

Case No. : <u>GTS20221027005-2-9</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.12.15</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	Ant2	5745	17.107	5736.432	5753.539	---	---
		5785	17.285	5776.428	5793.713	---	---
		5825	18.187	5816.373	5834.560	---	---
11N20SISO	Ant2	5745	18.138	5735.930	5754.068	---	---
		5785	18.293	5775.878	5794.171	---	---
		5825	18.686	5815.863	5834.549	---	---
11N40SISO	Ant2	5755	36.868	5736.646	5773.514	---	---
		5795	37.338	5776.496	5813.834	---	---
11AC20SISO	Ant2	5745	18.118	5735.900	5754.018	---	---
		5785	18.173	5775.845	5794.018	---	---
		5825	18.460	5815.870	5834.330	---	---
11AC40SISO	Ant2	5755	36.748	5736.567	5773.315	---	---
		5795	37.257	5776.497	5813.754	---	---
11AC80SISO	Ant2	5775	76.926	5736.429	5813.355	---	---

Test Graphs

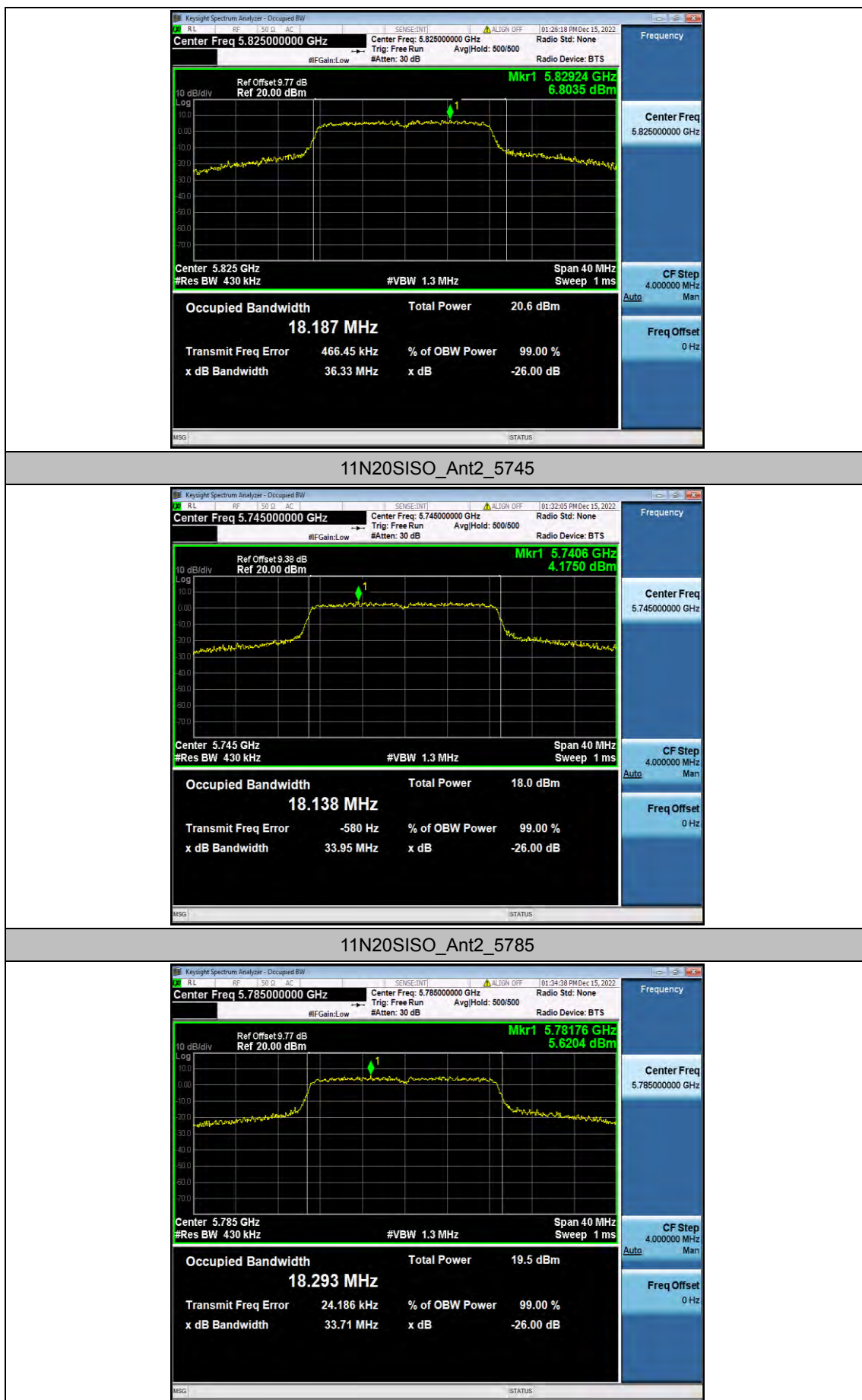
11A_Ant2_5745



11A_Ant2_5785



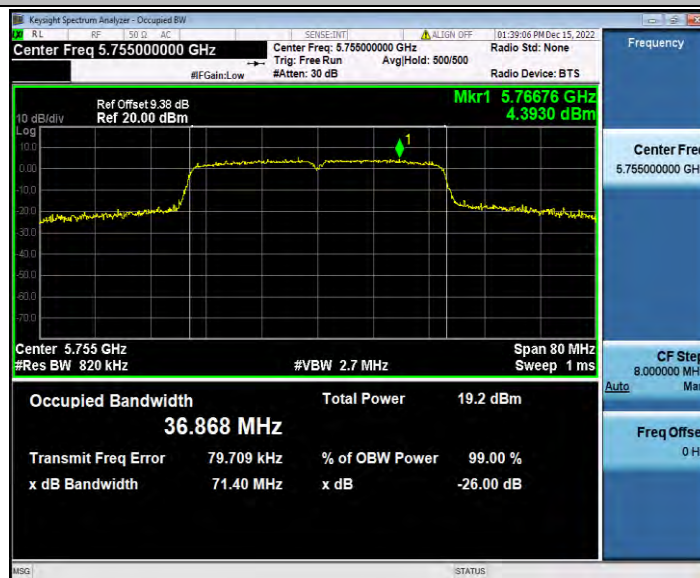
11A_Ant2_5825



11N20SISO_Ant2_5825



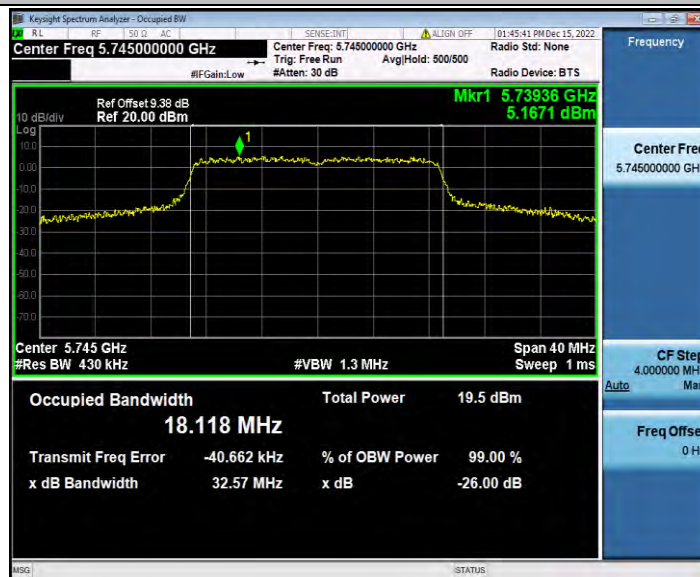
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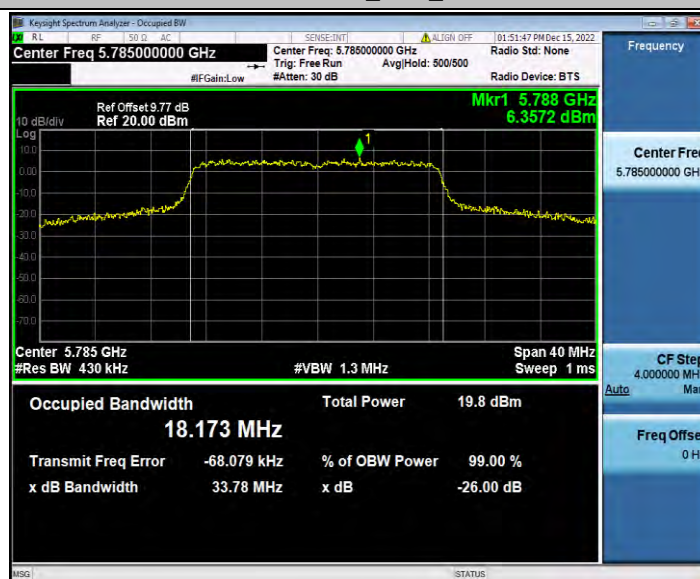
11N40SISO_Ant2_5795



11AC20SISO_Ant2_5745



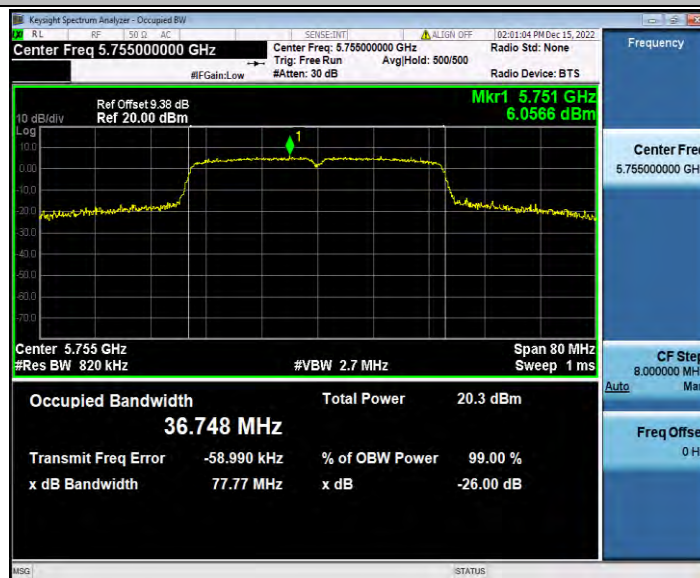
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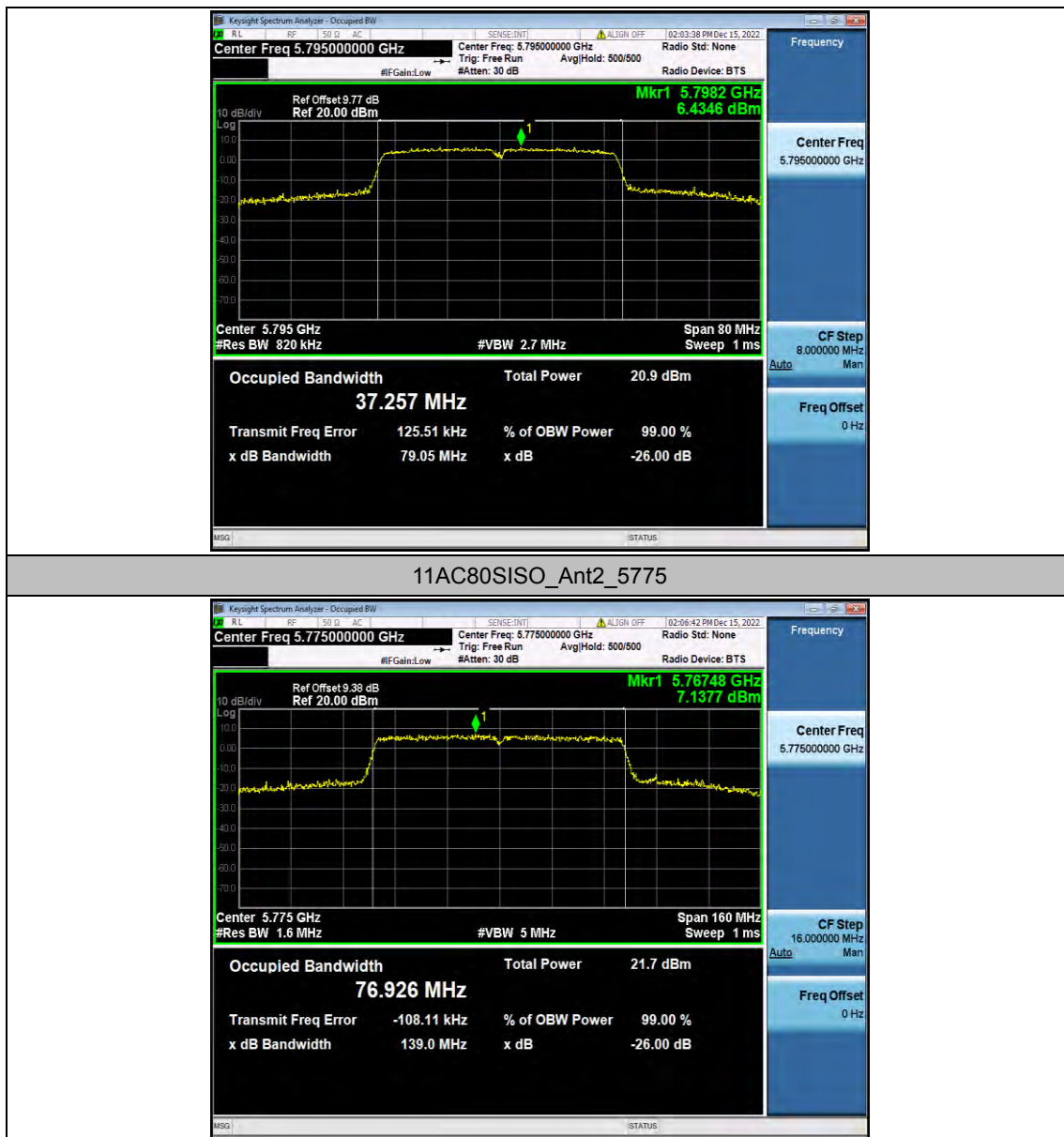
11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



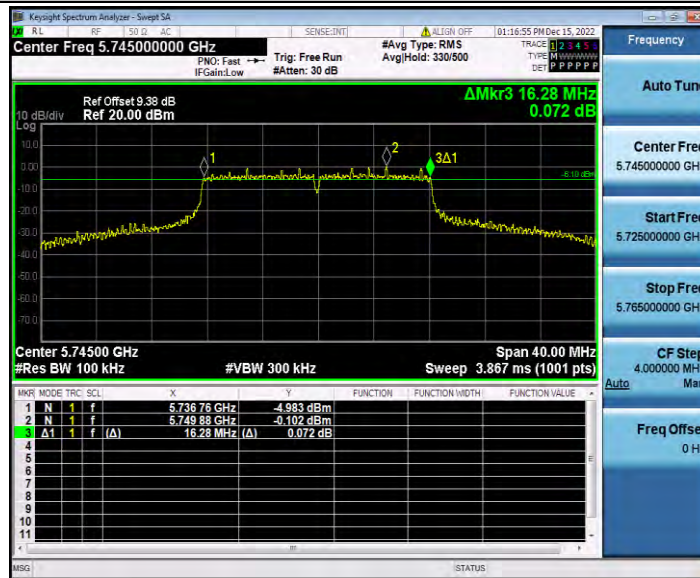
Appendix C.2: Min emission bandwidth

Test Result B4

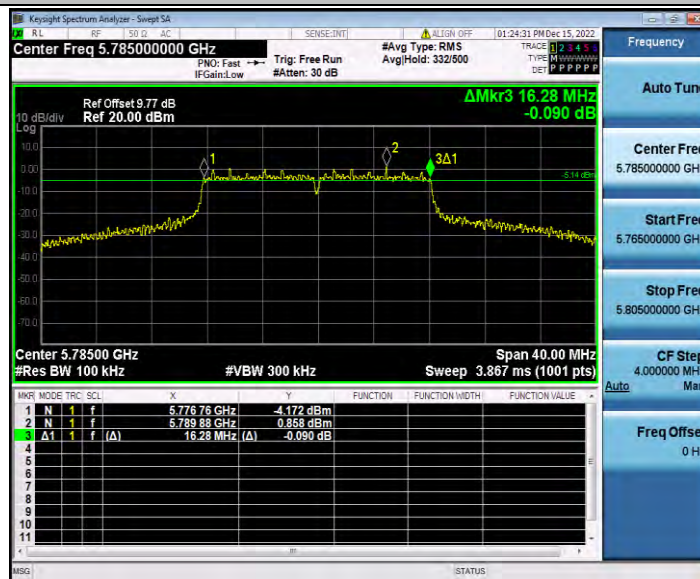
TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5745	16.280	5736.760	5753.040	0.5	PASS
		5785	16.280	5776.760	5793.040	0.5	PASS
		5825	16.320	5816.760	5833.080	0.5	PASS
11N20SISO	Ant2	5745	17.560	5736.120	5753.680	0.5	PASS
		5785	17.560	5776.120	5793.680	0.5	PASS
		5825	17.160	5816.520	5833.680	0.5	PASS
11N40SISO	Ant2	5755	34.400	5737.400	5771.800	0.5	PASS
		5795	35.440	5777.000	5812.440	0.5	PASS
11AC20SISO	Ant2	5745	17.560	5736.120	5753.680	0.5	PASS
		5785	17.560	5776.120	5793.680	0.5	PASS
		5825	17.520	5816.120	5833.640	0.5	PASS
11AC40SISO	Ant2	5755	35.440	5737.000	5772.440	0.5	PASS
		5795	35.040	5777.400	5812.440	0.5	PASS
11AC80SISO	Ant2	5775	75.040	5737.400	5812.440	0.5	PASS

Test Graphs B4

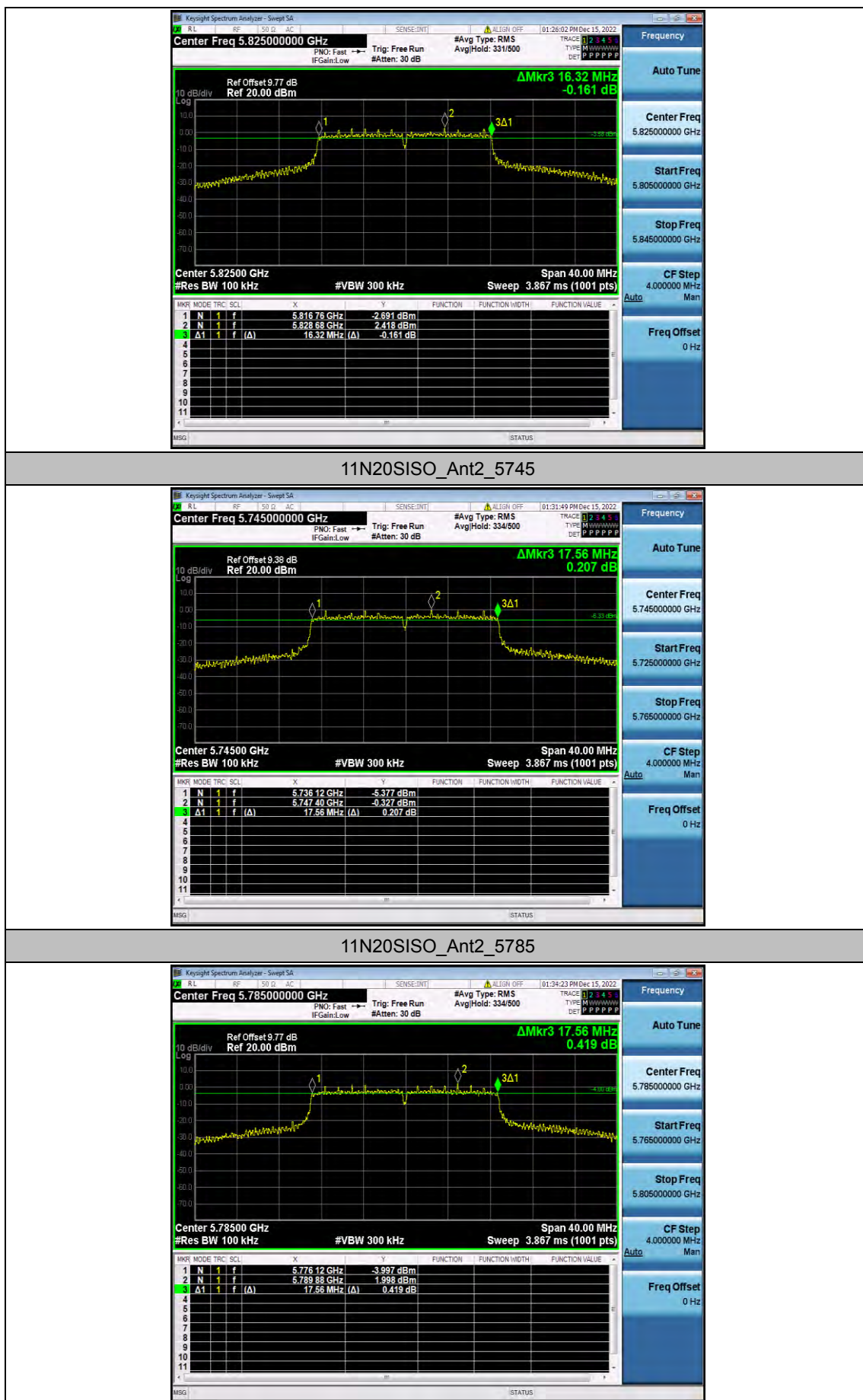
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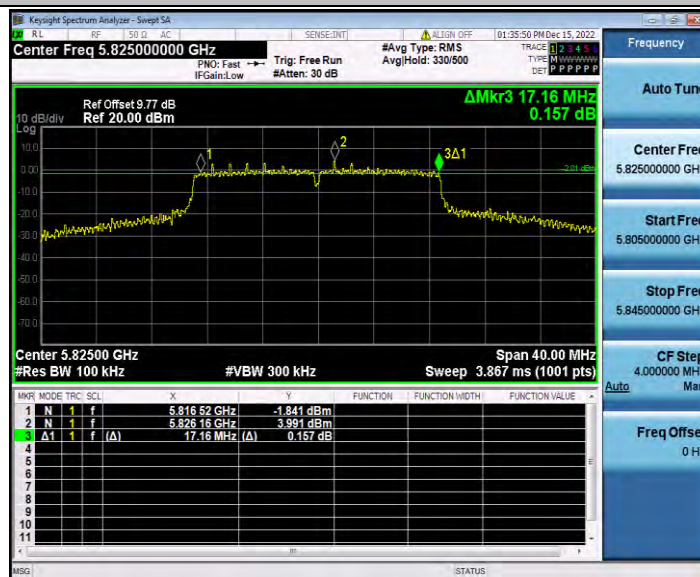
11A_Ant2_5785



11A_Ant2_5825



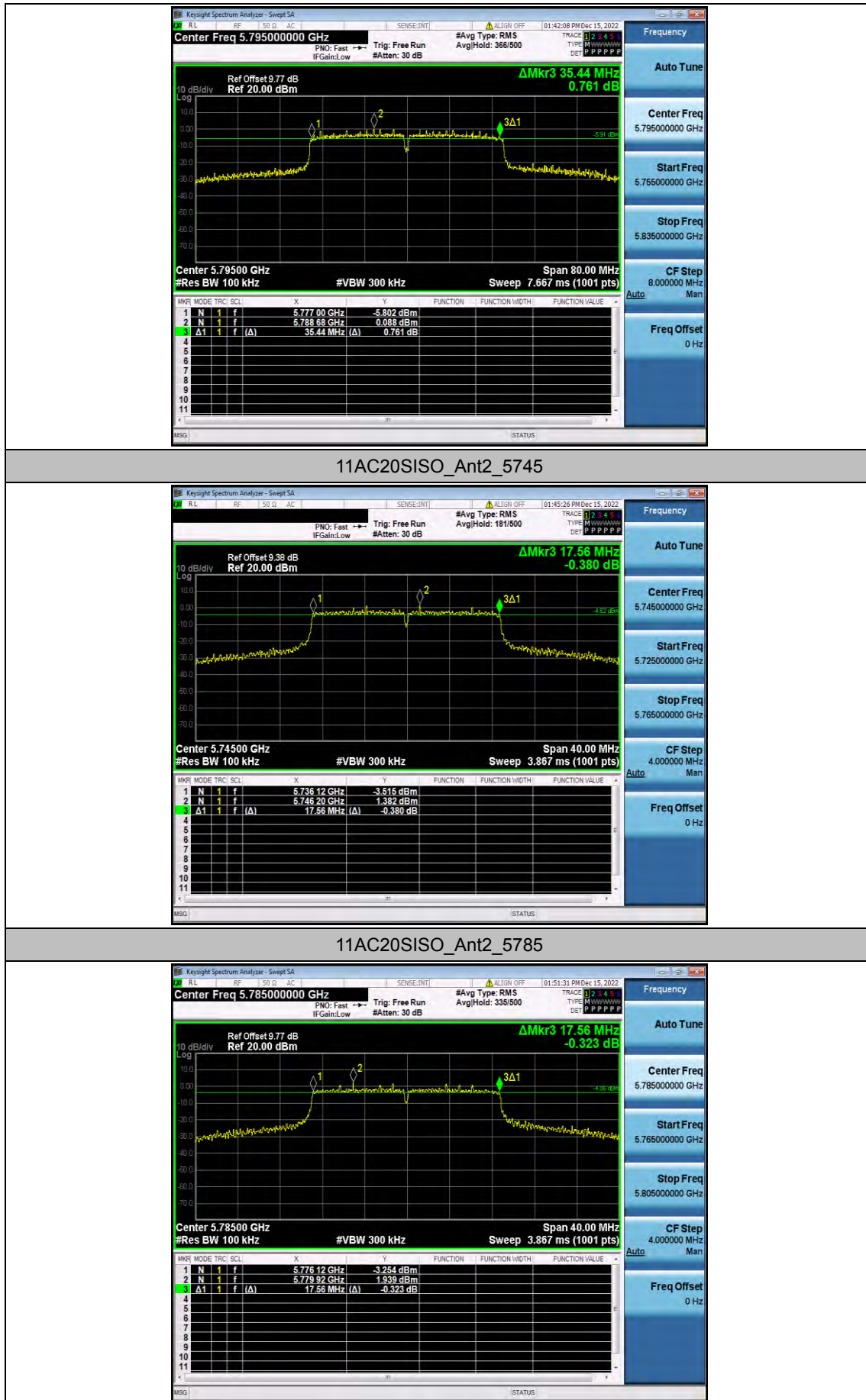
11N20SISO_Ant2_5825



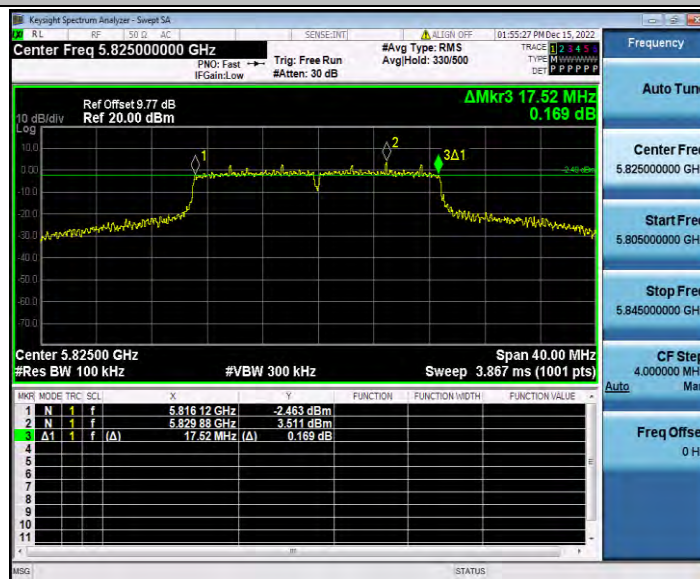
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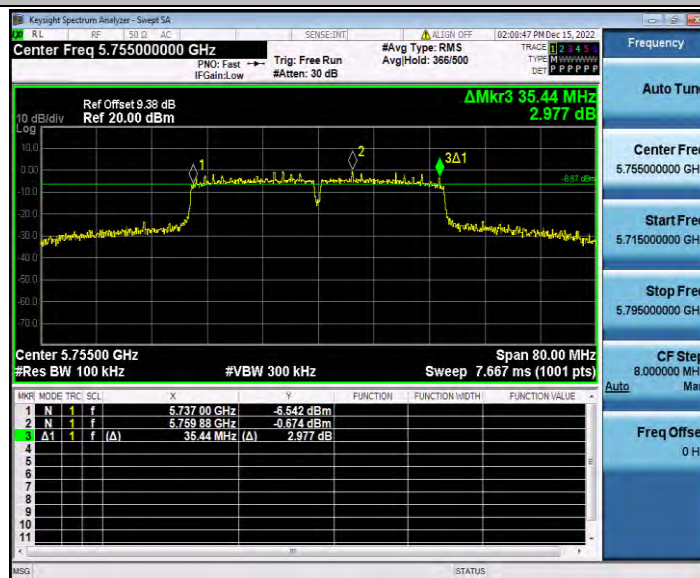
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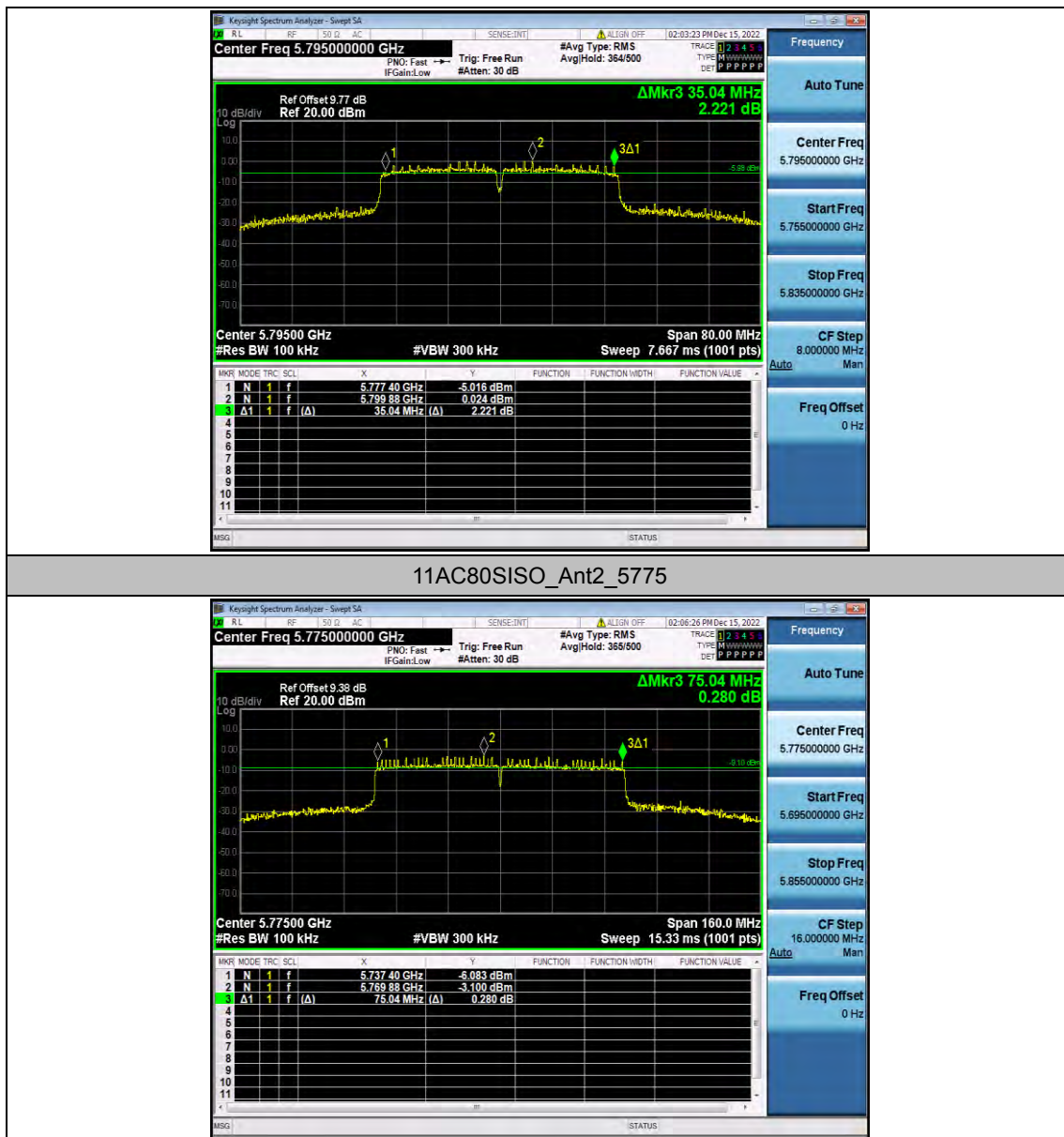
11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



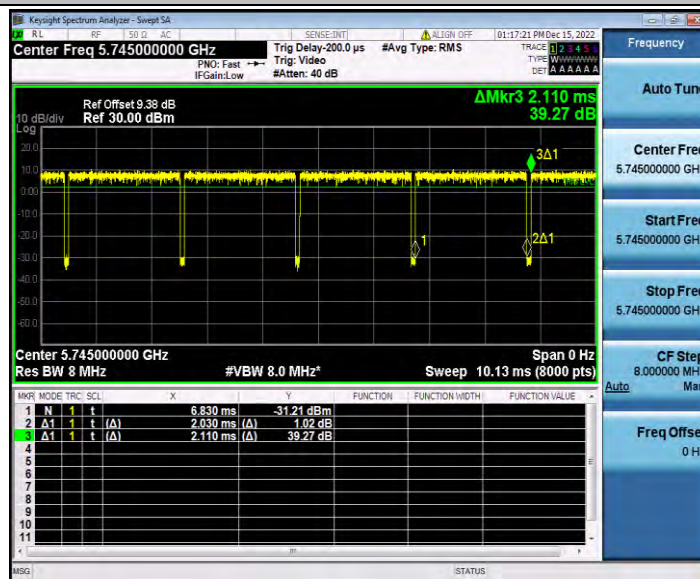
Appendix C.3: Duty Cycle

Test Result

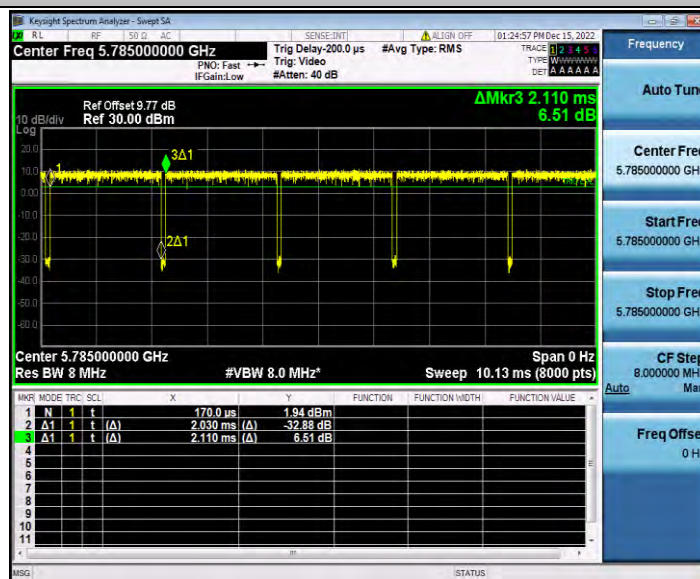
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant2	5745	2.03	2.11	96.21
		5785	2.03	2.11	96.21
		5825	2.03	2.11	96.21
11N20SISO	Ant2	5745	4.96	5.05	98.22
		5785	4.96	5.04	98.41
		5825	4.96	5.04	98.41
11N40SISO	Ant2	5755	2.41	2.49	96.79
		5795	2.41	2.49	96.79
11AC20SISO	Ant2	5745	4.97	5.05	98.42
		5785	4.98	5.05	98.61
		5825	4.97	5.05	98.42
11AC40SISO	Ant2	5755	2.42	2.50	96.80
		5795	2.41	2.49	96.79
11AC80SISO	Ant2	5775	1.14	1.22	93.44

Test Graphs

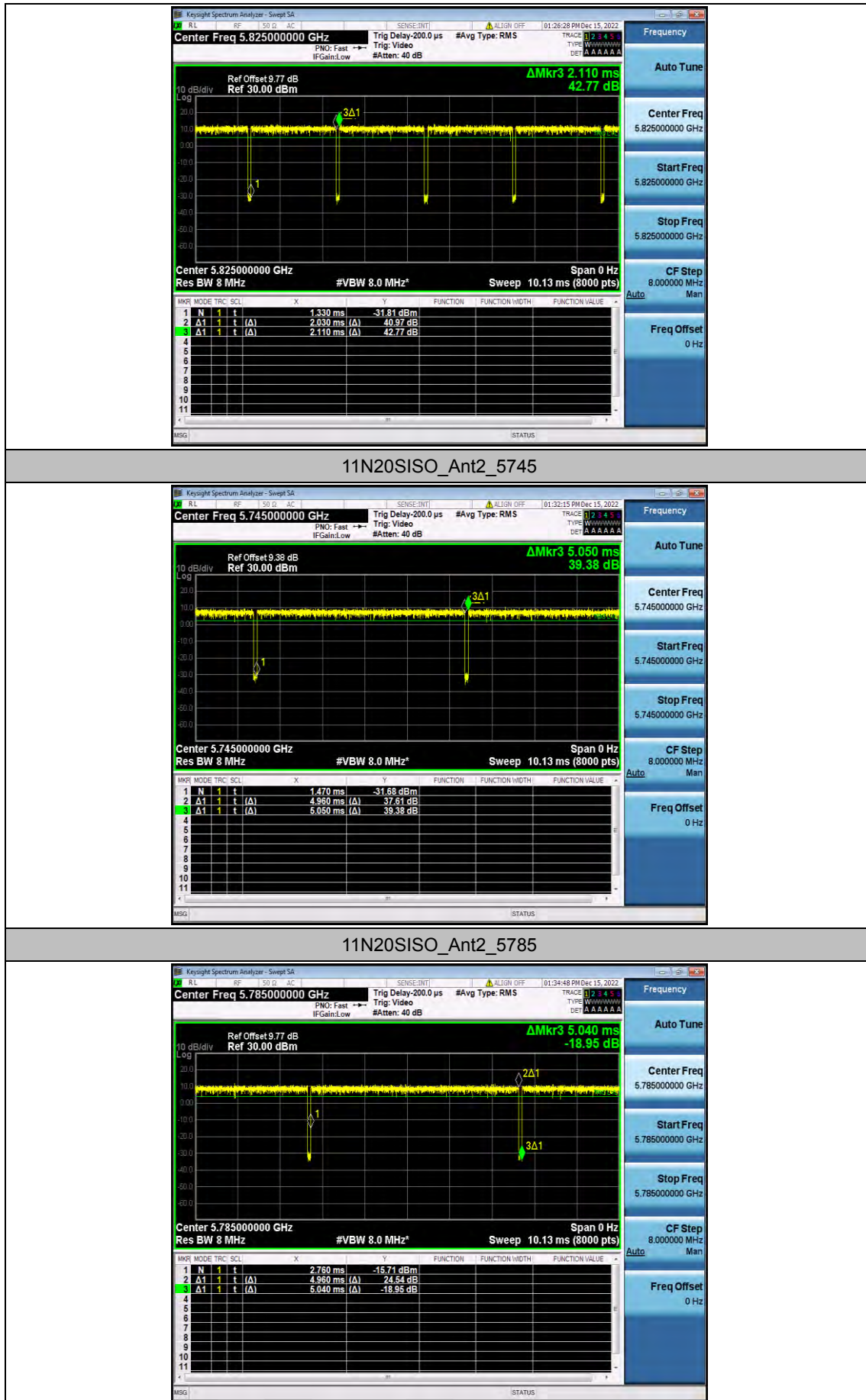
11A_Ant2_5745



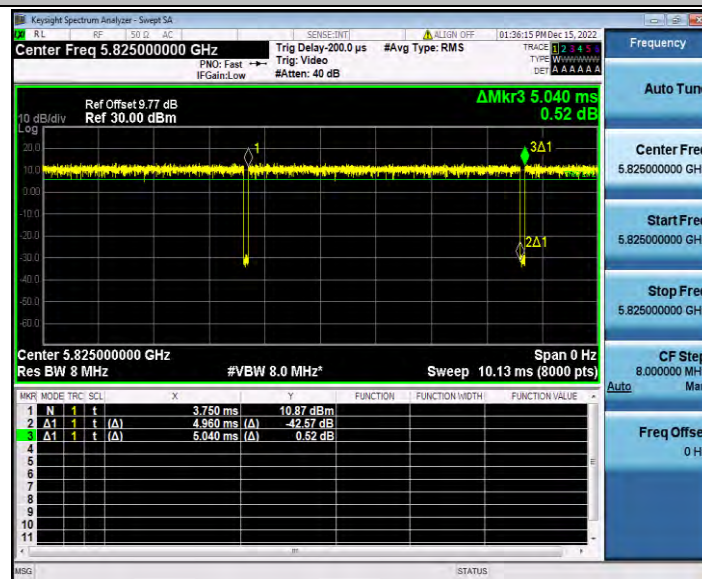
11A_Ant2_5785



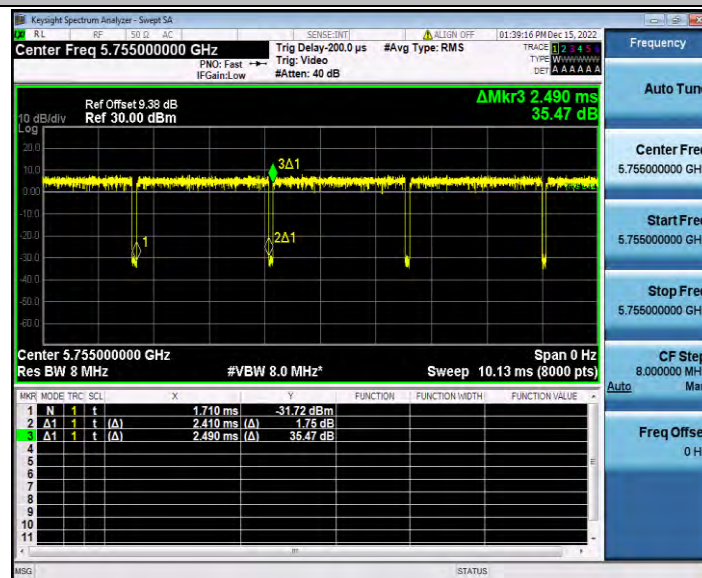
11A_Ant2_5825



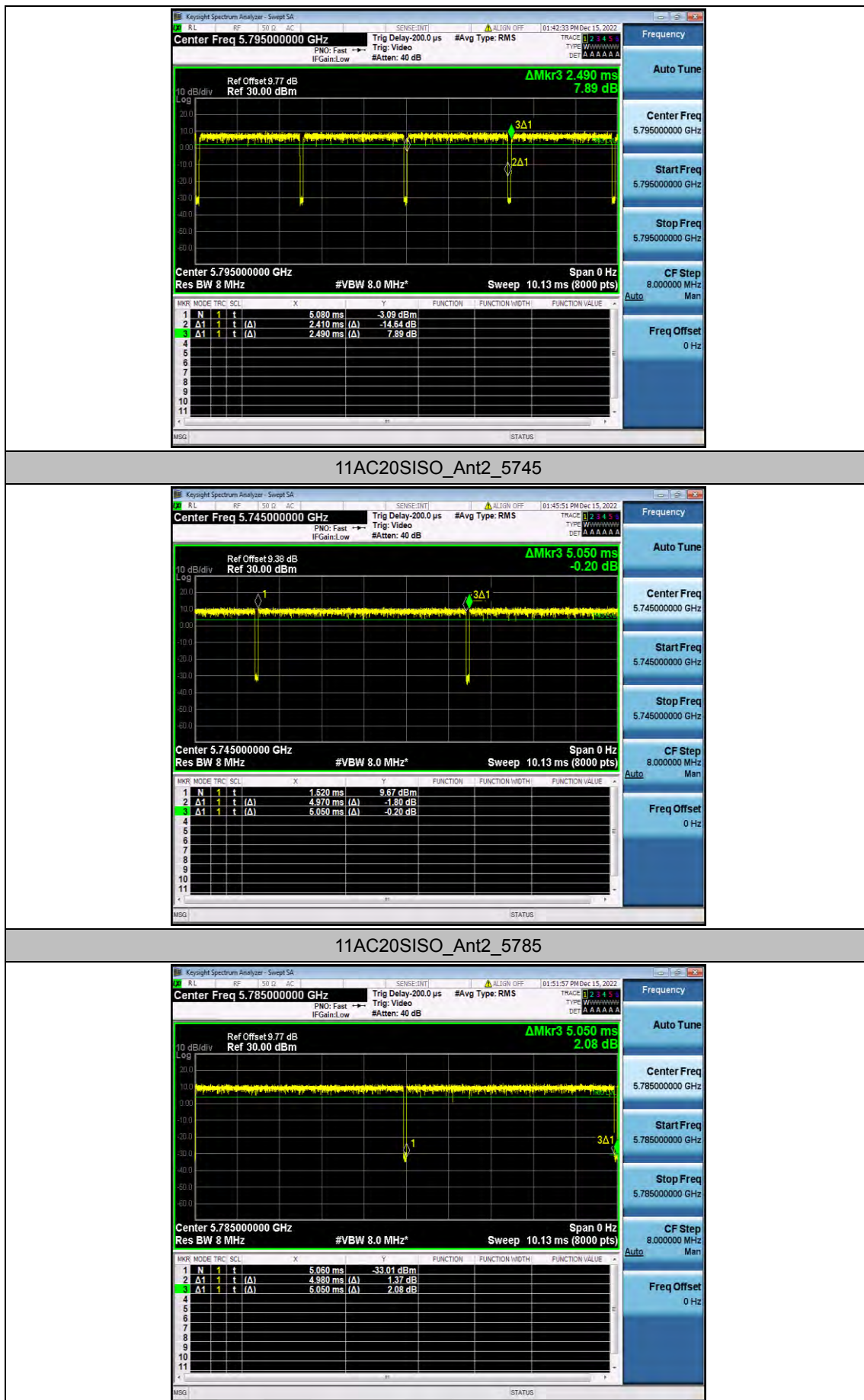
11N20SISO_Ant2_5825



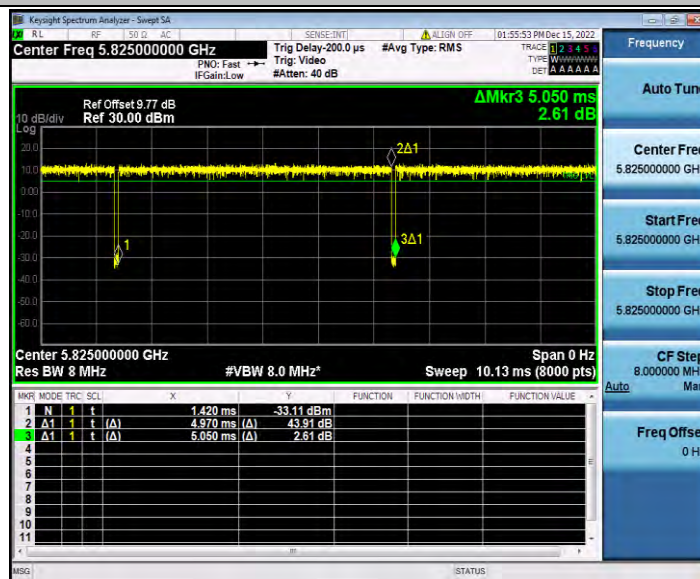
11N40SISO_Ant2_5755



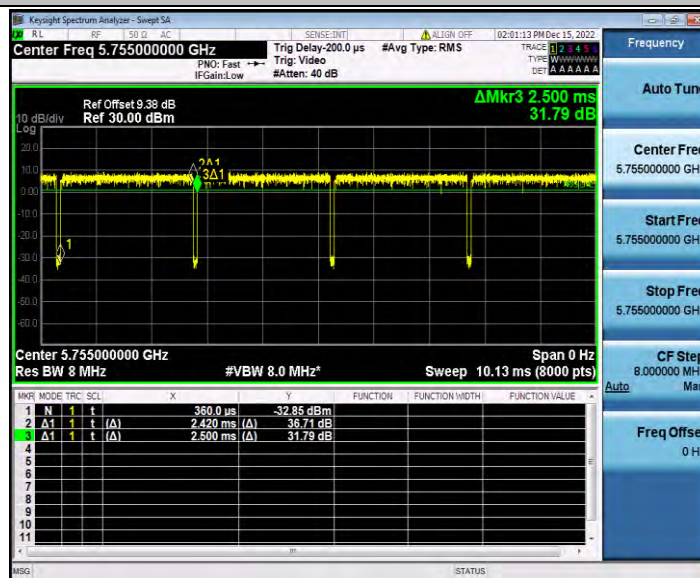
11N40SISO_Ant2_5795



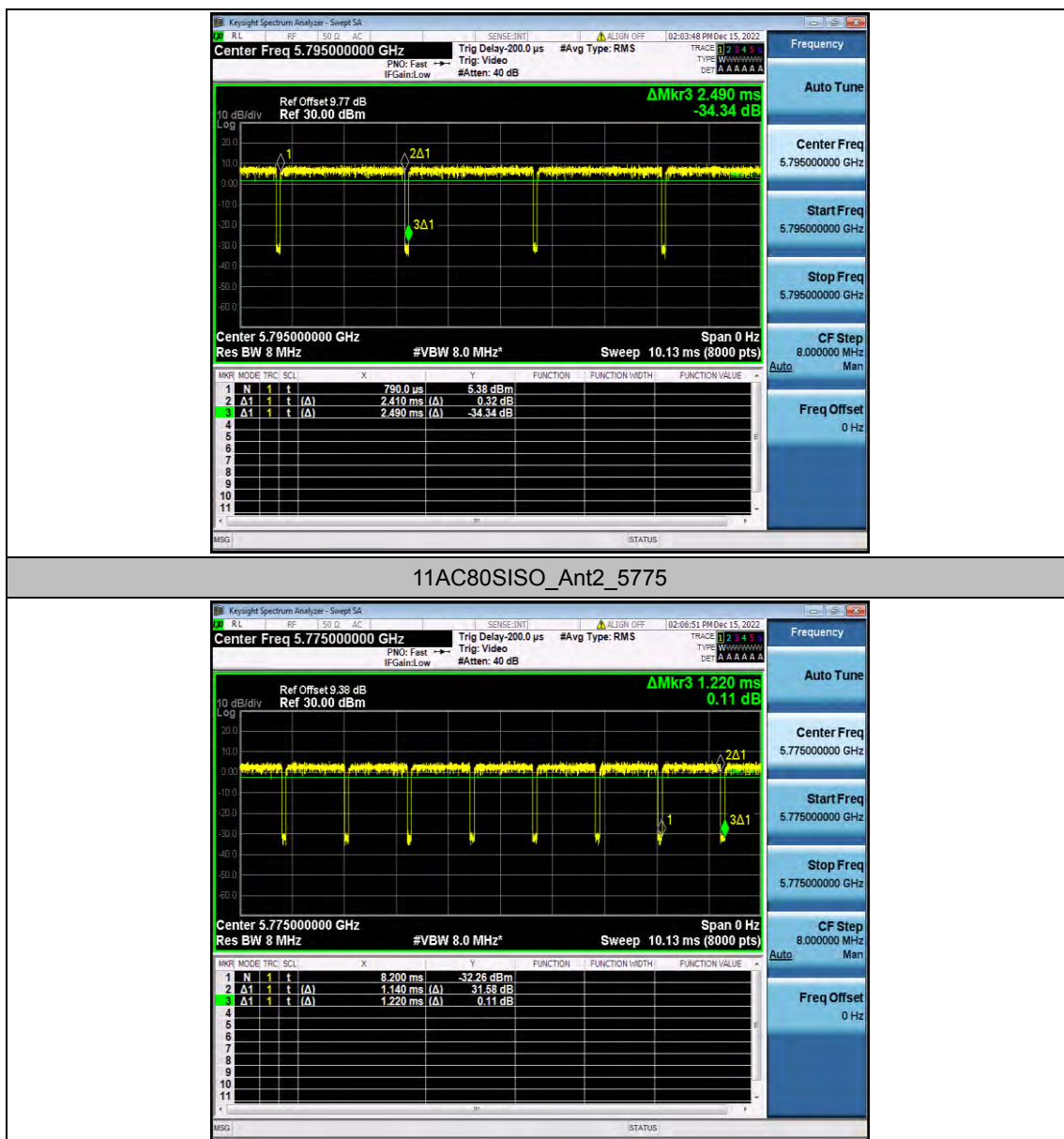
11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_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	Ant2	5745	10.64	96.21	0.17	10.81	≤30.00	PASS
		5785	11.29	96.21	0.17	11.46	≤30.00	PASS
		5825	13.33	96.21	0.17	13.50	≤30.00	PASS
11N20SISO	Ant2	5745	10.81	98.22	0.08	10.89	≤30.00	PASS
		5785	12.29	98.41	0.07	12.36	≤30.00	PASS
		5825	14.13	98.41	0.07	14.20	≤30.00	PASS
11N40SISO	Ant2	5755	11.45	96.79	0.14	11.59	≤30.00	PASS
		5795	13.49	96.79	0.14	13.63	≤30.00	PASS
11AC20SISO	Ant2	5745	11.25	98.42	0.07	11.32	≤30.00	PASS
		5785	12.73	98.61	0.06	12.79	≤30.00	PASS
		5825	13.79	98.42	0.07	13.86	≤30.00	PASS
11AC40SISO	Ant2	5755	12.63	96.80	0.14	12.77	≤30.00	PASS
		5795	13.18	96.79	0.14	13.32	≤30.00	PASS
11AC80SISO	Ant2	5775	12.54	93.44	0.29	12.83	≤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	Ant2	5745	3.22	≤30.00	PASS
		5785	4.24	≤30.00	PASS
		5825	6.64	≤30.00	PASS
11N20SISO	Ant2	5745	3.12	≤30.00	PASS
		5785	4.67	≤30.00	PASS
		5825	6.44	≤30.00	PASS
11N40SISO	Ant2	5755	1.61	≤30.00	PASS
		5795	2.95	≤30.00	PASS
11AC20SISO	Ant2	5745	4.54	≤30.00	PASS
		5785	5.38	≤30.00	PASS
		5825	6.34	≤30.00	PASS
11AC40SISO	Ant2	5755	2.23	≤30.00	PASS
		5795	2.66	≤30.00	PASS
11AC80SISO	Ant2	5775	-0.84	≤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

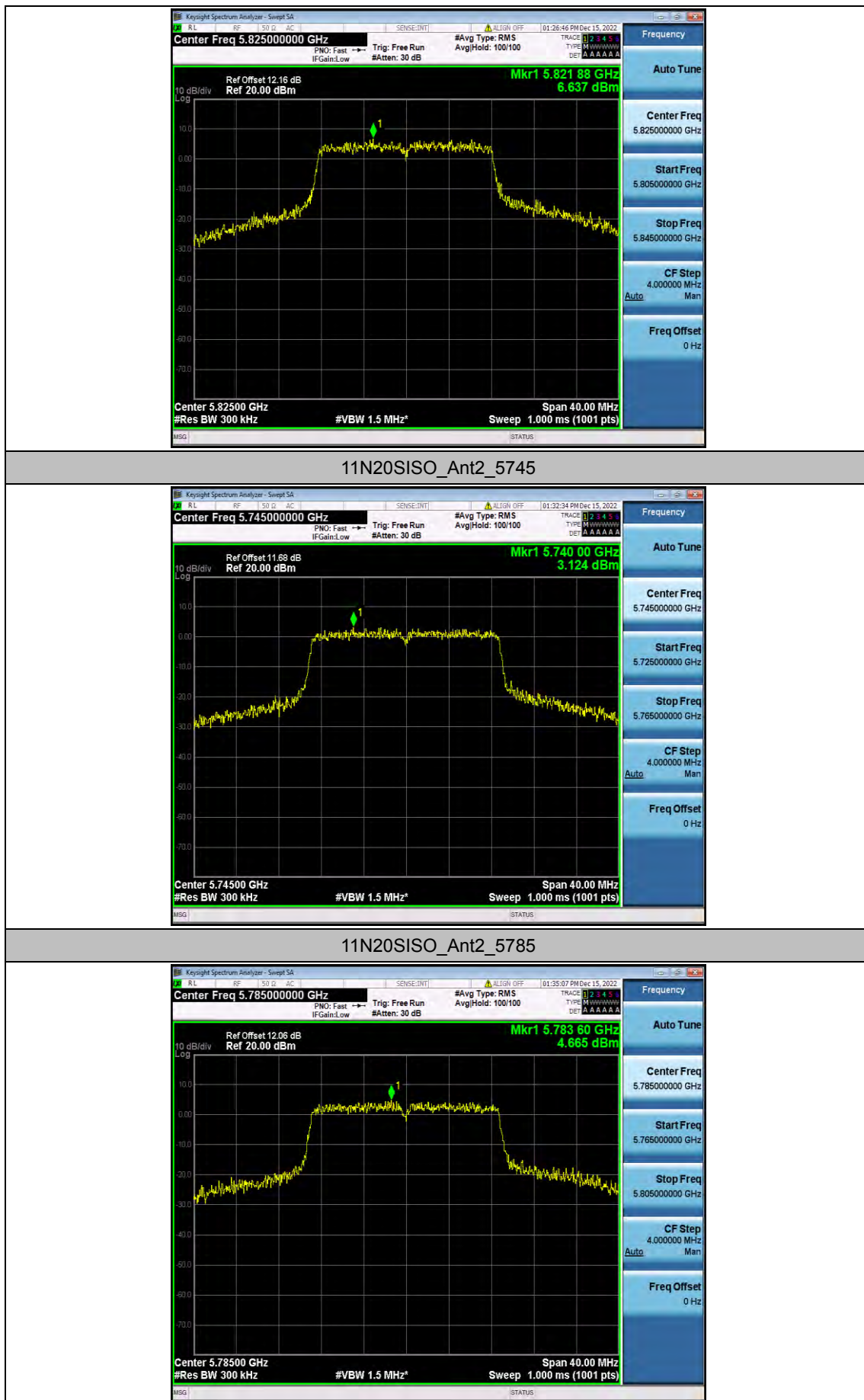
11A_Ant2_5745



11A_Ant2_5785



11A_Ant2_5825



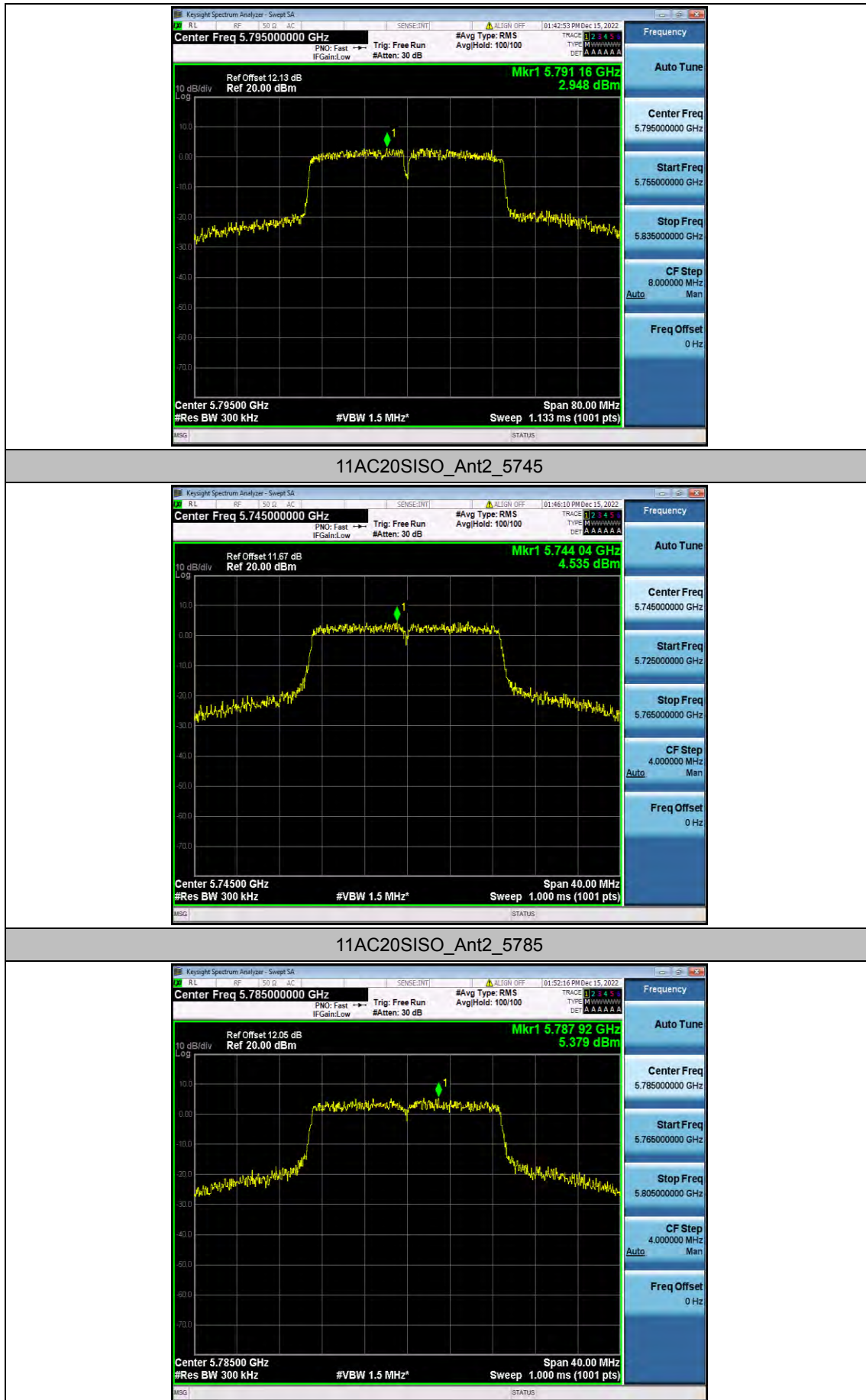
11N20SISO_Ant2_5825



11N40SISO_Ant2_5755



11N40SISO_Ant2_5795



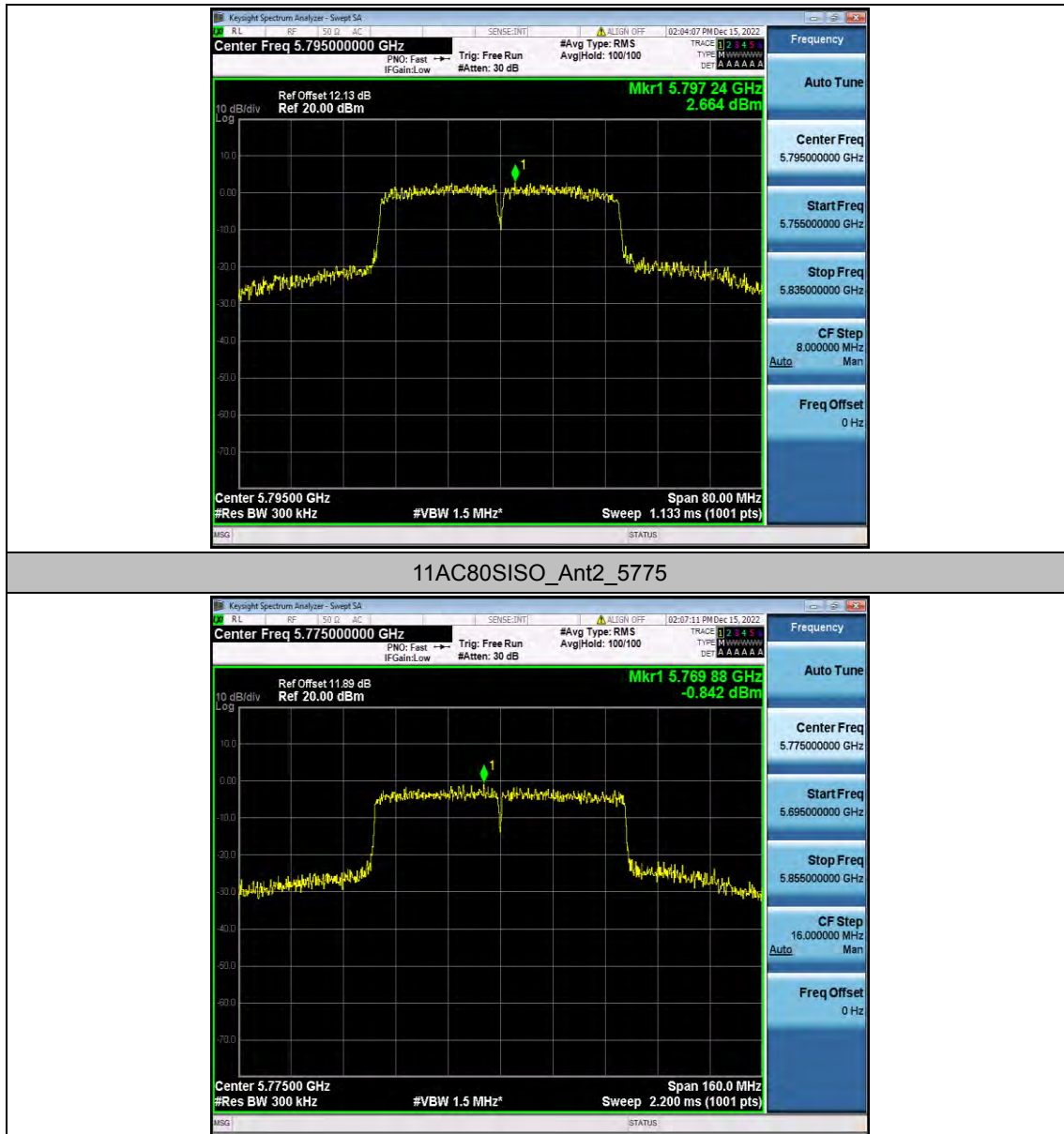
11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



Appendix C.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	-37.79	≤7.68	PASS
				5700~5720	-32.94	≤15.53	PASS
				5720~5725	-21.86	≤25.52	PASS
				5760~5650	-39.97	≤-27	PASS
		High	5825	5850~5855	-29.06	≤16.41	PASS
				5855~5875	-32.42	≤10.21	PASS
				5875~5925	-37.89	≤-23.86	PASS
				5925~5935	-39.22	≤-27	PASS
11N20SI SO	Ant2	Low	5745	5650~5700	-38.19	≤7.94	PASS
				5700~5720	-32.1	≤15.40	PASS
				5720~5725	-20.94	≤24.99	PASS
				5760~5650	-40.02	≤-27	PASS
		High	5825	5850~5855	-22.4	≤15.79	PASS
				5855~5875	-32.62	≤10.44	PASS
				5875~5925	-37.13	≤-25.26	PASS
				5925~5935	-38.73	≤-27	PASS
11N40SI SO	Ant2	Low	5755	5650~5700	-35.55	≤3.17	PASS
				5700~5720	-21.2	≤15.58	PASS
				5720~5725	-20.6	≤21.28	PASS
				5780~5650	-39.58	≤-27	PASS
		High	5795	5850~5855	-32.1	≤20.55	PASS
				5855~5875	-32.93	≤10.04	PASS
				5875~5925	-35.11	≤-26.80	PASS
				5925~5935	-38.05	≤-27	PASS
11AC20S ISO	Ant2	Low	5745	5650~5700	-36.44	≤9.81	PASS
				5700~5720	-28.69	≤15.56	PASS
				5720~5725	-19.81	≤24.99	PASS
				5760~5650	-40.61	≤-27	PASS
		High	5825	5850~5855	-26.06	≤15.79	PASS
				5855~5875	-31.59	≤10.40	PASS
				5875~5925	-37.9	≤-24.46	PASS
				5925~5935	-39.23	≤-27	PASS
11AC40S ISO	Ant2	Low	5755	5650~5700	-34.55	≤3.57	PASS
				5700~5720	-17.36	≤15.43	PASS
				5720~5725	-16.05	≤19.43	PASS

		High	5795	5780~5650	-38.04	≤ -27	PASS
				5850~5855	-32.24	≤ 16.03	PASS
				5855~5875	-32.18	≤ 11.47	PASS
				5875~5925	-35.67	≤ -24.24	PASS
				5925~5935	-38.65	≤ -27	PASS
11AC80S ISO	Ant2	Low	5775	5650~5700	-22.23	≤ 6.46	PASS
				5700~5720	-17.8	≤ 13.52	PASS
				5720~5725	-17.13	≤ 21.65	PASS
				5800~5650	-29.86	≤ -27	PASS
		High	5775	5850~5855	-22.14	≤ 17.48	PASS
				5855~5875	-23.7	≤ 10.07	PASS
				5875~5925	-28.59	≤ -26.00	PASS
				5925~5935	-36.02	≤ -27	PASS

Test Graphs B4

11A_Ant2_Low_5745



11A_Ant2_High_5825



11N20SISO_Ant2_Low_5745



11N20SISO_Ant2_High_5825



11N40SISO_Ant2_Low_5755



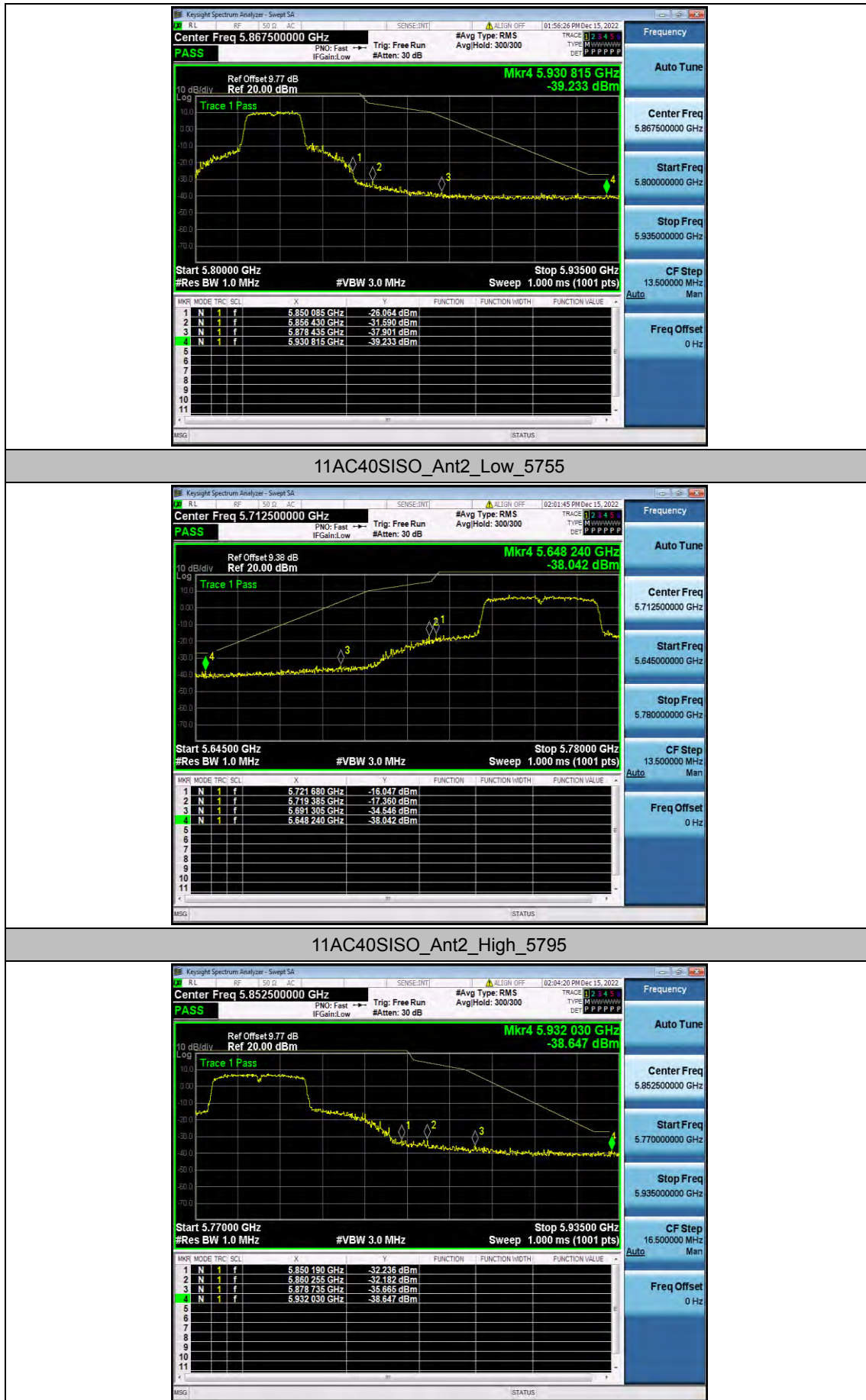
11N40SISO_Ant2_High_5795



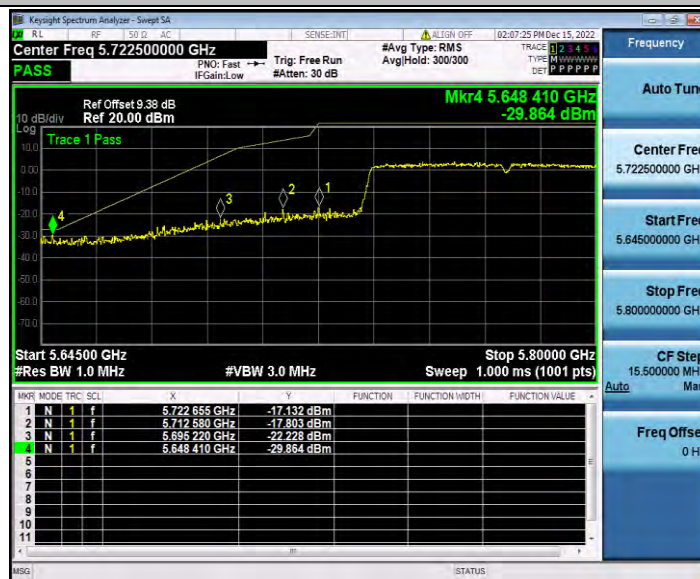
11AC20SISO_Ant2_Low_5745



11AC20SISO_Ant2_High_5825



11AC80SISO_Ant2_Low_5775



11AC80SISO_Ant2_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	Ant2	5745	30~5650	2979.38	-41.01	≤-27	PASS
			5925~40000	25063.91	-32.78	≤-27	PASS
		5785	30~5650	5484.96	-39.98	≤-27	PASS
			5925~40000	25296.44	-32.76	≤-27	PASS
		5825	30~5650	1751.03	-38.83	≤-27	PASS
			5925~40000	24249.71	-32.01	≤-27	PASS
11N20SISO	Ant2	5745	30~5650	3260.75	-40.77	≤-27	PASS
			5925~40000	24256.04	-32.64	≤-27	PASS
		5785	30~5650	5453.86	-40.48	≤-27	PASS
			5925~40000	24814.52	-32.86	≤-27	PASS
		5825	30~5650	5487.96	-39.86	≤-27	PASS
			5925~40000	25258.5	-31.46	≤-27	PASS
11N40SISO	Ant2	5755	30~5650	5455.36	-40.77	≤-27	PASS
			5925~40000	26014.39	-33.05	≤-27	PASS
		5795	30~5650	5440.19	-40.44	≤-27	PASS
			5925~40000	25058.99	-31.96	≤-27	PASS
11AC20SISO	Ant2	5745	30~5650	4932.51	-40.54	≤-27	PASS
			5925~40000	24282.03	-32.5	≤-27	PASS
		5785	30~5650	4947.87	-40.66	≤-27	PASS
			5925~40000	26047.41	-32.63	≤-27	PASS
		5825	30~5650	5461.54	-39.42	≤-27	PASS
			5925~40000	23483.99	-32.98	≤-27	PASS
11AC40SISO	Ant2	5755	30~5650	3235.46	-40.87	≤-27	PASS
			5925~40000	24234.26	-33.38	≤-27	PASS
		5795	30~5650	2520.03	-41.09	≤-27	PASS
			5925~40000	26075.51	-32.47	≤-27	PASS
11AC80SISO	Ant2	5775	30~5650	5602.42	-32.03	≤-27	PASS
			5925~40000	24283.43	-32.31	≤-27	PASS

Test Graphs

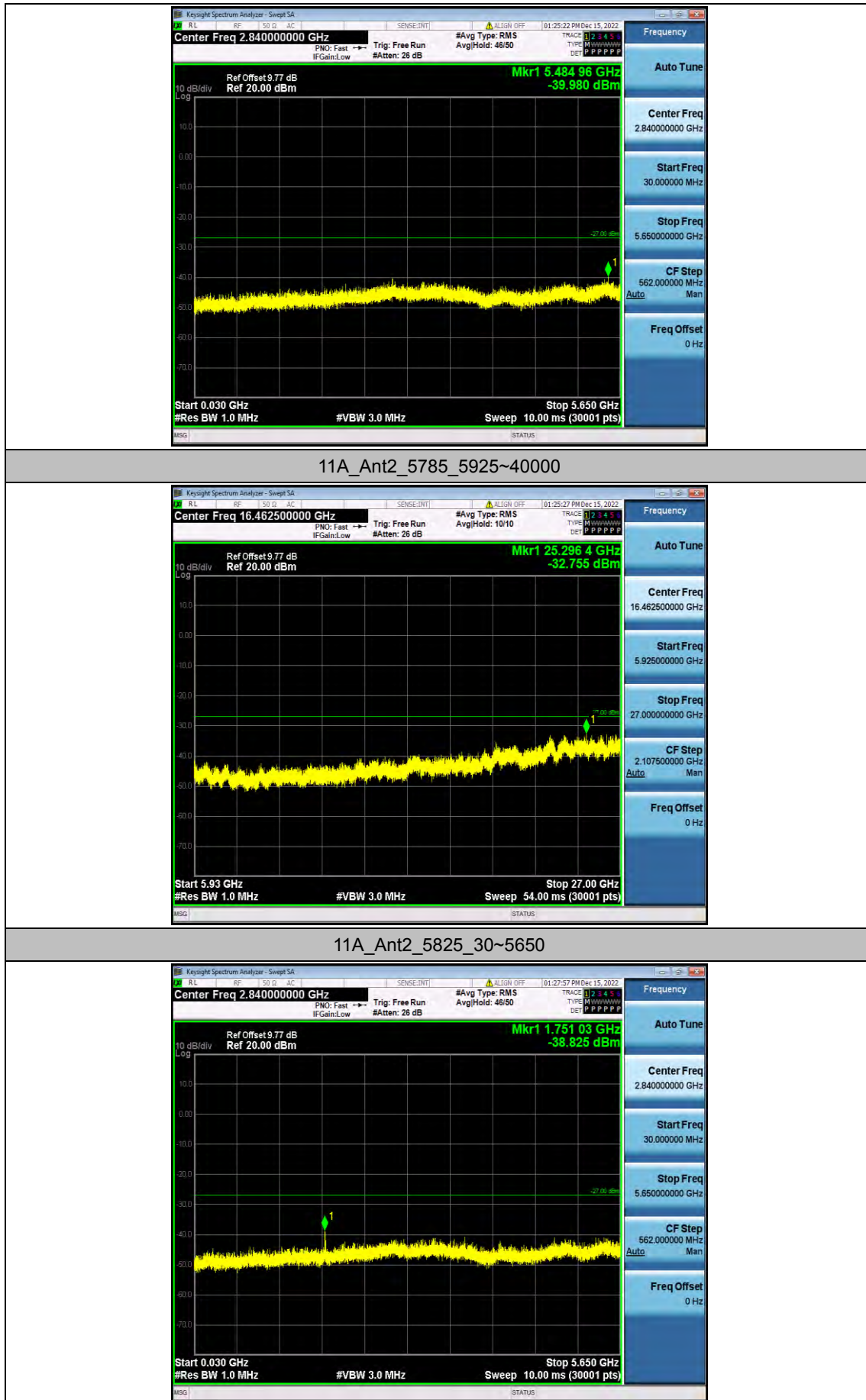
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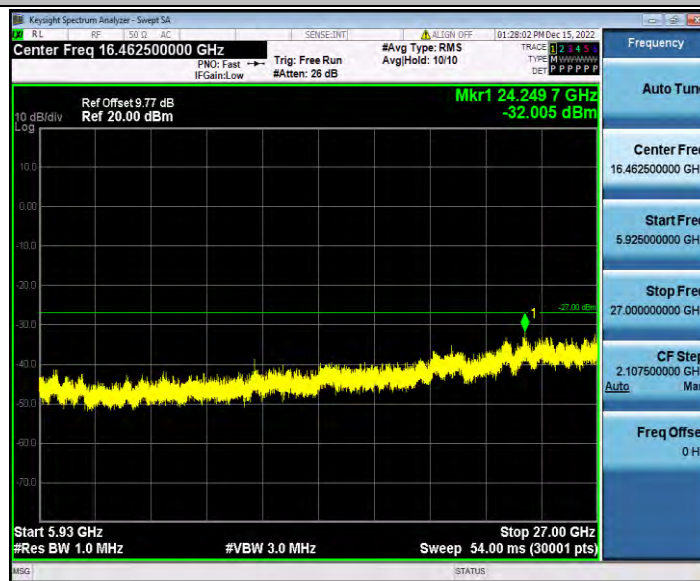
11A_Ant2_5745_5925~40000



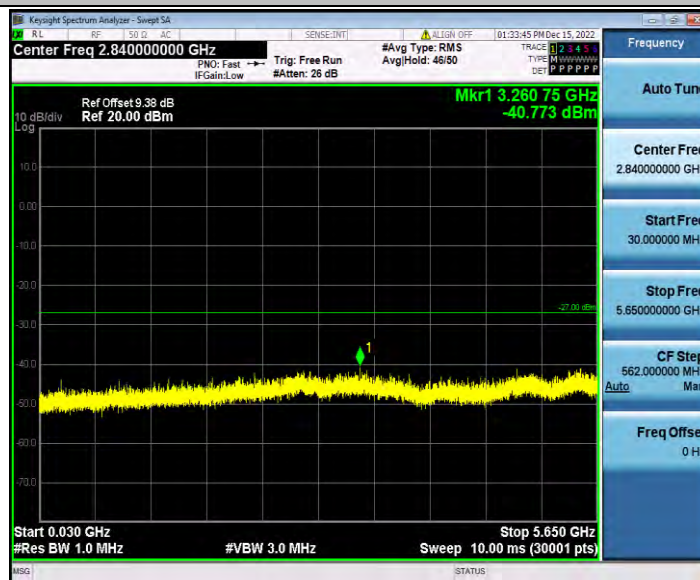
11A_Ant2_5785_30~5650



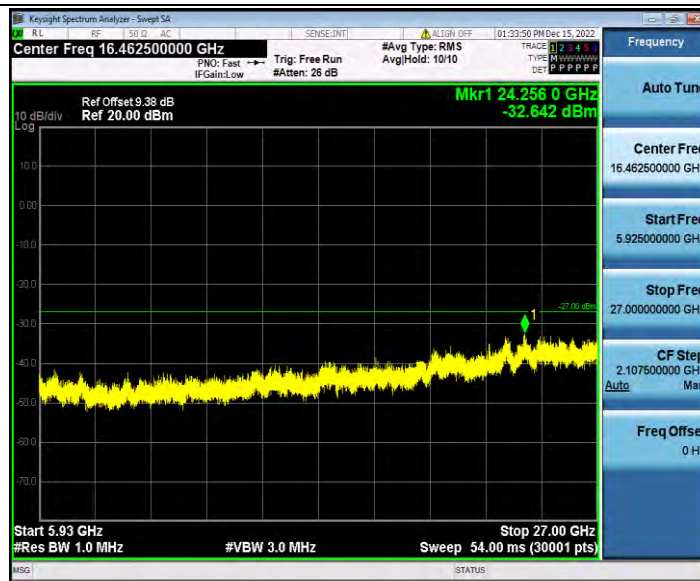
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11N20SISO_Ant2_5745_30~5650



11N20SISO_Ant2_5745_5925~40000



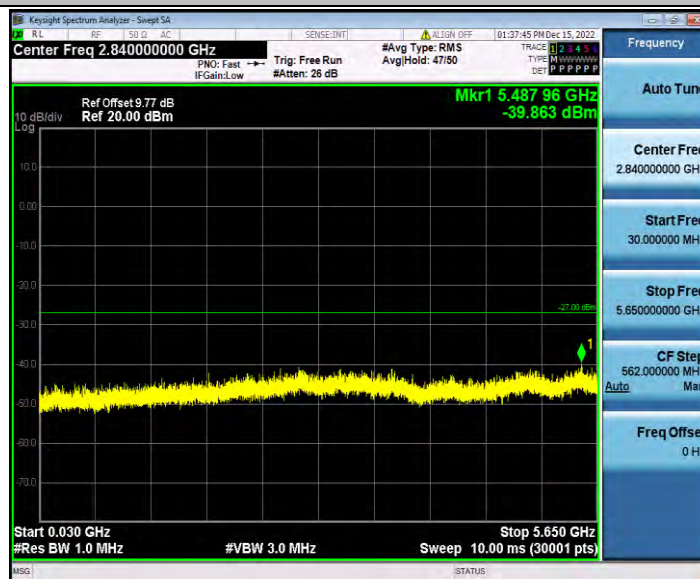
11N20SISO_Ant2_5785_30~5650



11N20SISO_Ant2_5785_5925~40000



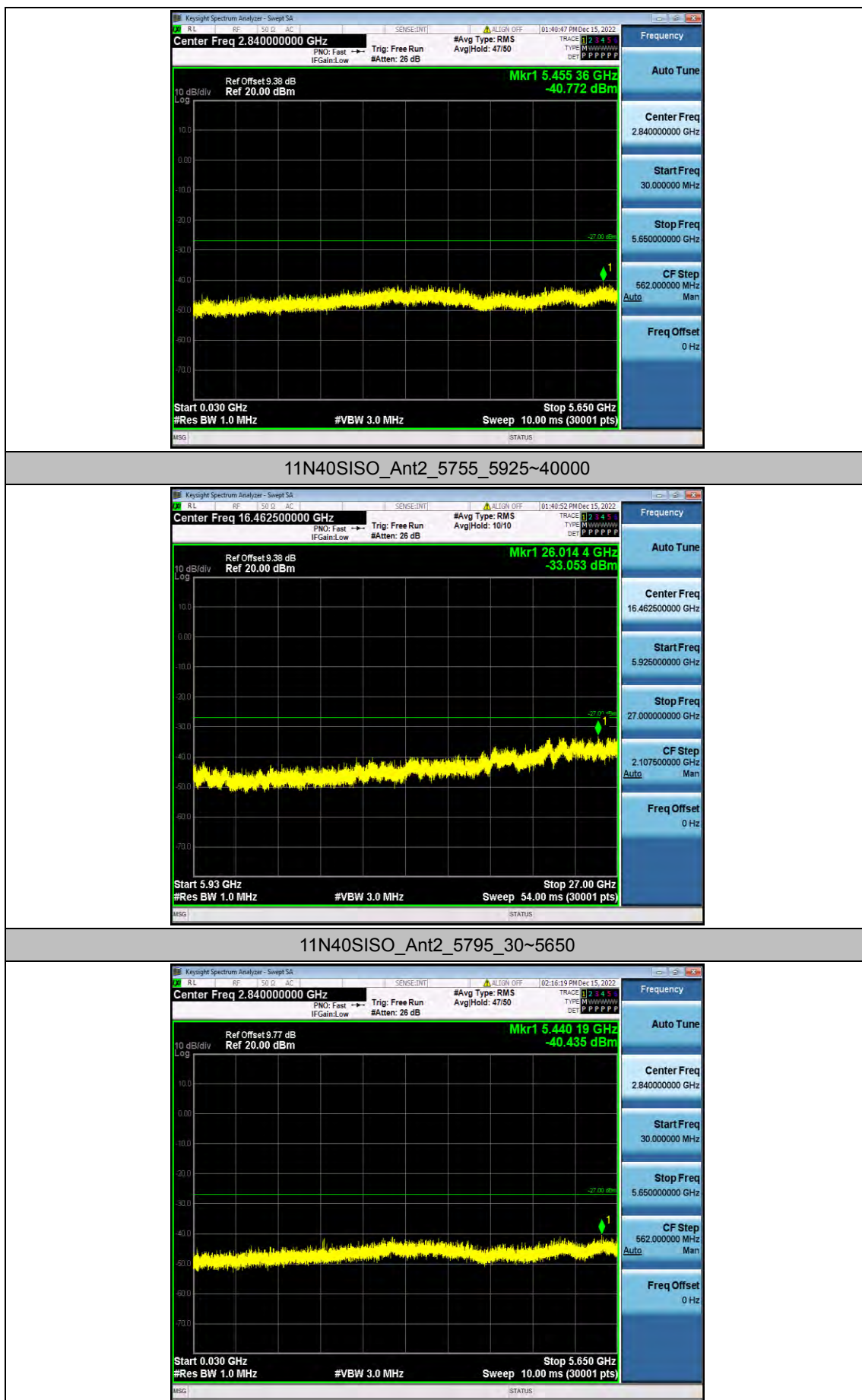
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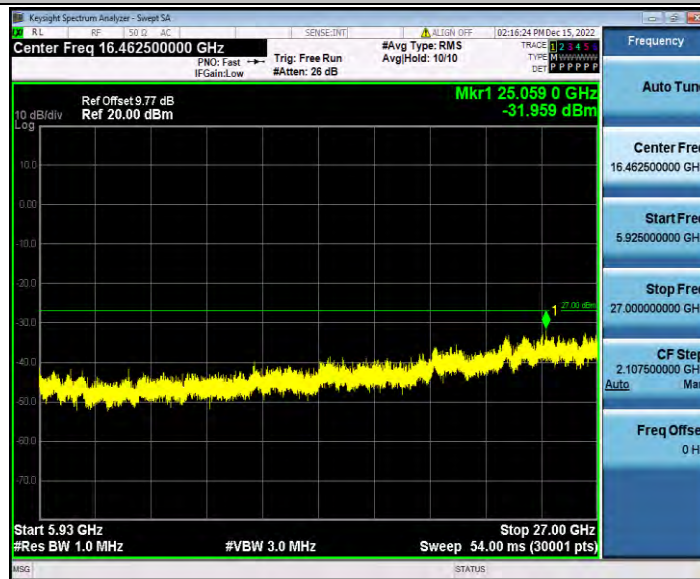
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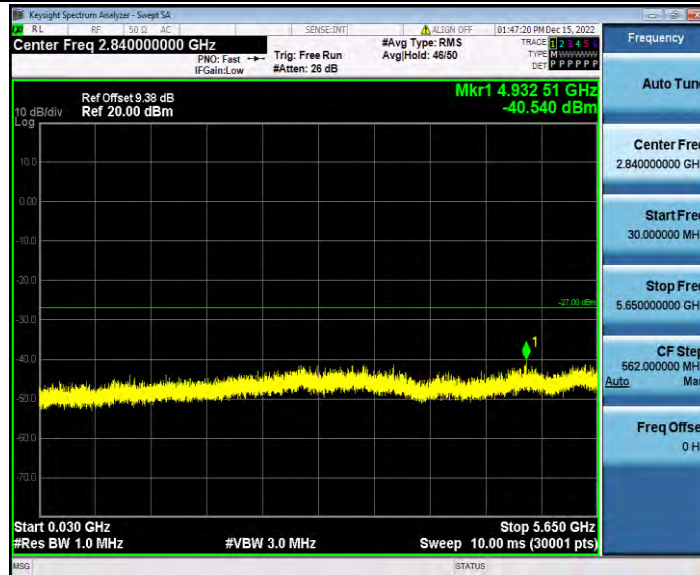
11N40SISO_Ant2_5755_30~5650



11N40SISO_Ant2_5795_5925~40000



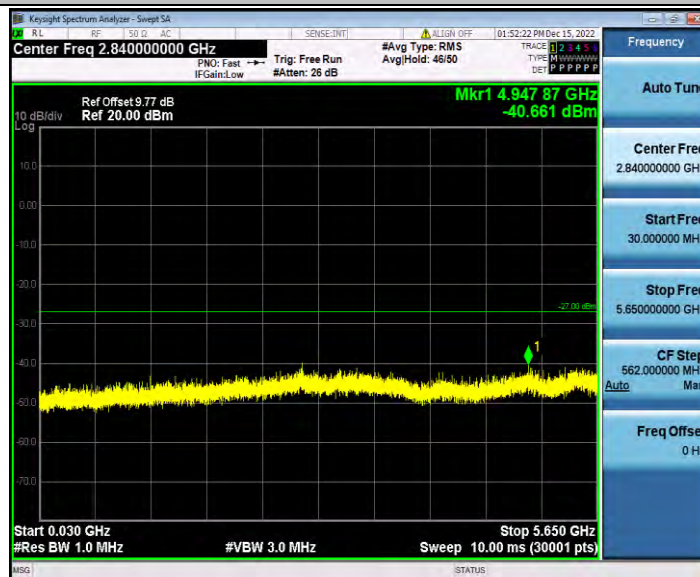
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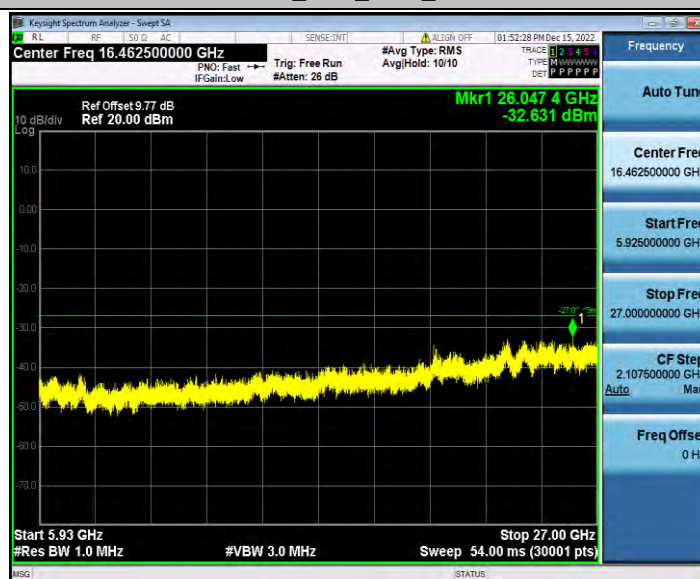
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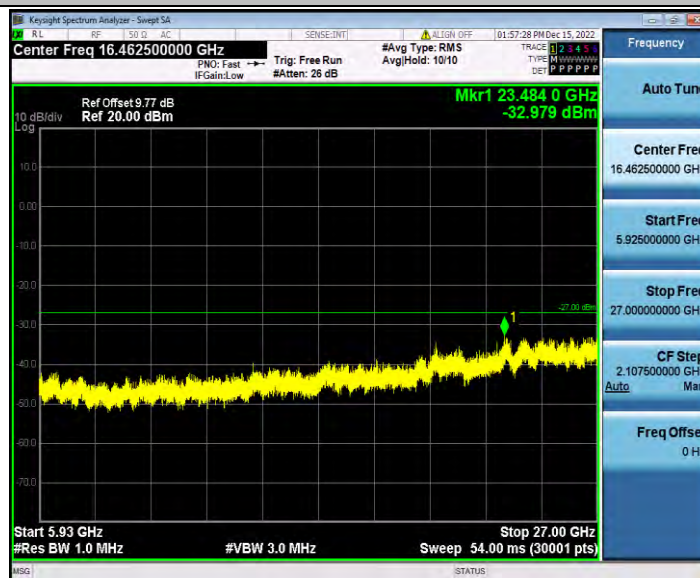
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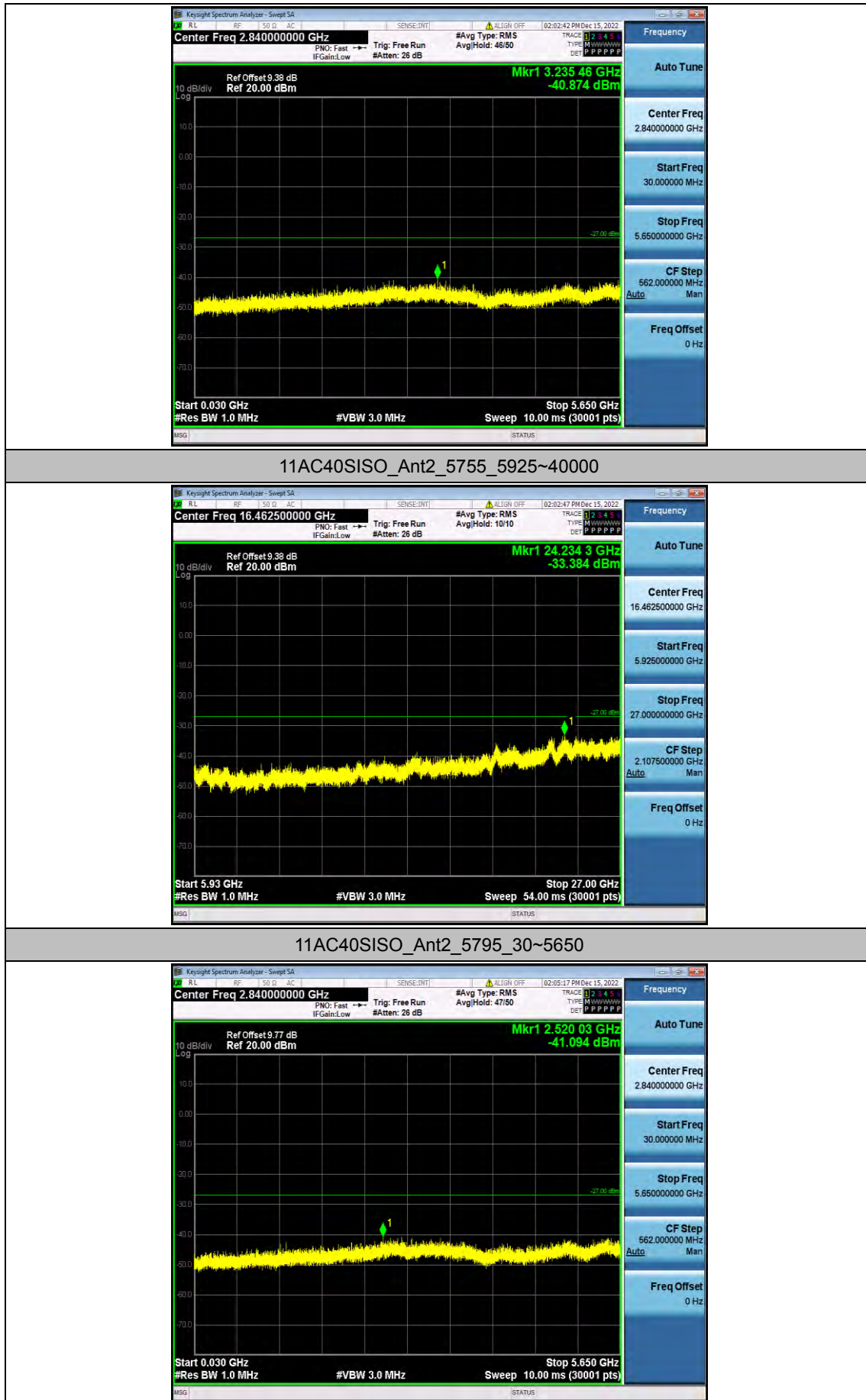
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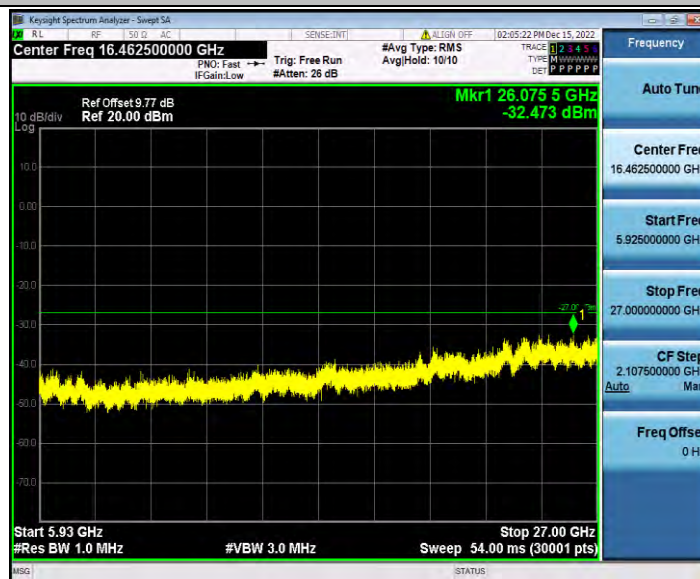
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11AC40SISO_Ant2_5795_5925~40000



11AC80SISO_Ant2_5775_30~5650



11AC80SISO_Ant2_5775_5925~40000

