

Case No. : <u>GTS20250918002-1-04</u>
Ambient Condition: <u>22 °C, 47 %RH</u>
According Standard: <u>■Part15E</u>
Test Date: <u>2025.10.11-2025.12.12</u> Test Engineer: <u>Evan ouyang</u>

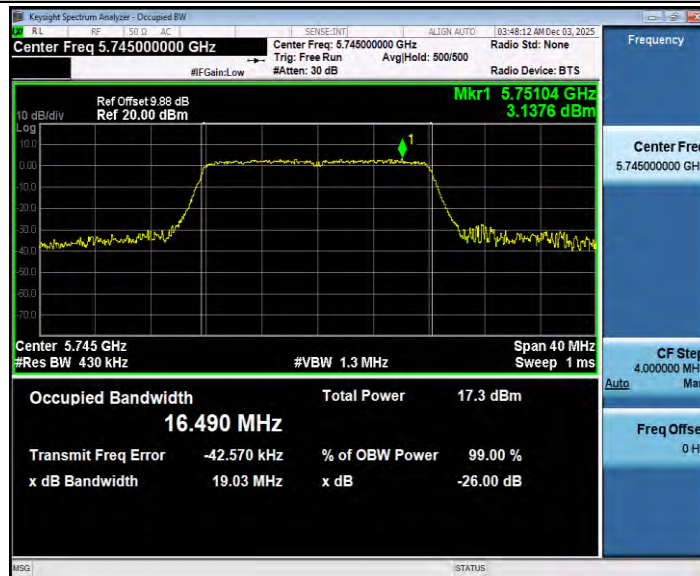
Appendix E.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.490	5736.7124	5753.2024	---	---
		5785	16.558	5776.6678	5793.2258	---	---
		5825	16.573	5816.6831	5833.2561	---	---
11N20SISO	Ant1	5745	17.640	5736.1375	5753.7775	---	---
		5785	17.681	5776.1273	5793.8083	---	---
		5825	17.722	5816.0959	5833.8179	---	---
11N40SISO	Ant1	5755	36.337	5736.9078	5773.2448	---	---
		5795	36.573	5776.7450	5813.3180	---	---
11AC20SISO	Ant1	5745	17.715	5736.0954	5753.8104	---	---
		5785	17.693	5776.0876	5793.7806	---	---
		5825	17.744	5816.0599	5833.8039	---	---
11AC40SISO	Ant1	5755	36.291	5736.8006	5773.0916	---	---
		5795	36.332	5776.8099	5813.1419	---	---
11AC80SISO	Ant1	5775	75.532	5737.0437	5812.5757	---	---

Test Graphs

11A_Ant1_5745



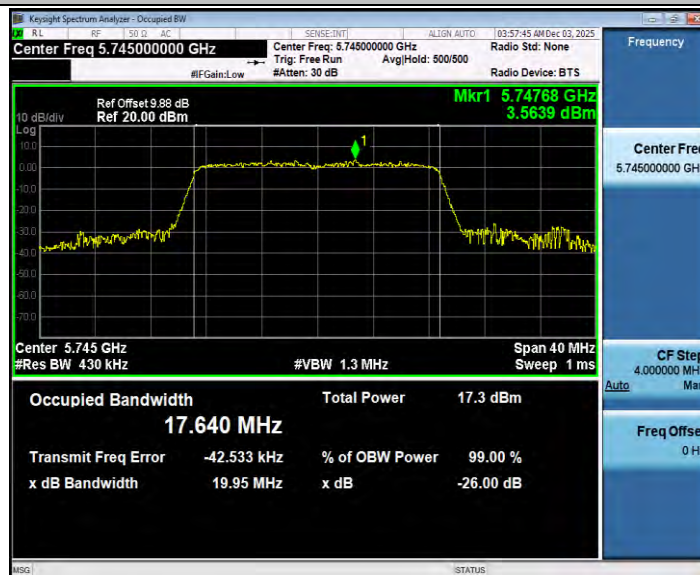
11A_Ant1_5785



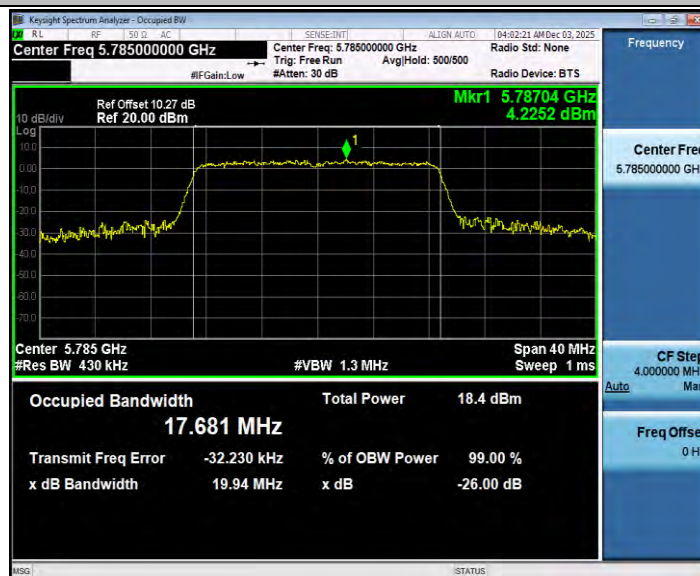
11A_Ant1_5825



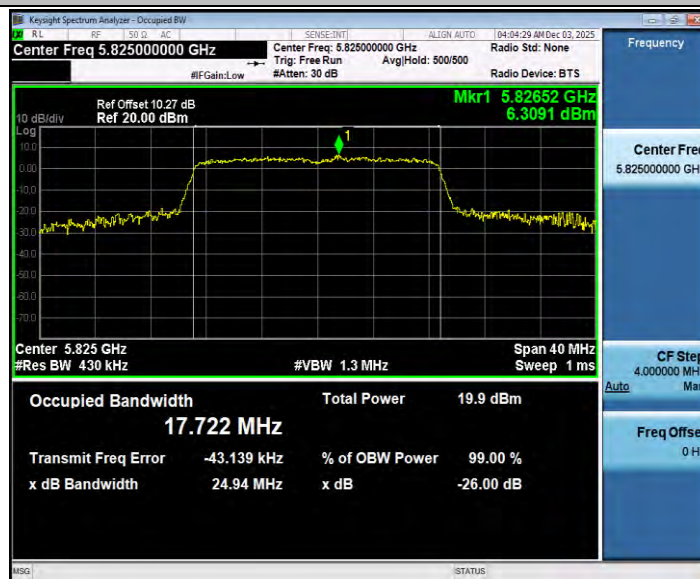
11N20SISO_Ant1_5745



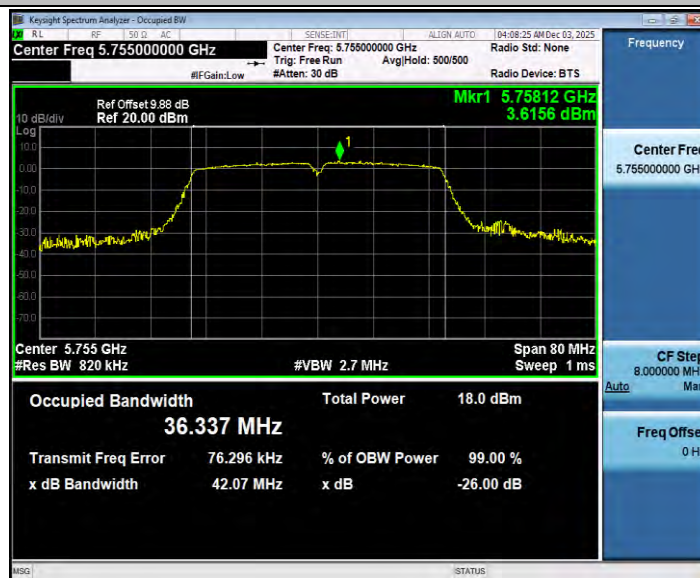
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



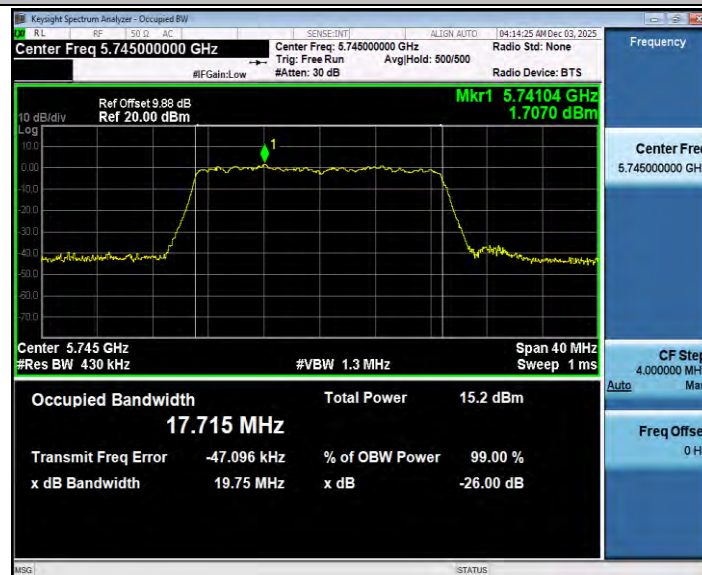
11N40SISO_Ant1_5755



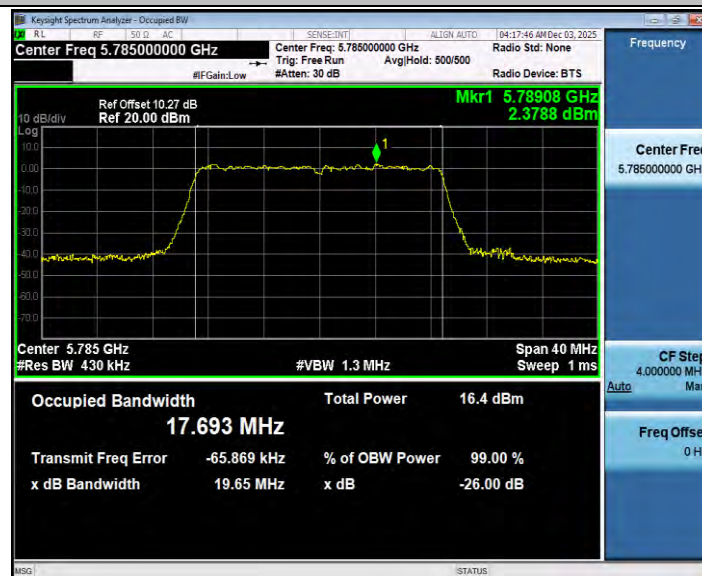
11N40SISO_Ant1_5795



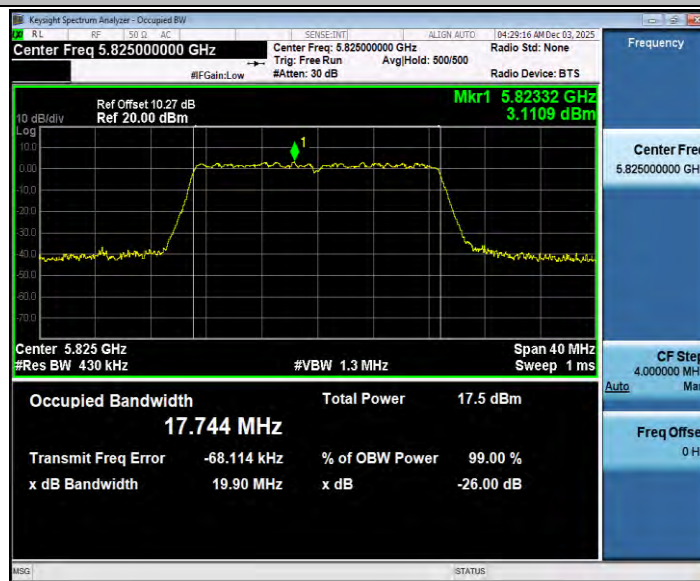
11AC20SISO_Ant1_5745



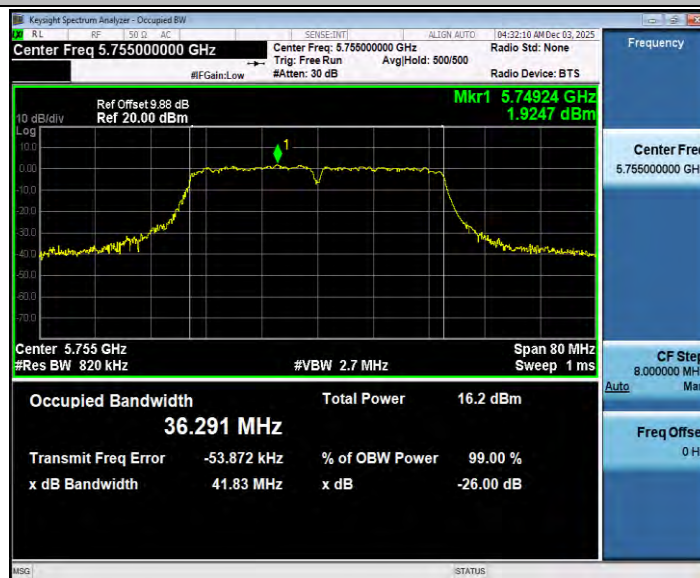
11AC20SISO_Ant1_5785



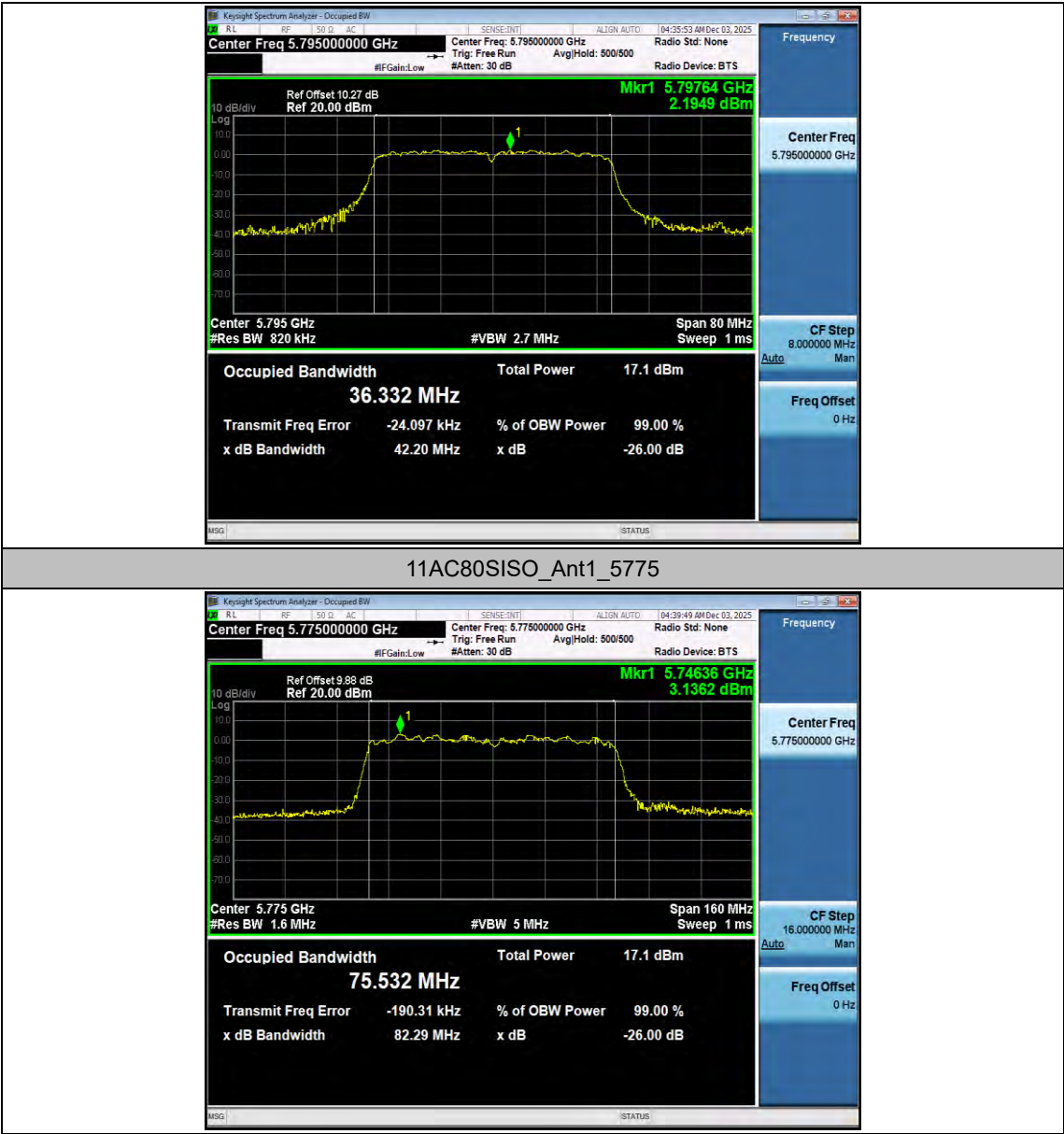
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795

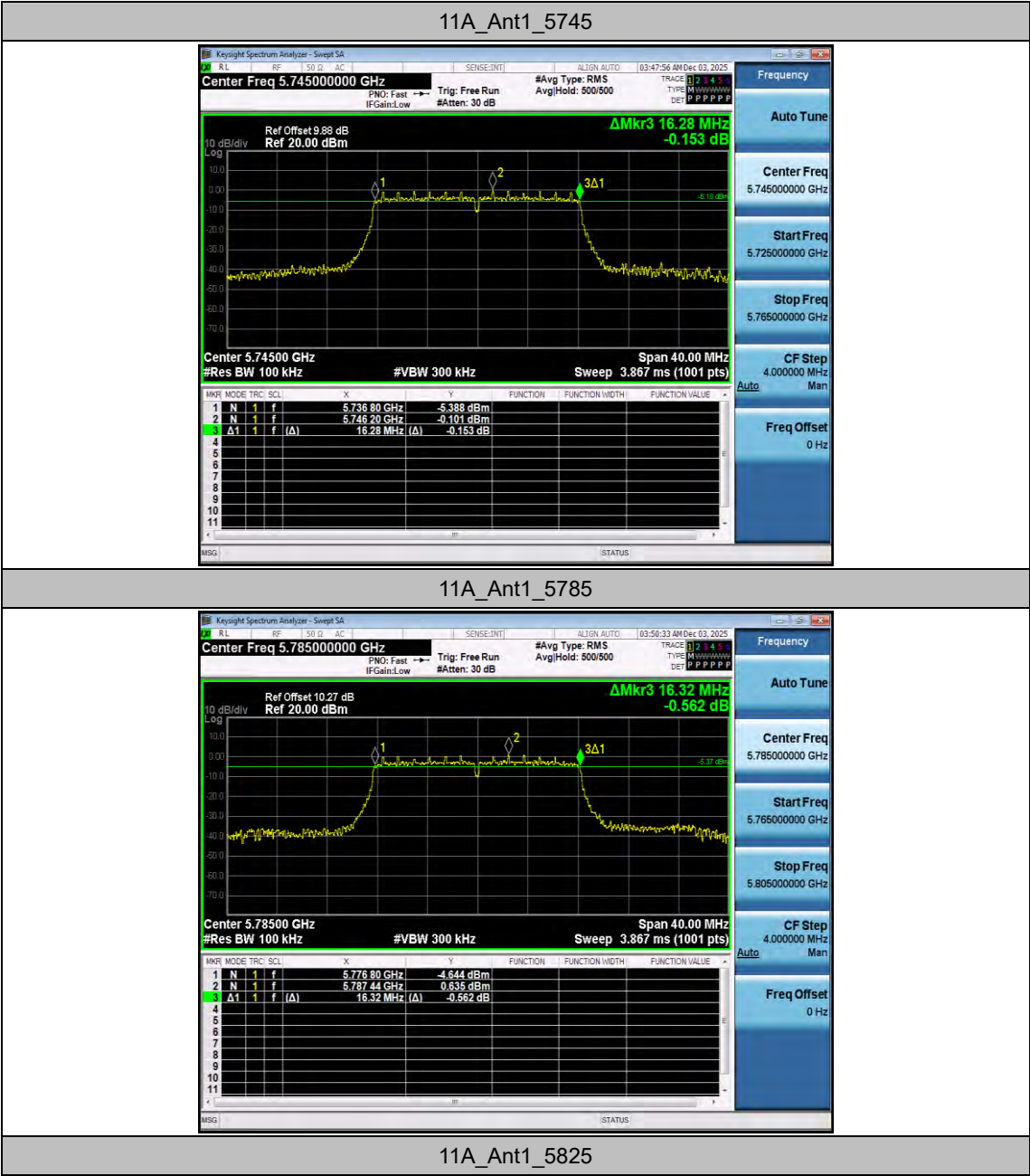


Appendix E.2: Min emission bandwidth

Test Result B4

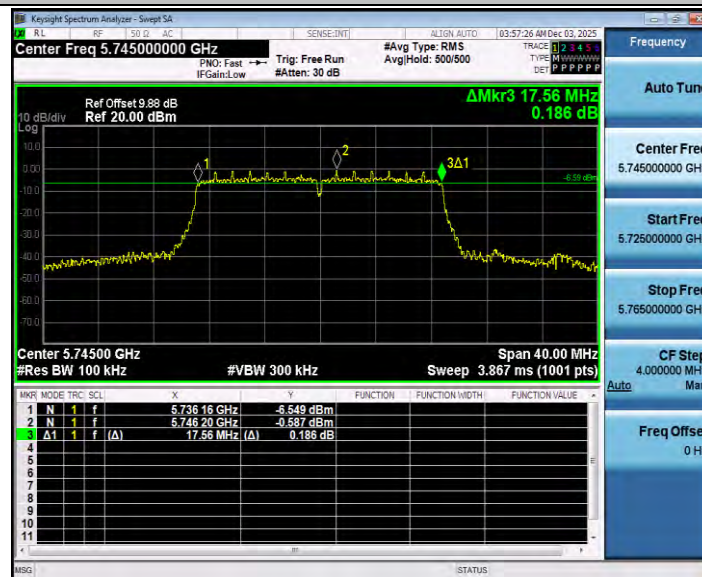
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.280	5736.800	5753.080	0.5	PASS
		5785	16.320	5776.800	5793.120	0.5	PASS
		5825	16.280	5816.800	5833.080	0.5	PASS
11N20SISO	Ant1	5745	17.560	5736.160	5753.720	0.5	PASS
		5785	17.560	5776.160	5793.720	0.5	PASS
		5825	17.560	5816.160	5833.720	0.5	PASS
11N40SISO	Ant1	5755	35.120	5737.400	5772.520	0.5	PASS
		5795	35.440	5777.400	5812.840	0.5	PASS
11AC20SISO	Ant1	5745	17.440	5736.160	5753.600	0.5	PASS
		5785	17.600	5776.120	5793.720	0.5	PASS
		5825	17.640	5816.120	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	35.360	5737.160	5772.520	0.5	PASS
		5795	35.680	5777.400	5813.080	0.5	PASS
11AC80SISO	Ant1	5775	75.040	5737.400	5812.440	0.5	PASS

Test Graphs B4

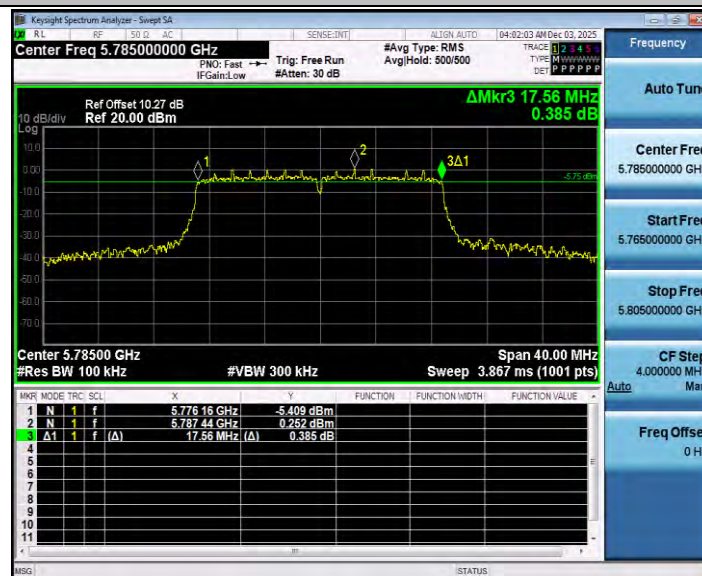




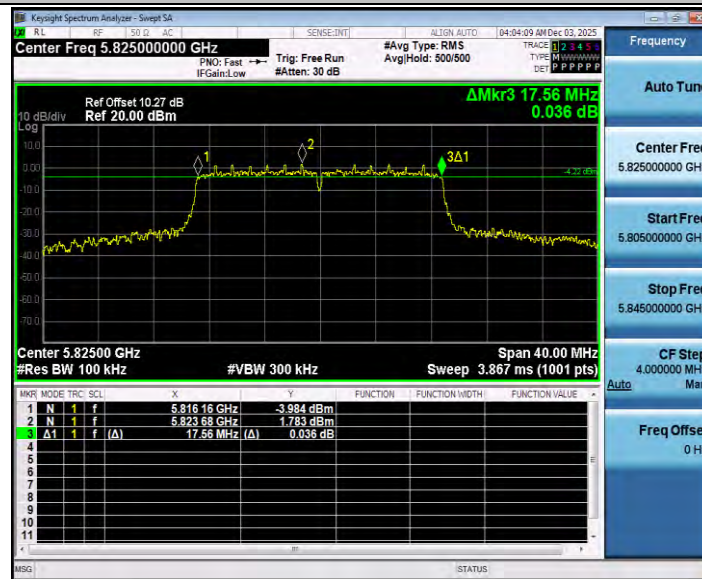
11N20SISO_Ant1_5745



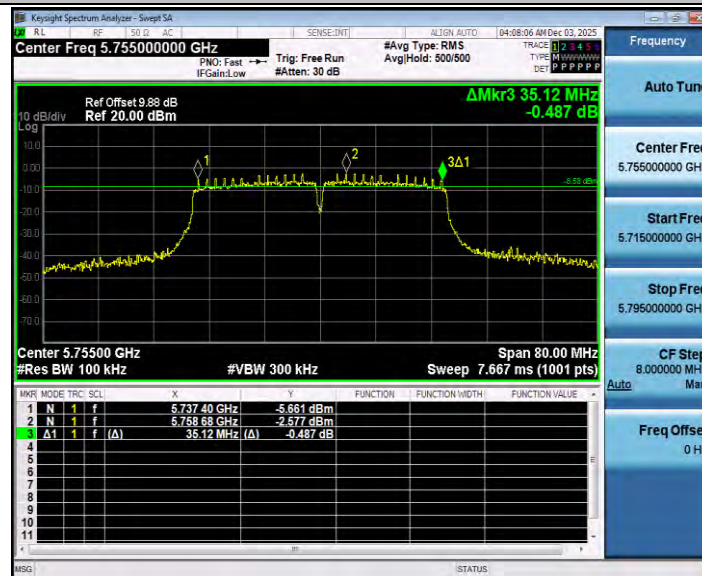
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



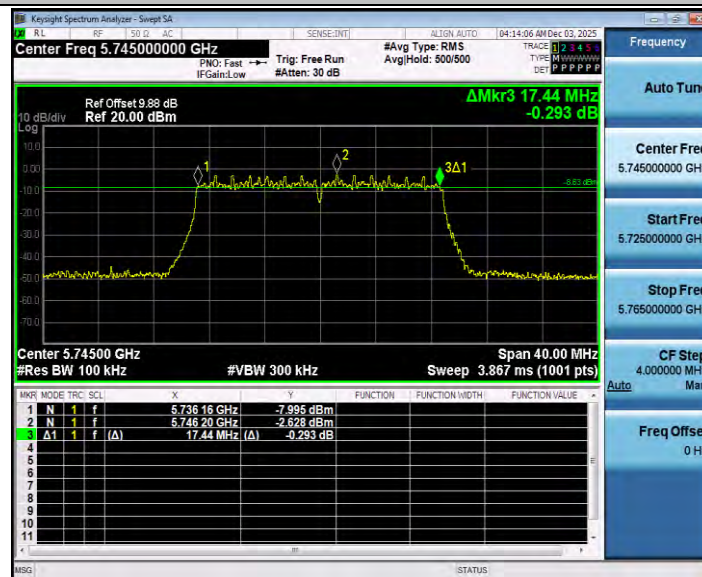
11N40SISO_Ant1_5755



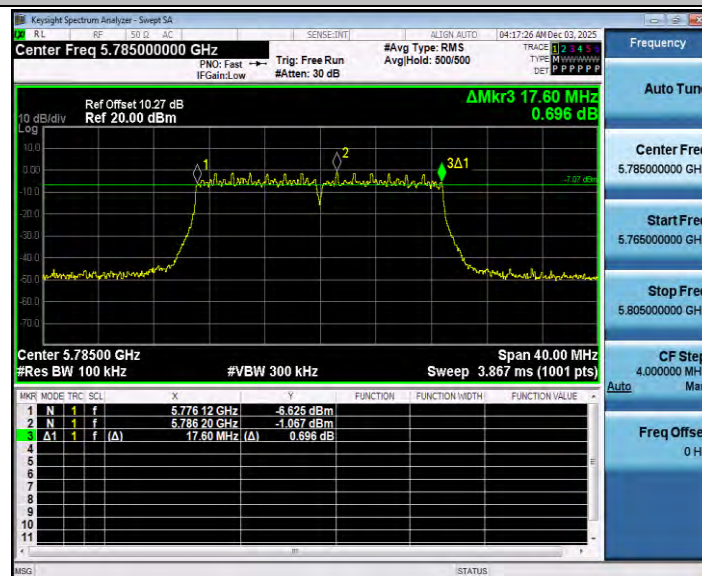
11N40SISO_Ant1_5795



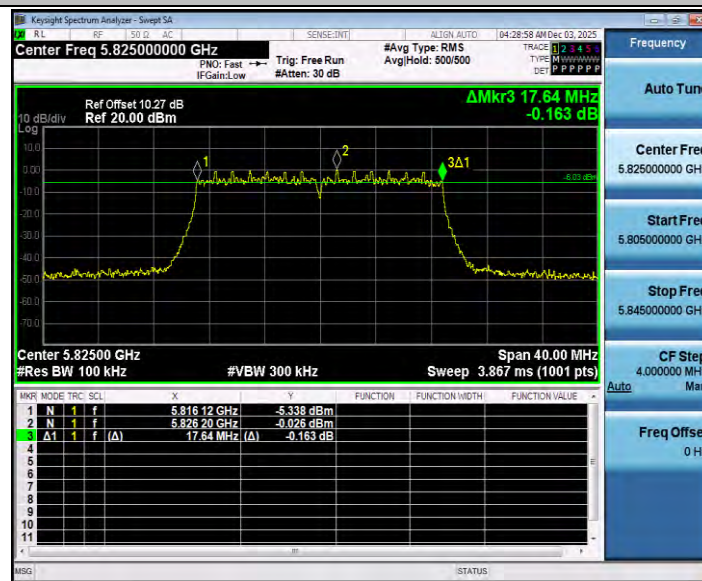
11AC20SISO_Ant1_5745



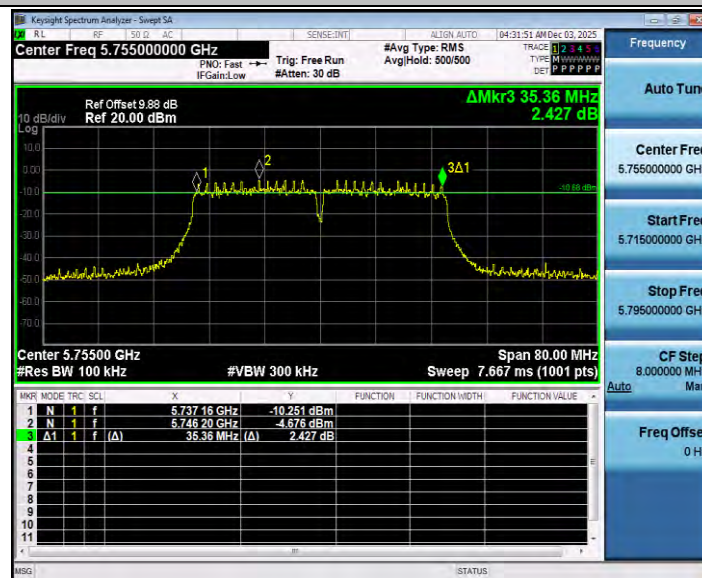
11AC20SISO_Ant1_5785



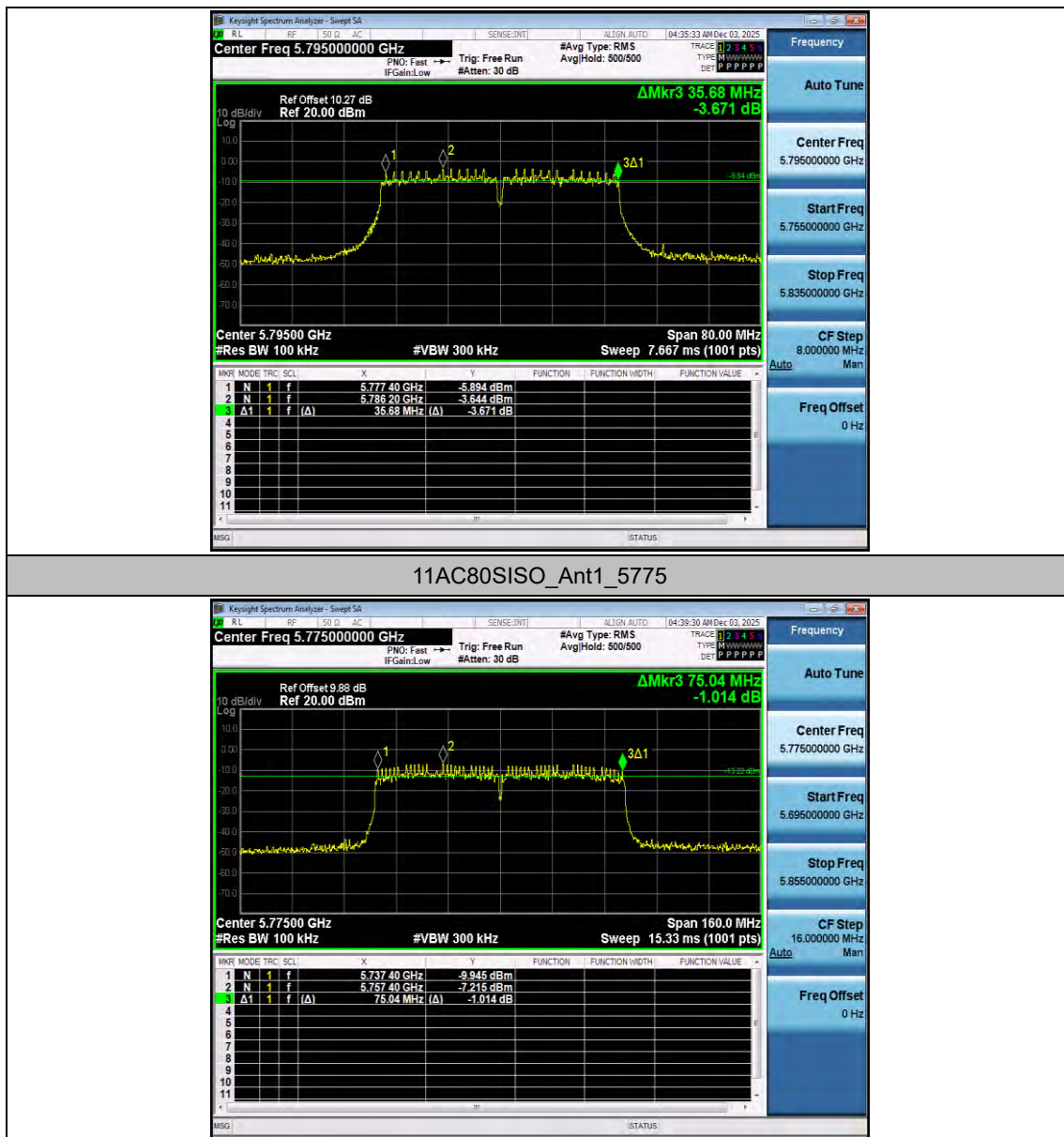
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795

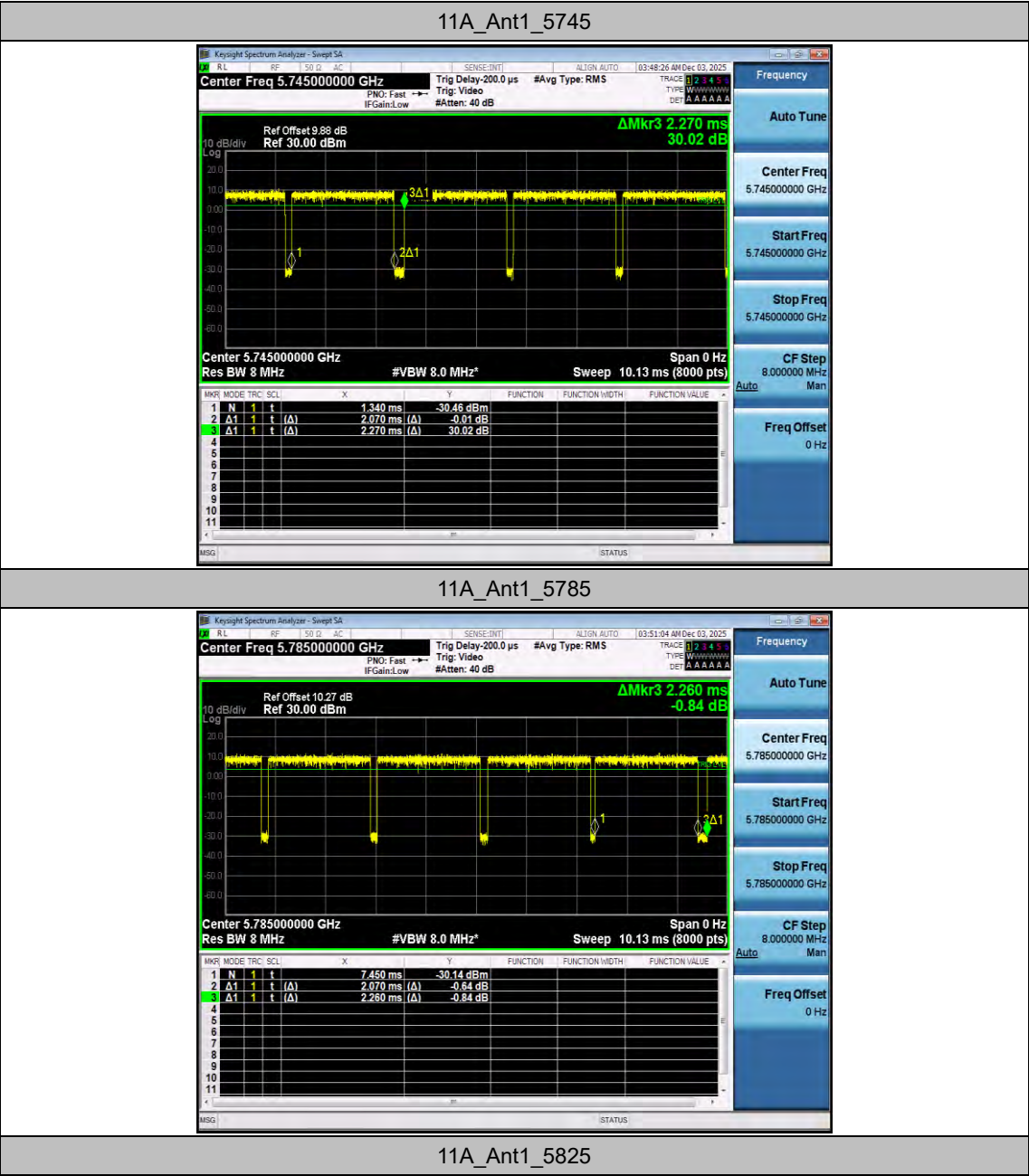


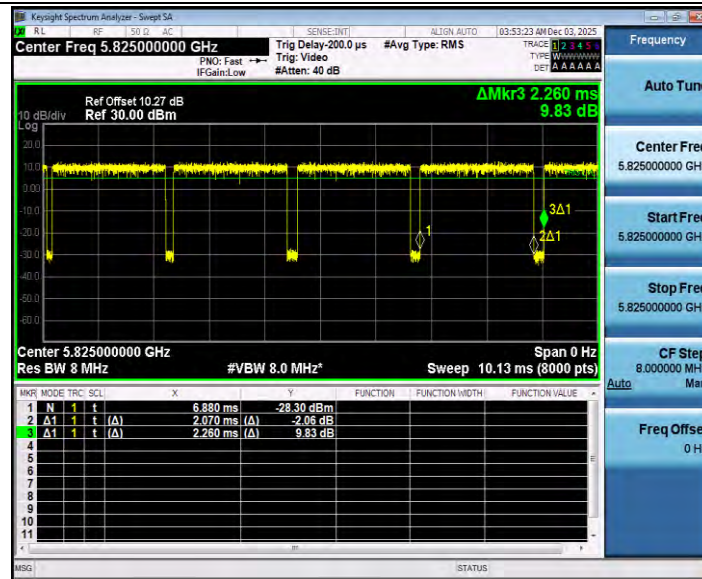
Appendix E.3: Duty Cycle

Test Result

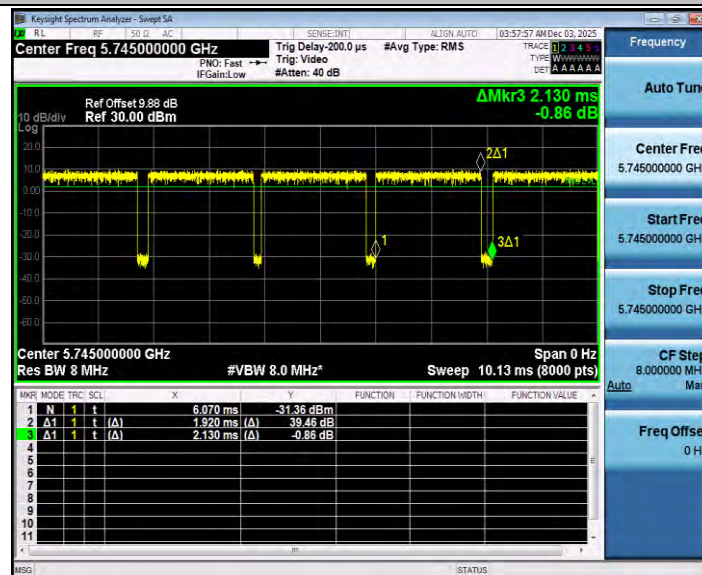
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	2.07	2.27	91.19	0.40	0.48
		5785	2.07	2.26	91.59	0.38	0.48
		5825	2.07	2.26	91.59	0.38	0.48
11N20SISO	Ant1	5745	1.92	2.13	90.14	0.45	0.52
		5785	1.92	2.15	89.30	0.49	0.52
		5825	1.92	2.08	92.31	0.35	0.52
11N40SISO	Ant1	5755	0.94	1.17	80.34	0.95	1.06
		5795	0.95	1.18	80.51	0.94	1.05
11AC20SISO	Ant1	5745	0.20	0.45	44.44	3.52	5.00
		5785	0.20	0.45	44.44	3.52	5.00
		5825	0.20	0.45	44.44	3.52	5.00
11AC40SISO	Ant1	5755	0.12	0.37	32.43	4.89	8.33
		5795	0.11	0.37	29.73	5.27	9.09
11AC80SISO	Ant1	5775	0.07	0.32	21.88	6.60	14.29

Test Graphs

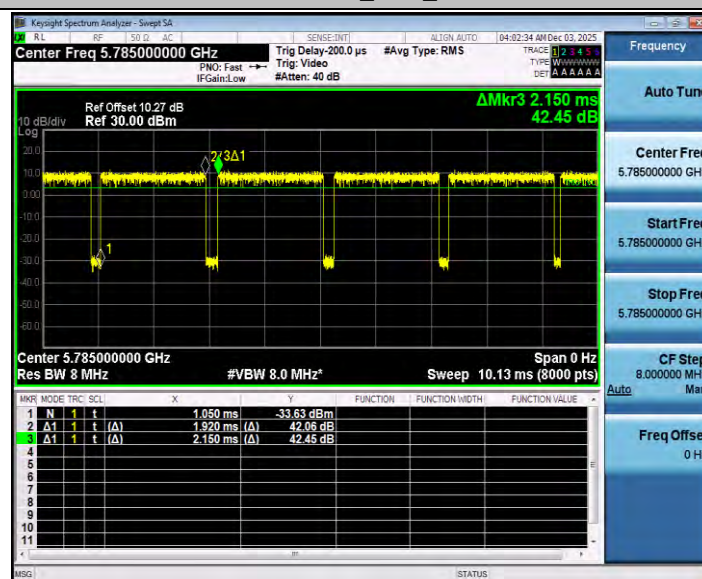


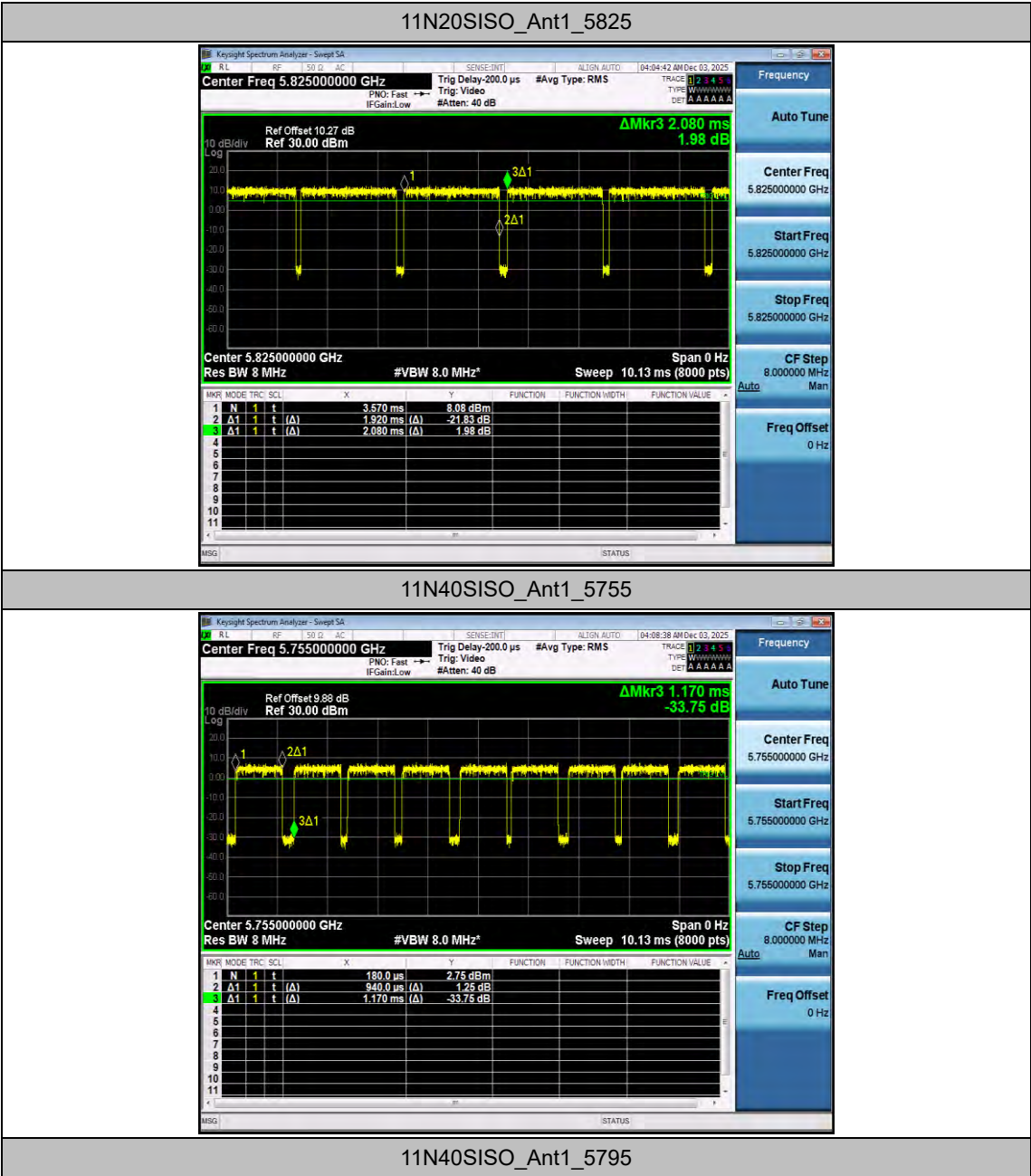


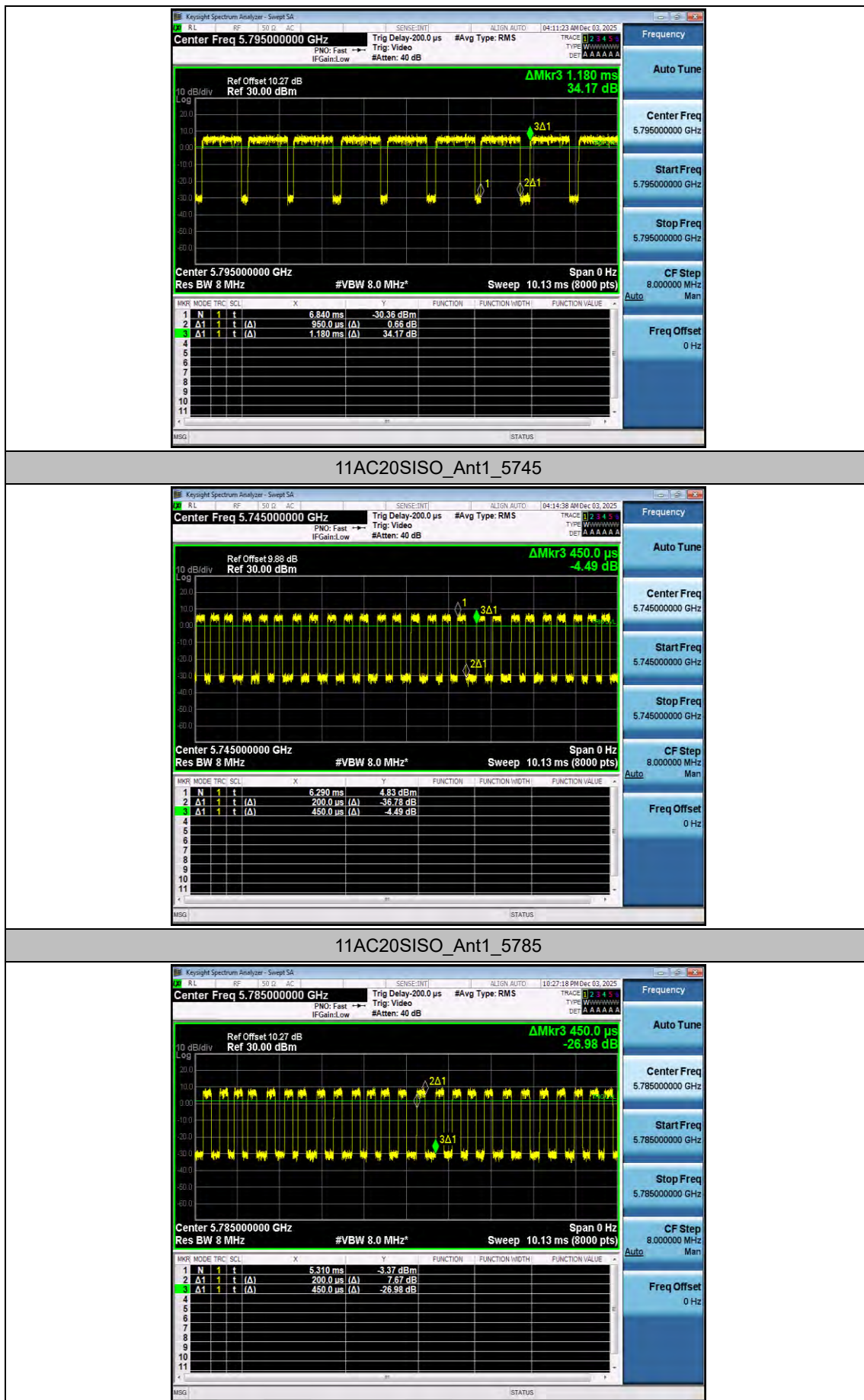
11N20SISO_Ant1_5745

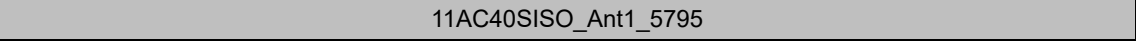
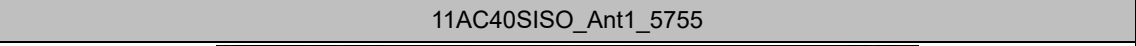


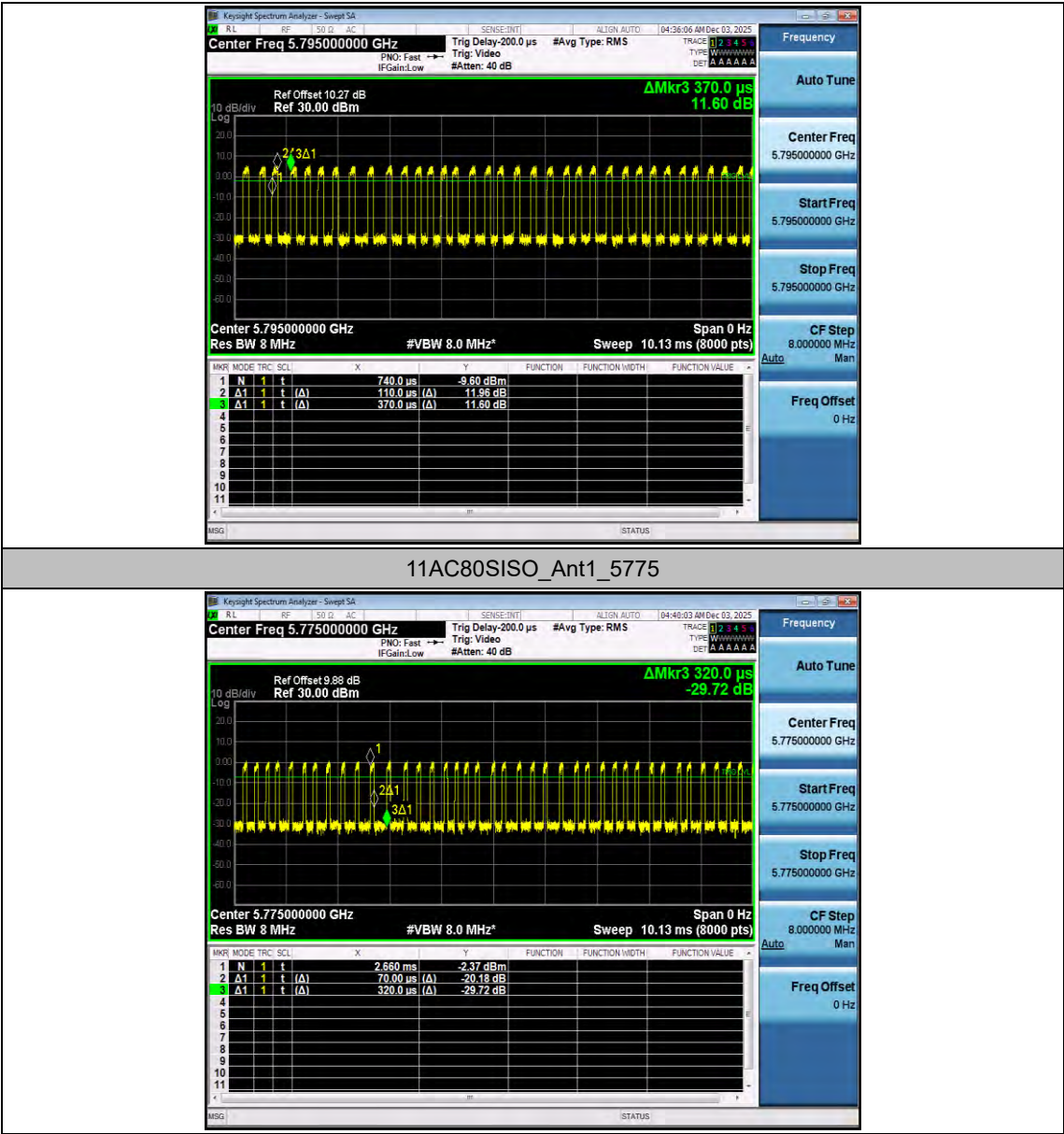
11N20SISO_Ant1_5785











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	10.40	91.19	0.40	10.80	≤30.00	PASS
		5785	11.61	91.59	0.38	11.99	≤30.00	PASS
		5825	12.88	91.59	0.38	13.26	≤30.00	PASS
11N20SISO	Ant1	5745	10.29	90.14	0.45	10.74	≤30.00	PASS
		5785	11.45	89.30	0.49	11.94	≤30.00	PASS
		5825	12.81	92.31	0.35	13.16	≤30.00	PASS
11N40SISO	Ant1	5755	10.03	80.34	0.95	10.98	≤30.00	PASS
		5795	11.12	80.51	0.94	12.06	≤30.00	PASS
11AC20SISO	Ant1	5745	5.78	44.44	3.52	9.30	≤30.00	PASS
		5785	7.06	44.44	3.52	10.58	≤30.00	PASS
		5825	8.20	44.44	3.52	11.72	≤30.00	PASS
11AC40SISO	Ant1	5755	4.79	32.43	4.89	9.68	≤30.00	PASS
		5795	5.76	29.73	5.27	11.03	≤30.00	PASS
11AC80SISO	Ant1	5775	3.93	21.88	6.60	10.53	≤30.00	PASS

Appendix E.5: Maximum power spectral density

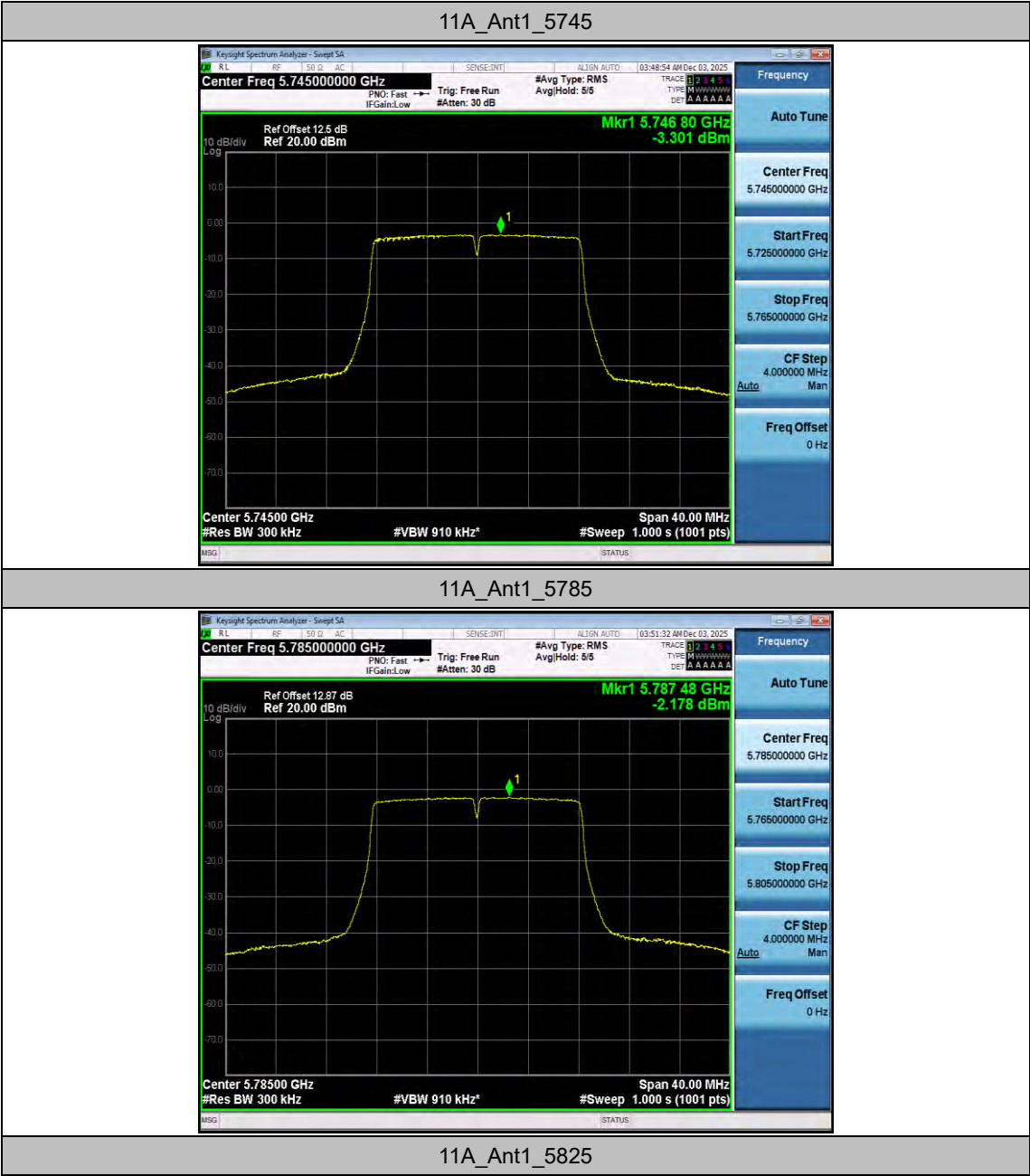
Test Result

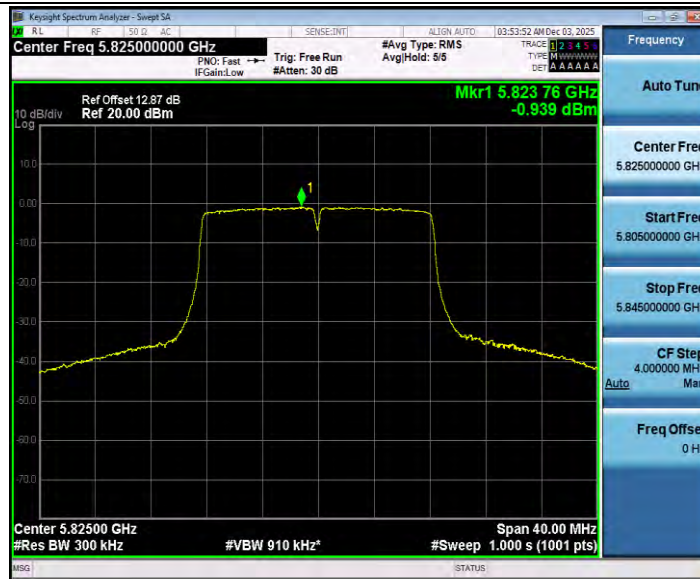
TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-3.30	≤30.00	PASS
		5785	-2.18	≤30.00	PASS
		5825	-0.94	≤30.00	PASS
11N20SISO	Ant1	5745	-3.77	≤30.00	PASS
		5785	-2.33	≤30.00	PASS
		5825	-1.18	≤30.00	PASS
11N40SISO	Ant1	5755	-5.68	≤30.00	PASS
		5795	-4.78	≤30.00	PASS
11AC20SISO	Ant1	5745	-4.37	≤30.00	PASS
		5785	-2.93	≤30.00	PASS
		5825	-2.13	≤30.00	PASS
11AC40SISO	Ant1	5755	-5.96	≤30.00	PASS
		5795	-4.43	≤30.00	PASS
11AC80SISO	Ant1	5775	-7.59	≤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





11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



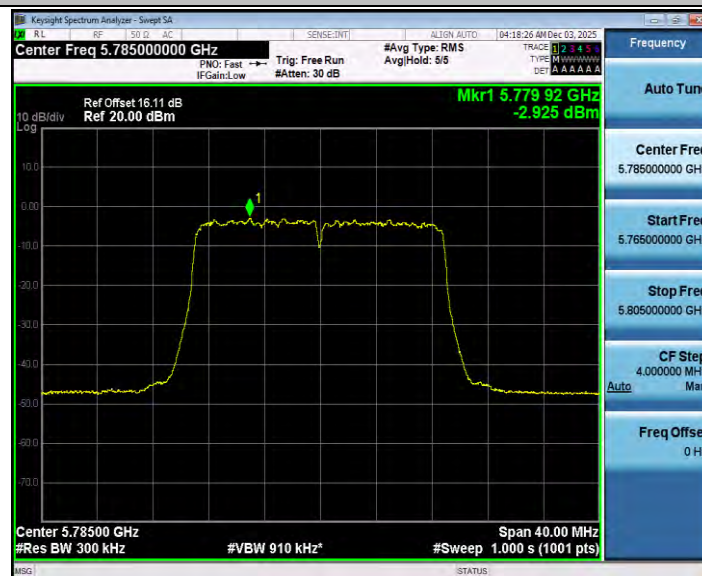
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



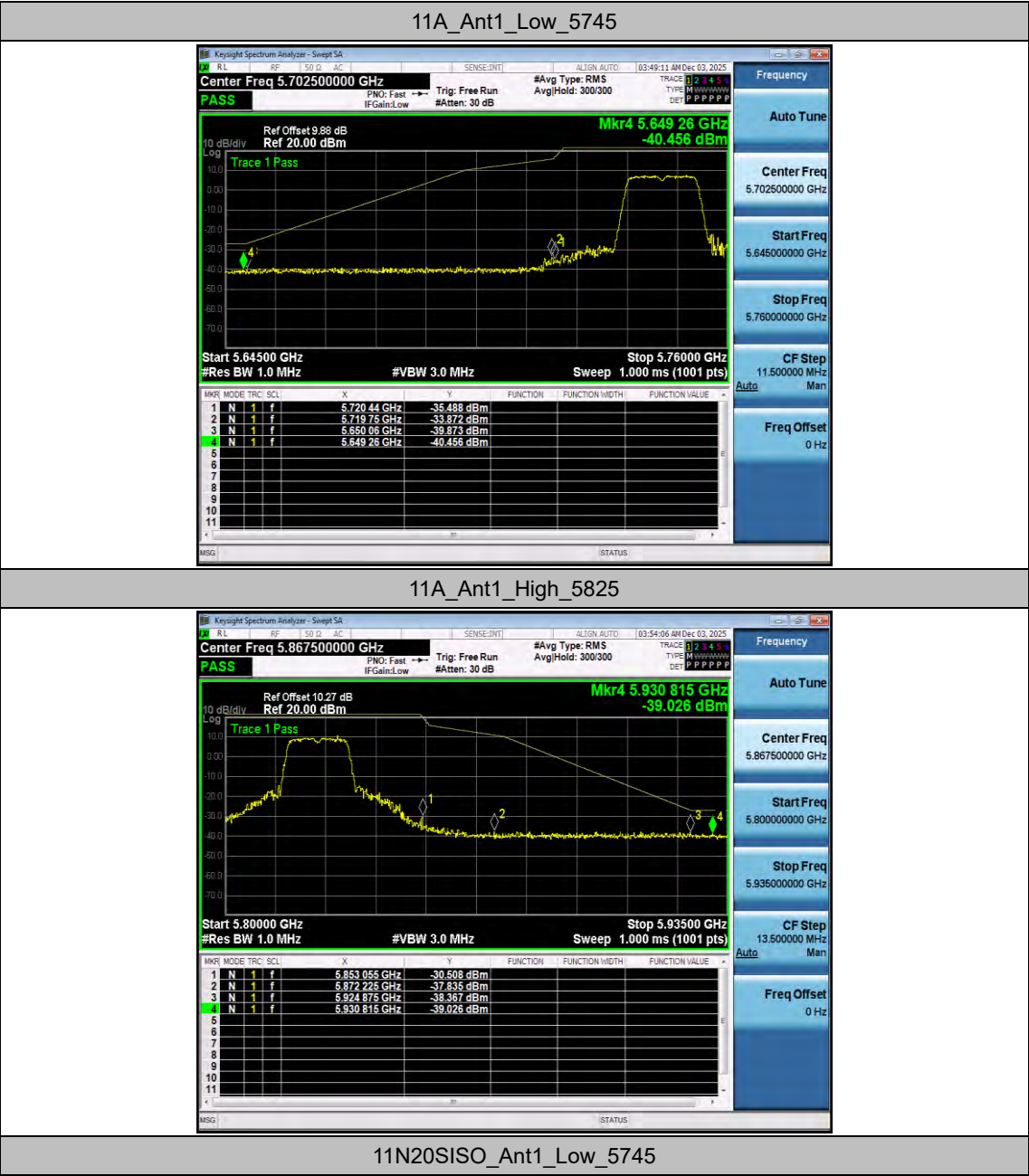
Appendix E.6:Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-39.87	≤-26.96	PASS
				5700~5720	-33.87	≤15.53	PASS
				5720~5725	-35.49	≤16.60	PASS
				5760~5650	-40.46	≤-27	PASS
		High	5825	5850~5855	-30.51	≤20.03	PASS
				5855~5875	-37.84	≤10.78	PASS
				5875~5925	-38.37	≤-26.91	PASS
				5925~5935	-39.03	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-40.64	≤-26.62	PASS
				5700~5720	-38.51	≤10.47	PASS
				5720~5725	-32.03	≤17.39	PASS
				5760~5650	-39.25	≤-27	PASS
		High	5825	5850~5855	-31.61	≤16.34	PASS
				5855~5875	-31.19	≤15.09	PASS
				5875~5925	-39.22	≤-26.71	PASS
				5925~5935	-37.96	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-39.11	≤-25.61	PASS
				5700~5720	-32.62	≤13.20	PASS
				5720~5725	-30.99	≤16.35	PASS
				5780~5650	-39.53	≤-27	PASS
		High	5795	5850~5855	-38.17	≤15.66	PASS
				5855~5875	-37.59	≤10.39	PASS
				5875~5925	-38.89	≤-26.34	PASS
				5925~5935	-38.22	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-39.47	≤-26.96	PASS
				5700~5720	-39.73	≤10.12	PASS
				5720~5725	-39.32	≤16.34	PASS
				5760~5650	-39.09	≤-27	PASS
		High	5825	5850~5855	-39.57	≤16.34	PASS
				5855~5875	-37.69	≤10.63	PASS
				5875~5925	-39.02	≤-26.31	PASS
				5925~5935	-38.19	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-40.09	≤-25.80	PASS
				5700~5720	-38.28	≤10.55	PASS
				5720~5725	-38.24	≤15.74	PASS
				5780~5650	-39.26	≤-27	PASS

		High	5795	5850~5855	-39.94	≤ 15.66	PASS
				5855~5875	-38.53	≤ 10.48	PASS
				5875~5925	-39.12	≤ -26.83	PASS
				5925~5935	-38.33	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-40.38	≤ -26.57	PASS
				5700~5720	-39.1	≤ 10.35	PASS
				5720~5725	-38.96	≤ 16.00	PASS
				5800~5650	-39.58	≤ -27	PASS
		High	5775	5850~5855	-38.57	≤ 16.68	PASS
				5855~5875	-38.78	≤ 10.45	PASS
				5875~5925	-38.14	≤ -26.73	PASS
				5925~5935	-39.47	≤ -27	PASS

Test GraphsB4





11N20SISO_Ant1_High_5825



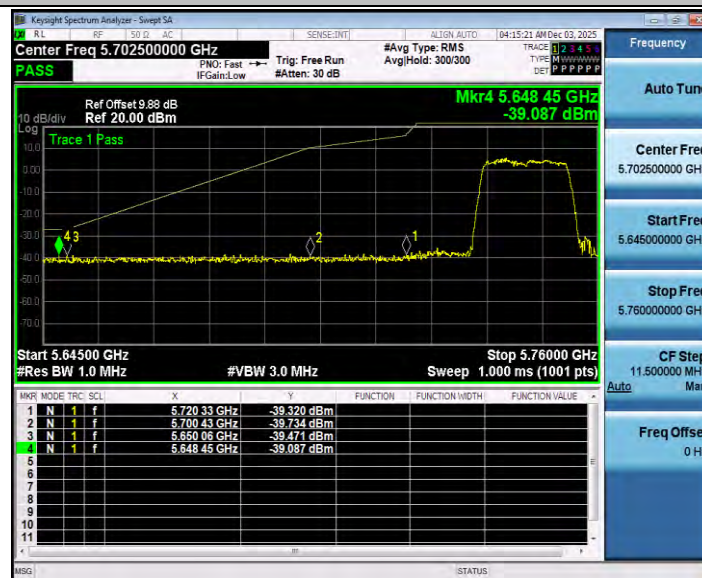
11N40SISO_Ant1_Low_5755



11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



11AC20SISO_Ant1_High_5825



11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775



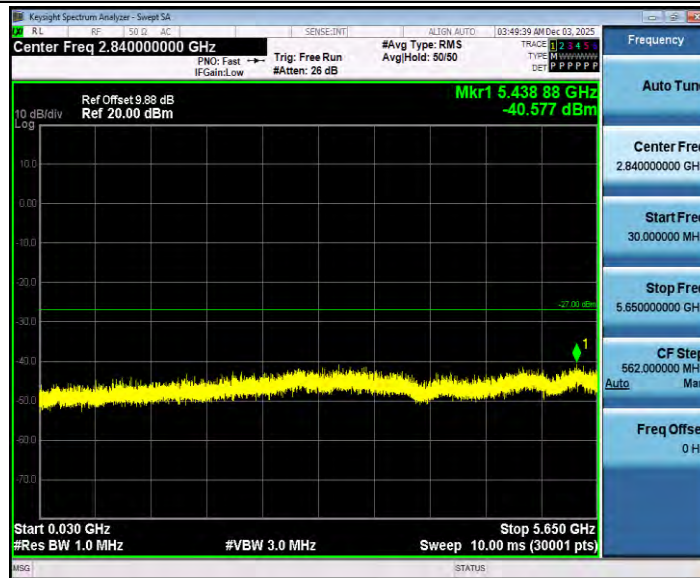
Appendix E.7:Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5438.88	-40.58	≤-27	PASS
			5925~27000	26904.46	-31.86	≤-27	PASS
		5785	30~5650	2680.58	-40.05	≤-27	PASS
			5925~27000	26652.97	-31.55	≤-27	PASS
		5825	30~5650	2630.75	-39.88	≤-27	PASS
			5925~27000	26038.28	-31.21	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5430.45	-40.63	≤-27	PASS
			5925~27000	24776.59	-31.69	≤-27	PASS
		5785	30~5650	5387.92	-39.65	≤-27	PASS
			5925~27000	26796.98	-31.76	≤-27	PASS
		5825	30~5650	5410.96	-40.46	≤-27	PASS
			5925~27000	24213.89	-30.99	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5526.92	-39.71	≤-27	PASS
			5925~27000	24277.81	-31.62	≤-27	PASS
		5795	30~5650	5457.42	-39.66	≤-27	PASS
			5925~27000	24227.23	-31.75	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	2639.74	-40.58	≤-27	PASS
			5925~27000	26924.13	-31.21	≤-27	PASS
		5785	30~5650	2647.61	-40.15	≤-27	PASS
			5925~27000	24250.42	-31.76	≤-27	PASS
		5825	30~5650	3307.21	-40.71	≤-27	PASS
			5925~27000	26492.09	-31.56	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5458.55	-40.95	≤-27	PASS
			5925~27000	24262.36	-31.44	≤-27	PASS
		5795	30~5650	4774.22	-40.12	≤-27	PASS
			5925~27000	26028.44	-31.34	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	2676.83	-40.44	≤-27	PASS
			5925~27000	24140.12	-30.92	≤-27	PASS

Test Graphs

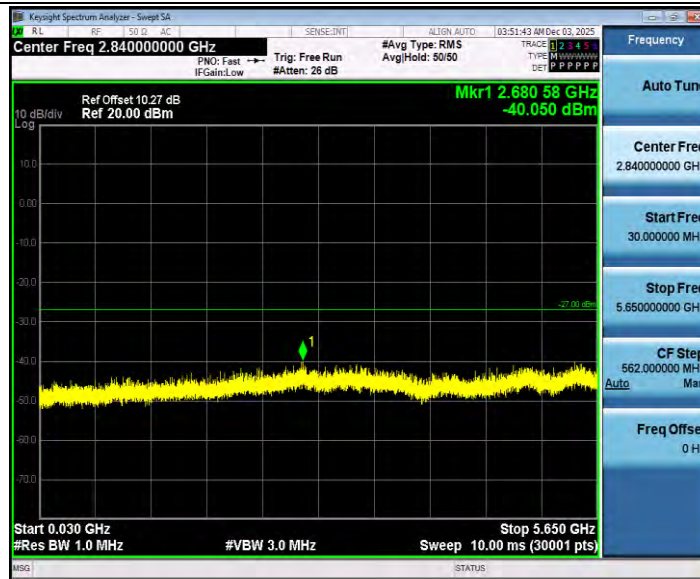
11A_Ant1_5745_30~5650



11A_Ant1_5745_5925~27000



11A_Ant1_5785_30~5650



11A_Ant1_5785_5925~27000



11A_Ant1_5825_30~5650



11A_Ant1_5825_5925~27000



11N20SISO_Ant1_5745_30~5650



11N20SISO_Ant1_5745_5925~27000



11N20SISO_Ant1_5785_30~5650



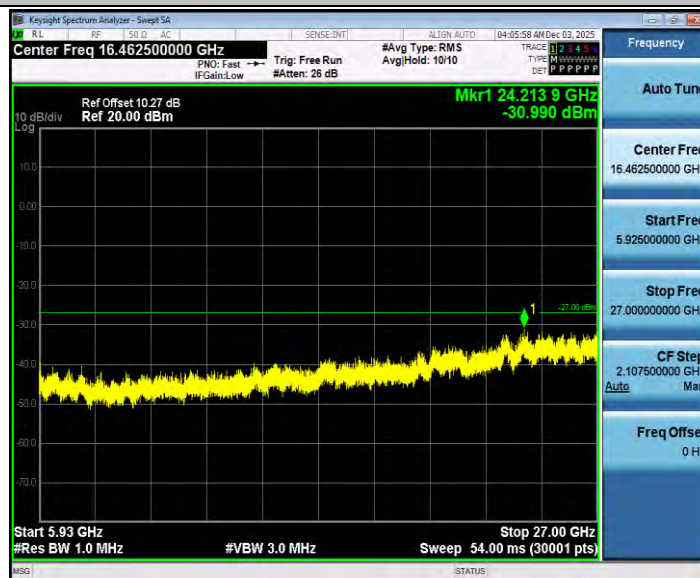
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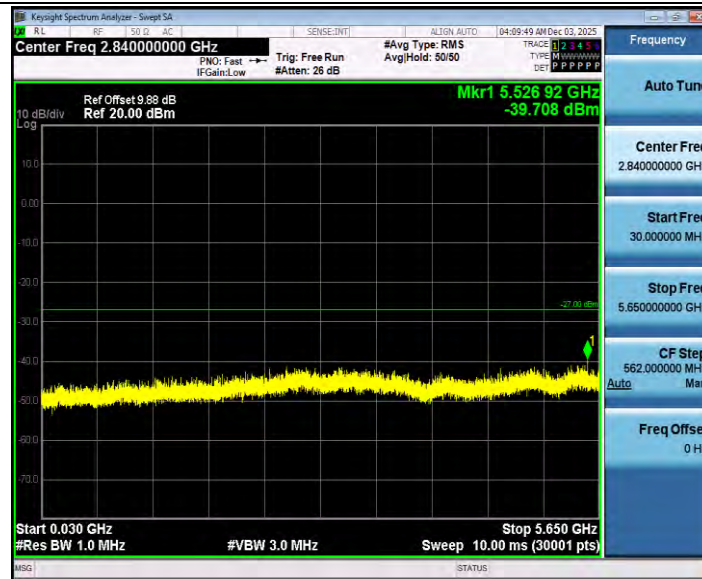
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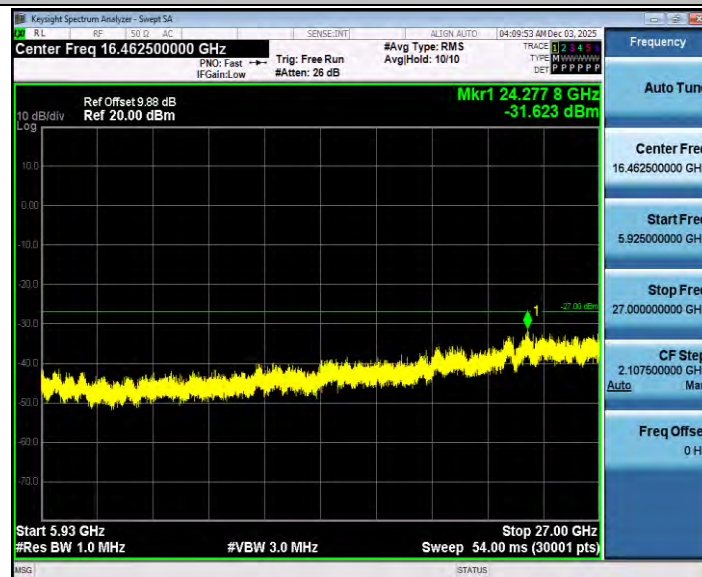
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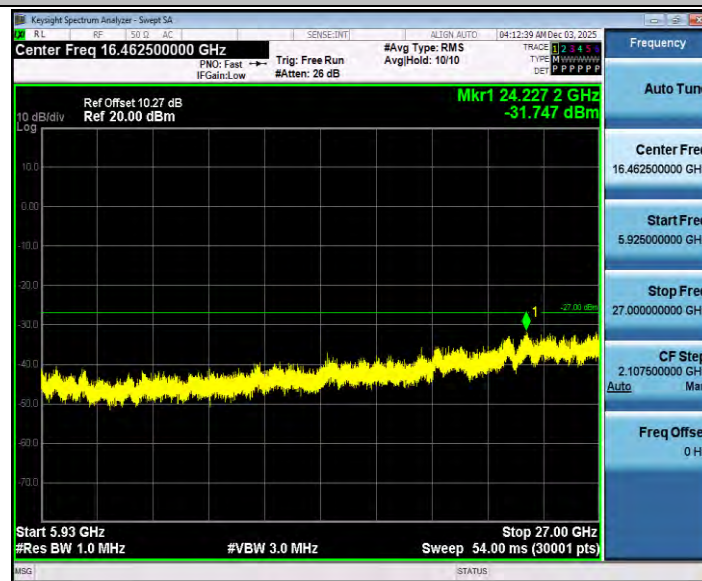
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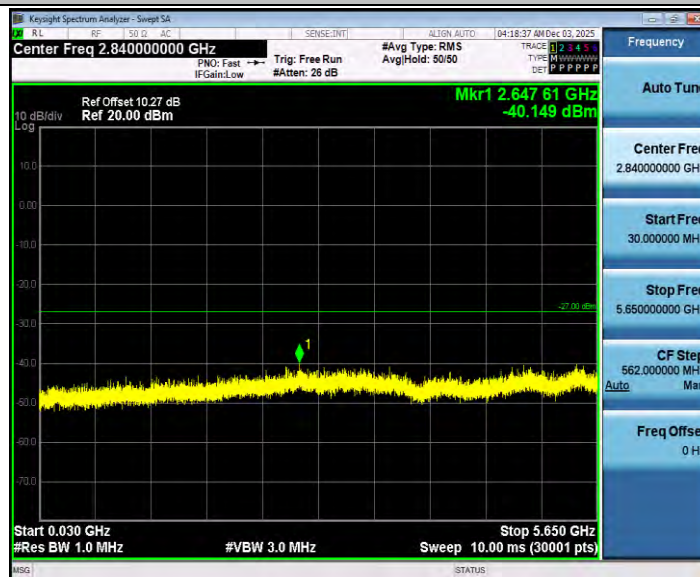
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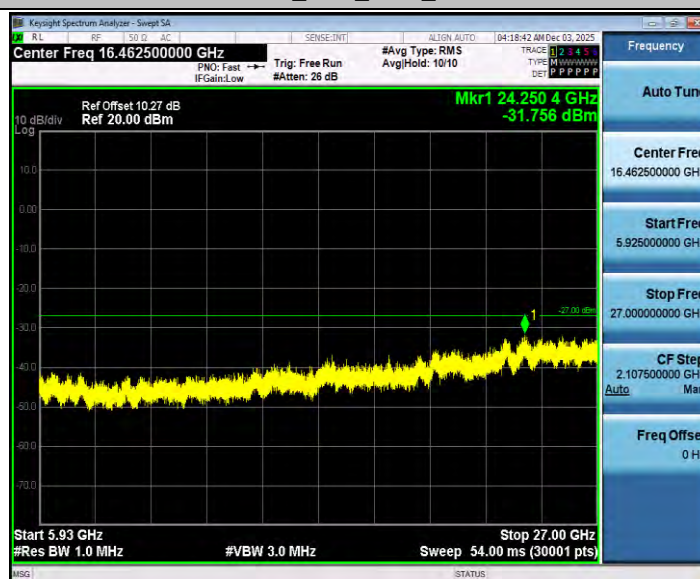
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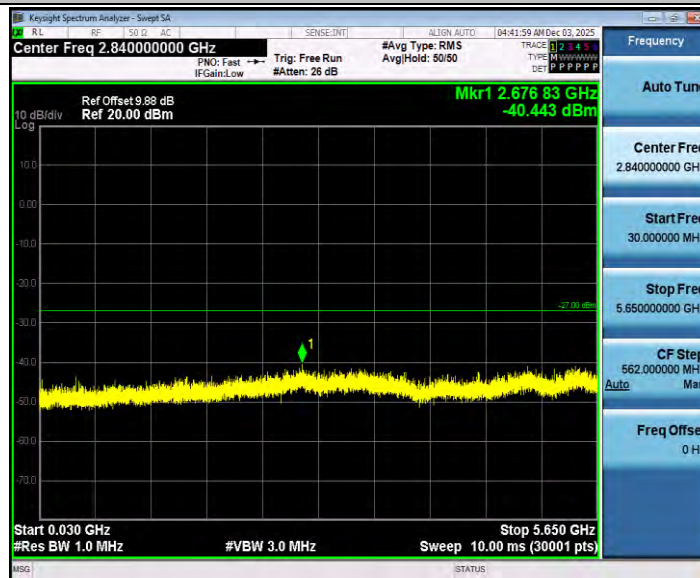
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11AC80SISO_Ant1_5775_5925~27000

