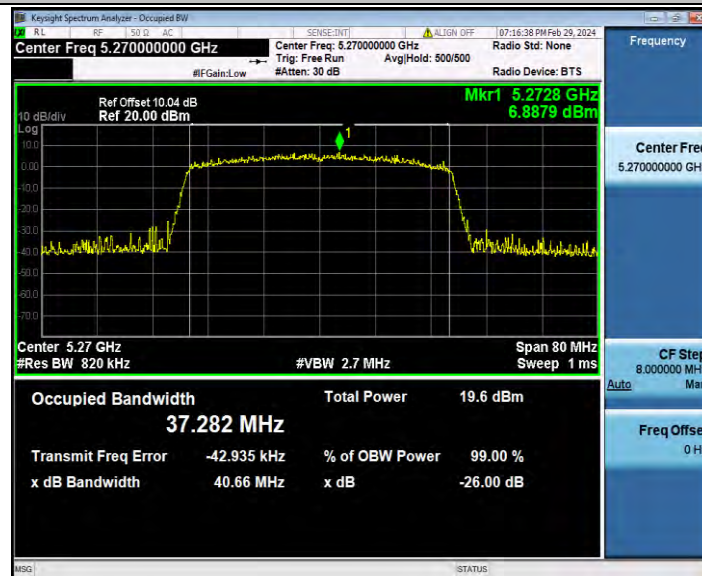
11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310

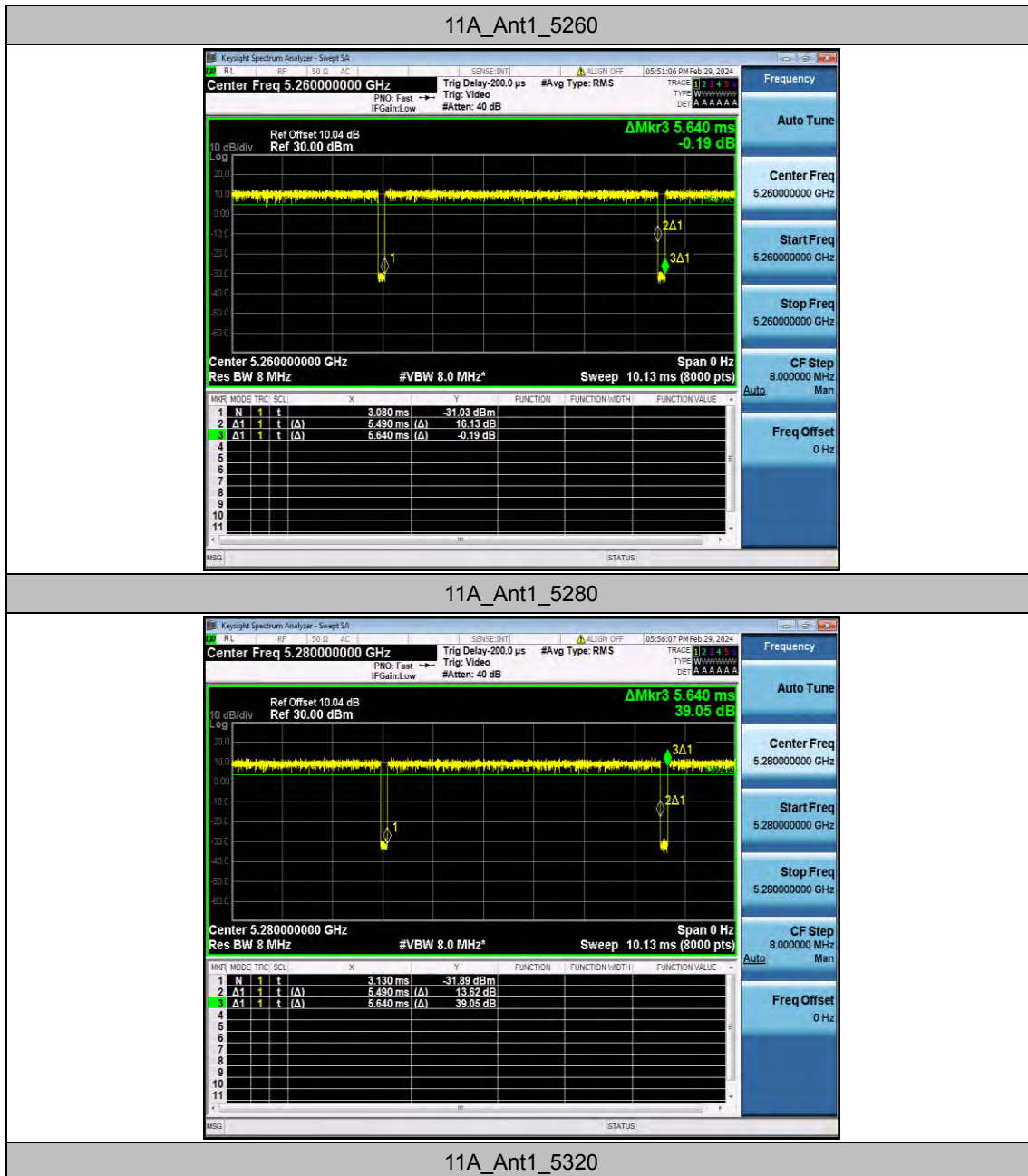


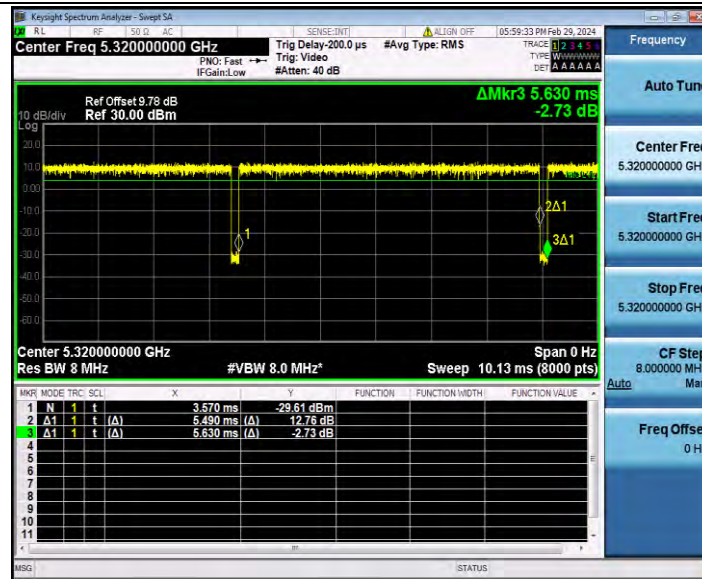
Appendix E.3: Duty Cycle

Test Result

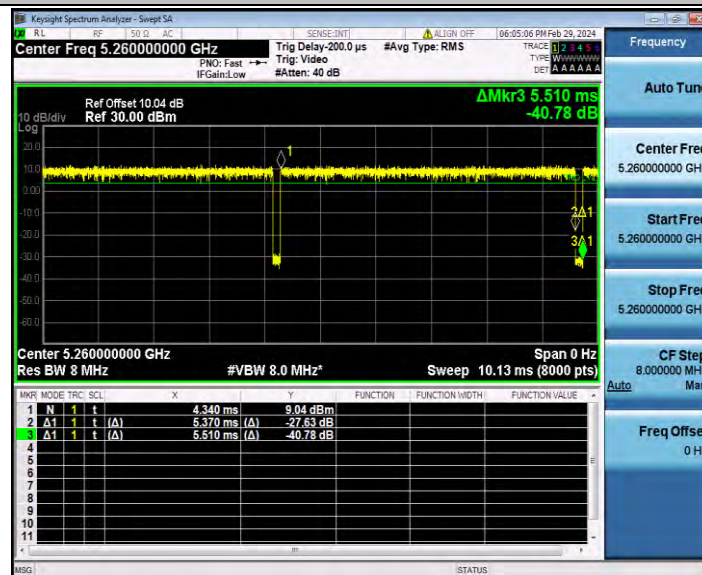
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5260	5.49	5.64	97.34	0.12	0.18
		5280	5.49	5.64	97.34	0.12	0.18
		5320	5.49	5.63	97.51	0.11	0.18
11N20SISO	Ant1	5260	5.37	5.51	97.46	0.11	0.19
		5280	5.37	5.50	97.64	0.10	0.19
		5320	5.38	5.51	97.64	0.10	0.19
11N40SISO	Ant1	5270	5.16	5.31	97.18	0.12	0.19
		5310	5.15	5.29	97.35	0.12	0.19
11AC20SISO	Ant1	5260	5.38	5.51	97.64	0.10	0.19
		5280	5.38	5.52	97.46	0.11	0.19
		5320	5.38	5.53	97.29	0.12	0.19
11AC40SISO	Ant1	5270	5.16	5.31	97.18	0.12	0.19
		5310	5.16	5.30	97.36	0.12	0.19
11AX20SISO	Ant1	5260	4.66	4.79	97.29	0.12	0.21
		5280	4.66	4.80	97.08	0.13	0.21
		5320	4.65	4.81	96.67	0.15	0.22
11AX40SISO	Ant1	5270	4.64	4.78	97.07	0.13	0.22
		5310	4.64	4.79	96.87	0.14	0.22

Test Graphs

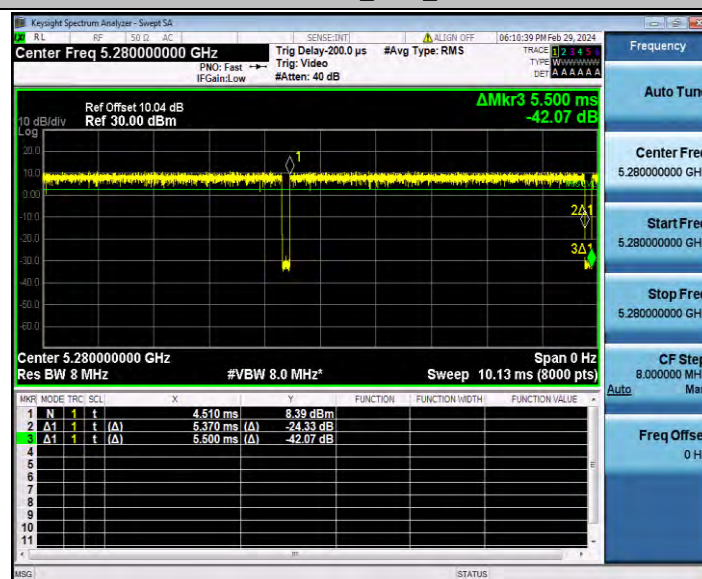




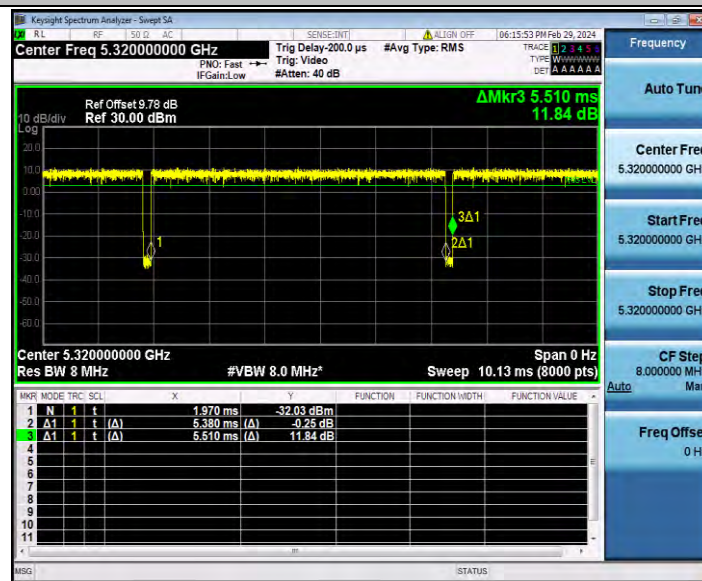
11N20SISO_Ant1_5260



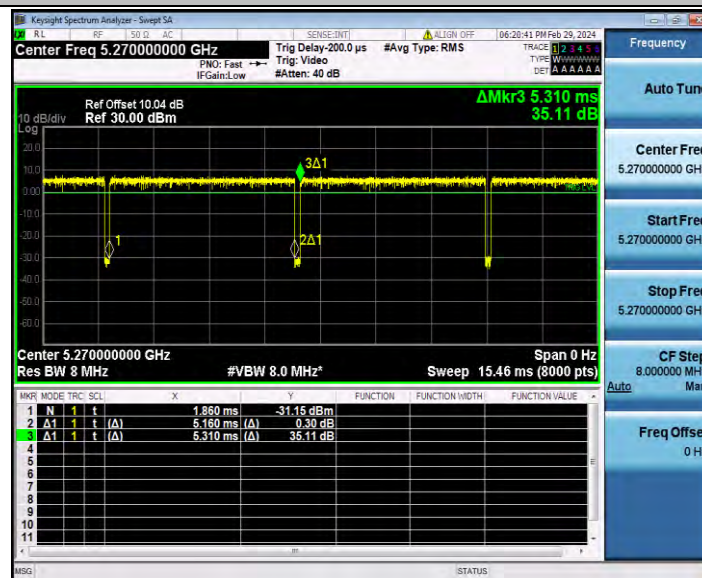
11N20SISO_Ant1_5280



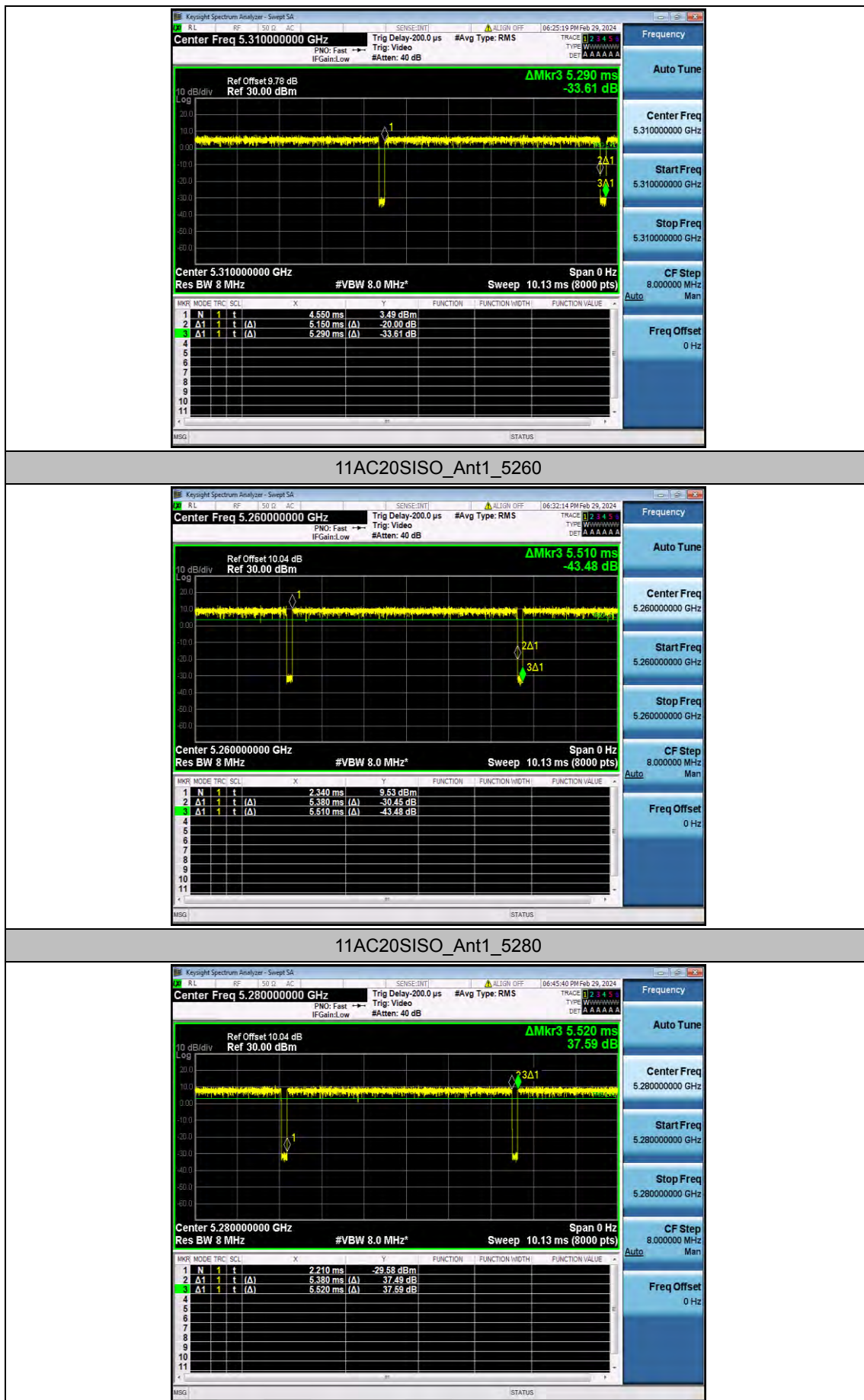
11N20SISO_Ant1_5320



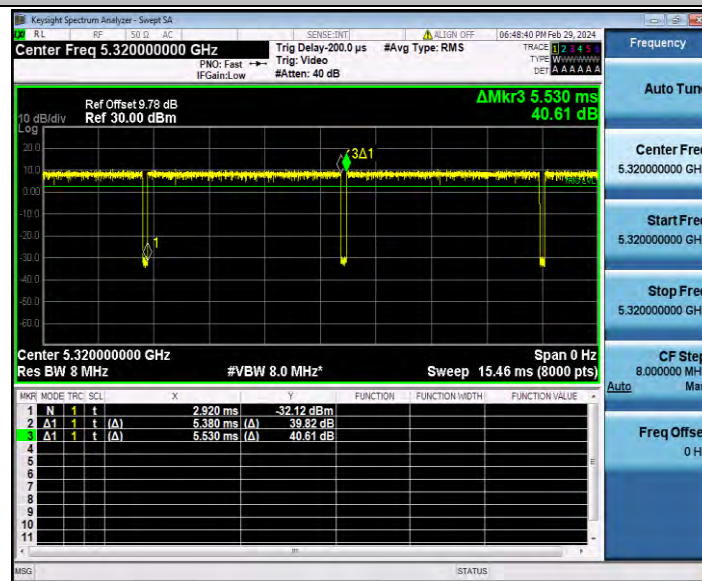
11N40SISO_Ant1_5270



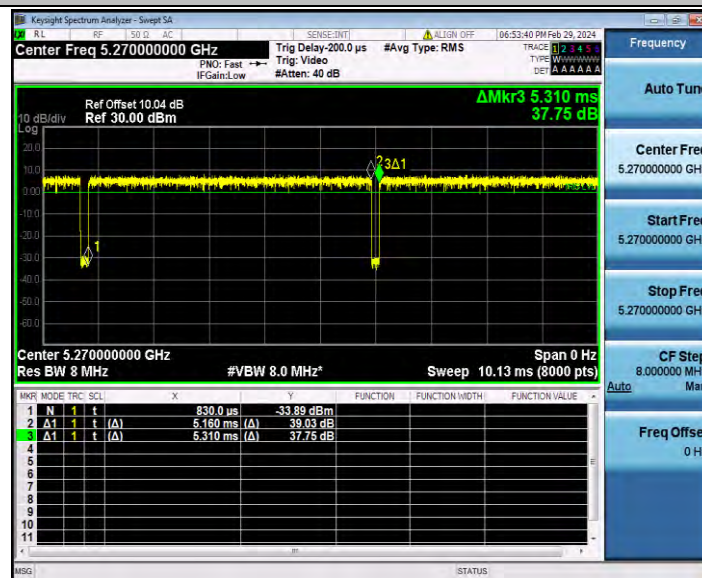
11N40SISO_Ant1_5310



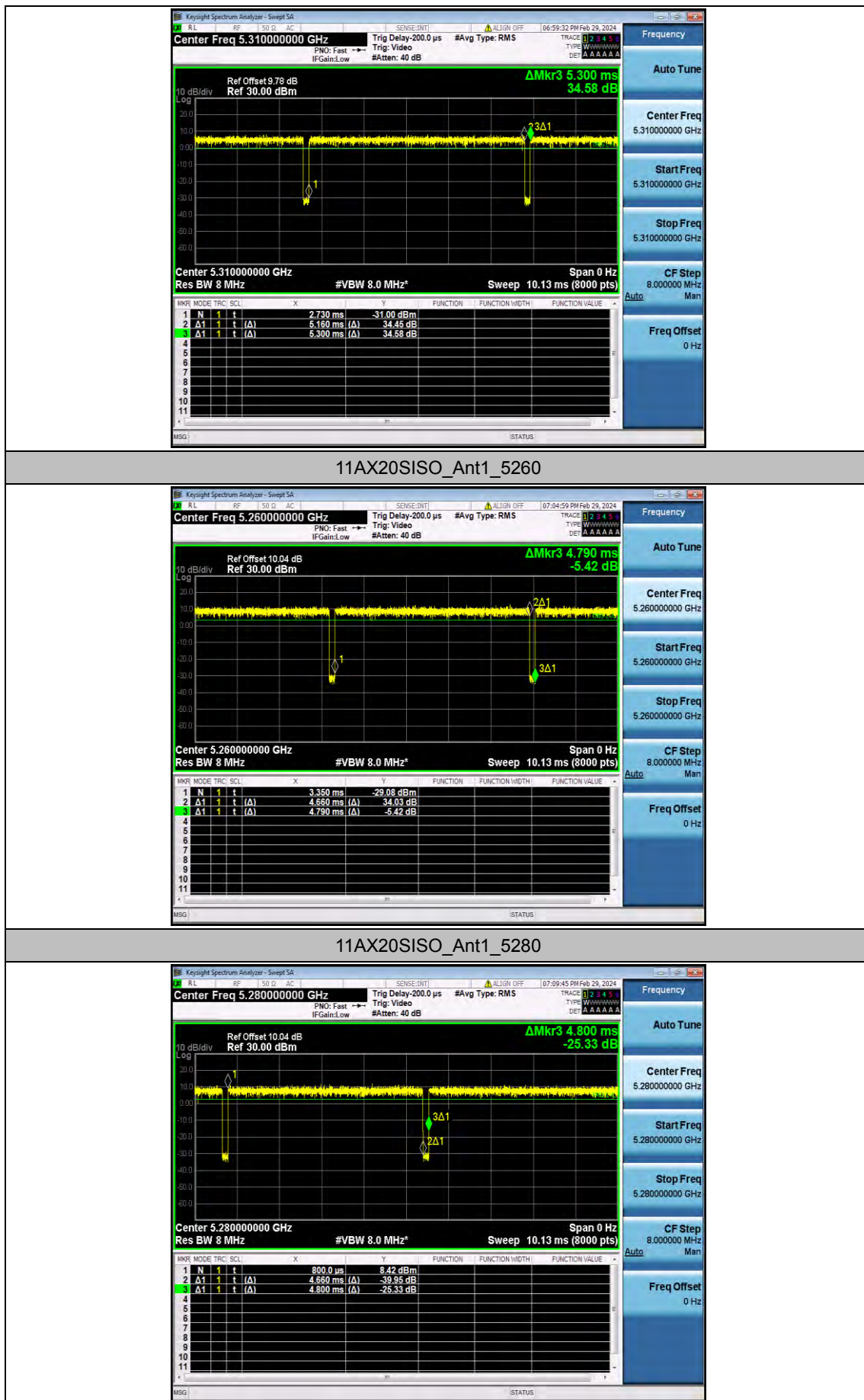
11AC20SISO_Ant1_5320



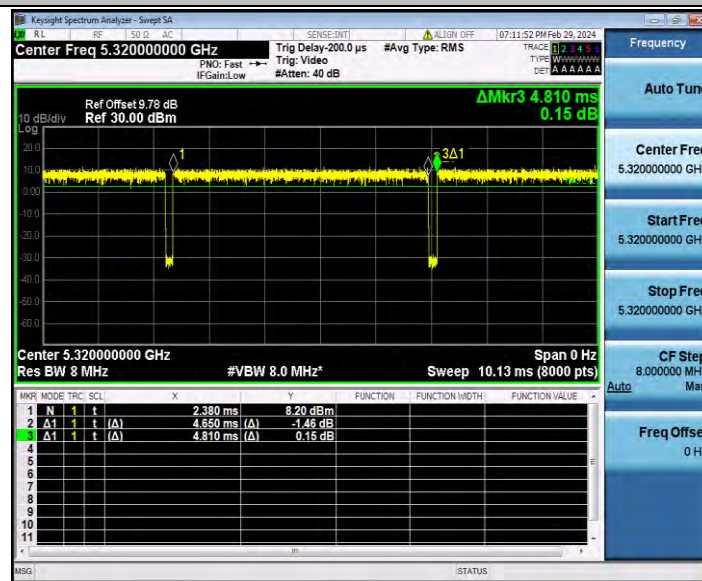
11AC40SISO_Ant1_5270



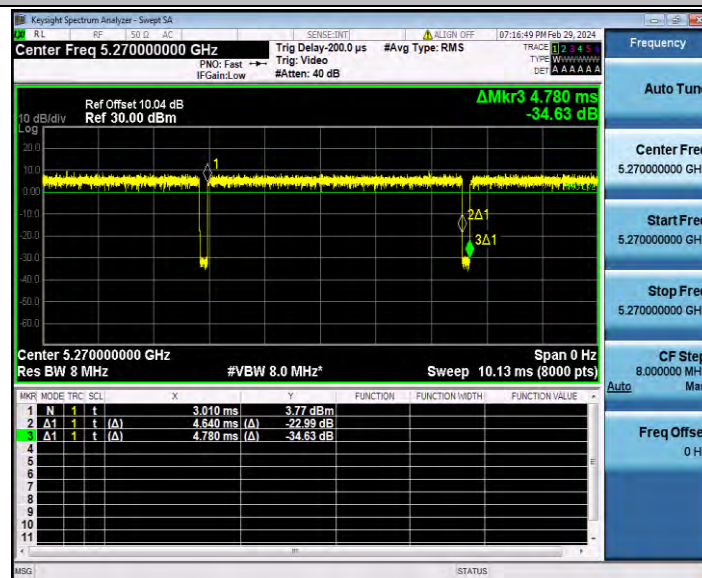
11AC40SISO_Ant1_5310



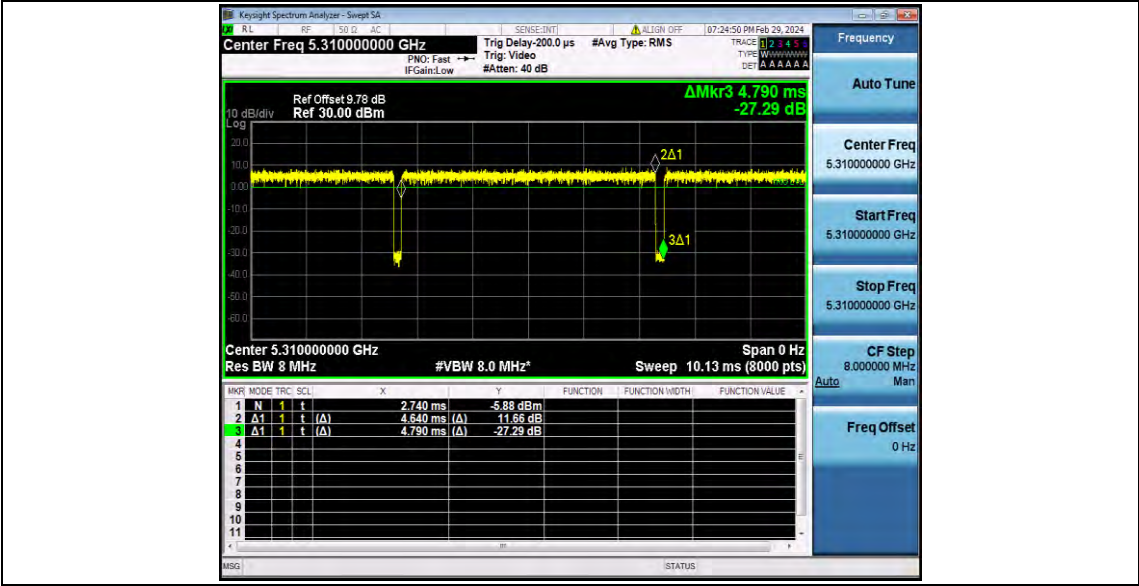
11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



Appendix E.4: Maximum conducted output power

Test Result

Test Mode	Antenna	Freq (MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	12.51	97.34	0.12	12.63	≤23.98	PASS
		5280	11.49	97.34	0.12	11.61	≤23.98	PASS
		5320	11.68	97.51	0.11	11.79	≤23.98	PASS
11N20SI SO	Ant1	5260	11.48	97.46	0.11	11.59	≤23.98	PASS
		5280	10.48	97.64	0.10	10.58	≤23.98	PASS
		5320	10.65	97.64	0.10	10.75	≤23.98	PASS
11N40SI SO	Ant1	5270	10.74	97.18	0.12	10.86	≤23.98	PASS
		5310	10.48	97.35	0.12	10.60	≤23.98	PASS
11AC20S ISO	Ant1	5260	11.44	97.64	0.10	11.54	≤23.98	PASS
		5280	10.57	97.46	0.11	10.68	≤23.98	PASS
		5320	10.76	97.29	0.12	10.88	≤23.98	PASS
11AC40S ISO	Ant1	5270	10.75	97.18	0.12	10.87	≤23.98	PASS
		5310	10.44	97.36	0.12	10.56	≤23.98	PASS
11AX20SI SO	Ant1	5260	11.36	97.29	0.12	11.48	≤23.98	PASS
		5280	10.42	97.08	0.13	10.55	≤23.98	PASS
		5320	10.65	96.67	0.15	10.80	≤23.98	PASS
11AX40SI SO	Ant1	5270	10.71	97.07	0.13	10.84	≤23.98	PASS
		5310	10.52	96.87	0.14	10.66	≤23.98	PASS

Note:

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

Appendix E.5: Maximum power spectral density

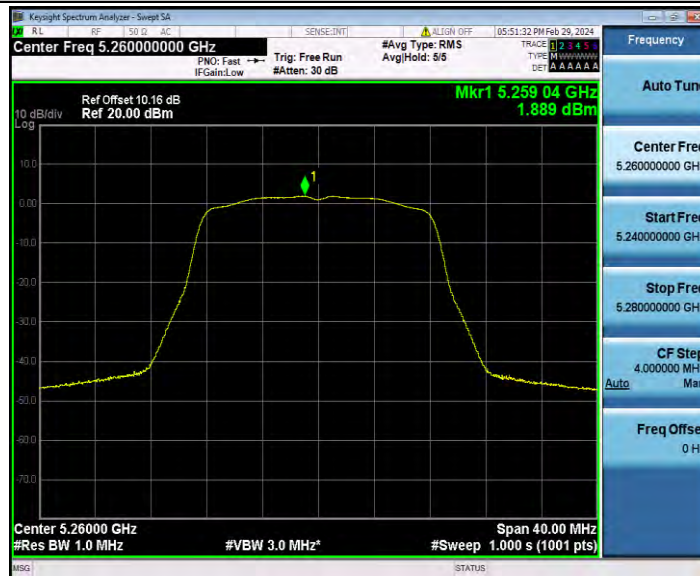
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5260	1.89	≤11.00	PASS
		5280	1.00	≤11.00	PASS
		5320	1.22	≤11.00	PASS
11N20SISO	Ant1	5260	0.72	≤11.00	PASS
		5280	-0.20	≤11.00	PASS
		5320	-0.02	≤11.00	PASS
11N40SISO	Ant1	5270	-2.63	≤11.00	PASS
		5310	-2.91	≤11.00	PASS
11AC20SISO	Ant1	5260	0.71	≤11.00	PASS
		5280	-0.27	≤11.00	PASS
		5320	-0.06	≤11.00	PASS
11AC40SISO	Ant1	5270	-2.65	≤11.00	PASS
		5310	-2.89	≤11.00	PASS
11AX20SISO	Ant1	5260	0.52	≤11.00	PASS
		5280	-0.43	≤11.00	PASS
		5320	-0.18	≤11.00	PASS
11AX40SISO	Ant1	5270	-2.97	≤11.00	PASS
		5310	-3.22	≤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

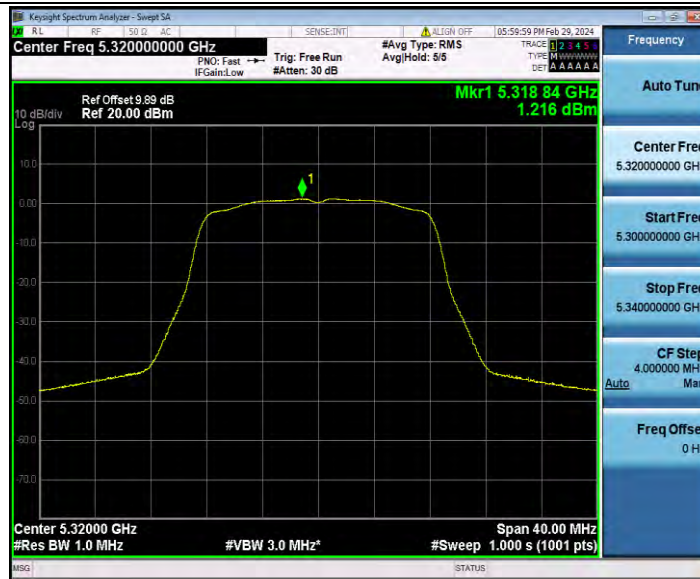
11A_Ant1_5260



11A_Ant1_5280



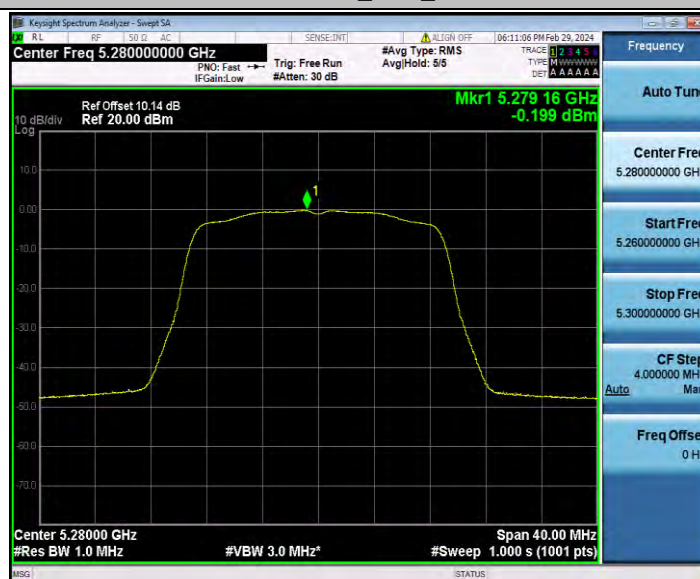
11A_Ant1_5320



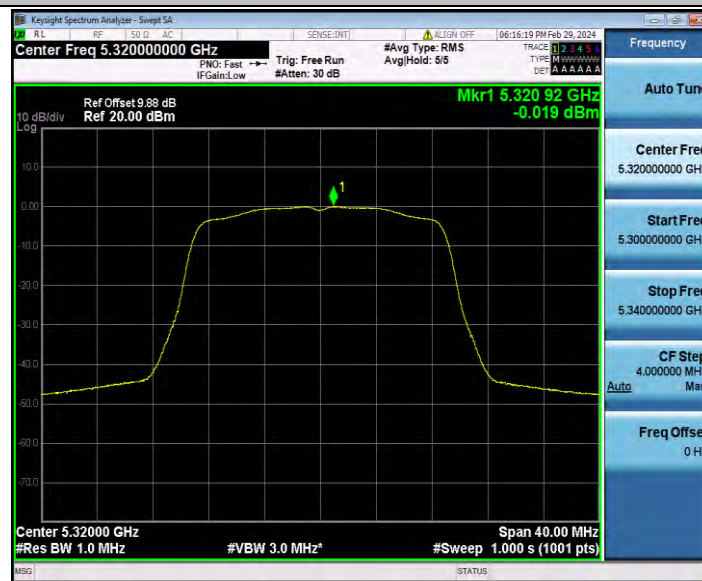
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



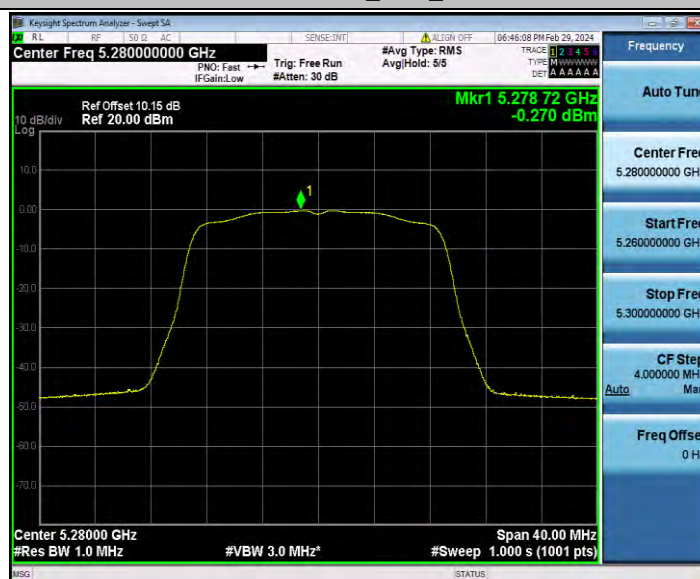
11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



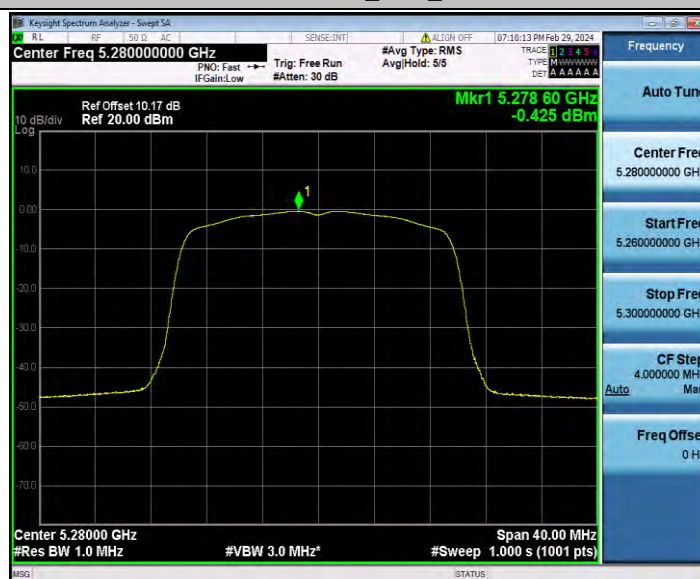
11AC40SISO_Ant1_5310



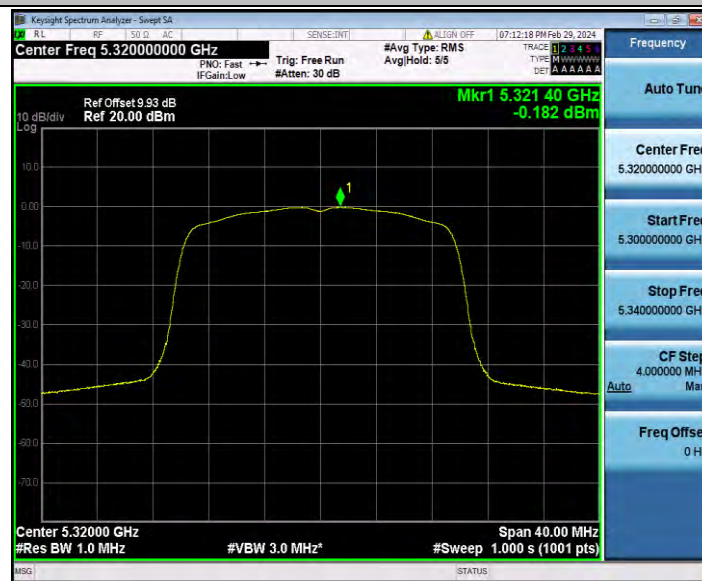
11AX20SISO_Ant1_5260



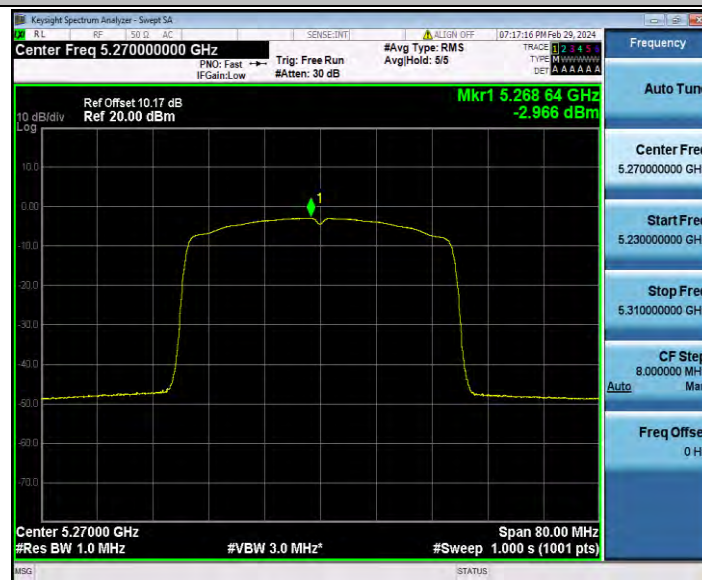
11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310

