

Case No. : <u>GTS20231208004-1-17</u>	
Ambient Condition: <u>24</u> °C, <u>48</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2024.1.8</u>	Test Engineer: <u>Evan ouyang</u>

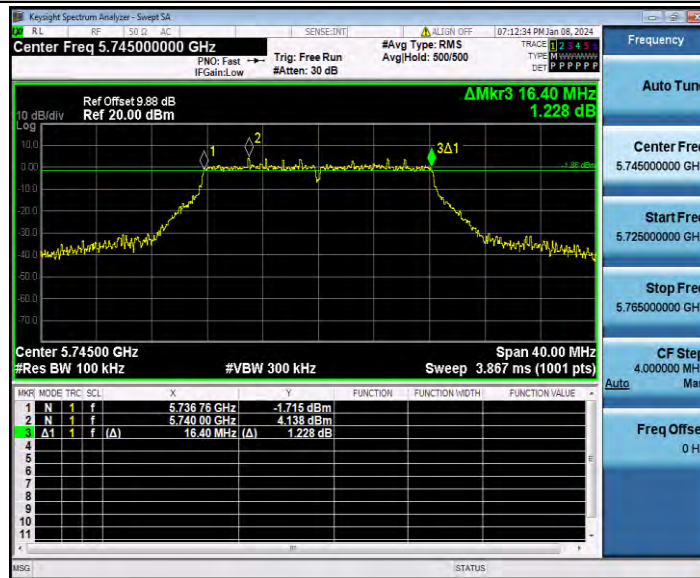
Appendix G.1: Min emission bandwidth

Test Result

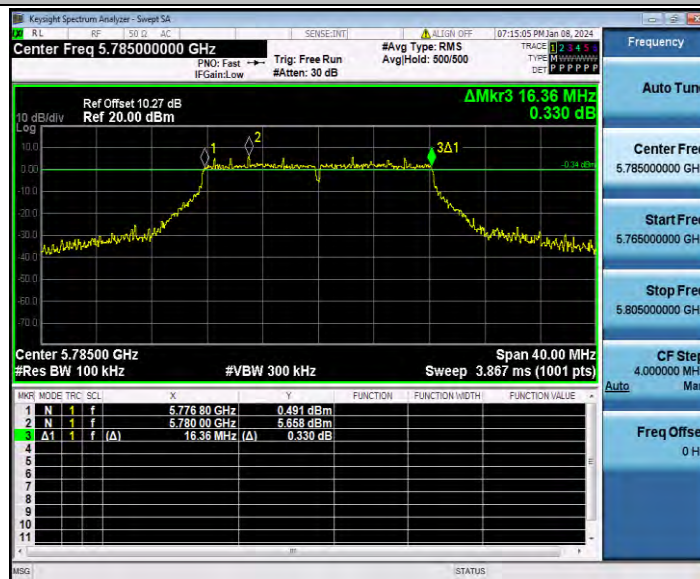
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.400	5736.760	5753.160	0.5	PASS
		5785	16.360	5776.800	5793.160	0.5	PASS
		5825	16.440	5816.760	5833.200	0.5	PASS
11N20SISO	Ant1	5745	17.640	5736.160	5753.800	0.5	PASS
		5785	17.640	5776.160	5793.800	0.5	PASS
		5825	17.640	5816.160	5833.800	0.5	PASS
11N40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.600	5736.200	5753.800	0.5	PASS
		5785	17.640	5776.160	5793.800	0.5	PASS
		5825	17.640	5816.160	5833.800	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.000	5777.080	5813.080	0.5	PASS
11AC80SISO	Ant1	5775	74.560	5737.880	5812.440	0.5	PASS
11AX20SISO	Ant1	5745	19.040	5735.480	5754.520	0.5	PASS
		5785	19.080	5775.400	5794.480	0.5	PASS
		5825	19.040	5815.480	5834.520	0.5	PASS
11AX40SISO	Ant1	5755	38.080	5735.960	5774.040	0.5	PASS
		5795	38.080	5775.880	5813.960	0.5	PASS
11AX80SISO	Ant1	5775	77.440	5736.440	5813.880	0.5	PASS

Test Graphs

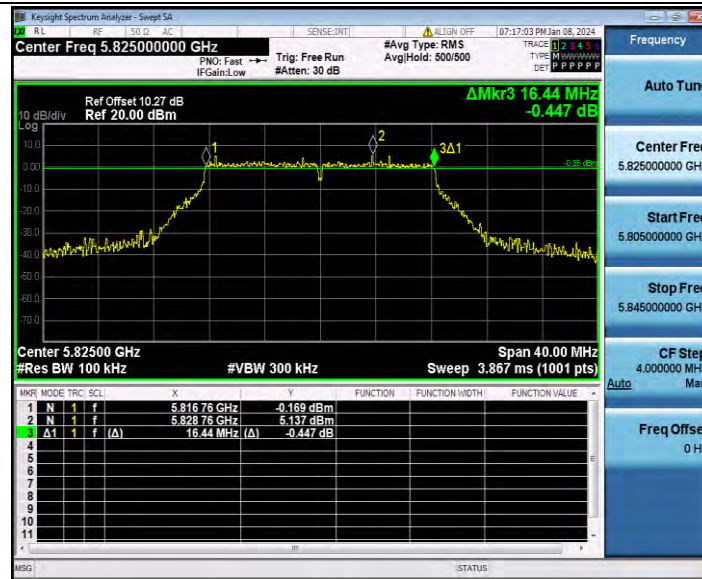
11A_Ant1_5745



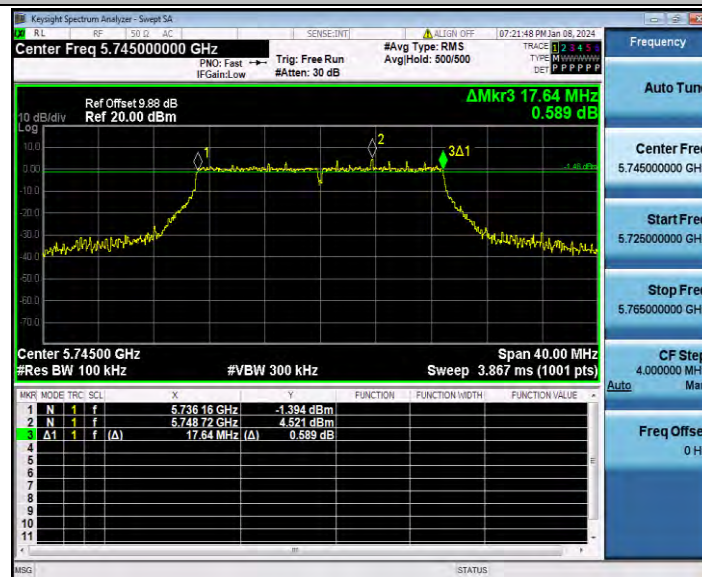
11A_Ant1_5785



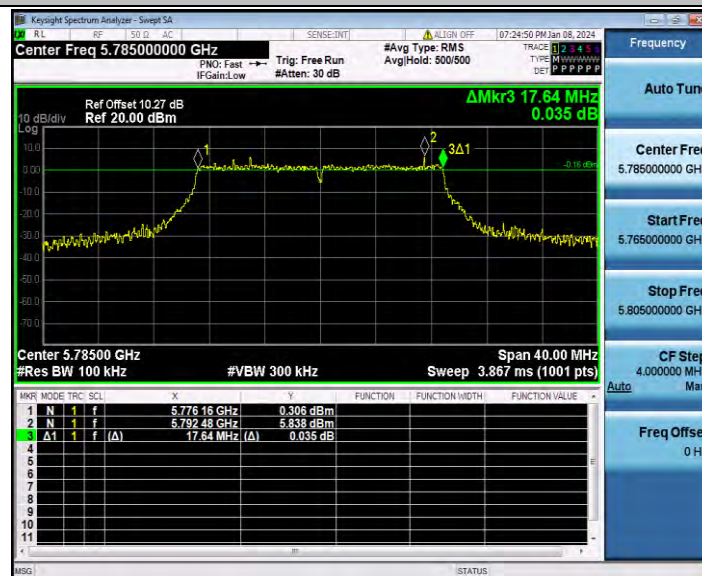
11A_Ant1_5825

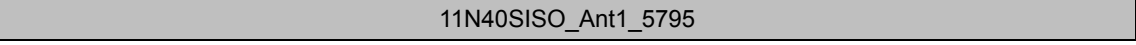
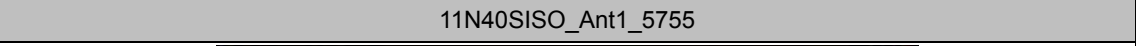


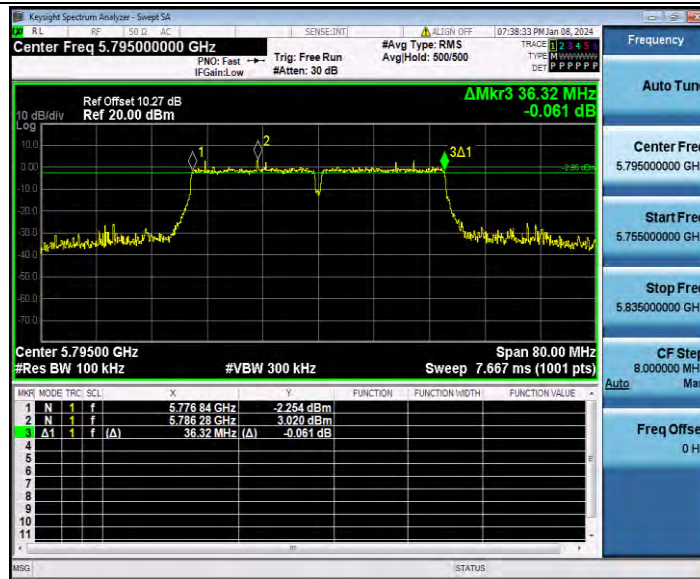
11N20SISO_Ant1_5745



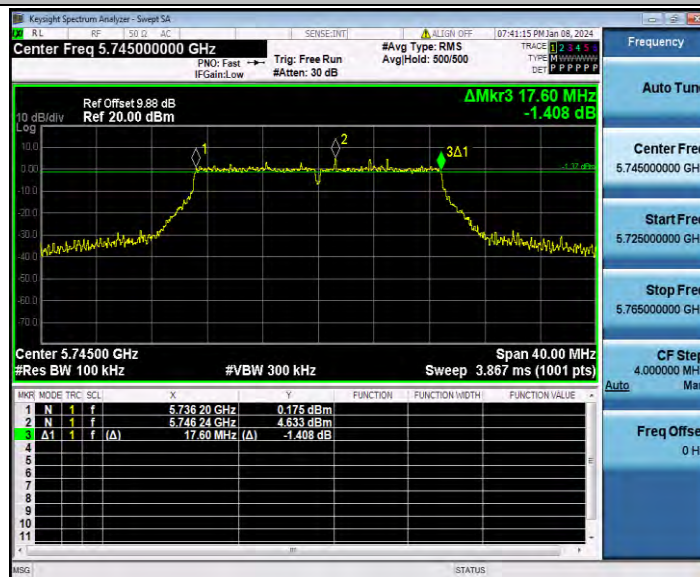
11N20SISO_Ant1_5785



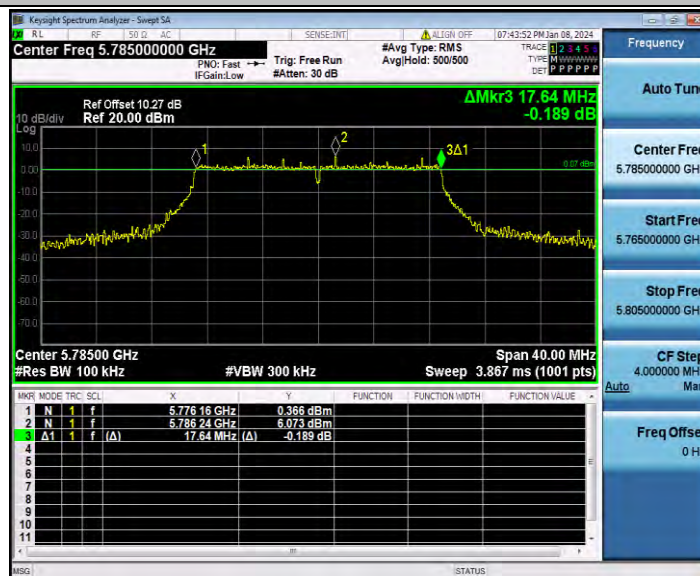


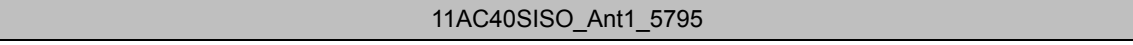
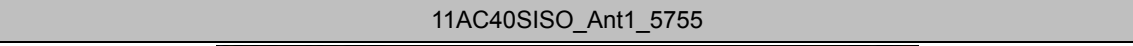


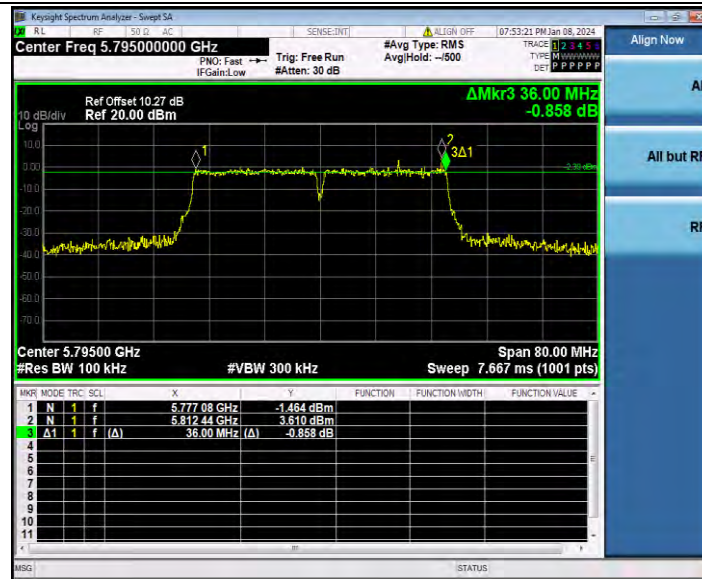
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



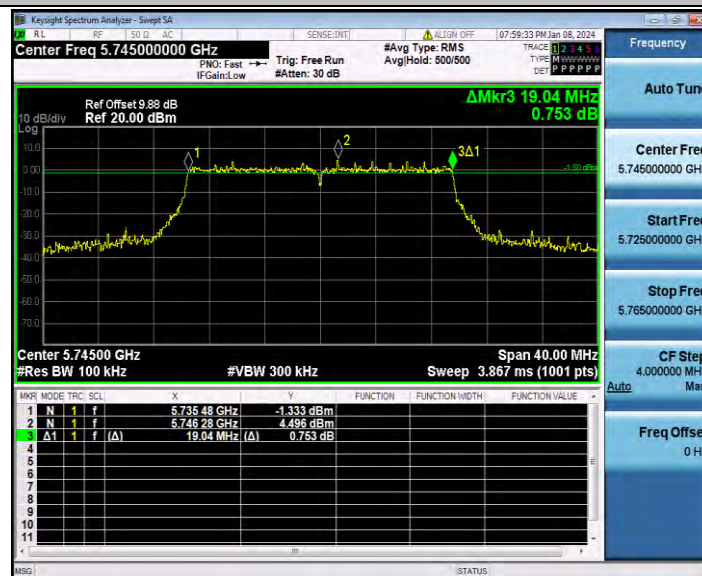




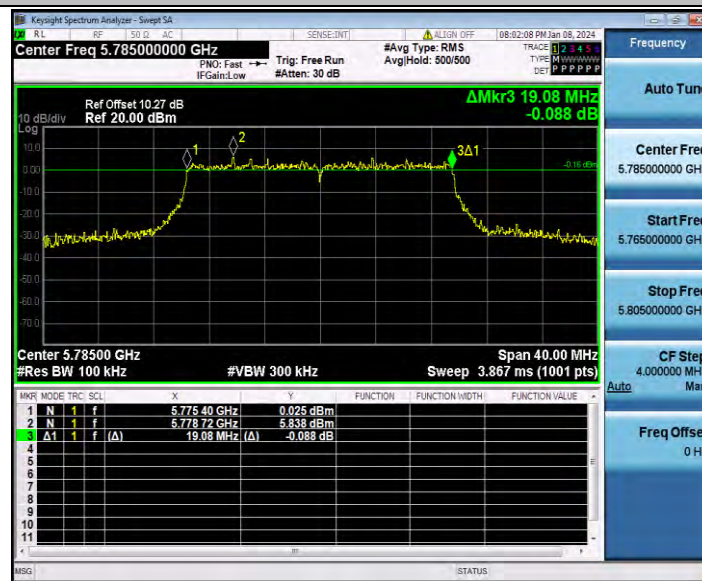
11AC80SISO_Ant1_5775



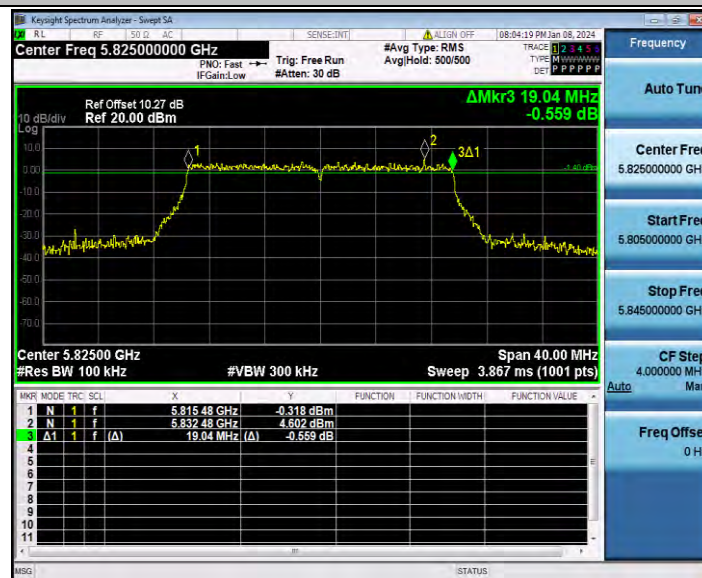
11AX20SISO_Ant1_5745



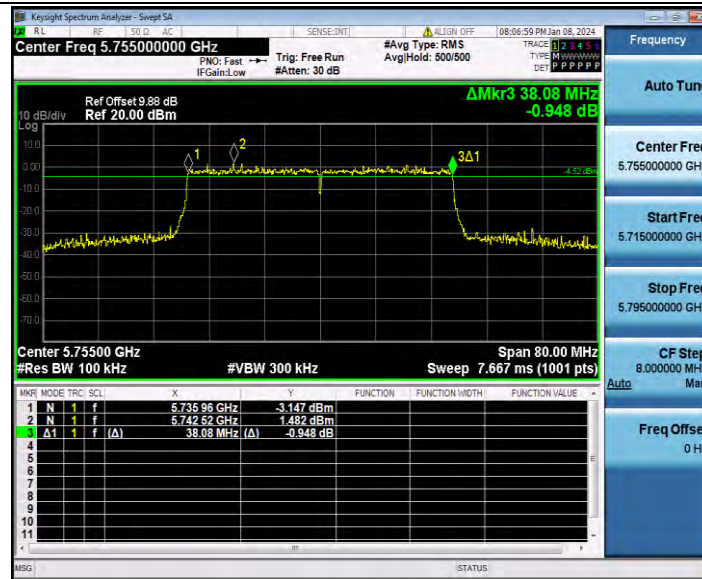
11AX20SISO_Ant1_5785



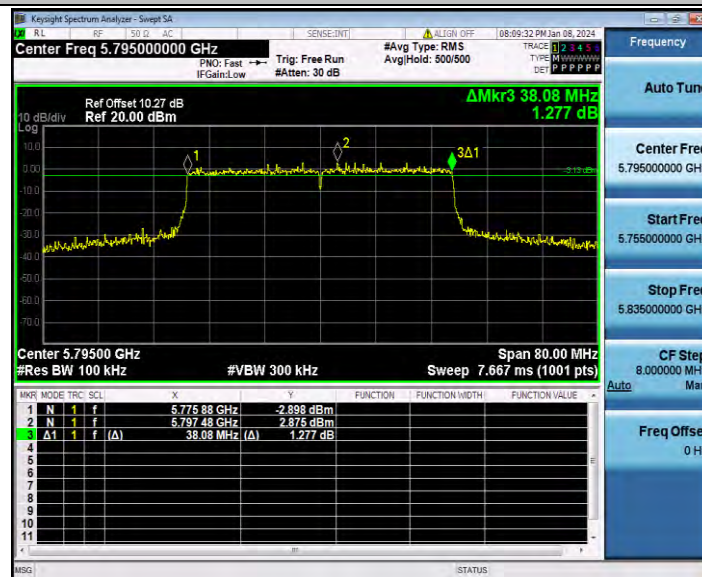
11AX20SISO_Ant1_5825



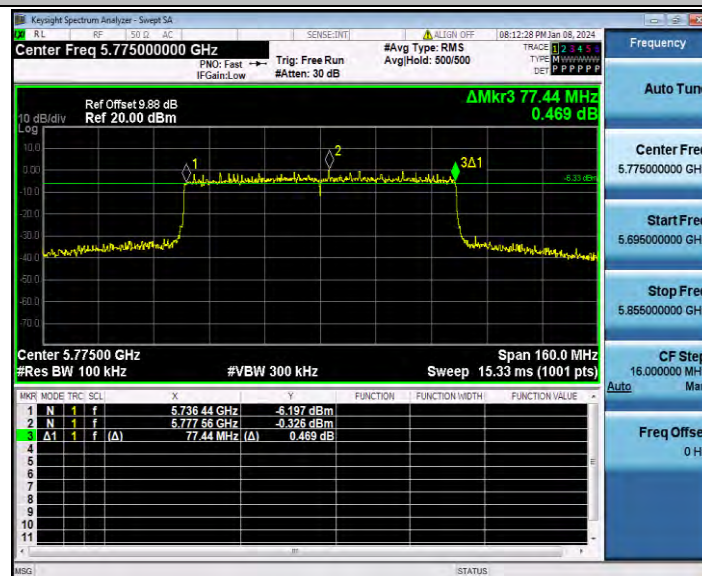
11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775

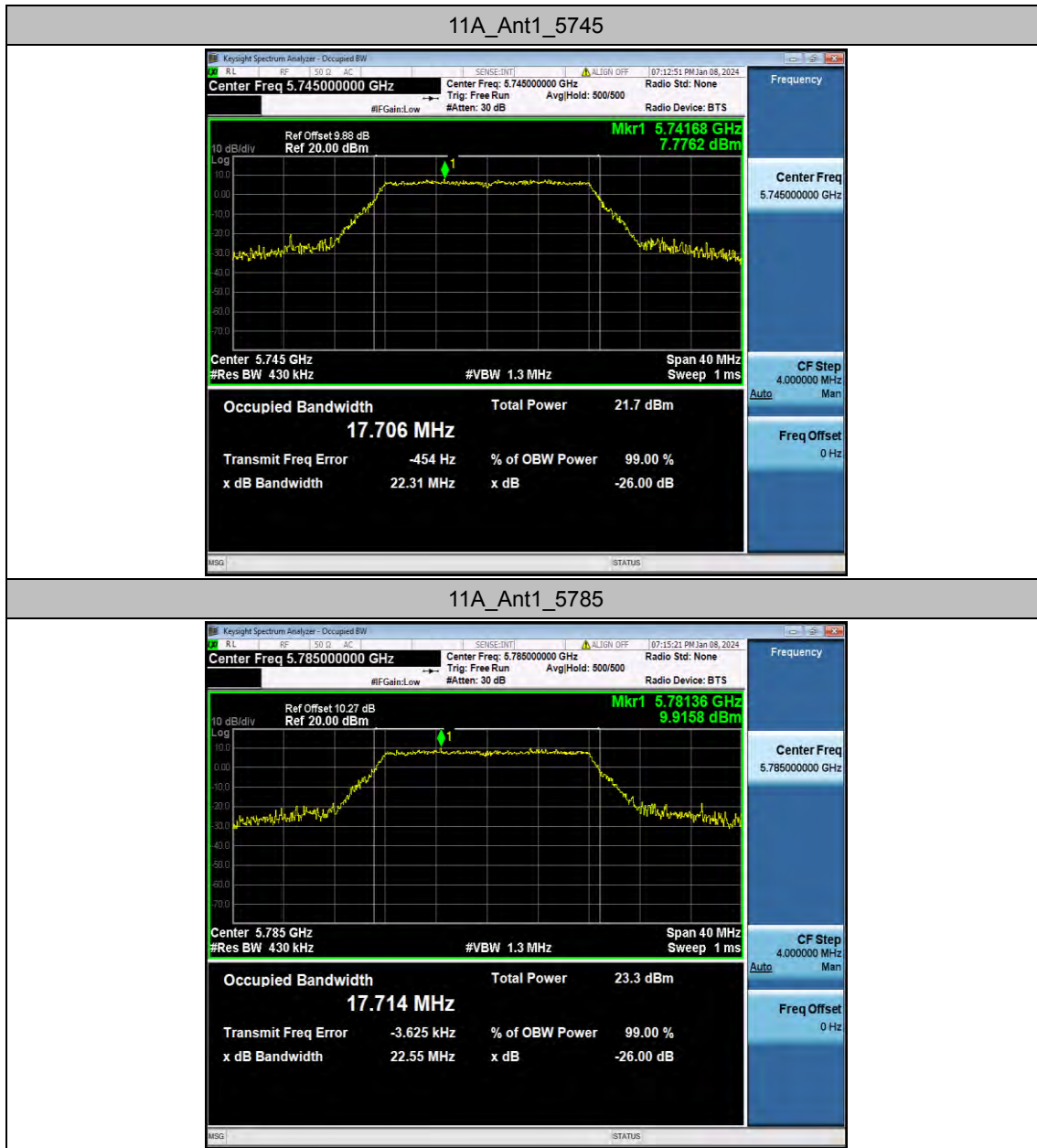


Appendix G.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.706	5736.1466	5753.8526	---	---
		5785	17.714	5776.1394	5793.8534	---	---
		5825	17.745	5816.0703	5833.8153	---	---
11N20SISO	Ant1	5745	18.590	5735.7002	5754.2902	---	---
		5785	18.528	5775.7494	5794.2774	---	---
		5825	18.555	5815.6668	5834.2218	---	---
11N40SISO	Ant1	5755	36.973	5736.5368	5773.5098	---	---
		5795	36.877	5776.6328	5813.5098	---	---
11AC20SISO	Ant1	5745	18.557	5735.7026	5754.2596	---	---
		5785	18.546	5775.7159	5794.2619	---	---
		5825	18.533	5815.6921	5834.2251	---	---
11AC40SISO	Ant1	5755	36.963	5736.5394	5773.5024	---	---
		5795	36.930	5776.5998	5813.5298	---	---
11AC80SISO	Ant1	5775	75.700	5737.2716	5812.9716	---	---
11AX20SISO	Ant1	5745	19.397	5735.3185	5754.7155	---	---
		5785	19.369	5775.3265	5794.6955	---	---
		5825	19.397	5815.2838	5834.6808	---	---
11AX40SISO	Ant1	5755	38.131	5735.9124	5774.0434	---	---
		5795	38.013	5776.0636	5814.0766	---	---
11AX80SISO	Ant1	5775	77.527	5736.3831	5813.9101	---	---

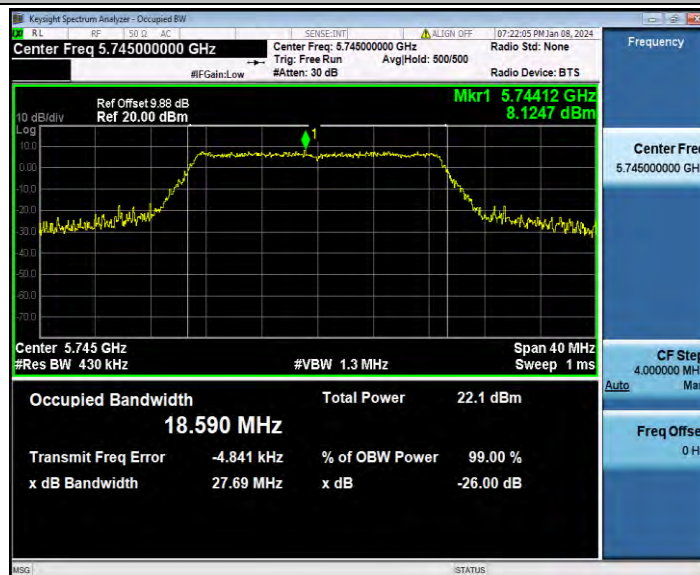
Test Graphs

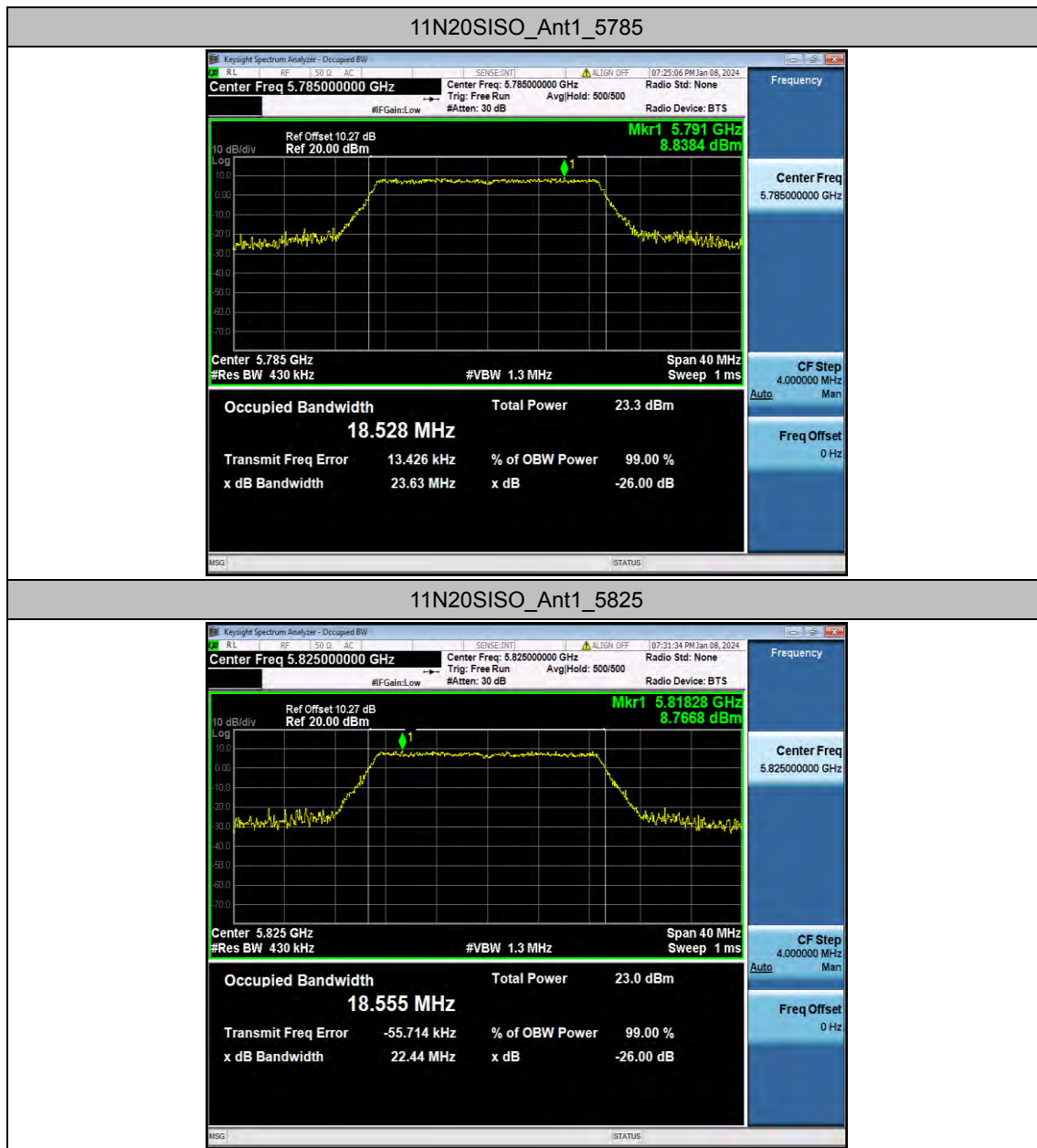


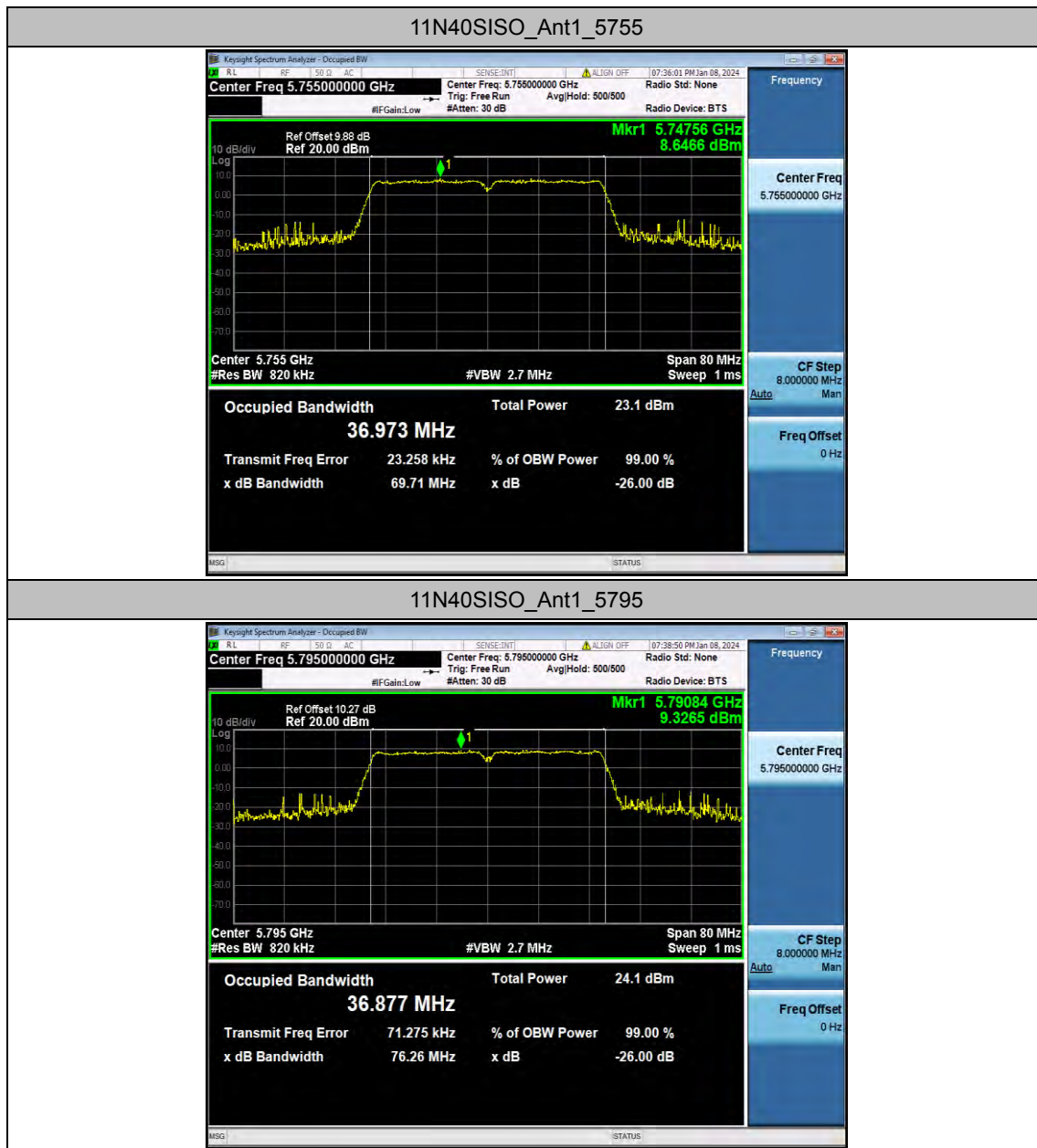
11A_Ant1_5825

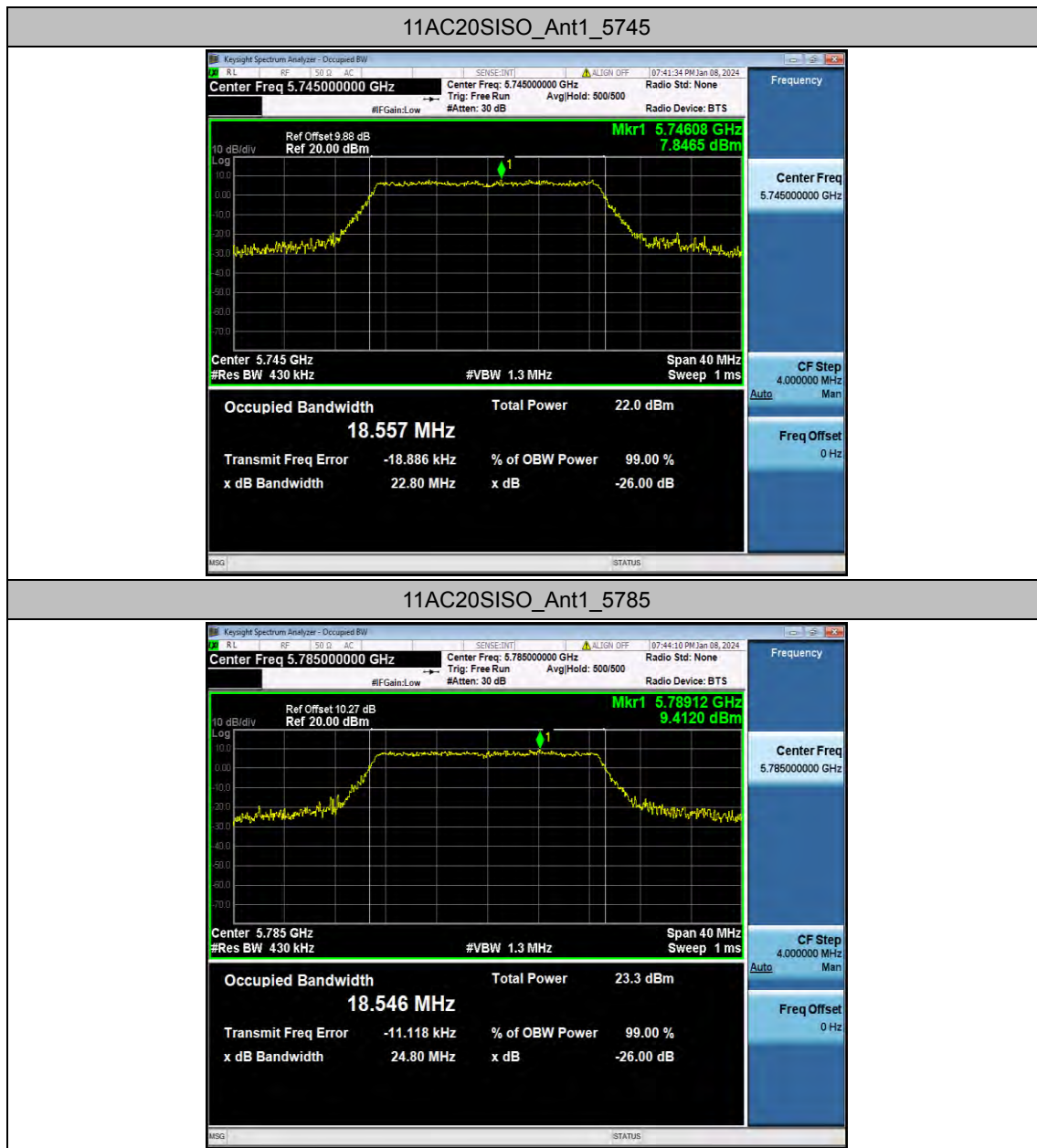


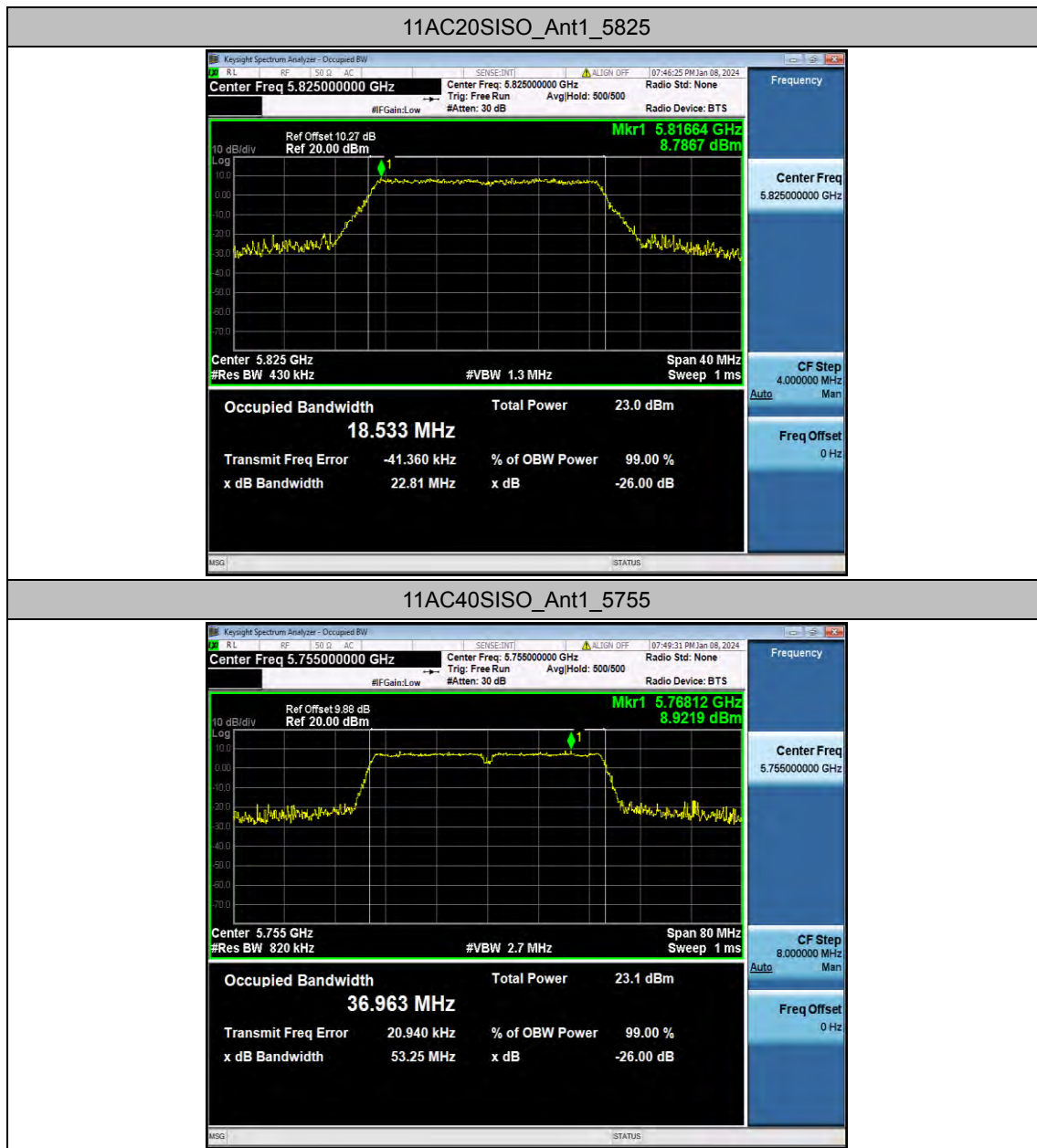
11N20SISO_Ant1_5745

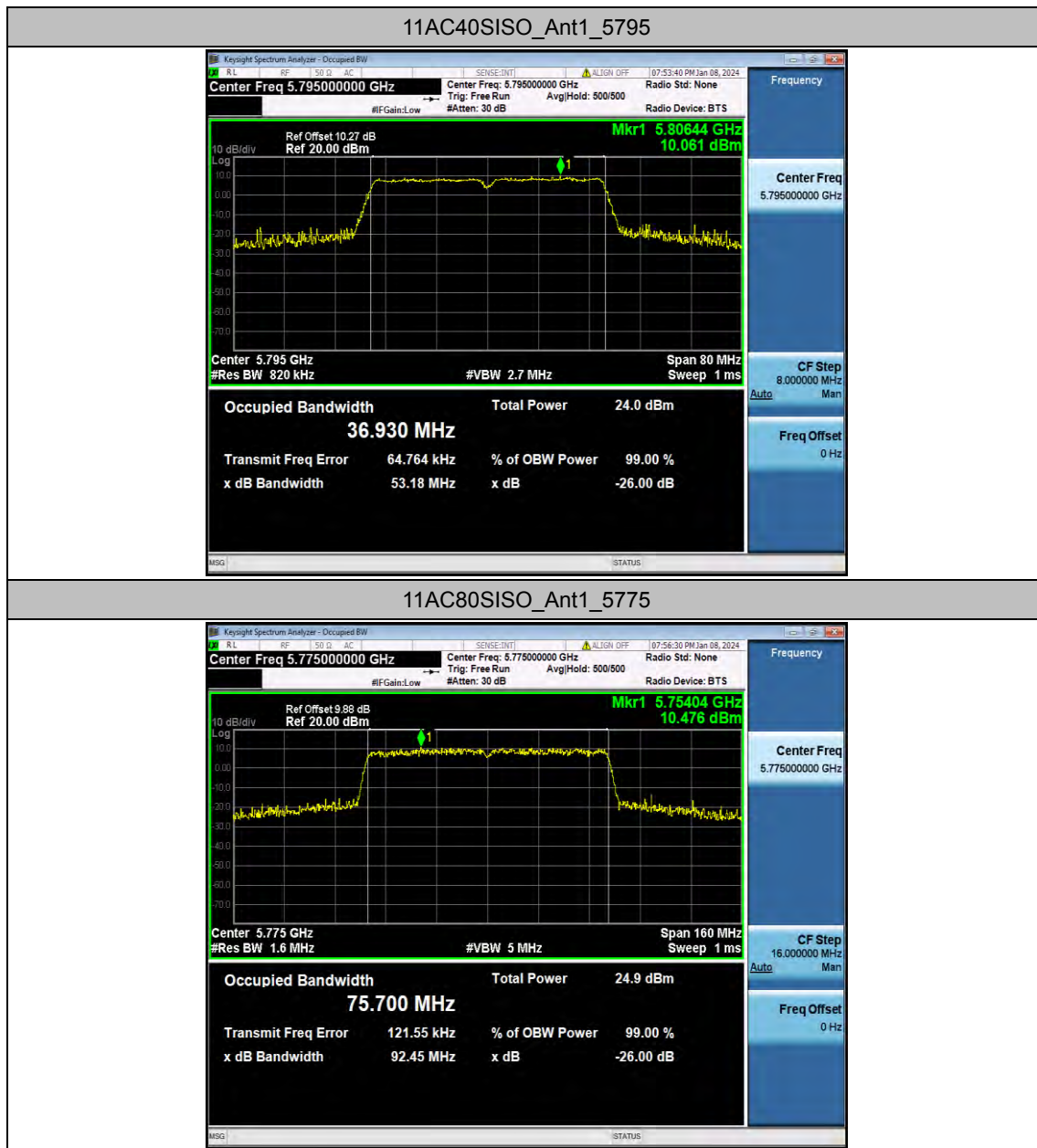


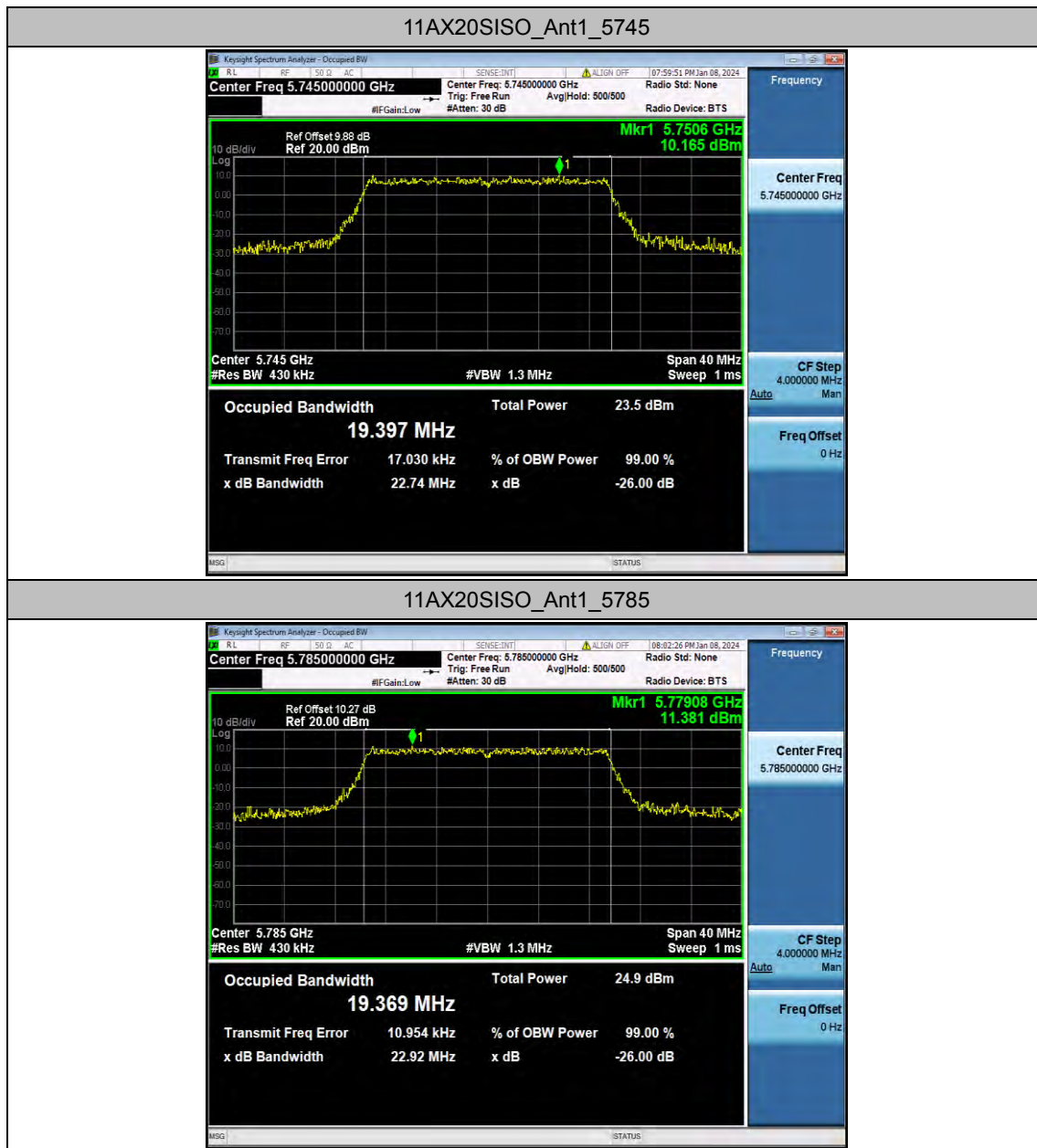


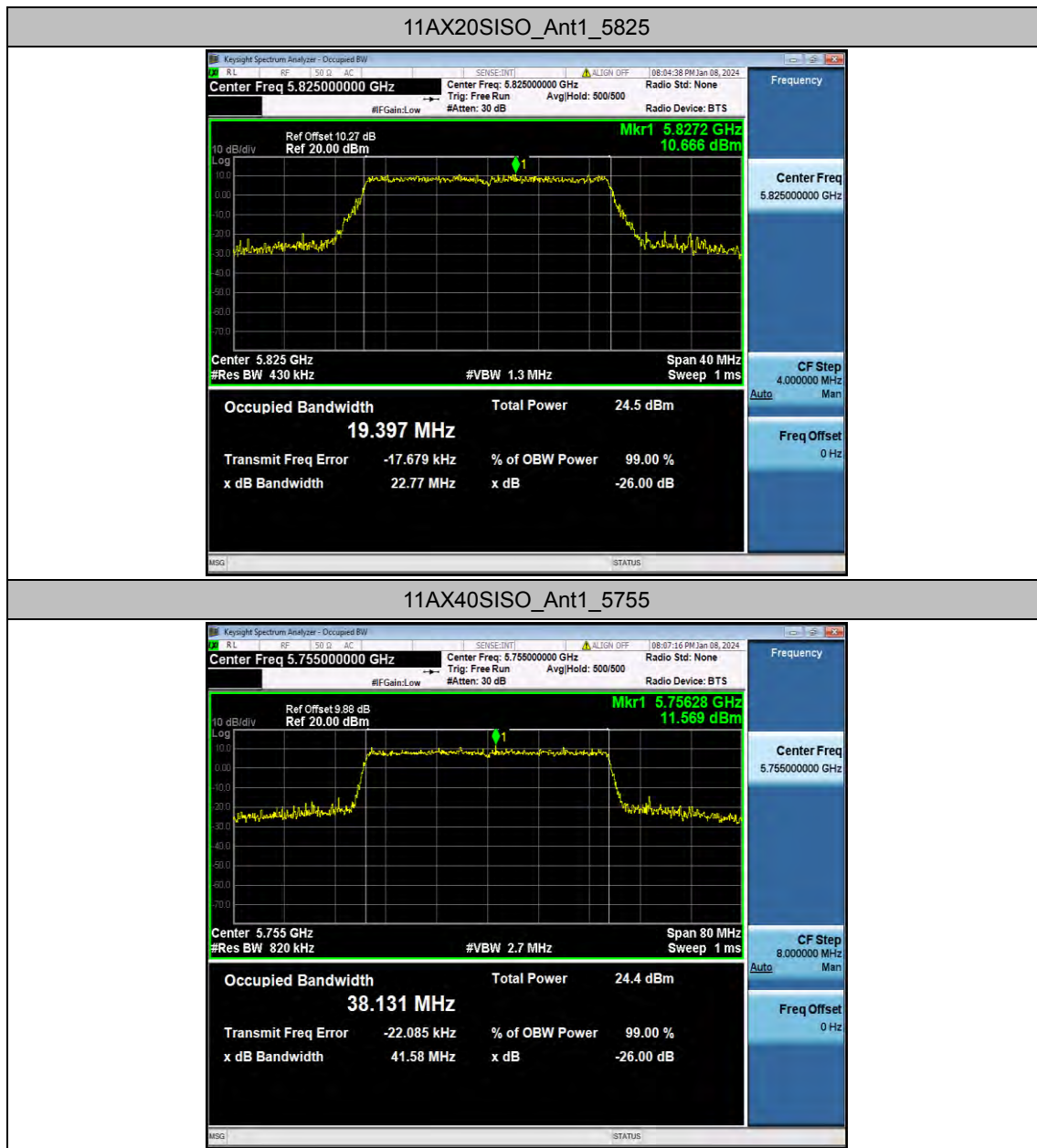


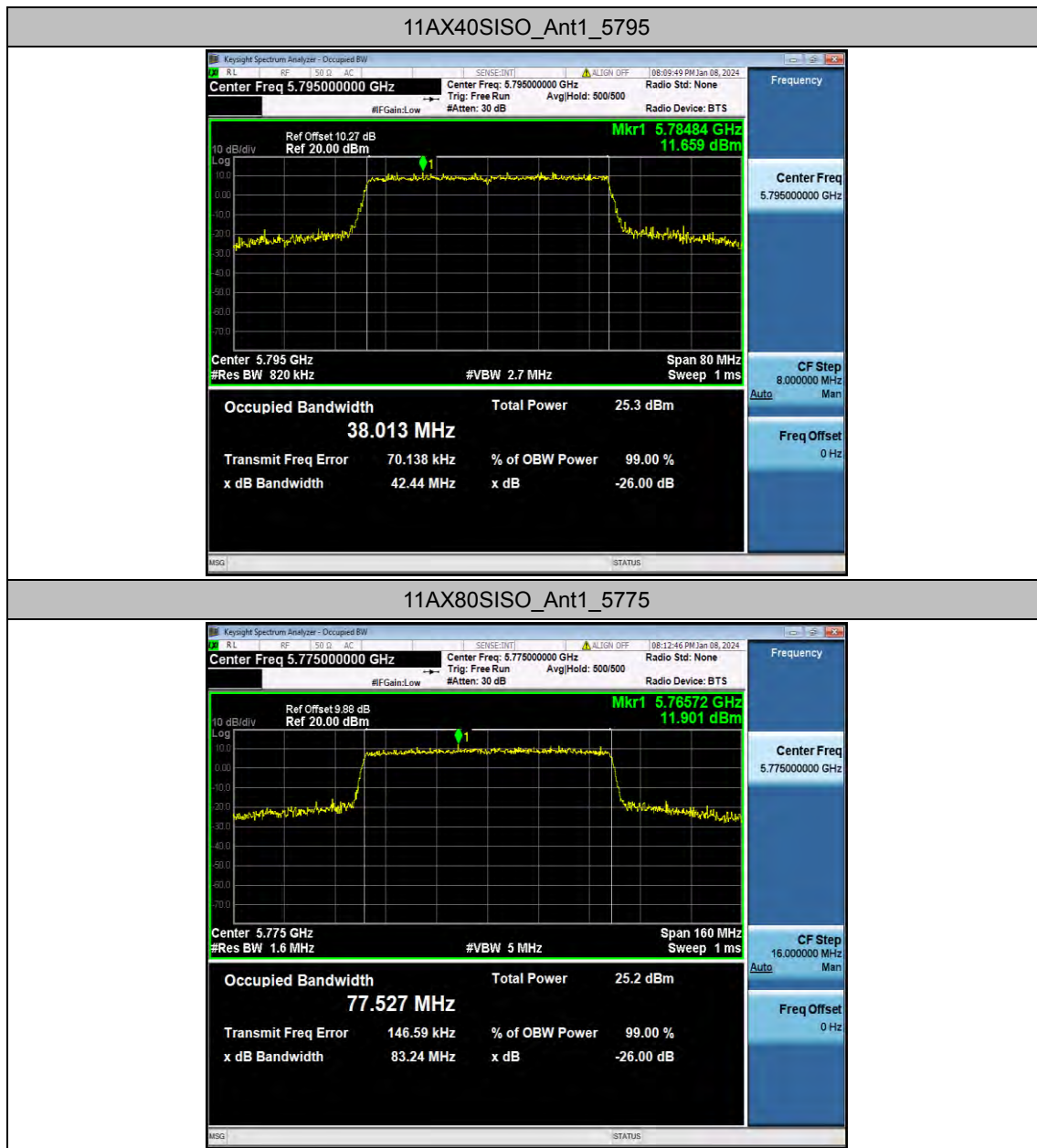










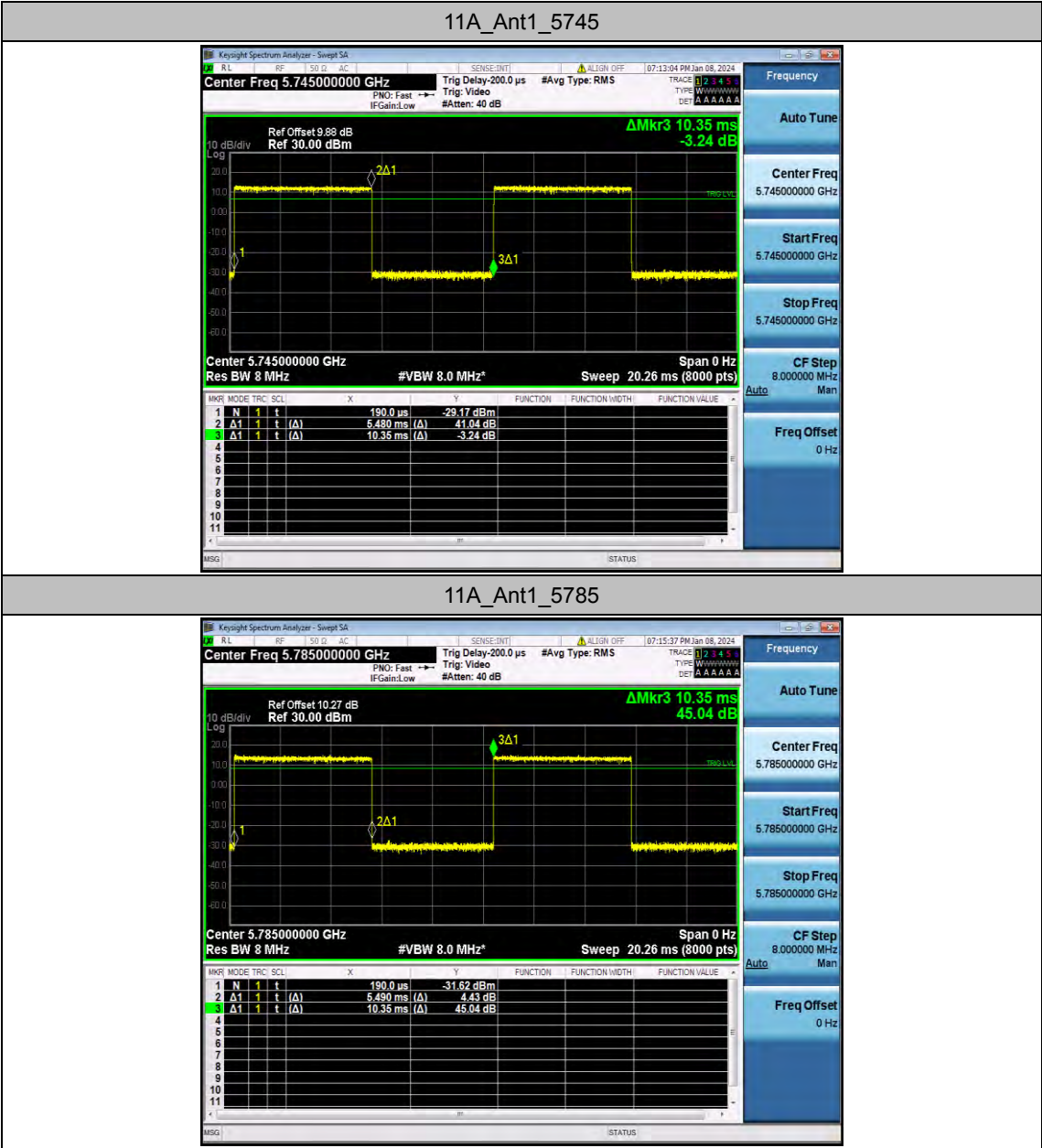


Appendix G.3: Duty Cycle

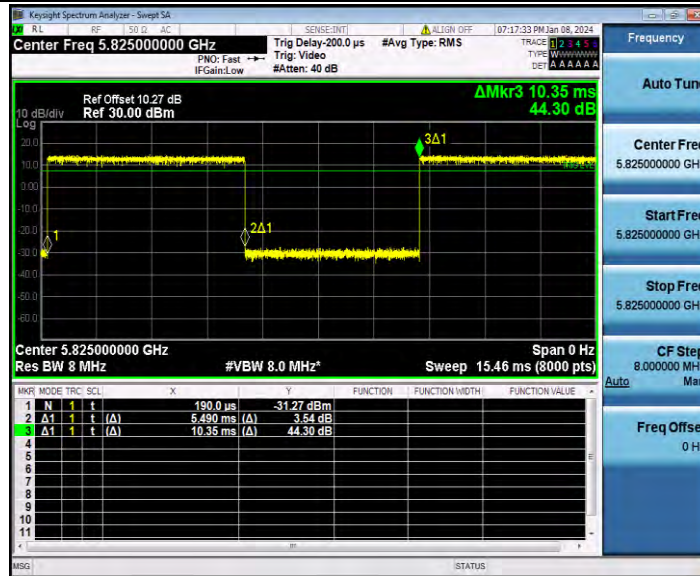
Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	5.48	10.35	52.95	2.76	0.18
		5785	5.49	10.35	53.04	2.75	0.18
		5825	5.49	10.35	53.04	2.75	0.18
11N20SISO	Ant1	5745	5.37	10.34	51.93	2.85	0.19
		5785	5.38	10.35	51.98	2.84	0.19
		5825	5.37	10.35	51.88	2.85	0.19
11N40SISO	Ant1	5755	5.16	10.35	49.86	3.02	0.19
		5795	5.15	10.35	49.76	3.03	0.19
11AC20SISO	Ant1	5745	5.39	10.35	52.08	2.83	0.19
		5785	5.38	10.35	51.98	2.84	0.19
		5825	5.38	10.35	51.98	2.84	0.19
11AC40SISO	Ant1	5755	5.16	10.34	49.90	3.02	0.19
		5795	5.16	10.35	49.86	3.02	0.19
11AC80SISO	Ant1	5775	4.75	10.34	45.94	3.38	0.21
11AX20SISO	Ant1	5745	4.65	10.34	44.97	3.47	0.22
		5785	4.65	10.35	44.93	3.47	0.22
		5825	4.65	10.35	44.93	3.47	0.22
11AX40SISO	Ant1	5755	4.65	10.34	44.97	3.47	0.22
		5795	4.64	10.35	44.83	3.48	0.22
11AX80SISO	Ant1	5775	4.42	10.35	42.71	3.69	0.23

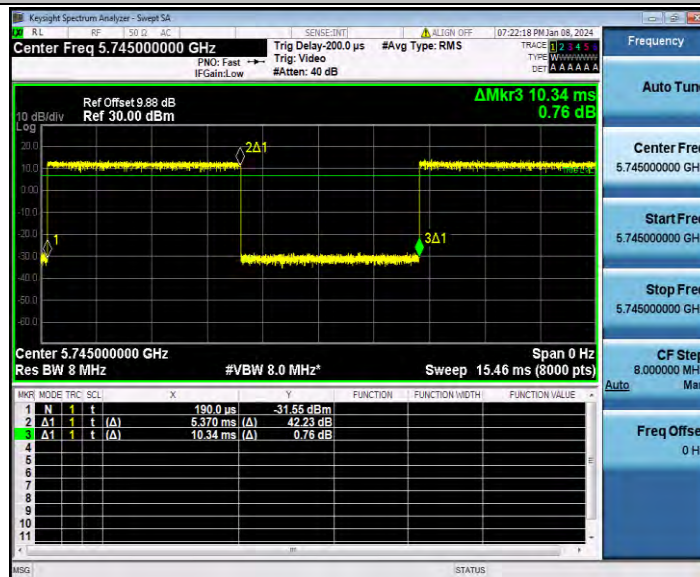
Test Graphs

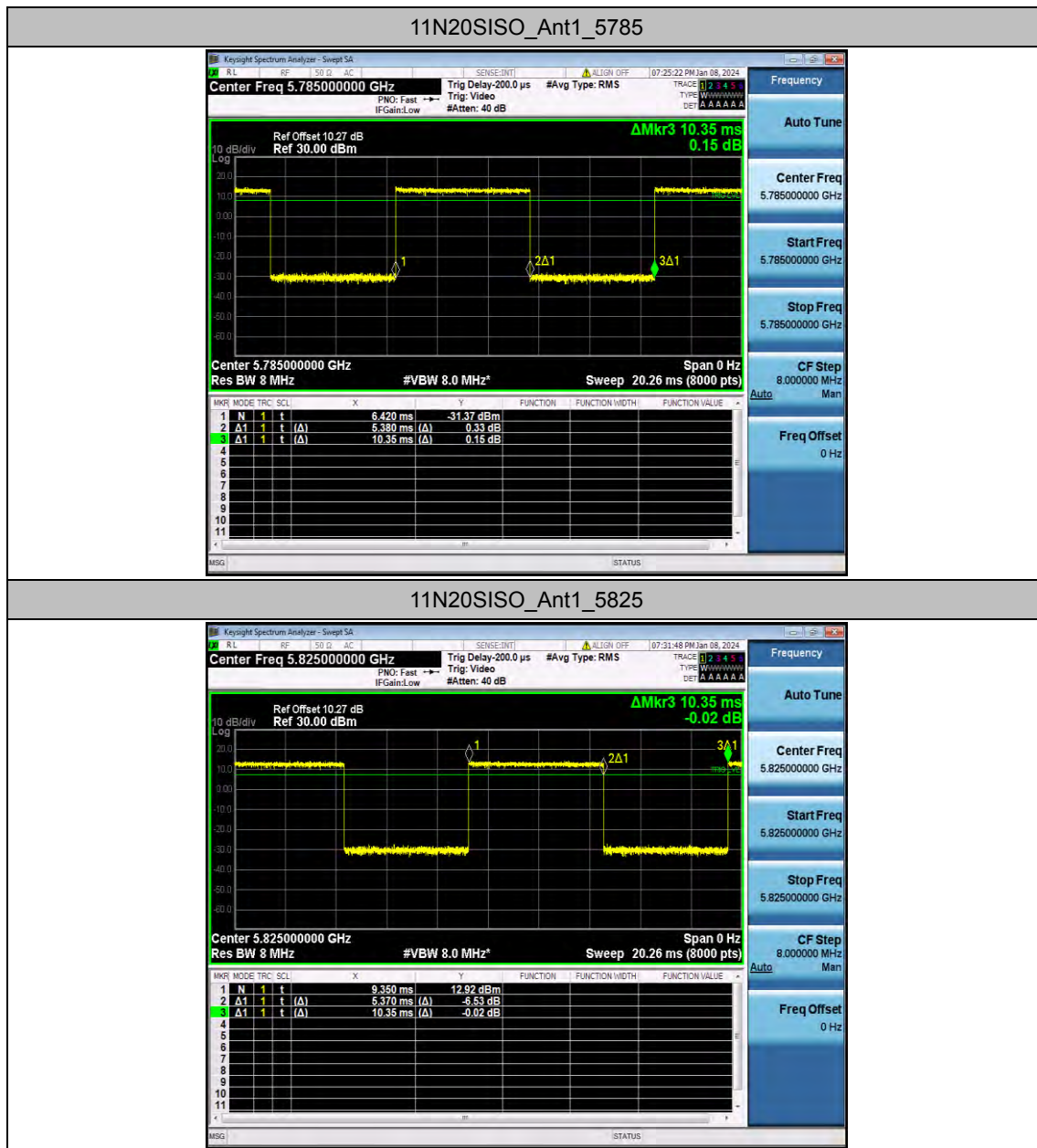


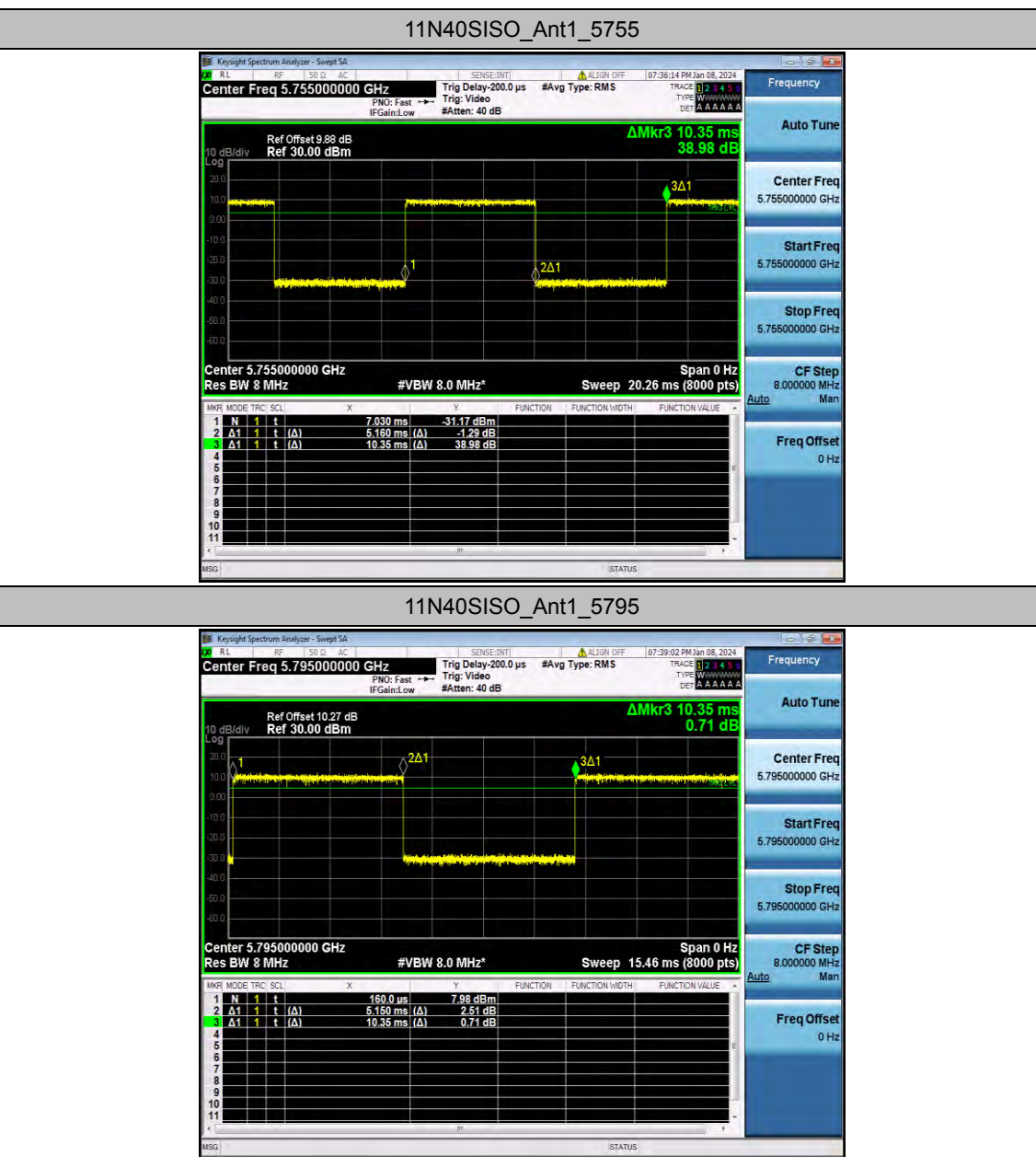
11A_Ant1_5825



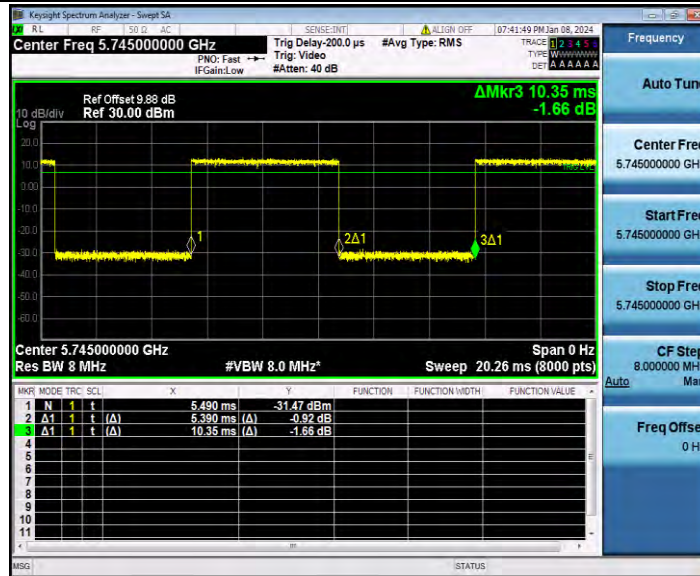
11N20SISO_Ant1_5745



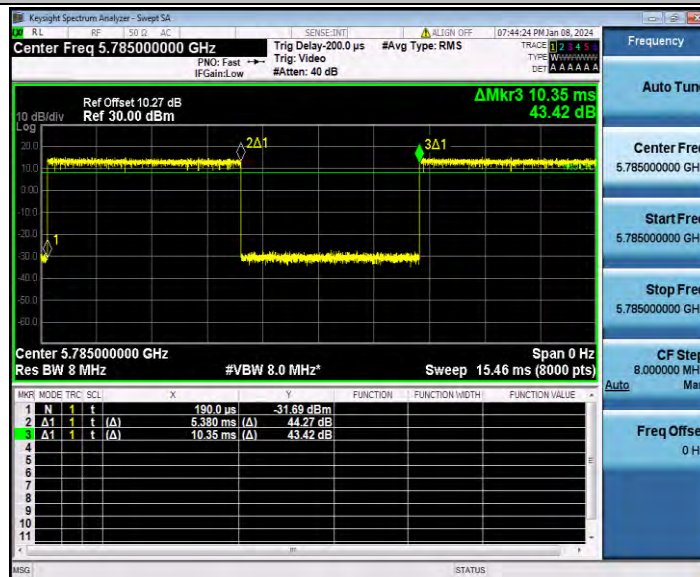


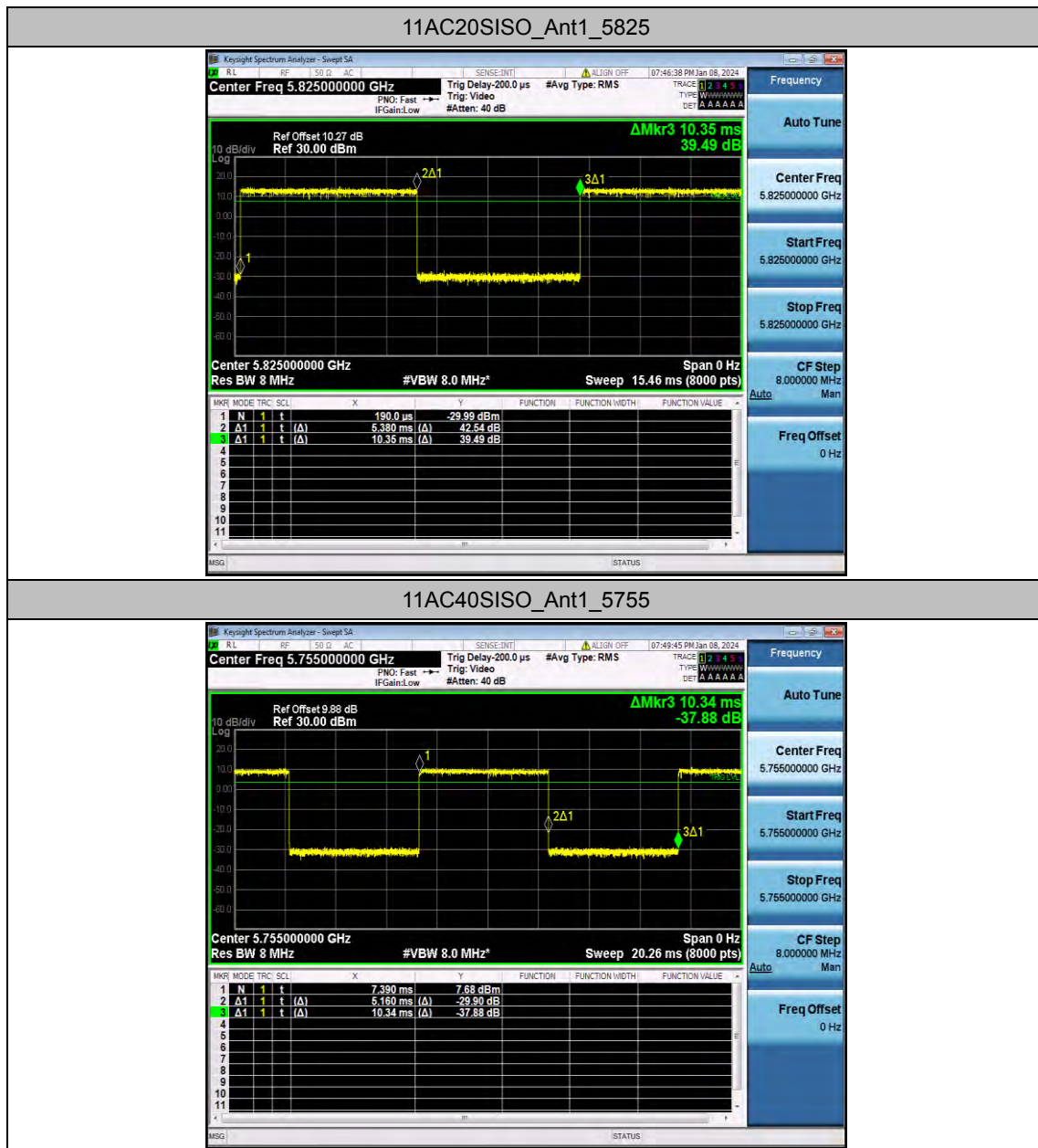


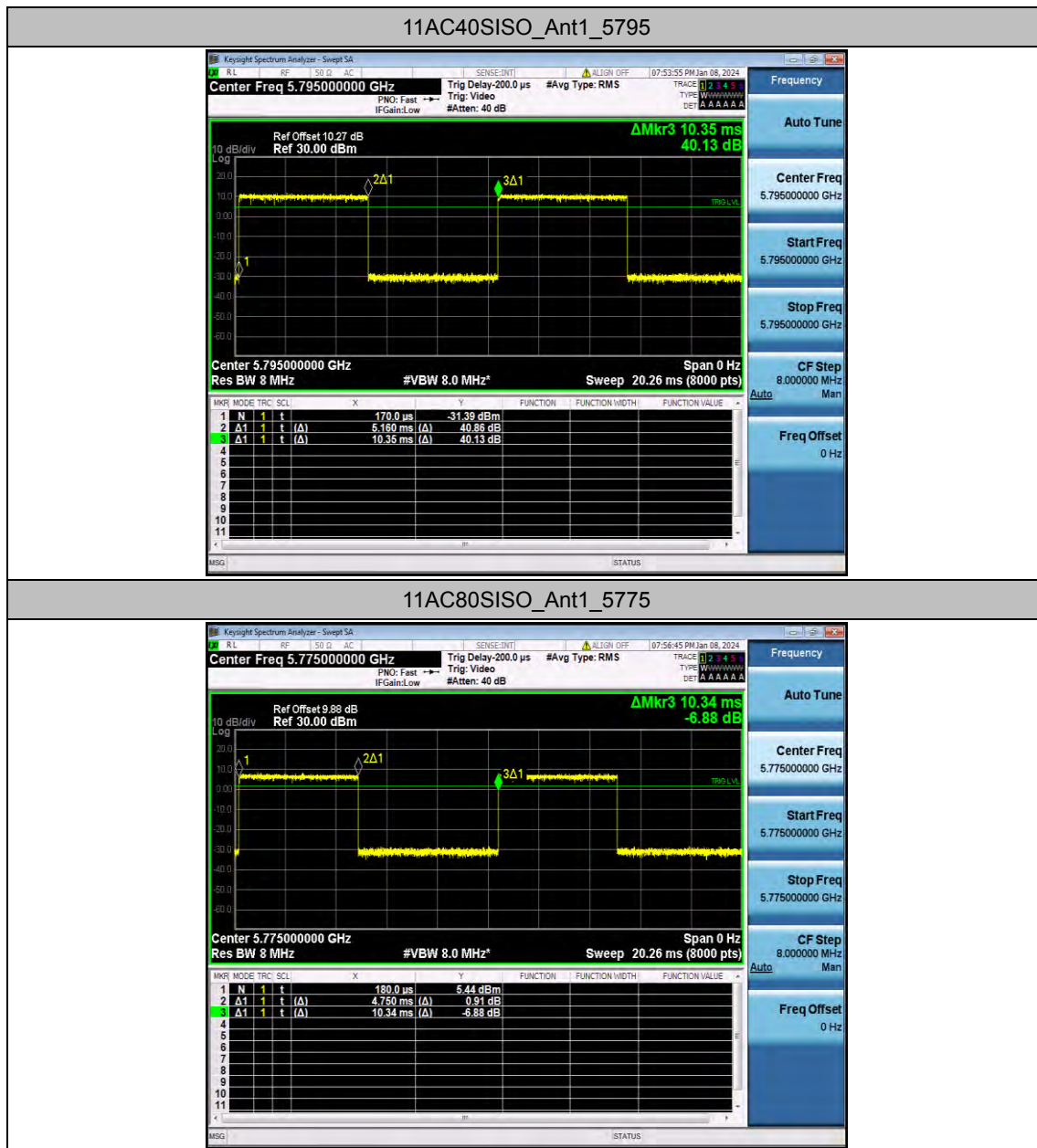
11AC20SISO_Ant1_5745



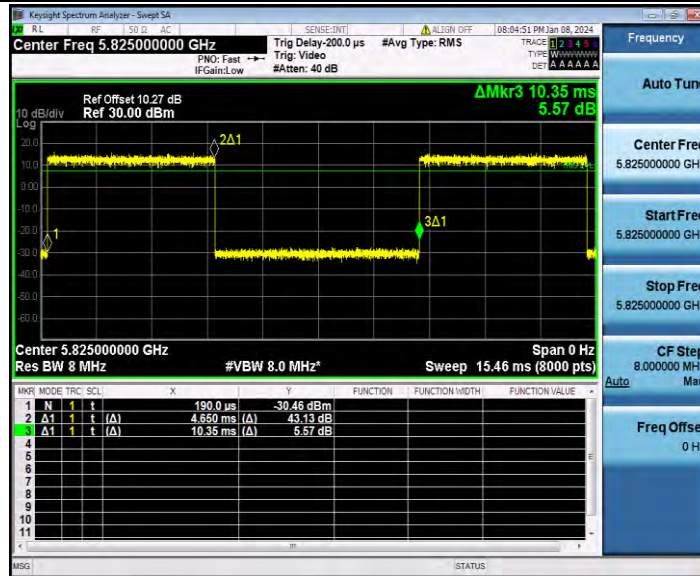
11AC20SISO_Ant1_5785



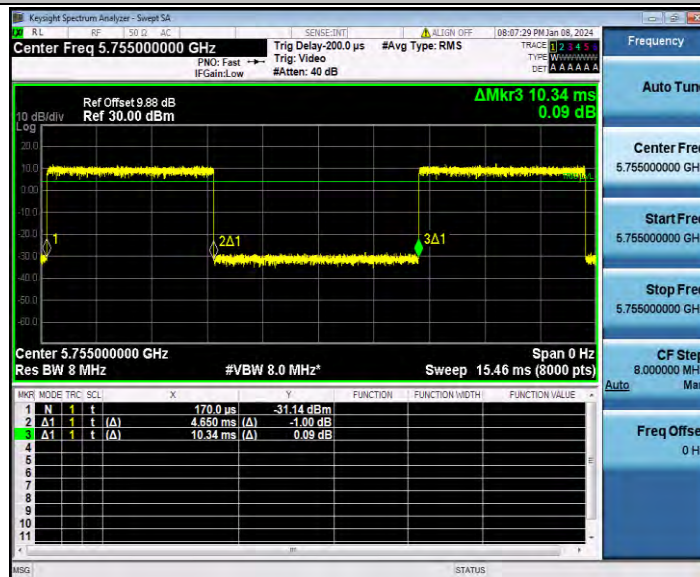


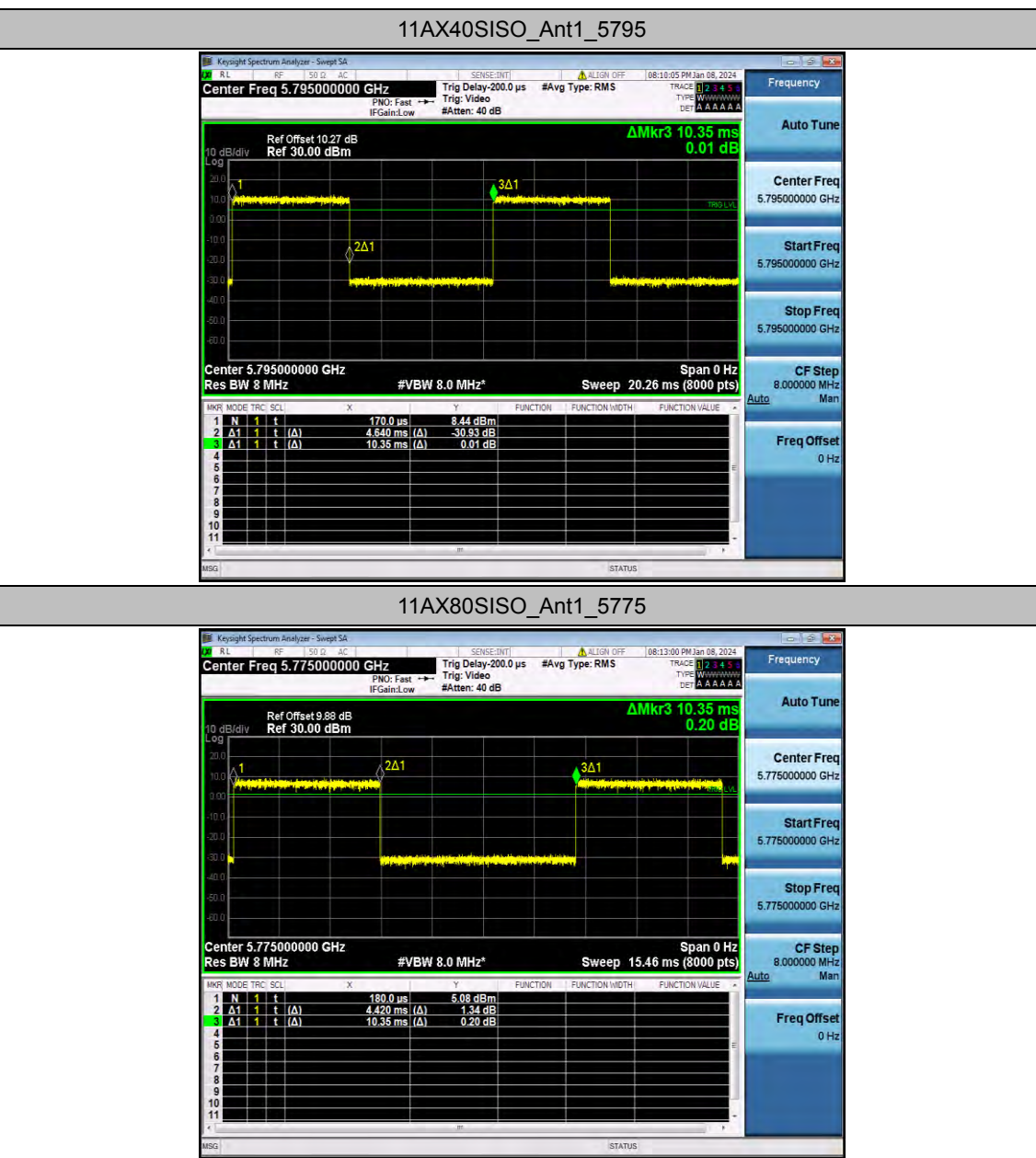


11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755





Appendix G.4: Maximum conducted output power

Test Result

Test Mode	Antenna	Freq(M Hz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	12.69	52.95	2.76	15.45	≤30.00	PASS
		5785	14.00	53.04	2.75	16.75	≤30.00	PASS
		5825	13.52	53.04	2.75	16.27	≤30.00	PASS
11N20S ISO	Ant1	5745	12.70	51.93	2.85	15.55	≤30.00	PASS
		5785	13.88	51.98	2.84	16.72	≤30.00	PASS
		5825	13.52	51.88	2.85	16.37	≤30.00	PASS
11N40S ISO	Ant1	5755	12.76	49.86	3.02	15.78	≤30.00	PASS
		5795	14.06	49.76	3.03	17.09	≤30.00	PASS
11AC20 SISO	Ant1	5745	12.60	52.08	2.83	15.43	≤30.00	PASS
		5785	13.91	51.98	2.84	16.75	≤30.00	PASS
		5825	13.70	51.98	2.84	16.54	≤30.00	PASS
11AC40 SISO	Ant1	5755	12.96	49.90	3.02	15.98	≤30.00	PASS
		5795	13.84	49.86	3.02	16.86	≤30.00	PASS
11AC80 SISO	Ant1	5775	12.88	45.94	3.38	16.26	≤30.00	PASS
11AX20 SISO	Ant1	5745	12.25	44.97	3.47	15.72	≤30.00	PASS
		5785	13.66	44.93	3.47	17.13	≤30.00	PASS
		5825	13.31	44.93	3.47	16.78	≤30.00	PASS
11AX40 SISO	Ant1	5755	12.37	44.97	3.47	15.84	≤30.00	PASS
		5795	13.43	44.83	3.48	16.91	≤30.00	PASS
11AX80 SISO	Ant1	5775	12.66	42.71	3.69	16.35	≤30.00	PASS

Note: The Duty Cycle Factor is compensated in the graph.

Appendix G.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	3.96	≤30.00	PASS
		5785	5.31	≤30.00	PASS
		5825	4.87	≤30.00	PASS
11N20SISO	Ant1	5745	3.81	≤30.00	PASS
		5785	5.19	≤30.00	PASS
		5825	4.85	≤30.00	PASS
11N40SISO	Ant1	5755	1.45	≤30.00	PASS
		5795	2.57	≤30.00	PASS
11AC20SISO	Ant1	5745	3.63	≤30.00	PASS
		5785	5.09	≤30.00	PASS
		5825	5.07	≤30.00	PASS
11AC40SISO	Ant1	5755	1.29	≤30.00	PASS
		5795	2.51	≤30.00	PASS
11AC80SISO	Ant1	5775	-0.91	≤30.00	PASS
11AX20SISO	Ant1	5745	3.83	≤30.00	PASS
		5785	5.27	≤30.00	PASS
		5825	5.09	≤30.00	PASS
11AX40SISO	Ant1	5755	1.47	≤30.00	PASS
		5795	2.57	≤30.00	PASS
11AX80SISO	Ant1	5775	-0.94	≤30.00	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_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



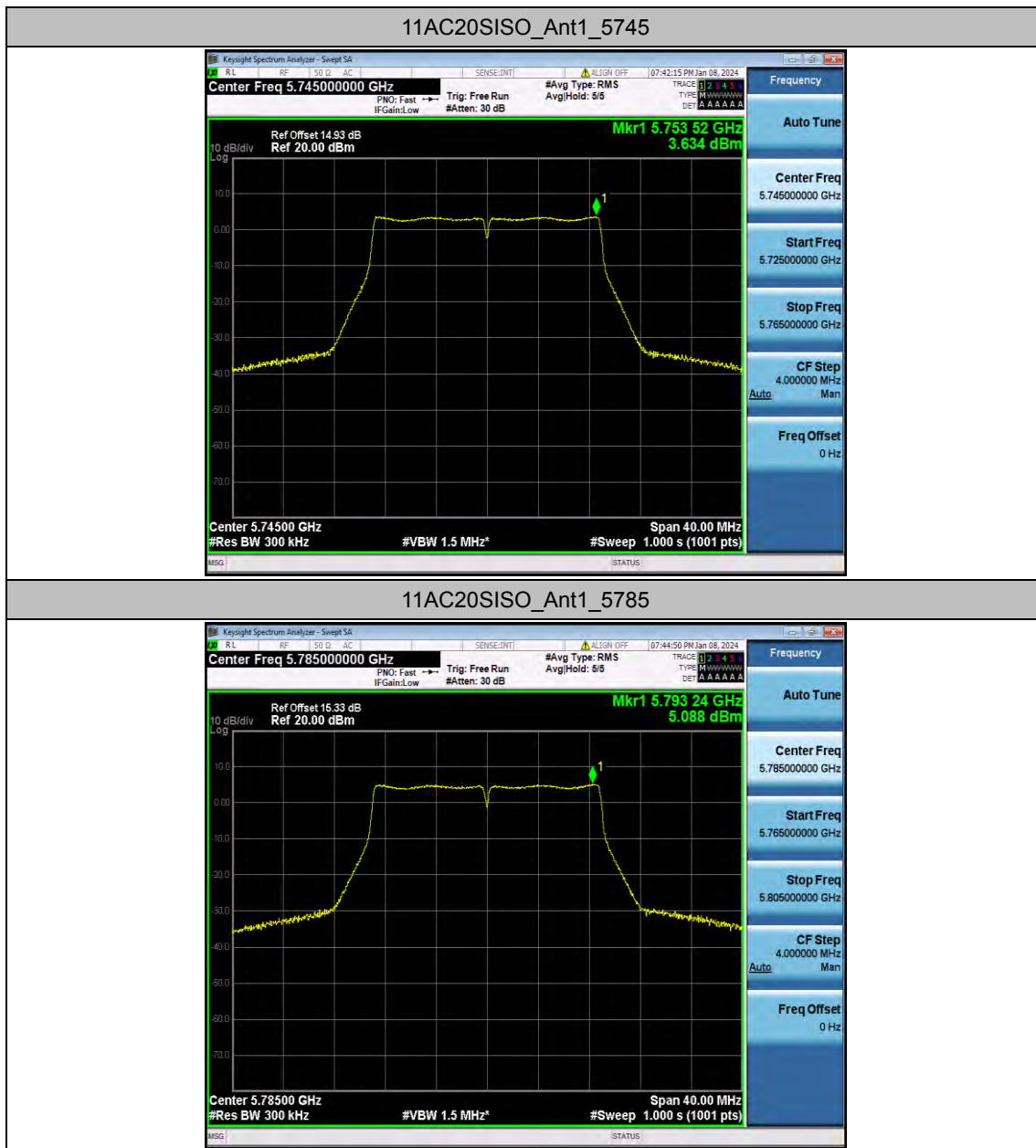
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825







11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755





