

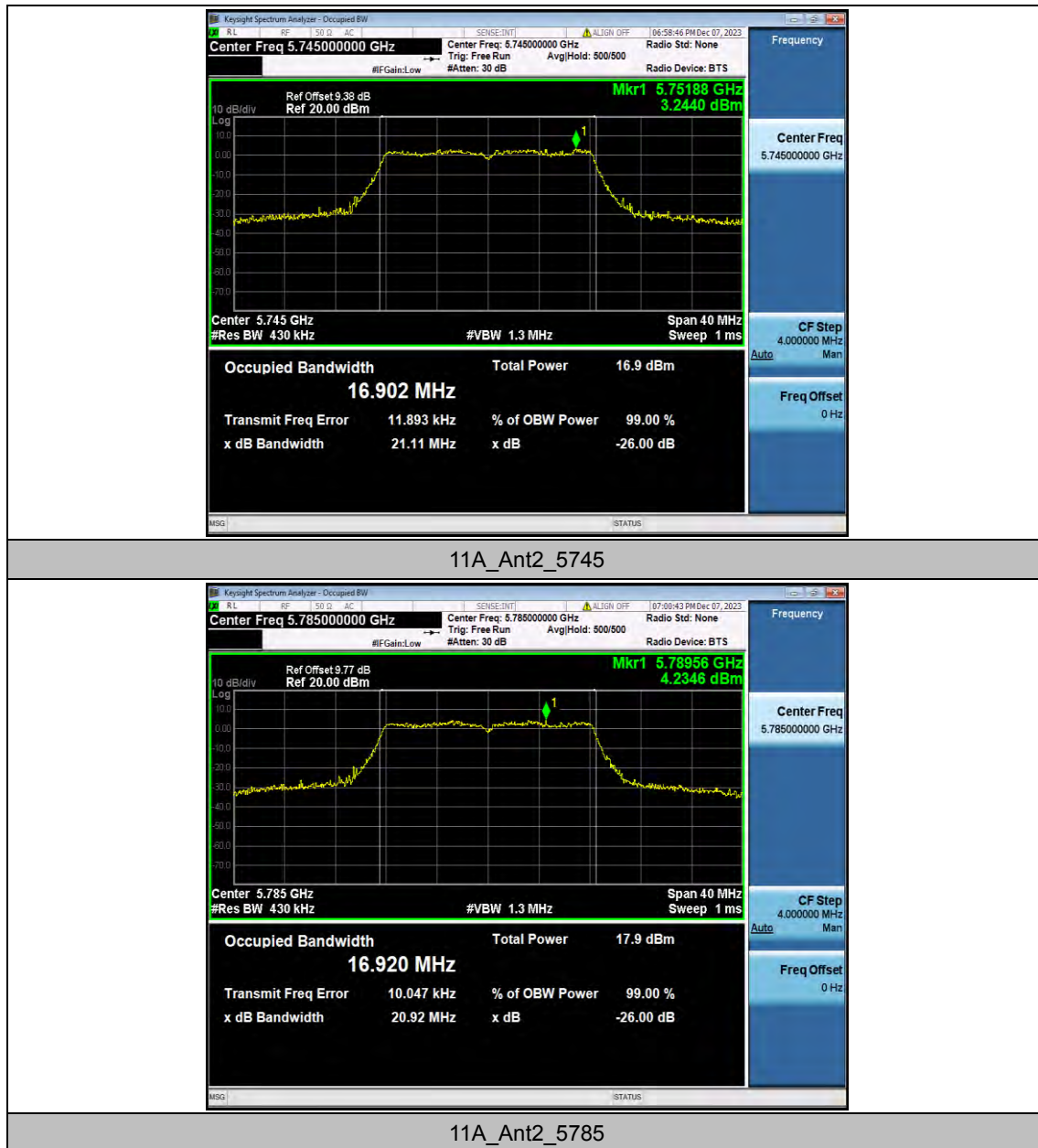
Case No. : <u>GTS20231012003-1-11</u>	
Ambient Condition: <u>23</u> °C, <u>48</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.12.7</u>	Test Engineer: <u>Evan ouyang</u>

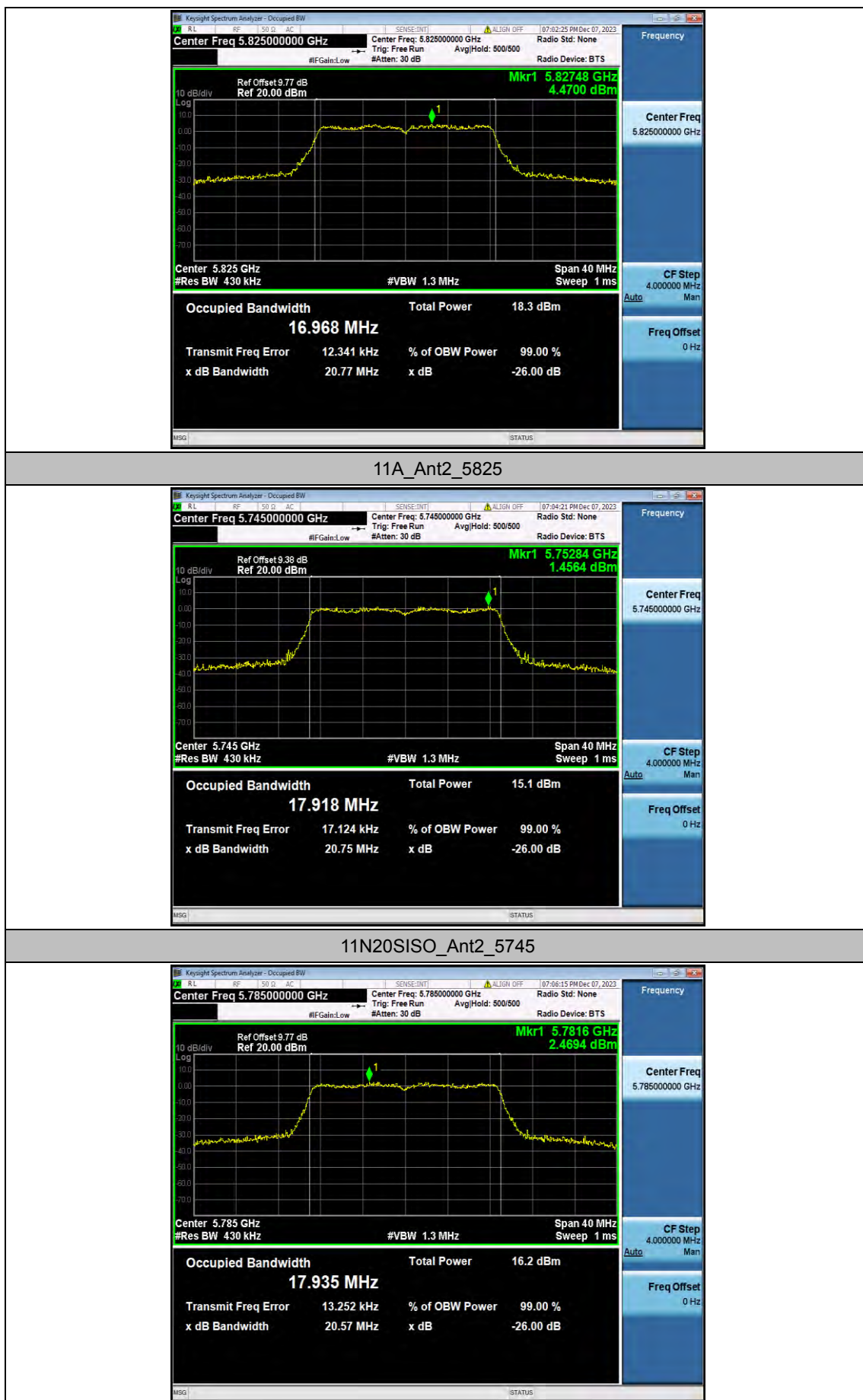
Appendix E.1: Occupied channel bandwidth

Test Result

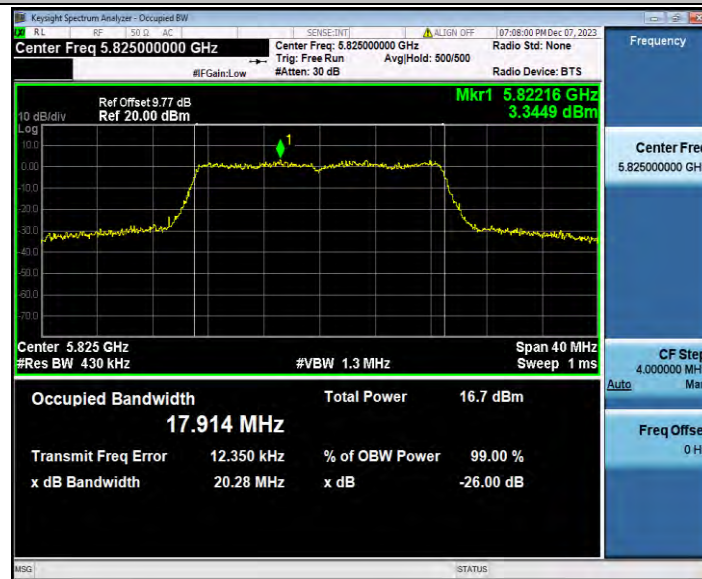
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5745	16.902	5736.561	5753.463	---	---
		5785	16.920	5776.550	5793.470	---	---
		5825	16.968	5816.528	5833.496	---	---
11N20SISO	Ant2	5745	17.918	5736.058	5753.976	---	---
		5785	17.935	5776.046	5793.981	---	---
		5825	17.914	5816.055	5833.969	---	---
11N40SISO	Ant2	5755	36.481	5736.807	5773.288	---	---
		5795	36.505	5776.787	5813.292	---	---
11AC20SISO	Ant2	5745	17.896	5736.078	5753.974	---	---
		5785	17.867	5776.102	5793.969	---	---
		5825	17.902	5816.094	5833.996	---	---
11AC40SISO	Ant2	5755	36.283	5736.821	5773.104	---	---
		5795	36.572	5776.713	5813.285	---	---
11AC80SISO	Ant2	5775	76.494	5736.918	5813.412	---	---

Test Graphs

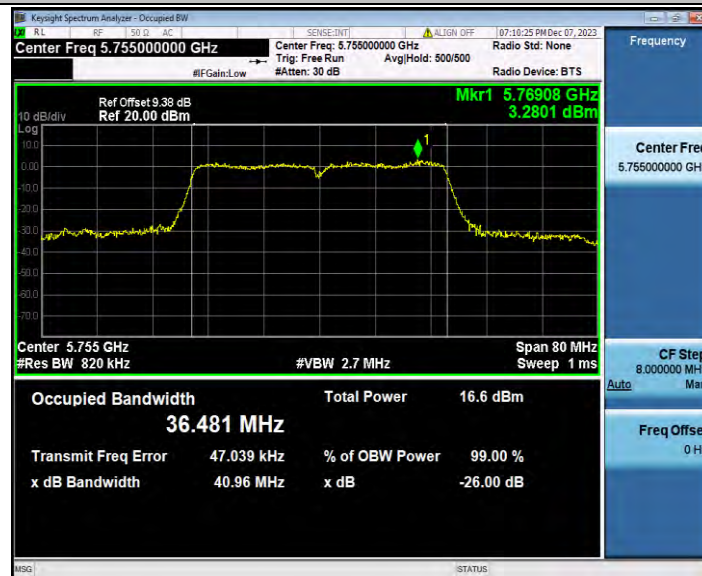




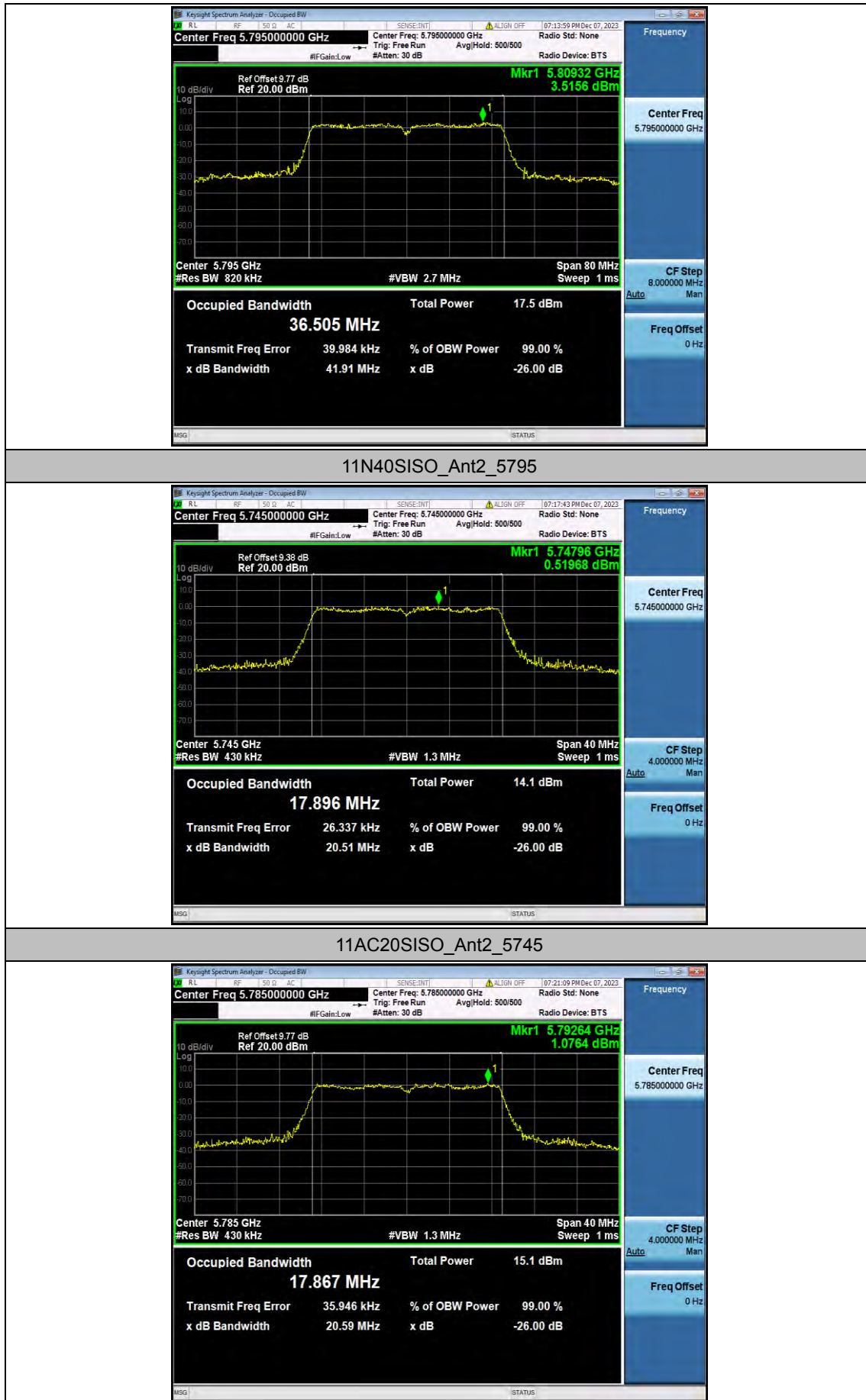
11N20SISO_Ant2_5785



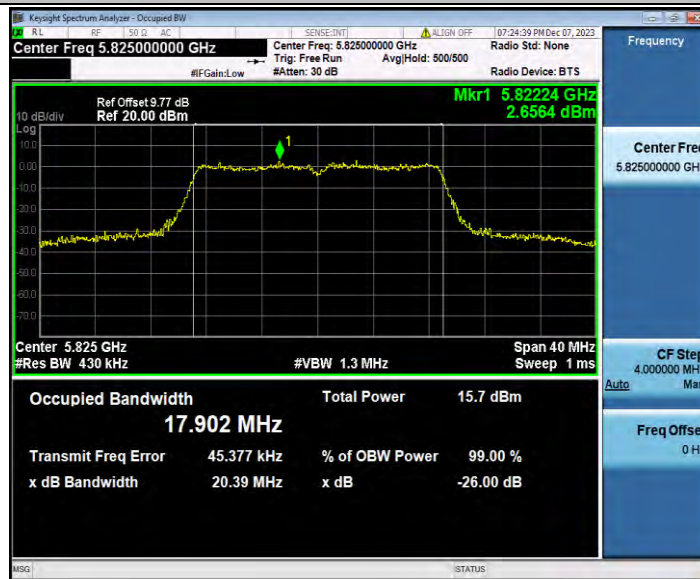
11N20SISO_Ant2_5825



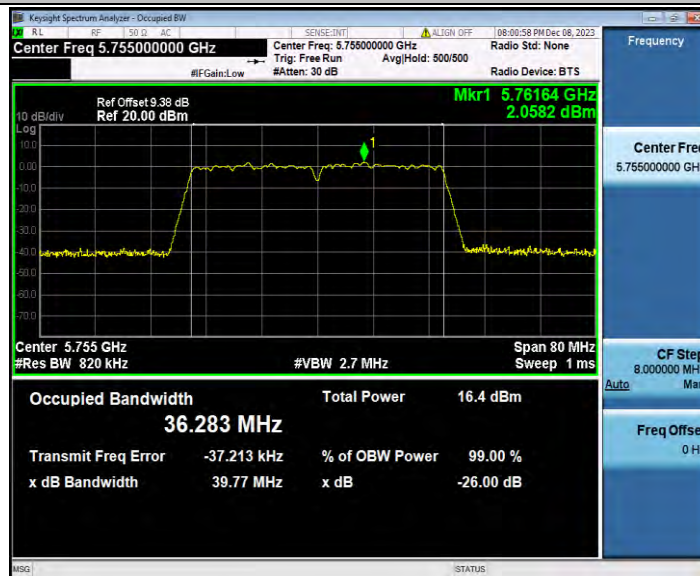
11N40SISO_Ant2_5755



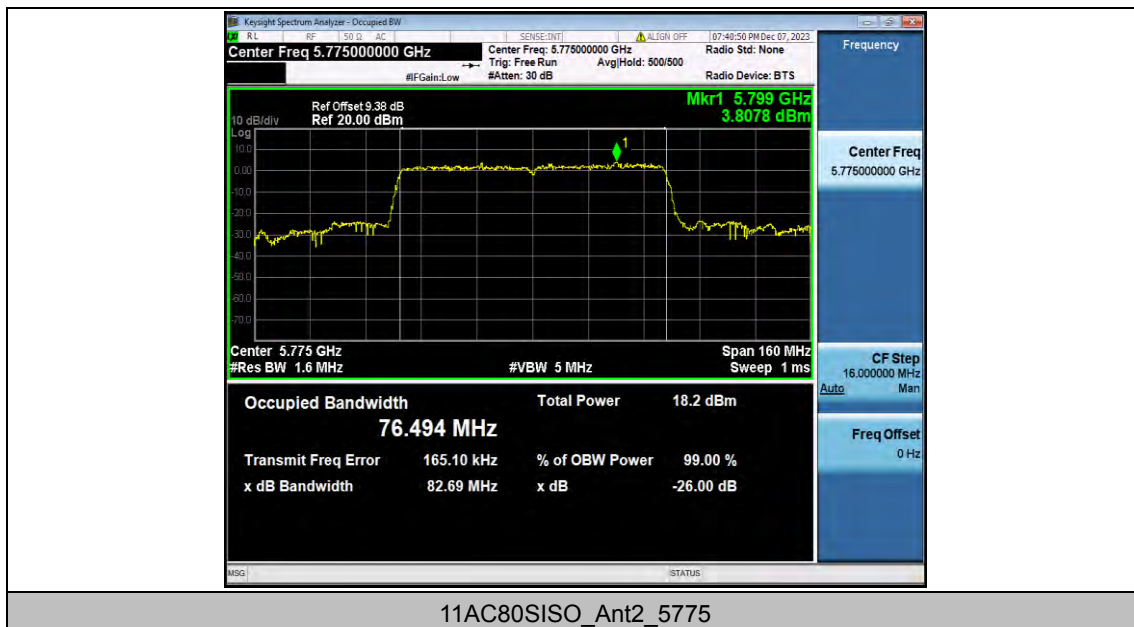
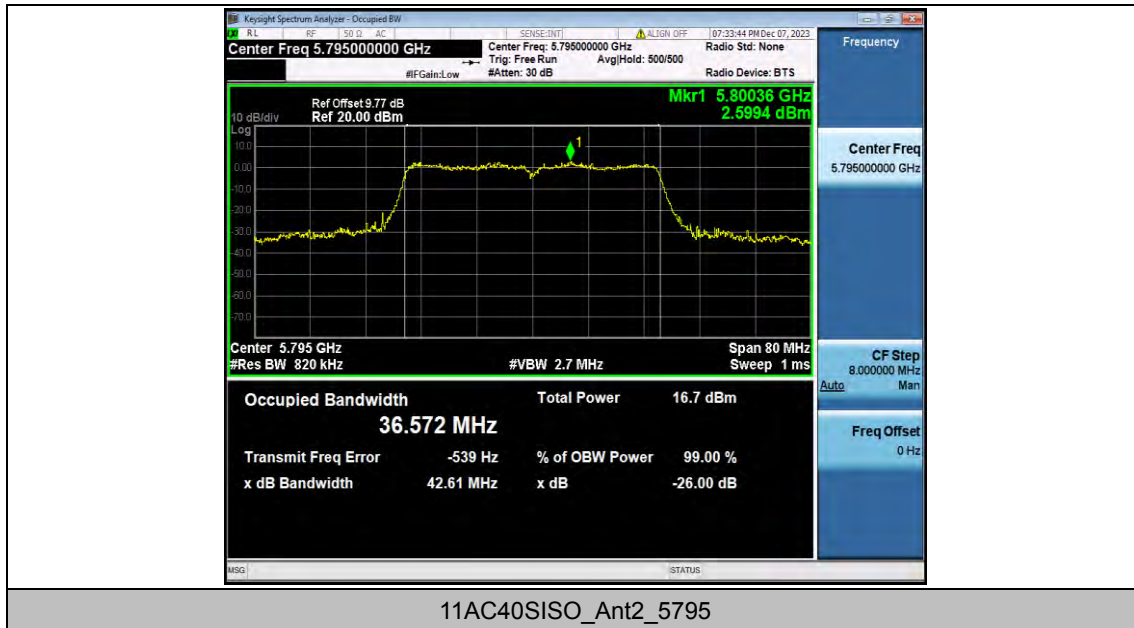
11AC20SISO_Ant2_5785



11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755

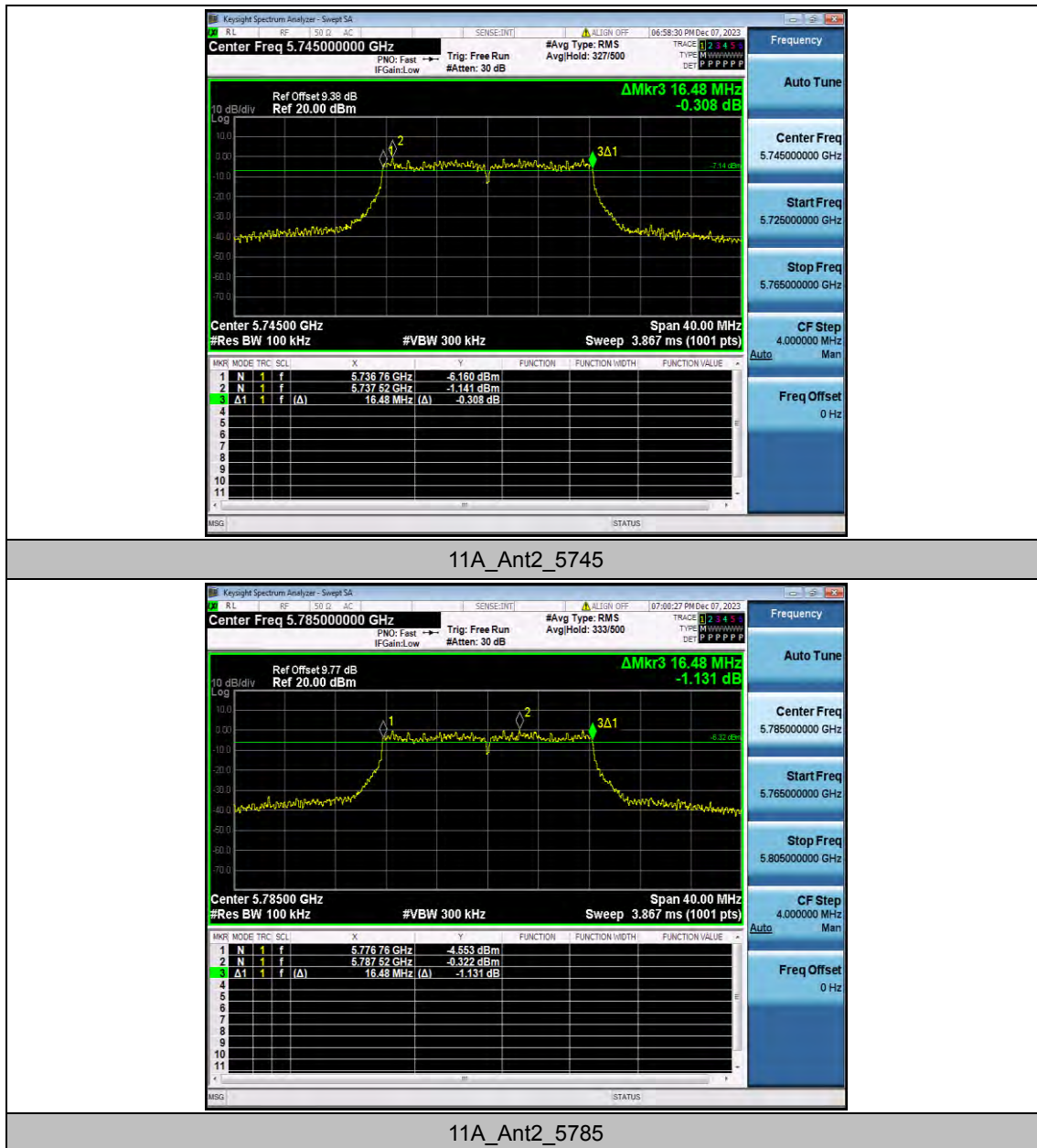


Appendix E.2: Min emission bandwidth

Test Result B4

Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5745	16.480	5736.760	5753.240	0.5	PASS
		5785	16.480	5776.760	5793.240	0.5	PASS
		5825	16.480	5816.760	5833.240	0.5	PASS
11N20SISO	Ant2	5745	17.680	5736.160	5753.840	0.5	PASS
		5785	17.680	5776.160	5793.840	0.5	PASS
		5825	17.680	5816.160	5833.840	0.5	PASS
11N40SISO	Ant2	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.400	5776.840	5813.240	0.5	PASS
11AC20SISO	Ant2	5745	17.680	5736.160	5753.840	0.5	PASS
		5785	17.720	5776.160	5793.880	0.5	PASS
		5825	17.720	5816.160	5833.880	0.5	PASS
11AC40SISO	Ant2	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC80SISO	Ant2	5775	76.320	5736.920	5813.240	0.5	PASS

Test Graphs B4

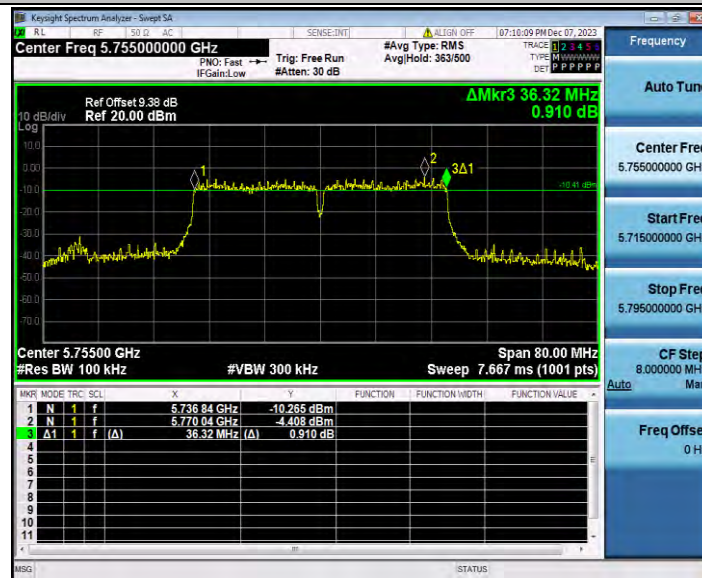




11N20SISO_Ant2_5785



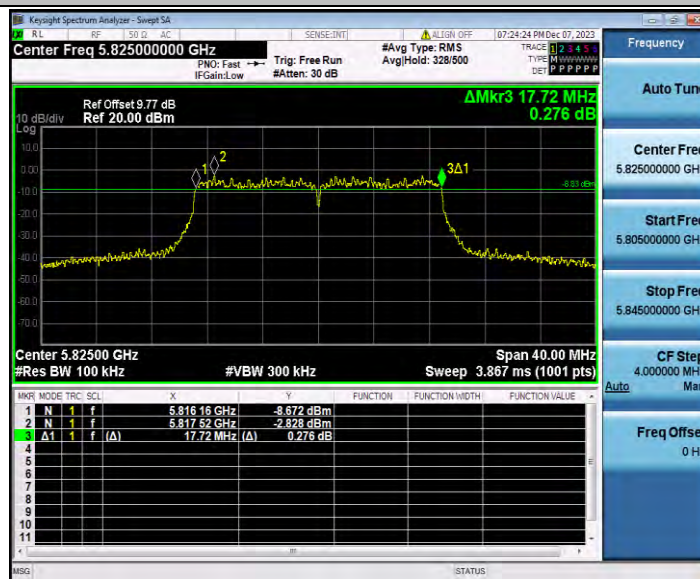
11N20SISO_Ant2_5825



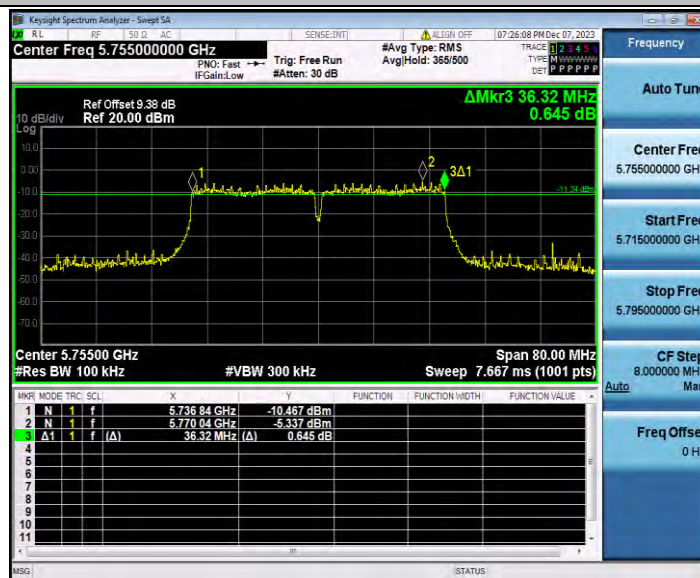
11N40SISO_Ant2_5755



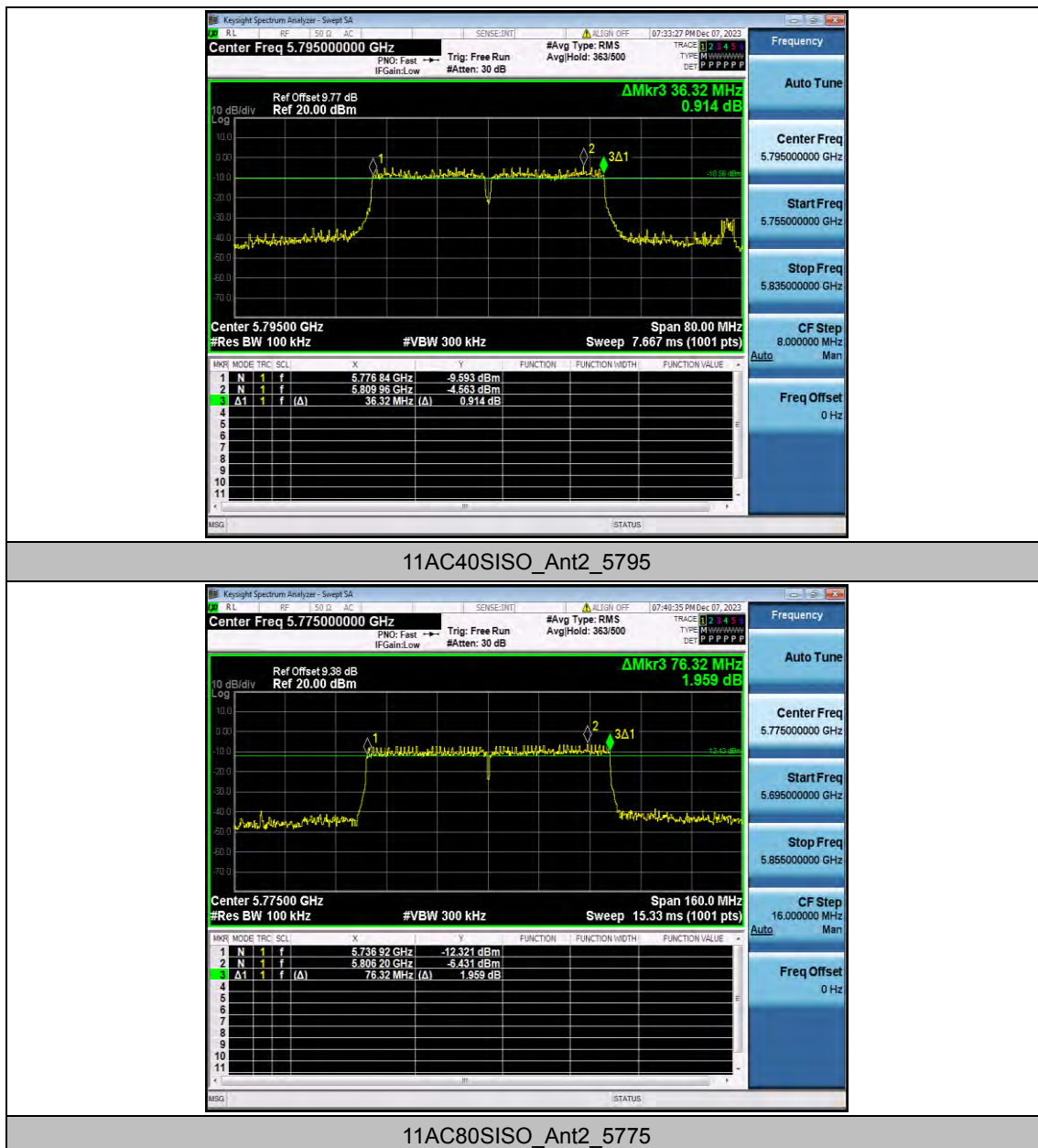
11AC20SISO_Ant2_5785



11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755

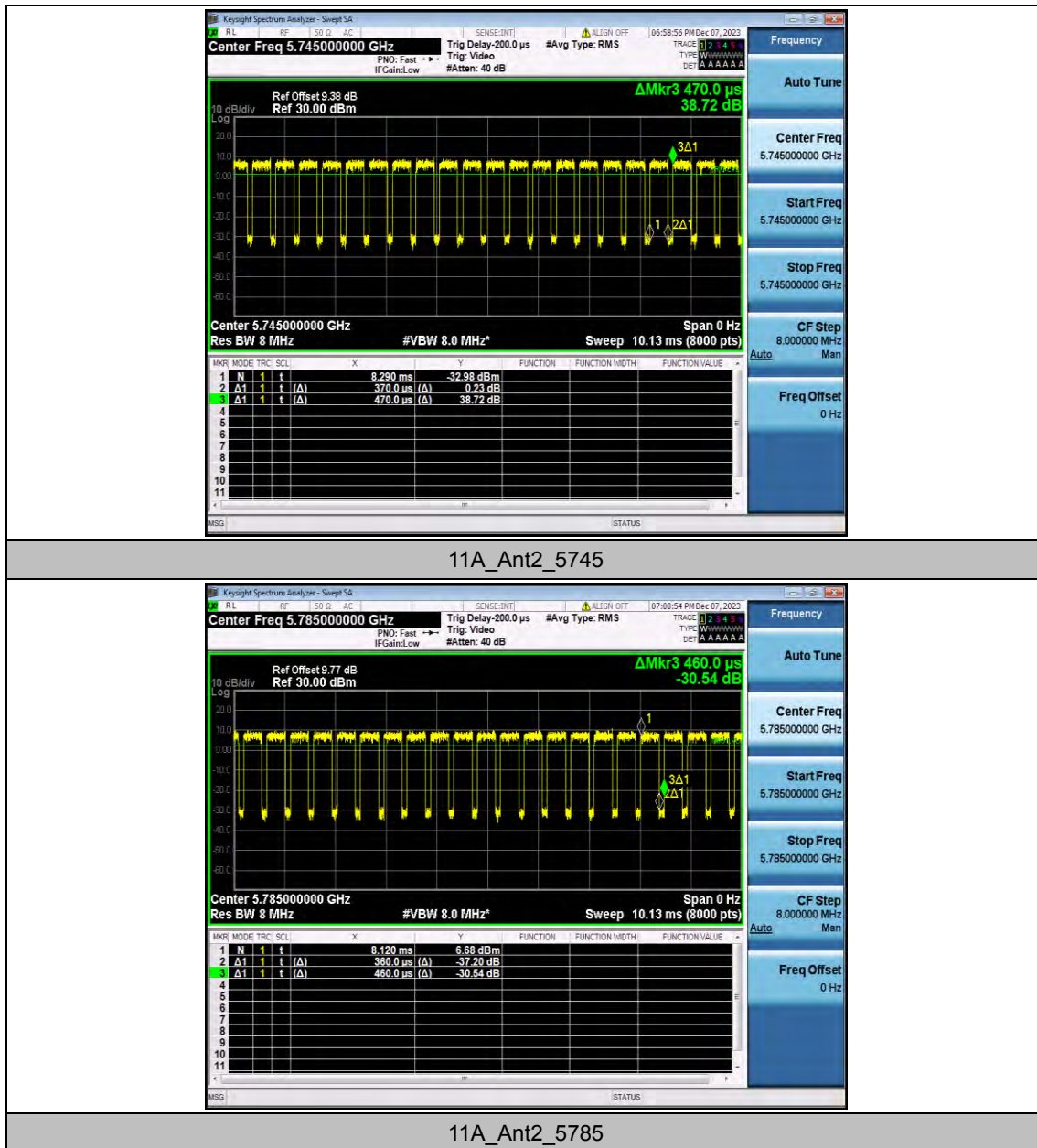


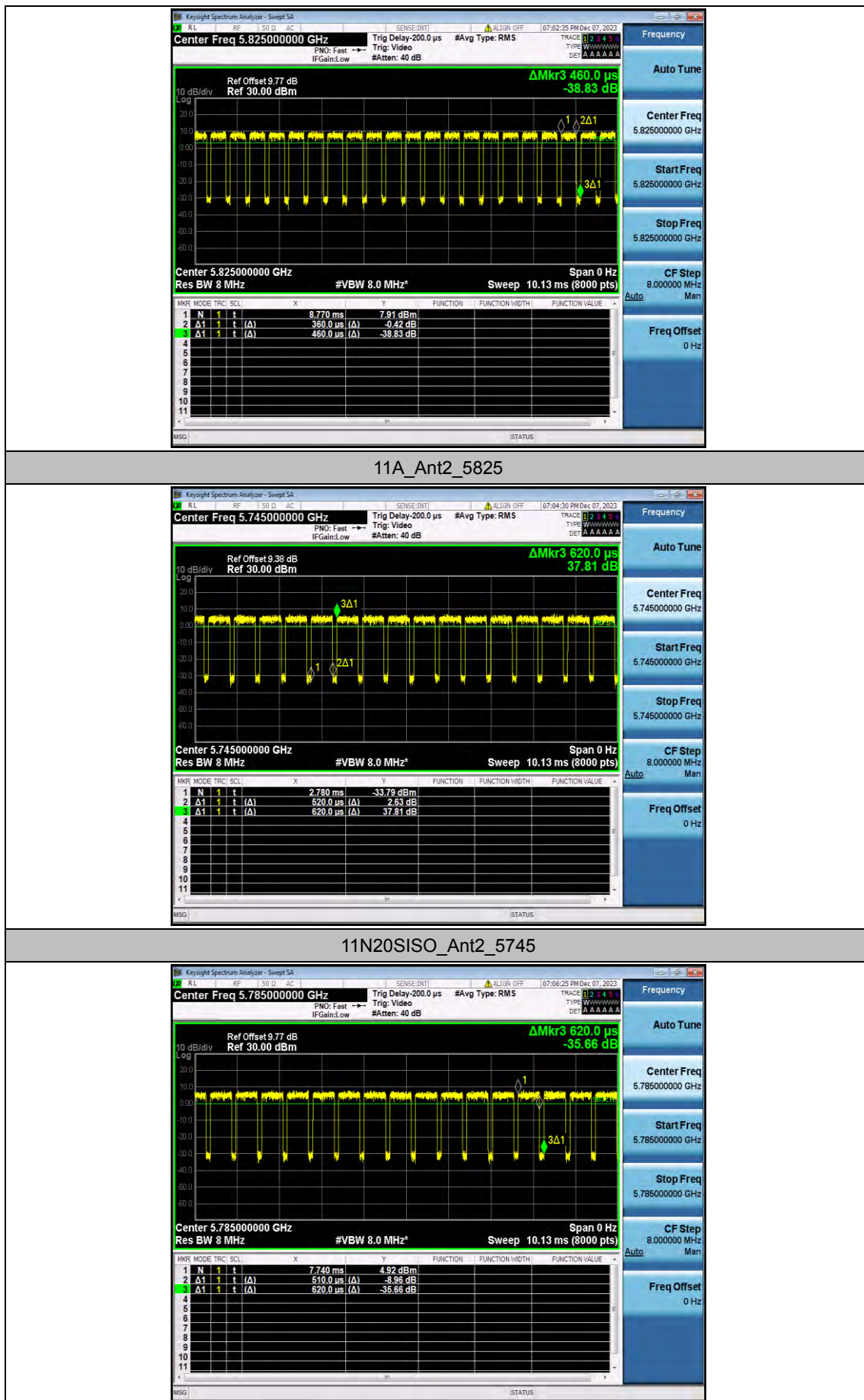
Appendix E.3: Duty Cycle

Test Result

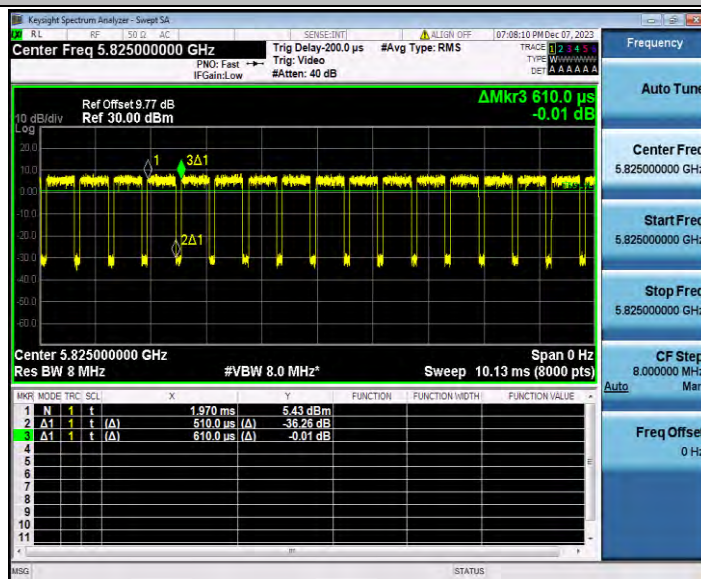
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant2	5745	0.37	0.47	78.72
		5785	0.36	0.46	78.26
		5825	0.36	0.46	78.26
11N20SISO	Ant2	5745	0.52	0.62	83.87
		5785	0.51	0.62	82.26
		5825	0.51	0.61	83.61
11N40SISO	Ant2	5755	0.26	0.36	72.22
		5795	0.26	0.36	72.22
11AC20SISO	Ant2	5745	0.44	0.54	81.48
		5785	0.44	0.54	81.48
		5825	0.43	0.54	79.63
11AC40SISO	Ant2	5755	0.21	0.31	67.74
		5795	0.21	0.31	67.74
11AC80SISO	Ant2	5775	0.12	0.23	52.17

Test Graphs

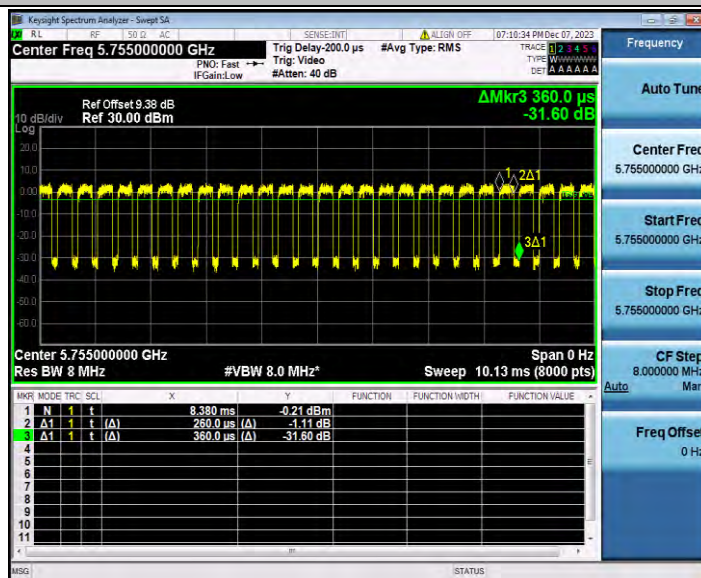




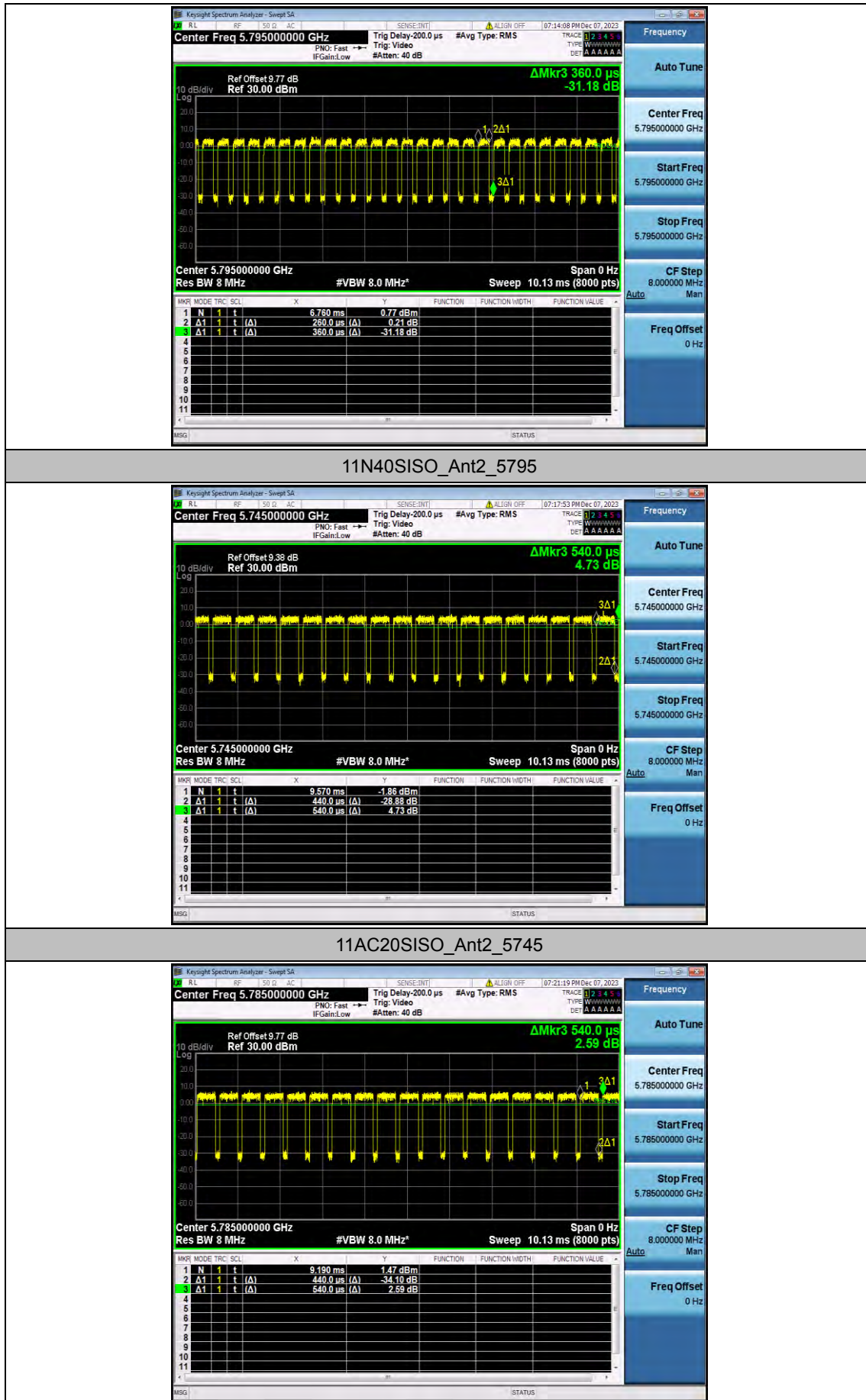
11N20SISO_Ant2_5785



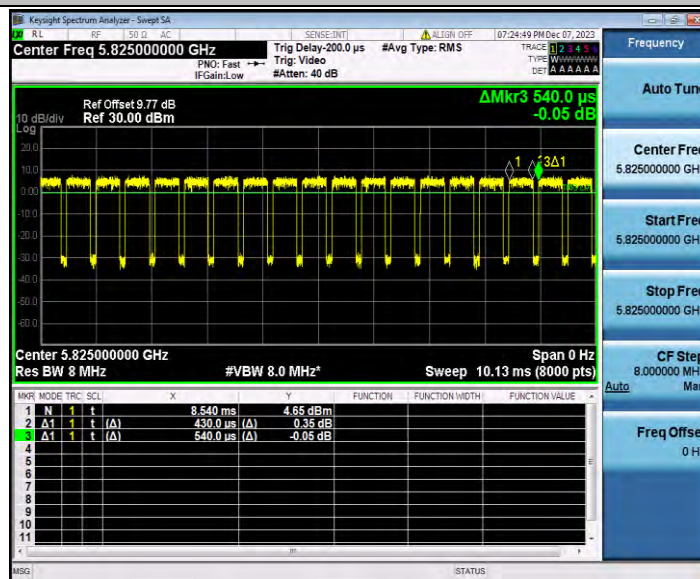
11N20SISO_Ant2_5825



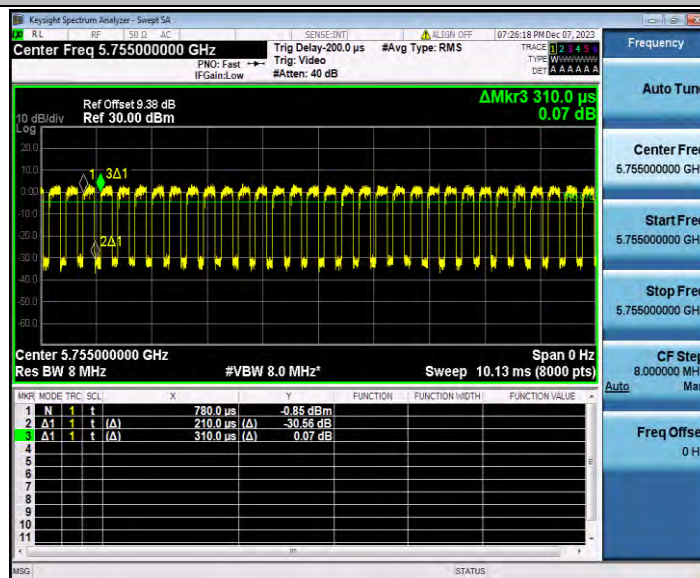
11N40SISO_Ant2_5755



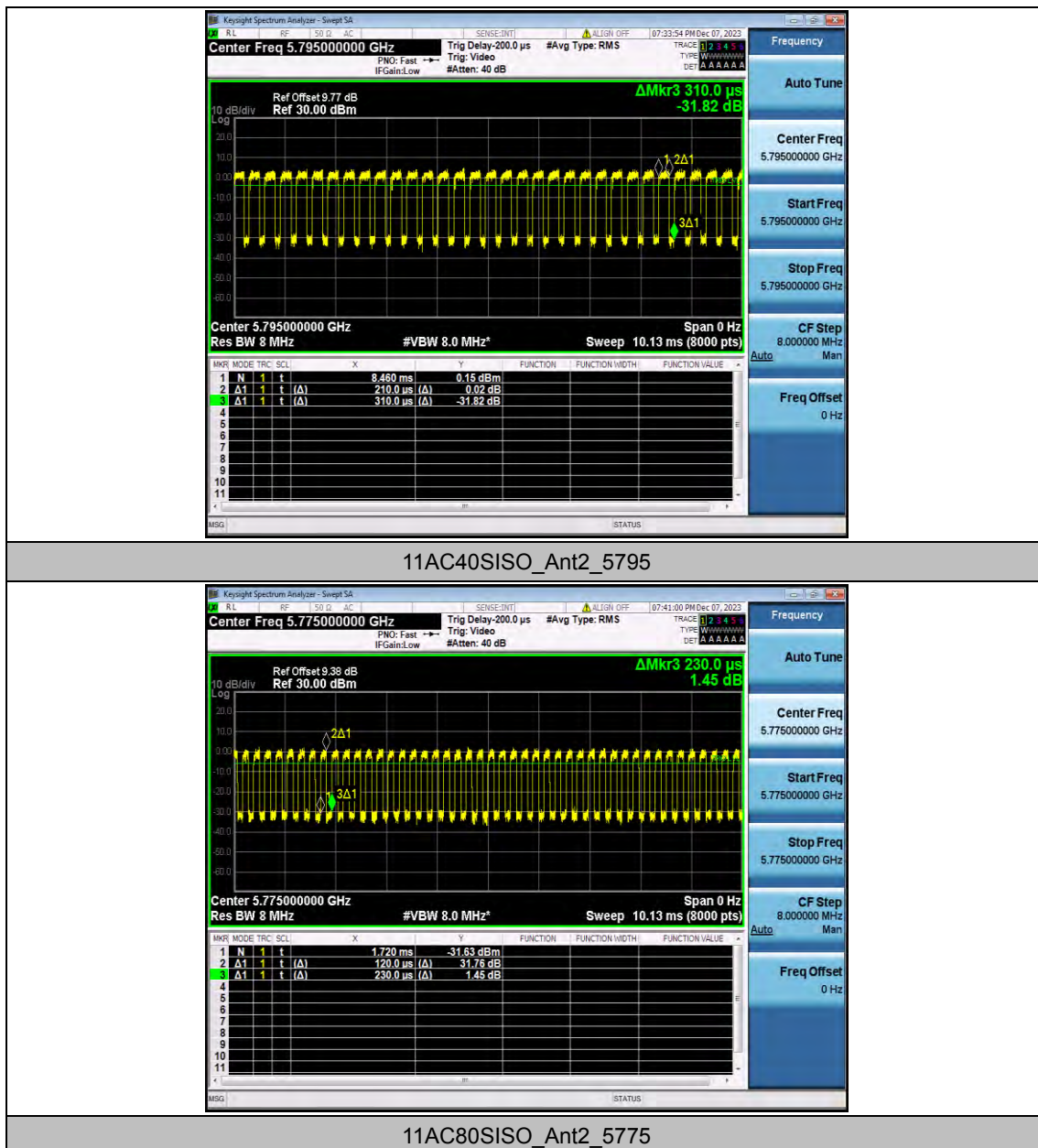
11AC20SISO_Ant2_5785



11AC20SISO_Ant2_5825



11AC40SISO_Ant2_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	Ant2	5745	8.58	78.72	1.04	9.62	≤30.00	PASS
		5785	9.57	78.26	1.06	10.63	≤30.00	PASS
		5825	9.92	78.26	1.06	10.98	≤30.00	PASS
11N20SISO	Ant2	5745	6.99	83.87	0.76	7.75	≤30.00	PASS
		5785	8.12	82.26	0.85	8.97	≤30.00	PASS
		5825	8.52	83.61	0.78	9.30	≤30.00	PASS
11N40SISO	Ant2	5755	7.29	72.22	1.41	8.70	≤30.00	PASS
		5795	8.24	72.22	1.41	9.65	≤30.00	PASS
11AC20SISO	Ant2	5745	5.95	81.48	0.89	6.84	≤30.00	PASS
		5785	6.91	81.48	0.89	7.80	≤30.00	PASS
		5825	7.48	79.63	0.99	8.47	≤30.00	PASS
11AC40SISO	Ant2	5755	6.04	67.74	1.69	7.73	≤30.00	PASS
		5795	7.03	67.74	1.69	8.72	≤30.00	PASS
11AC80SISO	Ant2	5775	7.13	52.17	2.83	9.96	≤30.00	PASS

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

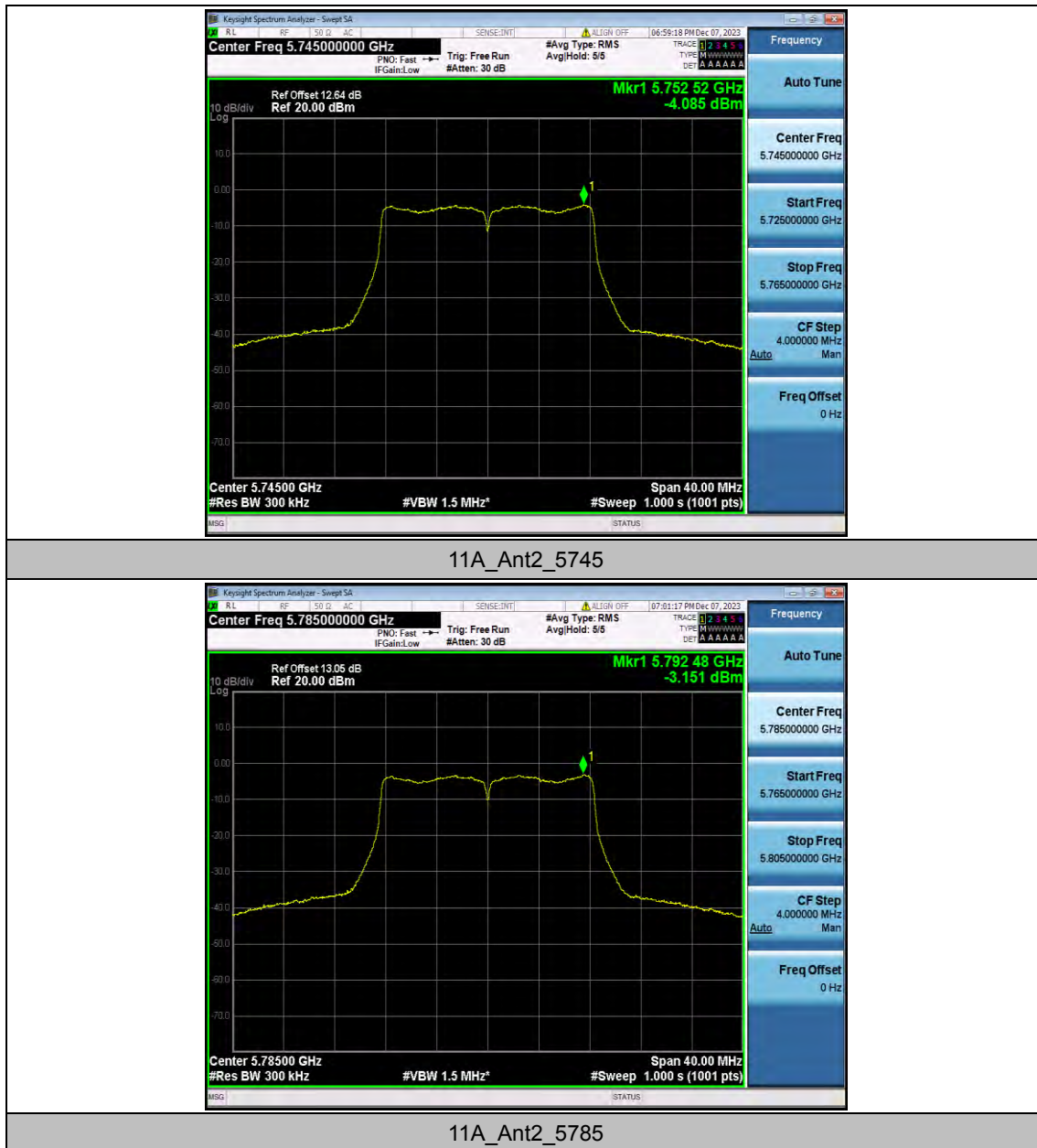
Appendix E.5: Maximum power spectral density

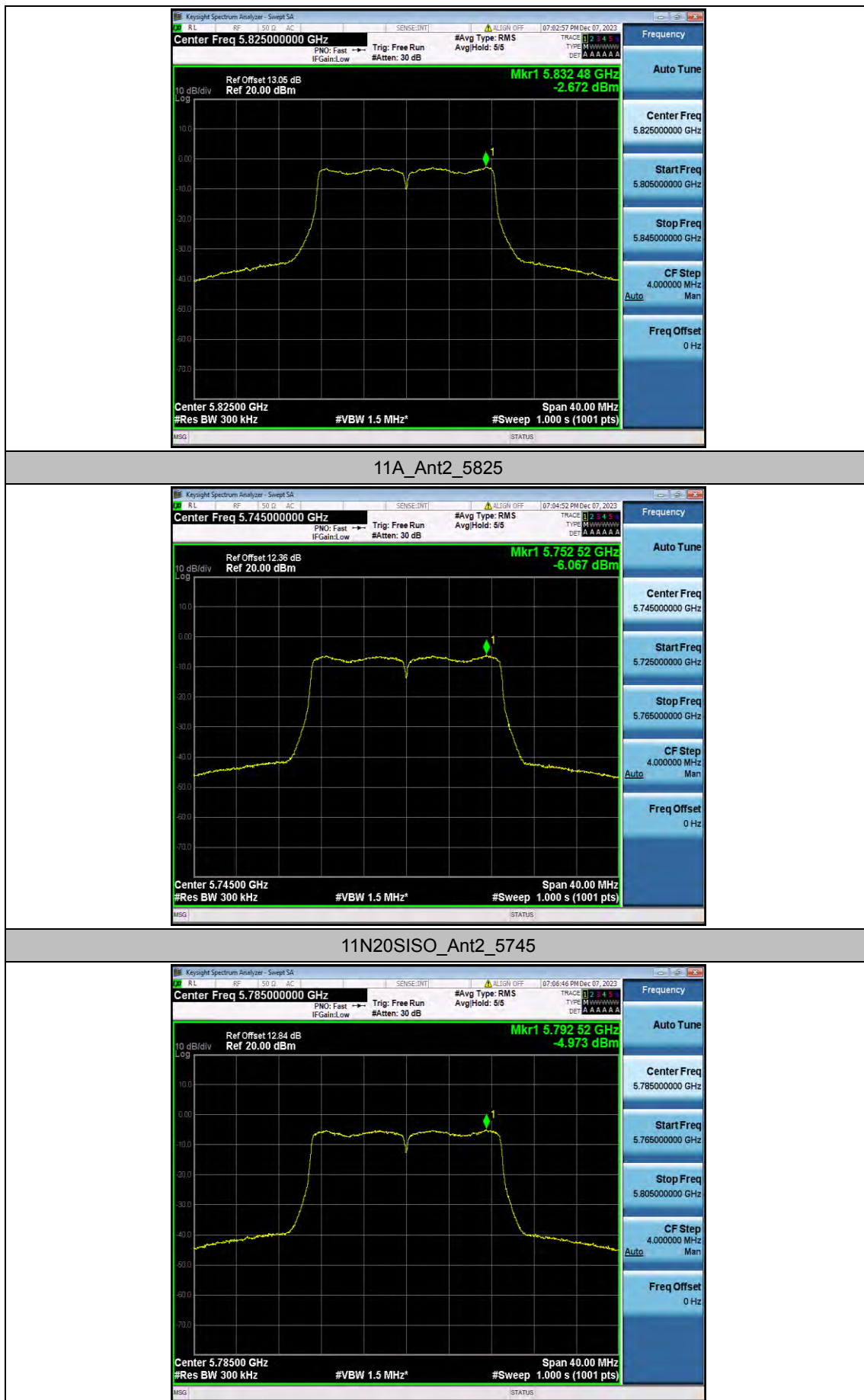
Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant2	5745	-4.09	≤30.00	PASS
		5785	-3.15	≤30.00	PASS
		5825	-2.67	≤30.00	PASS
11N20SISO	Ant2	5745	-6.07	≤30.00	PASS
		5785	-4.97	≤30.00	PASS
		5825	-4.4	≤30.00	PASS
11N40SISO	Ant2	5755	-7.42	≤30.00	PASS
		5795	-6.53	≤30.00	PASS
11AC20SISO	Ant2	5745	-6.98	≤30.00	PASS
		5785	-6.14	≤30.00	PASS
		5825	-5.33	≤30.00	PASS
11AC40SISO	Ant2	5755	-8.19	≤30.00	PASS
		5795	-7.45	≤30.00	PASS
11AC80SISO	Ant2	5775	-9.35	≤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_Ant2_5785



11N20SISO_Ant2_5825



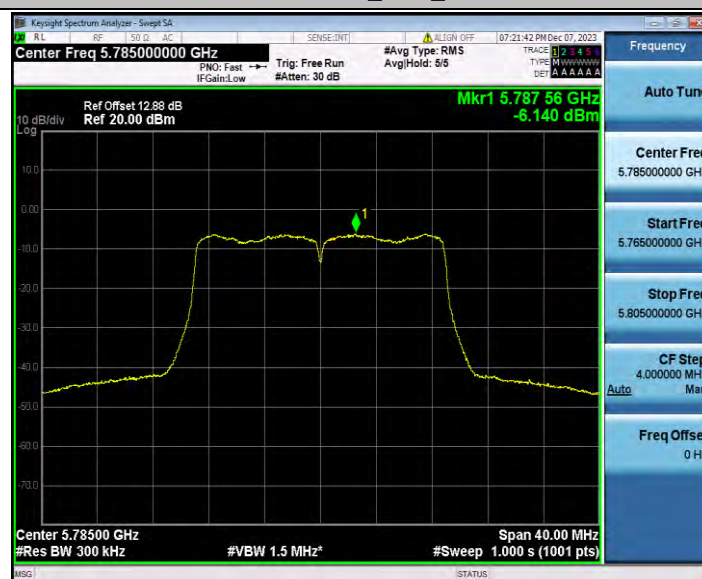
11N40SISO_Ant2_5755



11N40SISO_Ant2_5795



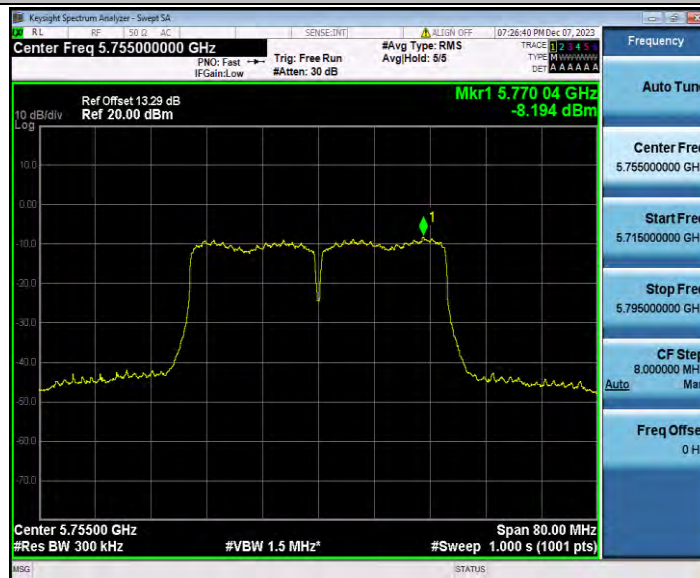
11AC20SISO_Ant2_5745



11AC20SISO_Ant2_5785



11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5775

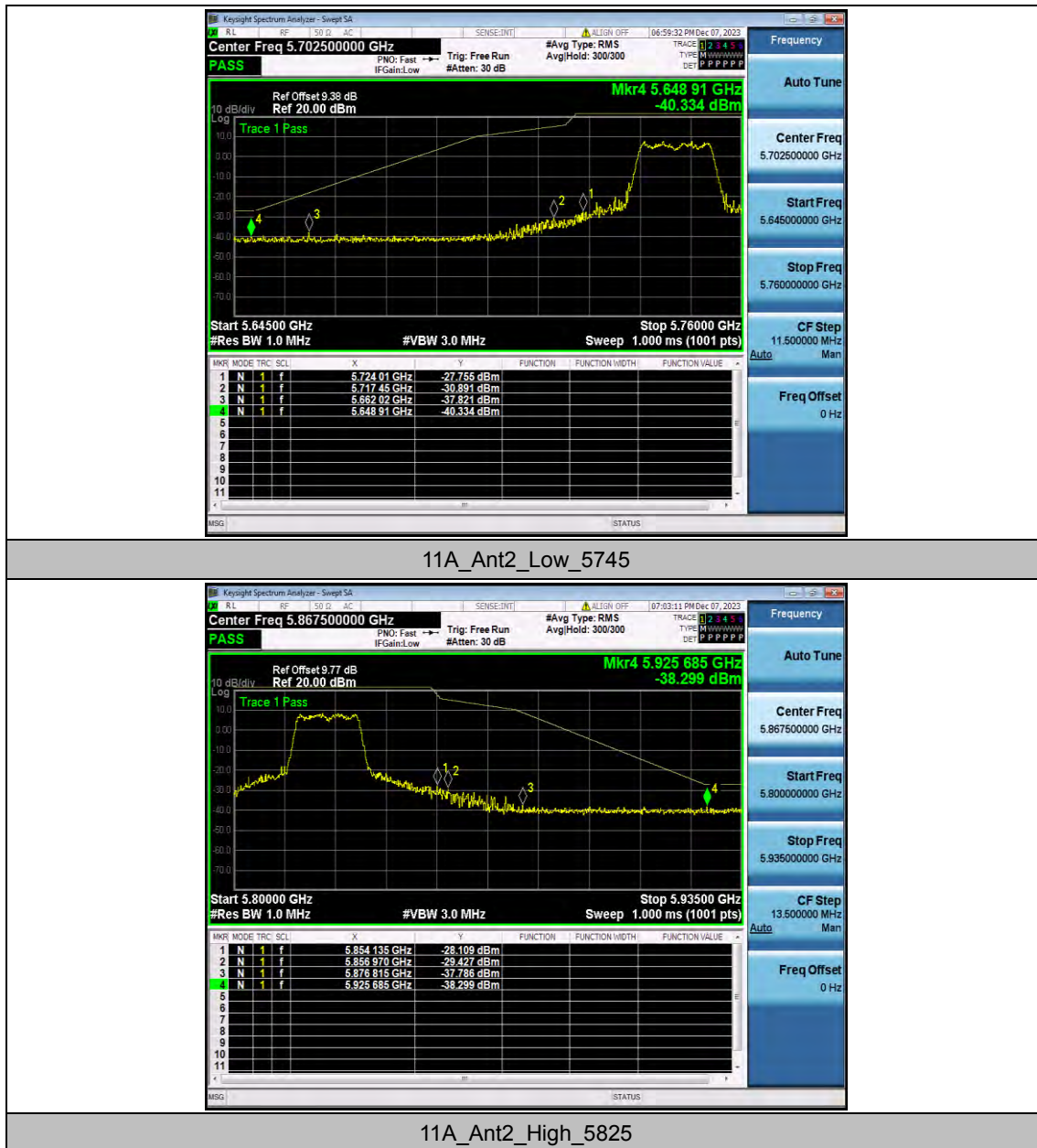
Appendix E.6: Band edge measurements

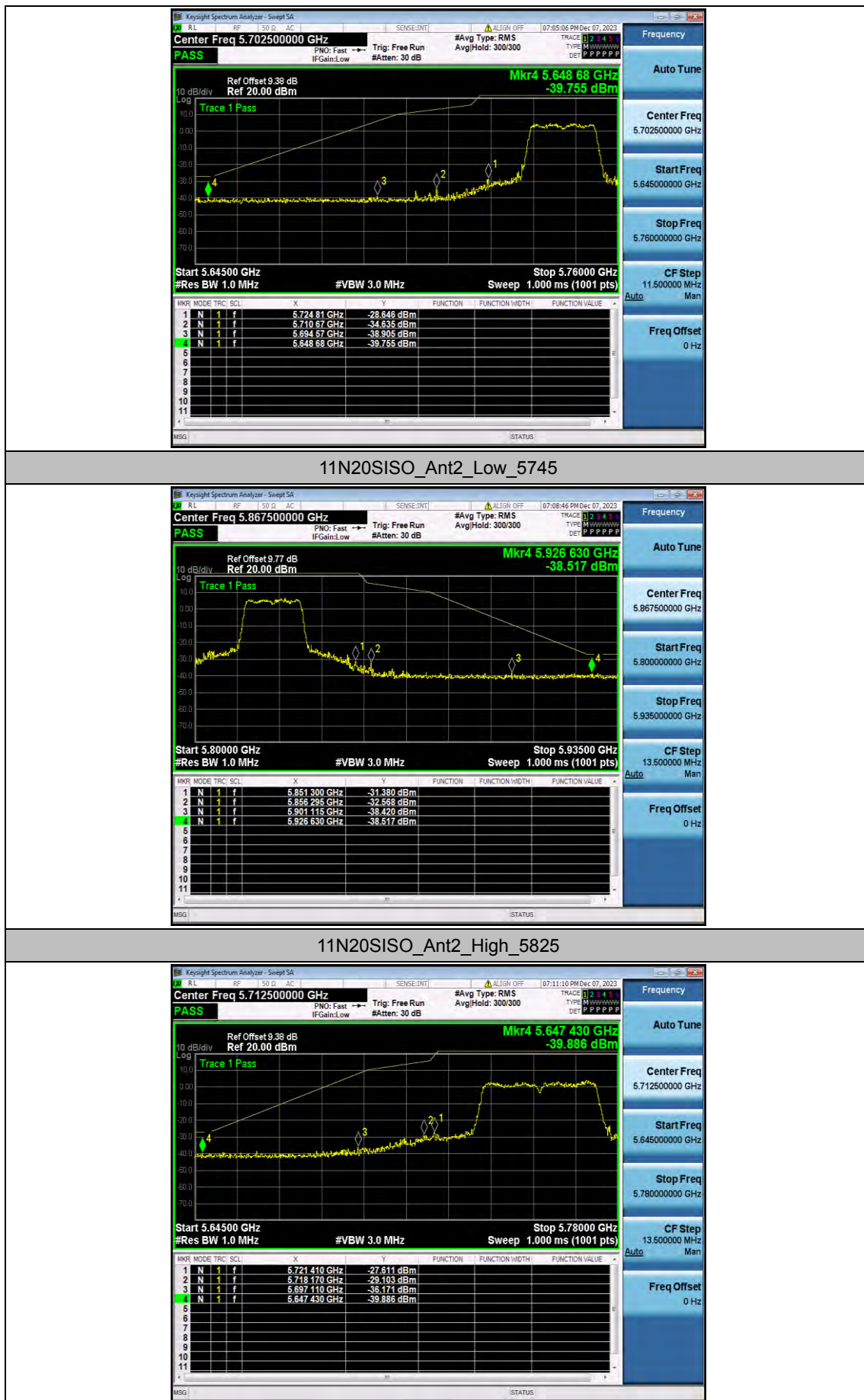
Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	Low	5745	5650~5700	-37.82	≤-18.11	PASS
				5700~5720	-30.89	≤14.89	PASS
				5720~5725	-27.76	≤24.73	PASS
				5760~5650	-40.33	≤-27	PASS
		High	5825	5850~5855	-28.11	≤25.03	PASS
				5855~5875	-29.43	≤10.55	PASS
				5875~5925	-37.79	≤-25.66	PASS
				5925~5935	-38.3	≤-27	PASS
11N20SISO	Ant2	Low	5745	5650~5700	-38.91	≤5.98	PASS
				5700~5720	-34.64	≤12.99	PASS
				5720~5725	-28.65	≤26.57	PASS
				5760~5650	-39.76	≤-27	PASS
		High	5825	5850~5855	-31.38	≤18.56	PASS
				5855~5875	-32.57	≤10.36	PASS
				5875~5925	-38.42	≤-7.67	PASS
				5925~5935	-38.52	≤-27	PASS
11N40SISO	Ant2	Low	5755	5650~5700	-36.17	≤7.86	PASS
				5700~5720	-29.1	≤15.09	PASS
				5720~5725	-27.61	≤18.81	PASS
				5780~5650	-39.89	≤-27	PASS
		High	5795	5850~5855	-32.68	≤20.92	PASS
				5855~5875	-32.81	≤11.33	PASS
				5875~5925	-36.97	≤-23.26	PASS
				5925~5935	-38.89	≤-27	PASS
11AC20SISO	Ant2	Low	5745	5650~5700	-38.71	≤-6.70	PASS
				5700~5720	-36.54	≤15.05	PASS
				5720~5725	-32.7	≤22.90	PASS
				5760~5650	-40.14	≤-27	PASS
		High	5825	5850~5855	-32.6	≤18.87	PASS
				5855~5875	-35.89	≤10.70	PASS
				5875~5925	-38.15	≤9.71	PASS
				5925~5935	-38.5	≤-27	PASS
11AC40SISO	Ant2	Low	5755	5650~5700	-38.91	≤1.67	PASS
				5700~5720	-31.66	≤15.39	PASS
				5720~5725	-30.52	≤17.89	PASS
				5780~5650	-40.02	≤-27	PASS

11AC80SI SO	Ant2	High	5795	5850~5855	-34.05	≤ 16.41	PASS
				5855~5875	-36.82	≤ 10.32	PASS
				5875~5925	-38.38	≤ 2.14	PASS
				5925~5935	-39.04	≤ -27	PASS
		Low	5775	5650~5700	-31.15	≤ 7.95	PASS
				5700~5720	-28.06	≤ 15.22	PASS
				5720~5725	-27.79	≤ 26.25	PASS
				5800~5650	-39.23	≤ -27	PASS
		High	5775	5850~5855	-28.79	≤ 26.76	PASS
				5855~5875	-20.61	≤ 10.38	PASS
				5875~5925	-29.65	≤ -25.72	PASS
				5925~5935	-38.5	≤ -27	PASS

Test Graphs B4





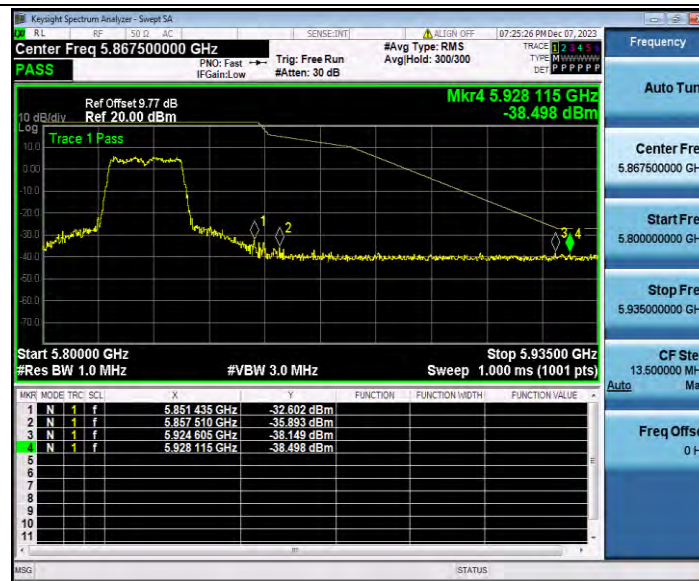
11N40SISO_Ant2_Low_5755



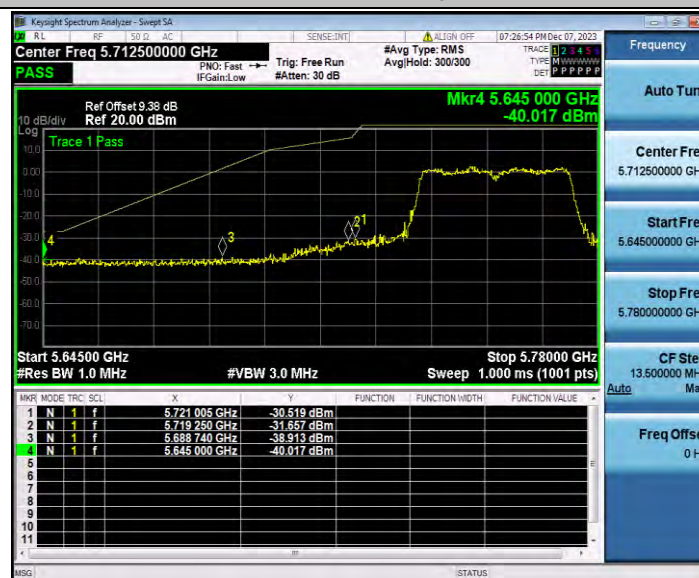
11N40SISO_Ant2_High_5795



11AC20SISO_Ant2_Low_5745



11AC20SISO_Ant2_High_5825



11AC40SISO_Ant2_Low_5755



11AC40SISO_Ant2_High_5795



11AC80SISO_Ant2_Low_5775



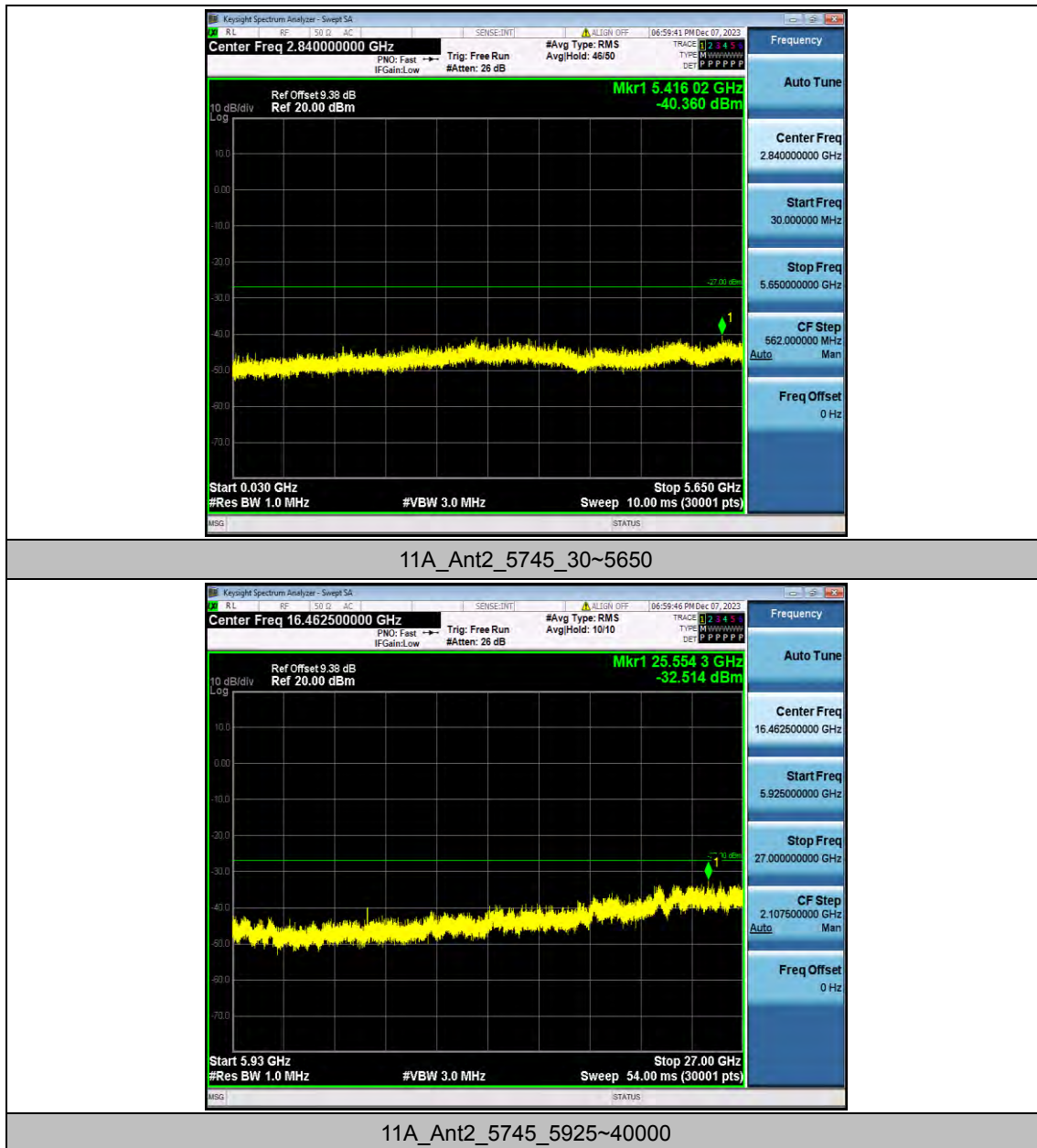
11AC80SISO_Ant2_High_5775

Appendix E.7: Conducted Spurious Emission

Test Result

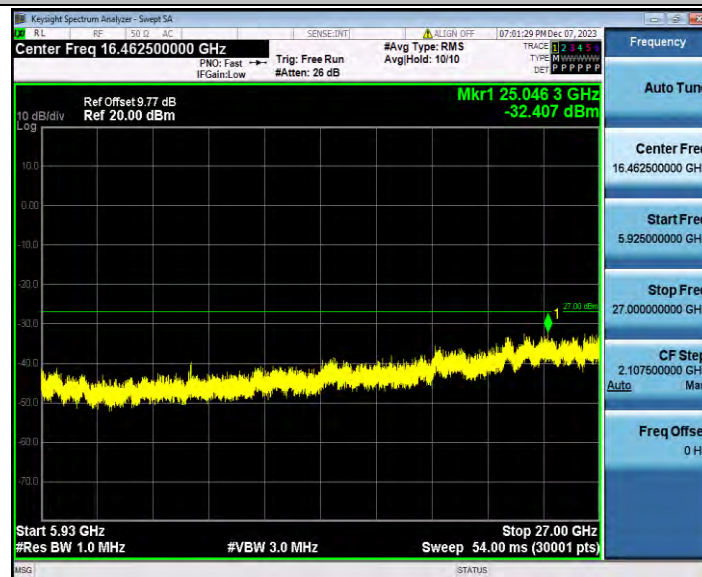
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant2	5745	30~5650	5416.02	-40.36	≤-27	PASS
			5925~40000	25554.26	-32.51	≤-27	PASS
		5785	30~5650	4996.02	-39.6	≤-27	PASS
			5925~40000	25046.35	-32.41	≤-27	PASS
		5825	30~5650	5026.37	-40.05	≤-27	PASS
			5925~40000	24962.05	-32.12	≤-27	PASS
11N20SISO	Ant2	5745	30~5650	5492.83	-40.79	≤-27	PASS
			5925~40000	25285.2	-32.97	≤-27	PASS
		5785	30~5650	5433.63	-40.68	≤-27	PASS
			5925~40000	26717.6	-31.74	≤-27	PASS
		5825	30~5650	4947.13	-40.68	≤-27	PASS
			5925~40000	25638.56	-32.53	≤-27	PASS
11N40SISO	Ant2	5755	30~5650	5316.73	-40.08	≤-27	PASS
			5925~40000	26046.01	-32.87	≤-27	PASS
		5795	30~5650	2652.48	-39.58	≤-27	PASS
			5925~40000	25233.92	-31.87	≤-27	PASS
11AC20SISO	Ant2	5745	30~5650	2840	-40.63	≤-27	PASS
			5925~40000	23483.29	-32.03	≤-27	PASS
		5785	30~5650	4909.28	-40.16	≤-27	PASS
			5925~40000	24345.25	-31.9	≤-27	PASS
		5825	30~5650	3020.59	-40.82	≤-27	PASS
			5925~40000	26779.42	-32.43	≤-27	PASS
11AC40SISO	Ant2	5755	30~5650	5474.84	-40.94	≤-27	PASS
			5925~40000	26838.43	-32.28	≤-27	PASS
		5795	30~5650	3049.06	-40.76	≤-27	PASS
			5925~40000	26790.66	-31.6	≤-27	PASS
11AC80SISO	Ant2	5775	30~5650	4836.22	-40.75	≤-27	PASS
			5925~40000	23554.24	-32.66	≤-27	PASS

Test Graphs

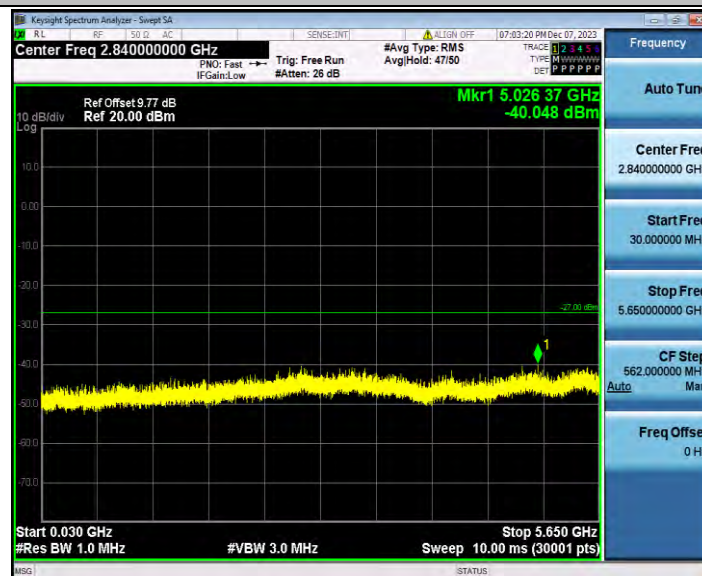




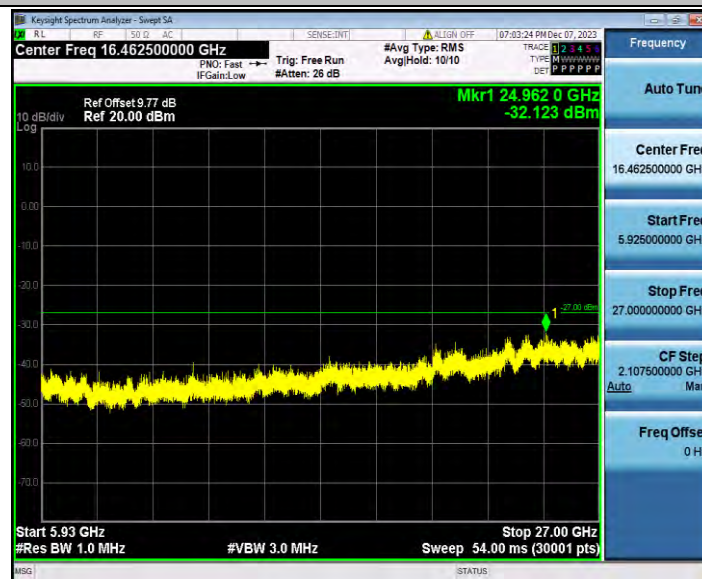
11A_Ant2_5785_30~5650



11A_Ant2_5785_5925~40000



11A_Ant2_5825_30~5650



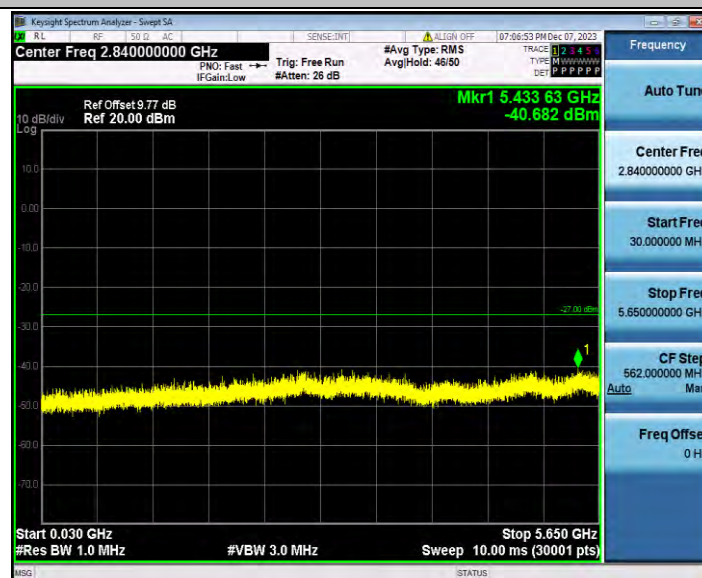
11A_Ant2_5825_5925~40000



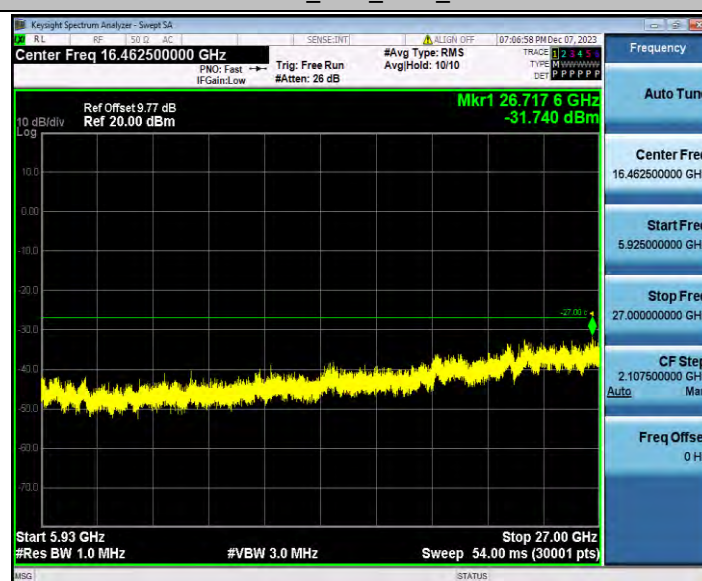
11N20SISO_Ant2_5745_30~5650



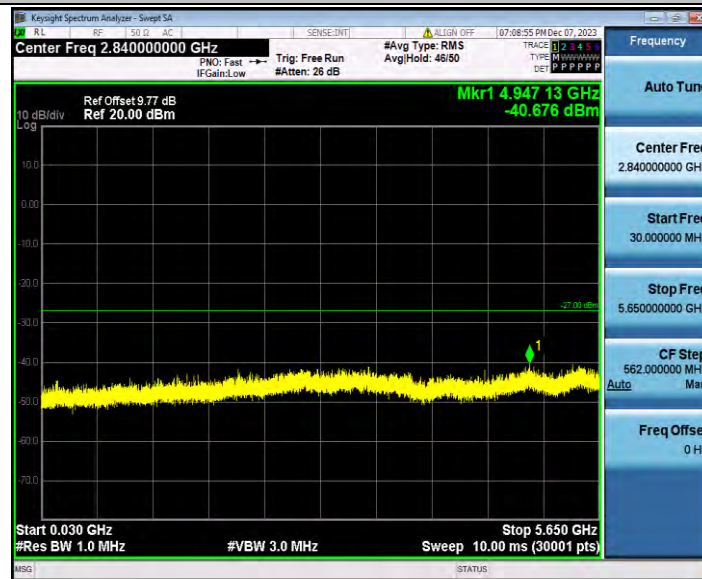
11N20SISO_Ant2_5745_5925~40000



11N20SISO_Ant2_5785_30~5650



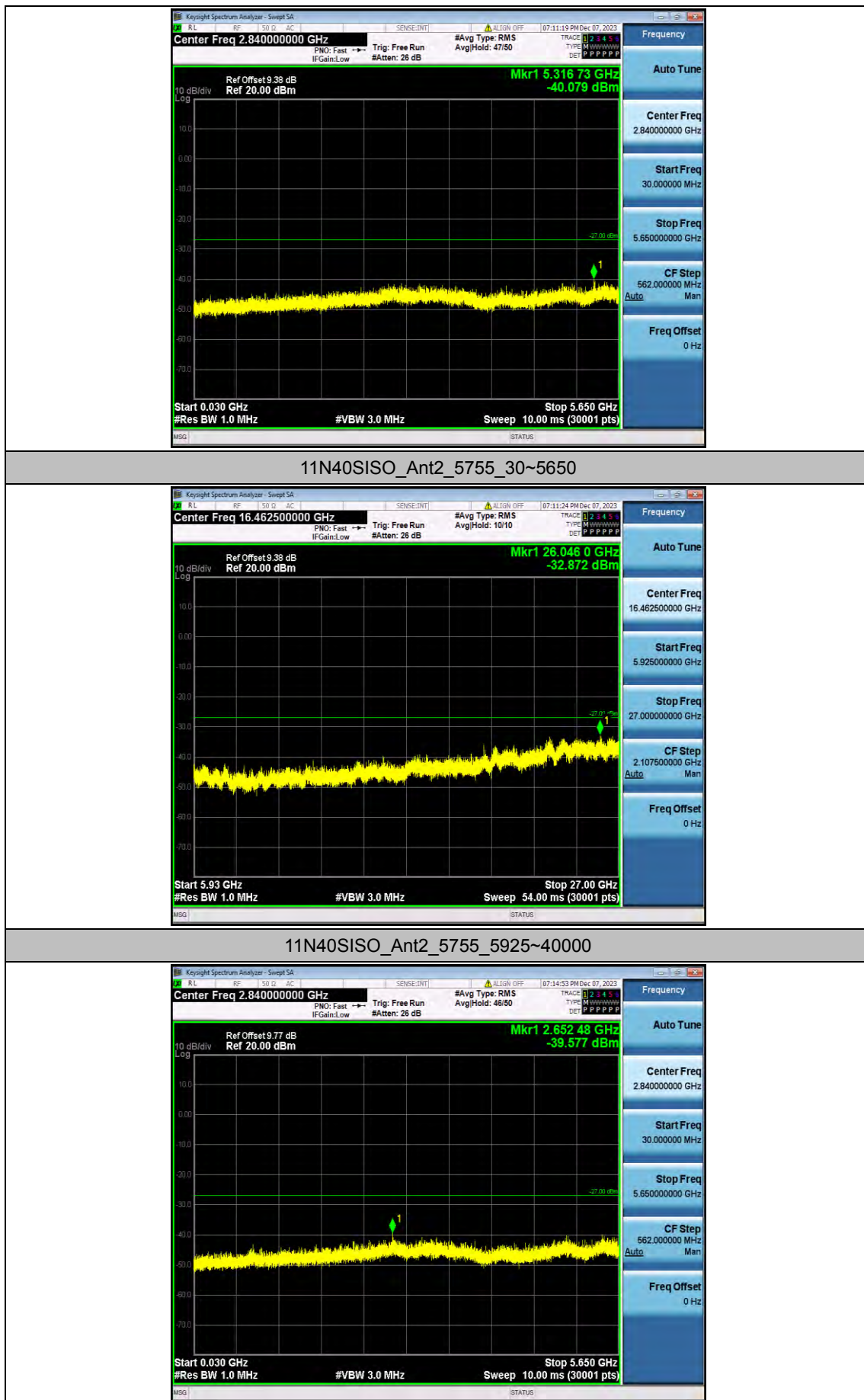
11N20SISO_Ant2_5785_5925~40000



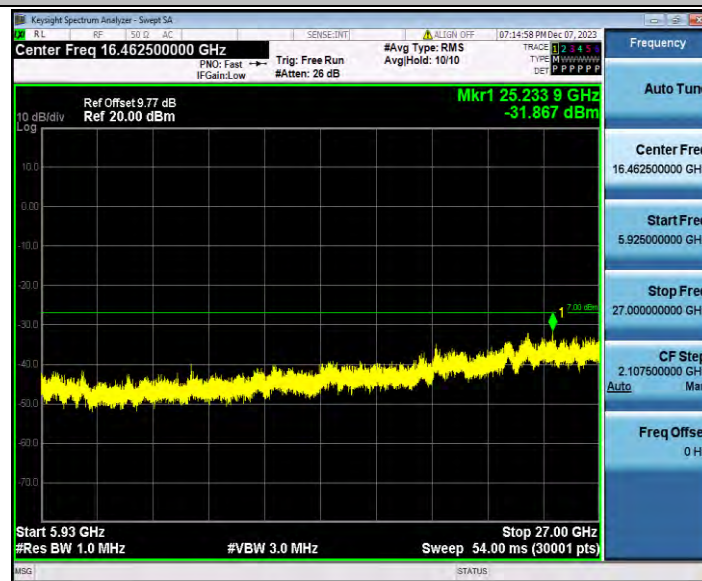
11N20SISO_Ant2_5825_30~5650



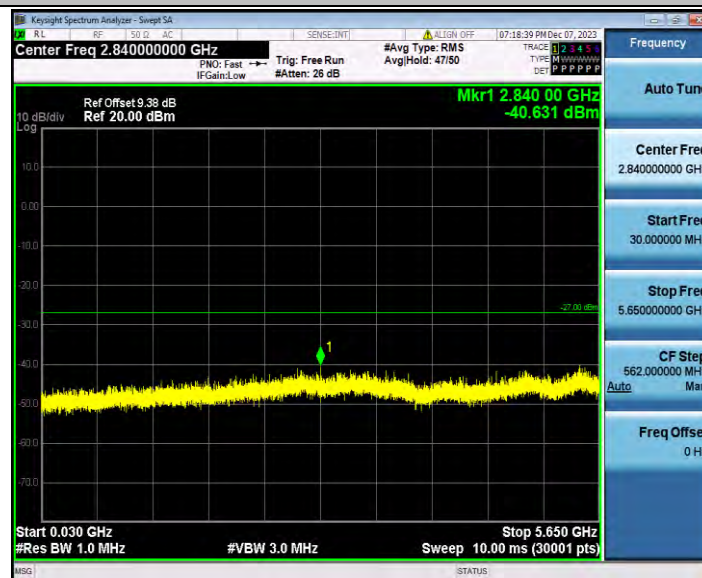
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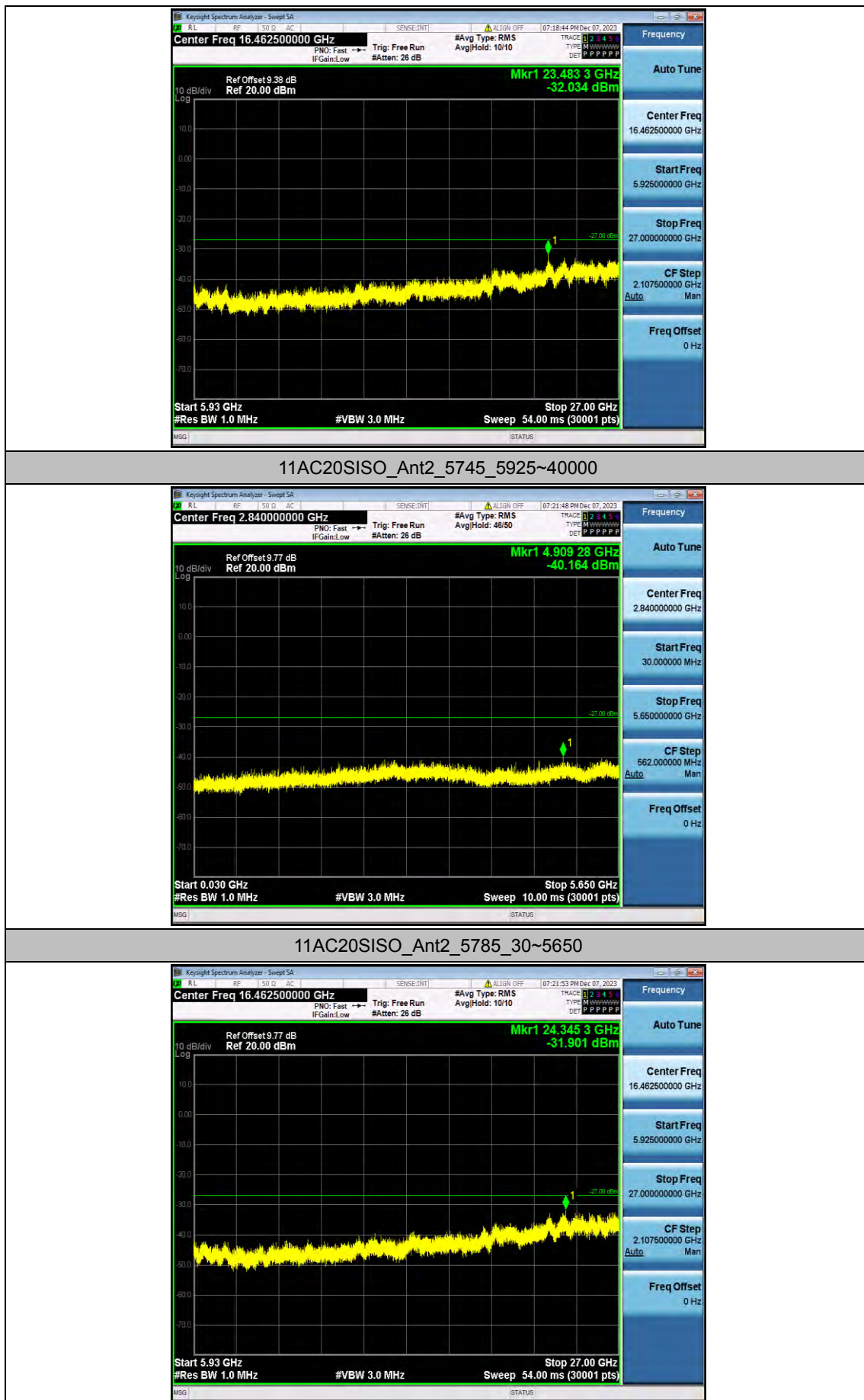
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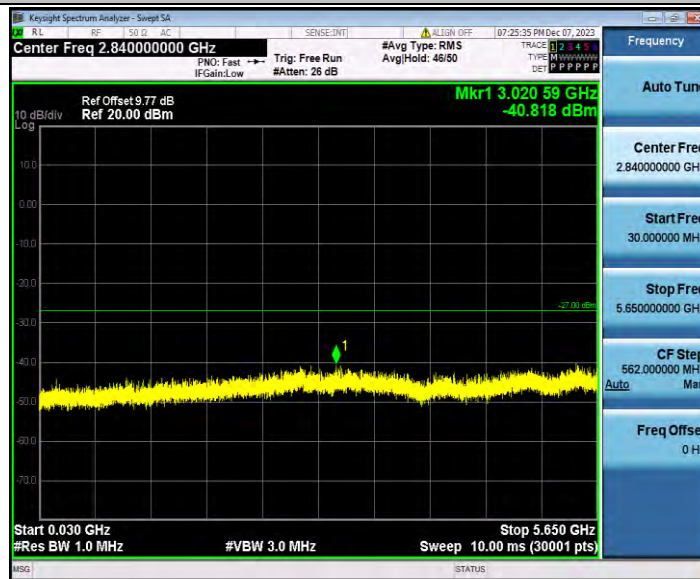
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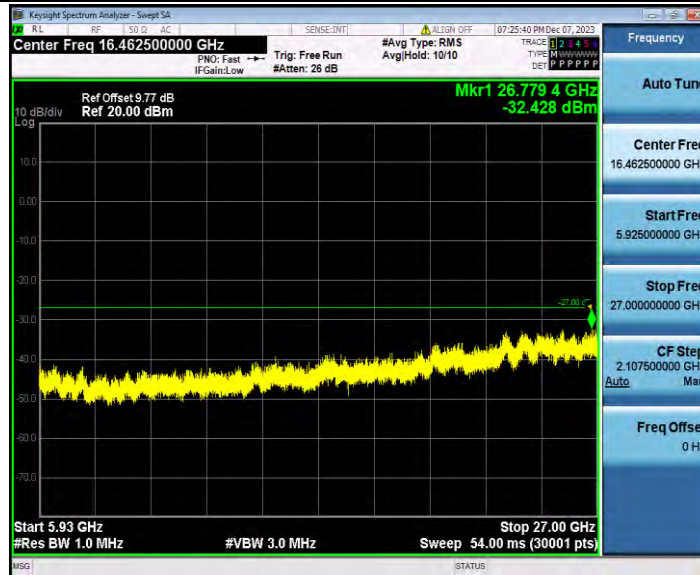
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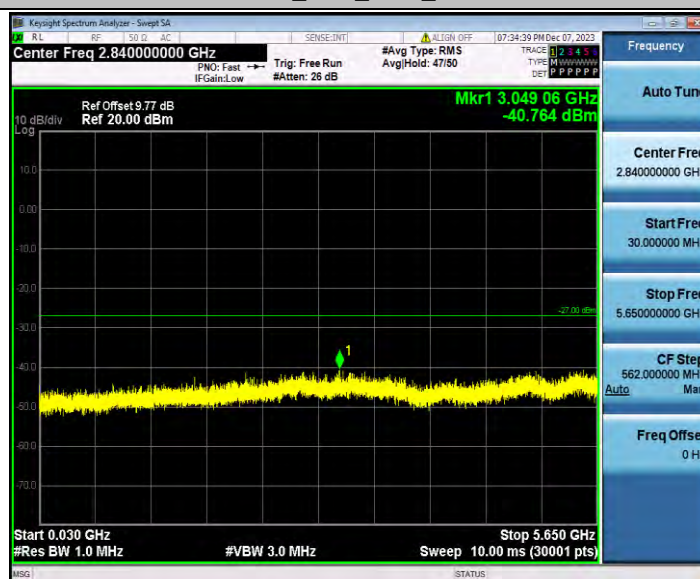
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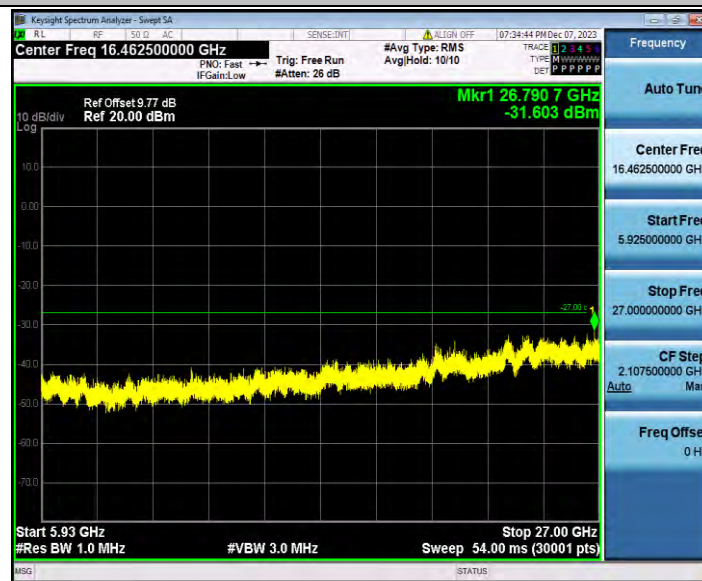
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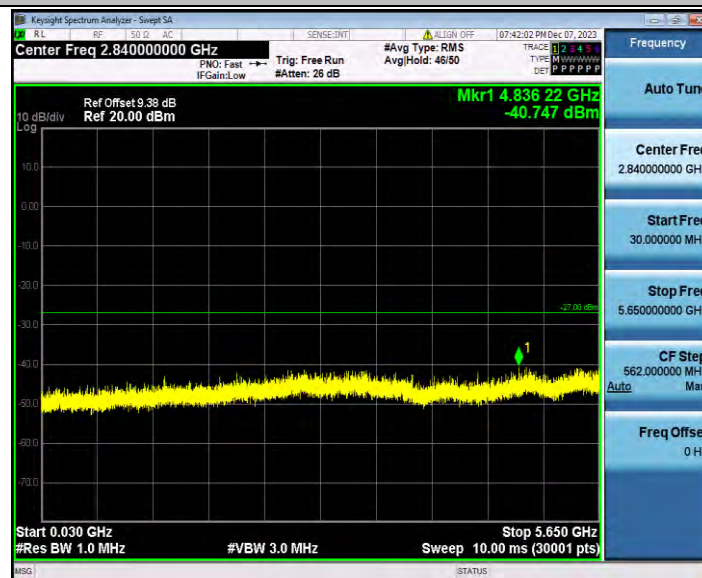
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11AC40SISO_Ant2_5795_30~5650



11AC40SISO_Ant2_5795_5925~40000



11AC80SISO_Ant2_5775_30~5650

