

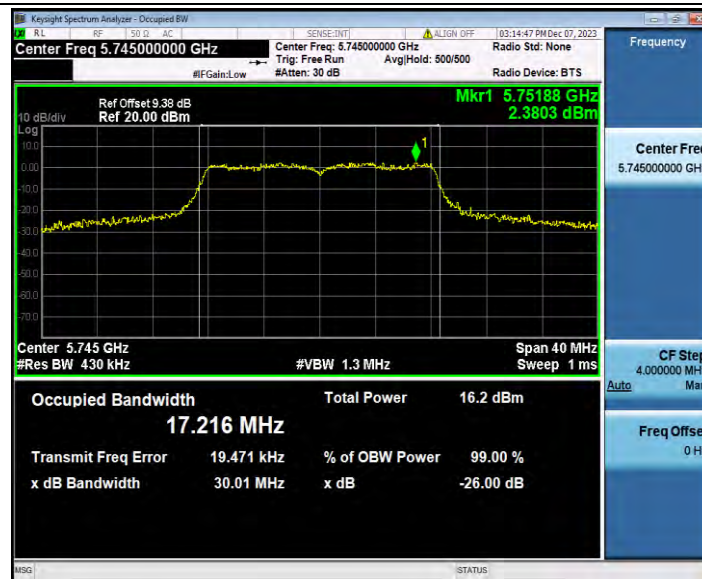
Case No. : <u>GTS20231012003-1-11</u>	
Ambient Condition: <u>24</u> °C, <u>48</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.12.7</u>	Test Engineer: <u>Evan ouyang</u>

Appendix E.1: Occupied channel bandwidth

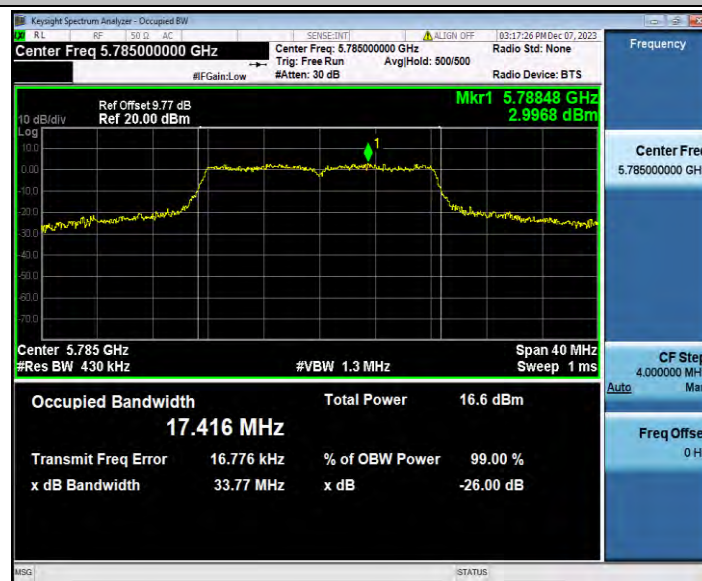
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.216	5736.411	5753.627	---	---
		5785	17.416	5776.309	5793.725	---	---
		5825	17.899	5816.186	5834.085	---	---
11N20SISO	Ant1	5745	18.034	5735.996	5754.030	---	---
		5785	18.074	5775.955	5794.029	---	---
		5825	18.243	5815.899	5834.142	---	---
11N40SISO	Ant1	5755	36.721	5736.731	5773.452	---	---
		5795	36.824	5776.643	5813.467	---	---
11AC20SISO	Ant1	5745	17.951	5736.037	5753.988	---	---
		5785	17.938	5776.064	5794.002	---	---
		5825	18.000	5816.020	5834.020	---	---
11AC40SISO	Ant1	5755	36.707	5736.684	5773.391	---	---
		5795	36.716	5776.645	5813.361	---	---
11AC80SISO	Ant1	5775	76.720	5736.723	5813.443	---	---

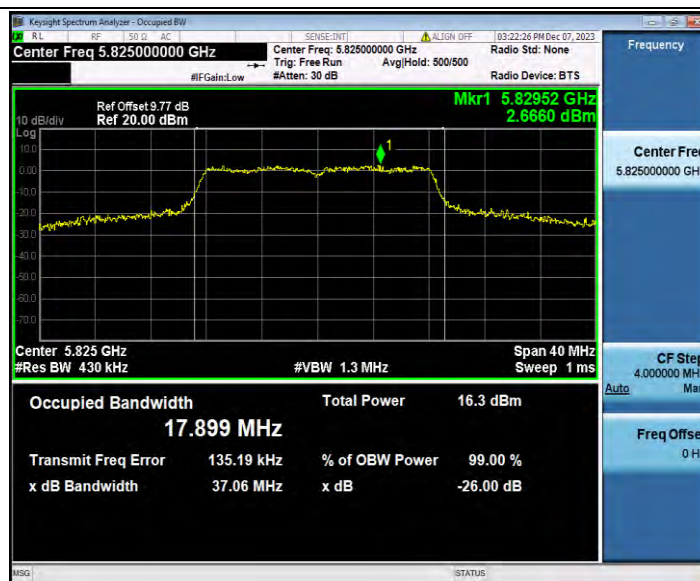
Test Graphs



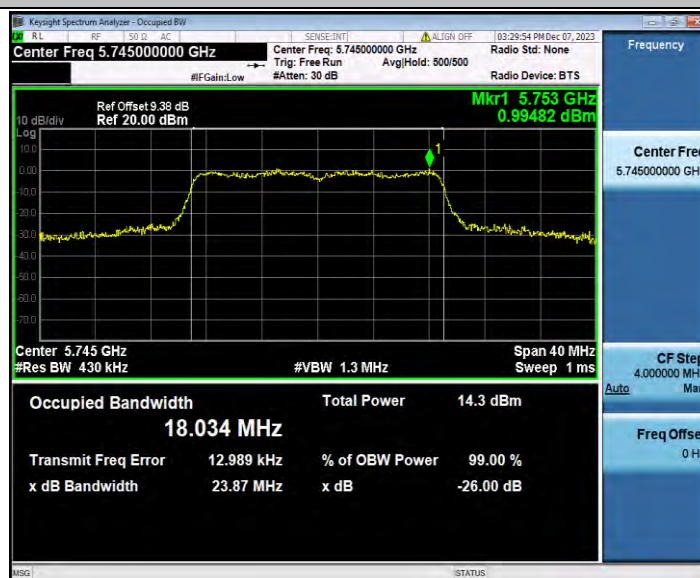
11A_Ant1_5745



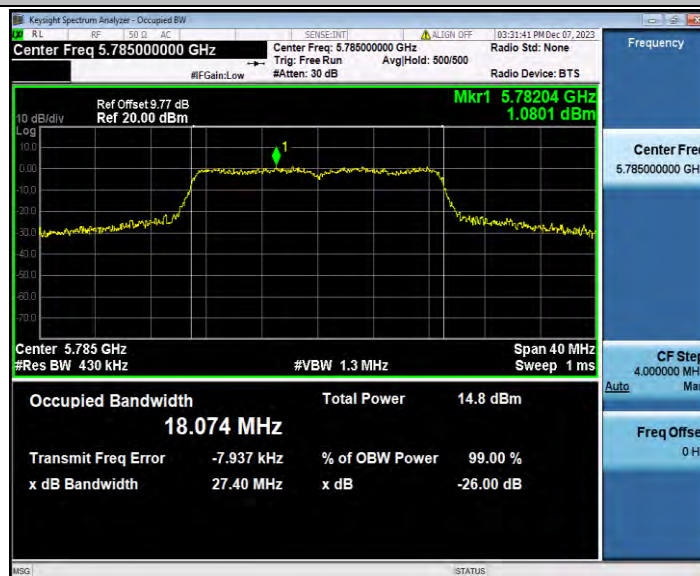
11A_Ant1_5785



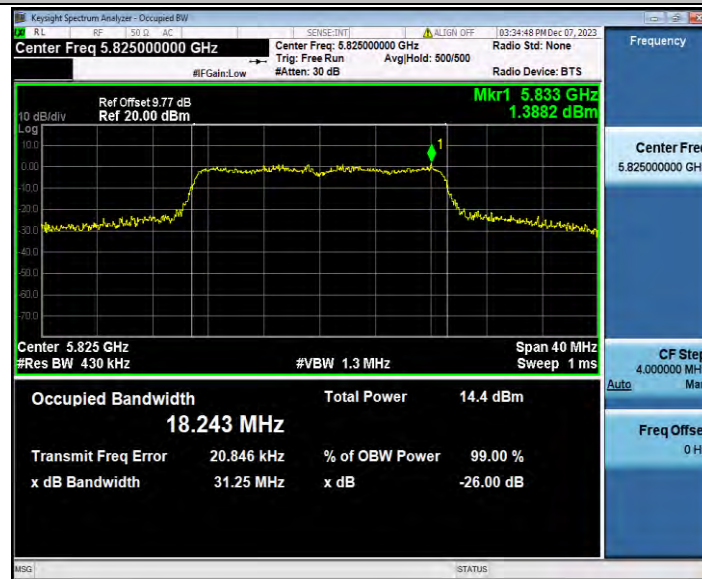
11A_Ant1_5825



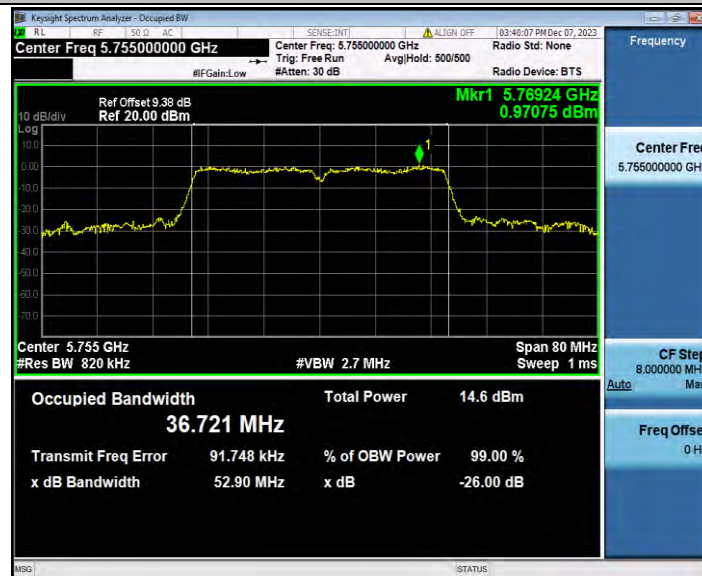
11N20SISO_Ant1_5745



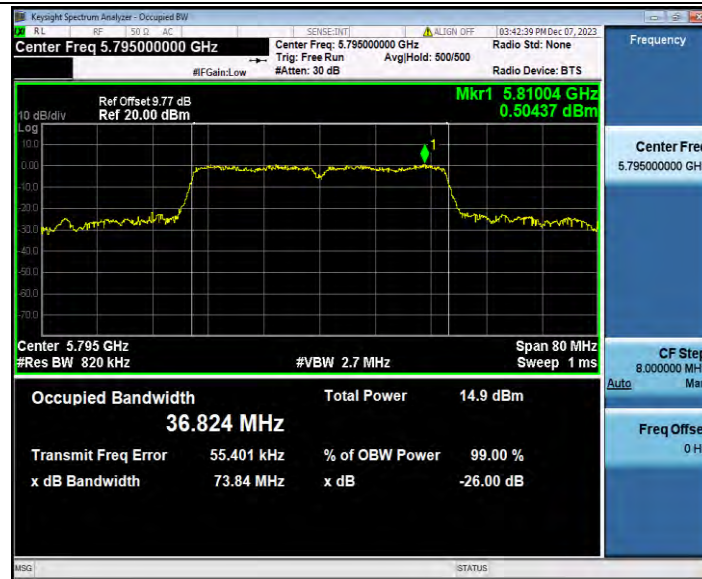
11N20SISO_Ant1_5785



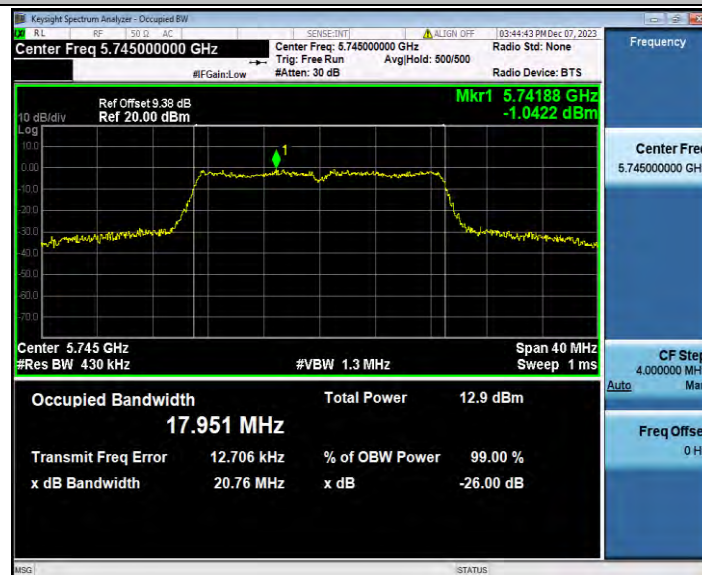
11N20SISO_Ant1_5825



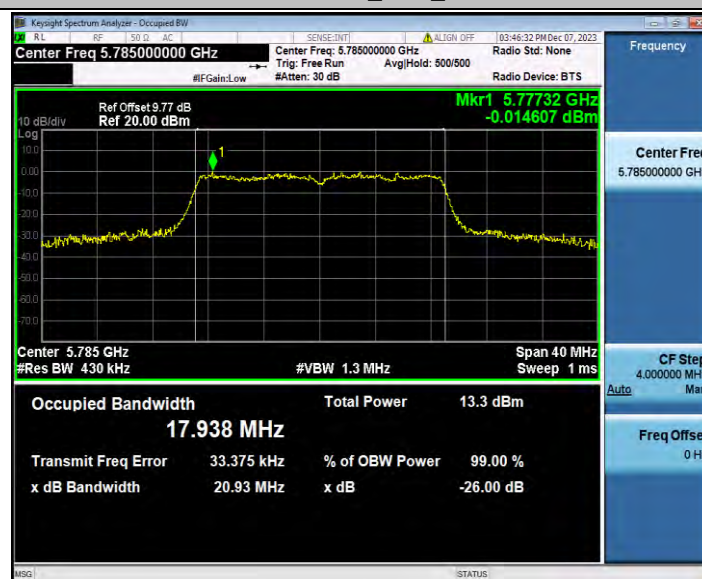
11N40SISO_Ant1_5755



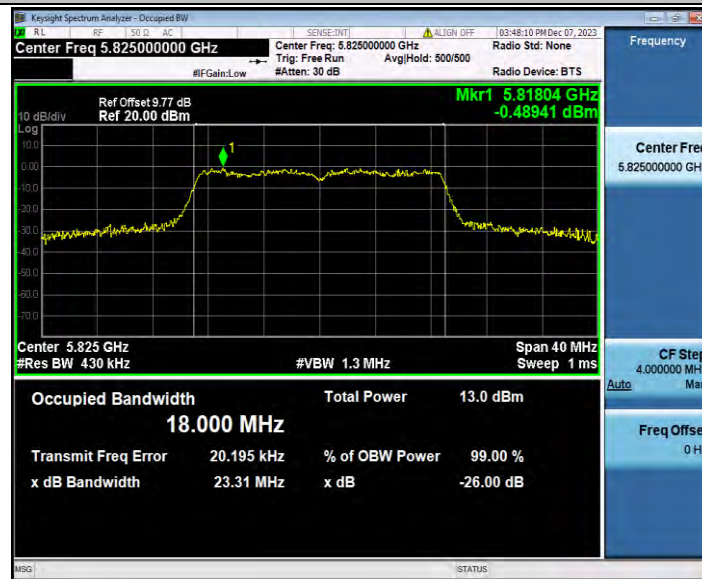
11N40SISO_Ant1_5795



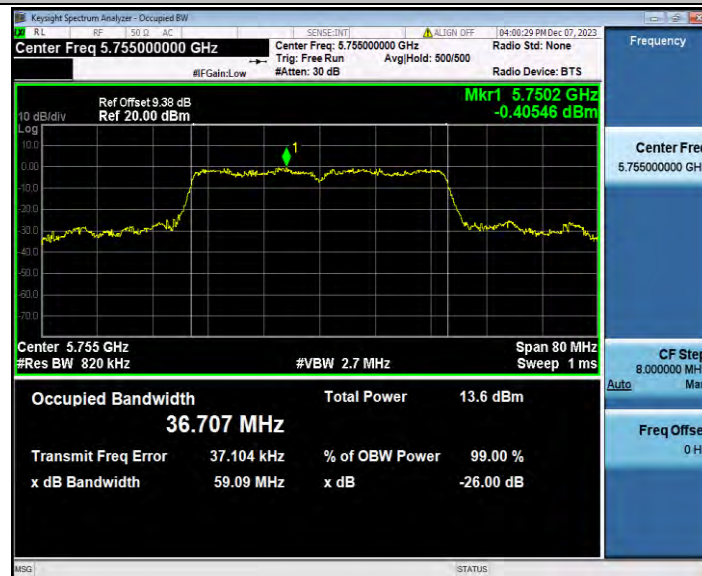
11AC20SISO_Ant1_5745



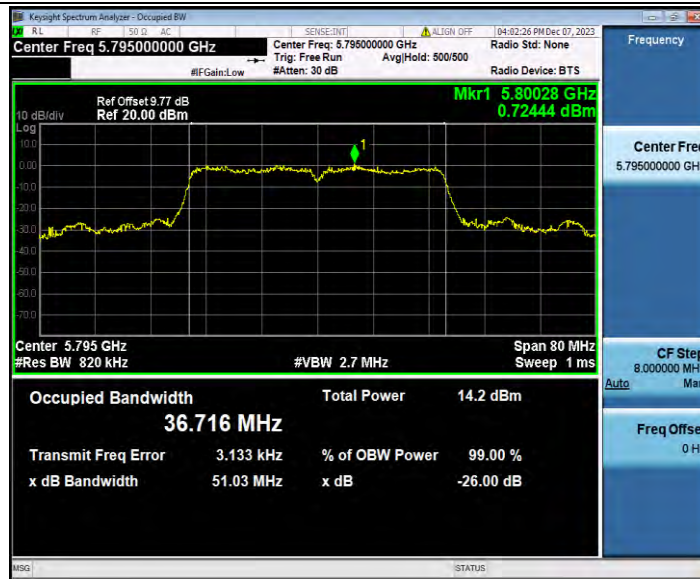
11AC20SISO_Ant1_5785



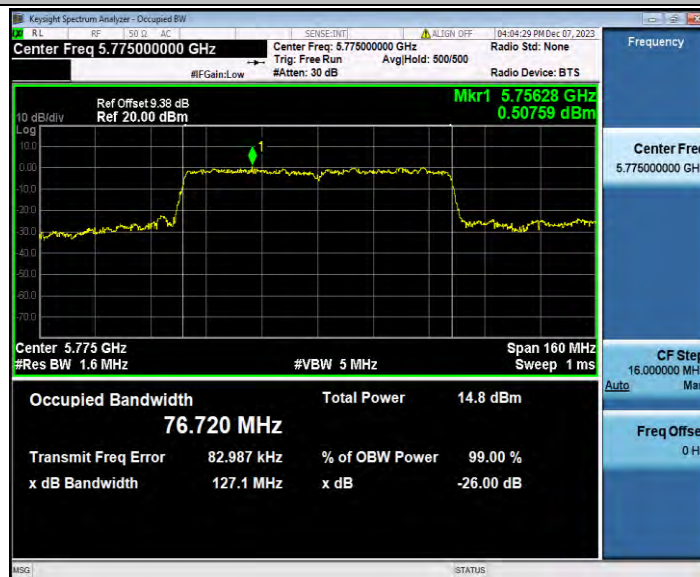
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



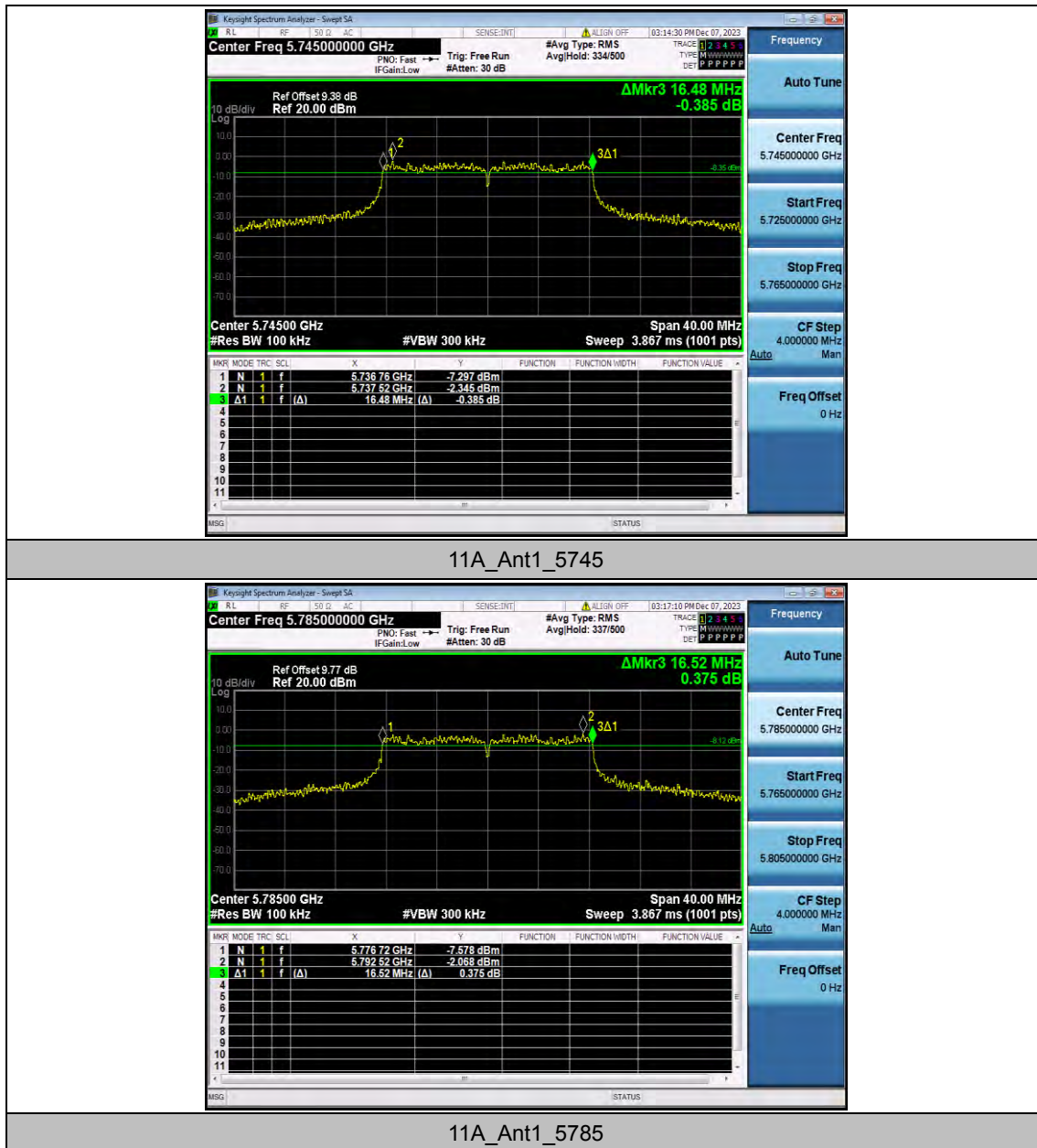
11AC80SISO_Ant1_5775

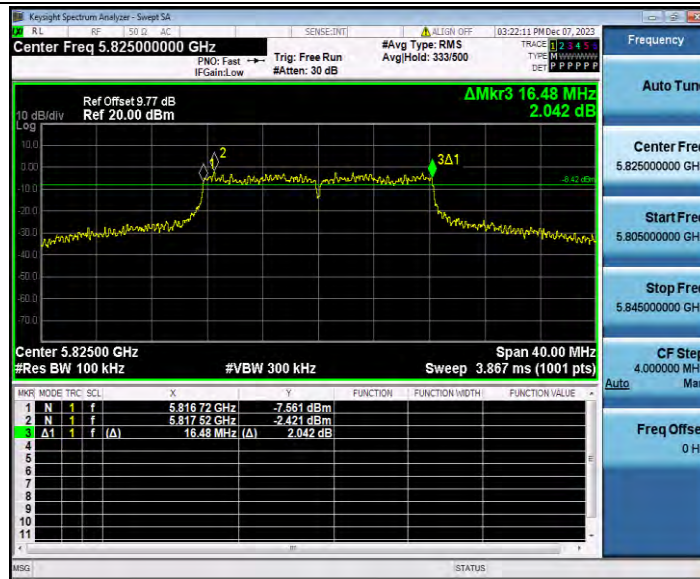
Appendix E.2: Min emission bandwidth

Test Result B4

Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.480	5736.760	5753.240	0.5	PASS
		5785	16.520	5776.720	5793.240	0.5	PASS
		5825	16.480	5816.720	5833.200	0.5	PASS
11N20SISO	Ant1	5745	17.720	5736.120	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	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.680	5736.200	5753.880	0.5	PASS
		5785	17.680	5776.160	5793.840	0.5	PASS
		5825	17.680	5816.160	5833.840	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS
11AC80SISO	Ant1	5775	76.320	5736.760	5813.080	0.5	PASS

Test Graphs B4





11A_Ant1_5825



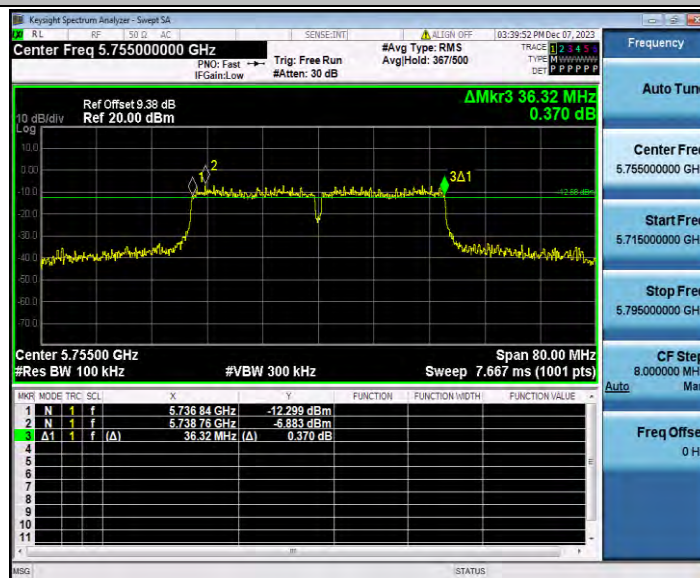
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



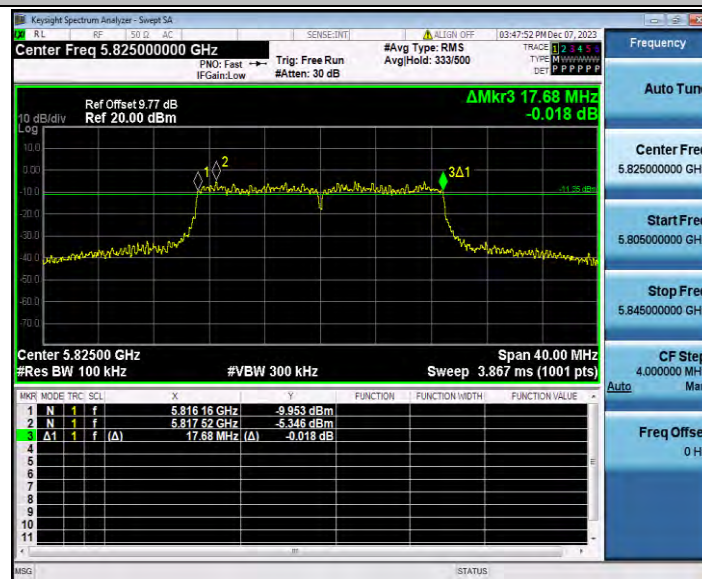
11N20SISO_Ant1_5825



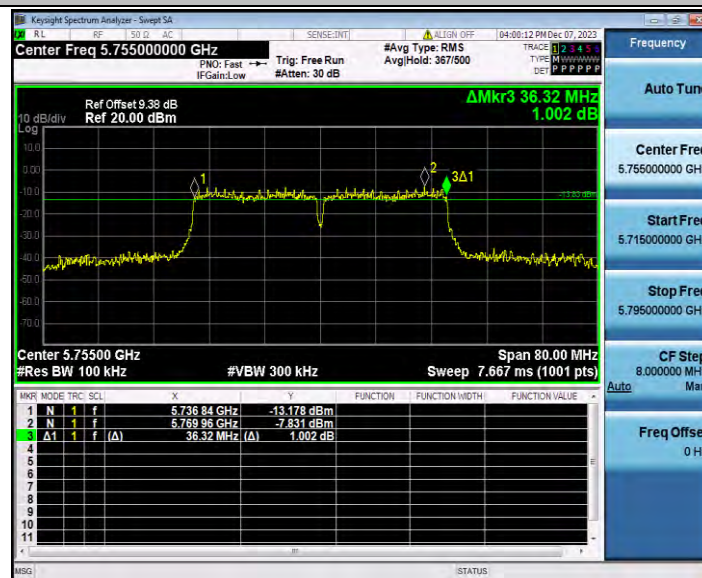
11N40SISO_Ant1_5755



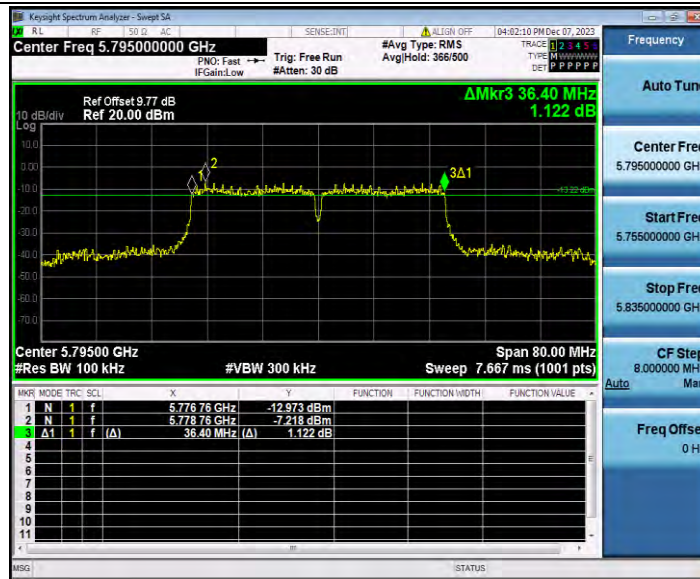
11AC20SISO_Ant1_5785



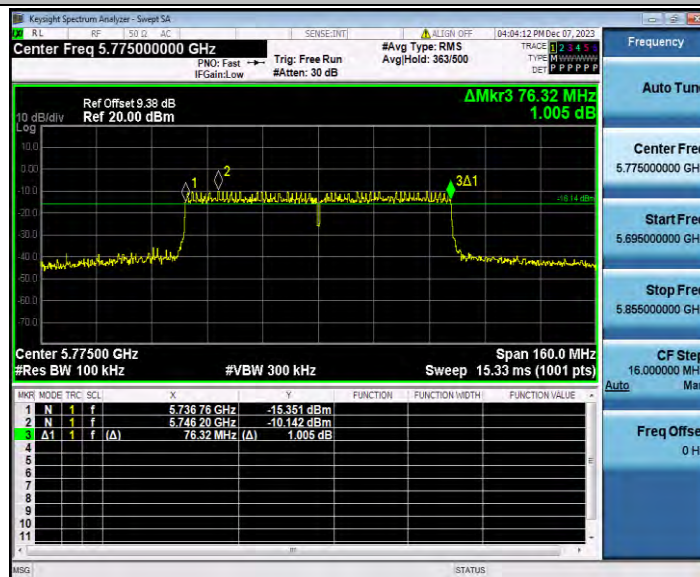
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



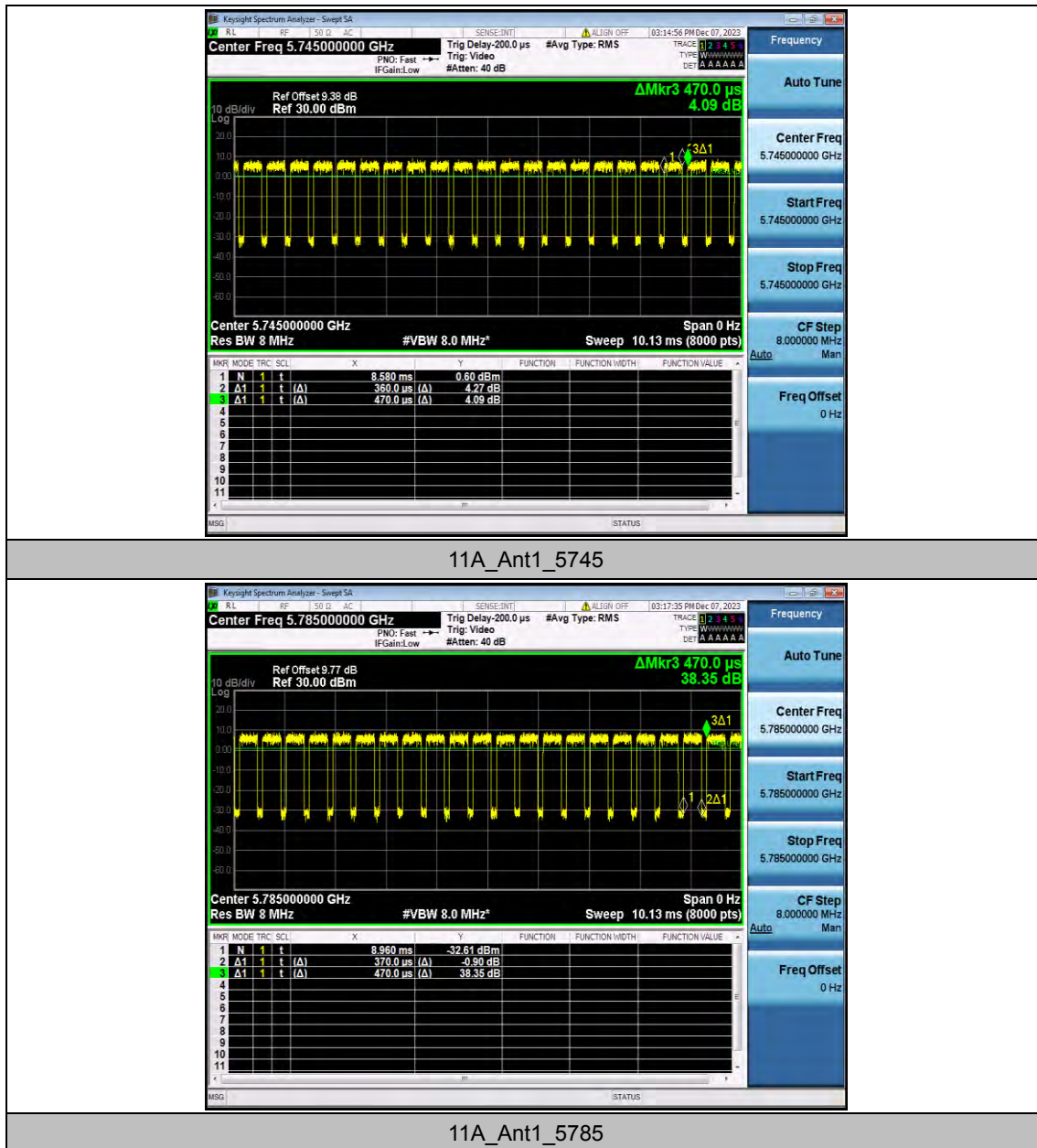
11AC80SISO_Ant1_5775

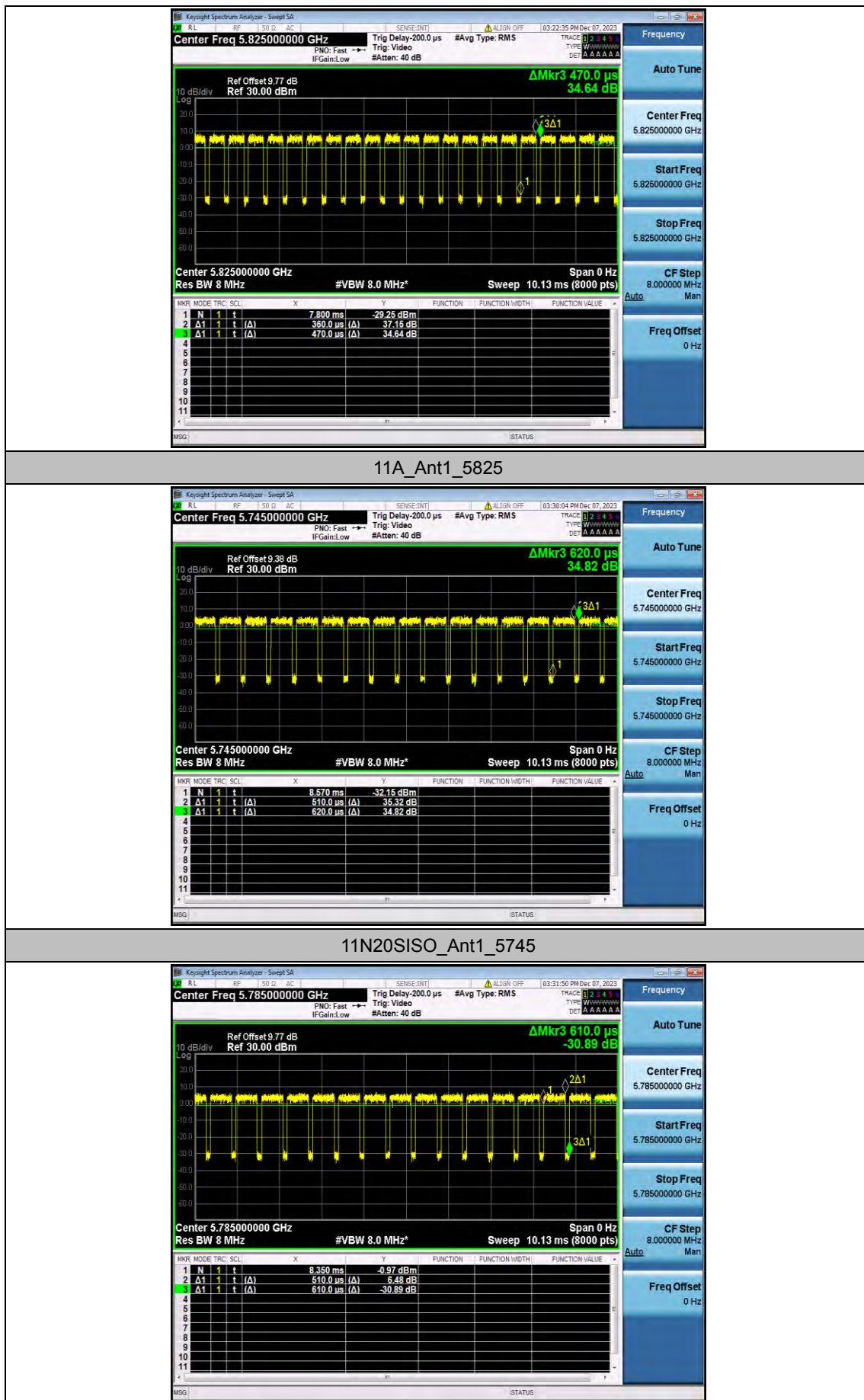
Appendix E.3: Duty Cycle

Test Result

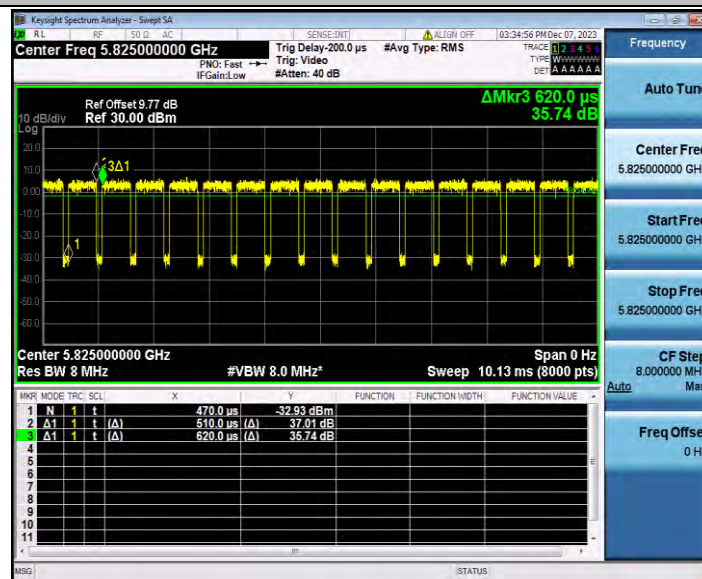
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	0.36	0.47	76.60
		5785	0.37	0.47	78.72
		5825	0.36	0.47	76.60
11N20SISO	Ant1	5745	0.51	0.62	82.26
		5785	0.51	0.61	83.61
		5825	0.51	0.62	82.26
11N40SISO	Ant1	5755	0.26	0.36	72.22
		5795	0.26	0.37	70.27
11AC20SISO	Ant1	5745	0.43	0.55	78.18
		5785	0.43	0.53	81.13
		5825	0.43	0.54	79.63
11AC40SISO	Ant1	5755	0.21	0.31	67.74
		5795	0.22	0.32	68.75
11AC80SISO	Ant1	5775	0.11	0.22	50.00

Test Graphs

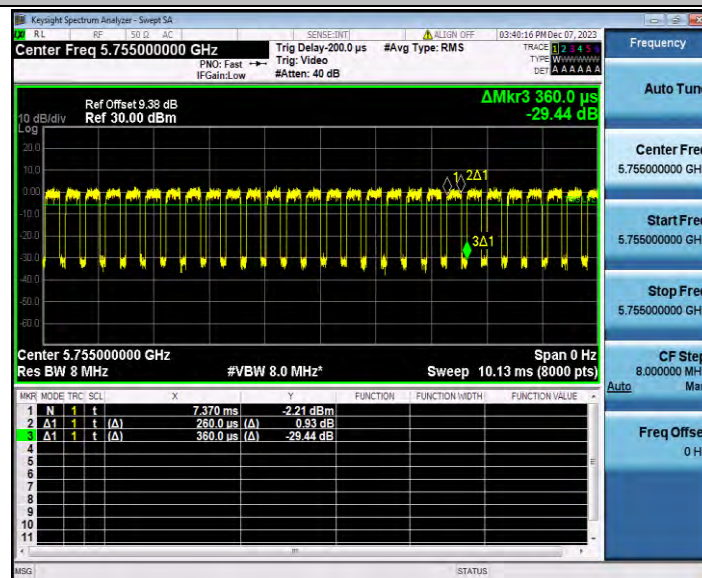




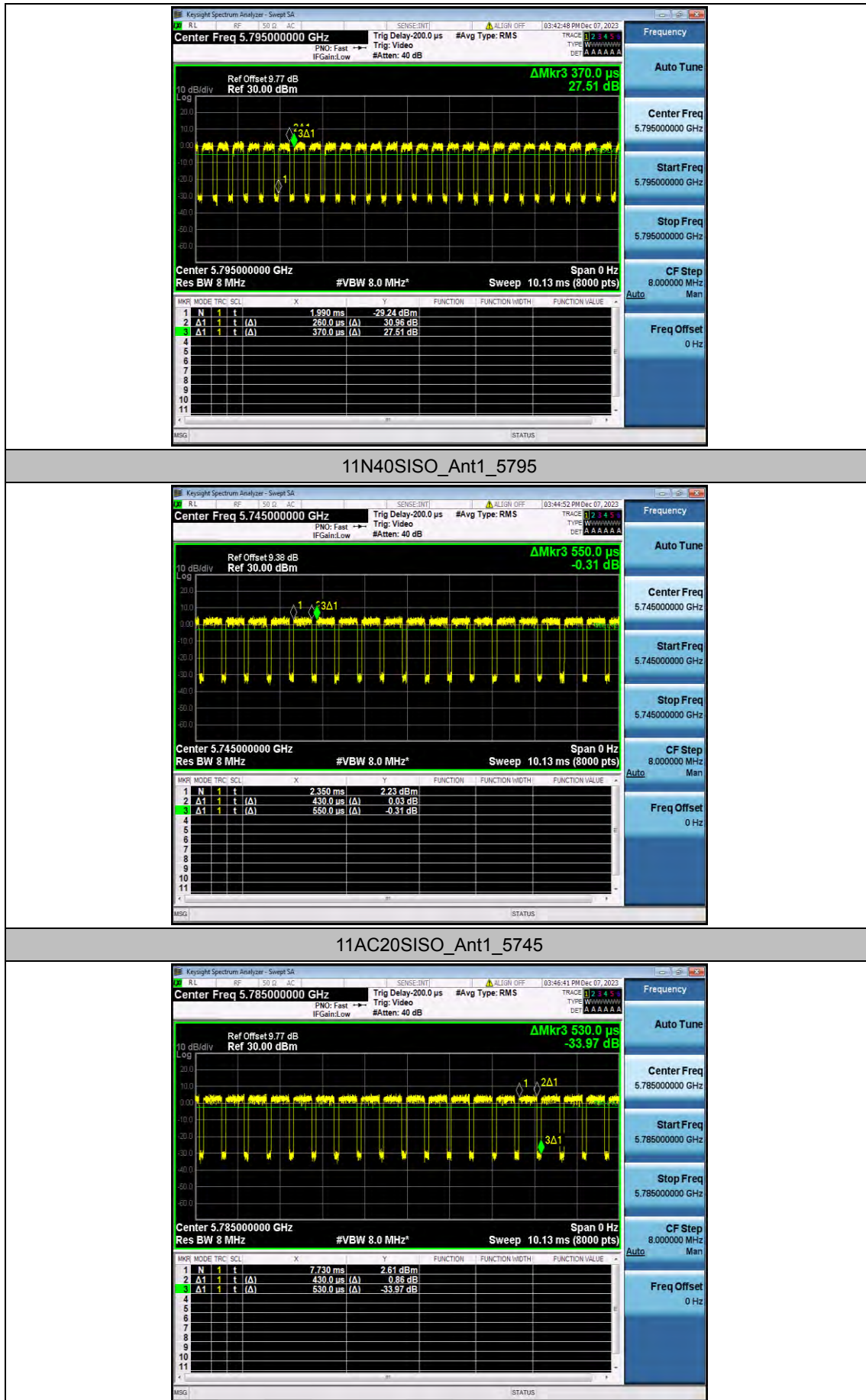
11N20SISO_Ant1_5785



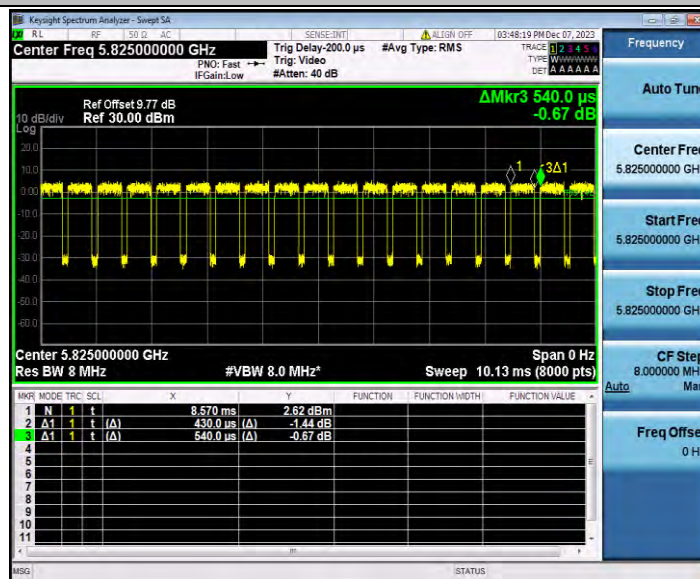
11N20SISO_Ant1_5825



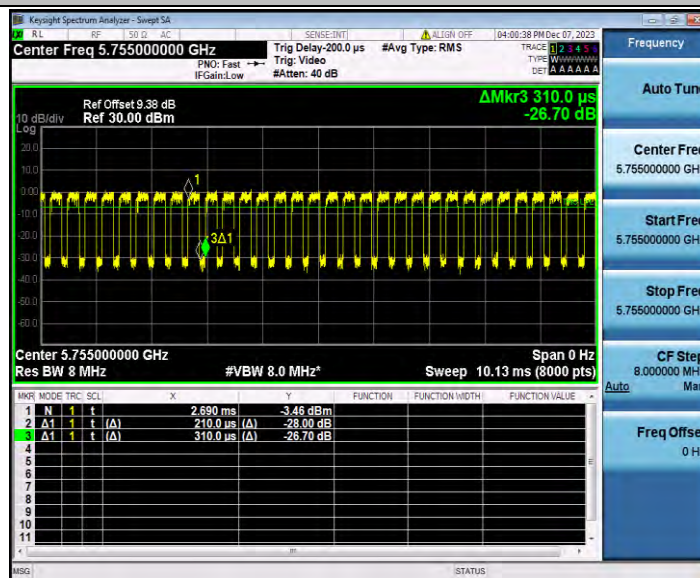
11N40SISO_Ant1_5755



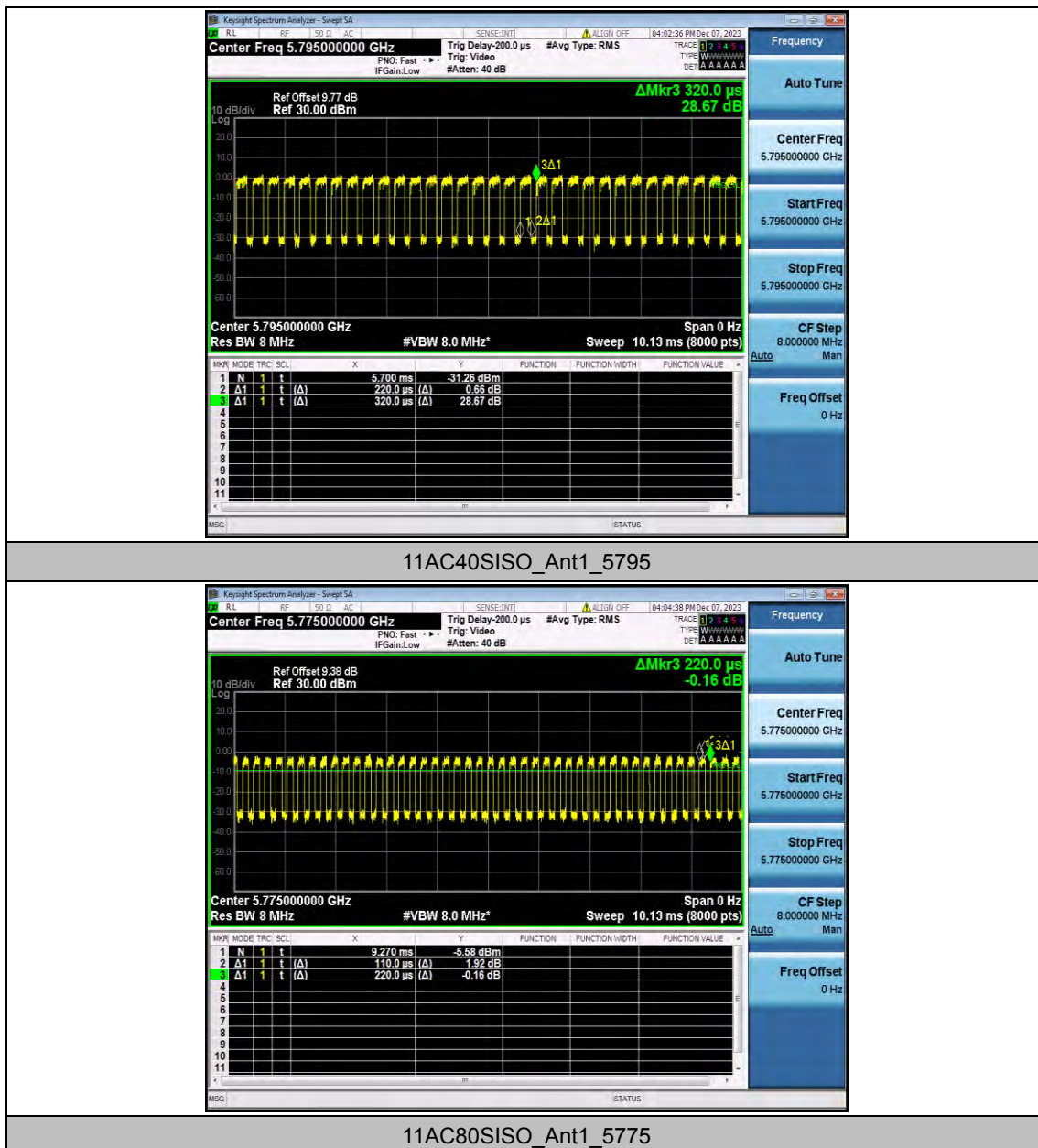
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_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	Ant1	5745	7.69	76.60	1.16	8.85	≤30.00	PASS
		5785	8.14	78.72	1.04	9.18	≤30.00	PASS
		5825	7.79	76.60	1.16	8.95	≤30.00	PASS
11N20SISO	Ant1	5745	6.06	82.26	0.85	6.91	≤30.00	PASS
		5785	6.68	83.61	0.78	7.46	≤30.00	PASS
		5825	6.35	82.26	0.85	7.20	≤30.00	PASS
11N40SISO	Ant1	5755	5.12	72.22	1.41	6.53	≤30.00	PASS
		5795	5.25	70.27	1.53	6.78	≤30.00	PASS
11AC20SISO	Ant1	5745	4.74	78.18	1.07	5.81	≤30.00	PASS
		5785	5.12	81.13	0.91	6.03	≤30.00	PASS
		5825	4.76	79.63	0.99	5.75	≤30.00	PASS
11AC40SISO	Ant1	5755	3.99	67.74	1.69	5.68	≤30.00	PASS
		5795	4.51	68.75	1.63	6.14	≤30.00	PASS
11AC80SISO	Ant1	5775	3.60	50.00	3.01	6.61	≤30.00	PASS

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

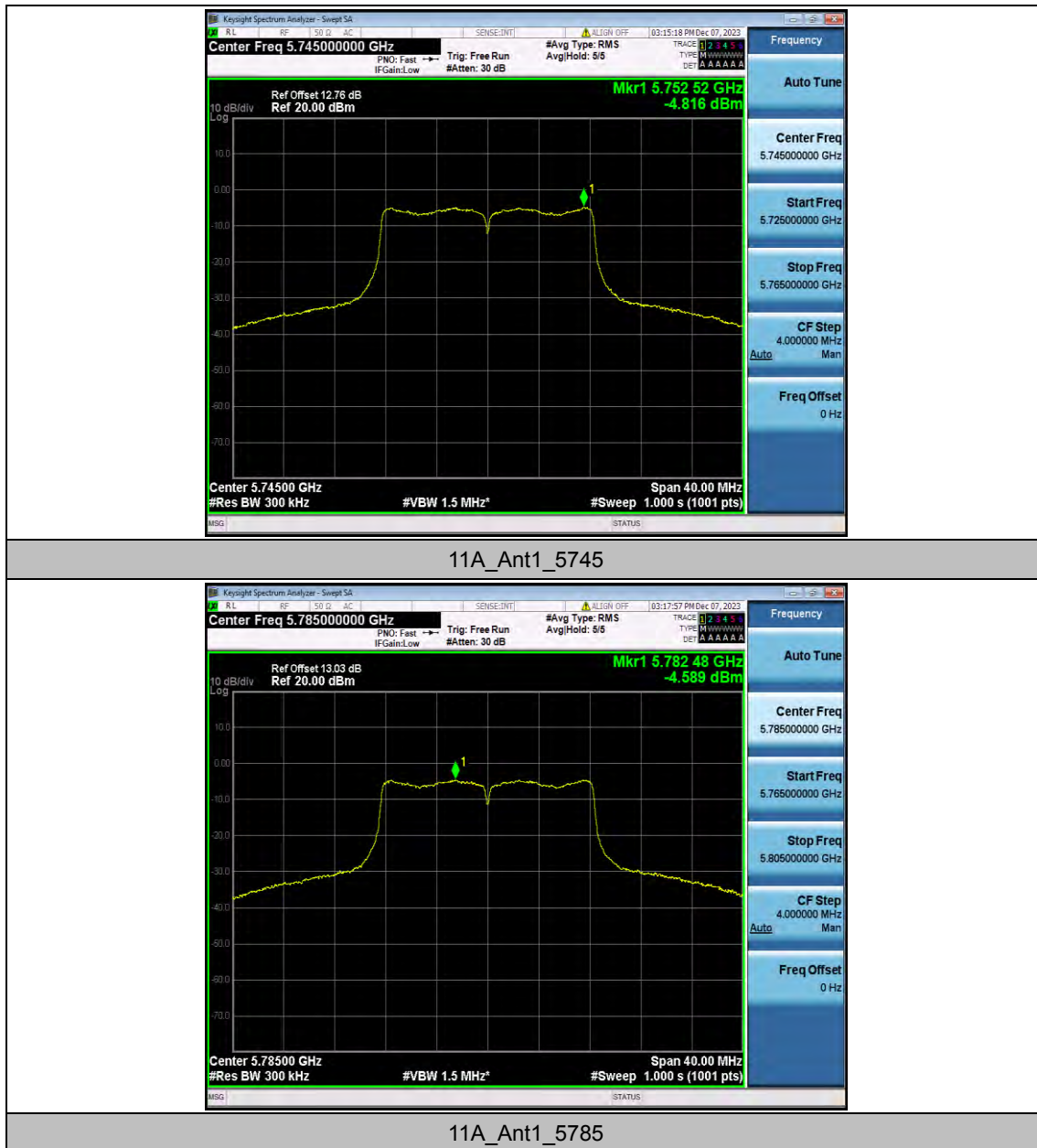
Appendix E.5: Maximum power spectral density

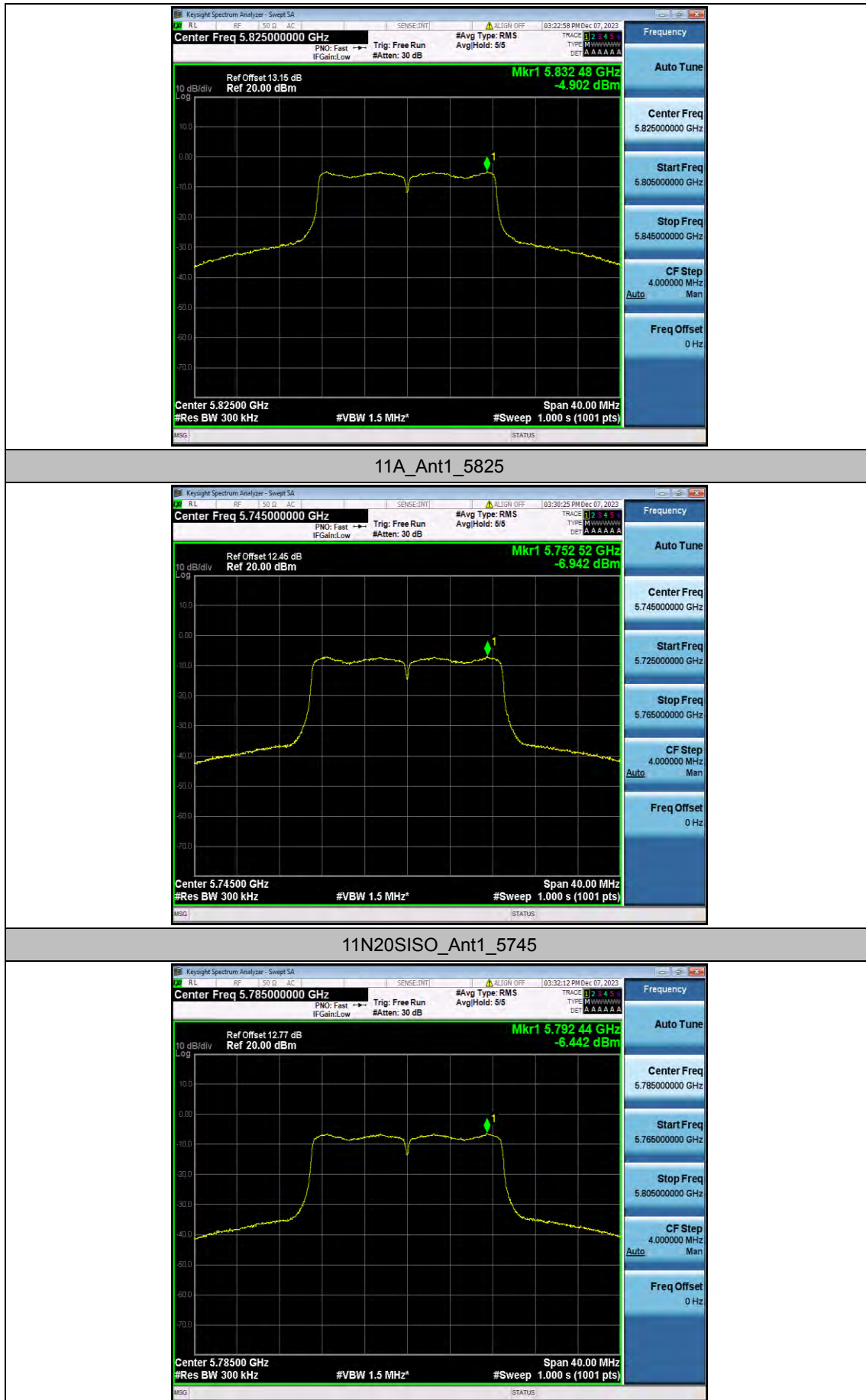
Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-4.82	≤30.00	PASS
		5785	-4.59	≤30.00	PASS
		5825	-4.9	≤30.00	PASS
11N20SISO	Ant1	5745	-6.94	≤30.00	PASS
		5785	-6.44	≤30.00	PASS
		5825	-6.84	≤30.00	PASS
11N40SISO	Ant1	5755	-9.84	≤30.00	PASS
		5795	-9.25	≤30.00	PASS
11AC20SISO	Ant1	5745	-8.07	≤30.00	PASS
		5785	-7.78	≤30.00	PASS
		5825	-8.25	≤30.00	PASS
11AC40SISO	Ant1	5755	-10.65	≤30.00	PASS
		5795	-10	≤30.00	PASS
11AC80SISO	Ant1	5775	-12.8	≤30.00	PASS

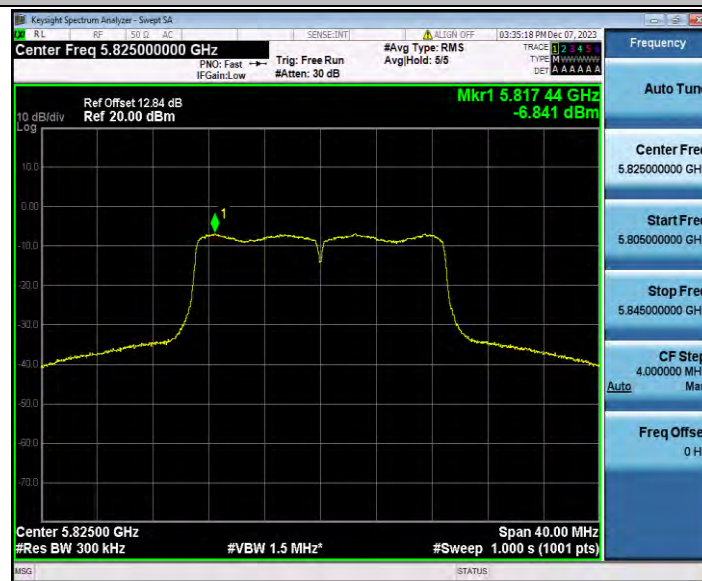
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

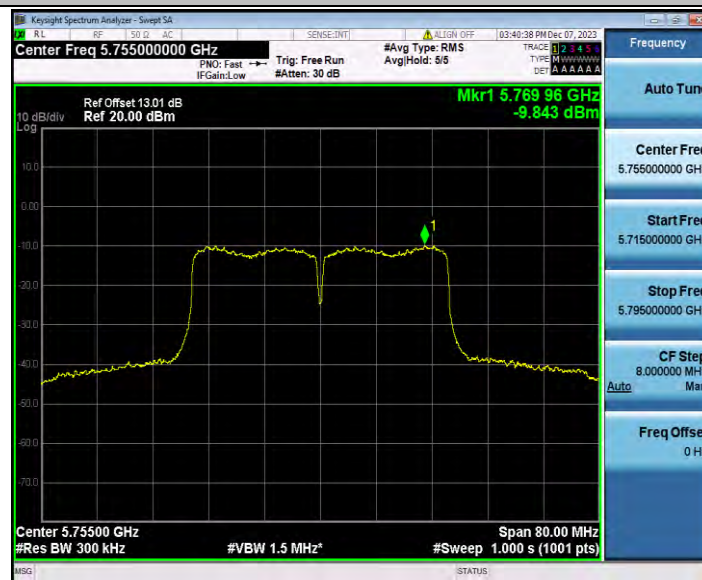




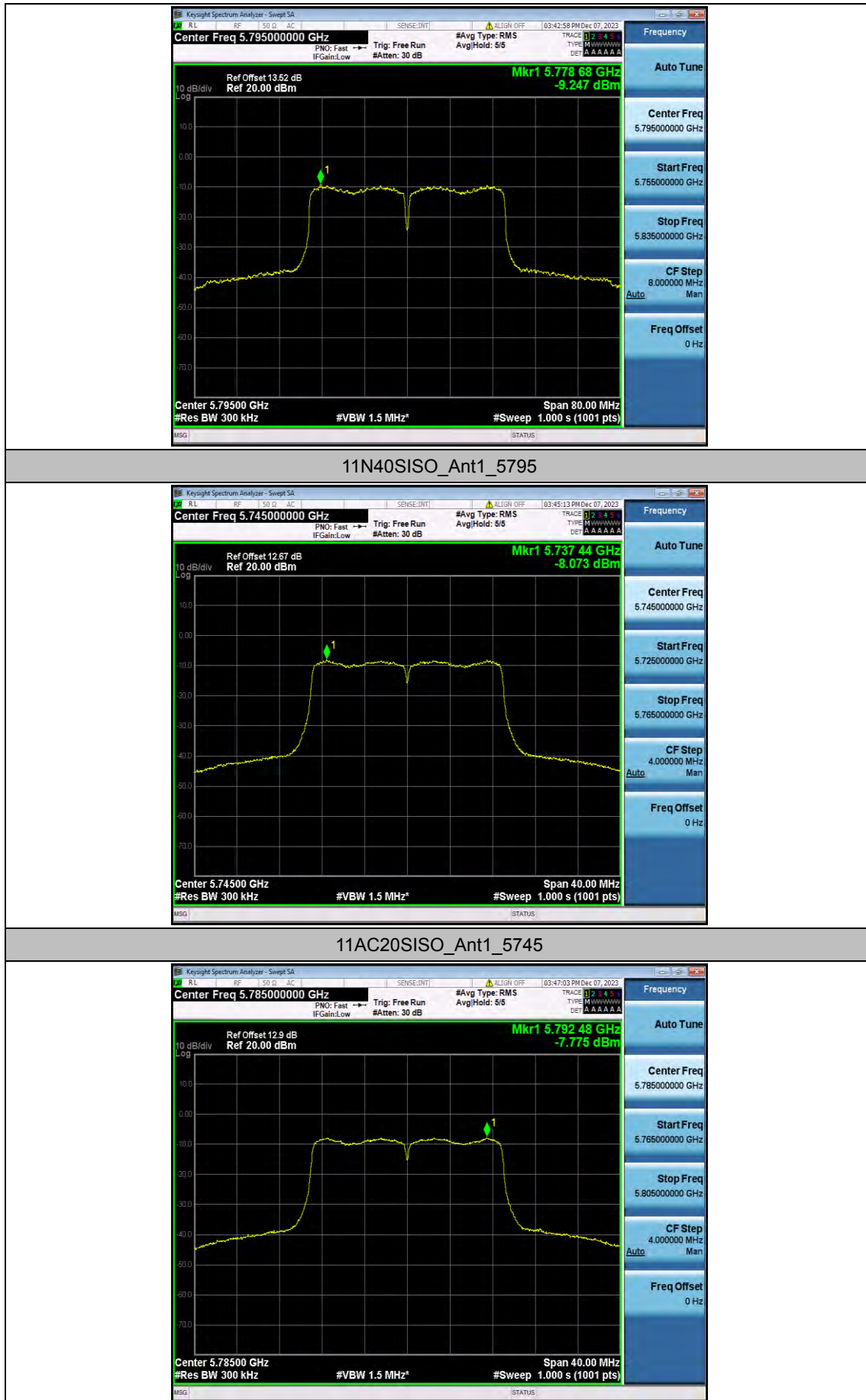
11N20SISO_Ant1_5785



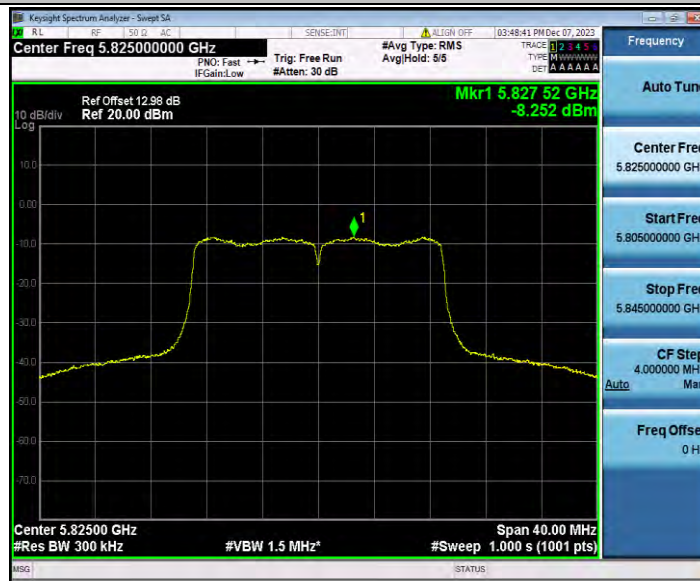
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



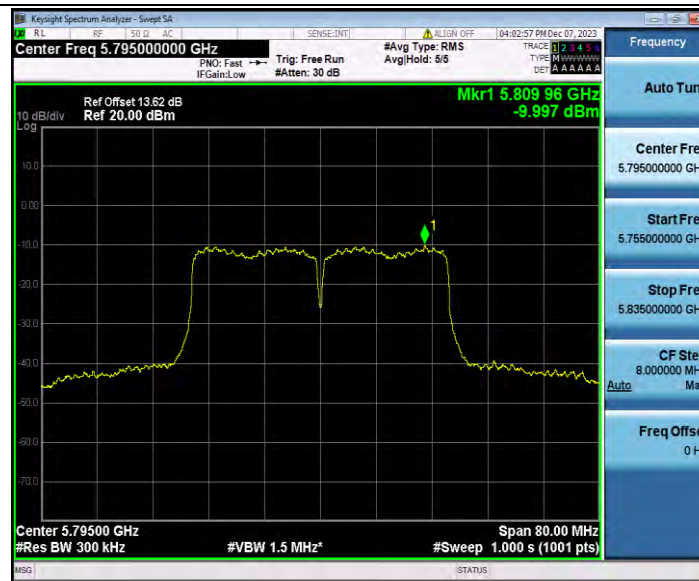
11AC20SISO_Ant1_5785



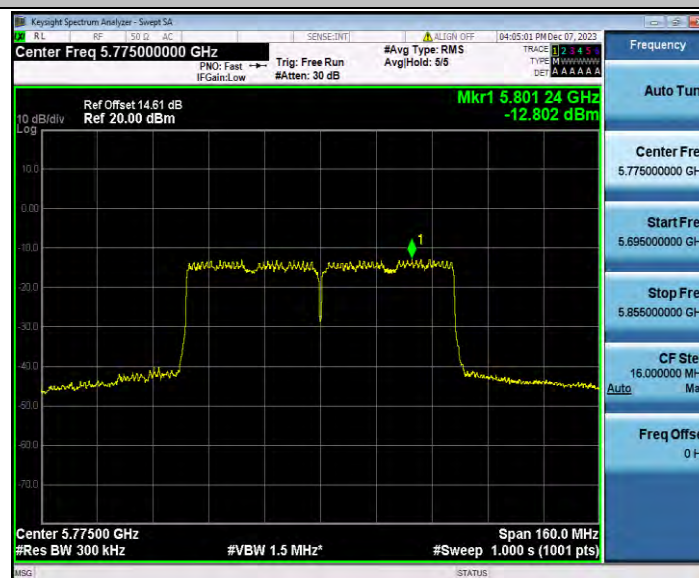
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

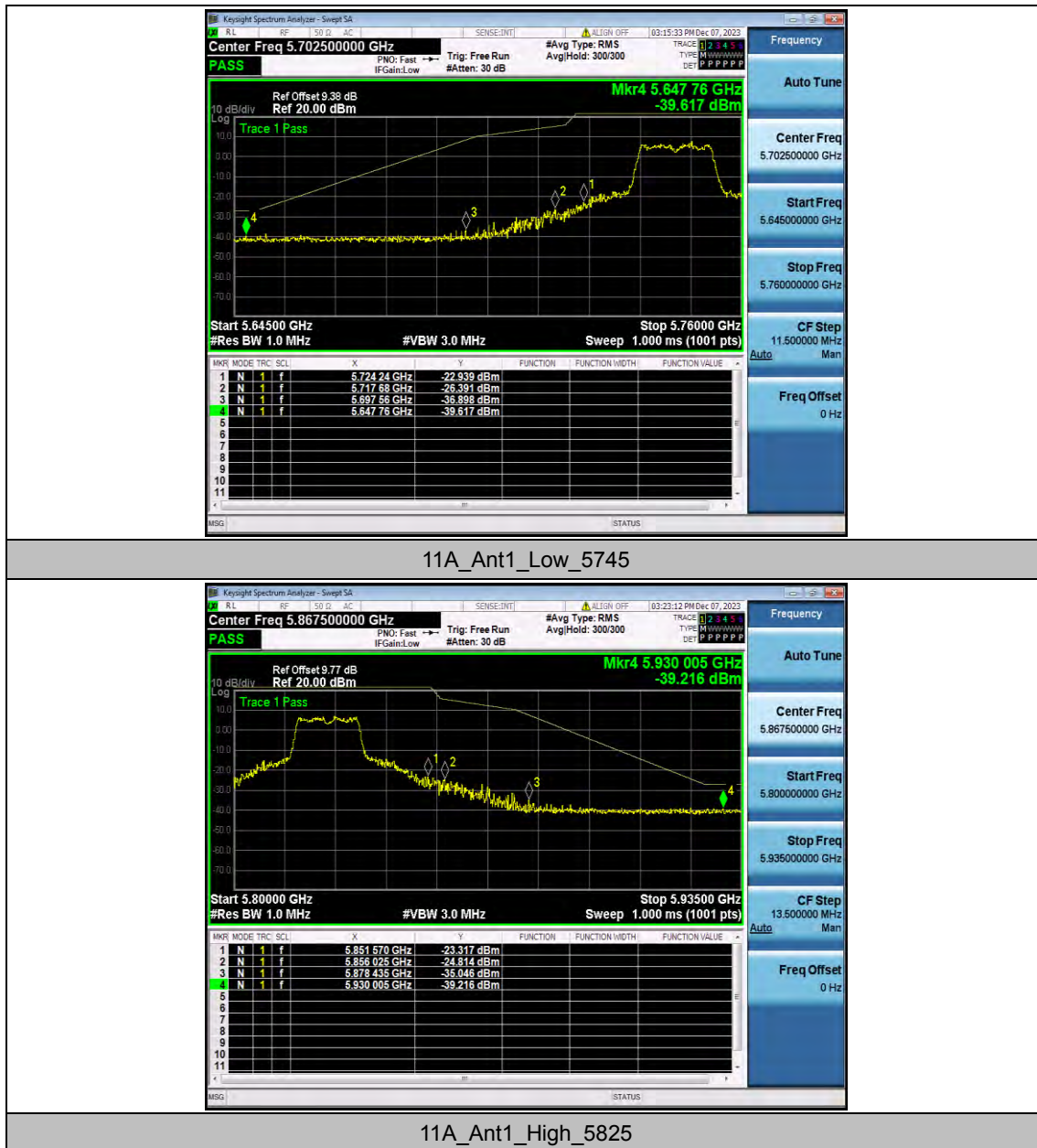
Appendix E.6: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-36.9	≤8.19	PASS
				5700~5720	-26.39	≤14.95	PASS
				5720~5725	-22.94	≤25.26	PASS
				5760~5650	-39.62	≤-27	PASS
		High	5825	5850~5855	-23.32	≤19.18	PASS
				5855~5875	-24.81	≤10.29	PASS
				5875~5925	-35.05	≤-24.46	PASS
				5925~5935	-39.22	≤-27	PASS
11N20SISO	Ant1	Low	5745	5650~5700	-38.12	≤8.96	PASS
				5700~5720	-30.26	≤15.34	PASS
				5720~5725	-22.22	≤26.04	PASS
				5760~5650	-40.15	≤-27	PASS
		High	5825	5850~5855	-28.19	≤17.33	PASS
				5855~5875	-28.78	≤11.91	PASS
				5875~5925	-37.94	≤-18.16	PASS
				5925~5935	-38.96	≤-27	PASS
11N40SISO	Ant1	Low	5755	5650~5700	-33.82	≤9.06	PASS
				5700~5720	-25.55	≤15.20	PASS
				5720~5725	-25.18	≤25.59	PASS
				5780~5650	-39.2	≤-27	PASS
		High	5795	5850~5855	-32.51	≤21.30	PASS
				5855~5875	-32.83	≤12.90	PASS
				5875~5925	-35.68	≤-23.50	PASS
				5925~5935	-38.47	≤-27	PASS
11AC20SISO	Ant1	Low	5745	5650~5700	-39.02	≤0.36	PASS
				5700~5720	-33.3	≤14.79	PASS
				5720~5725	-26.36	≤26.57	PASS
				5760~5650	-39.53	≤-27	PASS
		High	5825	5850~5855	-30.73	≤23.18	PASS
				5855~5875	-36.62	≤11.27	PASS
				5875~5925	-38.23	≤2.22	PASS
				5925~5935	-38.04	≤-27	PASS
11AC40SISO	Ant1	Low	5755	5650~5700	-37.92	≤8.56	PASS
				5700~5720	-28.04	≤15.54	PASS
				5720~5725	-27.14	≤16.97	PASS

		High	5795	5780~5650	-40.64	≤ -27	PASS
				5850~5855	-36.48	≤ 20.92	PASS
				5855~5875	-38.54	≤ 12.16	PASS
				5875~5925	-38.03	≤ 0.06	PASS
				5925~5935	-38.77	≤ -27	PASS
11AC80SI SO	Ant1	Low	5775	5650~5700	-30.87	≤ -6.61	PASS
				5700~5720	-30.49	≤ 14.61	PASS
				5720~5725	-29.85	≤ 19.89	PASS
				5800~5650	-38.93	≤ -27	PASS
		High	5775	5850~5855	-27.97	≤ 17.06	PASS
				5855~5875	-28.53	≤ 10.18	PASS
				5875~5925	-33.63	≤ -26.96	PASS
				5925~5935	-38.79	≤ -27	PASS

Test Graphs B4





11N20SISO_Ant1_Low_5745



11N20SISO_Ant1_High_5825



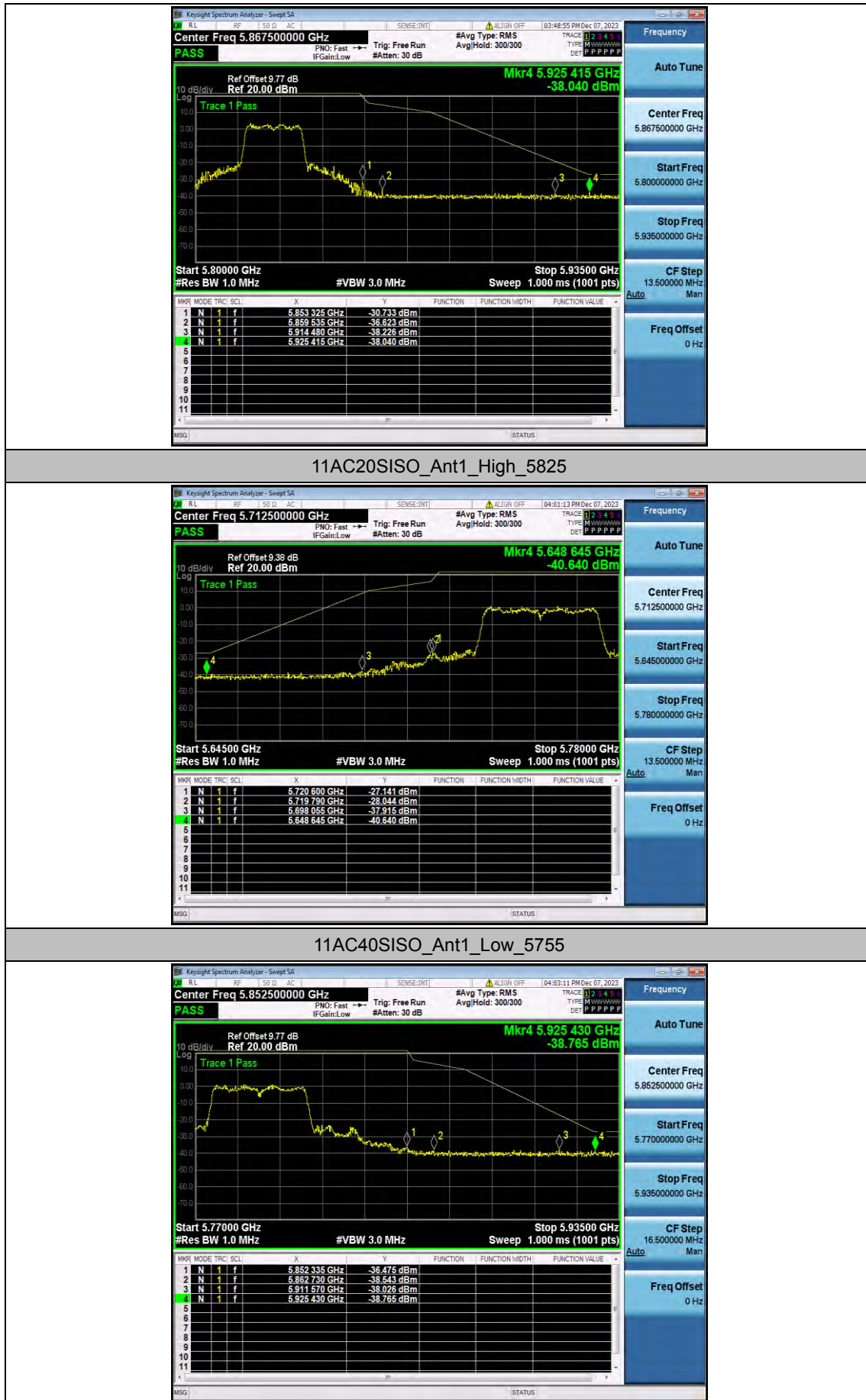
11N40SISO_Ant1_Low_5755



11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



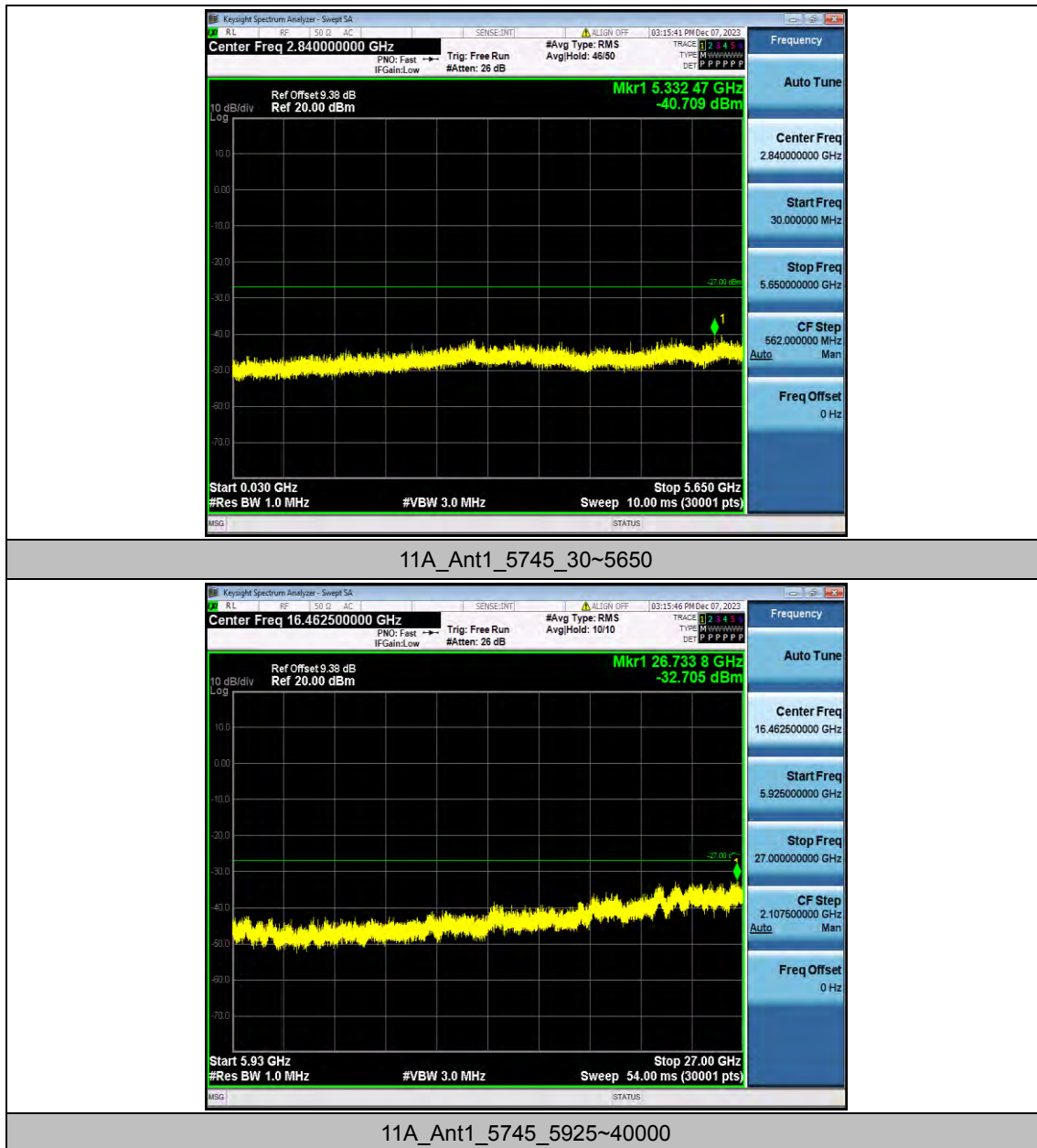
11AC80SISO_Ant1_High_5775

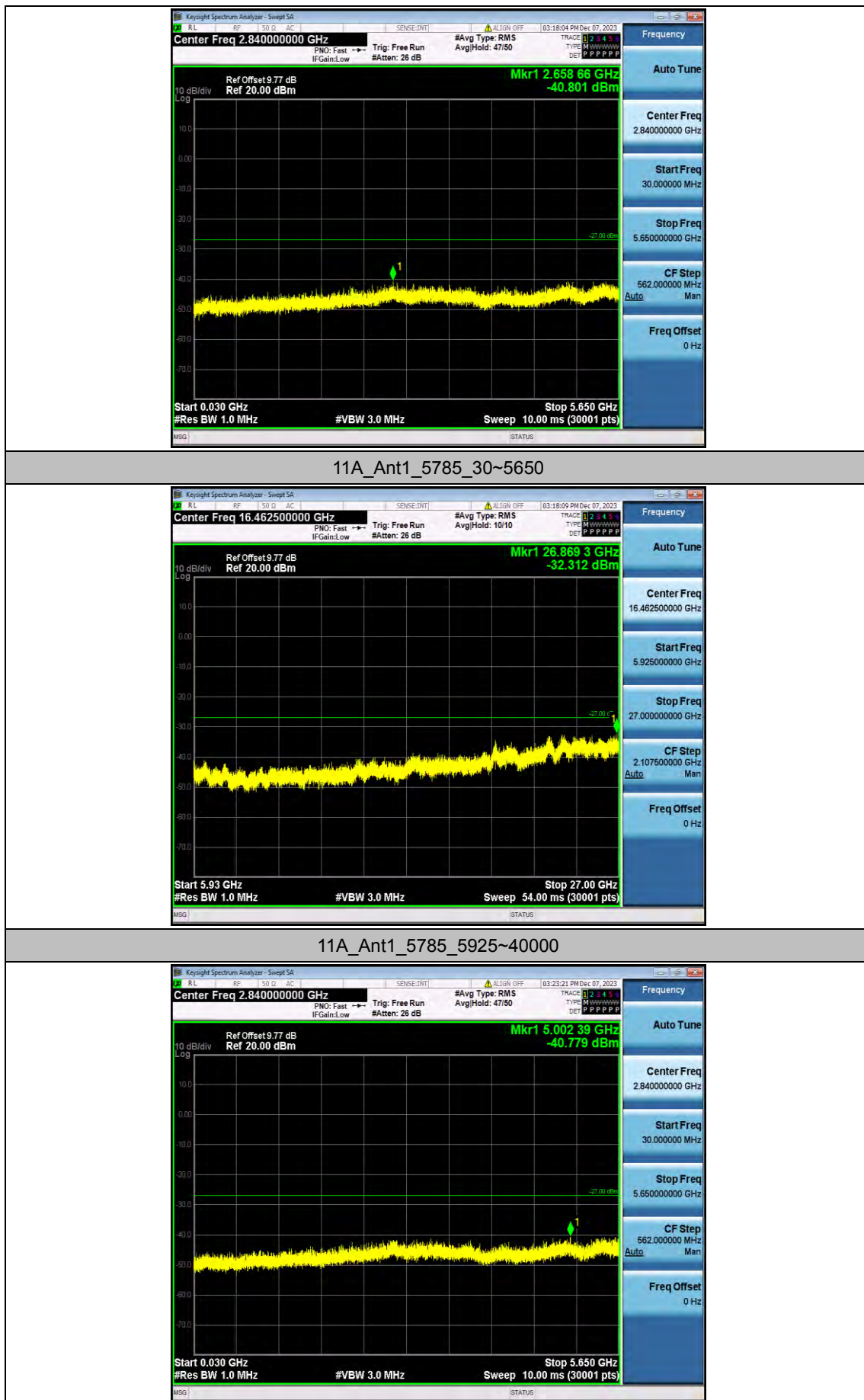
Appendix E.7: Conducted Spurious Emission

Test Result

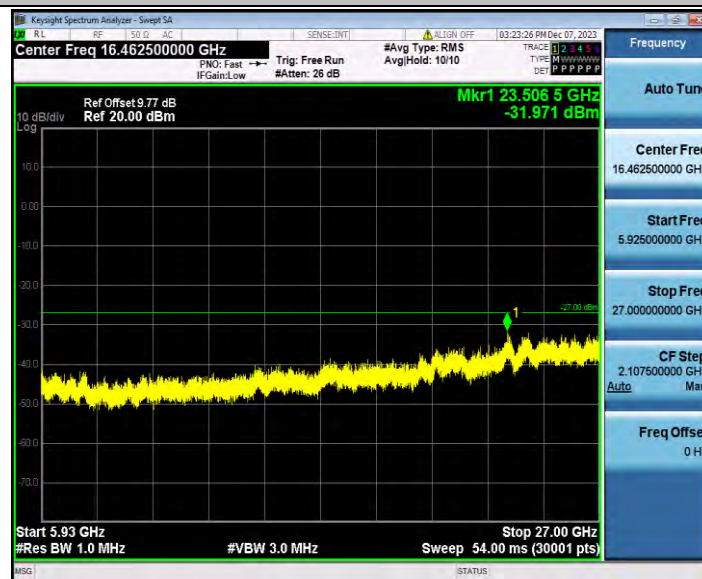
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5332.47	-40.71	≤-27	PASS
			5925~40000	26733.75	-32.71	≤-27	PASS
		5785	30~5650	2658.66	-40.8	≤-27	PASS
			5925~40000	26869.34	-32.31	≤-27	PASS
		5825	30~5650	5002.39	-40.78	≤-27	PASS
			5925~40000	23506.47	-31.97	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	4849.71	-41.02	≤-27	PASS
			5925~40000	25233.92	-31.6	≤-27	PASS
		5785	30~5650	2683.01	-39.86	≤-27	PASS
			5925~40000	24763.24	-32.05	≤-27	PASS
		5825	30~5650	5482.34	-39.47	≤-27	PASS
			5925~40000	26841.24	-31.39	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5502.01	-40.87	≤-27	PASS
			5925~40000	24355.09	-32.31	≤-27	PASS
		5795	30~5650	4936.45	-39.84	≤-27	PASS
			5925~40000	26942.4	-31.83	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	3395.26	-41.51	≤-27	PASS
			5925~40000	25074.45	-32.05	≤-27	PASS
		5785	30~5650	5410.78	-40.47	≤-27	PASS
			5925~40000	26830.7	-32.33	≤-27	PASS
		5825	30~5650	2694.63	-39.44	≤-27	PASS
			5925~40000	24153.47	-32.28	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5410.21	-40.98	≤-27	PASS
			5925~40000	23544.4	-32.74	≤-27	PASS
		5795	30~5650	5620.4	-40.75	≤-27	PASS
			5925~40000	26070.59	-32.02	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	4338.85	-39.17	≤-27	PASS
			5925~40000	25968.73	-31.64	≤-27	PASS

Test Graphs





11A_Ant1_5825_30~5650



11A_Ant1_5825_5925~40000



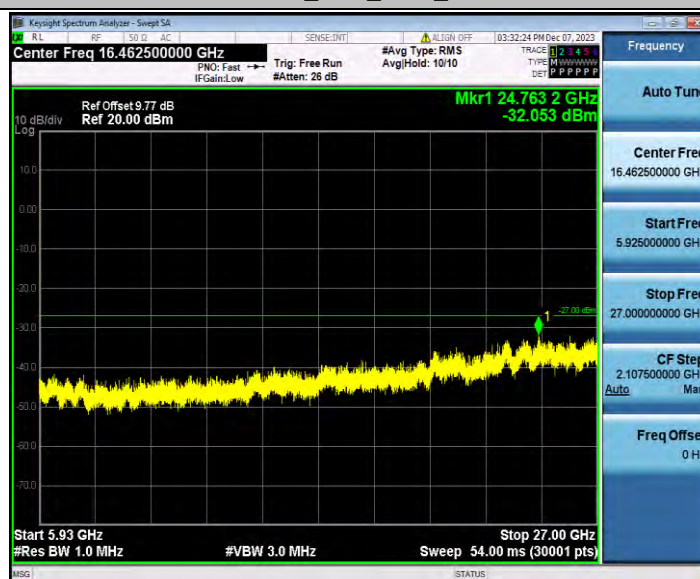
11N20SISO_Ant1_5745_30~5650



11N20SISO_Ant1_5745_5925~40000



11N20SISO_Ant1_5785_30~5650



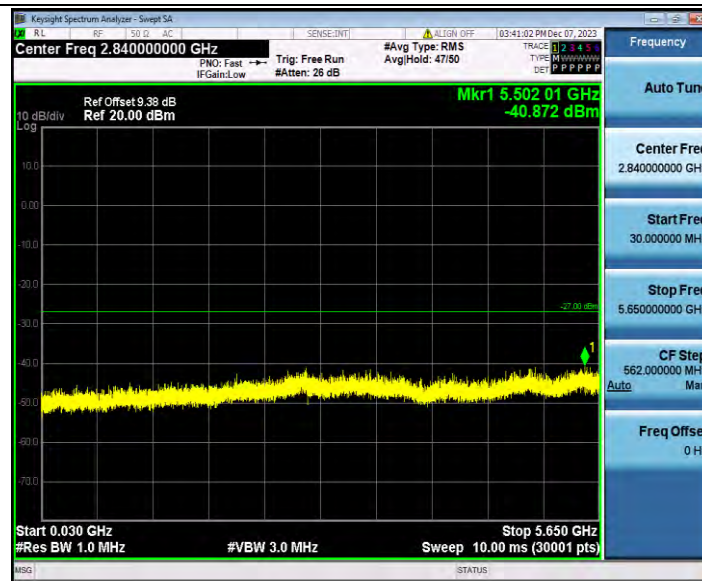
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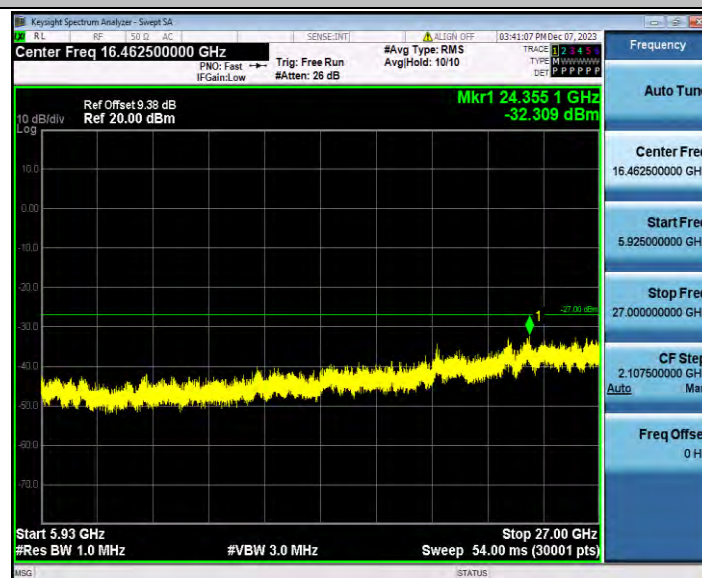
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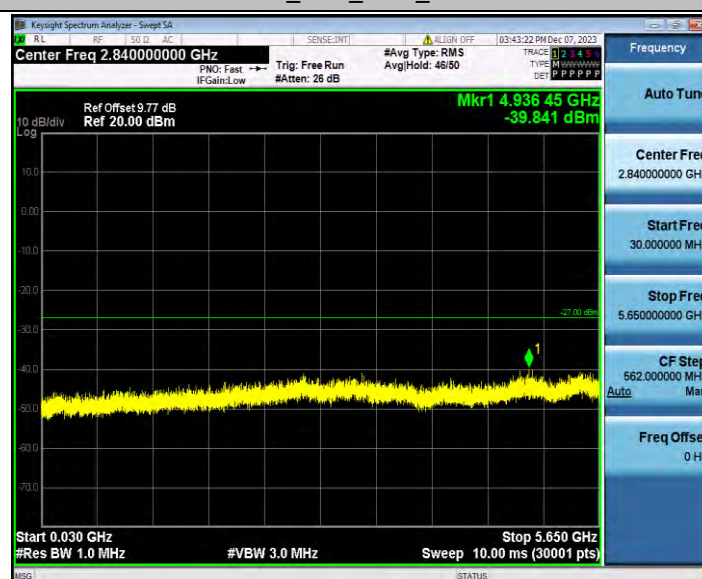
11N20SISO_Ant1_5825_5925~40000



11N40SISO_Ant1_5755_30~5650



11N40SISO_Ant1_5755_5925~40000



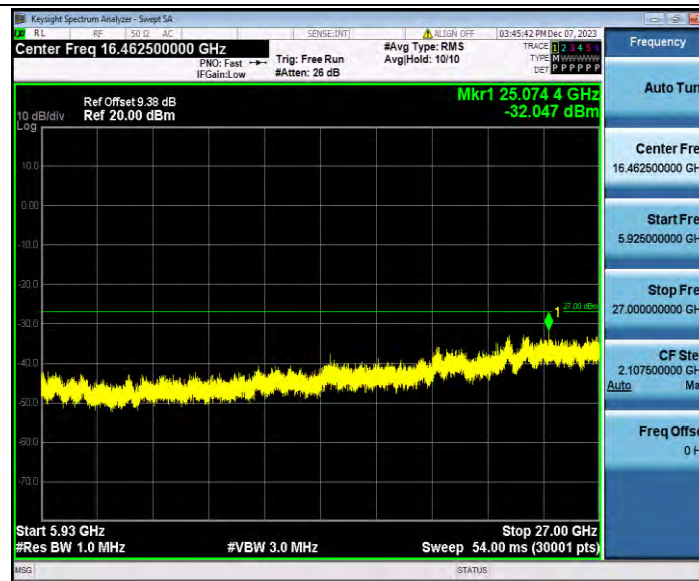
11N40SISO_Ant1_5795_30~5650



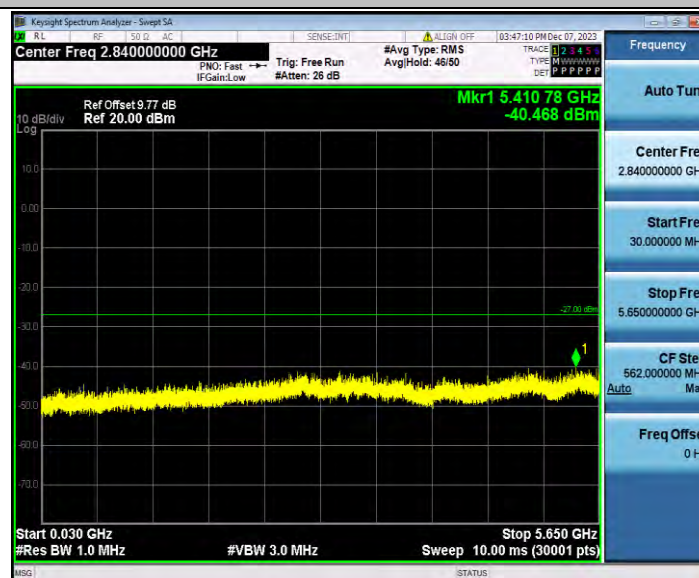
11N40SISO_Ant1_5795_5925~40000



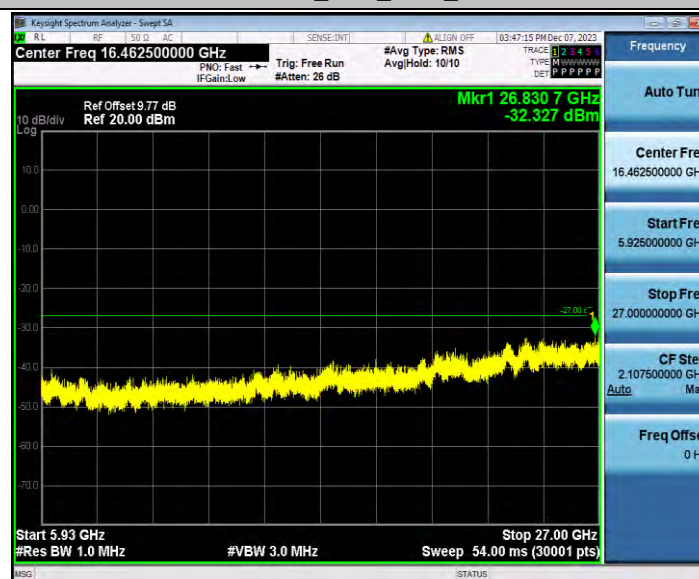
11AC20SISO_Ant1_5745_30~5650



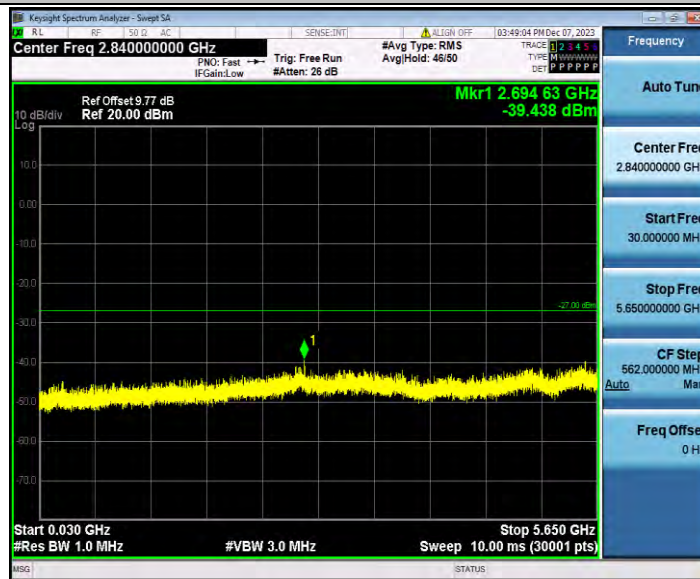
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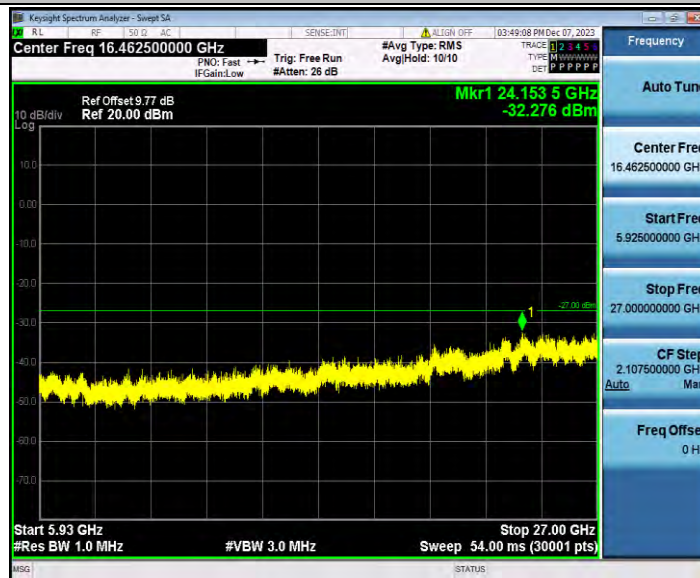
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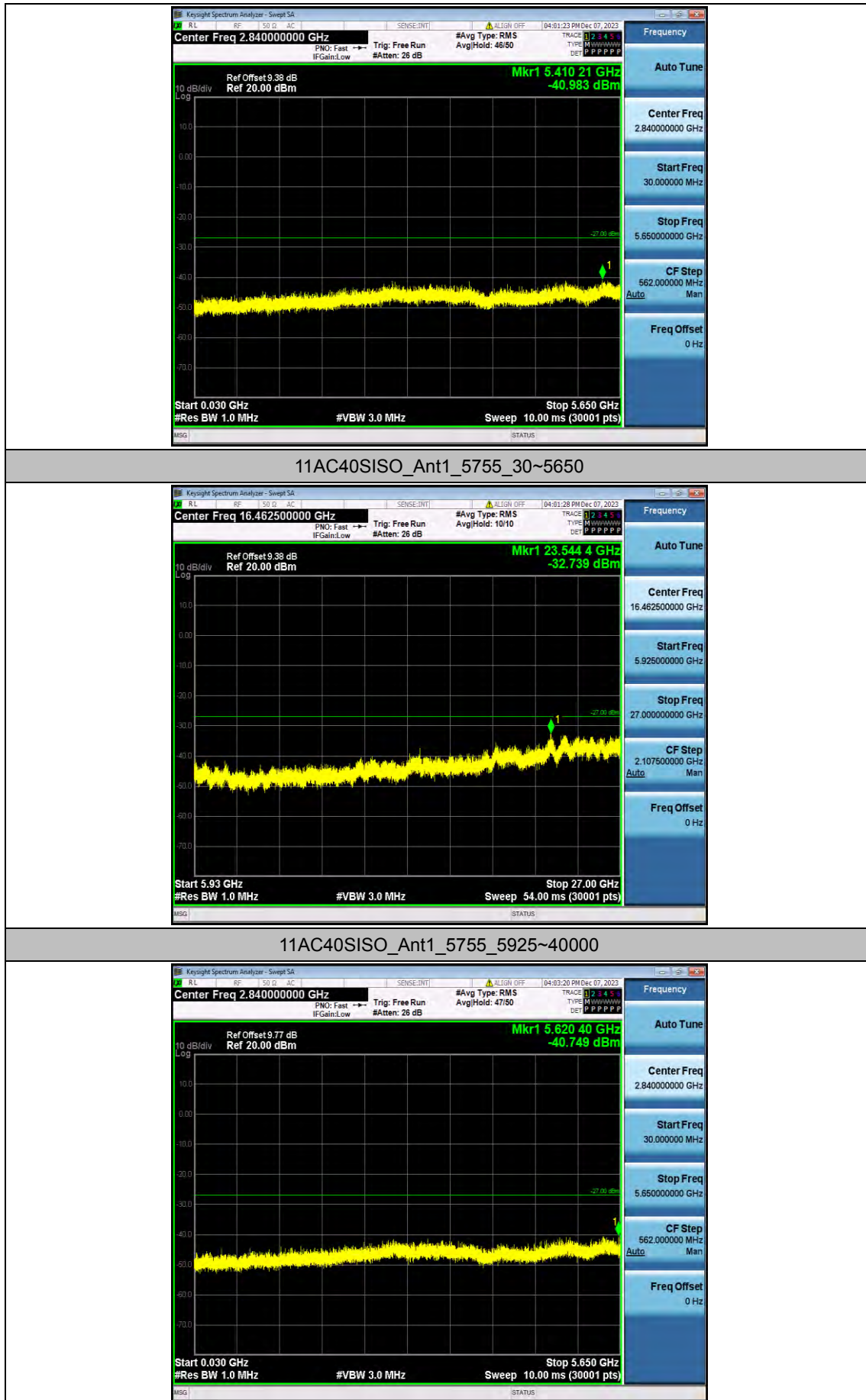
11AC20SISO_Ant1_5785_5925~40000



11AC20SISO_Ant1_5825_30~5650



11AC20SISO_Ant1_5825_5925~40000



11AC40SISO_Ant1_5795_30~5650



11AC40SISO_Ant1_5795_5925~40000



11AC80SISO_Ant1_5775_30~5650

