

Case No. : <u>GTS20250904021-1-04</u>
Ambient Condition: <u>23</u> °C, <u>57</u> %RH
According Standard: <u>■Part15E</u>
Test Date: <u>2025.9.9-2025.9.17</u> Test Engineer: <u>Evan ouyang</u>

AppendixE.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5745	18.086	5736.0329	5754.1189	---	---
		5785	17.534	5776.1716	5793.7056	---	---
		5825	17.212	5816.2458	5833.4578	---	---
11N20SISO	Ant2	5745	18.779	5735.6905	5754.4695	---	---
		5785	18.300	5775.8496	5794.1496	---	---
		5825	18.050	5815.9093	5833.9593	---	---
11N40SISO	Ant2	5755	37.327	5736.4450	5773.7720	---	---
		5795	36.865	5776.6240	5813.4890	---	---
11AC20SISO	Ant2	5745	18.753	5735.7207	5754.4737	---	---
		5785	18.178	5775.9073	5794.0853	---	---
		5825	18.053	5815.9182	5833.9712	---	---
11AC40SISO	Ant2	5755	37.318	5736.4366	5773.7546	---	---
		5795	36.986	5776.5896	5813.5756	---	---
11AC80SISO	Ant2	5775	76.276	5736.9989	5813.2749	---	---

Test Graphs

11A_Ant2_5745



11A_Ant2_5785



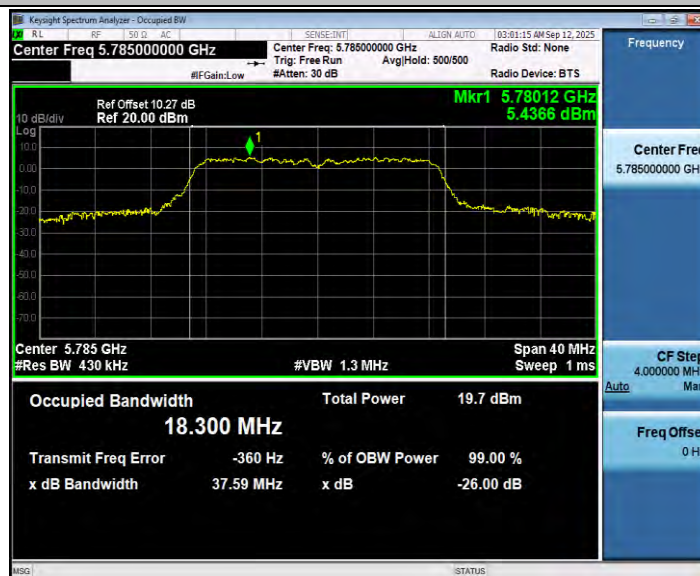
11A_Ant2_5825



11N20SISO_Ant2_5745



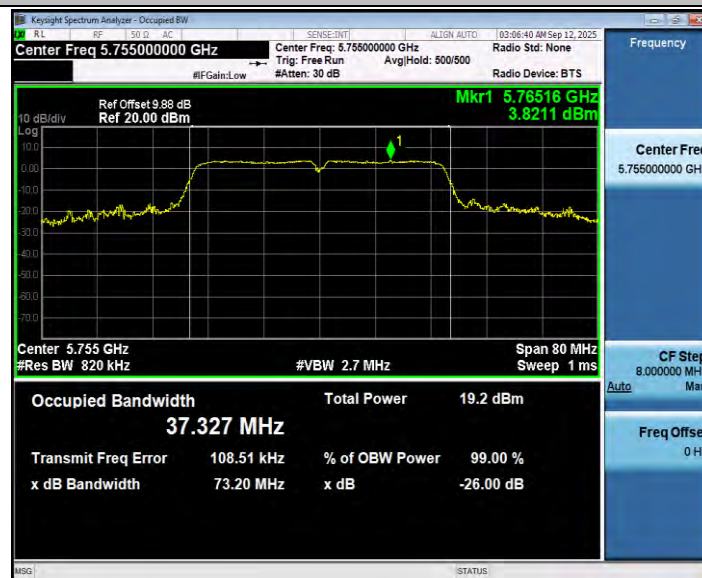
11N20SISO_Ant2_5785



11N20SISO_Ant2_5825



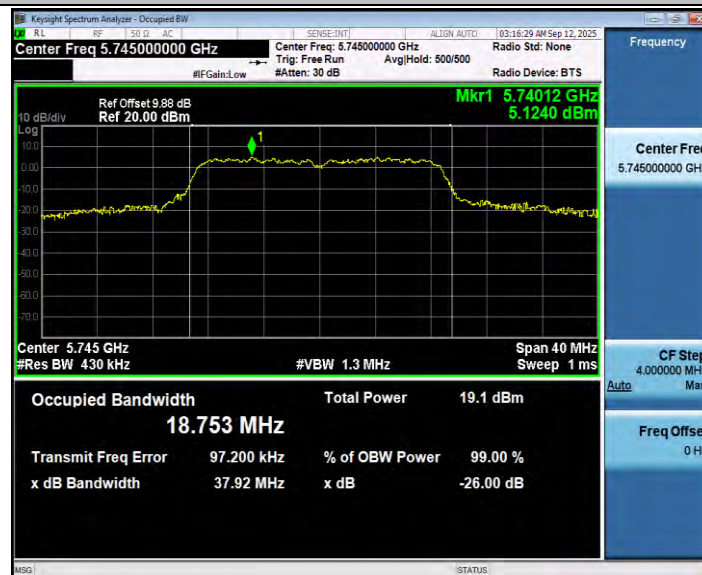
11N40SISO_Ant2_5755



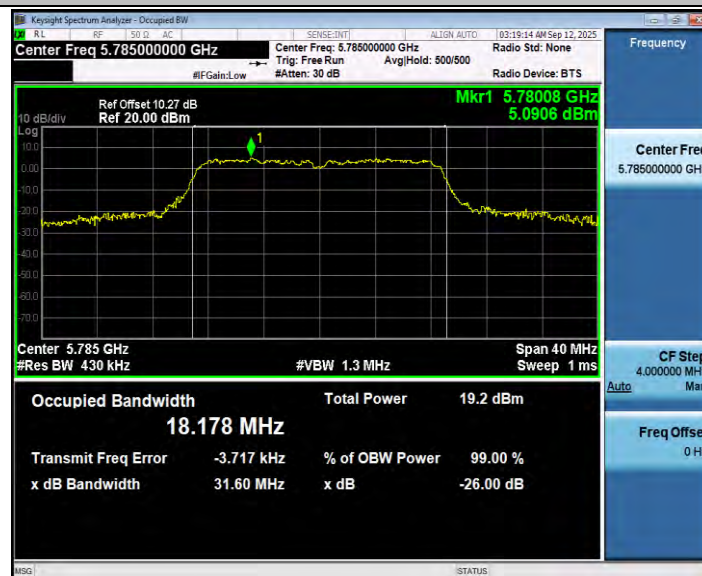
11N40SISO_Ant2_5795



11AC20SISO_Ant2_5745



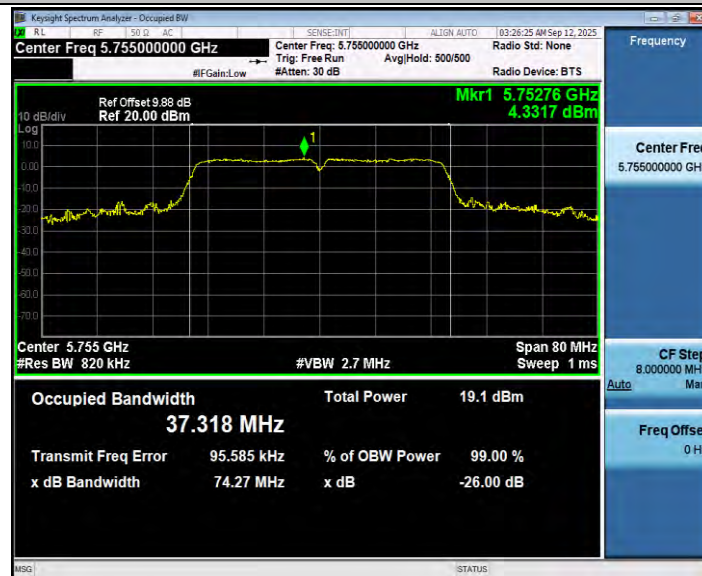
11AC20SISO_Ant2_5785



11AC20SISO_Ant2_5825



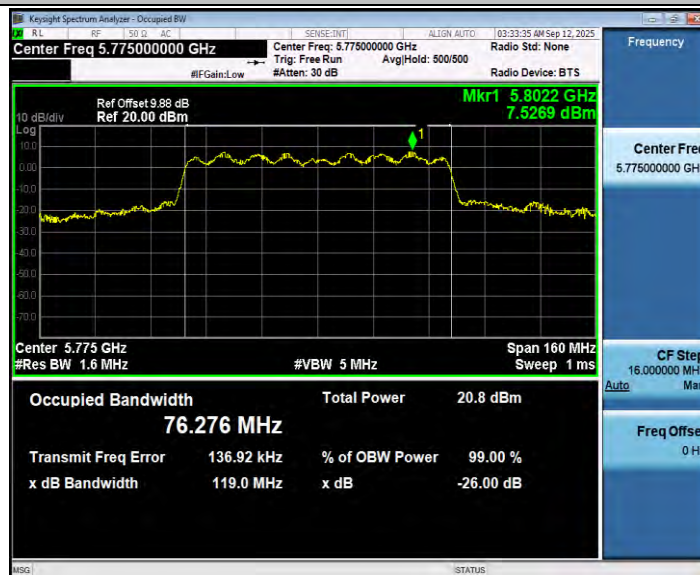
11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5775

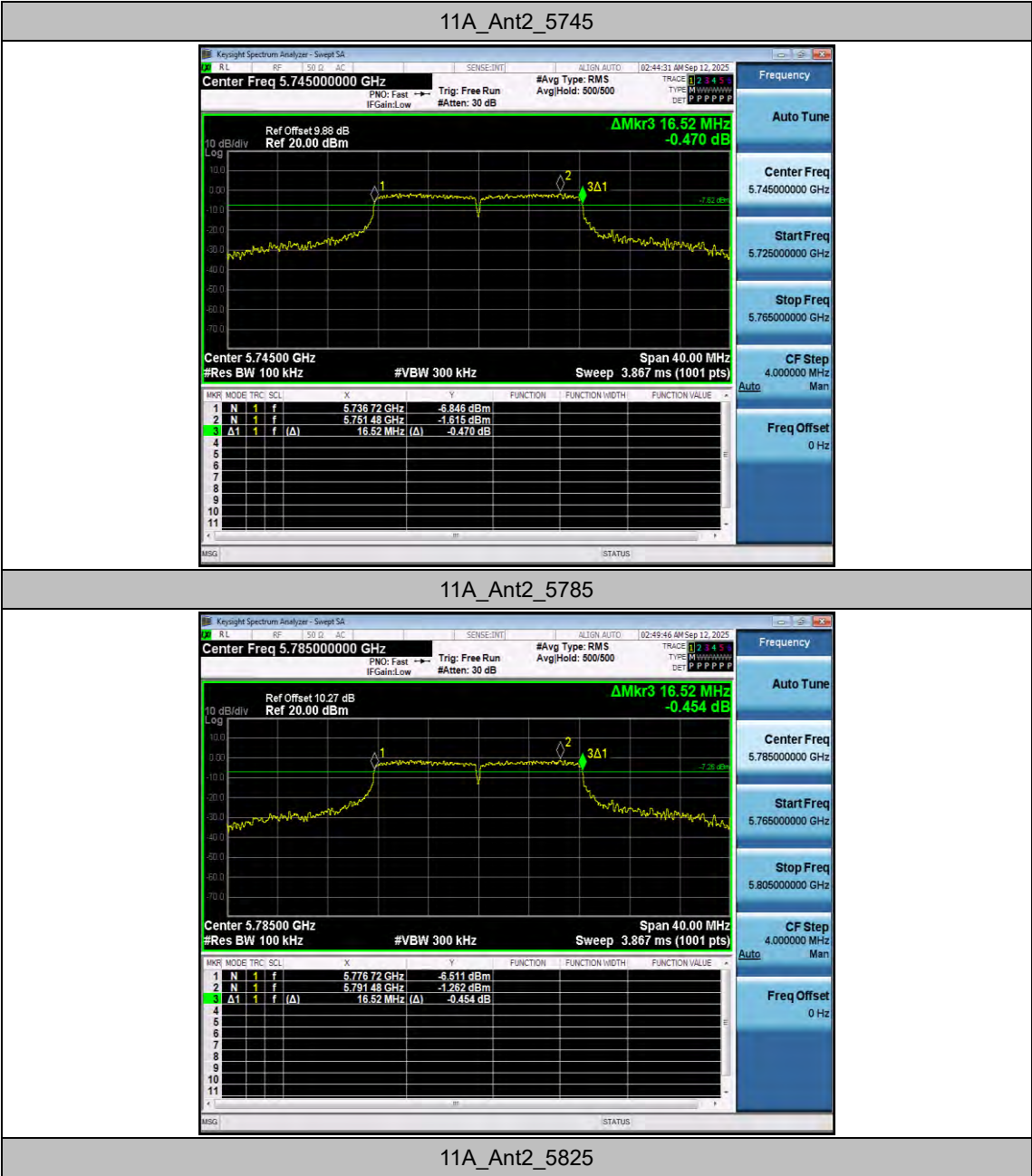


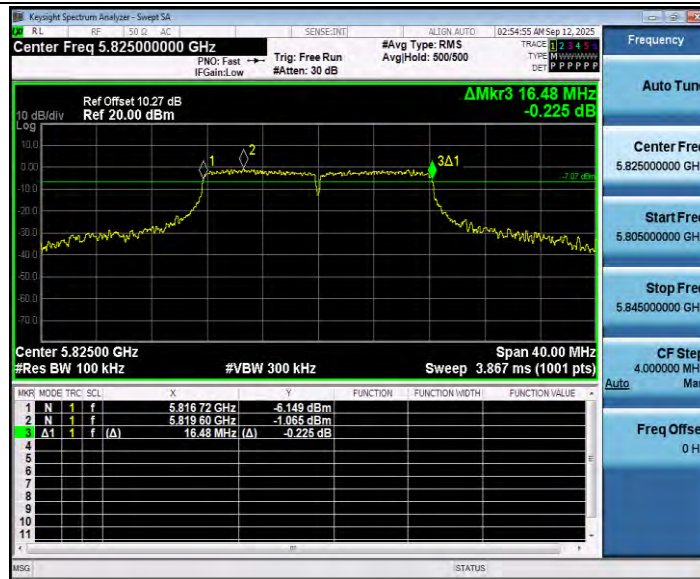
AppendixE.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5745	16.520	5736.720	5753.240	0.5	PASS
		5785	16.520	5776.720	5793.240	0.5	PASS
		5825	16.480	5816.720	5833.200	0.5	PASS
11N20SISO	Ant2	5745	17.640	5736.160	5753.800	0.5	PASS
		5785	17.640	5776.160	5793.800	0.5	PASS
		5825	17.600	5816.160	5833.760	0.5	PASS
11N40SISO	Ant2	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS
11AC20SISO	Ant2	5745	17.640	5736.160	5753.800	0.5	PASS
		5785	17.640	5776.160	5793.800	0.5	PASS
		5825	17.600	5816.160	5833.760	0.5	PASS
11AC40SISO	Ant2	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS
11AC80SISO	Ant2	5775	75.840	5737.080	5812.920	0.5	PASS

Test Graphs B4





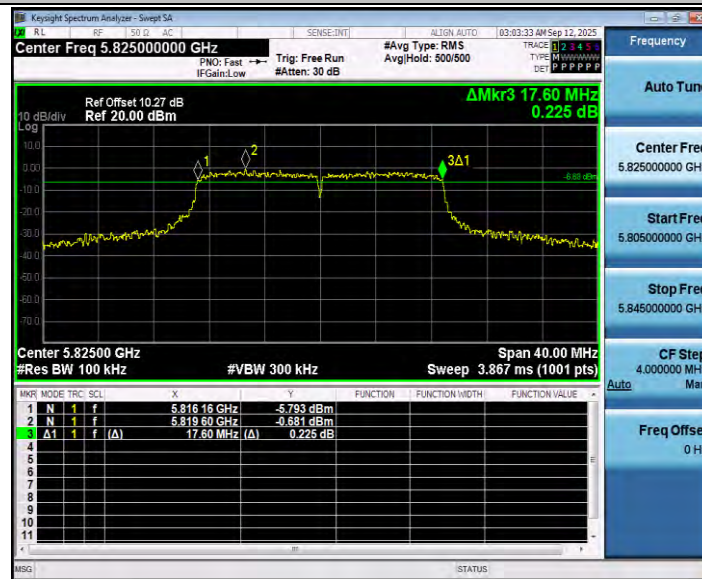
11N20SISO_Ant2_5745



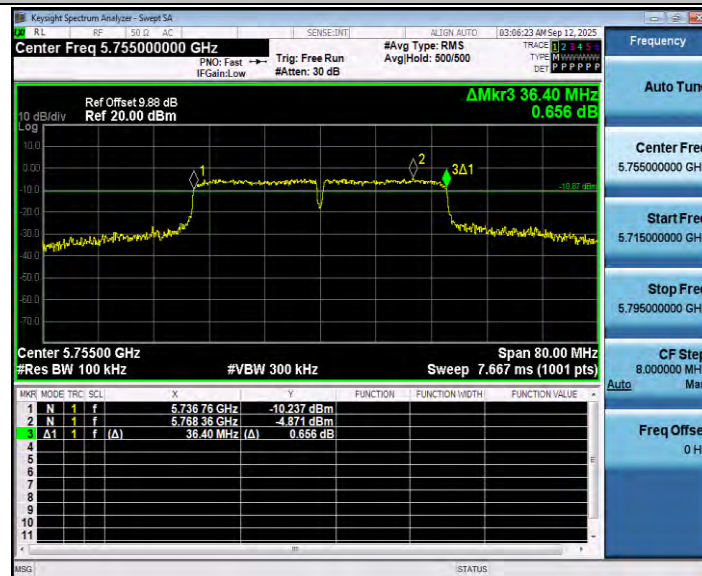
11N20SISO_Ant2_5785



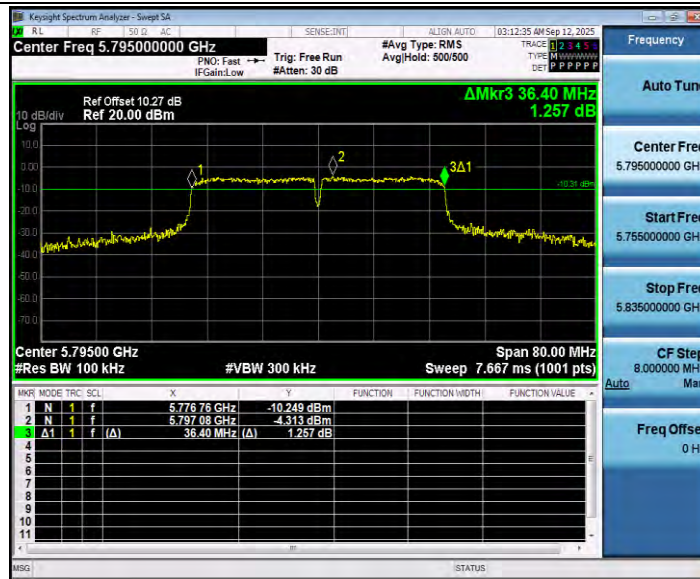
11N20SISO_Ant2_5825



11N40SISO_Ant2_5755



11N40SISO_Ant2_5795



11AC20SISO_Ant2_5745



11AC20SISO_Ant2_5785



11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795

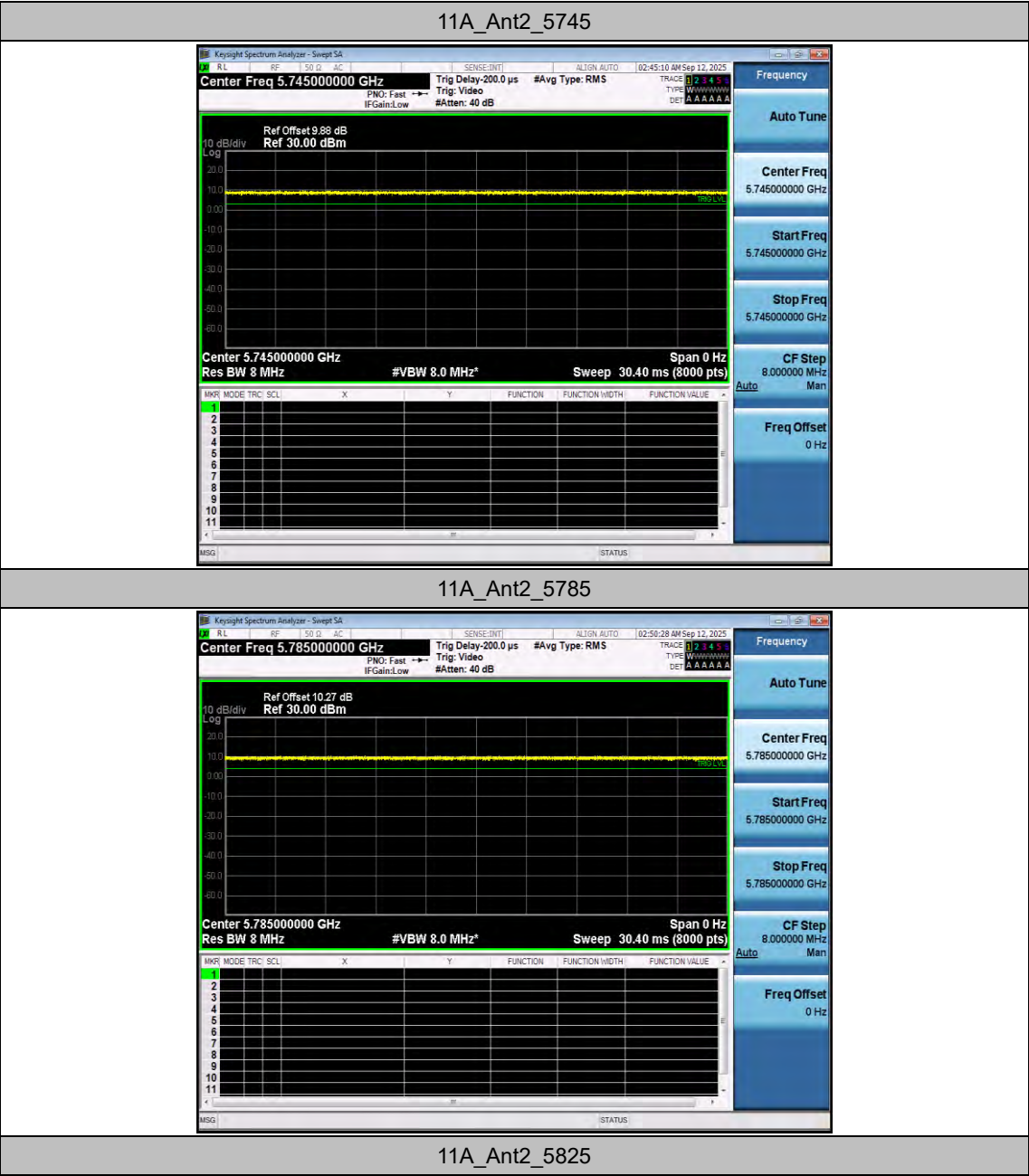


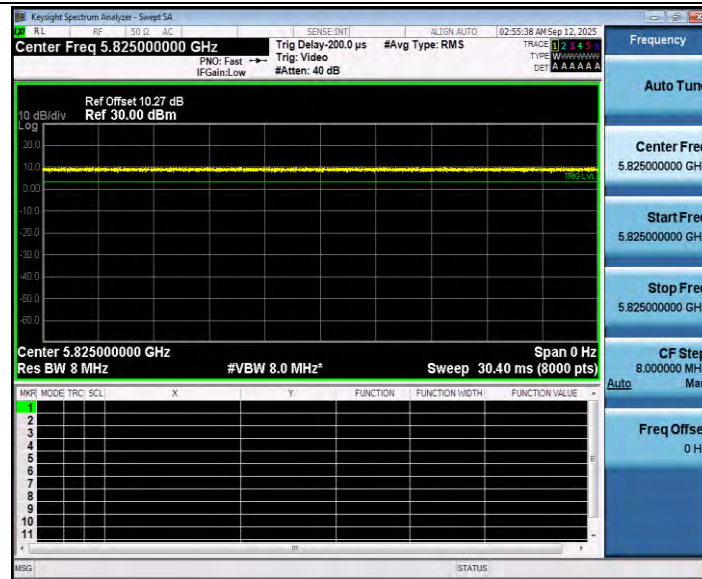
Appendix E.3: Duty Cycle

Test Result

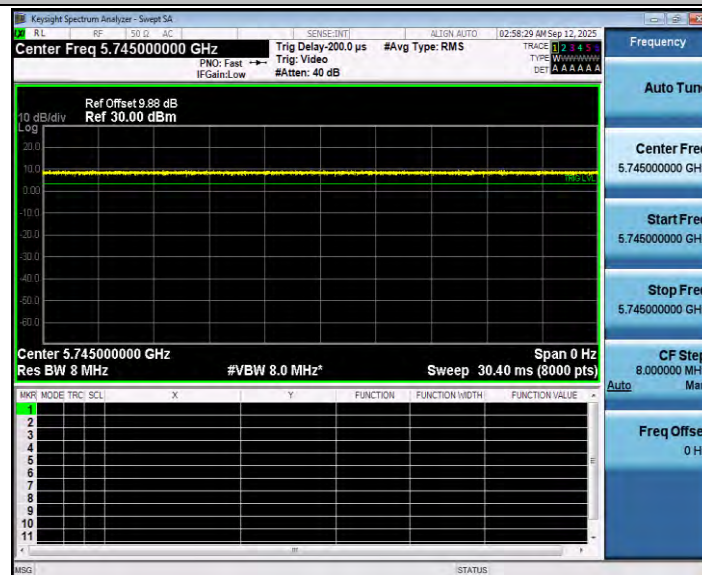
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant2	5745	30.00	30.00	100.00	0.00	0.03
		5785	30.00	30.00	100.00	0.00	0.03
		5825	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant2	5745	30.00	30.00	100.00	0.00	0.03
		5785	30.00	30.00	100.00	0.00	0.03
		5825	30.00	30.00	100.00	0.00	0.03
11N40SISO	Ant2	5755	30.00	30.00	100.00	0.00	0.03
		5795	30.00	30.00	100.00	0.00	0.03
11AC20SISO	Ant2	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	Ant2	5755	30.00	30.00	100.00	0.00	0.03
		5795	30.00	30.00	100.00	0.00	0.03
11AC80SISO	Ant2	5775	30.00	30.00	100.00	0.00	0.03

Test Graphs

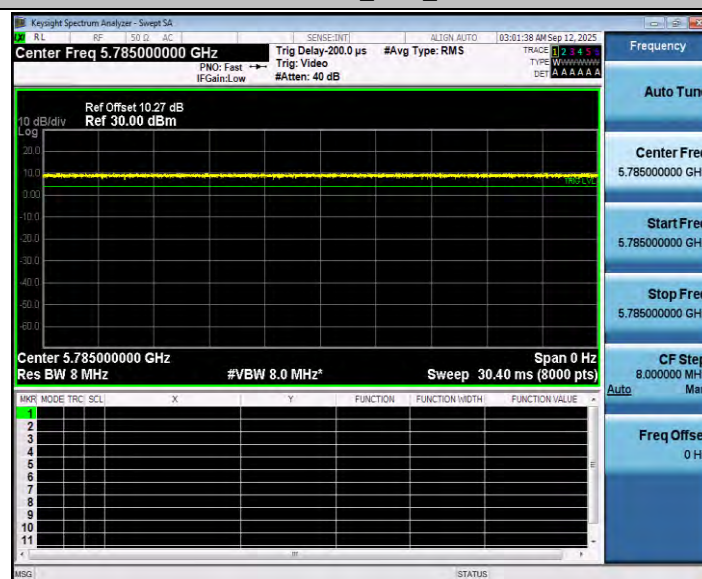




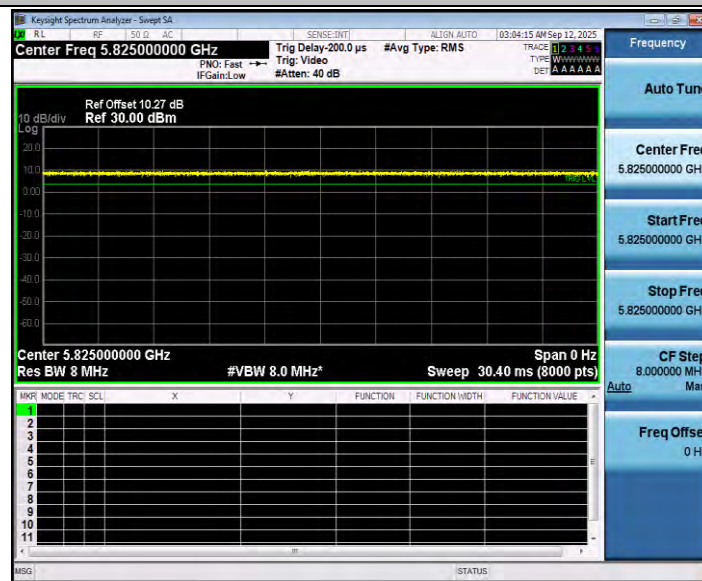
11N20SISO_Ant2_5745



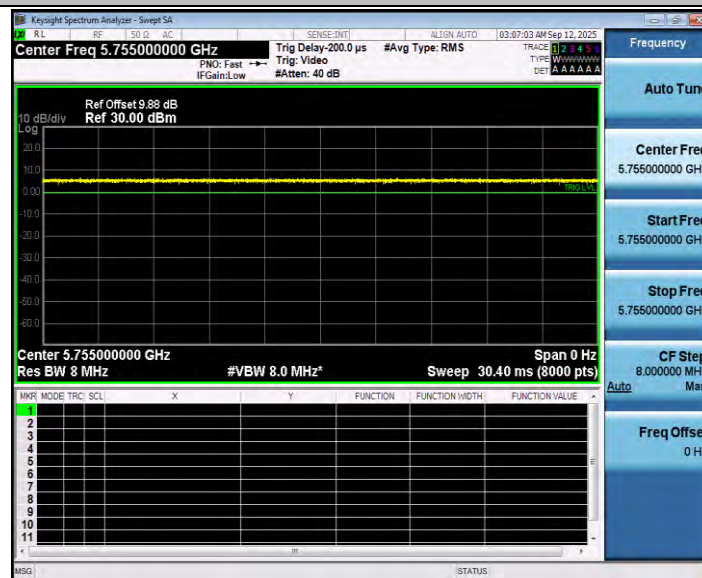
11N20SISO_Ant2_5785



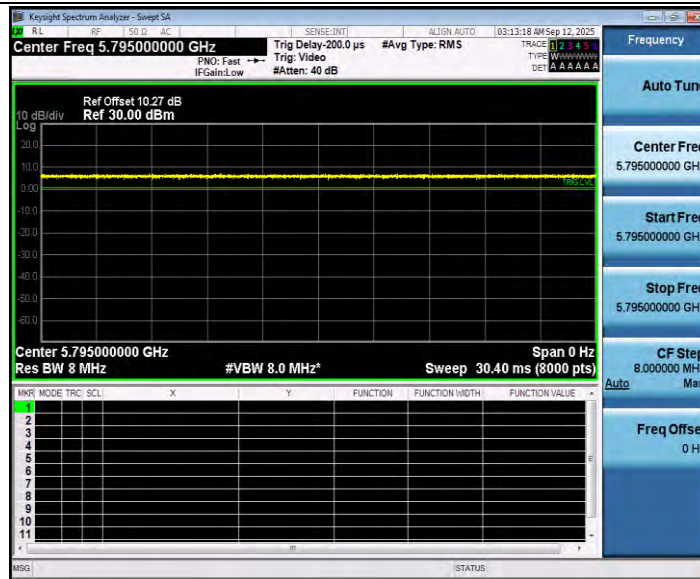
11N20SISO_Ant2_5825



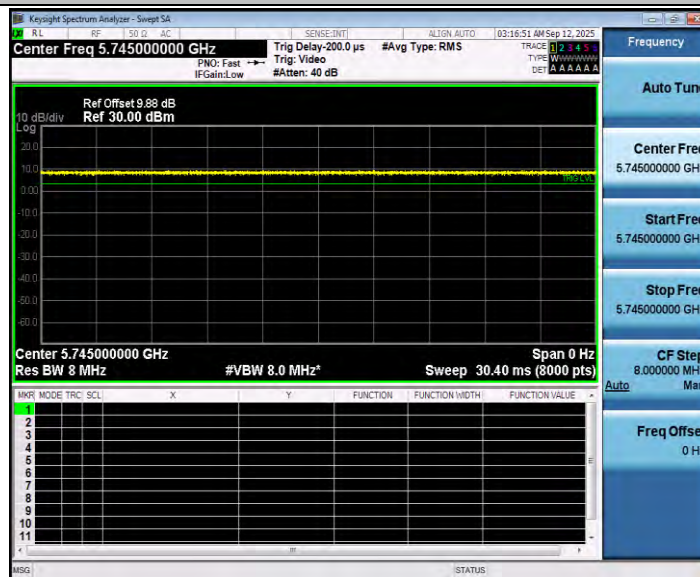
11N40SISO_Ant2_5755



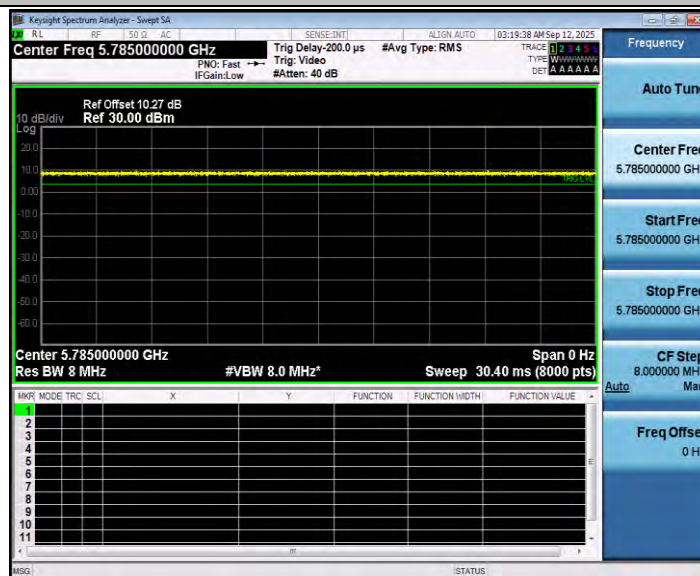
11N40SISO_Ant2_5795

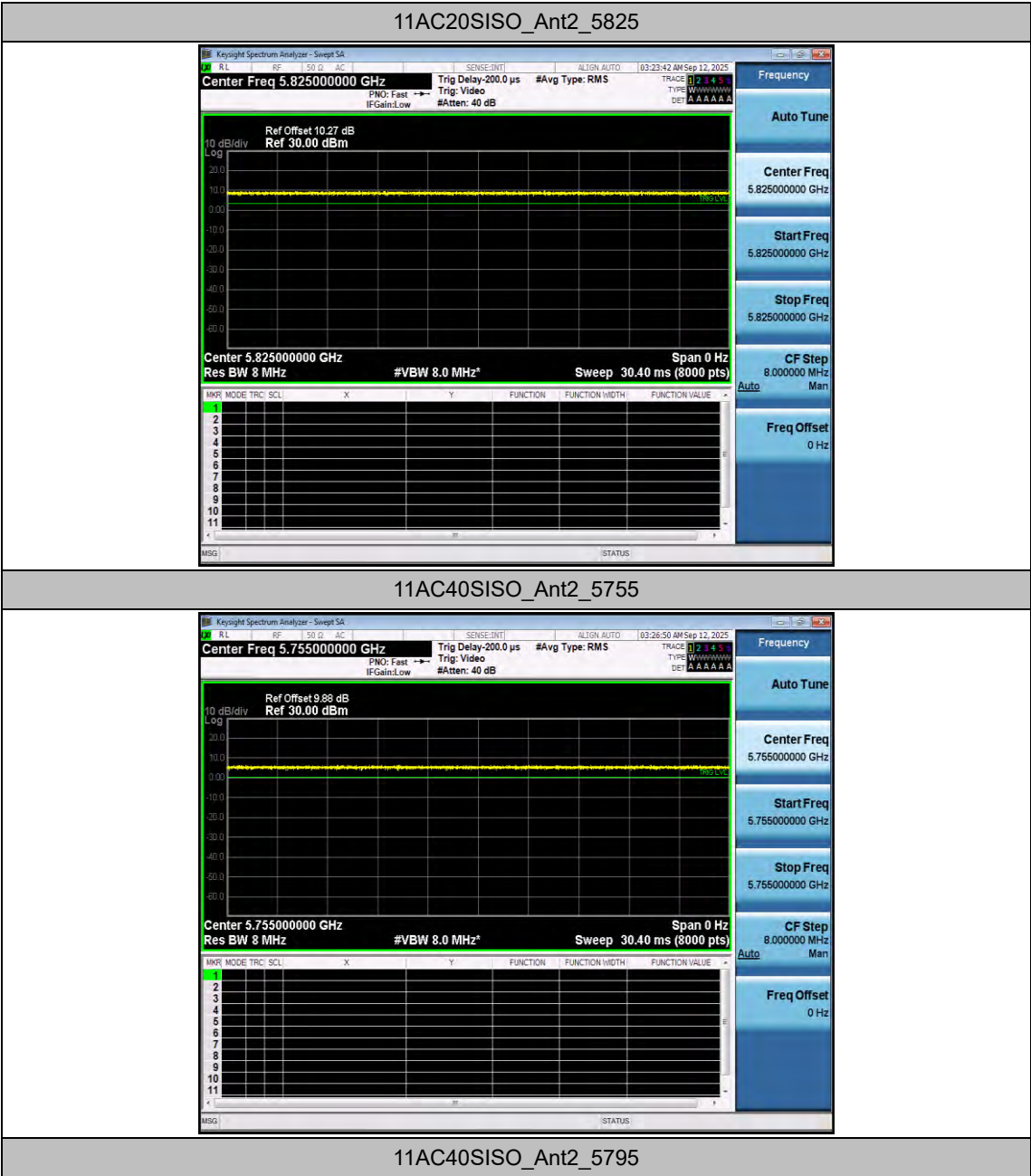


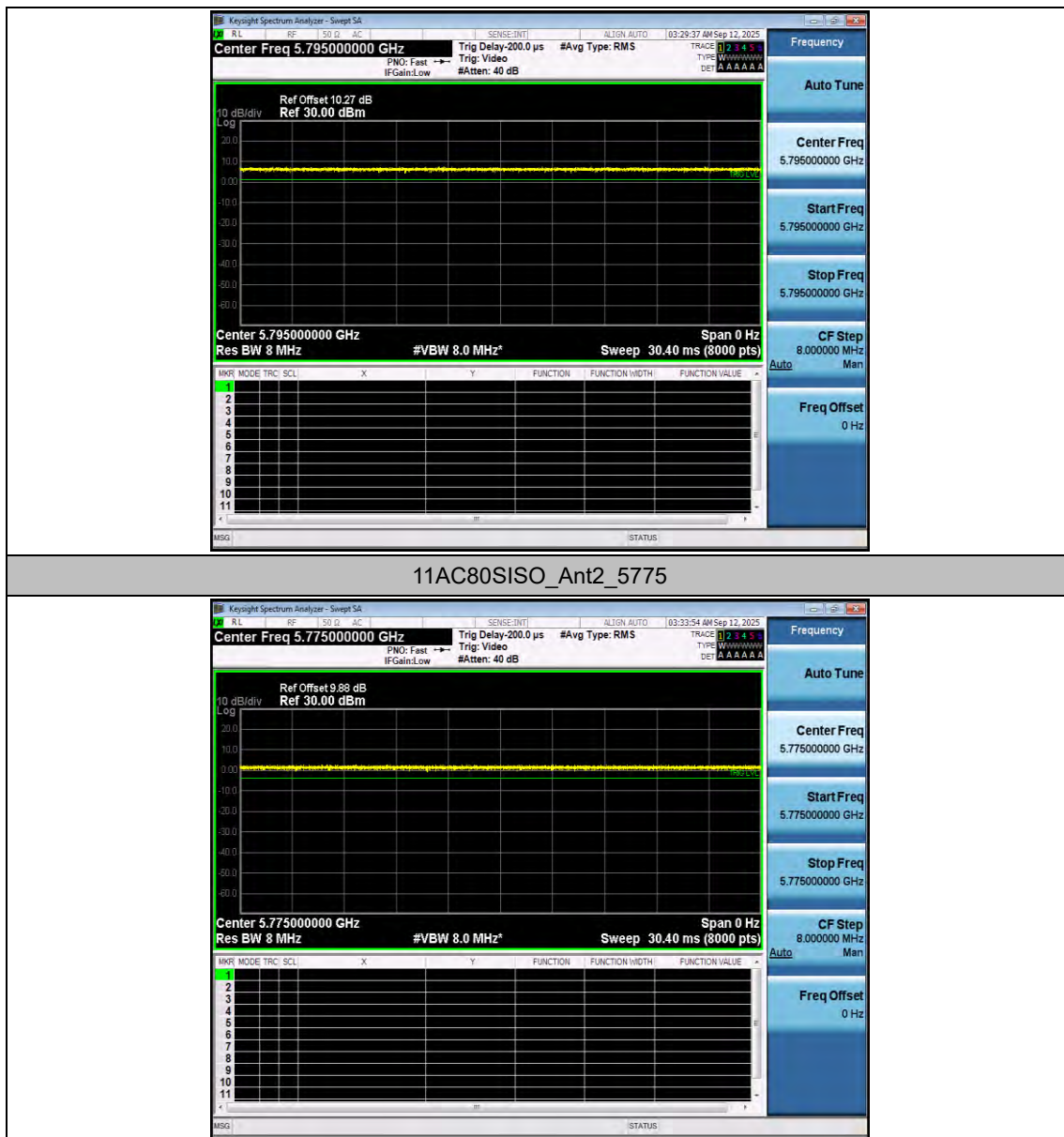
11AC20SISO_Ant2_5745



11AC20SISO_Ant2_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	Ant2	5745	12.32	100.00	0.00	12.32	≤30.00	PASS
		5785	12.74	100.00	0.00	12.74	≤30.00	PASS
		5825	12.74	100.00	0.00	12.74	≤30.00	PASS
11N20SISO	Ant2	5745	12.38	100.00	0.00	12.38	≤30.00	PASS
		5785	12.98	100.00	0.00	12.98	≤30.00	PASS
		5825	12.54	100.00	0.00	12.54	≤30.00	PASS
11N40SISO	Ant2	5755	11.96	100.00	0.00	11.96	≤30.00	PASS
		5795	12.57	100.00	0.00	12.57	≤30.00	PASS
11AC20SISO	Ant2	5745	12.41	100.00	0.00	12.41	≤30.00	PASS
		5785	12.60	100.00	0.00	12.60	≤30.00	PASS
		5825	12.55	100.00	0.00	12.55	≤30.00	PASS
11AC40SISO	Ant2	5755	11.90	100.00	0.00	11.90	≤30.00	PASS
		5795	12.87	100.00	0.00	12.87	≤30.00	PASS
11AC80SISO	Ant2	5775	11.92	100.00	0.00	11.92	≤30.00	PASS

Appendix E.5: Maximum power spectral density

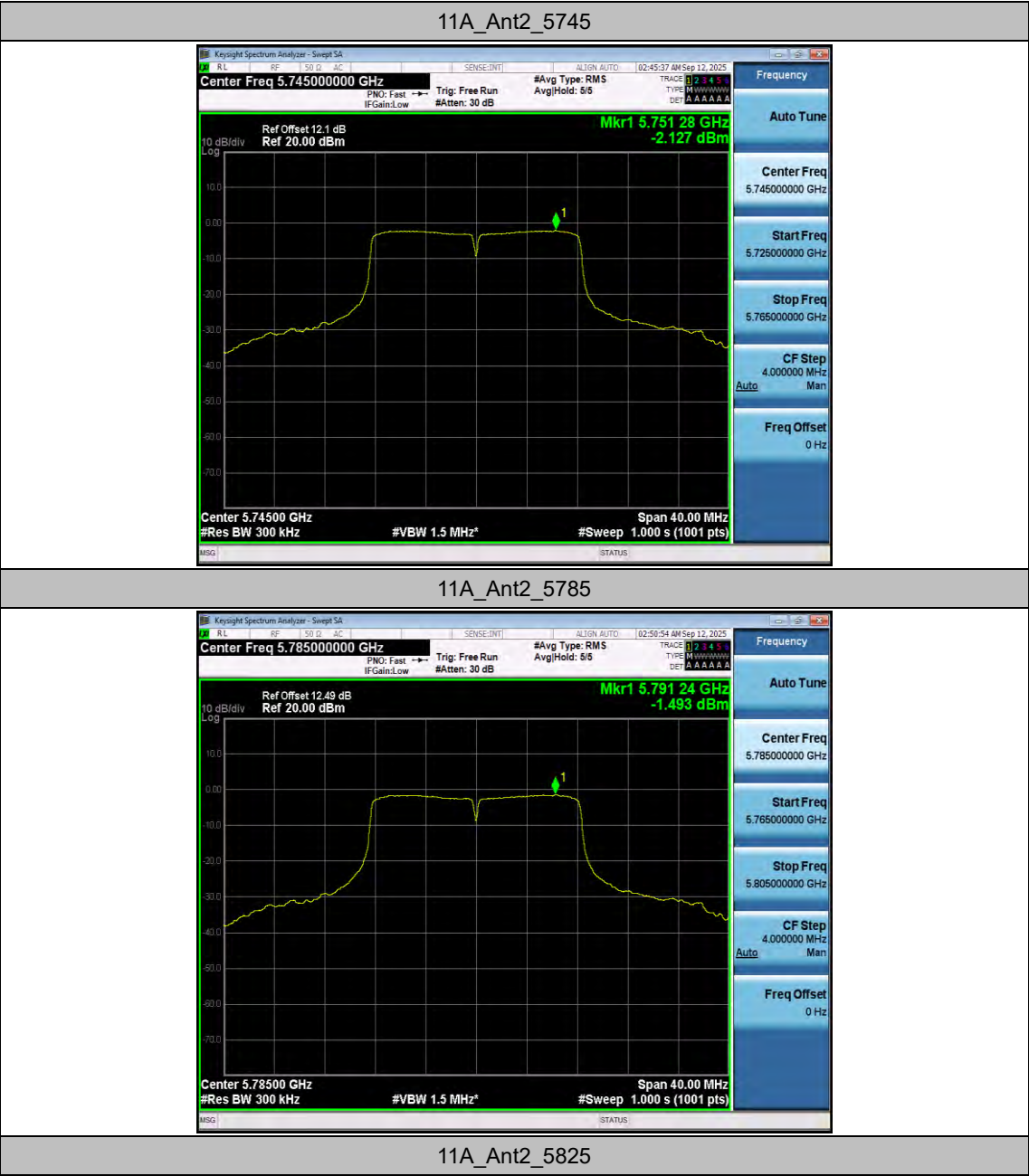
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant2	5745	-2.13	≤30.00	PASS
		5785	-1.49	≤30.00	PASS
		5825	-1.77	≤30.00	PASS
11N20SISO	Ant2	5745	-2.23	≤30.00	PASS
		5785	-1.70	≤30.00	PASS
		5825	-1.91	≤30.00	PASS
11N40SISO	Ant2	5755	-5.72	≤30.00	PASS
		5795	-5.03	≤30.00	PASS
11AC20SISO	Ant2	5745	-2.24	≤30.00	PASS
		5785	-2.05	≤30.00	PASS
		5825	-1.89	≤30.00	PASS
11AC40SISO	Ant2	5755	-5.80	≤30.00	PASS
		5795	-4.77	≤30.00	PASS
11AC80SISO	Ant2	5775	-7.50	≤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_Ant2_5745



11N20SISO_Ant2_5785



11N20SISO_Ant2_5825



11N40SISO_Ant2_5755



11N40SISO_Ant2_5795



11AC20SISO_Ant2_5745



11AC20SISO_Ant2_5785



11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



Appendix E.6: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	Low	5745	5650~5700	-40.5	≤-26.45	PASS
				5700~5720	-26.76	≤15.59	PASS
				5720~5725	-22.39	≤20.80	PASS
				5760~5650	-39.61	≤-27	PASS
		High	5825	5850~5855	-36.55	≤17.26	PASS
				5855~5875	-38.55	≤10.59	PASS
				5875~5925	-39.49	≤-26.81	PASS
				5925~5935	-38.01	≤-27	PASS
11N20SI SO	Ant2	Low	5745	5650~5700	-40.15	≤-26.62	PASS
				5700~5720	-30.56	≤13.60	PASS
				5720~5725	-16.77	≤22.63	PASS
				5760~5650	-39.68	≤-27	PASS
		High	5825	5850~5855	-38.15	≤16.03	PASS
				5855~5875	-39.01	≤10.17	PASS
				5875~5925	-37.97	≤-26.21	PASS
				5925~5935	-37.8	≤-27	PASS
11N40SI SO	Ant2	Low	5755	5650~5700	-39.48	≤-26.80	PASS
				5700~5720	-19.32	≤15.28	PASS
				5720~5725	-19.26	≤19.43	PASS
				5780~5650	-39.52	≤-27	PASS
		High	5795	5850~5855	-36.34	≤17.91	PASS
				5855~5875	-37.76	≤10.34	PASS
				5875~5925	-38.44	≤-25.98	PASS
				5925~5935	-37.79	≤-27	PASS
11AC20S ISO	Ant2	Low	5745	5650~5700	-39.3	≤-25.51	PASS
				5700~5720	-31.93	≤12.47	PASS
				5720~5725	-16.95	≤22.37	PASS
				5760~5650	-39.26	≤-27	PASS
		High	5825	5850~5855	-38.47	≤15.73	PASS
				5855~5875	-39.32	≤10.21	PASS
				5875~5925	-38.91	≤-25.41	PASS
				5925~5935	-37.99	≤-27	PASS
11AC40S ISO	Ant2	Low	5755	5650~5700	-39.81	≤-26.40	PASS
				5700~5720	-23.08	≤14.14	PASS
				5720~5725	-20.01	≤18.20	PASS
				5780~5650	-39.82	≤-27	PASS

		High	5795	5850~5855	-36.43	≤ 16.79	PASS
				5855~5875	-38.96	≤ 10.02	PASS
				5875~5925	-38.94	≤ -26.59	PASS
				5925~5935	-38.16	≤ -27	PASS
11AC80S ISO	Ant2	Low	5775	5650~5700	-39.04	≤ -26.91	PASS
				5700~5720	-24.91	≤ 11.22	PASS
				5720~5725	-25.09	≤ 15.65	PASS
				5800~5650	-38.37	≤ -27	PASS
		High	5775	5850~5855	-26.18	≤ 15.84	PASS
				5855~5875	-25.97	≤ 11.80	PASS
				5875~5925	-38.95	≤ -26.73	PASS
				5925~5935	-38.44	≤ -27	PASS

Test GraphsB4

11A_Ant2_Low_5745



11A_Ant2_High_5825



11N20SISO_Ant2_Low_5745



11N20SISO_Ant2_High_5825



11N40SISO_Ant2_Low_5755



11N40SISO_Ant2_High_5795



11AC20SISO_Ant2_Low_5745



11AC20SISO_Ant2_High_5825



11AC40SISO_Ant2_Low_5755



11AC40SISO_Ant2_High_5795



11AC80SISO_Ant2_Low_5775



11AC80SISO_Ant2_High_5775



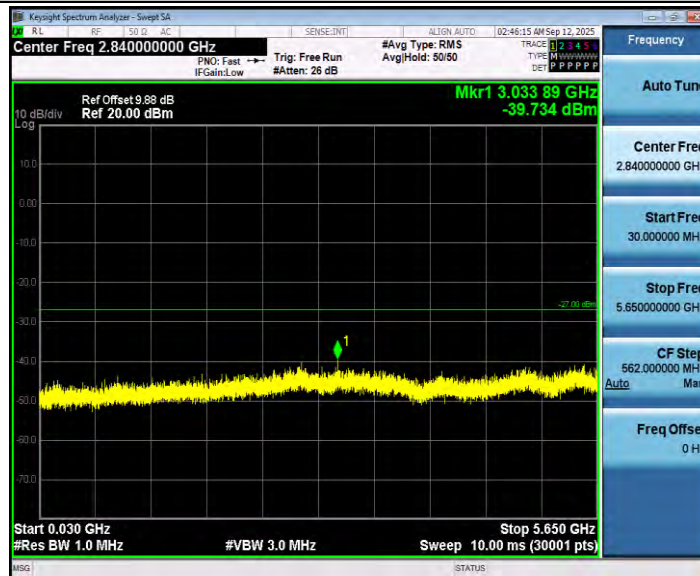
Appendix E.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant2	5745	30~5650	3033.89	-39.73	≤-27	PASS
			5925~27000	25047.75	-32.06	≤-27	PASS
		5785	30~5650	4933.26	-39.82	≤-27	PASS
			5925~27000	25644.88	-30.97	≤-27	PASS
		5825	30~5650	5461.92	-40.25	≤-27	PASS
			5925~27000	26534.95	-31.24	≤-27	PASS
11N20SISO	Ant2	5745	30~5650	2530.34	-37.23	≤-27	PASS
			5925~27000	26040.39	-31.07	≤-27	PASS
		5785	30~5650	2651.54	-40.24	≤-27	PASS
			5925~27000	23578.83	-30.9	≤-27	PASS
		5825	30~5650	5579.19	-40.06	≤-27	PASS
			5925~27000	24250.42	-31.78	≤-27	PASS
11N40SISO	Ant2	5755	30~5650	5510.25	-39.75	≤-27	PASS
			5925~27000	24244.8	-32.34	≤-27	PASS
		5795	30~5650	4983.84	-40.02	≤-27	PASS
			5925~27000	26810.33	-31.49	≤-27	PASS
11AC20SISO	Ant2	5745	30~5650	5449.55	-40.42	≤-27	PASS
			5925~27000	23575.31	-31.66	≤-27	PASS
		5785	30~5650	2668.96	-40.37	≤-27	PASS
			5925~27000	26085.35	-31.57	≤-27	PASS
		5825	30~5650	2664.09	-39.85	≤-27	PASS
			5925~27000	24953.62	-31.43	≤-27	PASS
11AC40SISO	Ant2	5755	30~5650	2647.8	-41.23	≤-27	PASS
			5925~27000	24211.78	-31.8	≤-27	PASS
		5795	30~5650	3272.93	-39.66	≤-27	PASS
			5925~27000	24237.07	-31.15	≤-27	PASS
11AC80SISO	Ant2	5775	30~5650	5646.82	-38.89	≤-27	PASS
			5925~27000	24803.28	-31.31	≤-27	PASS

Test Graphs

11A_Ant2_5745_30~5650



11A_Ant2_5745_5925~27000



11A_Ant2_5785_30~5650



11A_Ant2_5785_5925~27000



11A_Ant2_5825_30~5650



11A_Ant2_5825_5925~27000



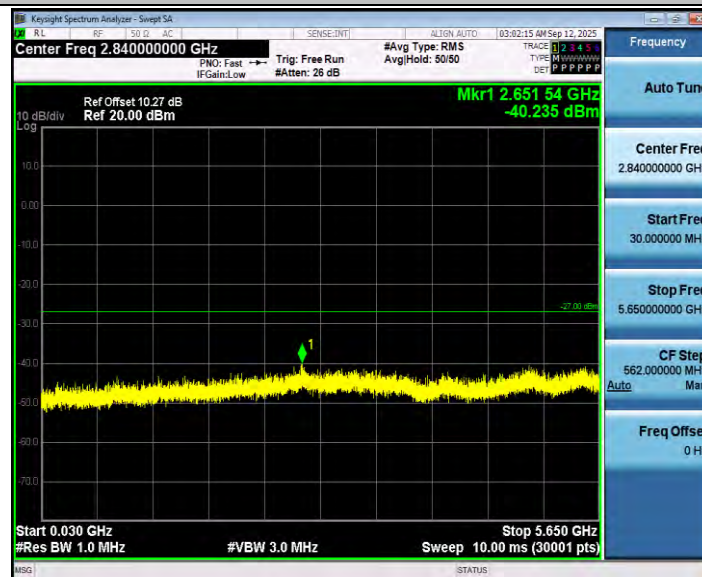
11N20SISO_Ant2_5745_30~5650



11N20SISO_Ant2_5745_5925~27000



11N20SISO_Ant2_5785_30~5650



11N20SISO_Ant2_5785_5925~27000



11N20SISO_Ant2_5825_30~5650



11N20SISO_Ant2_5825_5925~27000



11N40SISO_Ant2_5755_30~5650



11N40SISO_Ant2_5755_5925~27000



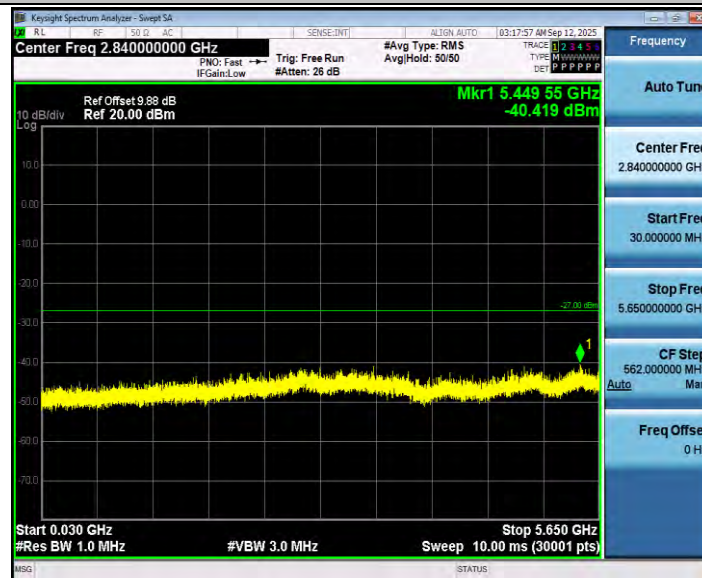
11N40SISO_Ant2_5795_30~5650



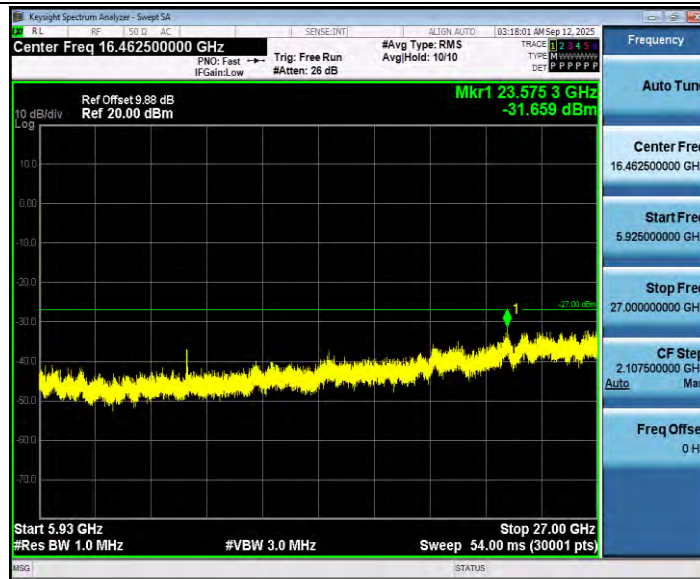
11N40SISO_Ant2_5795_5925~27000



11AC20SISO_Ant2_5745_30~5650



11AC20SISO_Ant2_5745_5925~27000



11AC20SISO_Ant2_5785_30~5650



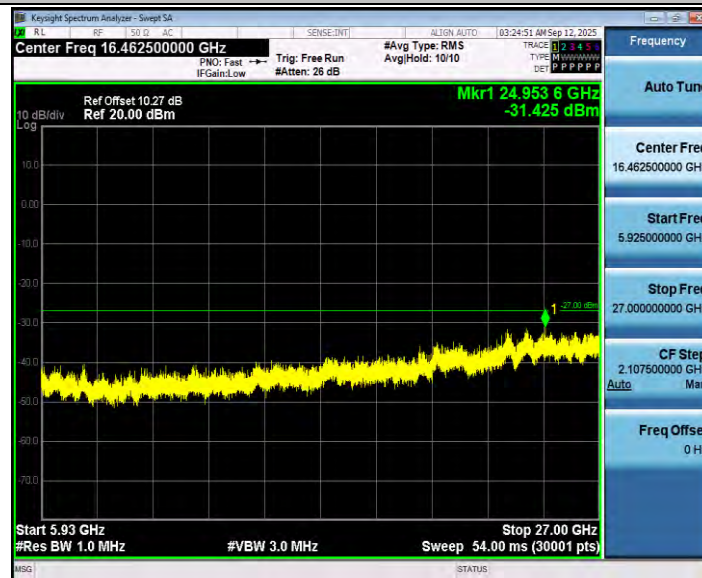
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11AC20SISO_Ant2_5825_30~5650



11AC20SISO_Ant2_5825_5925~27000



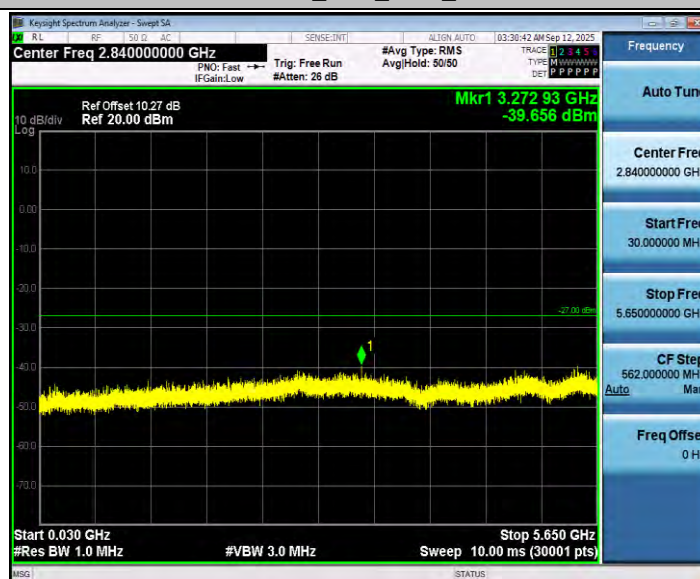
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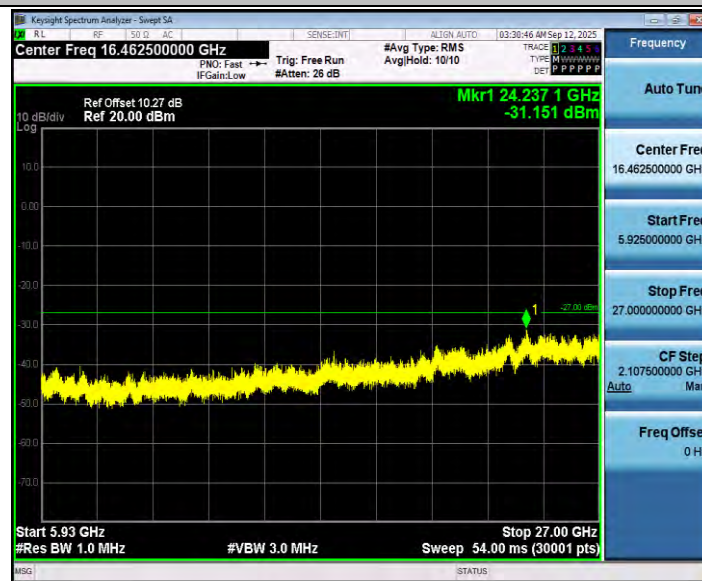
11AC40SISO_Ant2_5755_5925~27000



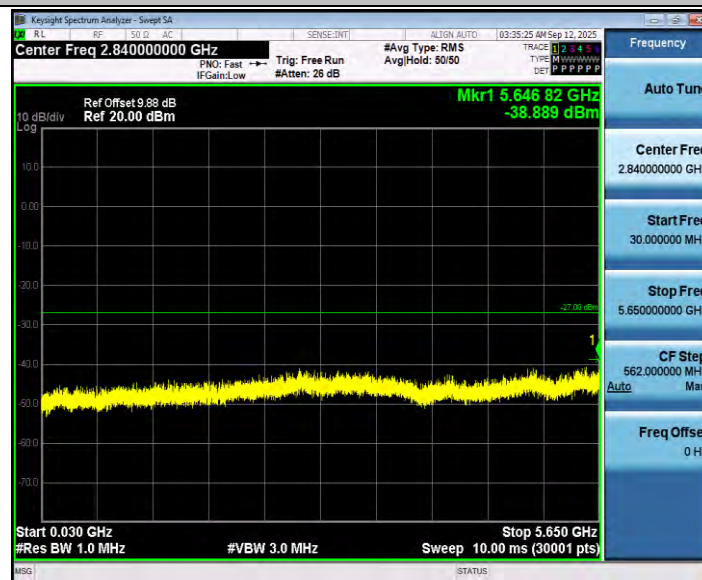
11AC40SISO_Ant2_5795_30~5650



11AC40SISO_Ant2_5795_5925~27000



11AC80SISO_Ant2_5775_30~5650



11AC80SISO_Ant2_5775_5925~27000

