

Case No. : <u>GTS20250116009-1-04</u>	
Ambient Condition: <u>21</u> °C, <u>52</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.2.15</u>	Test Engineer: <u>Evan ouyang</u>

Appendix G.1: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.840	5753.160	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.600	5736.200	5753.800	0.5	PASS
		5785	17.560	5776.200	5793.760	0.5	PASS
		5825	17.600	5816.200	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	17.600	5776.200	5793.800	0.5	PASS
		5825	17.560	5816.200	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	36.080	5737.080	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC80SISO	Ant1	5775	76.000	5737.080	5813.080	0.5	PASS

Test Graphs B4

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



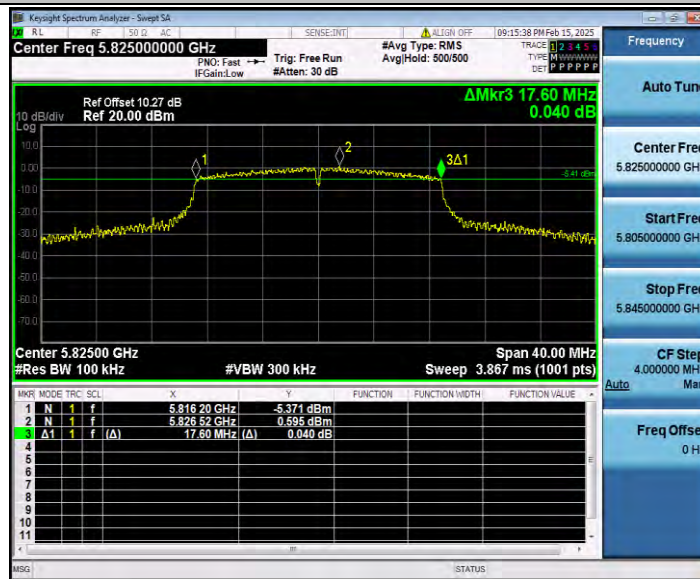
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



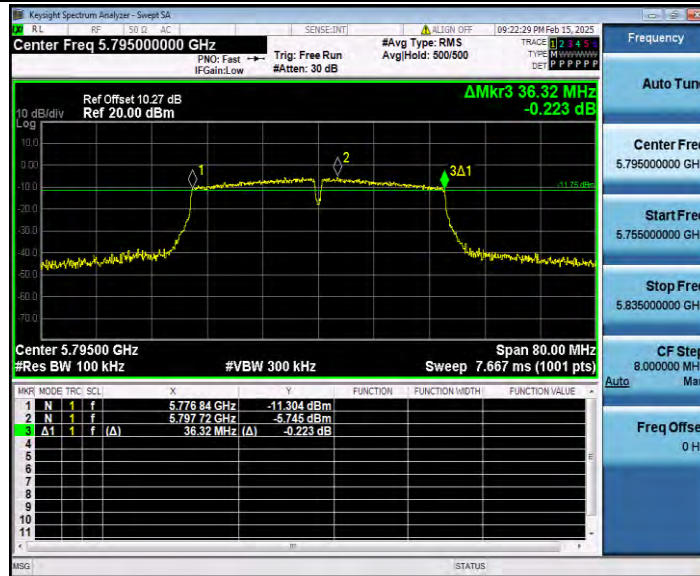
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



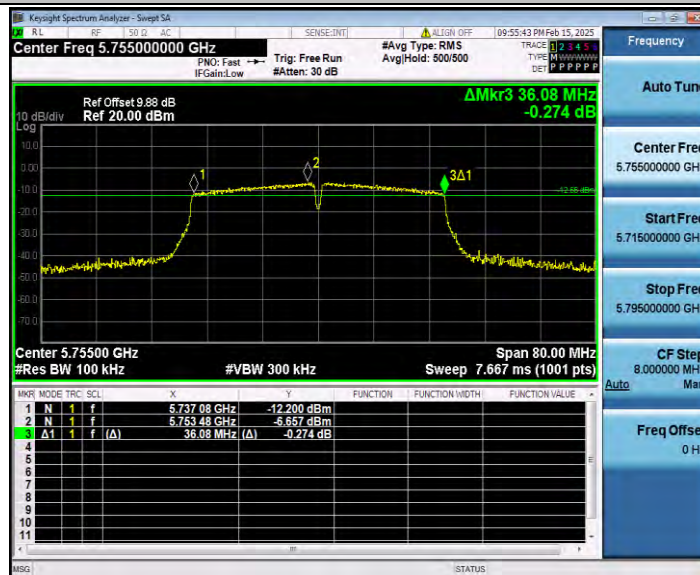
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



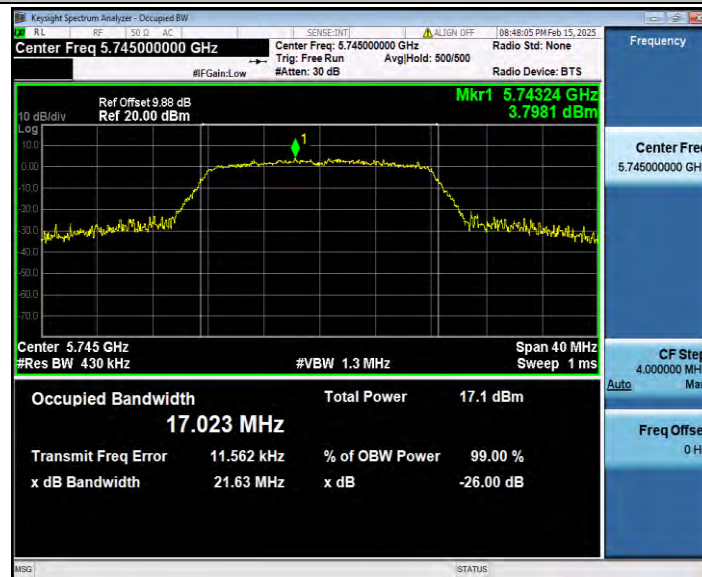
Appendix G.2: Occupied channel bandwidth

Test Result

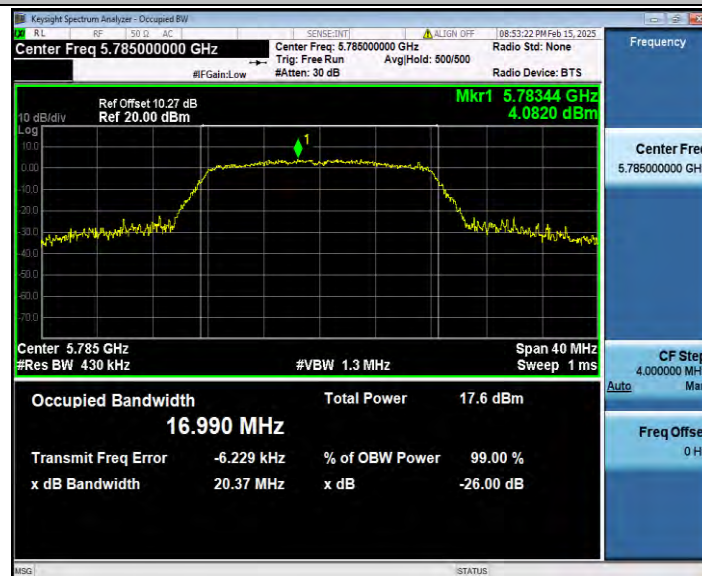
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.023	5736.5001	5753.5231	---	---
		5785	16.990	5776.4988	5793.4888	---	---
		5825	17.014	5816.5011	5833.5151	---	---
11N20SISO	Ant1	5745	18.092	5735.9736	5754.0656	---	---
		5785	18.031	5775.9828	5794.0138	---	---
		5825	18.212	5815.8659	5834.0779	---	---
11N40SISO	Ant1	5755	36.251	5736.9118	5773.1628	---	---
		5795	36.325	5776.8374	5813.1624	---	---
11AC20SISO	Ant1	5745	17.976	5736.0342	5754.0102	---	---
		5785	17.889	5776.0460	5793.9350	---	---
		5825	17.926	5816.0360	5833.9620	---	---
11AC40SISO	Ant1	5755	36.305	5736.9077	5773.2127	---	---
		5795	36.432	5776.8123	5813.2443	---	---
11AC80SISO	Ant1	5775	75.244	5737.4314	5812.6754	---	---

Test Graphs

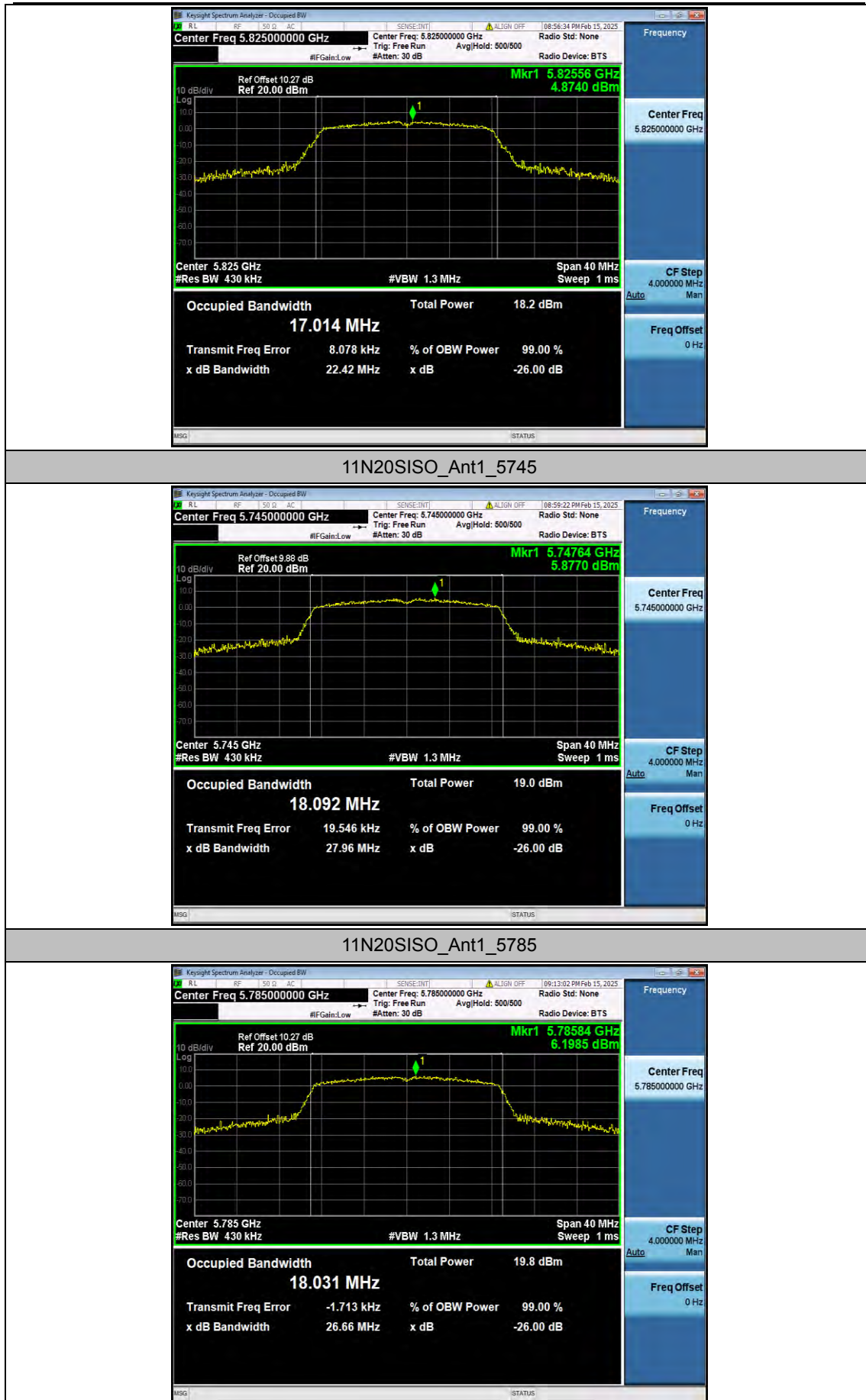
11A_Ant1_5745



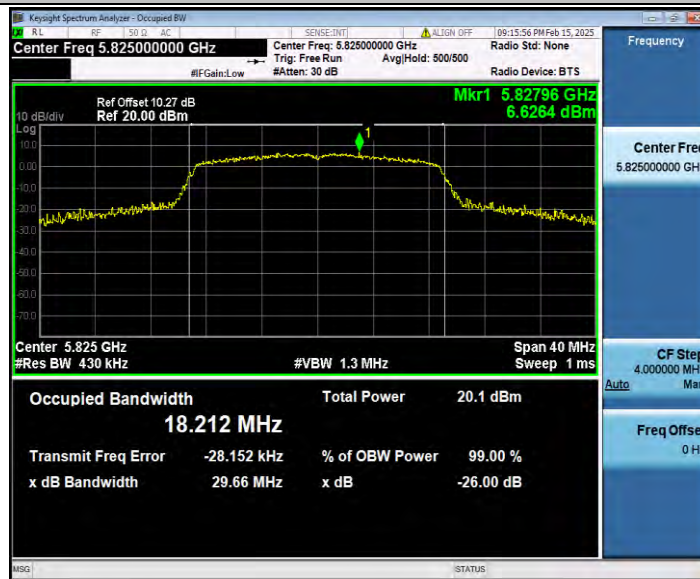
11A_Ant1_5785



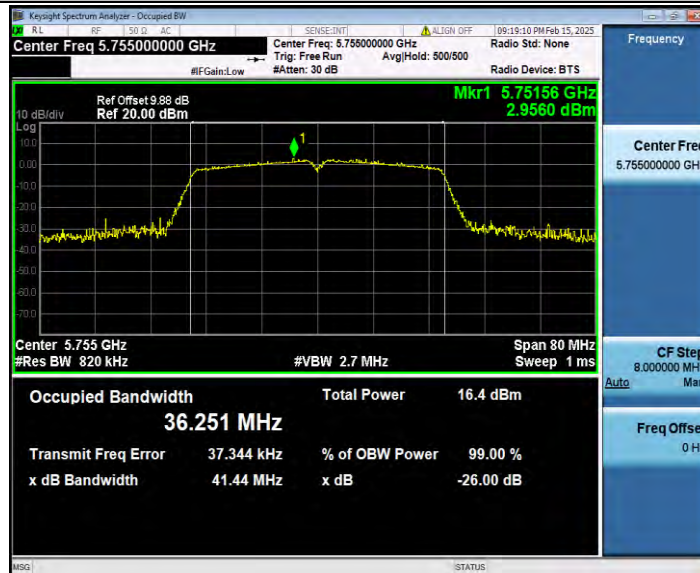
11A_Ant1_5825



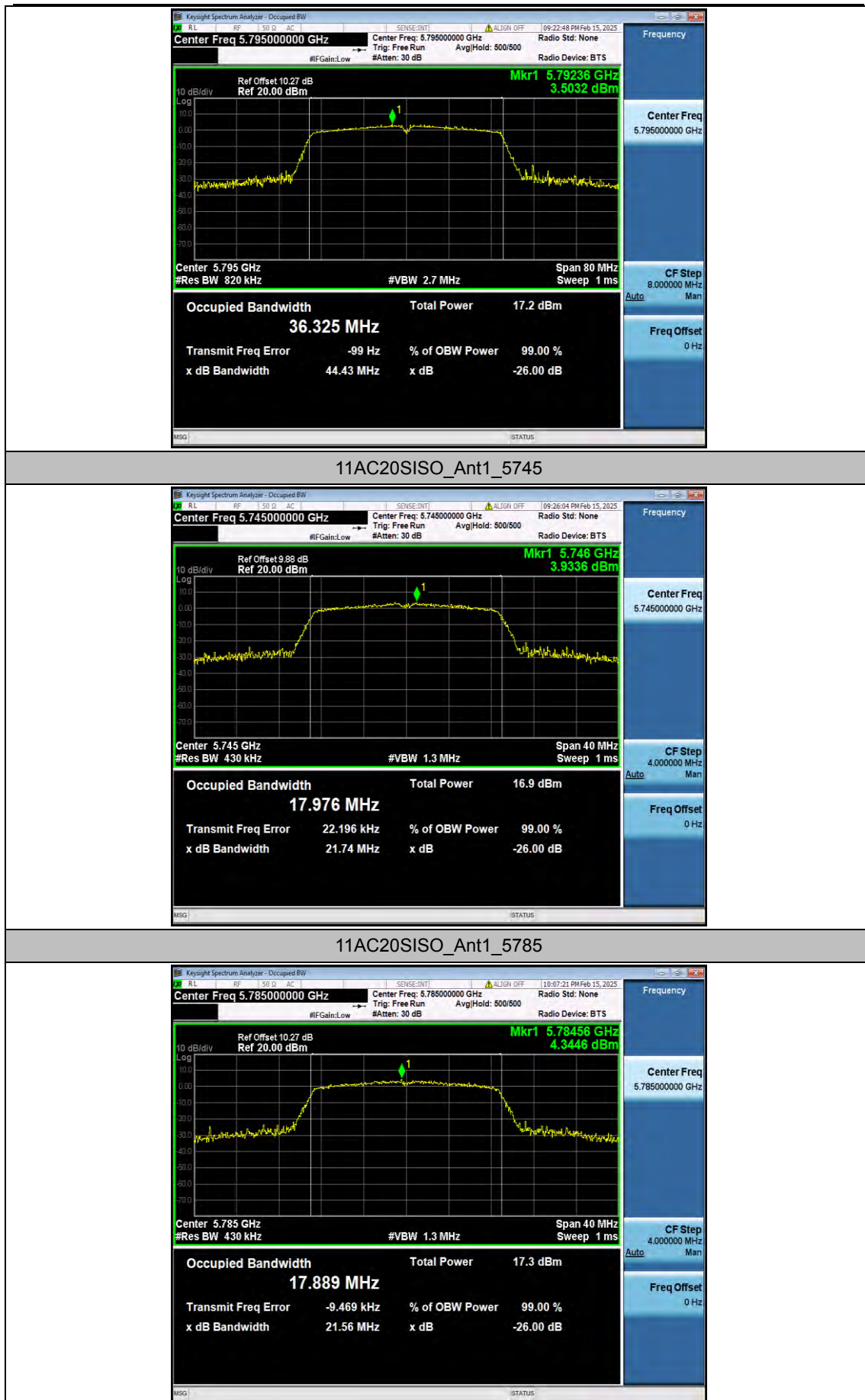
11N20SISO_Ant1_5825



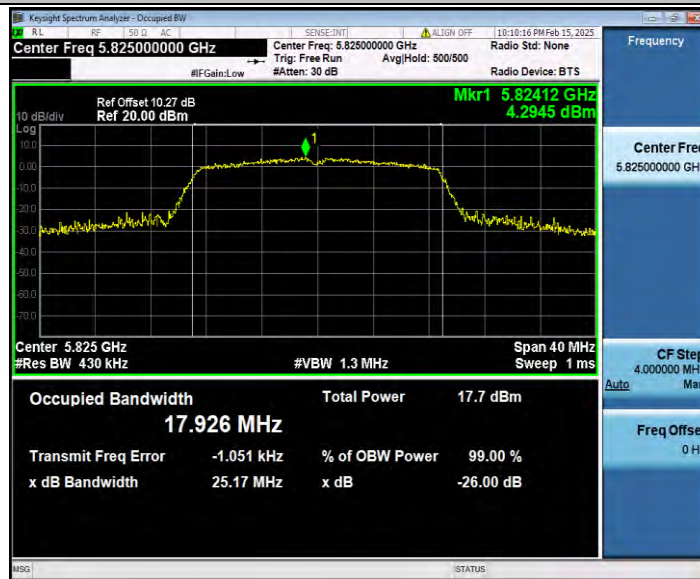
11N40SISO_Ant1_5755



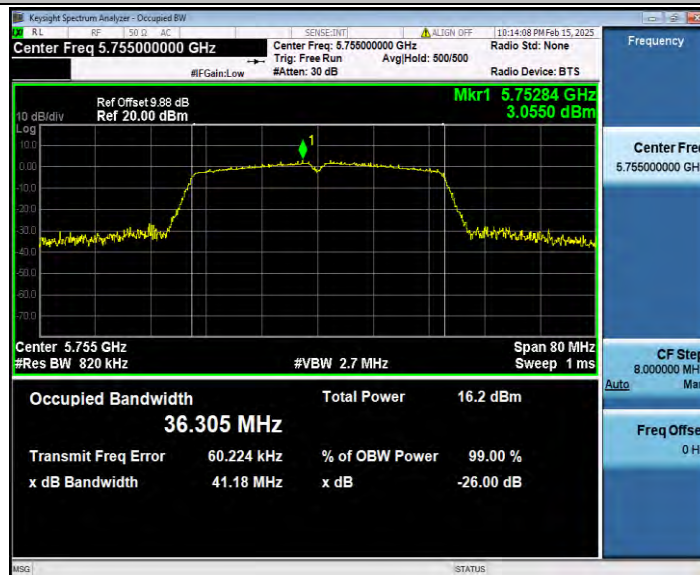
11N40SISO_Ant1_5795



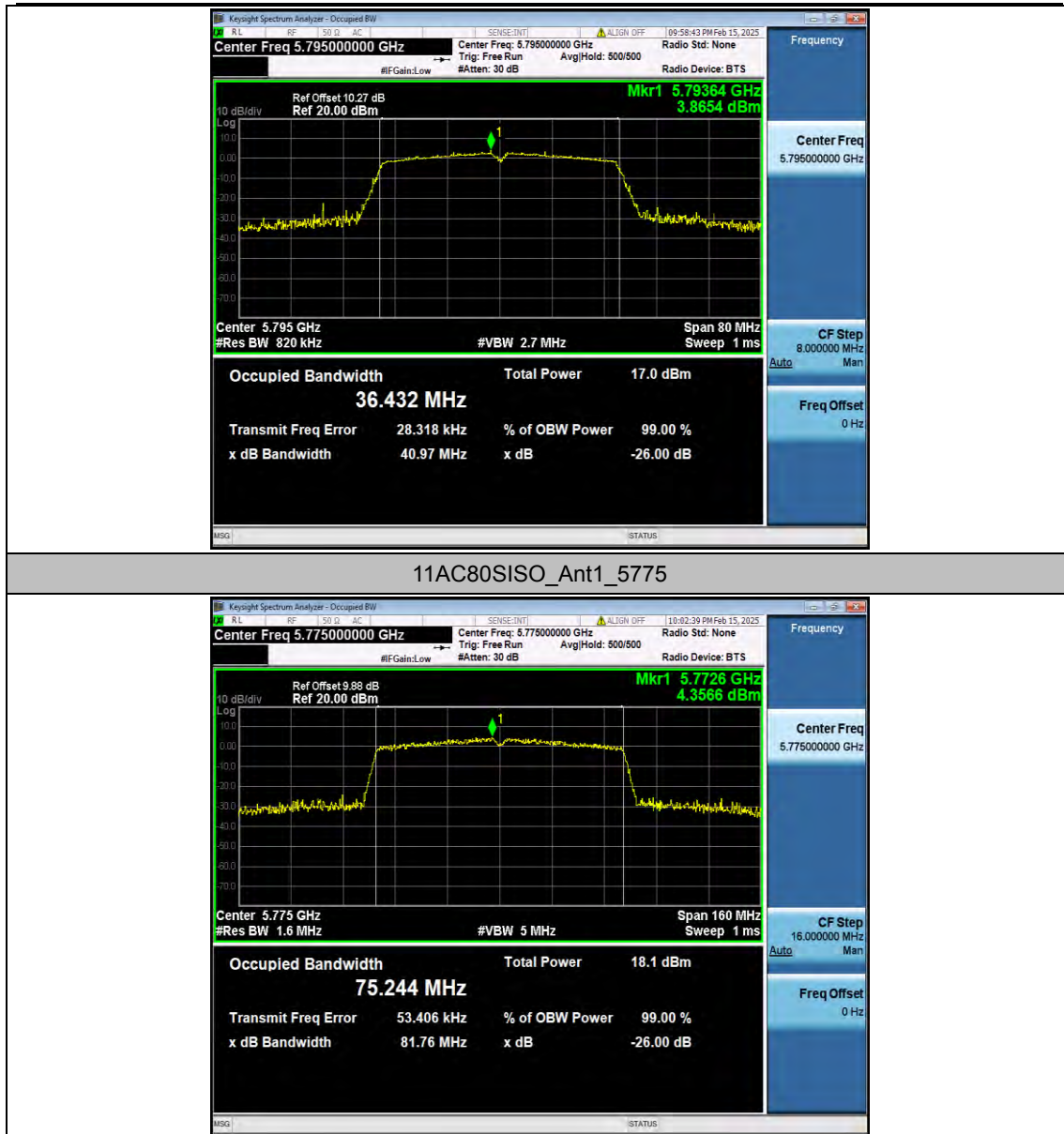
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



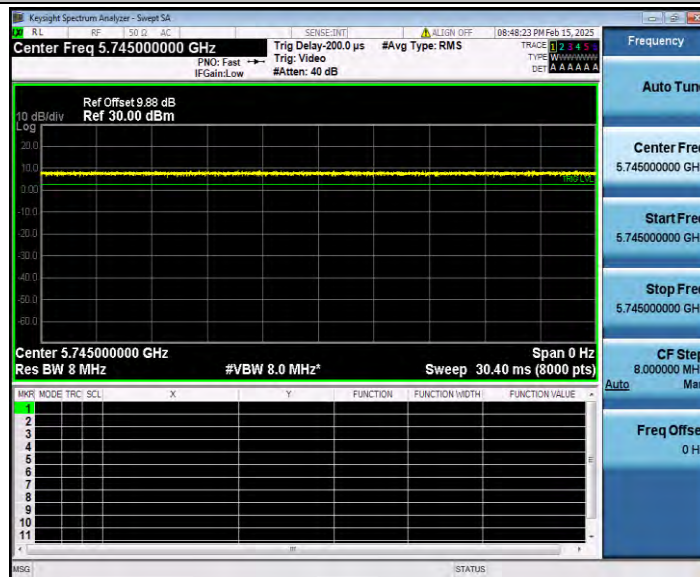
Appendix G.3: Duty Cycle

Test Result

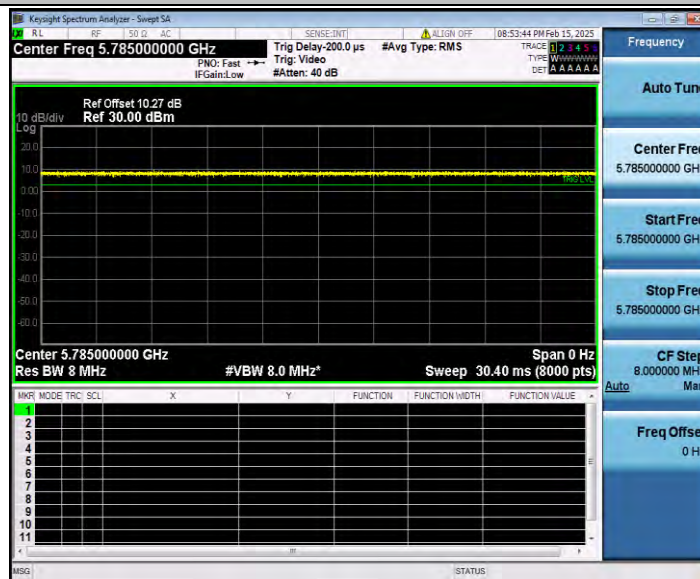
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	30.00	30.00	100.00	0.00	0.03
		5785	30.00	30.00	100.00	0.00	0.03
		5825	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant1	5745	30.00	30.00	100.00	0.00	0.03
		5785	30.00	30.00	100.00	0.00	0.03
		5825	30.00	30.00	100.00	0.00	0.03
11N40SISO	Ant1	5755	30.00	30.00	100.00	0.00	0.03
		5795	30.00	30.00	100.00	0.00	0.03
11AC20SISO	Ant1	5745	30.00	30.00	100.00	0.00	0.03
		5785	30.00	30.00	100.00	0.00	0.03
		5825	30.00	30.00	100.00	0.00	0.03
11AC40SISO	Ant1	5755	30.00	30.00	100.00	0.00	0.03
		5795	30.00	30.00	100.00	0.00	0.03
11AC80SISO	Ant1	5775	30.00	30.00	100.00	0.00	0.03

Test Graphs

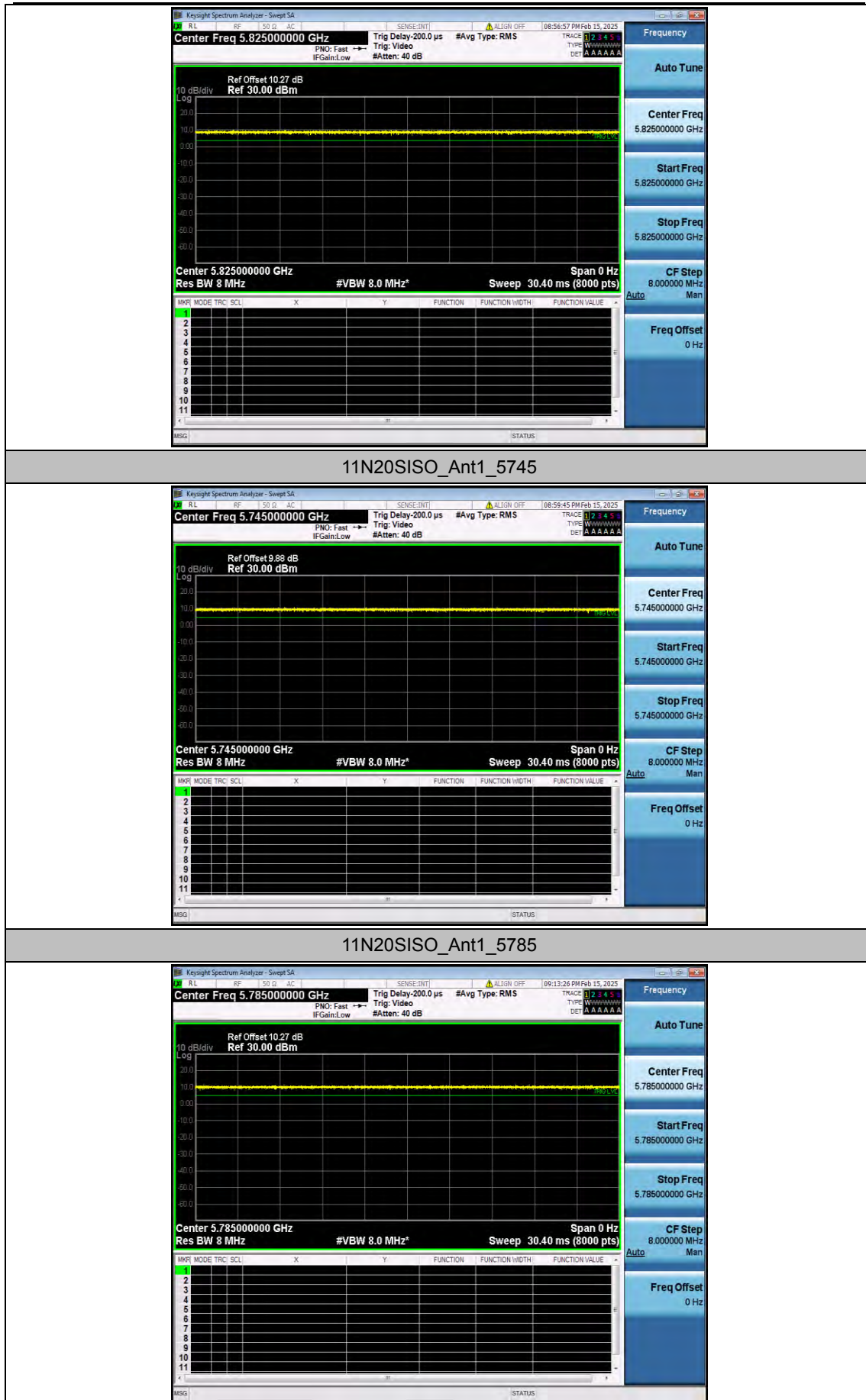
11A_Ant1_5745



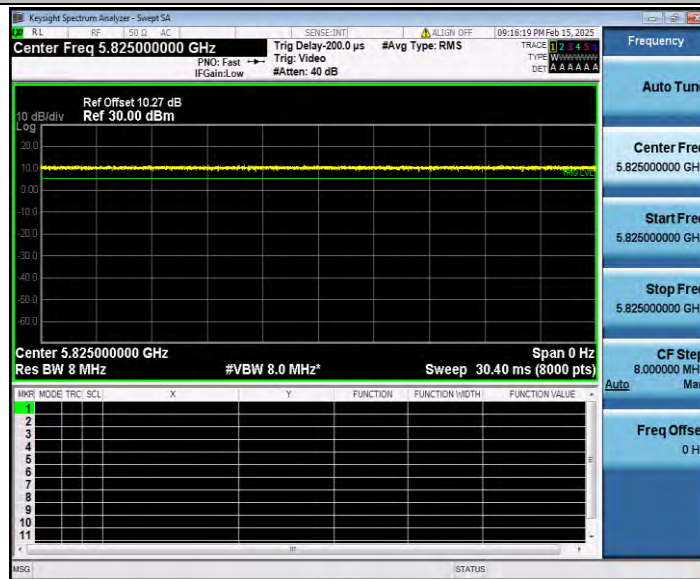
11A_Ant1_5785



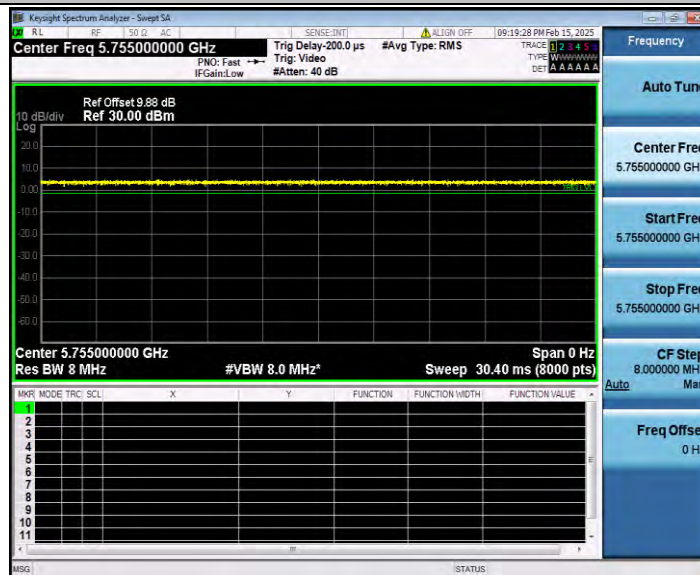
11A_Ant1_5825



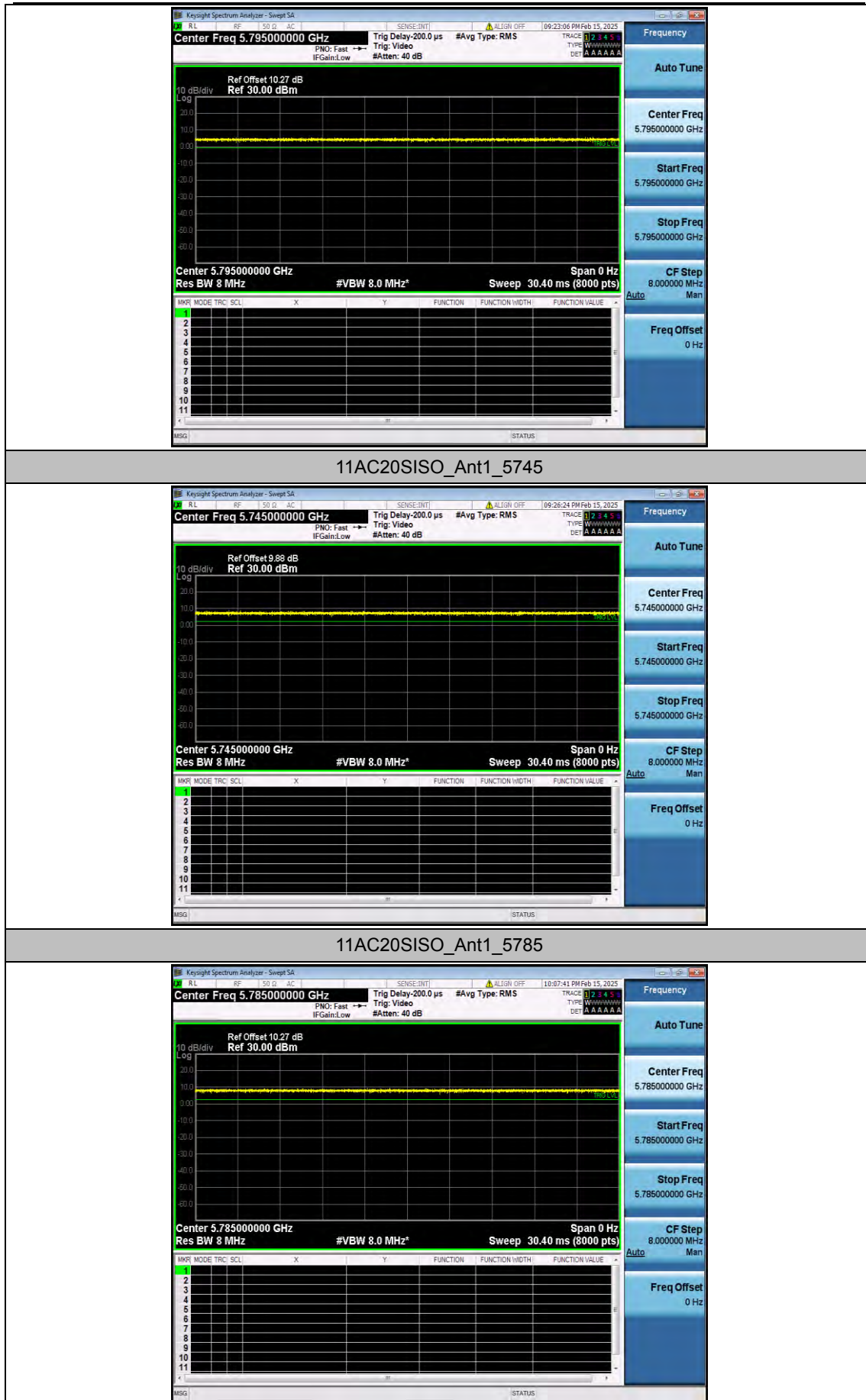
11N20SISO_Ant1_5825



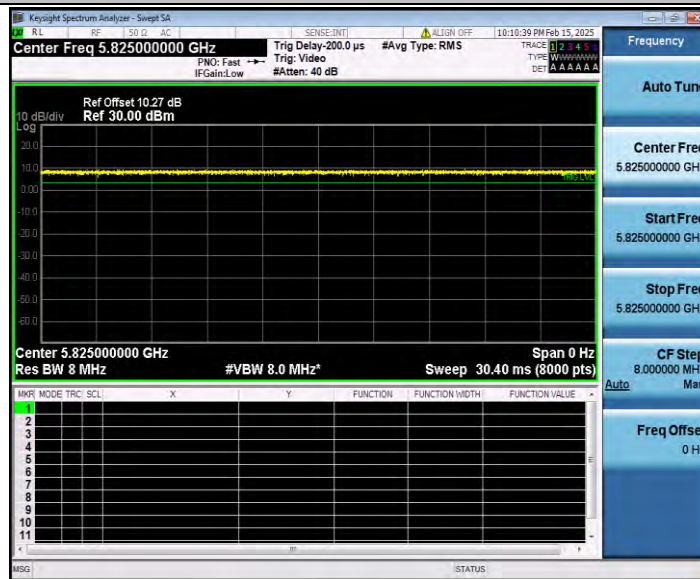
11N40SISO_Ant1_5755



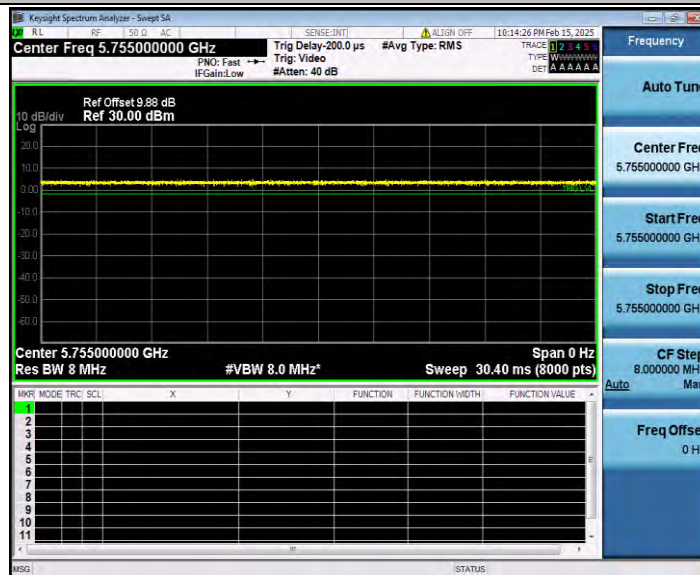
11N40SISO_Ant1_5795



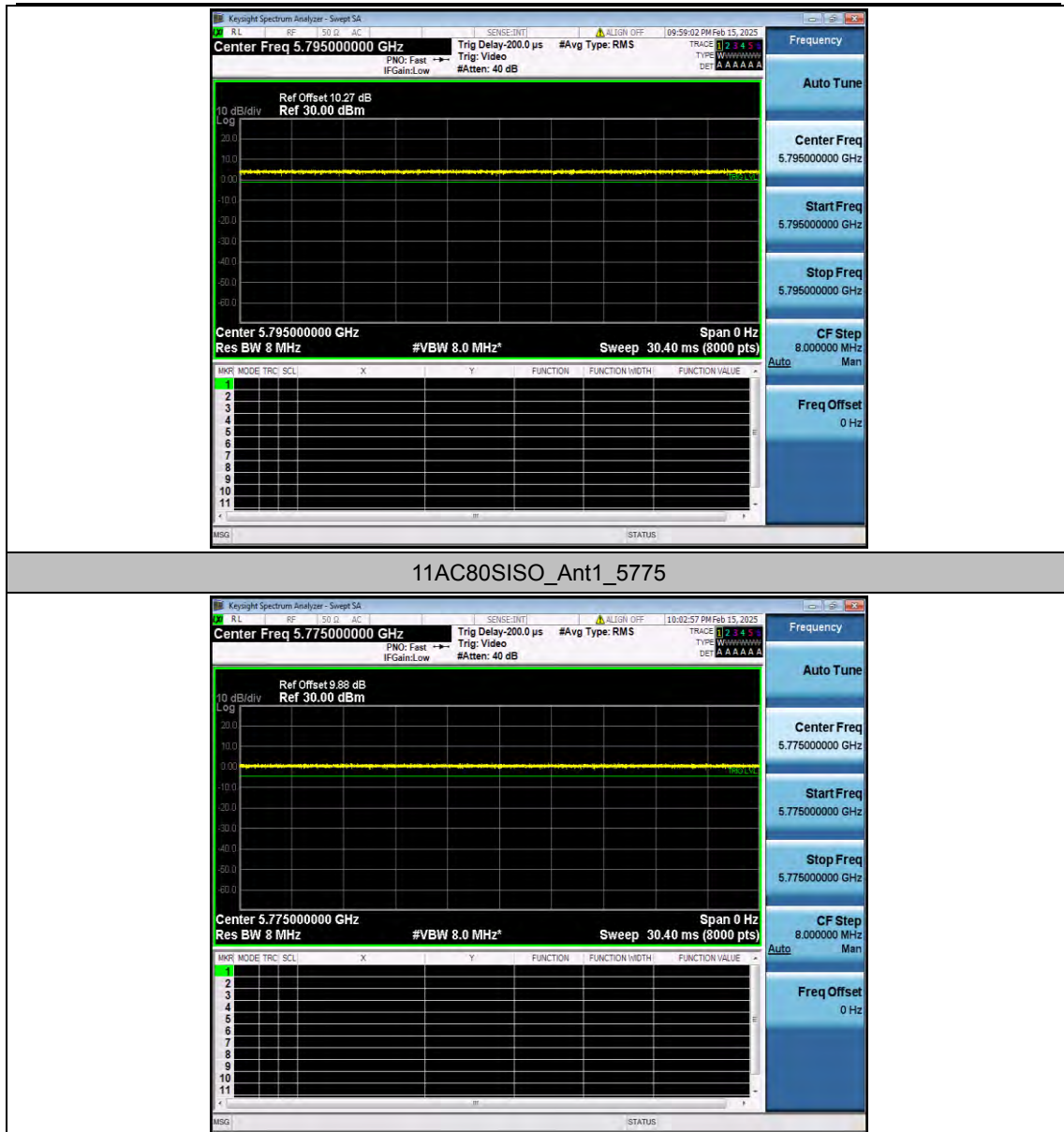
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



Appendix G.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	10.37	100.00	0.00	10.37	≤30.00	PASS
		5785	10.80	100.00	0.00	10.80	≤30.00	PASS
		5825	11.43	100.00	0.00	11.43	≤30.00	PASS
11N20SISO	Ant1	5745	12.30	100.00	0.00	12.30	≤30.00	PASS
		5785	12.98	100.00	0.00	12.98	≤30.00	PASS
		5825	13.29	100.00	0.00	13.29	≤30.00	PASS
11N40SISO	Ant1	5755	9.11	100.00	0.00	9.11	≤30.00	PASS
		5795	9.87	100.00	0.00	9.87	≤30.00	PASS
11AC20SISO	Ant1	5745	10.14	100.00	0.00	10.14	≤30.00	PASS
		5785	10.56	100.00	0.00	10.56	≤30.00	PASS
		5825	10.92	100.00	0.00	10.92	≤30.00	PASS
11AC40SISO	Ant1	5755	8.81	100.00	0.00	8.81	≤30.00	PASS
		5795	9.62	100.00	0.00	9.62	≤30.00	PASS
11AC80SISO	Ant1	5775	9.10	100.00	0.00	9.10	≤30.00	PASS

Appendix G.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-3.13	≤30.00	PASS
		5785	-2.49	≤30.00	PASS
		5825	-1.91	≤30.00	PASS
11N20SISO	Ant1	5745	-1.23	≤30.00	PASS
		5785	-0.44	≤30.00	PASS
		5825	-0.37	≤30.00	PASS
11N40SISO	Ant1	5755	-7.21	≤30.00	PASS
		5795	-6.50	≤30.00	PASS
11AC20SISO	Ant1	5745	-3.46	≤30.00	PASS
		5785	-2.82	≤30.00	PASS
		5825	-2.57	≤30.00	PASS
11AC40SISO	Ant1	5755	-7.44	≤30.00	PASS
		5795	-6.75	≤30.00	PASS
11AC80SISO	Ant1	5775	-10.58	≤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



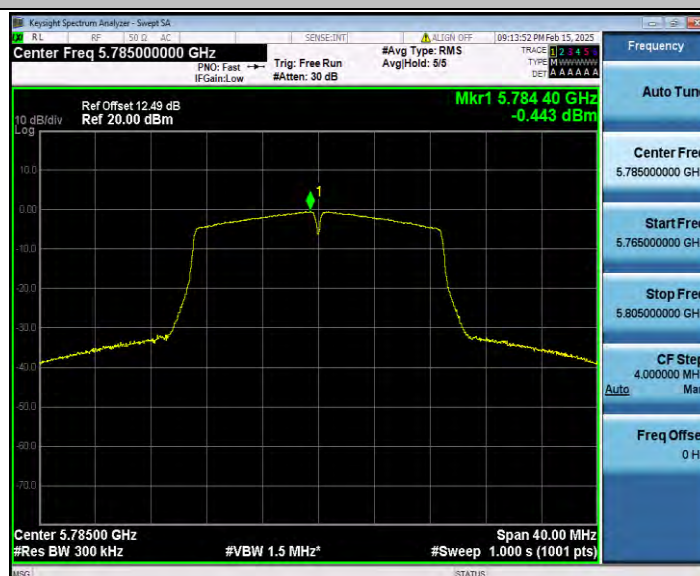
11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



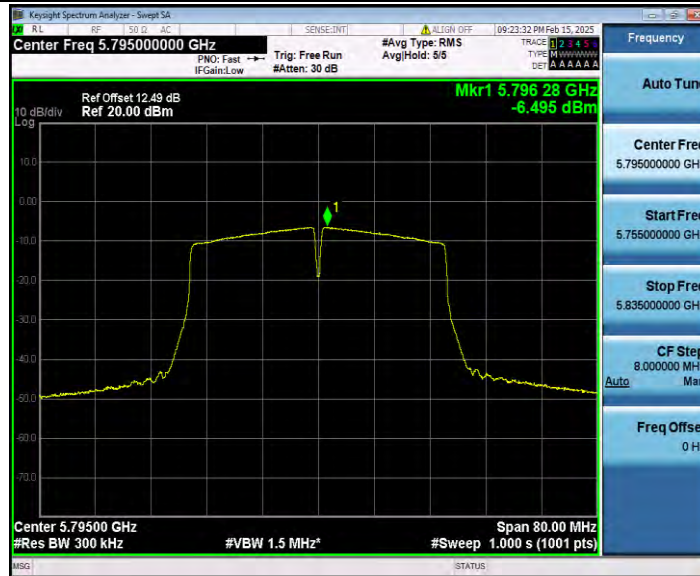
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795

