

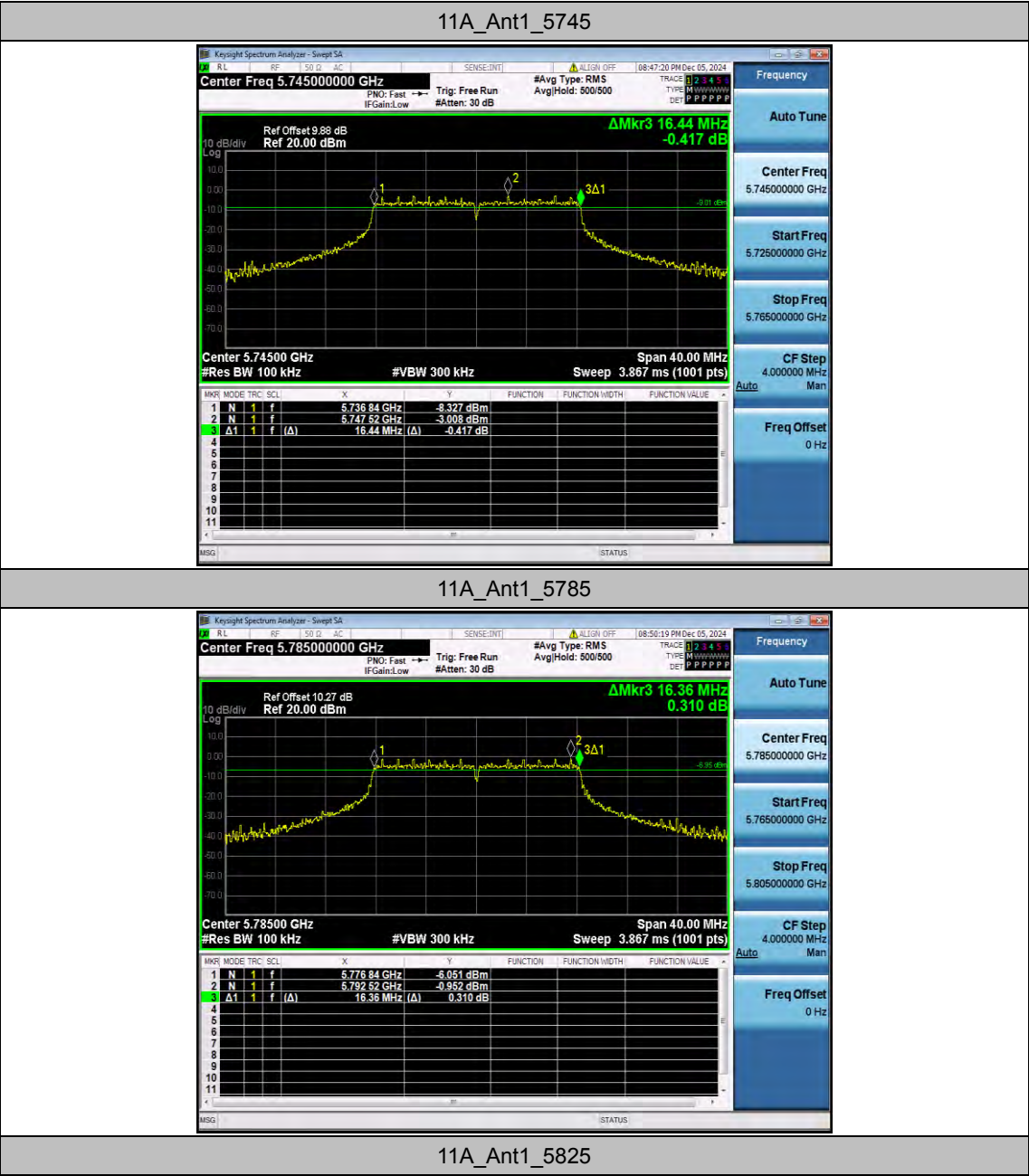
Case No. : <u>GTS20241123004-1-03</u>	
Ambient Condition: <u>22</u> °C, <u>52</u> %RH	
According Standard: <u>■Part15E</u>	
Test Date: <u>2024.12.5</u>	Test Engineer: <u>Evan ouyang</u>

Appendix D.1: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.440	5736.840	5753.280	0.5	PASS
		5785	16.360	5776.840	5793.200	0.5	PASS
		5825	16.400	5816.800	5833.200	0.5	PASS
11N20SISO	Ant1	5745	17.600	5736.240	5753.840	0.5	PASS
		5785	17.600	5776.240	5793.840	0.5	PASS
		5825	17.640	5816.200	5833.840	0.5	PASS
11N40SISO	Ant1	5755	36.320	5736.920	5773.240	0.5	PASS
		5795	36.400	5776.840	5813.240	0.5	PASS
11AC20SISO	Ant1	5745	17.600	5736.240	5753.840	0.5	PASS
		5785	17.640	5776.240	5793.880	0.5	PASS
		5825	17.640	5816.200	5833.840	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5736.920	5773.240	0.5	PASS
		5795	36.400	5776.840	5813.240	0.5	PASS
11AX20SISO	Ant1	5745	19.040	5735.520	5754.560	0.5	PASS
		5785	19.040	5775.520	5794.560	0.5	PASS
		5825	18.960	5815.560	5834.520	0.5	PASS
11AX40SISO	Ant1	5755	38.240	5735.880	5774.120	0.5	PASS
		5795	38.080	5776.040	5814.120	0.5	PASS

Test Graphs B4





11N20SISO_Ant1_5745



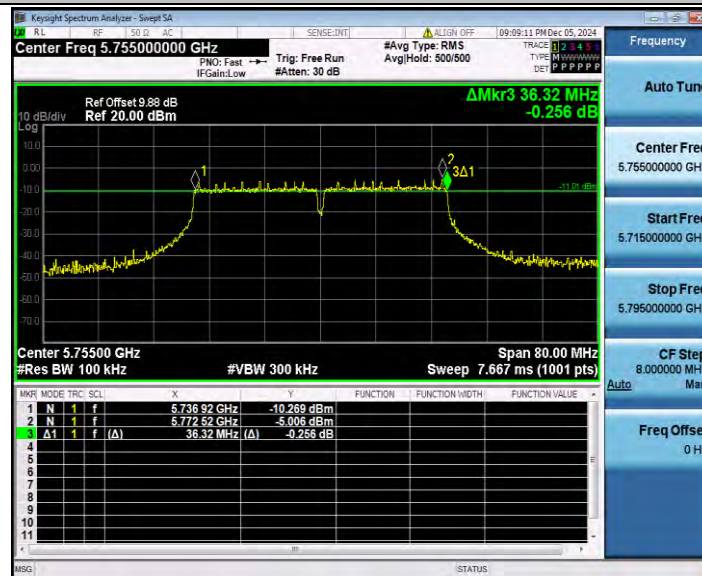
11N20SISO_Ant1_5785



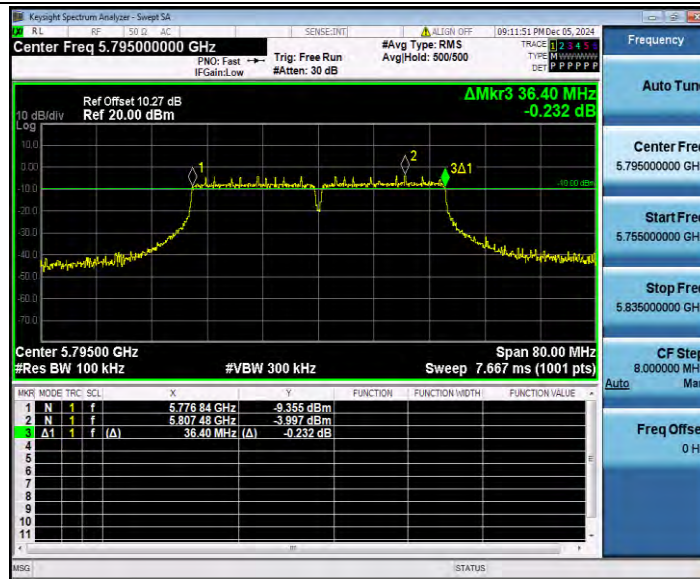
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



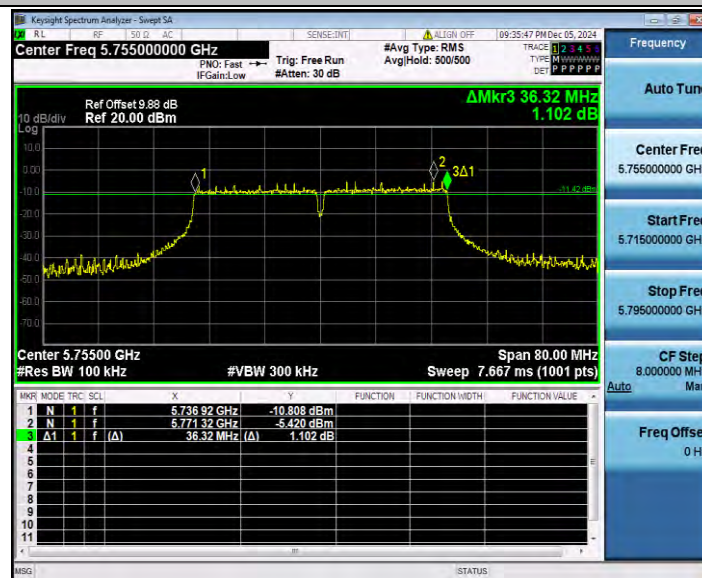
11AC20SISO_Ant1_5785



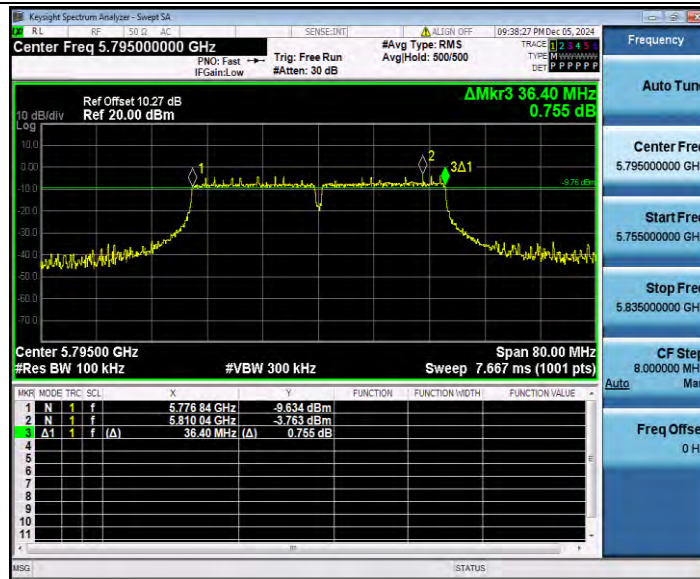
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



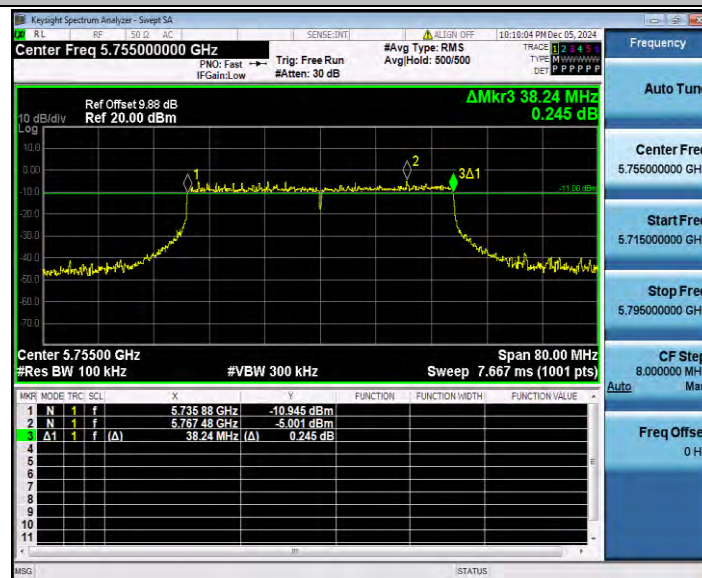
11AX20SISO_Ant1_5785



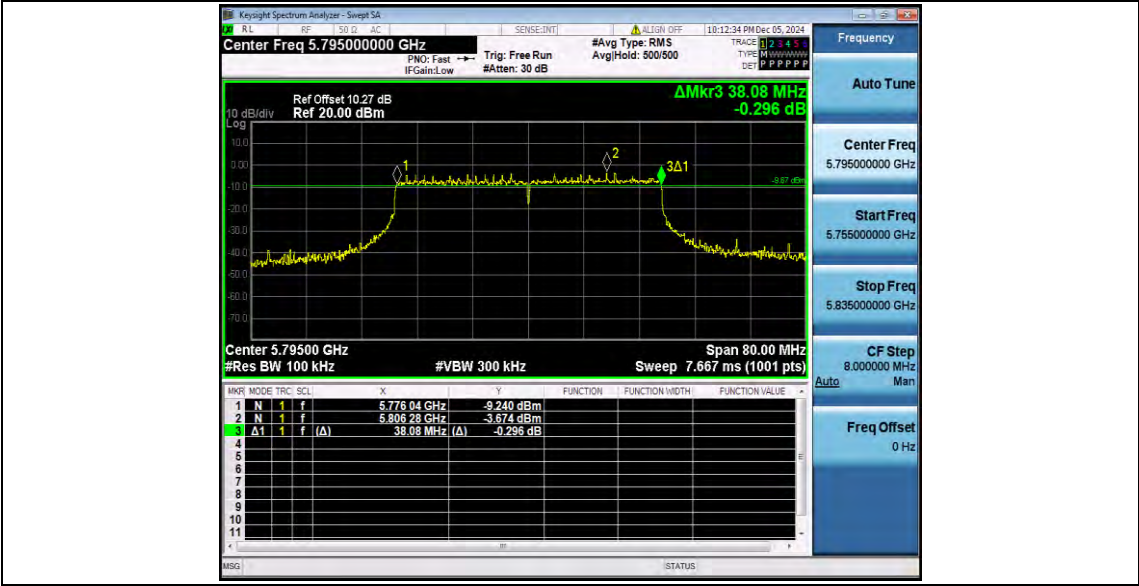
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

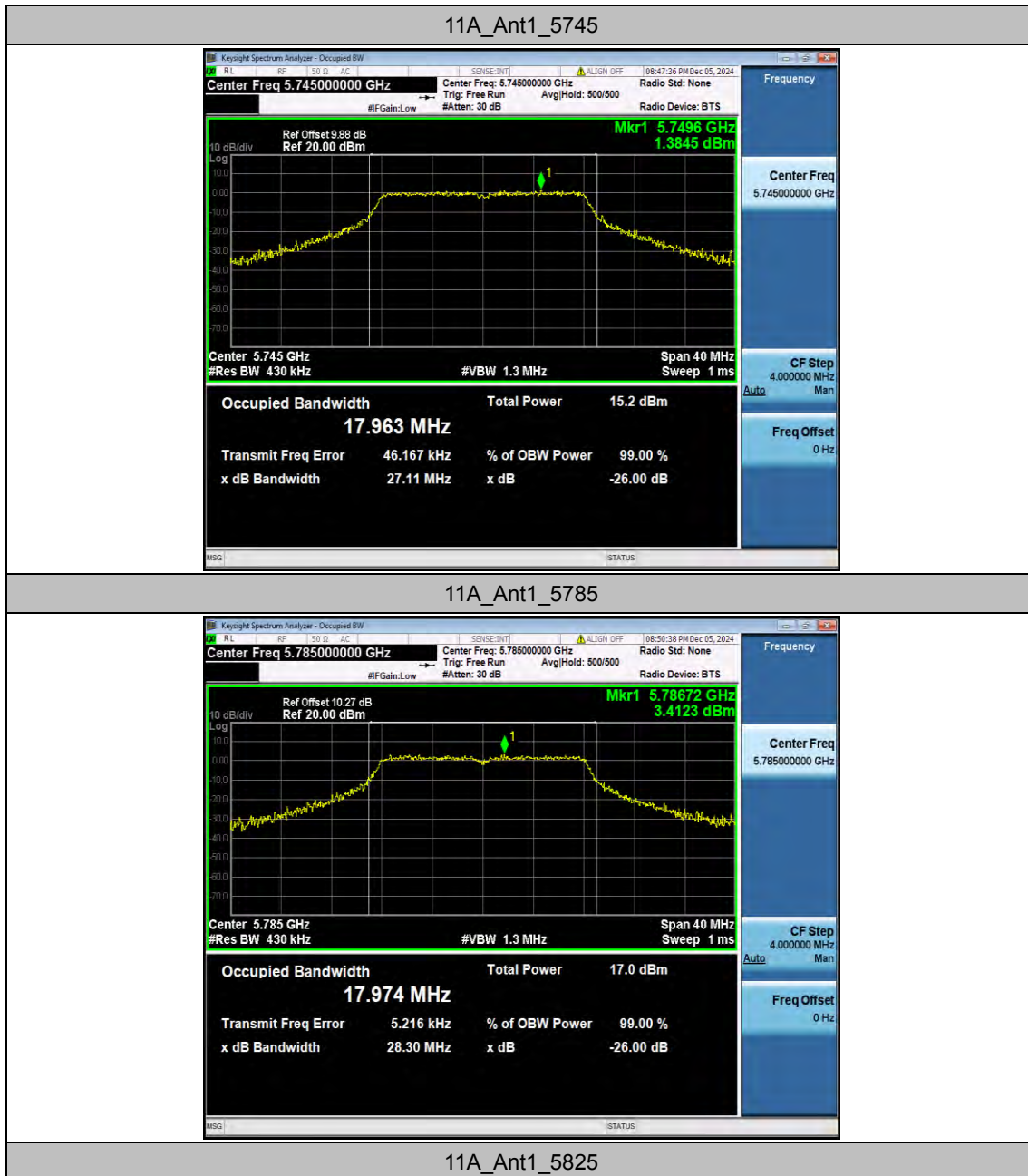


Appendix D.2: Occupied channel bandwidth

Test Result

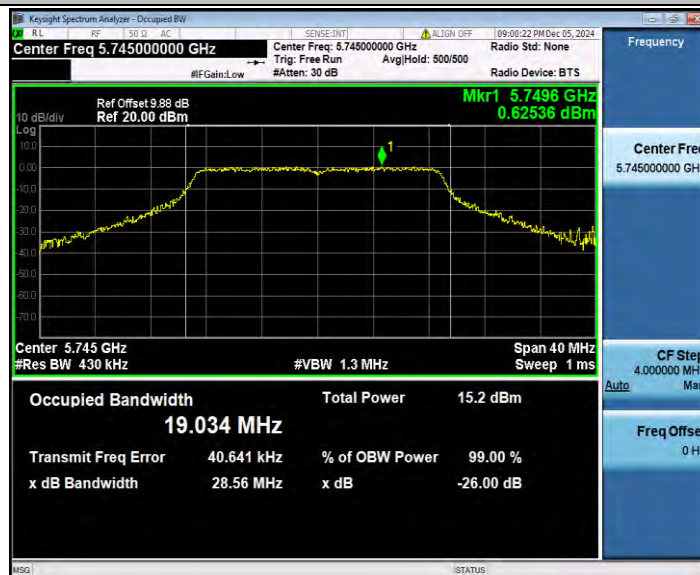
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.963	5736.0647	5754.0277	---	---
		5785	17.974	5776.0182	5793.9922	---	---
		5825	17.767	5816.0890	5833.8560	---	---
11N20SISO	Ant1	5745	19.034	5735.5236	5754.5576	---	---
		5785	19.007	5775.6016	5794.6086	---	---
		5825	18.962	5815.5494	5834.5114	---	---
11N40SISO	Ant1	5755	37.573	5736.4004	5773.9734	---	---
		5795	37.771	5776.2730	5814.0440	---	---
11AC20SISO	Ant1	5745	19.060	5735.5192	5754.5792	---	---
		5785	19.136	5775.5538	5794.6898	---	---
		5825	18.999	5815.5229	5834.5219	---	---
11AC40SISO	Ant1	5755	37.621	5736.3720	5773.9930	---	---
		5795	37.773	5776.3457	5814.1187	---	---
11AX20SISO	Ant1	5745	19.608	5735.2620	5754.8700	---	---
		5785	19.681	5775.2561	5794.9371	---	---
		5825	19.549	5815.2331	5834.7821	---	---
11AX40SISO	Ant1	5755	38.518	5735.8321	5774.3501	---	---
		5795	38.676	5775.8081	5814.4841	---	---

Test Graphs

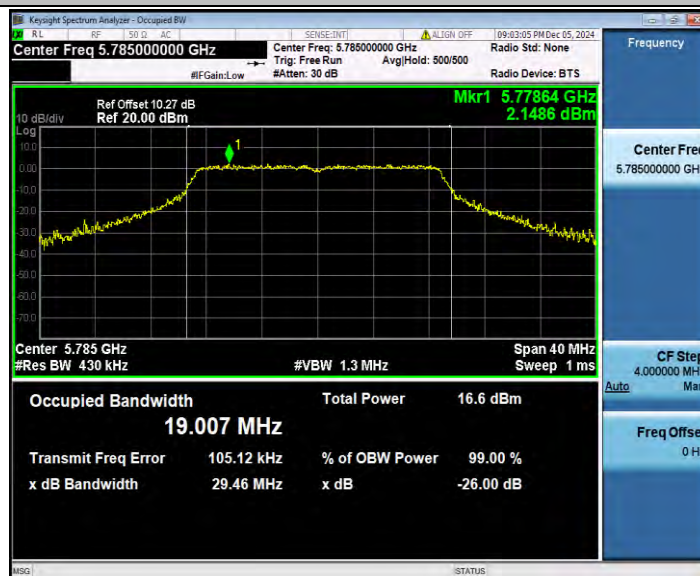




11N20SISO_Ant1_5745



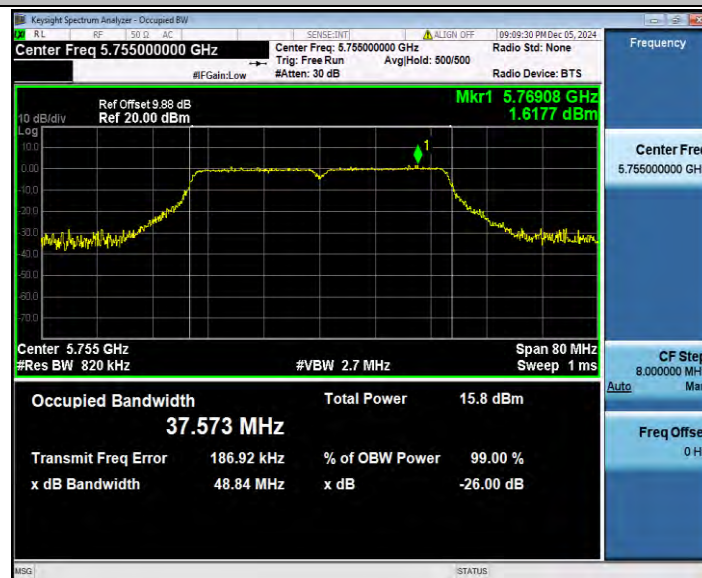
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



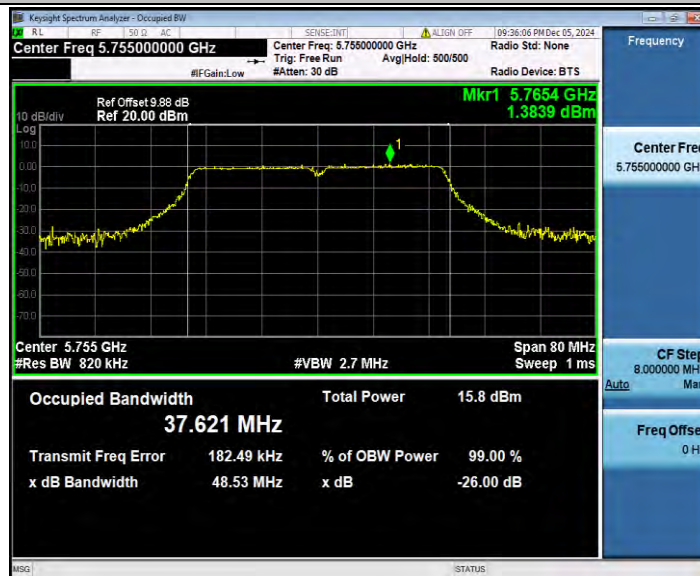
11AC20SISO_Ant1_5785



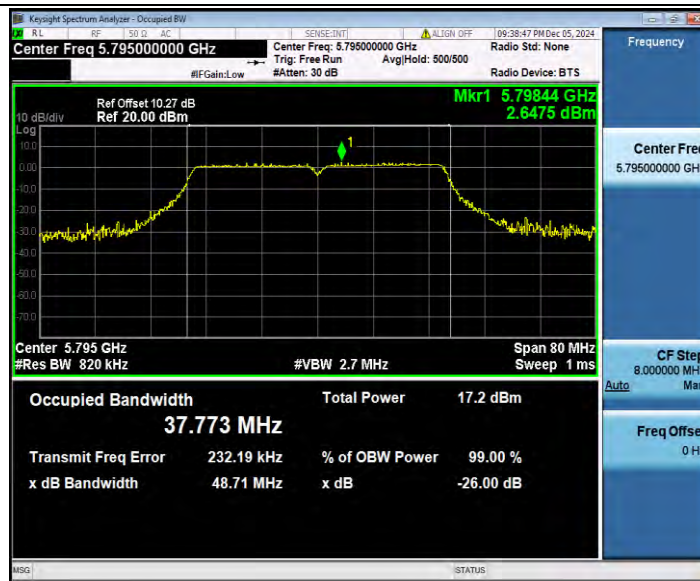
11AC20SISO_Ant1_5825



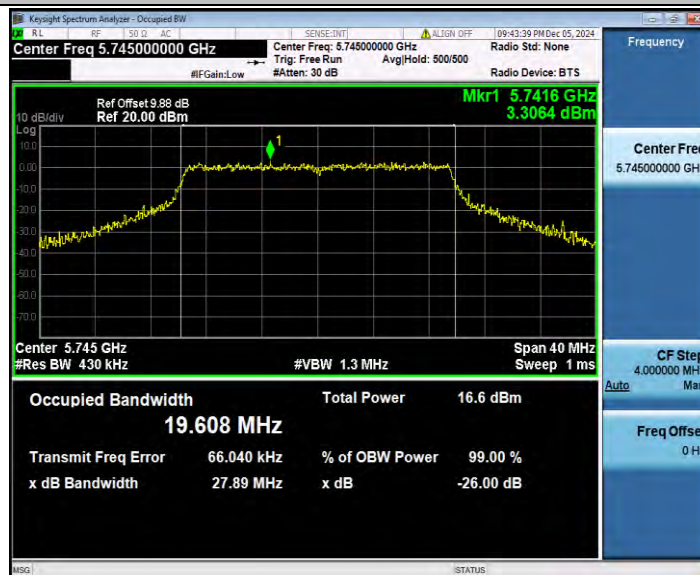
11AC40SISO_Ant1_5755



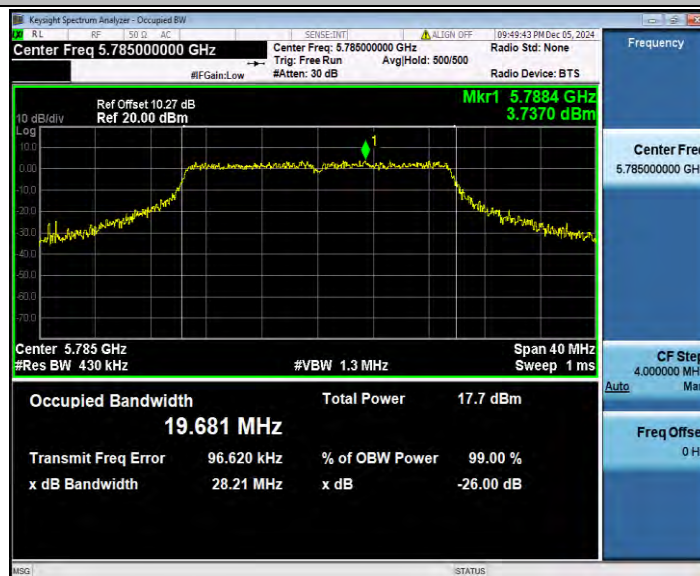
11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



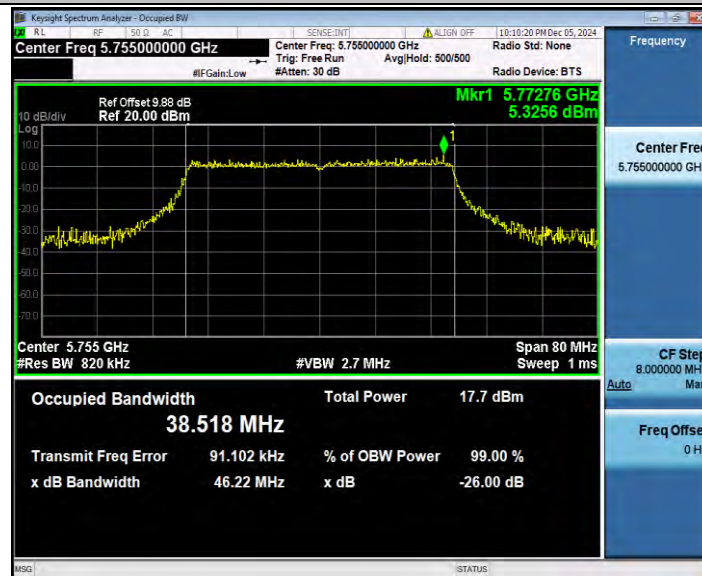
11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

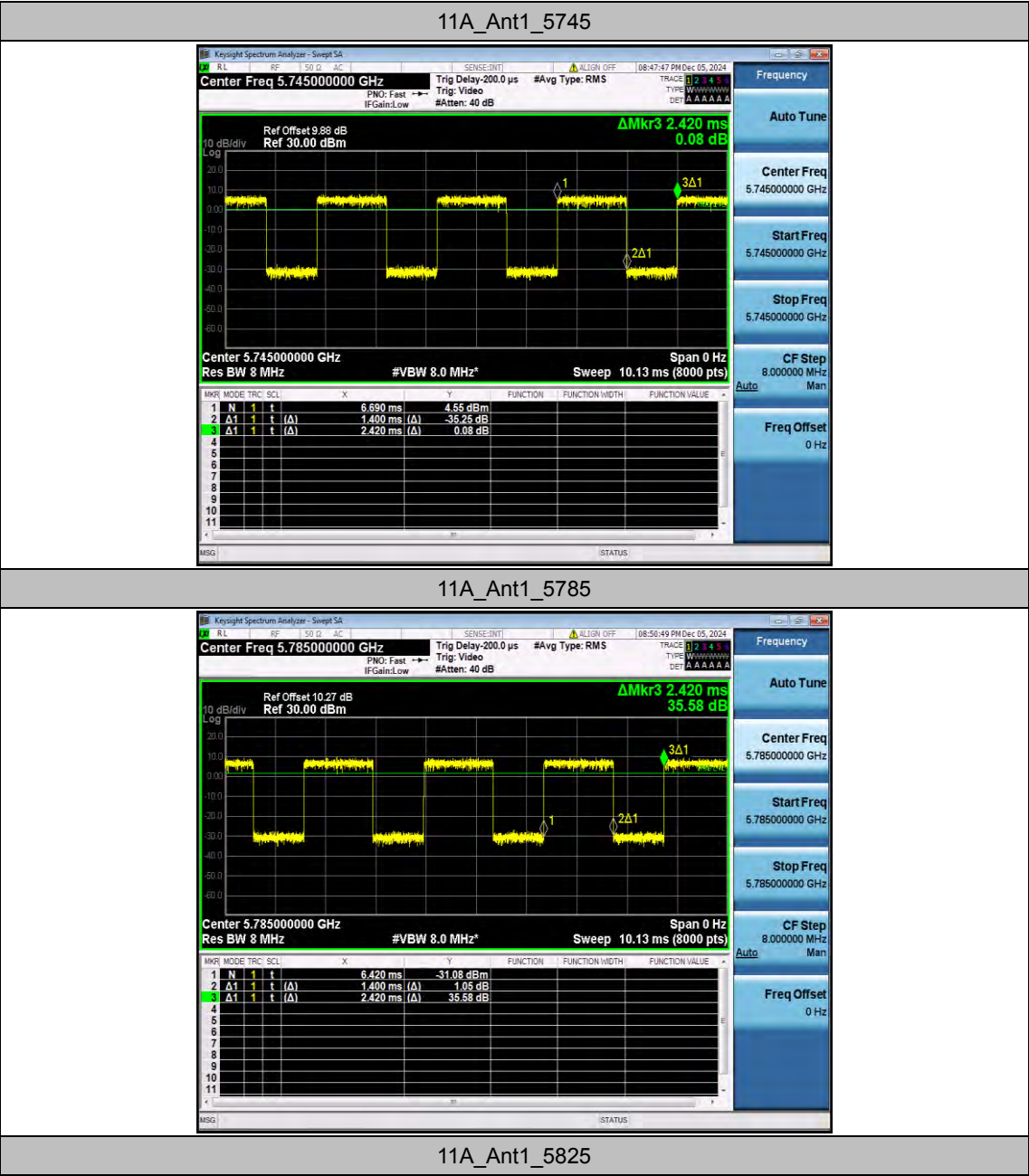


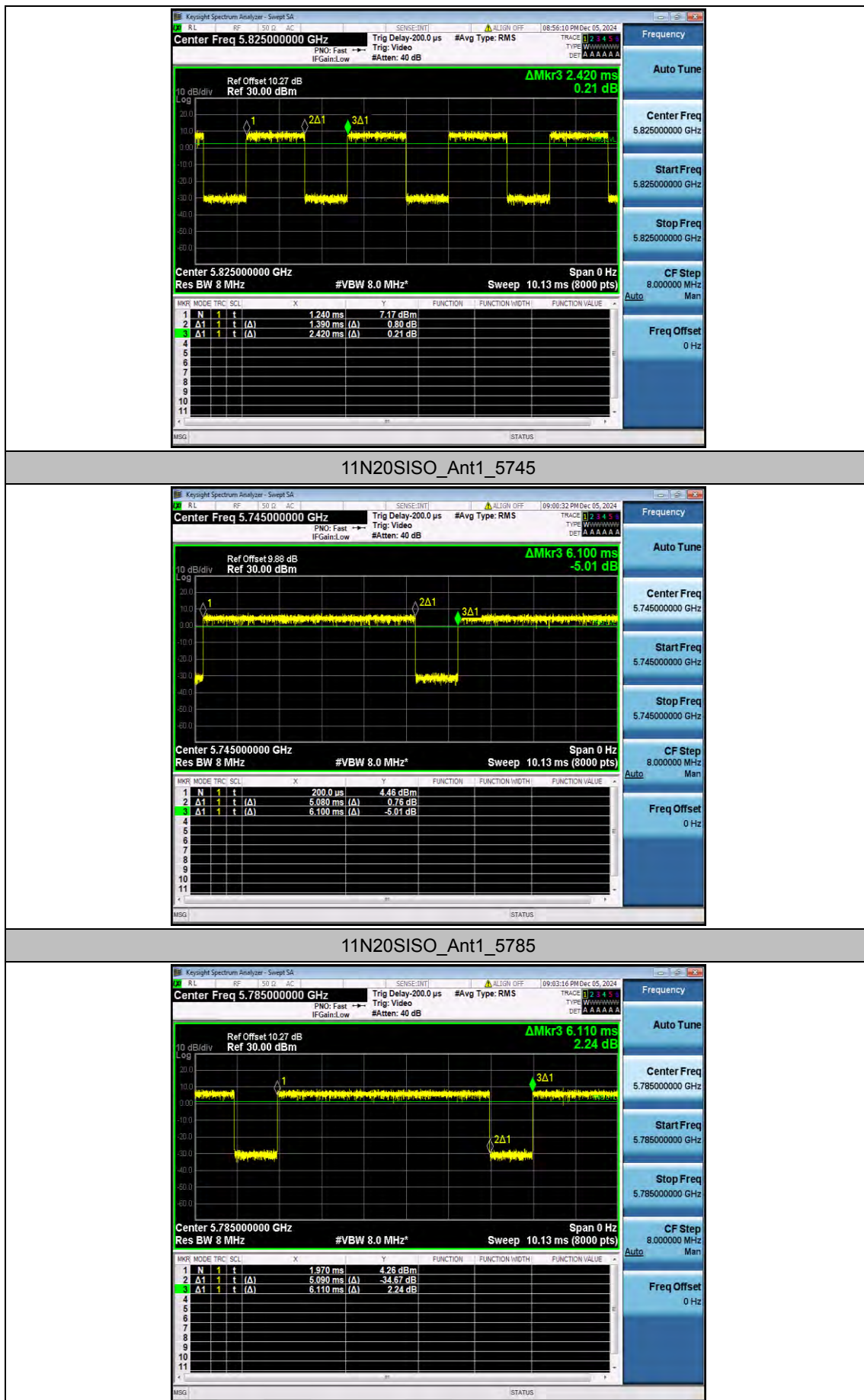
Appendix D.3: Duty Cycle

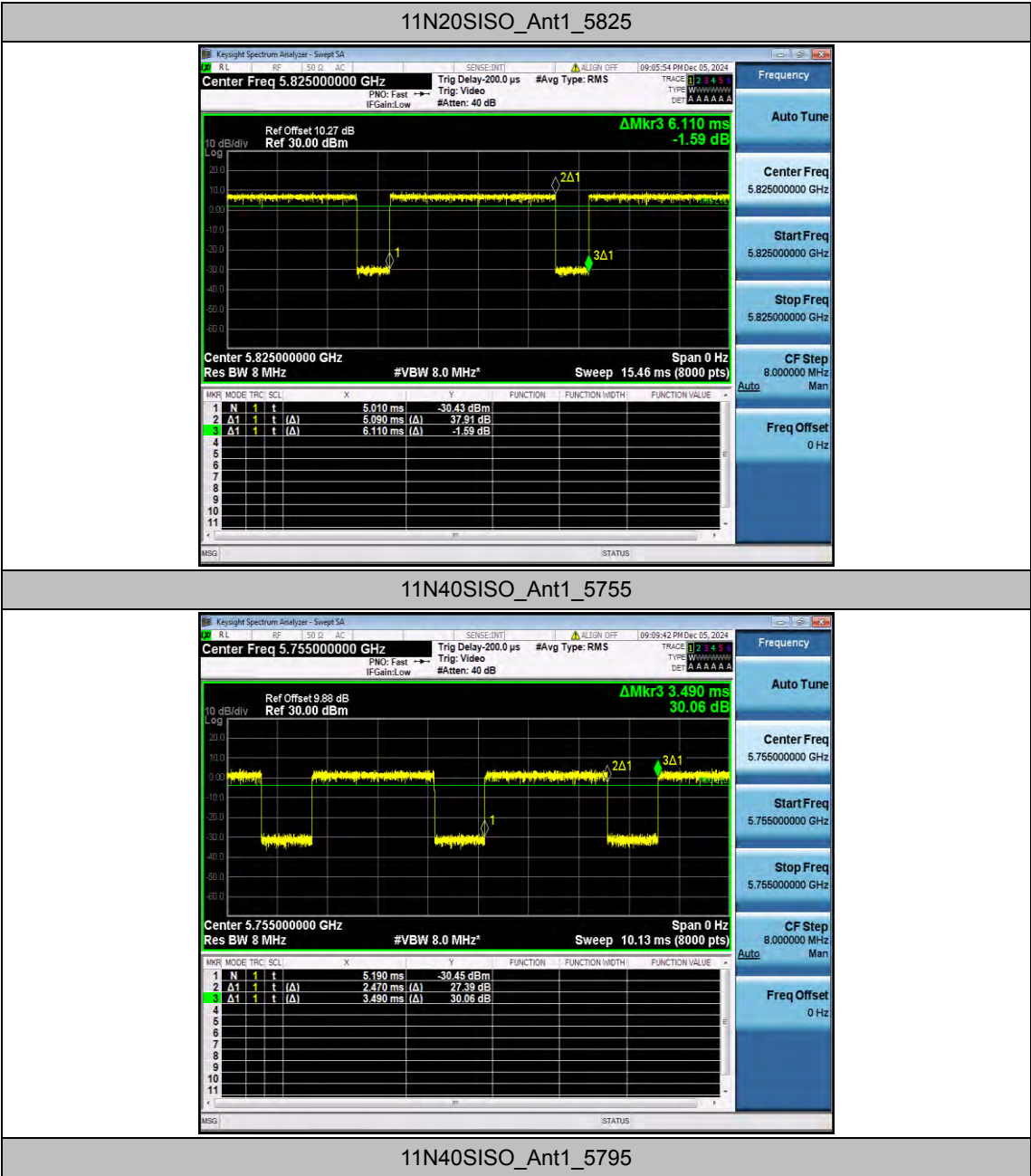
Test Result

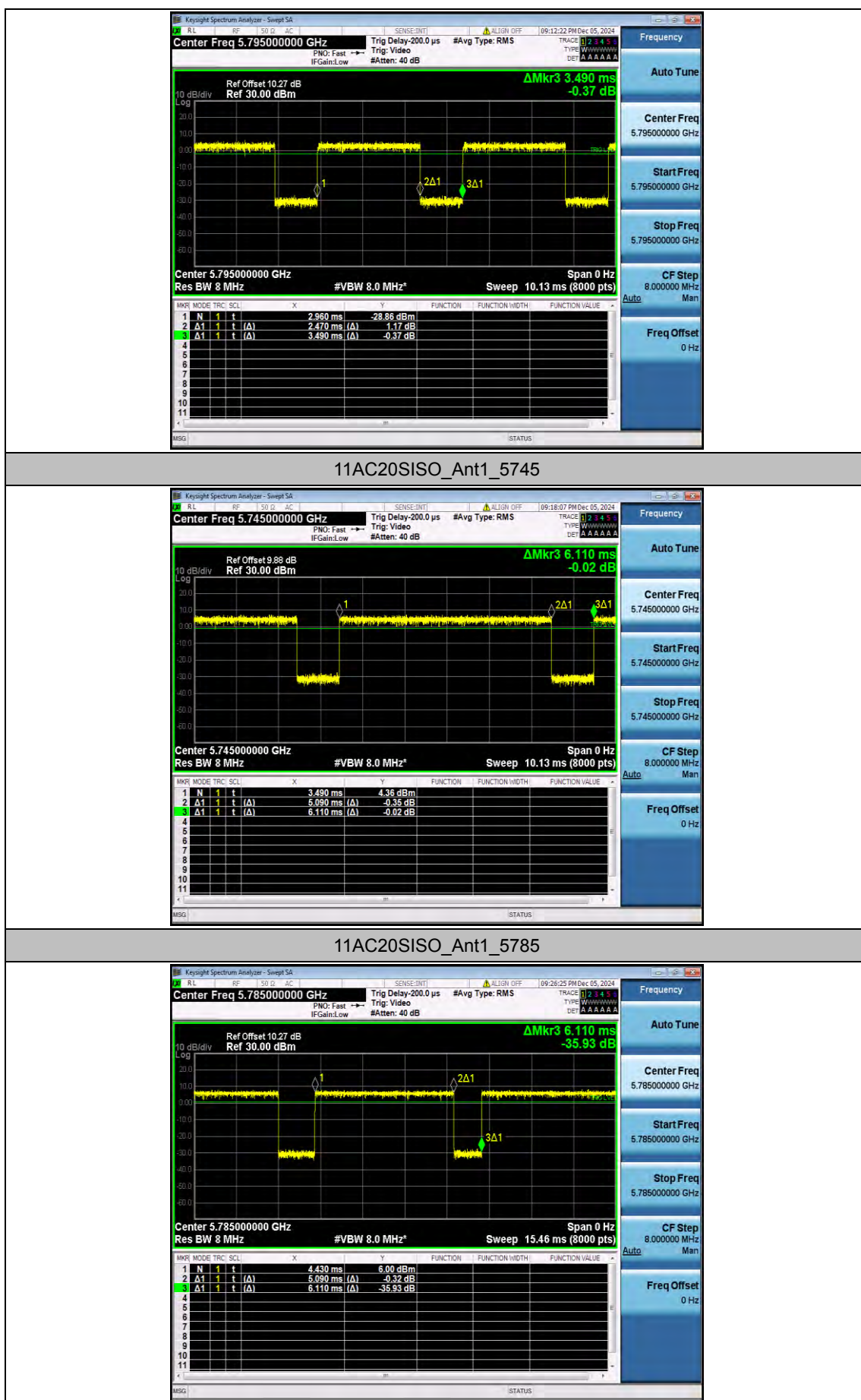
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	1.40	2.42	57.85	2.38	0.71
		5785	1.40	2.42	57.85	2.38	0.71
		5825	1.39	2.42	57.44	2.41	0.72
11N20SISO	Ant1	5745	5.08	6.10	83.28	0.79	0.20
		5785	5.09	6.11	83.31	0.79	0.20
		5825	5.09	6.11	83.31	0.79	0.20
11N40SISO	Ant1	5755	2.47	3.49	70.77	1.50	0.40
		5795	2.47	3.49	70.77	1.50	0.40
11AC20SISO	Ant1	5745	5.09	6.11	83.31	0.79	0.20
		5785	5.09	6.11	83.31	0.79	0.20
		5825	5.10	6.12	83.33	0.79	0.20
11AC40SISO	Ant1	5755	4.90	5.92	82.77	0.82	0.20
		5795	4.91	5.92	82.94	0.81	0.20
11AX20SISO	Ant1	5745	3.88	4.89	79.35	1.00	0.26
		5785	3.87	4.89	79.14	1.02	0.26
		5825	3.87	4.89	79.14	1.02	0.26
11AX40SISO	Ant1	5755	3.87	4.89	79.14	1.02	0.26
		5795	3.87	4.89	79.14	1.02	0.26

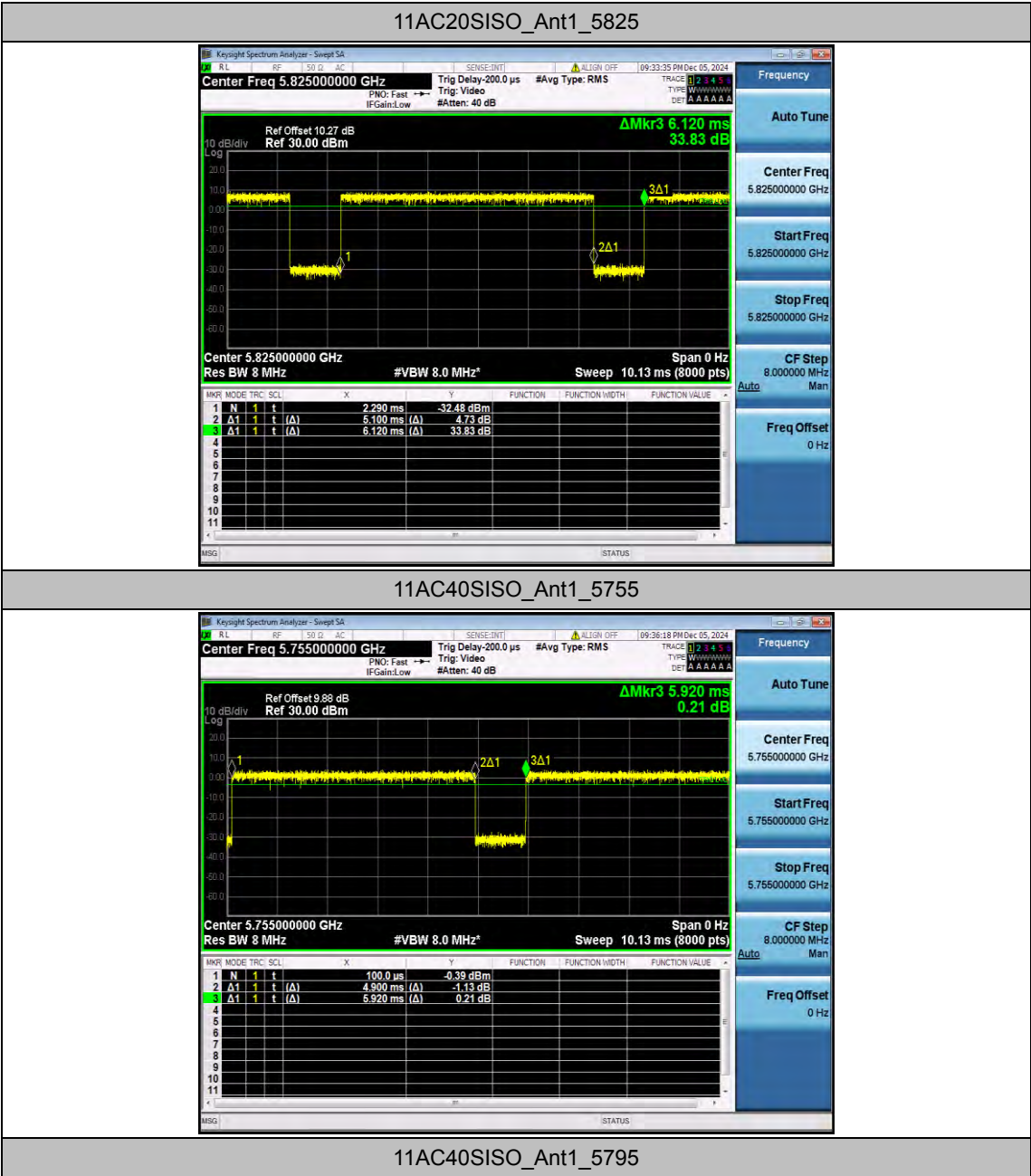
Test Graphs

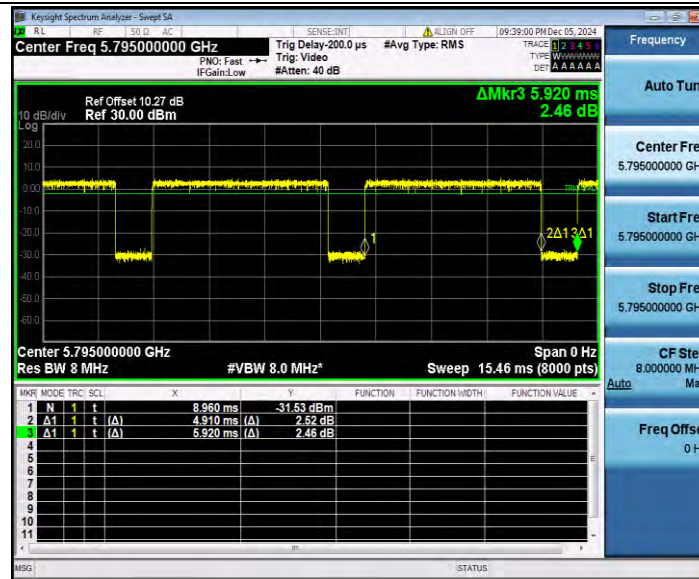




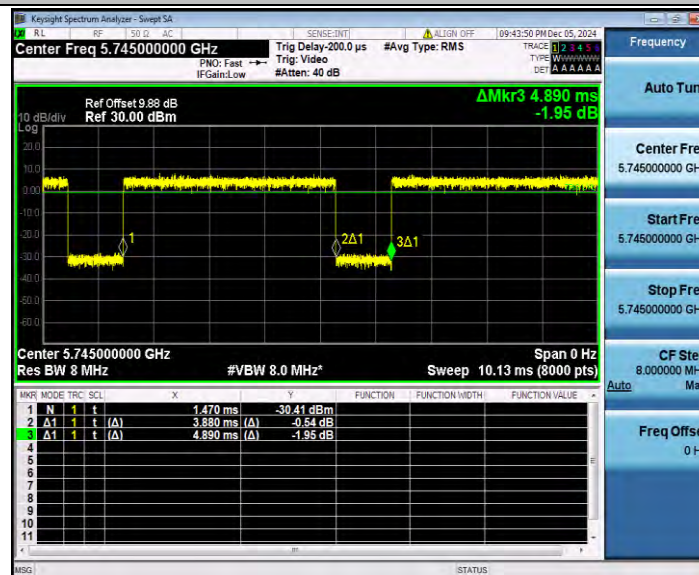




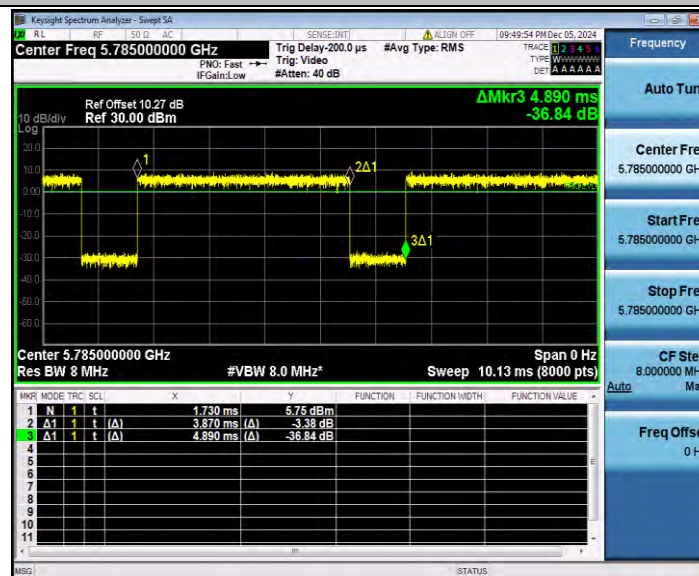




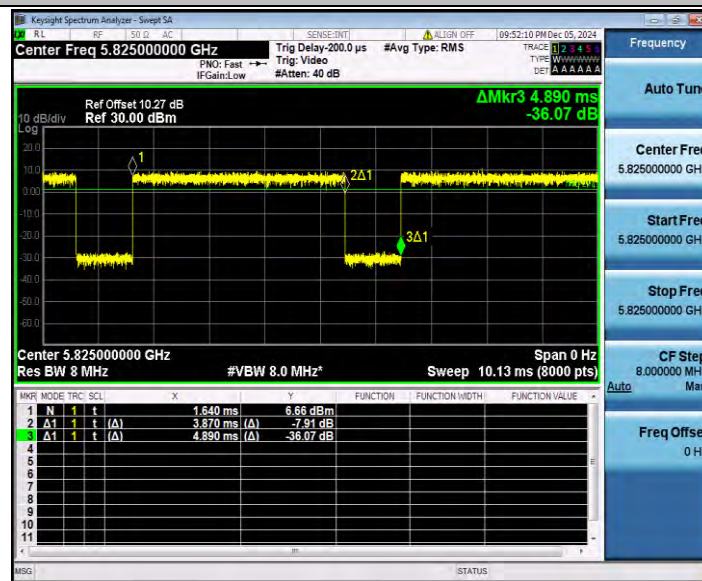
11AX20SISO_Ant1_5745



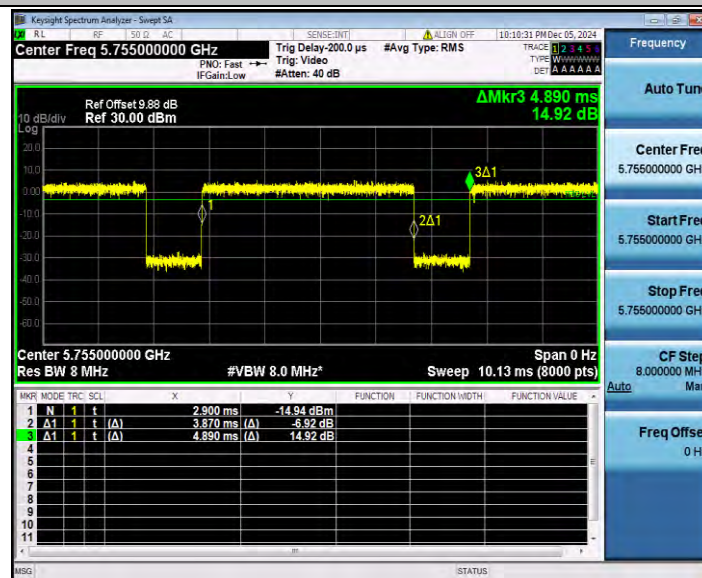
11AX20SISO_Ant1_5785



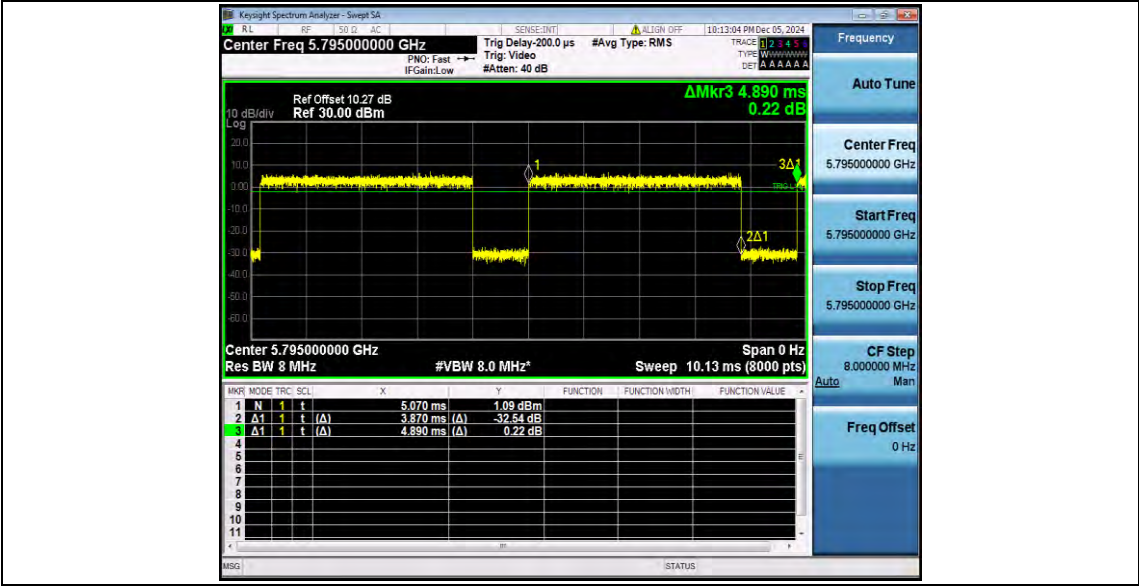
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



Appendix D.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	6.40	57.85	2.38	8.78	≤30.00	PASS
		5785	8.16	57.85	2.38	10.54	≤30.00	PASS
		5825	8.86	57.44	2.41	11.27	≤30.00	PASS
11N20SISO	Ant1	5745	7.62	83.28	0.79	8.41	≤30.00	PASS
		5785	9.13	83.31	0.79	9.92	≤30.00	PASS
		5825	9.85	83.31	0.79	10.64	≤30.00	PASS
11N40SISO	Ant1	5755	7.05	70.77	1.50	8.55	≤30.00	PASS
		5795	8.43	70.77	1.50	9.93	≤30.00	PASS
11AC20SISO	Ant1	5745	7.26	83.31	0.79	8.05	≤30.00	PASS
		5785	8.95	83.31	0.79	9.74	≤30.00	PASS
		5825	10.16	83.33	0.79	10.95	≤30.00	PASS
11AC40SISO	Ant1	5755	7.87	82.77	0.82	8.69	≤30.00	PASS
		5795	8.94	82.94	0.81	9.75	≤30.00	PASS
11AX20SISO	Ant1	5745	7.45	79.35	1.00	8.45	≤30.00	PASS
		5785	8.61	79.14	1.02	9.63	≤30.00	PASS
		5825	9.39	79.14	1.02	10.41	≤30.00	PASS
11AX40SISO	Ant1	5755	7.89	79.14	1.02	8.91	≤30.00	PASS
		5795	8.86	79.14	1.02	9.88	≤30.00	PASS

Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-3.58	≤30.00	PASS
		5785	-1.93	≤30.00	PASS
		5825	-1.12	≤30.00	PASS
11N20SISO	Ant1	5745	-5.72	≤30.00	PASS
		5785	-4.28	≤30.00	PASS
		5825	-3.50	≤30.00	PASS
11N40SISO	Ant1	5755	-7.45	≤30.00	PASS
		5795	-5.91	≤30.00	PASS
11AC20SISO	Ant1	5745	-5.80	≤30.00	PASS
		5785	-4.34	≤30.00	PASS
		5825	-3.59	≤30.00	PASS
11AC40SISO	Ant1	5755	-8.21	≤30.00	PASS
		5795	-6.75	≤30.00	PASS
11AX20SISO	Ant1	5745	-5.97	≤30.00	PASS
		5785	-4.62	≤30.00	PASS
		5825	-3.97	≤30.00	PASS
11AX40SISO	Ant1	5755	-8.07	≤30.00	PASS
		5795	-6.87	≤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

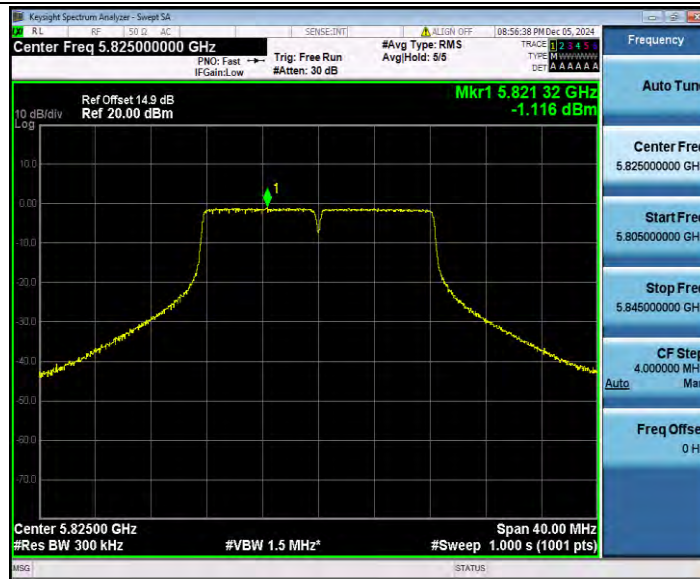
11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



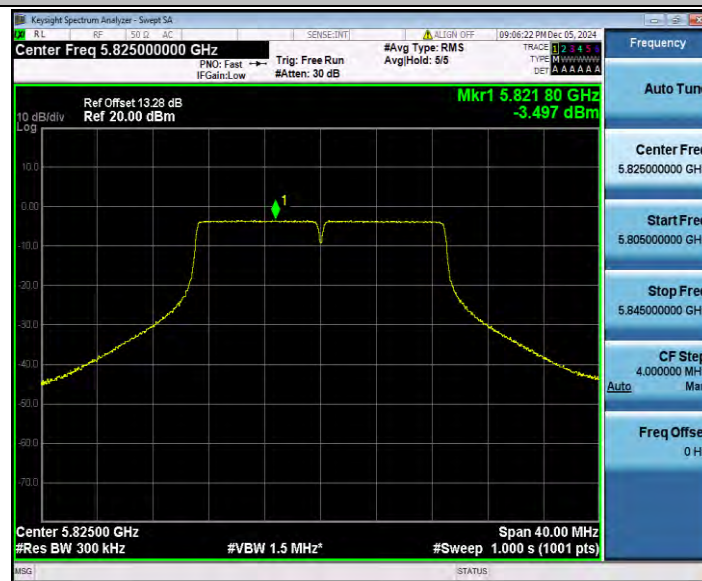
11N20SISO_Ant1_5745



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



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

