

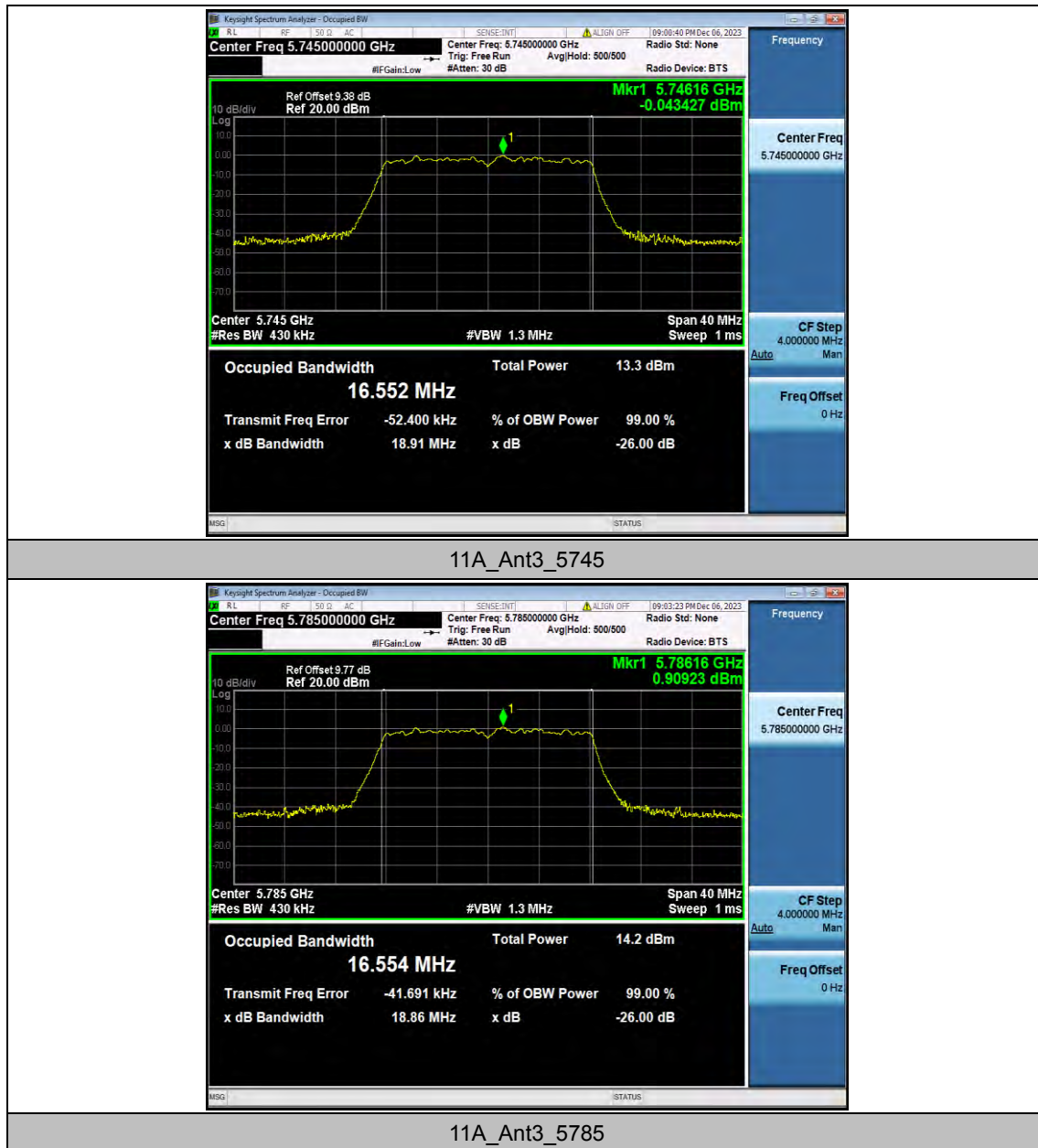
Case No. : <u>GTS20231012003-1-5</u>	
Ambient Condition: <u>23</u> °C, <u>48</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.12.6</u>	Test Engineer: <u>Evan ouyang</u>

Appendix E.1: Occupied channel bandwidth

Test Result

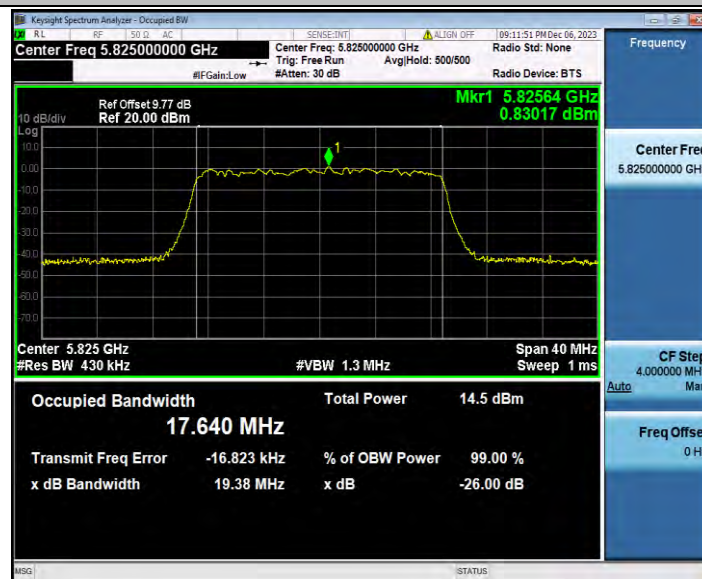
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant3	5745	16.552	5736.672	5753.224	---	---
		5785	16.554	5776.681	5793.235	---	---
		5825	16.552	5816.684	5833.236	---	---
11N20SISO	Ant3	5745	17.641	5736.150	5753.791	---	---
		5785	17.638	5776.161	5793.799	---	---
		5825	17.640	5816.163	5833.803	---	---
11N40SISO	Ant3	5755	36.289	5736.806	5773.095	---	---
		5795	36.244	5776.819	5813.063	---	---
11AC20SISO	Ant3	5745	17.718	5736.097	5753.815	---	---
		5785	17.715	5776.101	5793.816	---	---
		5825	17.716	5816.103	5833.819	---	---
11AC40SISO	Ant3	5755	36.279	5736.823	5773.102	---	---
		5795	36.251	5776.839	5813.090	---	---
11AC80SISO	Ant3	5775	77.129	5736.394	5813.523	---	---

Test Graphs

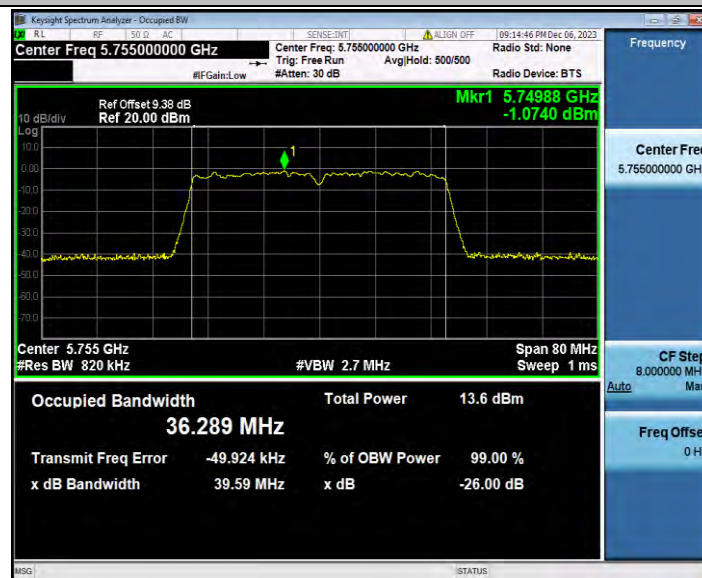




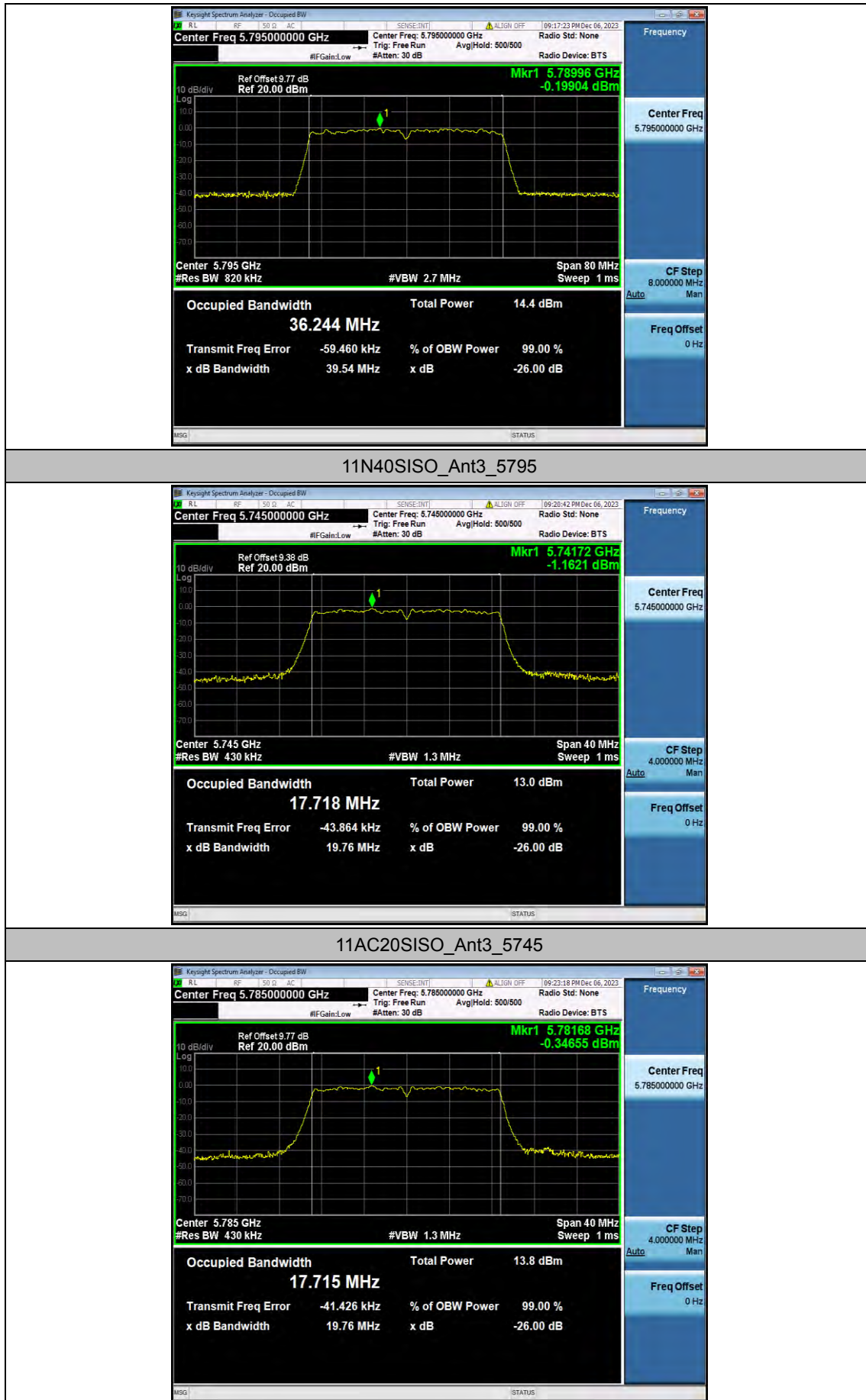
11N20SISO_Ant3_5785



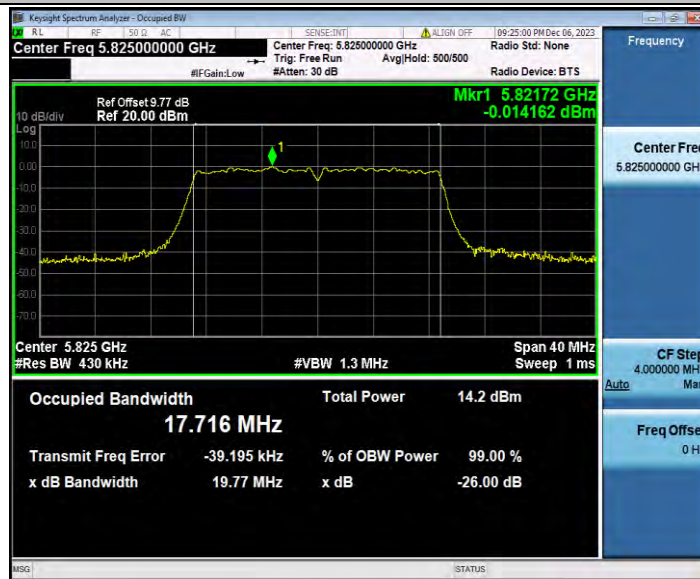
11N20SISO_Ant3_5825



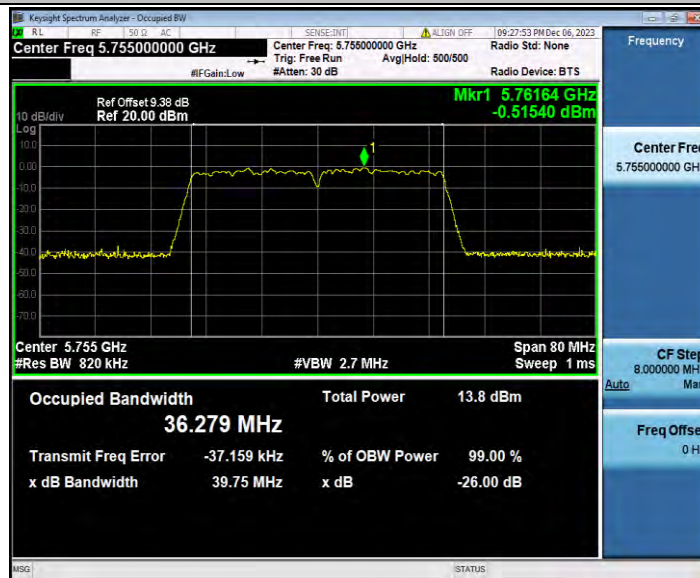
11N40SISO_Ant3_5755



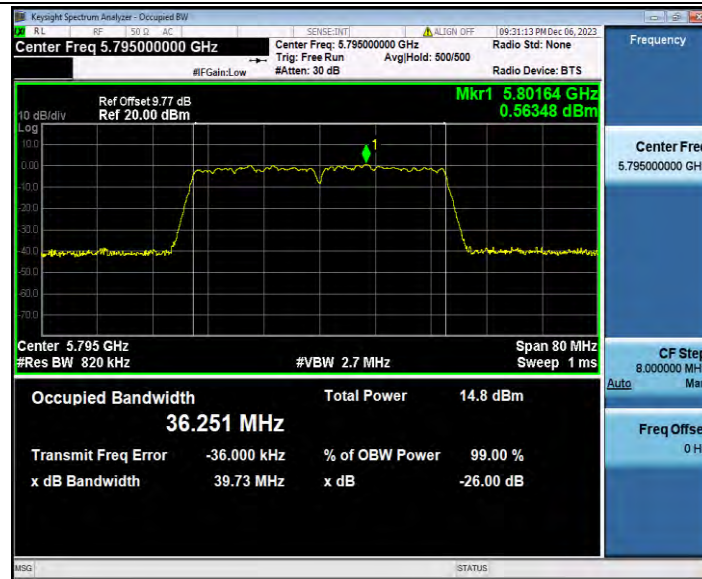
11AC20SISO_Ant3_5785



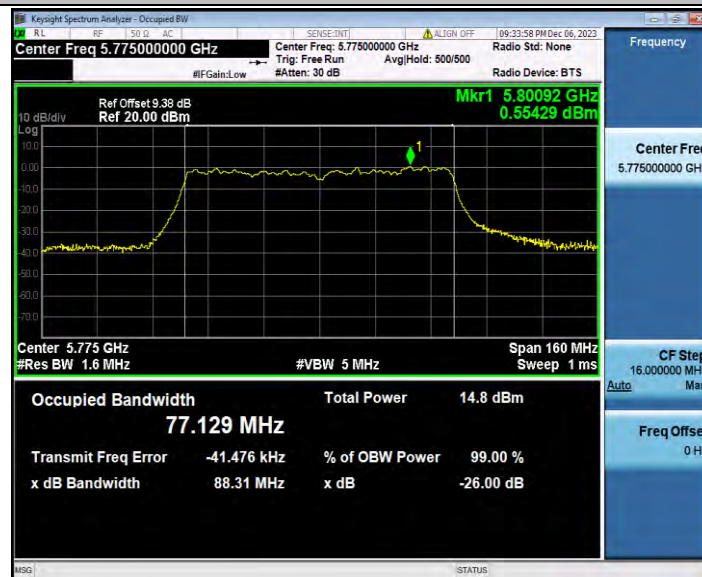
11AC20SISO_Ant3_5825



11AC40SISO_Ant3_5755



11AC40SISO_Ant3_5795



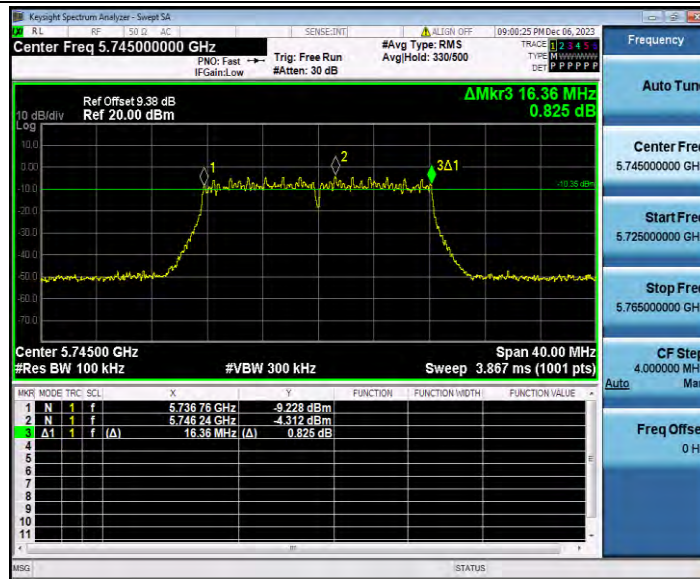
11AC80SISO_Ant3_5775

Appendix E.2: Min emission bandwidth

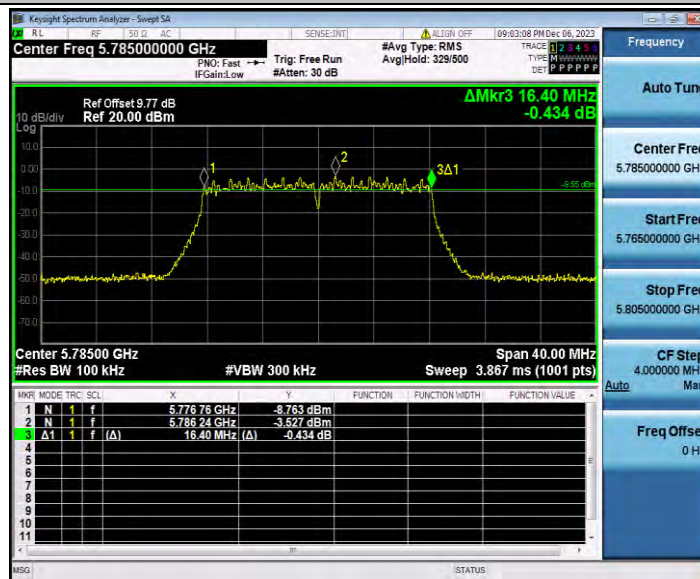
Test Result B4

Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant3	5745	16.360	5736.760	5753.120	0.5	PASS
		5785	16.400	5776.760	5793.160	0.5	PASS
		5825	16.400	5816.760	5833.160	0.5	PASS
11N20SISO	Ant3	5745	17.600	5736.160	5753.760	0.5	PASS
		5785	17.640	5776.160	5793.800	0.5	PASS
		5825	17.640	5816.160	5833.800	0.5	PASS
11N40SISO	Ant3	5755	36.000	5736.840	5772.840	0.5	PASS
		5795	36.000	5776.840	5812.840	0.5	PASS
11AC20SISO	Ant3	5745	17.520	5736.160	5753.680	0.5	PASS
		5785	17.520	5776.160	5793.680	0.5	PASS
		5825	17.520	5816.200	5833.720	0.5	PASS
11AC40SISO	Ant3	5755	35.840	5736.760	5772.600	0.5	PASS
		5795	35.840	5776.760	5812.600	0.5	PASS
11AC80SISO	Ant3	5775	75.840	5737.240	5813.080	0.5	PASS

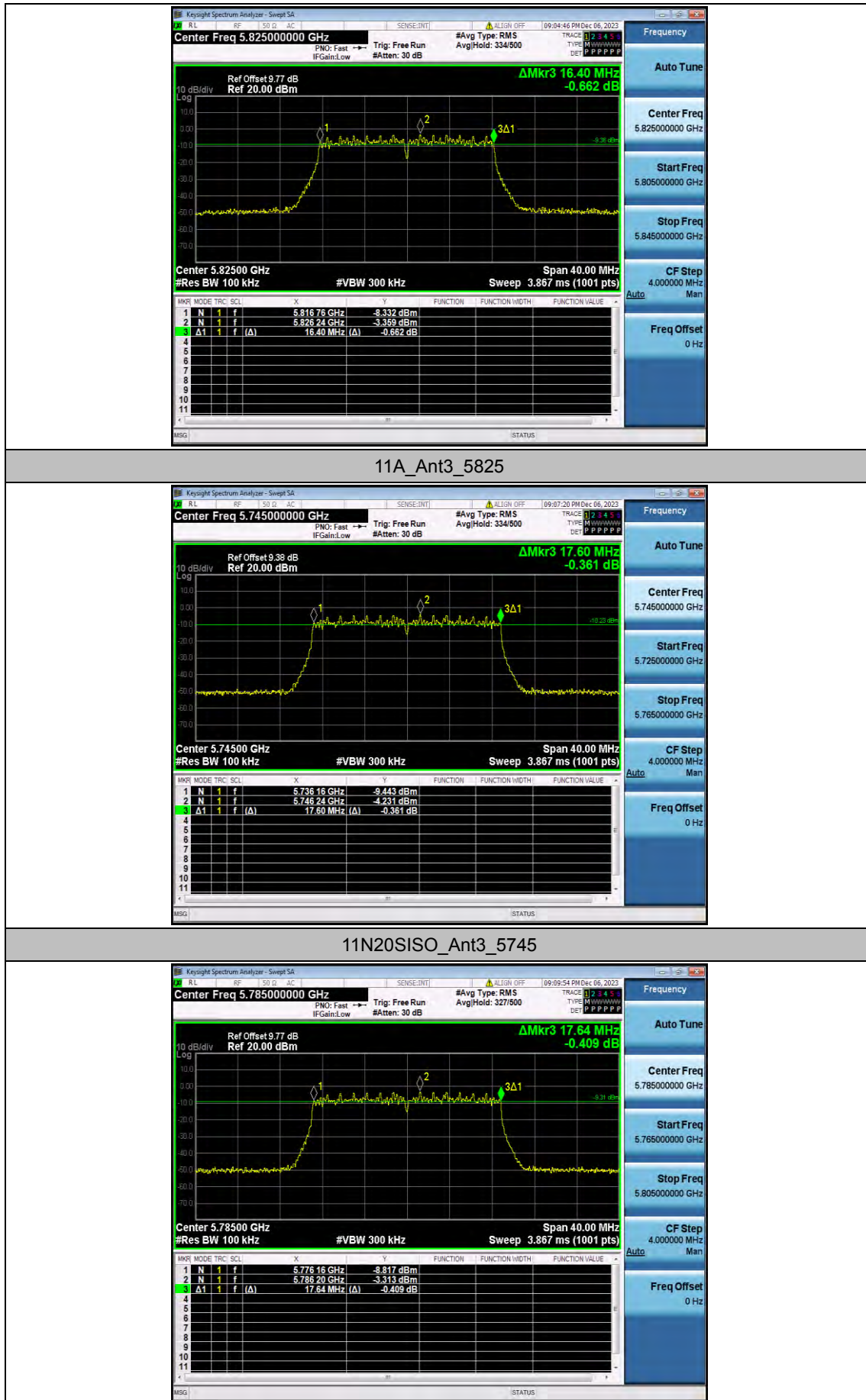
Test Graphs B4

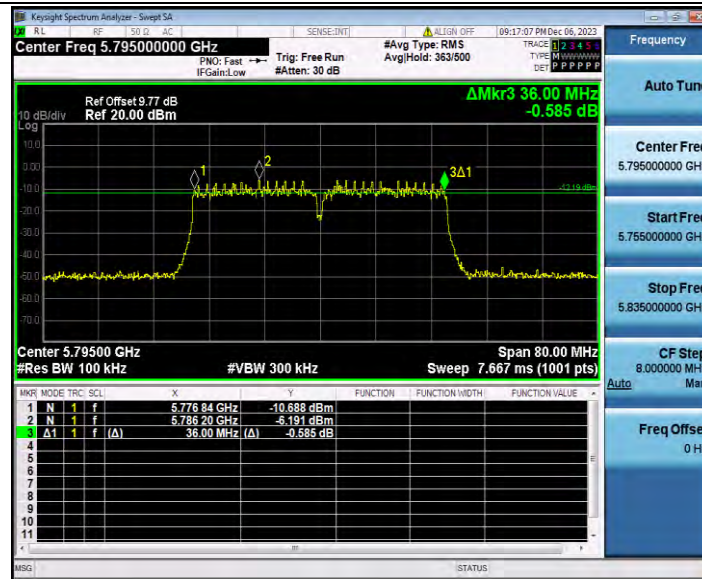


11A_Ant3_5745

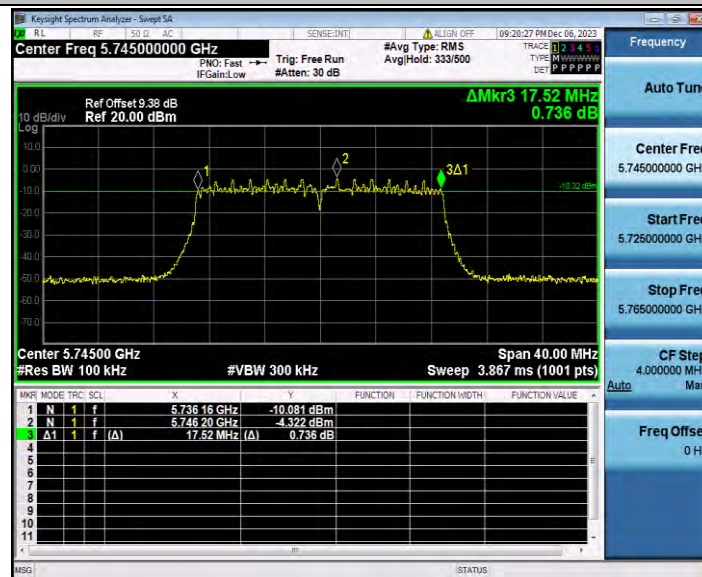


11A_Ant3_5785

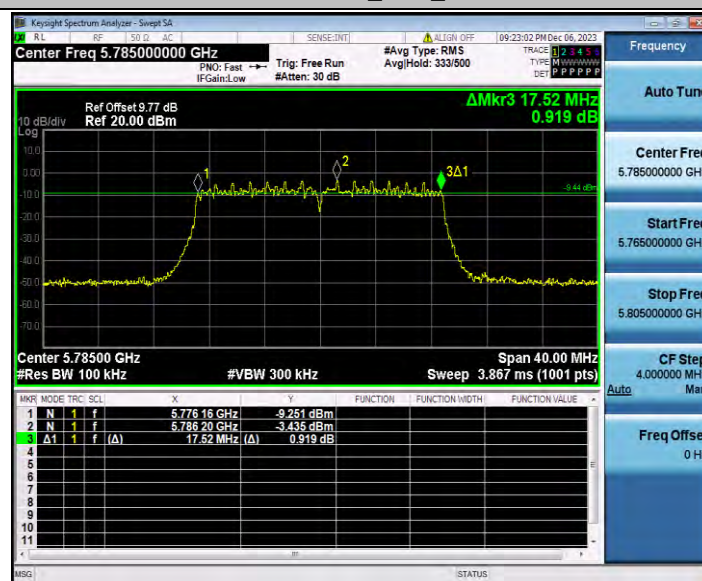




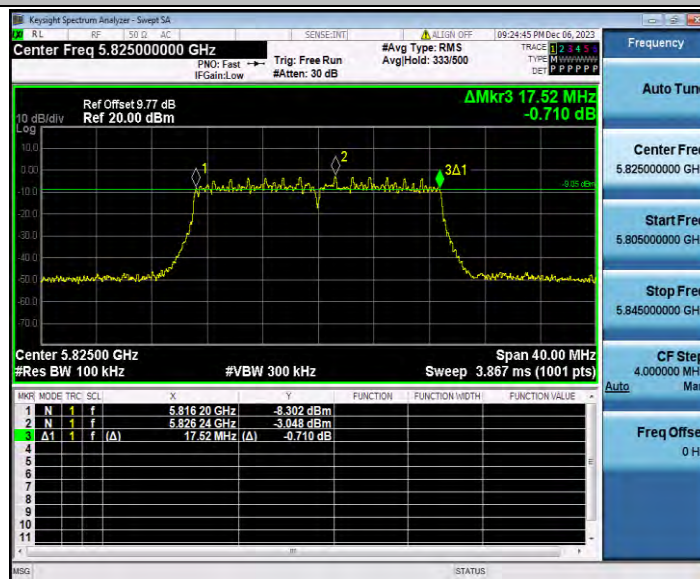
11N40SISO_Ant3_5795



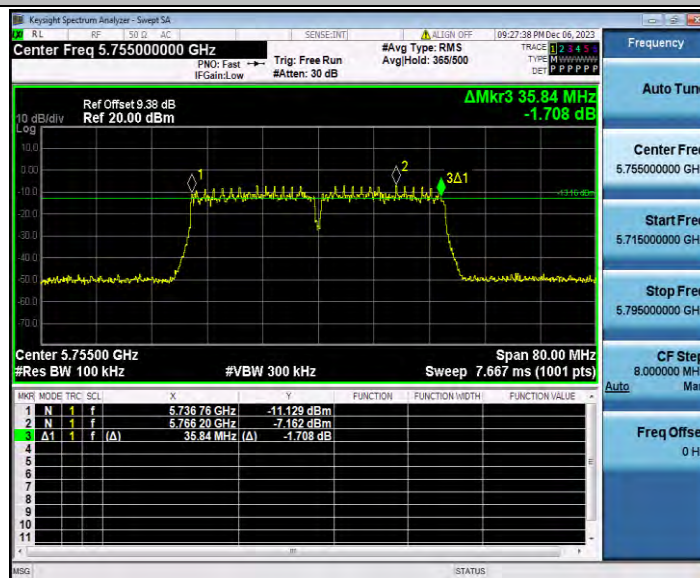
11AC20SISO_Ant3_5745



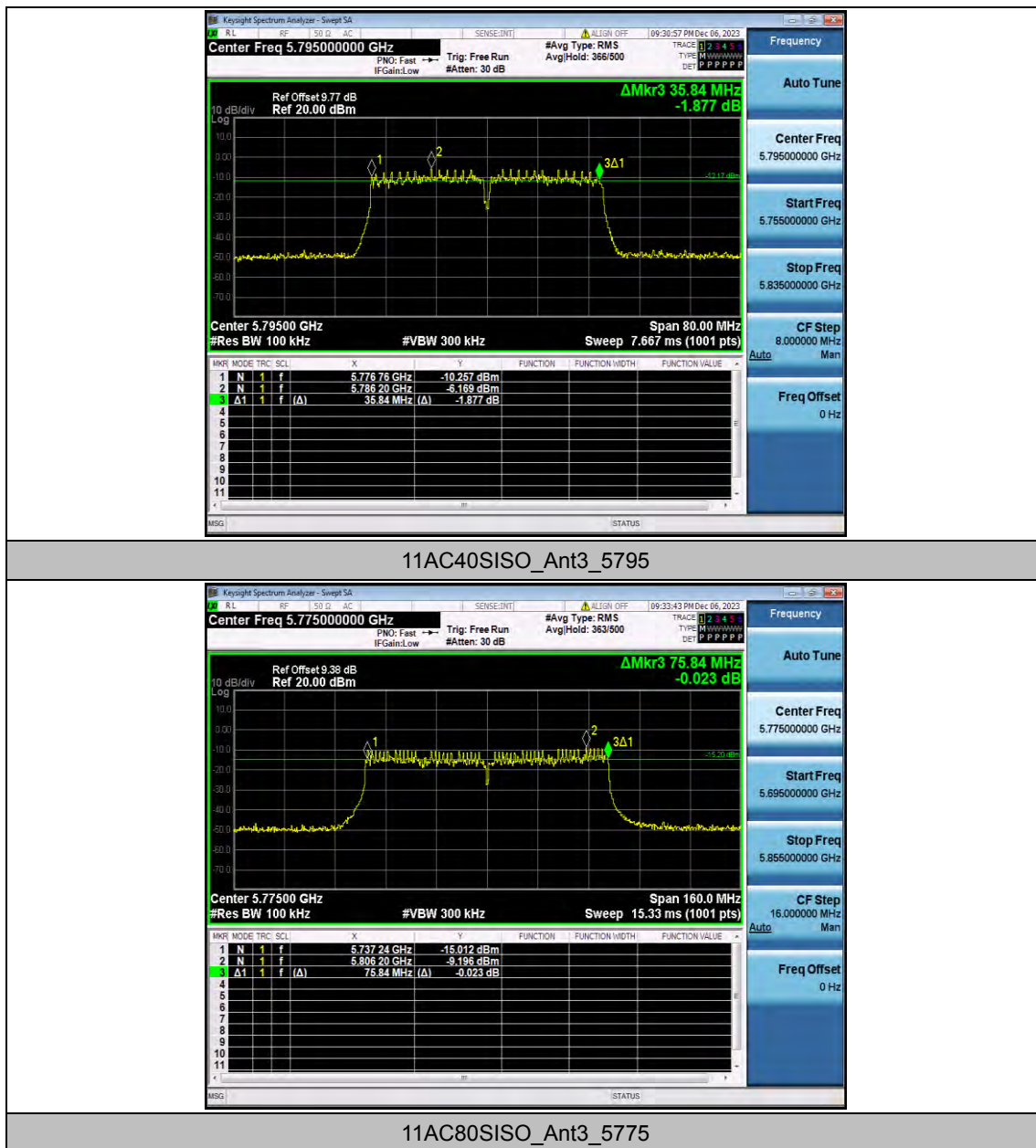
11AC20SISO_Ant3_5785



11AC20SISO_Ant3_5825



11AC40SISO_Ant3_5755

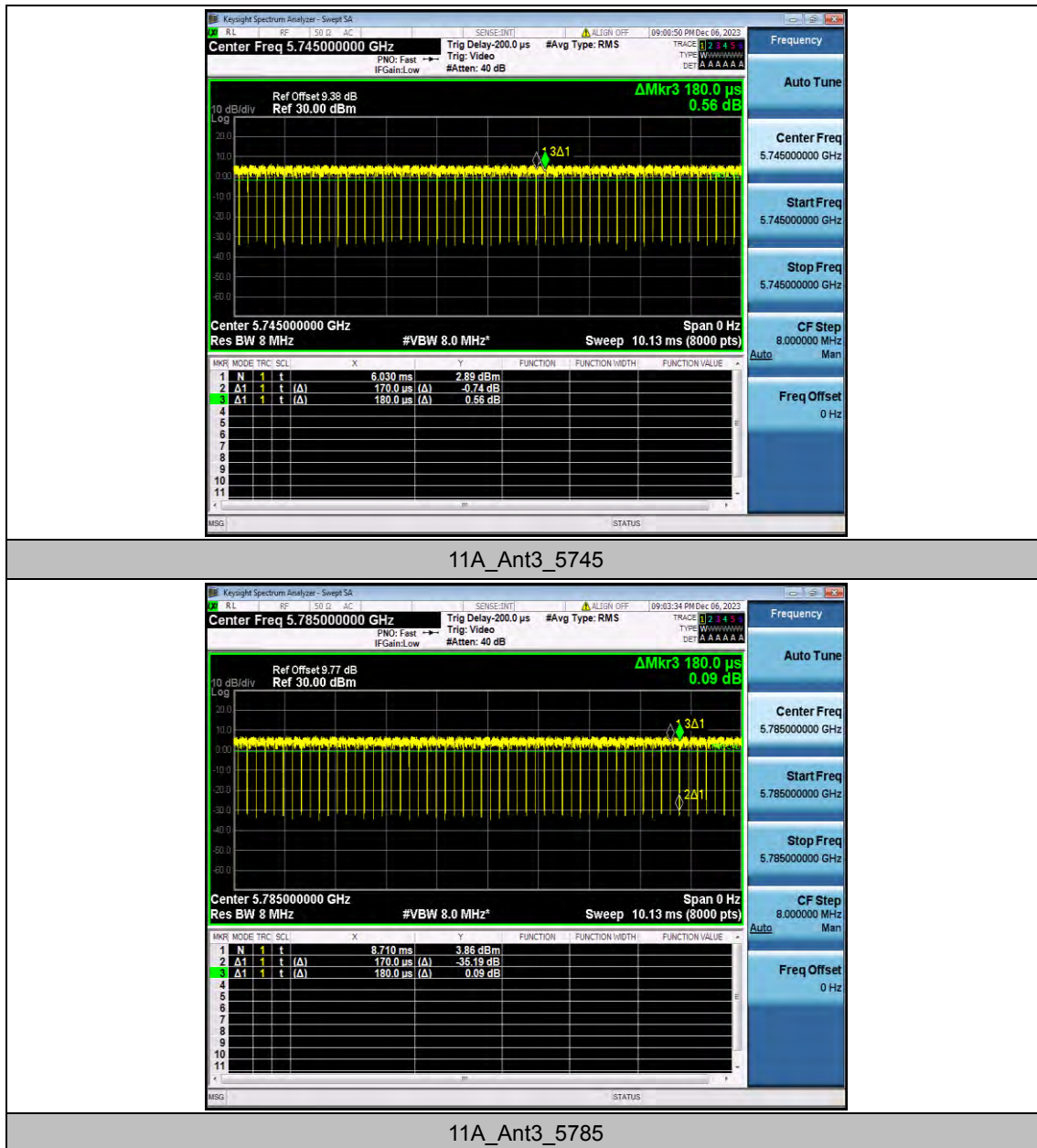


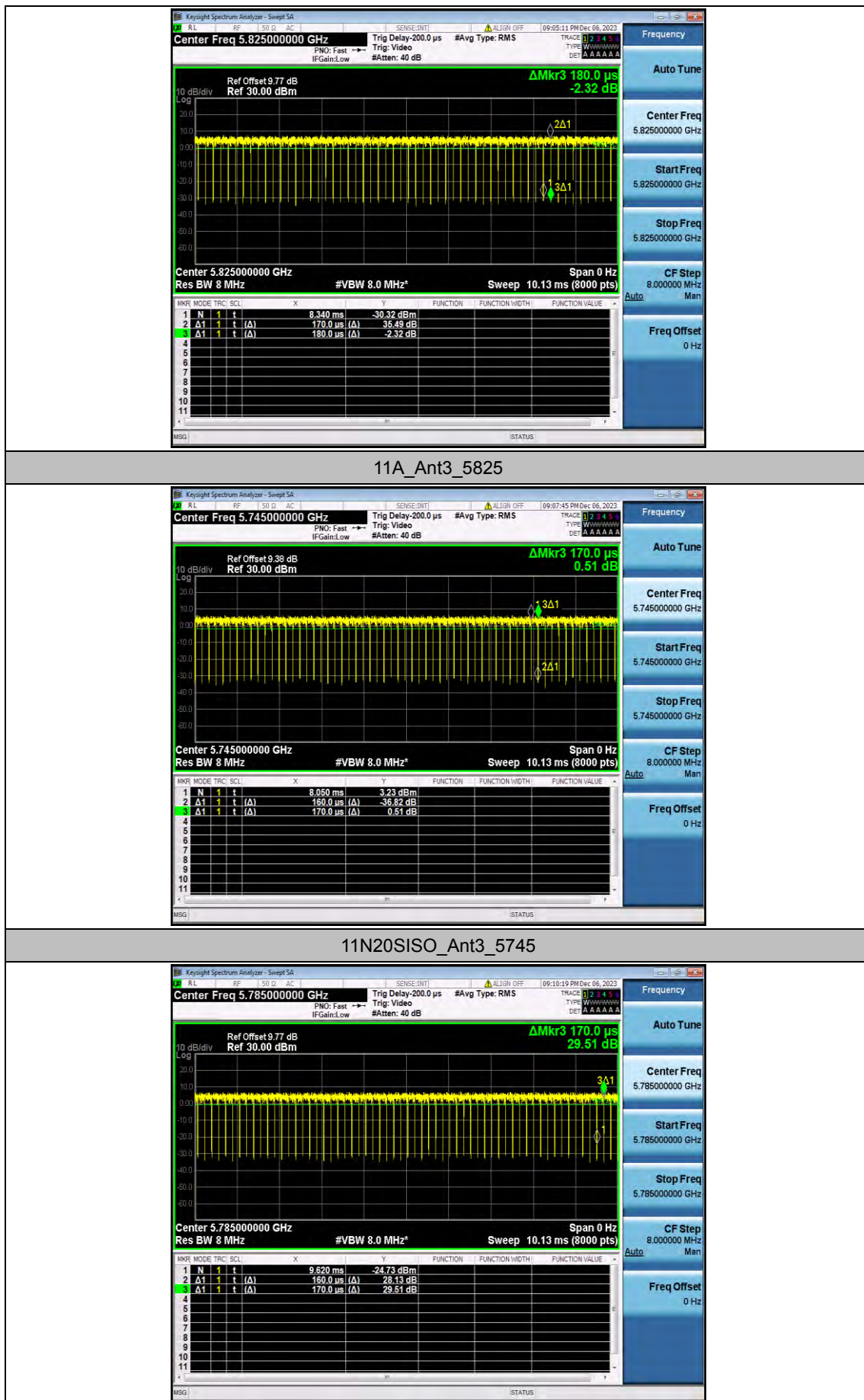
Appendix E.3: Duty Cycle

Test Result

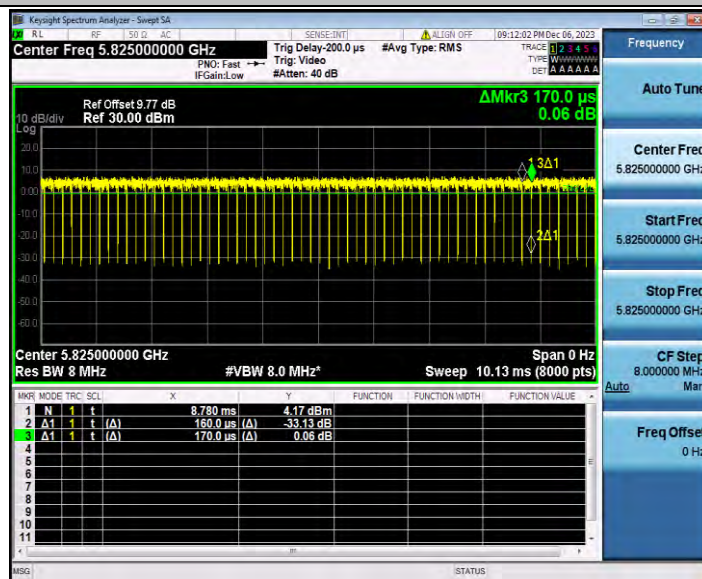
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant3	5745	0.17	0.18	94.44
		5785	0.17	0.18	94.44
		5825	0.17	0.18	94.44
11N20SISO	Ant3	5745	0.16	0.17	94.12
		5785	0.16	0.17	94.12
		5825	0.16	0.17	94.12
11N40SISO	Ant3	5755	0.10	0.10	100.00
		5795	0.10	0.11	90.91
11AC20SISO	Ant3	5745	0.14	0.15	93.33
		5785	0.14	0.15	93.33
		5825	0.13	0.14	92.86
11AC40SISO	Ant3	5755	0.09	0.10	90.00
		5795	0.09	0.10	90.00
11AC80SISO	Ant3	5775	0.06	0.07	85.71

Test Graphs

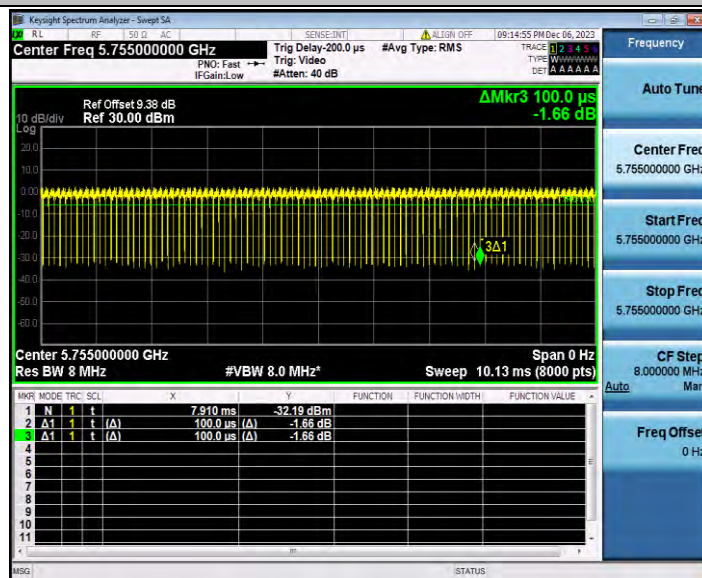




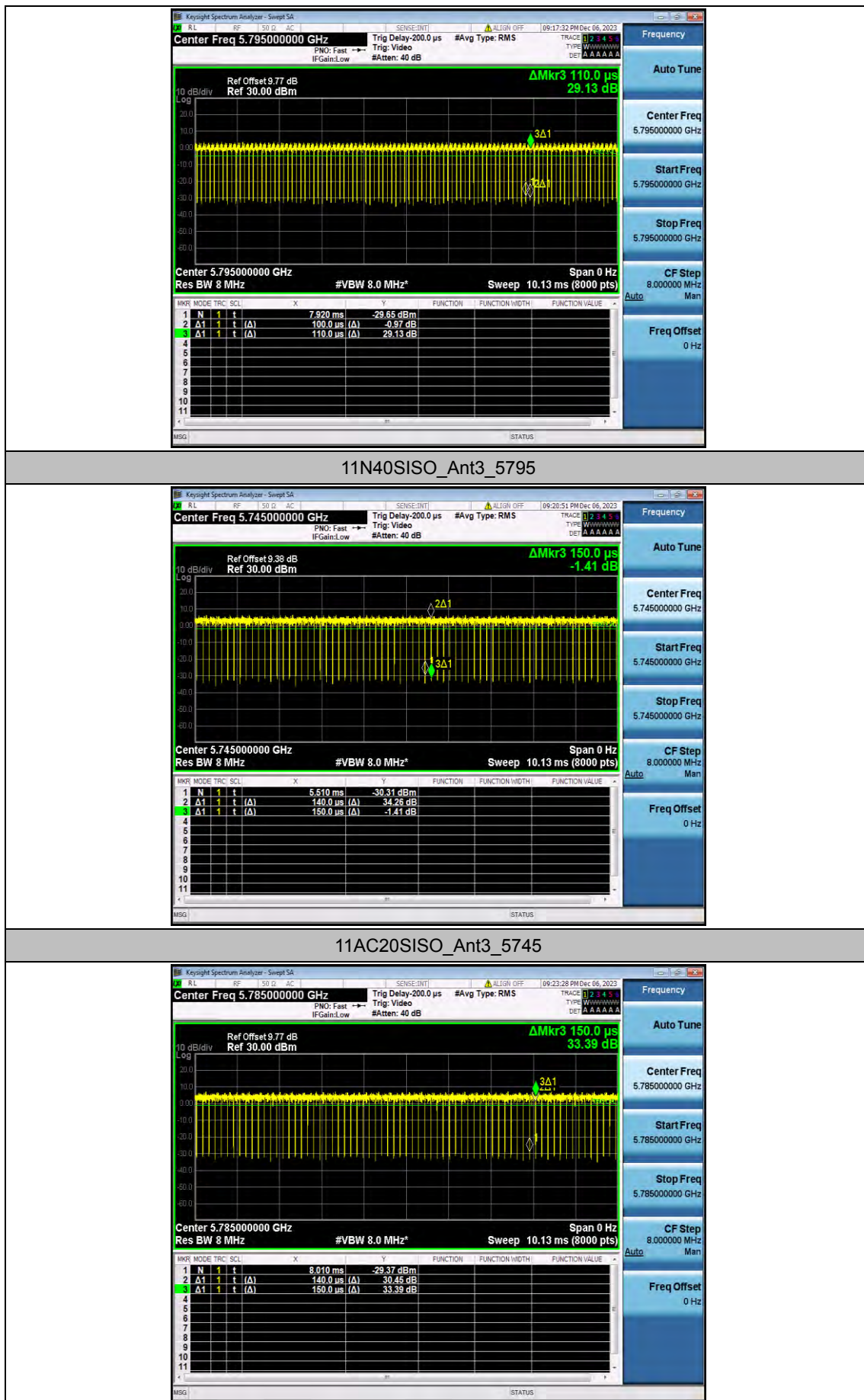
11N20SISO_Ant3_5785



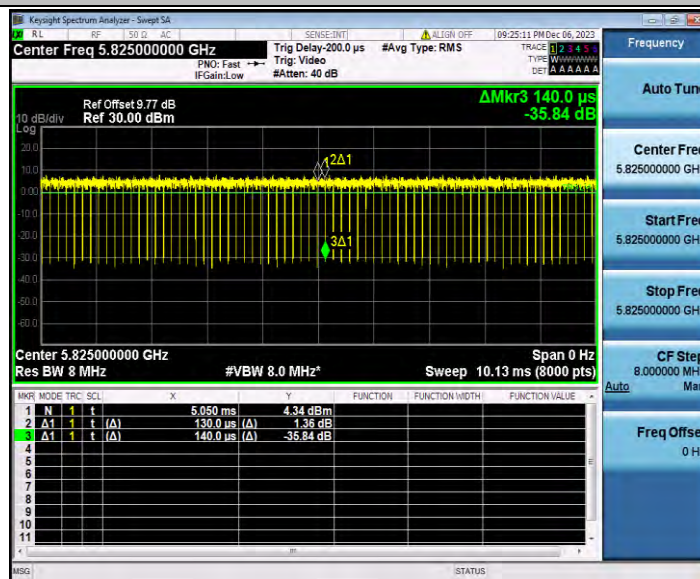
11N20SISO_Ant3_5825



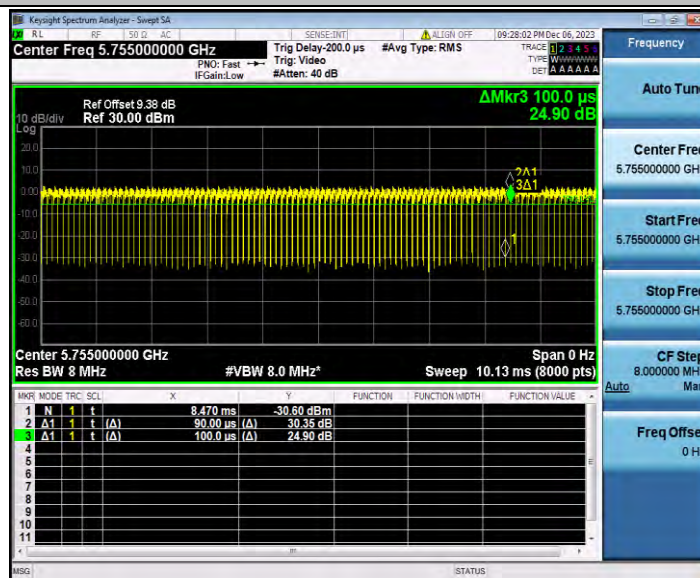
11N40SISO_Ant3_5755



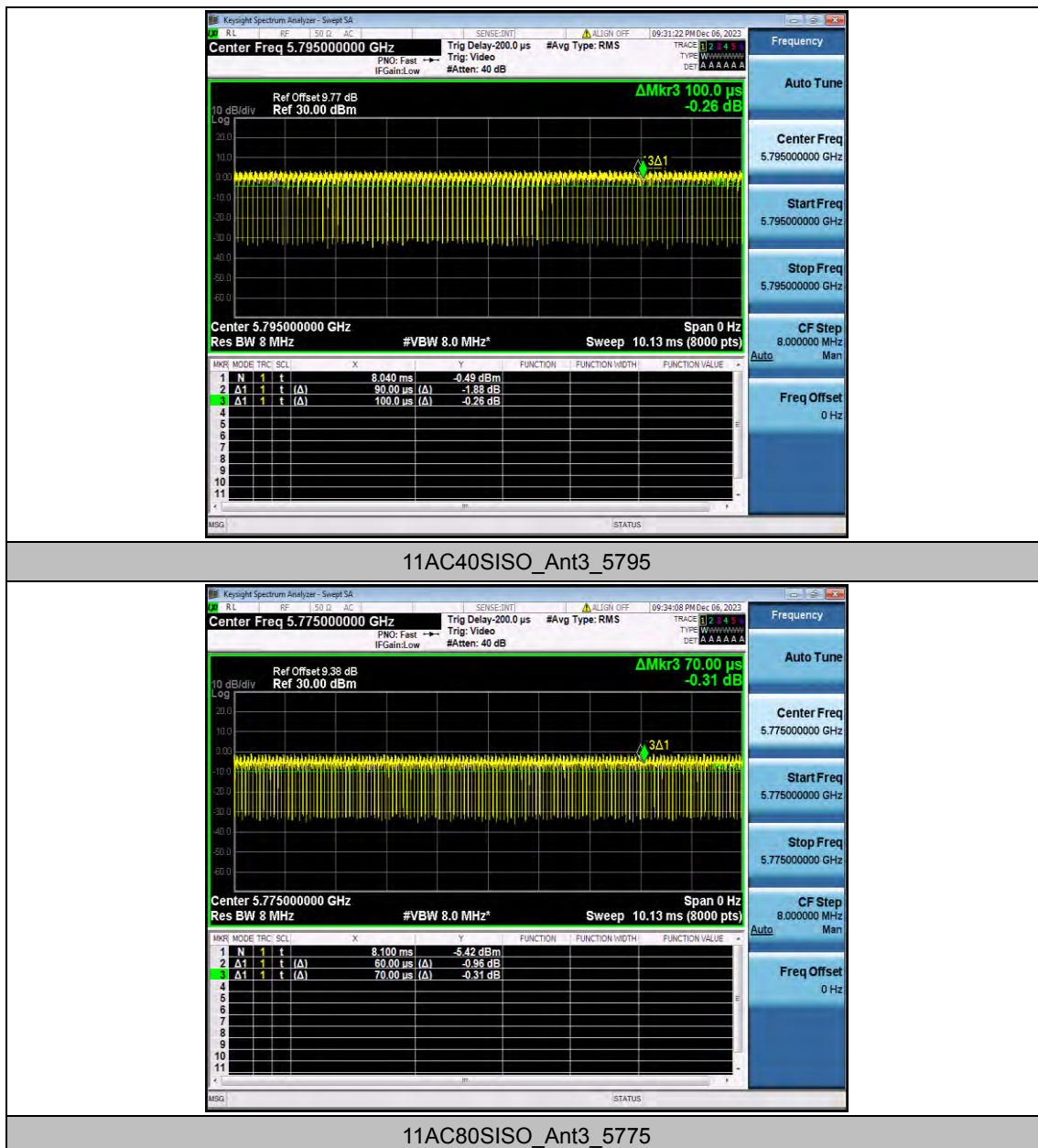
11AC20SISO_Ant3_5785



11AC20SISO_Ant3_5825



11AC40SISO_Ant3_5755



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	Ant3	5745	6.26	94.44	0.25	6.51	≤30.00	PASS
		5785	7.18	94.44	0.25	7.43	≤30.00	PASS
		5825	7.56	94.44	0.25	7.81	≤30.00	PASS
11N20SISO	Ant3	5745	6.48	94.12	0.26	6.74	≤30.00	PASS
		5785	7.39	94.12	0.26	7.65	≤30.00	PASS
		5825	7.48	94.12	0.26	7.74	≤30.00	PASS
11N40SISO	Ant3	5755	6.32	100.00	0.00	6.32	≤30.00	PASS
		5795	7.13	90.91	0.41	7.54	≤30.00	PASS
11AC20SISO	Ant3	5745	6.41	93.33	0.30	6.71	≤30.00	PASS
		5785	7.21	93.33	0.30	7.51	≤30.00	PASS
		5825	7.68	92.86	0.32	8.00	≤30.00	PASS
11AC40SISO	Ant3	5755	6.32	90.00	0.46	6.78	≤30.00	PASS
		5795	7.30	90.00	0.46	7.76	≤30.00	PASS
11AC80SISO	Ant3	5775	6.62	85.71	0.67	7.29	≤30.00	PASS

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

Appendix E.5: Maximum power spectral density

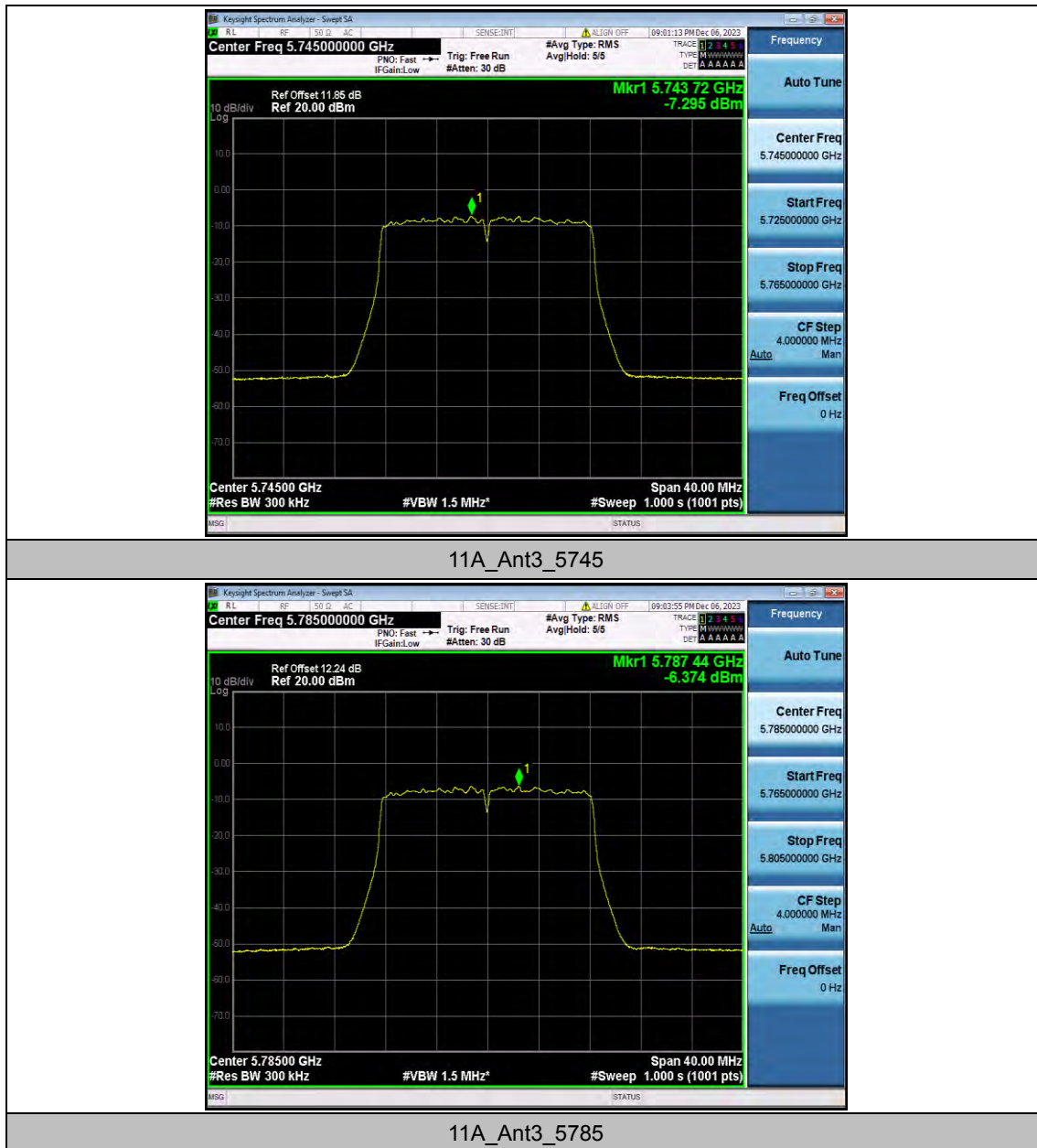
Test Result

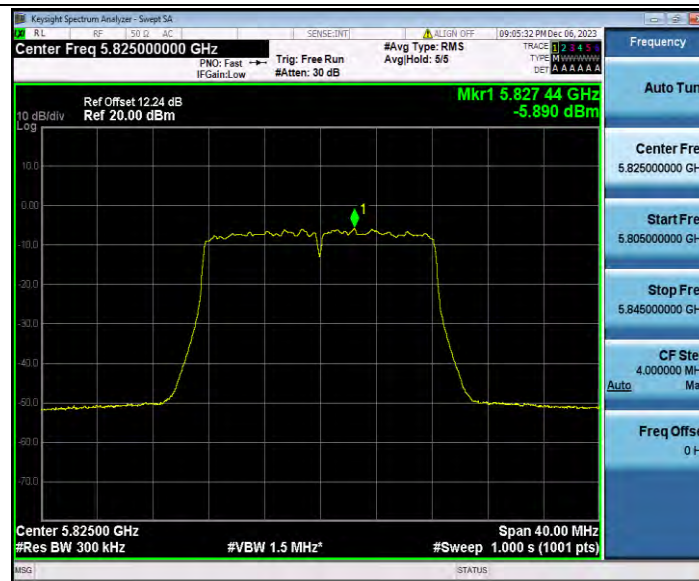
Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant3	5745	-7.3	≤30.00	PASS
		5785	-6.37	≤30.00	PASS
		5825	-5.89	≤30.00	PASS
11N20SISO	Ant3	5745	-6.69	≤30.00	PASS
		5785	-5.91	≤30.00	PASS
		5825	-5.74	≤30.00	PASS
11N40SISO	Ant3	5755	-9.94	≤30.00	PASS
		5795	-8.57	≤30.00	PASS
11AC20SISO	Ant3	5745	-7.05	≤30.00	PASS
		5785	-6.34	≤30.00	PASS
		5825	-5.85	≤30.00	PASS
11AC40SISO	Ant3	5755	-8.95	≤30.00	PASS
		5795	-7.87	≤30.00	PASS
11AC80SISO	Ant3	5775	-10.94	≤30.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

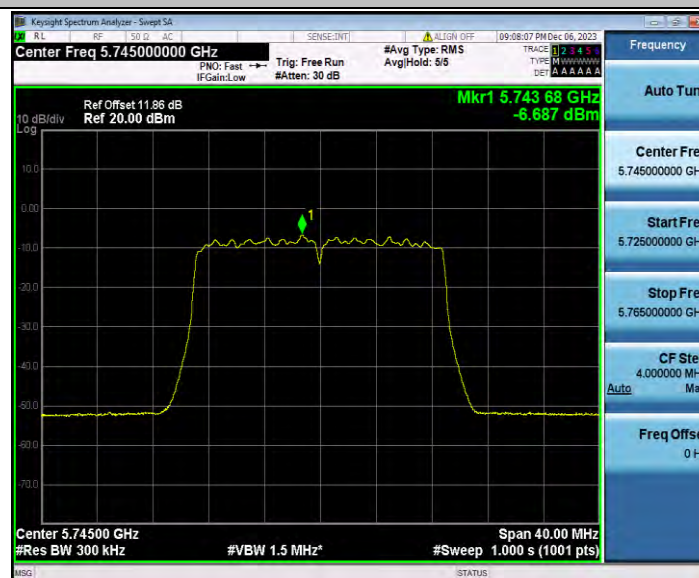
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

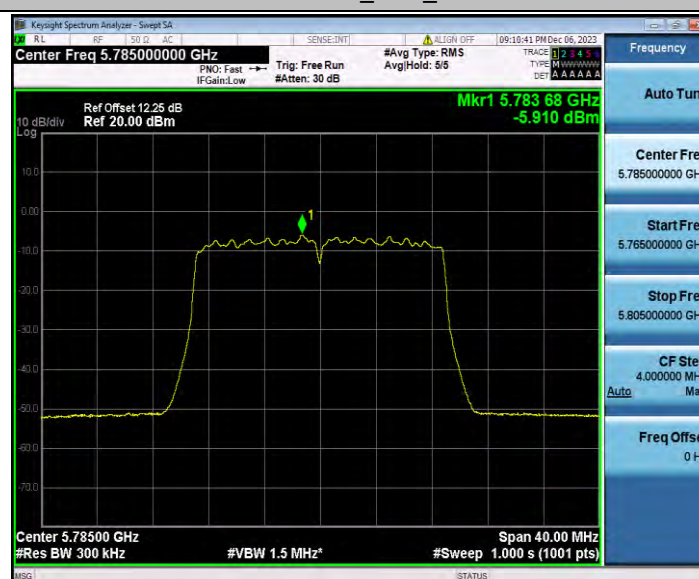




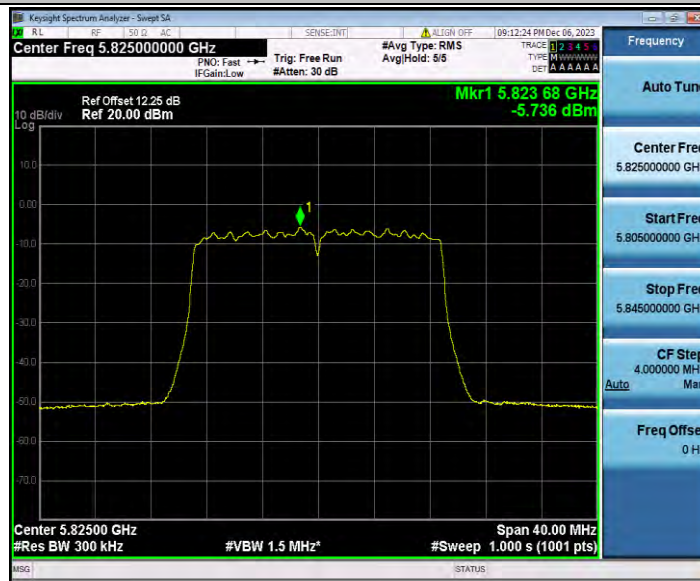
11A_Ant3_5825



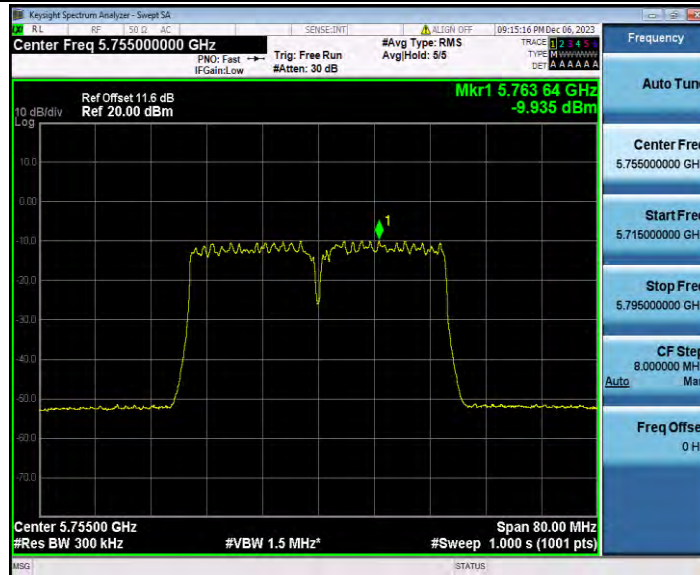
11N20SISO_Ant3_5745



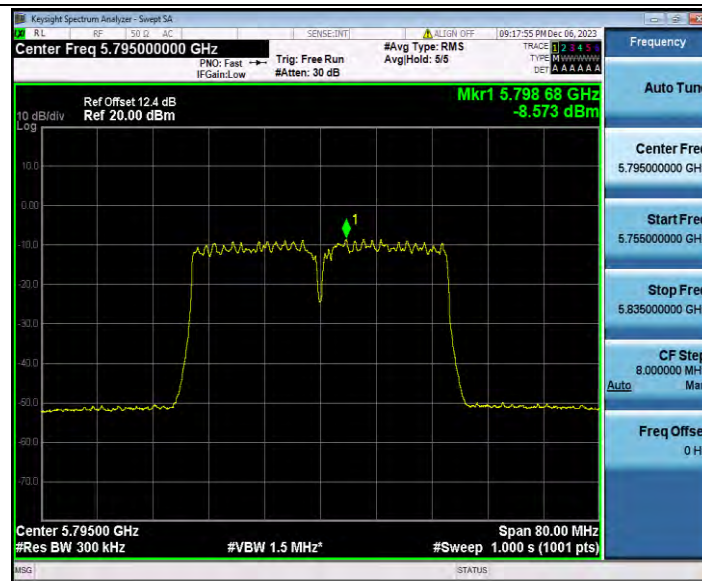
11N20SISO_Ant3_5785



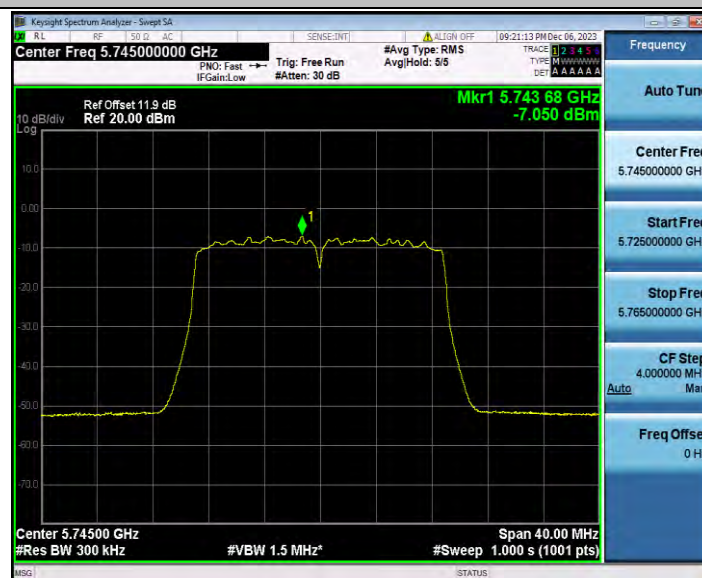
11N20SISO_Ant3_5825



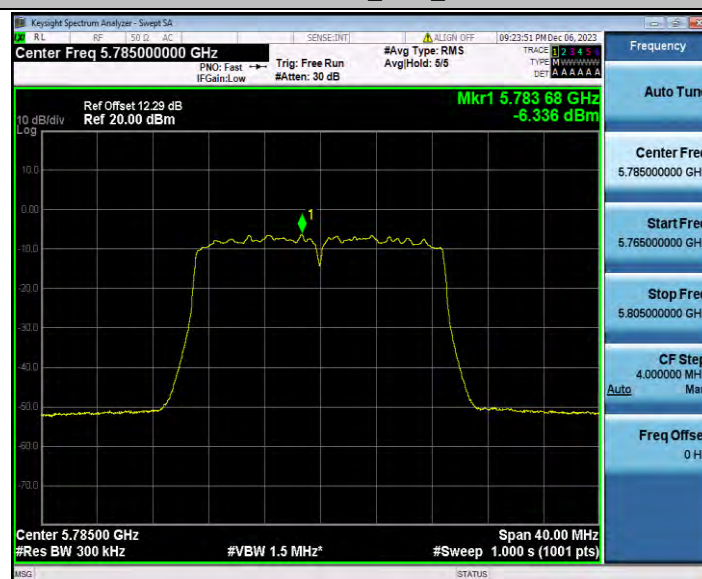
11N40SISO_Ant3_5755



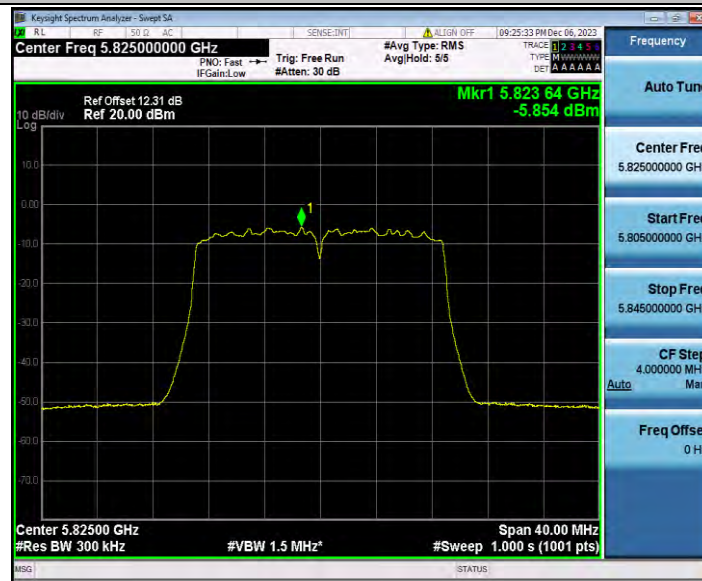
11N40SISO_Ant3_5795



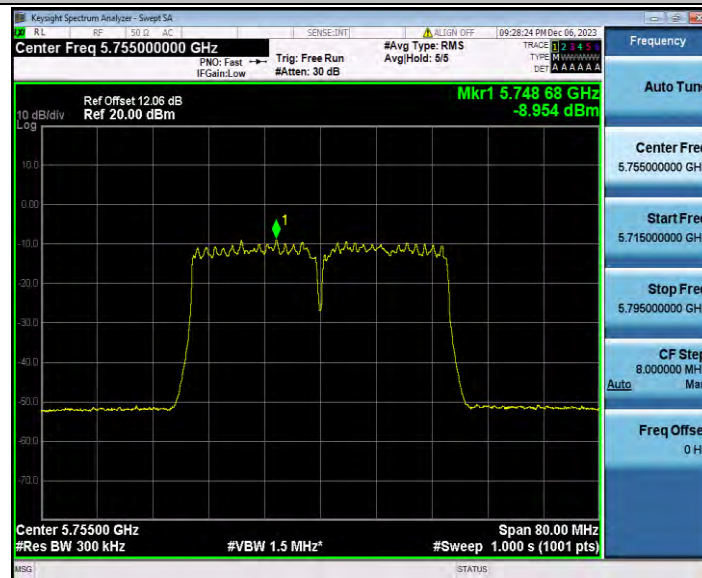
11AC20SISO_Ant3_5745



11AC20SISO_Ant3_5785



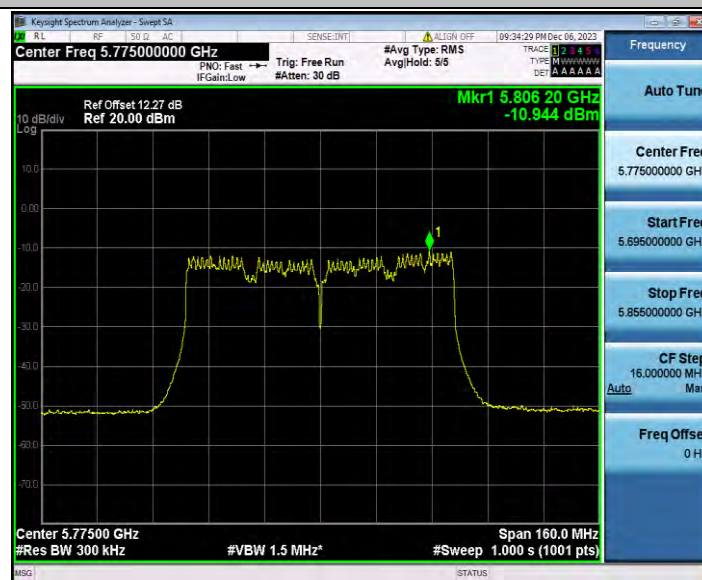
11AC20SISO_Ant3_5825



11AC40SISO_Ant3_5755



11AC40SISO_Ant3_5795



11AC80SISO_Ant3_5775

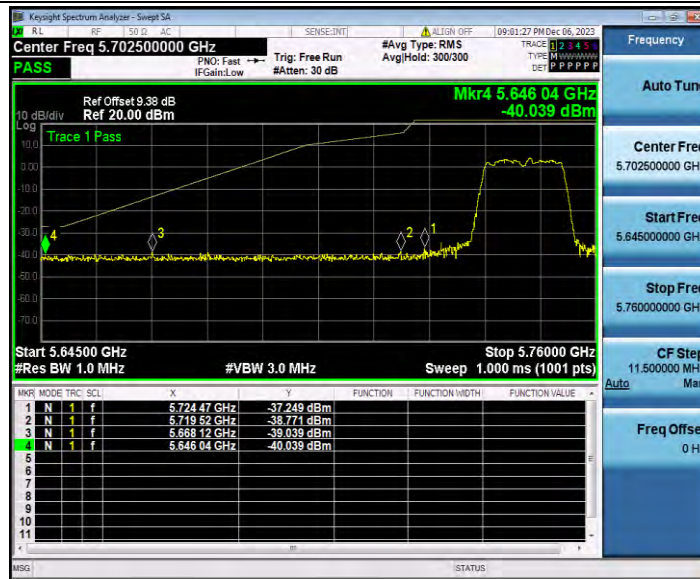
Appendix E.6: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant3	Low	5745	5650~5700	-39.04	≤-13.59	PASS
				5700~5720	-38.77	≤15.47	PASS
				5720~5725	-37.25	≤25.78	PASS
				5760~5650	-40.04	≤-27	PASS
		High	5825	5850~5855	-37.72	≤16.10	PASS
				5855~5875	-38.65	≤10.17	PASS
				5875~5925	-38.53	≤2.71	PASS
				5925~5935	-39.08	≤-27	PASS
11N20SISO	Ant3	Low	5745	5650~5700	-39.51	≤6.91	PASS
				5700~5720	-38.96	≤11.76	PASS
				5720~5725	-39.44	≤26.04	PASS
				5760~5650	-39.86	≤-27	PASS
		High	5825	5850~5855	-38.43	≤17.64	PASS
				5855~5875	-37.93	≤12.18	PASS
				5875~5925	-38.32	≤7.61	PASS
				5925~5935	-38.7	≤-27	PASS
11N40SISO	Ant3	Low	5755	5650~5700	-39.42	≤4.86	PASS
				5700~5720	-39.33	≤13.20	PASS
				5720~5725	-39.73	≤18.20	PASS
				5780~5650	-40.27	≤-27	PASS
		High	5795	5850~5855	-39.06	≤20.92	PASS
				5855~5875	-37.94	≤11.15	PASS
				5875~5925	-38.47	≤6.90	PASS
				5925~5935	-38.84	≤-27	PASS
11AC20SISO	Ant3	Low	5745	5650~5700	-39.17	≤4.45	PASS
				5700~5720	-38.71	≤10.09	PASS
				5720~5725	-38.06	≤24.47	PASS
				5760~5650	-40.32	≤-27	PASS
		High	5825	5850~5855	-37.48	≤21.03	PASS
				5855~5875	-38.25	≤14.03	PASS
				5875~5925	-38.26	≤-8.07	PASS
				5925~5935	-38.84	≤-27	PASS
11AC40SISO	Ant3	Low	5755	5650~5700	-39.39	≤-7.42	PASS
				5700~5720	-37.83	≤13.27	PASS
				5720~5725	-36.39	≤23.43	PASS

		High	5795	5780~5650	-40.17	≤ -27	PASS
				5850~5855	-38.21	≤ 22.05	PASS
				5855~5875	-38.67	≤ 11.75	PASS
				5875~5925	-37.87	≤ 6.17	PASS
				5925~5935	-39.05	≤ -27	PASS
11AC80SI SO	Ant3	Low	5775	5650~5700	-36.93	≤ -0.76	PASS
				5700~5720	-38.63	≤ 13.04	PASS
				5720~5725	-38.5	≤ 20.95	PASS
				5800~5650	-39.85	≤ -27	PASS
		High	5775	5850~5855	-37	≤ 22.12	PASS
				5855~5875	-37.86	≤ 13.91	PASS
				5875~5925	-38.82	≤ -14.77	PASS
				5925~5935	-38.52	≤ -27	PASS

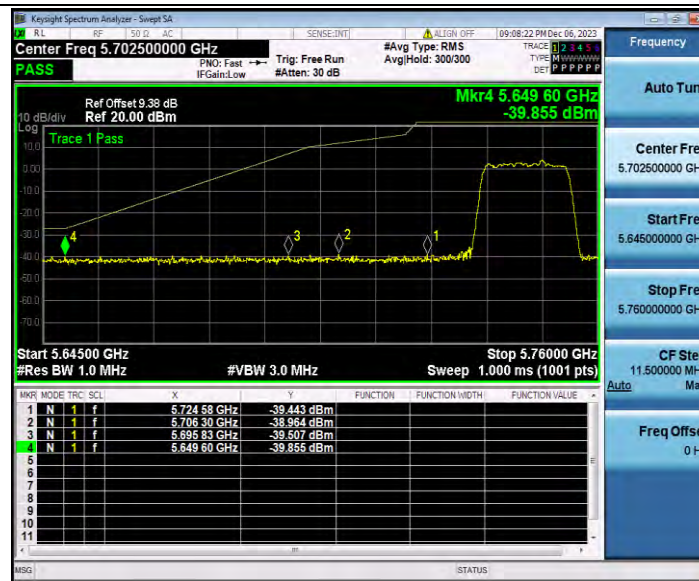
Test Graphs B4



11A_Ant3_Low_5745



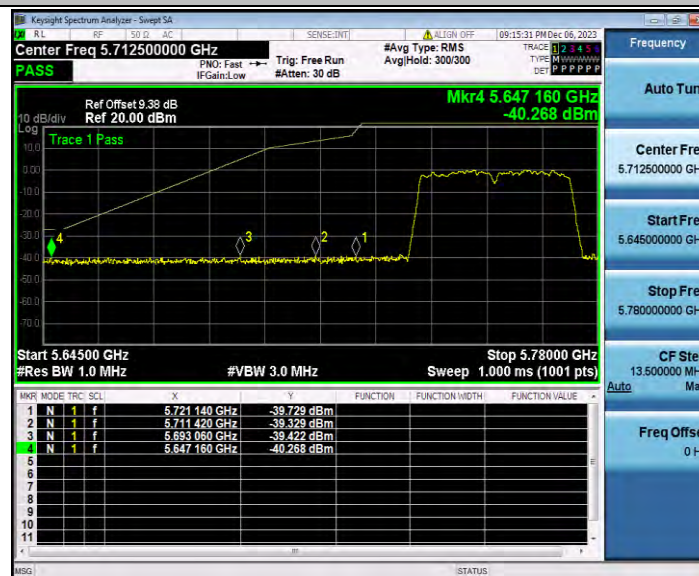
11A_Ant3_High_5825



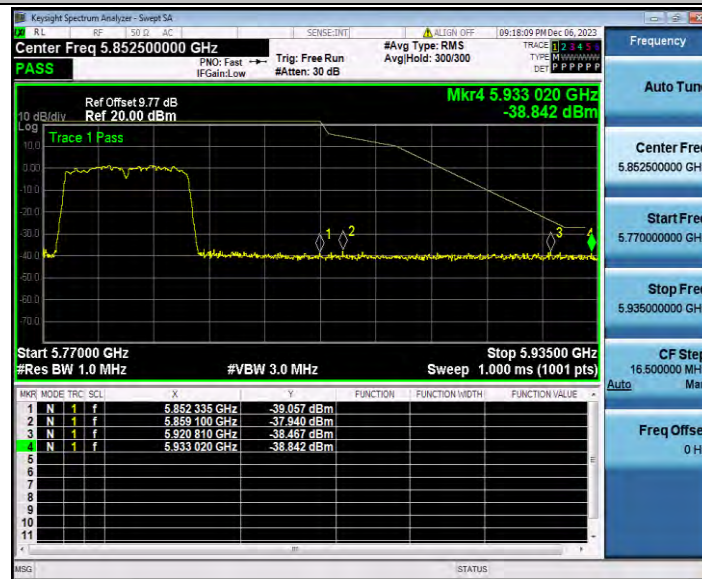
11N20SISO_Ant3_Low_5745



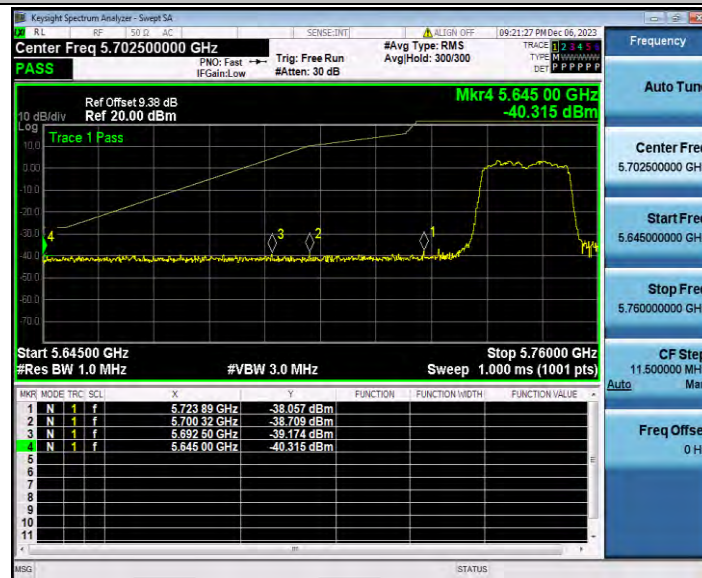
11N20SISO_Ant3_High_5825



11N40SISO_Ant3_Low_5755



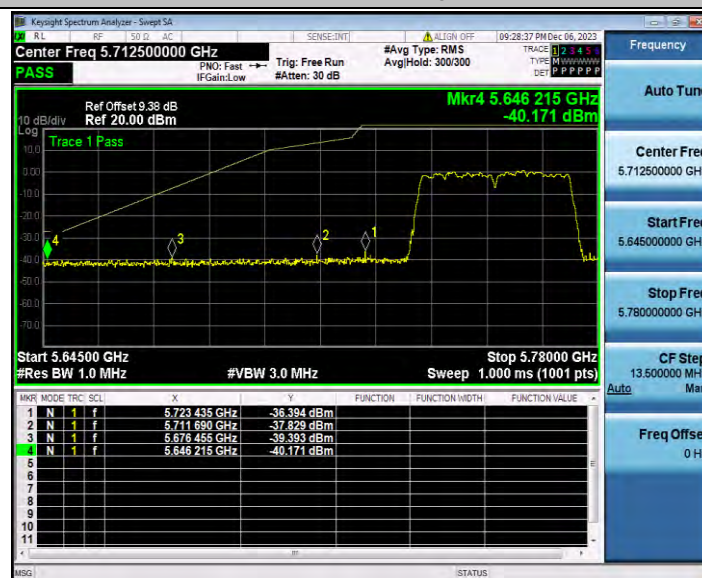
11N40SISO_Ant3_High_5795



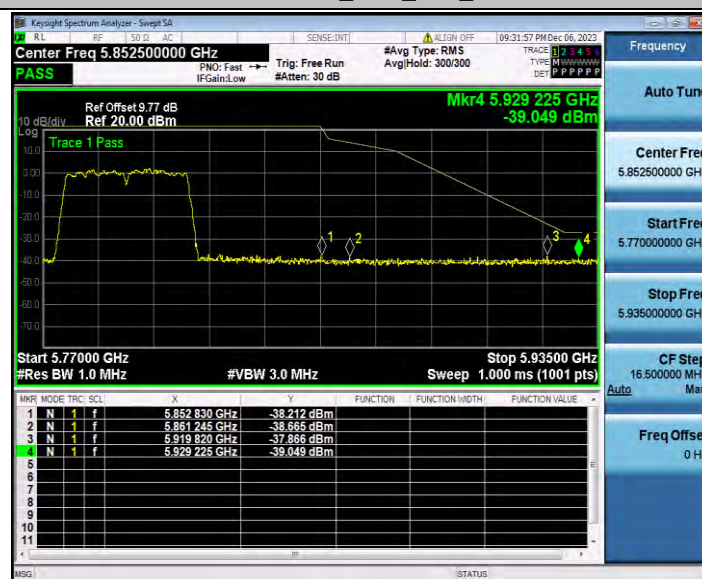
11AC20SISO_Ant3_Low_5745



11AC20SISO_Ant3_High_5825



11AC40SISO_Ant3_Low_5755



11AC40SISO_Ant3_High_5795



11AC80SISO_Ant3_Low_5775



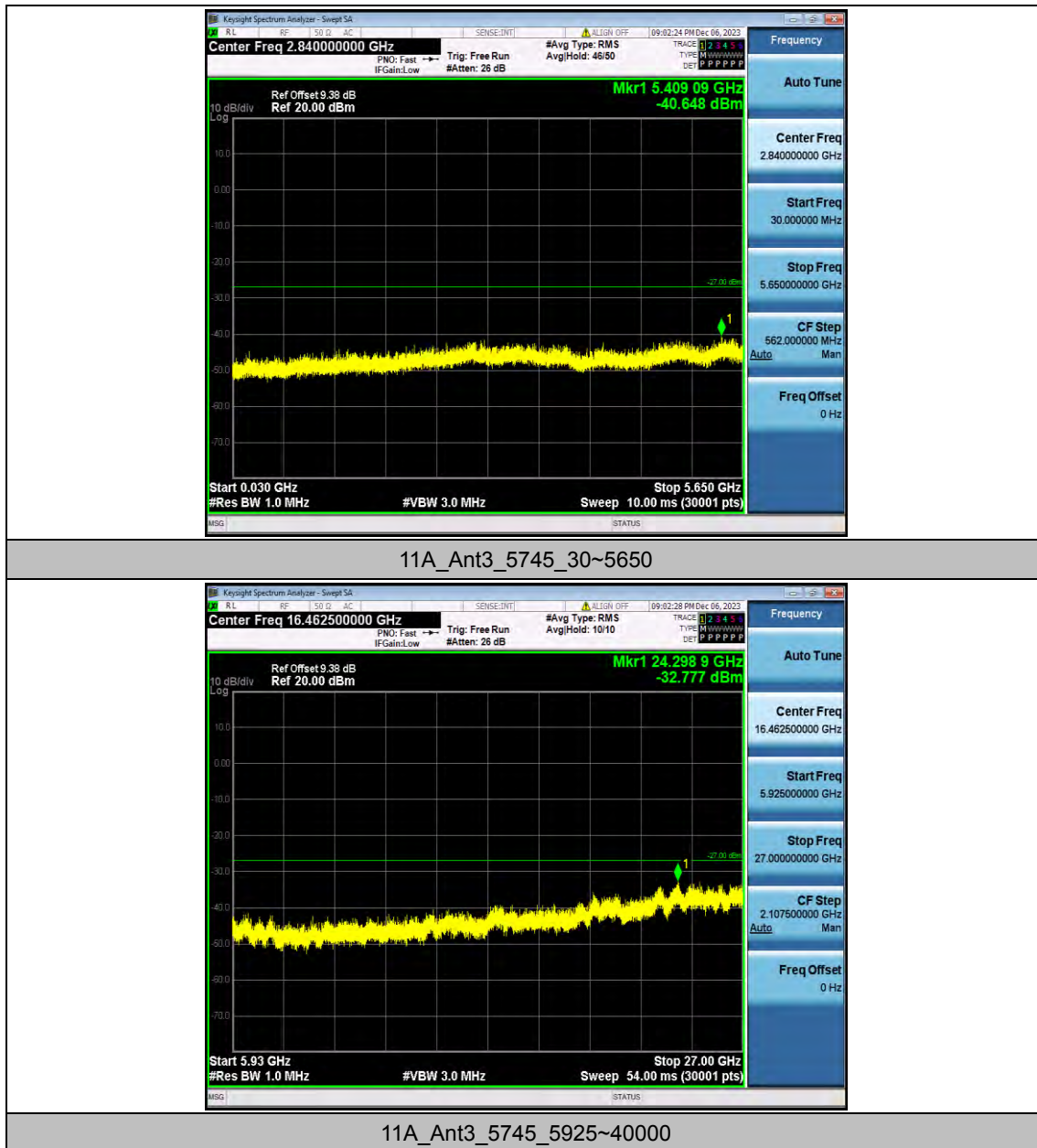
11AC80SISO_Ant3_High_5775

Appendix E.7: Conducted Spurious Emission

Test Result

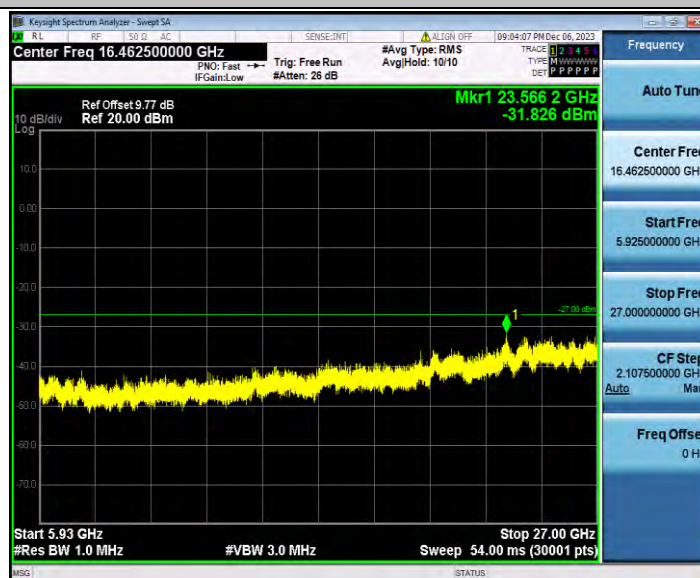
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant3	5745	30~5650	5409.09	-40.65	≤-27	PASS
			5925~40000	24298.89	-32.78	≤-27	PASS
		5785	30~5650	5429.7	-40.16	≤-27	PASS
			5925~40000	23566.18	-31.83	≤-27	PASS
		5825	30~5650	2646.48	-40.35	≤-27	PASS
			5925~40000	26053.73	-32.23	≤-27	PASS
11N20SISO	Ant3	5745	30~5650	5477.65	-40.53	≤-27	PASS
			5925~40000	24349.47	-31.78	≤-27	PASS
		5785	30~5650	4907.41	-40.46	≤-27	PASS
			5925~40000	24862.29	-31.43	≤-27	PASS
		5825	30~5650	5515.12	-40.68	≤-27	PASS
			5925~40000	24215.99	-32.69	≤-27	PASS
11N40SISO	Ant3	5755	30~5650	5495.26	-40.2	≤-27	PASS
			5925~40000	23607.63	-32.48	≤-27	PASS
		5795	30~5650	5569.82	-40.73	≤-27	PASS
			5925~40000	24272.19	-31.07	≤-27	PASS
11AC20SISO	Ant3	5745	30~5650	5528.61	-41.15	≤-27	PASS
			5925~40000	26084.64	-32.49	≤-27	PASS
		5785	30~5650	5418.83	-40.33	≤-27	PASS
			5925~40000	23543	-32.41	≤-27	PASS
		5825	30~5650	5466.6	-40.58	≤-27	PASS
			5925~40000	25987	-31.93	≤-27	PASS
11AC40SISO	Ant3	5755	30~5650	5545.84	-40.8	≤-27	PASS
			5925~40000	26027.74	-32.35	≤-27	PASS
		5795	30~5650	3156.41	-40.6	≤-27	PASS
			5925~40000	26023.53	-31.6	≤-27	PASS
11AC80SISO	Ant3	5775	30~5650	4925.21	-40.57	≤-27	PASS
			5925~40000	26677.55	-32.94	≤-27	PASS

Test Graphs



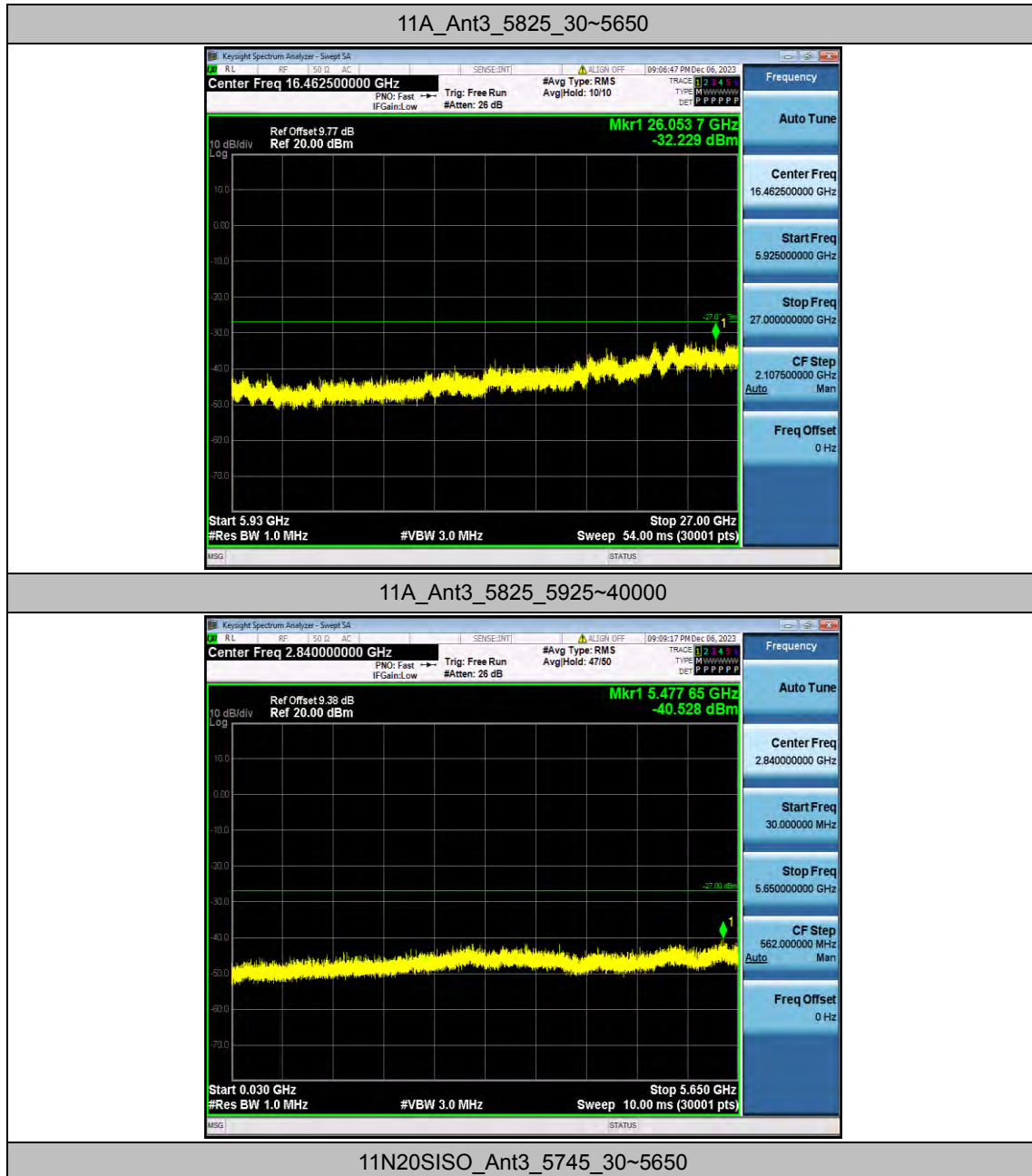


11A_Ant3_5785_30~5650



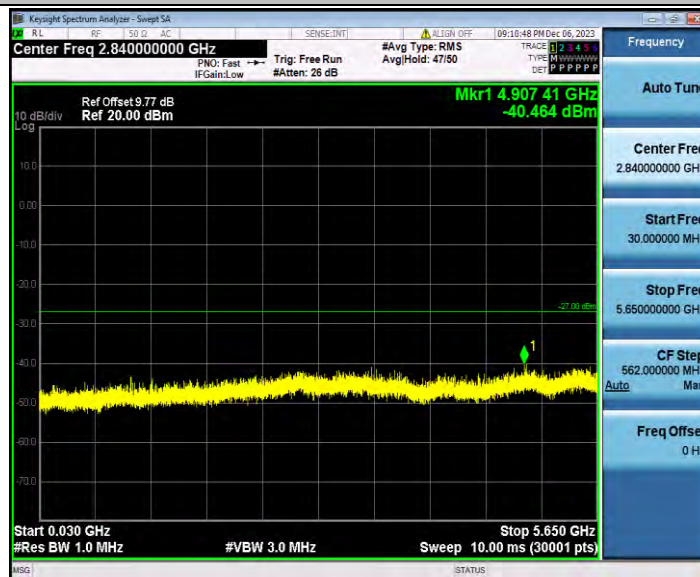
11A_Ant3_5785_5925~40000



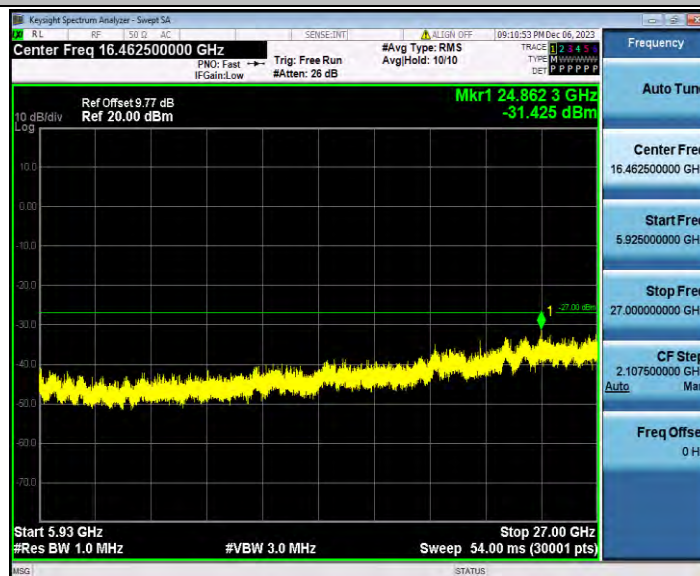




11N20SISO_Ant3_5745_5925-40000



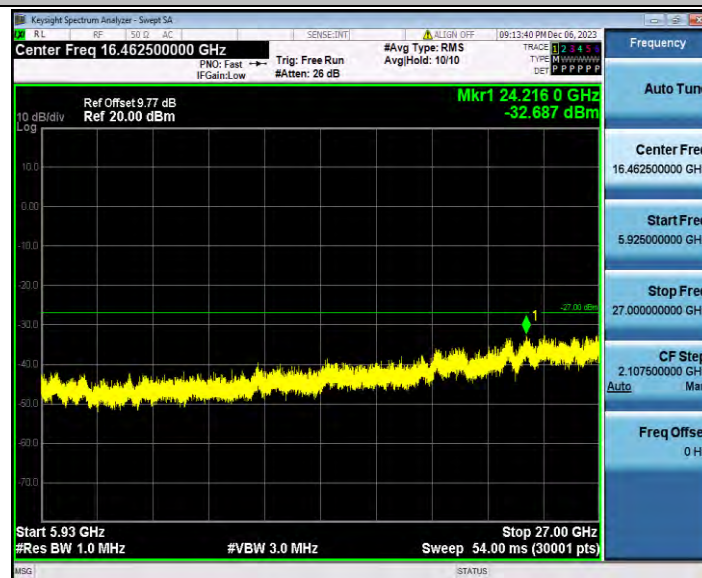
11N20SISO_Ant3_5785_30~5650



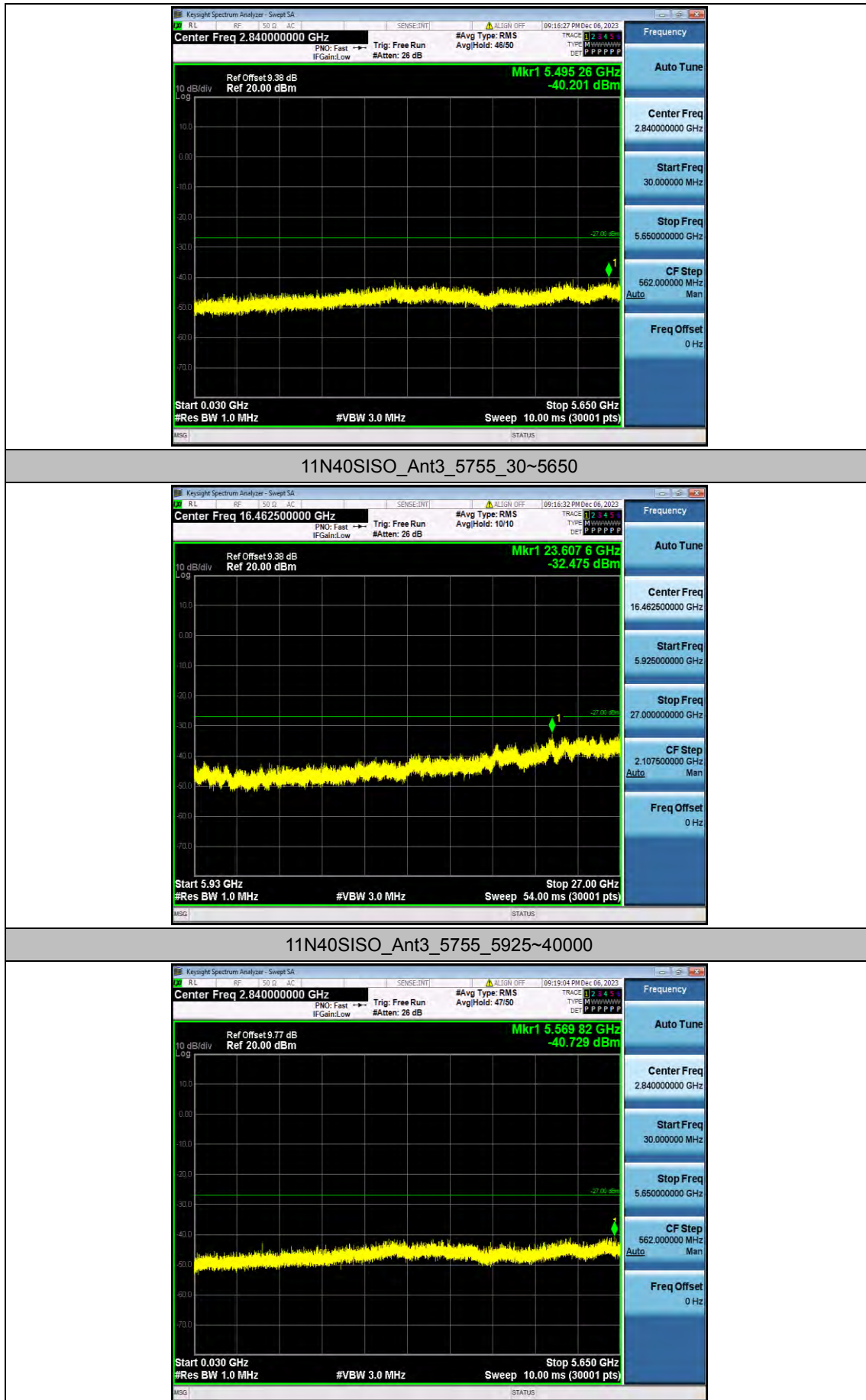
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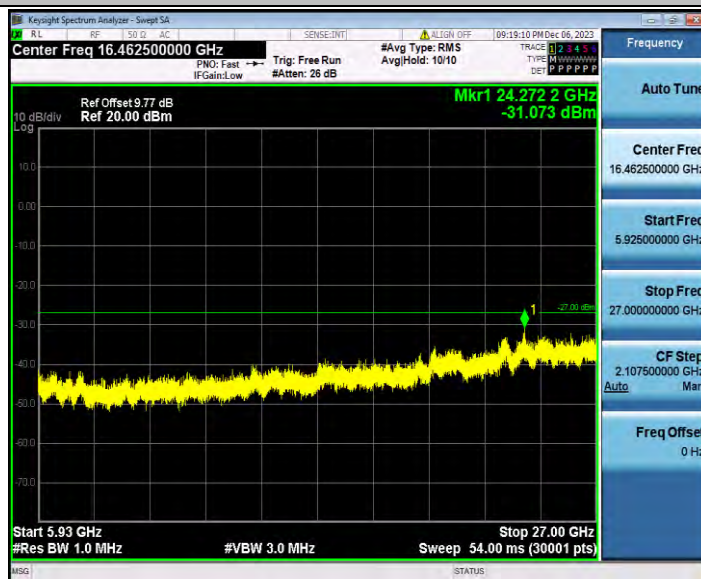
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11N20SISO_Ant3_5825_5925~40000



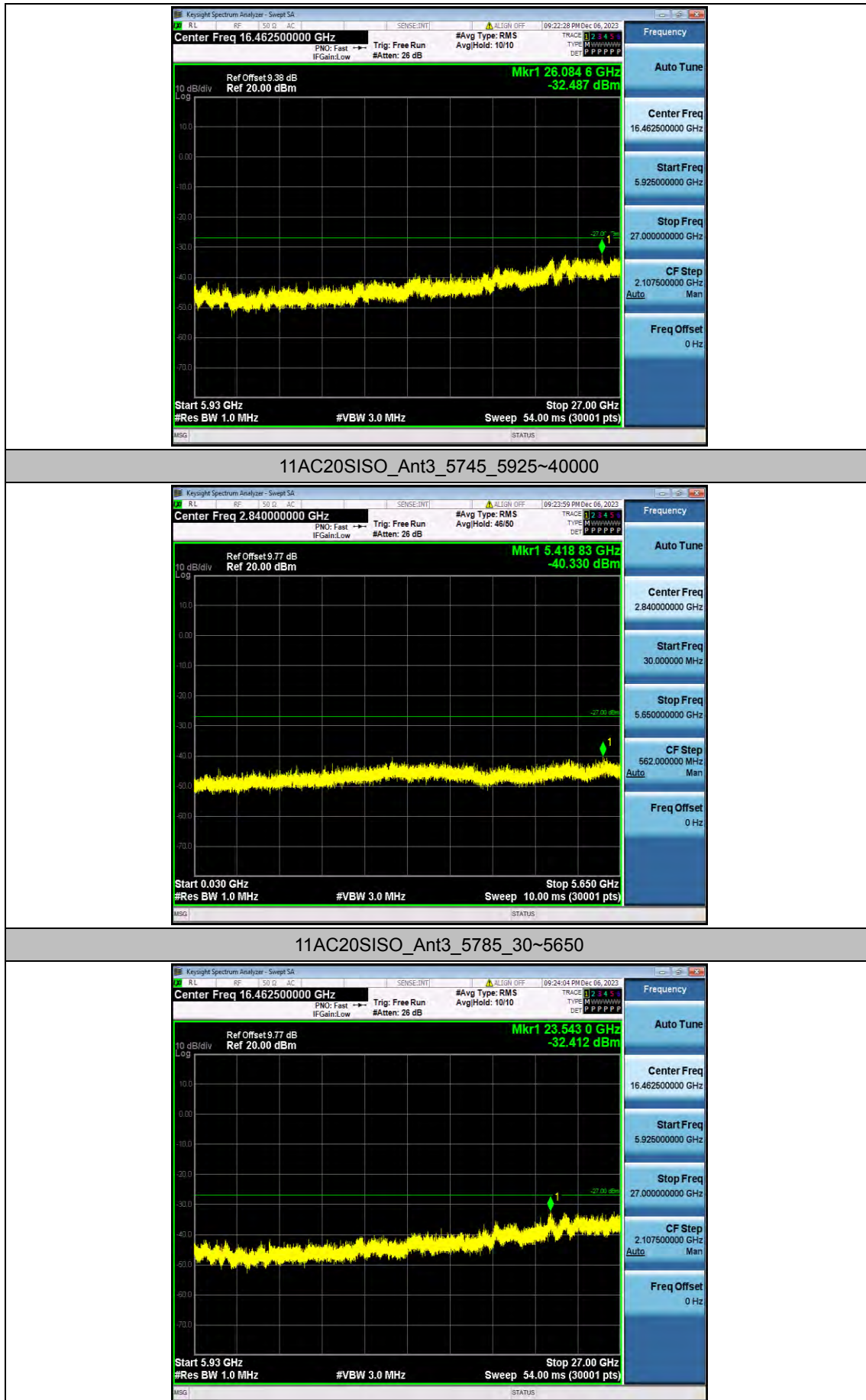
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11N40SISO_Ant3_5795_5925~40000



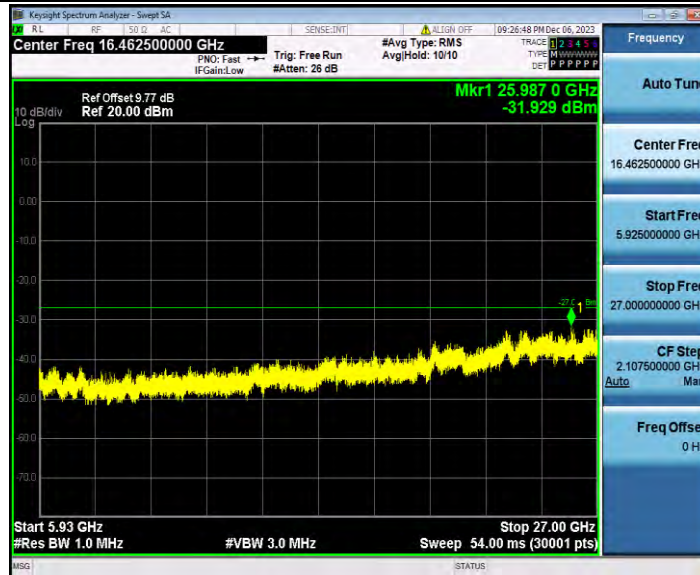
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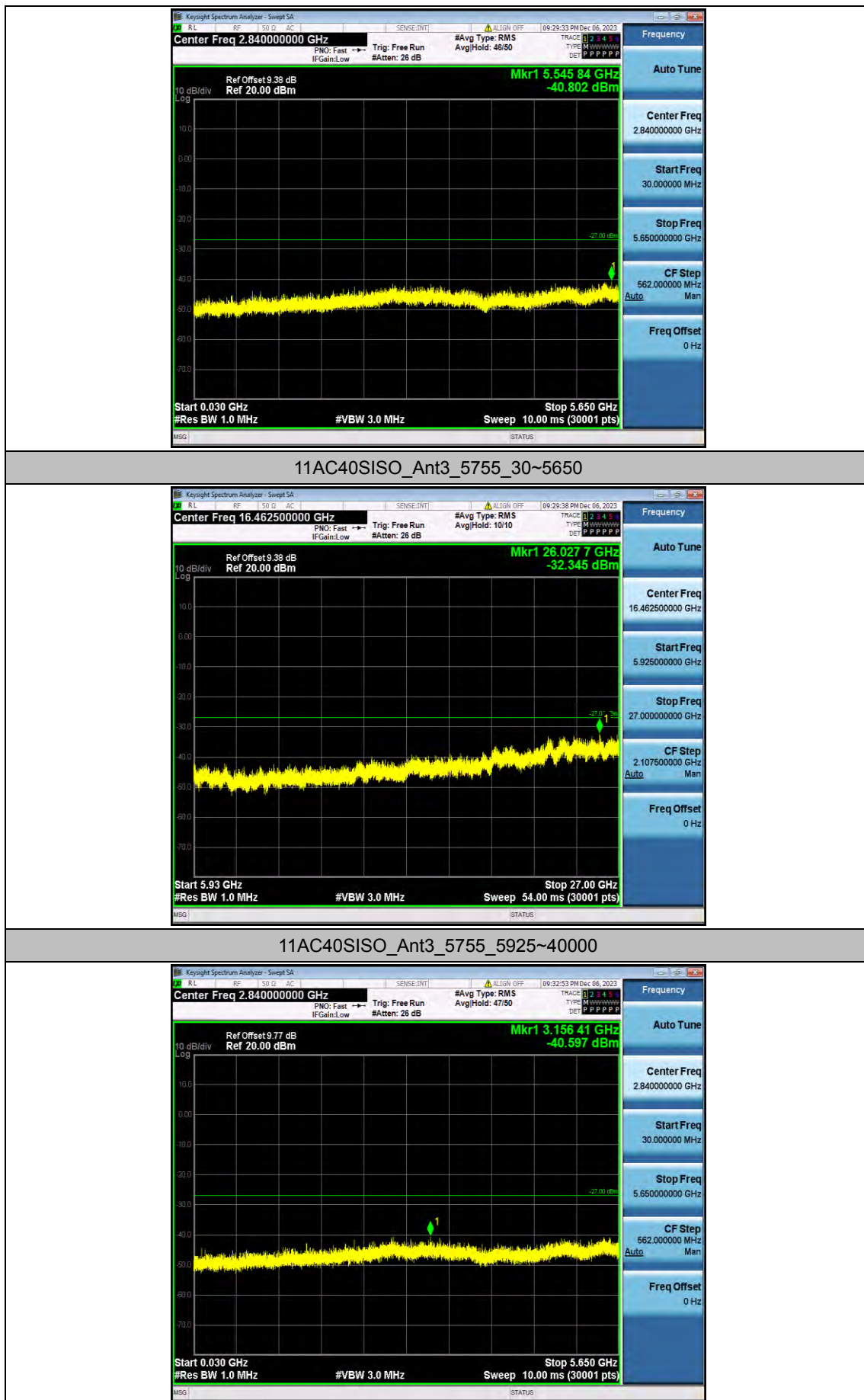
11AC20SISO_Ant3_5785_5925~40000



11AC20SISO_Ant3_5825_30~5650



11AC20SISO_Ant3_5825_5925~40000



11AC40SISO_Ant3_5795_30~5650



11AC40SISO_Ant3_5795_5925~40000



11AC80SISO_Ant3_5775_30~5650

