

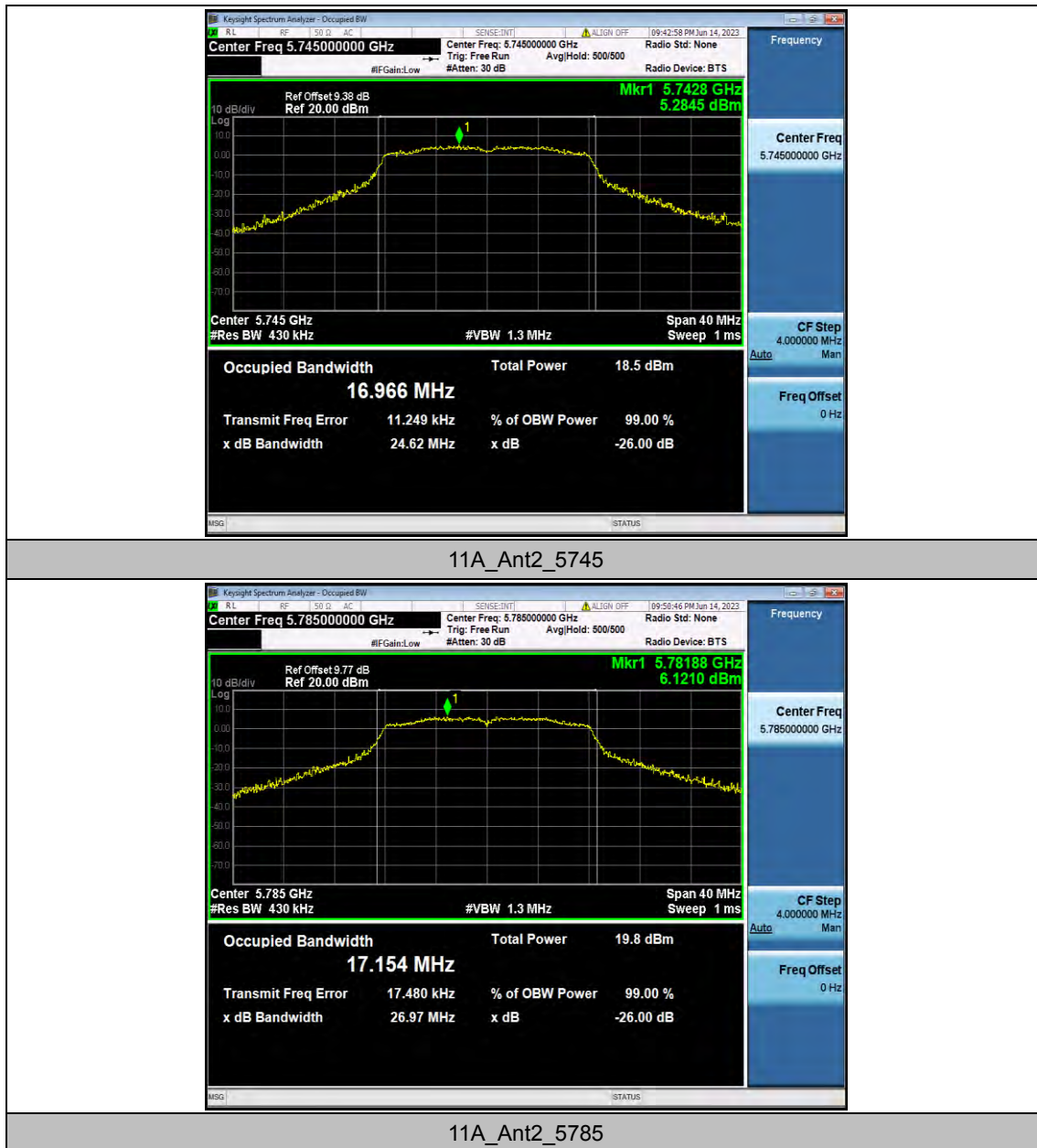
Case No. : <u>GTS20230525016-1-22</u>	
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.6.14</u>	Test Engineer: <u>Jenny zeng</u>

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	16.966	5736.528	5753.494	---	---
		5785	17.154	5776.440	5793.594	---	---
		5825	17.114	5816.403	5833.517	---	---
11N20SISO	Ant2	5745	18.161	5735.924	5754.085	---	---
		5785	18.221	5775.899	5794.120	---	---
		5825	18.233	5815.840	5834.073	---	---
11N40SISO	Ant2	5755	36.405	5736.898	5773.303	---	---
		5795	36.421	5776.873	5813.294	---	---
11AC20SISO	Ant2	5745	18.094	5735.960	5754.054	---	---
		5785	18.186	5775.921	5794.107	---	---
		5825	18.294	5815.826	5834.120	---	---
11AC40SISO	Ant2	5755	36.354	5736.899	5773.253	---	---
		5795	36.400	5776.831	5813.231	---	---
11AC80SISO	Ant2	5775	76.450	5736.931	5813.381	---	---

Test Graphs

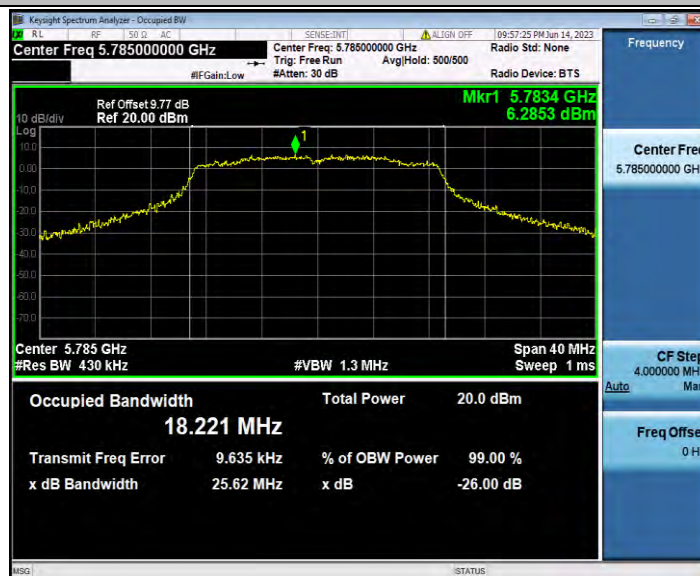




11A_Ant2_5825



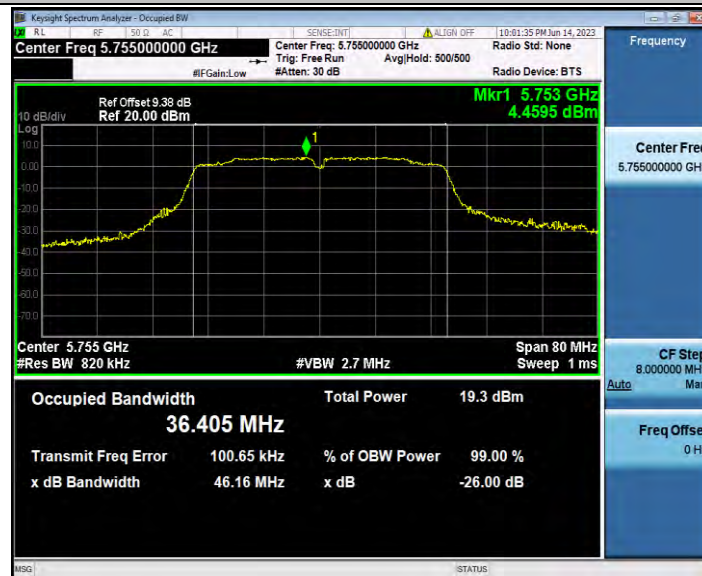
11N20SISO_Ant2_5745



11N20SISO_Ant2_5785



11N20SISO_Ant2_5825



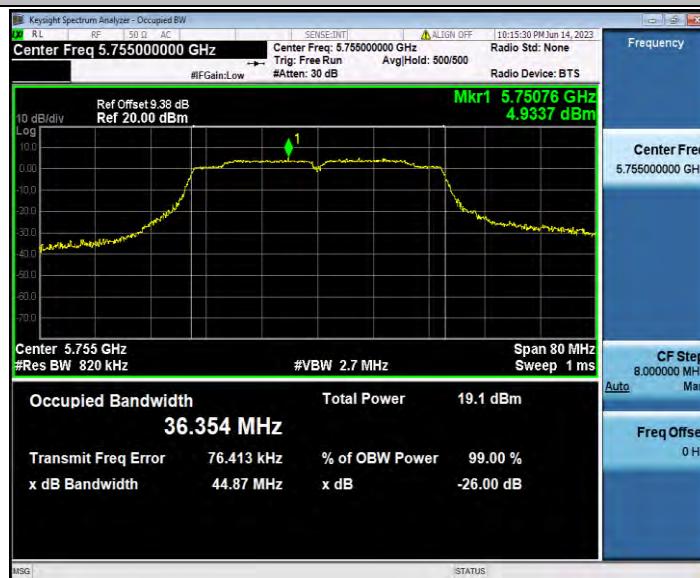
11N40SISO_Ant2_5755



11AC20SISO_Ant2_5785



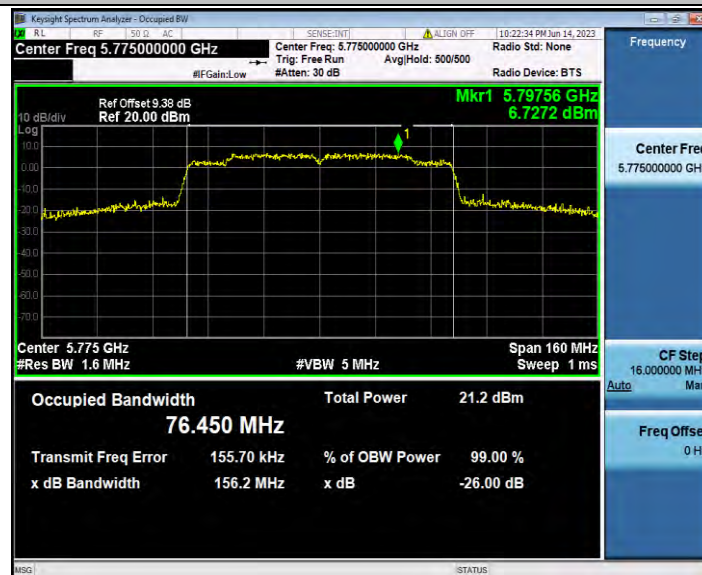
11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



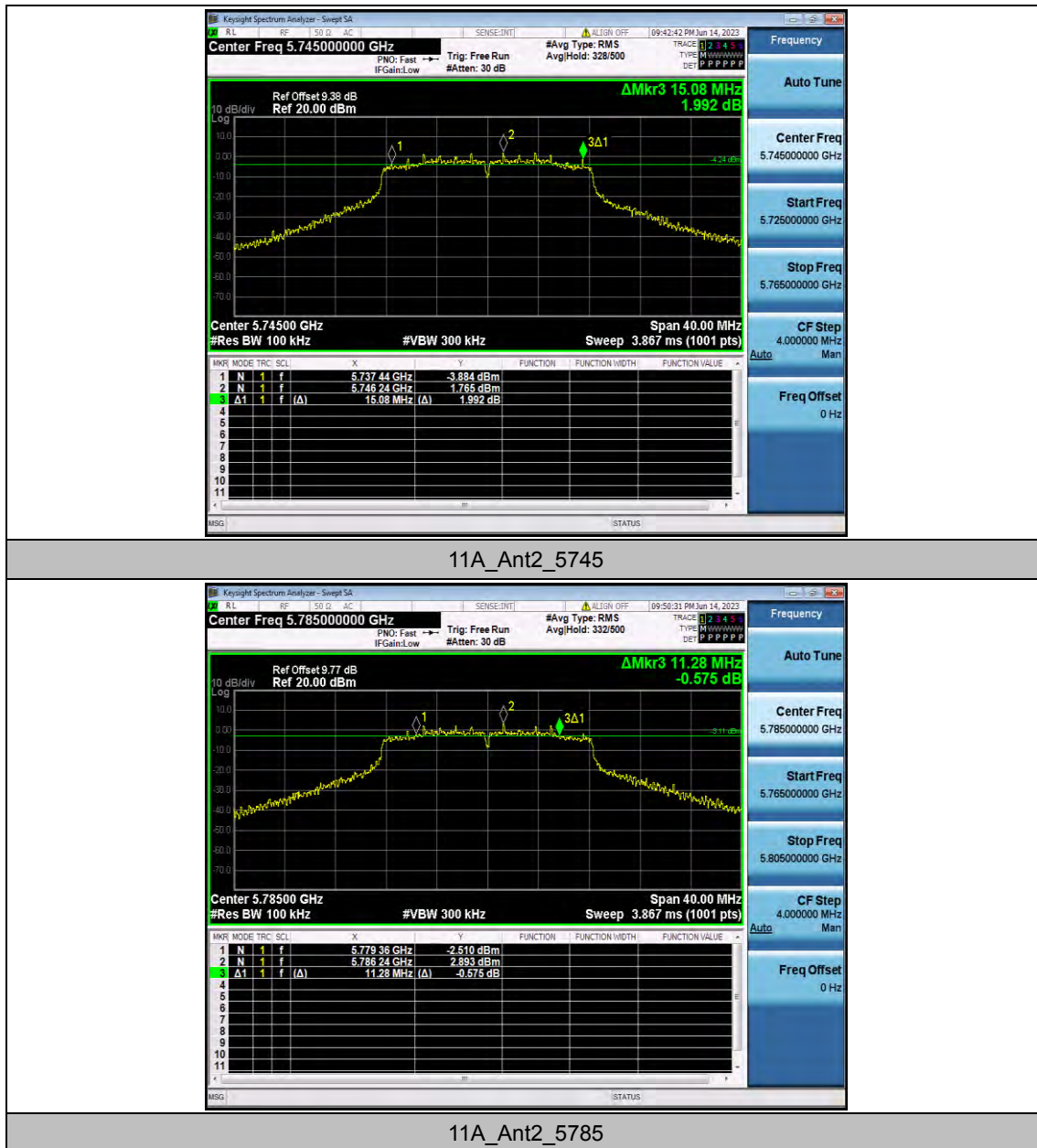
11AC80SISO_Ant2_5775

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	15.080	5737.440	5752.520	0.5	PASS
		5785	11.280	5779.360	5790.640	0.5	PASS
		5825	14.920	5817.560	5832.480	0.5	PASS
11N20SISO	Ant2	5745	15.120	5737.440	5752.560	0.5	PASS
		5785	15.160	5777.400	5792.560	0.5	PASS
		5825	17.120	5816.240	5833.360	0.5	PASS
11N40SISO	Ant2	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC20SISO	Ant2	5745	15.080	5737.440	5752.520	0.5	PASS
		5785	15.160	5777.400	5792.560	0.5	PASS
		5825	15.120	5817.400	5832.520	0.5	PASS
11AC40SISO	Ant2	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.120	5777.400	5812.520	0.5	PASS
11AC80SISO	Ant2	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4





11A_Ant2_5825



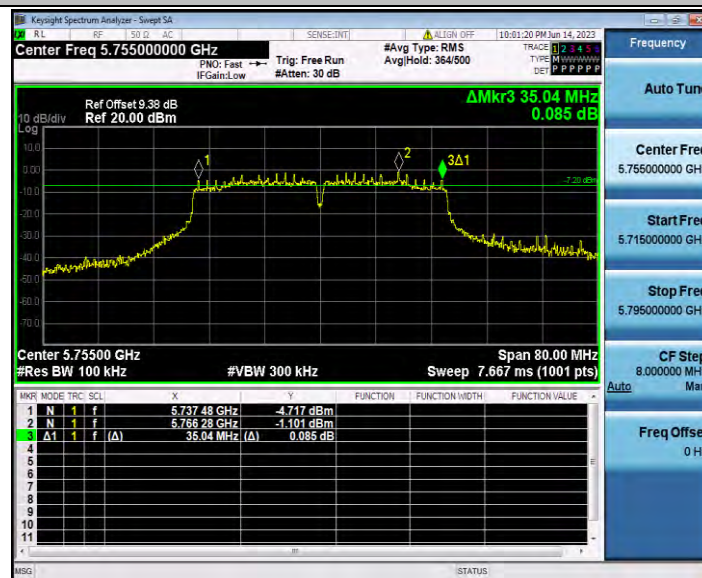
11N20SISO_Ant2_5745



11N20SISO_Ant2_5785



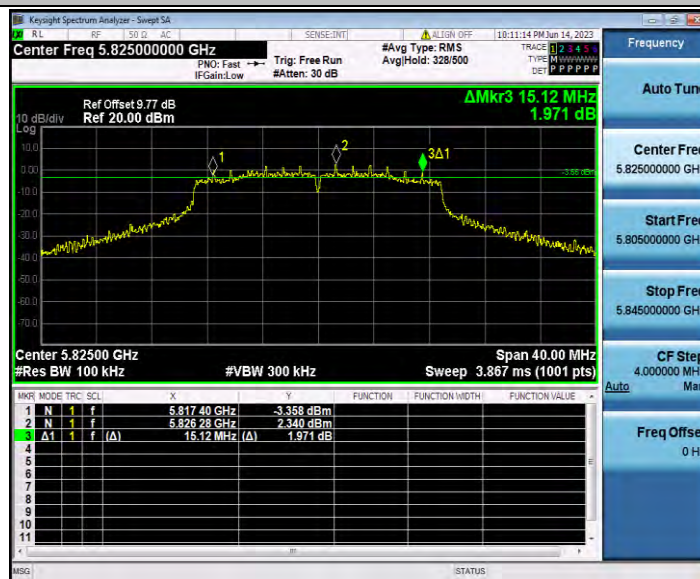
11N20SISO_Ant2_5825



11N40SISO_Ant2_5755



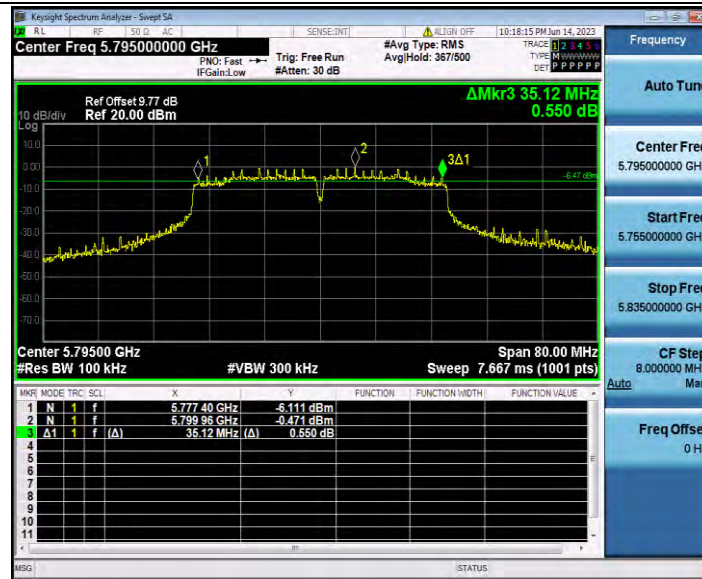
11AC20SISO_Ant2_5785



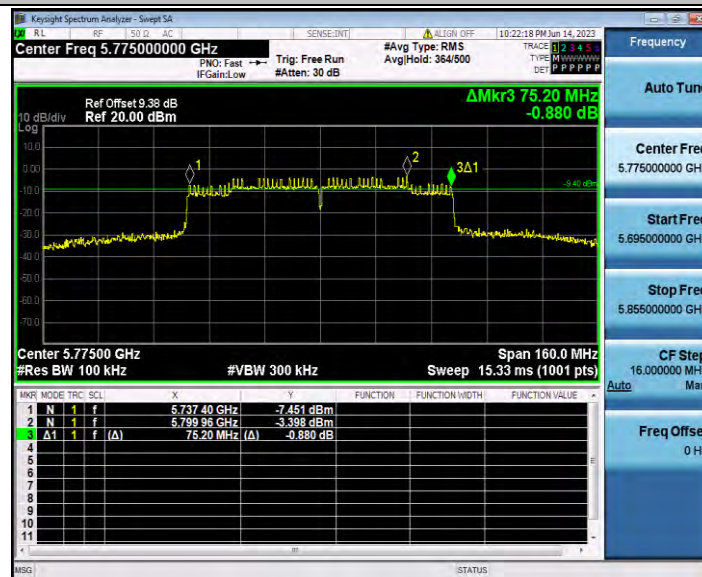
11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



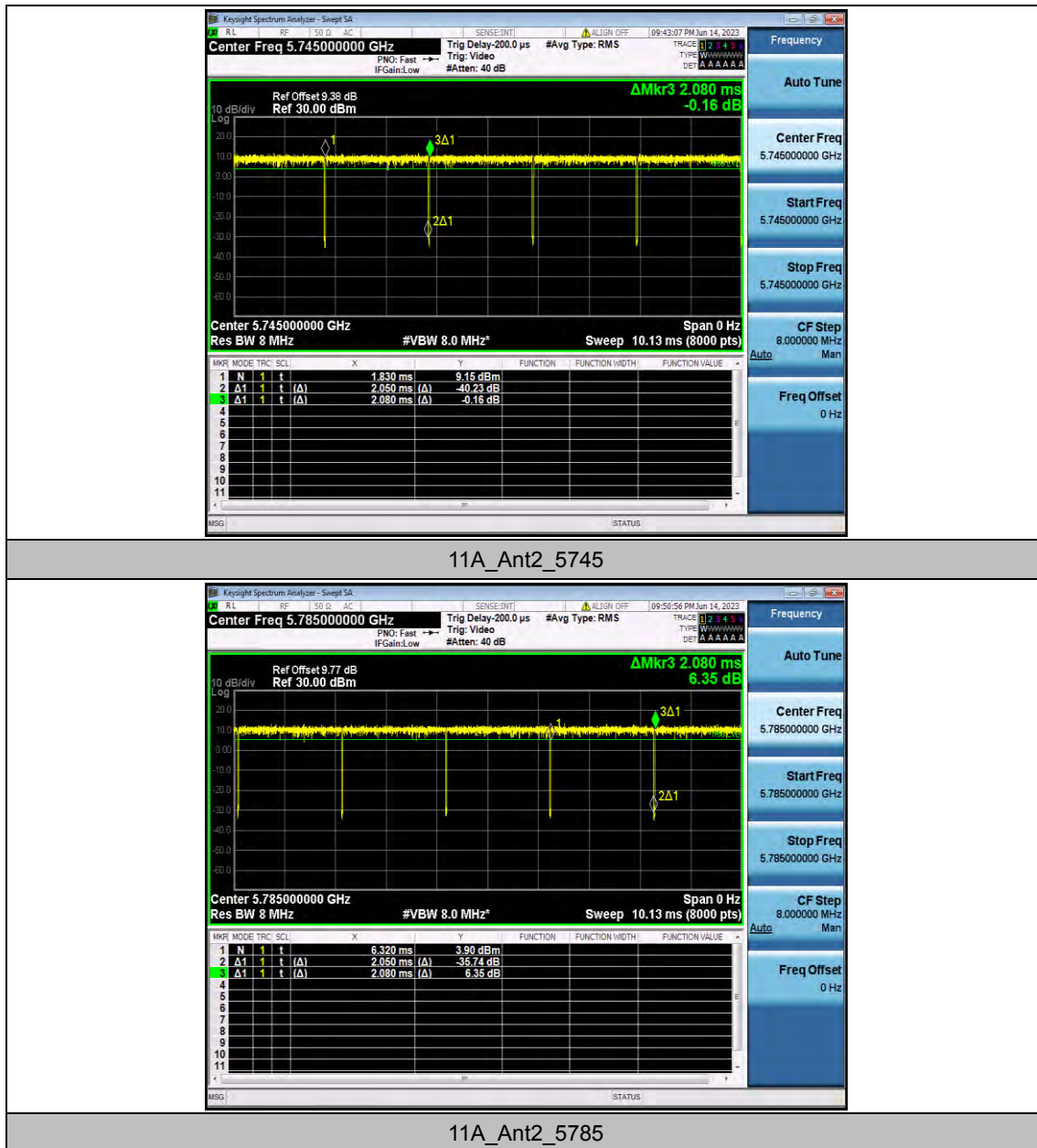
11AC80SISO_Ant2_5775

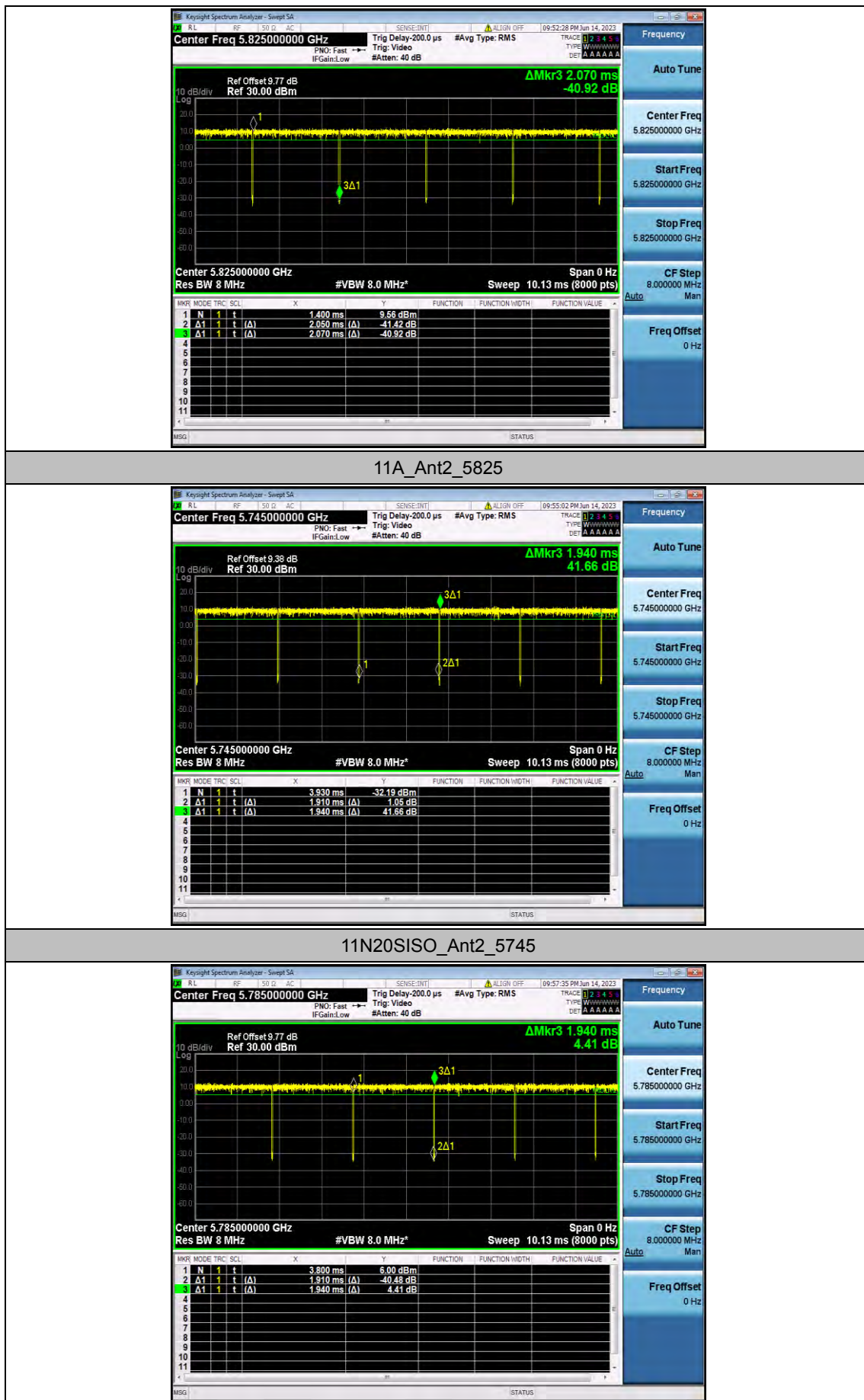
Appendix E.3: Duty Cycle

Test Result

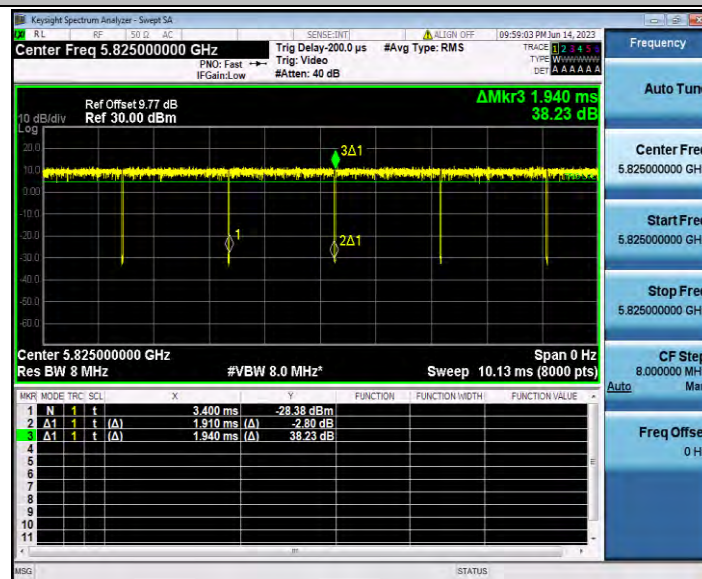
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant2	5745	2.05	2.08	98.56
		5785	2.05	2.08	98.56
		5825	2.05	2.07	99.03
11N20SISO	Ant2	5745	1.91	1.94	98.45
		5785	1.91	1.94	98.45
		5825	1.91	1.94	98.45
11N40SISO	Ant2	5755	0.94	0.96	97.92
		5795	0.93	0.96	96.88
11AC20SISO	Ant2	5745	1.92	1.94	98.97
		5785	1.92	1.94	98.97
		5825	1.92	1.95	98.46
11AC40SISO	Ant2	5755	0.94	0.97	96.91
		5795	0.95	0.97	97.94
11AC80SISO	Ant2	5775	0.44	0.47	93.62

Test Graphs

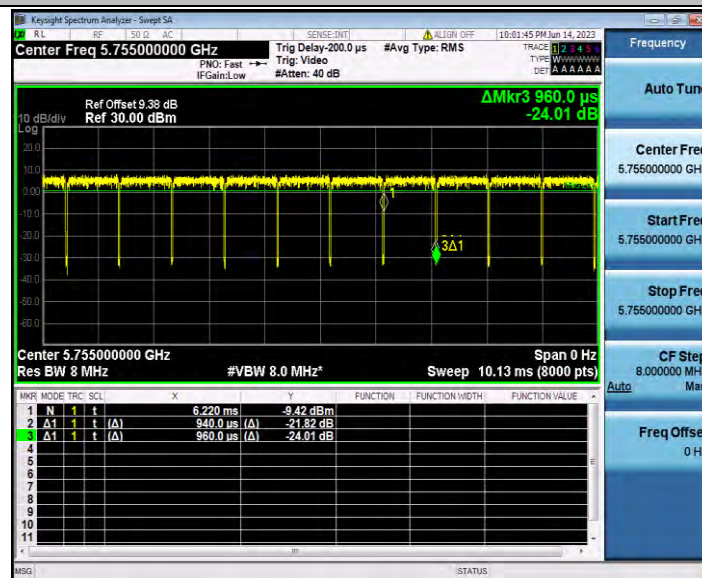




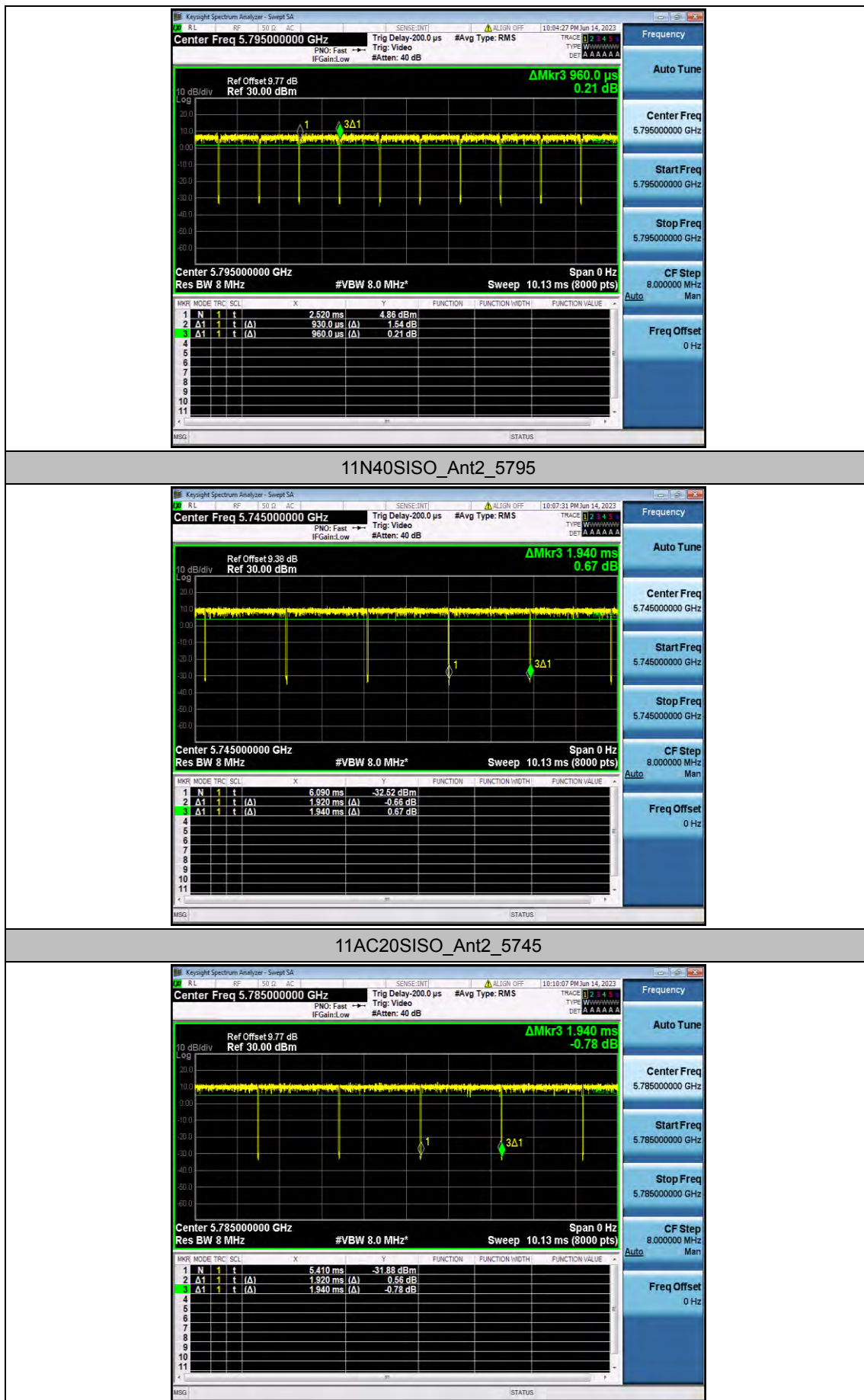
11N20SISO_Ant2_5785



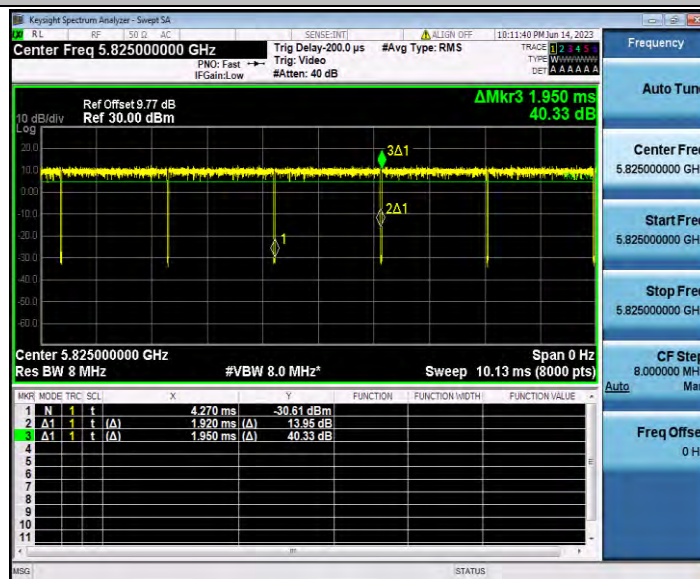
11N20SISO_Ant2_5825



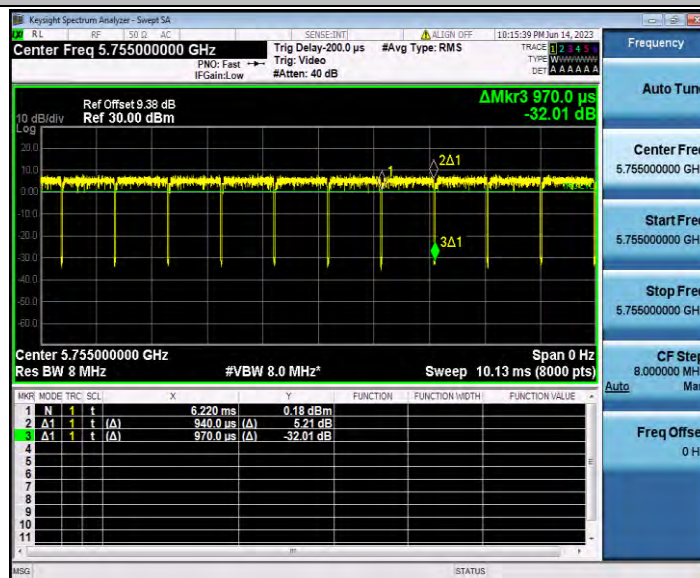
11N40SISO_Ant2_5755



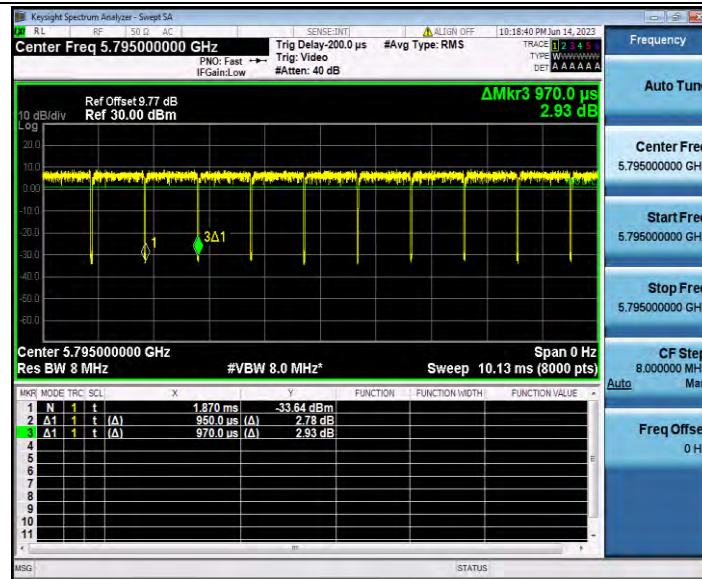
11AC20SISO_Ant2_5785



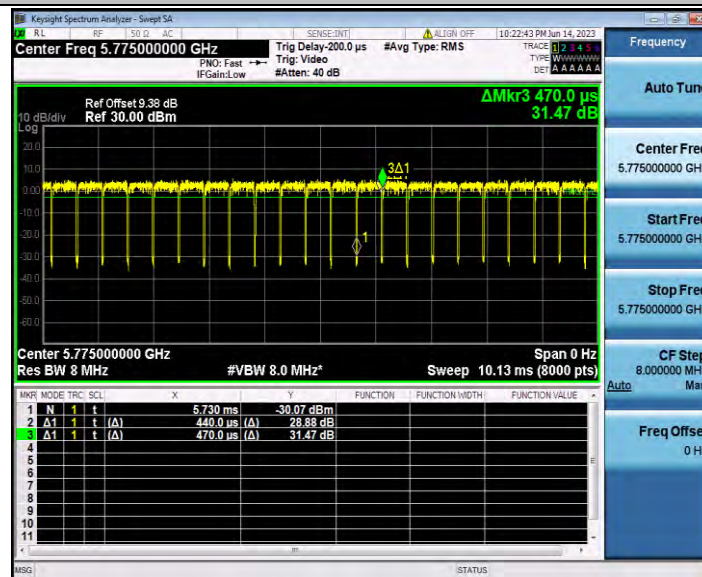
11AC20SISO_Ant2_5825



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	11.61	98.56	0.06	11.67	≤30.00	PASS
		5785	12.93	98.56	0.06	12.99	≤30.00	PASS
		5825	12.24	99.03	0.04	12.28	≤30.00	PASS
11N20SISO	Ant2	5745	11.76	98.45	0.07	11.83	≤30.00	PASS
		5785	12.97	98.45	0.07	13.04	≤30.00	PASS
		5825	12.23	98.45	0.07	12.30	≤30.00	PASS
11N40SISO	Ant2	5755	11.64	97.92	0.09	11.73	≤30.00	PASS
		5795	12.38	96.88	0.14	12.52	≤30.00	PASS
11AC20SISO	Ant2	5745	11.97	98.97	0.04	12.01	≤30.00	PASS
		5785	12.61	98.97	0.04	12.65	≤30.00	PASS
		5825	12.24	98.46	0.07	12.31	≤30.00	PASS
11AC40SISO	Ant2	5755	11.37	96.91	0.14	11.51	≤30.00	PASS
		5795	12.43	97.94	0.09	12.52	≤30.00	PASS
11AC80SISO	Ant2	5775	11.96	93.62	0.29	12.25	≤30.00	PASS

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

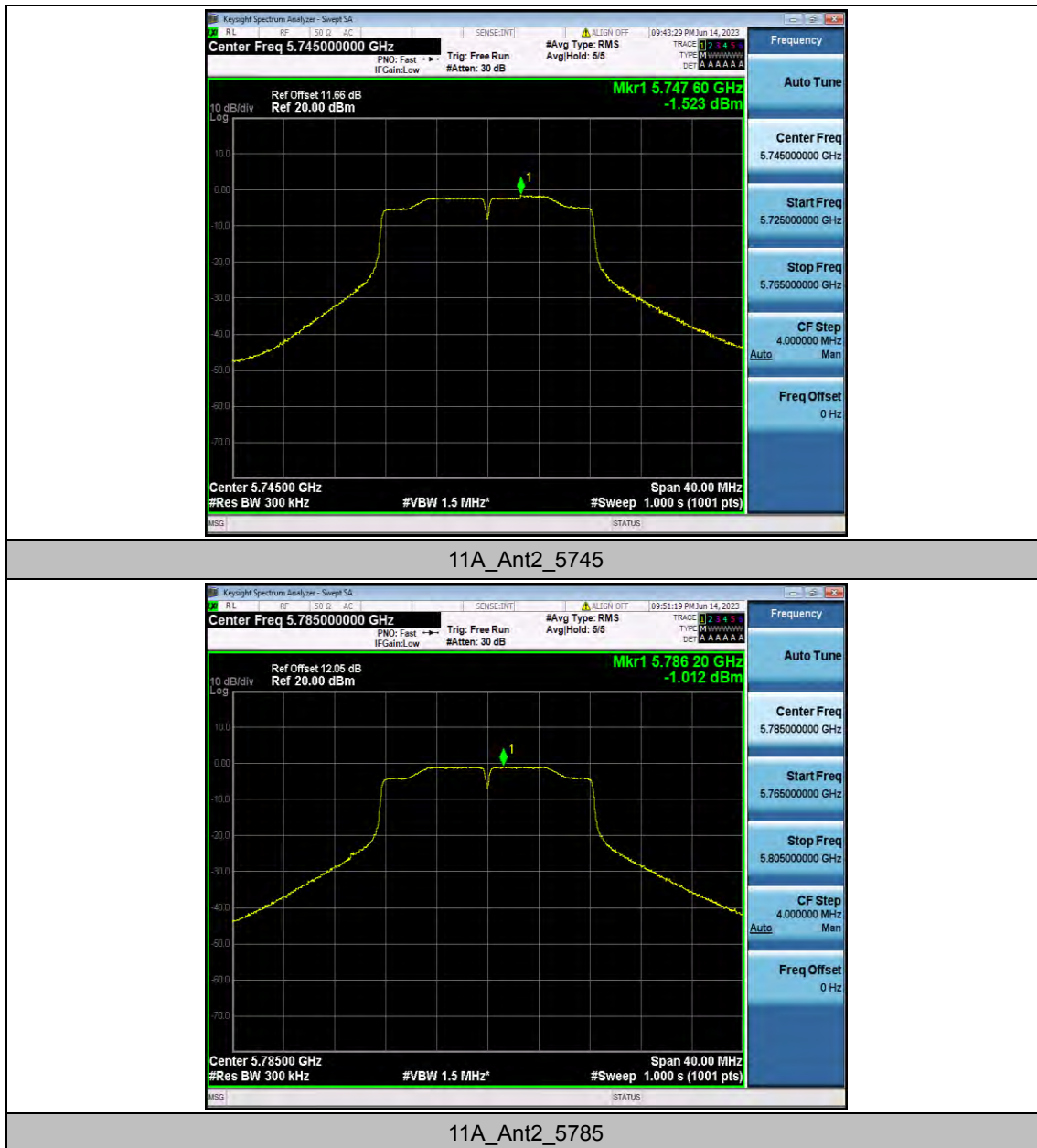
Appendix E.5: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant2	5745	-1.52	≤30.00	PASS
		5785	-1.01	≤30.00	PASS
		5825	-1.61	≤30.00	PASS
11N20SISO	Ant2	5745	-2.24	≤30.00	PASS
		5785	-1.22	≤30.00	PASS
		5825	-1.92	≤30.00	PASS
11N40SISO	Ant2	5755	-5.24	≤30.00	PASS
		5795	-4.63	≤30.00	PASS
11AC20SISO	Ant2	5745	-1.94	≤30.00	PASS
		5785	-0.87	≤30.00	PASS
		5825	-1.54	≤30.00	PASS
11AC40SISO	Ant2	5755	-5.22	≤30.00	PASS
		5795	-4.28	≤30.00	PASS
11AC80SISO	Ant2	5775	-7.68	≤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

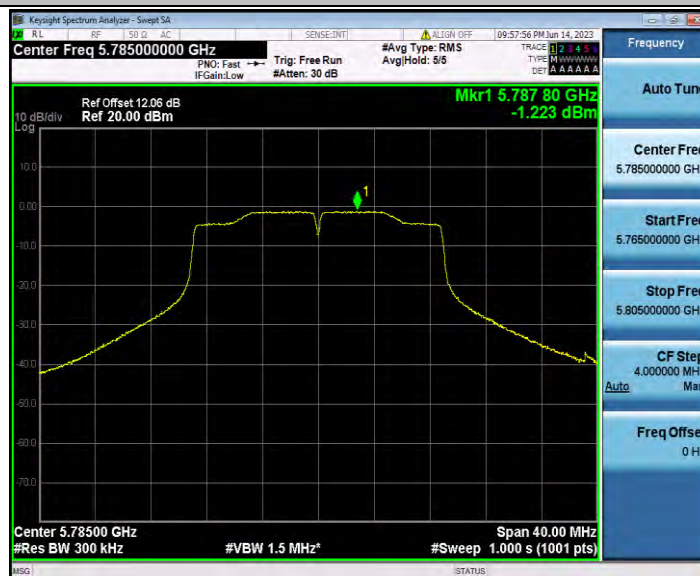




11A_Ant2_5825



11N20SISO_Ant2_5745



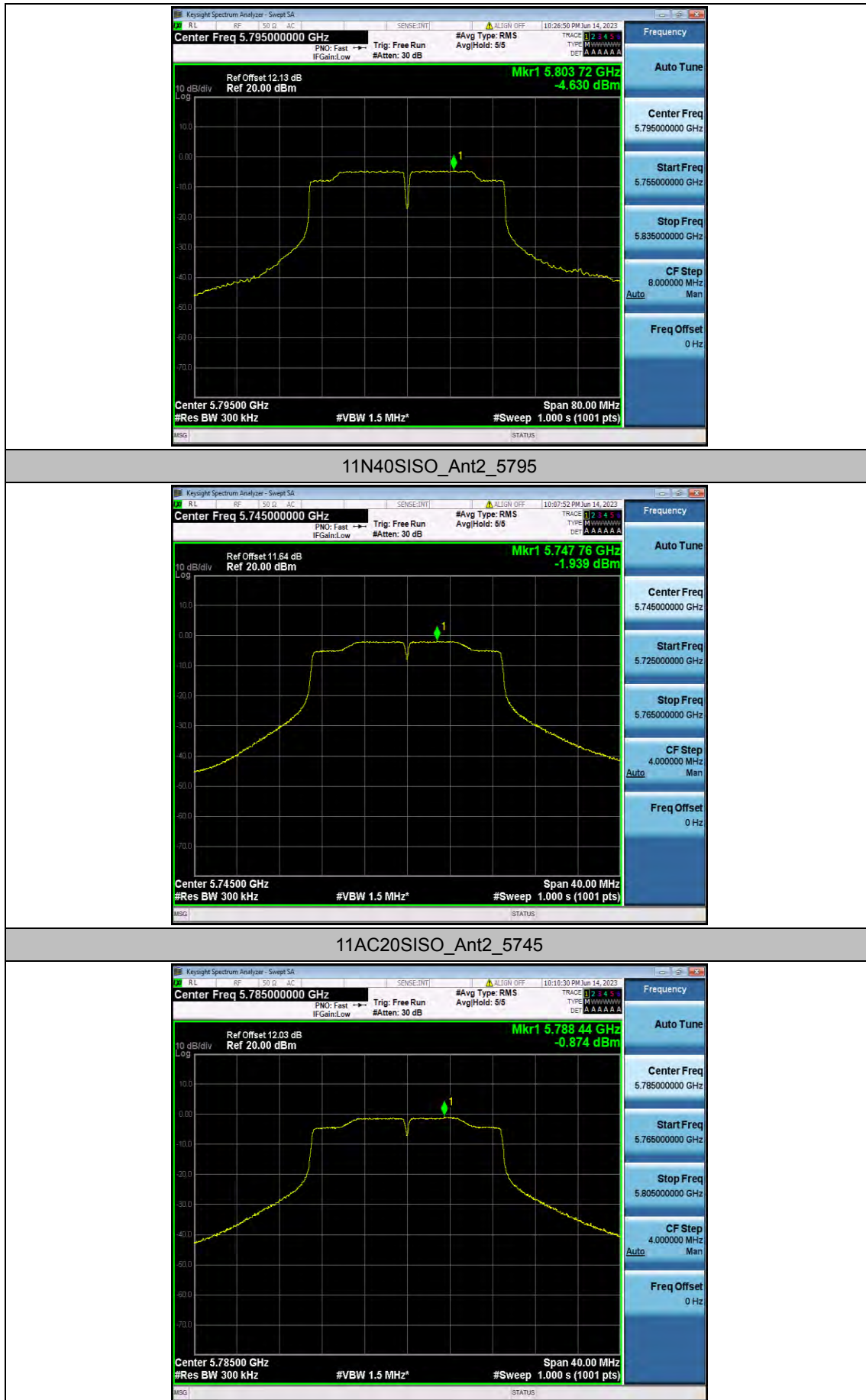
11N20SISO_Ant2_5785



11N20SISO_Ant2_5825



11N40SISO_Ant2_5755



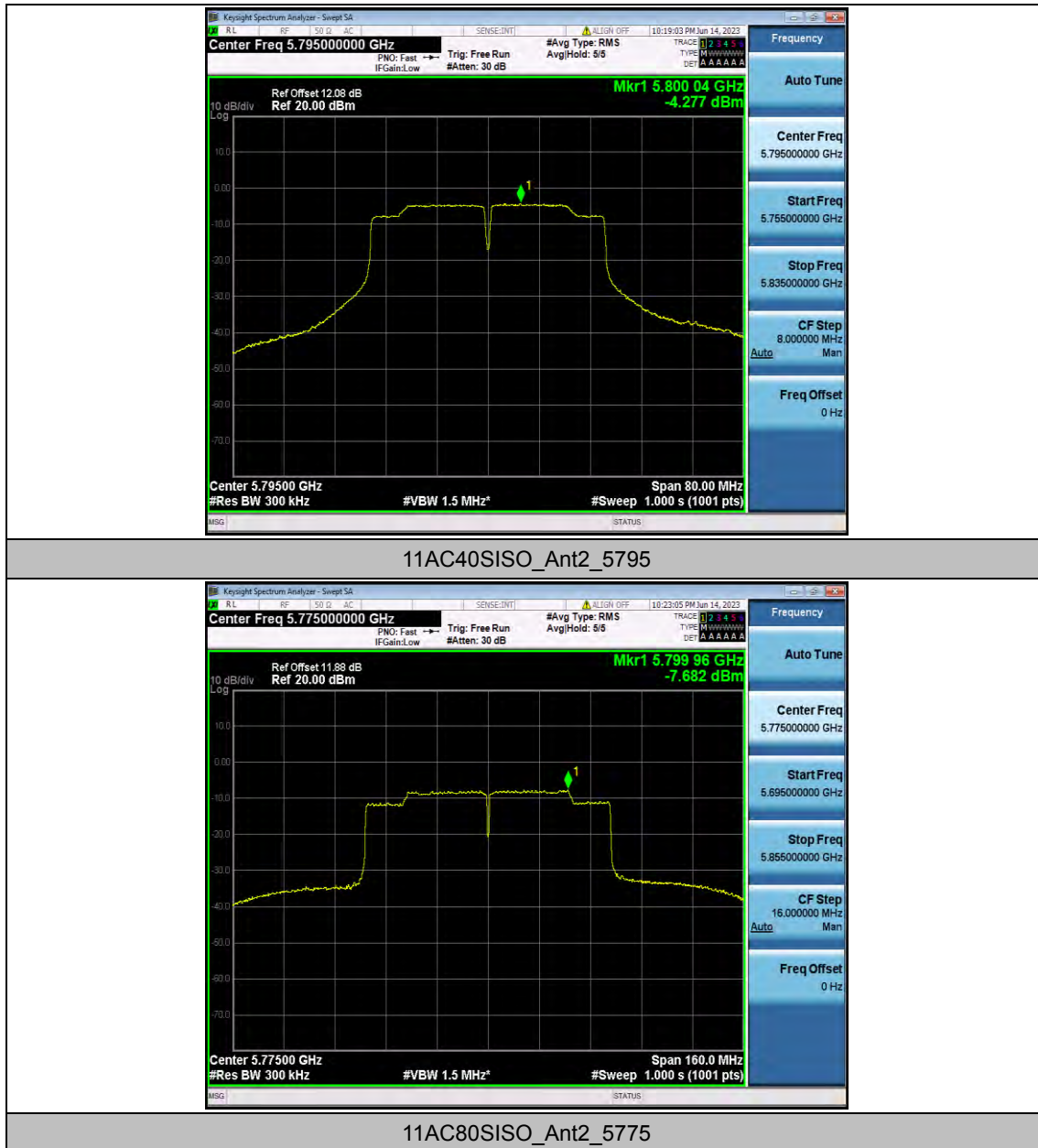
11AC20SISO_Ant2_5785



11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



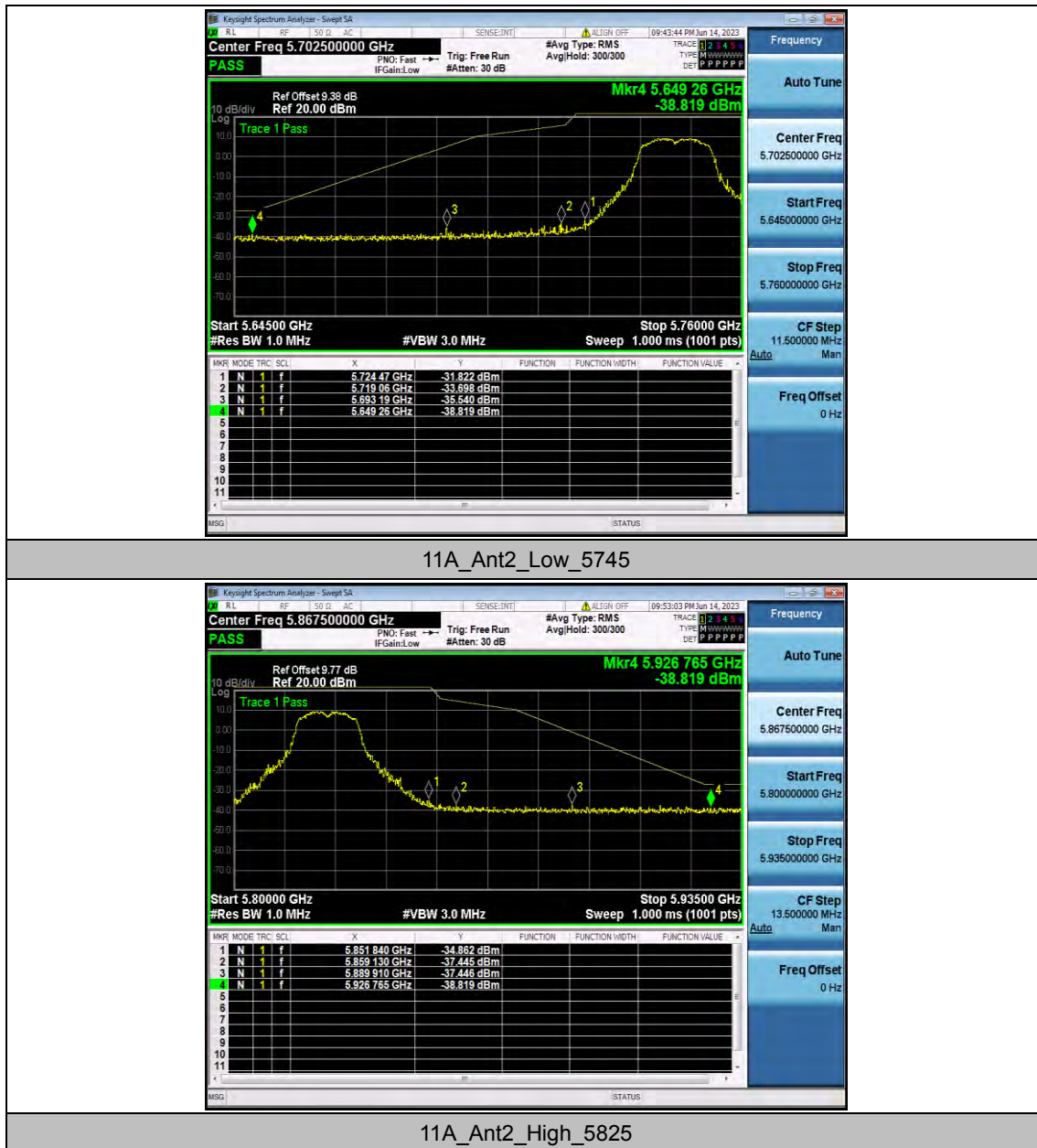
Appendix E.6: Band edge measurements

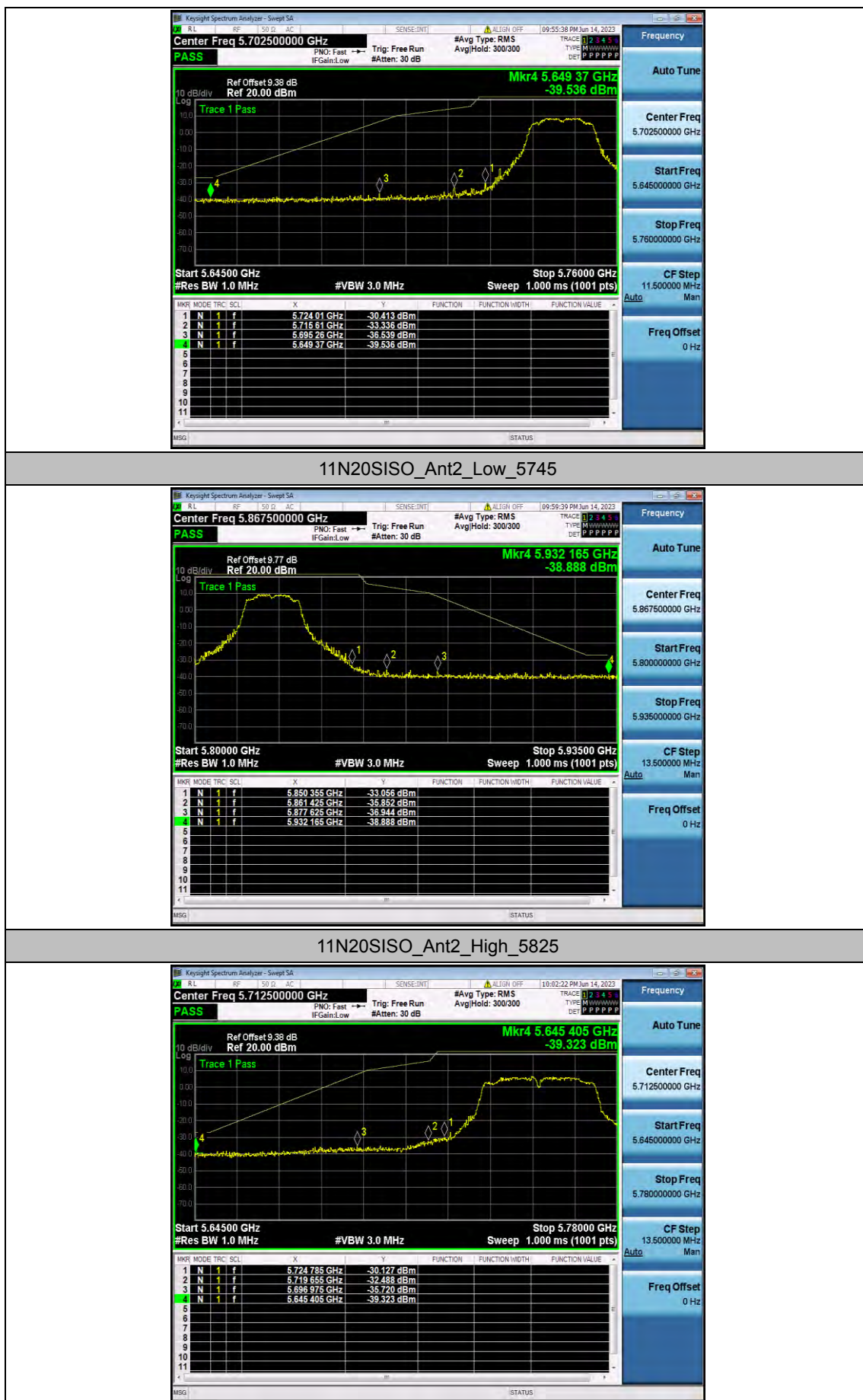
Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	Low	5745	5650~5700	-35.54	≤4.96	PASS
				5700~5720	-33.7	≤15.34	PASS
				5720~5725	-31.82	≤25.78	PASS
				5760~5650	-38.82	≤-27	PASS
		High	5825	5850~5855	-34.86	≤19.80	PASS
				5855~5875	-37.45	≤11.16	PASS
				5875~5925	-37.45	≤-15.97	PASS
				5925~5935	-38.82	≤-27	PASS
11N20SISO	Ant2	Low	5745	5650~5700	-36.54	≤6.49	PASS
				5700~5720	-33.34	≤14.37	PASS
				5720~5725	-30.41	≤24.73	PASS
				5760~5650	-39.54	≤-27	PASS
		High	5825	5850~5855	-33.06	≤16.41	PASS
				5855~5875	-35.85	≤11.80	PASS
				5875~5925	-36.94	≤-25.06	PASS
				5925~5935	-38.89	≤-27	PASS
11N40SISO	Ant2	Low	5755	5650~5700	-35.72	≤7.76	PASS
				5700~5720	-32.49	≤15.50	PASS
				5720~5725	-30.13	≤26.51	PASS
				5780~5650	-39.32	≤-27	PASS
		High	5795	5850~5855	-37.61	≤21.68	PASS
				5855~5875	-37.75	≤10.87	PASS
				5875~5925	-37.82	≤-7.63	PASS
				5925~5935	-38.52	≤-27	PASS
11AC20SISO	Ant2	Low	5745	5650~5700	-37.02	≤4.02	PASS
				5700~5720	-34.49	≤14.98	PASS
				5720~5725	-30.27	≤25.26	PASS
				5760~5650	-39.2	≤-27	PASS
		High	5825	5850~5855	-33.12	≤15.79	PASS
				5855~5875	-35.62	≤11.57	PASS
				5875~5925	-37.72	≤-18.76	PASS
				5925~5935	-38.12	≤-27	PASS
11AC40SISO	Ant2	Low	5755	5650~5700	-35.7	≤6.16	PASS
				5700~5720	-34.22	≤14.22	PASS
				5720~5725	-31.93	≤25.59	PASS

		High	5795	5780~5650	-39.25	≤ -27	PASS
				5850~5855	-37.44	≤ 15.66	PASS
				5855~5875	-37.74	≤ 12.44	PASS
				5875~5925	-36.3	≤ -5.80	PASS
				5925~5935	-38.3	≤ -27	PASS
11AC80SI SO	Ant2	Low	5775	5650~5700	-24.26	≤ 5.89	PASS
				5700~5720	-19.93	≤ 15.04	PASS
				5720~5725	-19.7	≤ 25.89	PASS
				5800~5650	-37.74	≤ -27	PASS
		High	5775	5850~5855	-22.34	≤ 17.06	PASS
				5855~5875	-23.34	≤ 11.01	PASS
				5875~5925	-32.61	≤ -26.13	PASS
				5925~5935	-37.89	≤ -27	PASS

Test Graphs B4





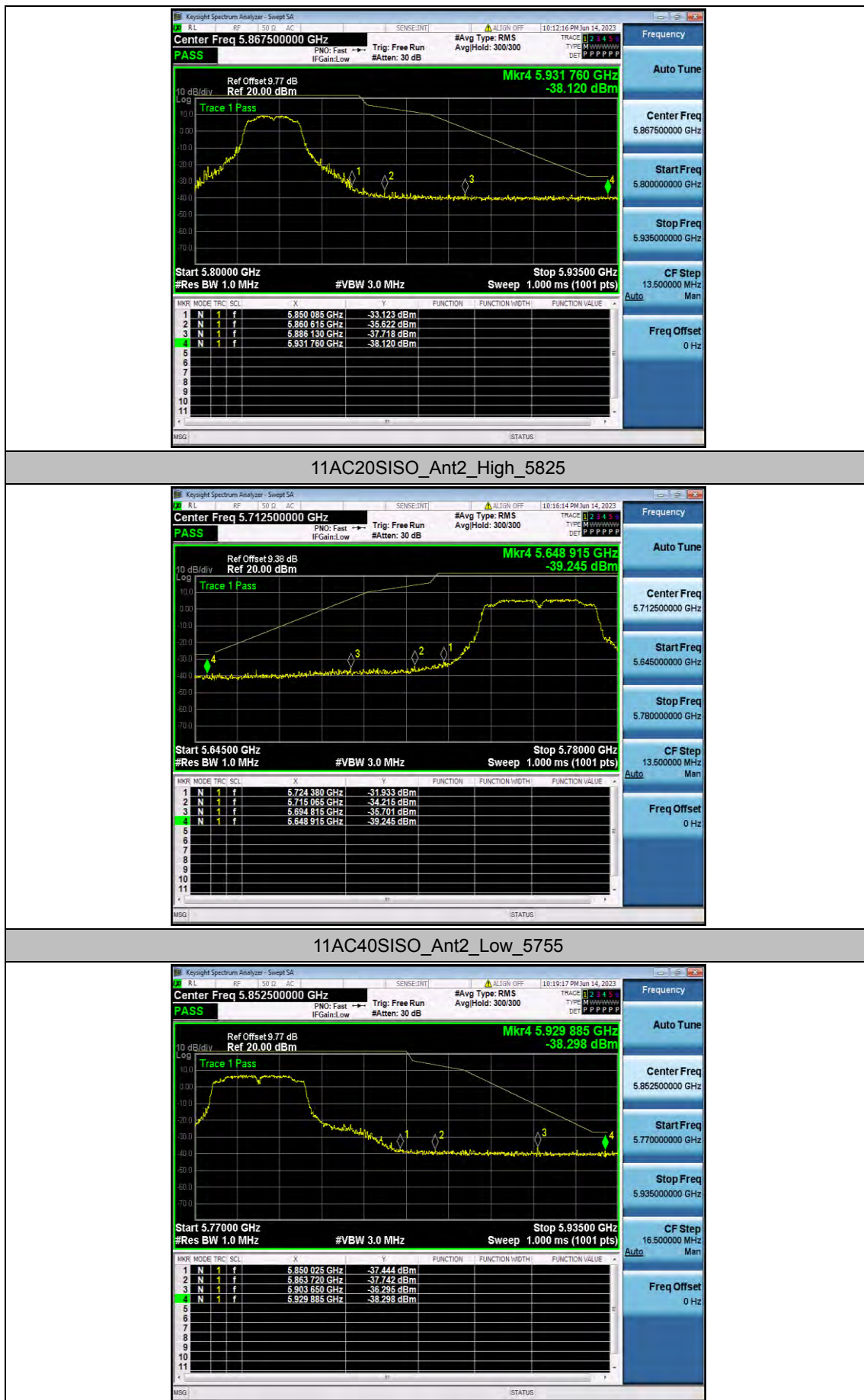
11N40SISO_Ant2_Low_5755



11N40SISO_Ant2_High_5795



11AC20SISO_Ant2_Low_5745



11AC40SISO_Ant2_High_5795



11AC80SISO_Ant2_Low_5775



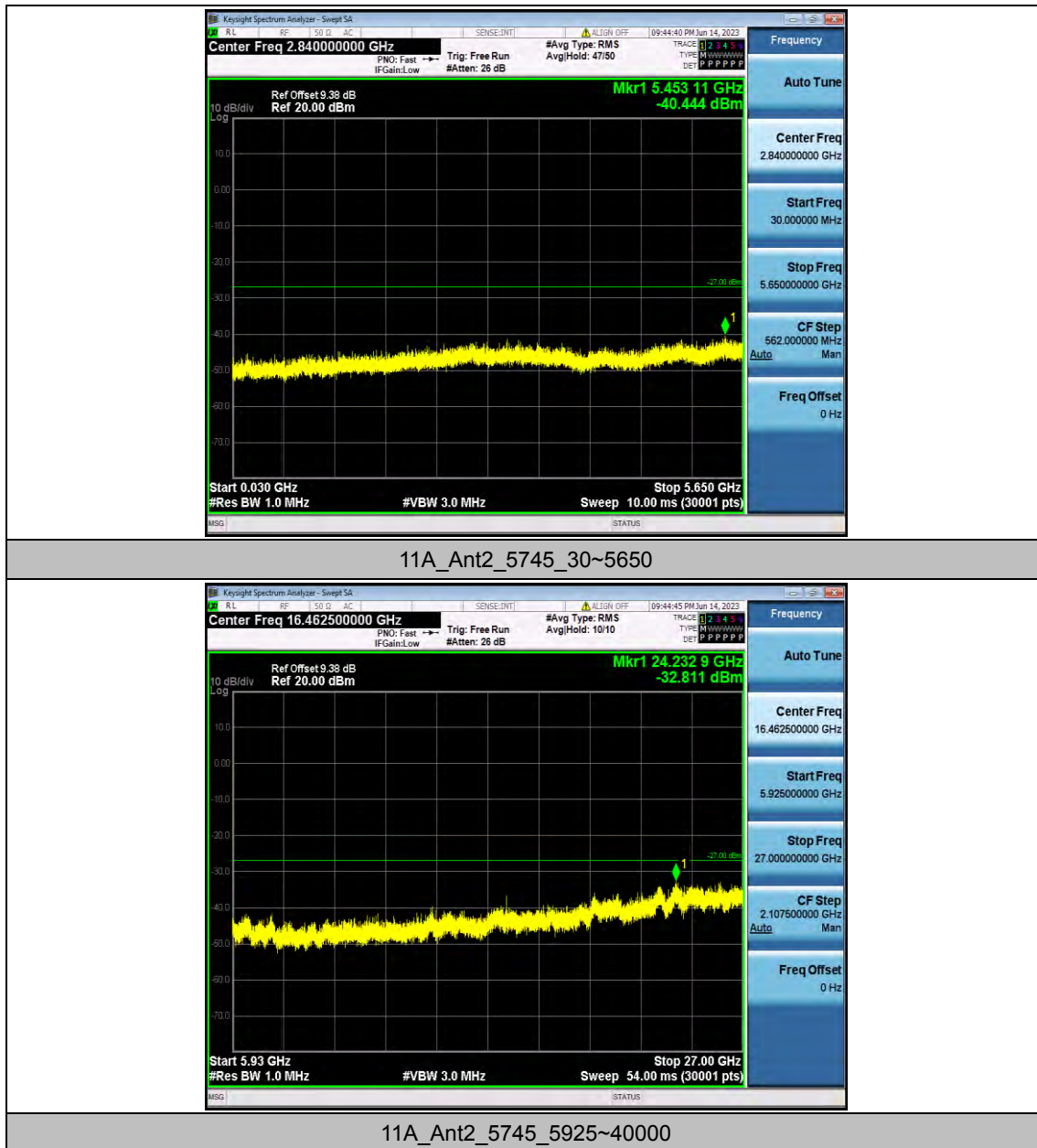
11AC80SISO_Ant2_High_5775

Appendix E.7: Conducted Spurious Emission

Test Result

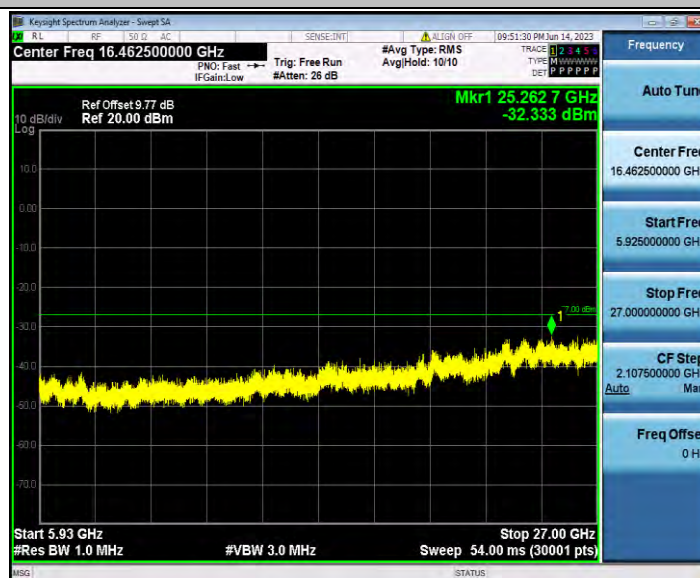
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant2	5745	30~5650	5453.11	-40.44	≤-27	PASS
			5925~40000	24232.85	-32.81	≤-27	PASS
		5785	30~5650	5412.65	-40.76	≤-27	PASS
			5925~40000	25262.72	-32.33	≤-27	PASS
		5825	30~5650	5427.82	-39.57	≤-27	PASS
			5925~40000	24205.46	-32.48	≤-27	PASS
11N20SISO	Ant2	5745	30~5650	5454.8	-39.78	≤-27	PASS
			5925~40000	25236.02	-32.62	≤-27	PASS
		5785	30~5650	5585.37	-40.2	≤-27	PASS
			5925~40000	24109.21	-32.14	≤-27	PASS
		5825	30~5650	5452.93	-40.46	≤-27	PASS
			5925~40000	24315.75	-31.33	≤-27	PASS
11N40SISO	Ant2	5755	30~5650	5458.55	-40.93	≤-27	PASS
			5925~40000	26475.23	-32.88	≤-27	PASS
		5795	30~5650	2699.87	-40.92	≤-27	PASS
			5925~40000	26048.82	-32.03	≤-27	PASS
11AC20SISO	Ant2	5745	30~5650	3178.89	-40.3	≤-27	PASS
			5925~40000	26660.69	-32.16	≤-27	PASS
		5785	30~5650	5375.37	-40.56	≤-27	PASS
			5925~40000	24110.62	-31.89	≤-27	PASS
		5825	30~5650	5429.7	-41.23	≤-27	PASS
			5925~40000	24749.89	-31.85	≤-27	PASS
11AC40SISO	Ant2	5755	30~5650	3305.34	-39.94	≤-27	PASS
			5925~40000	26060.76	-32.26	≤-27	PASS
		5795	30~5650	5425.76	-40.35	≤-27	PASS
			5925~40000	24275	-31.99	≤-27	PASS
11AC80SISO	Ant2	5775	30~5650	5647.38	-39.49	≤-27	PASS
			5925~40000	24161.2	-32.05	≤-27	PASS

Test Graphs

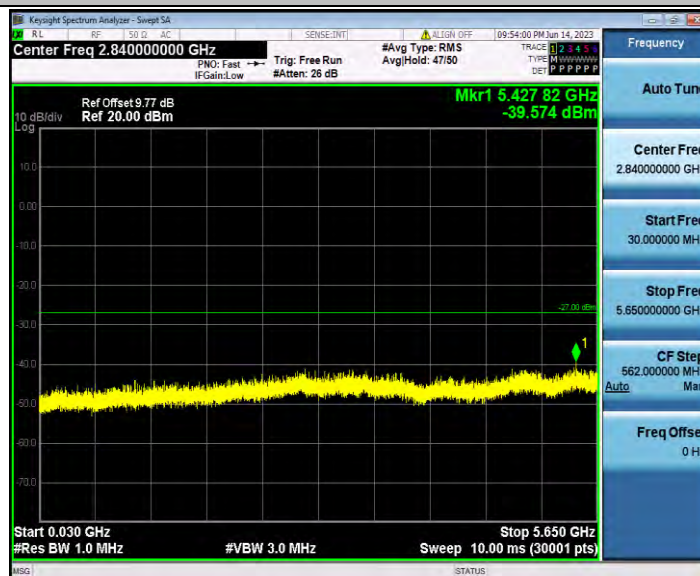




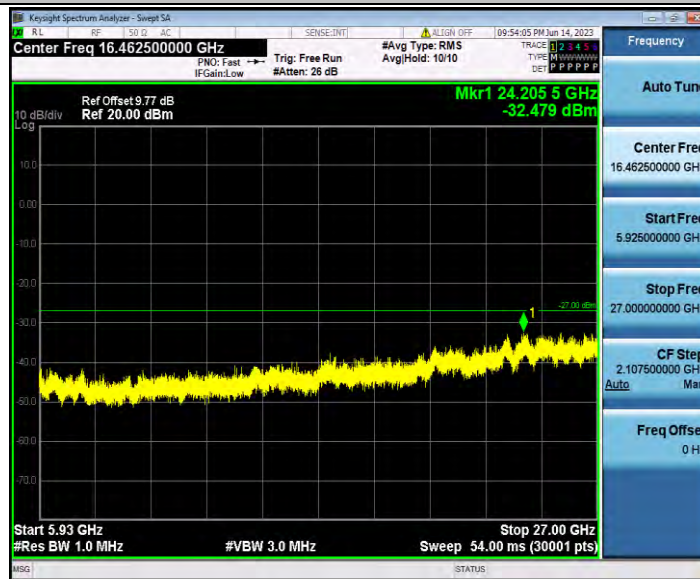
11A_Ant2_5785_30~5650



11A_Ant2_5785_5925~40000



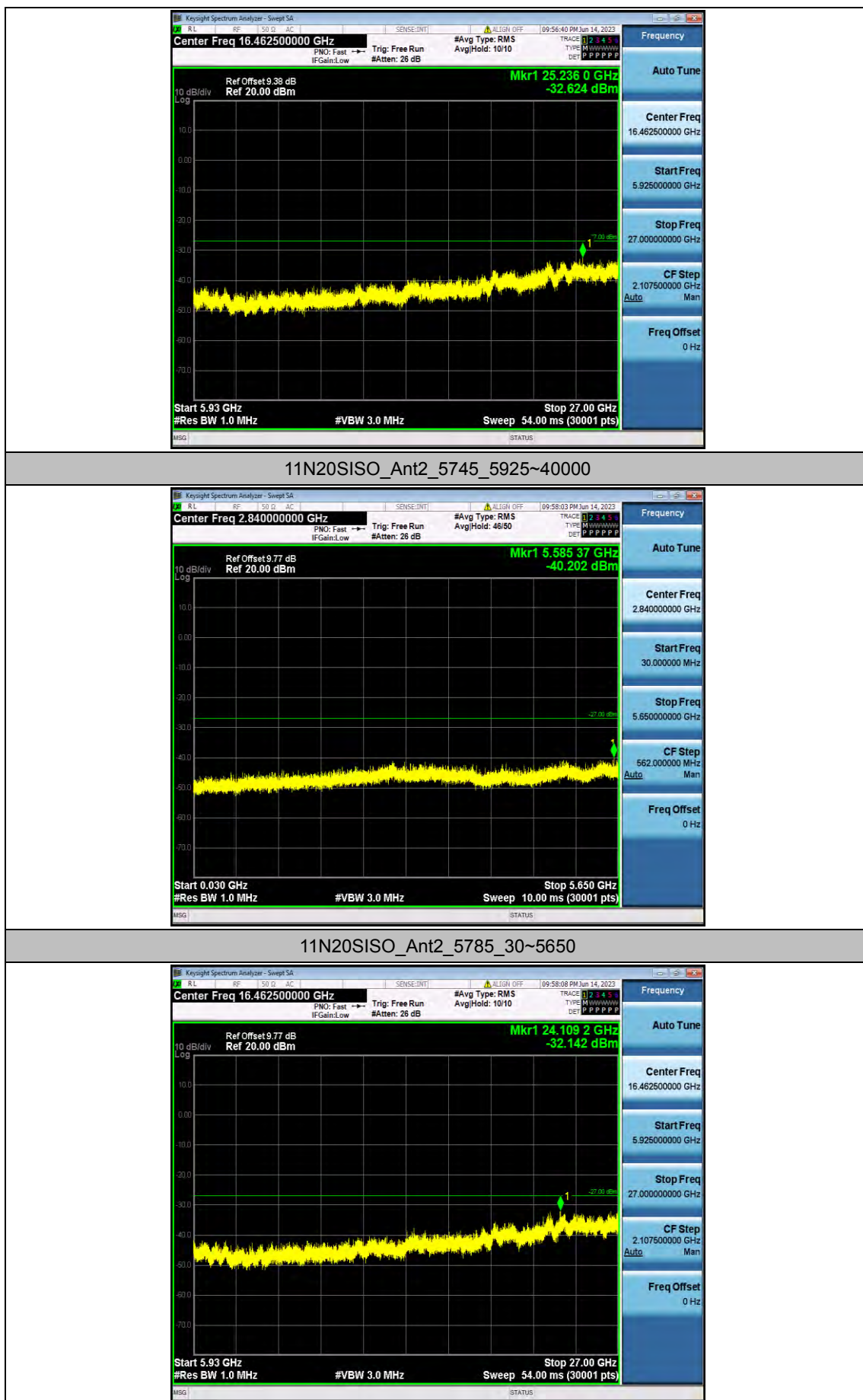
11A_Ant2_5825_30~5650



11A_Ant2_5825_5925~40000



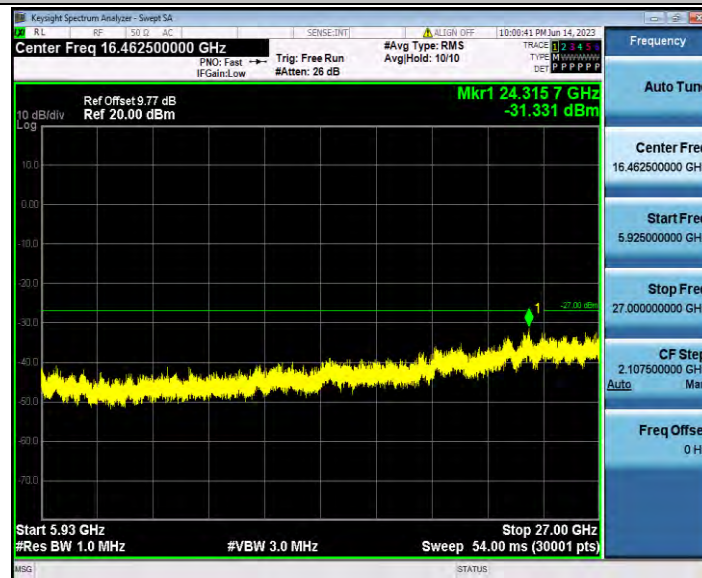
11N20SISO_Ant2_5745_30~5650



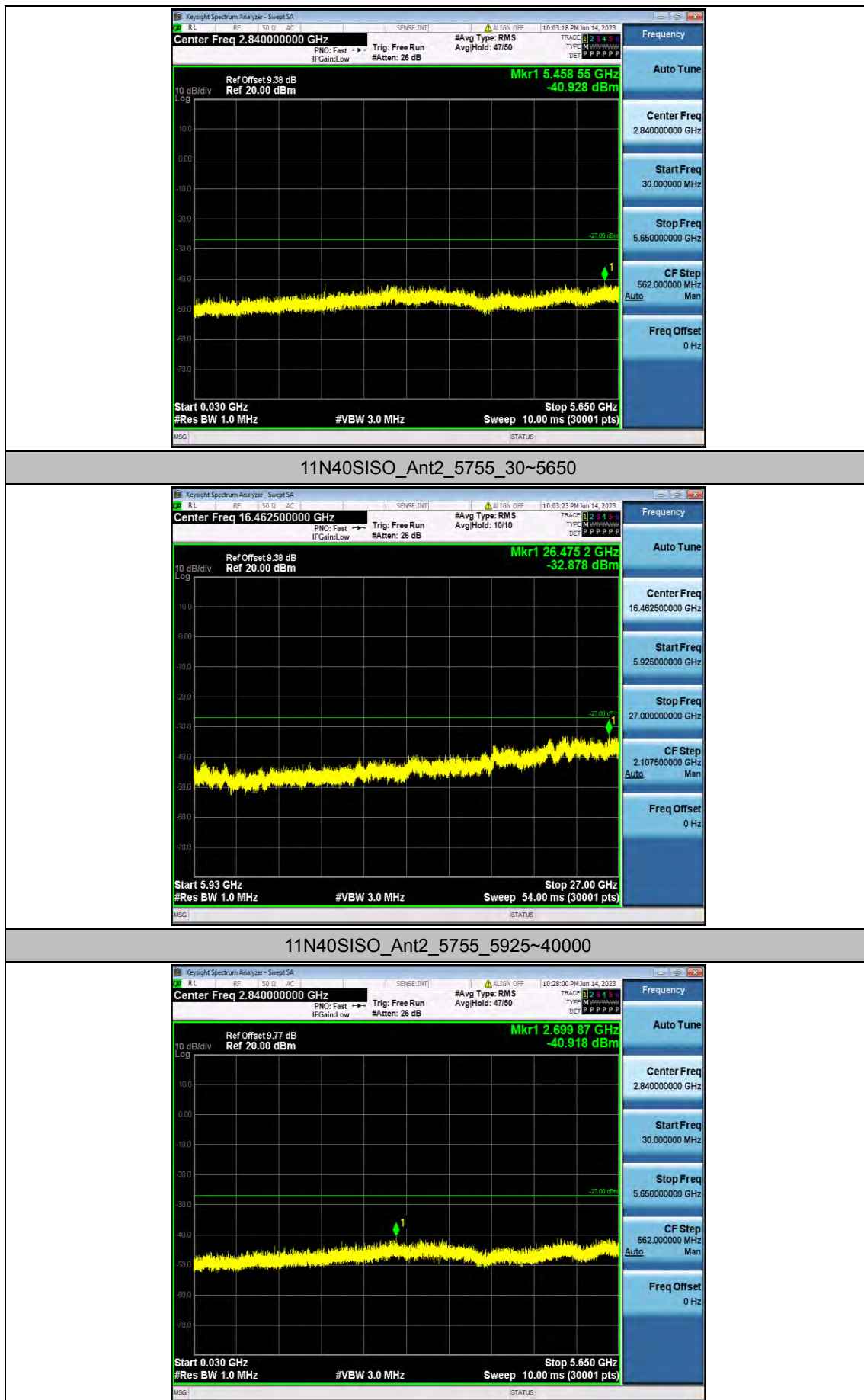
11N20SISO_Ant2_5785_5925~40000



11N20SISO_Ant2_5825_30~5650



11N20SISO_Ant2_5825_5925~40000



11N40SISO_Ant2_5795_30~5650



11N40SISO_Ant2_5795_5925~40000



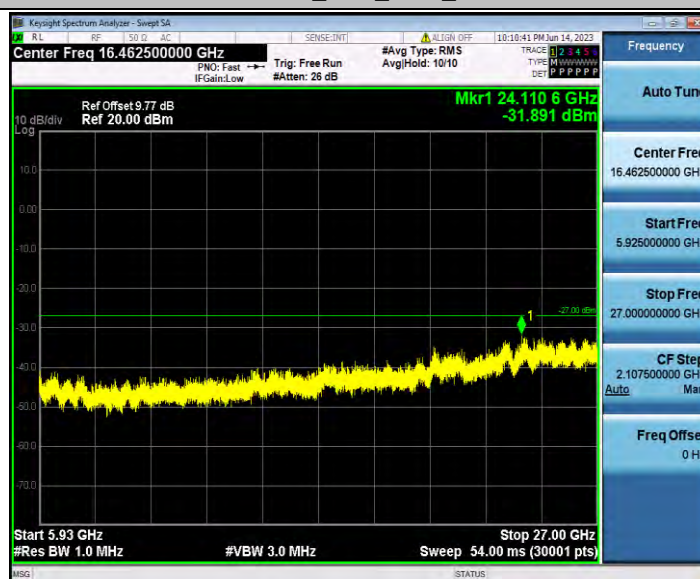
11AC20SISO_Ant2_5745_30~5650



11AC20SISO_Ant2_5745_5925~40000



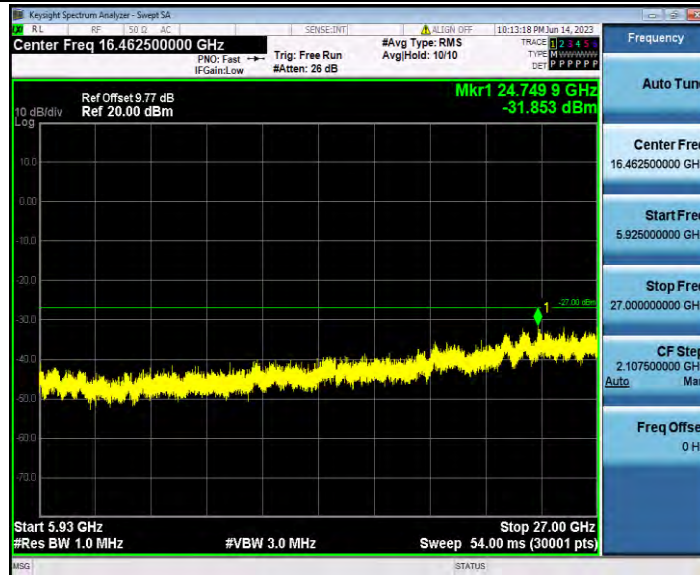
11AC20SISO_Ant2_5785_30~5650



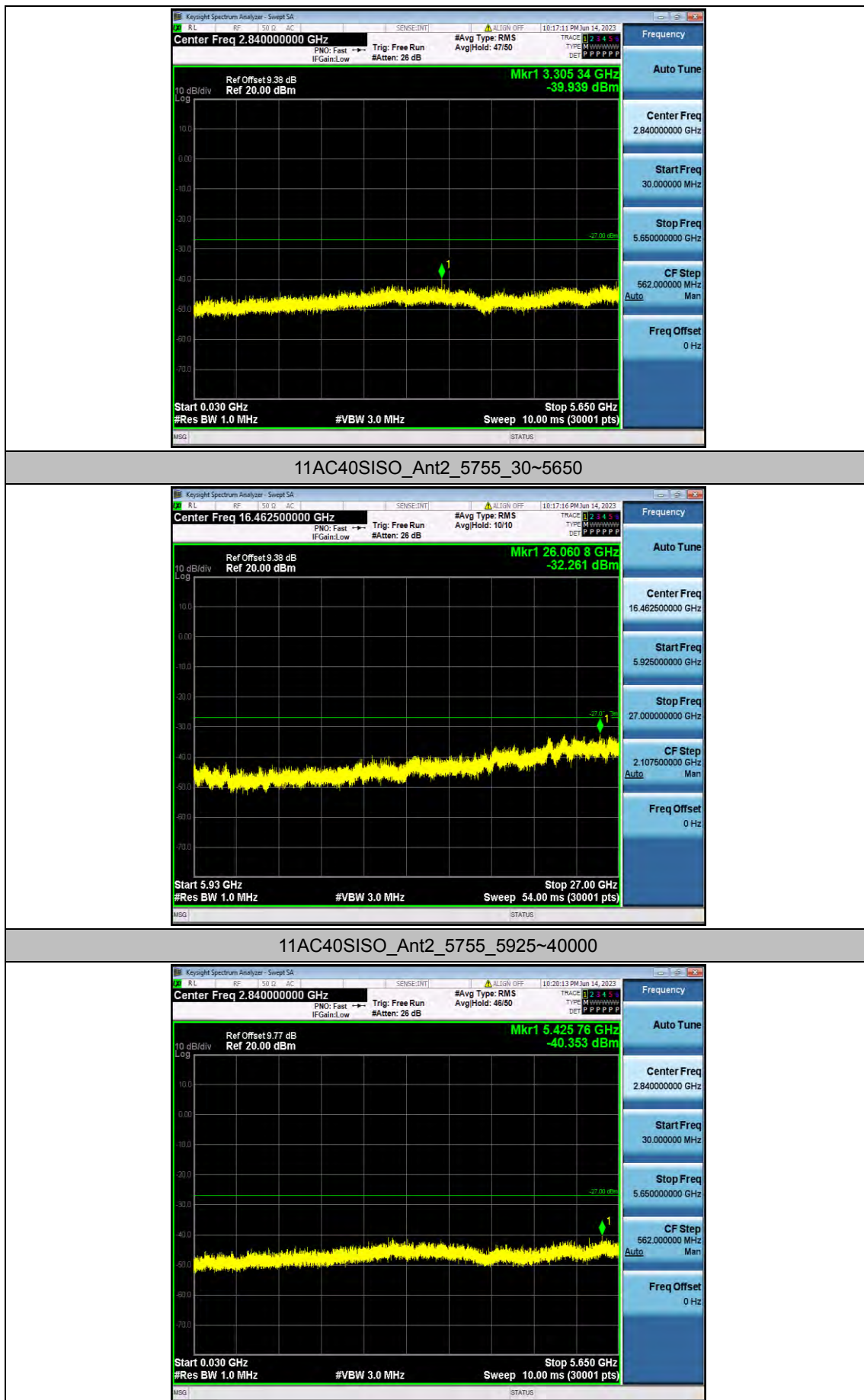
11AC20SISO_Ant2_5785_5925~40000



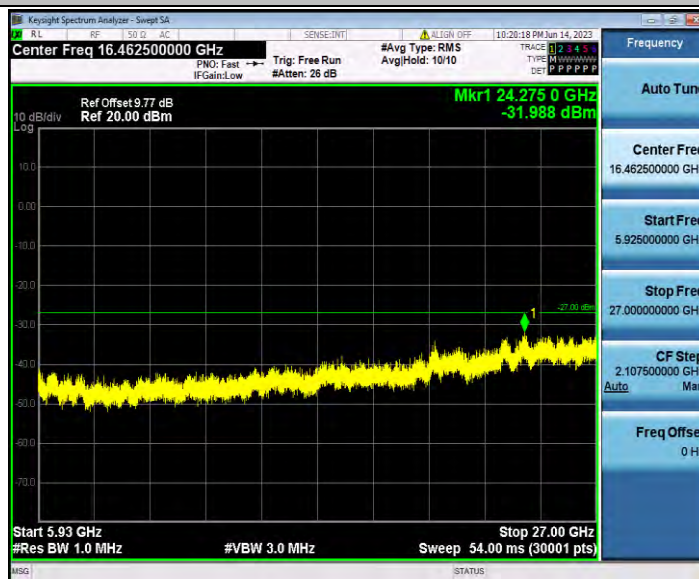
11AC20SISO_Ant2_5825_30~5650



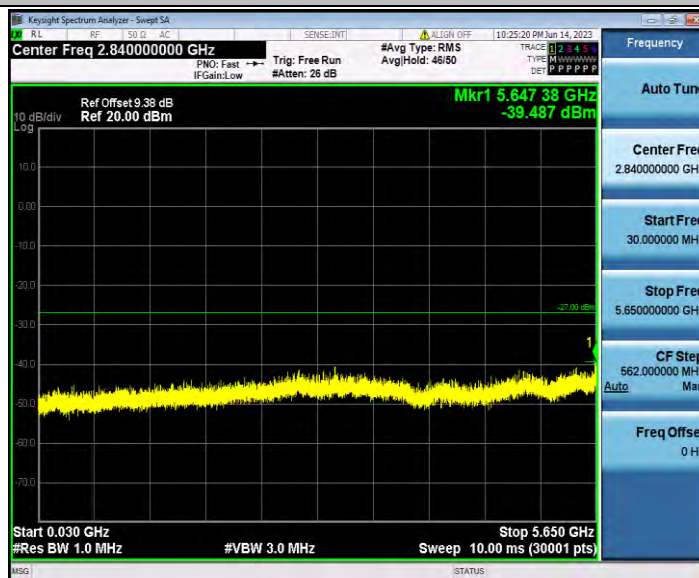
11AC20SISO_Ant2_5825_5925~40000



11AC40SISO_Ant2_5795_30~5650



11AC40SISO_Ant2_5795_5925~40000



11AC80SISO_Ant2_5775_30~5650

