

Case No. : <u>GTS20230508024-1-20</u>	
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.5.31</u>	Test Engineer: <u>Jenny zeng</u>

Appendix E.1: Occupied channel bandwidth

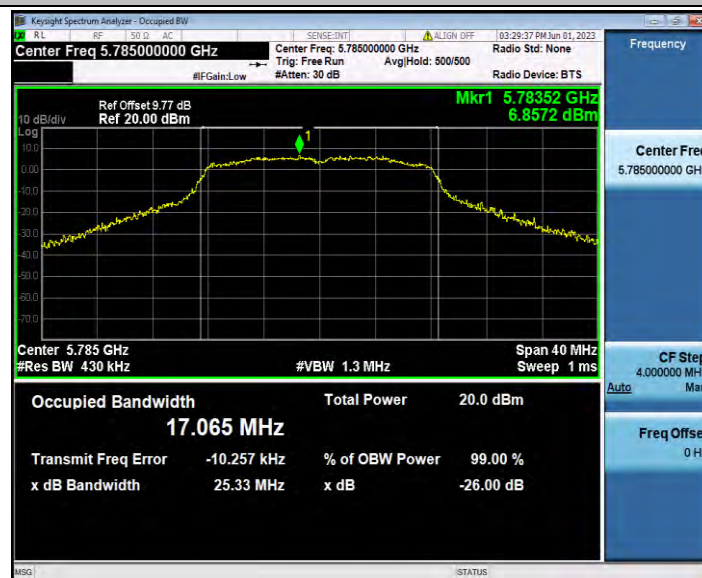
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.865	5736.558	5753.423	---	---
		5785	17.065	5776.457	5793.522	---	---
		5825	17.312	5816.305	5833.617	---	---
11N20SISO	Ant1	5745	18.065	5735.961	5754.026	---	---
		5785	18.176	5775.897	5794.073	---	---
		5825	18.327	5815.792	5834.119	---	---
11N40SISO	Ant1	5755	36.375	5736.808	5773.183	---	---
		5795	36.439	5776.791	5813.230	---	---
11AC20SISO	Ant1	5745	18.026	5735.978	5754.004	---	---
		5785	18.220	5775.883	5794.103	---	---
		5825	18.352	5815.803	5834.155	---	---
11AC40SISO	Ant1	5755	36.265	5736.904	5773.169	---	---
		5795	36.403	5776.832	5813.235	---	---
11AC80SISO	Ant1	5775	75.887	5737.247	5813.134	---	---

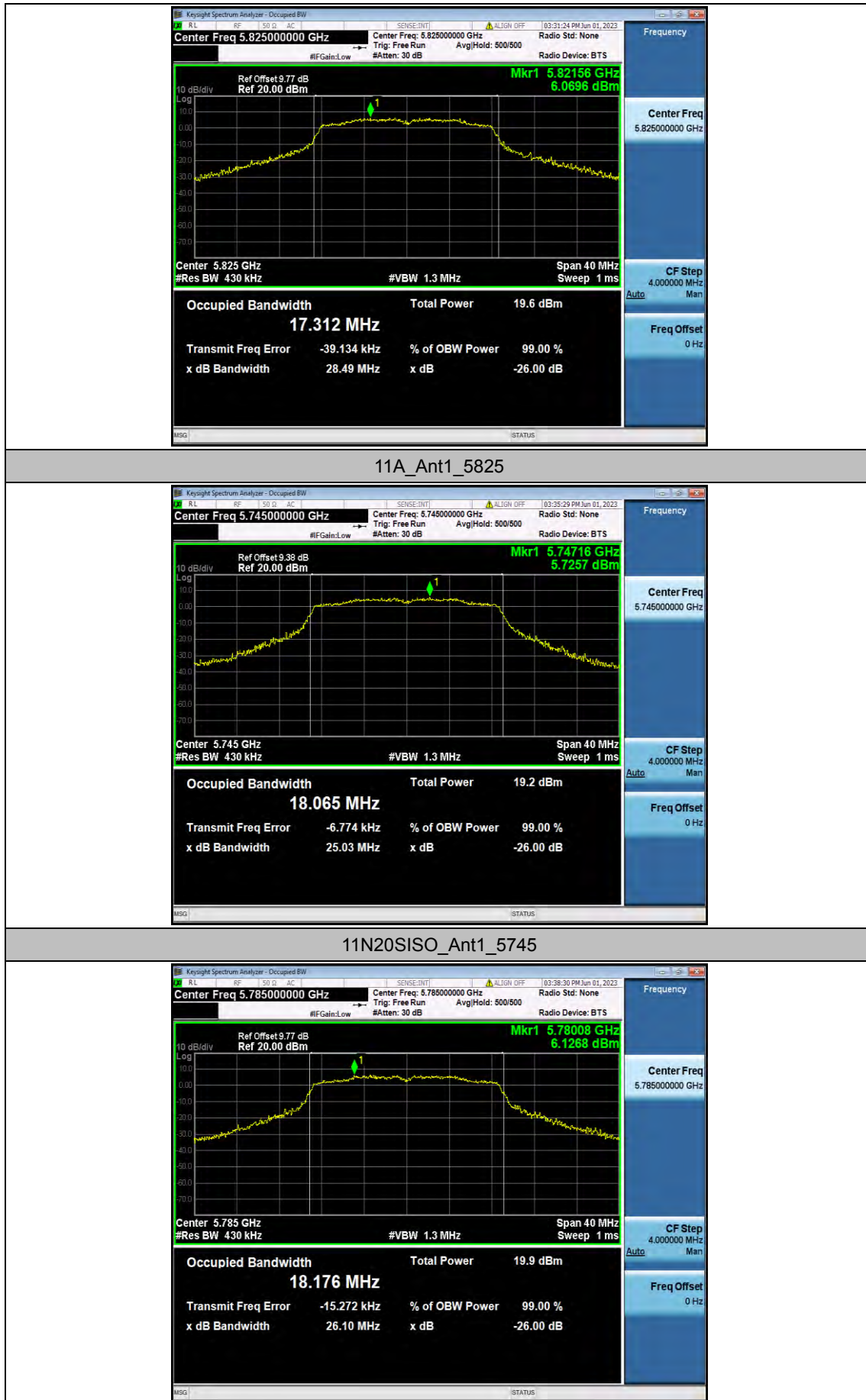
Test Graphs



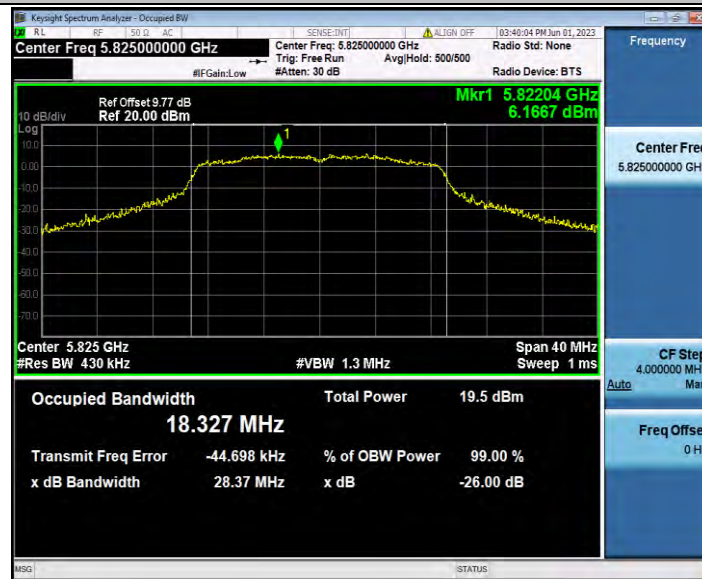
11A_Ant1_5745



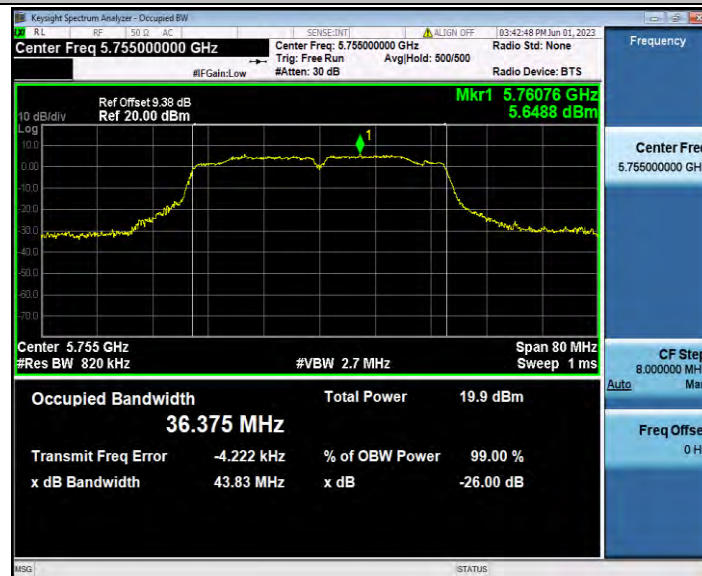
11A_Ant1_5785



11N20SISO_Ant1_5785



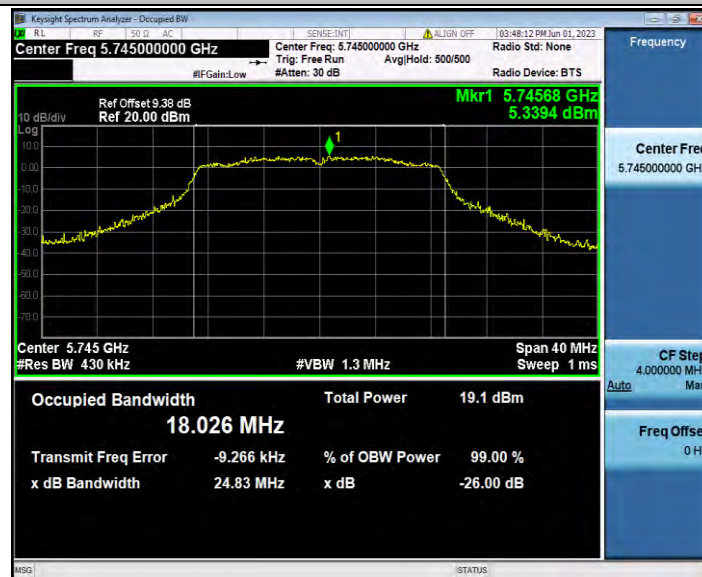
11N20SISO_Ant1_5825



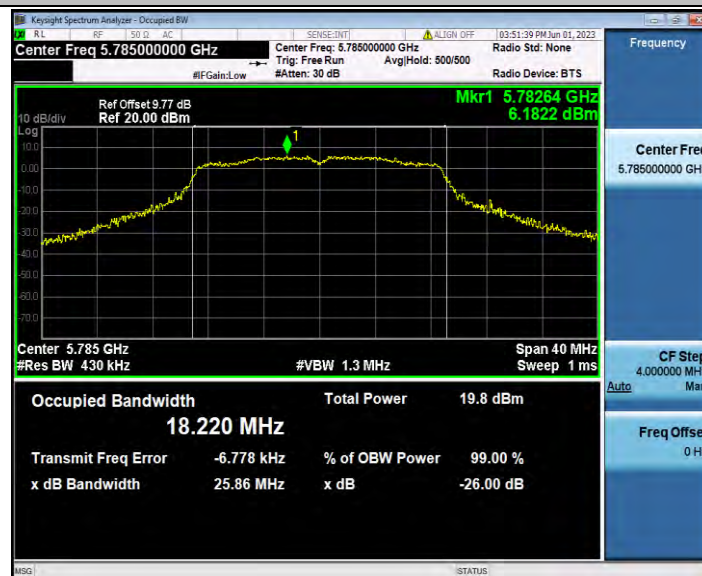
11N40SISO_Ant1_5755



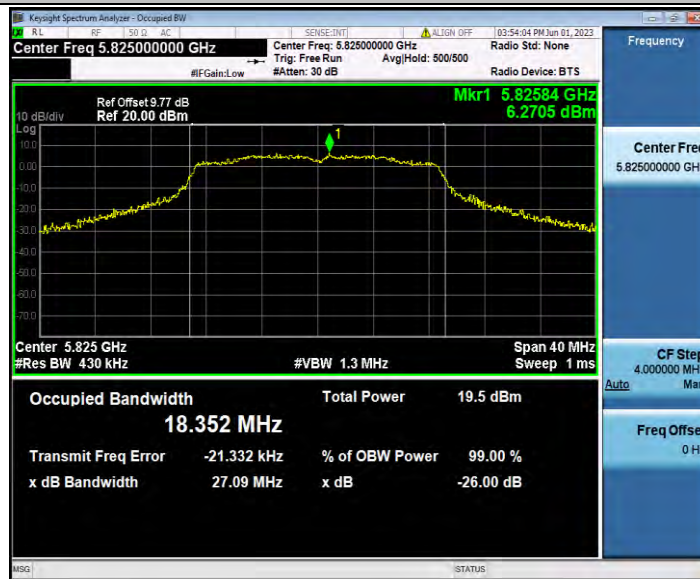
11N40SISO_Ant1_5795



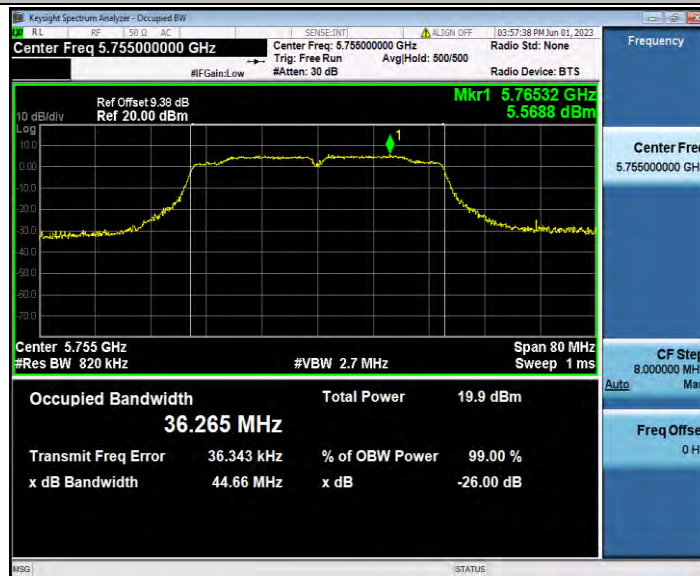
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



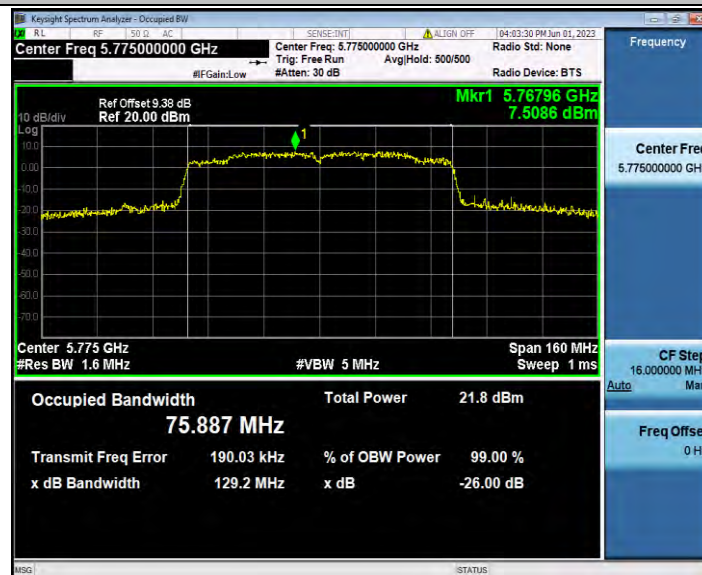
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

Appendix E.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	15.640	5737.080	5752.720	0.5	PASS
		5785	15.240	5777.200	5792.440	0.5	PASS
		5825	15.320	5817.240	5832.560	0.5	PASS
11N20SISO	Ant1	5745	15.040	5737.480	5752.520	0.5	PASS
		5785	15.120	5777.400	5792.520	0.5	PASS
		5825	13.840	5818.680	5832.520	0.5	PASS
11N40SISO	Ant1	5755	35.120	5737.400	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	13.840	5738.680	5752.520	0.5	PASS
		5785	15.080	5777.400	5792.480	0.5	PASS
		5825	14.960	5817.520	5832.480	0.5	PASS
11AC40SISO	Ant1	5755	34.960	5737.560	5772.520	0.5	PASS
		5795	35.120	5777.400	5812.520	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4





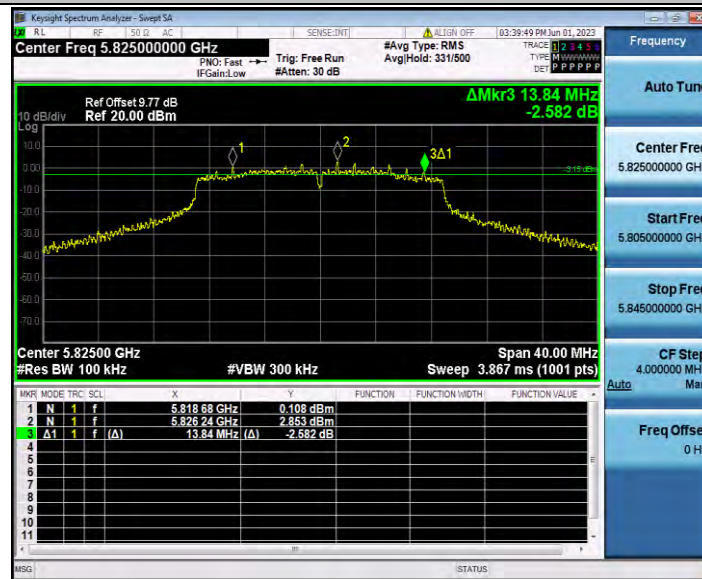
11A_Ant1_5825



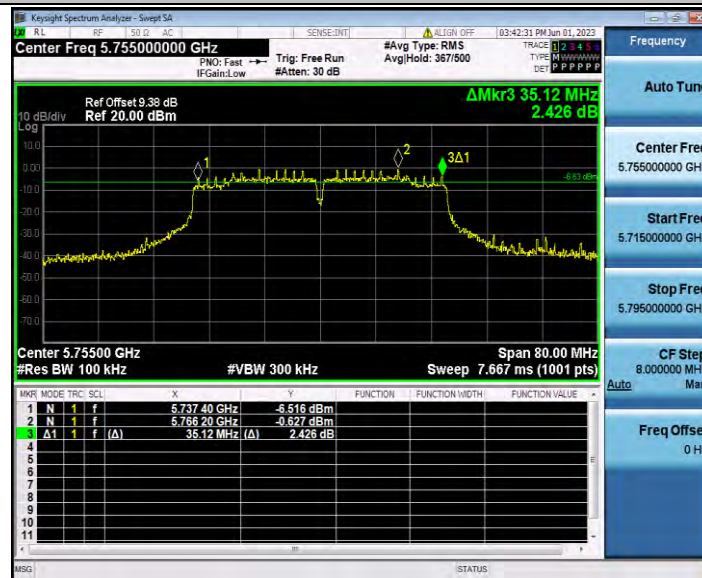
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



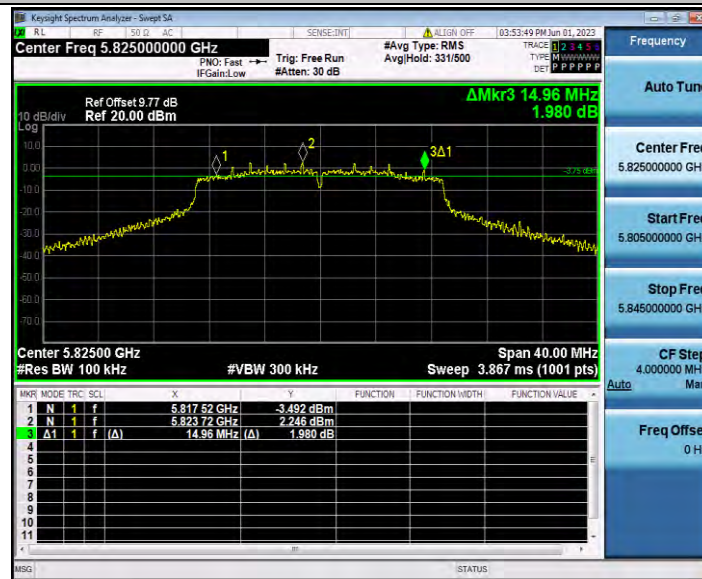
11N20SISO_Ant1_5825



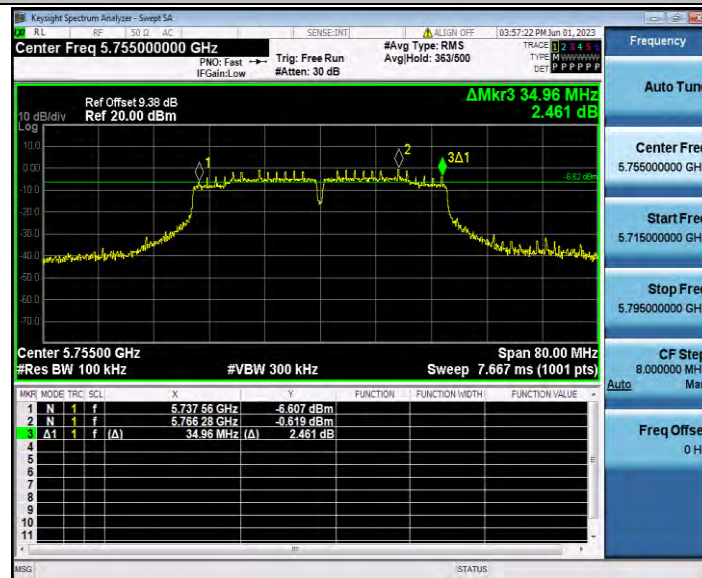
11N40SISO_Ant1_5755



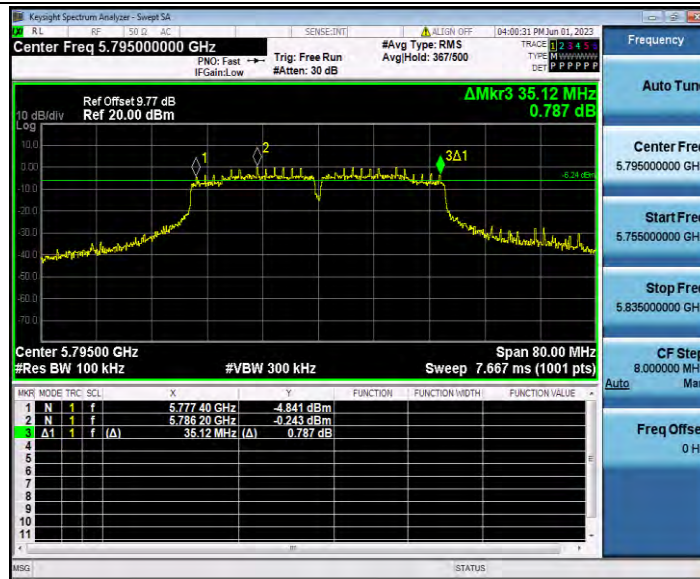
11AC20SISO_Ant1_5785



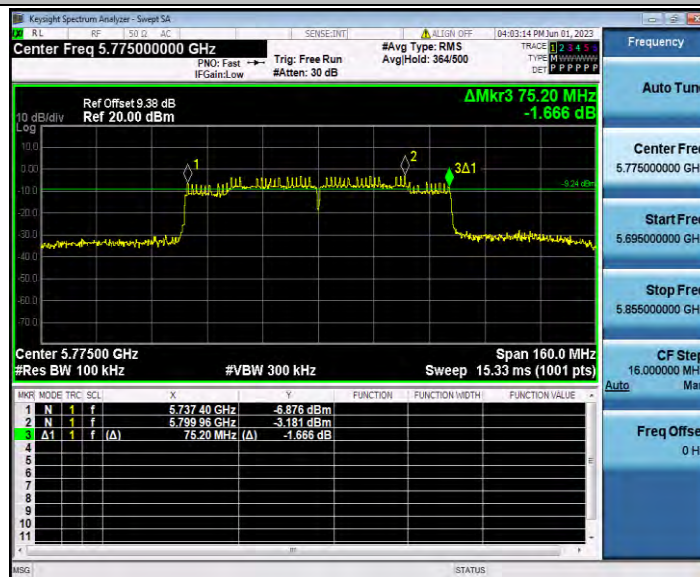
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



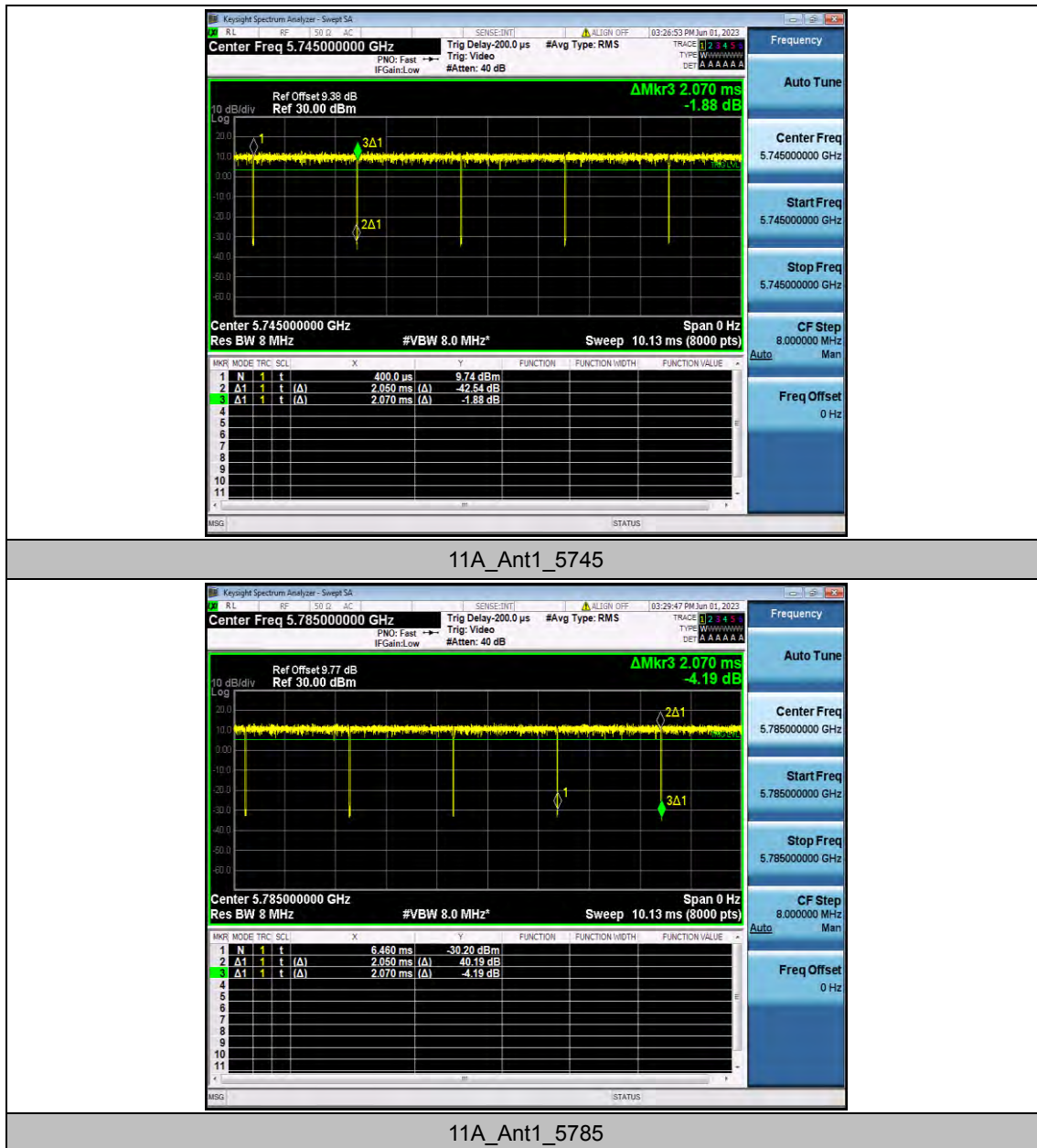
11AC80SISO_Ant1_5775

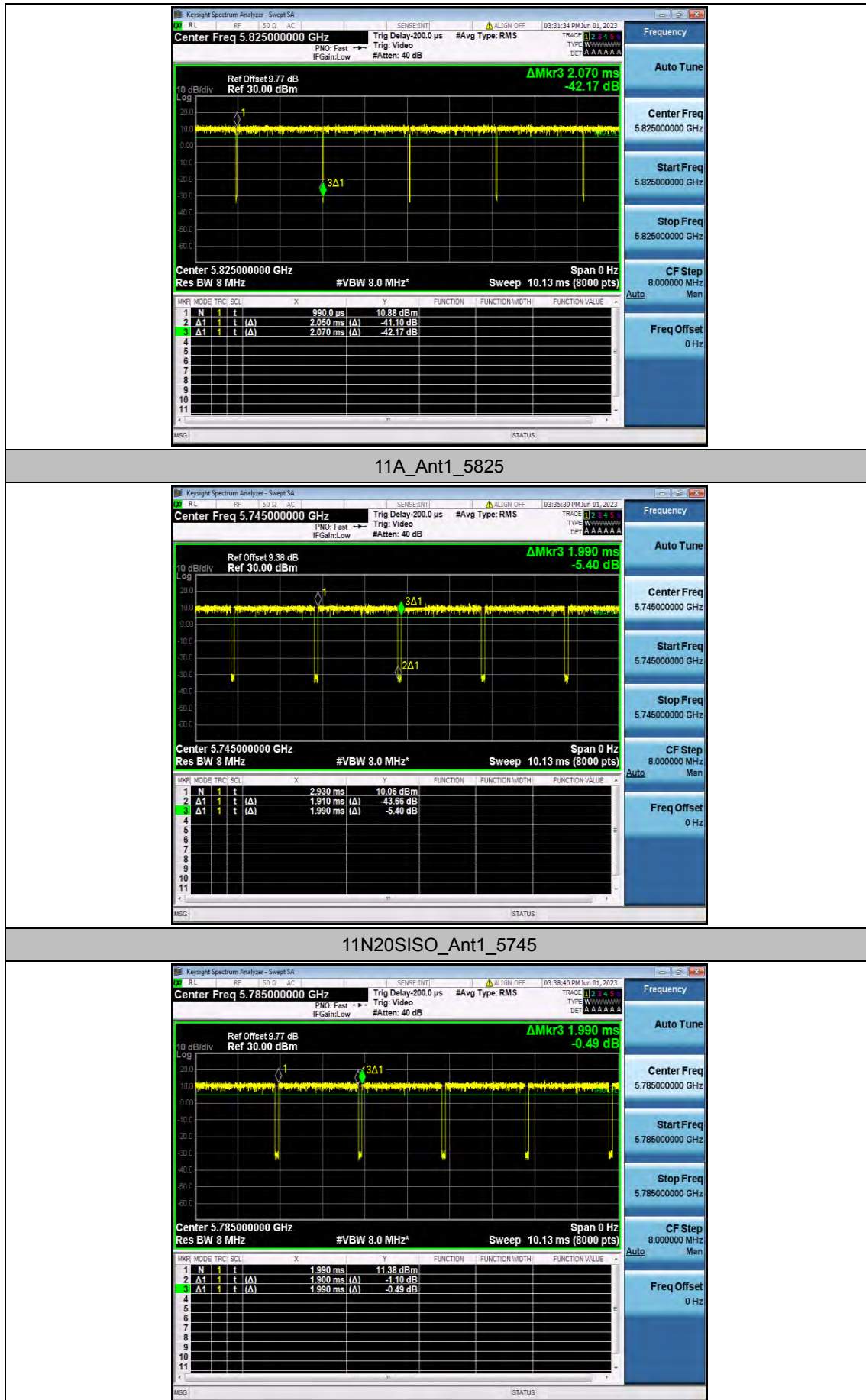
Appendix E.3: Duty Cycle

Test Result

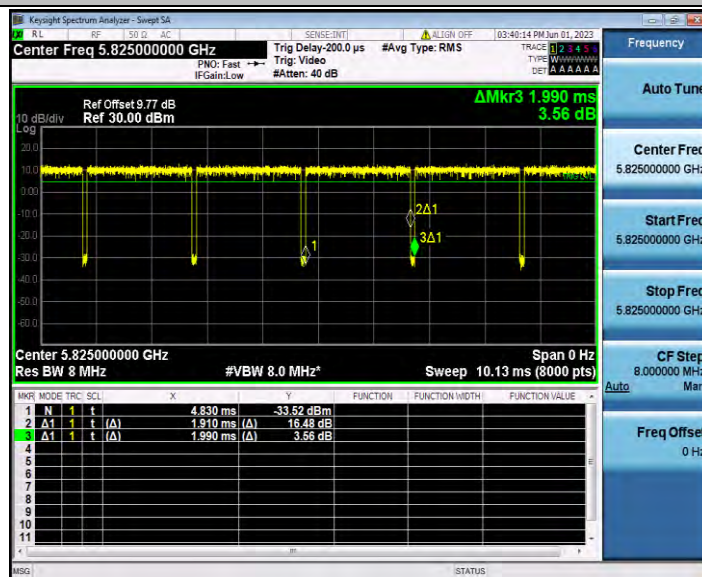
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	2.05	2.07	99.03
		5785	2.05	2.07	99.03
		5825	2.05	2.07	99.03
11N20SISO	Ant1	5745	1.91	1.99	95.98
		5785	1.90	1.99	95.48
		5825	1.91	1.99	95.98
11N40SISO	Ant1	5755	0.94	1.11	84.68
		5795	0.94	1.10	85.45
11AC20SISO	Ant1	5745	1.91	2.00	95.50
		5785	1.91	2.00	95.50
		5825	1.92	2.00	96.00
11AC40SISO	Ant1	5755	0.94	1.11	84.68
		5795	0.95	1.12	84.82
11AC80SISO	Ant1	5775	0.46	0.54	85.19

Test Graphs

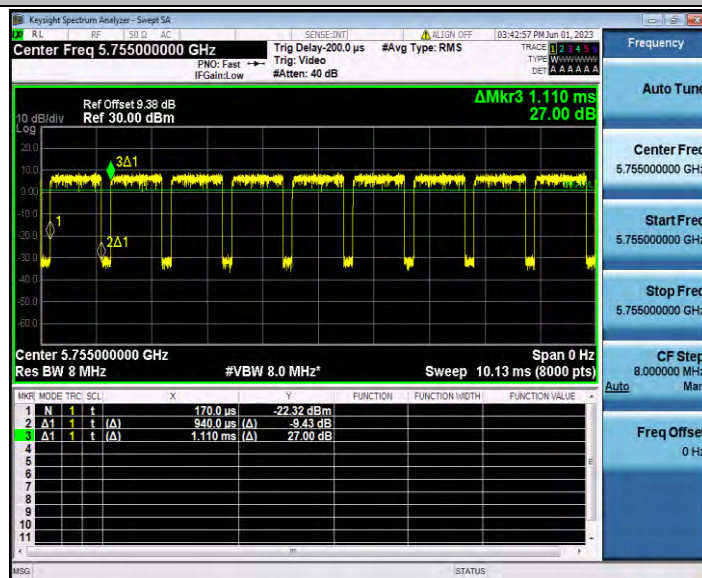




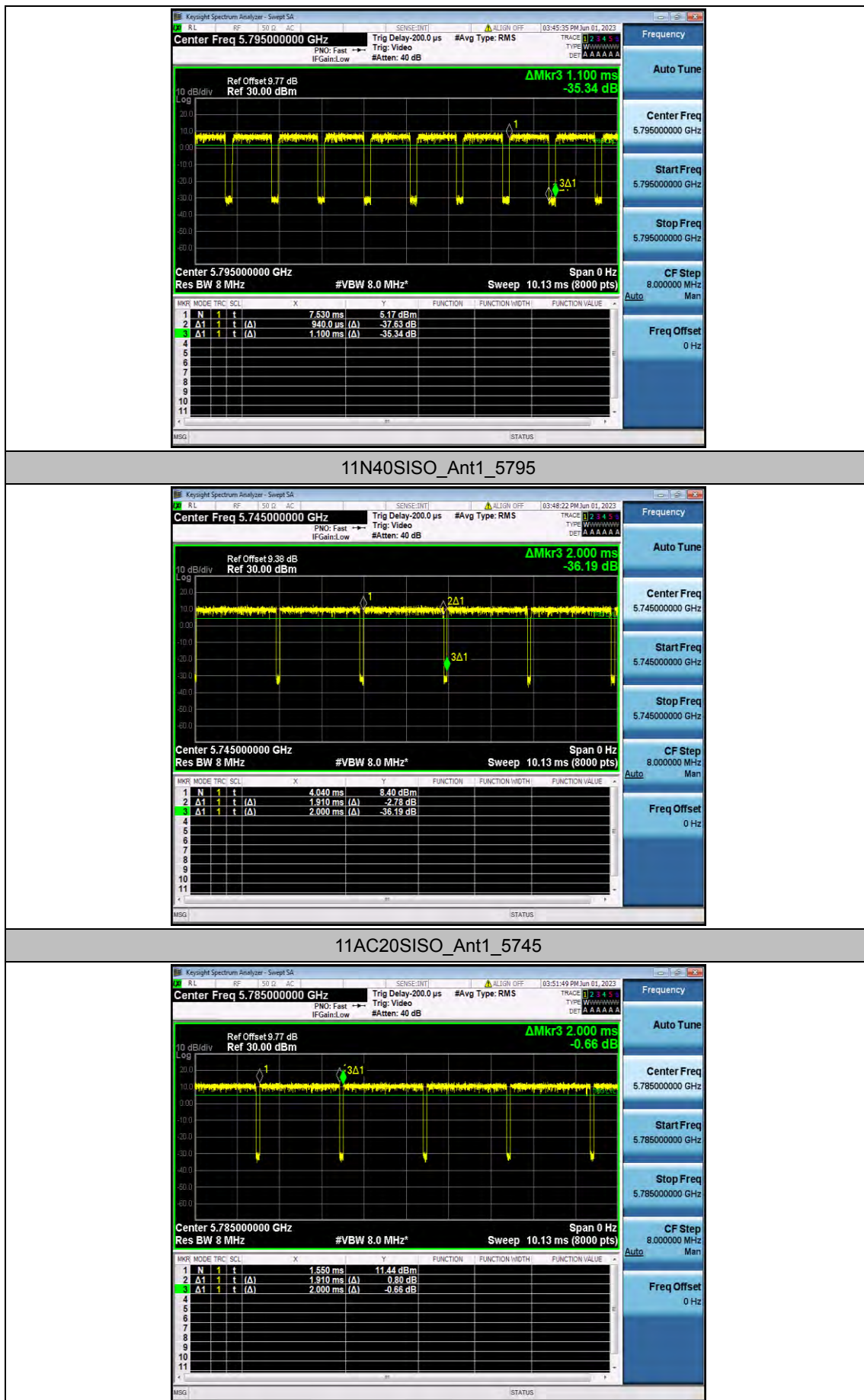
11N20SISO_Ant1_5785



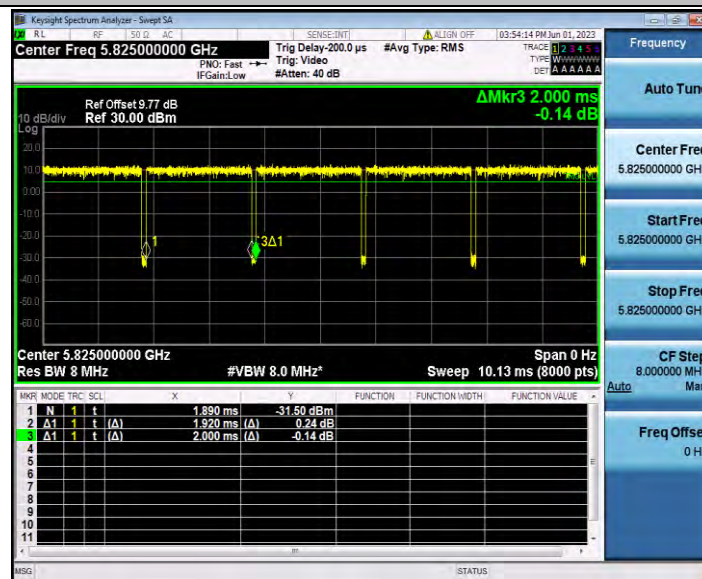
11N20SISO_Ant1_5825



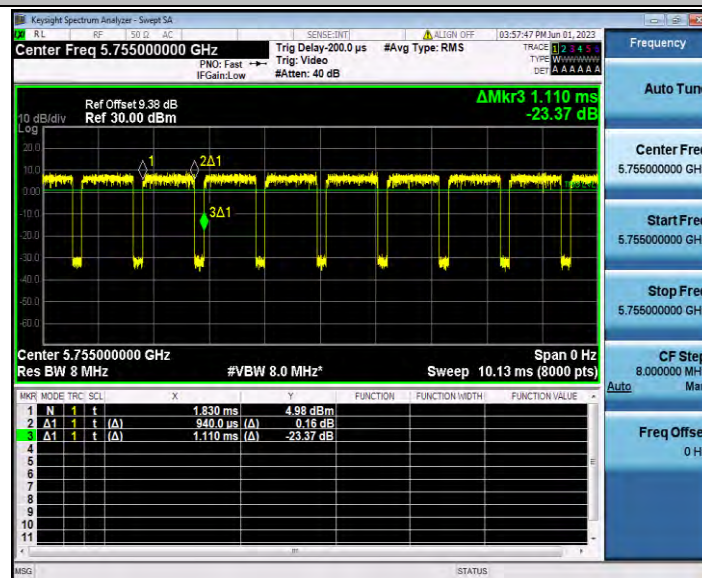
11N40SISO_Ant1_5755



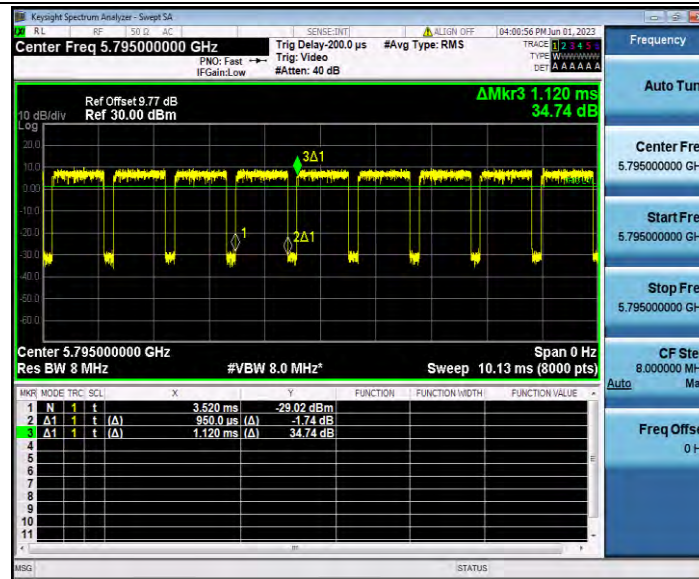
11AC20SISO_Ant1_5785



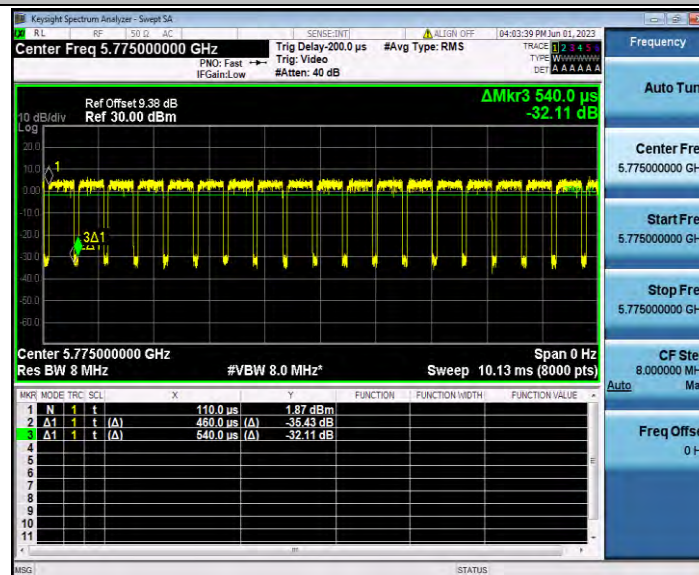
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

Appendix E.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	12.17	99.03	0.04	12.21	≤30.00	PASS
		5785	13.12	99.03	0.04	13.16	≤30.00	PASS
		5825	12.77	99.03	0.04	12.81	≤30.00	PASS
11N20SISO	Ant1	5745	12.16	95.98	0.18	12.34	≤30.00	PASS
		5785	12.85	95.48	0.20	13.05	≤30.00	PASS
		5825	12.49	95.98	0.18	12.67	≤30.00	PASS
11N40SISO	Ant1	5755	11.77	84.68	0.72	12.49	≤30.00	PASS
		5795	12.39	85.45	0.68	13.07	≤30.00	PASS
11AC20SISO	Ant1	5745	12.14	95.50	0.20	12.34	≤30.00	PASS
		5785	12.76	95.50	0.20	12.96	≤30.00	PASS
		5825	12.52	96.00	0.18	12.70	≤30.00	PASS
11AC40SISO	Ant1	5755	11.69	84.68	0.72	12.41	≤30.00	PASS
		5795	12.50	84.82	0.72	13.22	≤30.00	PASS
11AC80SISO	Ant1	5775	12.17	85.19	0.70	12.87	≤30.00	PASS

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

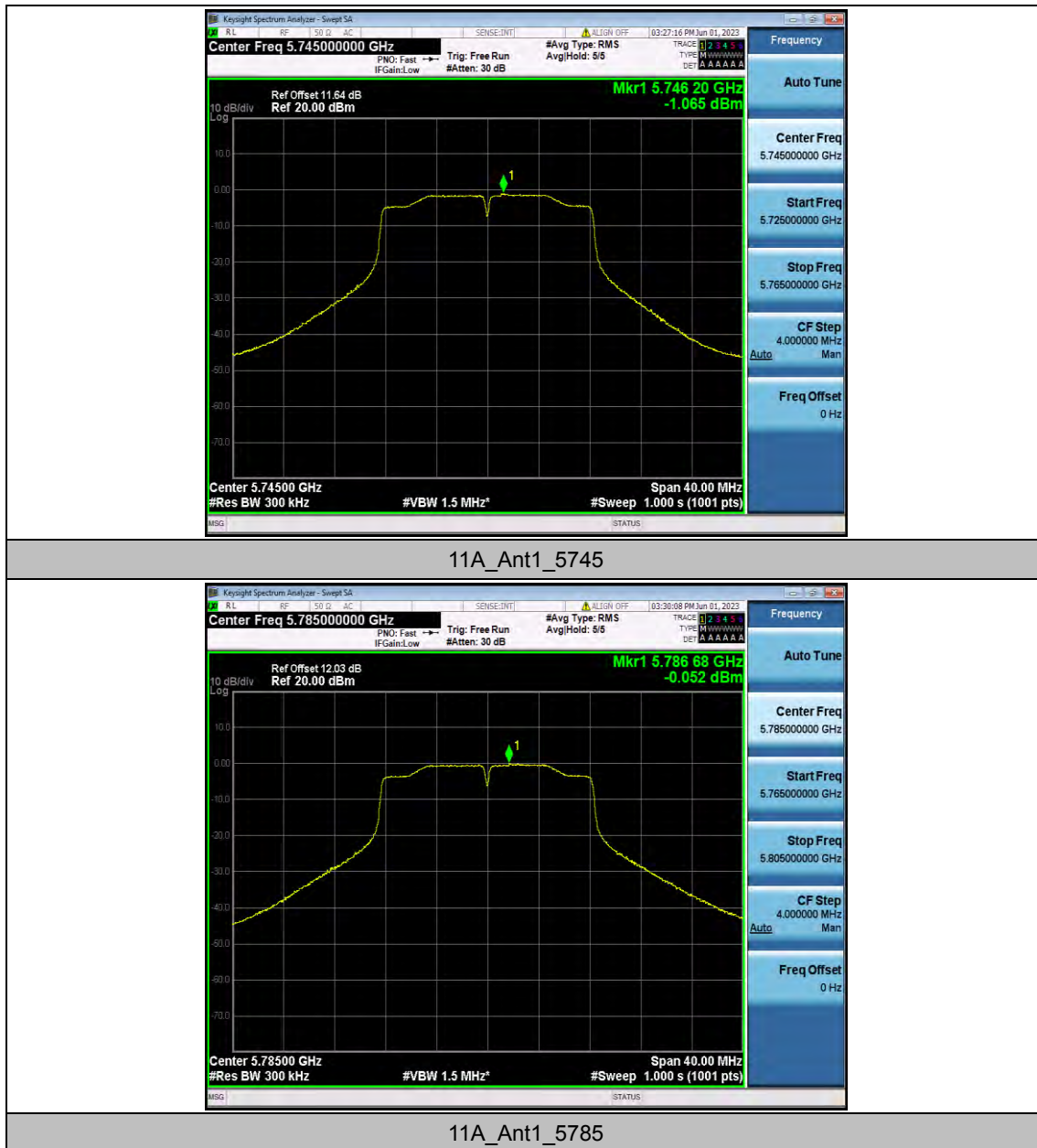
Appendix E.5: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-1.07	≤30.00	PASS
		5785	-0.05	≤30.00	PASS
		5825	-0.7	≤30.00	PASS
11N20SISO	Ant1	5745	-1.37	≤30.00	PASS
		5785	-0.45	≤30.00	PASS
		5825	-0.94	≤30.00	PASS
11N40SISO	Ant1	5755	-4.25	≤30.00	PASS
		5795	-3.6	≤30.00	PASS
11AC20SISO	Ant1	5745	-1.41	≤30.00	PASS
		5785	-0.05	≤30.00	PASS
		5825	-0.67	≤30.00	PASS
11AC40SISO	Ant1	5755	-3.99	≤30.00	PASS
		5795	-3.46	≤30.00	PASS
11AC80SISO	Ant1	5775	-6.77	≤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

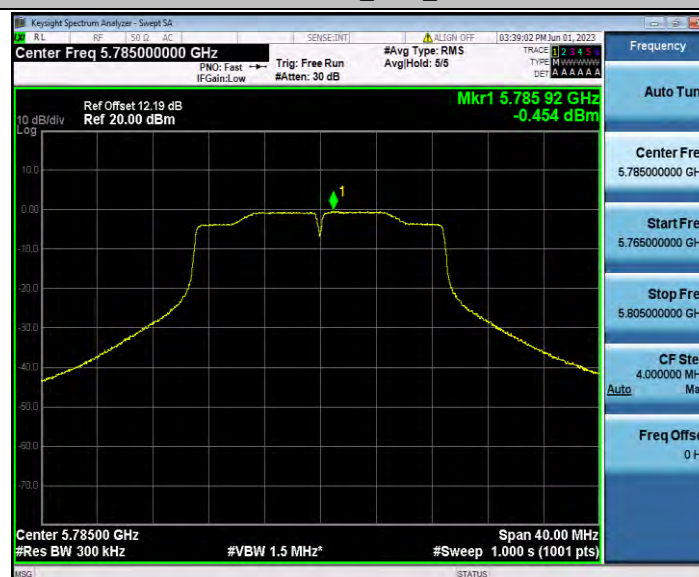




11A_Ant1_5825



11N20SISO_Ant1_5745



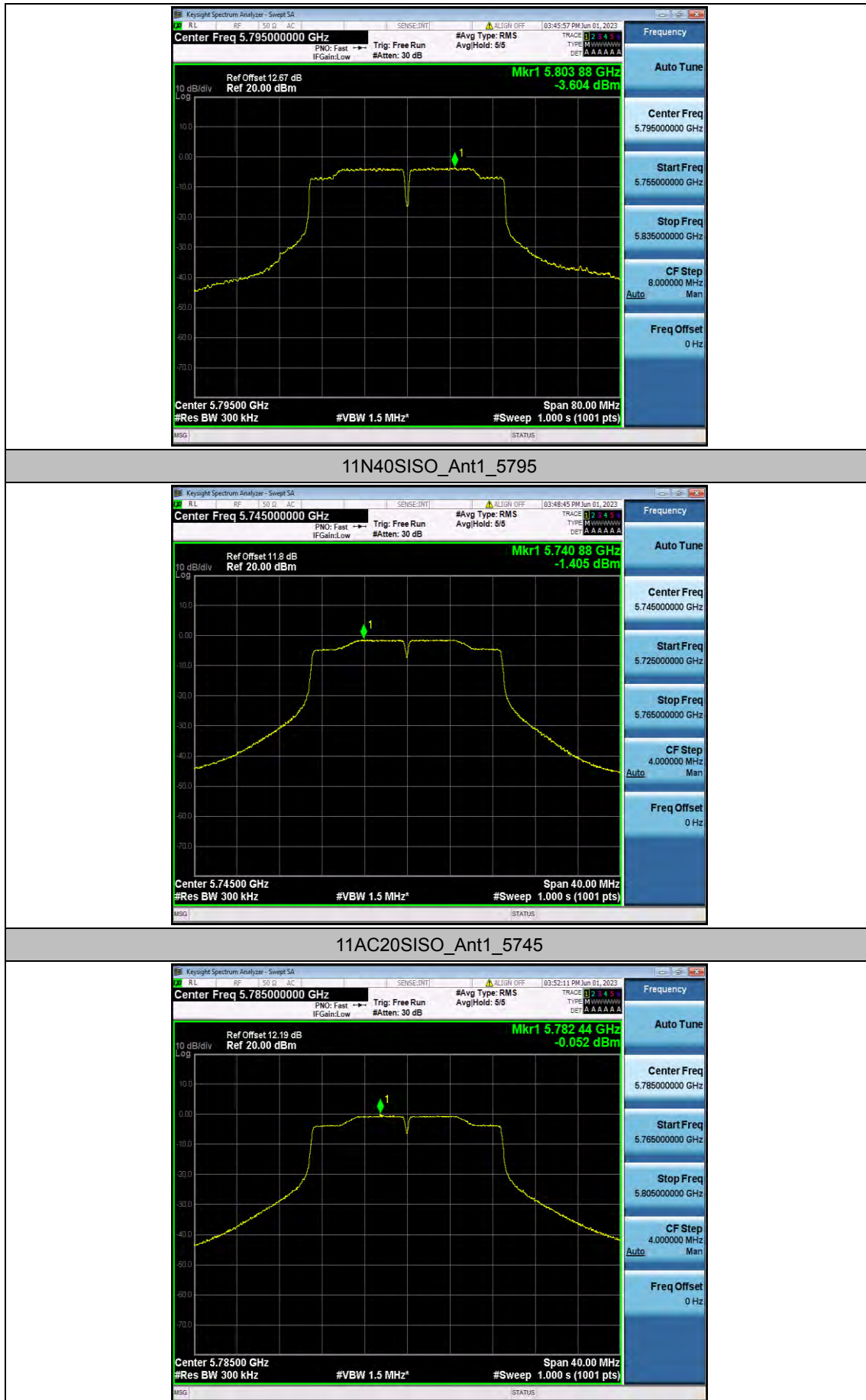
11N20SISO_Ant1_5785



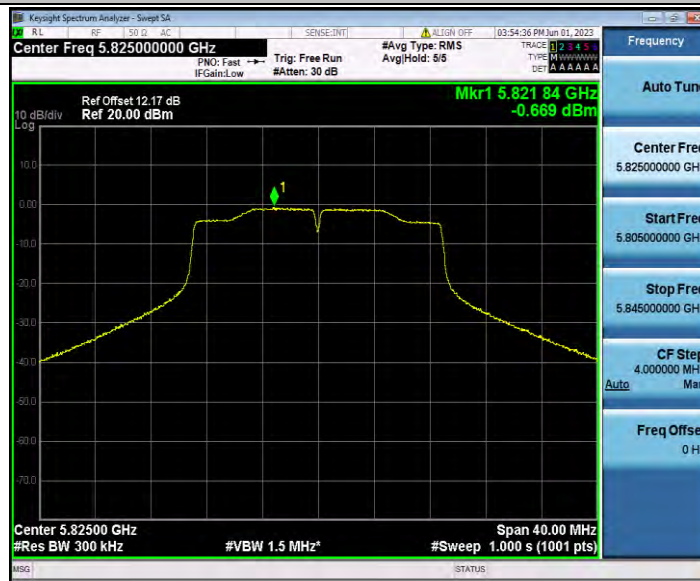
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



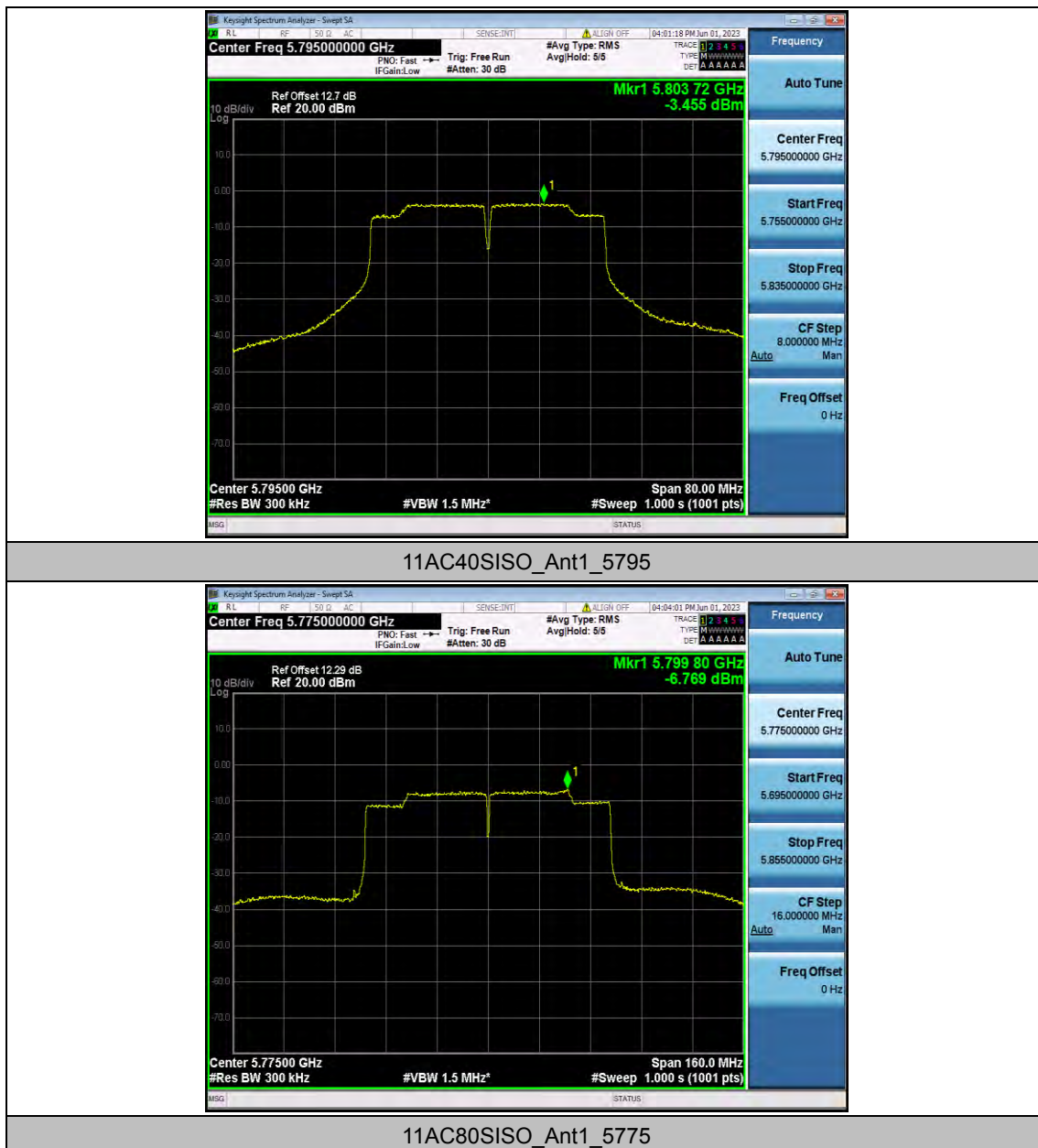
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



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	-37.3	≤-0.32	PASS
				5700~5720	-35.68	≤14.85	PASS
				5720~5725	-31.87	≤24.21	PASS
				5760~5650	-38.84	≤-27	PASS
		High	5825	5850~5855	-32.11	≤17.64	PASS
				5855~5875	-35.68	≤10.21	PASS
				5875~5925	-37.14	≤6.51	PASS
				5925~5935	-37.47	≤-27	PASS
11N20SISO	Ant1	Low	5745	5650~5700	-37.09	≤-0.83	PASS
				5700~5720	-33.26	≤14.53	PASS
				5720~5725	-27.83	≤25.52	PASS
				5760~5650	-39.04	≤-27	PASS
		High	5825	5850~5855	-30.9	≤16.72	PASS
				5855~5875	-34.83	≤10.40	PASS
				5875~5925	-37.19	≤-23.76	PASS
				5925~5935	-37.98	≤-27	PASS
11N40SISO	Ant1	Low	5755	5650~5700	-34.72	≤9.06	PASS
				5700~5720	-30.16	≤15.58	PASS
				5720~5725	-28.78	≤26.51	PASS
				5780~5650	-39.55	≤-27	PASS
		High	5795	5850~5855	-35.62	≤16.03	PASS
				5855~5875	-36.9	≤10.36	PASS
				5875~5925	-37.02	≤4.82	PASS
				5925~5935	-38.44	≤-27	PASS
11AC20SISO	Ant1	Low	5745	5650~5700	-37.72	≤-8.74	PASS
				5700~5720	-33.79	≤15.53	PASS
				5720~5725	-31.02	≤23.16	PASS
				5760~5650	-39.21	≤-27	PASS
		High	5825	5850~5855	-32.66	≤16.10	PASS
				5855~5875	-35.33	≤10.06	PASS
				5875~5925	-37.77	≤4.21	PASS
				5925~5935	-38.49	≤-27	PASS
11AC40SISO	Ant1	Low	5755	5650~5700	-34.33	≤6.36	PASS
				5700~5720	-30.02	≤14.37	PASS
				5720~5725	-29.38	≤18.81	PASS

		High	5795	5780~5650	-39.07	≤ -27	PASS
				5850~5855	-35.71	≤ 19.80	PASS
				5855~5875	-36.84	≤ 11.10	PASS
				5875~5925	-36.81	≤ -9.71	PASS
				5925~5935	-38.55	≤ -27	PASS
11AC80SI SO	Ant1	Low	5775	5650~5700	-24.03	≤ 8.07	PASS
				5700~5720	-20.98	≤ 15.04	PASS
				5720~5725	-21.25	≤ 19.18	PASS
				5800~5650	-32.85	≤ -27	PASS
		High	5775	5850~5855	-21.66	≤ 19.59	PASS
				5855~5875	-22.96	≤ 10.13	PASS
				5875~5925	-31.59	≤ -26.41	PASS
				5925~5935	-38.07	≤ -27	PASS

Test Graphs B4



11A_Ant1_Low_5745



11A_Ant1_High_5825



11N20SISO_Ant1_Low_5745



11N20SISO_Ant1_High_5825



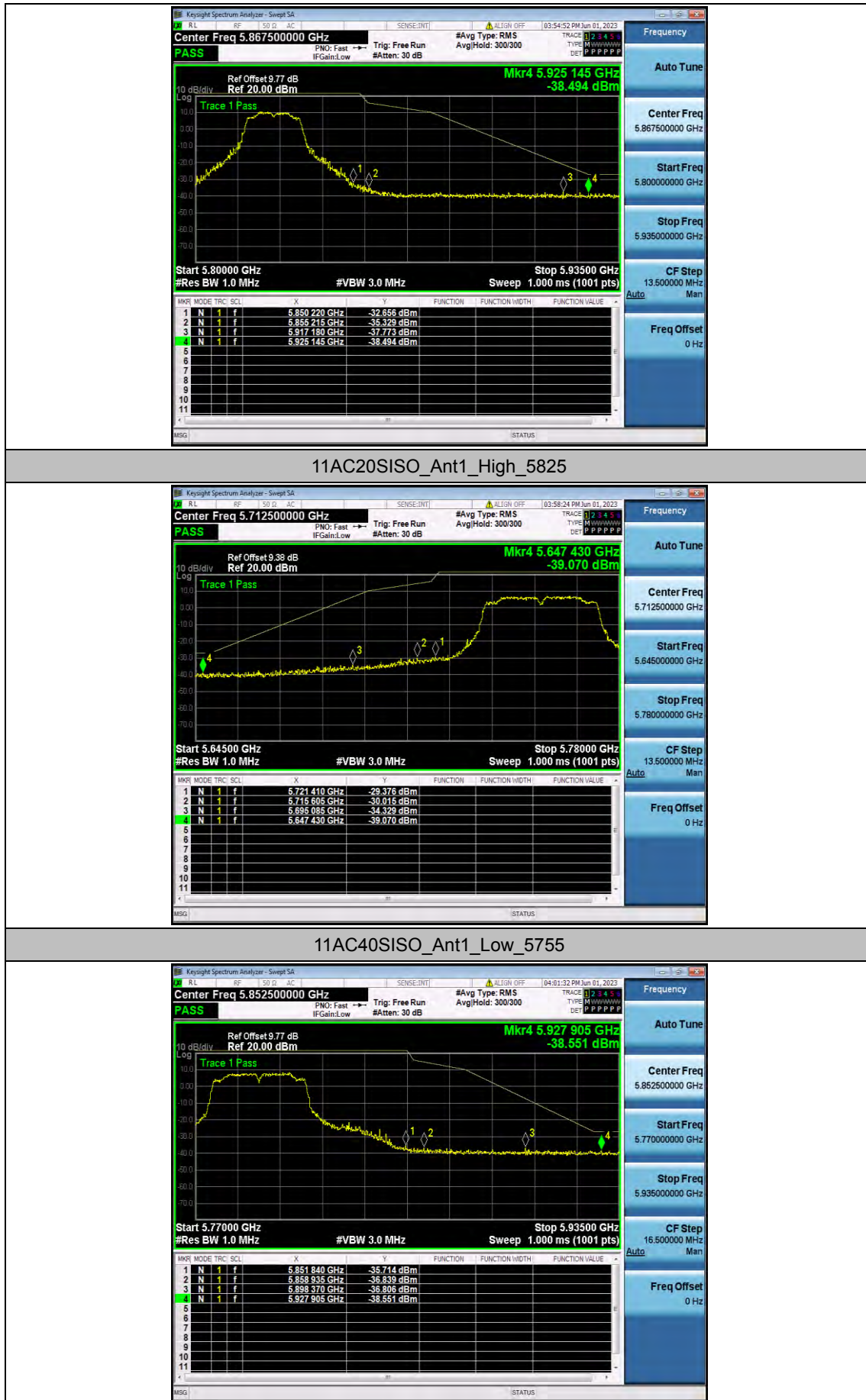
11N40SISO_Ant1_Low_5755



11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



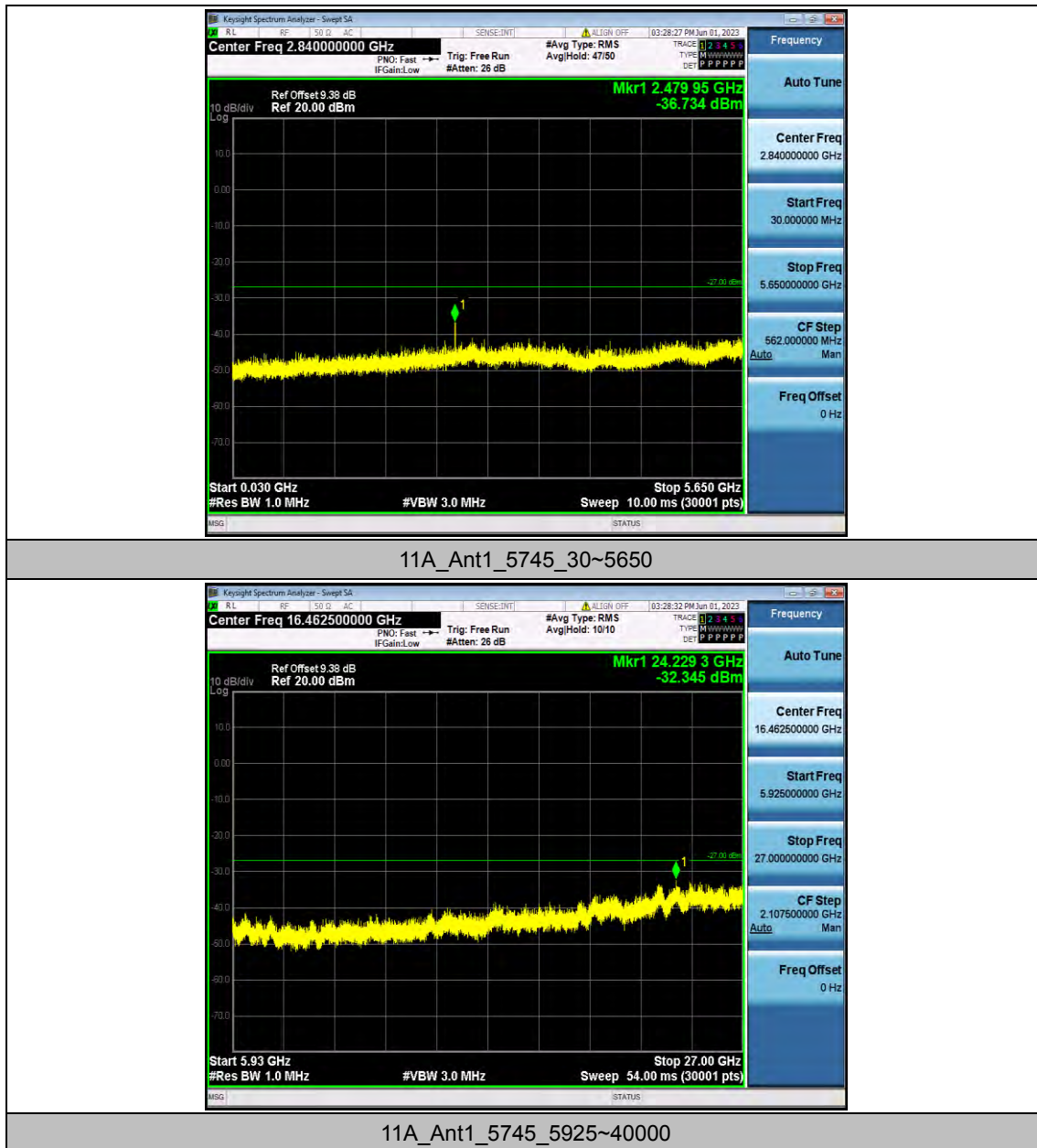
11AC80SISO_Ant1_High_5775

Appendix E.7: Conducted Spurious Emission

Test Result

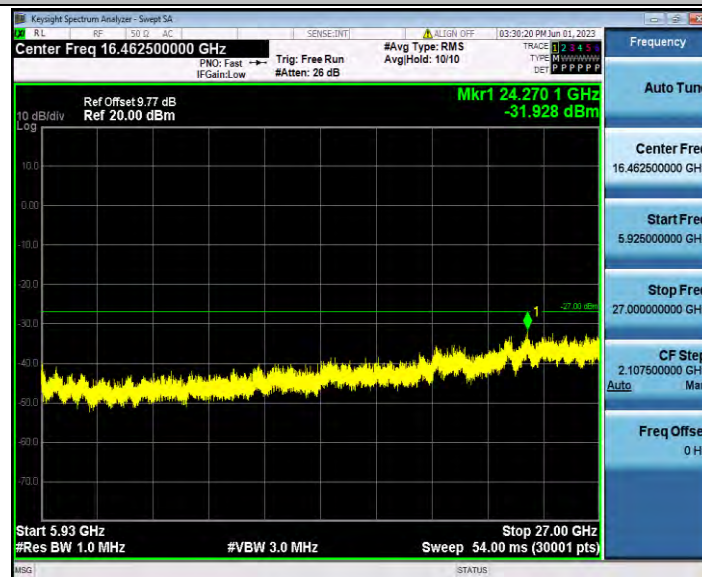
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	2479.95	-36.73	≤-27	PASS
			5925~40000	24229.34	-32.35	≤-27	PASS
		5785	30~5650	2480.13	-36.06	≤-27	PASS
			5925~40000	24270.09	-31.93	≤-27	PASS
		5825	30~5650	2480.13	-36	≤-27	PASS
			5925~40000	26001.05	-31.67	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	2480.32	-34.95	≤-27	PASS
			5925~40000	26885.49	-32.28	≤-27	PASS
		5785	30~5650	2480.13	-35.87	≤-27	PASS
			5925~40000	26064.27	-32.16	≤-27	PASS
		5825	30~5650	2479.95	-35.98	≤-27	PASS
			5925~40000	25556.36	-32.91	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	2480.32	-36.7	≤-27	PASS
			5925~40000	24850.35	-32.1	≤-27	PASS
		5795	30~5650	2479.95	-36.32	≤-27	PASS
			5925~40000	26943.1	-31.61	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	2480.32	-36.35	≤-27	PASS
			5925~40000	24251.82	-32.38	≤-27	PASS
		5785	30~5650	2480.32	-36.07	≤-27	PASS
			5925~40000	26969.79	-32.36	≤-27	PASS
		5825	30~5650	2480.13	-36.15	≤-27	PASS
			5925~40000	24920.6	-32.26	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	2480.32	-36.26	≤-27	PASS
			5925~40000	26870.74	-32.02	≤-27	PASS
		5795	30~5650	2480.13	-35.17	≤-27	PASS
			5925~40000	24291.86	-31.69	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5645.88	-35.16	≤-27	PASS
			5925~40000	23533.16	-32.85	≤-27	PASS

Test Graphs

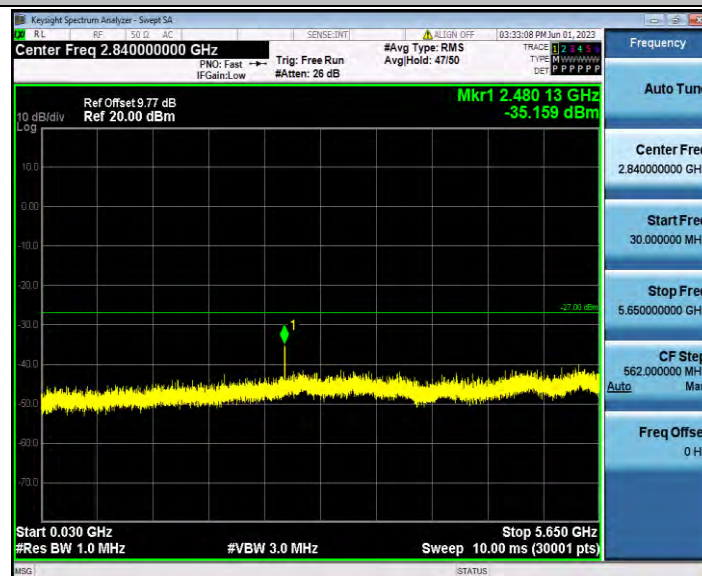




11A_Ant1_5785_30~5650



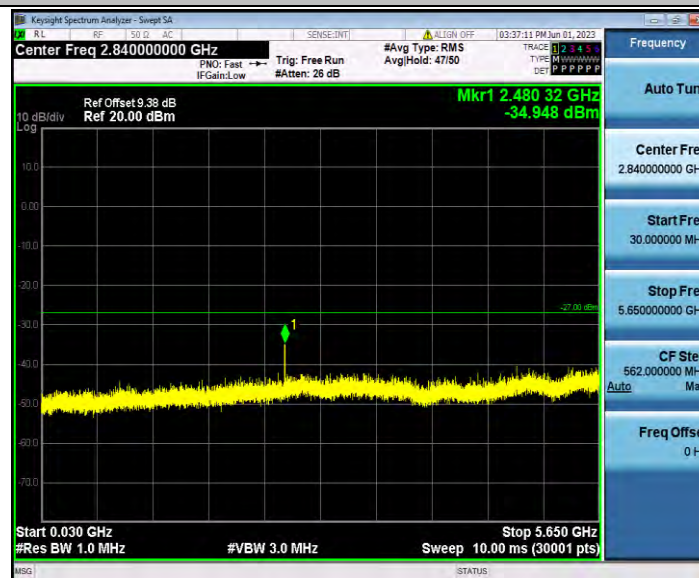
11A_Ant1_5785_5925~40000



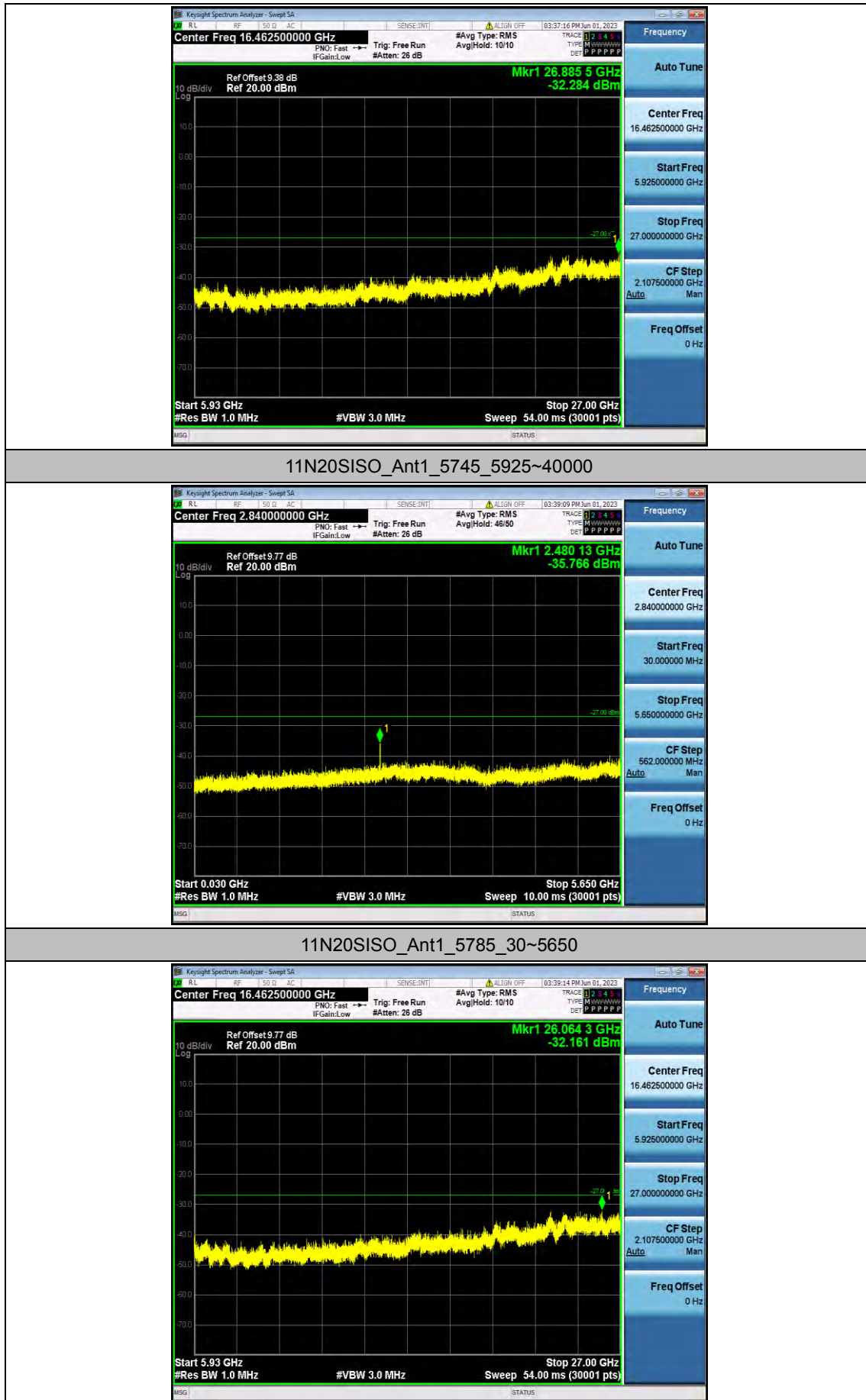
11A_Ant1_5825_30~5650



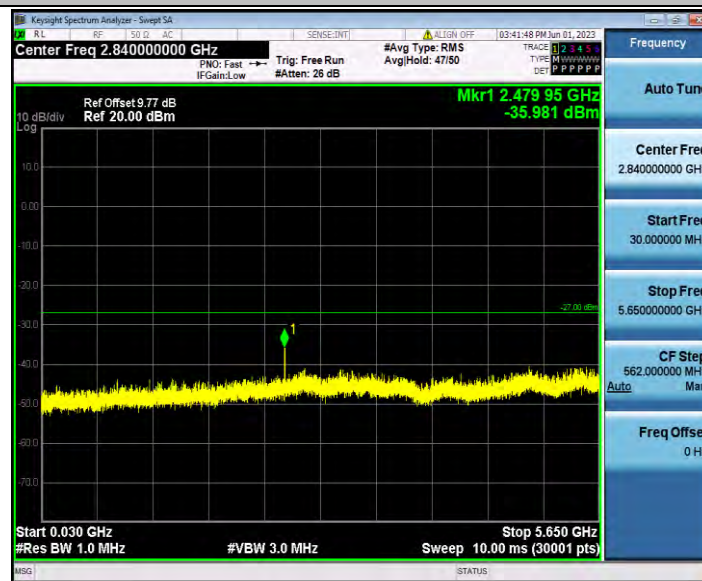
11A_Ant1_5825_5925~40000



11N20SISO_Ant1_5745_30~5650



11N20SISO_Ant1_5785_5925~40000



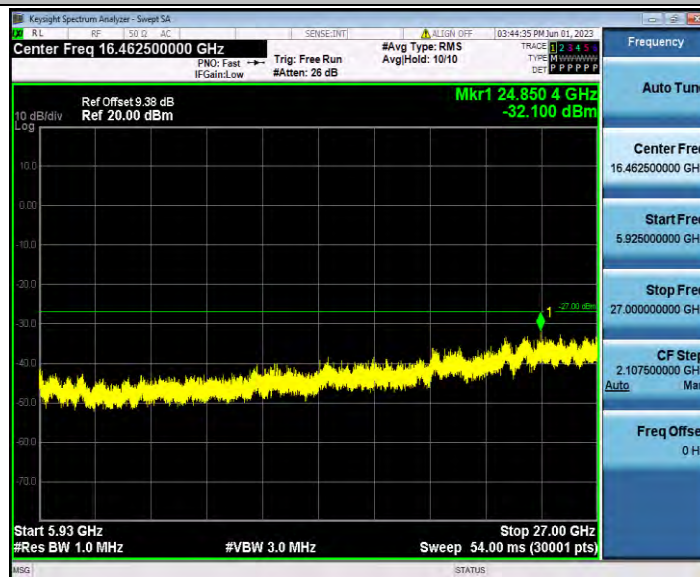
11N20SISO_Ant1_5825_30~5650



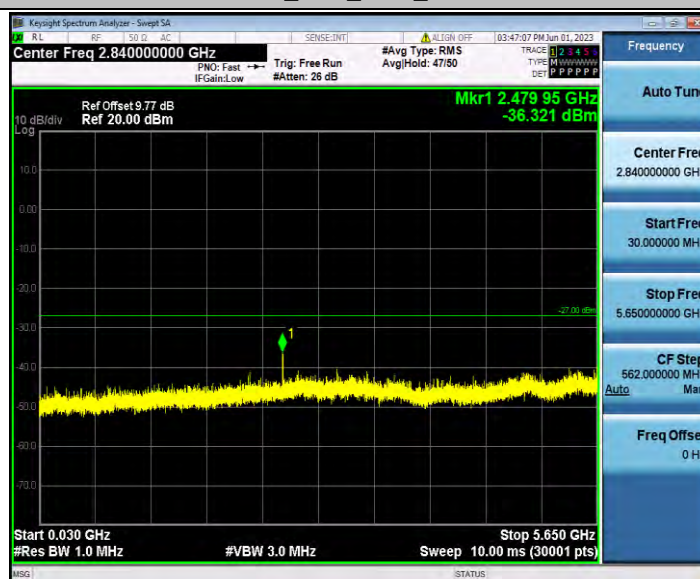
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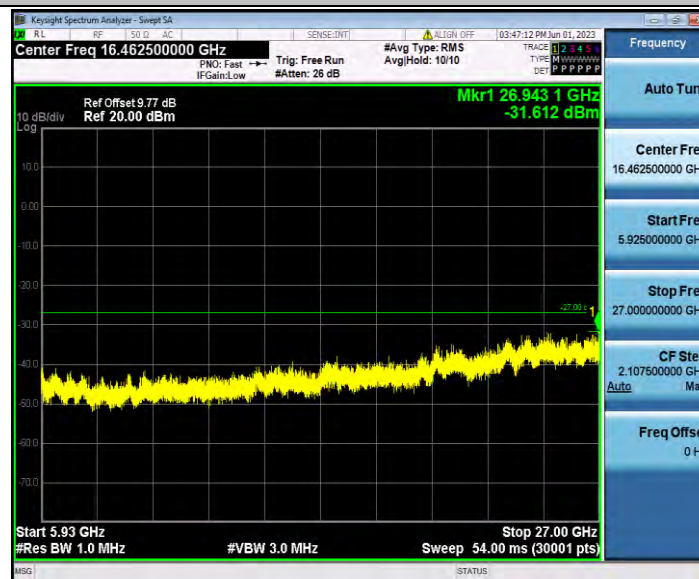
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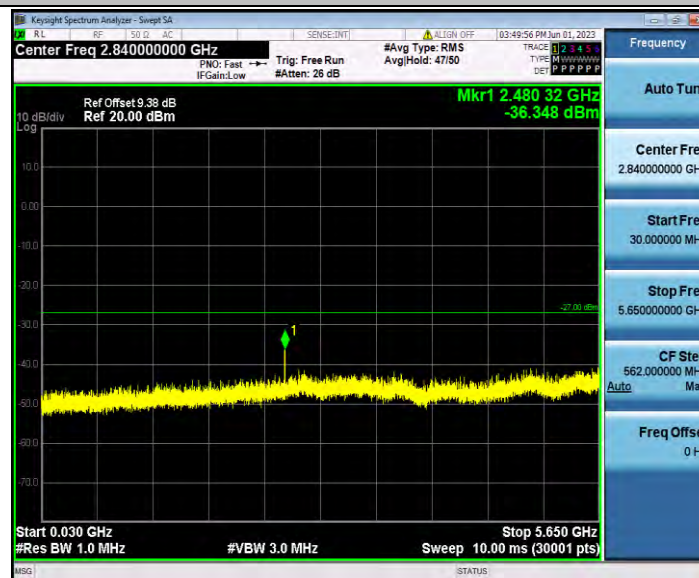
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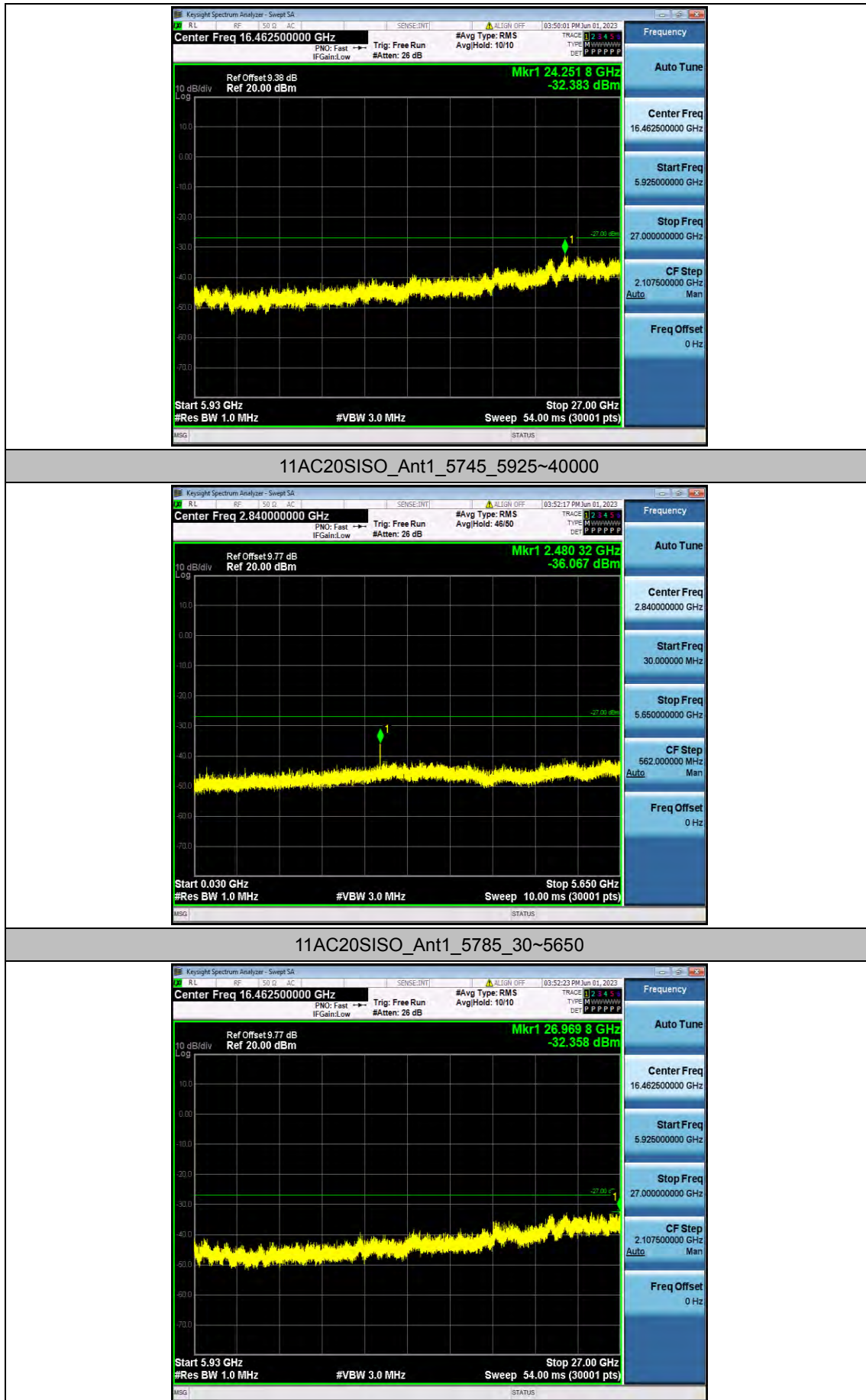
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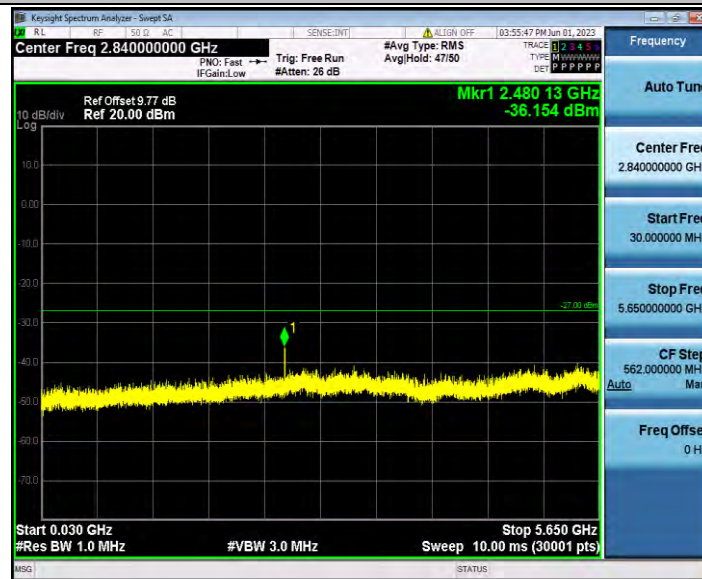
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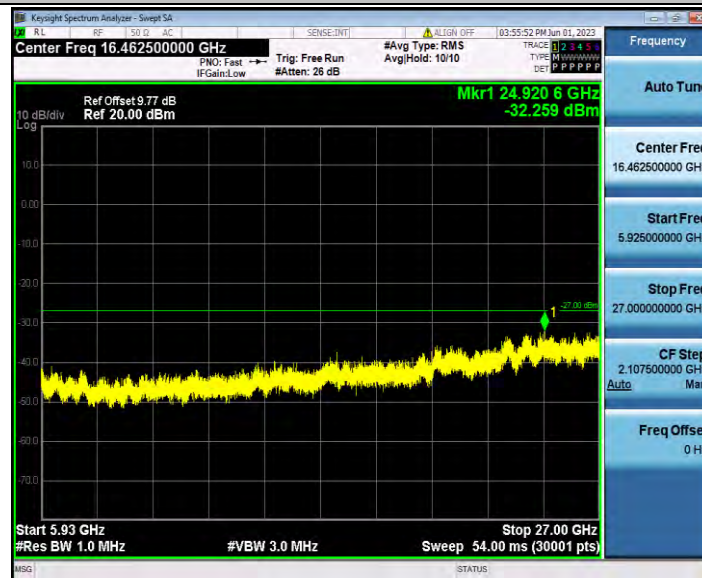
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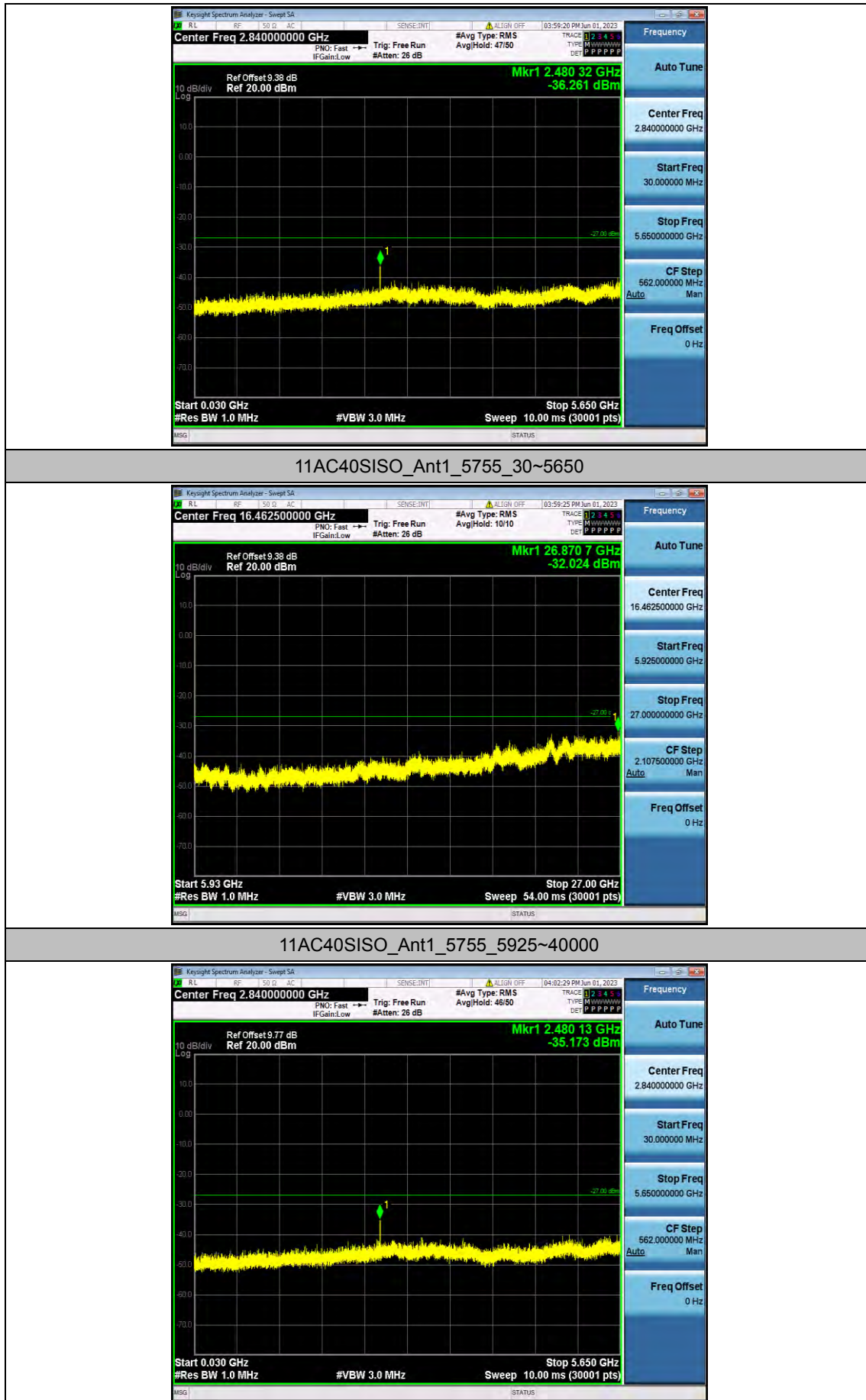
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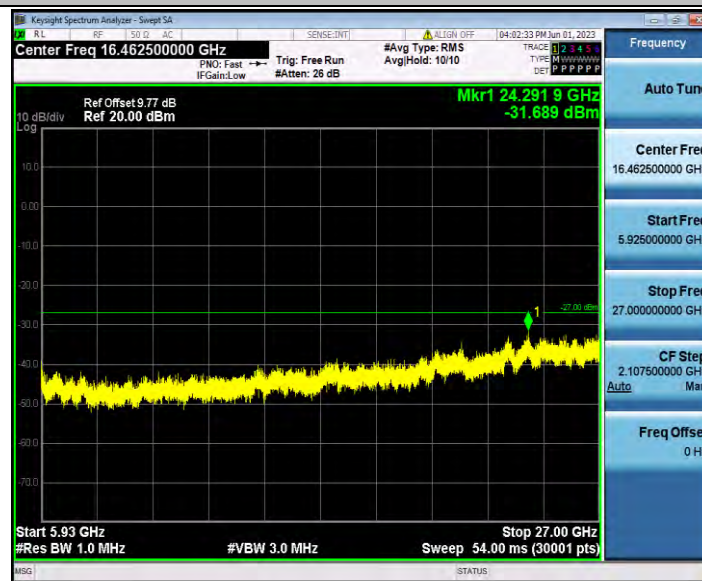
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11AC20SISO_Ant1_5825_5925~40000



11AC40SISO_Ant1_5795_30~5650



11AC40SISO_Ant1_5795_5925~40000



11AC80SISO_Ant1_5775_30~5650

