

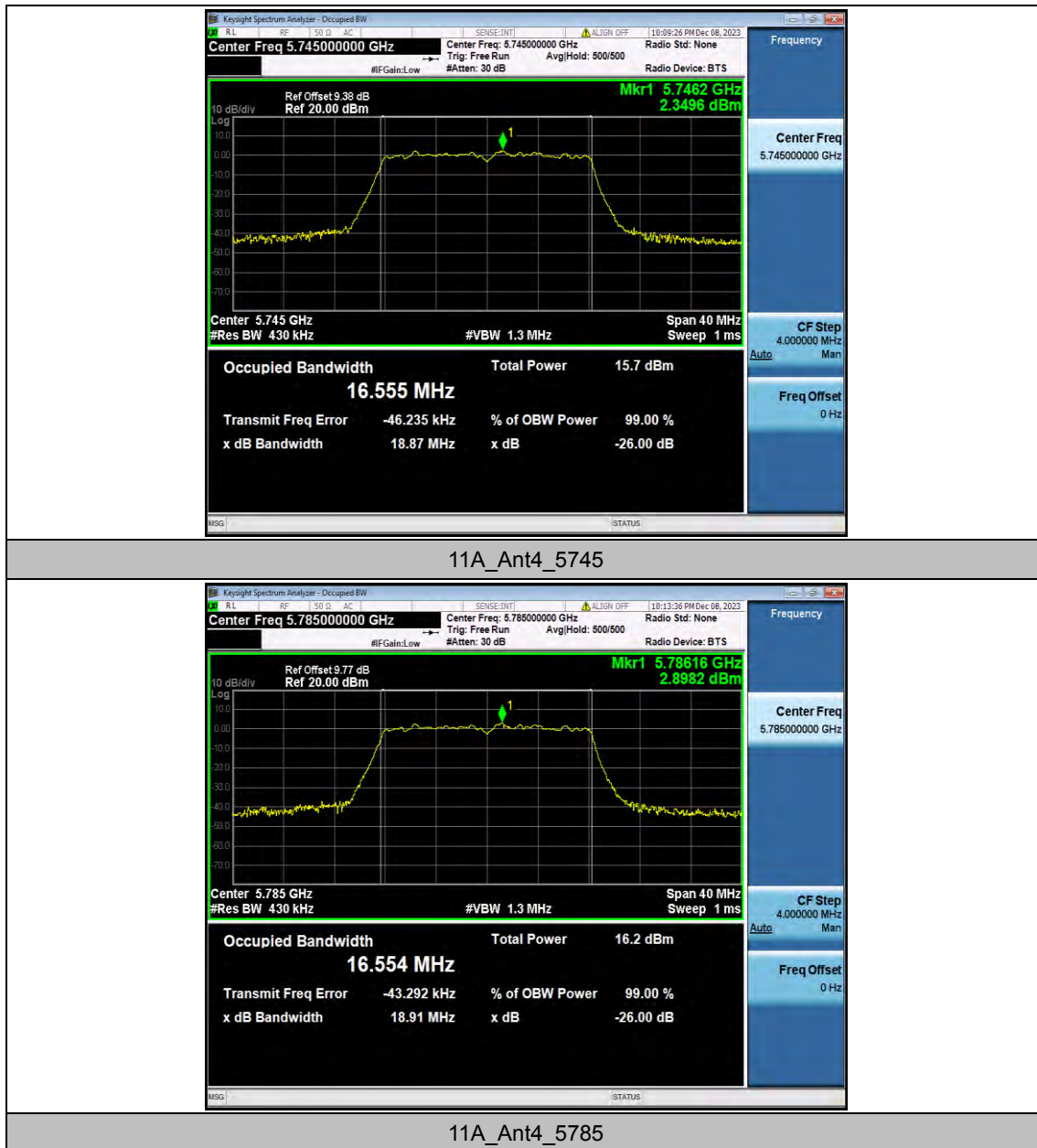
Case No. : <u>GTS20231012003-1-11</u>	
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.12.8</u>	Test Engineer: <u>Evan ouyang</u>

Appendix E.1: Occupied channel bandwidth

Test Result

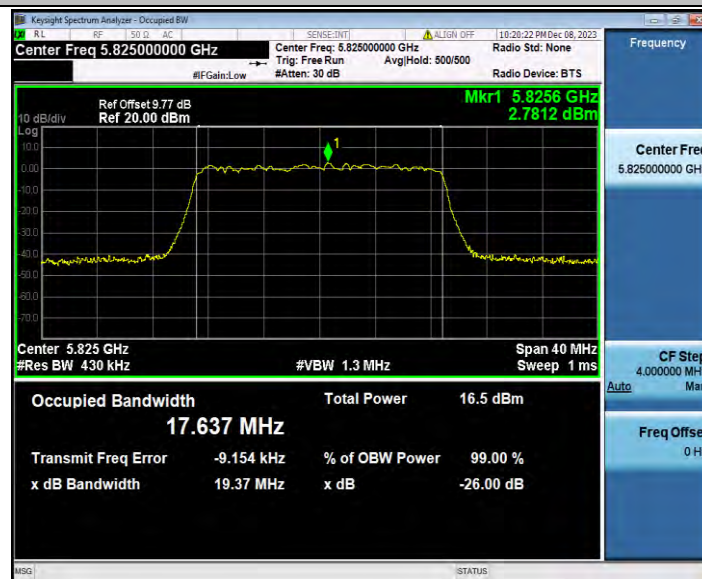
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant4	5745	16.555	5736.676	5753.231	---	---
		5785	16.554	5776.680	5793.234	---	---
		5825	16.549	5816.697	5833.246	---	---
11N20SISO	Ant4	5745	17.639	5736.153	5753.792	---	---
		5785	17.634	5776.160	5793.794	---	---
		5825	17.637	5816.172	5833.809	---	---
11N40SISO	Ant4	5755	36.285	5736.809	5773.094	---	---
		5795	36.263	5776.805	5813.068	---	---
11AC20SISO	Ant4	5745	17.718	5736.095	5753.813	---	---
		5785	17.714	5776.098	5793.812	---	---
		5825	17.710	5816.116	5833.826	---	---
11AC40SISO	Ant4	5755	36.265	5736.839	5773.104	---	---
		5795	36.238	5776.831	5813.069	---	---
11AC80SISO	Ant4	5775	77.226	5736.300	5813.526	---	---

Test Graphs

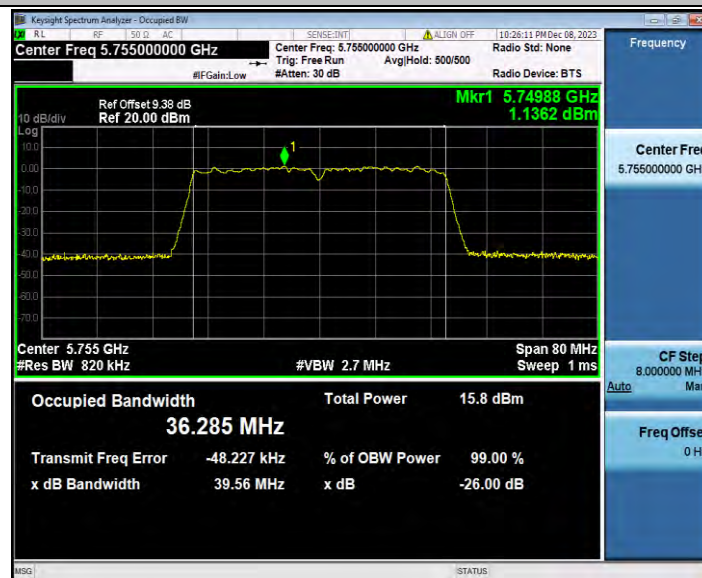




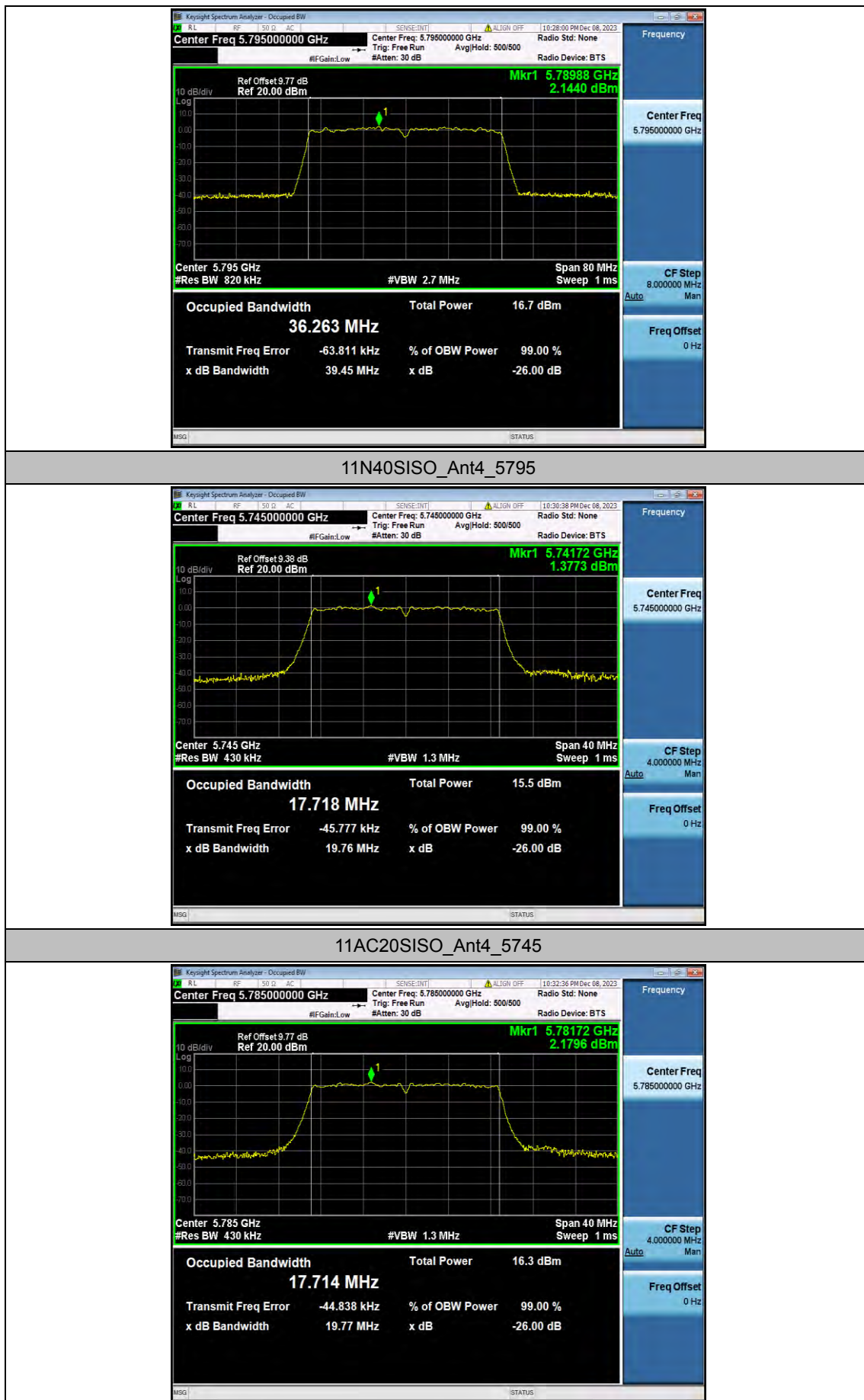
11N20SISO_Ant4_5785



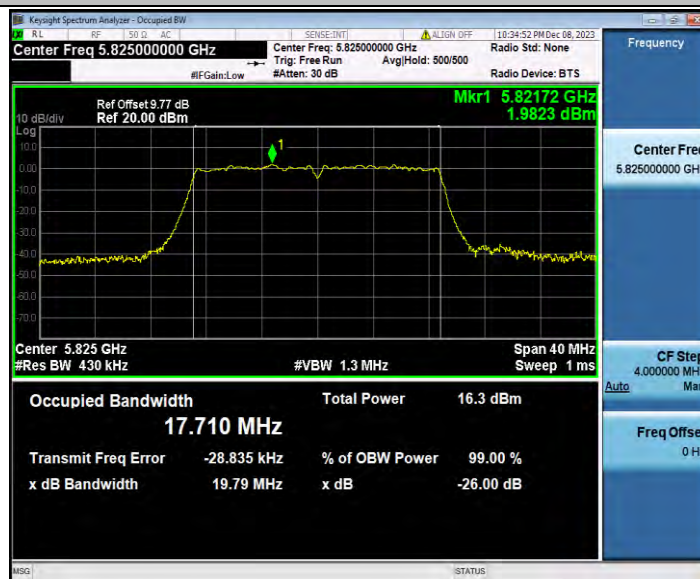
11N20SISO_Ant4_5825



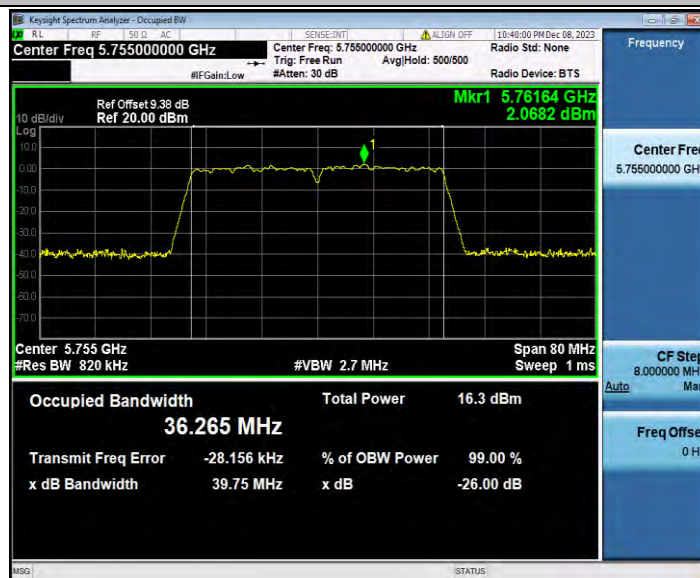
11N40SISO_Ant4_5755



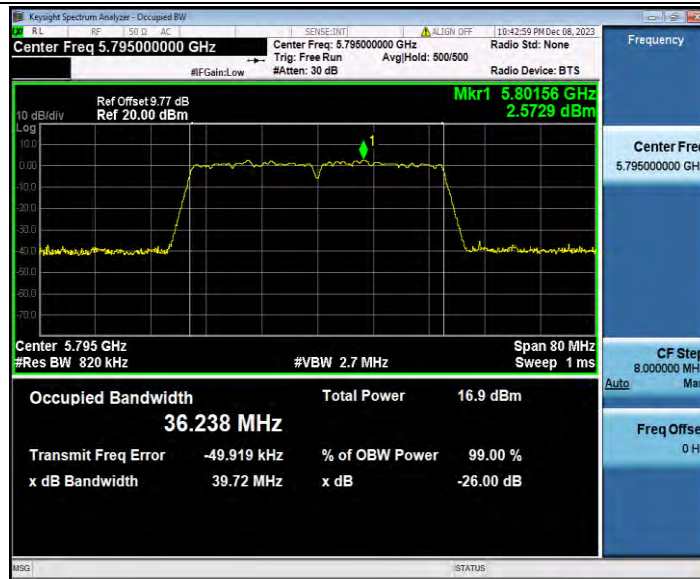
11AC20SISO_Ant4_5785



11AC20SISO_Ant4_5825



11AC40SISO_Ant4_5755



11AC40SISO_Ant4_5795



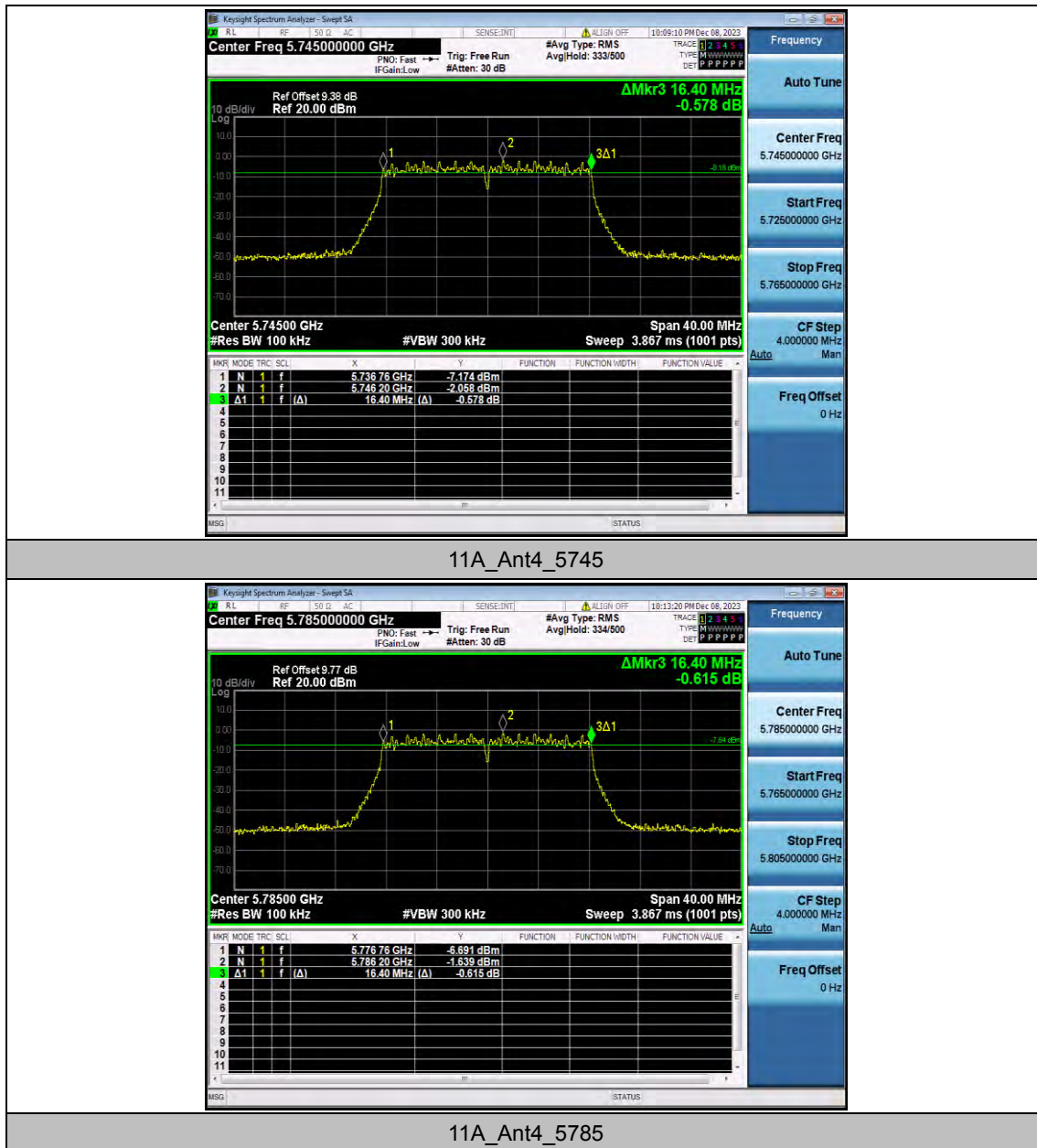
11AC80SISO_Ant4_5775

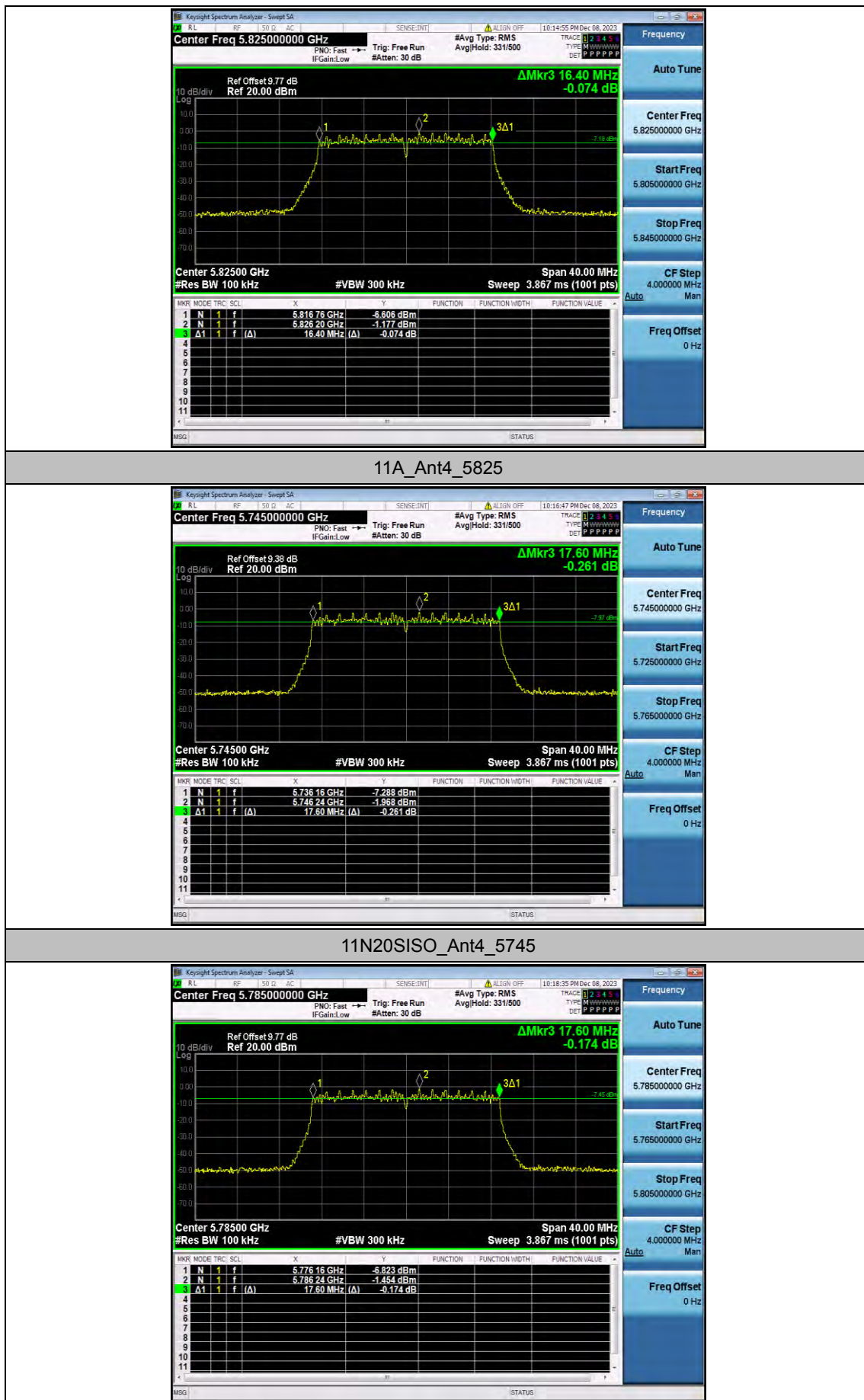
Appendix E.2: Min emission bandwidth

Test Result B4

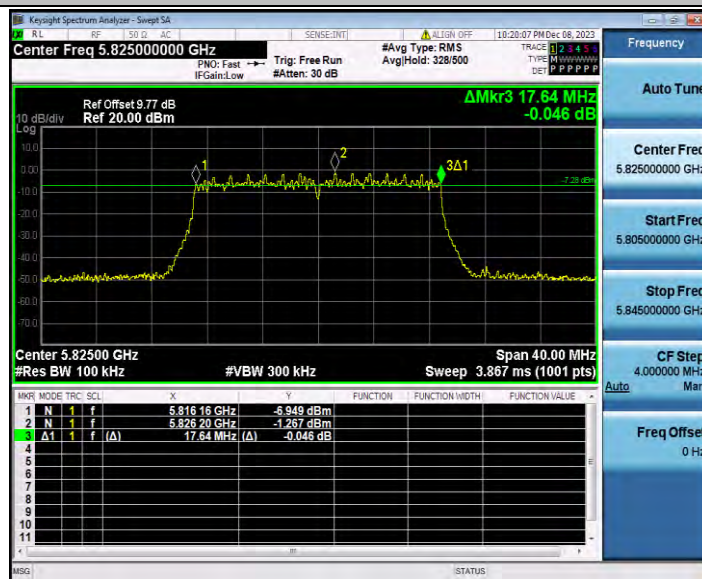
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant4	5745	16.400	5736.760	5753.160	0.5	PASS
		5785	16.400	5776.760	5793.160	0.5	PASS
		5825	16.400	5816.760	5833.160	0.5	PASS
11N20SISO	Ant4	5745	17.600	5736.160	5753.760	0.5	PASS
		5785	17.600	5776.160	5793.760	0.5	PASS
		5825	17.640	5816.160	5833.800	0.5	PASS
11N40SISO	Ant4	5755	36.000	5736.840	5772.840	0.5	PASS
		5795	36.000	5776.840	5812.840	0.5	PASS
11AC20SISO	Ant4	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	Ant4	5755	35.840	5736.760	5772.600	0.5	PASS
		5795	35.760	5776.760	5812.520	0.5	PASS
11AC80SISO	Ant4	5775	76.320	5736.760	5813.080	0.5	PASS

Test Graphs B4

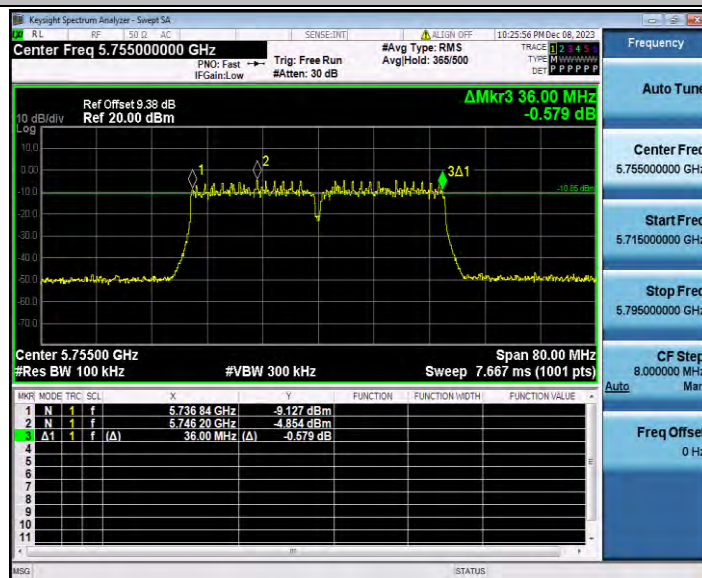




11N20SISO_Ant4_5785



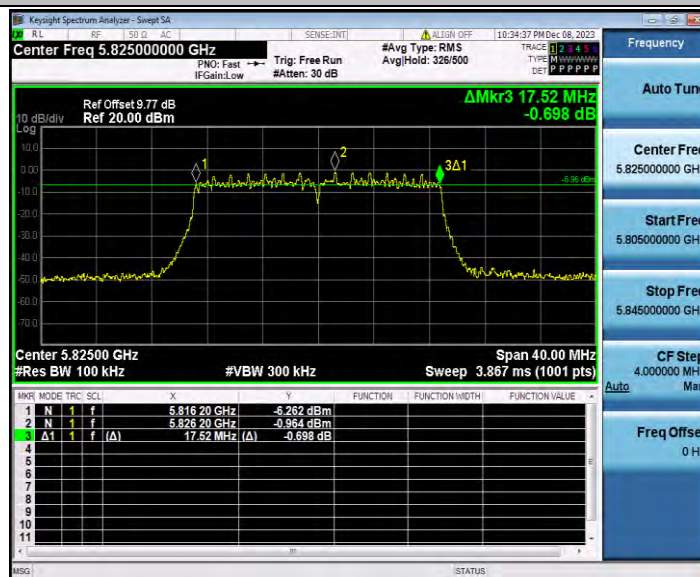
11N20SISO_Ant4_5825



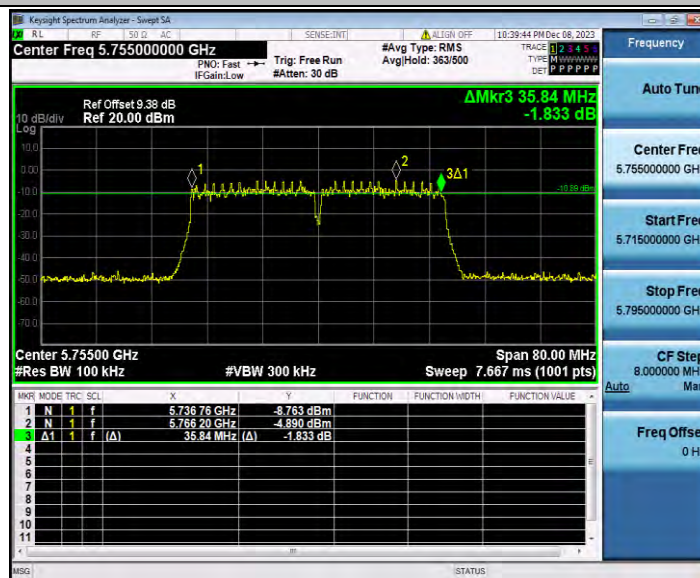
11N40SISO_Ant4_5755



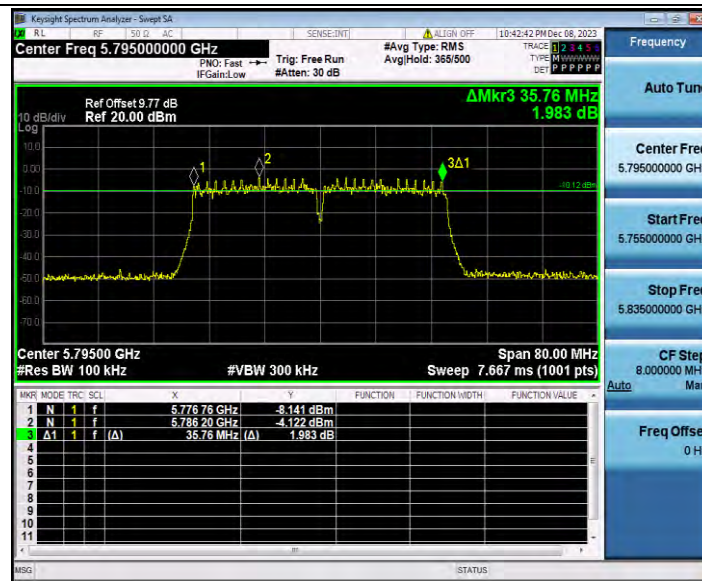
11AC20SISO_Ant4_5785



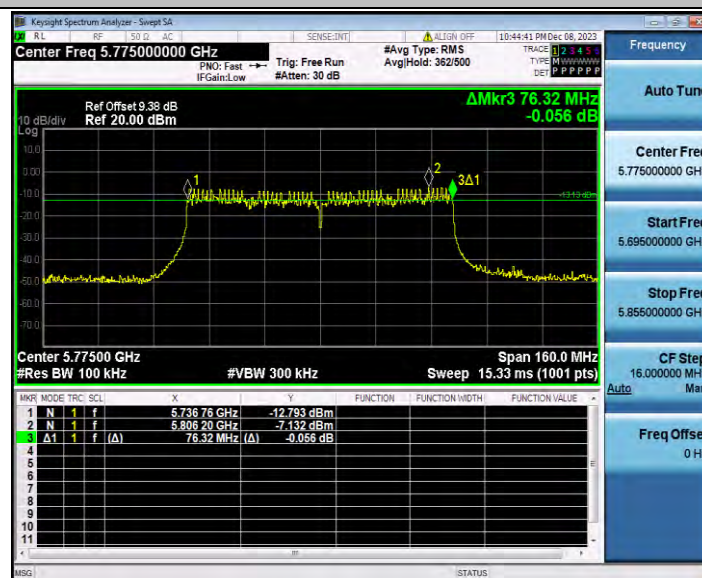
11AC20SISO_Ant4_5825



11AC40SISO_Ant4_5755



11AC40SISO_Ant4_5795



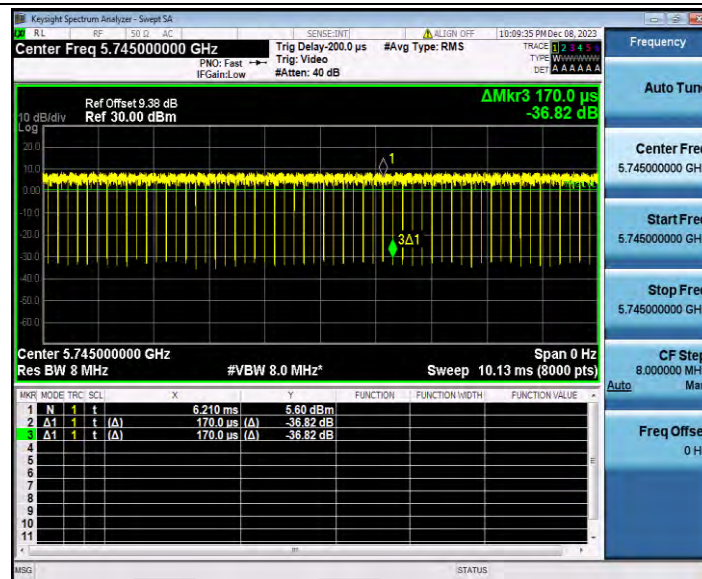
11AC80SISO_Ant4_5775

Appendix E.3: Duty Cycle

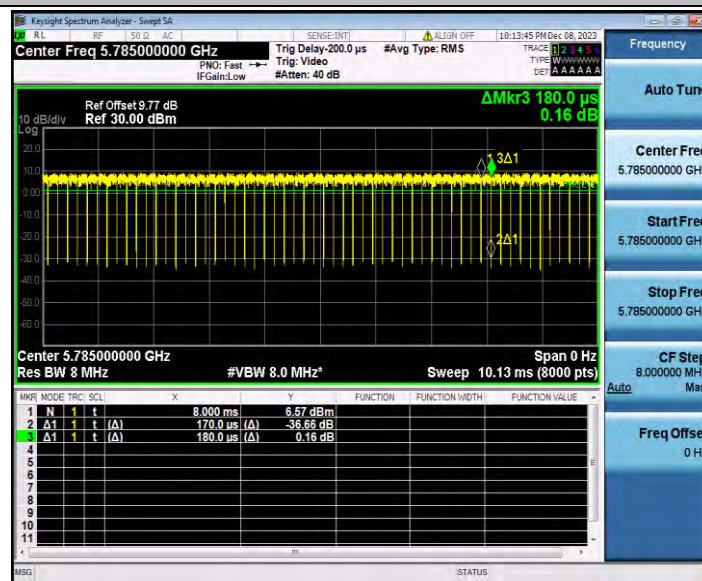
Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant4	5745	0.17	0.17	100.00
		5785	0.17	0.18	94.44
		5825	0.17	0.18	94.44
11N20SISO	Ant4	5745	0.16	0.17	94.12
		5785	0.16	0.17	94.12
		5825	0.16	0.17	94.12
11N40SISO	Ant4	5755	0.10	0.11	90.91
		5795	0.10	0.10	100.00
11AC20SISO	Ant4	5745	0.14	0.15	93.33
		5785	0.14	0.15	93.33
		5825	0.14	0.15	93.33
11AC40SISO	Ant4	5755	0.09	0.10	90.00
		5795	0.09	0.10	90.00
11AC80SISO	Ant4	5775	0.06	0.07	85.71

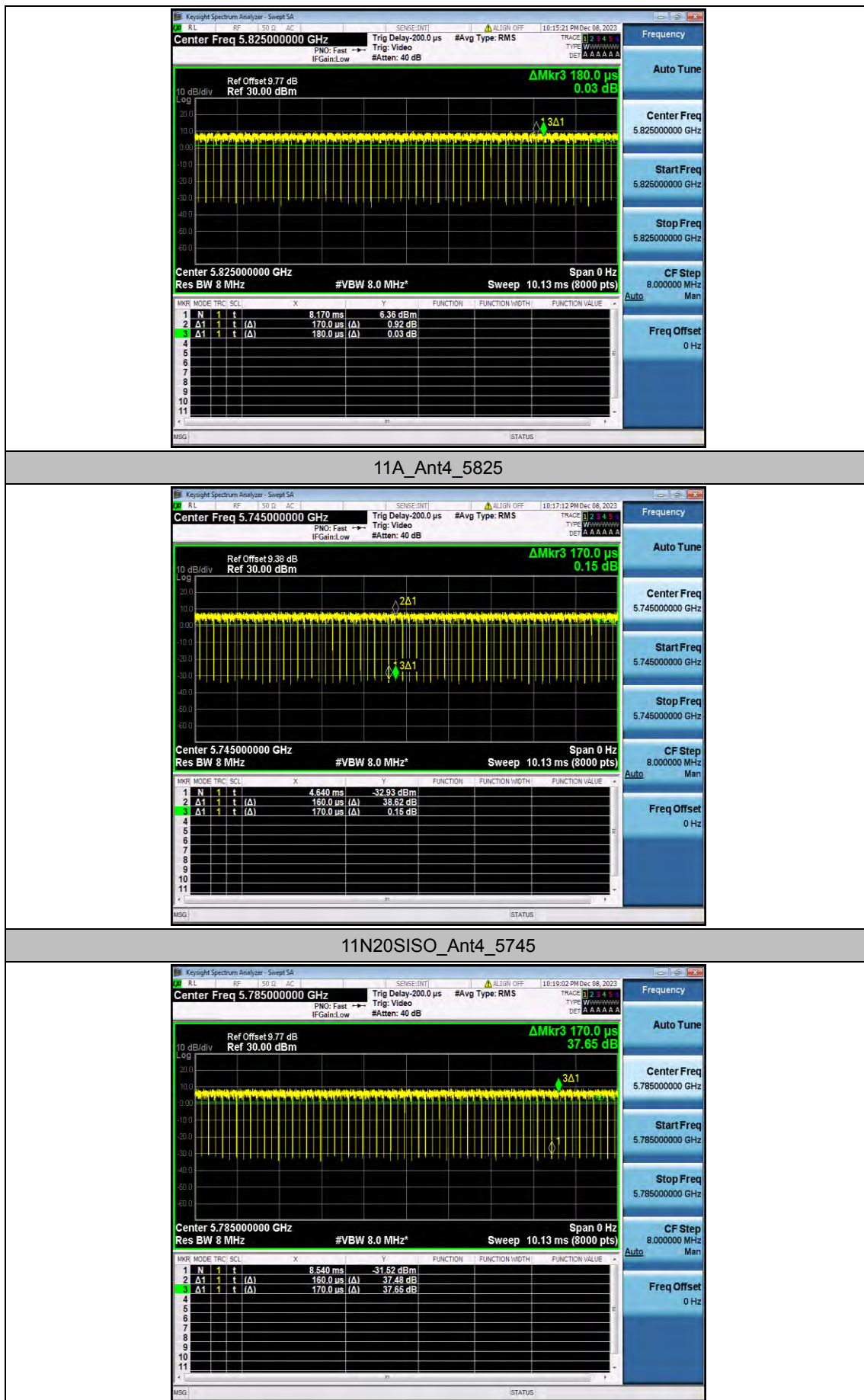
Test Graphs

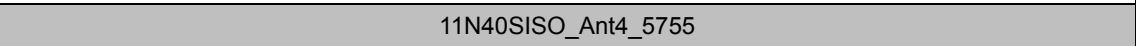
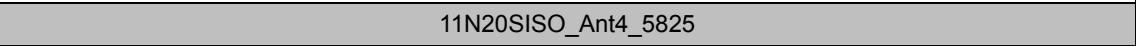


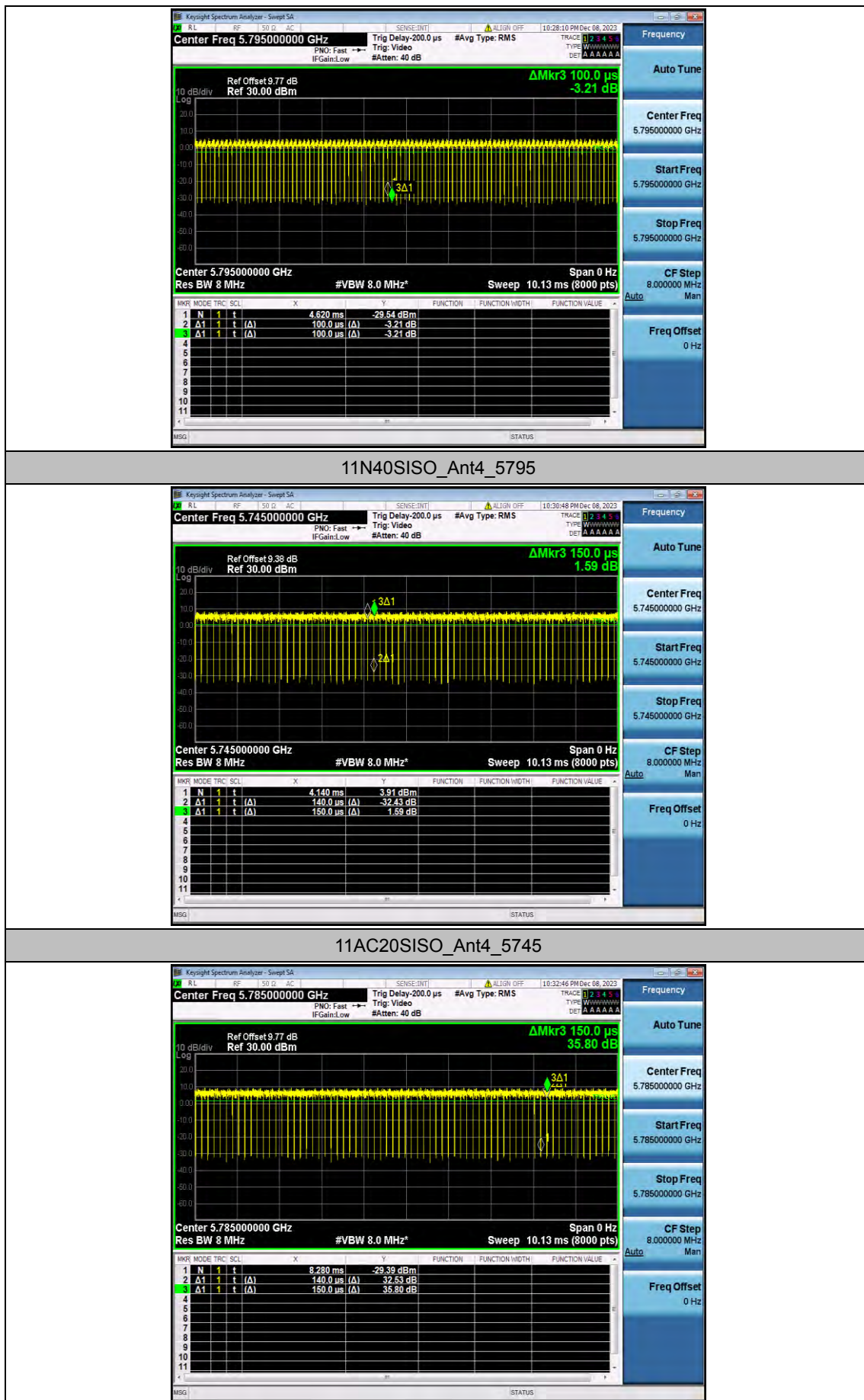
11A_Ant4_5745



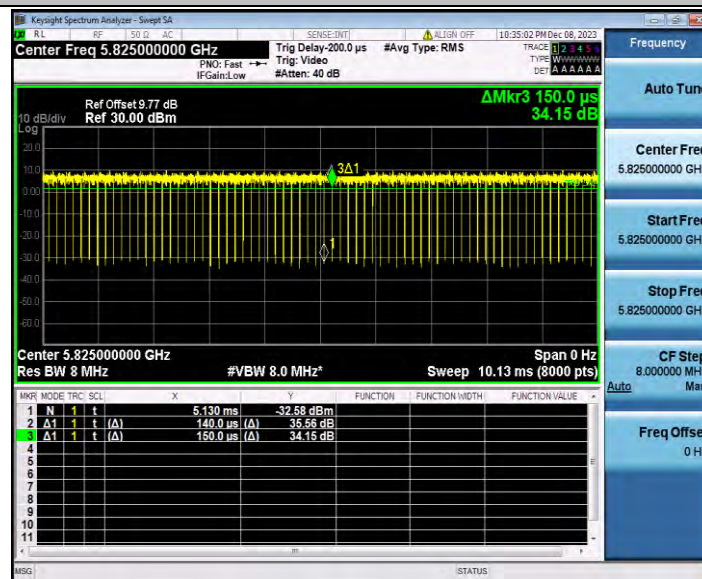
11A_Ant4_5785



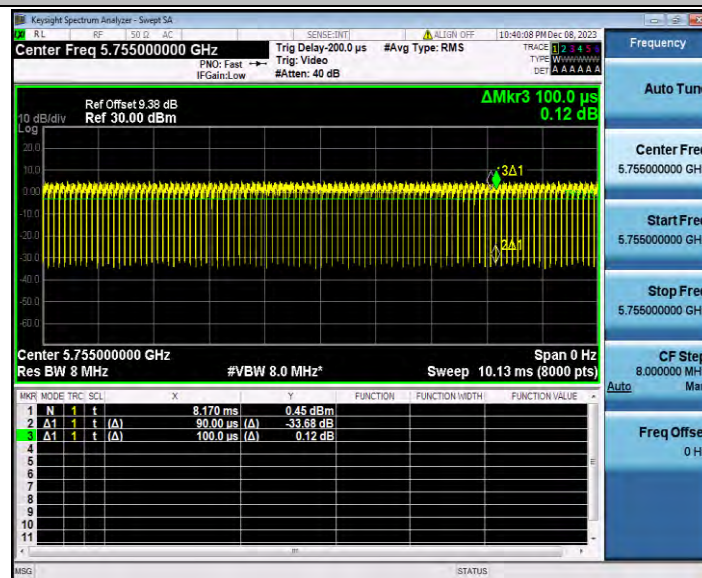




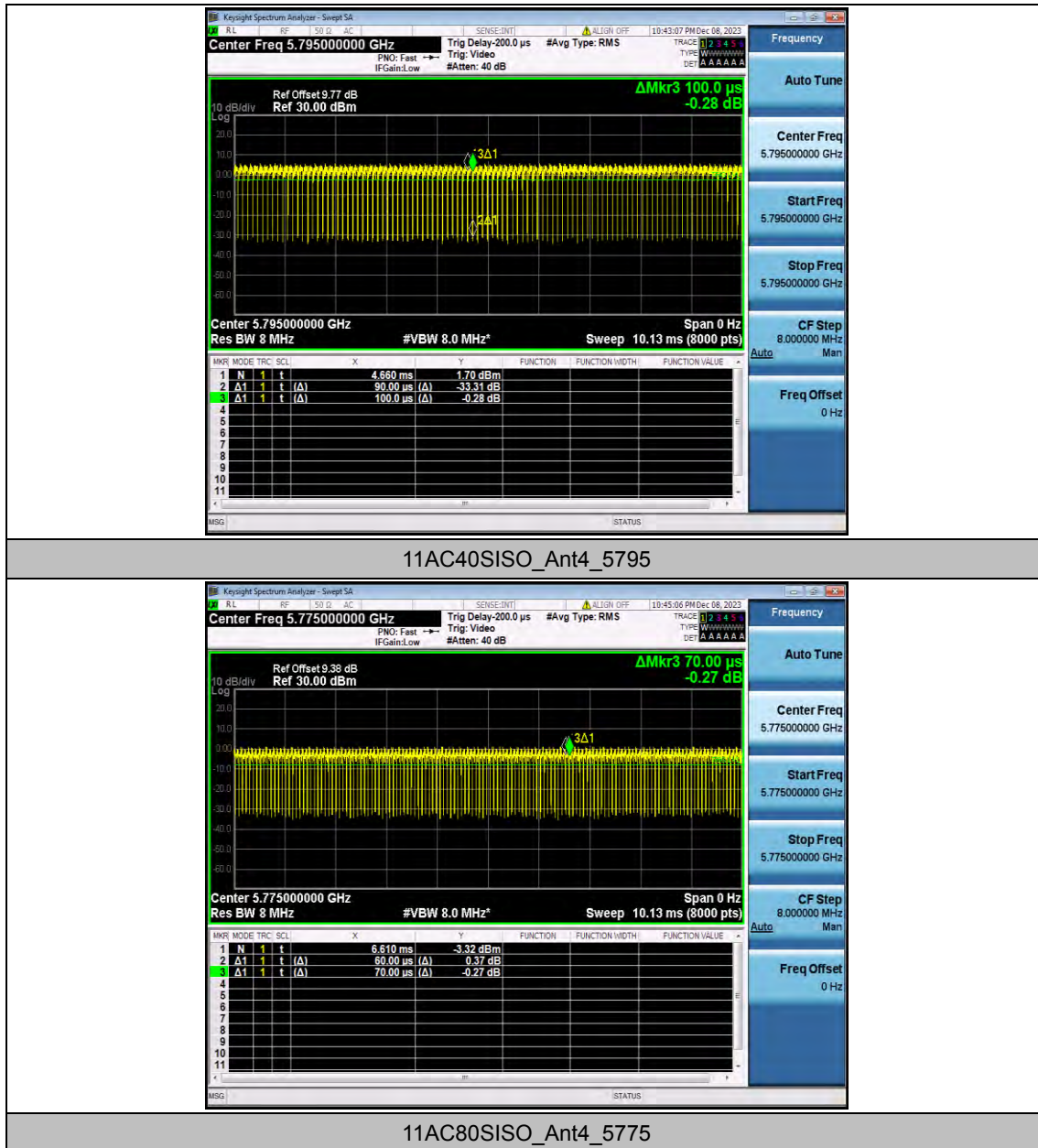
11AC20SISO_Ant4_5785



11AC20SISO_Ant4_5825



11AC40SISO_Ant4_5755



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	Ant4	5745	8.68	100.00	0.00	8.68	≤30.00	PASS
		5785	9.17	94.44	0.25	9.42	≤30.00	PASS
		5825	9.56	94.44	0.25	9.81	≤30.00	PASS
11N20SISO	Ant4	5745	8.74	94.12	0.26	9.00	≤30.00	PASS
		5785	9.26	94.12	0.26	9.52	≤30.00	PASS
		5825	9.44	94.12	0.26	9.70	≤30.00	PASS
11N40SISO	Ant4	5755	8.56	90.91	0.41	8.97	≤30.00	PASS
		5795	9.40	100.00	0.00	9.40	≤30.00	PASS
11AC20SISO	Ant4	5745	8.93	93.33	0.30	9.23	≤30.00	PASS
		5785	9.73	93.33	0.30	10.03	≤30.00	PASS
		5825	9.74	93.33	0.30	10.04	≤30.00	PASS
11AC40SISO	Ant4	5755	8.78	90.00	0.46	9.24	≤30.00	PASS
		5795	9.44	90.00	0.46	9.90	≤30.00	PASS
11AC80SISO	Ant4	5775	8.79	85.71	0.67	9.46	≤30.00	PASS

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

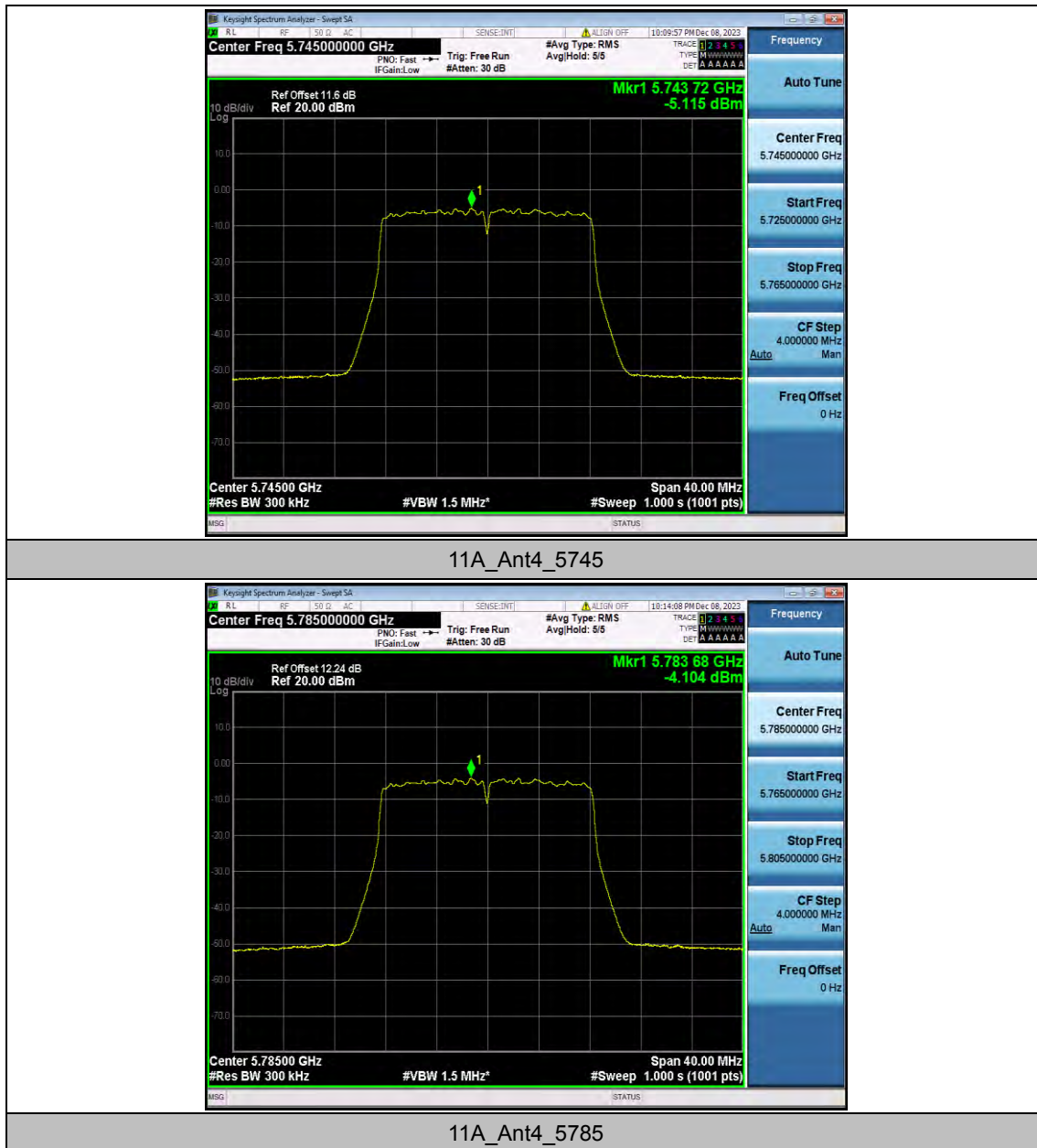
Appendix E.5: Maximum power spectral density

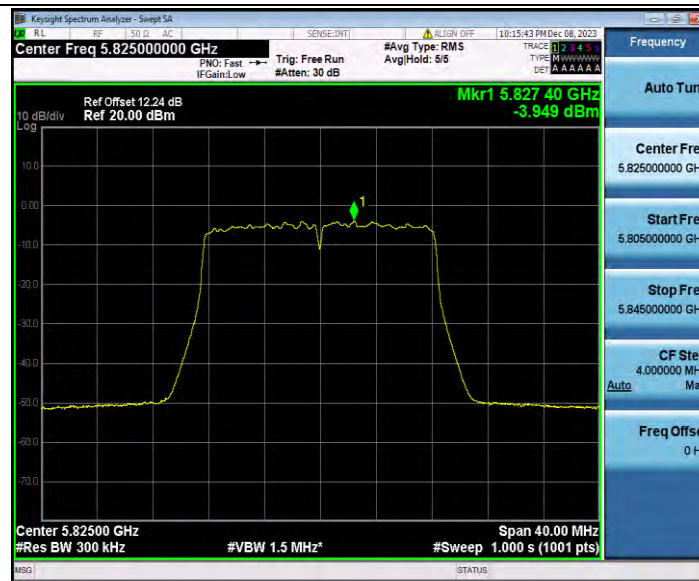
Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant4	5745	-5.12	≤30.00	PASS
		5785	-4.1	≤30.00	PASS
		5825	-3.95	≤30.00	PASS
11N20SISO	Ant4	5745	-4.47	≤30.00	PASS
		5785	-3.79	≤30.00	PASS
		5825	-3.73	≤30.00	PASS
11N40SISO	Ant4	5755	-7.2	≤30.00	PASS
		5795	-6.69	≤30.00	PASS
11AC20SISO	Ant4	5745	-4.56	≤30.00	PASS
		5785	-3.78	≤30.00	PASS
		5825	-3.71	≤30.00	PASS
11AC40SISO	Ant4	5755	-6.4	≤30.00	PASS
		5795	-5.6	≤30.00	PASS
11AC80SISO	Ant4	5775	-8.73	≤30.00	PASS

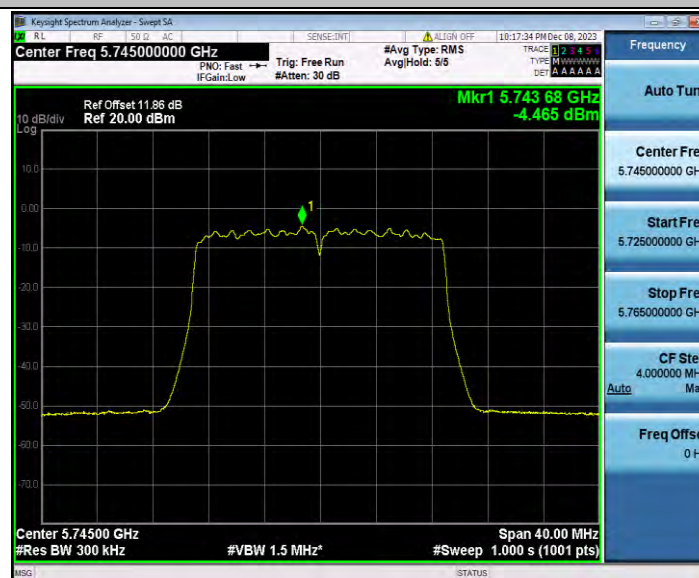
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

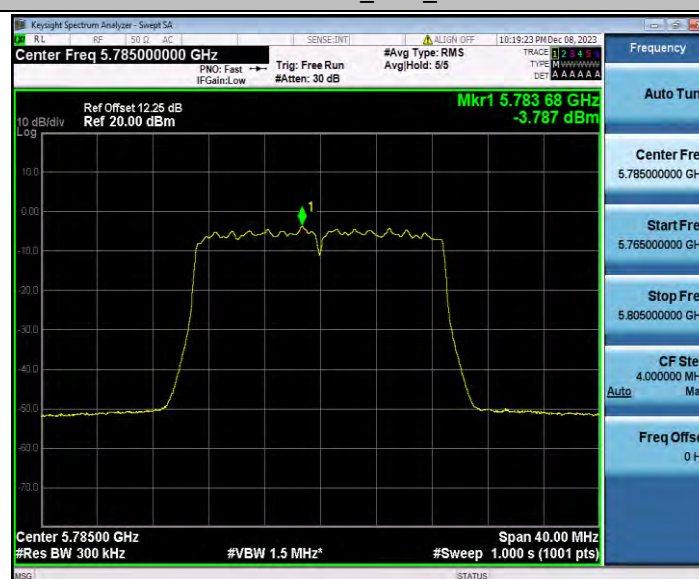




11A_Ant4_5825



11N20SISO_Ant4_5745



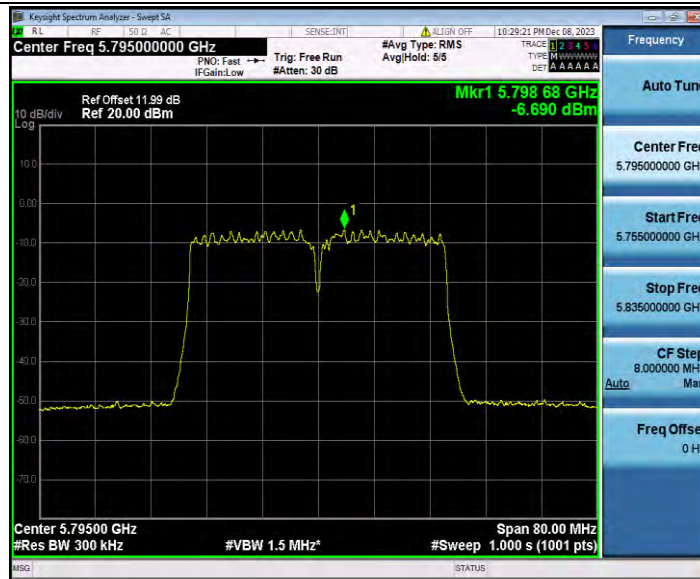
11N20SISO_Ant4_5785



11N20SISO_Ant4_5825



11N40SISO_Ant4_5755



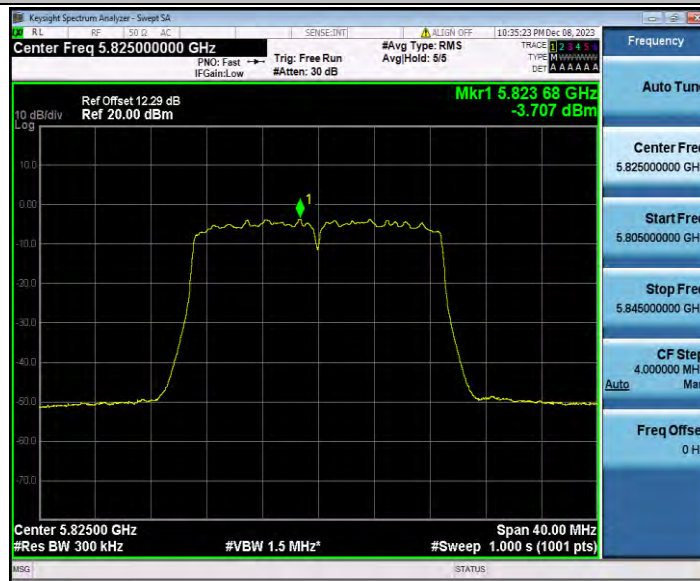
11N40SISO_Ant4_5795



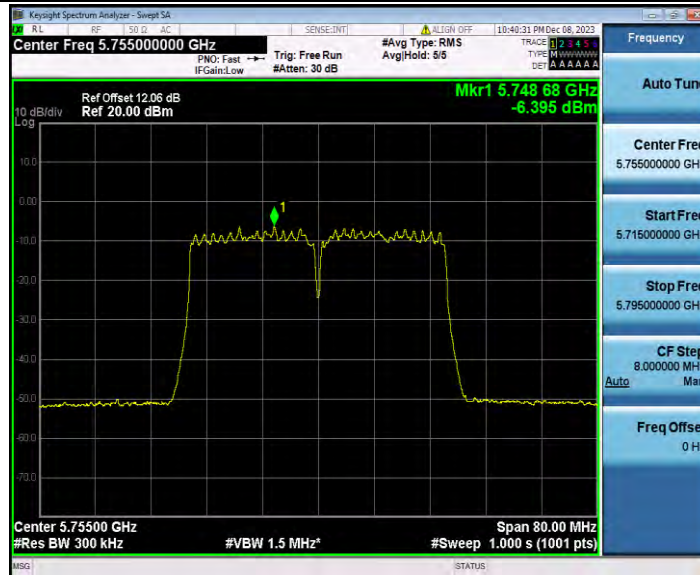
11AC20SISO_Ant4_5745



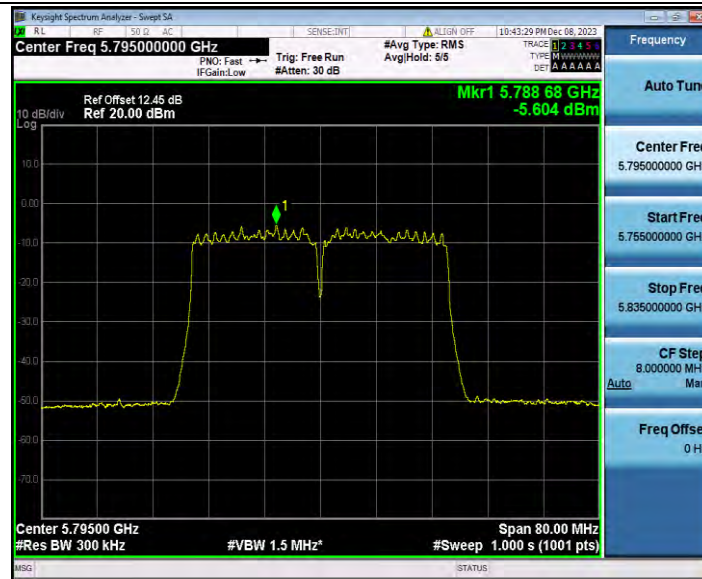
11AC20SISO_Ant4_5785



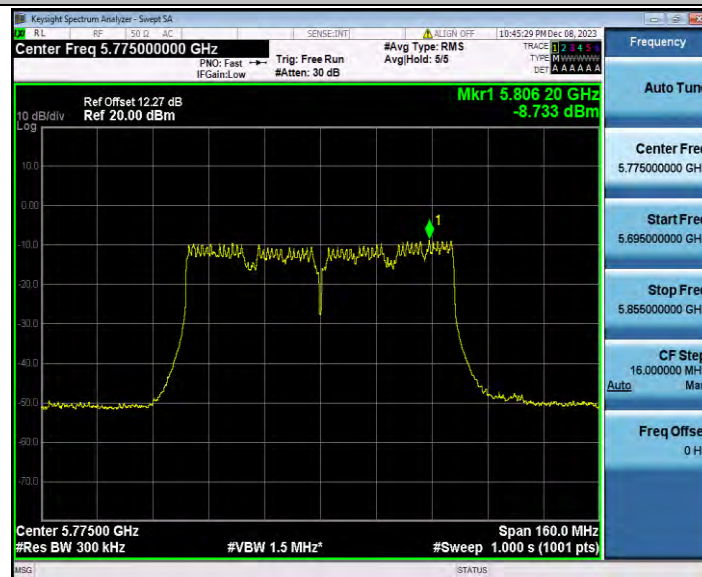
11AC20SISO_Ant4_5825



11AC40SISO_Ant4_5755



11AC40SISO_Ant4_5795



11AC80SISO_Ant4_5775

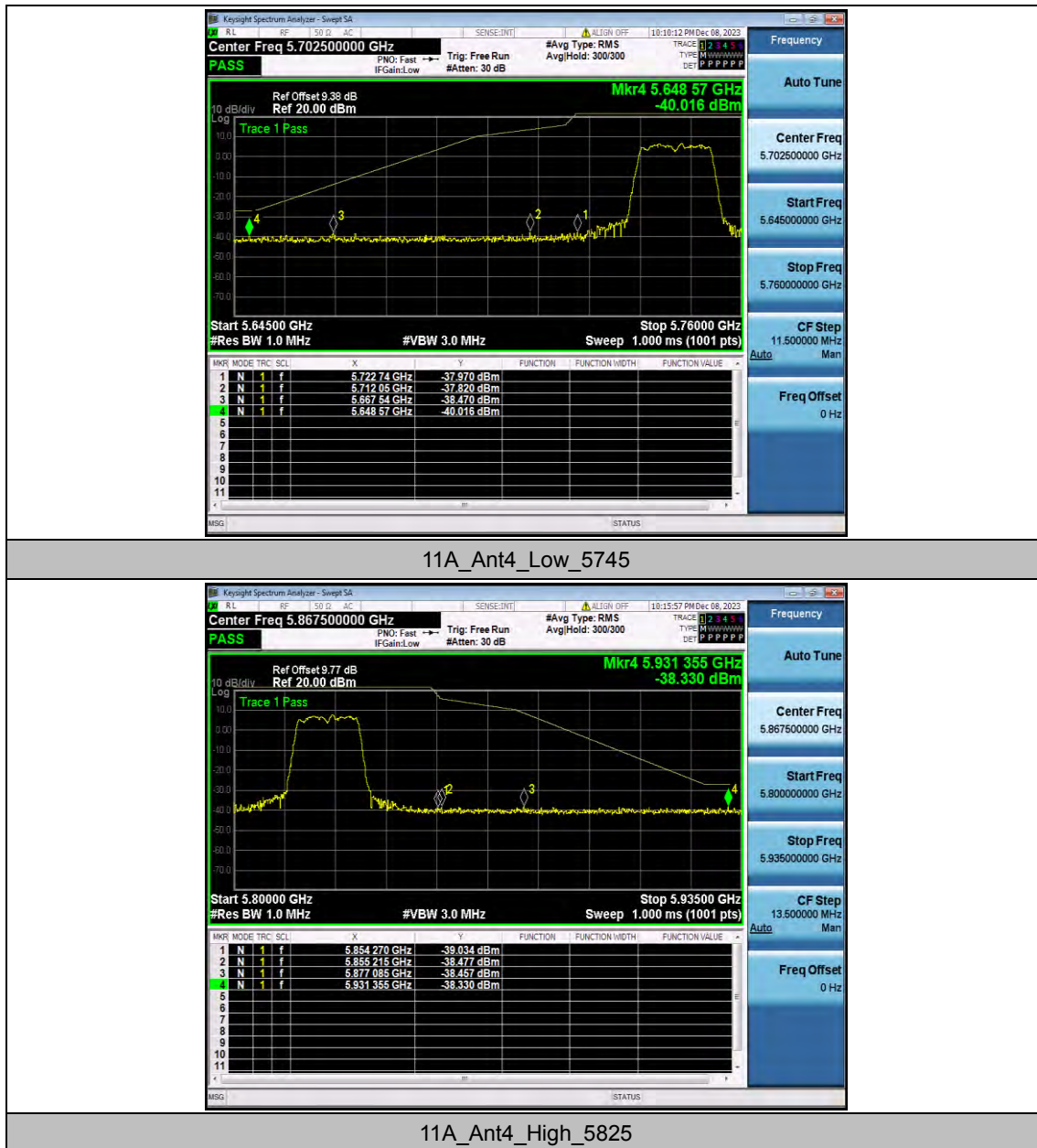
Appendix E.6: Band edge measurements

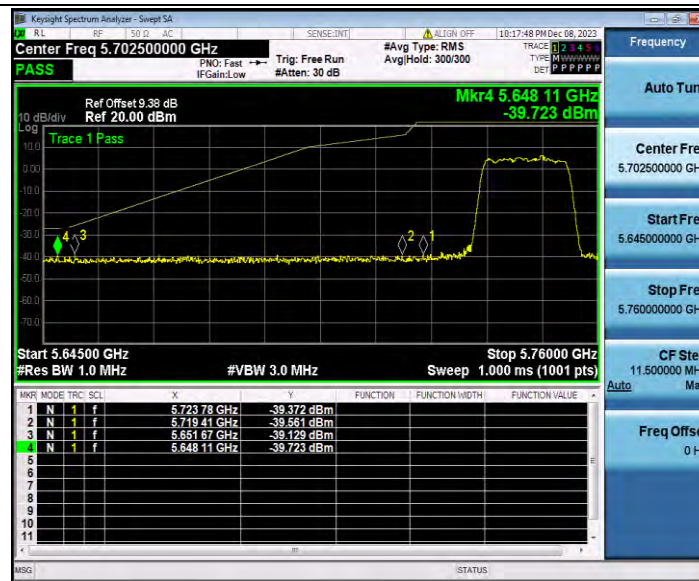
Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant4	Low	5745	5650~5700	-38.47	≤-14.02	PASS
				5700~5720	-37.82	≤13.37	PASS
				5720~5725	-37.97	≤21.85	PASS
				5760~5650	-40.02	≤-27	PASS
		High	5825	5850~5855	-39.03	≤25.34	PASS
				5855~5875	-38.48	≤10.06	PASS
				5875~5925	-38.46	≤-25.46	PASS
				5925~5935	-38.33	≤-27	PASS
11N20SISO	Ant4	Low	5745	5650~5700	-39.13	≤-25.76	PASS
				5700~5720	-39.56	≤15.43	PASS
				5720~5725	-39.37	≤24.21	PASS
				5760~5650	-39.72	≤-27	PASS
		High	5825	5850~5855	-38.61	≤16.72	PASS
				5855~5875	-38.3	≤13.84	PASS
				5875~5925	-38.44	≤9.41	PASS
				5925~5935	-38.84	≤-27	PASS
11N40SISO	Ant4	Low	5755	5650~5700	-38.81	≤5.16	PASS
				5700~5720	-38.39	≤13.31	PASS
				5720~5725	-38.8	≤23.12	PASS
				5780~5650	-39.47	≤-27	PASS
		High	5795	5850~5855	-38.97	≤23.18	PASS
				5855~5875	-38.39	≤10.59	PASS
				5875~5925	-38.7	≤-6.78	PASS
				5925~5935	-38.59	≤-27	PASS
11AC20SISO	Ant4	Low	5745	5650~5700	-39.53	≤-9.60	PASS
				5700~5720	-39.39	≤13.28	PASS
				5720~5725	-39.82	≤15.82	PASS
				5760~5650	-40.76	≤-27	PASS
		High	5825	5850~5855	-37.02	≤18.56	PASS
				5855~5875	-38.64	≤10.02	PASS
				5875~5925	-37.9	≤-6.88	PASS
				5925~5935	-38.63	≤-27	PASS
11AC40SISO	Ant4	Low	5755	5650~5700	-38.91	≤-11.02	PASS
				5700~5720	-37	≤14.67	PASS
				5720~5725	-35.54	≤25.59	PASS

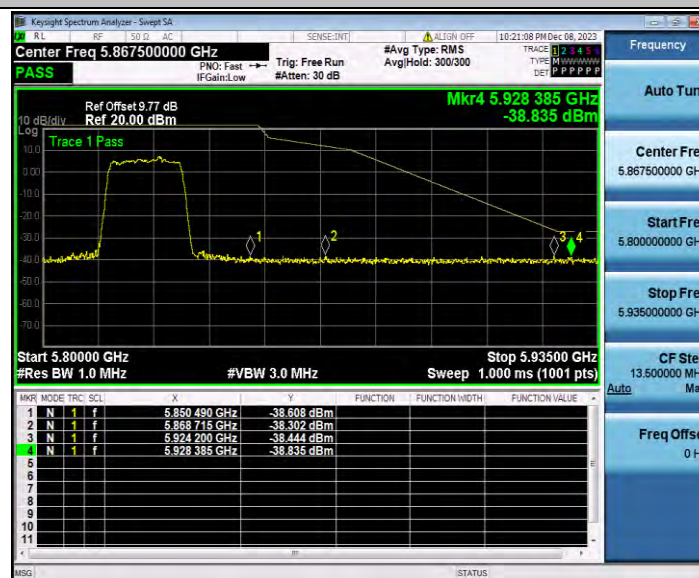
		High	5795	5780~5650	-40.48	≤ -27	PASS
				5850~5855	-39.06	≤ 16.79	PASS
				5855~5875	-38.45	≤ 14.94	PASS
				5875~5925	-38.31	≤ -0.67	PASS
				5925~5935	-38.96	≤ -27	PASS
11AC80SI SO	Ant4	Low	5775	5650~5700	-33.41	≤ -3.06	PASS
				5700~5720	-35.96	≤ 11.79	PASS
				5720~5725	-37.36	≤ 18.83	PASS
				5800~5650	-40.26	≤ -27	PASS
		High	5775	5850~5855	-37.12	≤ 18.32	PASS
				5855~5875	-37.19	≤ 14.32	PASS
				5875~5925	-38.51	≤ -26.54	PASS
				5925~5935	-39.4	≤ -27	PASS

Test Graphs B4

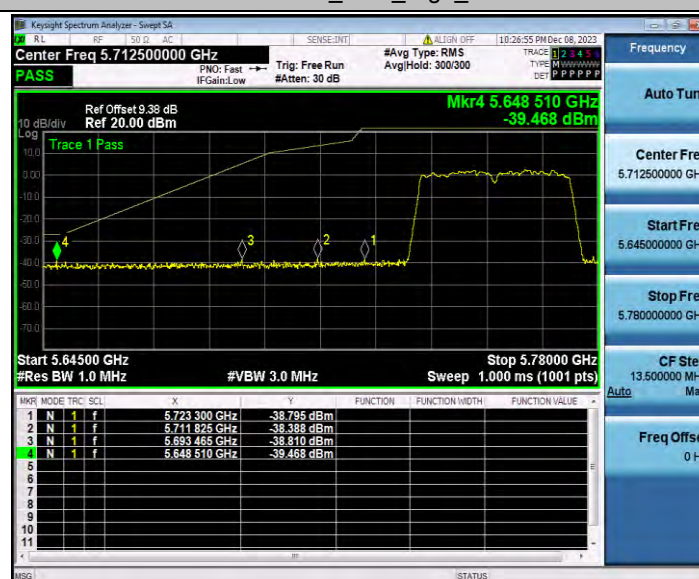




11N20SISO_Ant4_Low_5745



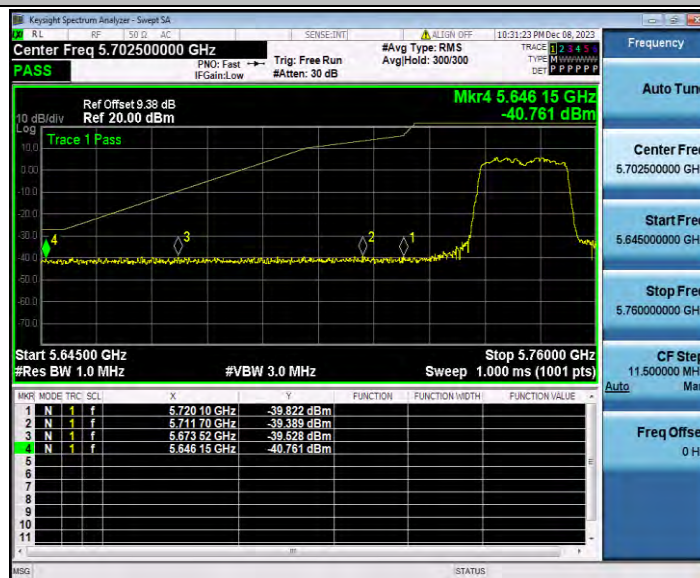
11N20SISO_Ant4_High_5825



11N40SISO_Ant4_Low_5755



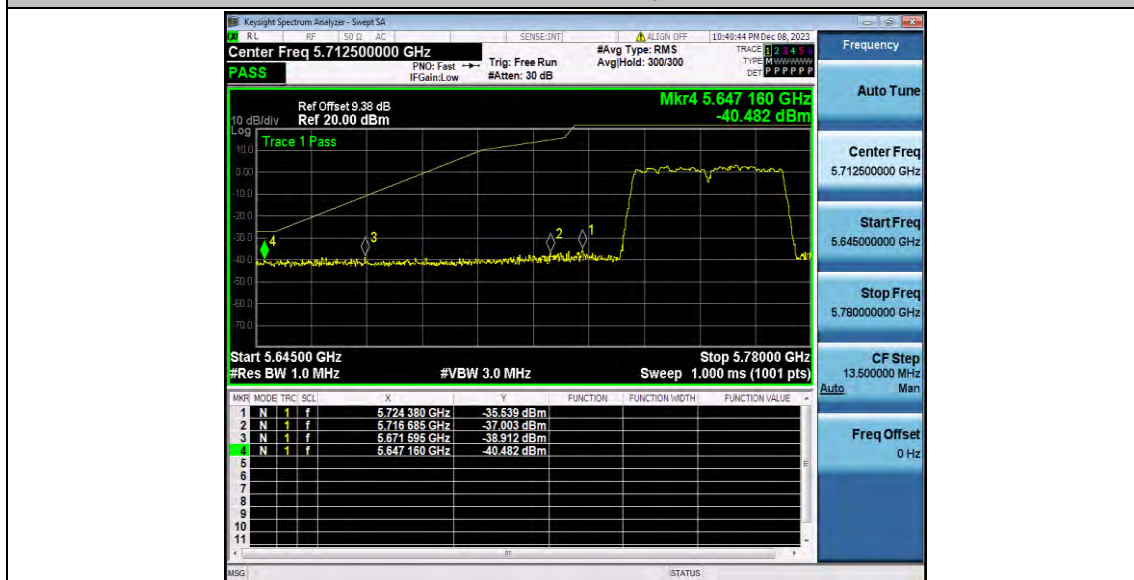
11N40SISO_Ant4_High_5795



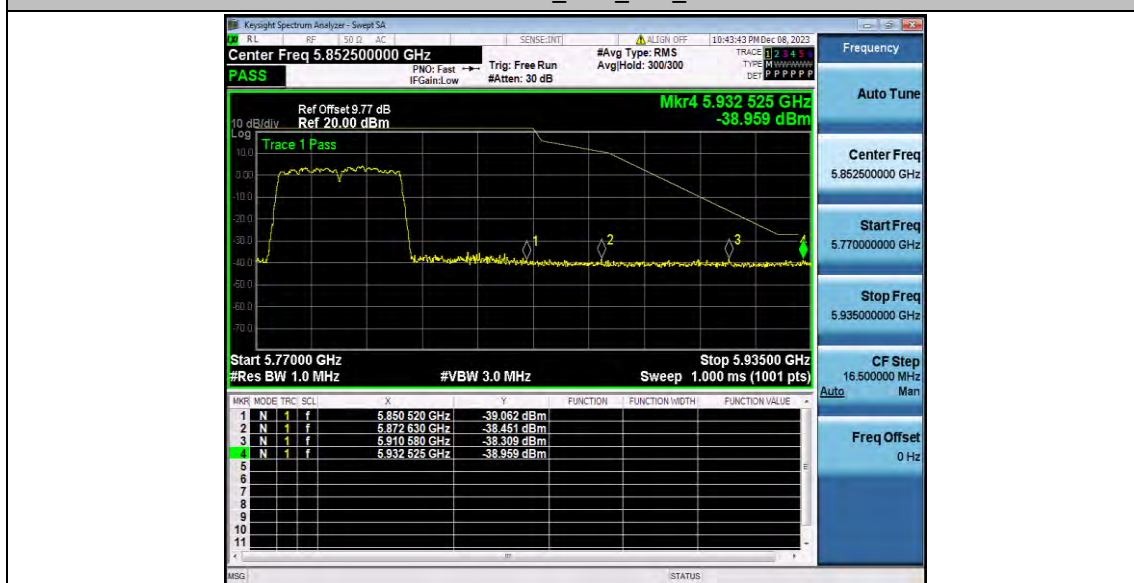
11AC20SISO_Ant4_Low_5745



11AC20SISO_Ant4_High_5825



11AC40SISO_Ant4_Low_5755



11AC40SISO_Ant4_High_5795



11AC80SISO_Ant4_Low_5775



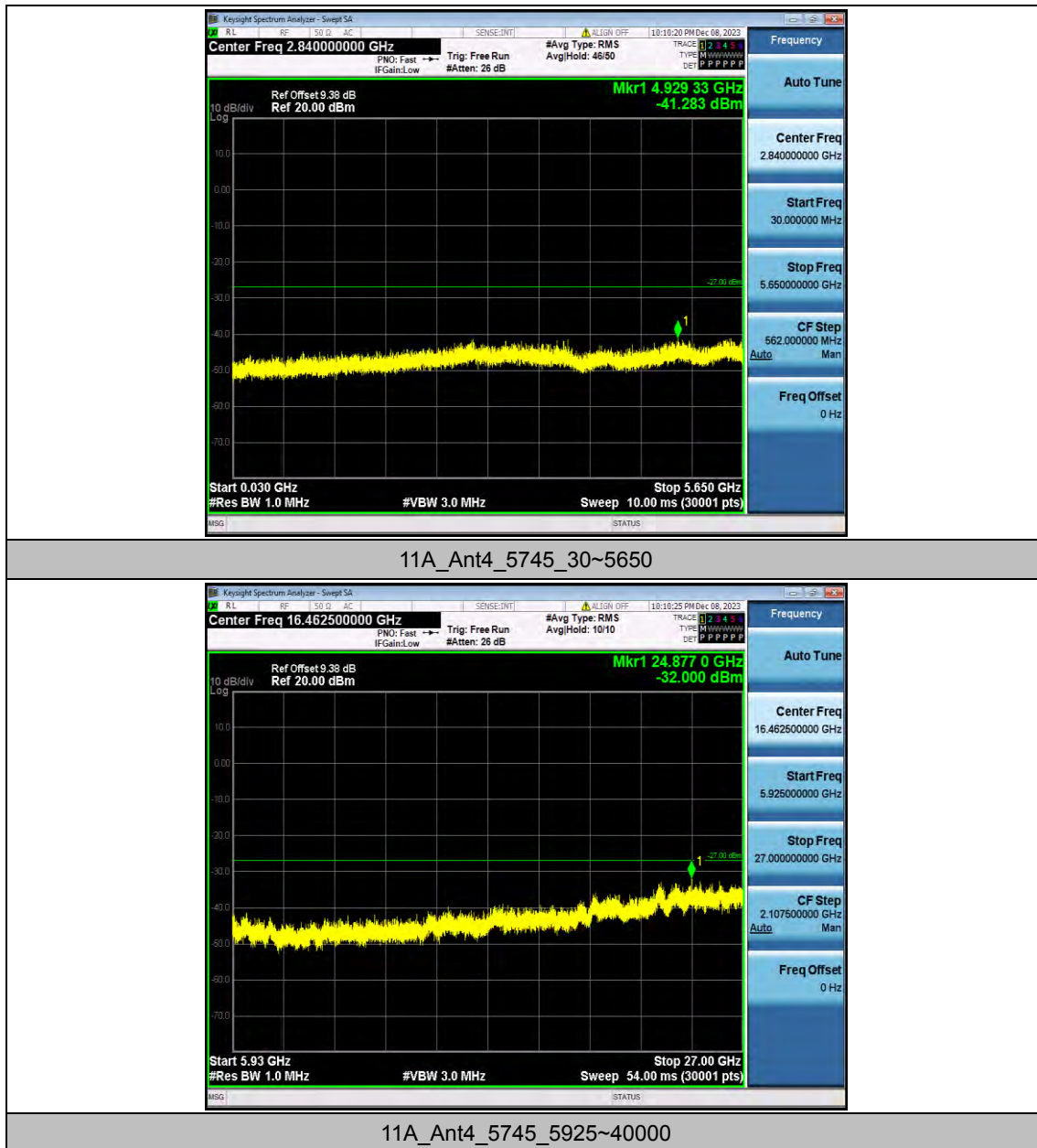
11AC80SISO_Ant4_High_5775

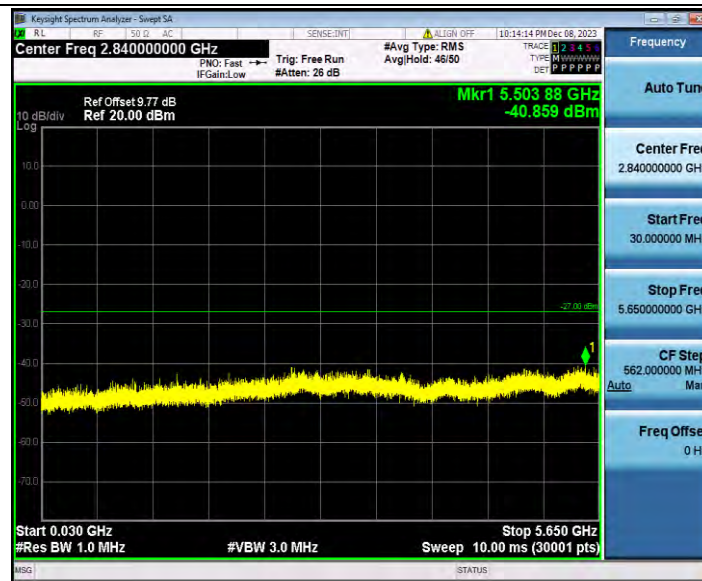
Appendix E.7: Conducted Spurious Emission

Test Result

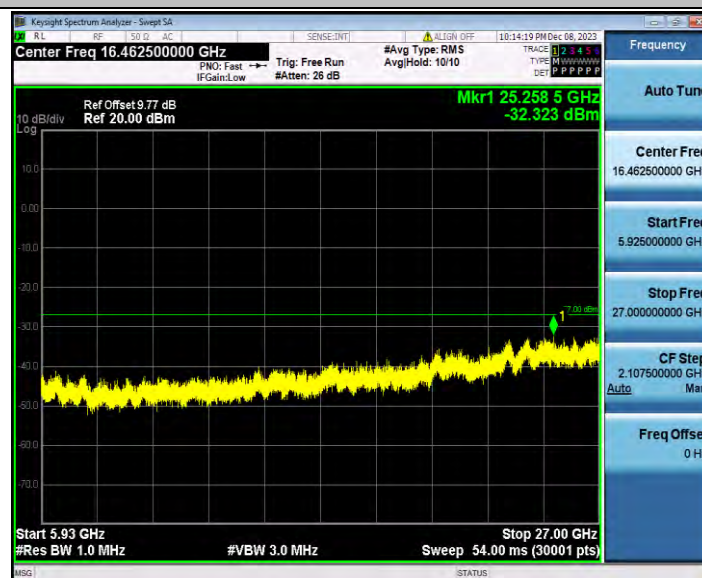
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant4	5745	30~5650	4929.33	-41.28	≤-27	PASS
			5925~40000	24877.05	-32	≤-27	PASS
		5785	30~5650	5503.88	-40.86	≤-27	PASS
			5925~40000	25258.5	-32.32	≤-27	PASS
		5825	30~5650	5508.19	-39.5	≤-27	PASS
			5925~40000	25657.52	-32.13	≤-27	PASS
11N20SISO	Ant4	5745	30~5650	5419.95	-40.65	≤-27	PASS
			5925~40000	23585.85	-32.63	≤-27	PASS
		5785	30~5650	5528.61	-40.67	≤-27	PASS
			5925~40000	25098.33	-31.93	≤-27	PASS
		5825	30~5650	4944.88	-40.69	≤-27	PASS
			5925~40000	24253.23	-32.34	≤-27	PASS
11N40SISO	Ant4	5755	30~5650	5612.16	-40.84	≤-27	PASS
			5925~40000	25631.53	-32.31	≤-27	PASS
		5795	30~5650	5432.88	-40.99	≤-27	PASS
			5925~40000	26890.41	-32.45	≤-27	PASS
11AC20SISO	Ant4	5745	30~5650	5536.29	-40.5	≤-27	PASS
			5925~40000	26506.14	-32.55	≤-27	PASS
		5785	30~5650	2669.9	-39.79	≤-27	PASS
			5925~40000	24213.18	-31.85	≤-27	PASS
		5825	30~5650	5511.56	-39.52	≤-27	PASS
			5925~40000	24268.68	-31.93	≤-27	PASS
11AC40SISO	Ant4	5755	30~5650	5478.22	-40.59	≤-27	PASS
			5925~40000	26764.66	-32.56	≤-27	PASS
		5795	30~5650	4973.35	-40.6	≤-27	PASS
			5925~40000	24325.58	-31.58	≤-27	PASS
11AC80SISO	Ant4	5775	30~5650	5636.14	-41.23	≤-27	PASS
			5925~40000	24234.26	-32.46	≤-27	PASS

Test Graphs

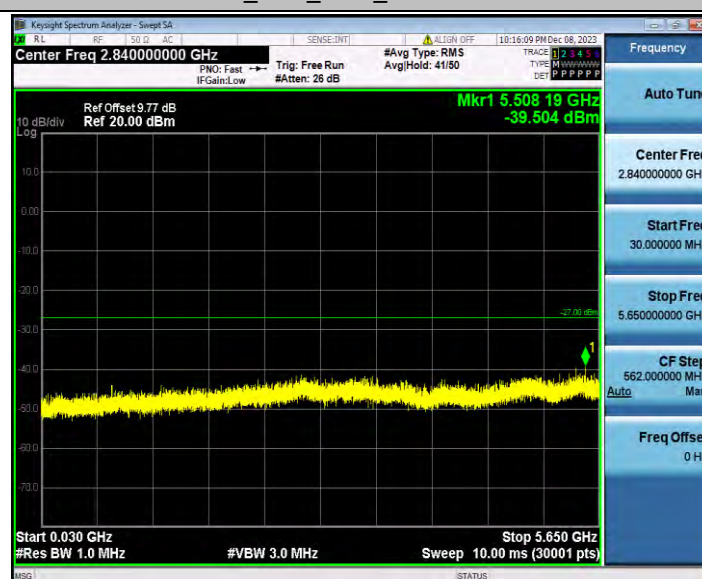




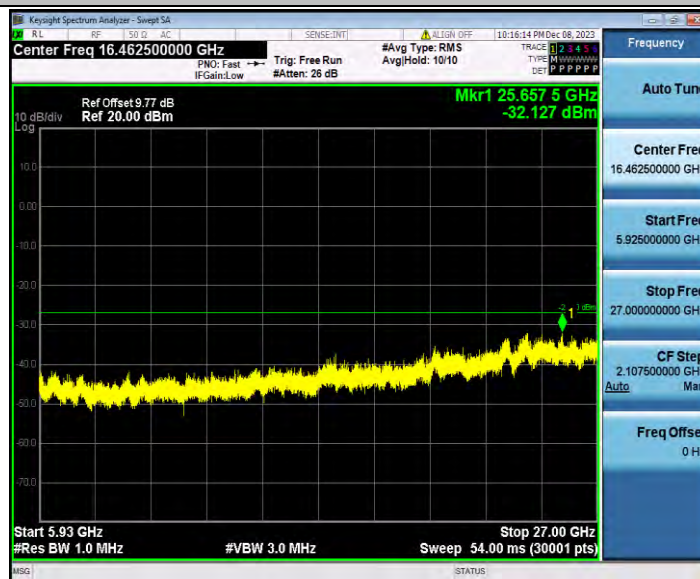
11A_Ant4_5785_30~5650



11A_Ant4_5785_5925~40000



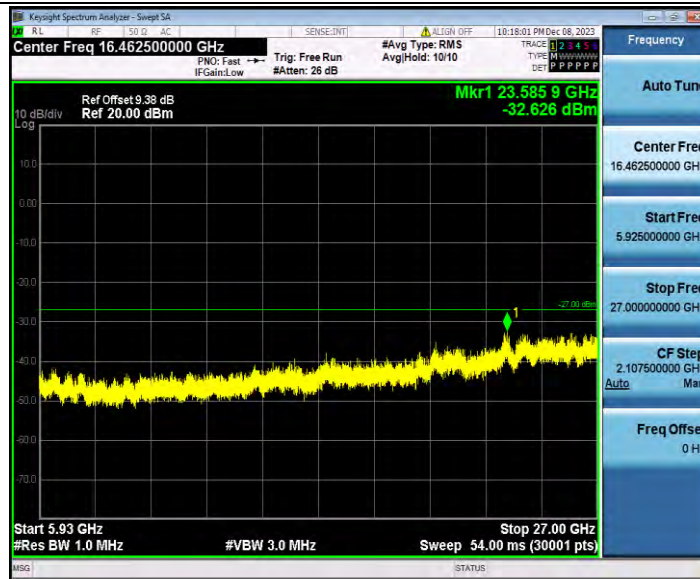
11A_Ant4_5825_30~5650



11A_Ant4_5825_5925~40000



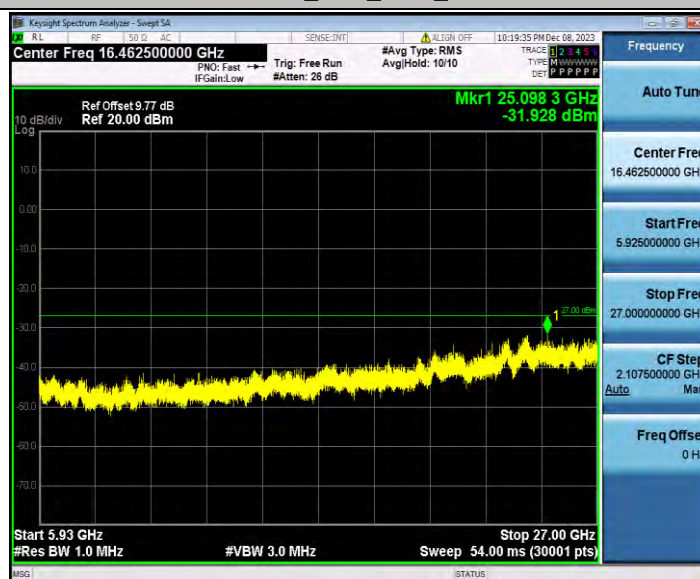
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11N20SISO_Ant4_5745_5925~40000



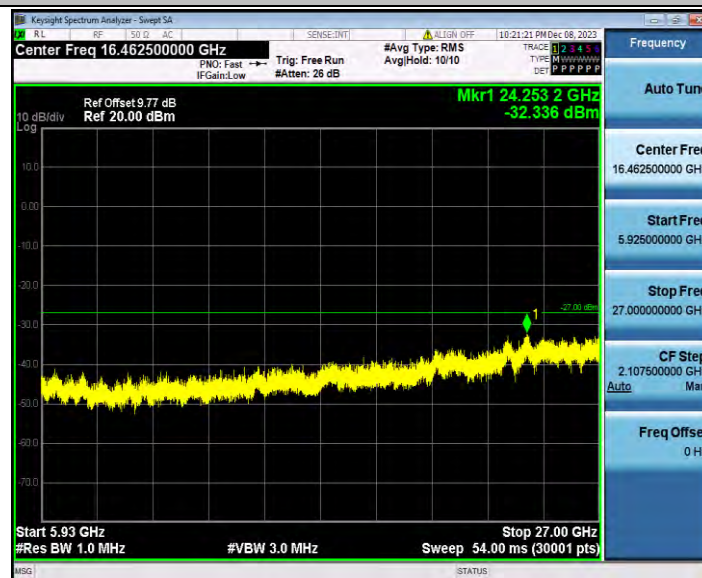
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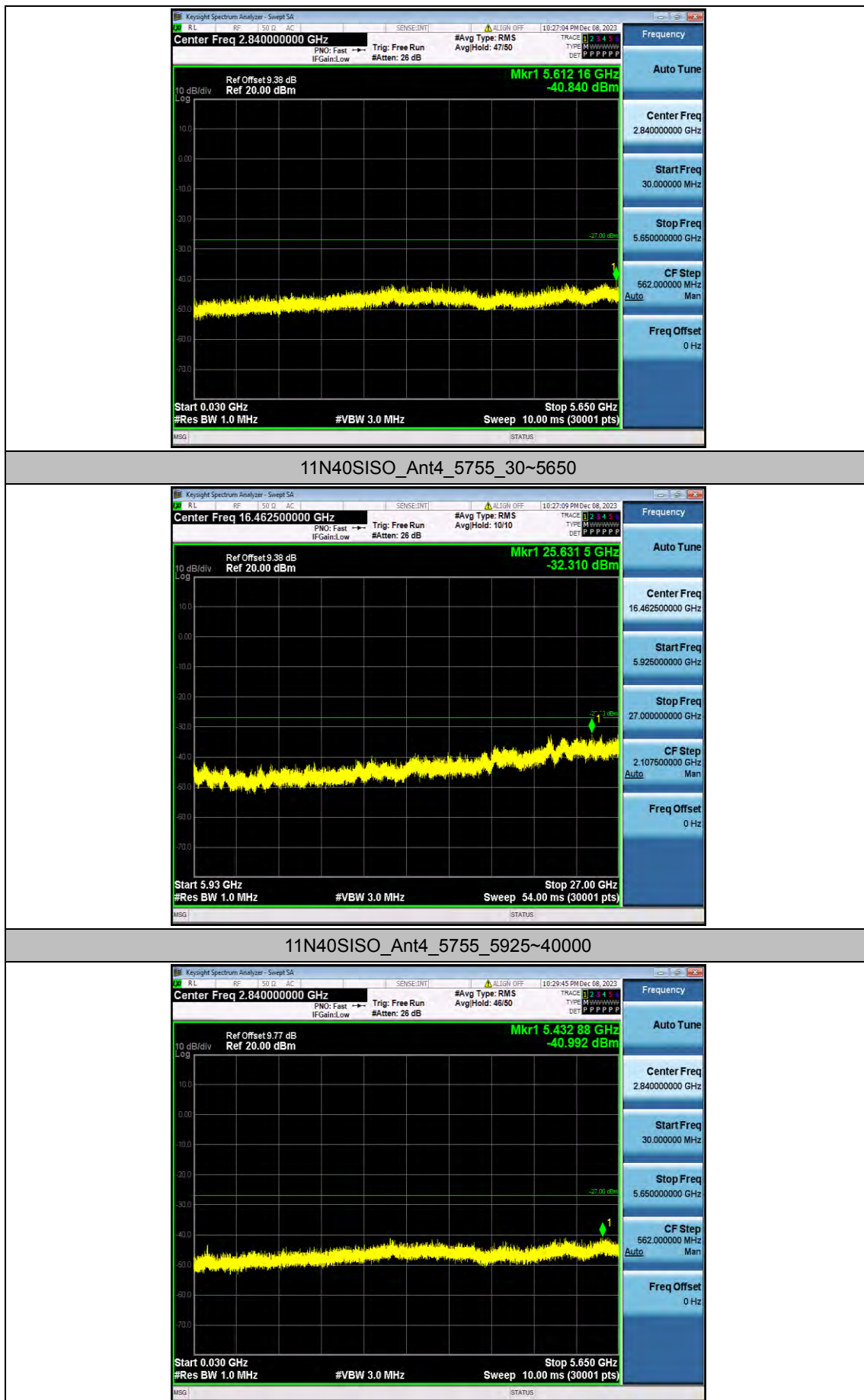
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11N20SISO_Ant4_5825_30~5650



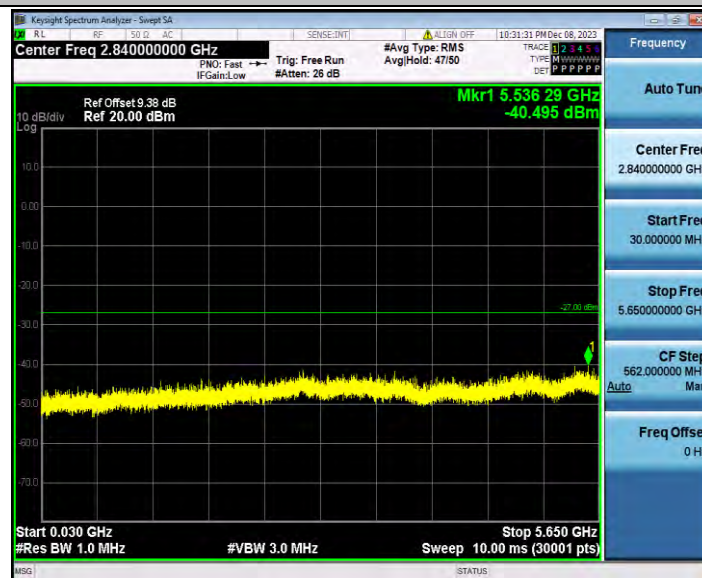
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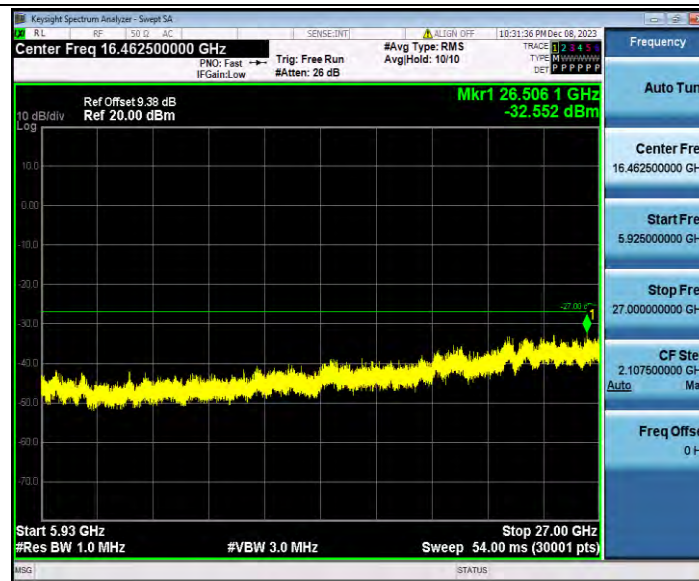
11N40SISO_Ant4_5795_30~5650



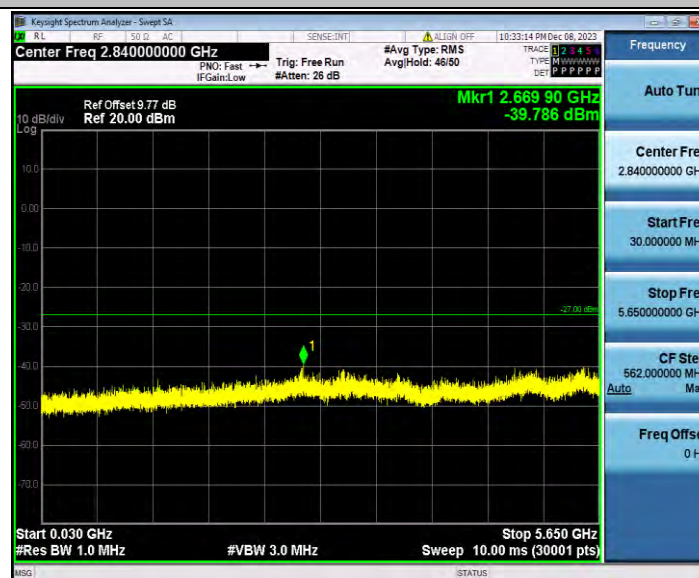
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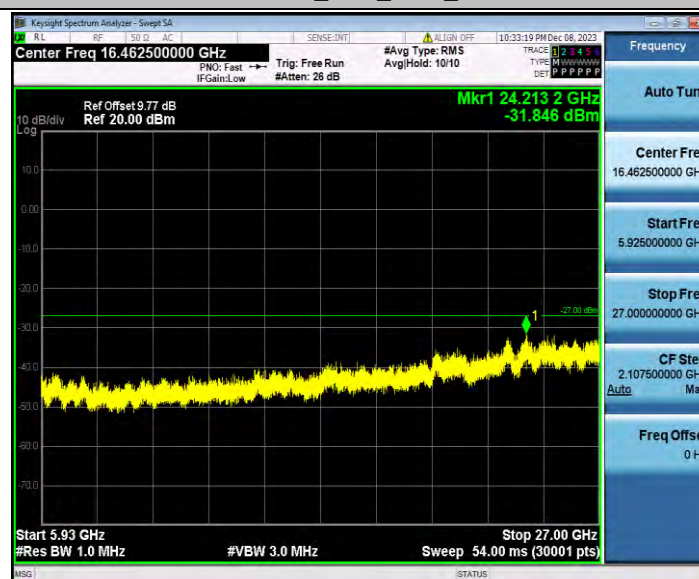
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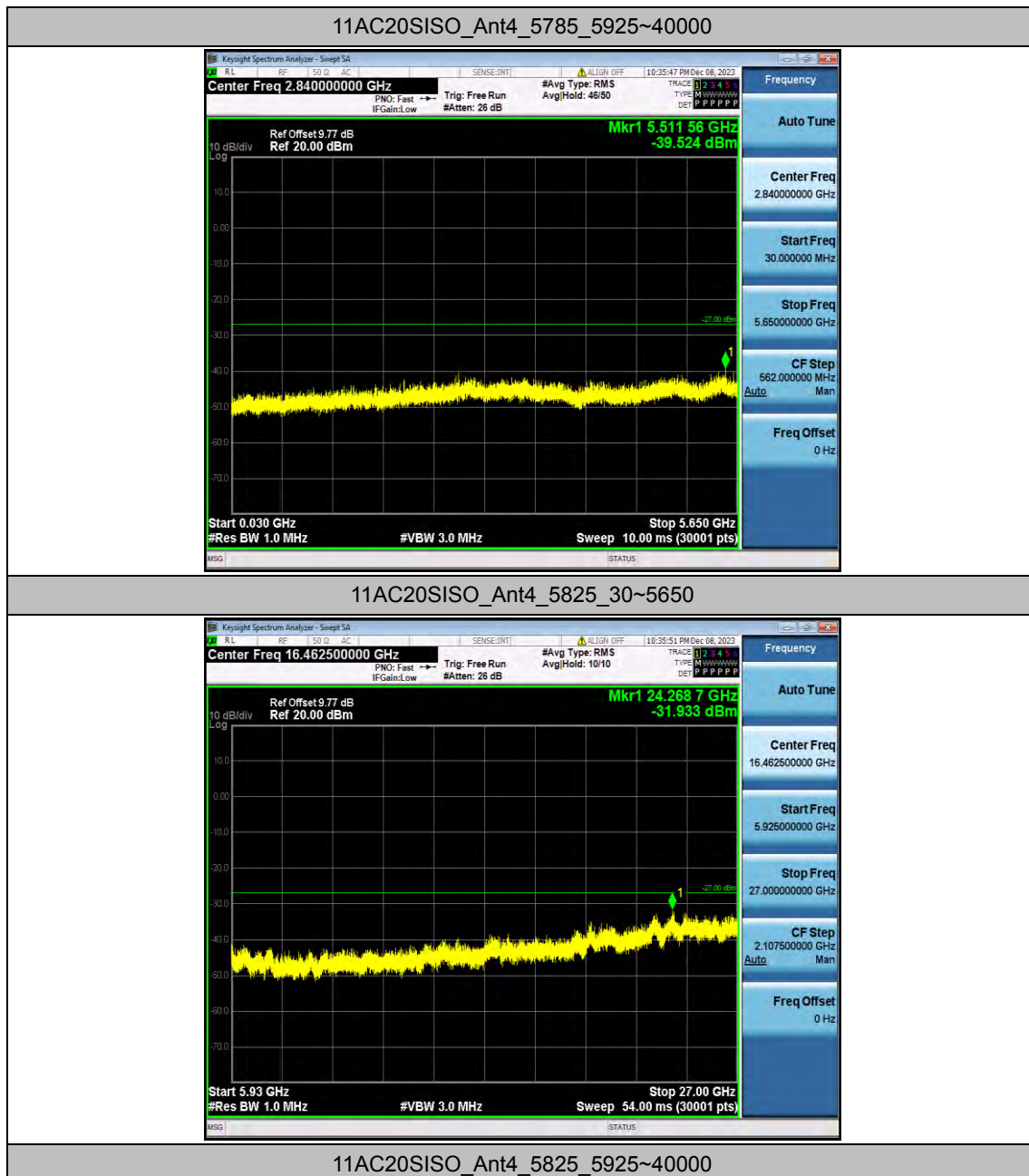


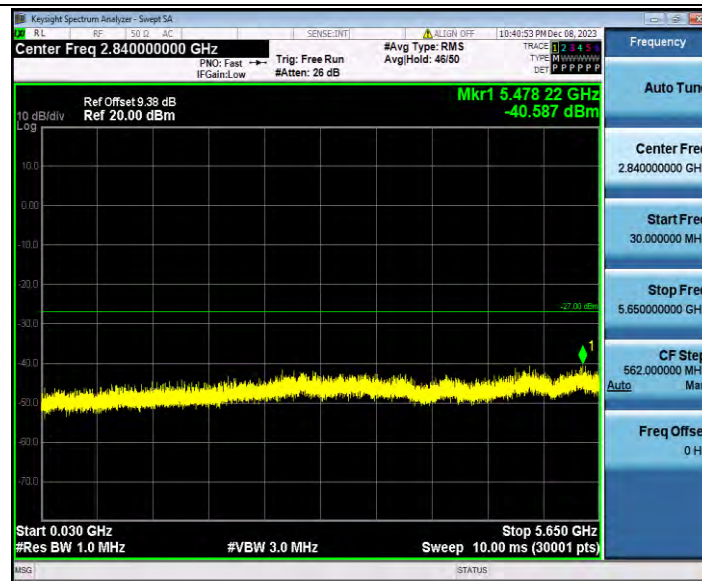
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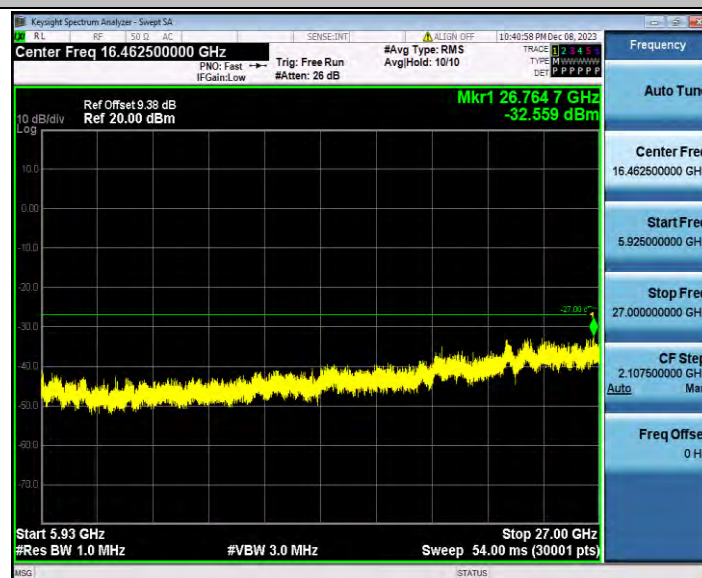
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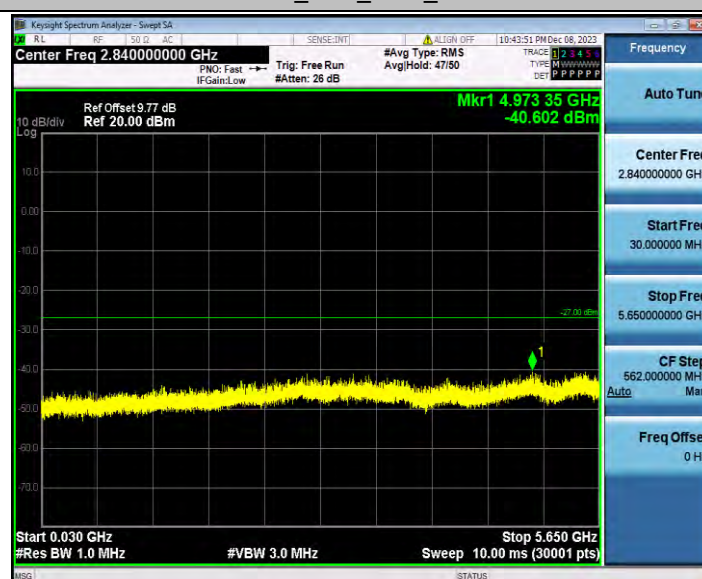




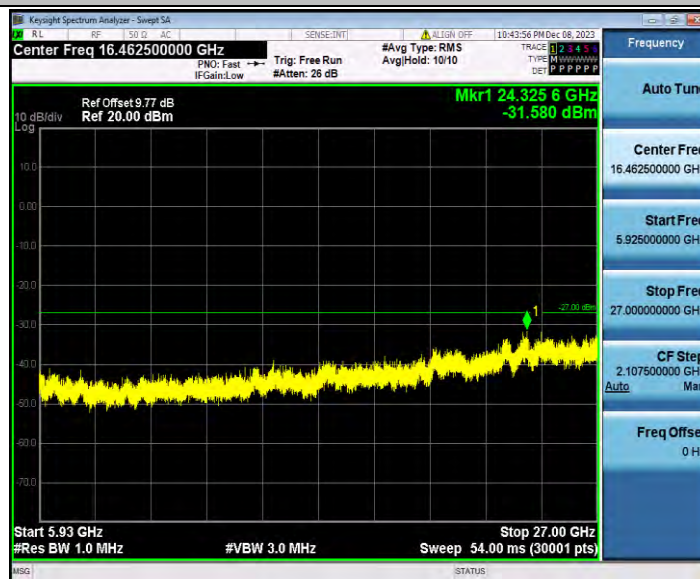
11AC40SISO_Ant4_5755_30~5650



11AC40SISO_Ant4_5755_5925~40000



11AC40SISO_Ant4_5795_30~5650



11AC40SISO_Ant4_5795_5925~40000



11AC80SISO_Ant4_5775_30~5650

