

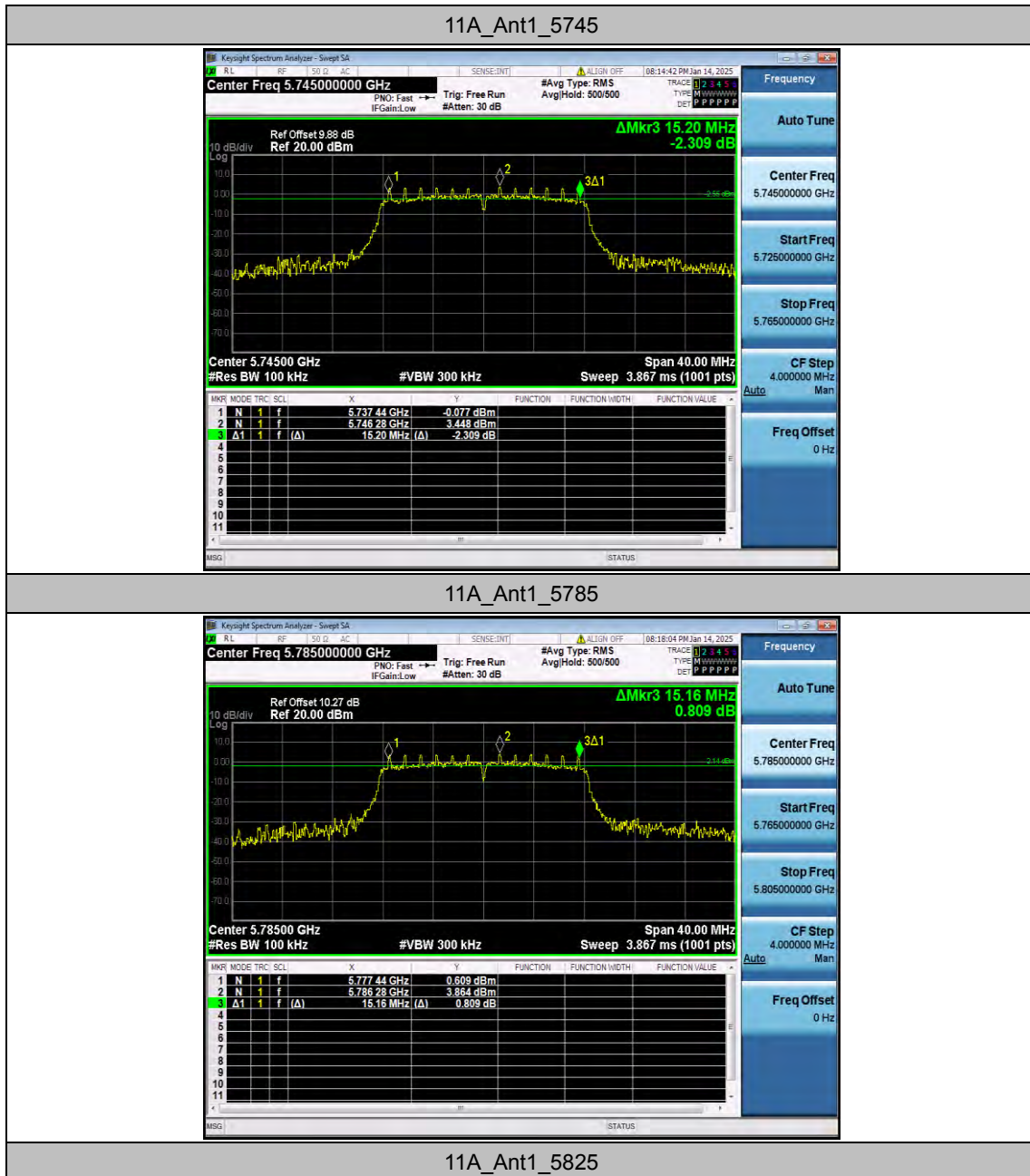
Case No. : <u>GTS20241129021-1-05</u>	
Ambient Condition: <u>21</u> °C, <u>51</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.1.14</u>	Test Engineer: <u>Evan ouyang</u>

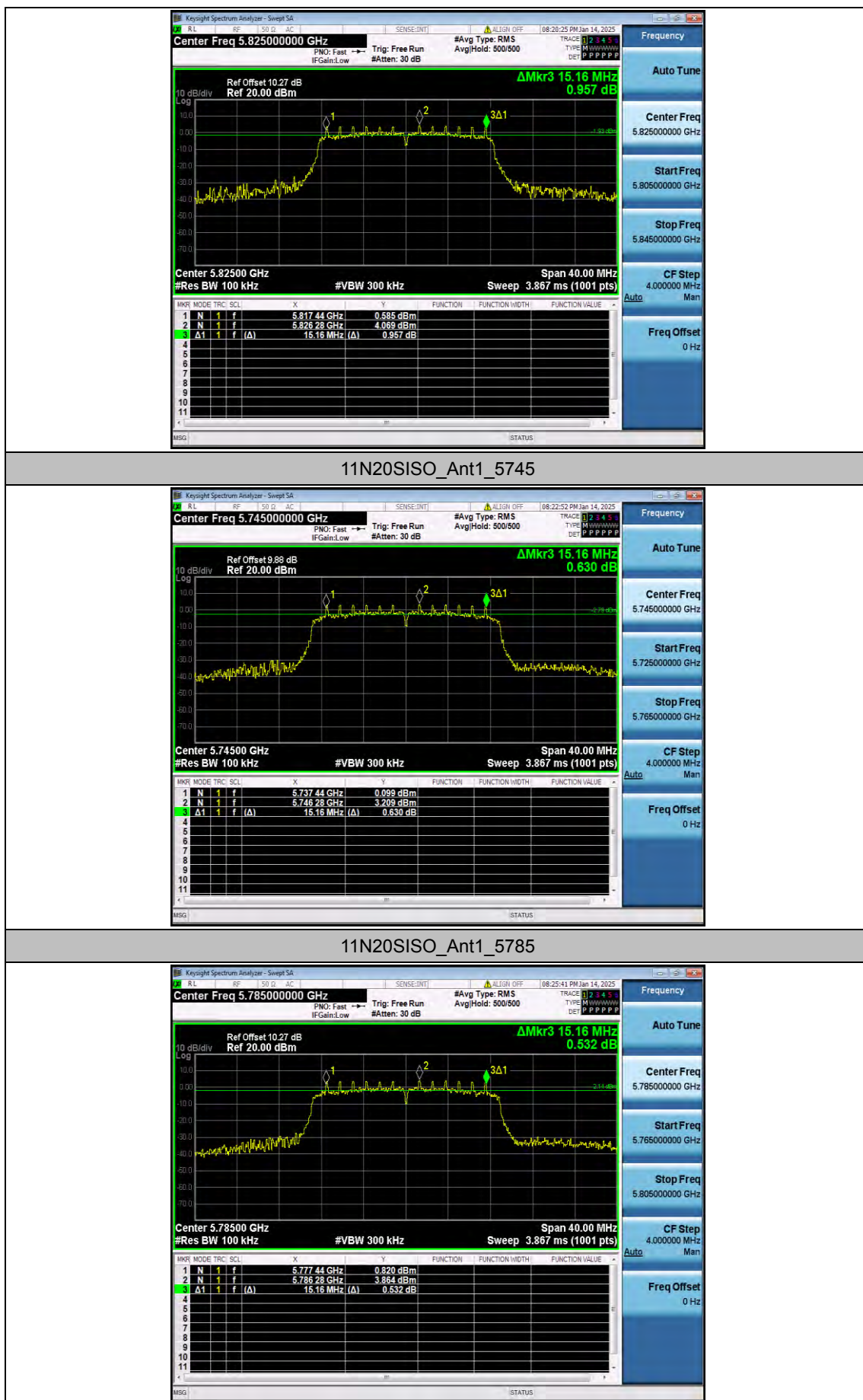
Appendix E.1: Min emission bandwidth

Test Result B4

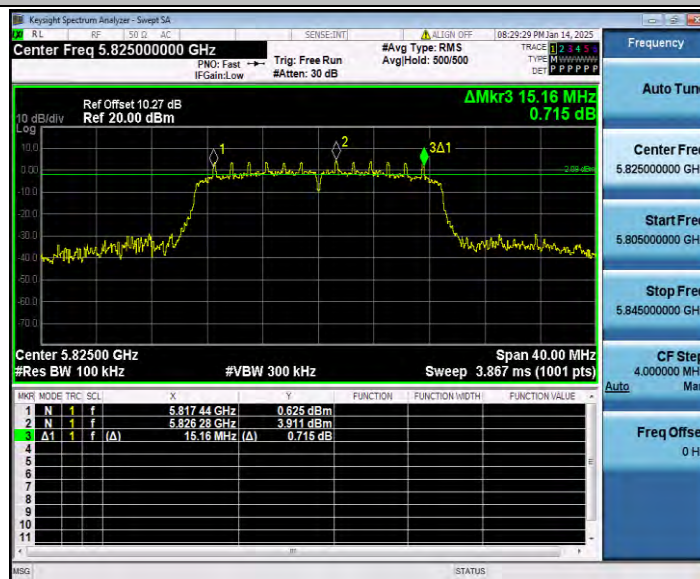
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.200	5737.440	5752.640	0.5	PASS
		5785	15.160	5777.440	5792.600	0.5	PASS
		5825	15.160	5817.440	5832.600	0.5	PASS
11N20SISO	Ant1	5745	15.160	5737.440	5752.600	0.5	PASS
		5785	15.160	5777.440	5792.600	0.5	PASS
		5825	15.160	5817.440	5832.600	0.5	PASS
11N40SISO	Ant1	5755	35.120	5737.480	5772.600	0.5	PASS
		5795	35.120	5777.480	5812.600	0.5	PASS
11AC20SISO	Ant1	5745	15.160	5737.440	5752.600	0.5	PASS
		5785	15.160	5777.440	5792.600	0.5	PASS
		5825	15.160	5817.440	5832.600	0.5	PASS
11AC40SISO	Ant1	5755	35.120	5737.480	5772.600	0.5	PASS
		5795	35.120	5777.480	5812.600	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS
11AX20SISO	Ant1	5745	15.200	5737.440	5752.640	0.5	PASS
		5785	15.200	5777.440	5792.640	0.5	PASS
		5825	15.160	5817.440	5832.600	0.5	PASS
11AX40SISO	Ant1	5755	35.120	5737.480	5772.600	0.5	PASS
		5795	35.200	5777.400	5812.600	0.5	PASS
11AX80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

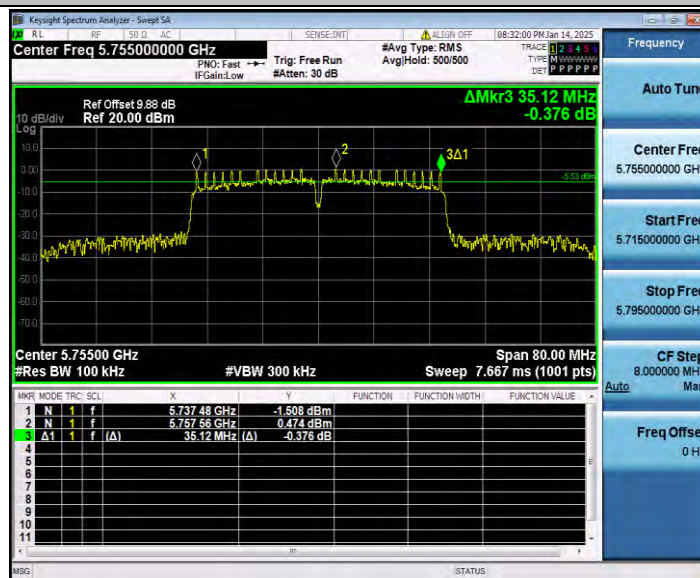




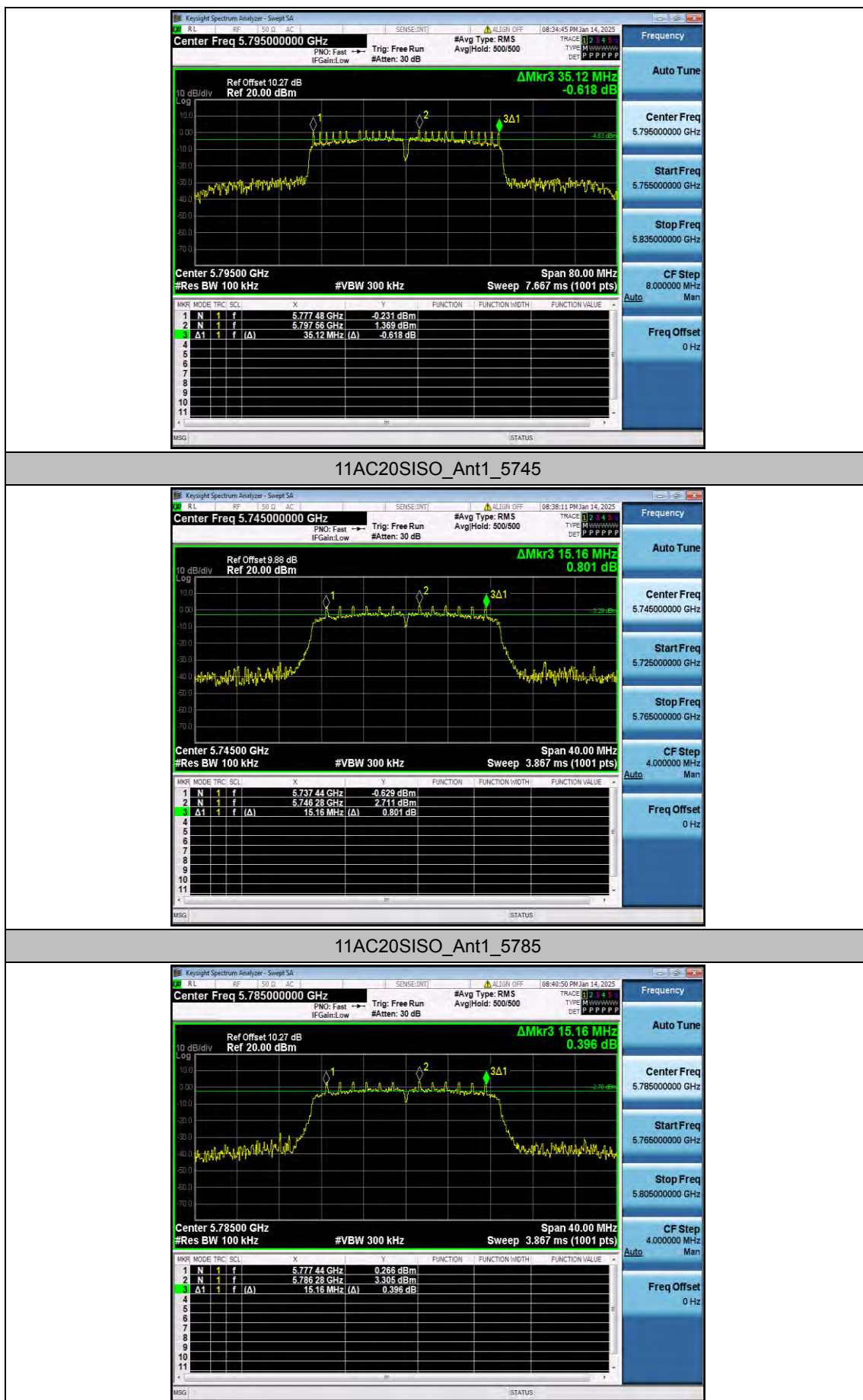
11N20SISO_Ant1_5825



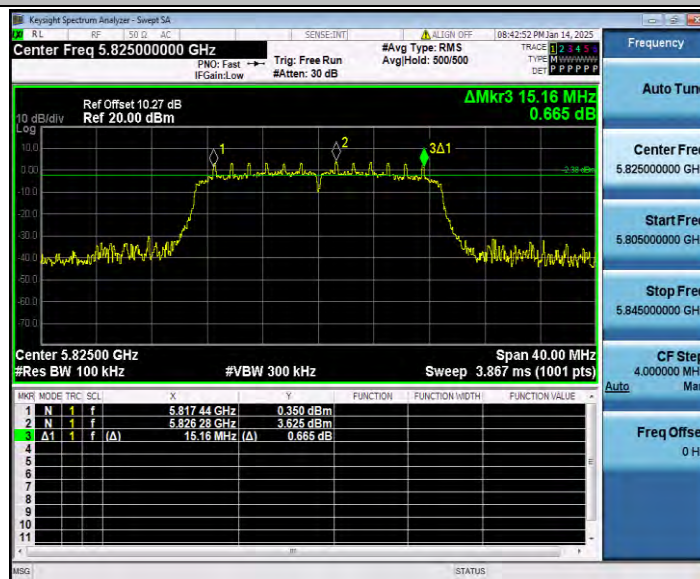
11N40SISO_Ant1_5755



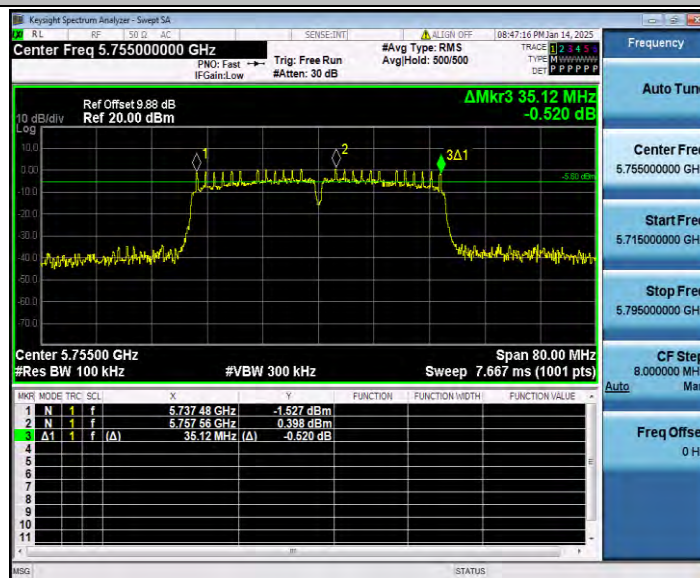
11N40SISO_Ant1_5795



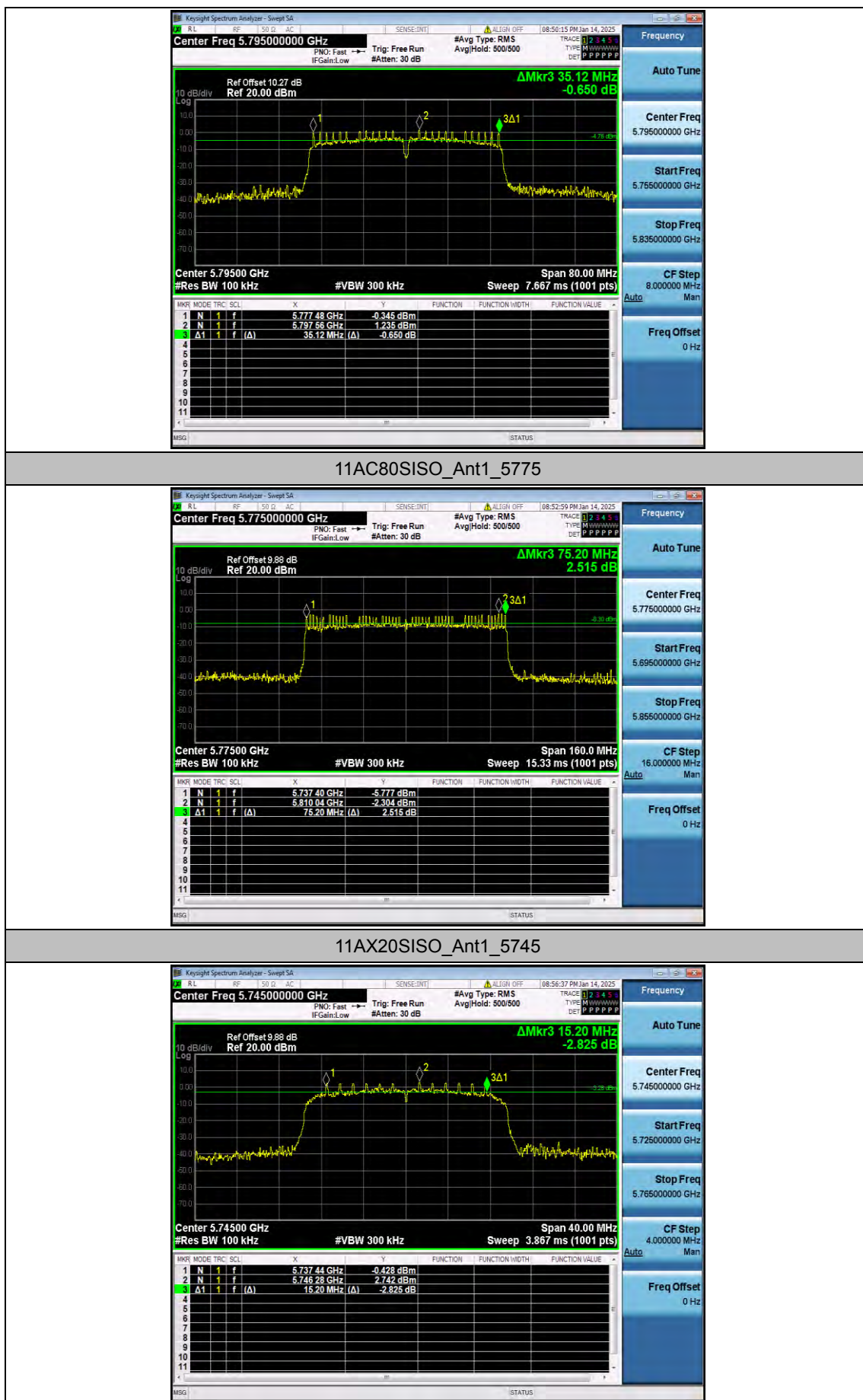
11AC20SISO_Ant1_5825

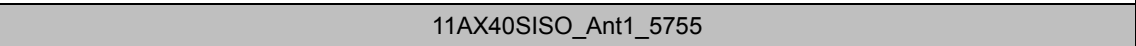
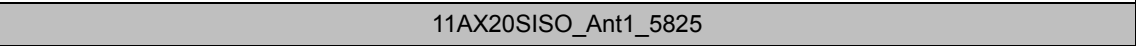


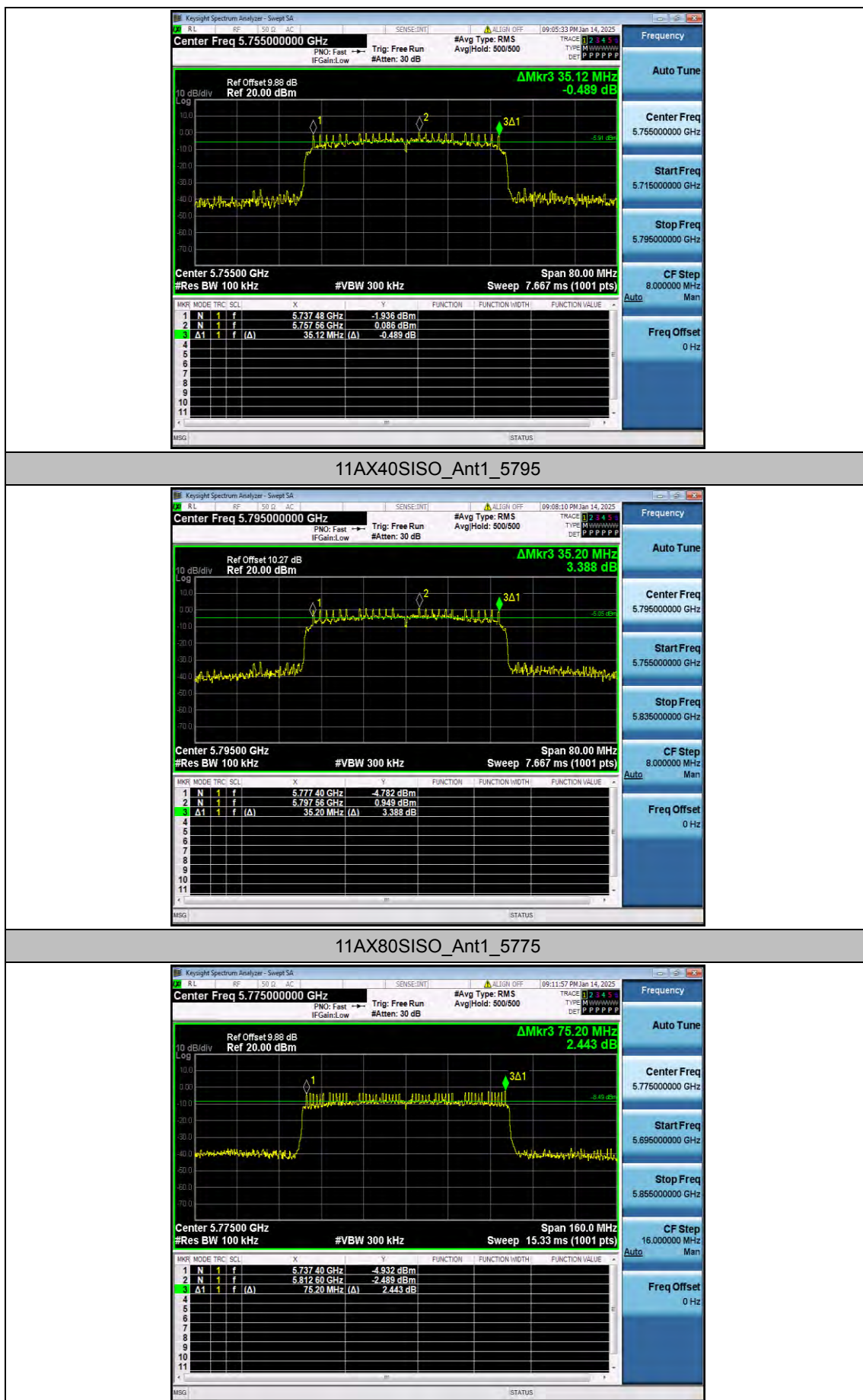
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795







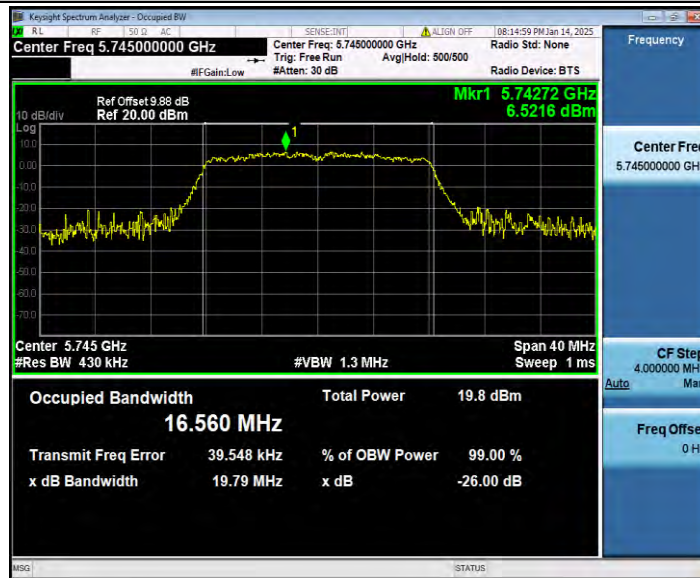
Appendix E.2: Occupied channel bandwidth

Test Result

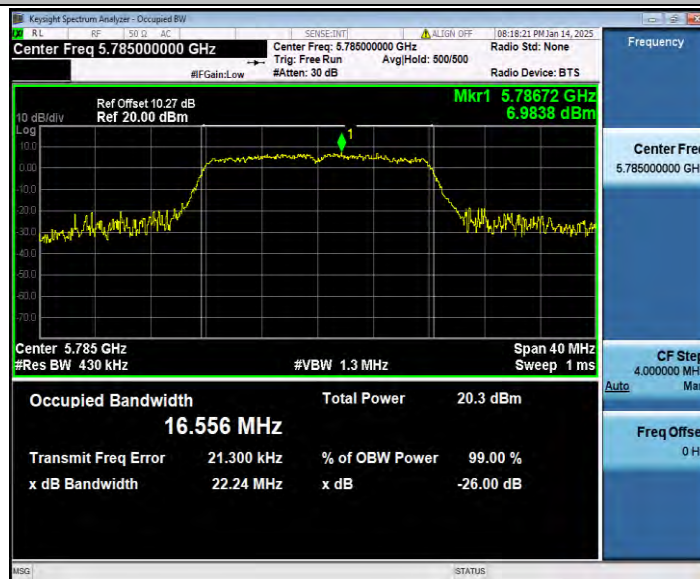
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.560	5736.7596	5753.3196	---	---
		5785	16.556	5776.7433	5793.2993	---	---
		5825	16.561	5816.7726	5833.3336	---	---
11N20SISO	Ant1	5745	17.501	5736.2915	5753.7925	---	---
		5785	17.525	5776.2785	5793.8035	---	---
		5825	17.457	5816.3062	5833.7632	---	---
11N40SISO	Ant1	5755	36.247	5736.9865	5773.2335	---	---
		5795	36.573	5776.8543	5813.4273	---	---
11AC20SISO	Ant1	5745	17.526	5736.2807	5753.8067	---	---
		5785	17.471	5776.2664	5793.7374	---	---
		5825	17.447	5816.2971	5833.7441	---	---
11AC40SISO	Ant1	5755	35.710	5737.2977	5773.0077	---	---
		5795	35.837	5777.2362	5813.0732	---	---
11AC80SISO	Ant1	5775	75.629	5737.5035	5813.1325	---	---
11AX20SISO	Ant1	5745	18.374	5735.8464	5754.2204	---	---
		5785	18.310	5775.8712	5794.1812	---	---
		5825	18.279	5815.8816	5834.1606	---	---
11AX40SISO	Ant1	5755	36.588	5736.7283	5773.3163	---	---
		5795	36.601	5776.7526	5813.3536	---	---
11AX80SISO	Ant1	5775	77.162	5736.5820	5813.7440	---	---

Test Graphs

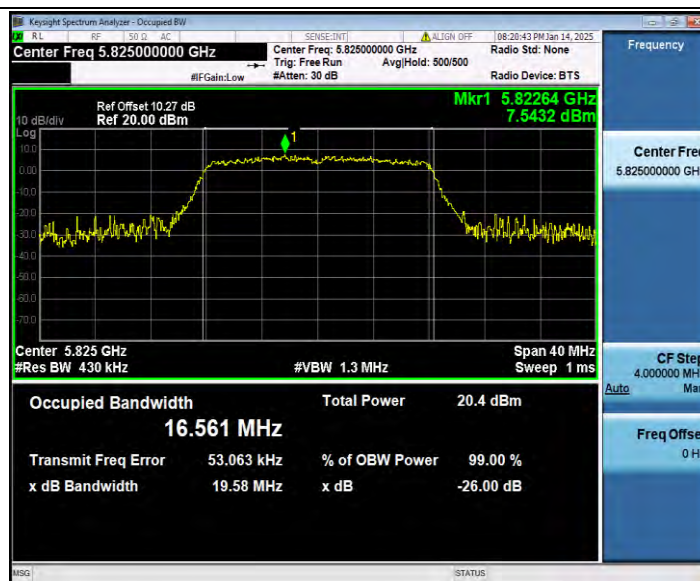
11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



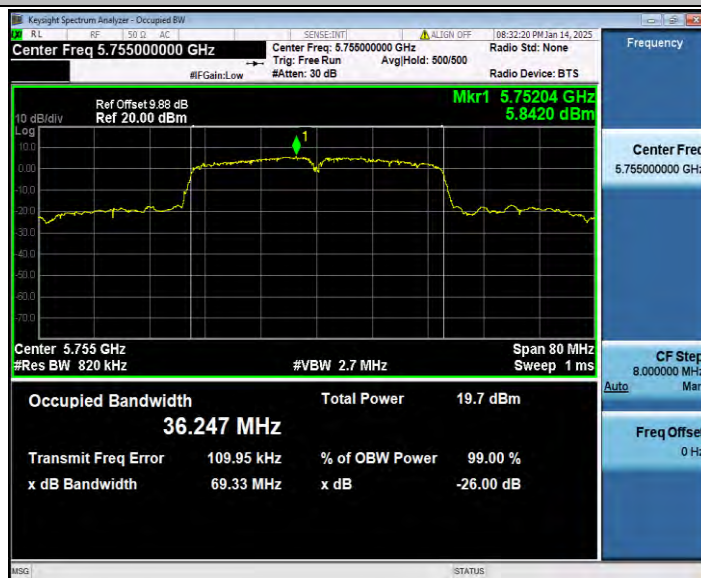
11N20SISO_Ant1_5785



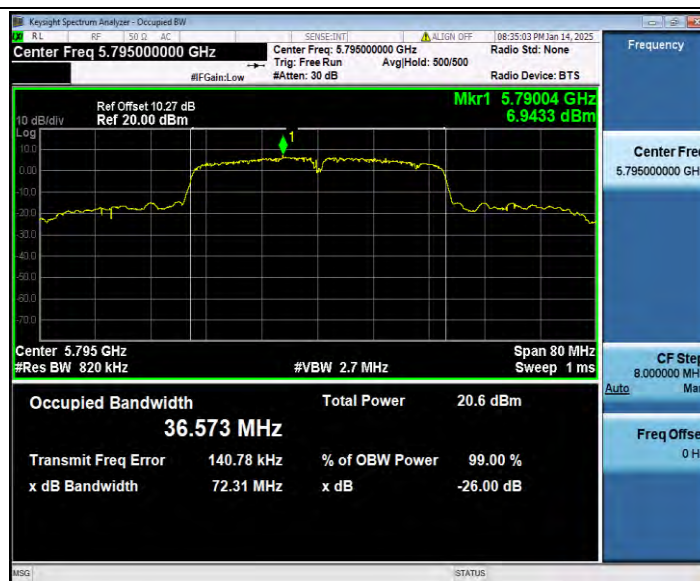
11N20SISO_Ant1_5825



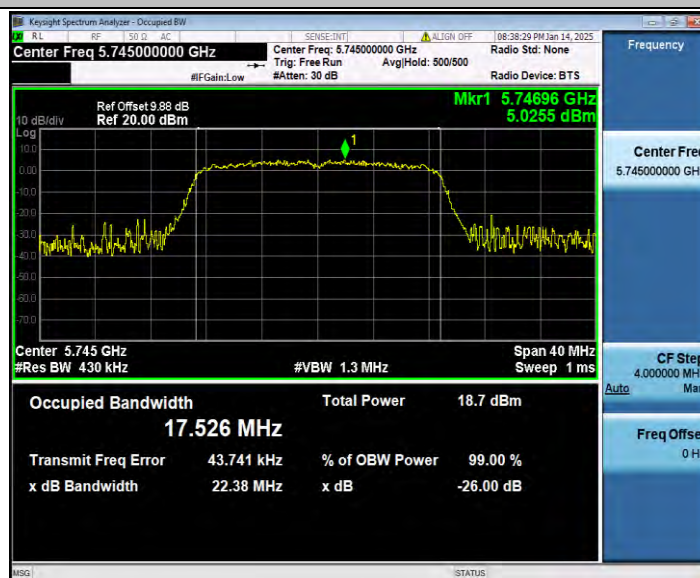
11N40SISO_Ant1_5755



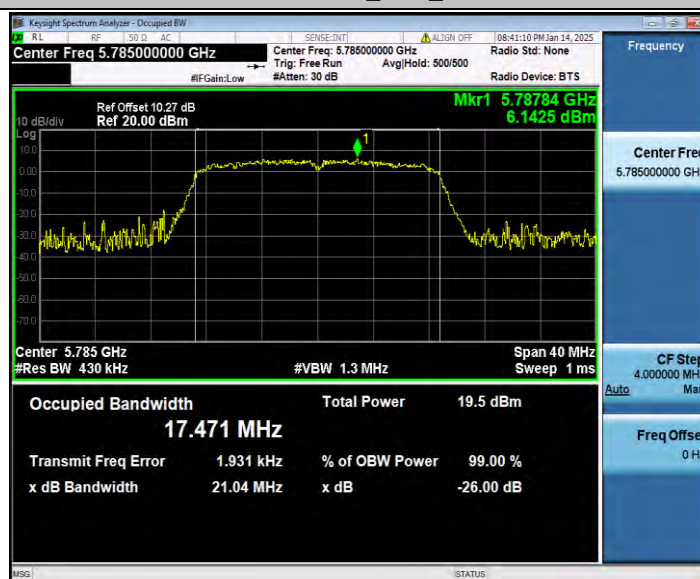
11N40SISO_Ant1_5795



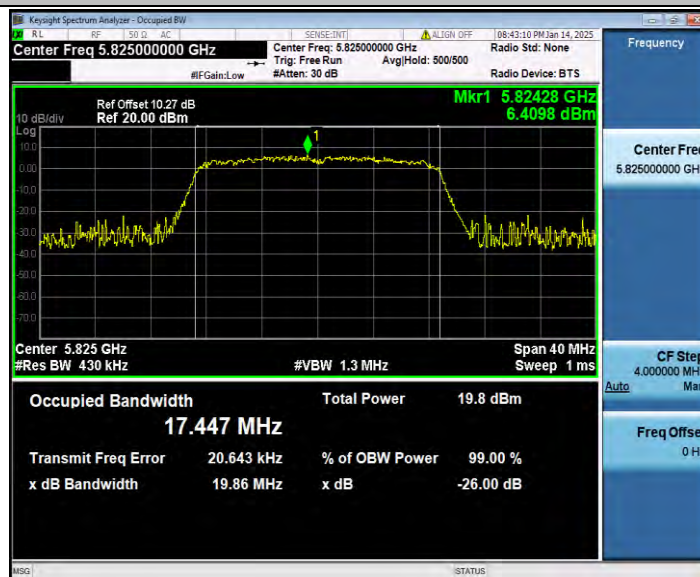
11AC20SISO_Ant1_5745



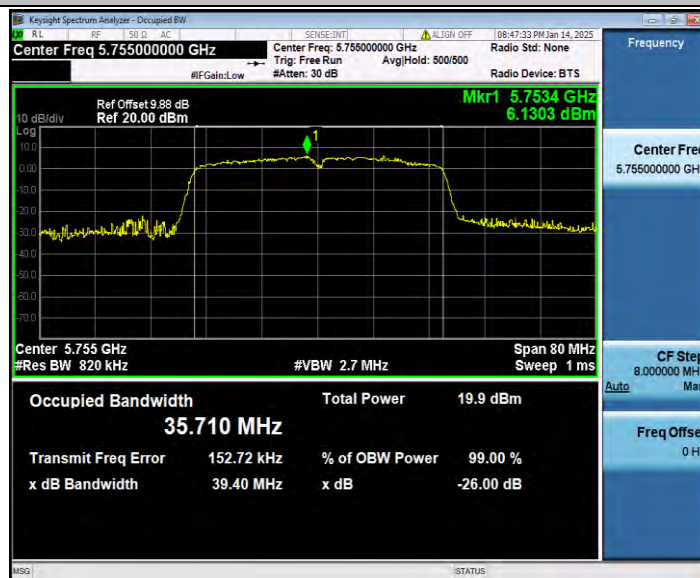
11AC20SISO_Ant1_5785



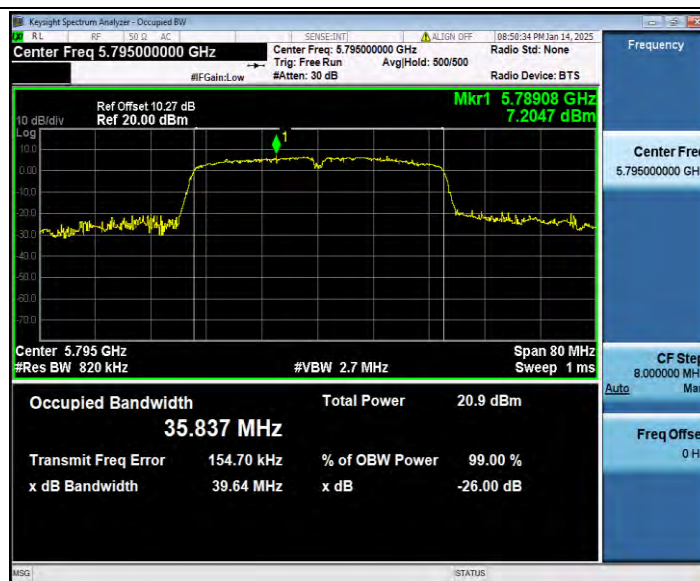
11AC20SISO_Ant1_5825



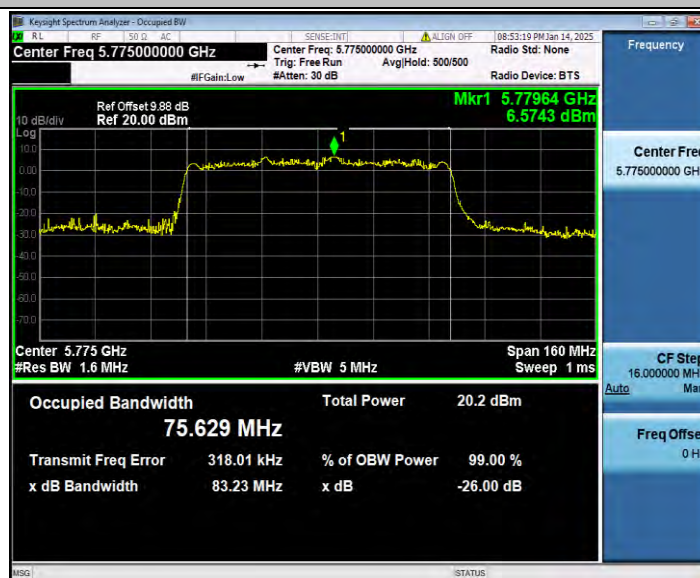
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



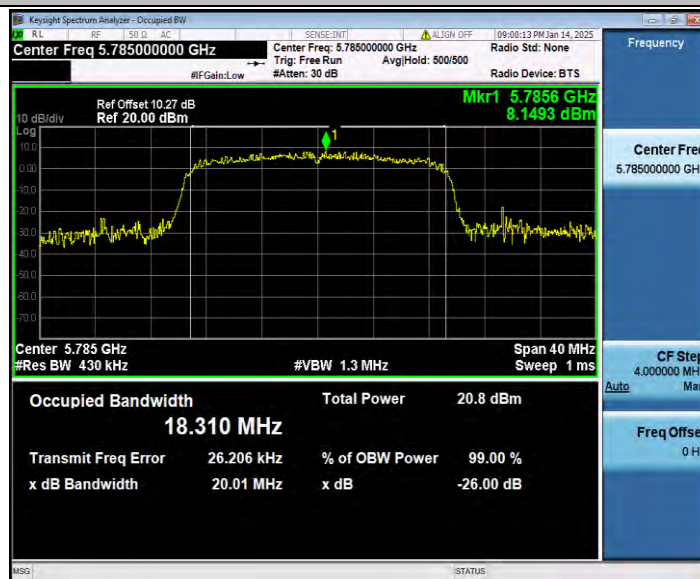
11AC80SISO_Ant1_5775



11AX20SISO_Ant1_5745



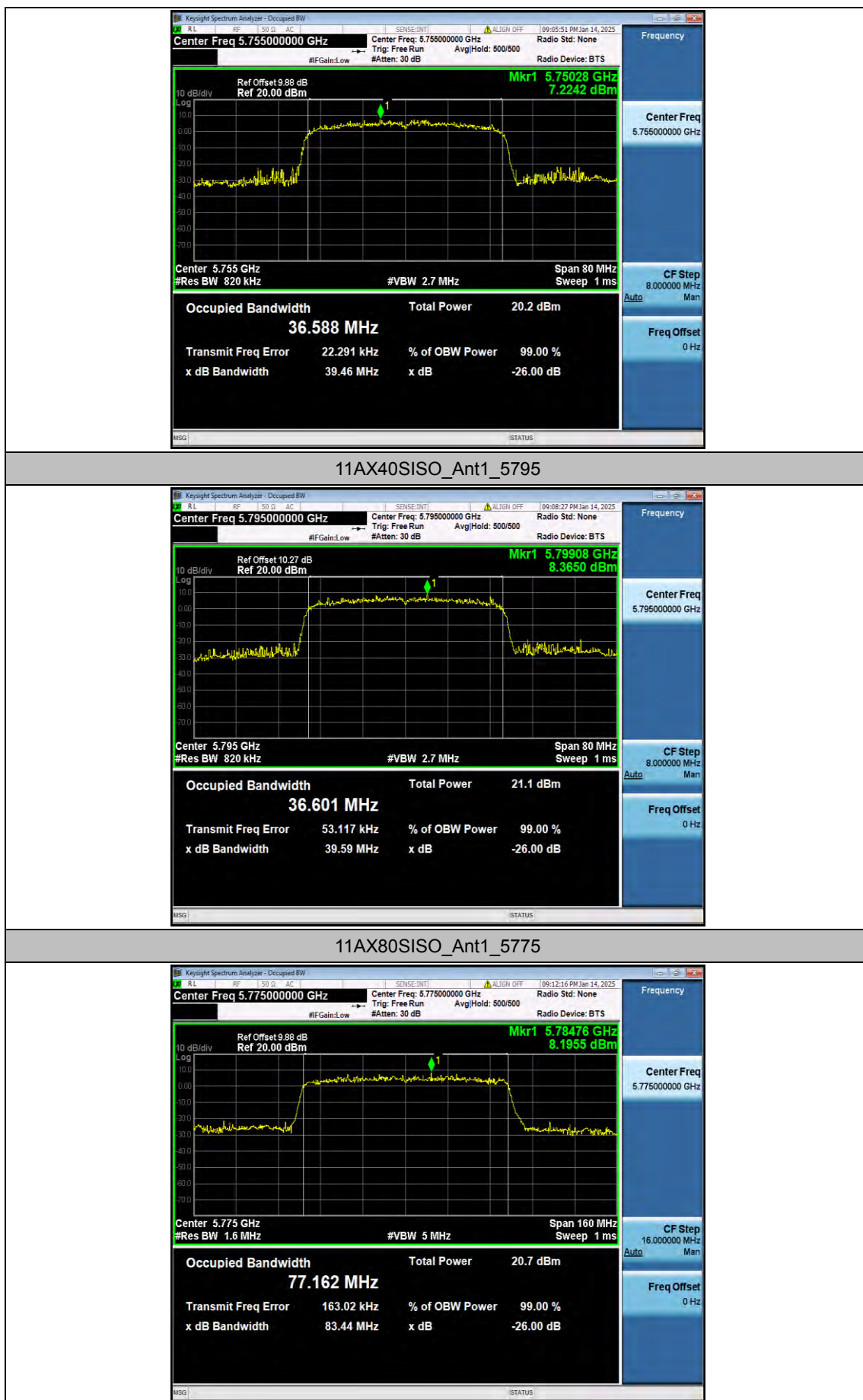
11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755

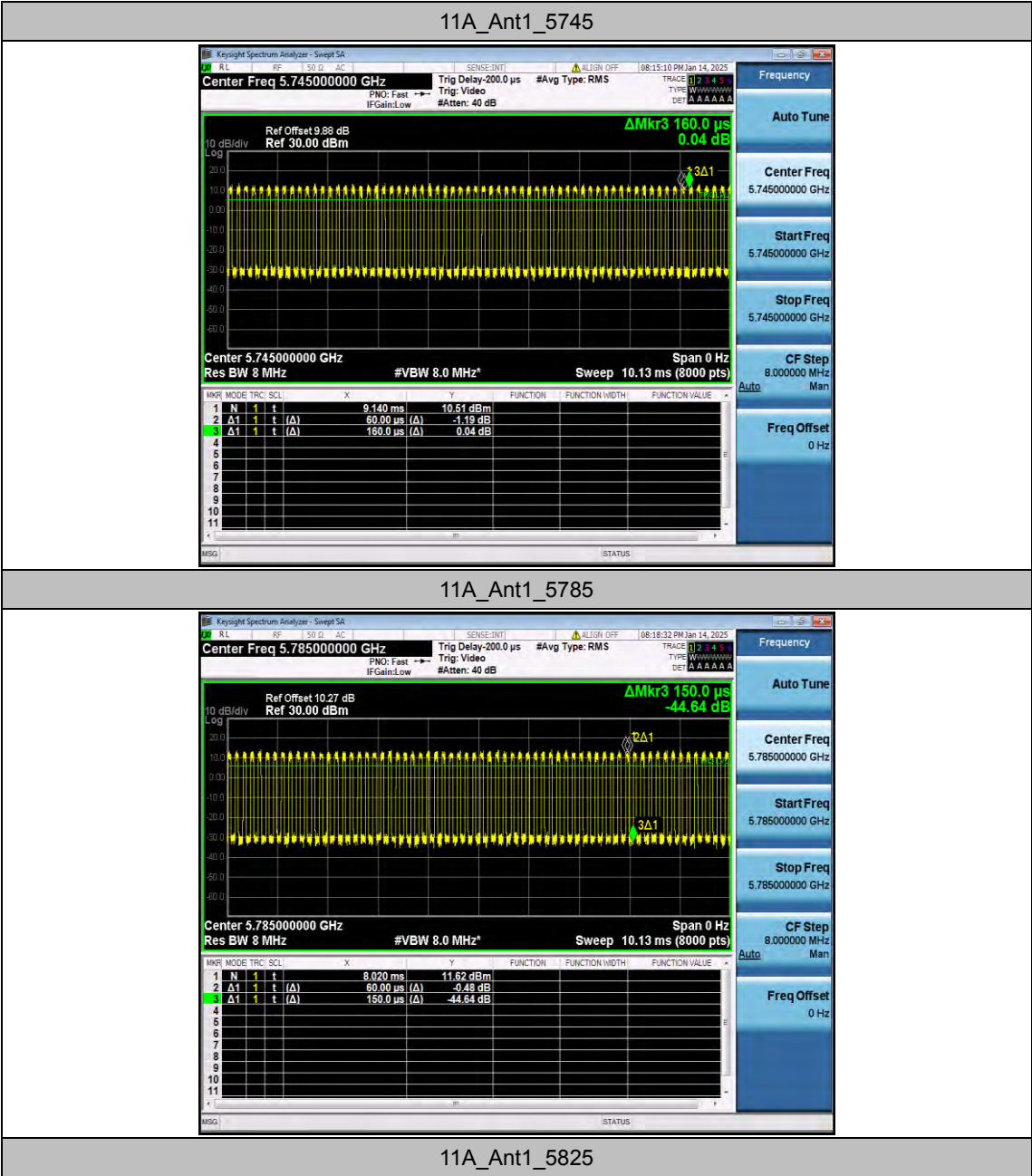


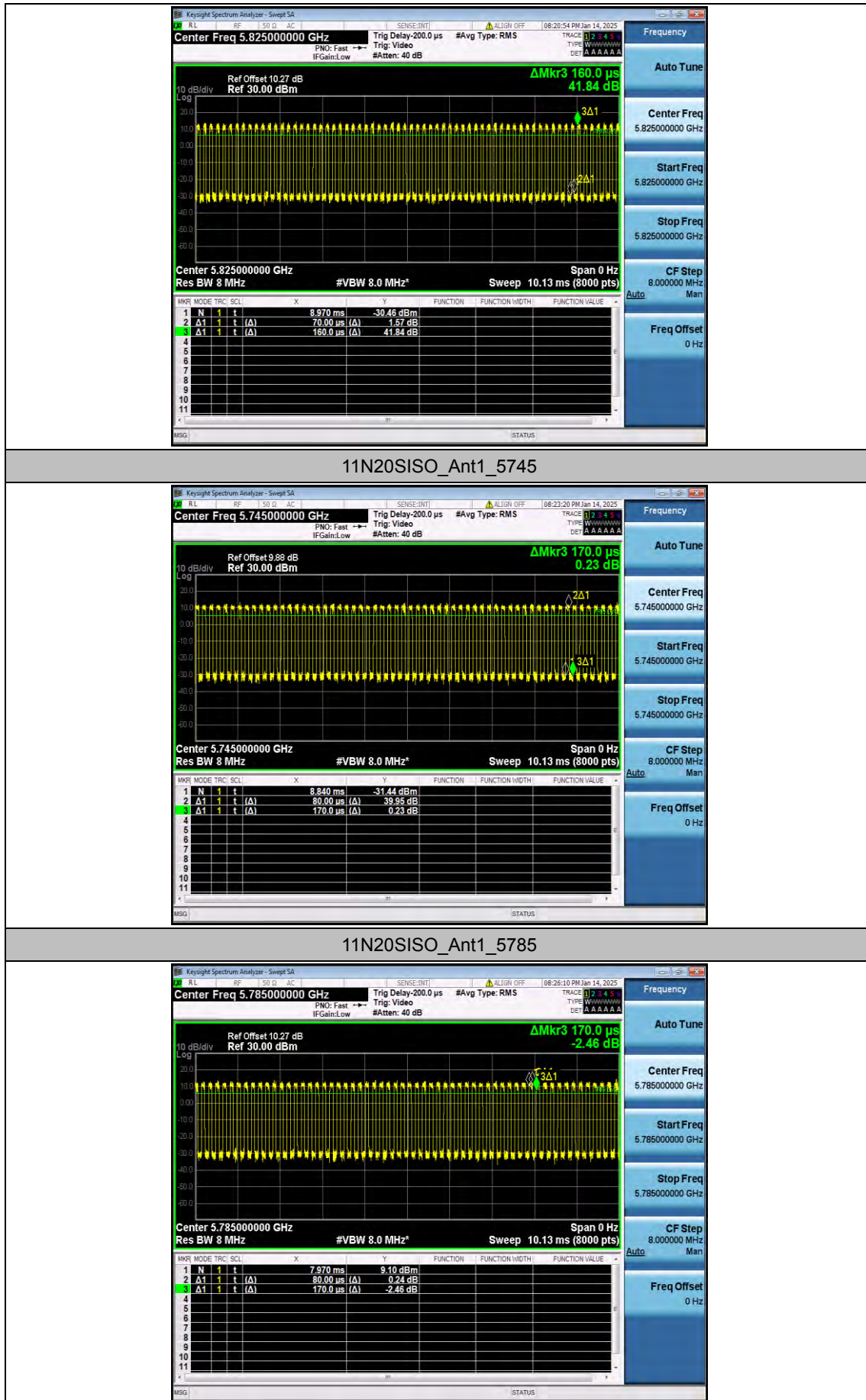
Appendix E.3: Duty Cycle

Test Result

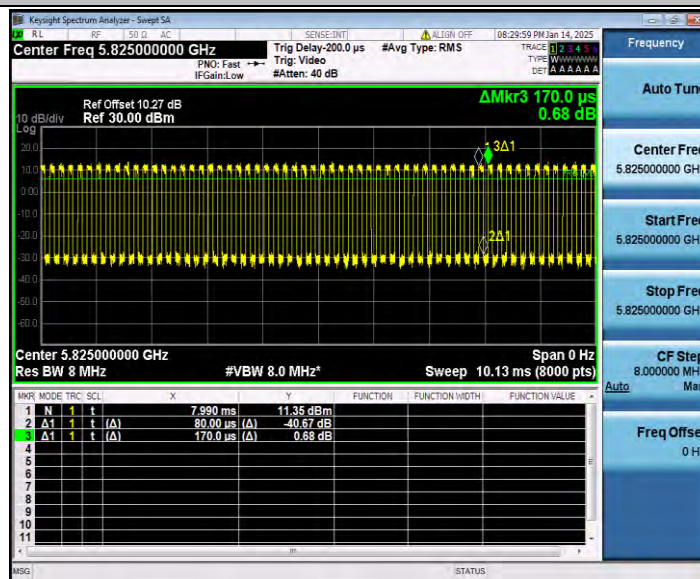
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	0.06	0.16	37.50	4.26	16.67
		5785	0.06	0.15	40.00	3.98	16.67
		5825	0.07	0.16	43.75	3.59	14.29
11N20SISO	Ant1	5745	0.08	0.17	47.06	3.27	12.50
		5785	0.08	0.17	47.06	3.27	12.50
		5825	0.08	0.17	47.06	3.27	12.50
11N40SISO	Ant1	5755	0.05	0.14	35.71	4.47	20.00
		5795	0.05	0.14	35.71	4.47	20.00
11AC20SISO	Ant1	5745	0.09	0.18	50.00	3.01	11.11
		5785	0.08	0.17	47.06	3.27	12.50
		5825	0.08	0.17	47.06	3.27	12.50
11AC40SISO	Ant1	5755	0.06	0.15	40.00	3.98	16.67
		5795	0.06	0.15	40.00	3.98	16.67
11AC80SISO	Ant1	5775	0.05	0.14	35.71	4.47	20.00
11AX20SISO	Ant1	5745	0.09	0.18	50.00	3.01	11.11
		5785	0.08	0.17	47.06	3.27	12.50
		5825	0.08	0.17	47.06	3.27	12.50
11AX40SISO	Ant1	5755	0.08	0.17	47.06	3.27	12.50
		5795	0.09	0.18	50.00	3.01	11.11
11AX80SISO	Ant1	5775	0.08	0.17	47.06	3.27	12.50

Test Graphs

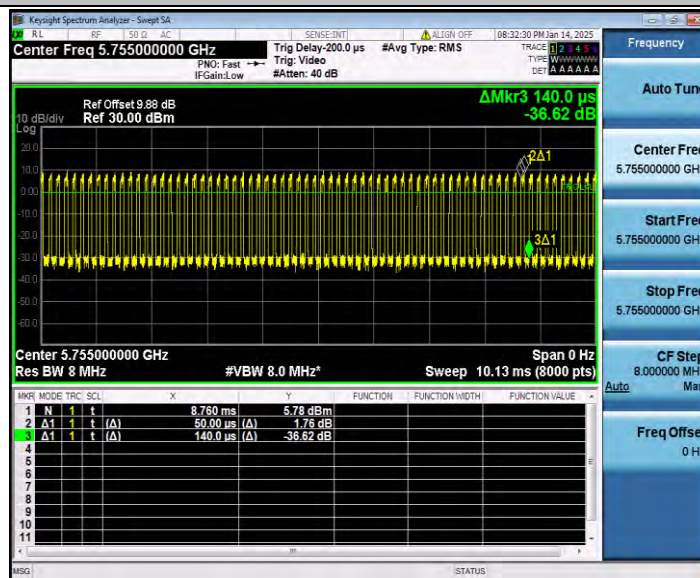




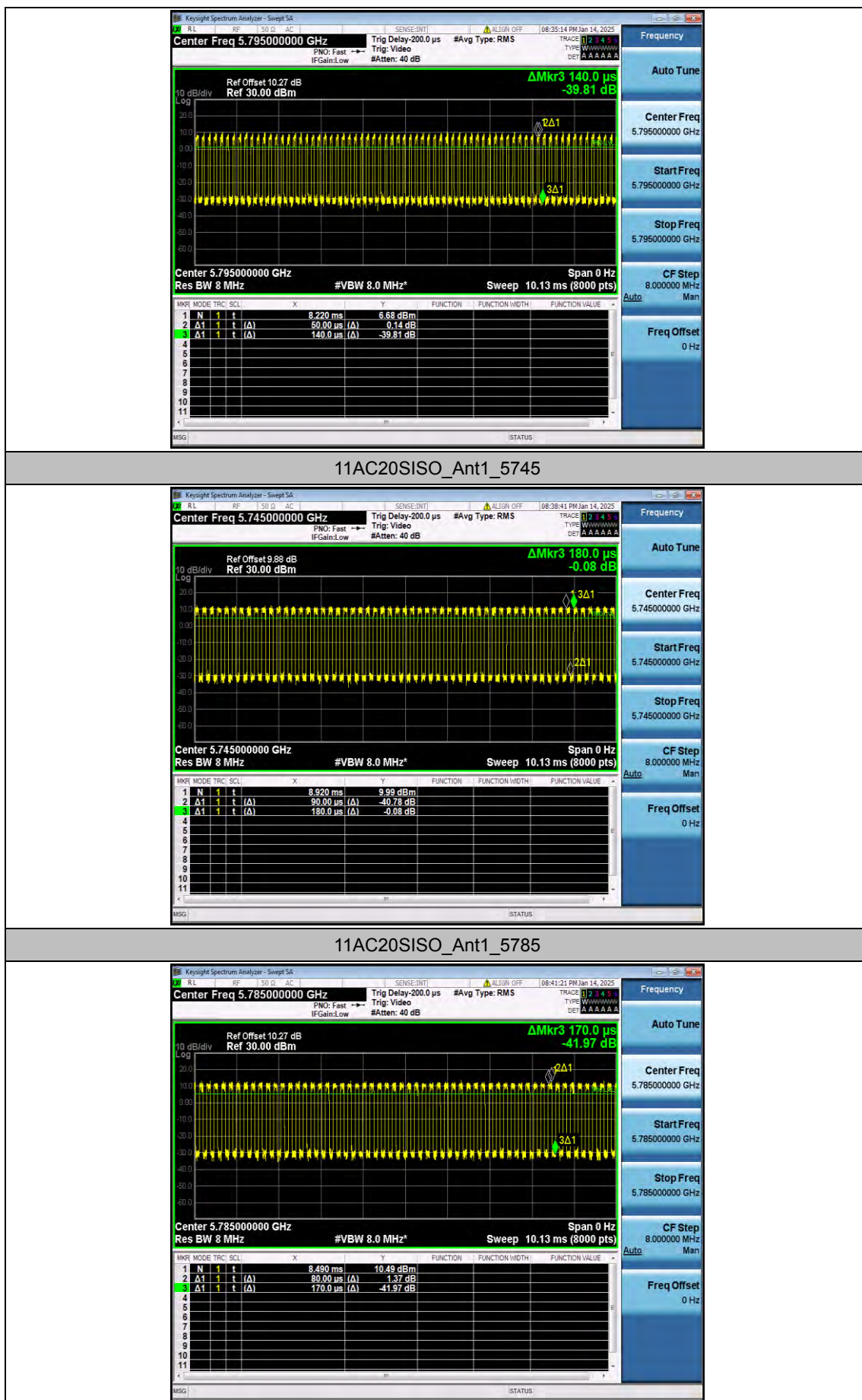
11N20SISO_Ant1_5825



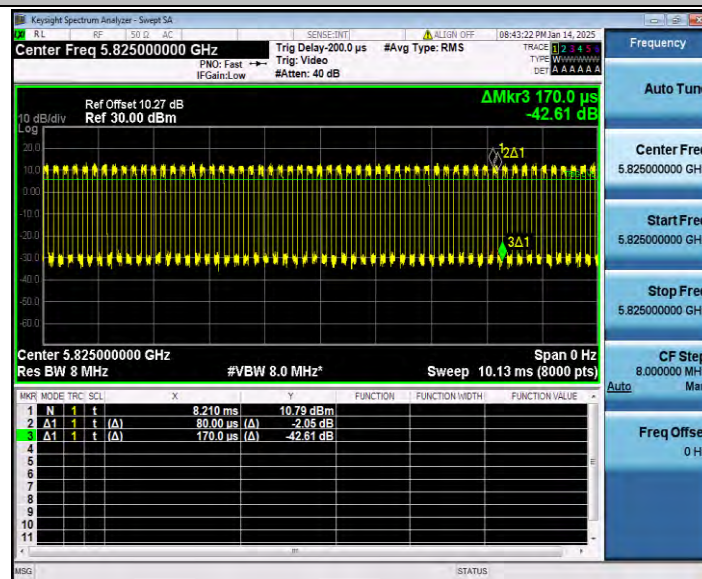
11N40SISO_Ant1_5755



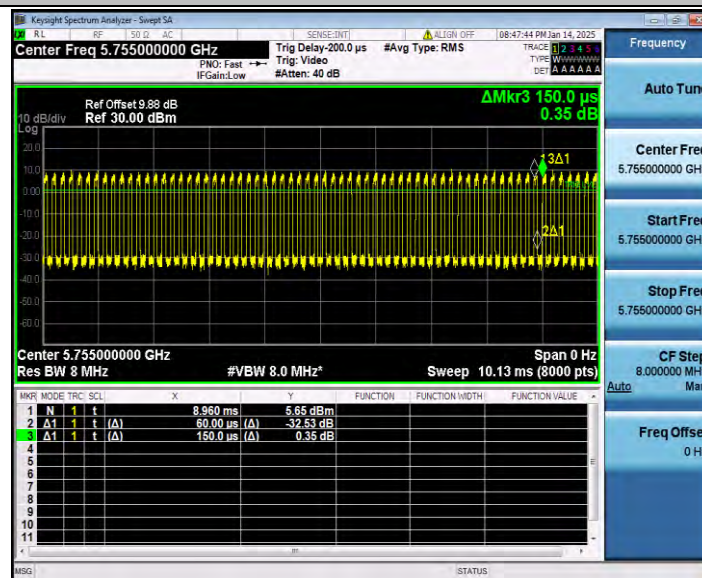
11N40SISO_Ant1_5795



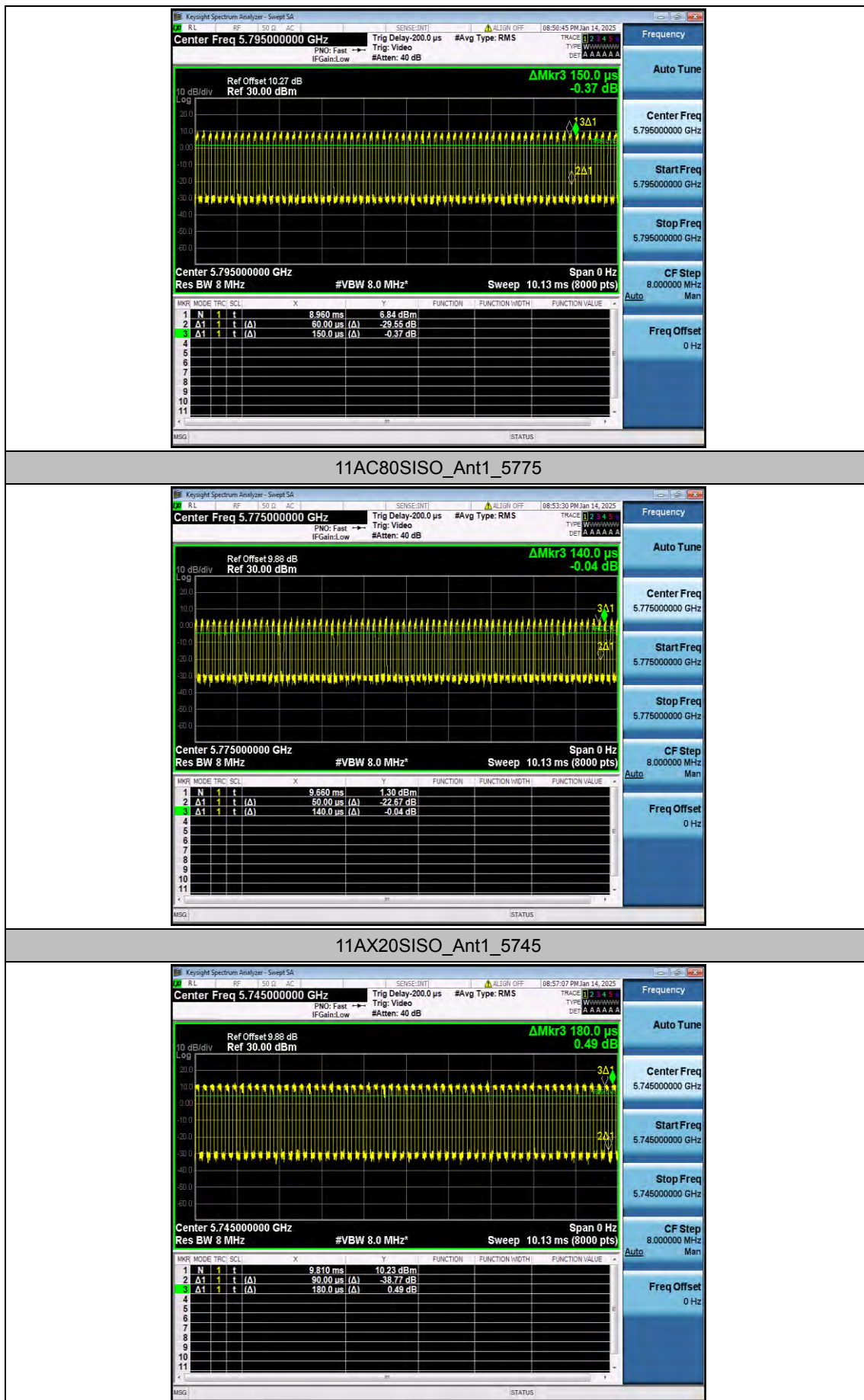
11AC20SISO_Ant1_5825



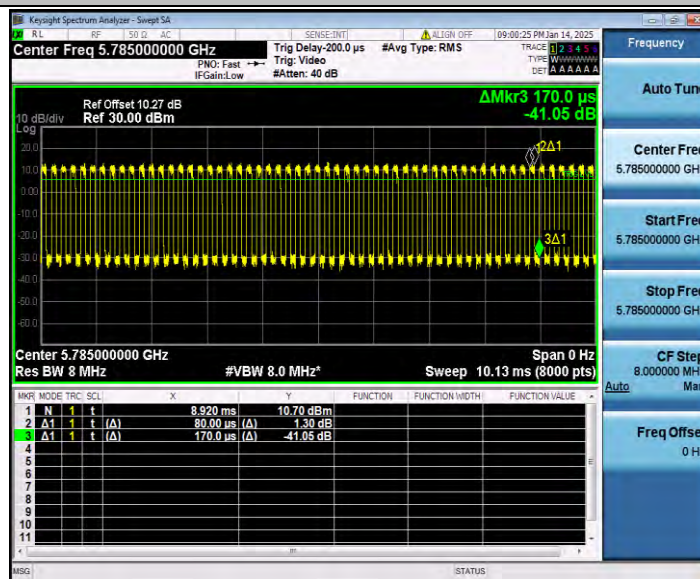
11AC40SISO_Ant1_5755



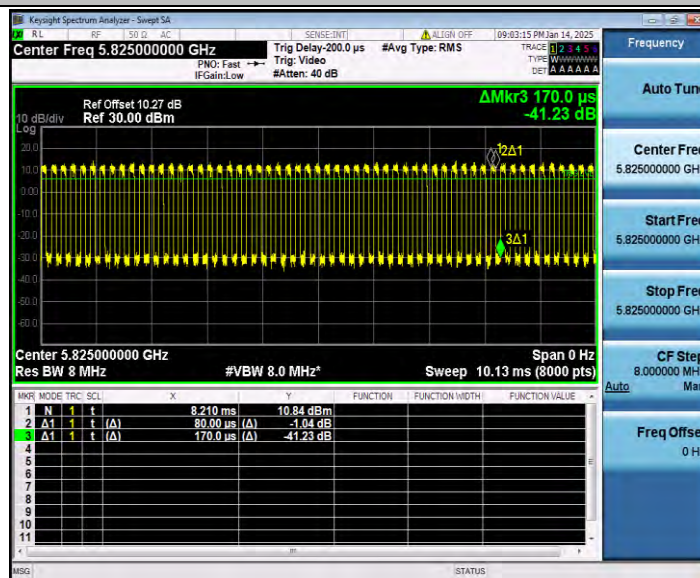
11AC40SISO_Ant1_5795



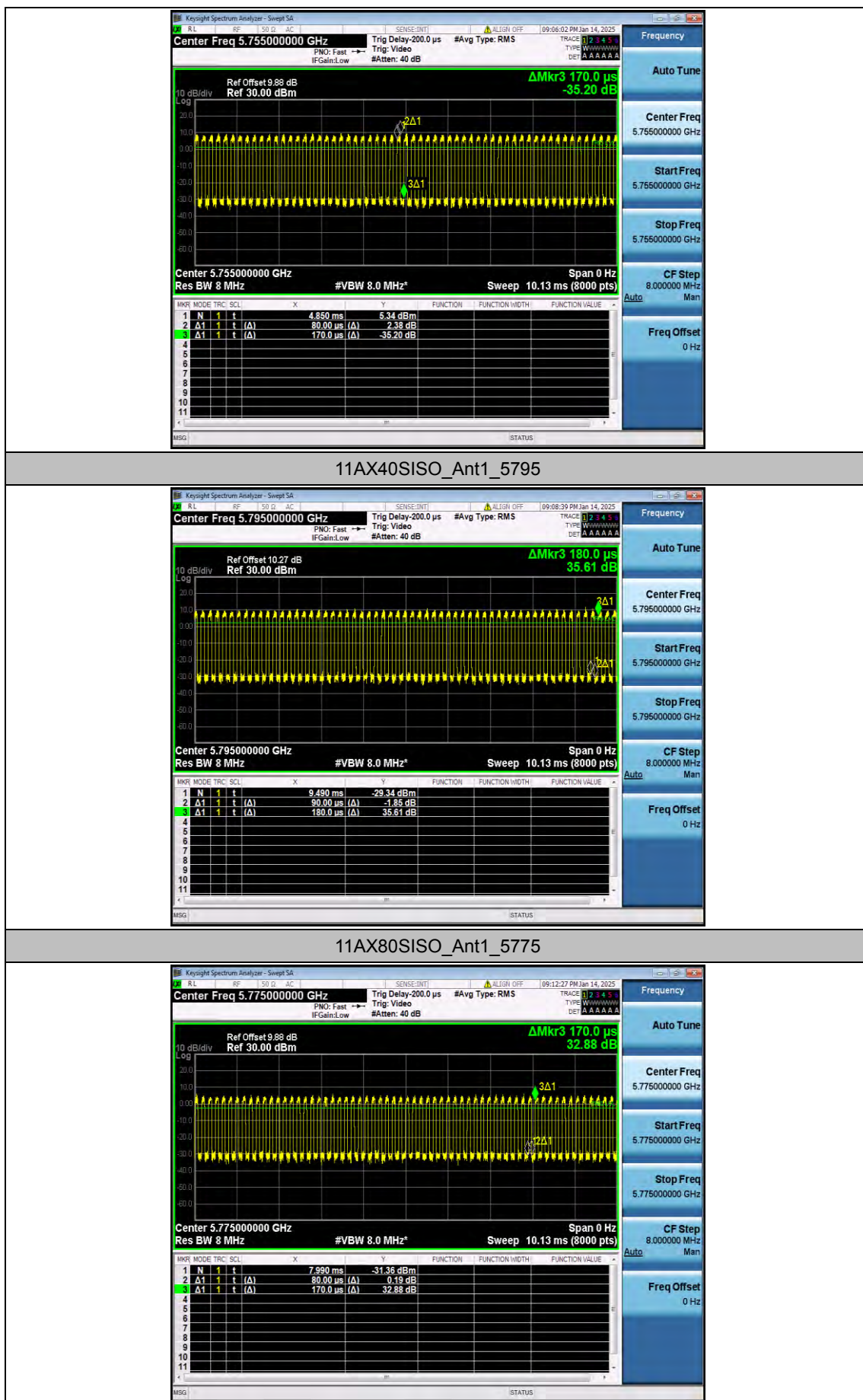
11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



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	5745	9.82	37.50	4.26	14.08	≤30.00	PASS
		5785	10.38	40.00	3.98	14.36	≤30.00	PASS
		5825	10.60	43.75	3.59	14.19	≤30.00	PASS
11N20SISO	Ant1	5745	9.96	47.06	3.27	13.23	≤30.00	PASS
		5785	10.71	47.06	3.27	13.98	≤30.00	PASS
		5825	10.81	47.06	3.27	14.08	≤30.00	PASS
11N40SISO	Ant1	5755	8.83	35.71	4.47	13.30	≤30.00	PASS
		5795	9.80	35.71	4.47	14.27	≤30.00	PASS
11AC20SISO	Ant1	5745	9.66	50.00	3.01	12.67	≤30.00	PASS
		5785	10.42	47.06	3.27	13.69	≤30.00	PASS
		5825	10.66	47.06	3.27	13.93	≤30.00	PASS
11AC40SISO	Ant1	5755	9.17	40.00	3.98	13.15	≤30.00	PASS
		5795	10.21	40.00	3.98	14.19	≤30.00	PASS
11AC80SISO	Ant1	5775	8.26	35.71	4.47	12.73	≤30.00	PASS
11AX20SISO	Ant1	5745	9.93	50.00	3.01	12.94	≤30.00	PASS
		5785	10.62	47.06	3.27	13.89	≤30.00	PASS
		5825	10.87	47.06	3.27	14.14	≤30.00	PASS
11AX40SISO	Ant1	5755	9.47	47.06	3.27	12.74	≤30.00	PASS
		5795	10.41	50.00	3.01	13.42	≤30.00	PASS
11AX80SISO	Ant1	5775	9.34	47.06	3.27	12.61	≤30.00	PASS

Appendix E.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	1.35	≤30.00	PASS
		5785	1.88	≤30.00	PASS
		5825	1.67	≤30.00	PASS
11N20SISO	Ant1	5745	0.55	≤30.00	PASS
		5785	1.28	≤30.00	PASS
		5825	1.48	≤30.00	PASS
11N40SISO	Ant1	5755	-1.00	≤30.00	PASS
		5795	-0.02	≤30.00	PASS
11AC20SISO	Ant1	5745	-0.03	≤30.00	PASS
		5785	1.11	≤30.00	PASS
		5825	1.28	≤30.00	PASS
11AC40SISO	Ant1	5755	-1.30	≤30.00	PASS
		5795	-0.40	≤30.00	PASS
11AC80SISO	Ant1	5775	-5.52	≤30.00	PASS
11AX20SISO	Ant1	5745	0.27	≤30.00	PASS
		5785	1.28	≤30.00	PASS
		5825	1.61	≤30.00	PASS
11AX40SISO	Ant1	5755	-2.37	≤30.00	PASS
		5795	-1.73	≤30.00	PASS
11AX80SISO	Ant1	5775	-6.15	≤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

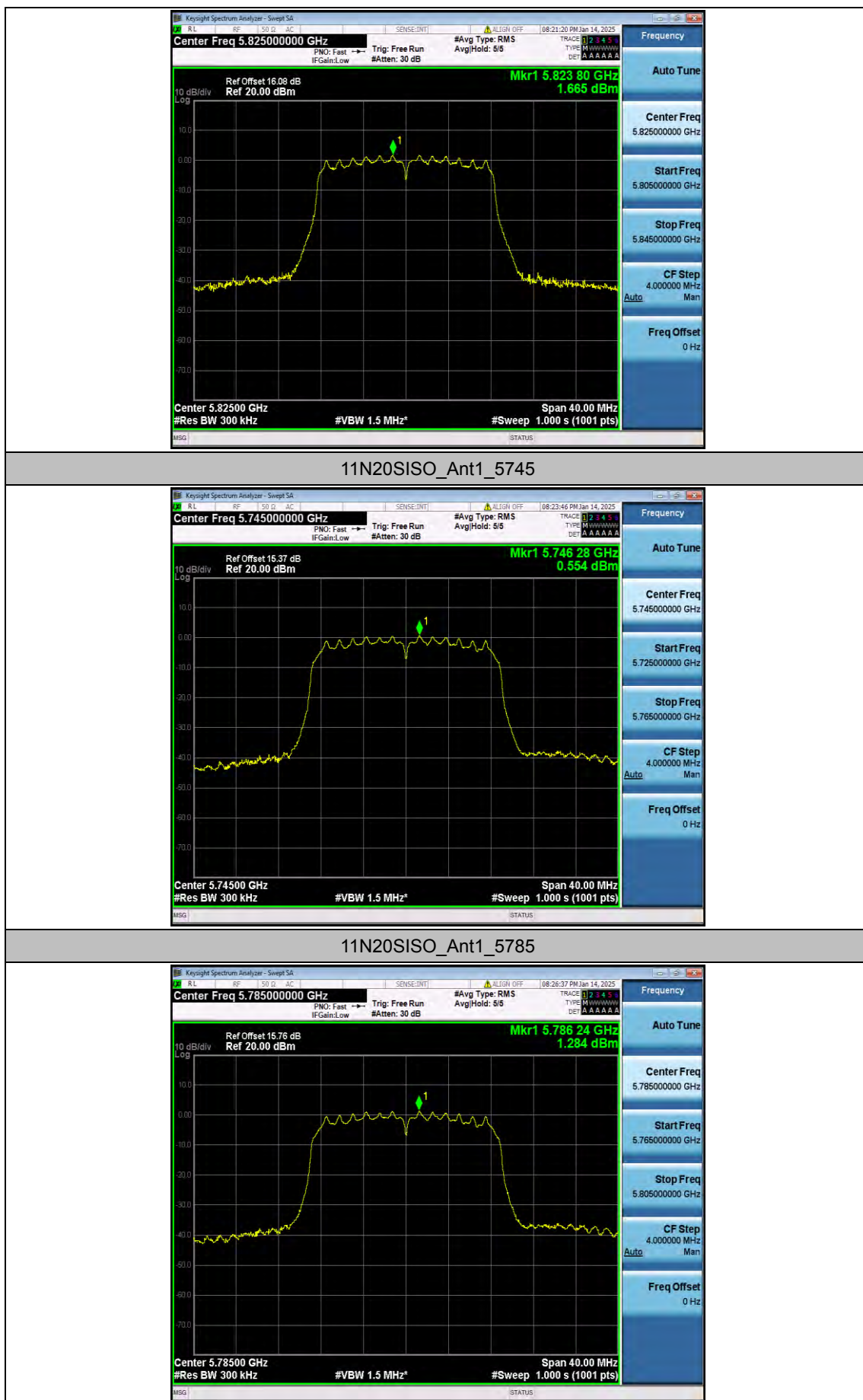
11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



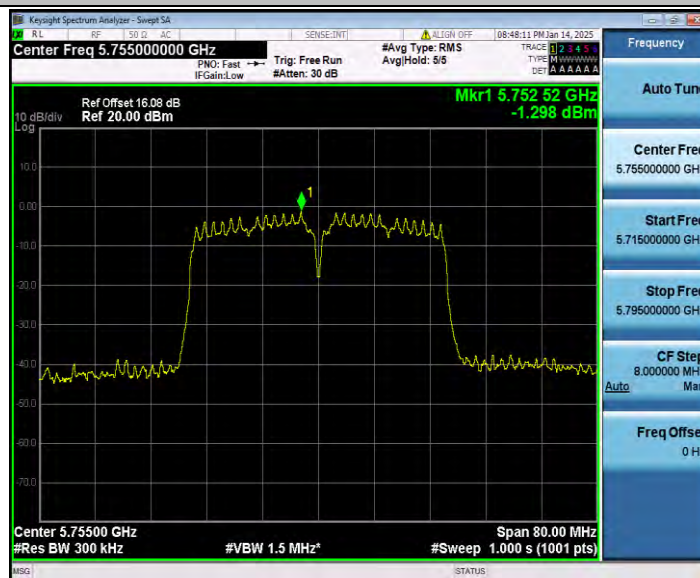
11AC20SISO_Ant1_5785



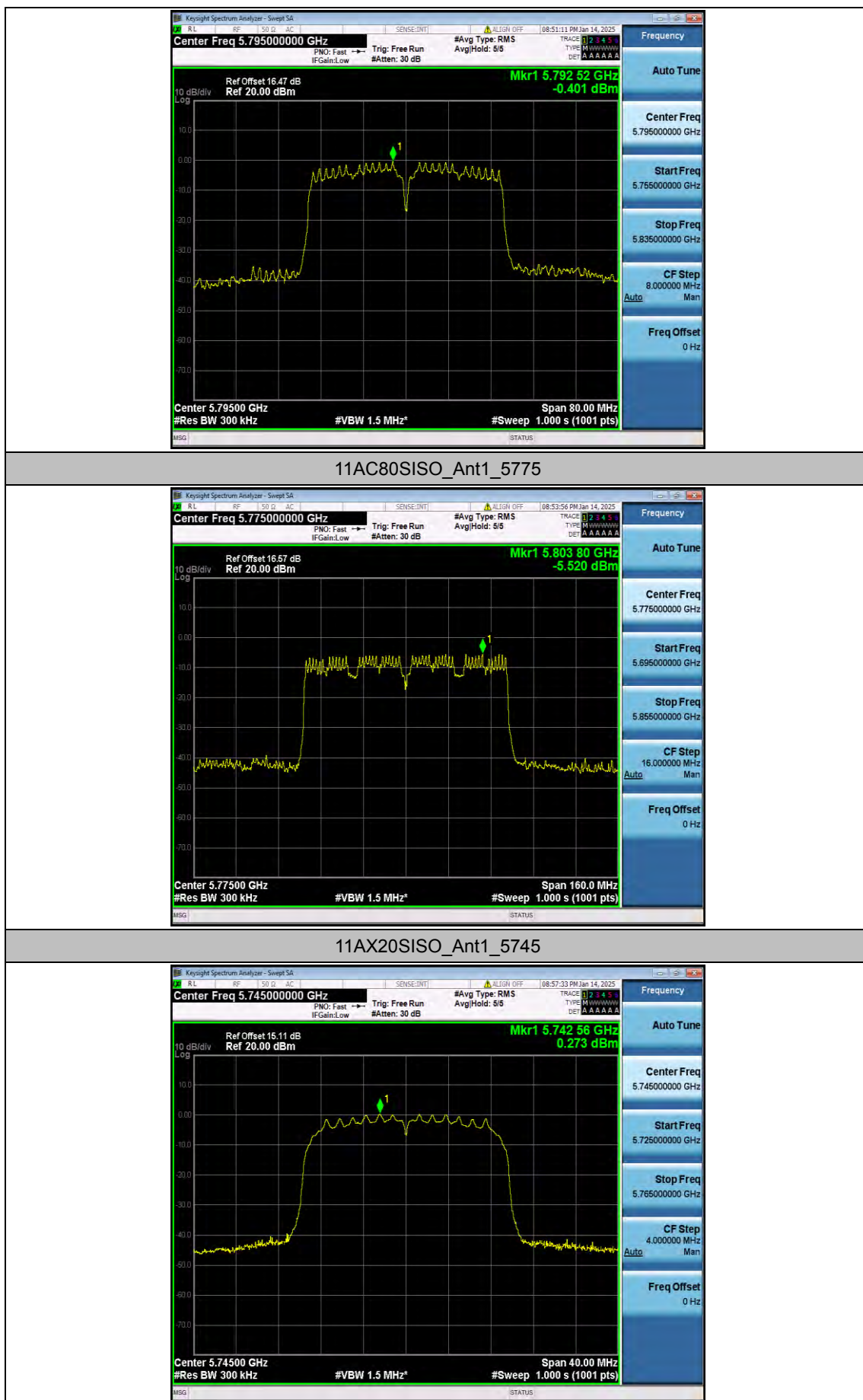
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



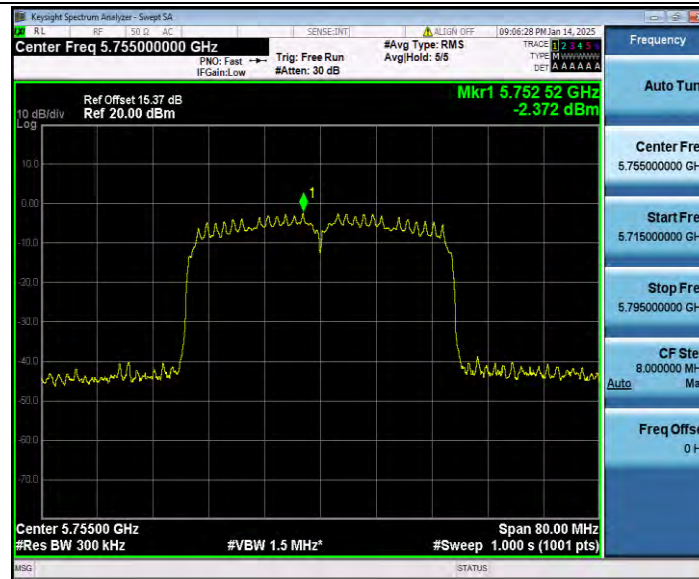
11AX20SISO_Ant1_5785



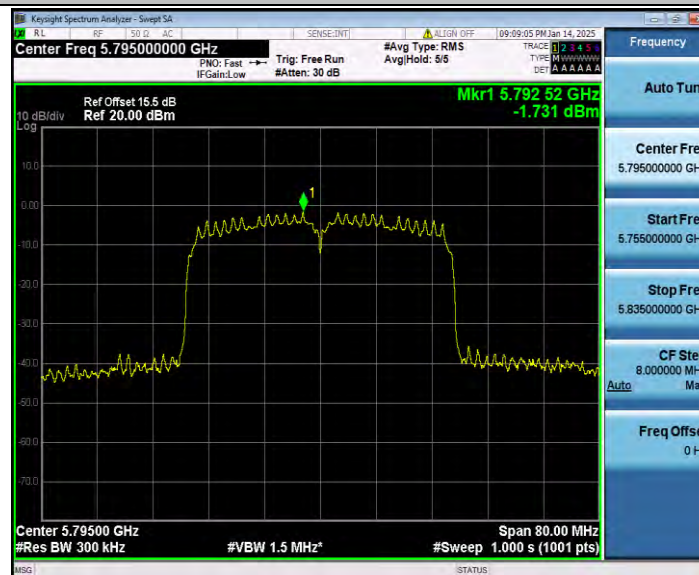
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775

