

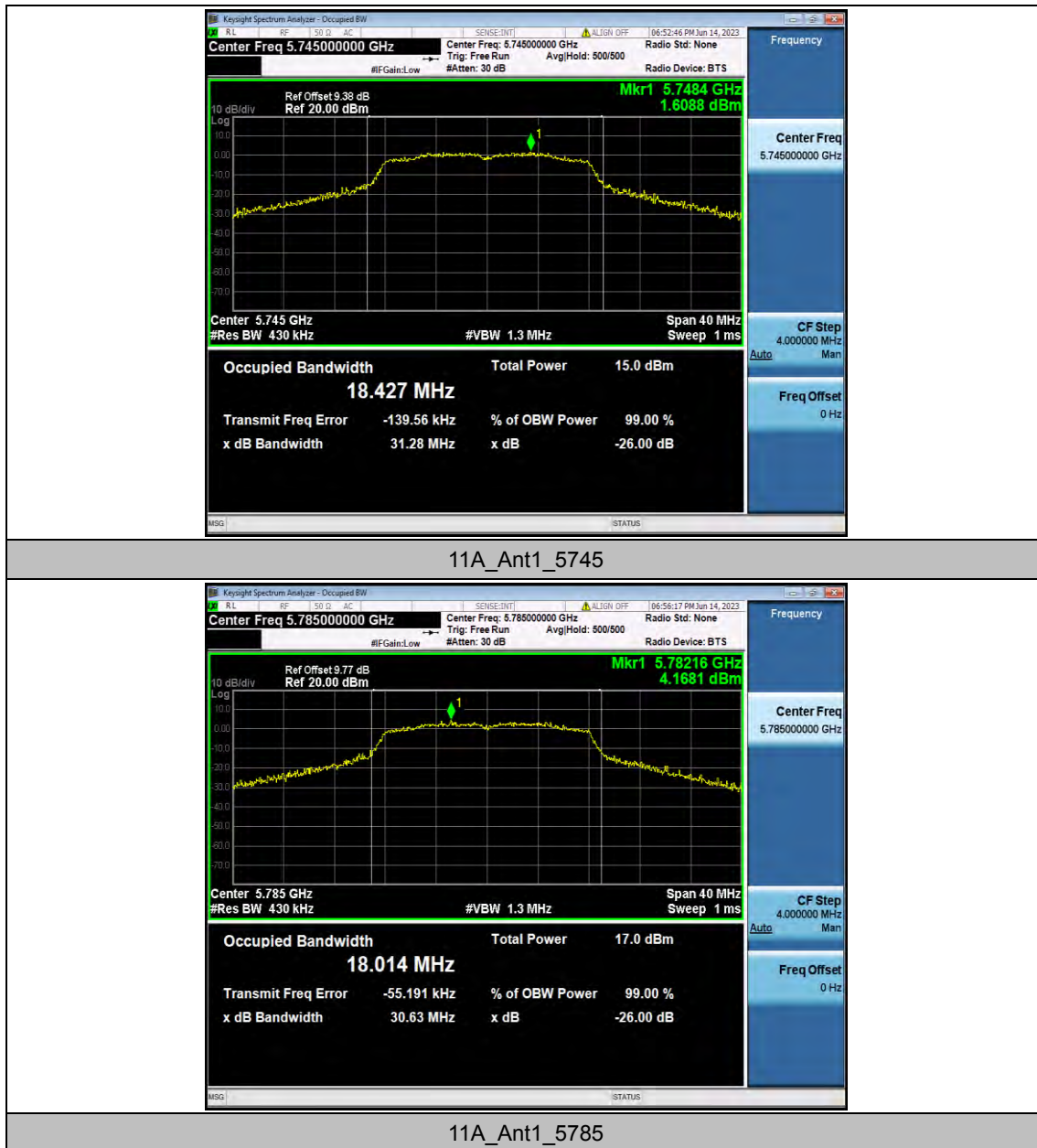
Case No. : <u>GTS20230525016-1-22</u>	
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.6.14</u>	Test Engineer: <u>Jenny zeng</u>

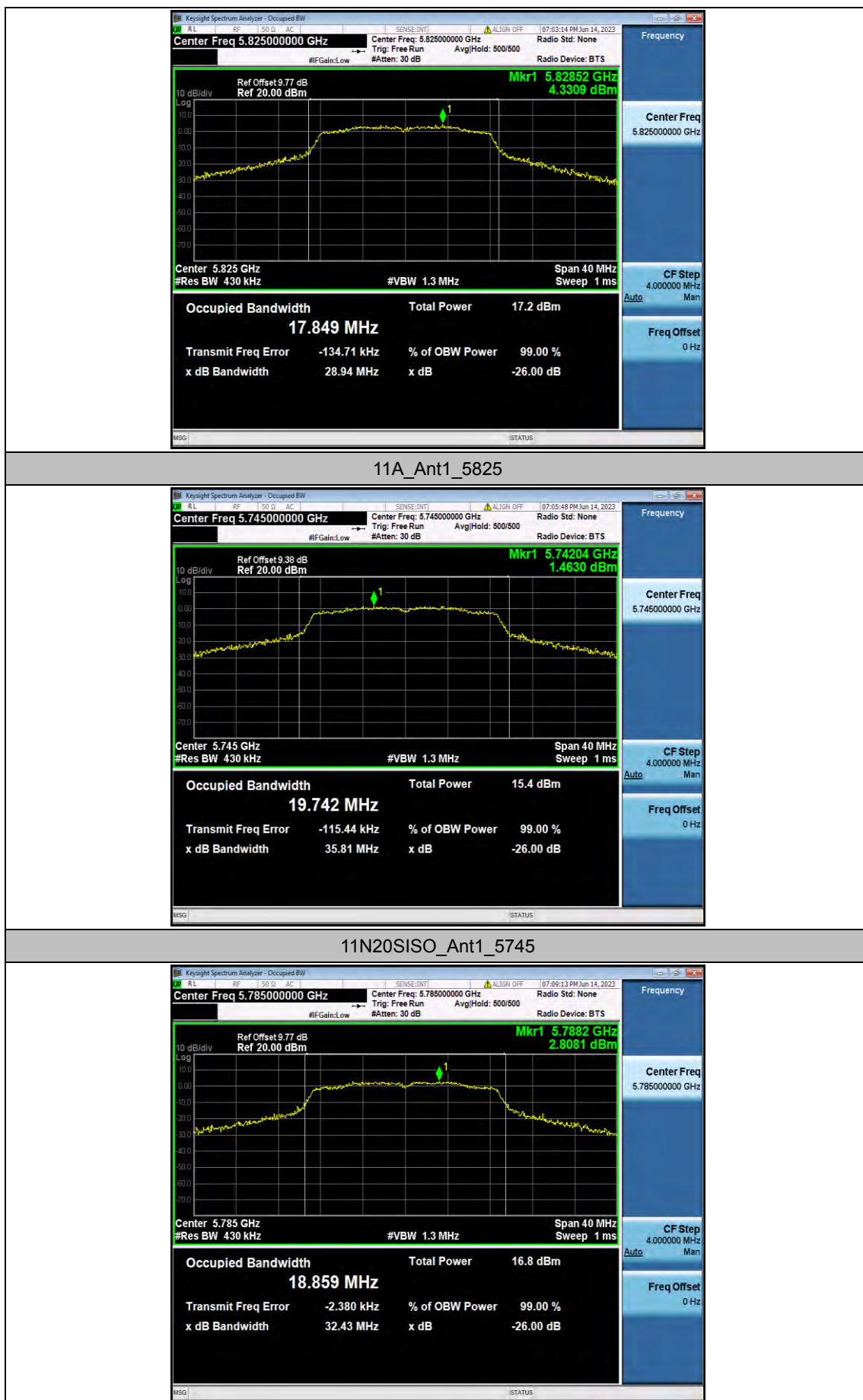
Appendix E.1: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	18.427	5735.647	5754.074	---	---
		5785	18.014	5775.938	5793.952	---	---
		5825	17.849	5815.941	5833.790	---	---
11N20SISO	Ant1	5745	19.742	5735.014	5754.756	---	---
		5785	18.859	5775.568	5794.427	---	---
		5825	18.608	5815.646	5834.254	---	---
11N40SISO	Ant1	5755	37.318	5736.426	5773.744	---	---
		5795	36.737	5776.657	5813.394	---	---
11AC20SISO	Ant1	5745	19.938	5734.844	5754.782	---	---
		5785	18.811	5775.559	5794.370	---	---
		5825	18.600	5815.614	5834.214	---	---
11AC40SISO	Ant1	5755	37.323	5736.280	5773.603	---	---
		5795	36.729	5776.602	5813.331	---	---
11AC80SISO	Ant1	5775	84.782	5730.793	5815.575	---	---

Test Graphs

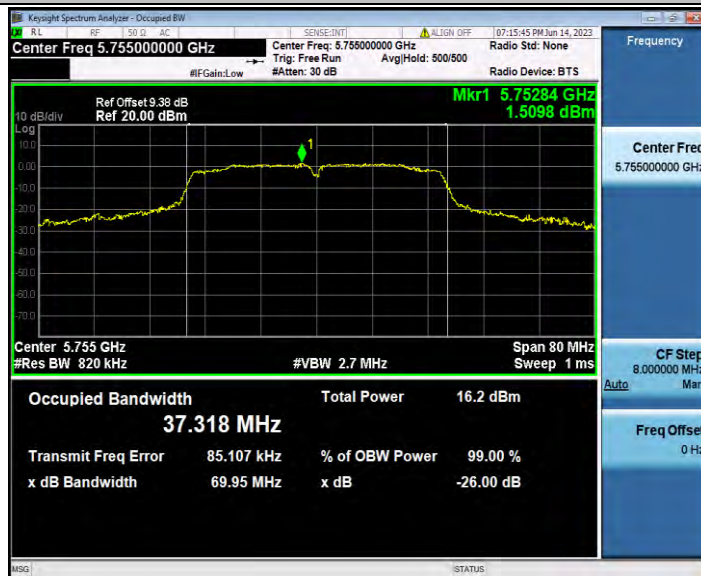




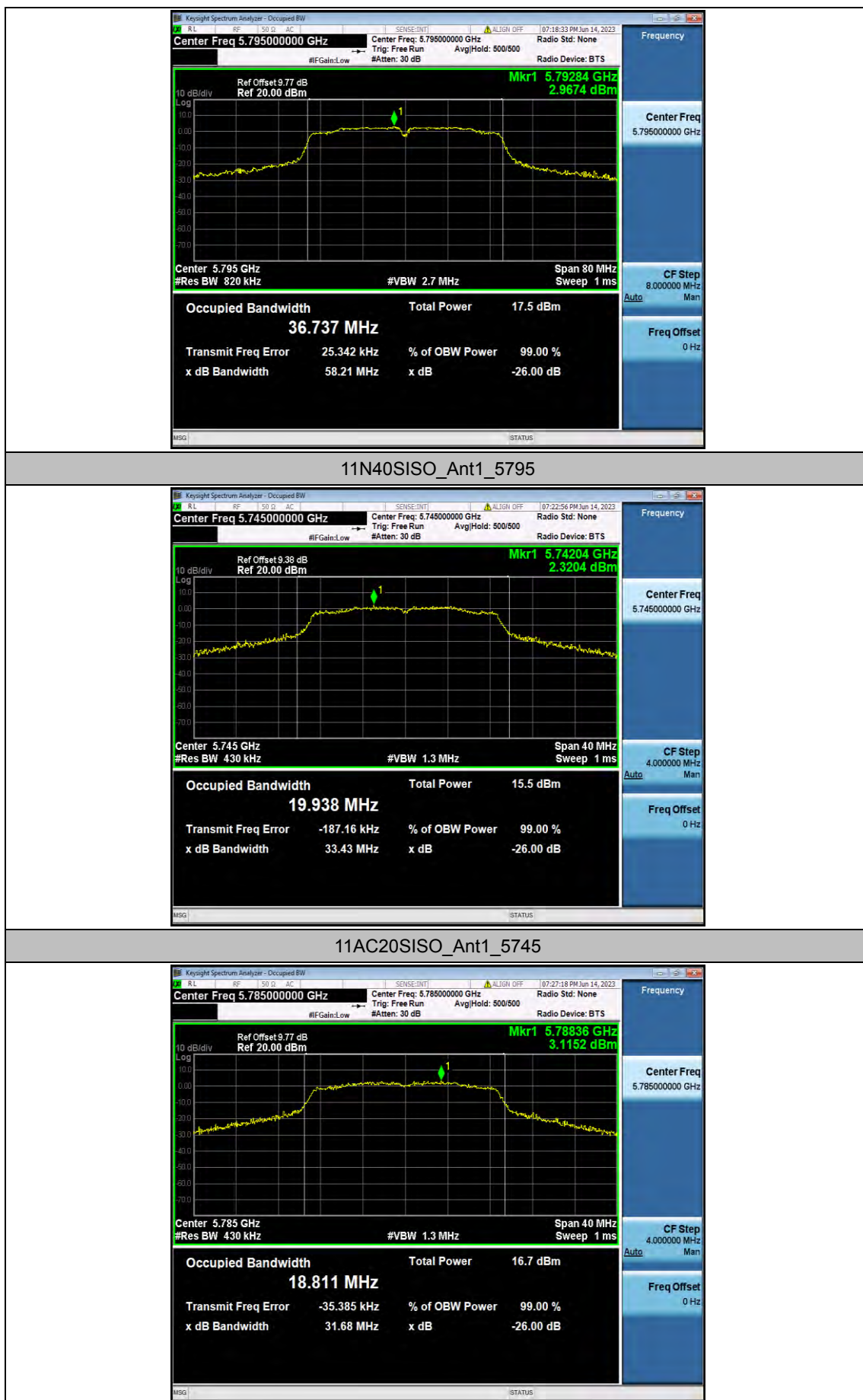
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



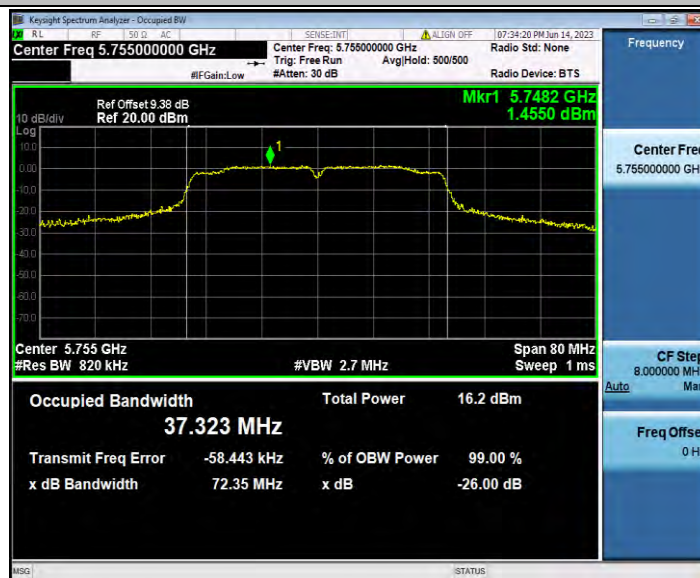
11N40SISO_Ant1_5755



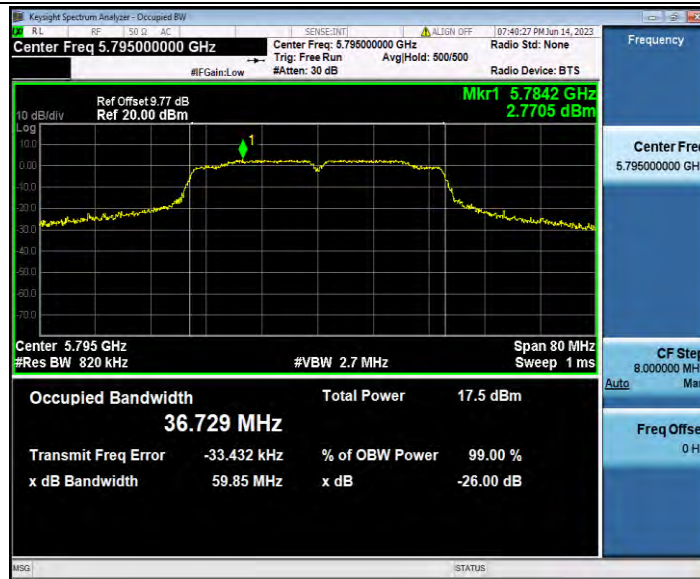
11AC20SISO_Ant1_5785



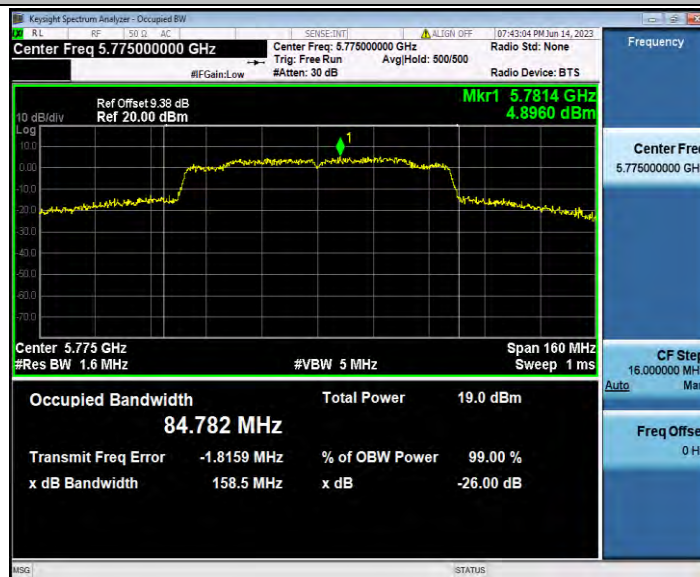
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



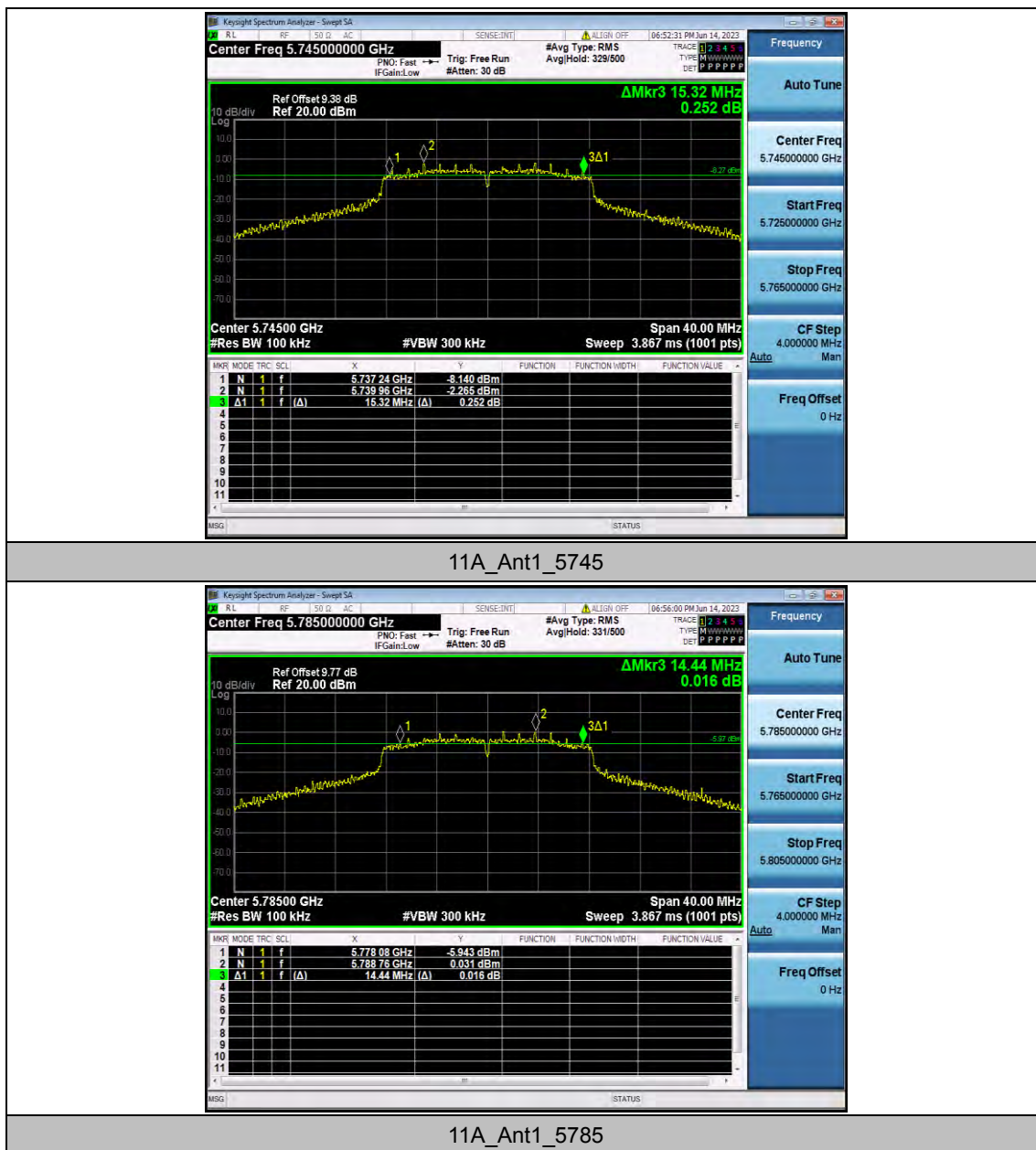
11AC80SISO_Ant1_5775

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	Ant1	5745	15.320	5737.240	5752.560	0.5	PASS
		5785	14.440	5778.080	5792.520	0.5	PASS
		5825	15.040	5817.480	5832.520	0.5	PASS
11N20SISO	Ant1	5745	15.080	5737.480	5752.560	0.5	PASS
		5785	15.440	5777.120	5792.560	0.5	PASS
		5825	13.840	5818.640	5832.480	0.5	PASS
11N40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	33.840	5778.680	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	15.160	5737.400	5752.560	0.5	PASS
		5785	15.880	5776.600	5792.480	0.5	PASS
		5825	13.240	5819.320	5832.560	0.5	PASS
11AC40SISO	Ant1	5755	35.040	5737.400	5772.440	0.5	PASS
		5795	32.640	5778.680	5811.320	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4





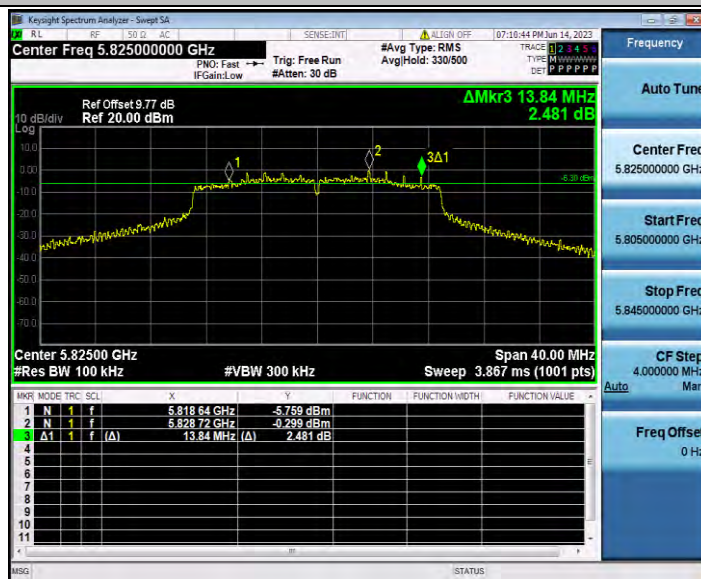
11A_Ant1_5825



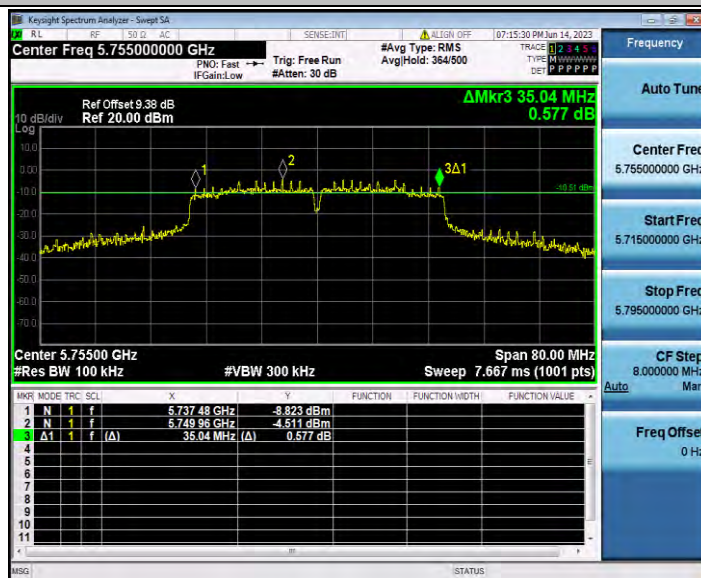
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



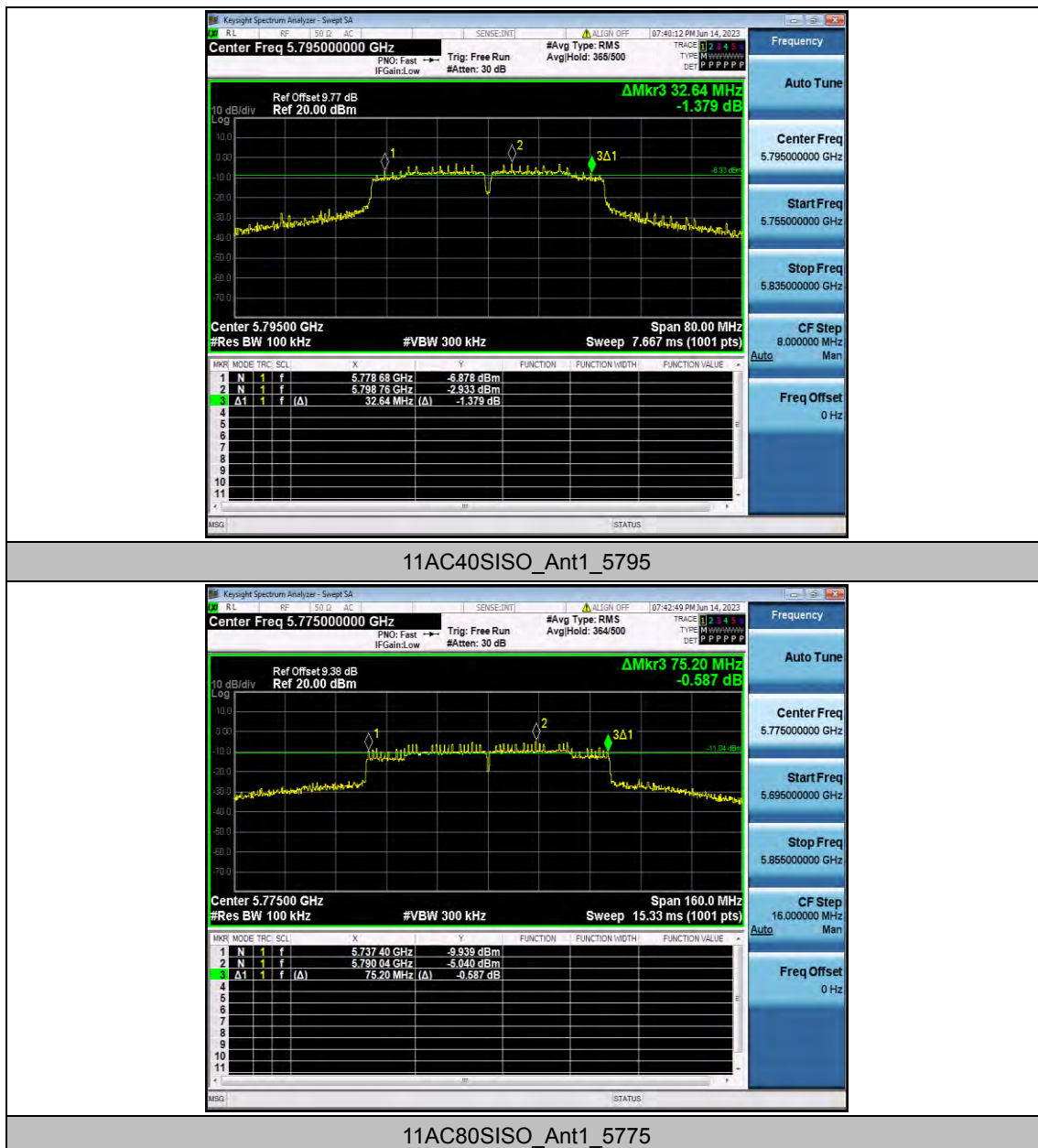
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755

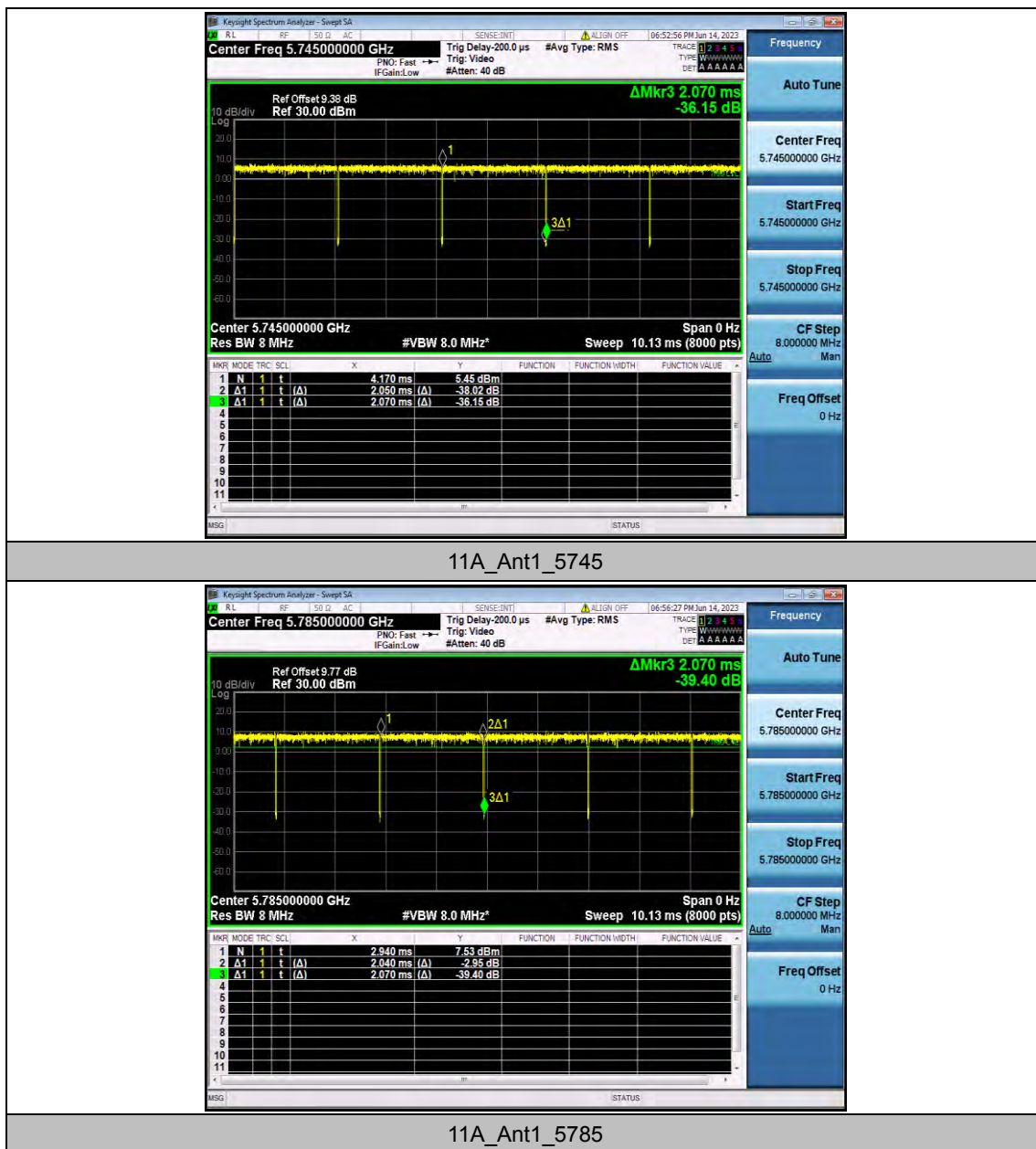


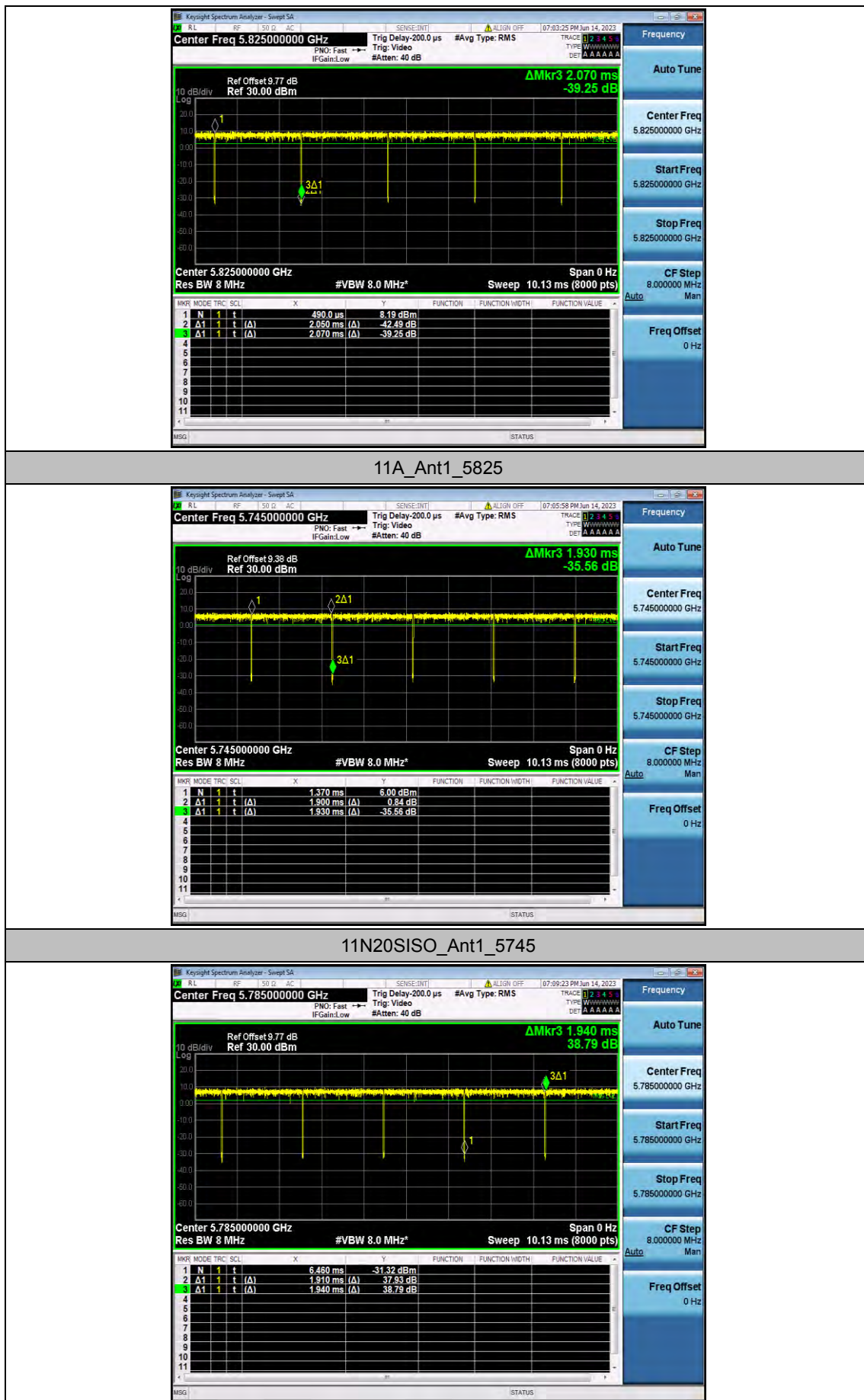
Appendix E.3: Duty Cycle

Test Result

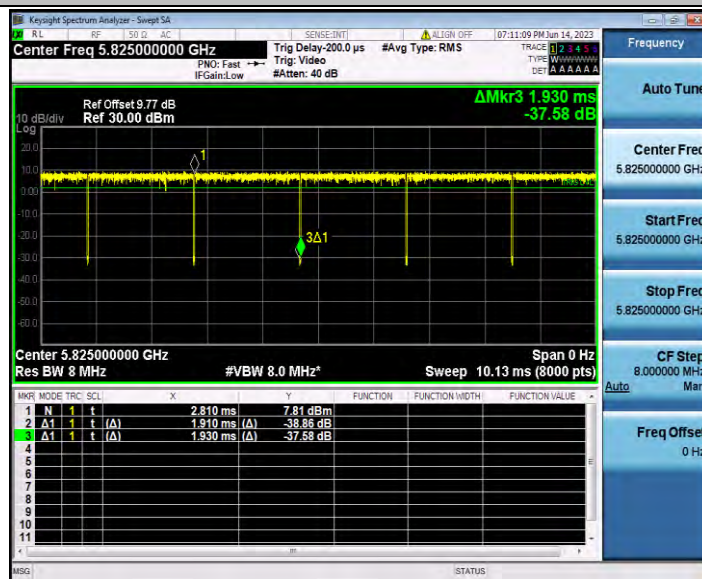
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	2.05	2.07	99.03
		5785	2.04	2.07	98.55
		5825	2.05	2.07	99.03
11N20SISO	Ant1	5745	1.90	1.93	98.45
		5785	1.91	1.94	98.45
		5825	1.91	1.93	98.96
11N40SISO	Ant1	5755	0.94	0.97	96.91
		5795	0.94	0.96	97.92
11AC20SISO	Ant1	5745	1.92	1.94	98.97
		5785	1.91	1.94	98.45
		5825	1.91	1.94	98.45
11AC40SISO	Ant1	5755	0.95	0.98	96.94
		5795	0.94	0.97	96.91
11AC80SISO	Ant1	5775	0.44	0.47	93.62

Test Graphs

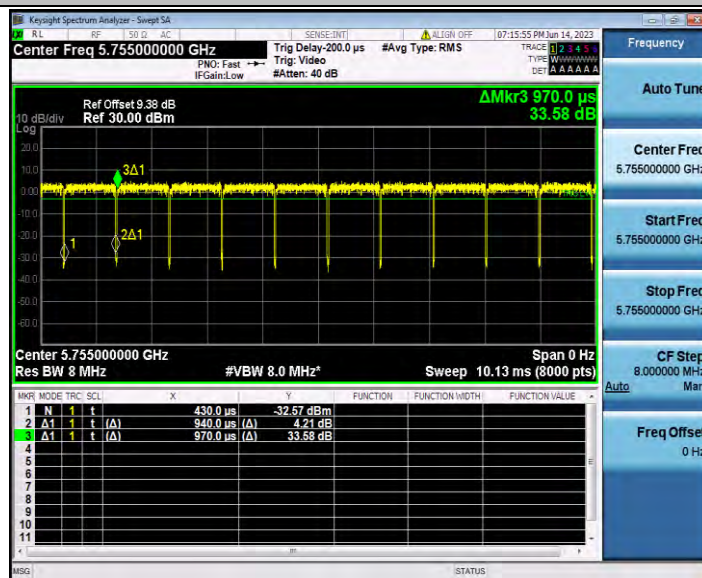




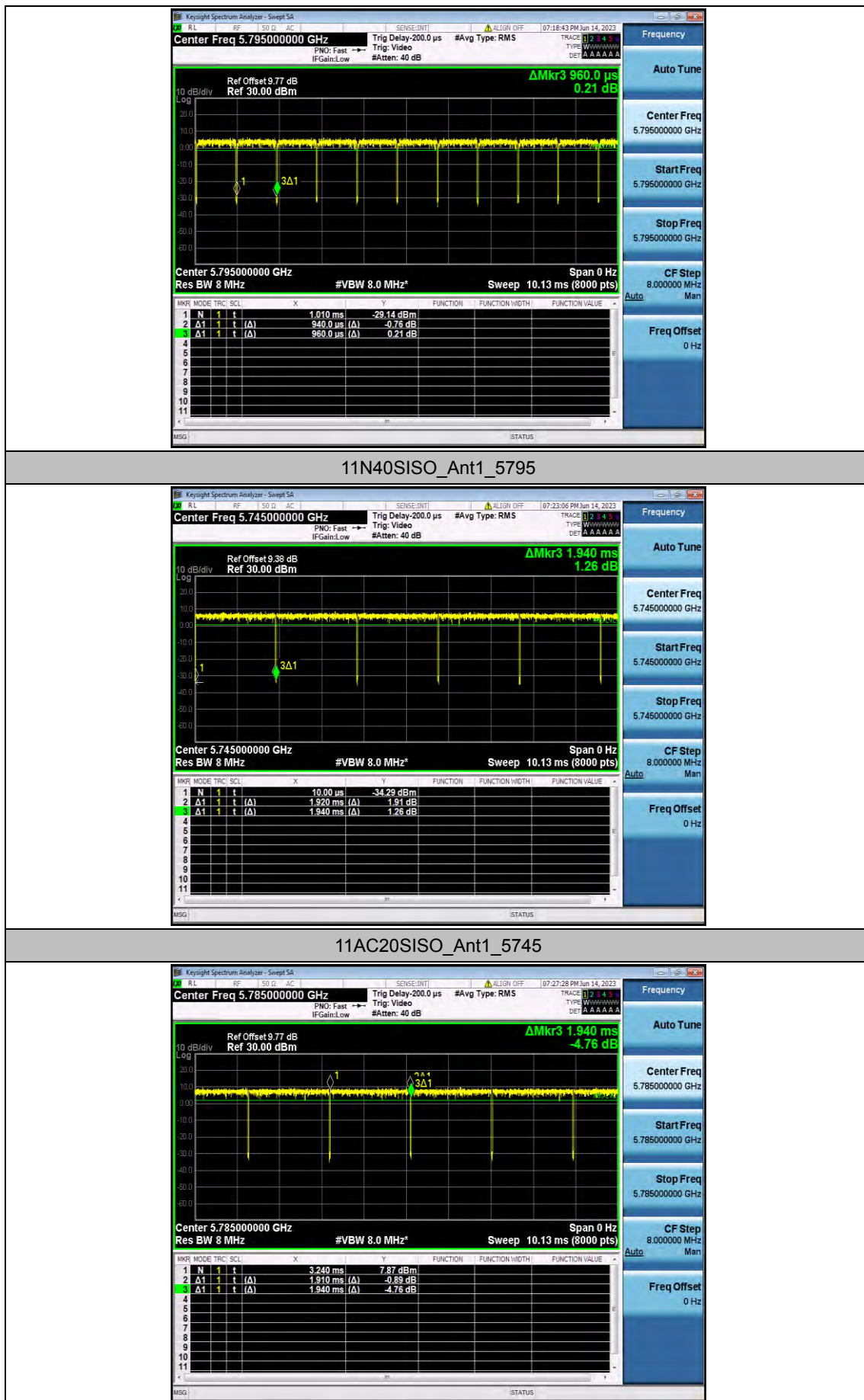
11N20SISO_Ant1_5785



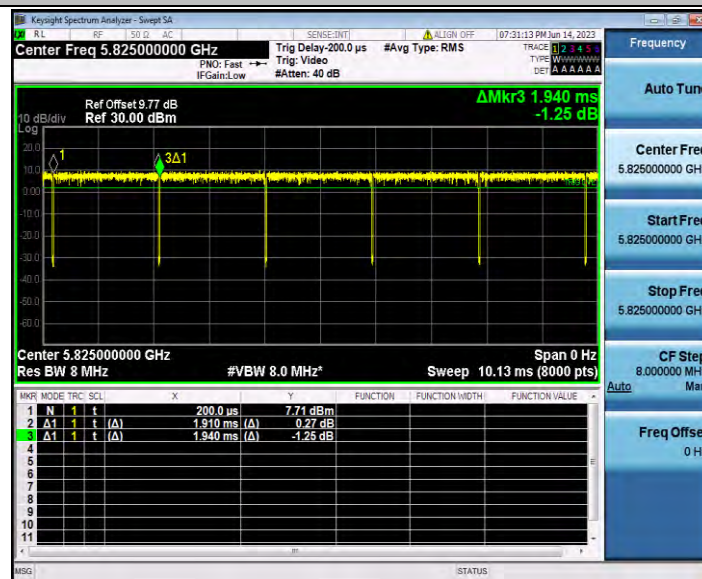
11N20SISO_Ant1_5825



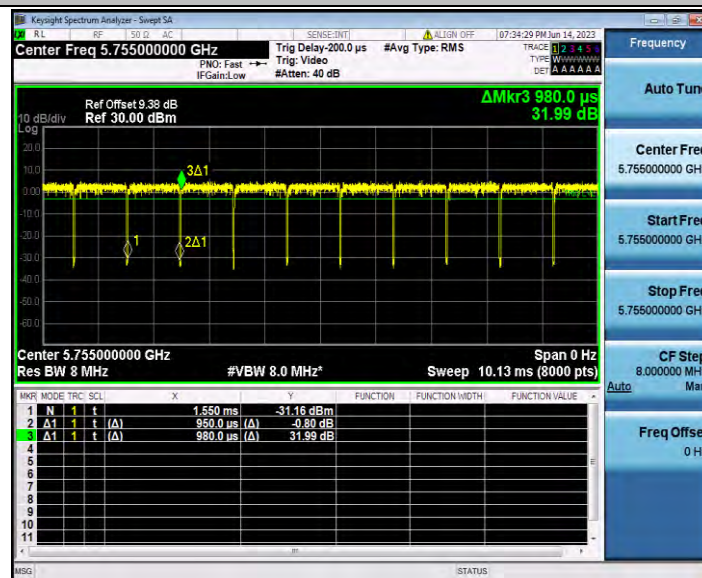
11N40SISO_Ant1_5755



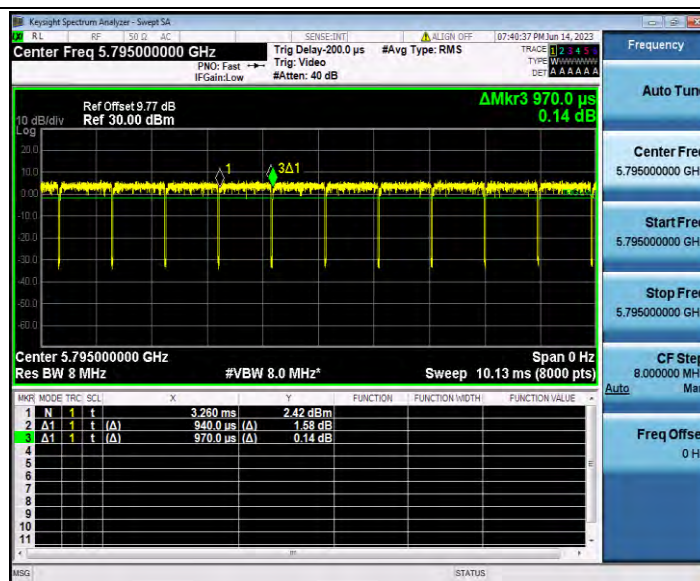
11AC20SISO_Ant1_5785



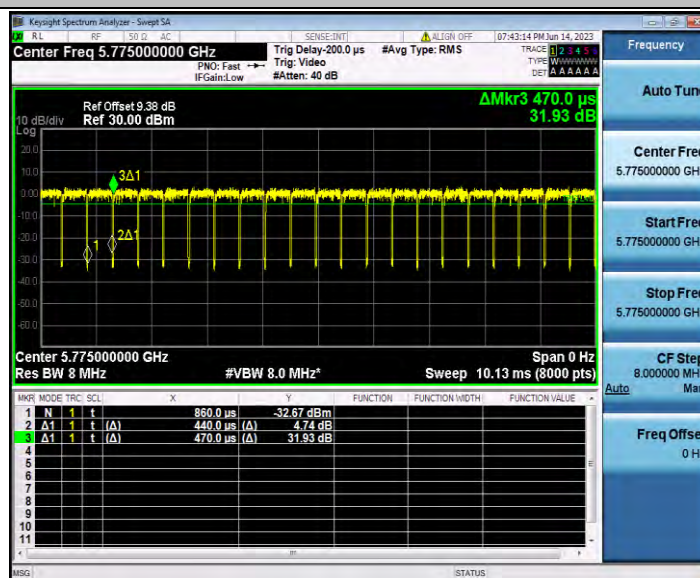
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_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	Ant1	5745	7.98	99.03	0.04	8.02	≤30.00	PASS
		5785	10.01	98.55	0.06	10.07	≤30.00	PASS
		5825	10.34	99.03	0.04	10.38	≤30.00	PASS
11N20SISO	Ant1	5745	8.44	98.45	0.07	8.51	≤30.00	PASS
		5785	9.79	98.45	0.07	9.86	≤30.00	PASS
		5825	9.93	98.96	0.05	9.98	≤30.00	PASS
11N40SISO	Ant1	5755	8.41	96.91	0.14	8.55	≤30.00	PASS
		5795	9.71	97.92	0.09	9.80	≤30.00	PASS
11AC20SISO	Ant1	5745	8.48	98.97	0.04	8.52	≤30.00	PASS
		5785	9.76	98.45	0.07	9.83	≤30.00	PASS
		5825	10.11	98.45	0.07	10.18	≤30.00	PASS
11AC40SISO	Ant1	5755	8.42	96.94	0.13	8.55	≤30.00	PASS
		5795	9.79	96.91	0.14	9.93	≤30.00	PASS
11AC80SISO	Ant1	5775	9.85	93.62	0.29	10.14	≤30.00	PASS

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

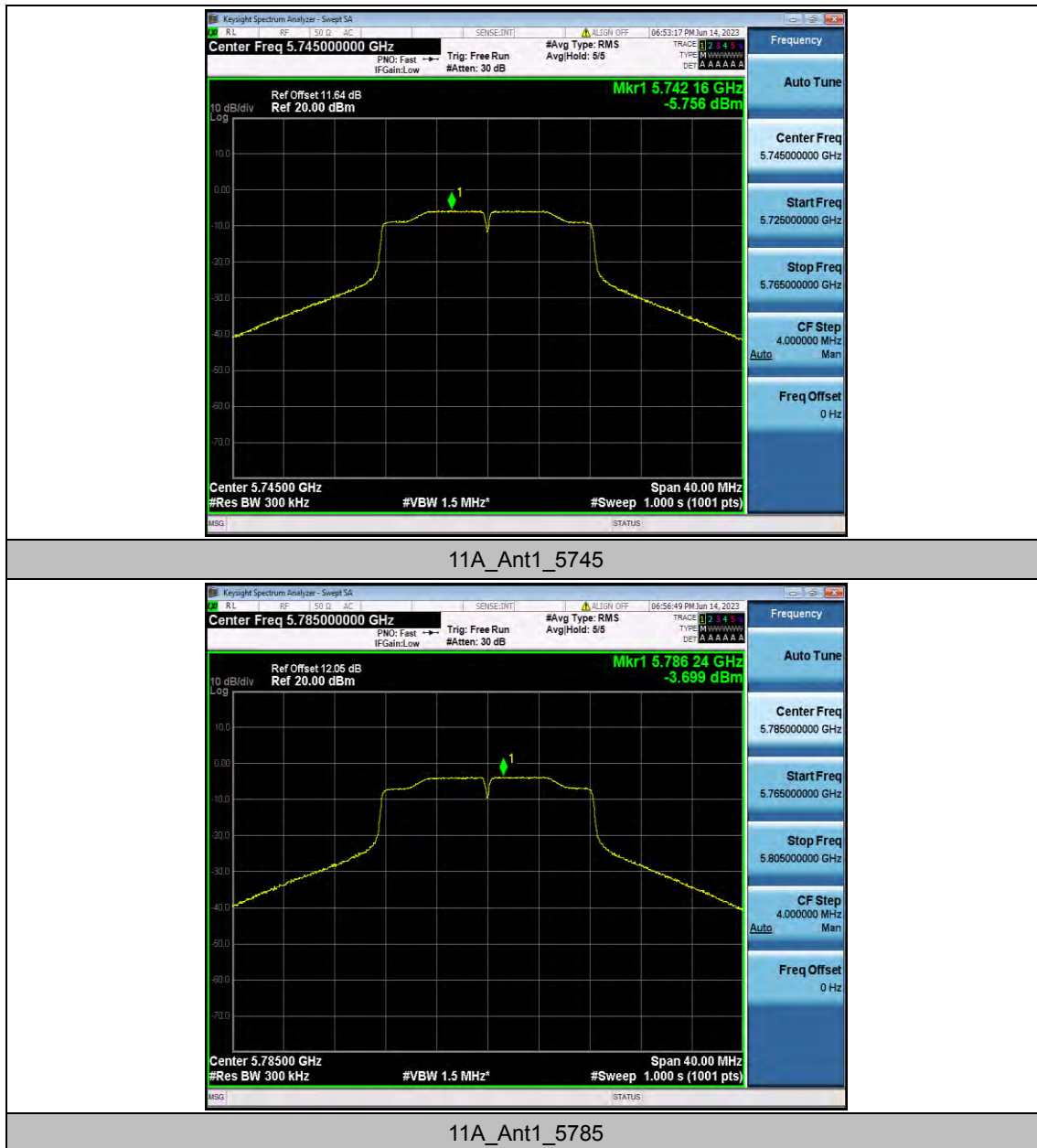
Appendix E.5: Maximum power spectral density

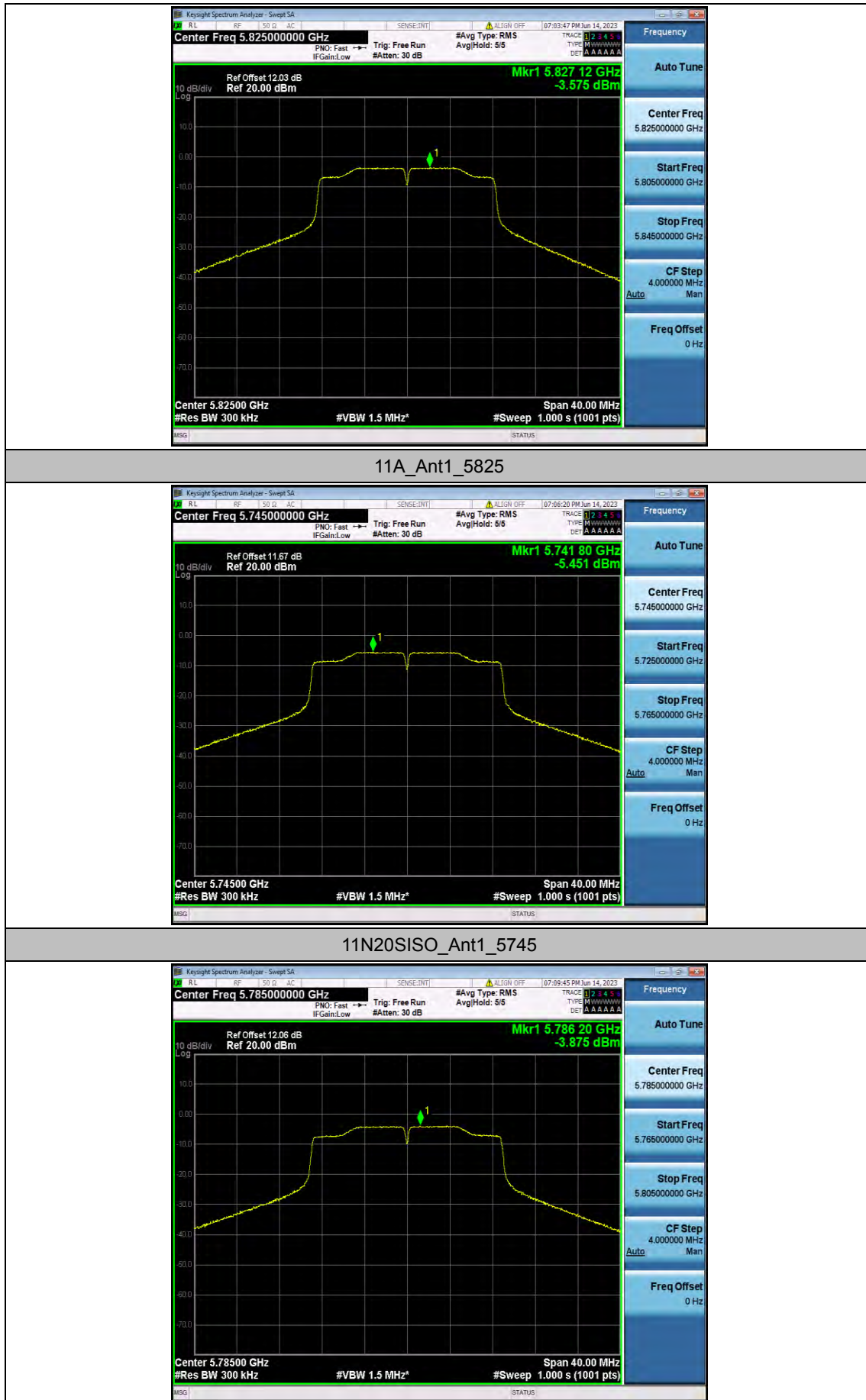
Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-5.76	≤30.00	PASS
		5785	-3.7	≤30.00	PASS
		5825	-3.58	≤30.00	PASS
11N20SISO	Ant1	5745	-5.45	≤30.00	PASS
		5785	-3.88	≤30.00	PASS
		5825	-3.93	≤30.00	PASS
11N40SISO	Ant1	5755	-8.53	≤30.00	PASS
		5795	-6.65	≤30.00	PASS
11AC20SISO	Ant1	5745	-5.38	≤30.00	PASS
		5785	-3.62	≤30.00	PASS
		5825	-3.97	≤30.00	PASS
11AC40SISO	Ant1	5755	-8.47	≤30.00	PASS
		5795	-6.69	≤30.00	PASS
11AC80SISO	Ant1	5775	-9.15	≤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





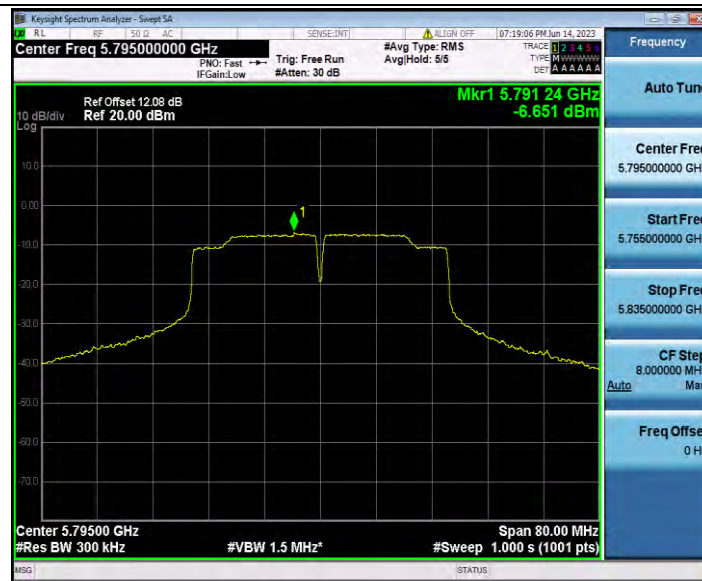
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

Appendix E.6: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-37.86	≤ 0.11	PASS
				5700~5720	-32.04	≤ 15.47	PASS
				5720~5725	-21.95	≤ 26.83	PASS
				5760~5650	-39.7	≤ -27	PASS
		High	5825	5850~5855	-34.29	≤ 15.79	PASS
				5855~5875	-37.01	≤ 10.10	PASS
				5875~5925	-37.37	≤ -15.57	PASS
				5925~5935	-38.08	≤ -27	PASS
11N20SISO	Ant1	Low	5745	5650~5700	-38.12	≤ -7.38	PASS
				5700~5720	-31.44	≤ 14.92	PASS
				5720~5725	-22.11	≤ 25.52	PASS
				5760~5650	-39.01	≤ -27	PASS
		High	5825	5850~5855	-33.67	≤ 16.72	PASS
				5855~5875	-36.64	≤ 10.36	PASS
				5875~5925	-37.79	≤ -24.36	PASS
				5925~5935	-38.07	≤ -27	PASS
11N40SISO	Ant1	Low	5755	5650~5700	-35.03	≤ 9.46	PASS
				5700~5720	-23.52	≤ 14.60	PASS
				5720~5725	-21.37	≤ 24.97	PASS
				5780~5650	-39.56	≤ -27	PASS
		High	5795	5850~5855	-36.07	≤ 26.57	PASS
				5855~5875	-36.88	≤ 10.18	PASS
				5875~5925	-36.96	≤ -13.74	PASS
				5925~5935	-38.95	≤ -27	PASS
11AC20SISO	Ant1	Low	5745	5650~5700	-37.47	≤ -4.32	PASS
				5700~5720	-30.77	≤ 15.43	PASS
				5720~5725	-21.05	≤ 26.83	PASS
				5760~5650	-38.66	≤ -27	PASS
		High	5825	5850~5855	-32.33	≤ 16.41	PASS
				5855~5875	-34.97	≤ 10.06	PASS
				5875~5925	-38.17	≤ 5.11	PASS
				5925~5935	-38.36	≤ -27	PASS
11AC40SISO	Ant1	Low	5755	5650~5700	-34.93	≤ 9.36	PASS
				5700~5720	-22.72	≤ 15.47	PASS
				5720~5725	-21.55	≤ 26.82	PASS

		High	5795	5780~5650	-38.61	≤ -27	PASS
				5850~5855	-37.3	≤ 19.42	PASS
				5855~5875	-38.11	≤ 13.55	PASS
				5875~5925	-37.72	≤ 7.51	PASS
				5925~5935	-38.25	≤ -27	PASS
11AC80SI SO	Ant1	Low	5775	5650~5700	-19.55	≤ 9.10	PASS
				5700~5720	-16.58	≤ 14.78	PASS
				5720~5725	-17	≤ 17.77	PASS
				5800~5650	-31.48	≤ -27	PASS
		High	5775	5850~5855	-21.84	≤ 16.64	PASS
				5855~5875	-23.78	≤ 10.54	PASS
				5875~5925	-30	≤ 24.77	PASS
				5925~5935	-37.5	≤ -27	PASS

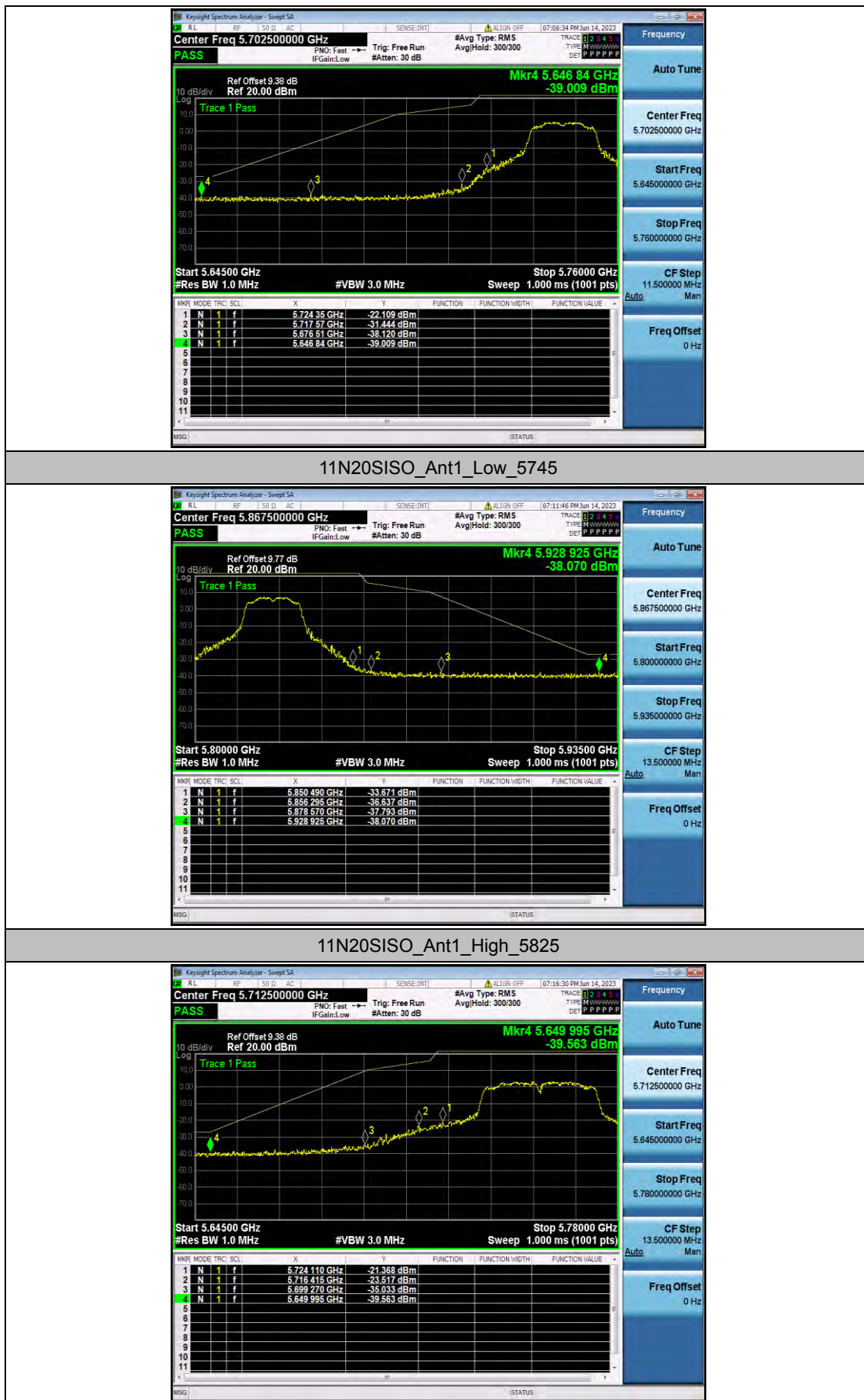
Test Graphs B4



11A_Ant1_Low_5745



11A_Ant1_High_5825



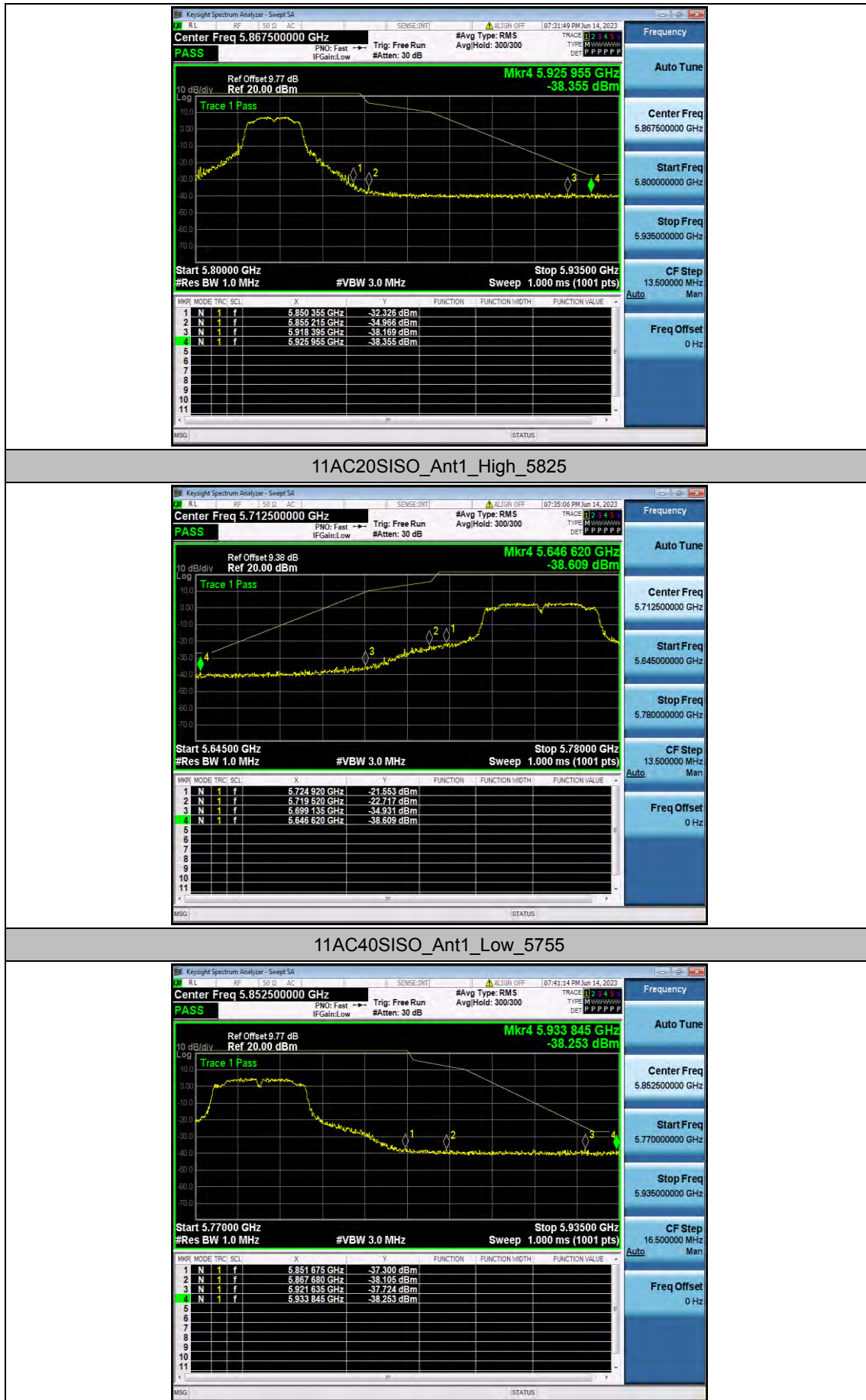
11N40SISO_Ant1_Low_5755



11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



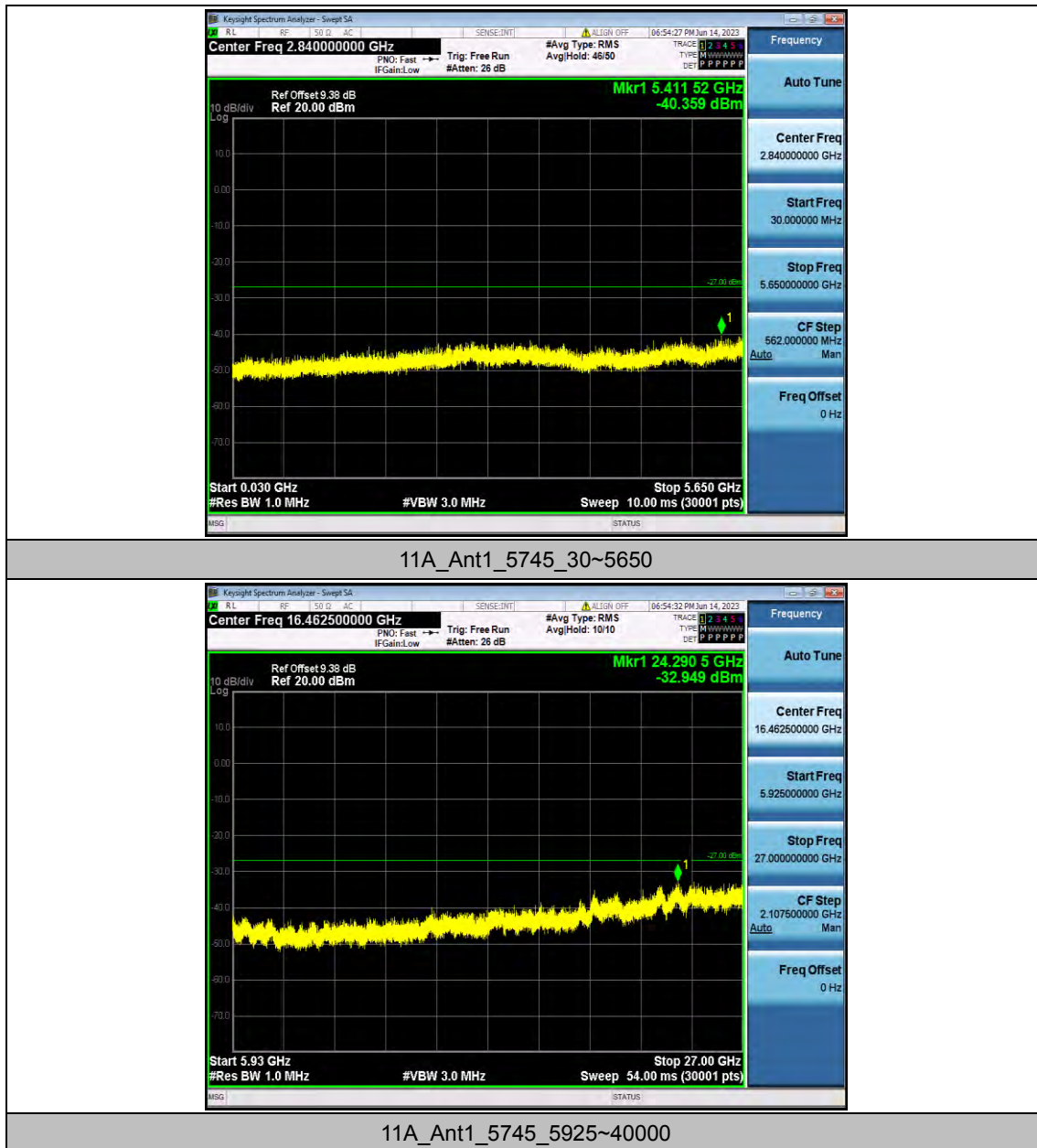
11AC80SISO_Ant1_High_5775

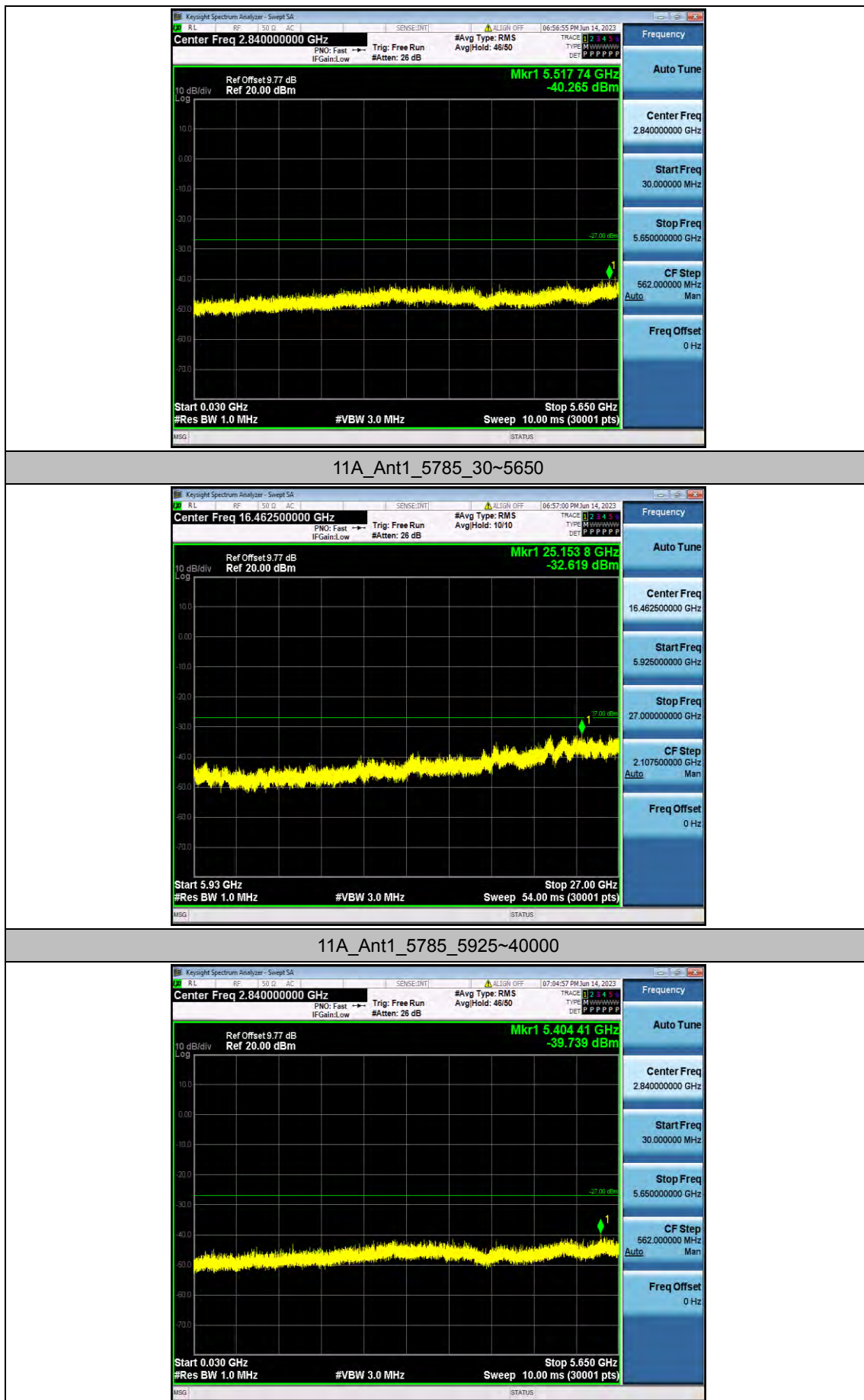
Appendix E.7: Conducted Spurious Emission

Test Result

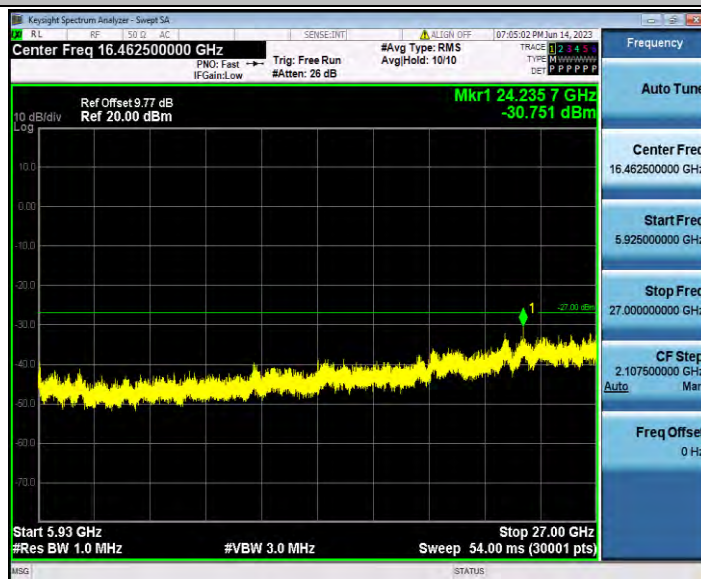
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5411.52	-40.36	≤-27	PASS
			5925~40000	24290.46	-32.95	≤-27	PASS
		5785	30~5650	5517.74	-40.27	≤-27	PASS
			5925~40000	25153.83	-32.62	≤-27	PASS
		5825	30~5650	5404.41	-39.74	≤-27	PASS
			5925~40000	24235.66	-30.75	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	4957.24	-39.74	≤-27	PASS
			5925~40000	25063.21	-32.76	≤-27	PASS
		5785	30~5650	5452.18	-39.79	≤-27	PASS
			5925~40000	24270.79	-32.32	≤-27	PASS
		5825	30~5650	3265.06	-39.92	≤-27	PASS
			5925~40000	24211.78	-32.54	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5618.72	-40.86	≤-27	PASS
			5925~40000	24238.47	-32.57	≤-27	PASS
		5795	30~5650	5442.62	-40.39	≤-27	PASS
			5925~40000	26879.87	-31.7	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5642.13	-39.5	≤-27	PASS
			5925~40000	26020.72	-33.21	≤-27	PASS
		5785	30~5650	907.09	-34.82	≤-27	PASS
			5925~40000	23597.79	-31.44	≤-27	PASS
		5825	30~5650	5434.19	-40.22	≤-27	PASS
			5925~40000	24844.03	-32	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	3638.6	-40.91	≤-27	PASS
			5925~40000	25969.43	-32.31	≤-27	PASS
		5795	30~5650	4930.83	-40.09	≤-27	PASS
			5925~40000	24260.25	-32.06	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5644.75	-34.98	≤-27	PASS
			5925~40000	23548.62	-32.44	≤-27	PASS

Test Graphs





11A_Ant1_5825_30~5650



11A_Ant1_5825_5925~40000



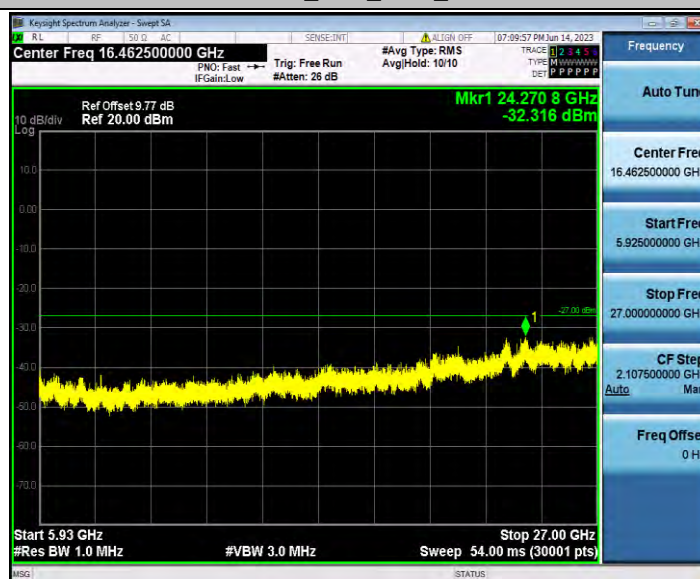
11N20SISO_Ant1_5745_30~5650



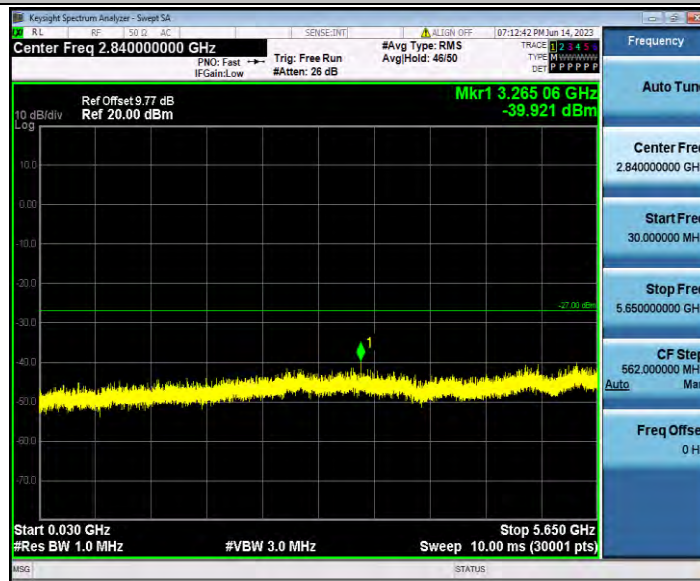
11N20SISO_Ant1_5745_5925~40000



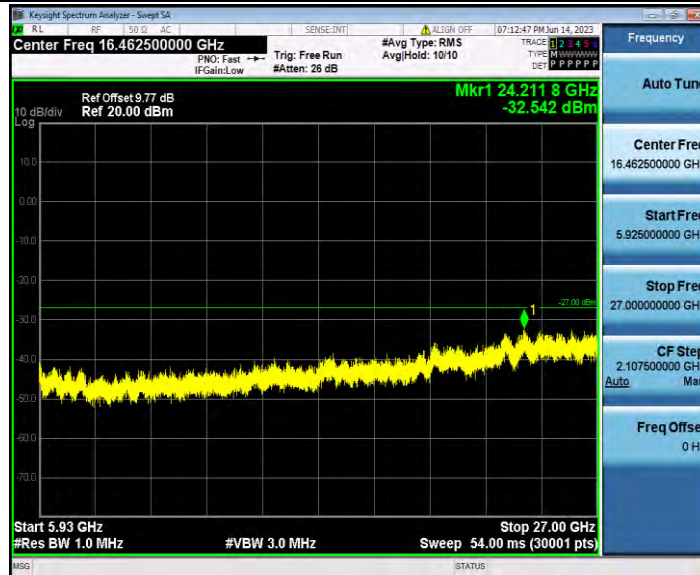
11N20SISO_Ant1_5785_30~5650



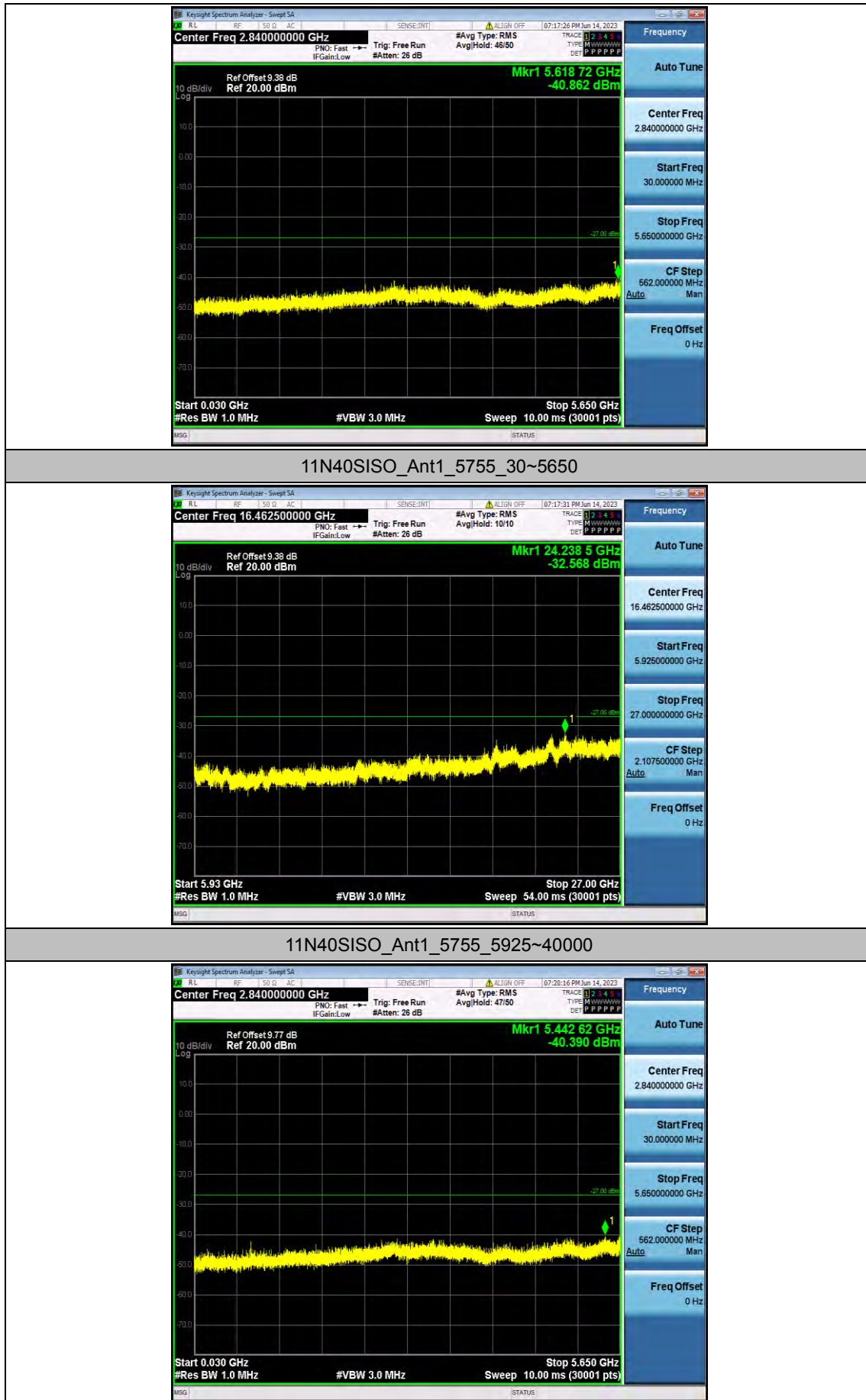
11N20SISO_Ant1_5785_5925~40000



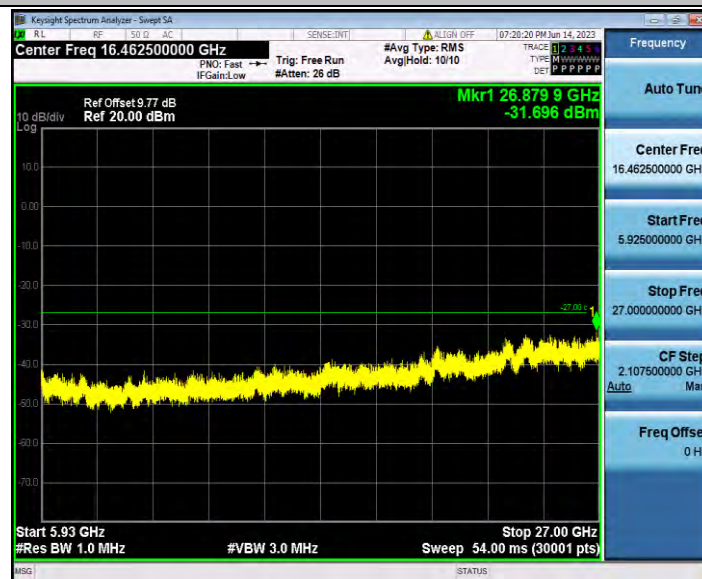
11N20SISO_Ant1_5825_30~5650



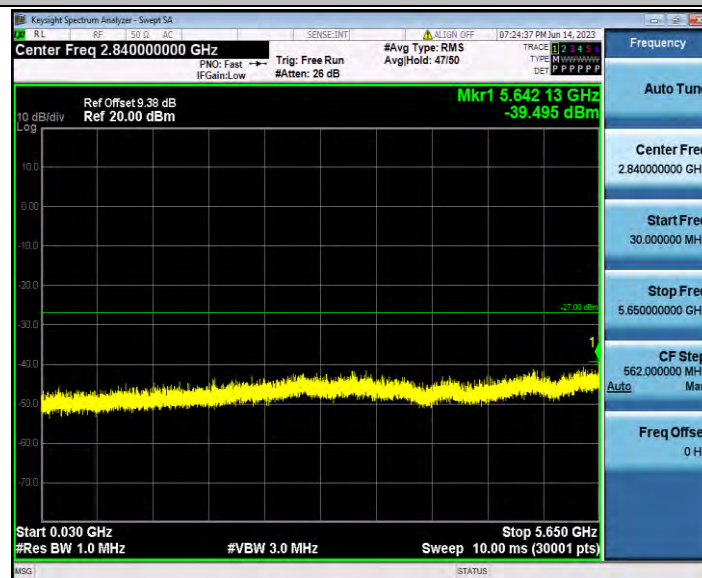
11N20SISO_Ant1_5825_5925~40000



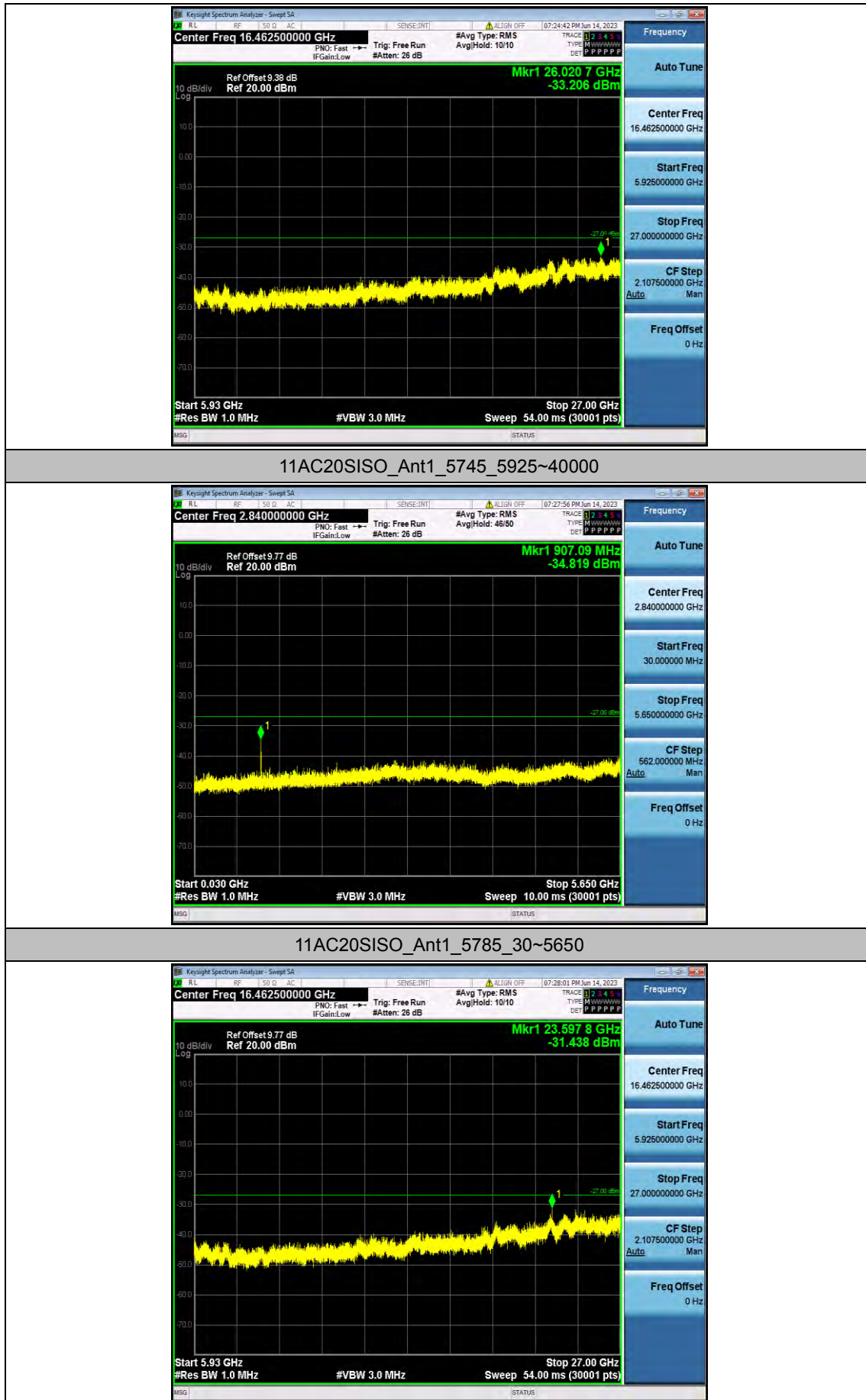
11N40SISO_Ant1_5795_30~5650



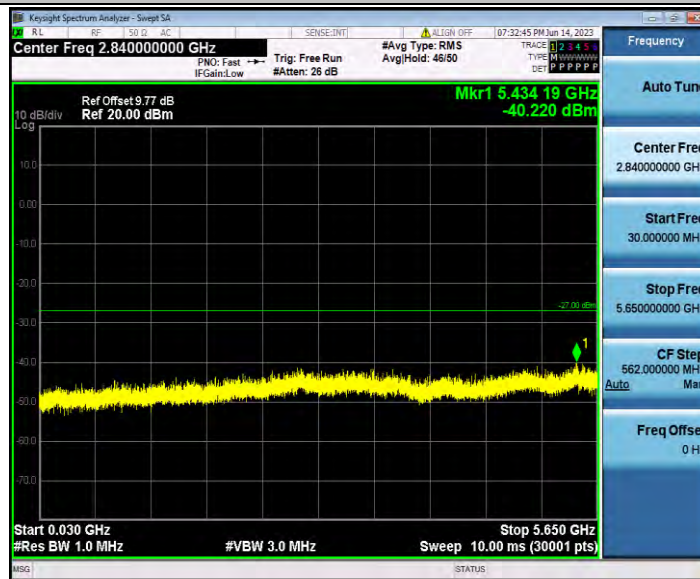
11N40SISO_Ant1_5795_5925~40000



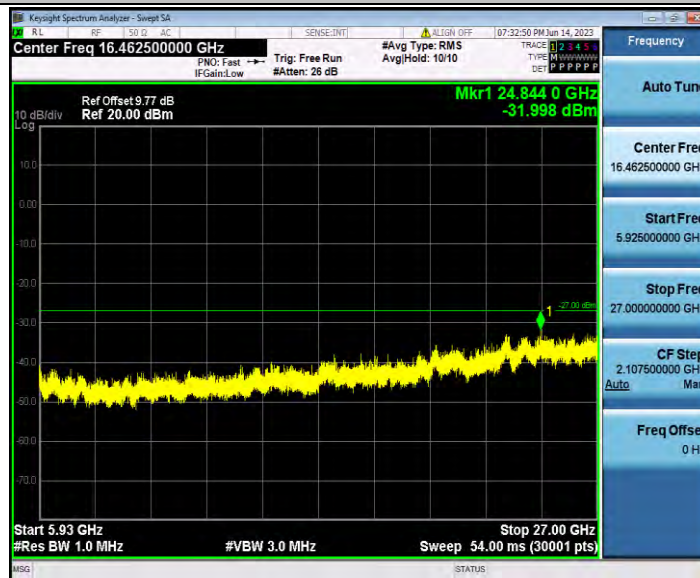
11AC20SISO_Ant1_5745_30~5650



11AC20SISO_Ant1_5785_5925~40000



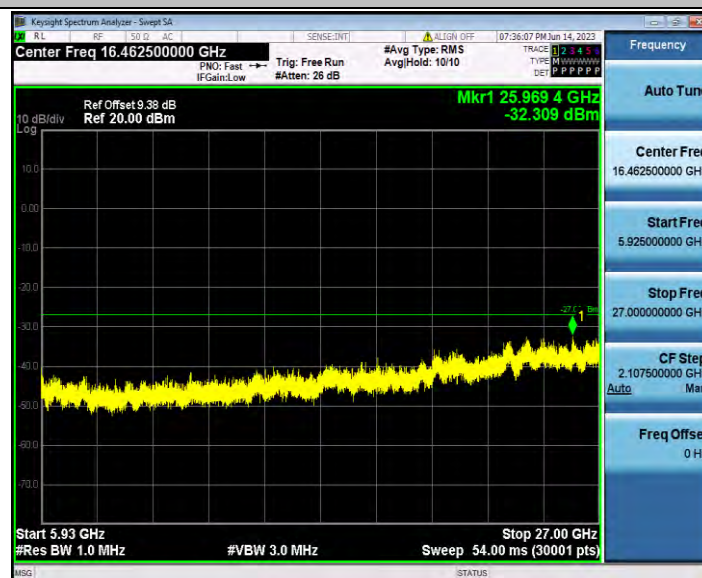
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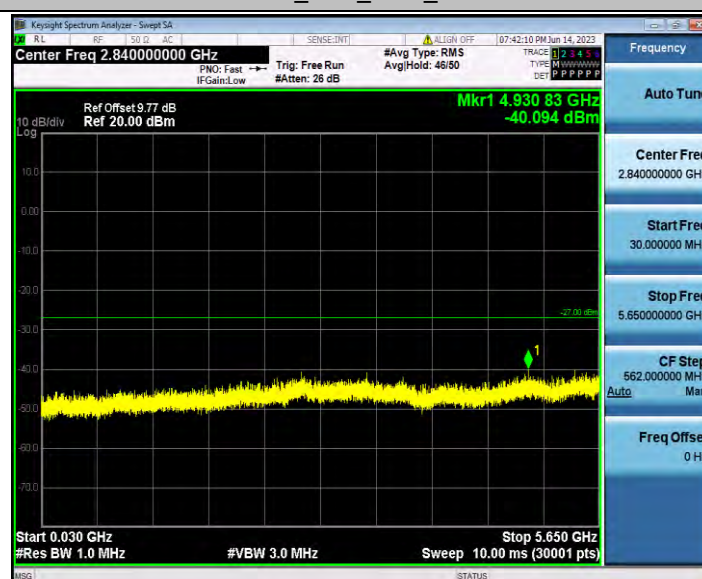
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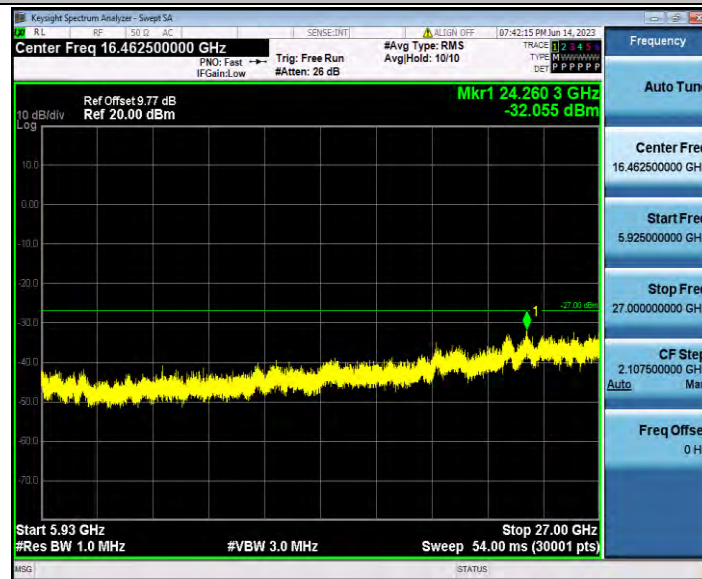
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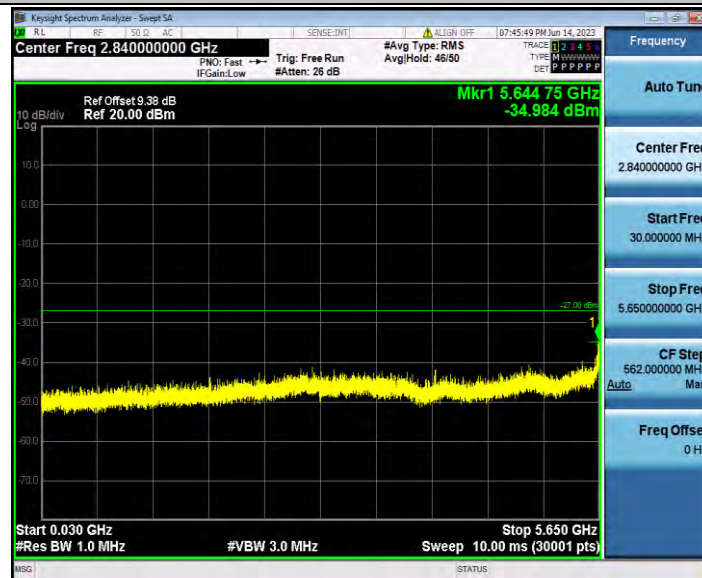
11AC40SISO_Ant1_5755_5925~40000



11AC40SISO_Ant1_5795_30~5650



11AC40SISO_Ant1_5795_5925~40000



11AC80SISO_Ant1_5775_30~5650

