

Case No. : <u>GTS20221027005-2-9</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.12.14</u>	Test Engineer: <u>Jenny zeng</u>

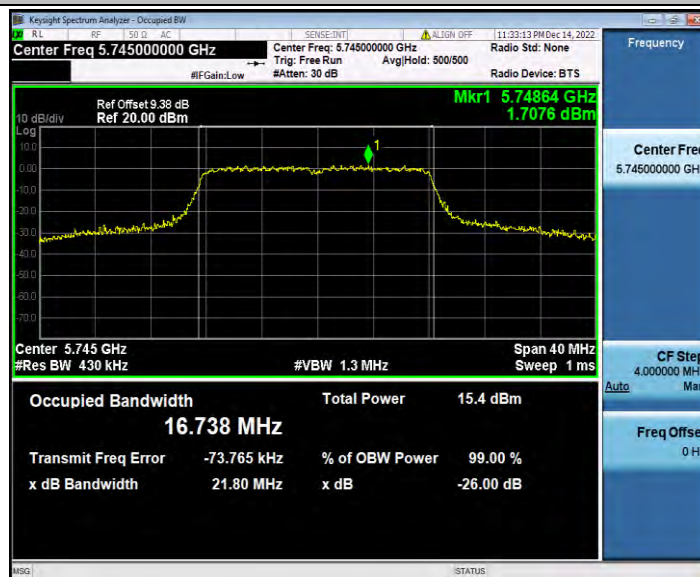
Appendix C.1: Occupied channel bandwidth

Test Result

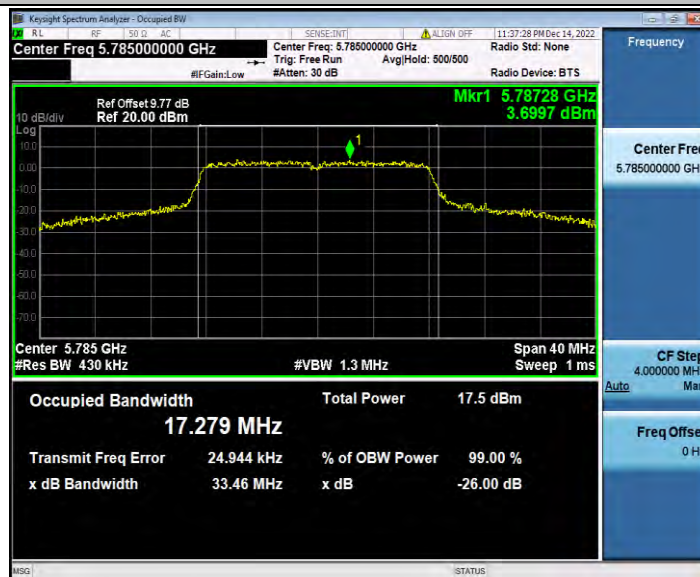
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.738	5736.557	5753.295	---	---
		5785	17.279	5776.385	5793.664	---	---
		5825	17.932	5816.339	5834.271	---	---
11N20SISO	Ant1	5745	18.116	5735.960	5754.076	---	---
		5785	18.283	5775.859	5794.142	---	---
		5825	18.632	5815.880	5834.512	---	---
11N40SISO	Ant1	5755	36.834	5736.684	5773.518	---	---
		5795	37.972	5776.659	5814.631	---	---
11AC20SISO	Ant1	5745	18.156	5735.929	5754.085	---	---
		5785	18.270	5775.900	5794.170	---	---
		5825	18.609	5815.872	5834.481	---	---
11AC40SISO	Ant1	5755	36.883	5736.684	5773.567	---	---
		5795	38.916	5776.638	5815.554	---	---
11AC80SISO	Ant1	5775	77.215	5736.942	5814.157	---	---

Test Graphs

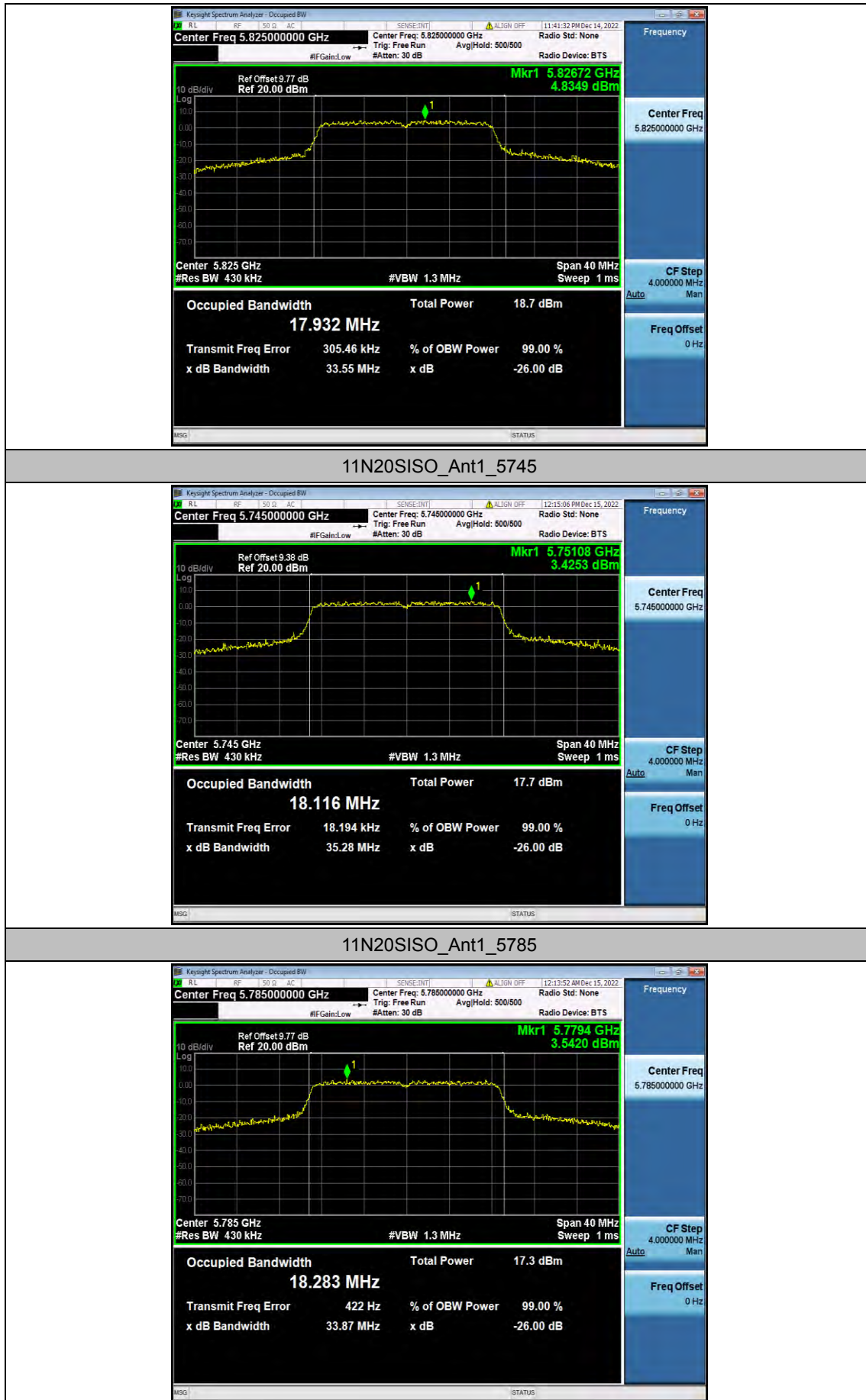
11A_Ant1_5745



11A_Ant1_5785



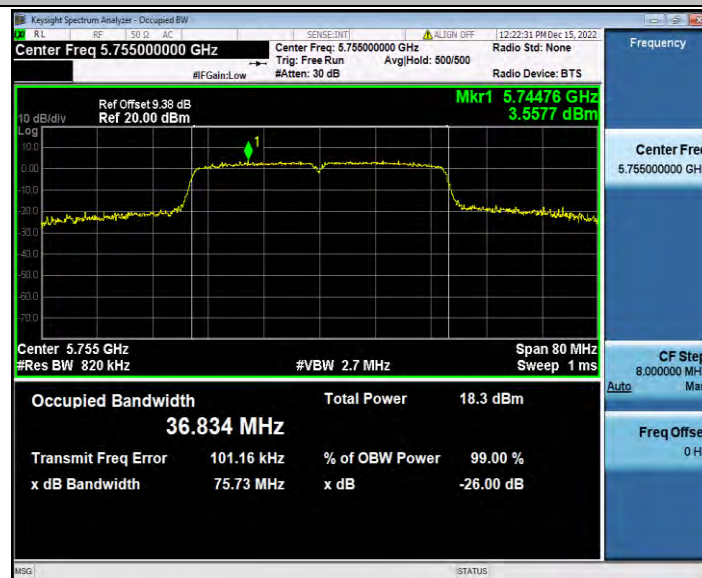
11A_Ant1_5825



11N20SISO_Ant1_5825



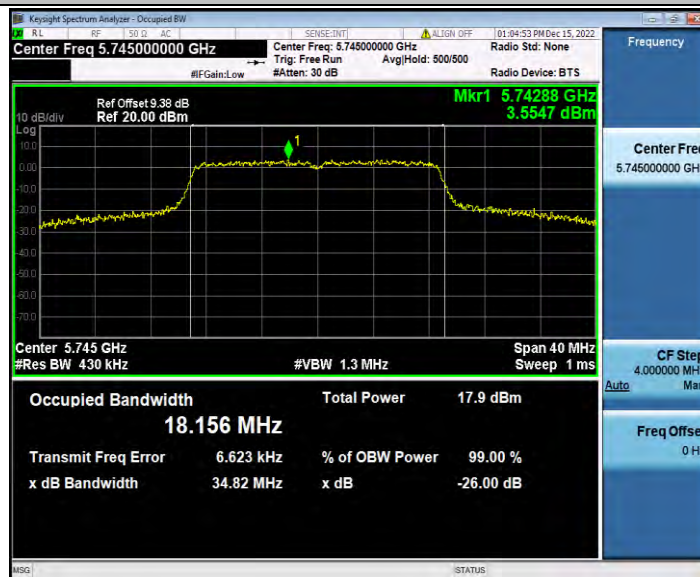
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



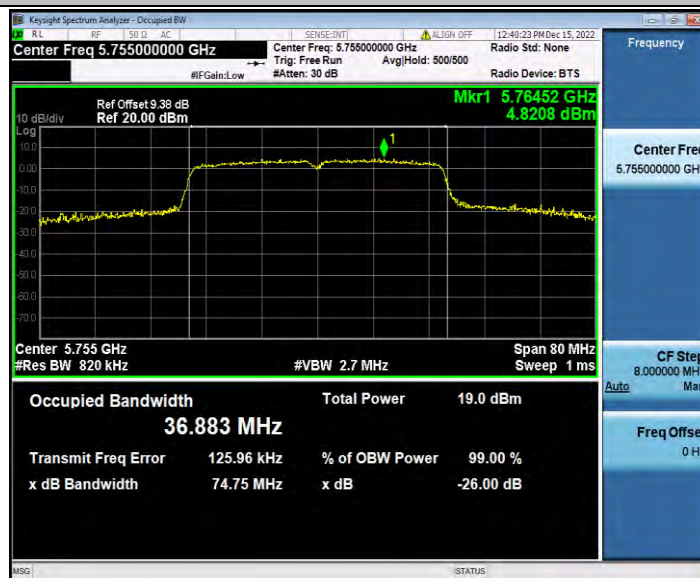
11AC20SISO_Ant1_5785



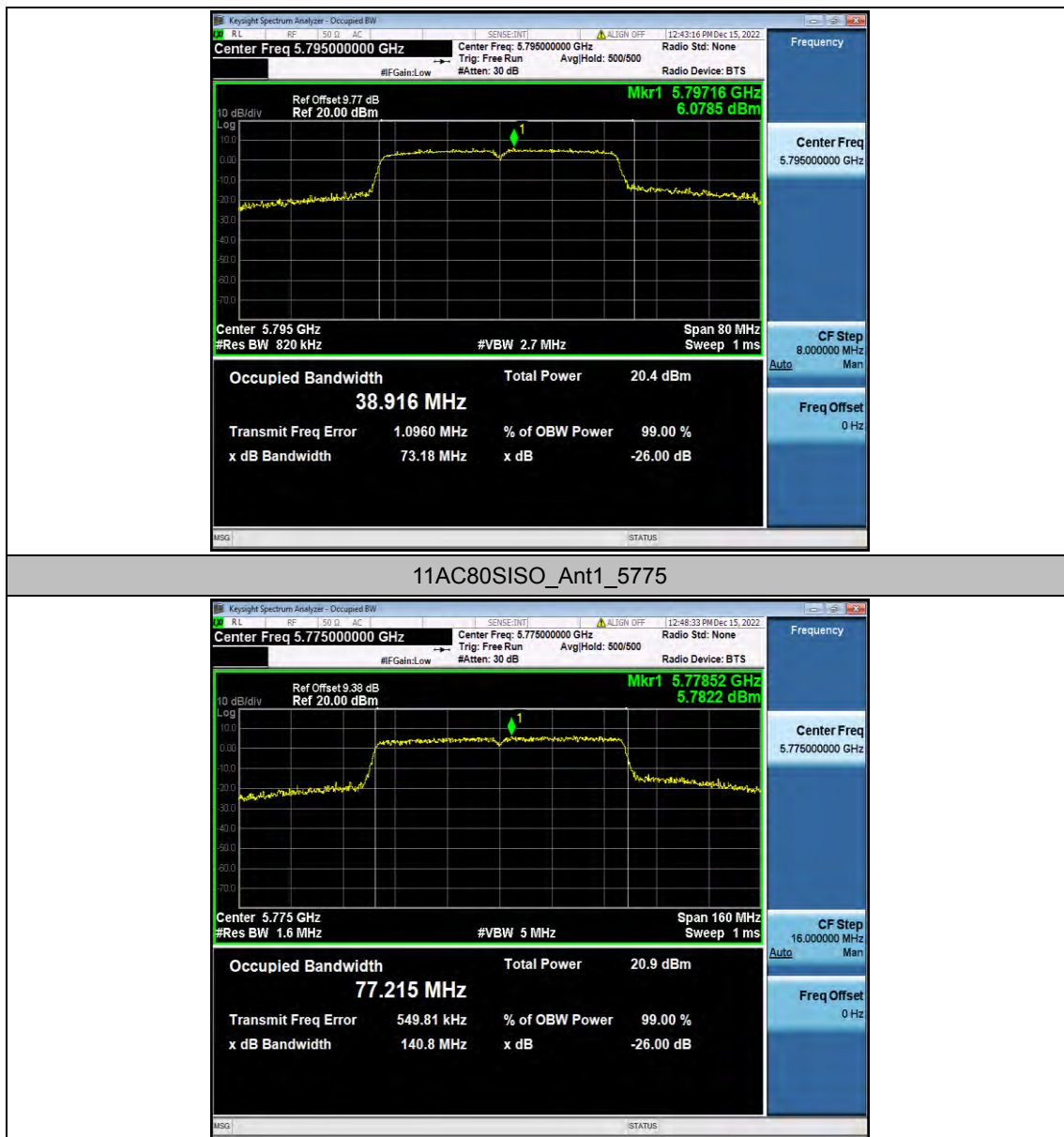
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



Appendix C.2: Min emission bandwidth

Test Result B4

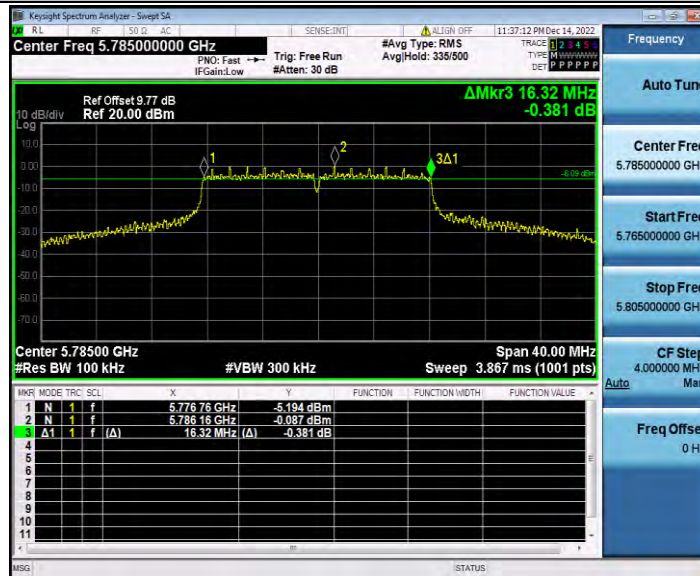
TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.360	5736.720	5753.080	0.5	PASS
		5785	16.320	5776.760	5793.080	0.5	PASS
		5825	16.280	5816.760	5833.040	0.5	PASS
11N20SISO	Ant1	5745	17.560	5736.160	5753.720	0.5	PASS
		5785	17.560	5776.120	5793.680	0.5	PASS
		5825	17.560	5816.160	5833.720	0.5	PASS
11N40SISO	Ant1	5755	33.920	5738.600	5772.520	0.5	PASS
		5795	35.280	5777.400	5812.680	0.5	PASS
11AC20SISO	Ant1	5745	17.560	5736.120	5753.680	0.5	PASS
		5785	17.560	5776.120	5793.680	0.5	PASS
		5825	17.560	5816.120	5833.680	0.5	PASS
11AC40SISO	Ant1	5755	35.120	5737.320	5772.440	0.5	PASS
		5795	35.280	5777.400	5812.680	0.5	PASS
11AC80SISO	Ant1	5775	75.680	5737.400	5813.080	0.5	PASS

Test Graphs B4

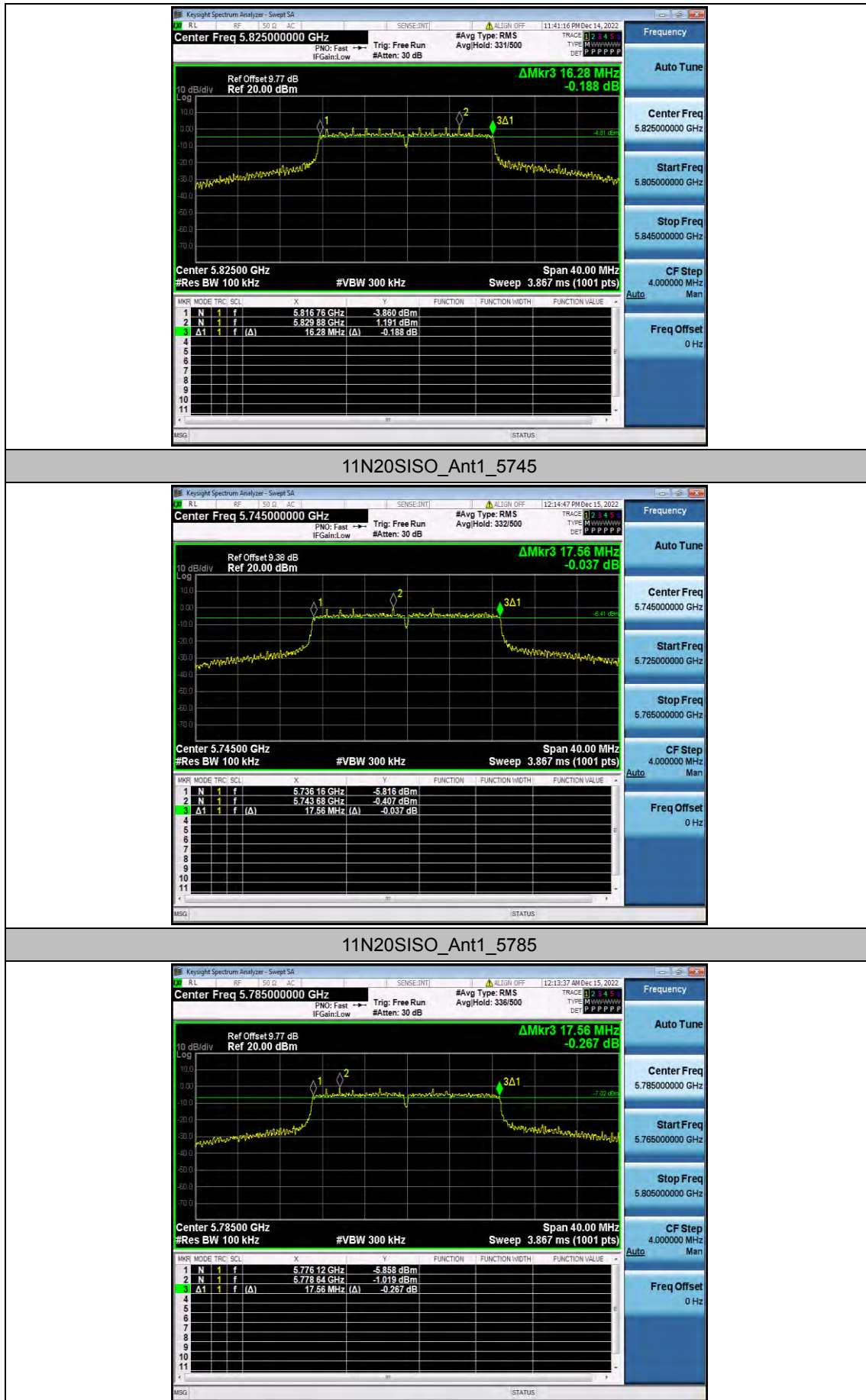
11A_Ant1_5745



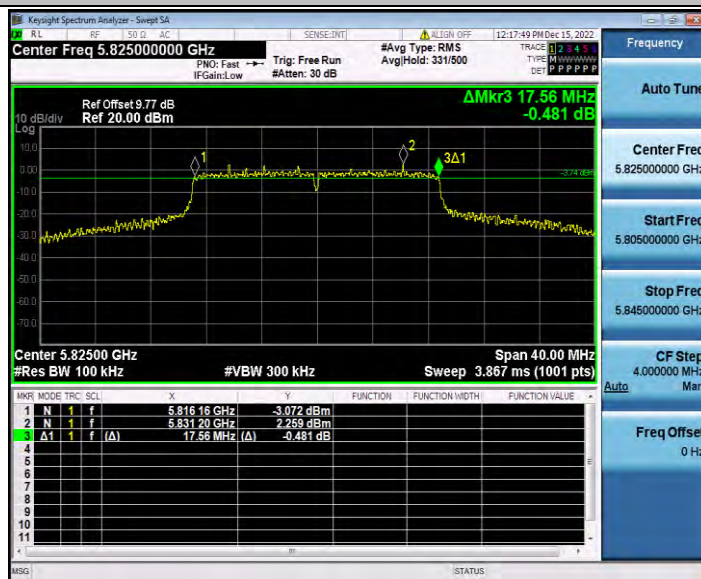
11A_Ant1_5785



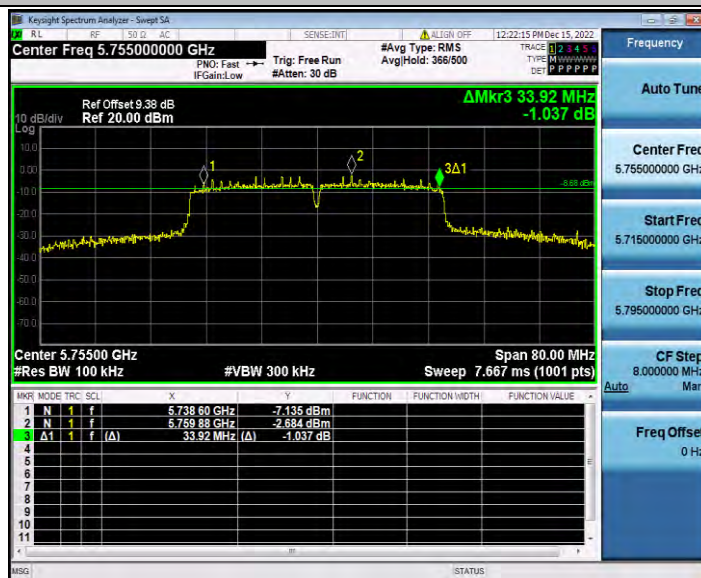
11A_Ant1_5825



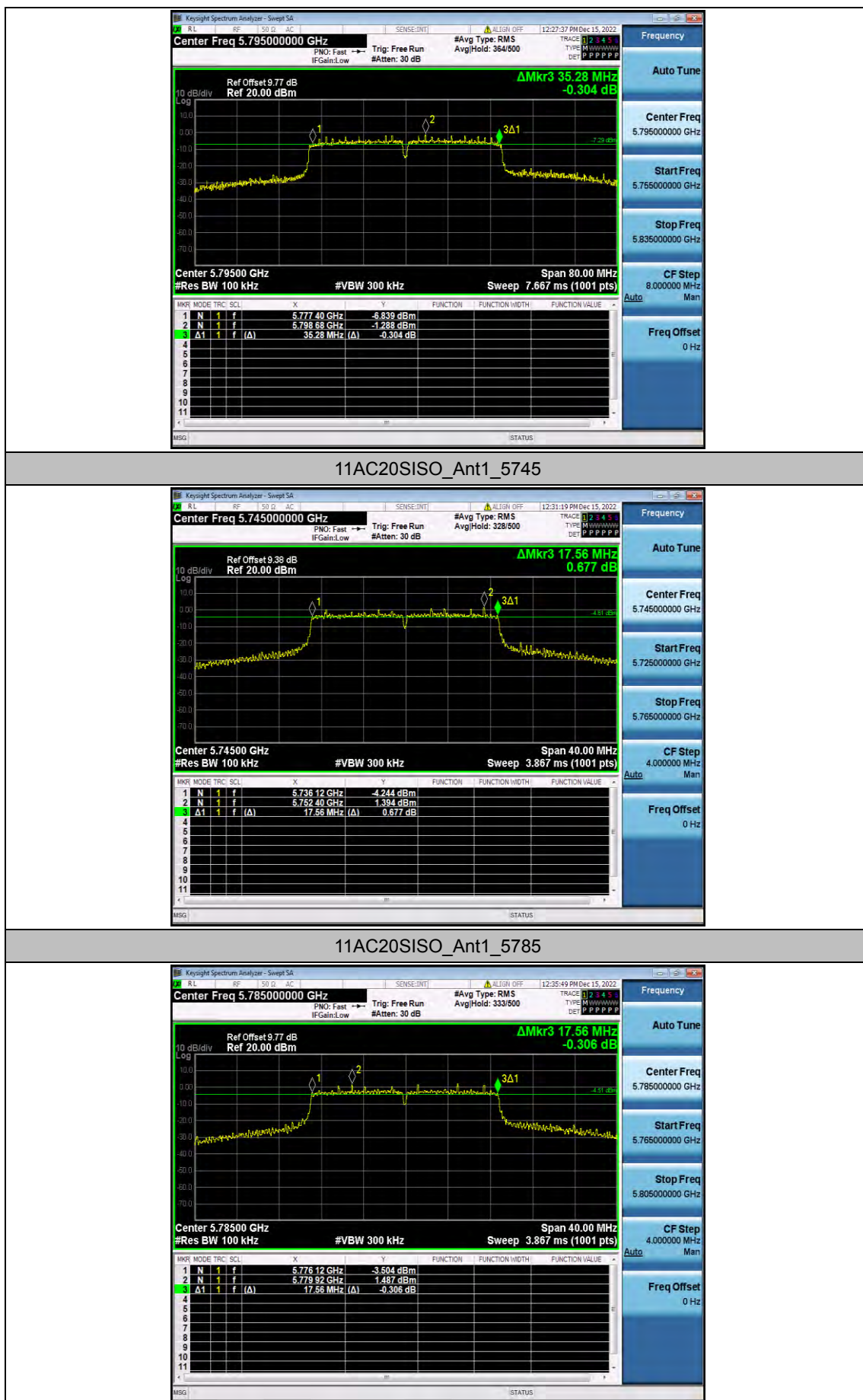
11N20SISO_Ant1_5825



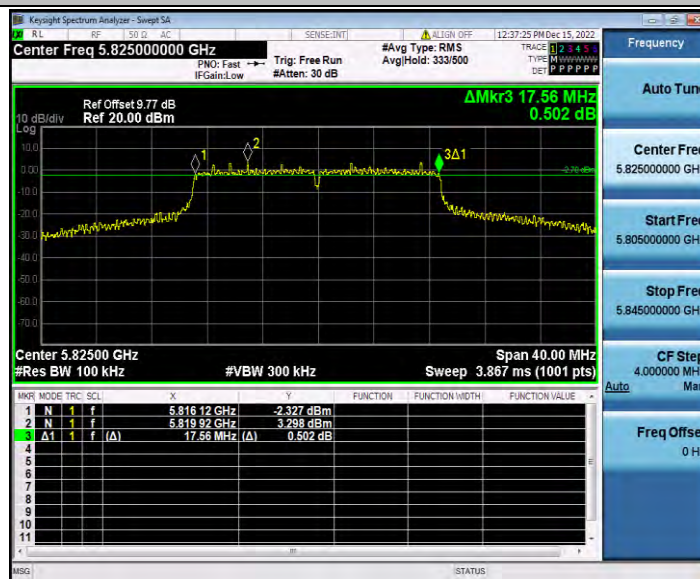
11N40SISO_Ant1_5755



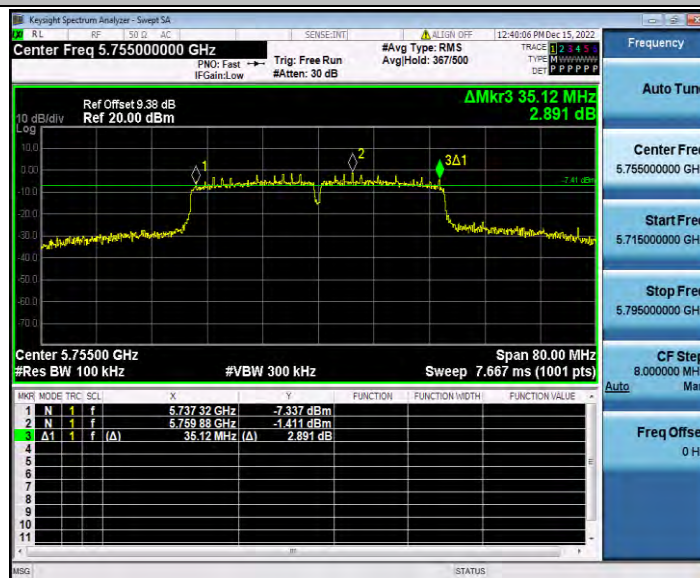
11N40SISO_Ant1_5795



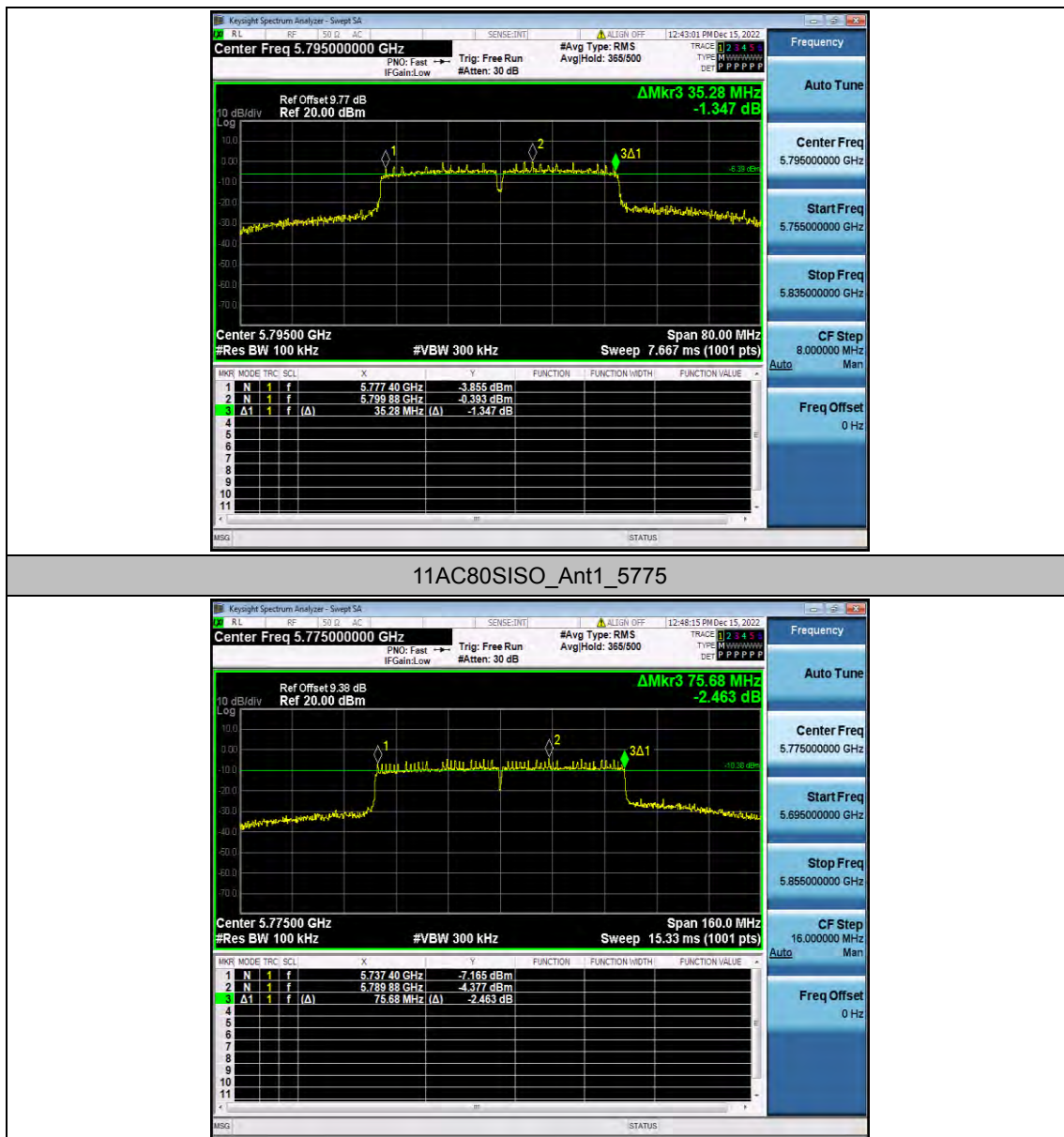
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



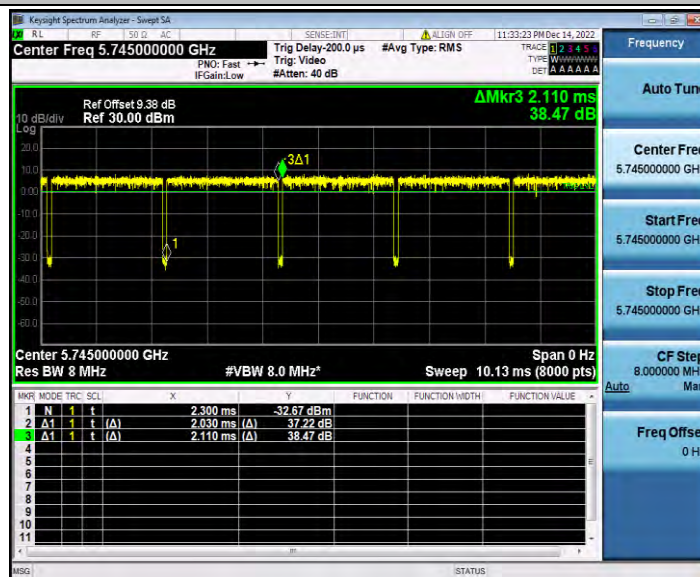
Appendix C.3: Duty Cycle

Test Result

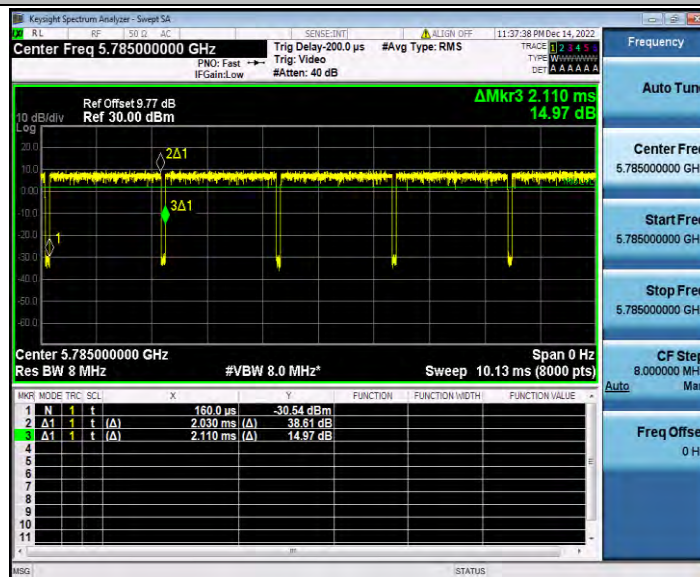
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	2.03	2.11	96.21
		5785	2.03	2.11	96.21
		5825	2.03	2.11	96.21
11N20SISO	Ant1	5745	4.96	5.04	98.41
		5785	4.96	5.04	98.41
		5825	4.96	5.04	98.41
11N40SISO	Ant1	5755	2.41	2.49	96.79
		5795	2.41	2.49	96.79
11AC20SISO	Ant1	5745	4.97	5.05	98.42
		5785	4.97	5.05	98.42
		5825	4.97	5.04	98.61
11AC40SISO	Ant1	5755	2.41	2.50	96.40
		5795	2.41	2.49	96.79
11AC80SISO	Ant1	5775	1.13	1.22	92.62

Test Graphs

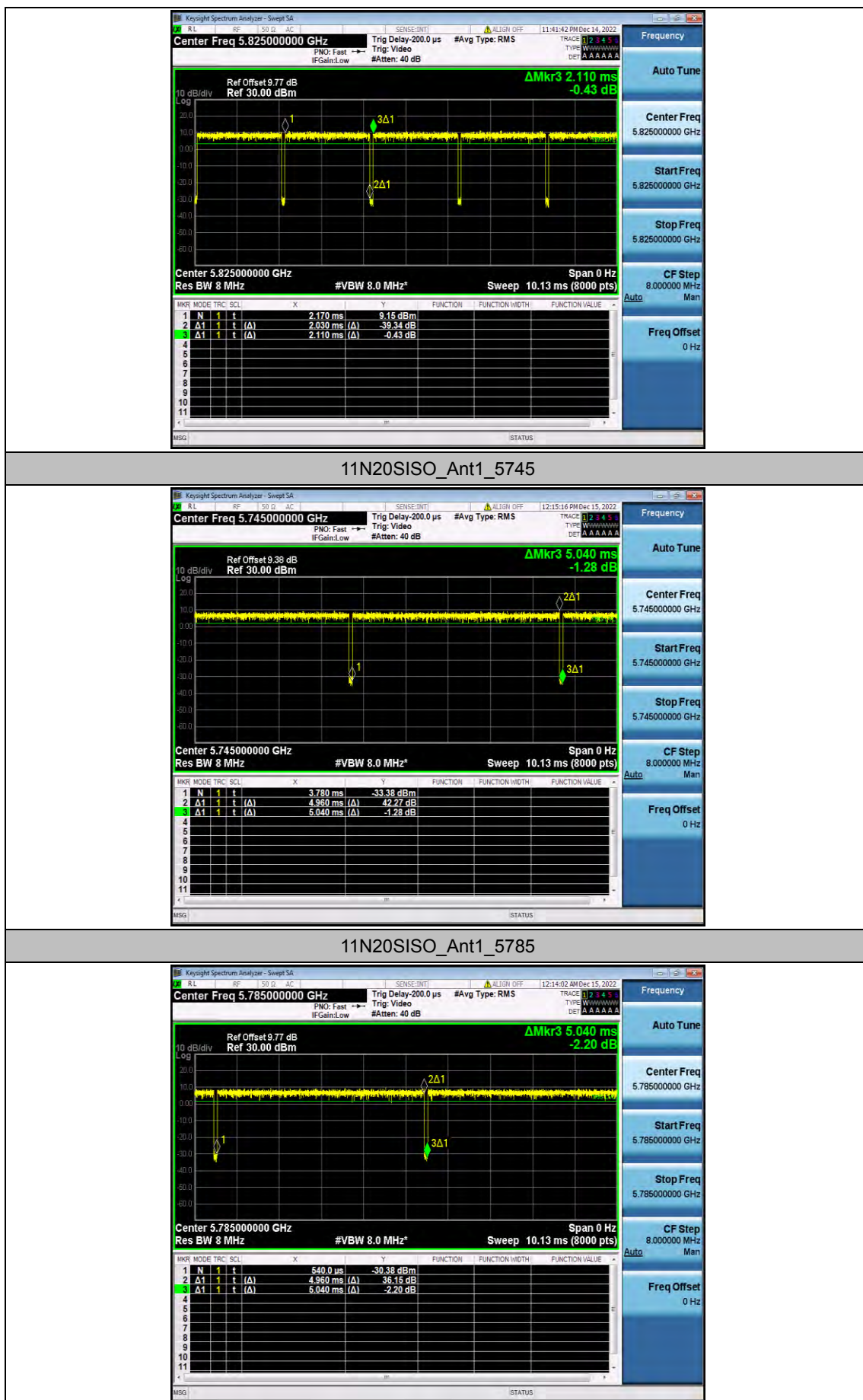
11A_Ant1_5745



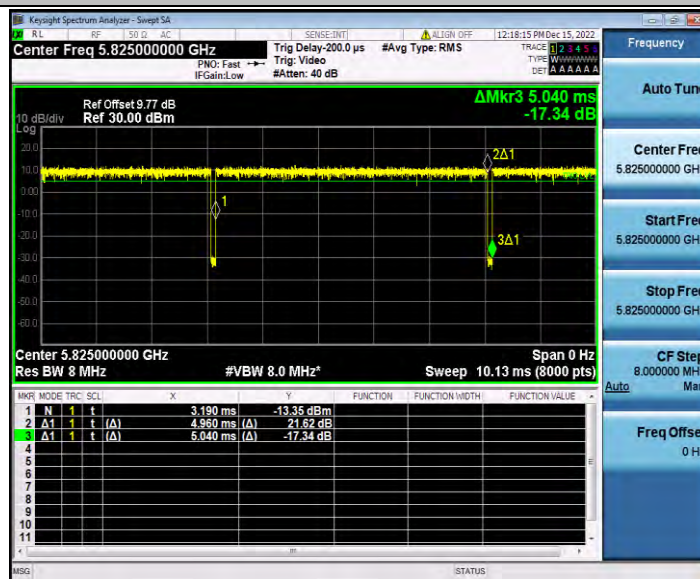
11A_Ant1_5785



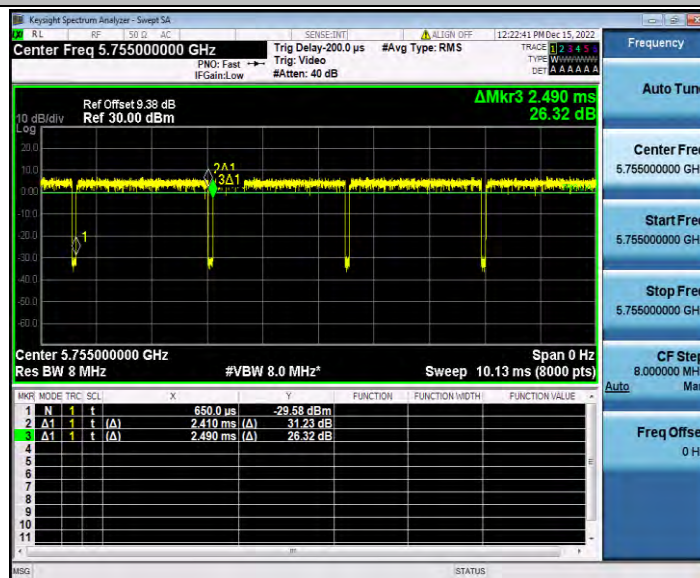
11A_Ant1_5825



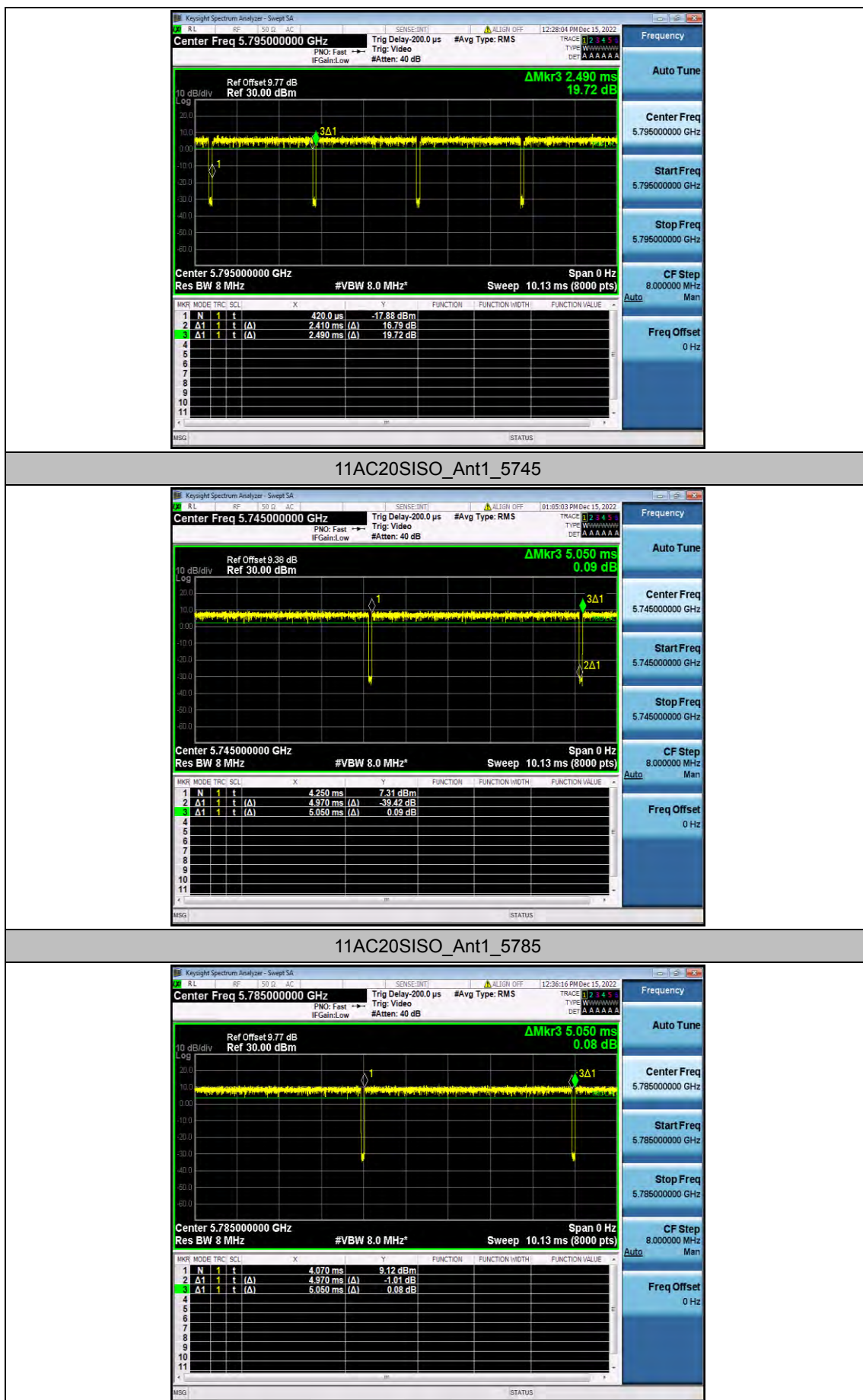
11N20SISO_Ant1_5825



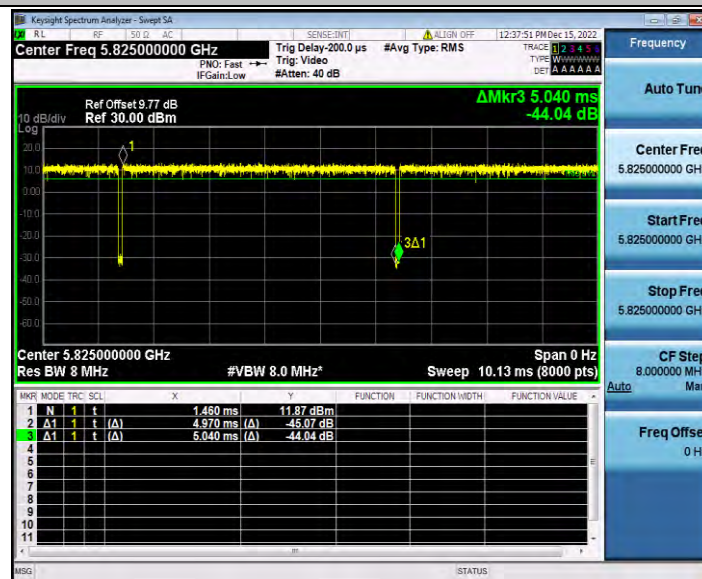
11N40SISO_Ant1_5755



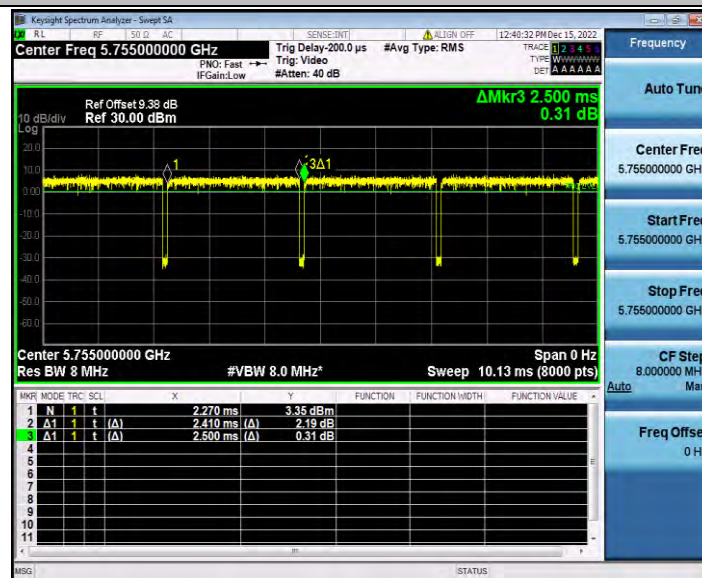
11N40SISO_Ant1_5795



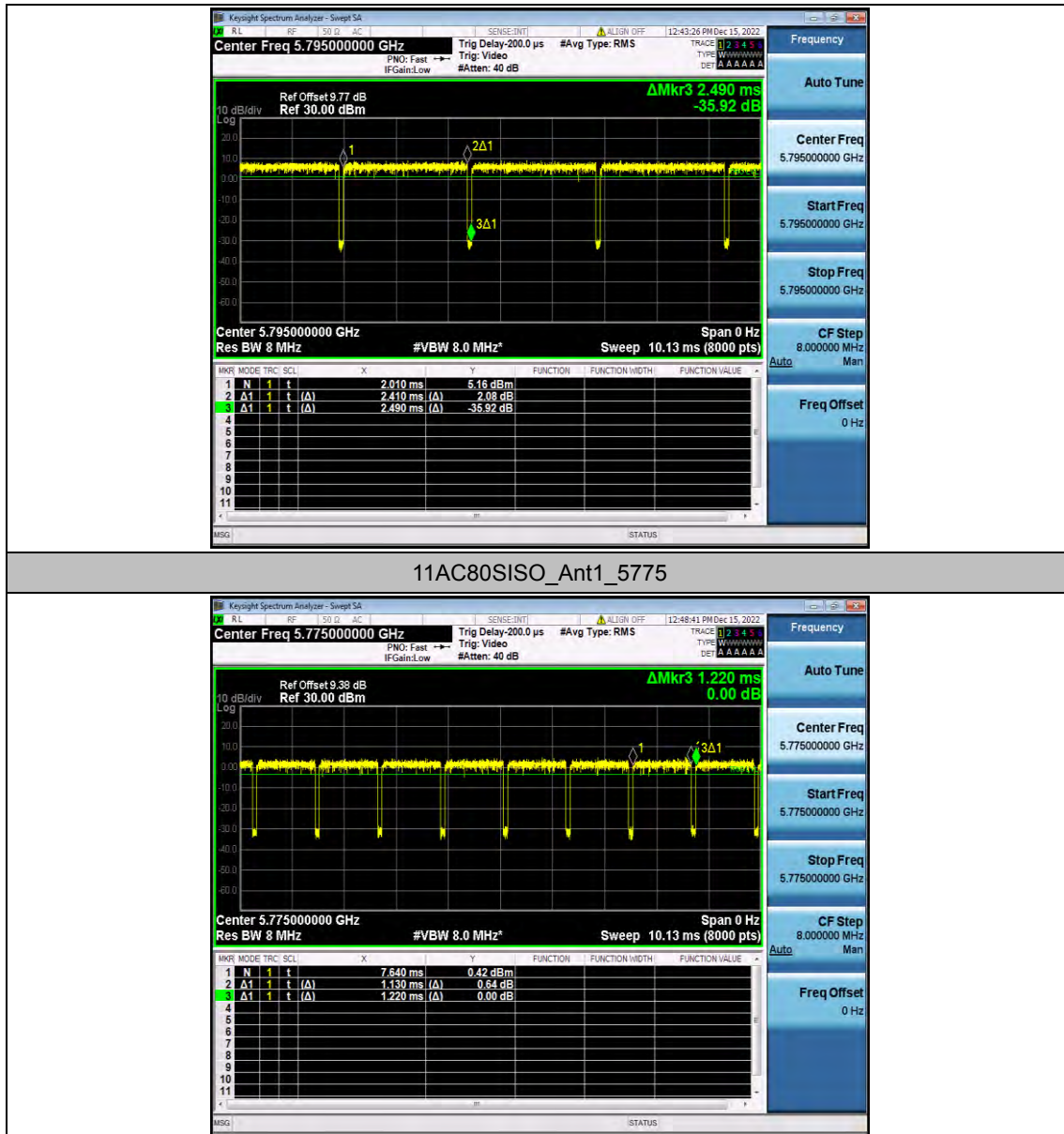
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



Appendix C.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	8.29	96.21	0.17	8.46	≤30.00	PASS
		5785	10.31	96.21	0.17	10.48	≤30.00	PASS
		5825	11.48	96.21	0.17	11.65	≤30.00	PASS
11N20SISO	Ant1	5745	10.53	98.41	0.07	10.60	≤30.00	PASS
		5785	10.15	98.41	0.07	10.22	≤30.00	PASS
		5825	13.22	98.41	0.07	13.29	≤30.00	PASS
11N40SISO	Ant1	5755	10.47	96.79	0.14	10.61	≤30.00	PASS
		5795	12.07	96.79	0.14	12.21	≤30.00	PASS
11AC20SISO	Ant1	5745	10.86	98.42	0.07	10.93	≤30.00	PASS
		5785	12.17	98.42	0.07	12.24	≤30.00	PASS
		5825	14.31	98.61	0.06	14.37	≤30.00	PASS
11AC40SISO	Ant1	5755	11.37	96.40	0.16	11.53	≤30.00	PASS
		5795	12.63	96.79	0.14	12.77	≤30.00	PASS
11AC80SISO	Ant1	5775	11.57	92.62	0.33	11.90	≤30.00	PASS

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

Appendix C.5: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	1.12	≤30.00	PASS
		5785	3.09	≤30.00	PASS
		5825	4.25	≤30.00	PASS
11N20SISO	Ant1	5745	2.89	≤30.00	PASS
		5785	2.6	≤30.00	PASS
		5825	5.84	≤30.00	PASS
11N40SISO	Ant1	5755	0.42	≤30.00	PASS
		5795	1.71	≤30.00	PASS
11AC20SISO	Ant1	5745	4.1	≤30.00	PASS
		5785	4.95	≤30.00	PASS
		5825	6.95	≤30.00	PASS
11AC40SISO	Ant1	5755	1.37	≤30.00	PASS
		5795	2.77	≤30.00	PASS
11AC80SISO	Ant1	5775	-2.47	≤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

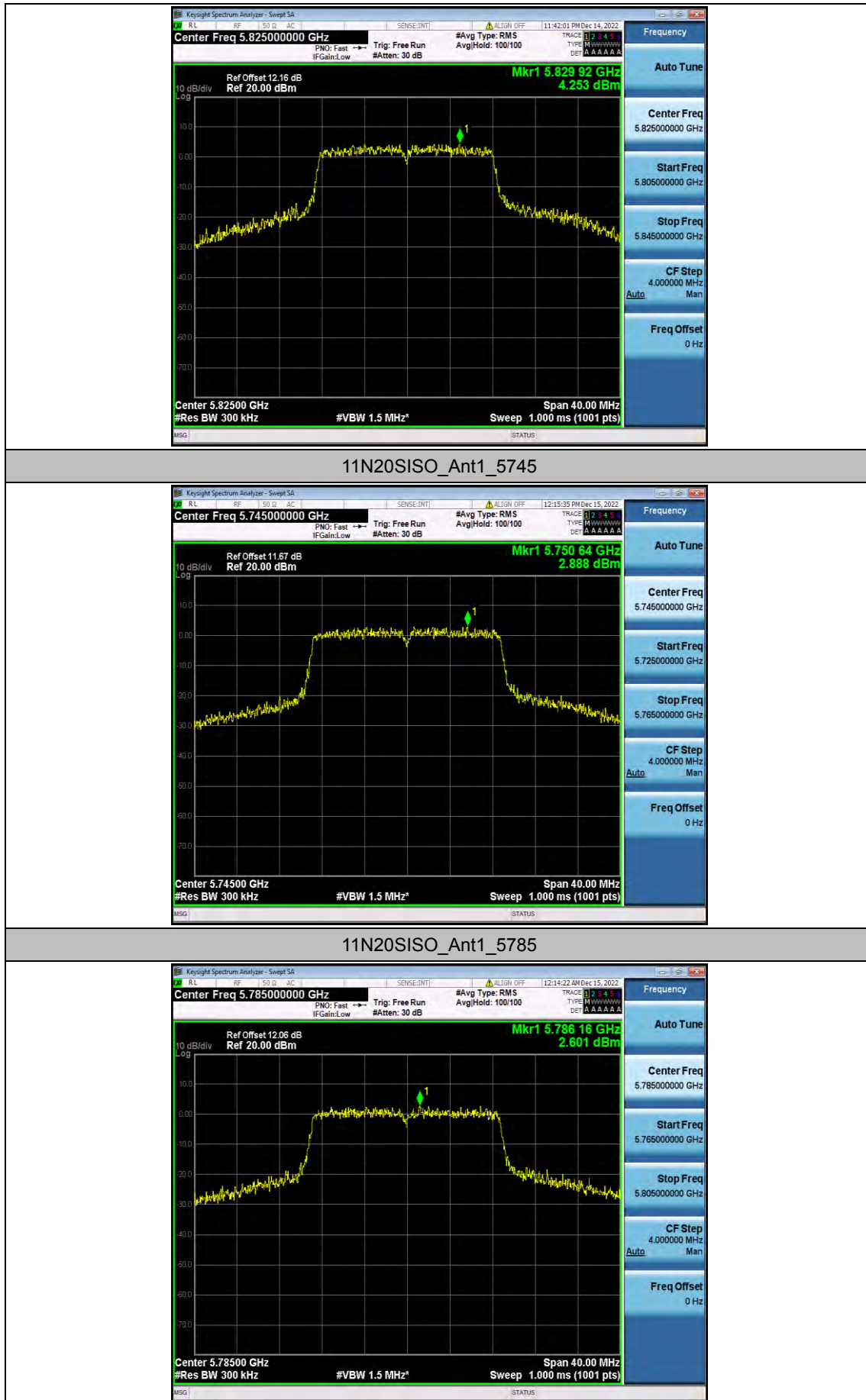
11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



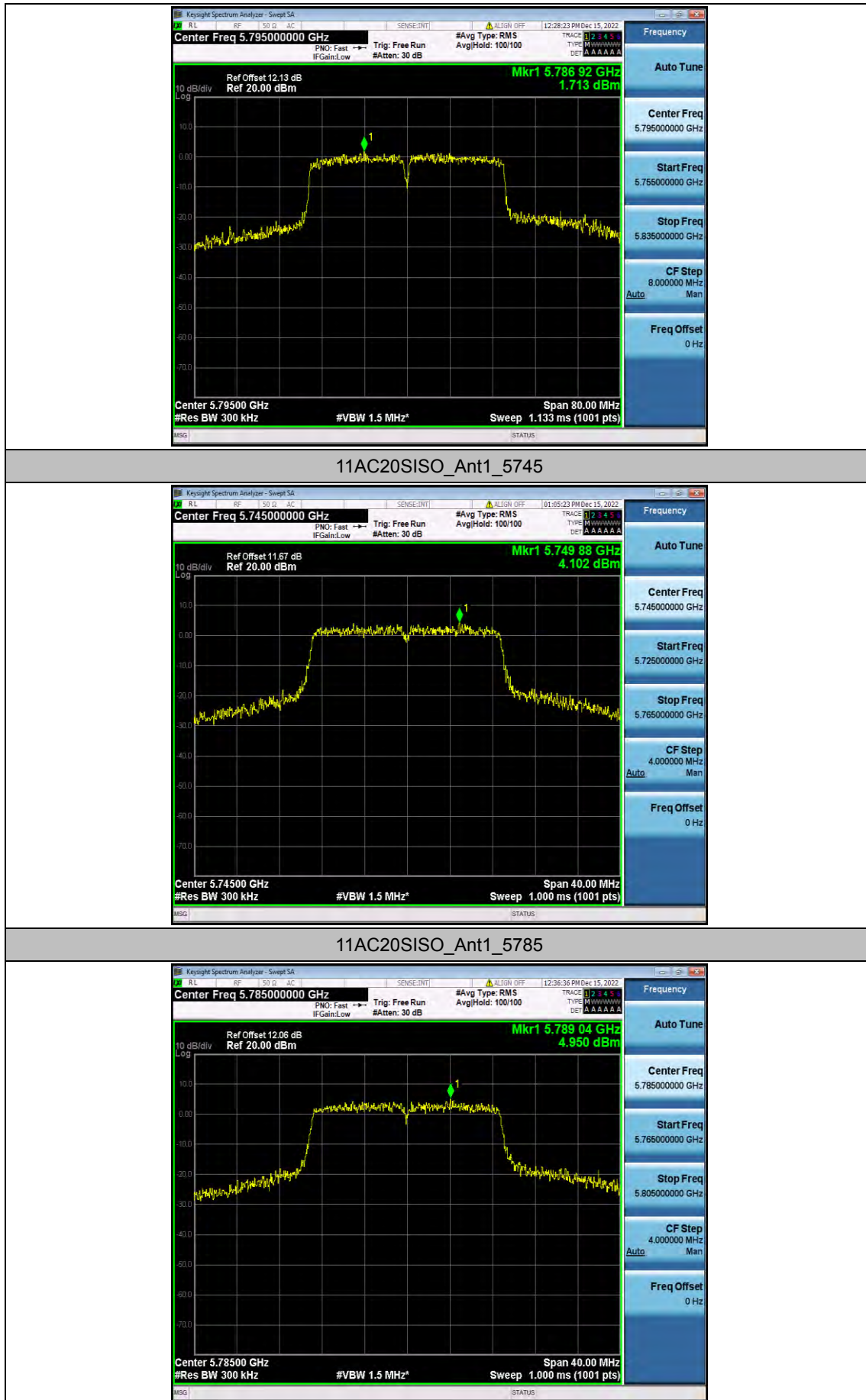
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



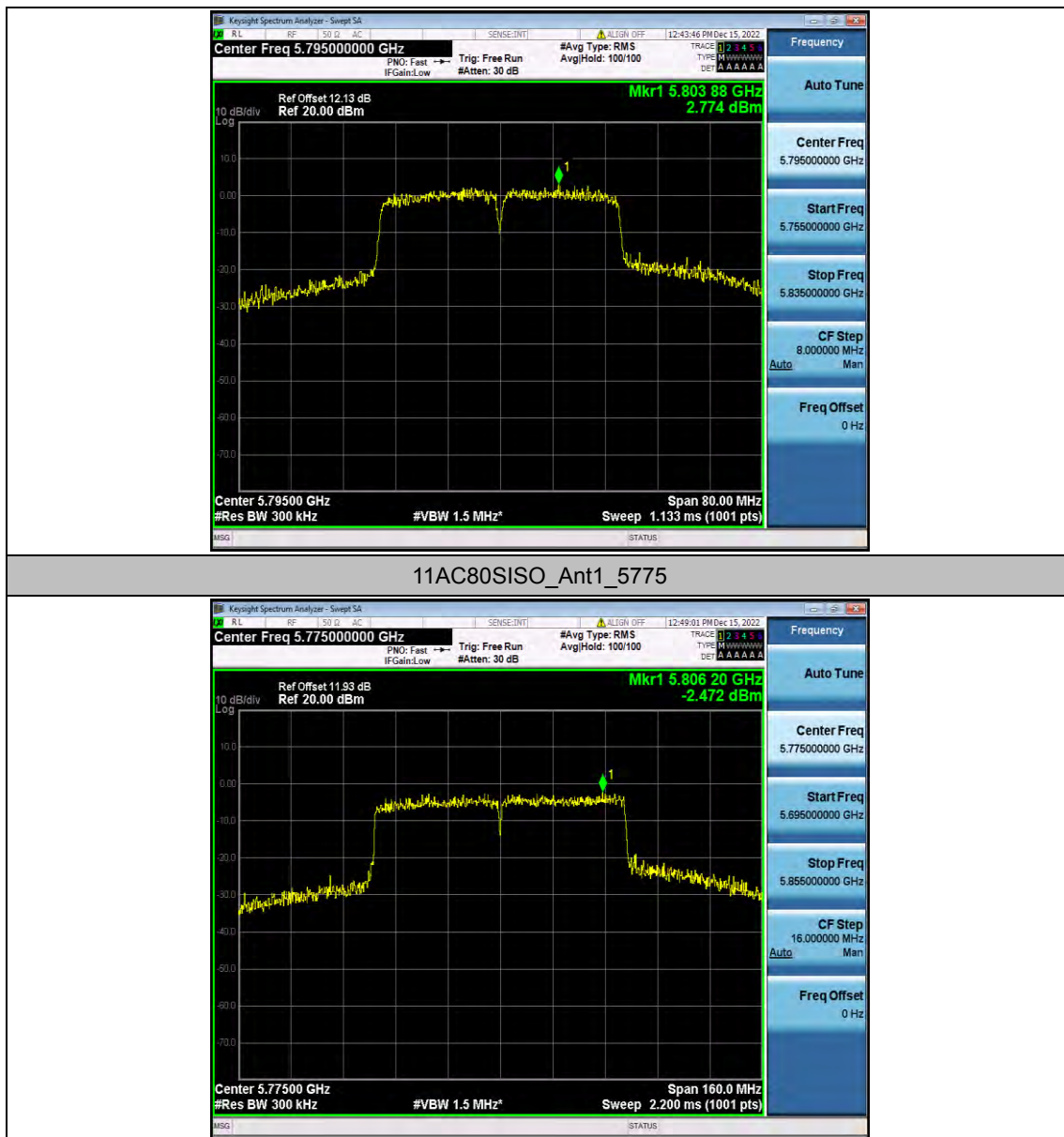
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



Appendix C.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	-39.2	≤ -9.08	PASS
				5700~5720	-34.07	≤ 15.30	PASS
				5720~5725	-27.95	≤ 25.52	PASS
				5760~5650	-39.53	≤ -27	PASS
		High	5825	5850~5855	-31.01	≤ 16.41	PASS
				5855~5875	-34.15	≤ 10.25	PASS
				5875~5925	-38.12	≤ -14.77	PASS
				5925~5935	-39.2	≤ -27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-38.45	≤ 8.87	PASS
				5700~5720	-31.54	≤ 15.59	PASS
				5720~5725	-21.34	≤ 26.83	PASS
				5760~5650	-39.82	≤ -27	PASS
		High	5825	5850~5855	-25.93	≤ 16.41	PASS
				5855~5875	-32.8	≤ 10.14	PASS
				5875~5925	-37.79	≤ -24.96	PASS
				5925~5935	-38.86	≤ -27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-36.85	≤ 9.16	PASS
				5700~5720	-21.84	≤ 15.50	PASS
				5720~5725	-19.66	≤ 22.51	PASS
				5780~5650	-40.05	≤ -27	PASS
		High	5795	5850~5855	-32.83	≤ 20.17	PASS
				5855~5875	-33.44	≤ 10.32	PASS
				5875~5925	-35.31	≤ -26.07	PASS
				5925~5935	-37.96	≤ -27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-37.53	≤ 9.47	PASS
				5700~5720	-30.75	≤ 15.50	PASS
				5720~5725	-21.43	≤ 26.04	PASS
				5760~5650	-40.81	≤ -27	PASS
		High	5825	5850~5855	-22.31	≤ 15.79	PASS
				5855~5875	-30.56	≤ 10.93	PASS
				5875~5925	-37.7	≤ -25.56	PASS
				5925~5935	-38.56	≤ -27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-36.85	≤ 4.46	PASS
				5700~5720	-21.34	≤ 14.44	PASS
				5720~5725	-20.34	≤ 21.28	PASS
				5780~5650	-39.61	≤ -27	PASS

		High	5795	5850~5855	-33.23	≤ 16.41	PASS
				5855~5875	-32.34	≤ 11.15	PASS
				5875~5925	-36.8	≤ -21.06	PASS
				5925~5935	-38.55	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-24.93	≤ 8.30	PASS
				5700~5720	-21.66	≤ 15.08	PASS
				5720~5725	-20.6	≤ 23.42	PASS
				5800~5650	-33.48	≤ -27	PASS
		High	5775	5850~5855	-22.06	≤ 25.50	PASS
				5855~5875	-23	≤ 12.09	PASS
				5875~5925	-27.97	≤ -25.18	PASS
				5925~5935	-35.56	≤ -27	PASS

Test Graphs B4

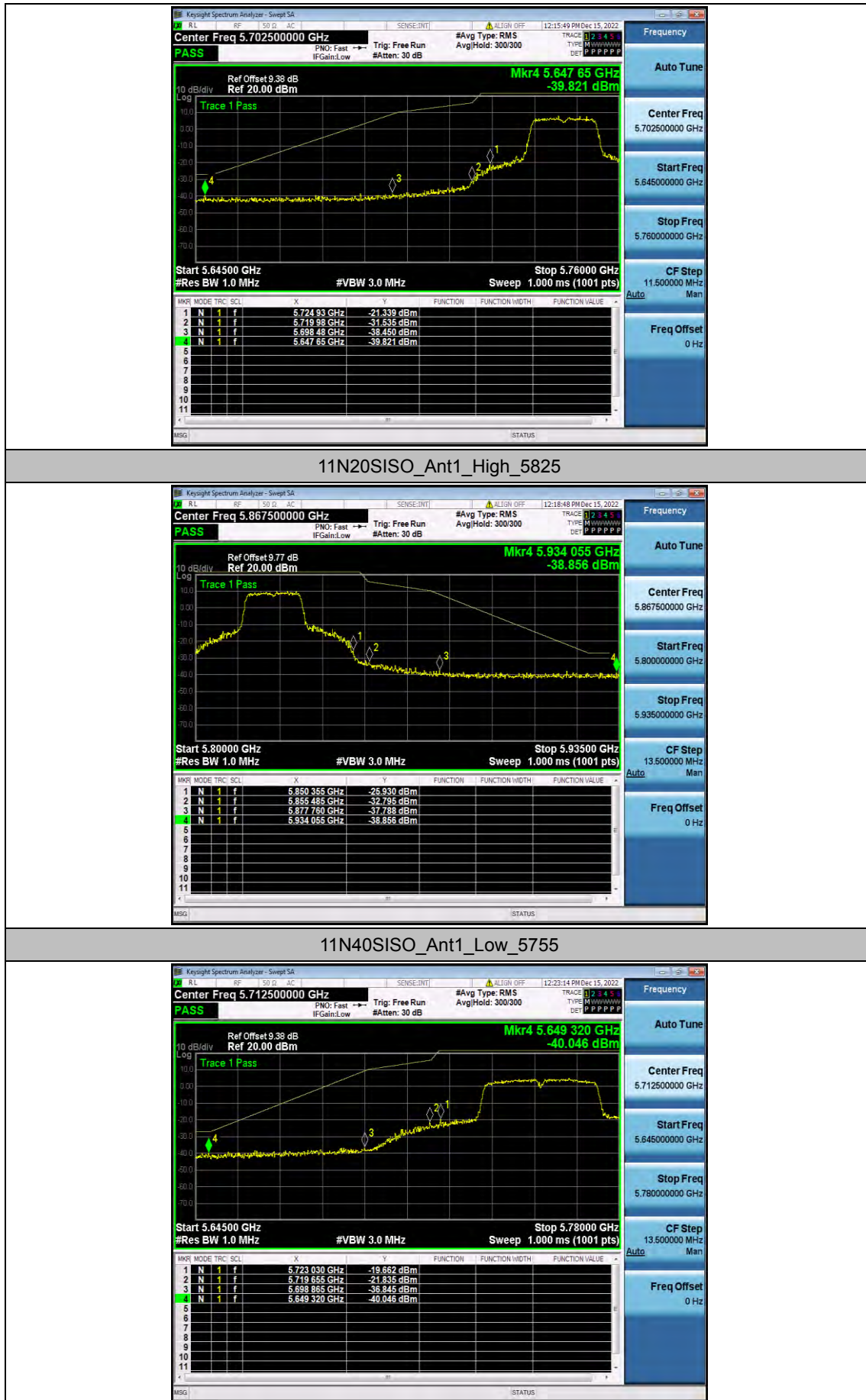
11A_Ant1_Low_5745



11A_Ant1_High_5825



11N20SISO_Ant1_Low_5745



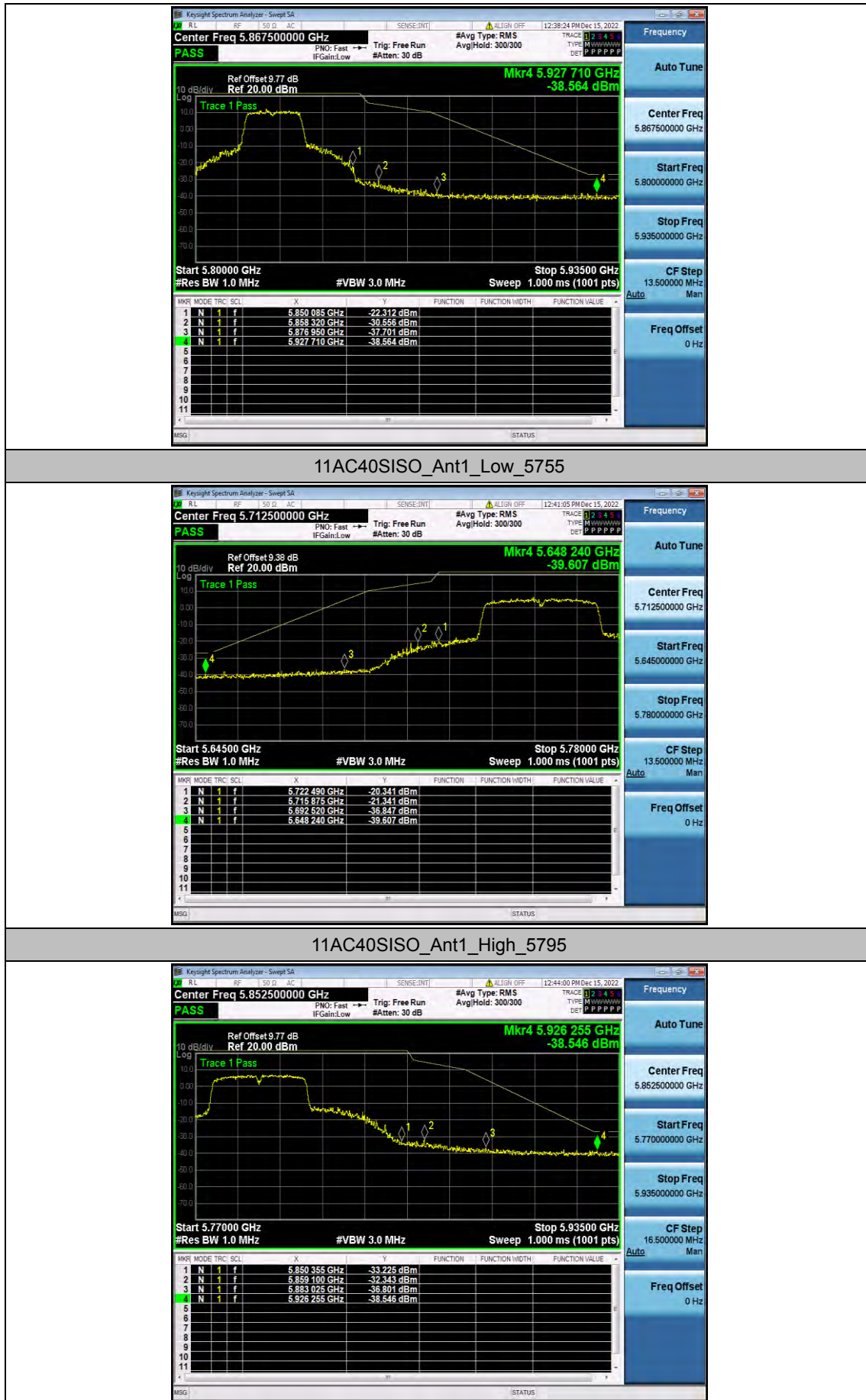
11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



11AC20SISO_Ant1_High_5825



11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775



Appendix C.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5442.62	-41.13	≤-27	PASS
			5925~40000	26759.75	-31.86	≤-27	PASS
		5785	30~5650	3323.51	-40.78	≤-27	PASS
			5925~40000	24326.99	-31.83	≤-27	PASS
		5825	30~5650	2666.53	-40.85	≤-27	PASS
			5925~40000	24244.8	-31.93	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	3037.64	-41.03	≤-27	PASS
			5925~40000	24201.94	-33.32	≤-27	PASS
		5785	30~5650	4972.04	-40.27	≤-27	PASS
			5925~40000	23611.14	-32.38	≤-27	PASS
		5825	30~5650	5353.64	-40.57	≤-27	PASS
			5925~40000	26615.73	-33.28	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5429.7	-40.93	≤-27	PASS
			5925~40000	23552.13	-32.98	≤-27	PASS
		5795	30~5650	2665.41	-40.56	≤-27	PASS
			5925~40000	24230.75	-32.38	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	2750.27	-40.39	≤-27	PASS
			5925~40000	24313.64	-32.97	≤-27	PASS
		5785	30~5650	3038.95	-40.25	≤-27	PASS
			5925~40000	26494.2	-31.69	≤-27	PASS
		5825	30~5650	5459.29	-40.43	≤-27	PASS
			5925~40000	26900.95	-31.95	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5500.7	-40.97	≤-27	PASS
			5925~40000	25033.7	-32.79	≤-27	PASS
		5795	30~5650	3085.97	-40.61	≤-27	PASS
			5925~40000	26626.27	-32.26	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5647.56	-35.79	≤-27	PASS
			5925~40000	26666.31	-32.38	≤-27	PASS

Test Graphs

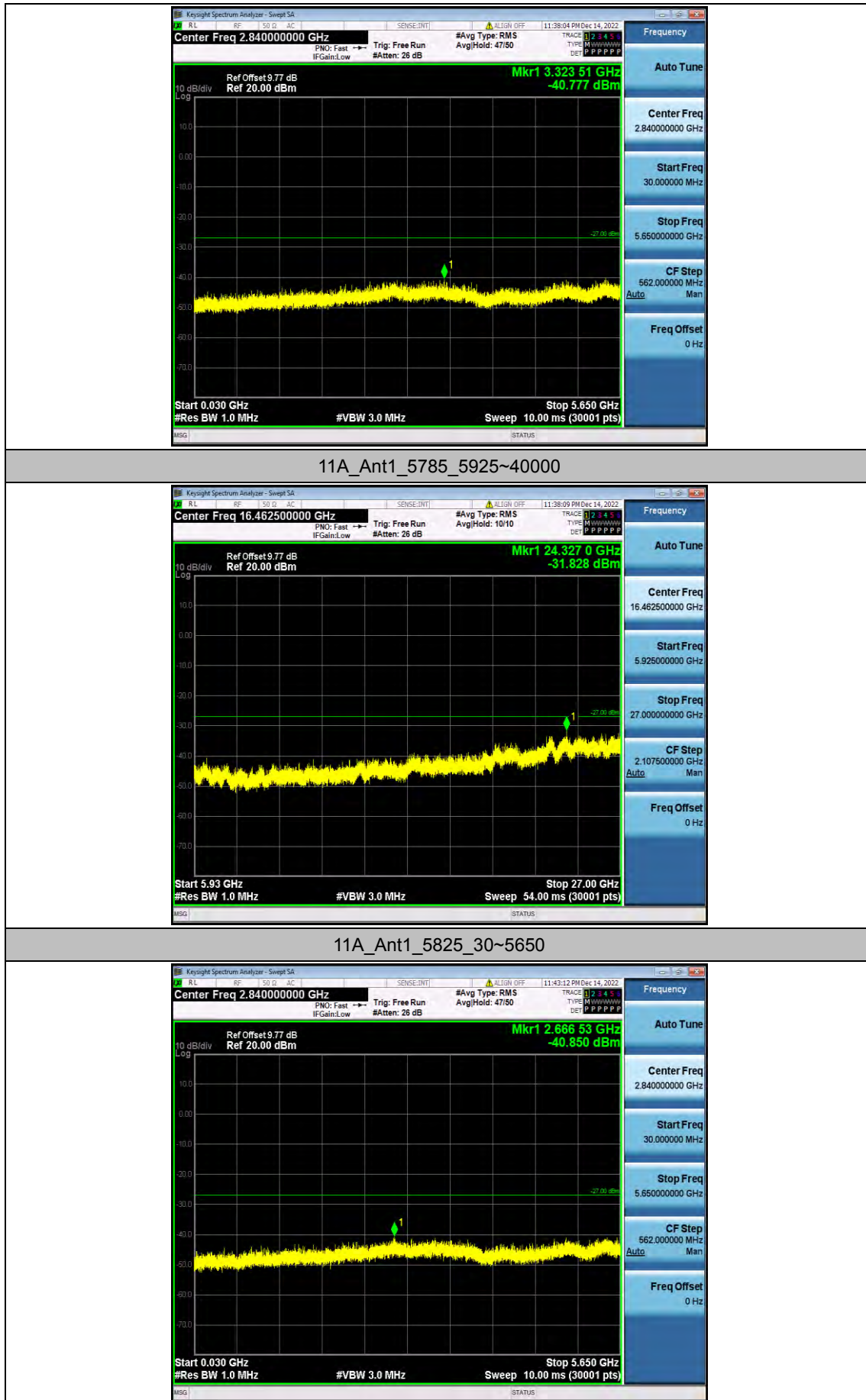
11A_Ant1_5745_30~5650



11A_Ant1_5745_5925~40000



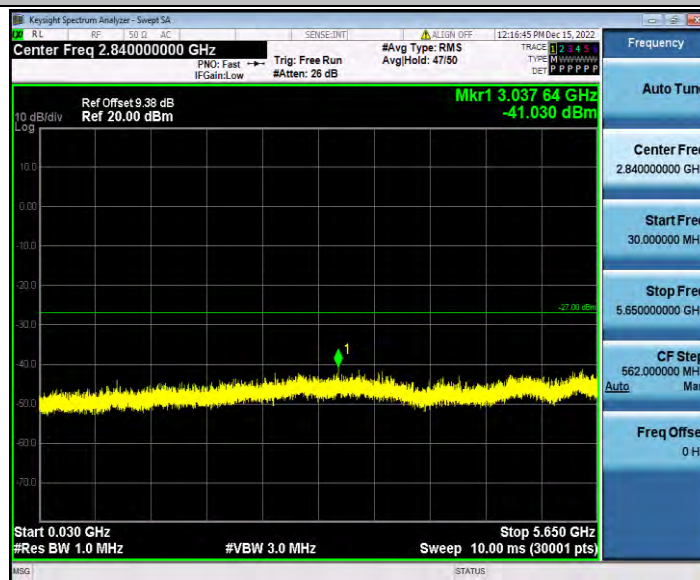
11A_Ant1_5785_30~5650



11A_Ant1_5825_5925~40000



11N20SISO_Ant1_5745_30~5650



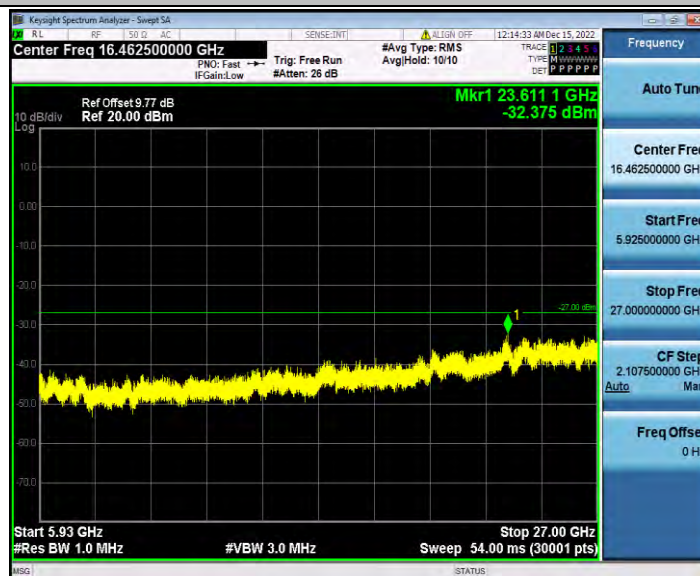
11N20SISO_Ant1_5745_5925~40000



11N20SISO_Ant1_5785_30~5650



11N20SISO_Ant1_5785_5925~40000



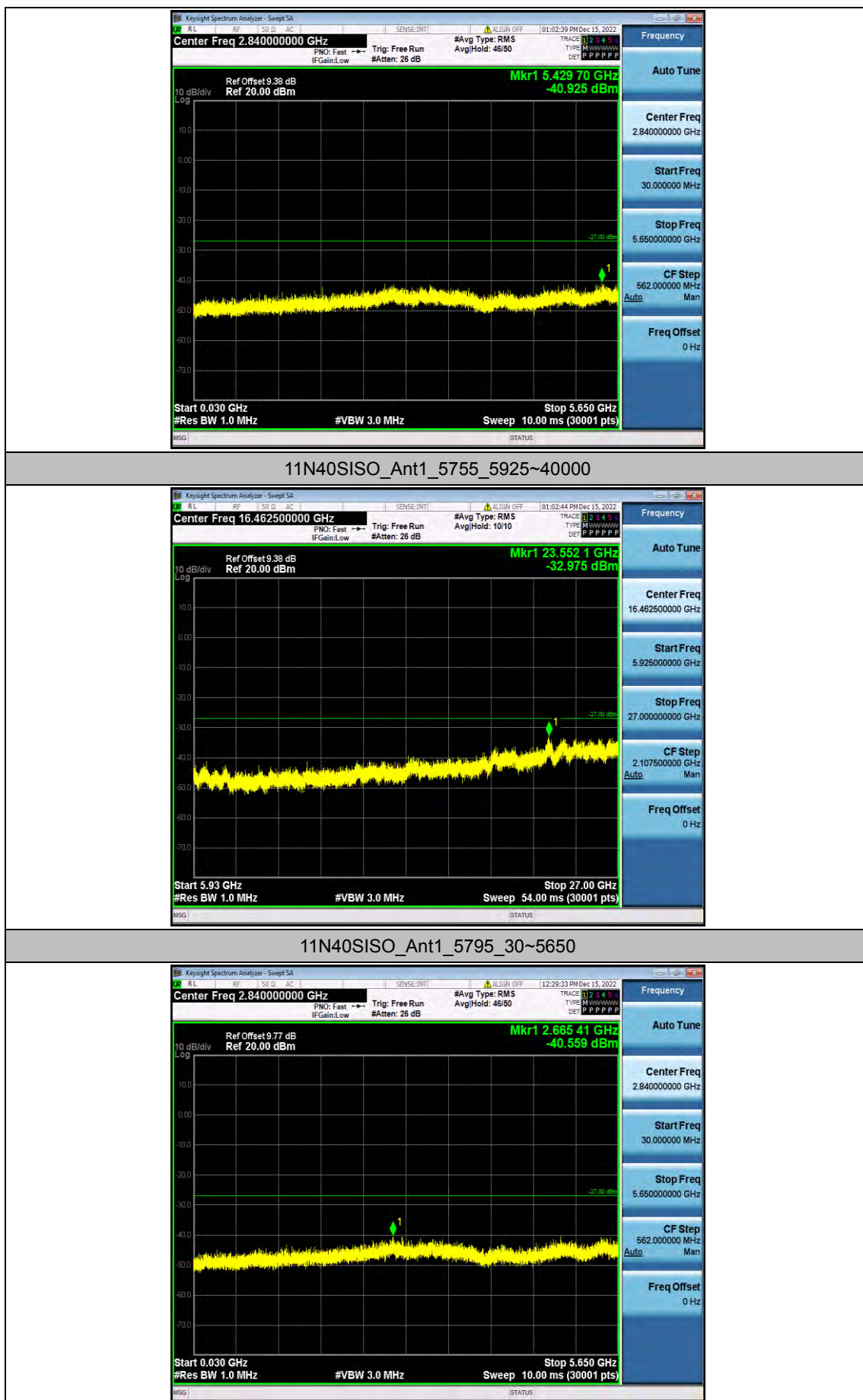
11N20SISO_Ant1_5825_30~5650



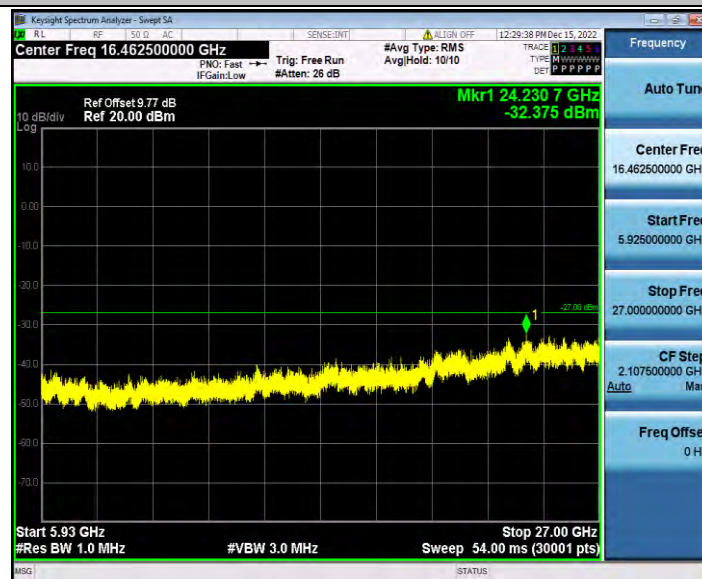
11N20SISO_Ant1_5825_5925~40000



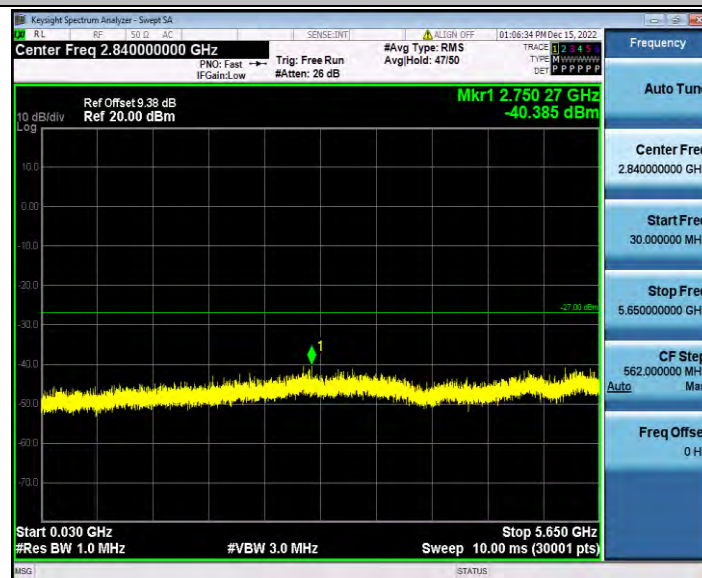
11N40SISO_Ant1_5755_30~5650



11N40SISO_Ant1_5795_5925~40000



11AC20SISO_Ant1_5745_30~5650



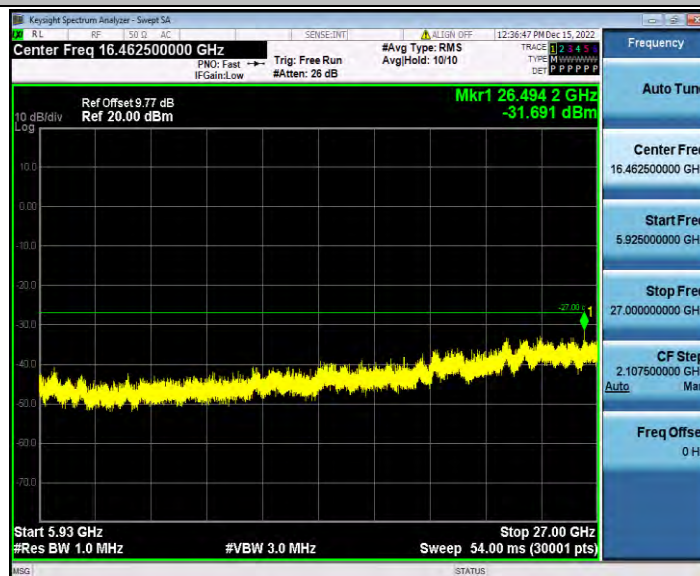
11AC20SISO_Ant1_5745_5925~40000



11AC20SISO_Ant1_5785_30~5650



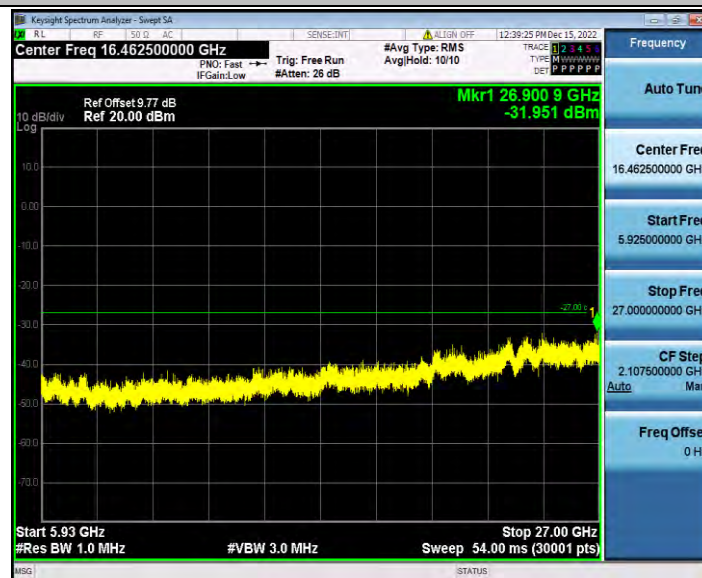
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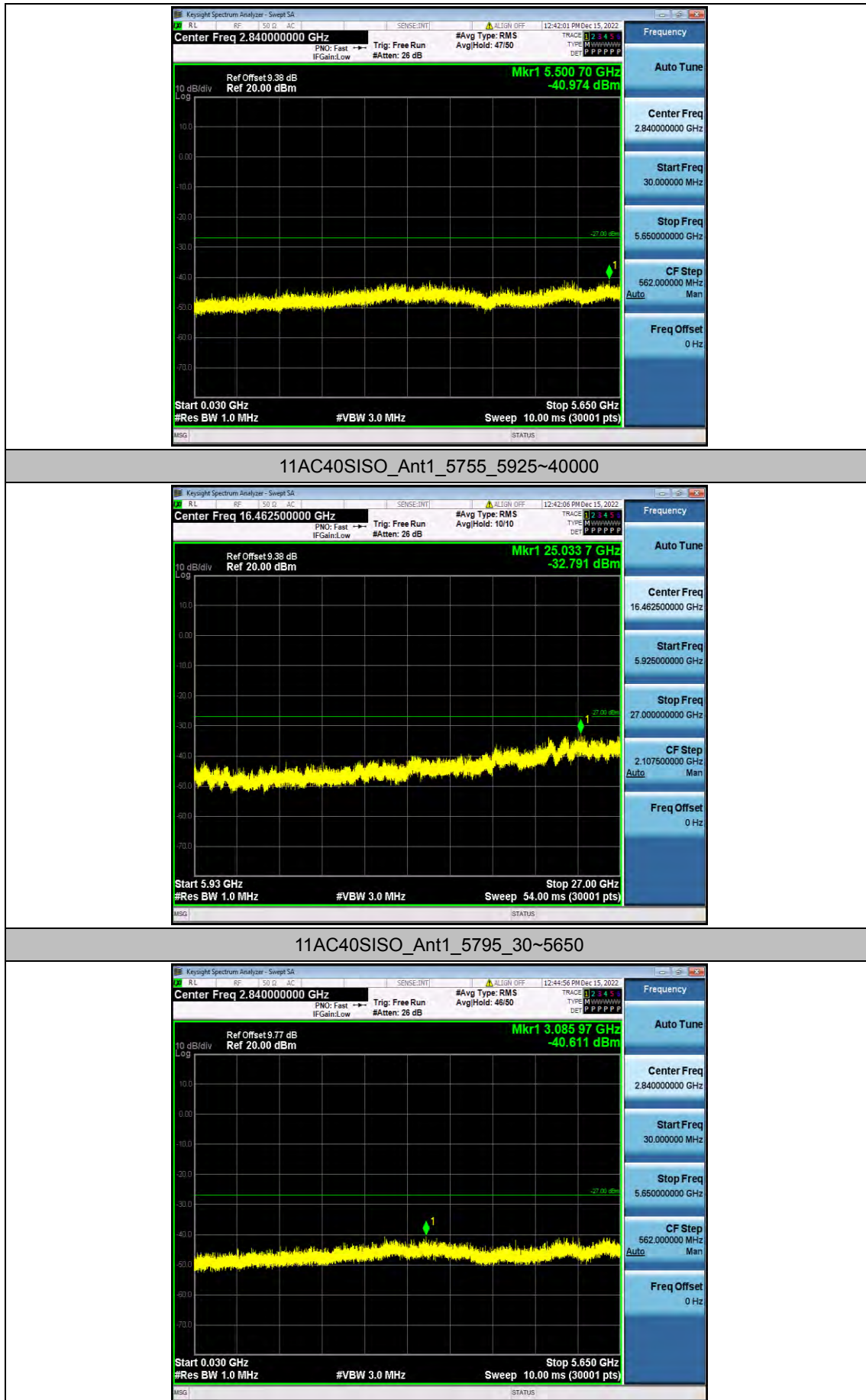
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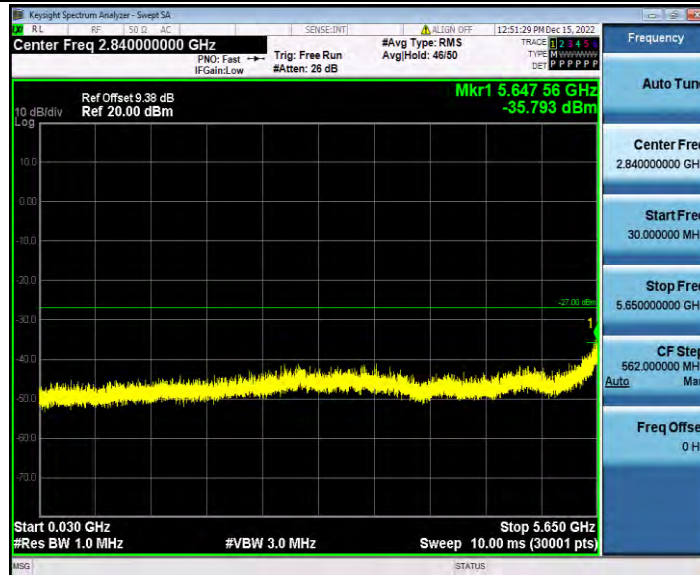
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11AC40SISO_Ant1_5795_5925~40000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~40000

