

Case No. : <u>GTS20230508024-1-46</u>	
Ambient Condition: <u>23</u> °C, <u>50</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.6.7</u>	Test Engineer: <u>Jenny zeng</u>

Appendix E.1: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5745	16.948	5736.525	5753.473	---	---
		5785	16.971	5776.535	5793.506	---	---
		5825	17.032	5816.471	5833.503	---	---
11N20SISO	Ant2	5745	18.124	5735.957	5754.081	---	---
		5785	18.119	5775.961	5794.080	---	---
		5825	18.151	5815.900	5834.051	---	---
11N40SISO	Ant2	5755	36.350	5736.848	5773.198	---	---
		5795	36.306	5776.794	5813.100	---	---
11AC20SISO	Ant2	5745	18.146	5735.954	5754.100	---	---
		5785	18.095	5775.950	5794.045	---	---
		5825	18.156	5815.891	5834.047	---	---
11AC40SISO	Ant2	5755	36.287	5736.862	5773.149	---	---
		5795	36.210	5776.876	5813.086	---	---
11AC80SISO	Ant2	5775	74.973	5737.444	5812.417	---	---

Test Graphs



11A_Ant2_5745



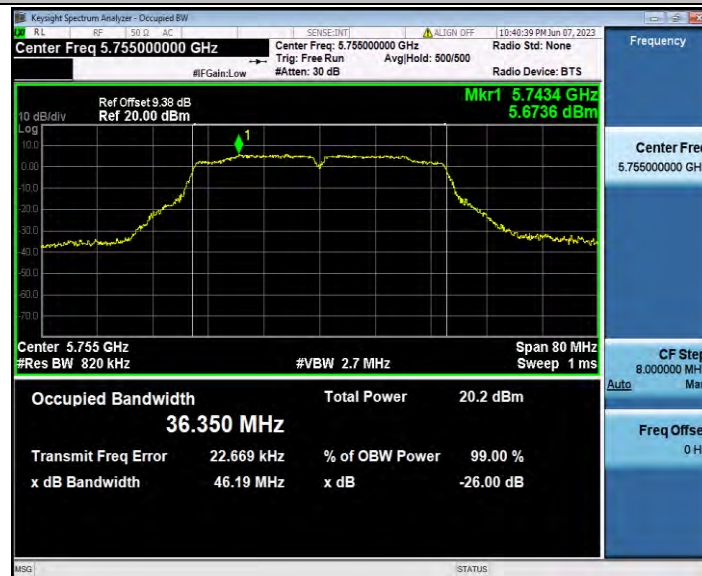
11A_Ant2_5785



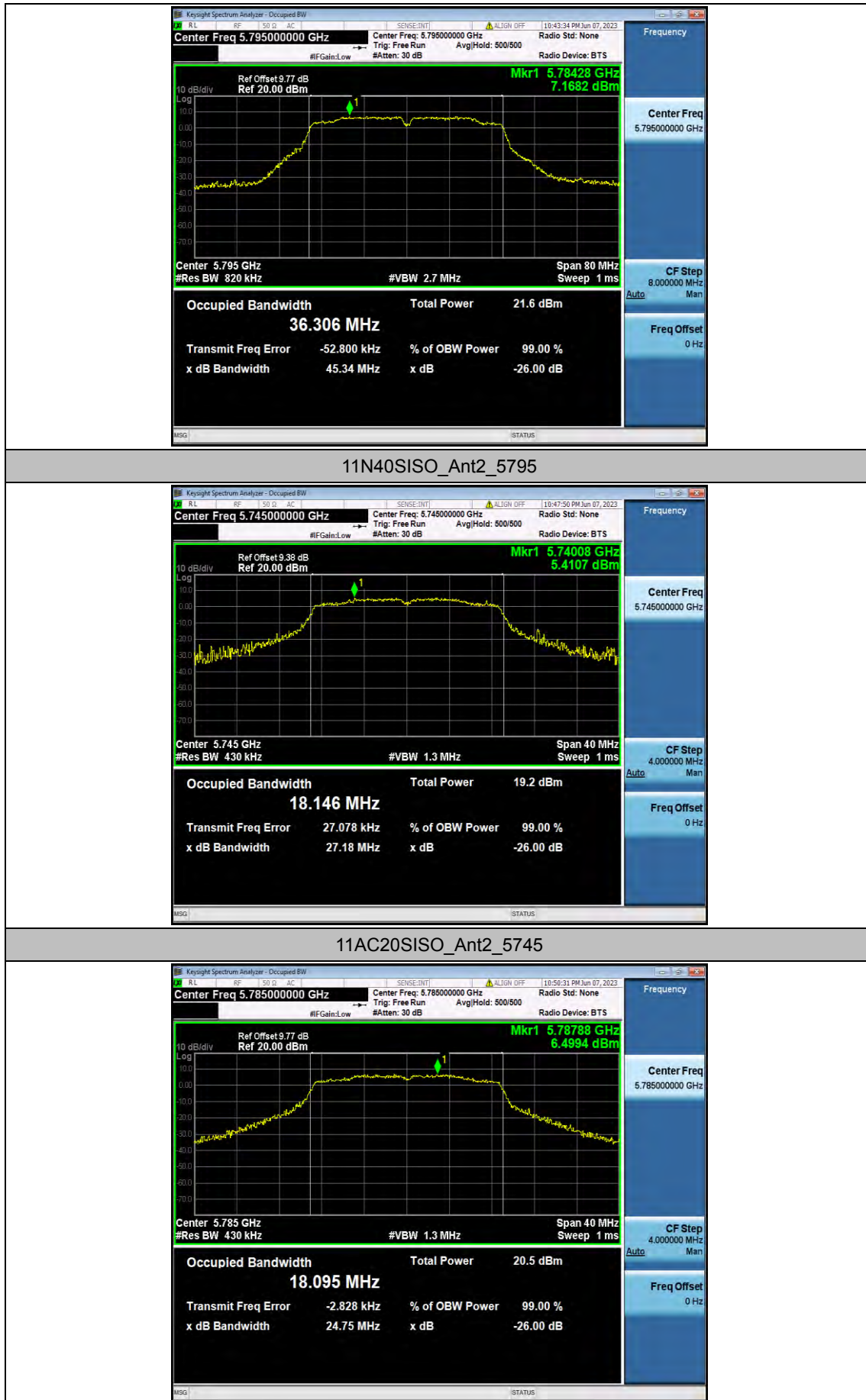
11N20SISO_Ant2_5785



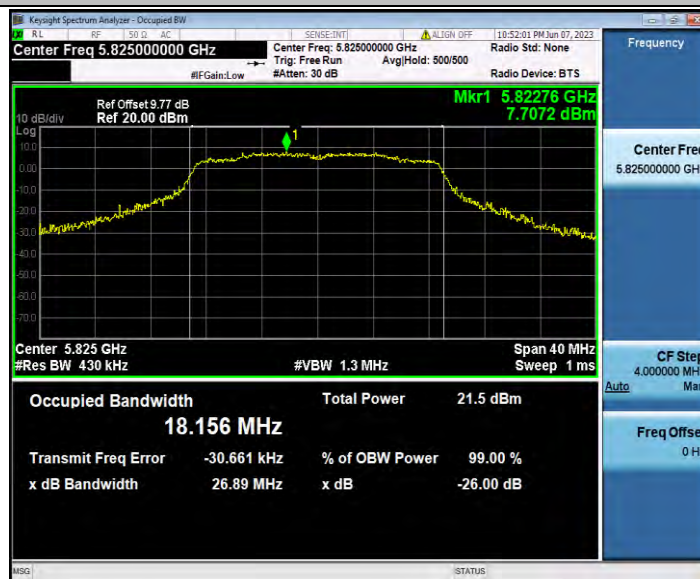
11N20SISO_Ant2_5825



11N40SISO_Ant2_5755



11AC20SISO_Ant2_5785



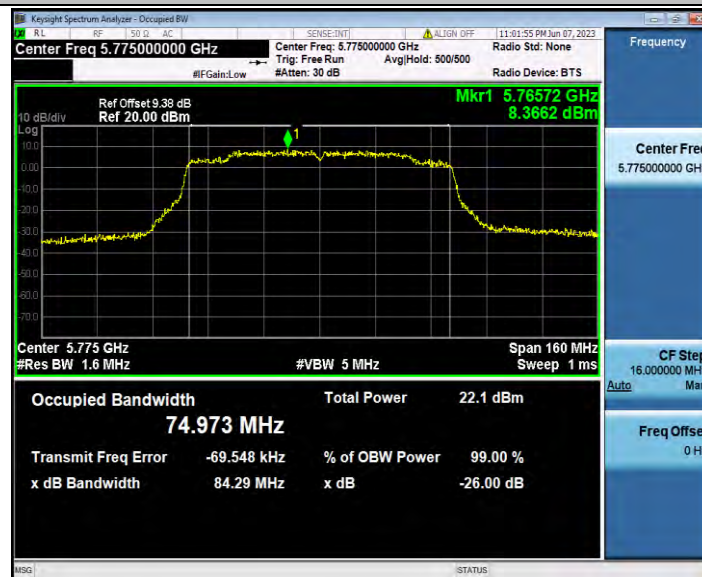
11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



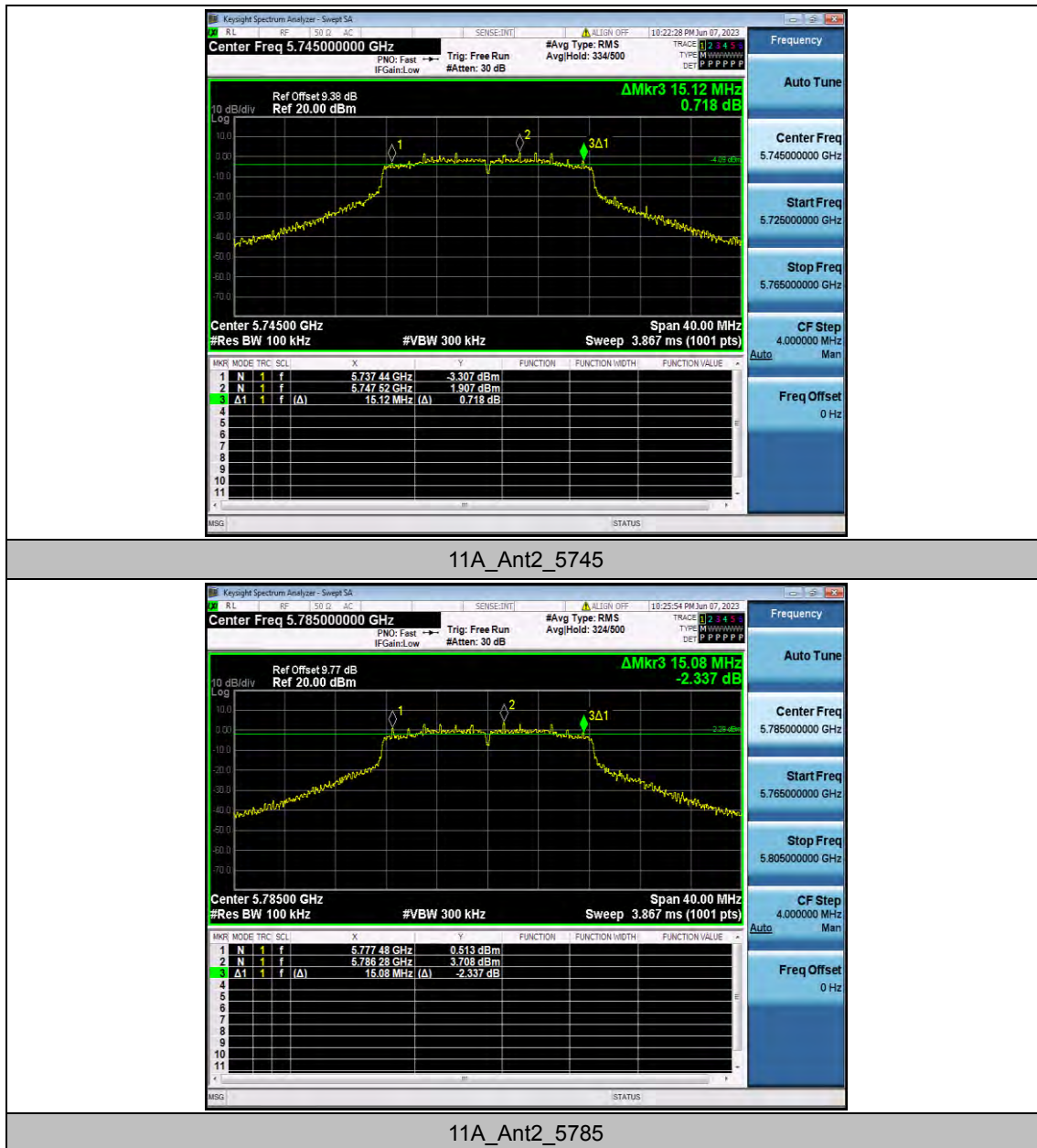
11AC80SISO_Ant2_5775

Appendix E.2: Min emission bandwidth

Test Result B4

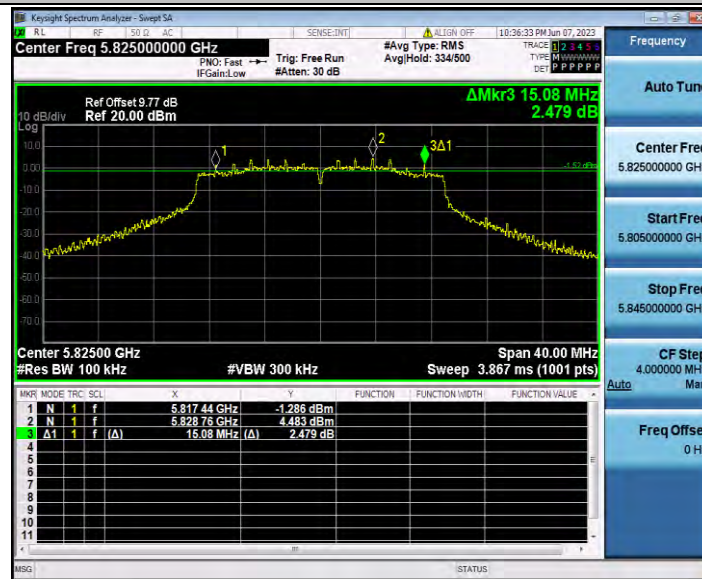
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5745	15.120	5737.440	5752.560	0.5	PASS
		5785	15.080	5777.480	5792.560	0.5	PASS
		5825	15.120	5817.440	5832.560	0.5	PASS
11N20SISO	Ant2	5745	15.080	5737.440	5752.520	0.5	PASS
		5785	13.880	5778.680	5792.560	0.5	PASS
		5825	15.080	5817.440	5832.520	0.5	PASS
11N40SISO	Ant2	5755	35.120	5737.480	5772.600	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC20SISO	Ant2	5745	15.680	5736.880	5752.560	0.5	PASS
		5785	15.120	5777.440	5792.560	0.5	PASS
		5825	15.080	5817.440	5832.520	0.5	PASS
11AC40SISO	Ant2	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	32.800	5778.520	5811.320	0.5	PASS
11AC80SISO	Ant2	5775	72.640	5737.400	5810.040	0.5	PASS

Test Graphs B4

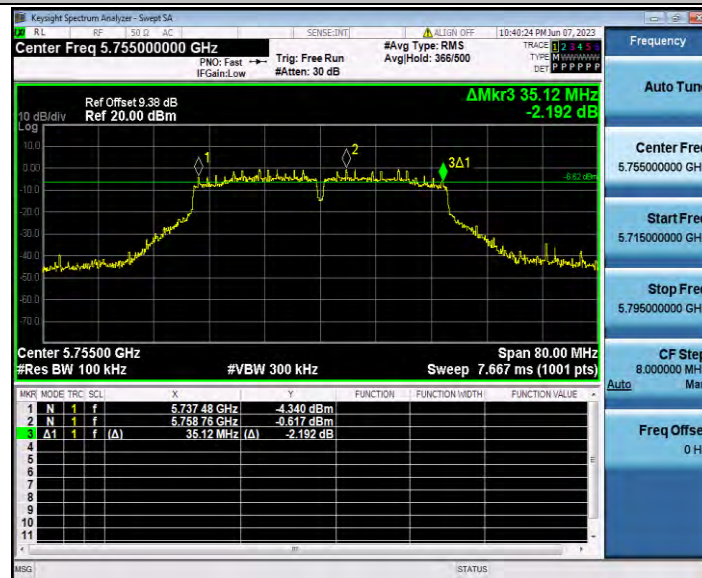




11N20SISO_Ant2_5785



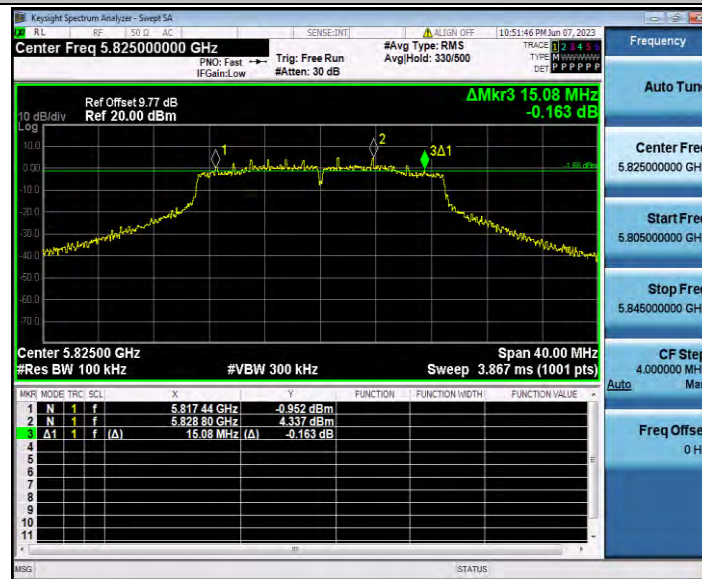
11N20SISO_Ant2_5825



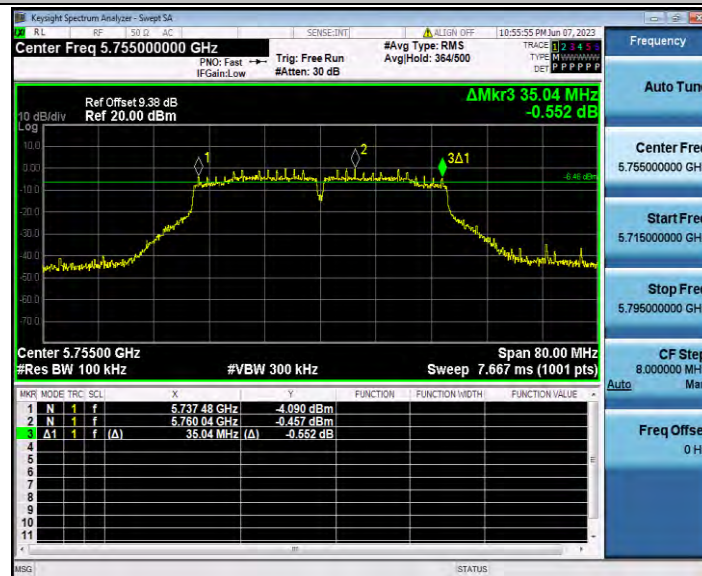
11N40SISO_Ant2_5755



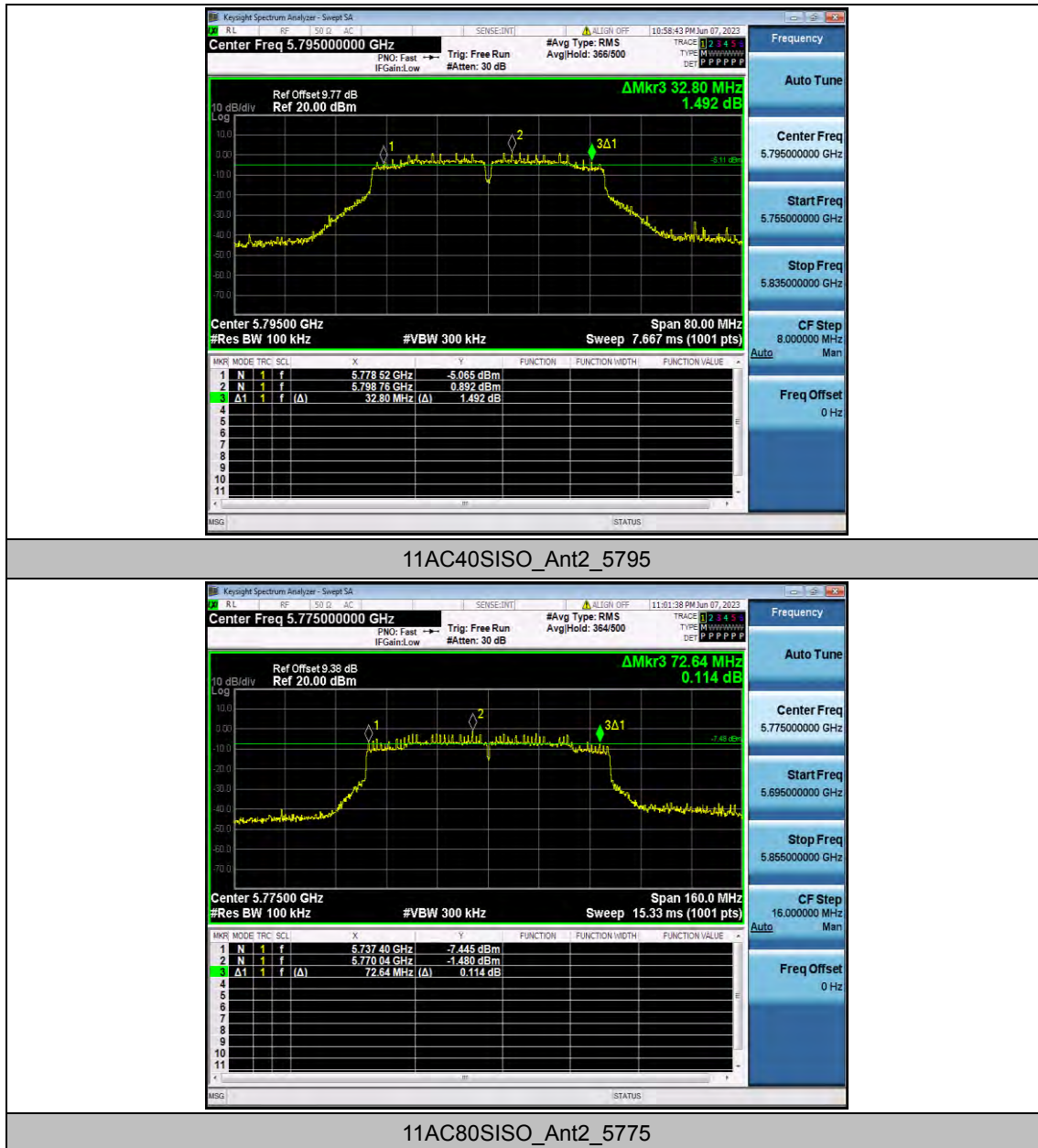
11AC20SISO_Ant2_5785



11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755

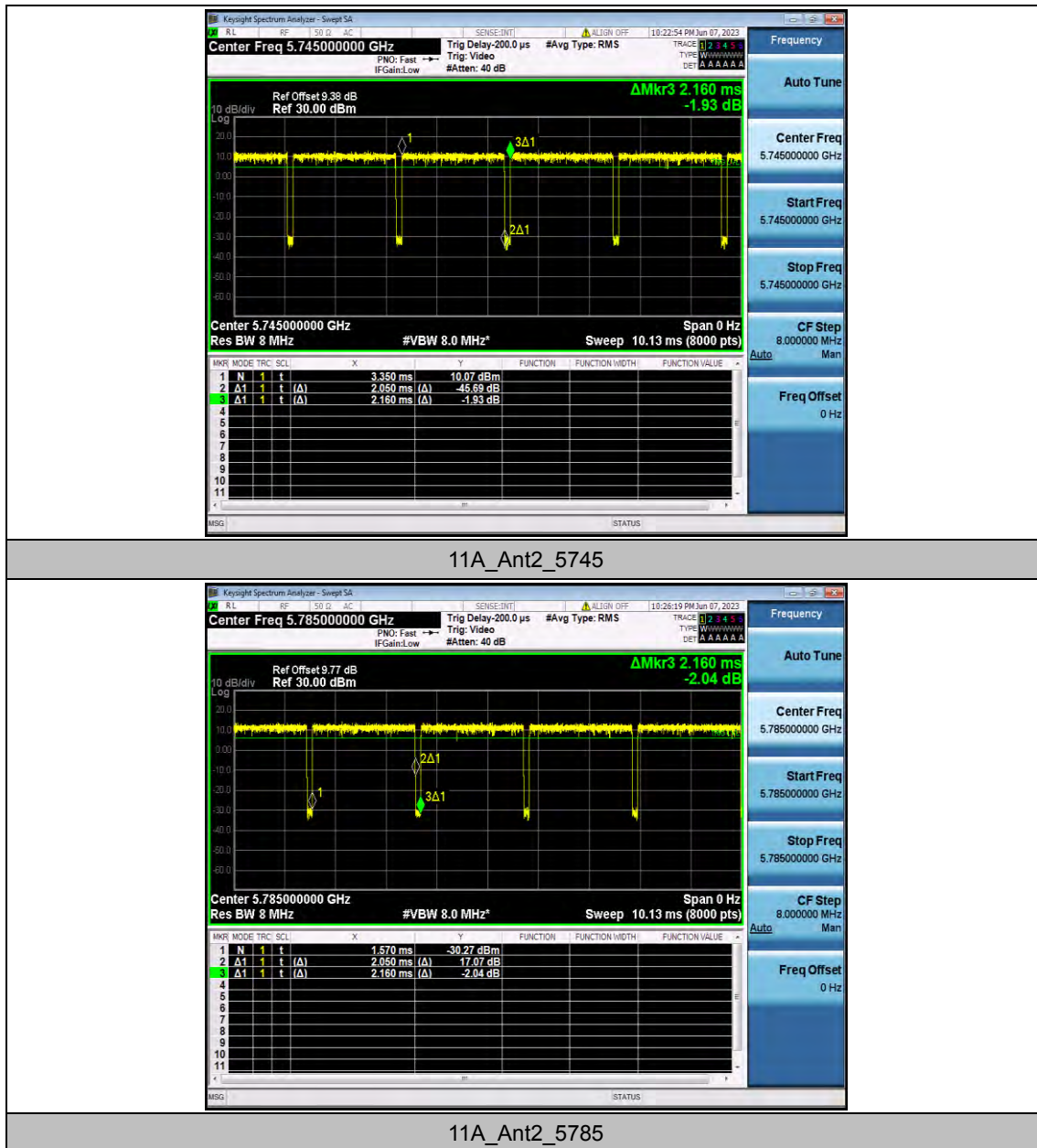


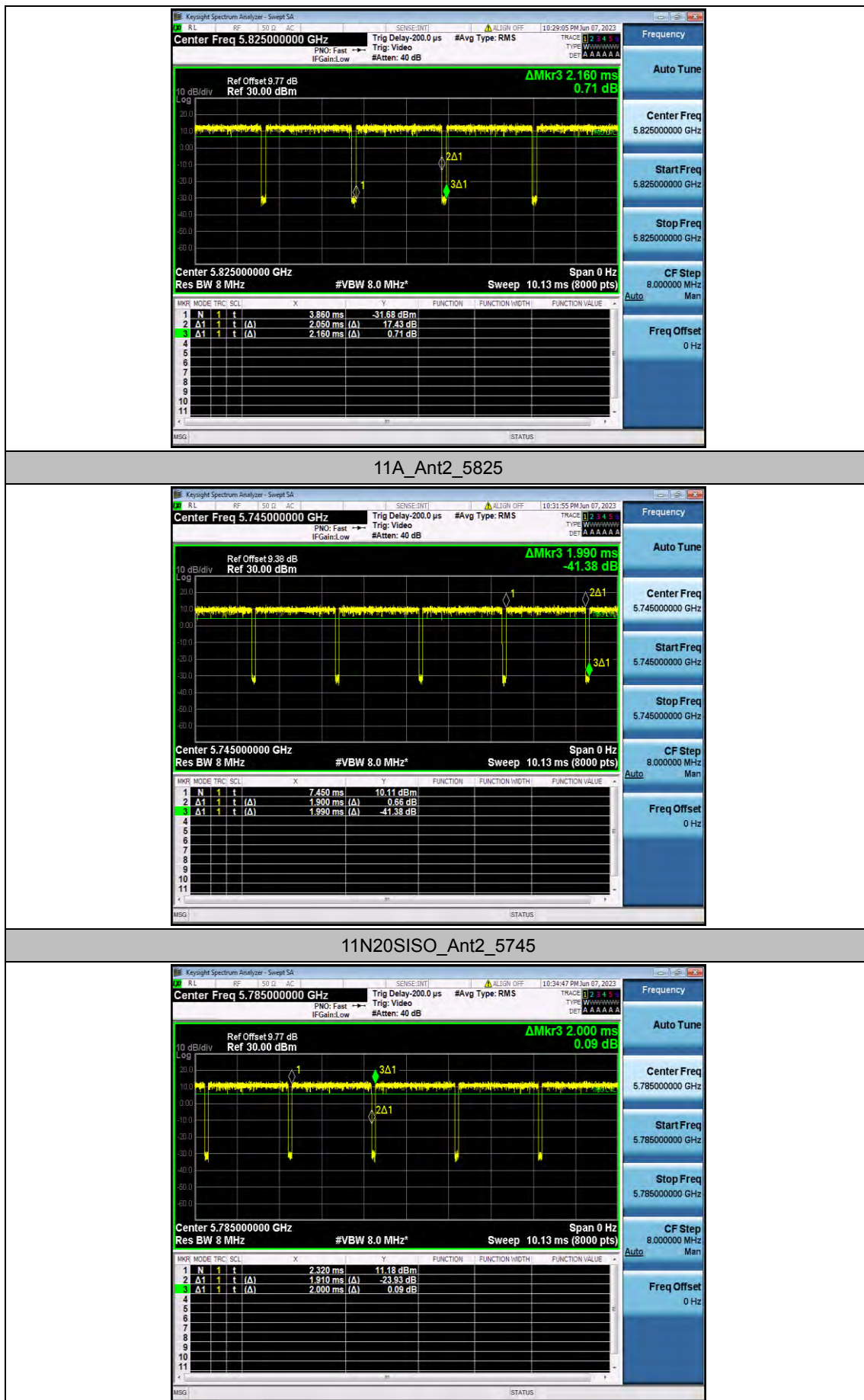
Appendix E.3: Duty Cycle

Test Result

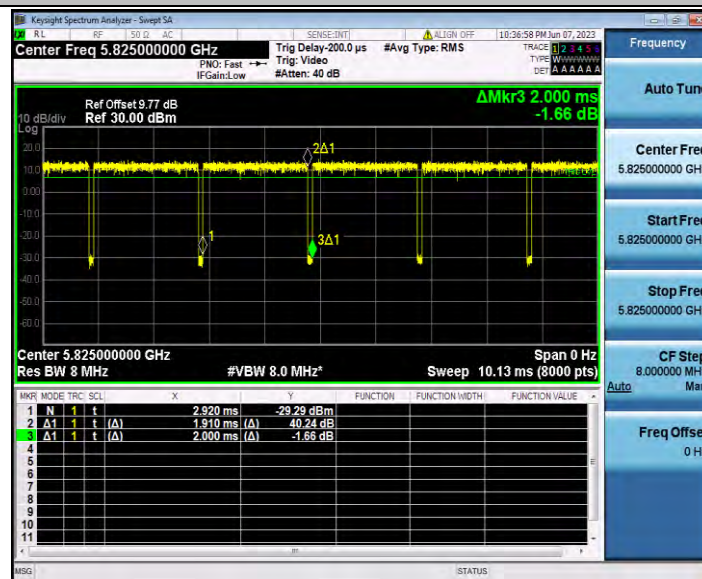
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant2	5745	2.05	2.16	94.91
		5785	2.05	2.16	94.91
		5825	2.05	2.16	94.91
11N20SISO	Ant2	5745	1.90	1.99	95.48
		5785	1.91	2.00	95.50
		5825	1.91	2.00	95.50
11N40SISO	Ant2	5755	0.94	1.11	84.68
		5795	0.94	1.11	84.68
11AC20SISO	Ant2	5745	1.91	2.00	95.50
		5785	1.92	2.01	95.52
		5825	1.91	2.00	95.50
11AC40SISO	Ant2	5755	0.95	1.12	84.82
		5795	0.94	1.11	84.68
11AC80SISO	Ant2	5775	0.46	0.55	83.64

Test Graphs

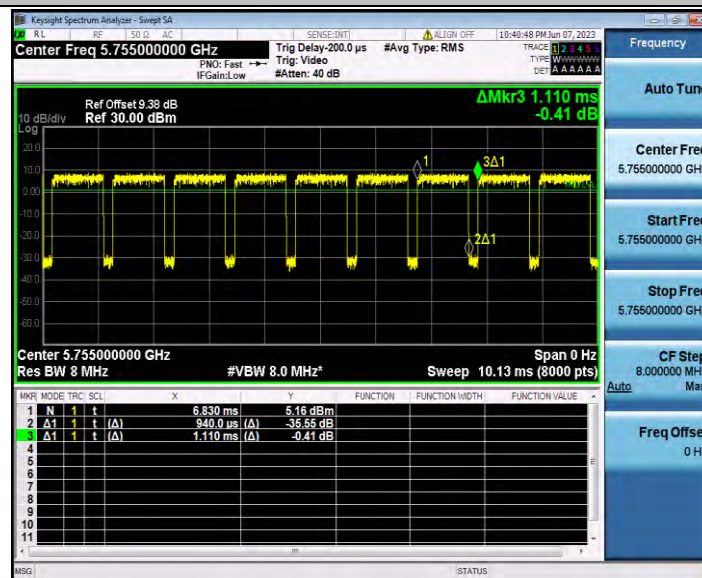




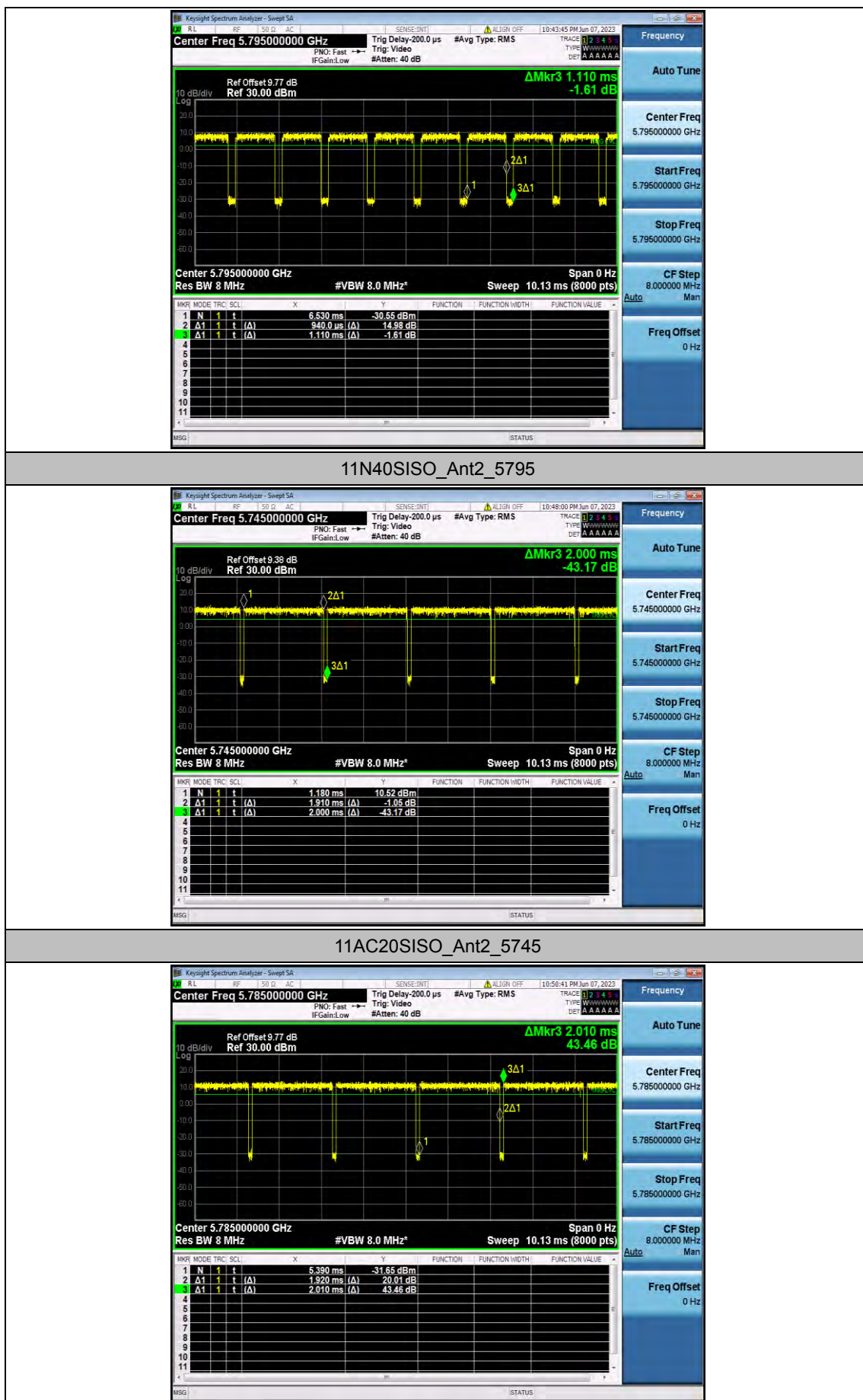
11N20SISO_Ant2_5785



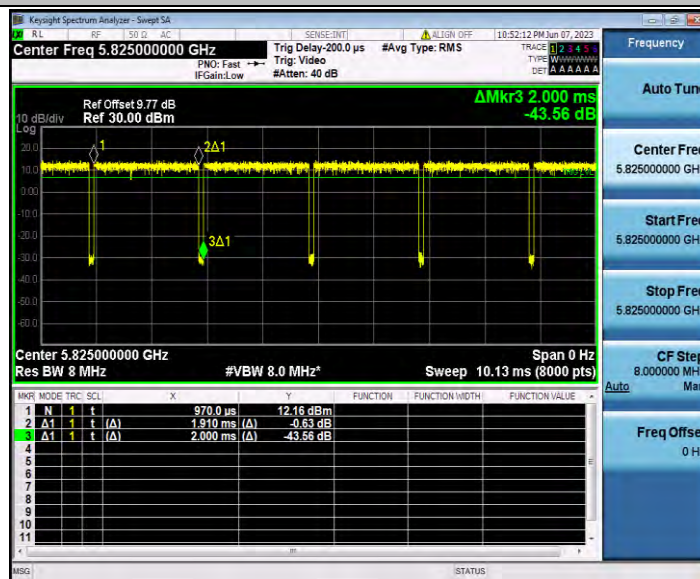
11N20SISO_Ant2_5825



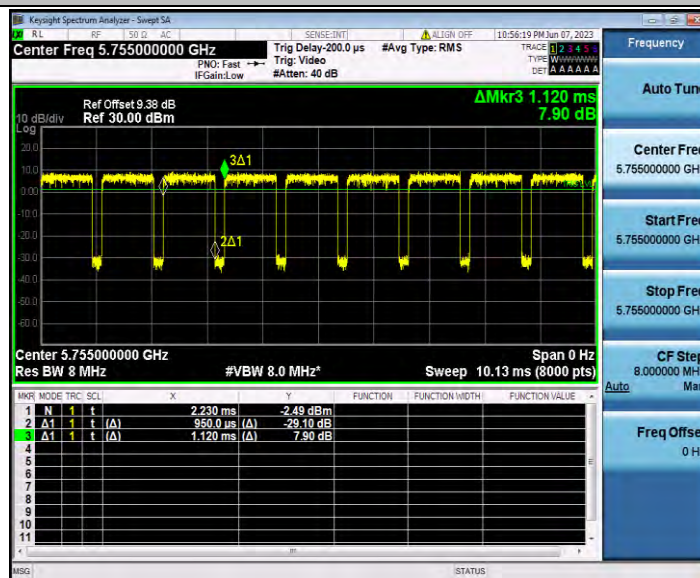
11N40SISO_Ant2_5755



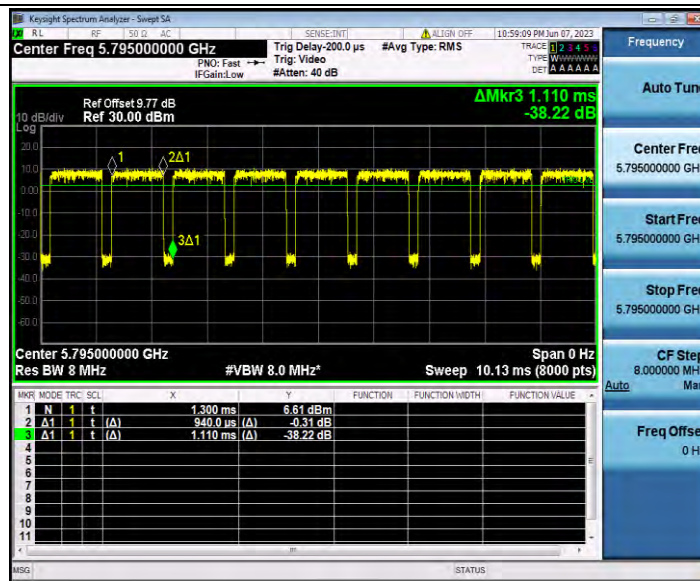
11AC20SISO_Ant2_5785



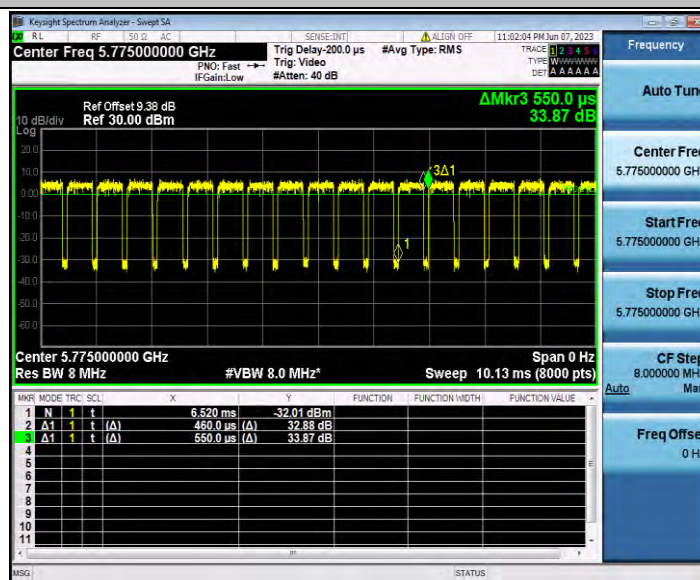
11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5775

Appendix E.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	5745	12.12	94.91	0.23	12.35	≤30.00	PASS
		5785	13.47	94.91	0.23	13.70	≤30.00	PASS
		5825	14.48	94.91	0.23	14.71	≤30.00	PASS
11N20SIS O	Ant2	5745	12.16	95.48	0.20	12.36	≤30.00	PASS
		5785	13.46	95.50	0.20	13.66	≤30.00	PASS
		5825	14.41	95.50	0.20	14.61	≤30.00	PASS
11N40SIS O	Ant2	5755	11.87	84.68	0.72	12.59	≤30.00	PASS
		5795	13.21	84.68	0.72	13.93	≤30.00	PASS
11AC20SIS O	Ant2	5745	12.16	95.50	0.20	12.36	≤30.00	PASS
		5785	13.58	95.52	0.20	13.78	≤30.00	PASS
		5825	14.43	95.50	0.20	14.63	≤30.00	PASS
11AC40SIS O	Ant2	5755	11.99	84.82	0.72	12.71	≤30.00	PASS
		5795	13.31	84.68	0.72	14.03	≤30.00	PASS
11AC80SIS O	Ant2	5775	12.47	83.64	0.78	13.25	≤30.00	PASS

Note: The Duty Cycle Factor is compensated in the graph.

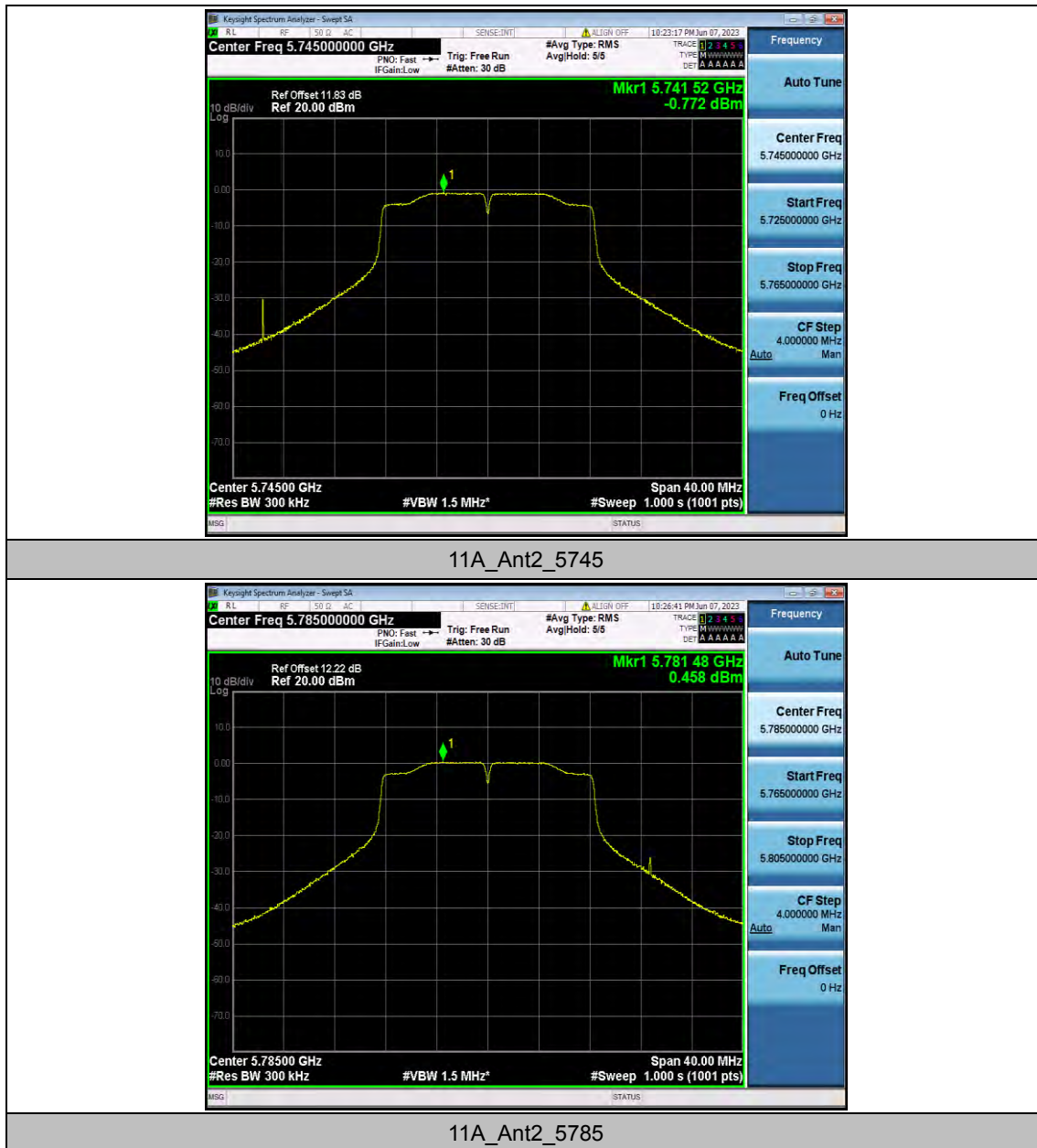
Appendix E.5: Maximum power spectral density

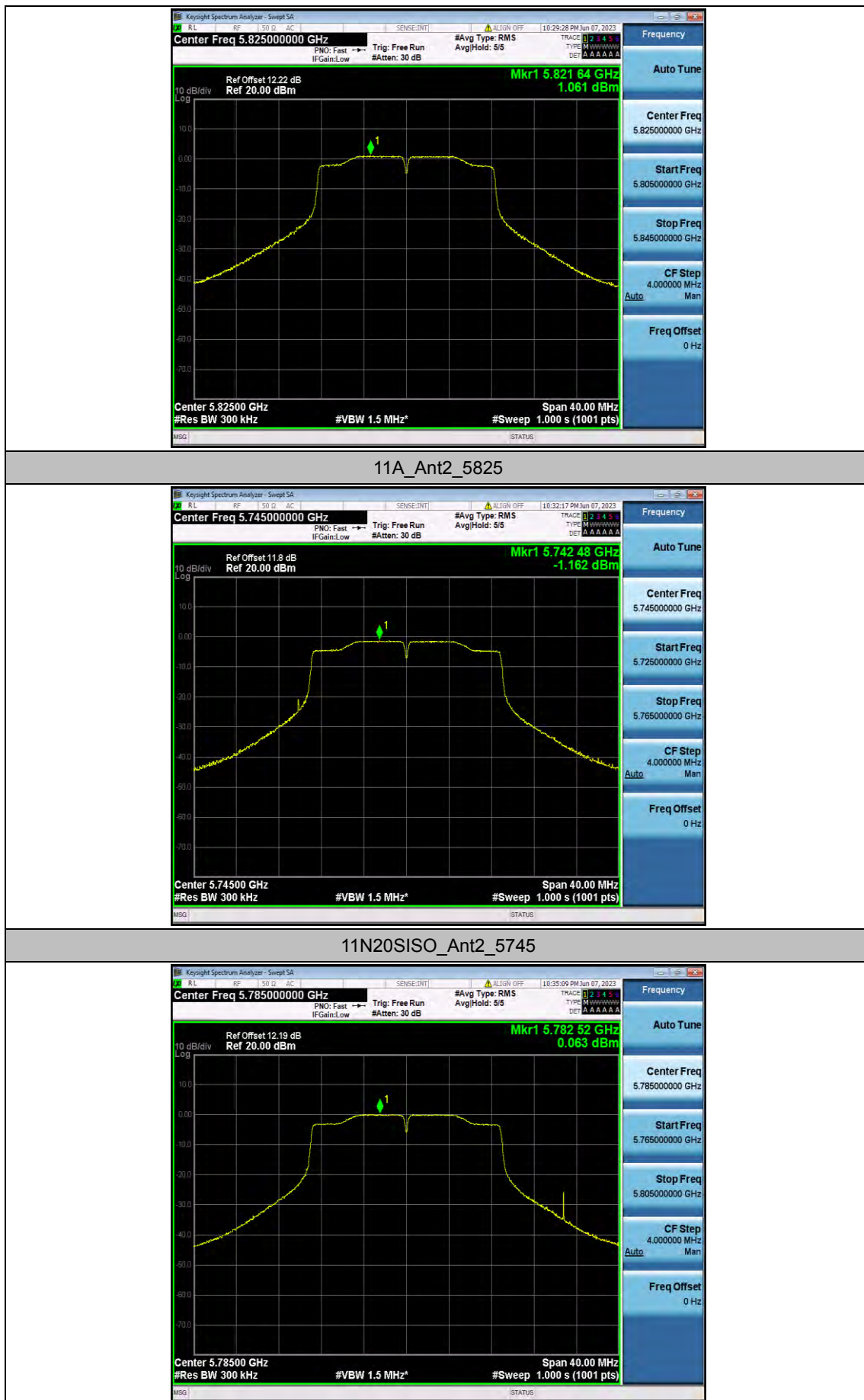
Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant2	5745	-0.77	≤30.00	PASS
		5785	0.46	≤30.00	PASS
		5825	1.06	≤30.00	PASS
11N20SISO	Ant2	5745	-1.16	≤30.00	PASS
		5785	0.06	≤30.00	PASS
		5825	0.89	≤30.00	PASS
11N40SISO	Ant2	5755	-3.89	≤30.00	PASS
		5795	-2.75	≤30.00	PASS
11AC20SISO	Ant2	5745	0.93	≤30.00	PASS
		5785	0.18	≤30.00	PASS
		5825	0.89	≤30.00	PASS
11AC40SISO	Ant2	5755	-3.41	≤30.00	PASS
		5795	-2.49	≤30.00	PASS
11AC80SISO	Ant2	5775	-5.75	≤30.00	PASS

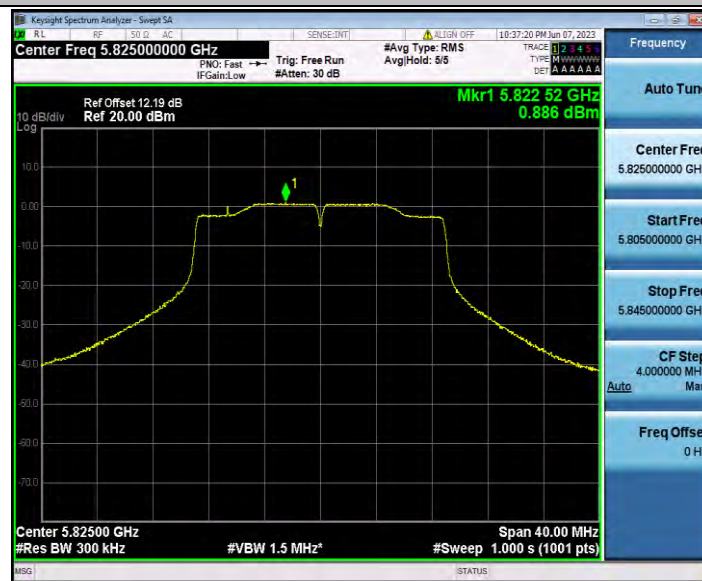
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs





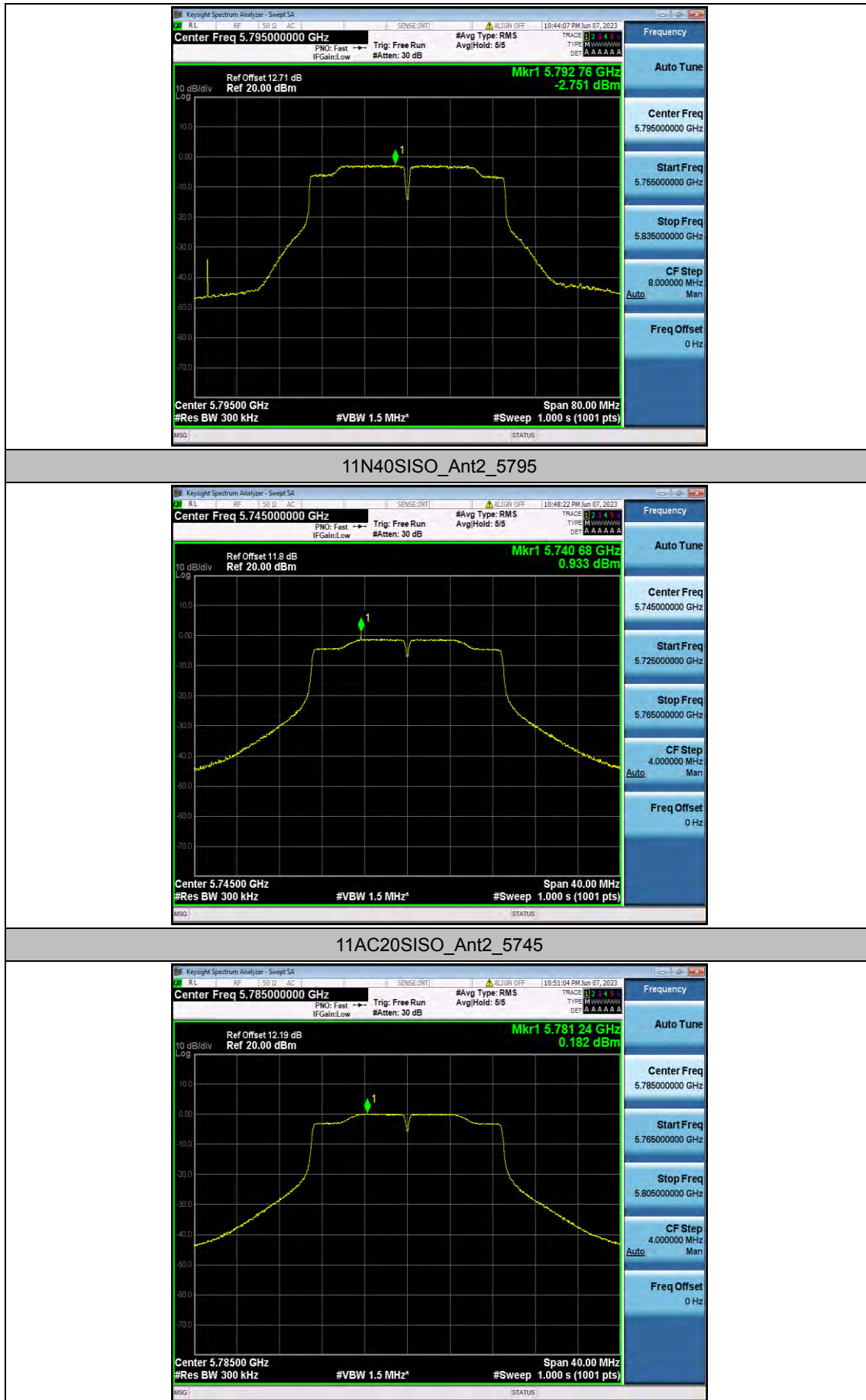
11N20SISO_Ant2_5785



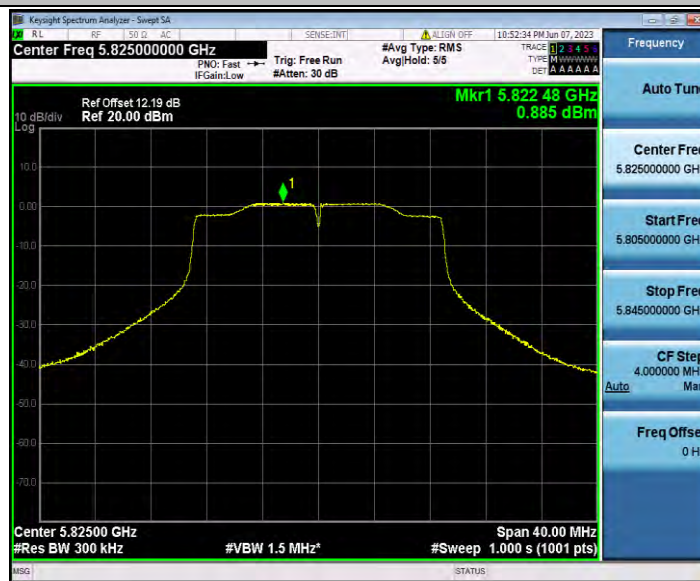
11N20SISO_Ant2_5825



11N40SISO_Ant2_5755



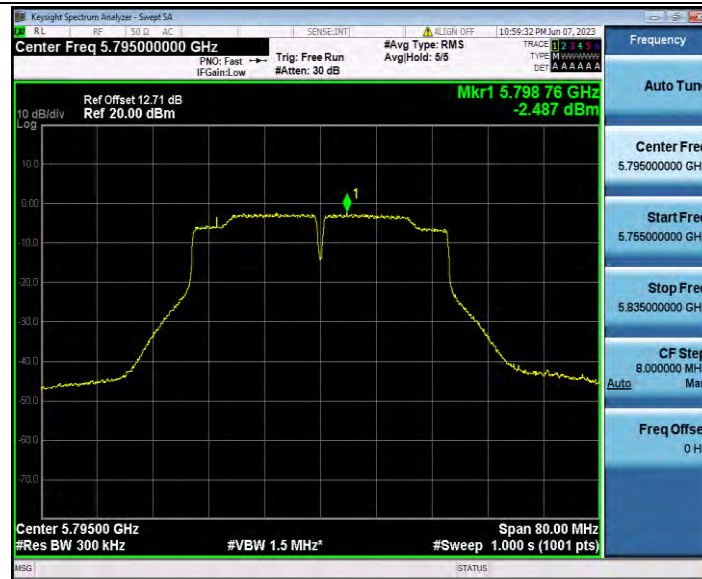
11AC20SISO_Ant2_5785



11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5775

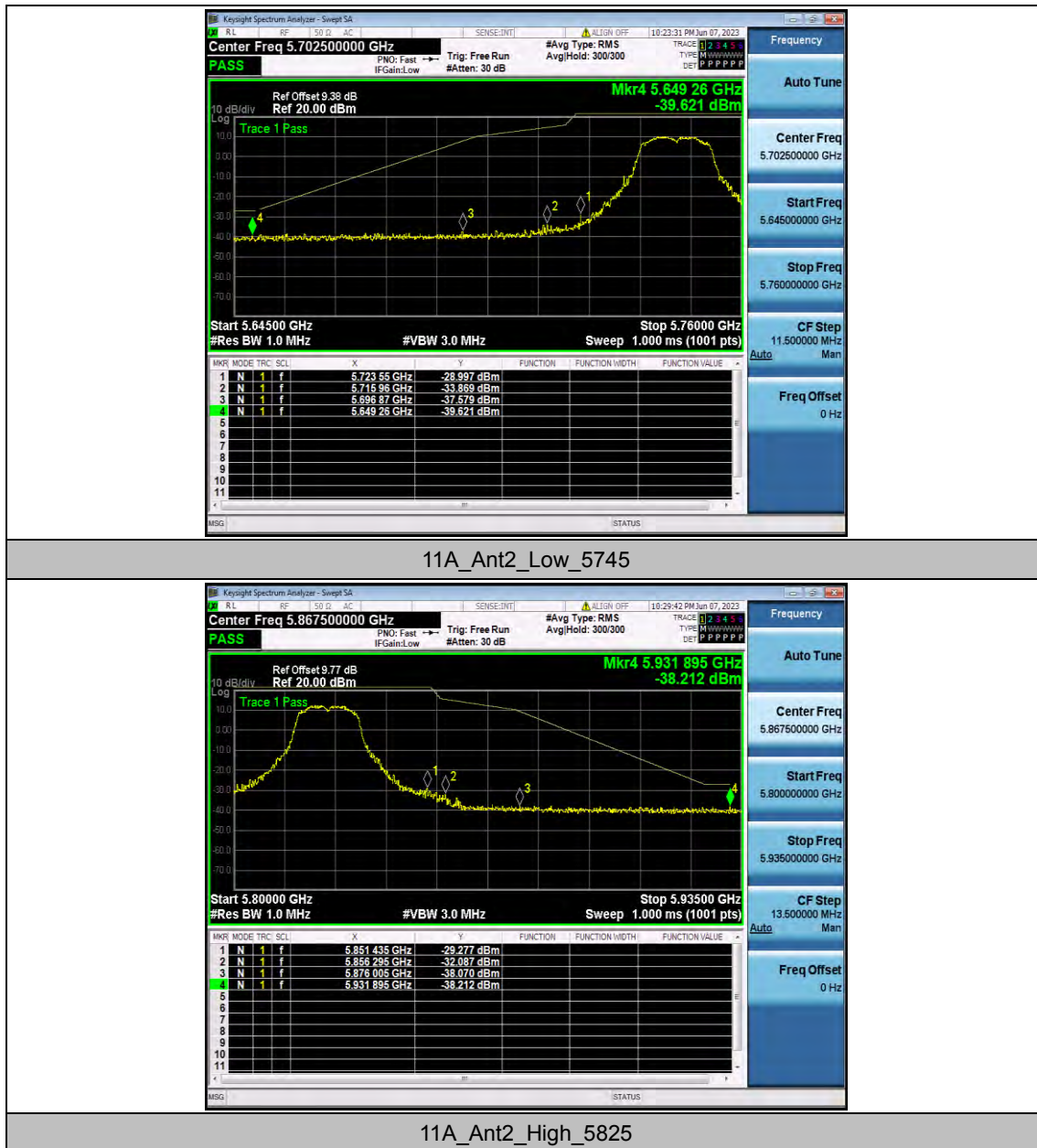
Appendix E.6: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	Low	5745	5650~5700	-37.58	≤7.68	PASS
				5700~5720	-33.87	≤14.47	PASS
				5720~5725	-29	≤23.68	PASS
				5760~5650	-39.62	≤-27	PASS
		High	5825	5850~5855	-29.28	≤18.87	PASS
				5855~5875	-32.09	≤10.36	PASS
				5875~5925	-38.07	≤-26.26	PASS
				5925~5935	-38.21	≤-27	PASS
11N20SISO	Ant2	Low	5745	5650~5700	-37.65	≤8.62	PASS
				5700~5720	-33.89	≤14.92	PASS
				5720~5725	-29.43	≤25.26	PASS
				5760~5650	-38.3	≤-27	PASS
		High	5825	5850~5855	-30.7	≤19.18	PASS
				5855~5875	-29.95	≤10.17	PASS
				5875~5925	-37.93	≤-16.97	PASS
				5925~5935	-37.9	≤-27	PASS
11N40SISO	Ant2	Low	5755	5650~5700	-34	≤-4.33	PASS
				5700~5720	-25.87	≤15.50	PASS
				5720~5725	-24.87	≤25.89	PASS
				5780~5650	-38.52	≤-27	PASS
		High	5795	5850~5855	-33.14	≤22.80	PASS
				5855~5875	-33	≤10.09	PASS
				5875~5925	-37.59	≤-18.50	PASS
				5925~5935	-38.9	≤-27	PASS
11AC20SISO	Ant2	Low	5745	5650~5700	-38.47	≤-9.00	PASS
				5700~5720	-32.56	≤14.15	PASS
				5720~5725	-29.8	≤26.57	PASS
				5760~5650	-38.6	≤-27	PASS
		High	5825	5850~5855	-30.23	≤18.87	PASS
				5855~5875	-31.09	≤10.17	PASS
				5875~5925	-37.33	≤-13.77	PASS
				5925~5935	-38.48	≤-27	PASS
11AC40SISO	Ant2	Low	5755	5650~5700	-35.97	≤7.76	PASS
				5700~5720	-34.51	≤14.82	PASS
				5720~5725	-33.14	≤18.81	PASS
				5780~5650	-39.44	≤-27	PASS

11AC80SI SO	Ant2	High	5795	5850~5855	-36.09	≤ 17.54	PASS
				5855~5875	-37.2	≤ 10.27	PASS
				5875~5925	-37.3	≤ -9.83	PASS
				5925~5935	-38.75	≤ -27	PASS
		Low	5775	5650~5700	-35.08	≤ 6.00	PASS
				5700~5720	-33.18	≤ 15.56	PASS
				5720~5725	-32.18	≤ 23.77	PASS
				5800~5650	-38.12	≤ -27	PASS
		High	5775	5850~5855	-31.44	≤ 19.17	PASS
				5855~5875	-31.77	≤ 10.07	PASS
				5875~5925	-36.92	≤ -23.81	PASS
				5925~5935	-39.36	≤ -27	PASS

Test Graphs B4





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



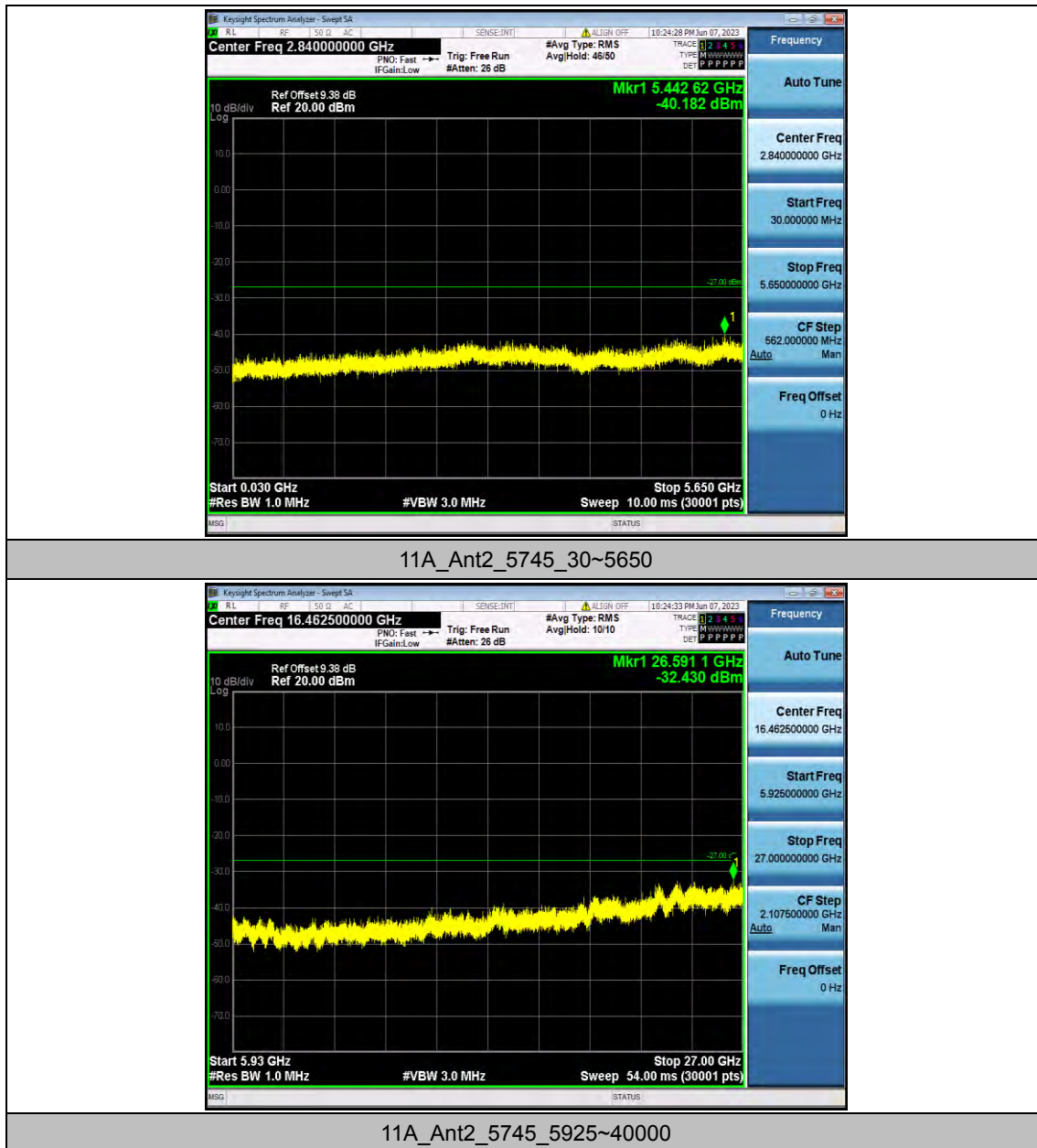
11AC80SISO_Ant2_High_5775

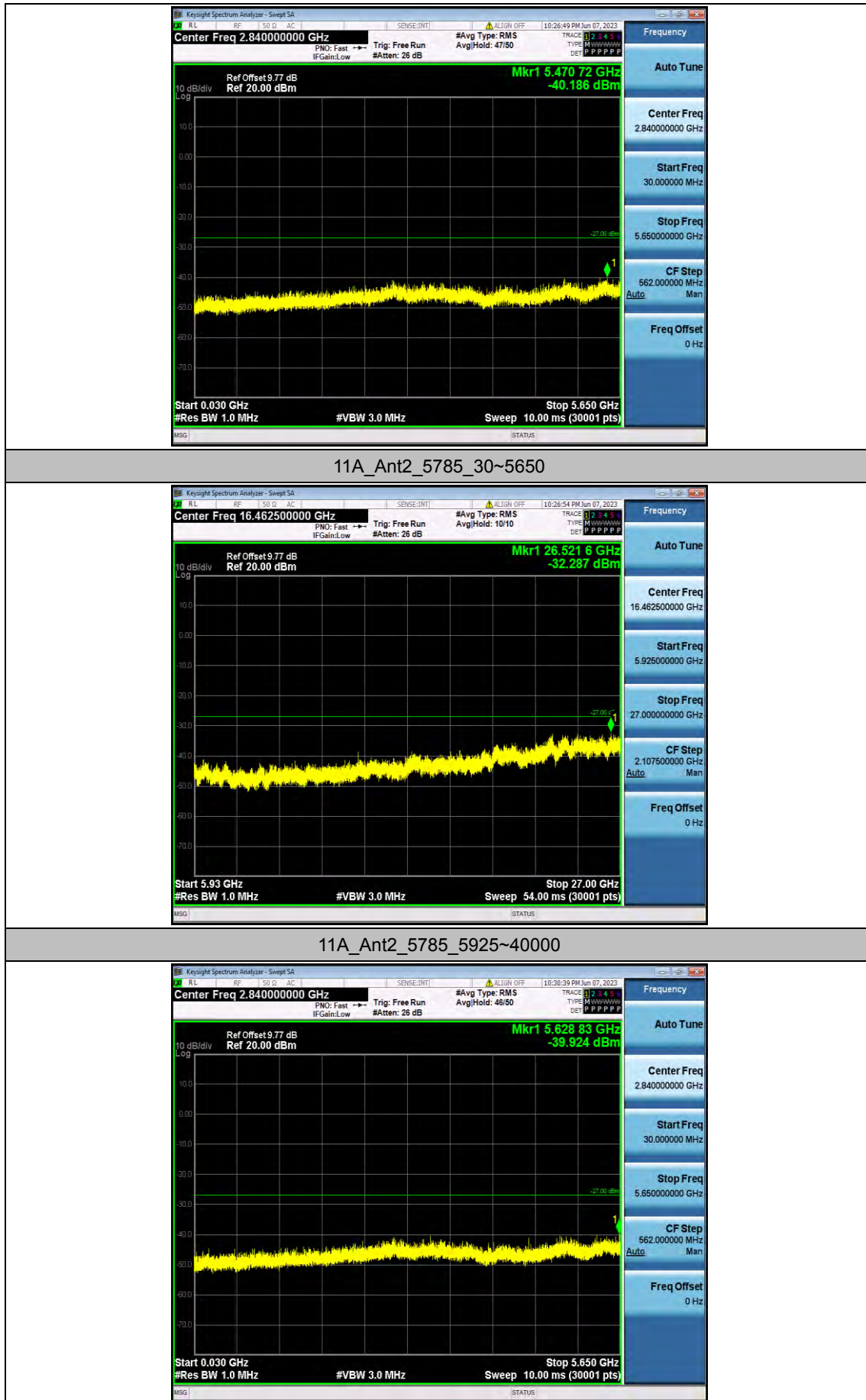
Appendix E.7: Conducted Spurious Emission

Test Result

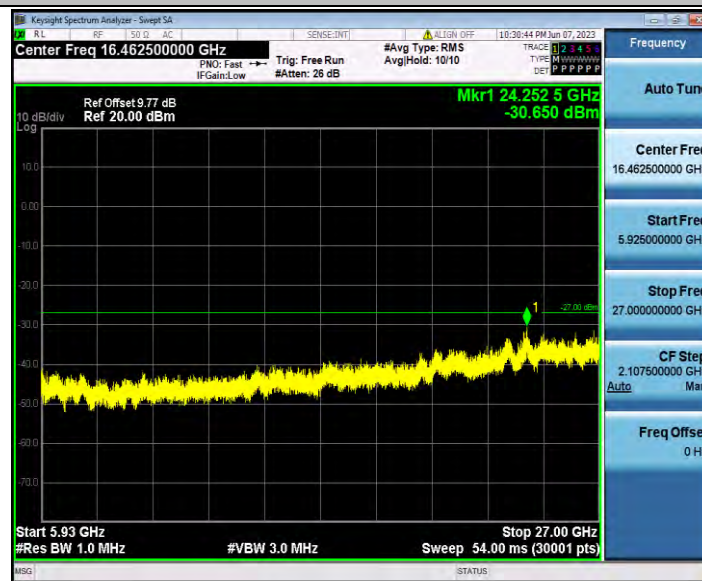
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant2	5745	30~5650	5442.62	-40.18	≤-27	PASS
			5925~40000	26591.15	-32.43	≤-27	PASS
		5785	30~5650	5470.72	-40.19	≤-27	PASS
			5925~40000	26521.6	-32.29	≤-27	PASS
		5825	30~5650	5628.83	-39.92	≤-27	PASS
			5925~40000	24252.52	-30.65	≤-27	PASS
11N20SISO	Ant2	5745	30~5650	4864.32	-41.62	≤-27	PASS
			5925~40000	24759.73	-32.62	≤-27	PASS
		5785	30~5650	5532.35	-39.85	≤-27	PASS
			5925~40000	25642.07	-31.54	≤-27	PASS
		5825	30~5650	5432.88	-39.85	≤-27	PASS
			5925~40000	24265.17	-32.42	≤-27	PASS
11N40SISO	Ant2	5755	30~5650	5510.62	-41.22	≤-27	PASS
			5925~40000	24201.94	-32.57	≤-27	PASS
		5795	30~5650	5461.36	-40.4	≤-27	PASS
			5925~40000	24183.68	-32.27	≤-27	PASS
11AC20SISO	Ant2	5745	30~5650	4924.65	-40.5	≤-27	PASS
			5925~40000	26944.5	-32.86	≤-27	PASS
		5785	30~5650	5379.68	-40.33	≤-27	PASS
			5925~40000	24756.92	-32.34	≤-27	PASS
		5825	30~5650	5451.8	-39.98	≤-27	PASS
			5925~40000	26534.95	-32.55	≤-27	PASS
11AC40SISO	Ant2	5755	30~5650	5506.88	-40.91	≤-27	PASS
			5925~40000	26492.8	-32.69	≤-27	PASS
		5795	30~5650	5486.83	-40.63	≤-27	PASS
			5925~40000	24207.56	-32.21	≤-27	PASS
11AC80SISO	Ant2	5775	30~5650	5636.14	-40.83	≤-27	PASS
			5925~40000	26603.79	-33.04	≤-27	PASS

Test Graphs





11A_Ant2_5825_30~5650



11A_Ant2_5825_5925~40000



11N20SISO_Ant2_5745_30~5650



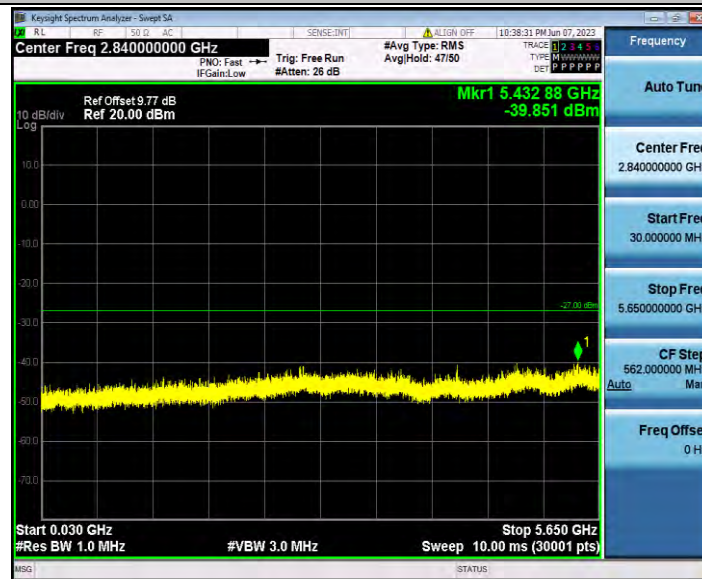
11N20SISO_Ant2_5745_5925~40000



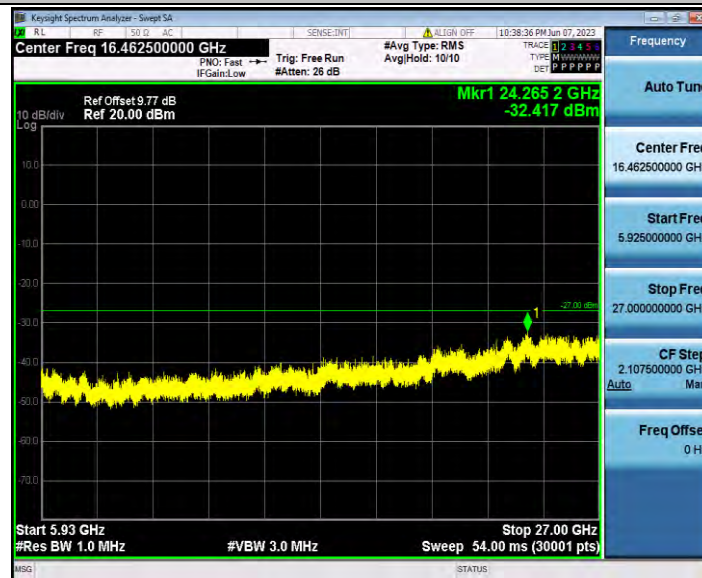
11N20SISO_Ant2_5785_30~5650



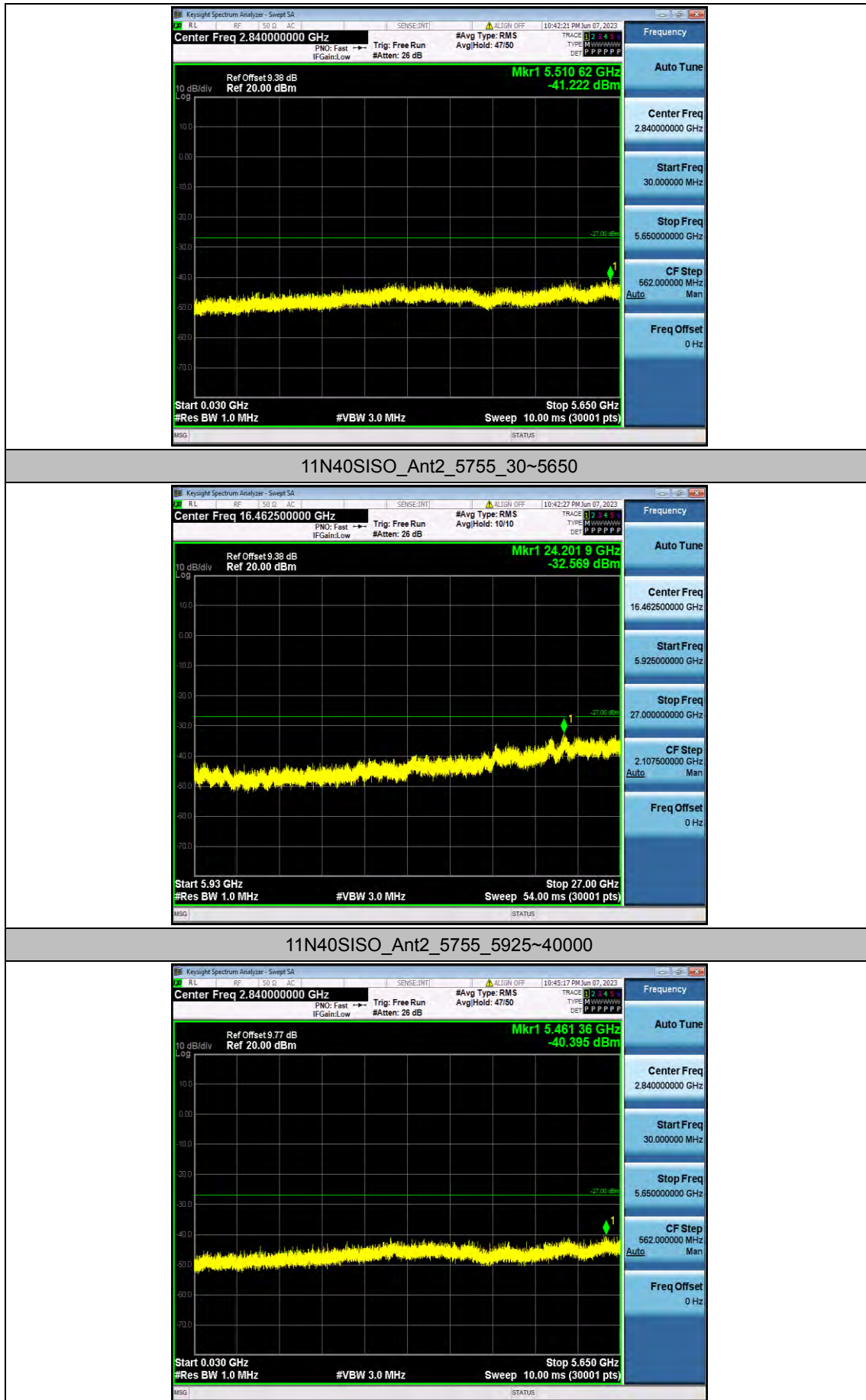
11N20SISO_Ant2_5785_5925~40000



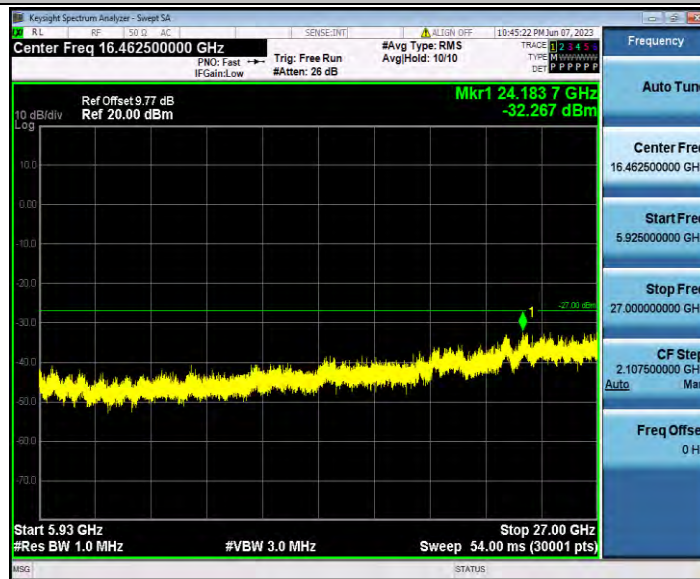
11N20SISO_Ant2_5825_30~5650



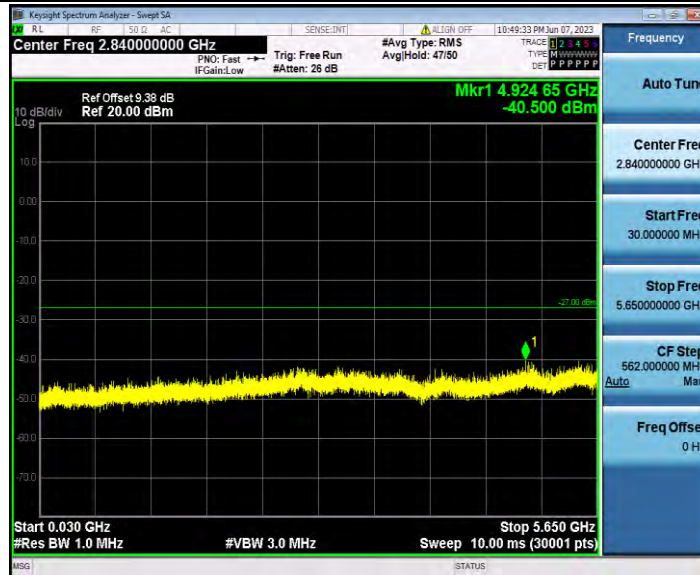
11N20SISO_Ant2_5825_5925~40000



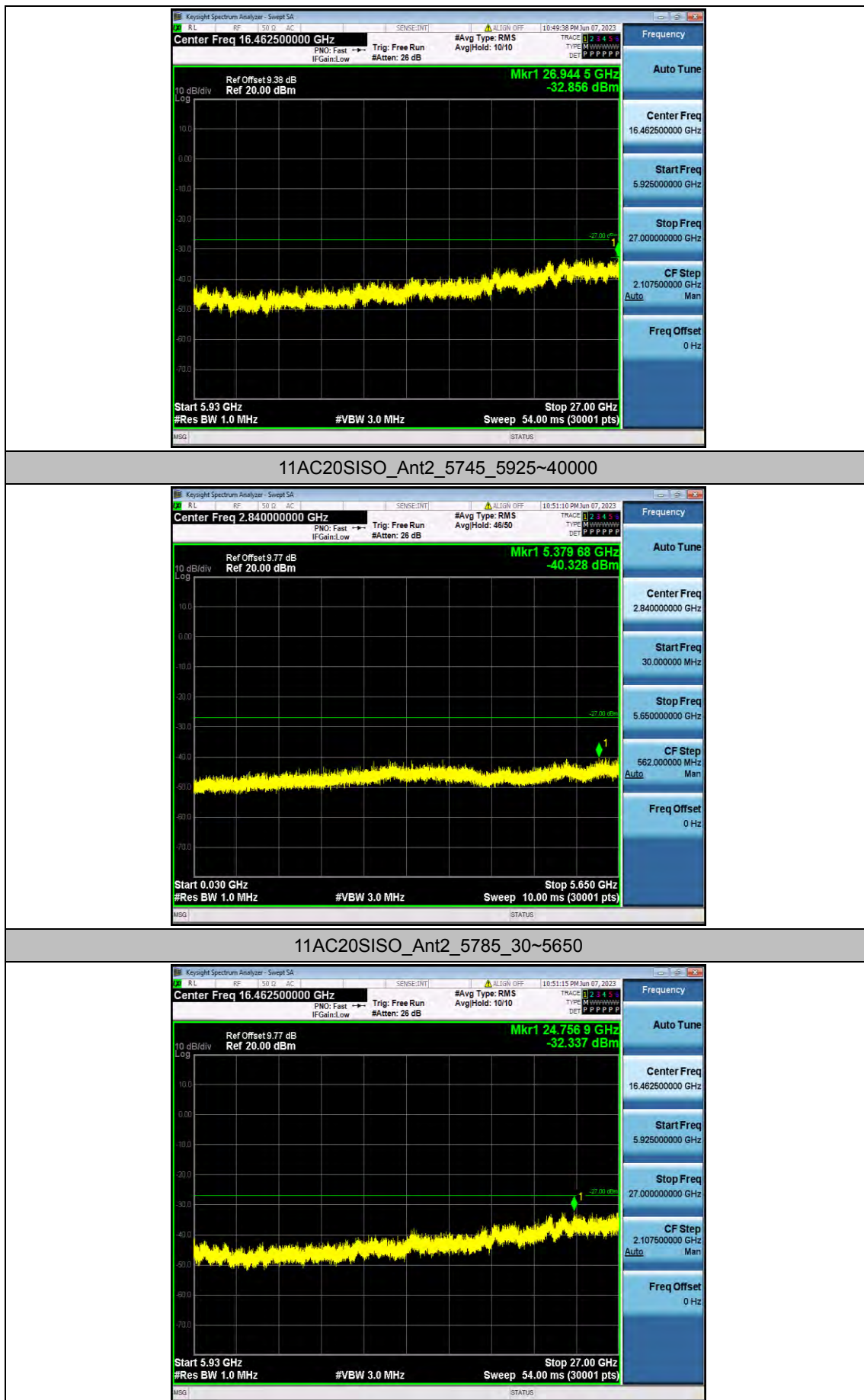
11N40SISO_Ant2_5795_30~5650



11N40SISO_Ant2_5795_5925~40000



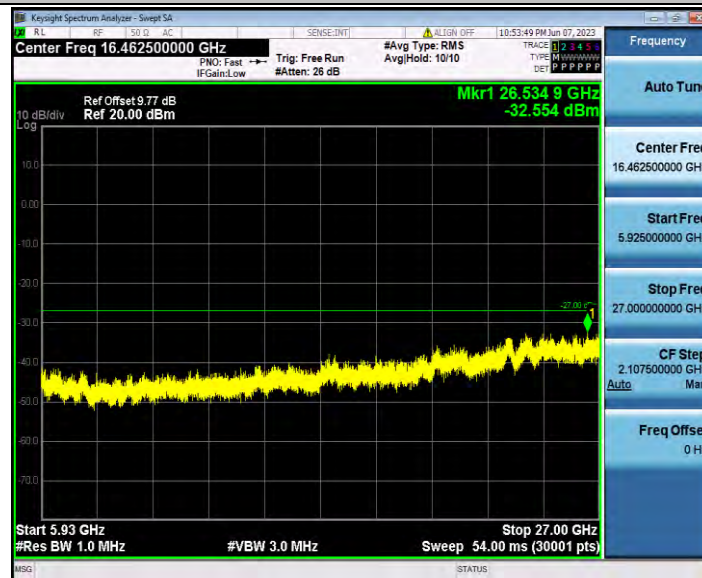
11AC20SISO_Ant2_5745_30~5650



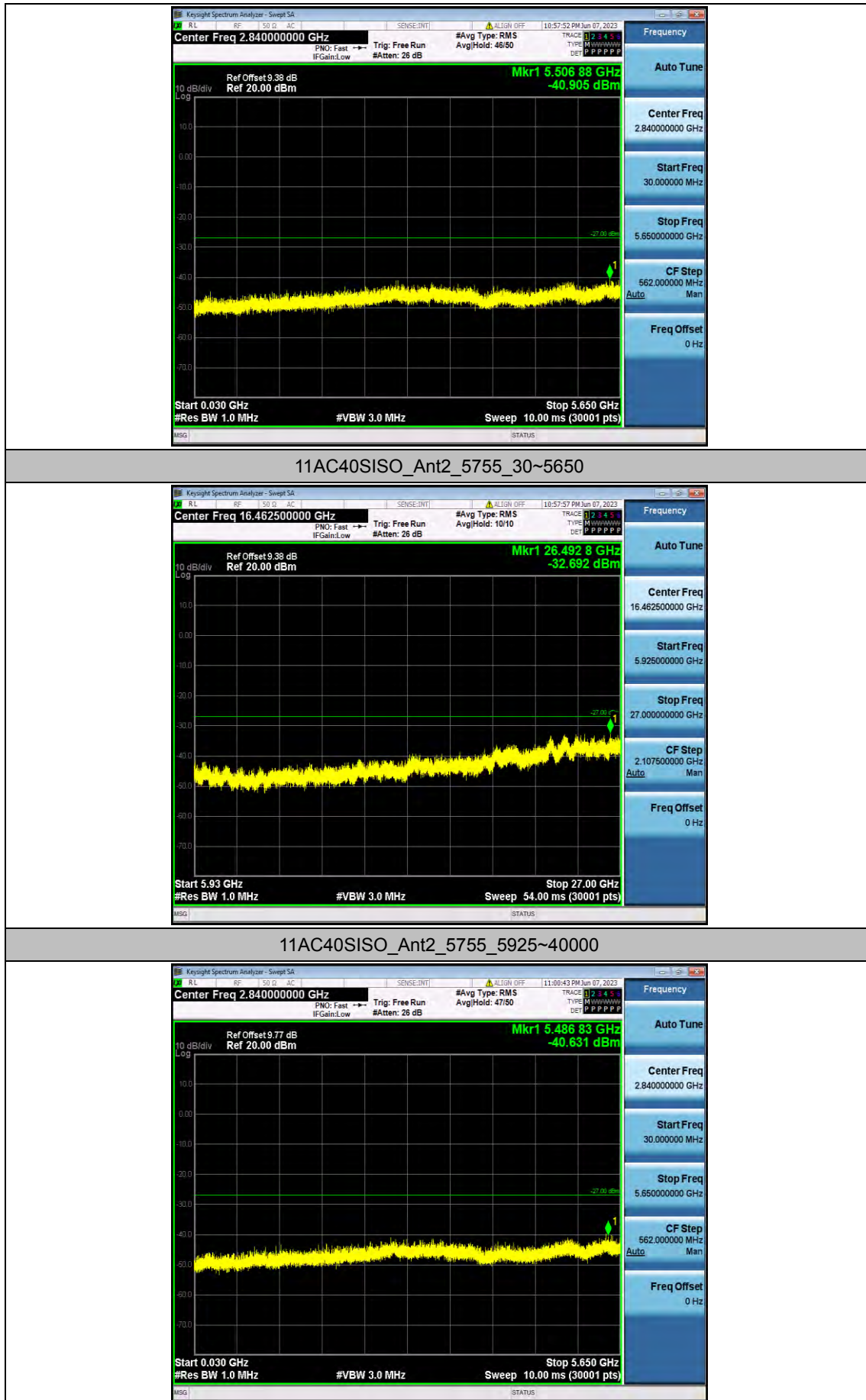
11AC20SISO_Ant2_5785_5925~40000



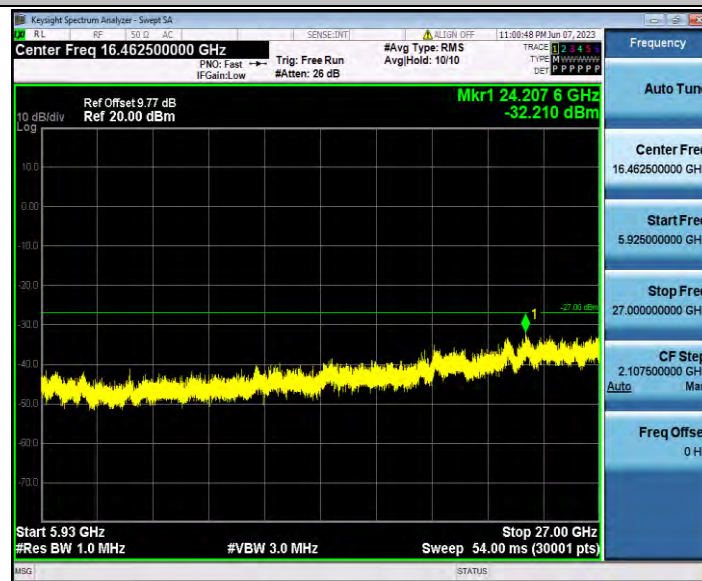
11AC20SISO_Ant2_5825_30~5650



11AC20SISO_Ant2_5825_5925~40000



11AC40SISO_Ant2_5795_30~5650



11AC40SISO_Ant2_5795_5925~40000



11AC80SISO_Ant2_5775_30~5650

