

Case No. : <u>GTS20250319016-1-11</u>	
Ambient Condition: <u>22</u> °C, <u>53</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.4.15</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	Ant2	5745	16.520	5736.680	5753.200	0.5	PASS
		5785	16.520	5776.680	5793.200	0.5	PASS
		5825	16.520	5816.680	5833.200	0.5	PASS
11N20SISO	Ant2	5745	17.640	5736.120	5753.760	0.5	PASS
		5785	17.640	5776.120	5793.760	0.5	PASS
		5825	17.640	5816.120	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	5736.120	5753.760	0.5	PASS
		5785	17.640	5776.120	5793.760	0.5	PASS
		5825	17.640	5816.120	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	76.000	5736.760	5812.760	0.5	PASS

Test Graphs B4

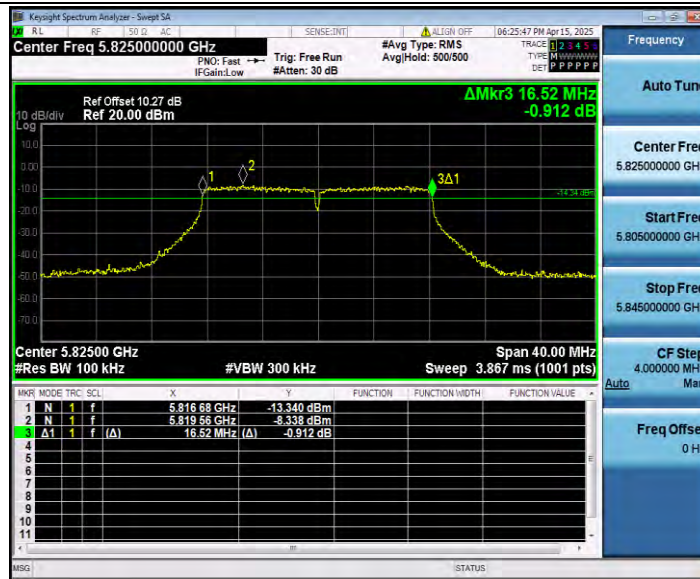
11A_Ant2_5745



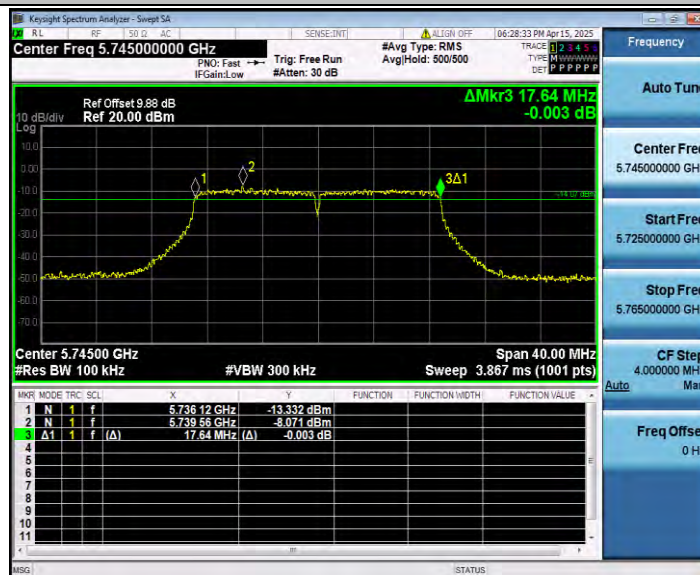
11A_Ant2_5785



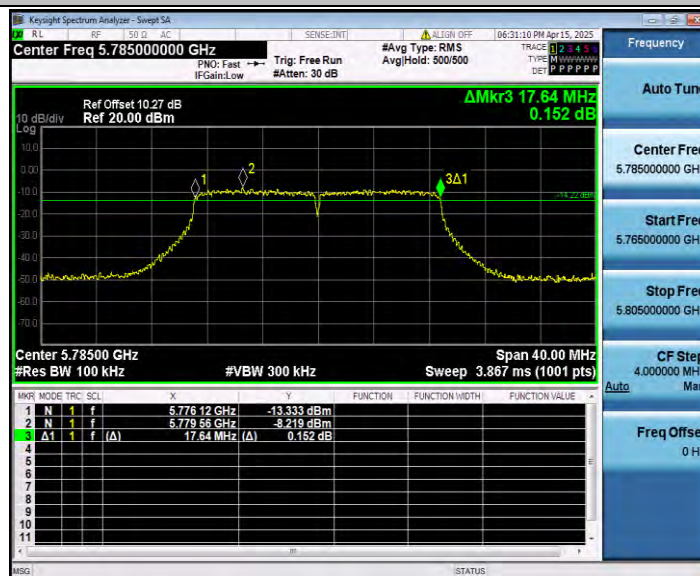
11A_Ant2_5825



11N20SISO_Ant2_5745



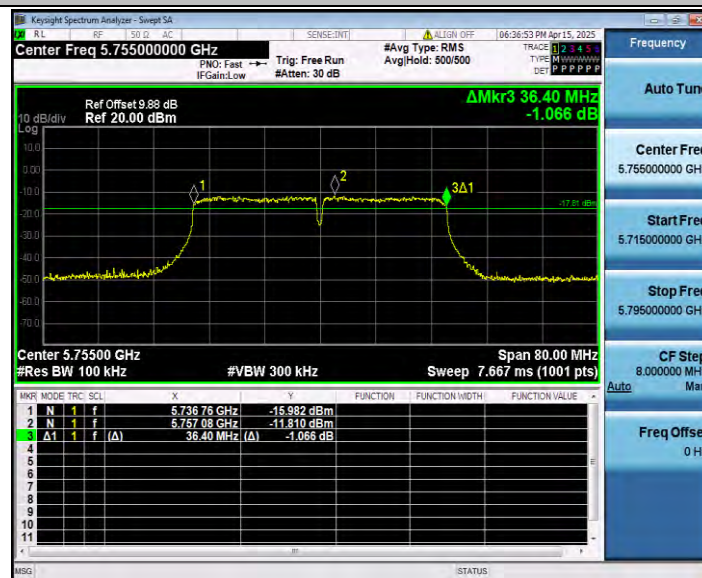
11N20SISO_Ant2_5785



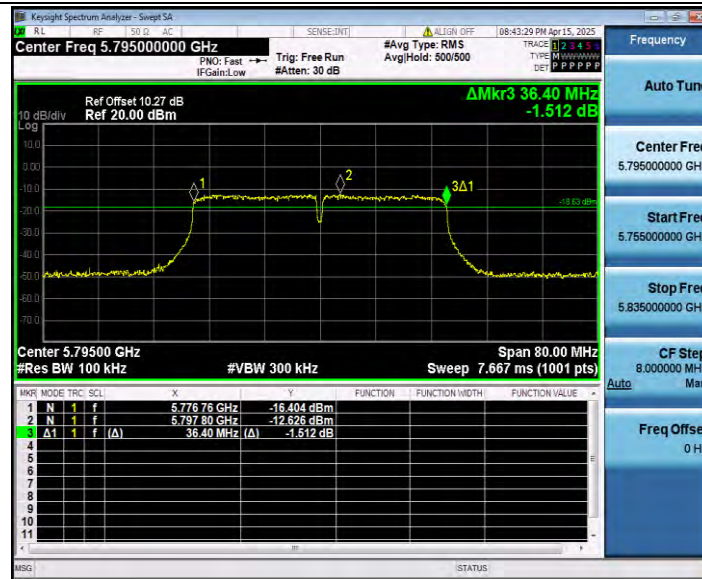
11N20SISO_Ant2_5825



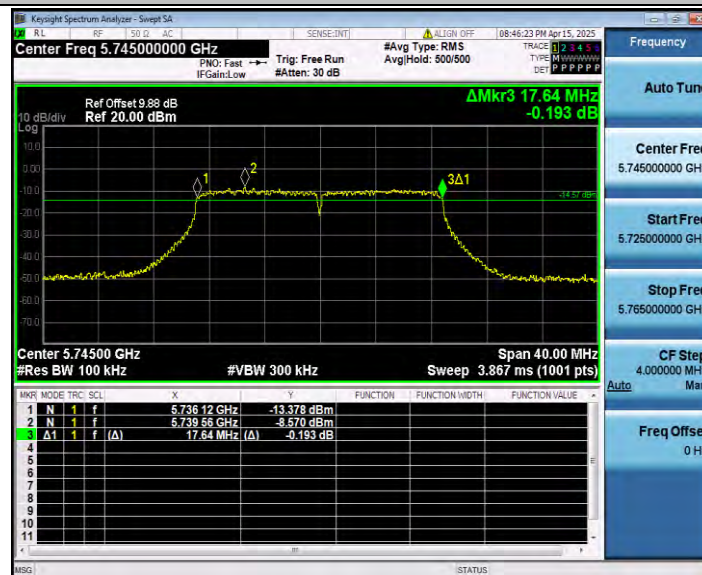
11N40SISO_Ant2_5755



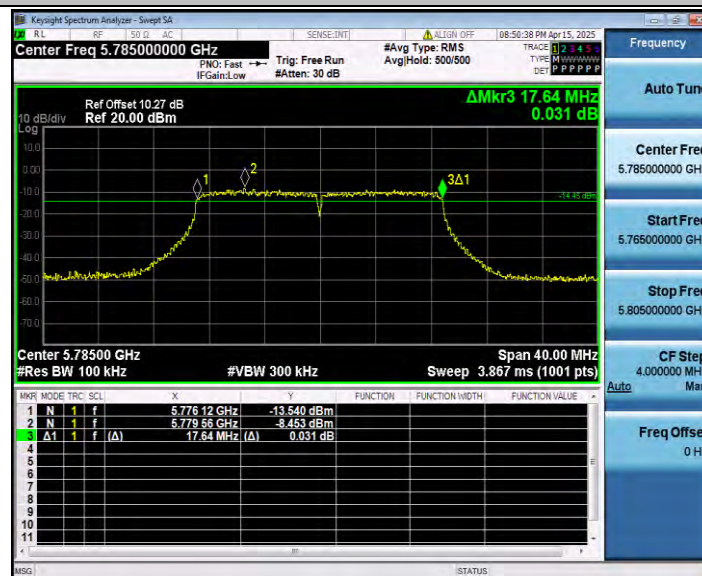
11N40SISO_Ant2_5795



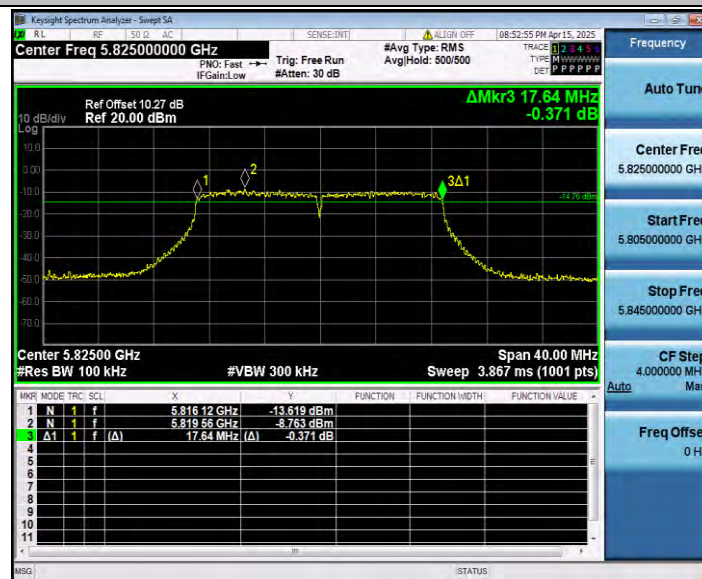
11AC20SISO_Ant2_5745



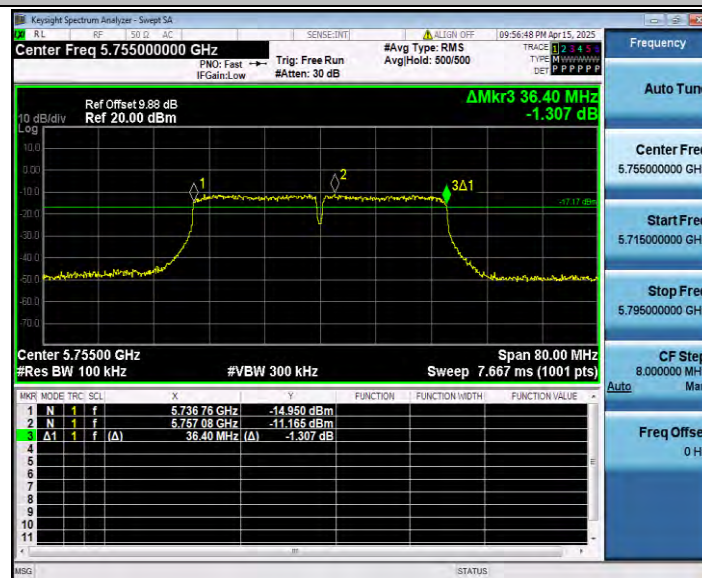
11AC20SISO_Ant2_5785



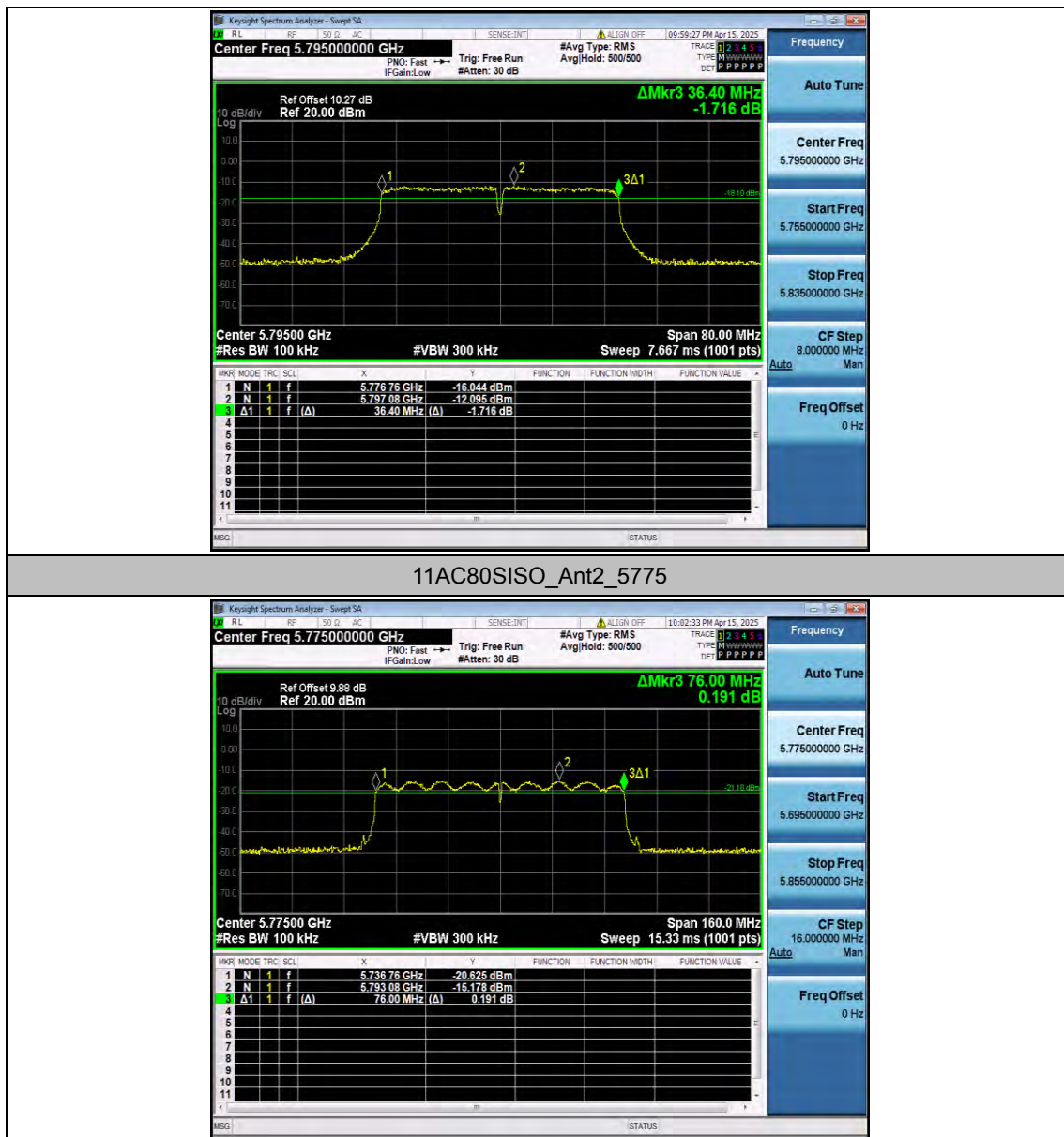
11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795

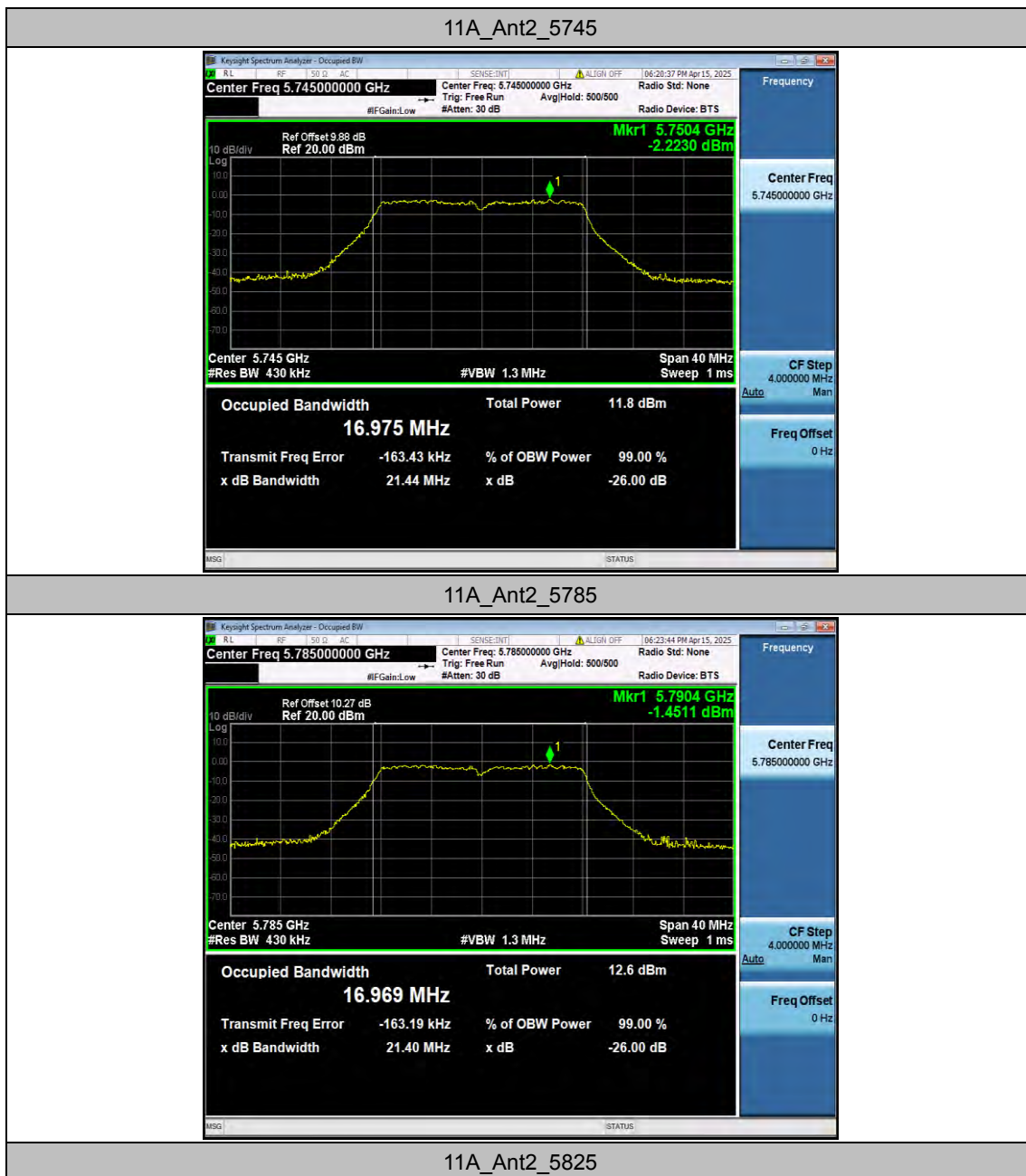


Appendix E.2: Occupied channel bandwidth

Test Result

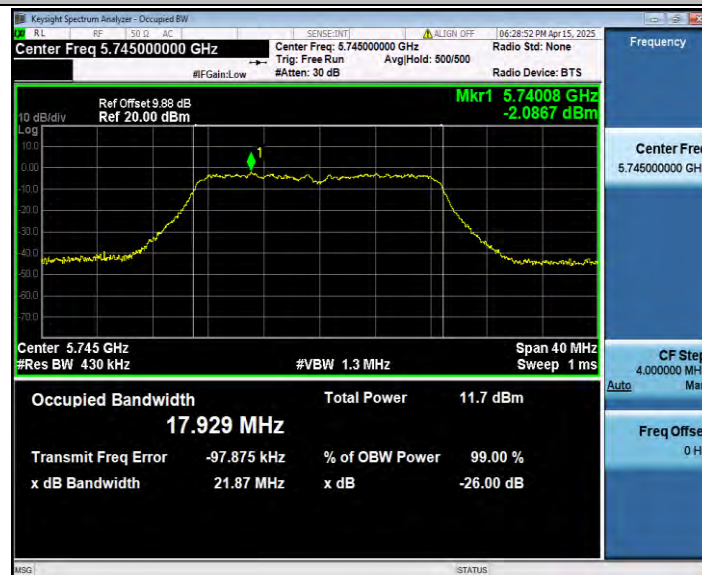
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5745	16.975	5736.3491	5753.3241	---	---
		5785	16.969	5776.3523	5793.3213	---	---
		5825	16.984	5816.3290	5833.3130	---	---
11N20SISO	Ant2	5745	17.929	5735.9376	5753.8666	---	---
		5785	17.911	5775.9405	5793.8515	---	---
		5825	17.952	5815.8998	5833.8518	---	---
11N40SISO	Ant2	5755	36.603	5736.6505	5773.2535	---	---
		5795	36.544	5776.6547	5813.1987	---	---
11AC20SISO	Ant2	5745	17.964	5735.9229	5753.8869	---	---
		5785	17.979	5775.9097	5793.8887	---	---
		5825	17.988	5815.8992	5833.8872	---	---
11AC40SISO	Ant2	5755	36.566	5736.6449	5773.2109	---	---
		5795	36.584	5776.6189	5813.2029	---	---
11AC80SISO	Ant2	5775	75.400	5737.2011	5812.6011	---	---

Test Graphs

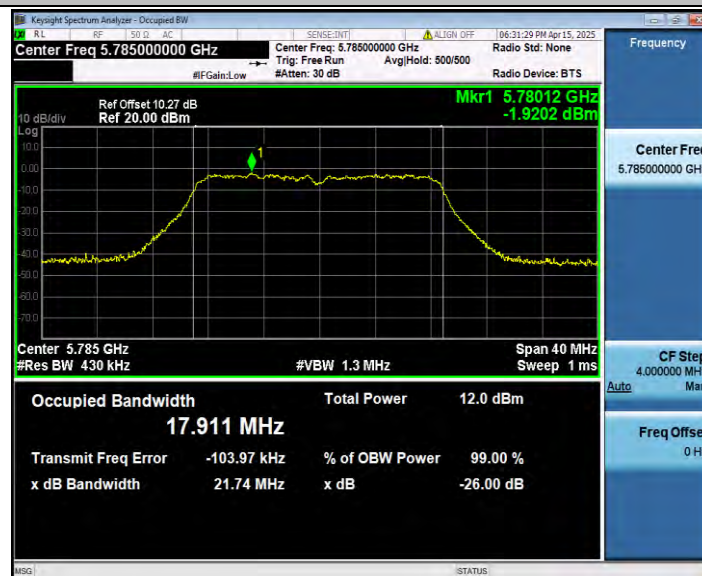




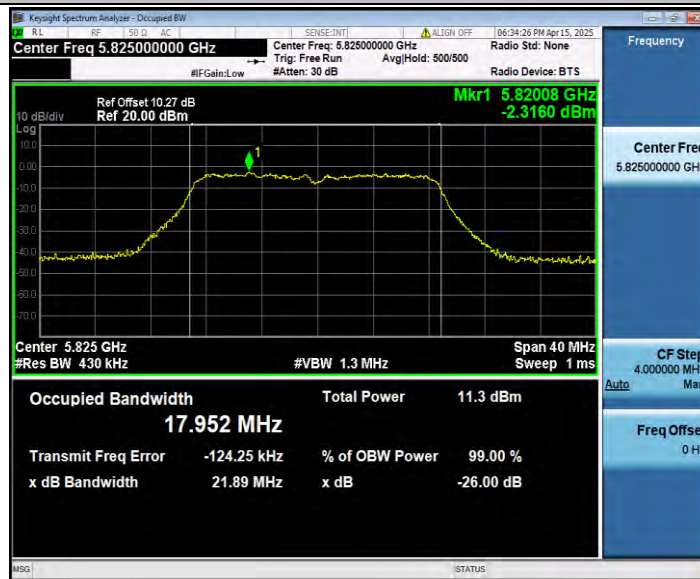
11N20SISO_Ant2_5745



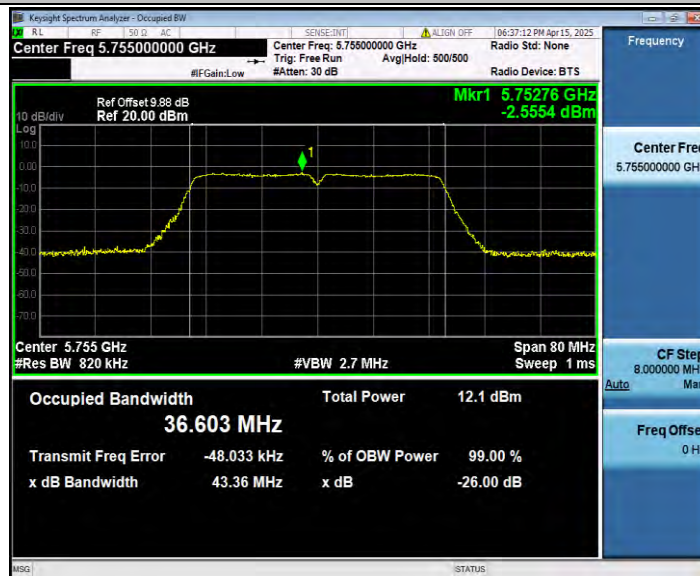
11N20SISO_Ant2_5785



11N20SISO_Ant2_5825



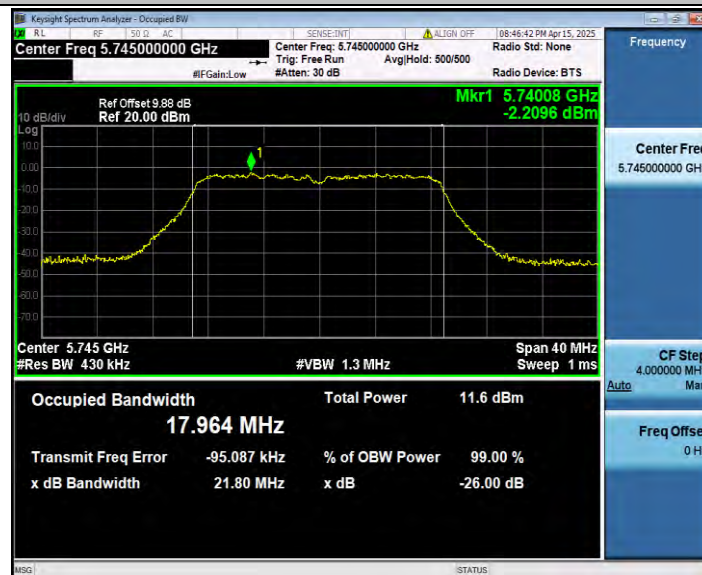
11N40SISO_Ant2_5755



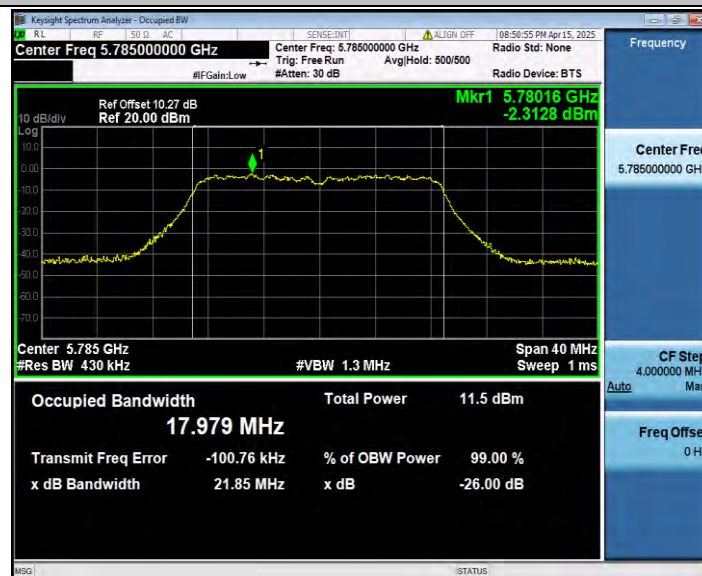
11N40SISO_Ant2_5795



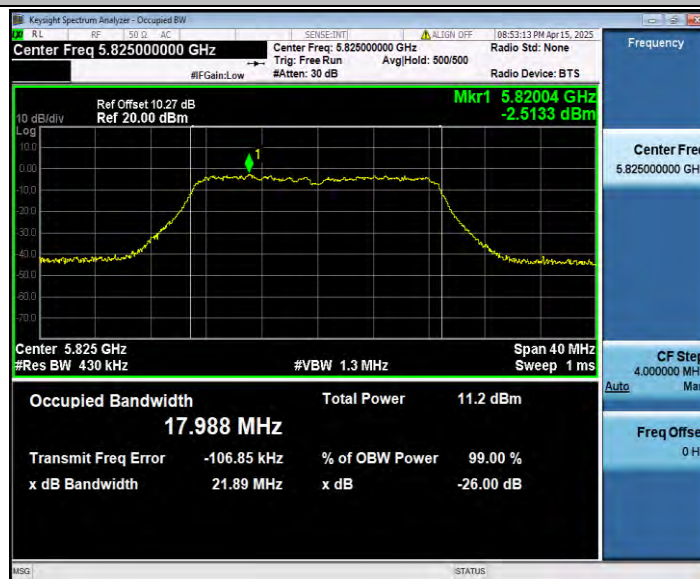
11AC20SISO_Ant2_5745



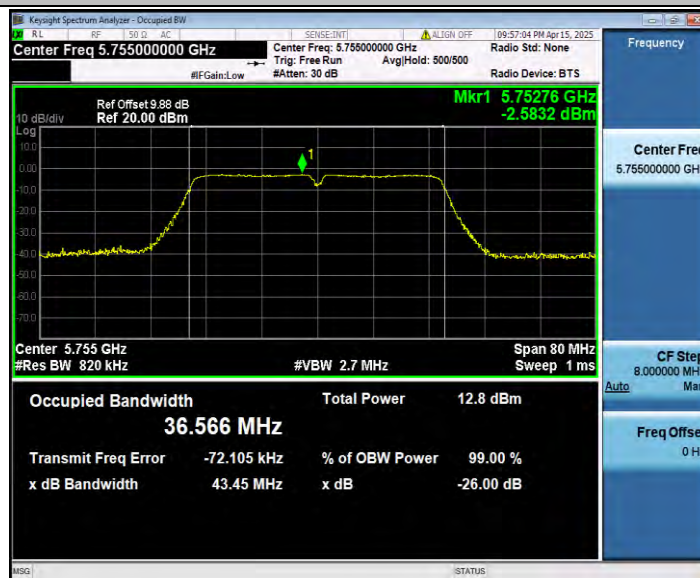
11AC20SISO_Ant2_5785



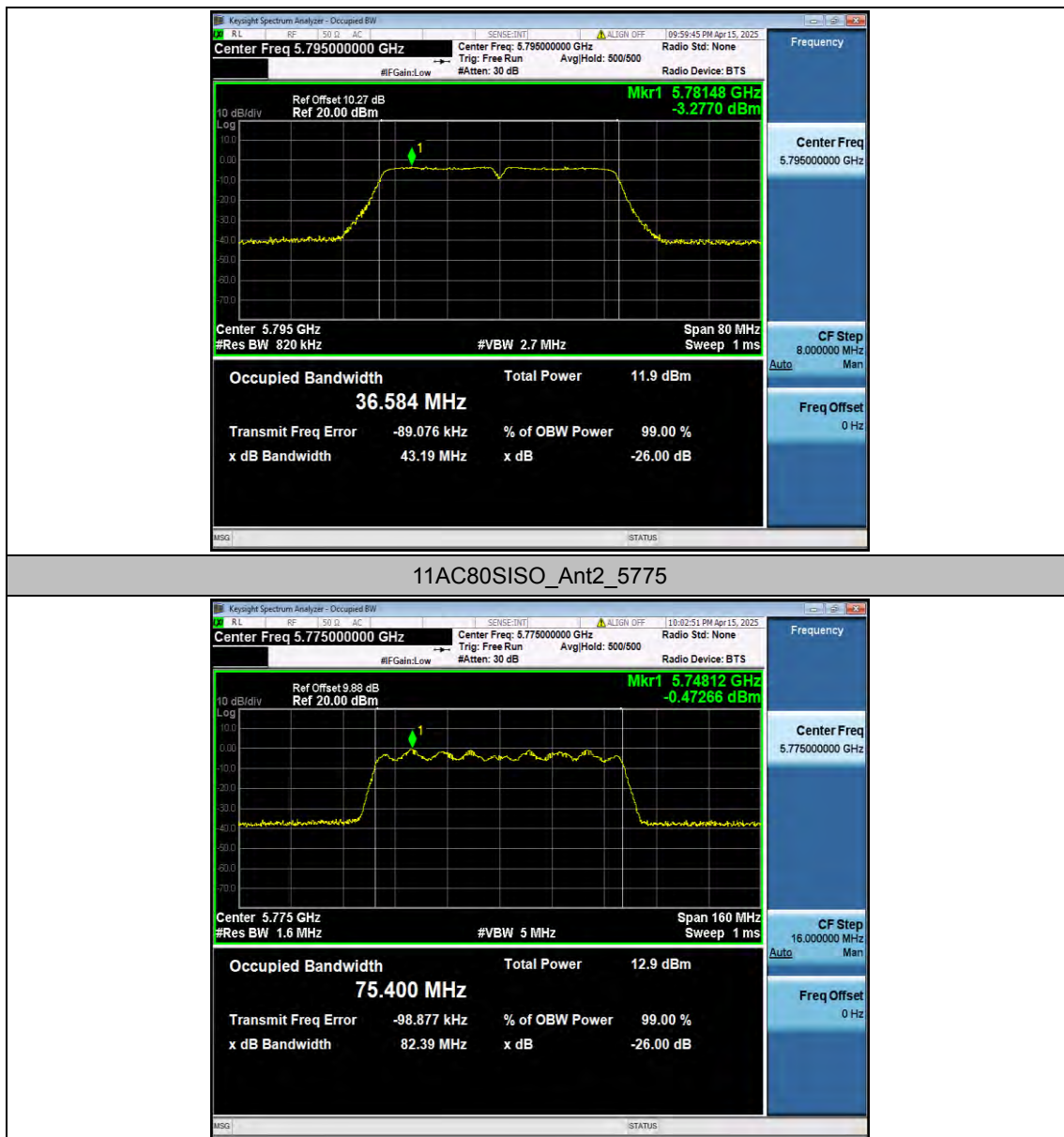
11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



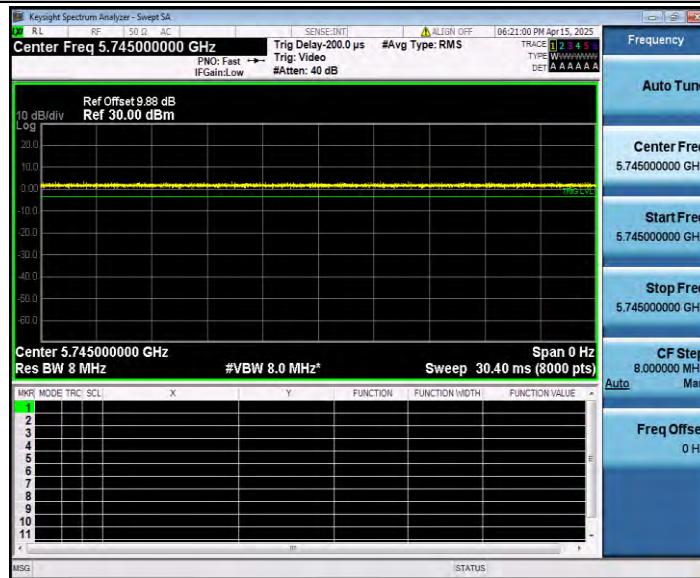
Appendix E 3: Duty Cycle

Test Result

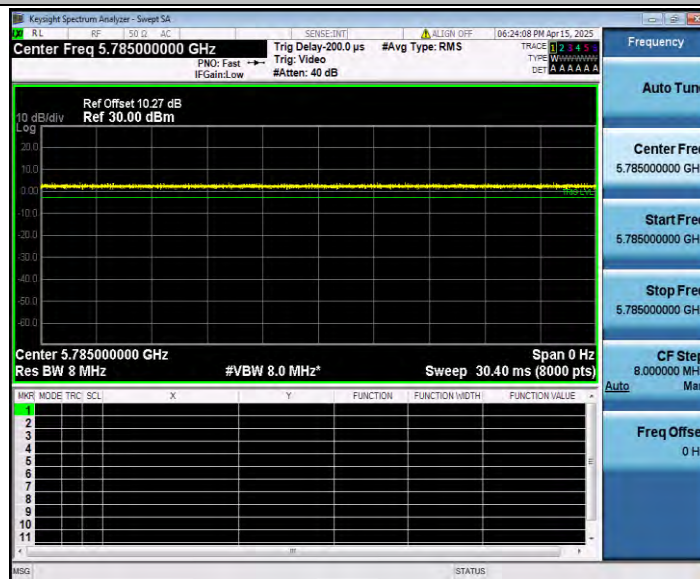
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant2	5745	30.00	30.00	100.00	0.00	0.03
		5785	30.00	30.00	100.00	0.00	0.03
		5825	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant2	5745	30.00	30.00	100.00	0.00	0.03
		5785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

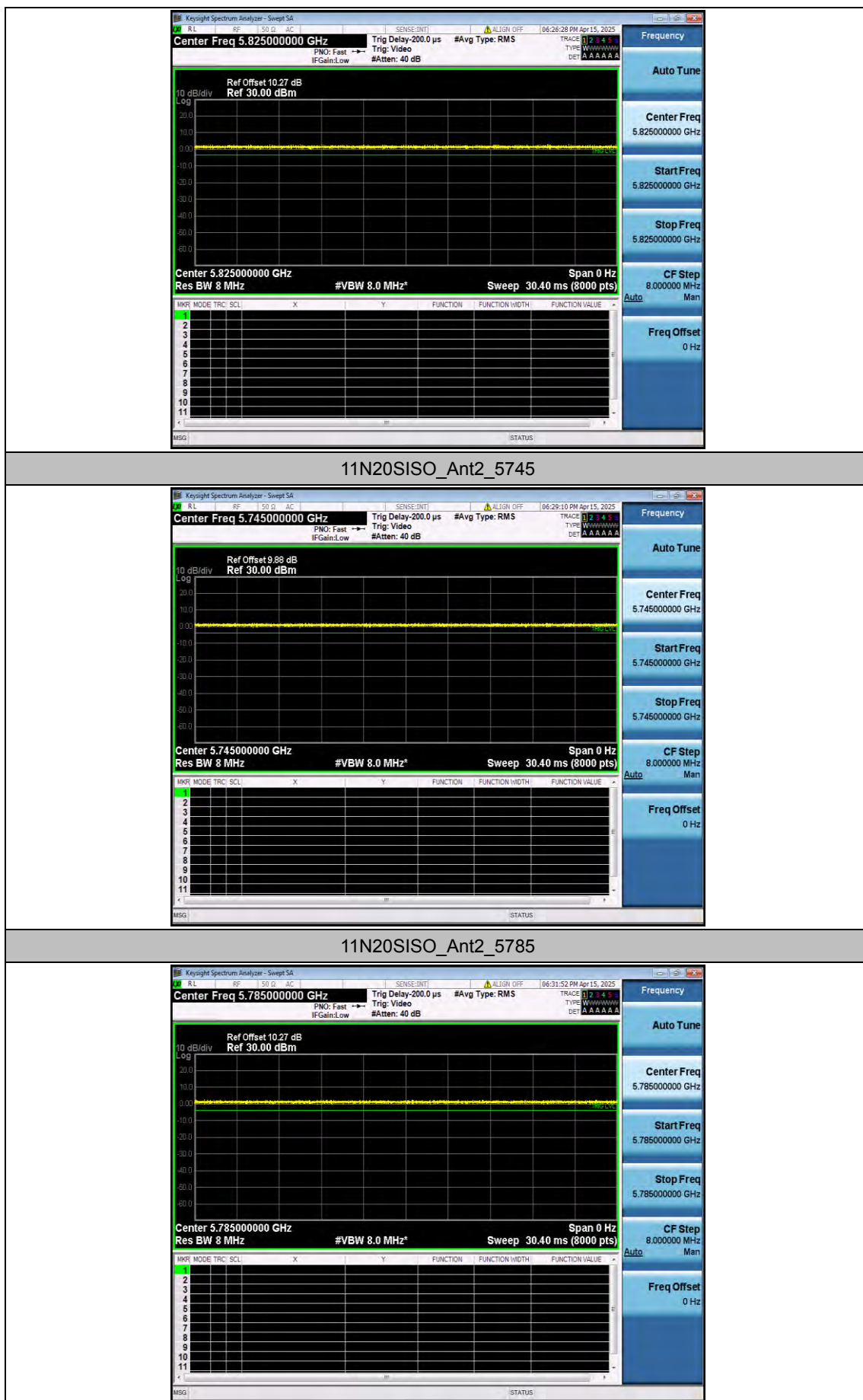
11A_Ant2_5745



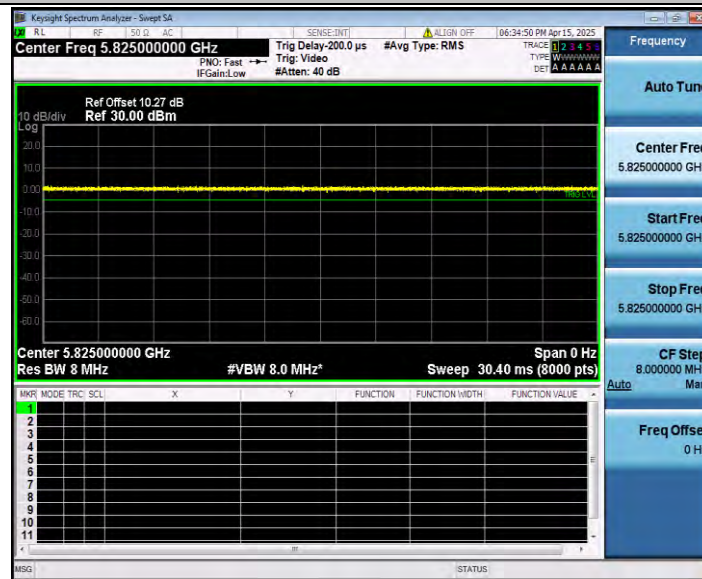
11A_Ant2_5785



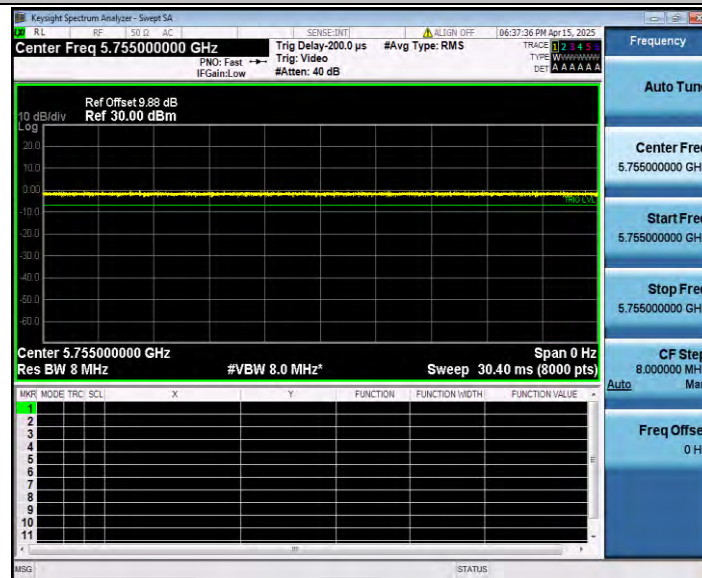
11A_Ant2_5825



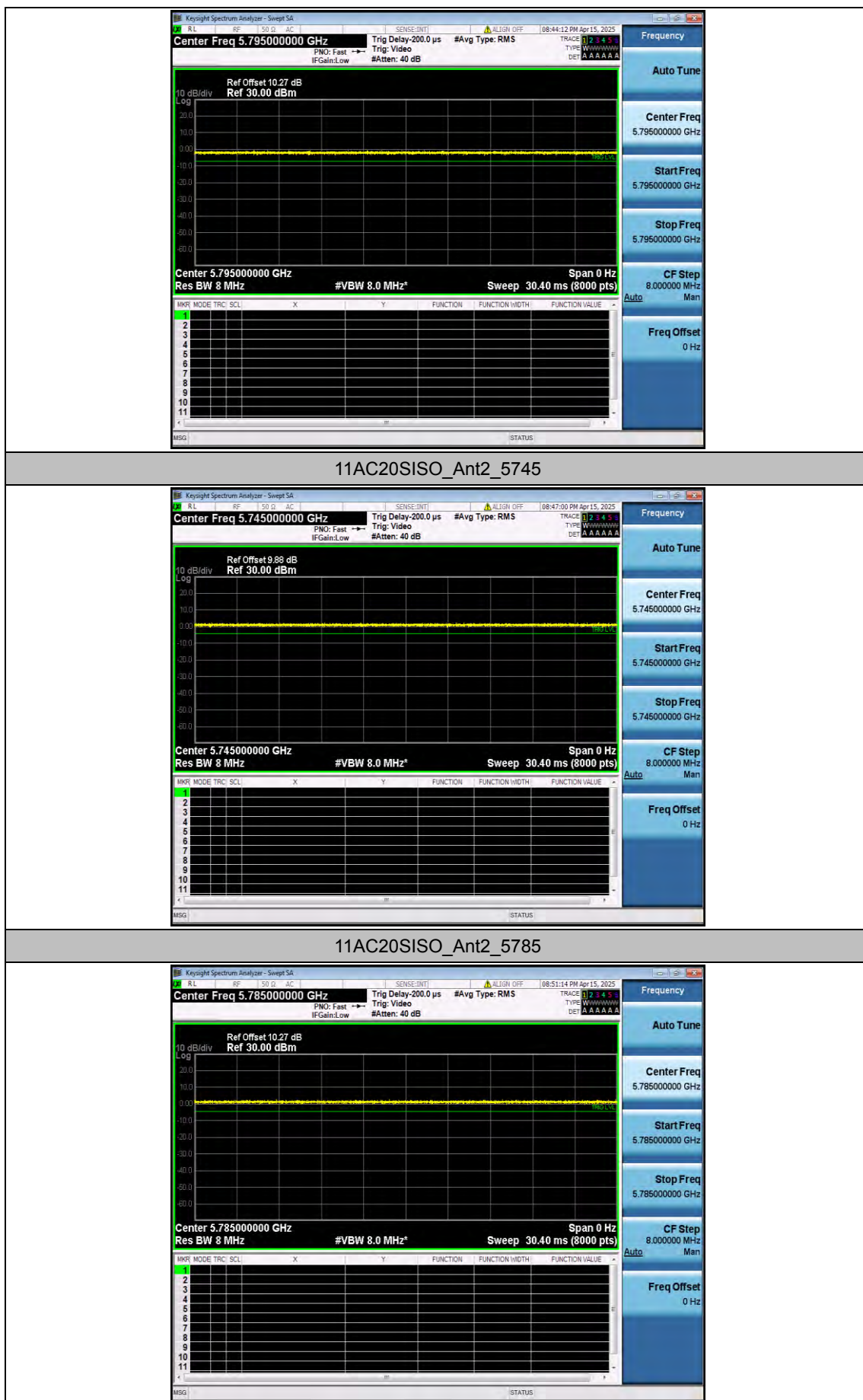
11N20SISO_Ant2_5825



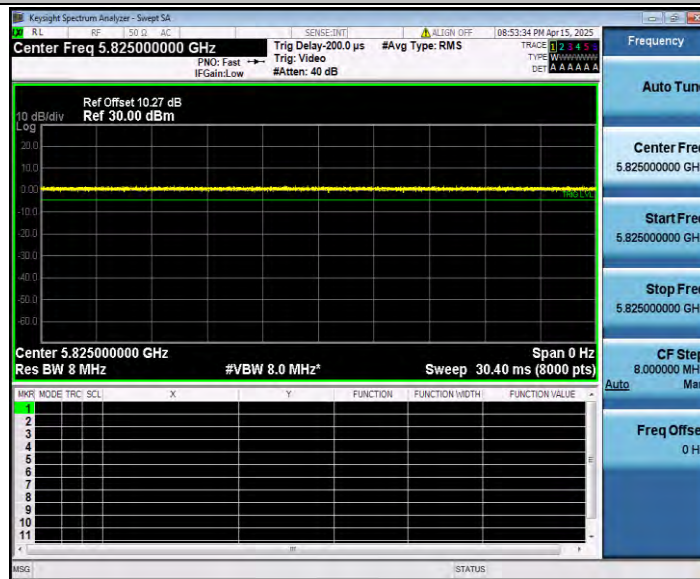
11N40SISO_Ant2_5755



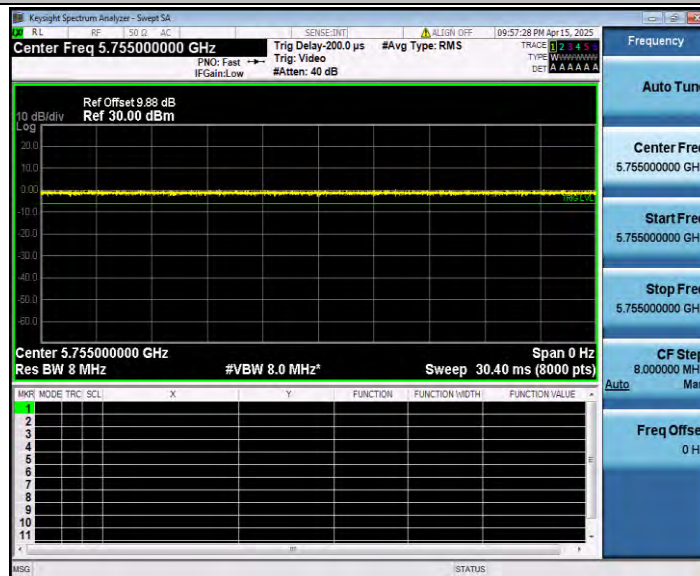
11N40SISO_Ant2_5795



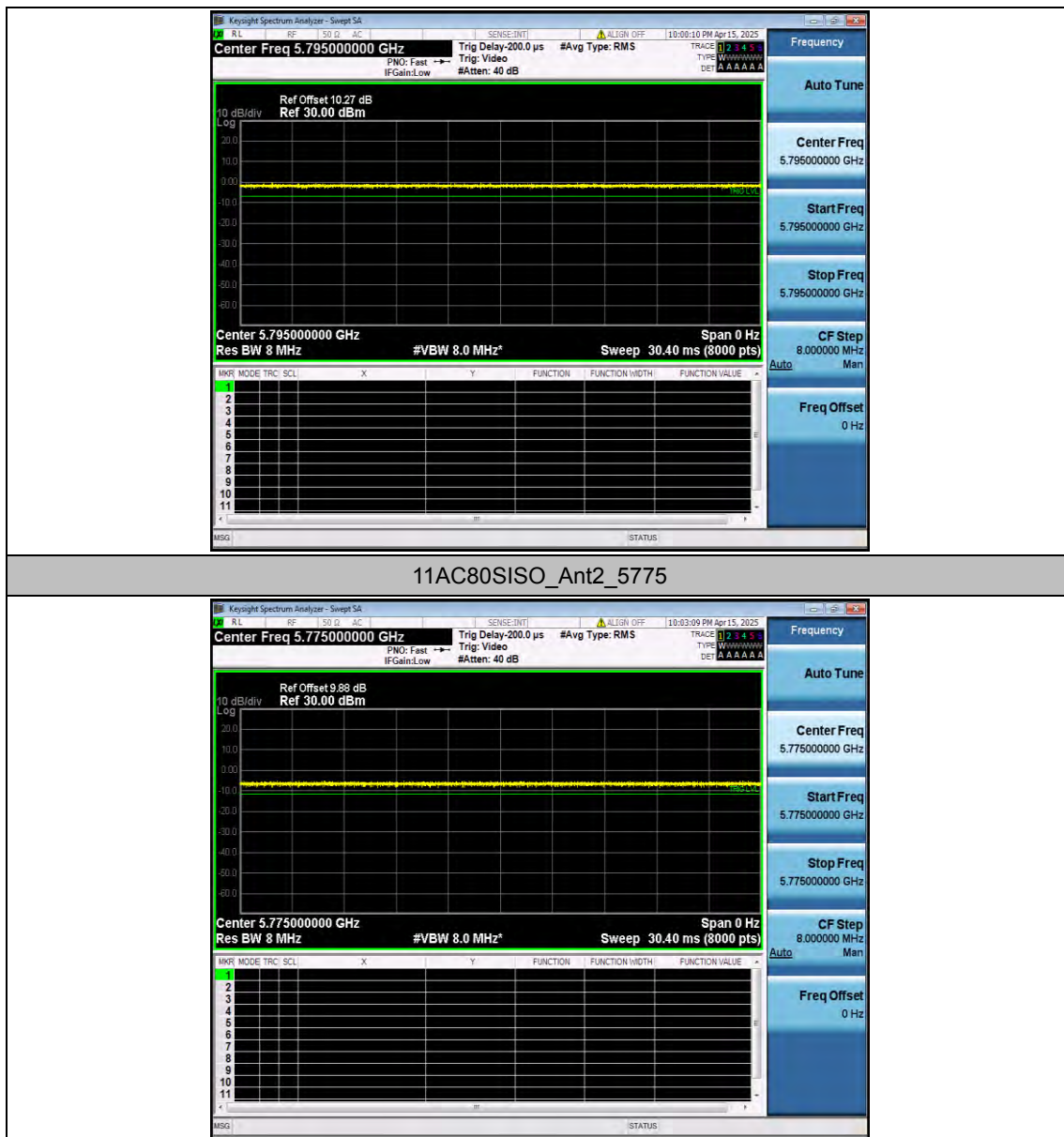
11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



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	5.42	100.00	0.00	5.42	≤30.00	PASS
		5785	6.11	100.00	0.00	6.11	≤30.00	PASS
		5825	5.26	100.00	0.00	5.26	≤30.00	PASS
11N20SISO	Ant2	5745	5.02	100.00	0.00	5.02	≤30.00	PASS
		5785	5.25	100.00	0.00	5.25	≤30.00	PASS
		5825	4.66	100.00	0.00	4.66	≤30.00	PASS
11N40SISO	Ant2	5755	4.98	100.00	0.00	4.98	≤30.00	PASS
		5795	4.49	100.00	0.00	4.49	≤30.00	PASS
11AC20SISO	Ant2	5745	4.89	100.00	0.00	4.89	≤30.00	PASS
		5785	4.92	100.00	0.00	4.92	≤30.00	PASS
		5825	4.64	100.00	0.00	4.64	≤30.00	PASS
11AC40SISO	Ant2	5755	5.42	100.00	0.00	5.42	≤30.00	PASS
		5795	4.73	100.00	0.00	4.73	≤30.00	PASS
11AC80SISO	Ant2	5775	4.03	100.00	0.00	4.03	≤30.00	PASS

Appendix E.5: Maximum power spectral density

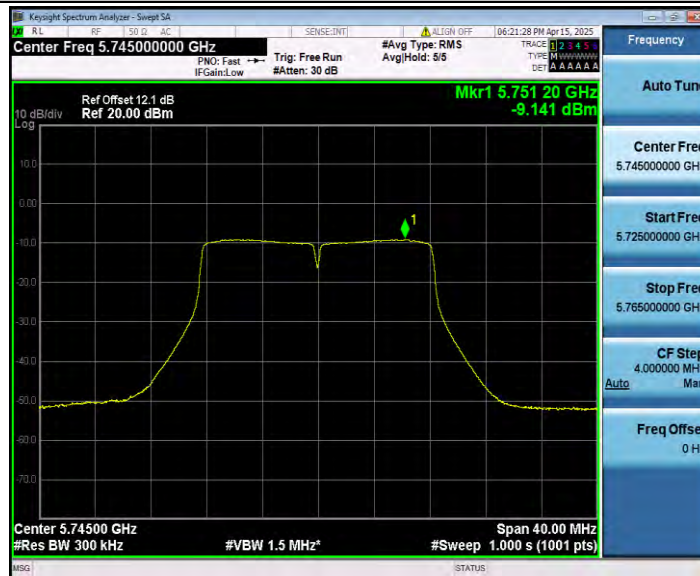
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant2	5745	-9.14	≤30.00	PASS
		5785	-8.40	≤30.00	PASS
		5825	-9.17	≤30.00	PASS
11N20SISO	Ant2	5745	-9.62	≤30.00	PASS
		5785	-9.53	≤30.00	PASS
		5825	-9.84	≤30.00	PASS
11N40SISO	Ant2	5755	-12.74	≤30.00	PASS
		5795	-12.98	≤30.00	PASS
11AC20SISO	Ant2	5745	-9.68	≤30.00	PASS
		5785	-9.38	≤30.00	PASS
		5825	-9.80	≤30.00	PASS
11AC40SISO	Ant2	5755	-12.28	≤30.00	PASS
		5795	-12.88	≤30.00	PASS
11AC80SISO	Ant2	5775	-15.73	≤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

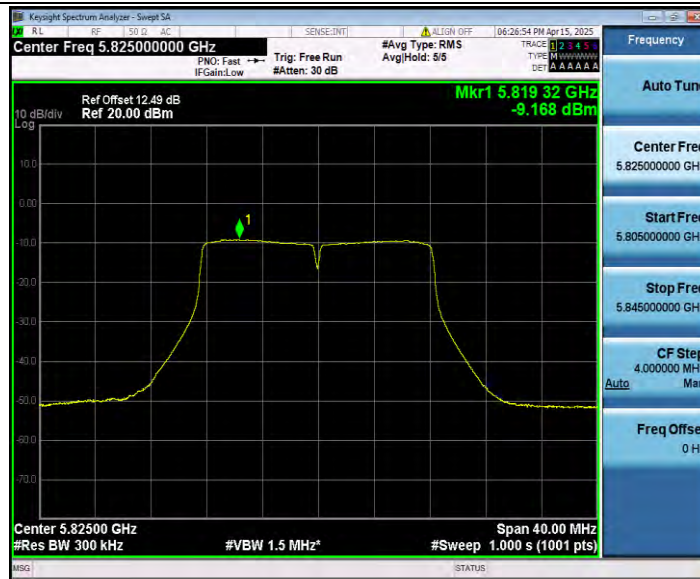
11A_Ant2_5745



11A_Ant2_5785



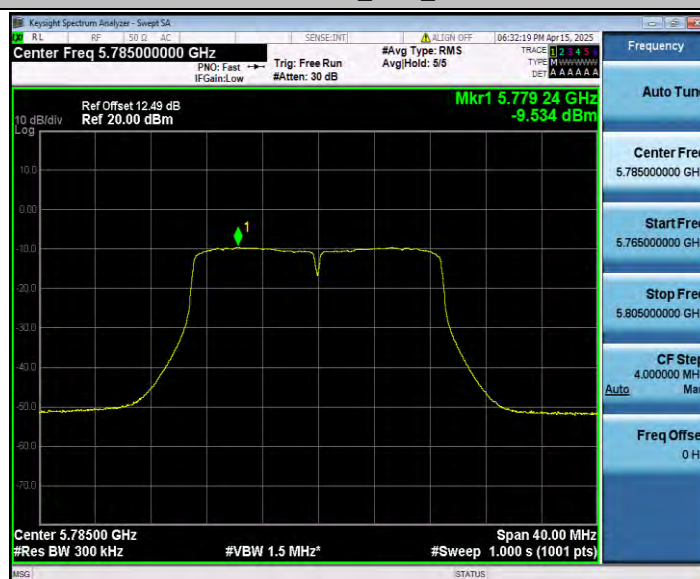
11A_Ant2_5825



11N20SISO_Ant2_5745



11N20SISO_Ant2_5785



11N20SISO_Ant2_5825



11N40SISO_Ant2_5755



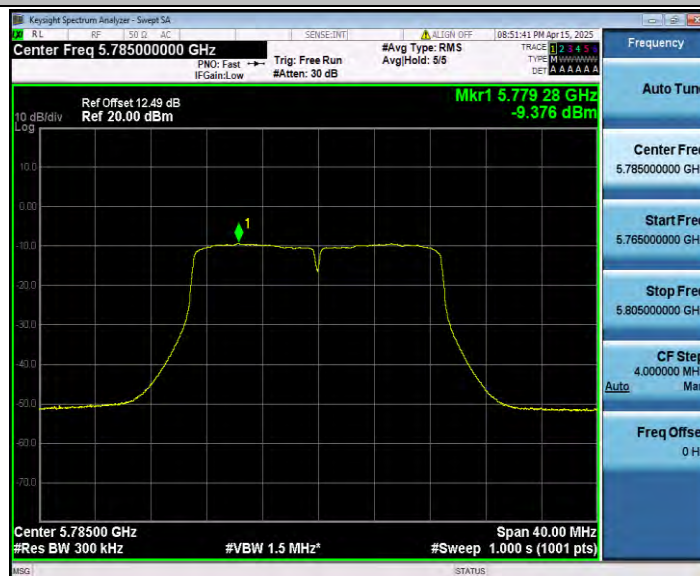
11N40SISO_Ant2_5795



11AC20SISO_Ant2_5745



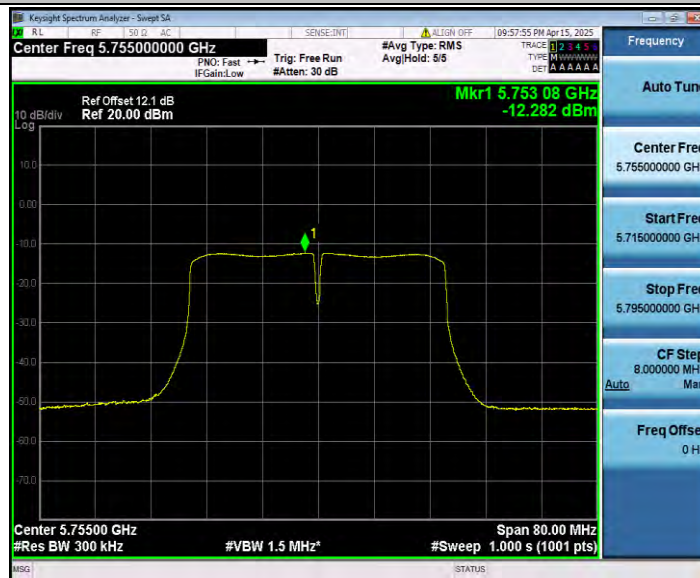
11AC20SISO_Ant2_5785



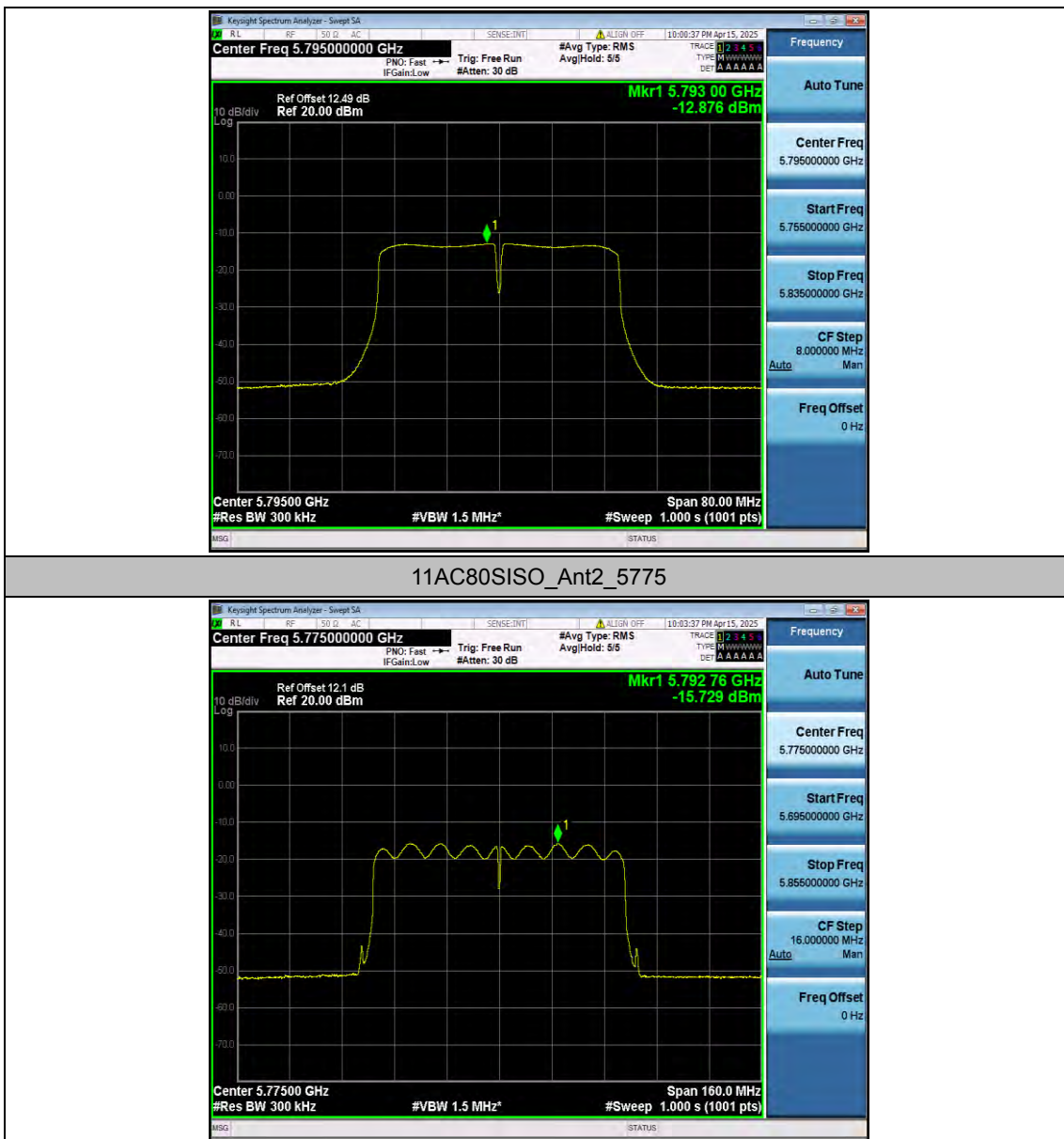
11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



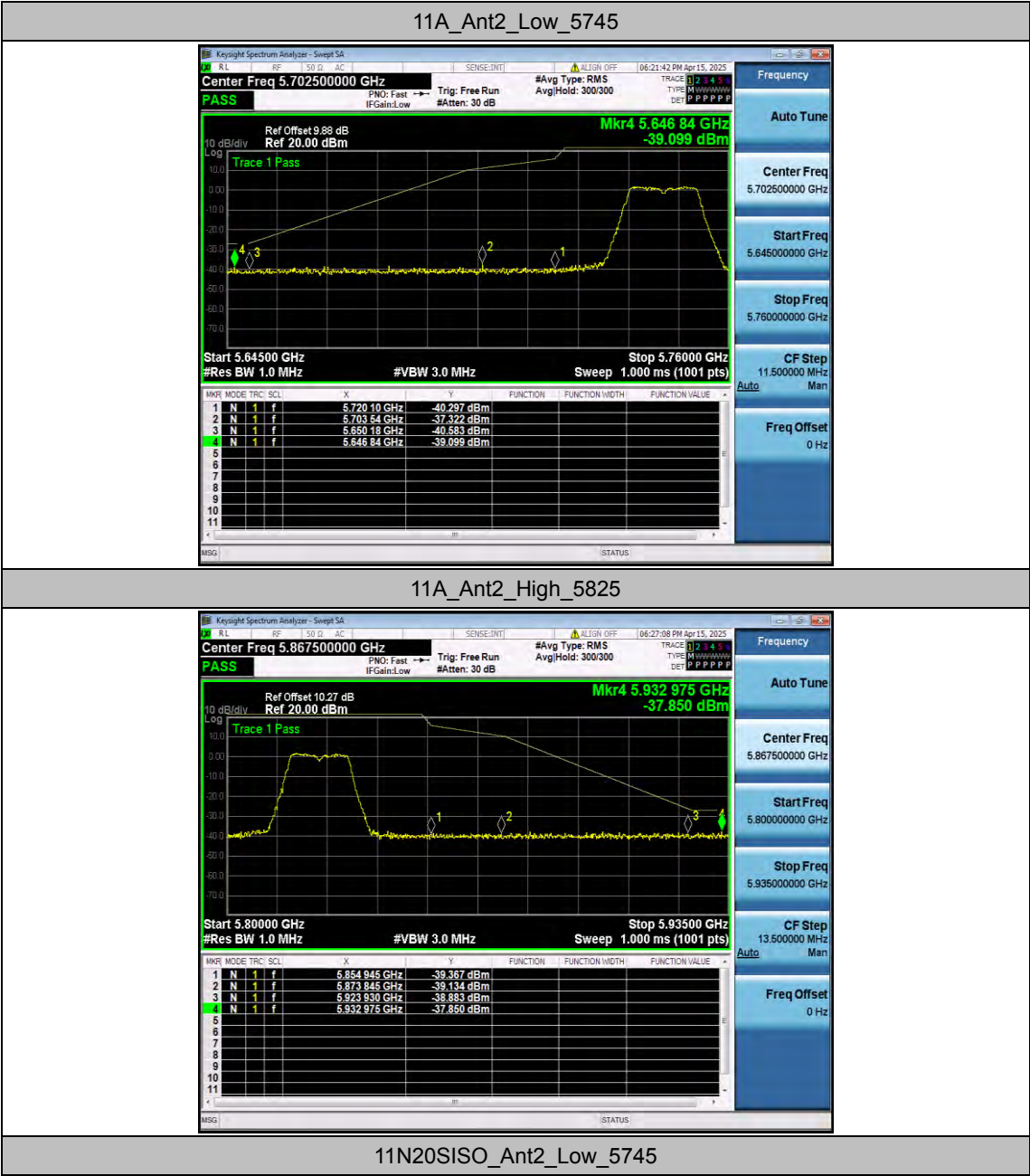
Appendix E.6: Band edge measurements

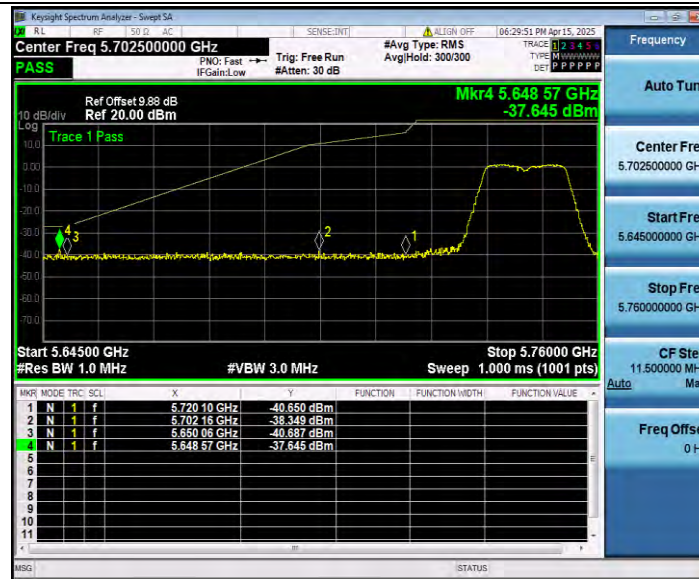
Test Result B4

TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	Low	5745	5650~5700	-40.58	≤-26.87	PASS
				5700~5720	-37.32	≤10.99	PASS
				5720~5725	-40.3	≤15.82	PASS
				5760~5650	-39.1	≤-27	PASS
		High	5825	5850~5855	-39.37	≤15.73	PASS
				5855~5875	-39.13	≤10.32	PASS
				5875~5925	-38.88	≤-26.21	PASS
				5925~5935	-37.85	≤-27	PASS
11N20SI SO	Ant2	Low	5745	5650~5700	-40.69	≤-26.96	PASS
				5700~5720	-38.35	≤10.60	PASS
				5720~5725	-40.65	≤15.82	PASS
				5760~5650	-37.65	≤-27	PASS
		High	5825	5850~5855	-39.9	≤16.03	PASS
				5855~5875	-38.05	≤10.10	PASS
				5875~5925	-39.03	≤-26.91	PASS
				5925~5935	-38.2	≤-27	PASS
11N40SI SO	Ant2	Low	5755	5650~5700	-39.51	≤-26.90	PASS
				5700~5720	-39.33	≤10.14	PASS
				5720~5725	-39.82	≤15.74	PASS
				5780~5650	-39.45	≤-27	PASS
		High	5795	5850~5855	-39.8	≤15.66	PASS
				5855~5875	-38.27	≤11.08	PASS
				5875~5925	-39.36	≤-26.71	PASS
				5925~5935	-38.49	≤-27	PASS
11AC20S ISO	Ant2	Low	5745	5650~5700	-40.02	≤-26.27	PASS
				5700~5720	-39.16	≤10.38	PASS
				5720~5725	-40.93	≤15.82	PASS
				5760~5650	-38.83	≤-27	PASS
		High	5825	5850~5855	-40.66	≤15.73	PASS
				5855~5875	-38	≤11.08	PASS
				5875~5925	-38.33	≤-25.51	PASS
				5925~5935	-37.77	≤-27	PASS
11AC40S ISO	Ant2	Low	5755	5650~5700	-39.47	≤-25.71	PASS
				5700~5720	-39.79	≤10.32	PASS
				5720~5725	-37.3	≤16.97	PASS
				5780~5650	-39.44	≤-27	PASS

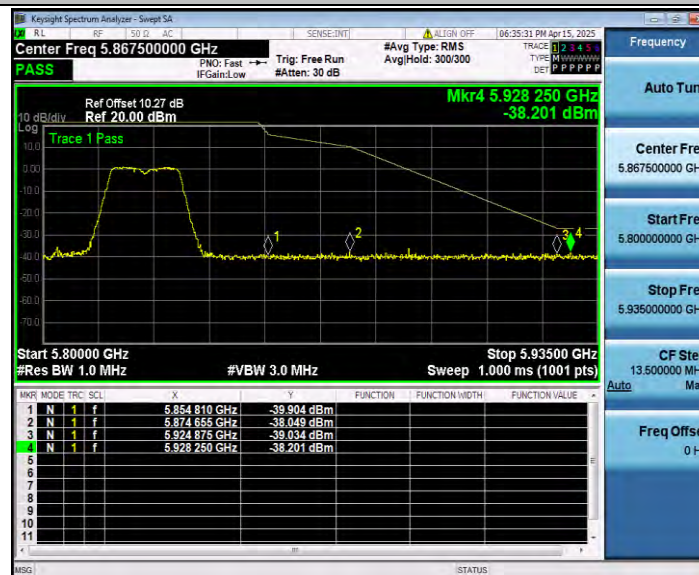
		High	5795	5850~5855	-38.71	≤ 16.41	PASS
				5855~5875	-37.44	≤ 10.99	PASS
				5875~5925	-39.52	≤ -26.46	PASS
				5925~5935	-37.86	≤ -27	PASS
11AC80S ISO	Ant2	Low	5775	5650~5700	-40.57	≤ -26.69	PASS
				5700~5720	-39.26	≤ 10.35	PASS
				5720~5725	-38.98	≤ 16.35	PASS
				5800~5650	-38.31	≤ -27	PASS
		High	5775	5850~5855	-39.26	≤ 15.84	PASS
				5855~5875	-37.6	≤ 11.54	PASS
				5875~5925	-40.57	≤ -26.87	PASS
				5925~5935	-39.18	≤ -27	PASS

Test Graphs B4

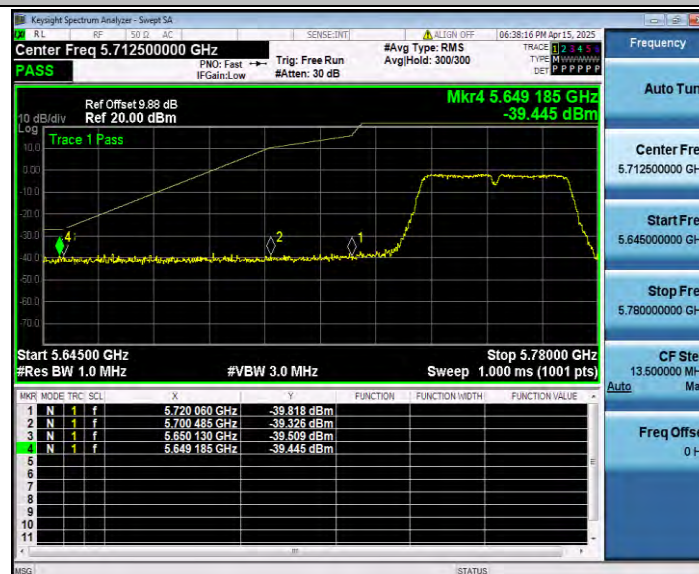




11N20SISO_Ant2_High_5825



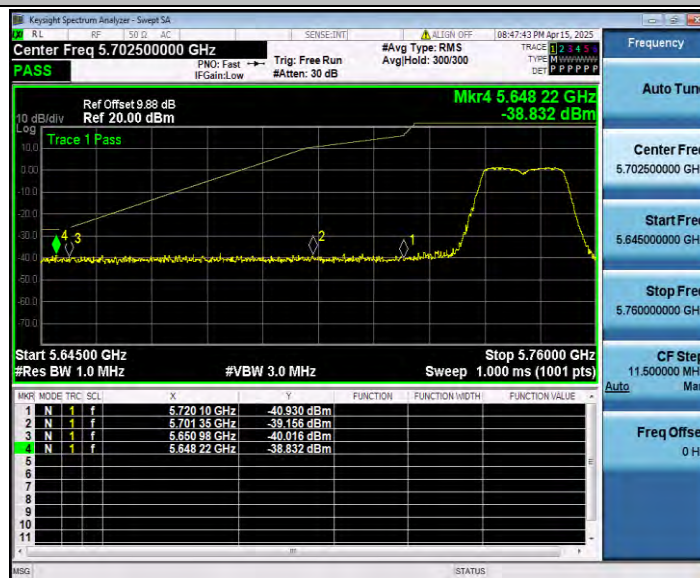
11N40SISO_Ant2_Low_5755



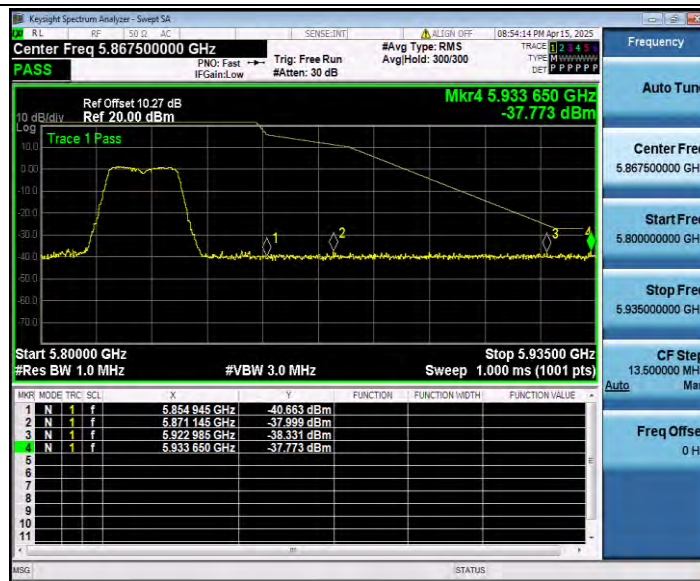
11N40SISO_Ant2_High_5795



11AC20SISO_Ant2_Low_5745



11AC20SISO_Ant2_High_5825



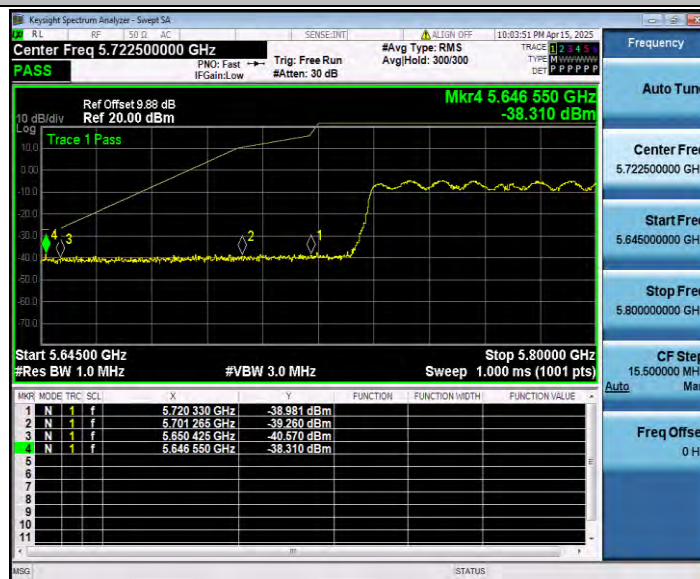
11AC40SISO_Ant2_Low_5755



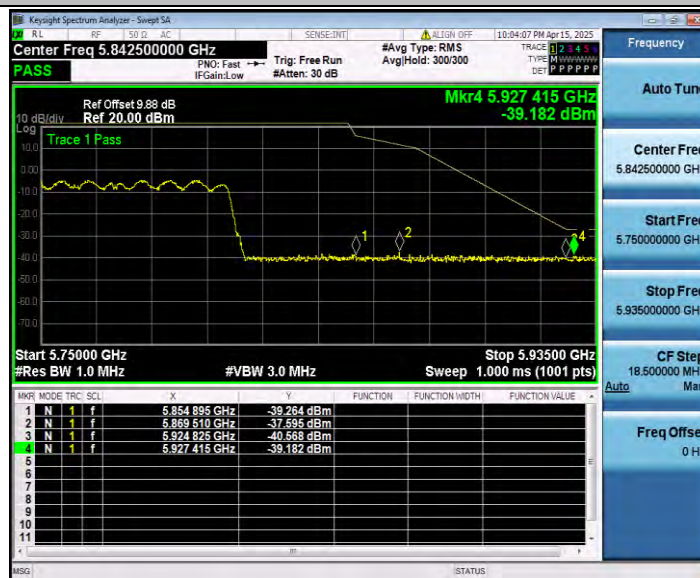
11AC40SISO_Ant2_High_5795



11AC80SISO_Ant2_Low_5775



11AC80SISO_Ant2_High_5775

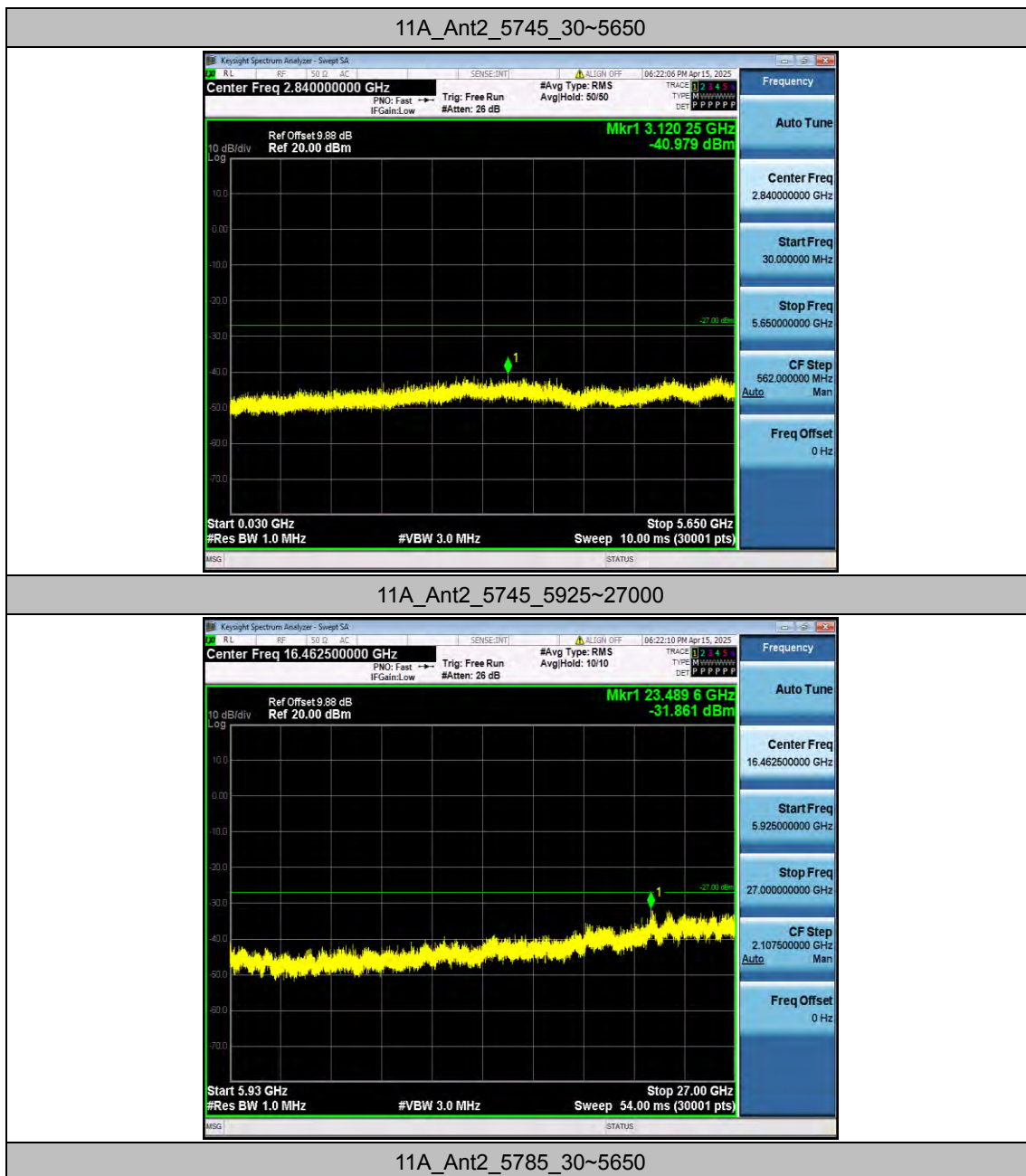


Appendix E.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant2	5745	30~5650	3120.25	-40.98	≤-27	PASS
			5925~27000	23489.61	-31.86	≤-27	PASS
		5785	30~5650	5478.22	-39.57	≤-27	PASS
			5925~27000	23519.82	-31.88	≤-27	PASS
		5825	30~5650	5537.41	-39.55	≤-27	PASS
			5925~27000	26011.58	-32.16	≤-27	PASS
11N20SISO	Ant2	5745	30~5650	5540.6	-40.65	≤-27	PASS
			5925~27000	25096.23	-31.6	≤-27	PASS
		5785	30~5650	2322.4	-38.32	≤-27	PASS
			5925~27000	24992.96	-30.55	≤-27	PASS
		5825	30~5650	5586.87	-39.98	≤-27	PASS
			5925~27000	25607.65	-31.48	≤-27	PASS
11N40SISO	Ant2	5755	30~5650	5400.1	-40.12	≤-27	PASS
			5925~27000	26064.27	-31.58	≤-27	PASS
		5795	30~5650	5509.5	-40.64	≤-27	PASS
			5925~27000	25980.67	-32.11	≤-27	PASS
11AC20SISO	Ant2	5745	30~5650	2923.93	-40.62	≤-27	PASS
			5925~27000	26499.12	-31.79	≤-27	PASS
		5785	30~5650	2666.72	-40.27	≤-27	PASS
			5925~27000	24267.28	-30.64	≤-27	PASS
		5825	30~5650	3302.34	-40.04	≤-27	PASS
			5925~27000	25581.65	-31.82	≤-27	PASS
11AC40SISO	Ant2	5755	30~5650	5413.4	-40.14	≤-27	PASS
			5925~27000	24298.89	-32.01	≤-27	PASS
		5795	30~5650	5414.9	-39.96	≤-27	PASS
			5925~27000	23549.32	-30.93	≤-27	PASS
11AC80SISO	Ant2	5775	30~5650	5472.6	-40.58	≤-27	PASS
			5925~27000	24154.17	-30.79	≤-27	PASS

Test Graphs

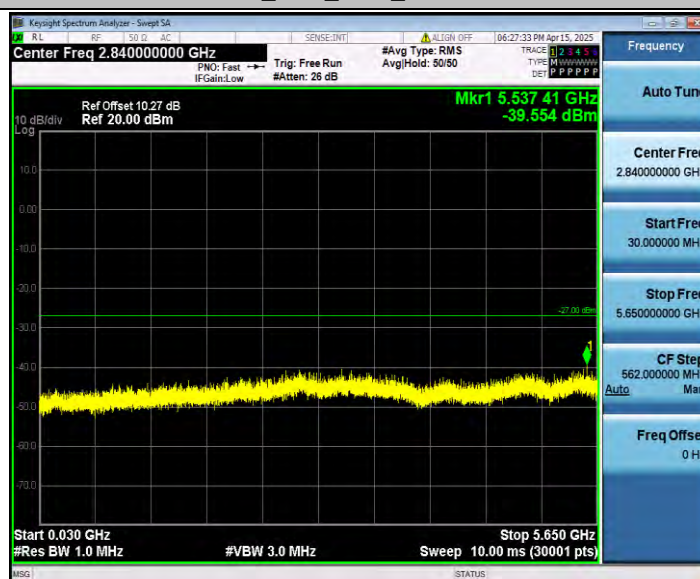




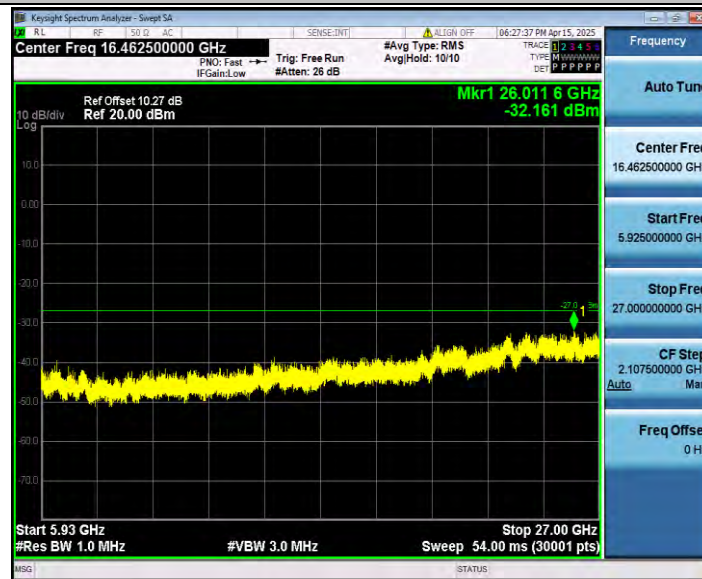
11A_Ant2_5785_5925~27000



11A_Ant2_5825_30~5650



11A_Ant2_5825_5925~27000



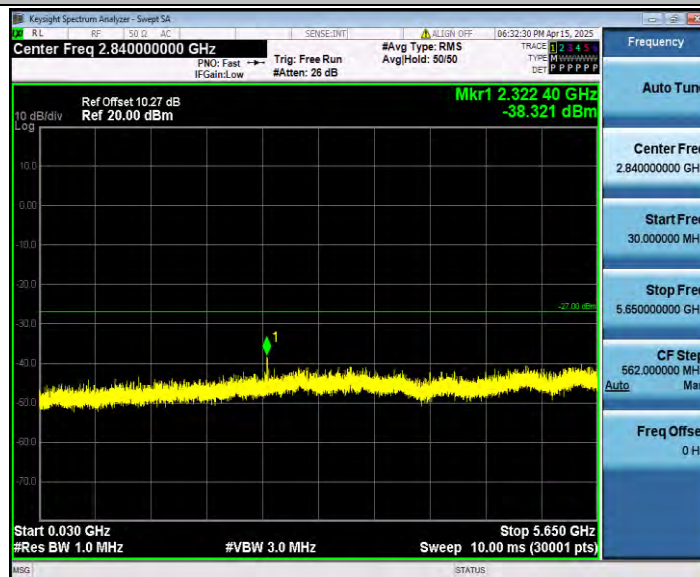
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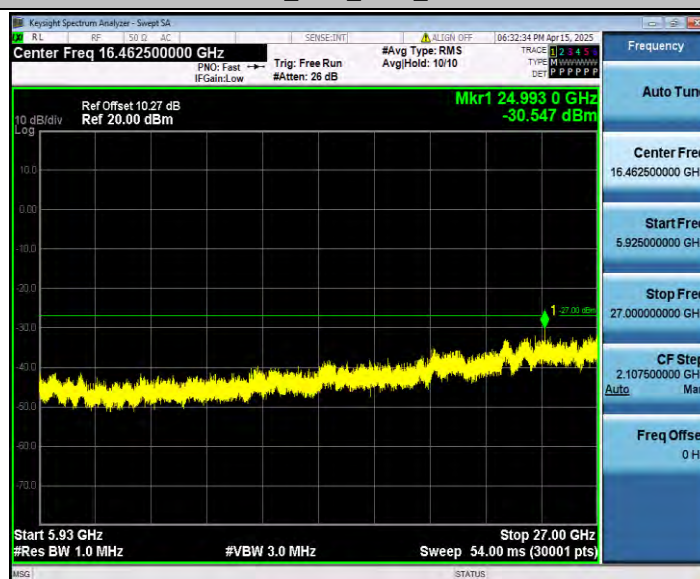
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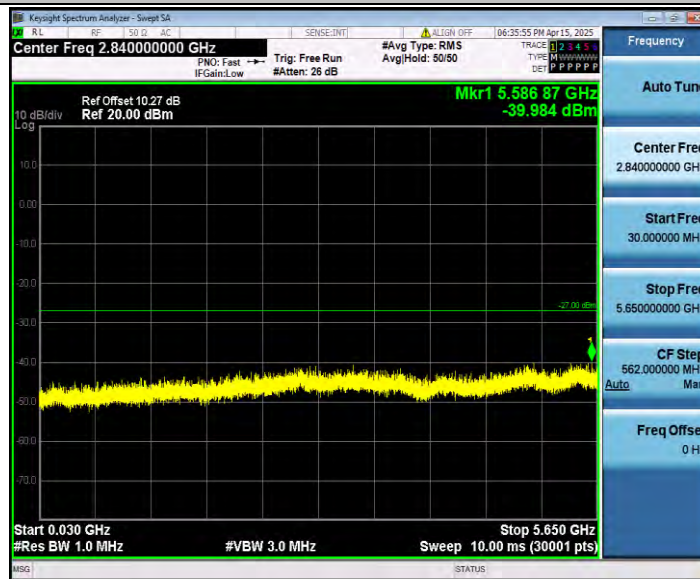
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11N20SISO_Ant2_5785_5925~27000



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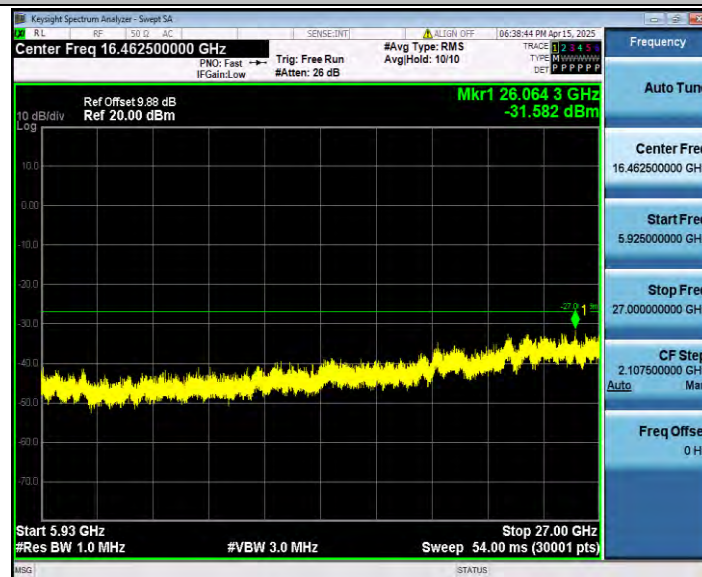
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11N40SISO_Ant2_5755_30~5650



11N40SISO_Ant2_5755_5925~27000



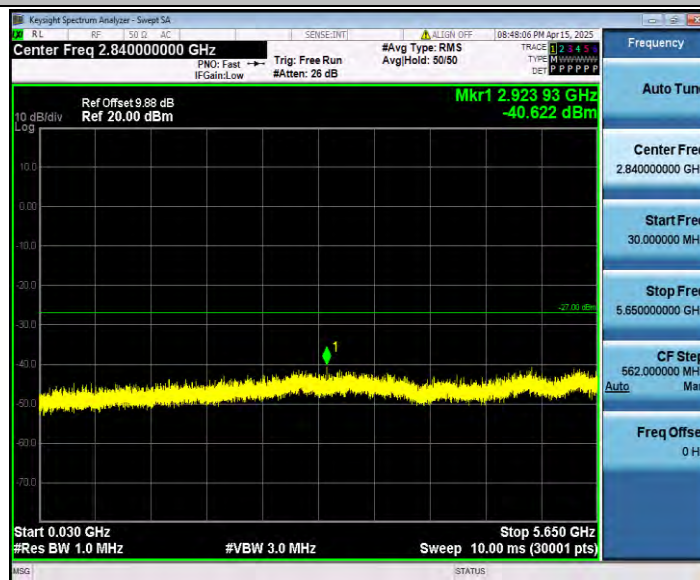
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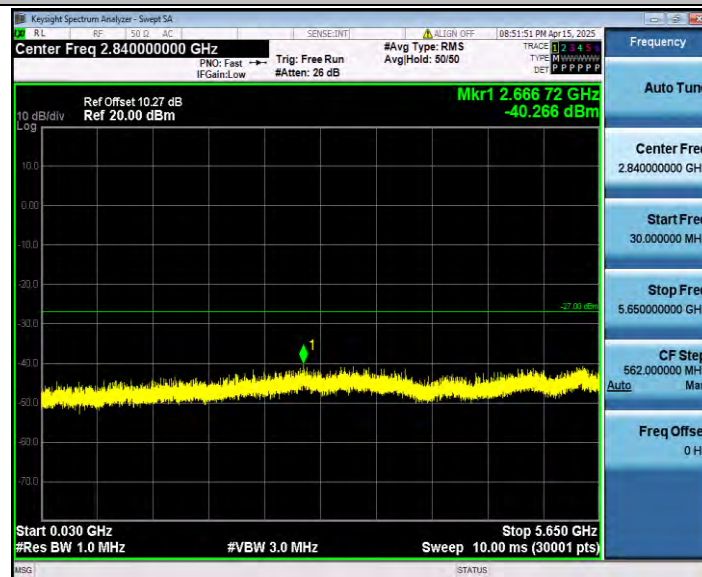
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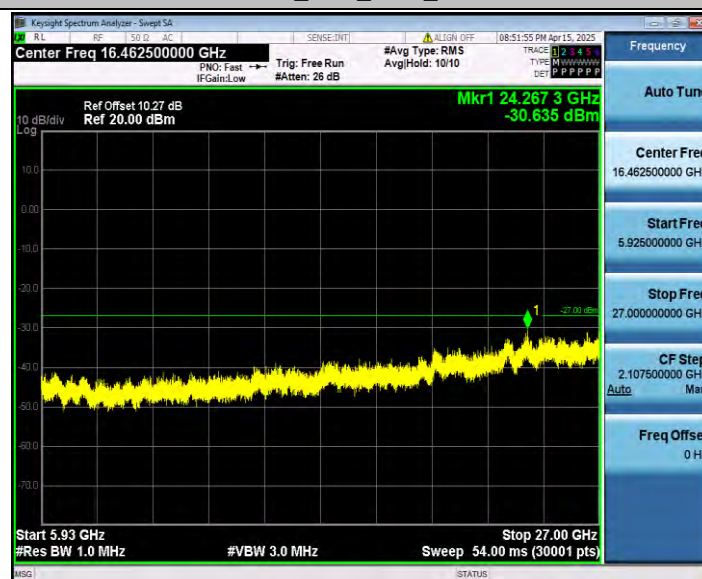
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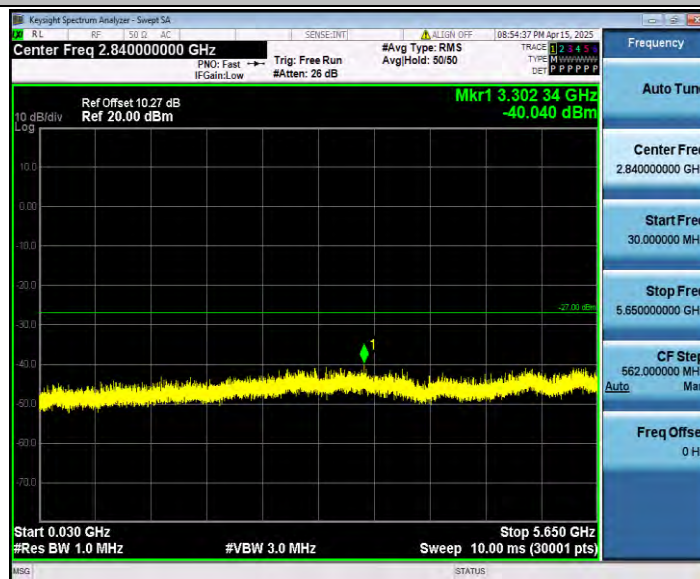
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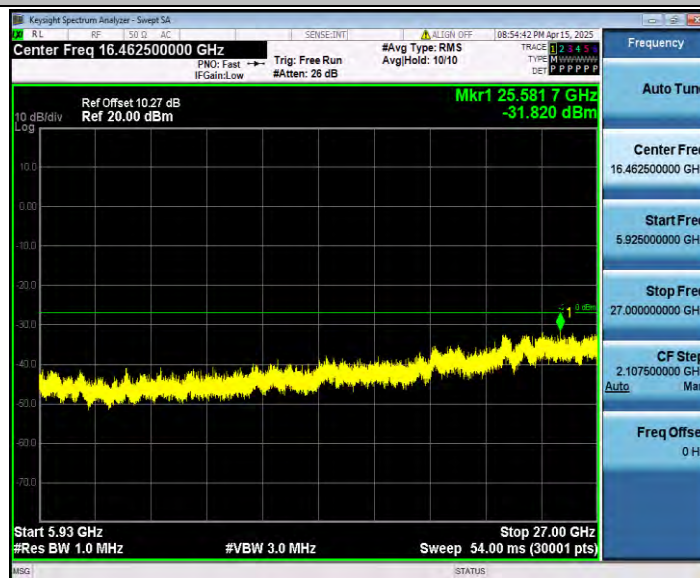
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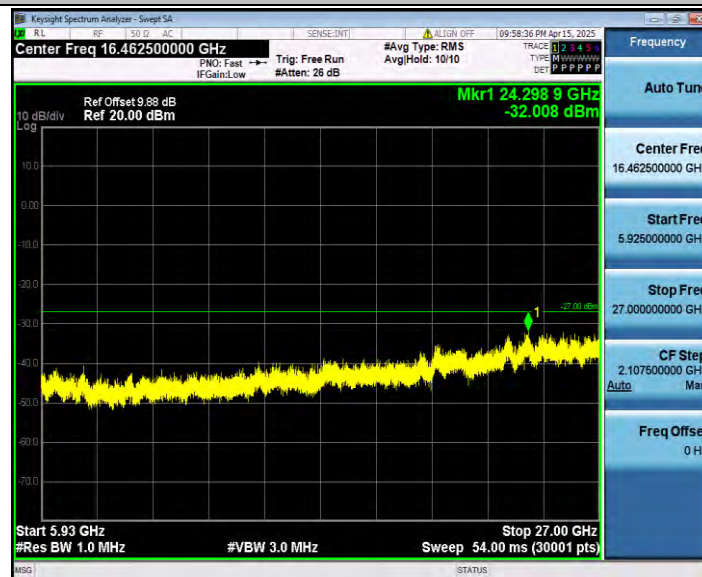
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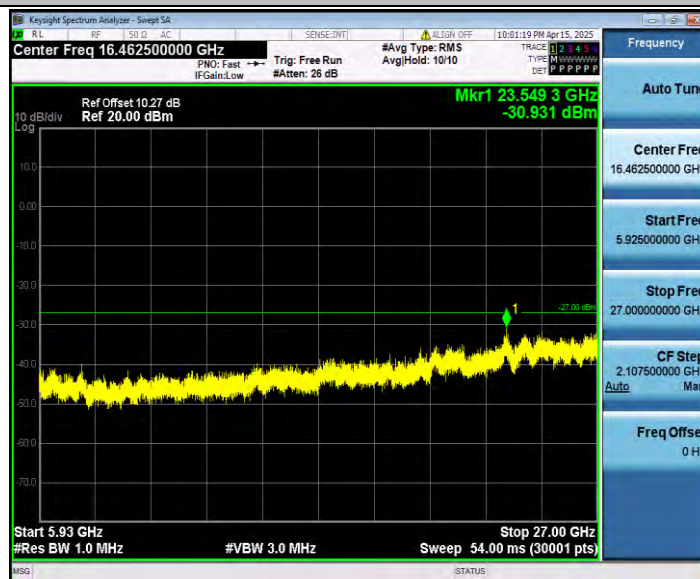
11AC40SISO_Ant2_5755_5925~27000



11AC40SISO_Ant2_5795_30~5650



11AC40SISO_Ant2_5795_5925~27000



11AC80SISO_Ant2_5775_30~5650



11AC80SISO_Ant2_5775_5925~27000

