

Case No. : <u>GTS20250319016-1-11</u>	
Ambient Condition: <u>22</u> °C, <u>51</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.4.14</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	Ant1	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	Ant1	5745	17.640	5736.120	5753.760	0.5	PASS
		5785	17.680	5776.120	5793.800	0.5	PASS
		5825	17.680	5816.120	5833.800	0.5	PASS
11N40SISO	Ant1	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.480	5776.680	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.680	5736.120	5753.800	0.5	PASS
		5785	17.720	5776.080	5793.800	0.5	PASS
		5825	17.680	5816.080	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS
11AC80SISO	Ant1	5775	76.320	5736.760	5813.080	0.5	PASS

Test Graphs B4

11A_Ant1_5745



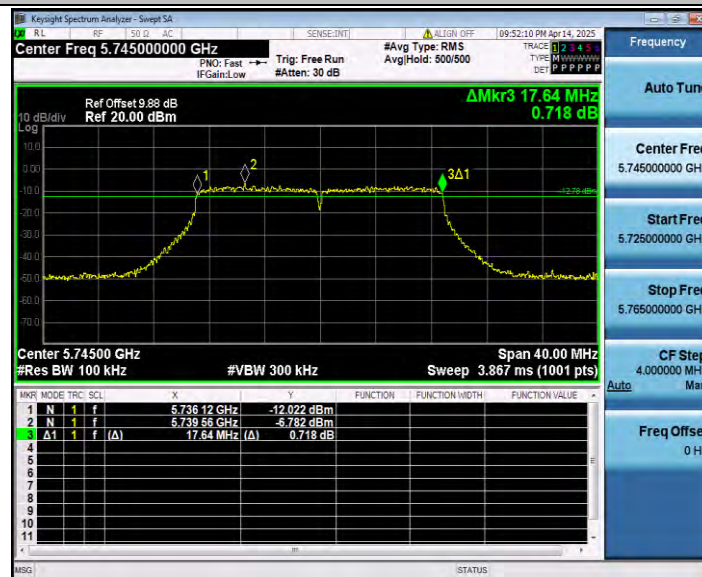
11A_Ant1_5785



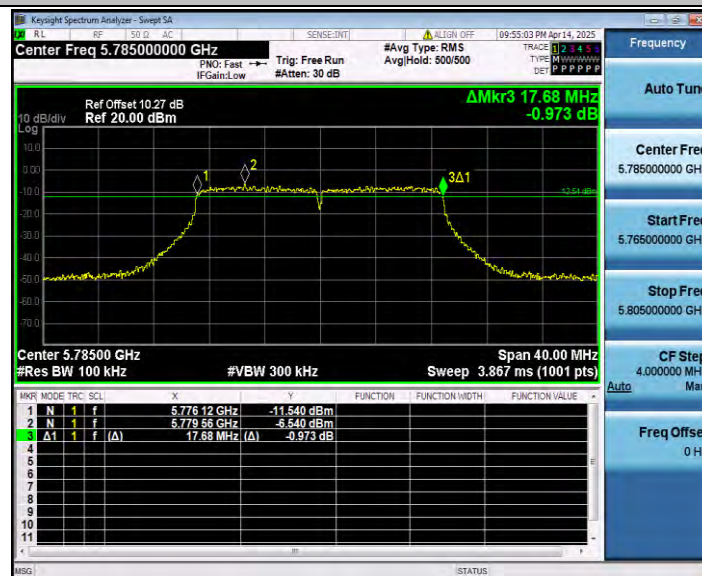
11A_Ant1_5825



11N20SISO_Ant1_5745



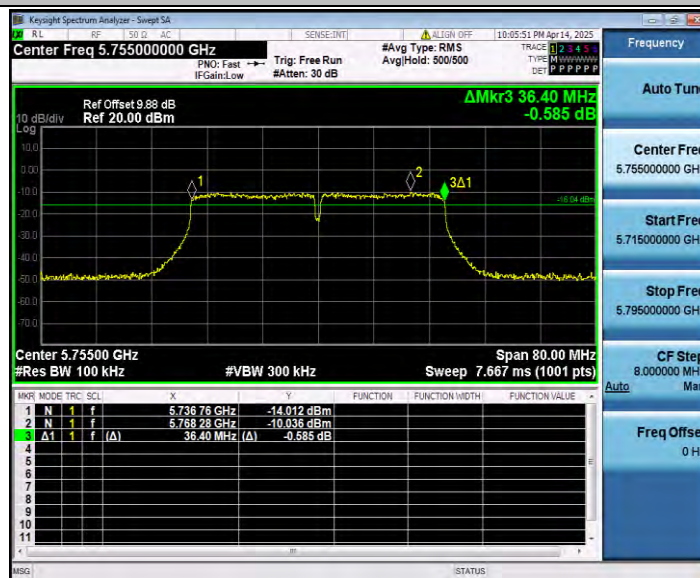
11N20SISO_Ant1_5785



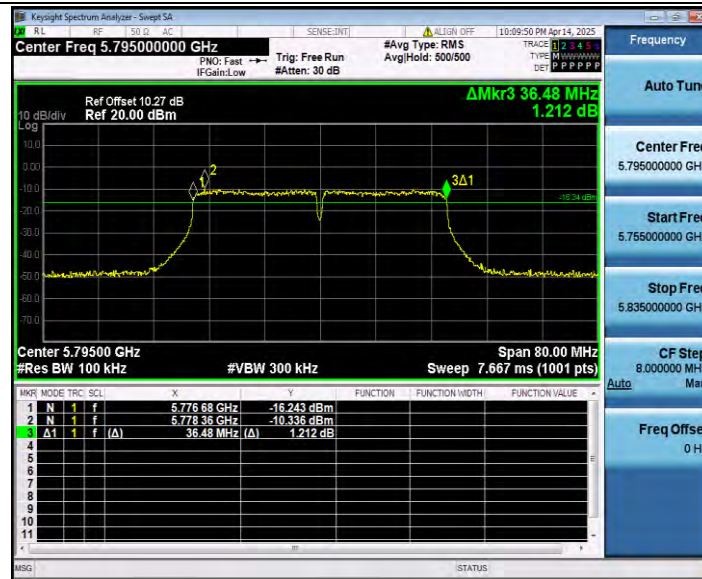
11N20SISO_Ant1_5825



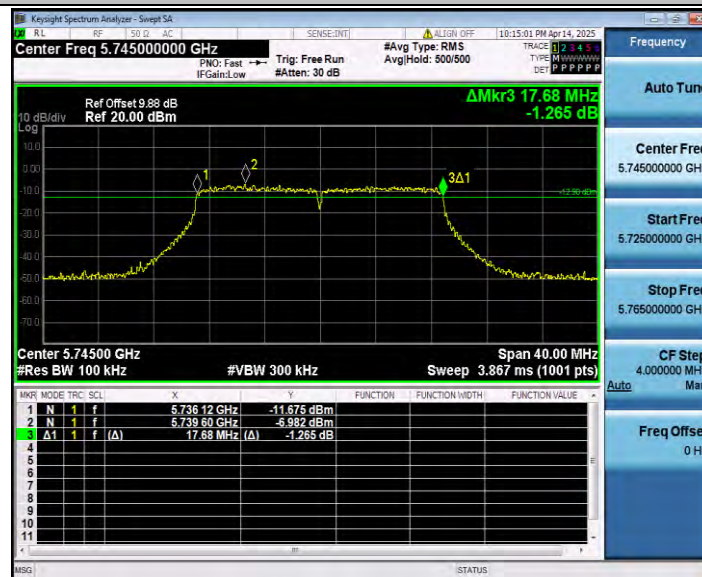
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



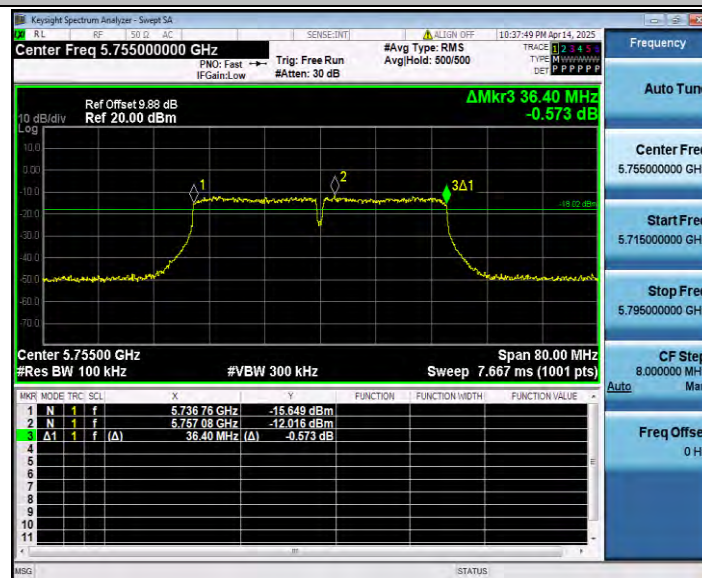
11AC20SISO_Ant1_5785



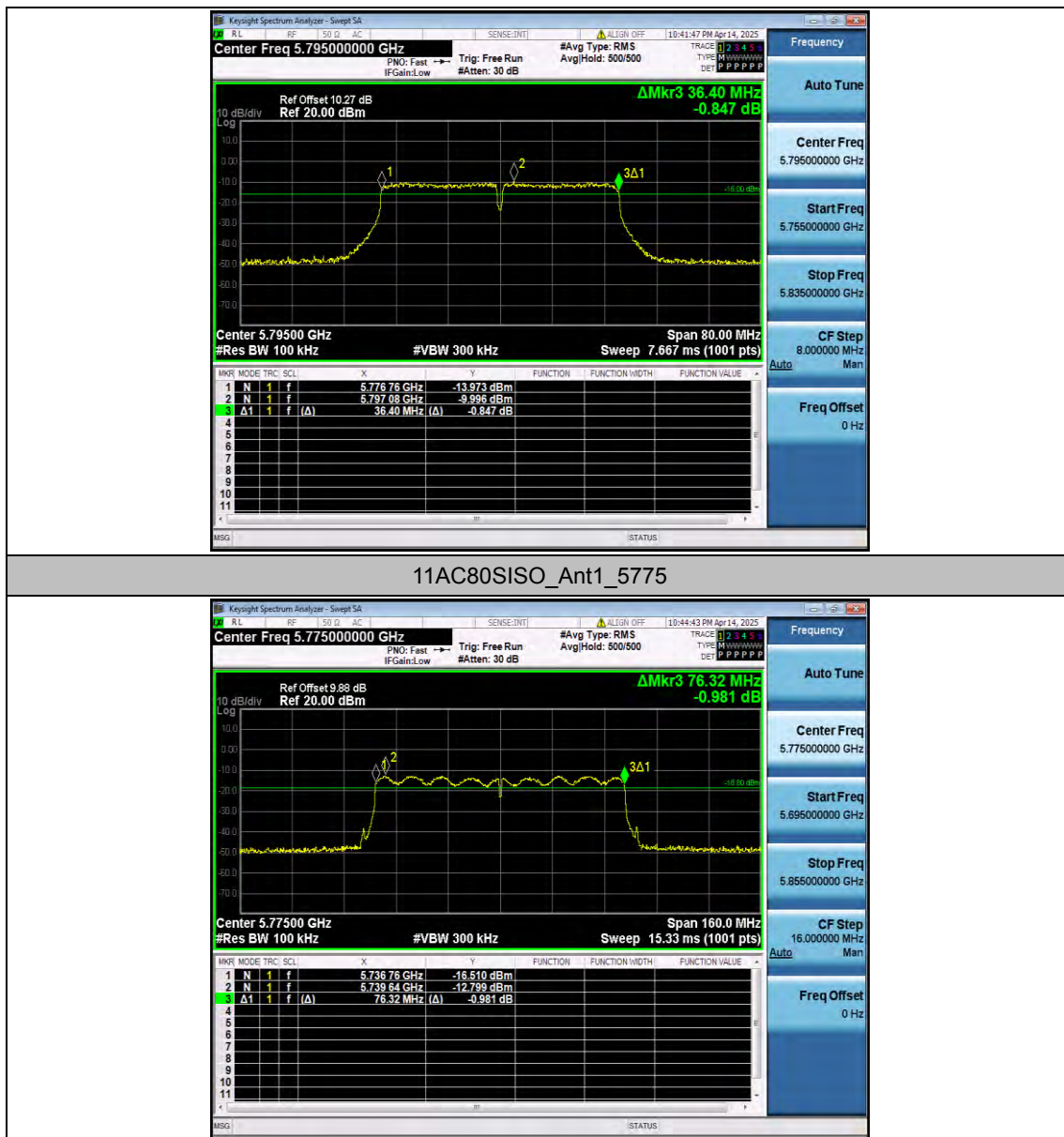
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



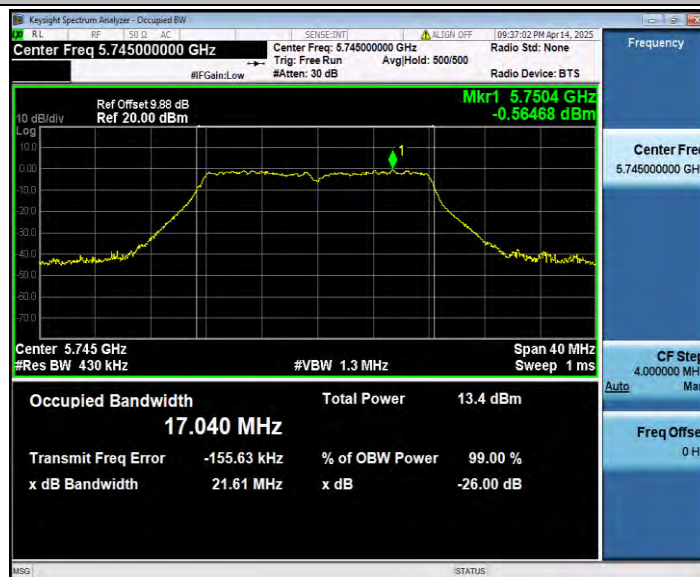
Appendix E.2: Occupied channel bandwidth

Test Result

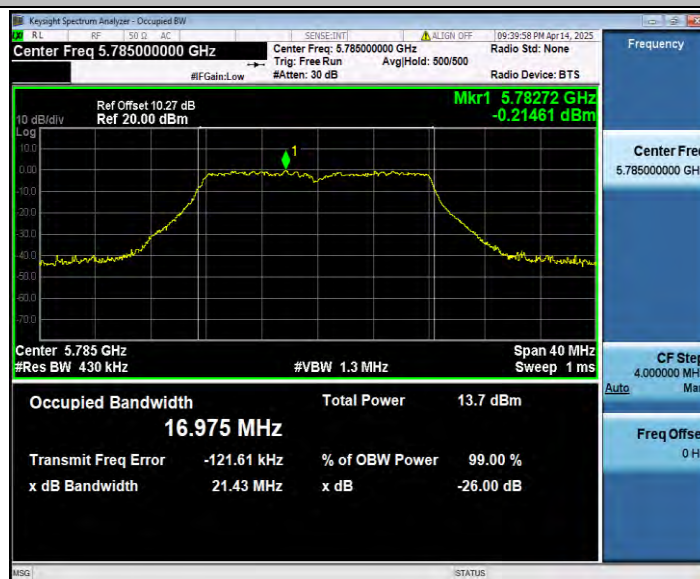
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.040	5736.3244	5753.3644	---	---
		5785	16.975	5776.3909	5793.3659	---	---
		5825	17.140	5816.2309	5833.3709	---	---
11N20SISO	Ant1	5745	18.059	5735.8885	5753.9475	---	---
		5785	18.018	5775.9338	5793.9518	---	---
		5825	18.053	5815.8682	5833.9212	---	---
11N40SISO	Ant1	5755	36.789	5736.5575	5773.3465	---	---
		5795	36.766	5776.5658	5813.3318	---	---
11AC20SISO	Ant1	5745	18.079	5735.8631	5753.9421	---	---
		5785	18.077	5775.8713	5793.9483	---	---
		5825	18.058	5815.8722	5833.9302	---	---
11AC40SISO	Ant1	5755	36.844	5736.5191	5773.3631	---	---
		5795	36.740	5776.5536	5813.2936	---	---
11AC80SISO	Ant1	5775	75.986	5736.9541	5812.9401	---	---

Test Graphs

11A_Ant1_5745



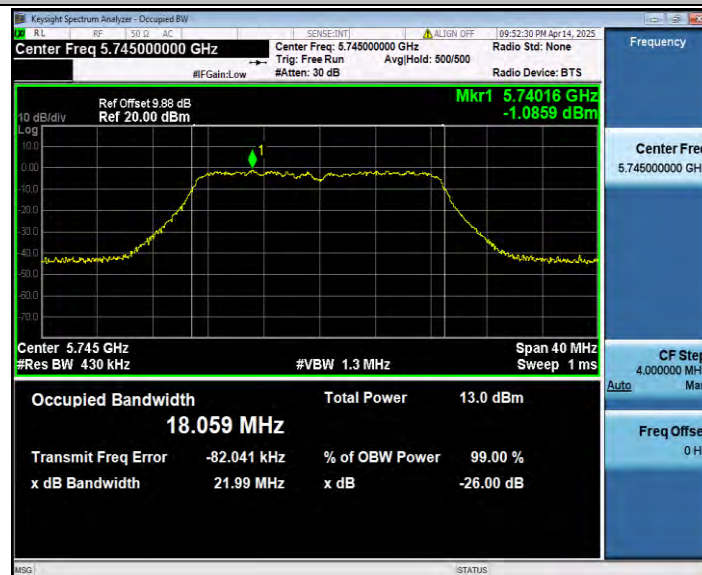
11A_Ant1_5785



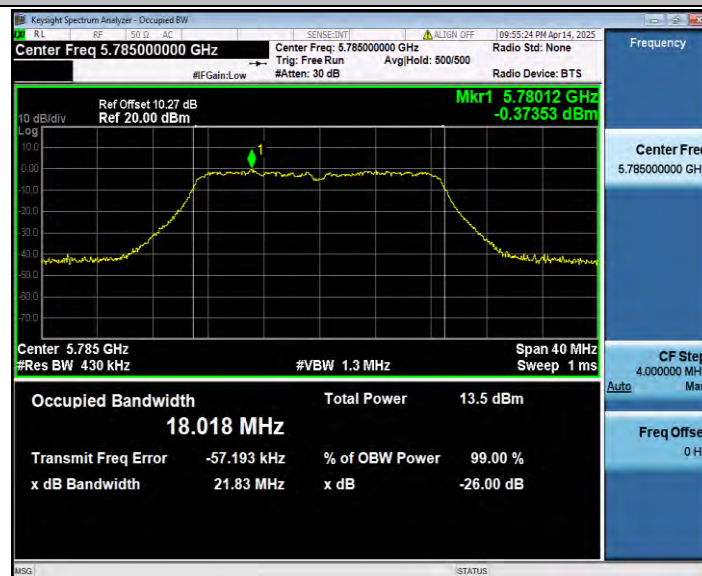
11A_Ant1_5825



11N20SISO_Ant1_5745



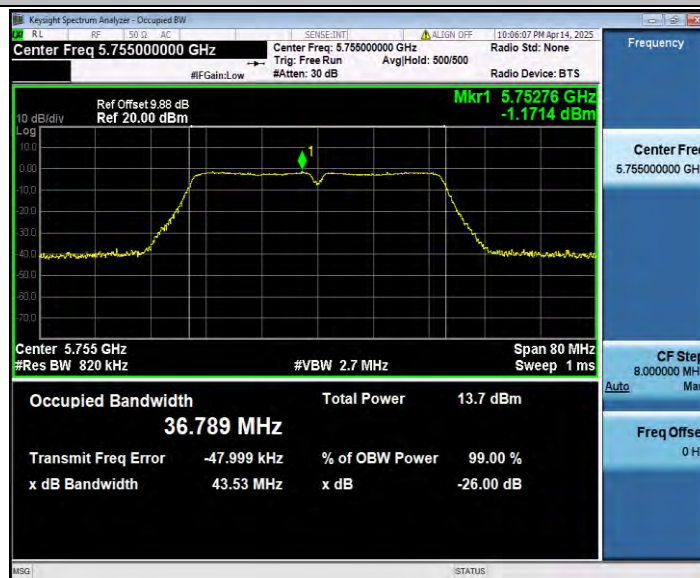
11N20SISO_Ant1_5785



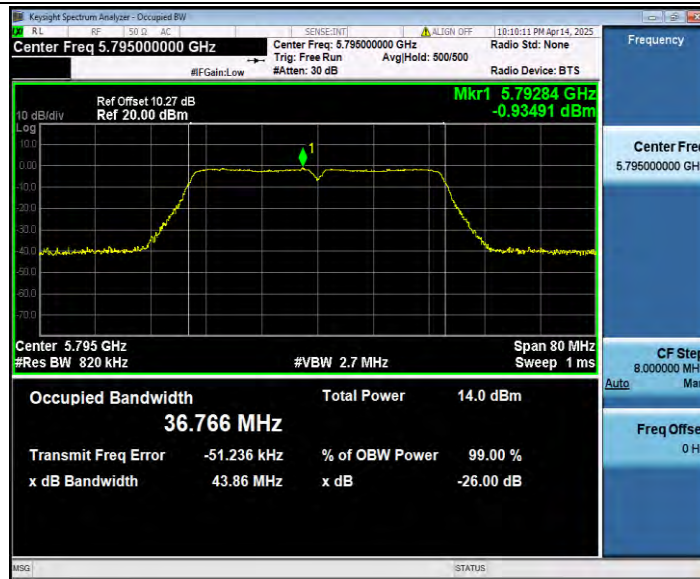
11N20SISO_Ant1_5825



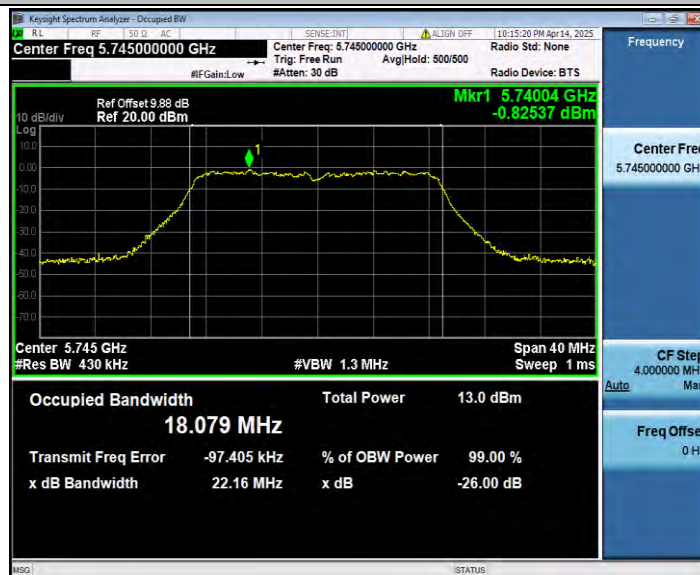
11N40SISO_Ant1_5755



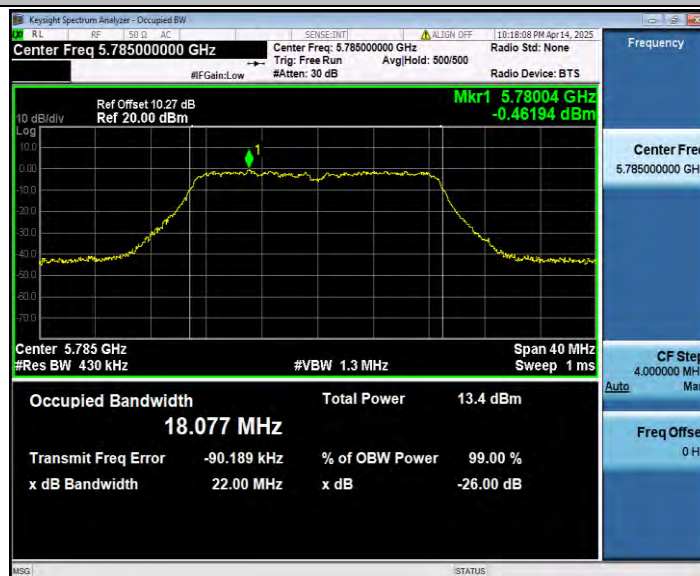
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



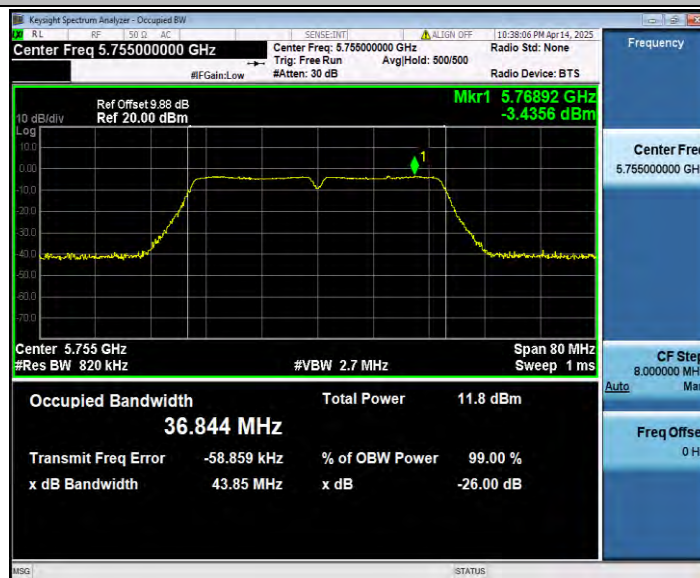
11AC20SISO_Ant1_5785



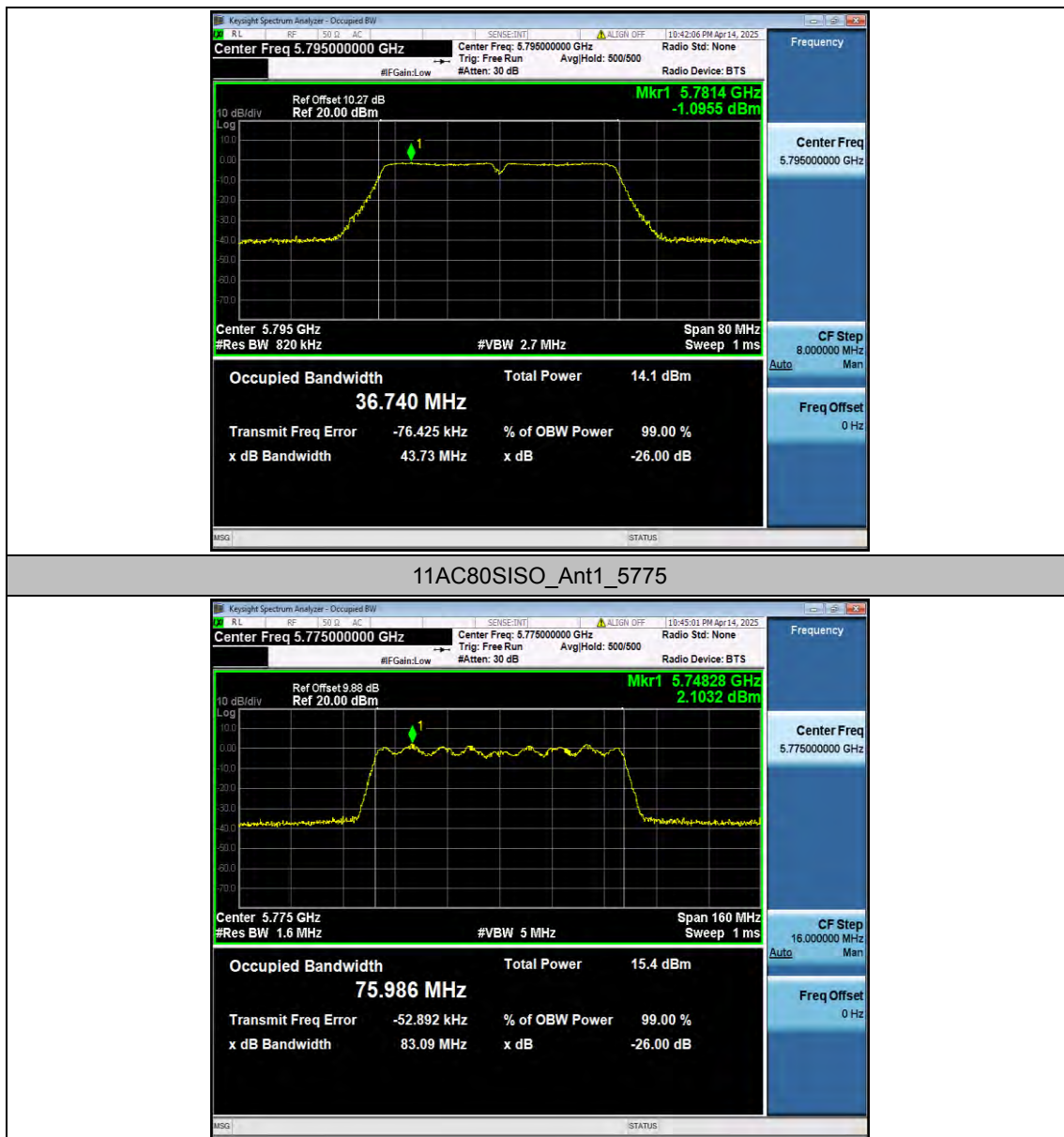
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



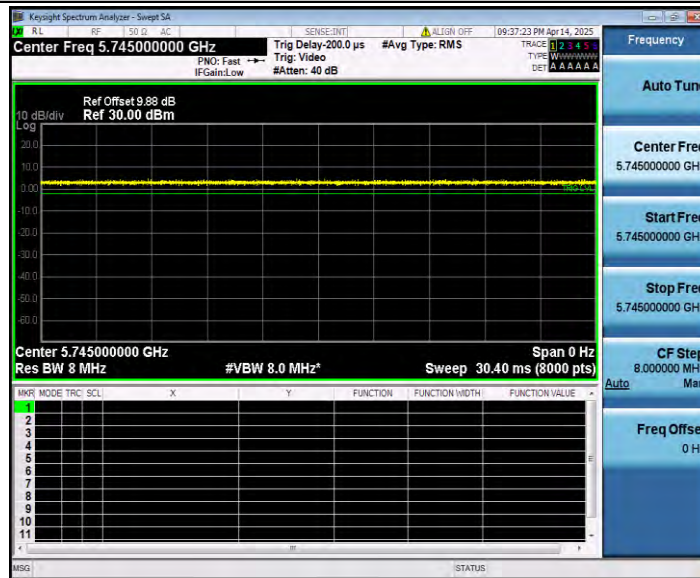
Appendix E 3: Duty Cycle

Test Result

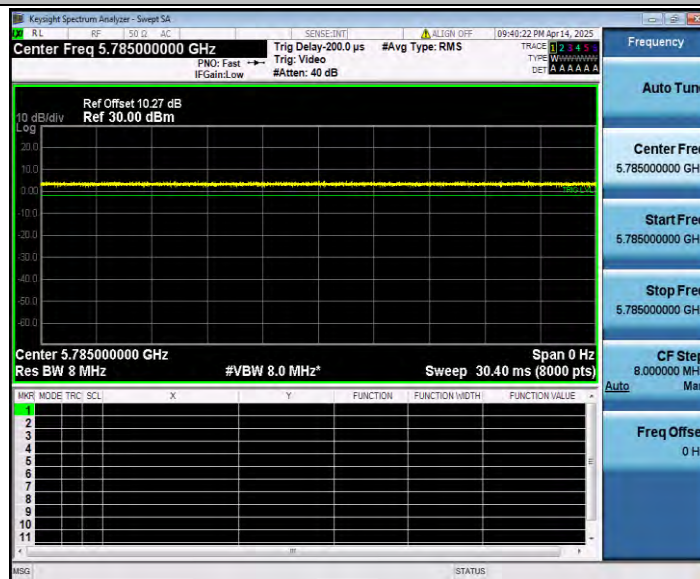
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	30.00	30.00	100.00	0.00	0.03
		5785	30.00	30.00	100.00	0.00	0.03
		5825	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant1	5745	30.00	30.00	100.00	0.00	0.03
		5785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

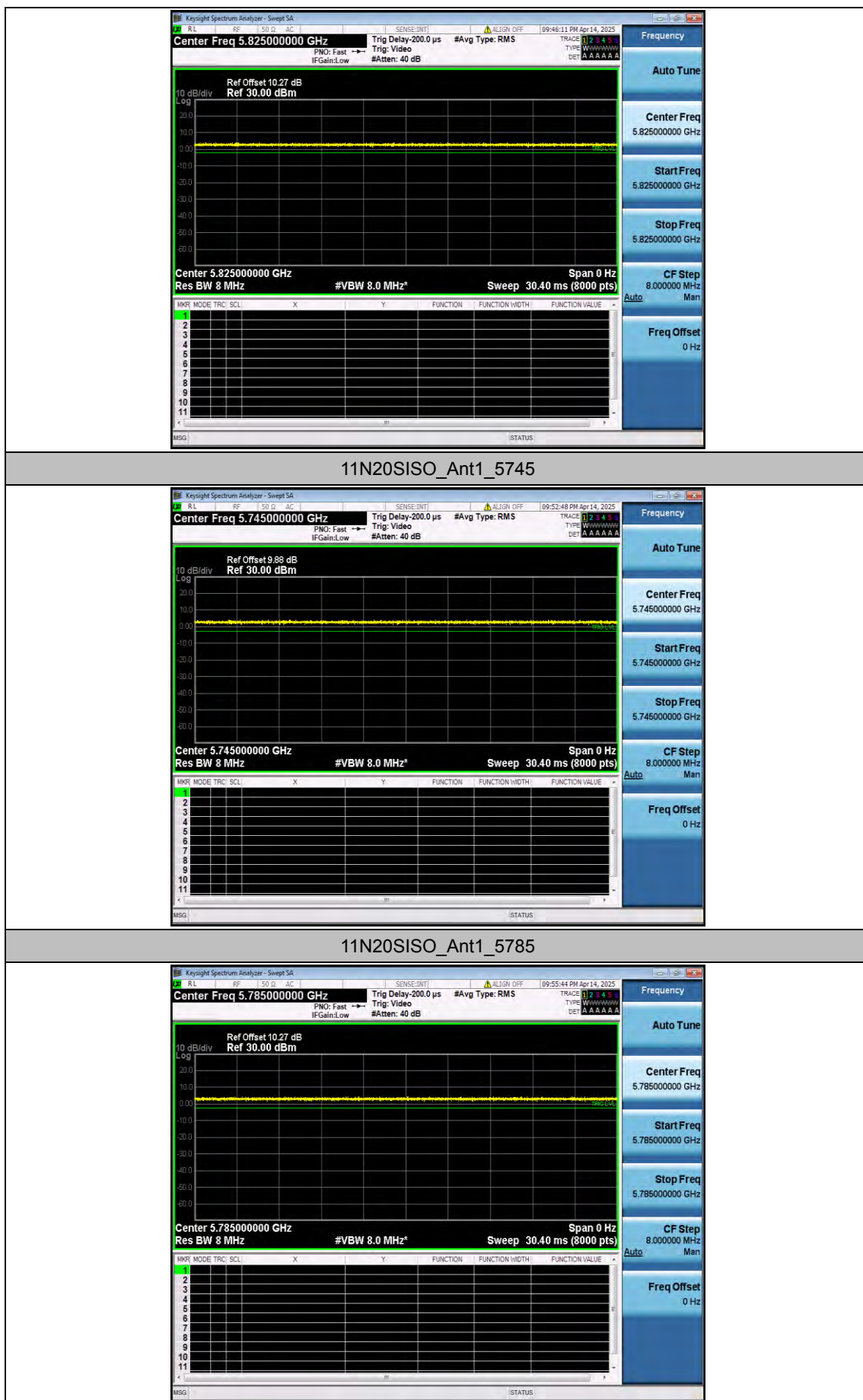
11A_Ant1_5745



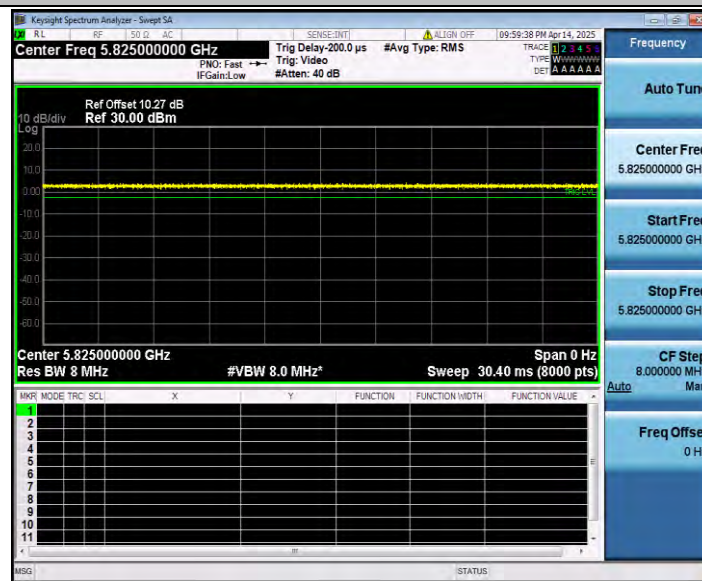
11A_Ant1_5785



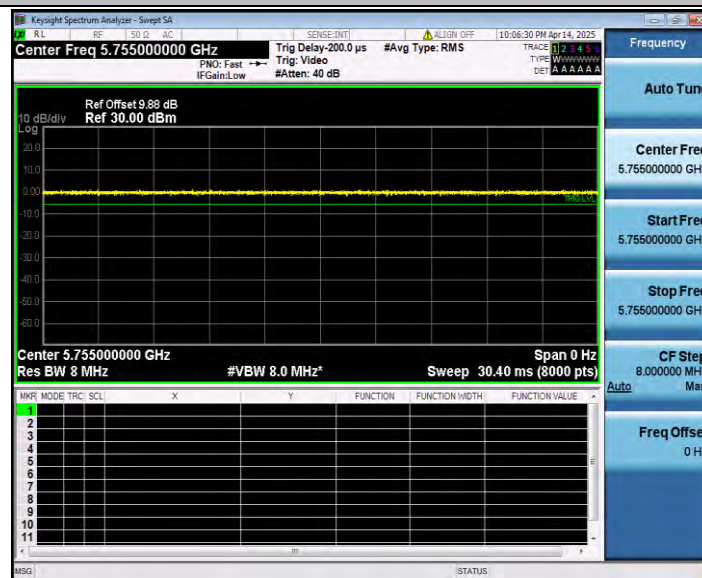
11A_Ant1_5825



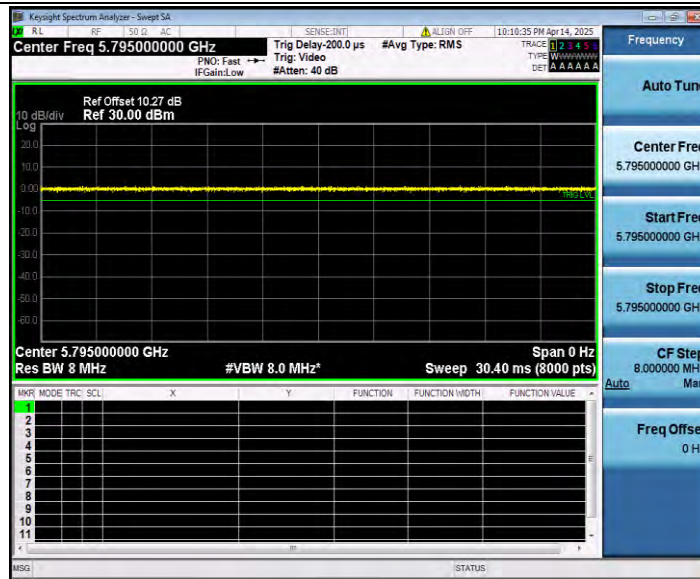
11N20SISO_Ant1_5825



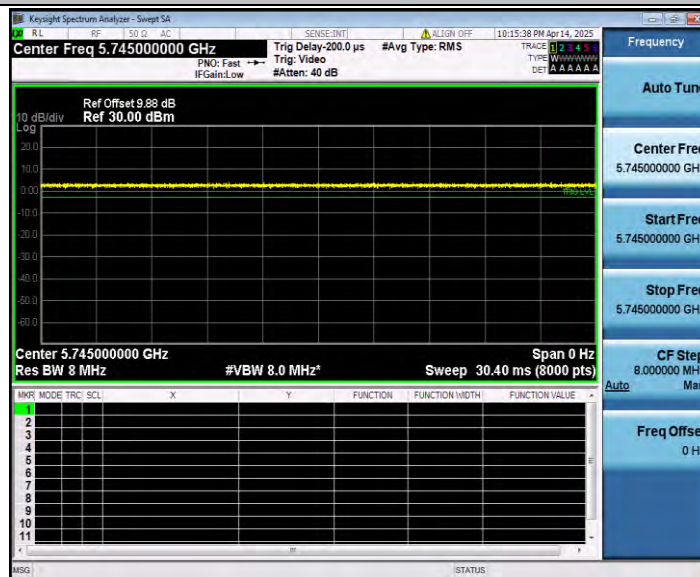
11N40SISO_Ant1_5755



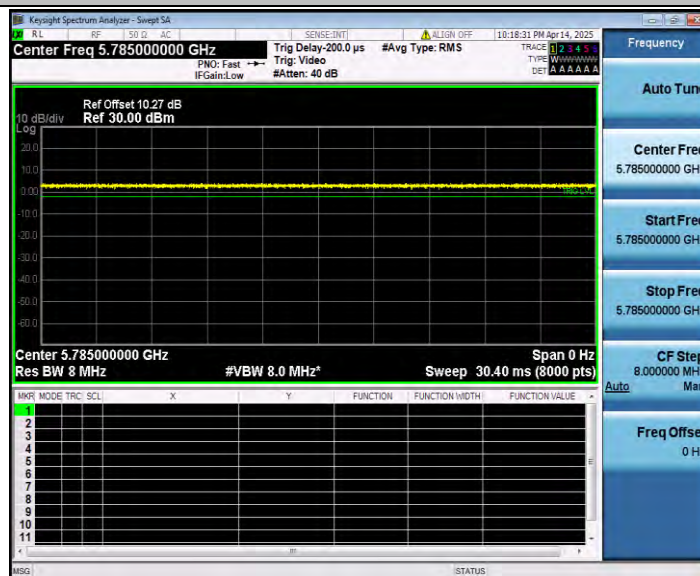
11N40SISO_Ant1_5795



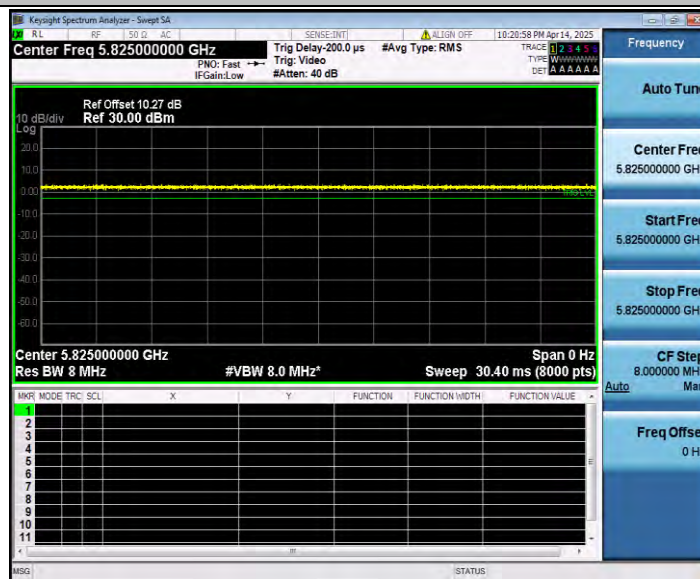
11AC20SISO_Ant1_5745



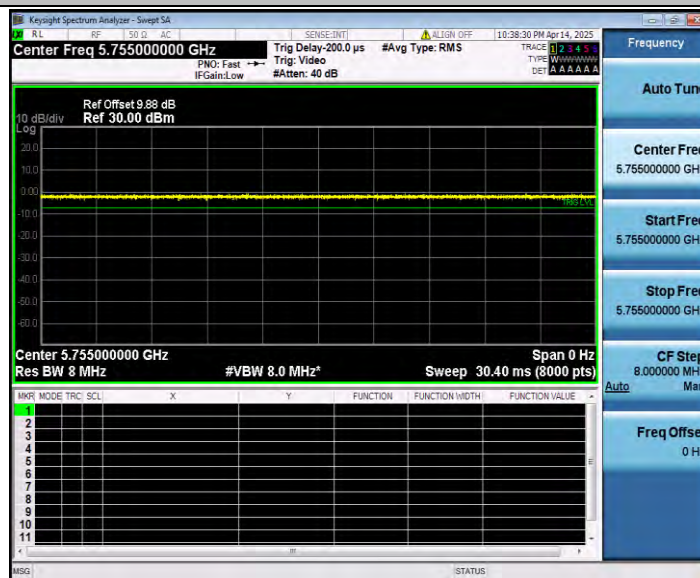
11AC20SISO_Ant1_5785



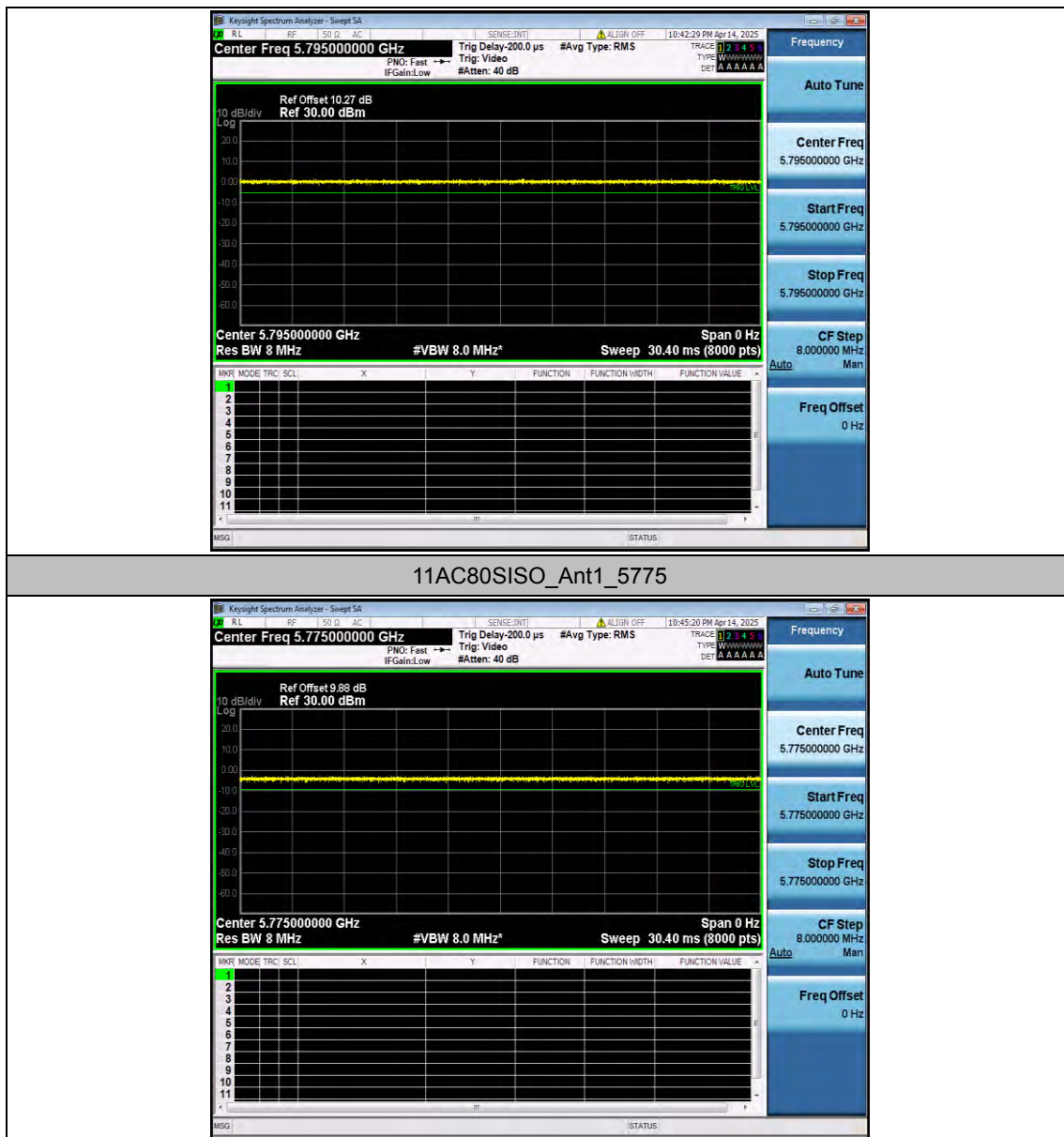
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_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	Ant1	5745	6.93	100.00	0.00	6.93	≤30.00	PASS
		5785	7.21	100.00	0.00	6.21	≤30.00	PASS
		5825	6.41	100.00	0.00	6.41	≤30.00	PASS
11N20SISO	Ant1	5745	6.45	100.00	0.00	6.45	≤30.00	PASS
		5785	6.88	100.00	0.00	6.88	≤30.00	PASS
		5825	6.83	100.00	0.00	6.83	≤30.00	PASS
11N40SISO	Ant1	5755	6.54	100.00	0.00	6.54	≤30.00	PASS
		5795	6.78	100.00	0.00	6.78	≤30.00	PASS
11AC20SISO	Ant1	5745	6.42	100.00	0.00	6.42	≤30.00	PASS
		5785	6.79	100.00	0.00	6.79	≤30.00	PASS
		5825	6.23	100.00	0.00	6.23	≤30.00	PASS
11AC40SISO	Ant1	5755	4.64	100.00	0.00	4.64	≤30.00	PASS
		5795	6.94	100.00	0.00	6.94	≤30.00	PASS
11AC80SISO	Ant1	5775	6.64	100.00	0.00	6.64	≤30.00	PASS

Appendix E.5: Maximum power spectral density

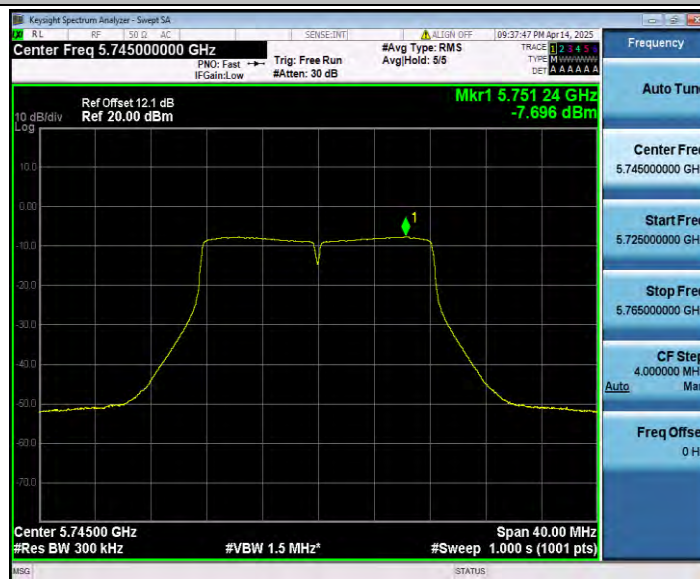
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-7.70	≤30.00	PASS
		5785	-7.30	≤30.00	PASS
		5825	-7.89	≤30.00	PASS
11N20SISO	Ant1	5745	-8.02	≤30.00	PASS
		5785	-7.68	≤30.00	PASS
		5825	-7.86	≤30.00	PASS
11N40SISO	Ant1	5755	-11.17	≤30.00	PASS
		5795	-10.83	≤30.00	PASS
11AC20SISO	Ant1	5745	-8.16	≤30.00	PASS
		5785	-7.79	≤30.00	PASS
		5825	-8.34	≤30.00	PASS
11AC40SISO	Ant1	5755	-13.01	≤30.00	PASS
		5795	-10.74	≤30.00	PASS
11AC80SISO	Ant1	5775	-13.11	≤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



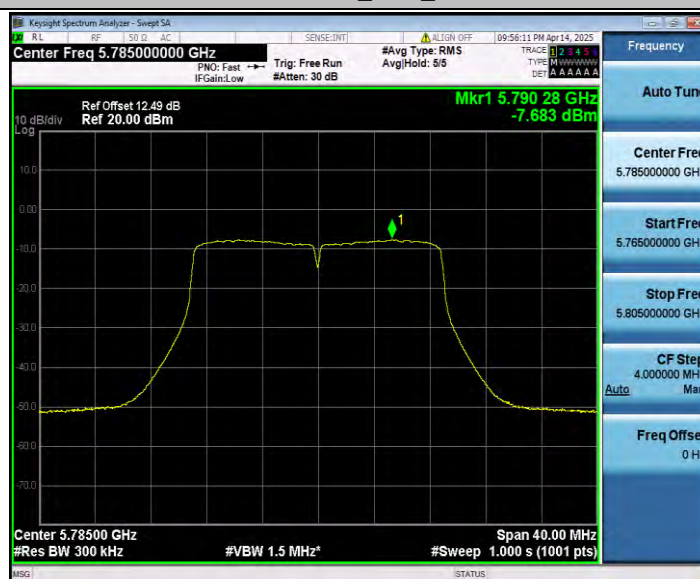
11A_Ant1_5825



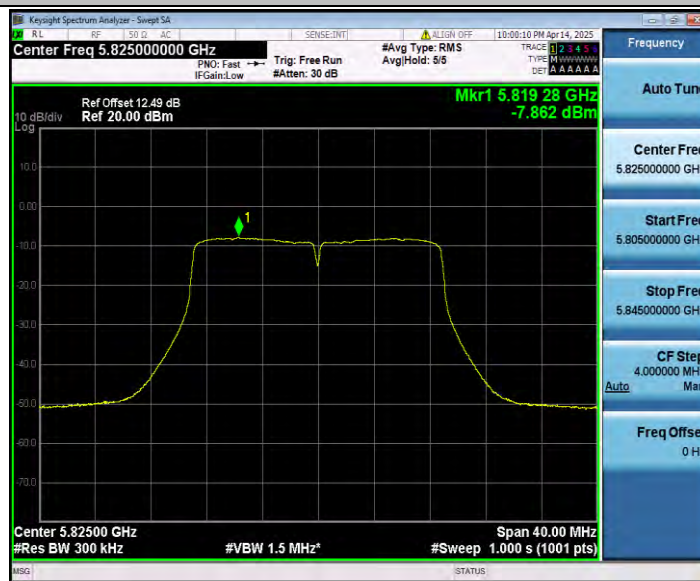
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



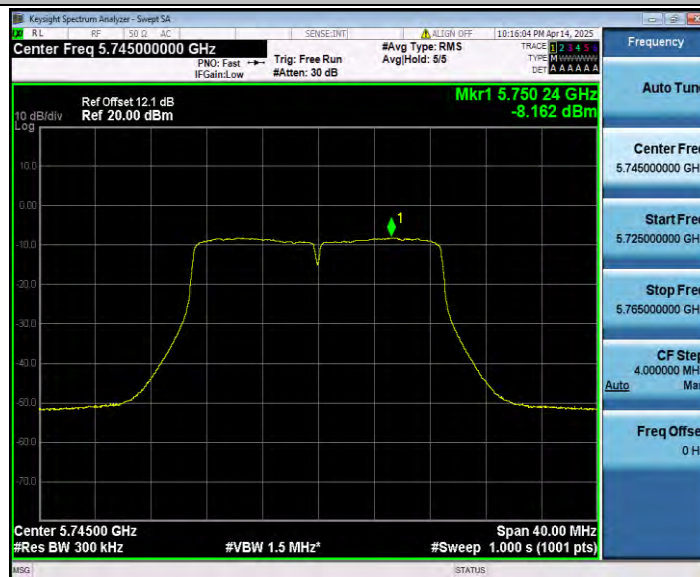
11N40SISO_Ant1_5755



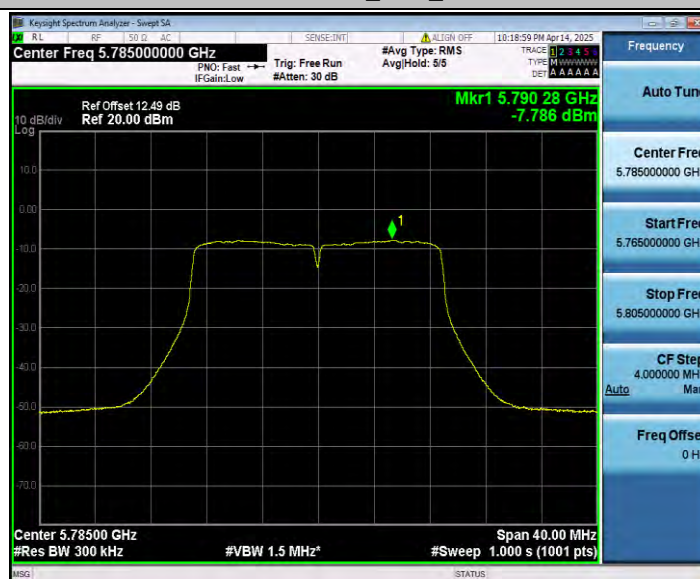
11N40SISO_Ant1_5795



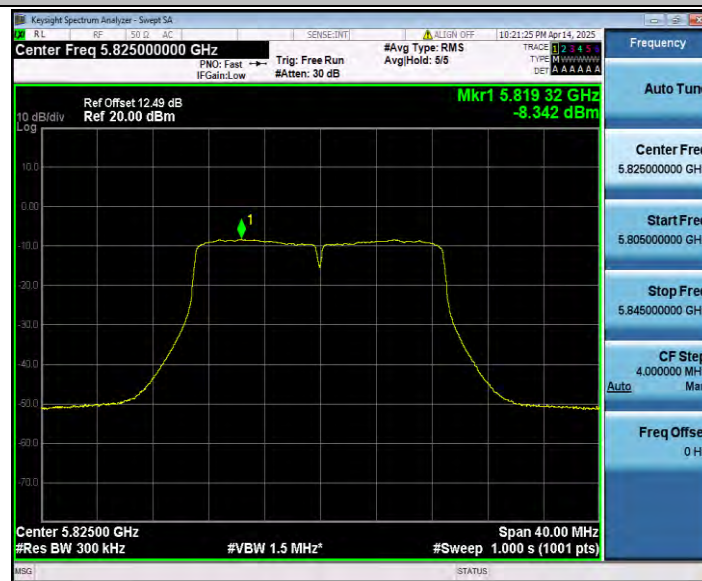
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



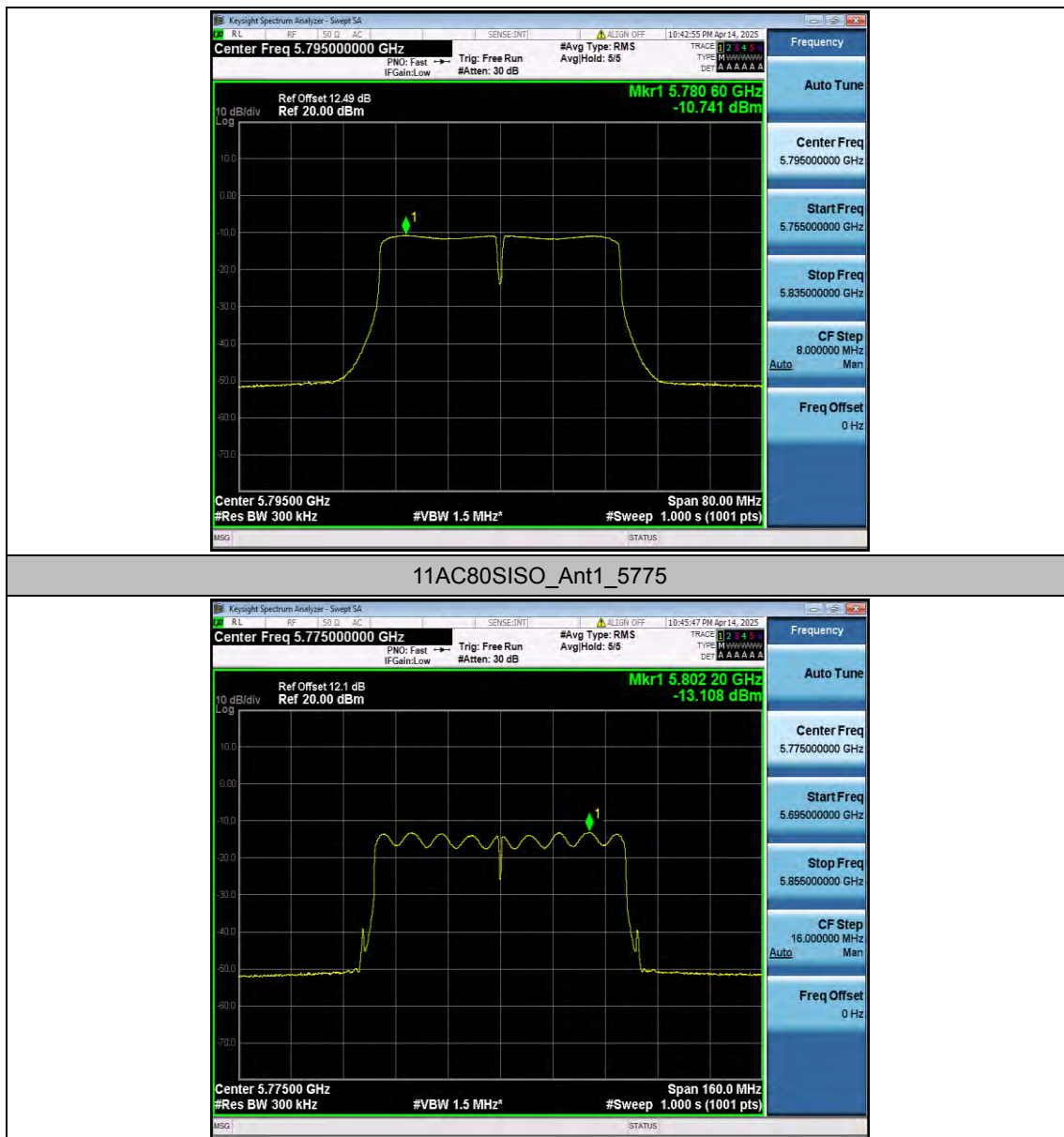
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



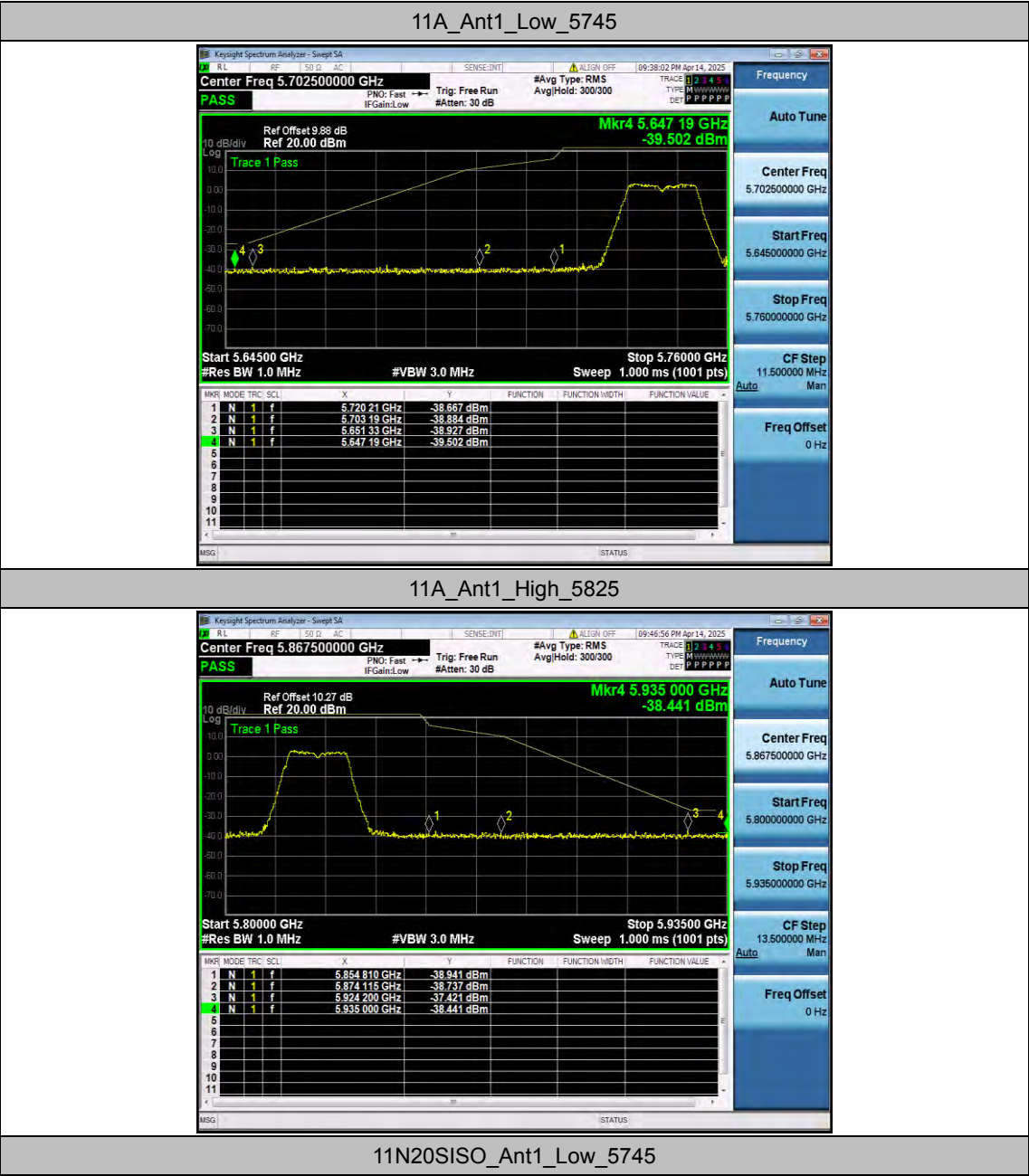
Appendix E.6: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-38.93	≤-26.02	PASS
				5700~5720	-38.88	≤10.89	PASS
				5720~5725	-38.67	≤16.08	PASS
				5760~5650	-39.5	≤-27	PASS
		High	5825	5850~5855	-38.94	≤16.03	PASS
				5855~5875	-38.74	≤10.25	PASS
				5875~5925	-37.42	≤-26.41	PASS
				5925~5935	-38.44	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-40.06	≤-26.27	PASS
				5700~5720	-39.33	≤10.12	PASS
				5720~5725	-39.7	≤15.82	PASS
				5760~5650	-39.32	≤-27	PASS
		High	5825	5850~5855	-40.46	≤16.03	PASS
				5855~5875	-38.41	≤10.66	PASS
				5875~5925	-39.44	≤-26.61	PASS
				5925~5935	-38.02	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-39.22	≤-25.90	PASS
				5700~5720	-38.71	≤10.85	PASS
				5720~5725	-39.38	≤16.35	PASS
				5780~5650	-38.87	≤-27	PASS
		High	5795	5850~5855	-39.63	≤15.66	PASS
				5855~5875	-38.35	≤10.62	PASS
				5875~5925	-38.48	≤-26.34	PASS
				5925~5935	-37.86	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-39.72	≤-26.53	PASS
				5700~5720	-39.94	≤10.06	PASS
				5720~5725	-39.6	≤16.08	PASS
				5760~5650	-39.81	≤-27	PASS
		High	5825	5850~5855	-37.1	≤16.96	PASS
				5855~5875	-38.44	≤10.13	PASS
				5875~5925	-38.86	≤-26.91	PASS
				5925~5935	-38.6	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-38.91	≤-26.20	PASS
				5700~5720	-38.79	≤10.17	PASS
				5720~5725	-39.22	≤16.35	PASS
				5780~5650	-39.4	≤-27	PASS

		High	5795	5850~5855	-40.2	≤ 15.66	PASS
				5855~5875	-39.14	≤ 10.02	PASS
				5875~5925	-40.34	≤ -26.95	PASS
				5925~5935	-38.97	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-40.61	≤ -26.57	PASS
				5700~5720	-37.35	≤ 11.61	PASS
				5720~5725	-36.99	≤ 16.71	PASS
				5800~5650	-39.66	≤ -27	PASS
		High	5775	5850~5855	-39.84	≤ 15.84	PASS
				5855~5875	-39.08	≤ 10.50	PASS
				5875~5925	-39.98	≤ -26.32	PASS
				5925~5935	-39.03	≤ -27	PASS

Test Graphs B4



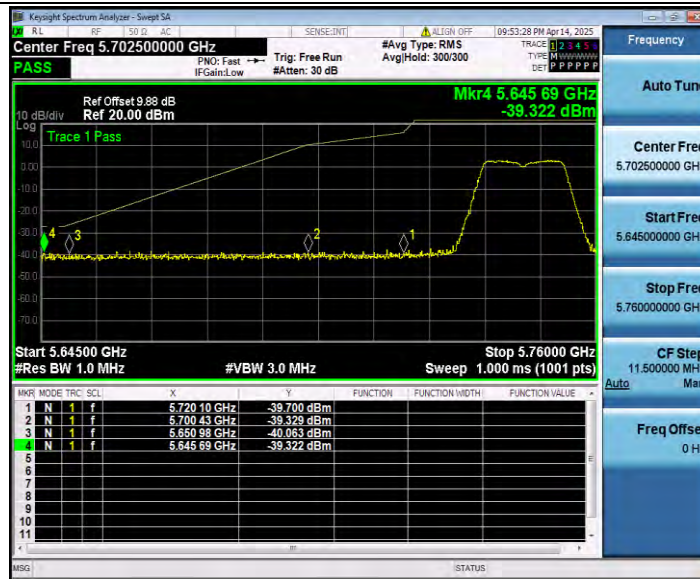
11A_Ant1_High_5825

Frequency

Auto Tune

Center Freq
5.867500000 GHzStart Freq
5.800000000 GHzStop Freq
5.935000000 GHzCF Step
13.500000 MHz
AutoFreq Offset
0 Hz

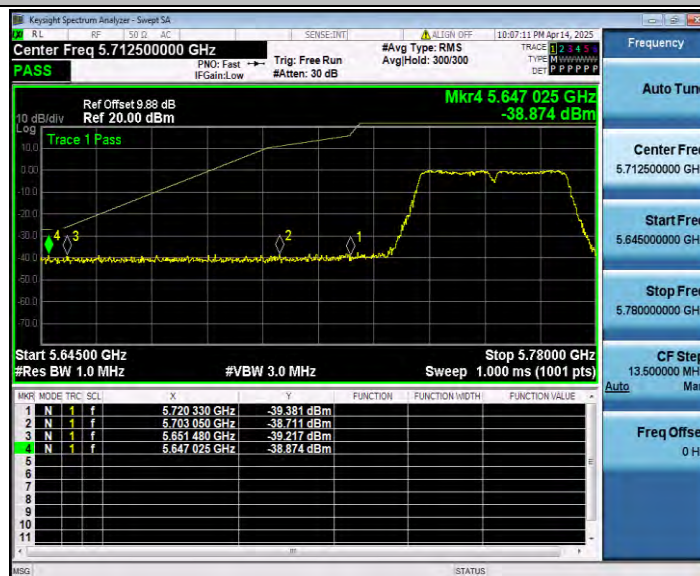
11N20SISO_Ant1_Low_5745



11N20SISO_Ant1_High_5825



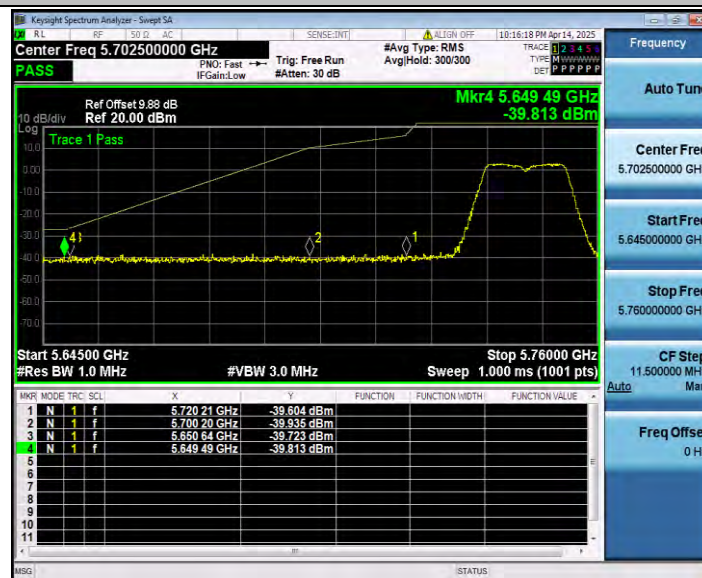
11N40SISO_Ant1_Low_5755



11N40SISO_Ant1_High_5795



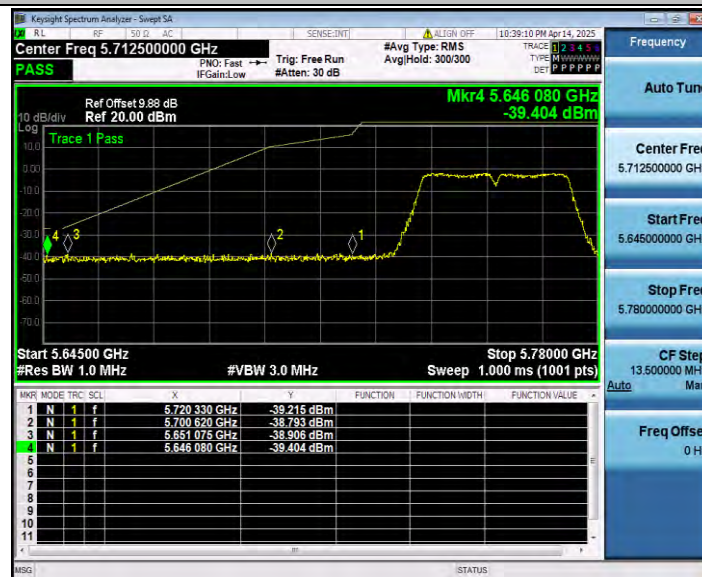
11AC20SISO_Ant1_Low_5745



11AC20SISO_Ant1_High_5825



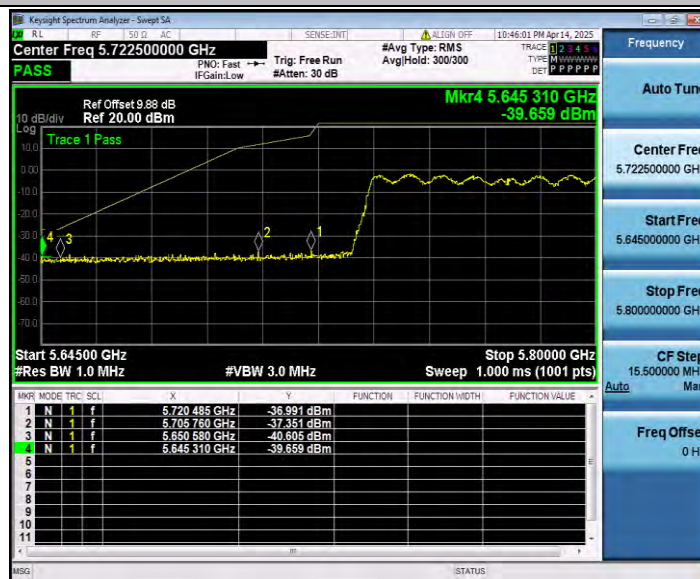
11AC40SISO_Ant1_Low_5755



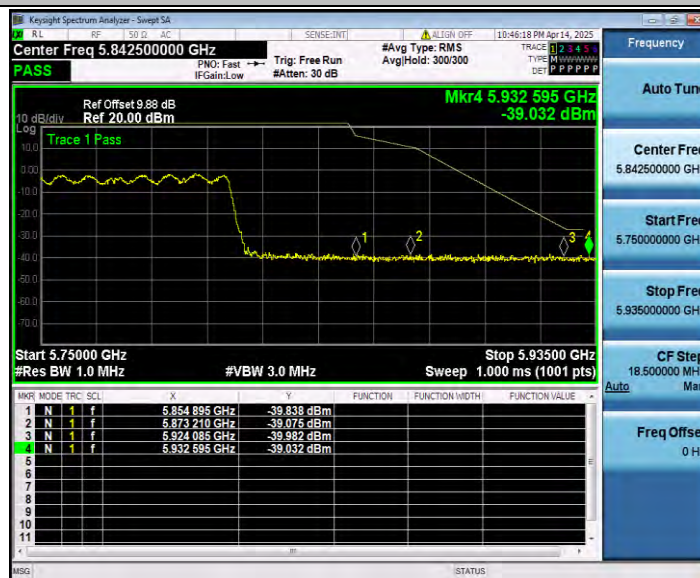
11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775



Appendix E.7: Conducted Spurious Emission

Test Result

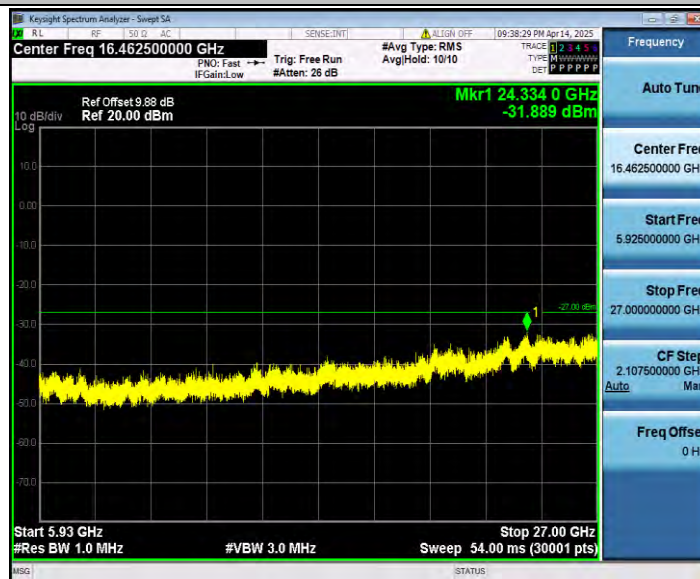
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	2780.05	-40.61	≤-27	PASS
			5925~27000	24334.01	-31.89	≤-27	PASS
		5785	30~5650	3024.71	-39.84	≤-27	PASS
			5925~27000	25603.43	-31.17	≤-27	PASS
		5825	30~5650	5123.22	-40.8	≤-27	PASS
			5925~27000	25696.16	-31.89	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5453.86	-40.6	≤-27	PASS
			5925~27000	25243.75	-31.6	≤-27	PASS
		5785	30~5650	5436.63	-40.71	≤-27	PASS
			5925~27000	26895.33	-31.32	≤-27	PASS
		5825	30~5650	3160.71	-40.1	≤-27	PASS
			5925~27000	24841.22	-31.6	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	3048.69	-40.06	≤-27	PASS
			5925~27000	24768.16	-31.74	≤-27	PASS
		5795	30~5650	5404.22	-39.92	≤-27	PASS
			5925~27000	26882.68	-31.03	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5448.24	-40.37	≤-27	PASS
			5925~27000	26083.24	-31.64	≤-27	PASS
		5785	30~5650	5622.84	-40.48	≤-27	PASS
			5925~27000	26530.73	-32.04	≤-27	PASS
		5825	30~5650	5547.53	-39.54	≤-27	PASS
			5925~27000	24239.88	-31.4	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5480.65	-39.67	≤-27	PASS
			5925~27000	24319.96	-31.38	≤-27	PASS
		5795	30~5650	2619.32	-40.55	≤-27	PASS
			5925~27000	23532.46	-30.71	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	4832.66	-39.87	≤-27	PASS
			5925~27000	26885.49	-31.74	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650



11A_Ant1_5745_5925~27000



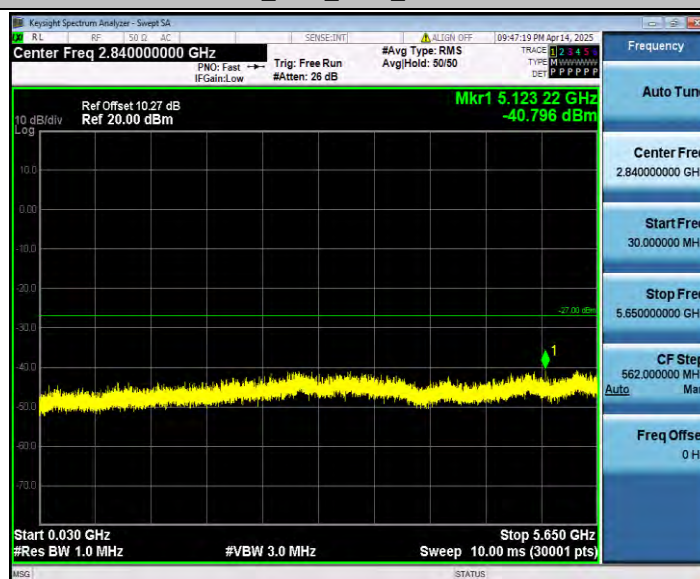
11A_Ant1_5785_30~5650



11A_Ant1_5785_5925~27000



11A_Ant1_5825_30~5650



11A_Ant1_5825_5925~27000



11N20SISO_Ant1_5745_30~5650



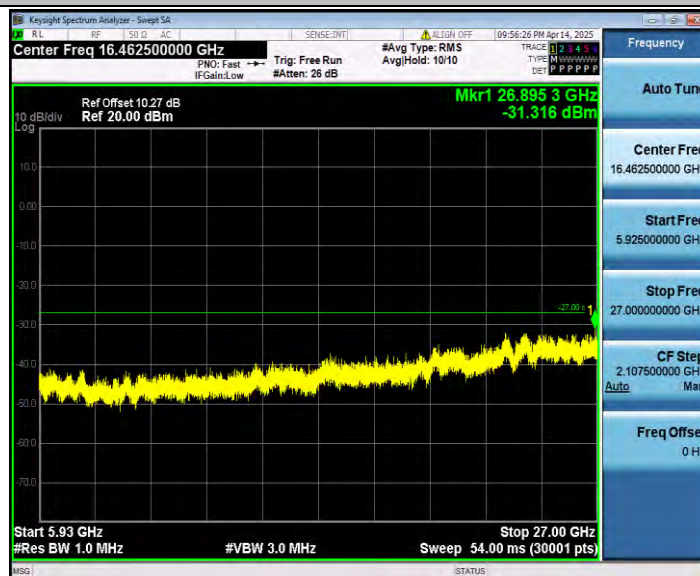
11N20SISO_Ant1_5745_5925~27000



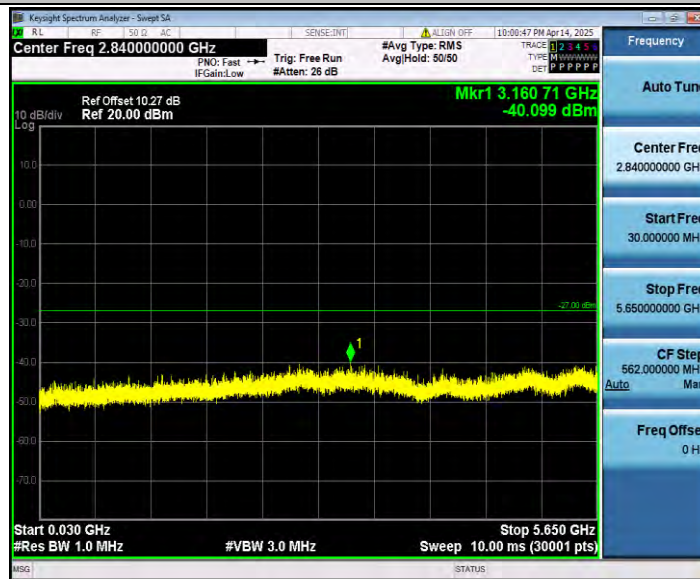
11N20SISO_Ant1_5785_30~5650



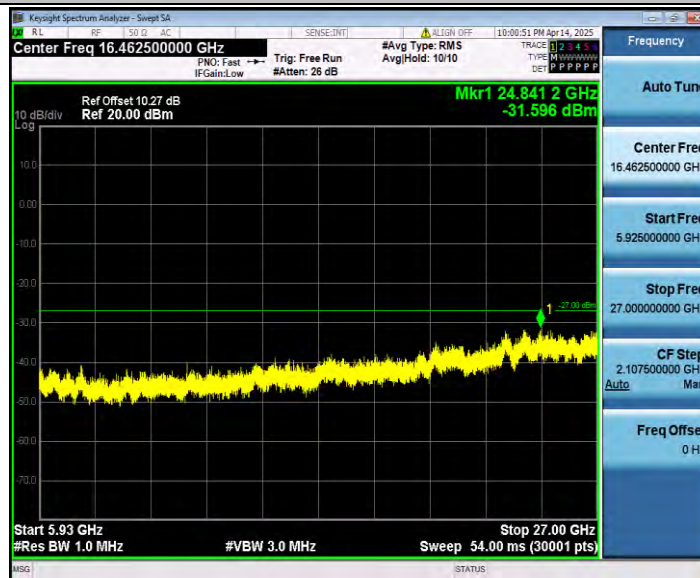
11N20SISO_Ant1_5785_5925~27000



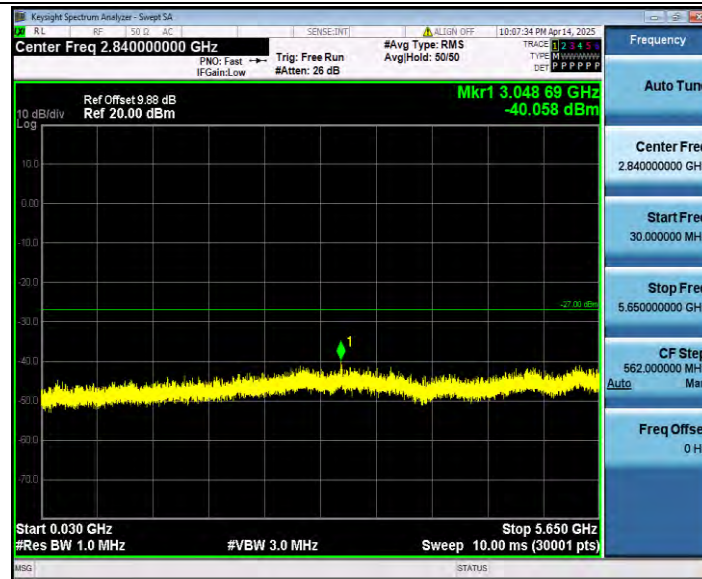
11N20SISO_Ant1_5825_30~5650



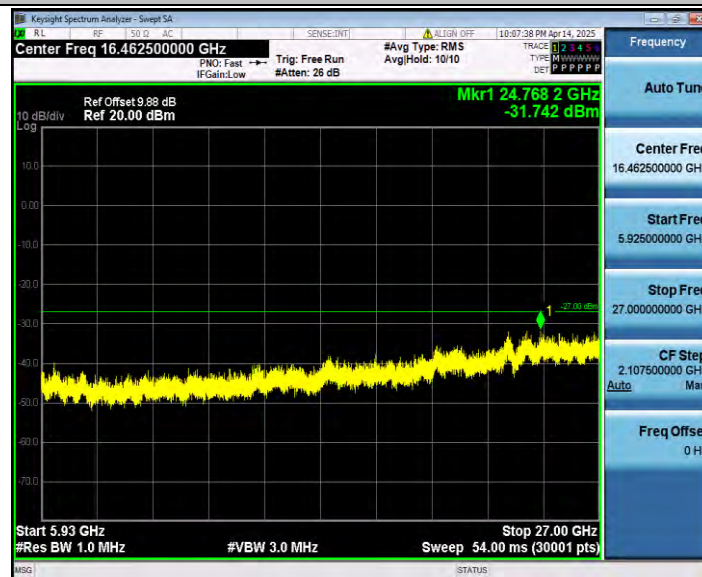
11N20SISO_Ant1_5825_5925~27000



11N40SISO_Ant1_5755_30~5650



11N40SISO_Ant1_5755_5925~27000



11N40SISO_Ant1_5795_30~5650



11N40SISO_Ant1_5795_5925~27000



11AC20SISO_Ant1_5745_30~5650



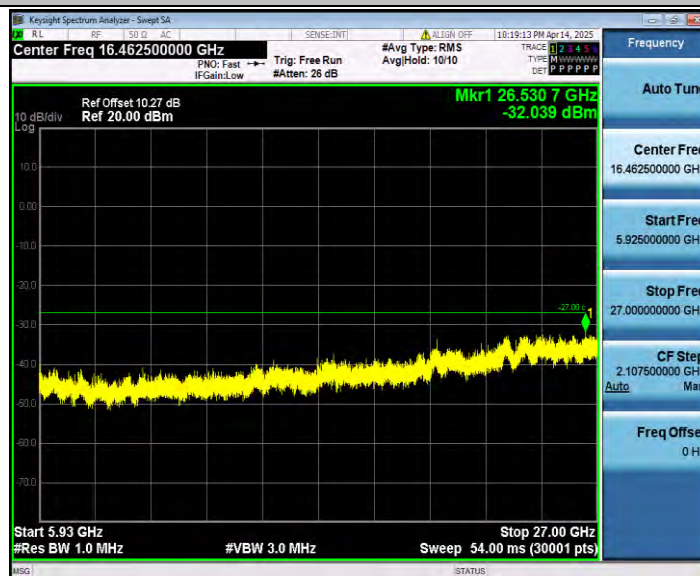
11AC20SISO_Ant1_5745_5925~27000



11AC20SISO_Ant1_5785_30~5650



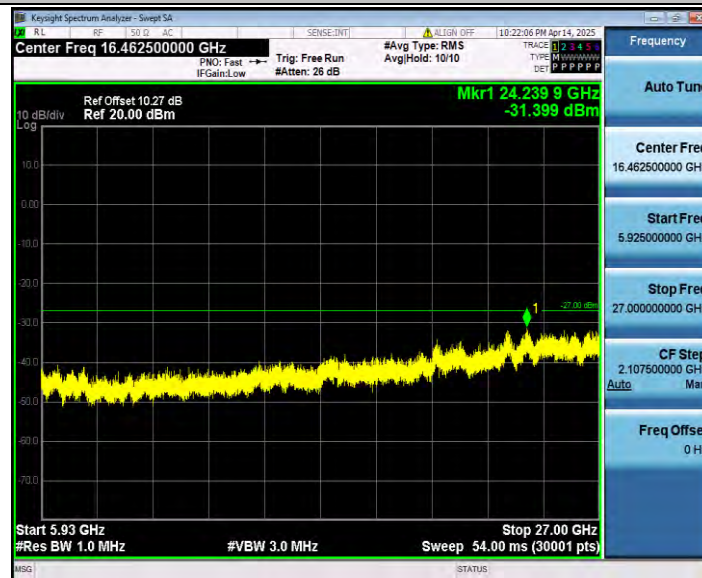
11AC20SISO_Ant1_5785_5925~27000



11AC20SISO_Ant1_5825_30~5650



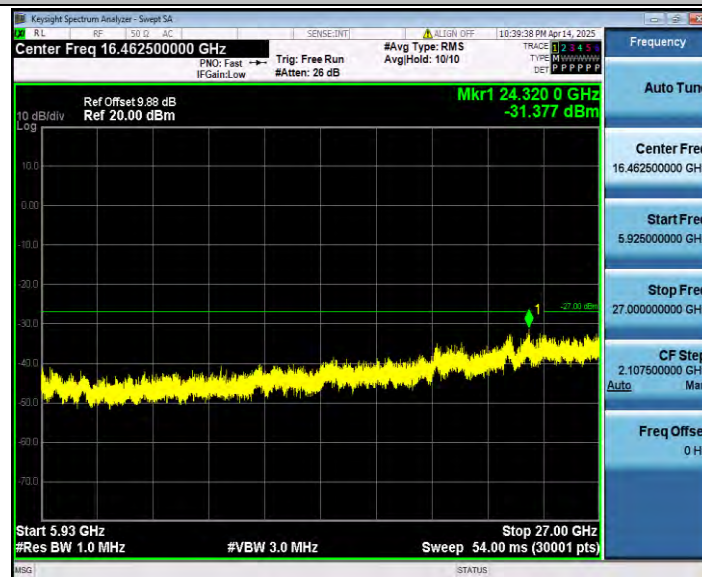
11AC20SISO_Ant1_5825_5925~27000



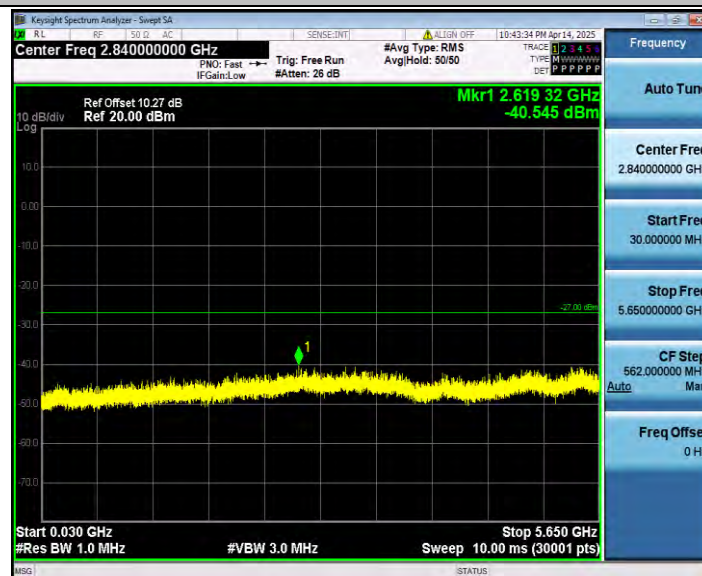
11AC40SISO_Ant1_5755_30~5650



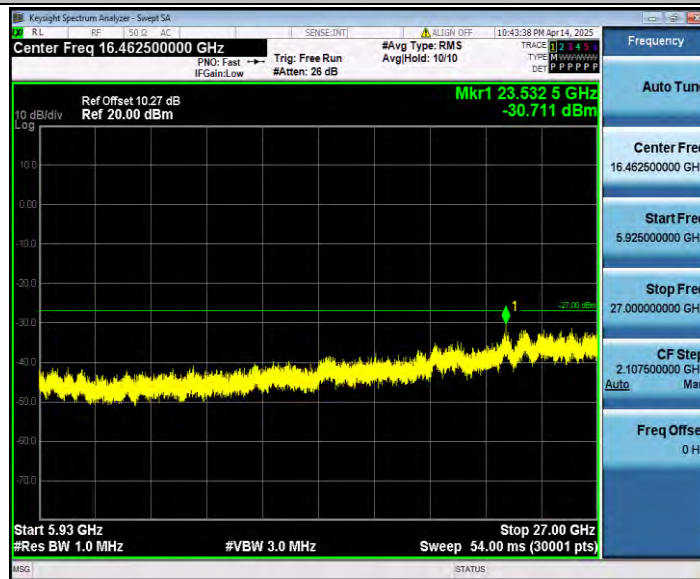
11AC40SISO_Ant1_5755_5925~27000



11AC40SISO_Ant1_5795_30~5650



11AC40SISO_Ant1_5795_5925~27000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~27000

