

Appendix G.6: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-39.29	≤-26.70	PASS
				5700~5720	-31.59	≤15.53	PASS
				5720~5725	-34.64	≤16.08	PASS
				5760~5650	-38.38	≤-27	PASS
		High	5825	5850~5855	-34.71	≤15.73	PASS
				5855~5875	-37.9	≤11.57	PASS
				5875~5925	-39.36	≤-26.81	PASS
				5925~5935	-37.49	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-38.97	≤-26.45	PASS
				5700~5720	-27.65	≤15.53	PASS
				5720~5725	-27.37	≤16.08	PASS
				5760~5650	-39.33	≤-27	PASS
		High	5825	5850~5855	-31.95	≤16.34	PASS
				5855~5875	-30.56	≤14.75	PASS
				5875~5925	-38.98	≤-26.71	PASS
				5925~5935	-37.02	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-39.94	≤-26.60	PASS
				5700~5720	-30.31	≤14.48	PASS
				5720~5725	-30.85	≤15.74	PASS
				5780~5650	-39.06	≤-27	PASS
		High	5795	5850~5855	-39.16	≤16.03	PASS
				5855~5875	-38.21	≤10.02	PASS
				5875~5925	-39.47	≤-26.95	PASS
				5925~5935	-38.07	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-39.56	≤-26.87	PASS
				5700~5720	-31.2	≤14.63	PASS
				5720~5725	-29.01	≤17.65	PASS
				5760~5650	-39.3	≤-27	PASS
		High	5825	5850~5855	-33.43	≤16.03	PASS
				5855~5875	-38.6	≤10.06	PASS
				5875~5925	-39.09	≤-26.41	PASS
				5925~5935	-37.65	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-40.34	≤-26.60	PASS
				5700~5720	-31.81	≤14.37	PASS
				5720~5725	-32.05	≤16.35	PASS
				5780~5650	-39.43	≤-27	PASS

11AC80S ISO	Ant1	High	5795	5850~5855	-38.83	≤ 15.66	PASS
				5855~5875	-36.08	≤ 13.07	PASS
				5875~5925	-39.16	≤ -26.46	PASS
				5925~5935	-38.44	≤ -27	PASS
		Low	5775	5650~5700	-39.89	≤ -26.69	PASS
				5700~5720	-32.33	≤ 12.26	PASS
				5720~5725	-31.49	≤ 16.35	PASS
				5800~5650	-39.99	≤ -27	PASS
		High	5775	5850~5855	-35.16	≤ 15.84	PASS
				5855~5875	-38.23	≤ 10.60	PASS
				5875~5925	-38.49	≤ -26.32	PASS
				5925~5935	-38.81	≤ -27	PASS

Test Graphs B4

11A_Ant1_Low_5745



11A_Ant1_High_5825



11N20SISO_Ant1_Low_5745



11N20SISO_Ant1_High_5825



11N40SISO_Ant1_Low_5755



11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



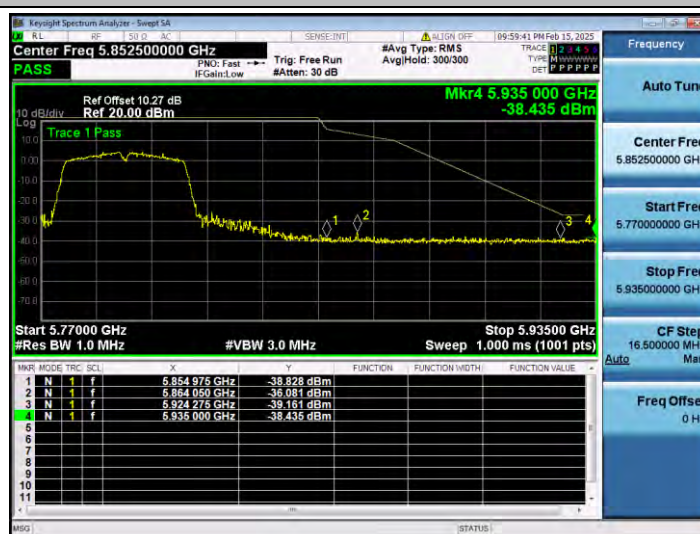
11AC20SISO_Ant1_High_5825



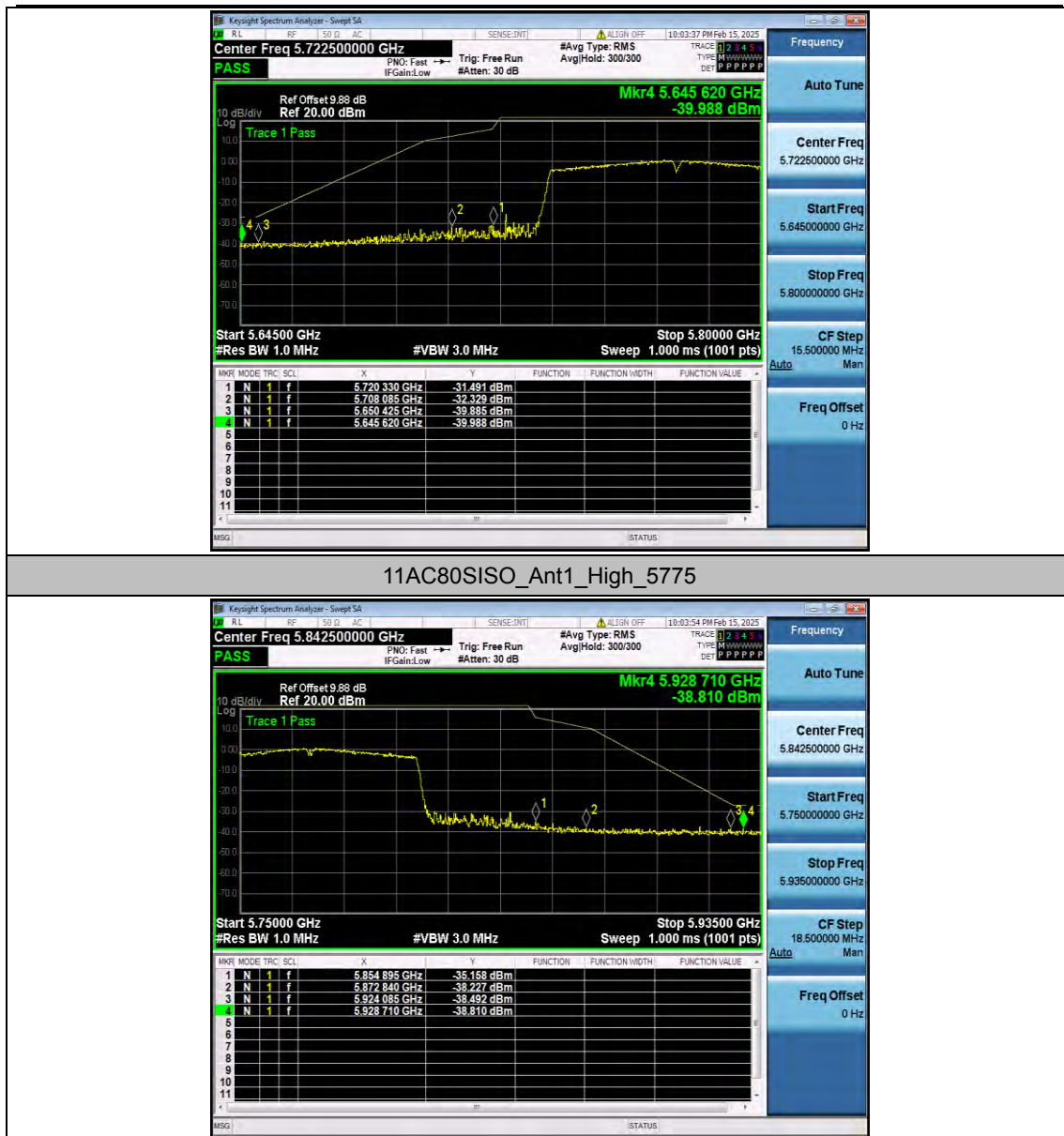
11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



Appendix G.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5589.49	-40.58	≤-27	PASS
			5925~27000	24852.46	-31.98	≤-27	PASS
		5785	30~5650	2544.2	-40.7	≤-27	PASS
			5925~27000	26053.03	-30.76	≤-27	PASS
		5825	30~5650	5426.51	-40.37	≤-27	PASS
			5925~27000	24919.2	-31.62	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5354.2	-40.33	≤-27	PASS
			5925~27000	24225.13	-31.55	≤-27	PASS
		5785	30~5650	5496.57	-40	≤-27	PASS
			5925~27000	23552.13	-31.24	≤-27	PASS
		5825	30~5650	5445.99	-40.11	≤-27	PASS
			5925~27000	25033.7	-31.74	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5450.12	-40.22	≤-27	PASS
			5925~27000	26823.67	-31.75	≤-27	PASS
		5795	30~5650	5055.03	-39.85	≤-27	PASS
			5925~27000	23516.3	-31.57	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	4889.99	-39.95	≤-27	PASS
			5925~27000	24376.16	-31.97	≤-27	PASS
		5785	30~5650	5471.85	-39.73	≤-27	PASS
			5925~27000	25218.46	-31.14	≤-27	PASS
		5825	30~5650	5497.51	-39.64	≤-27	PASS
			5925~27000	24190.7	-31.38	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5461.54	-40.03	≤-27	PASS
			5925~27000	24185.08	-32.19	≤-27	PASS
		5795	30~5650	5548.47	-40.37	≤-27	PASS
			5925~27000	25553.55	-31.59	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5409.84	-40.28	≤-27	PASS
			5925~27000	23575.31	-32.18	≤-27	PASS

Test Graphs

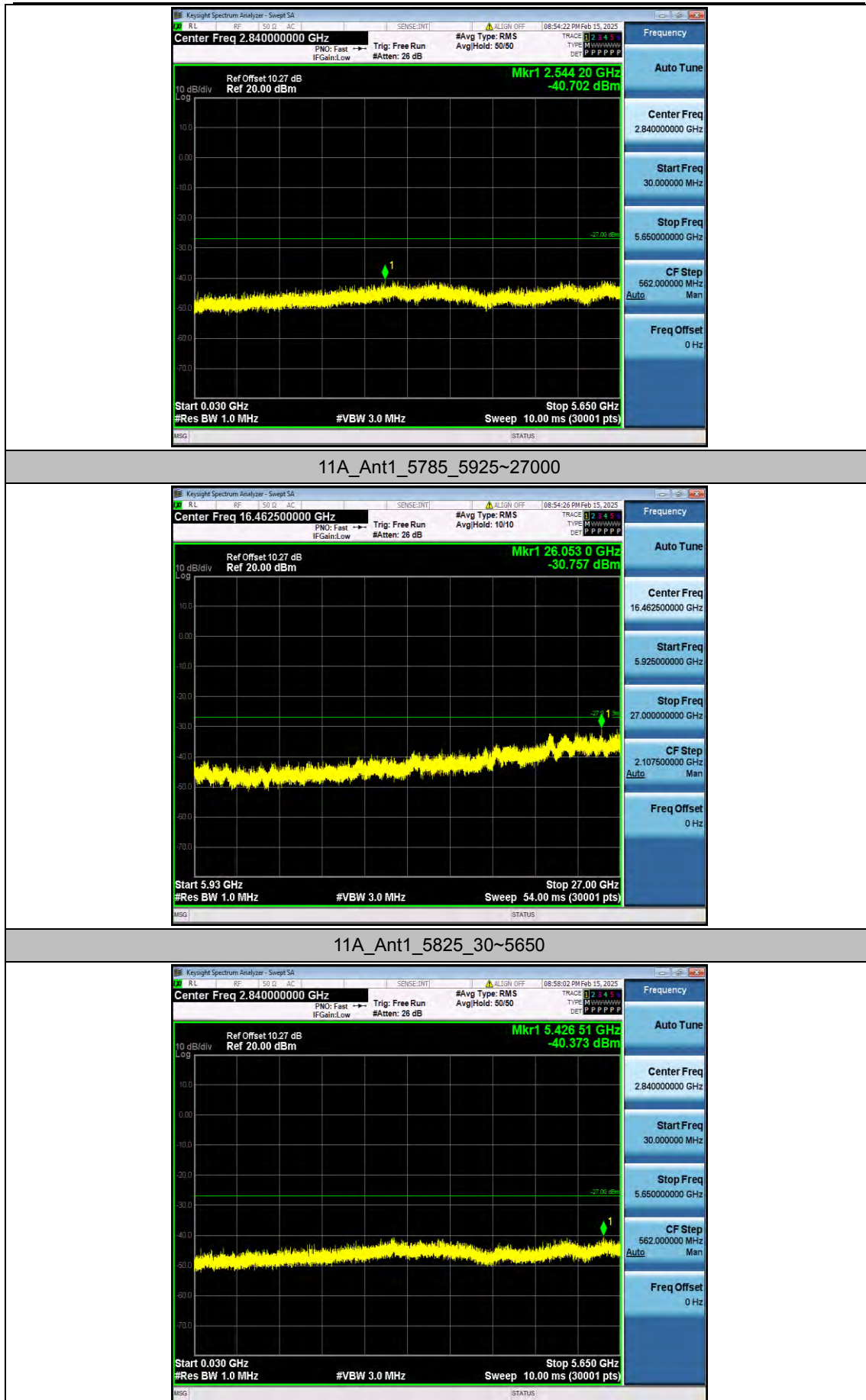
11A_Ant1_5745_30~5650

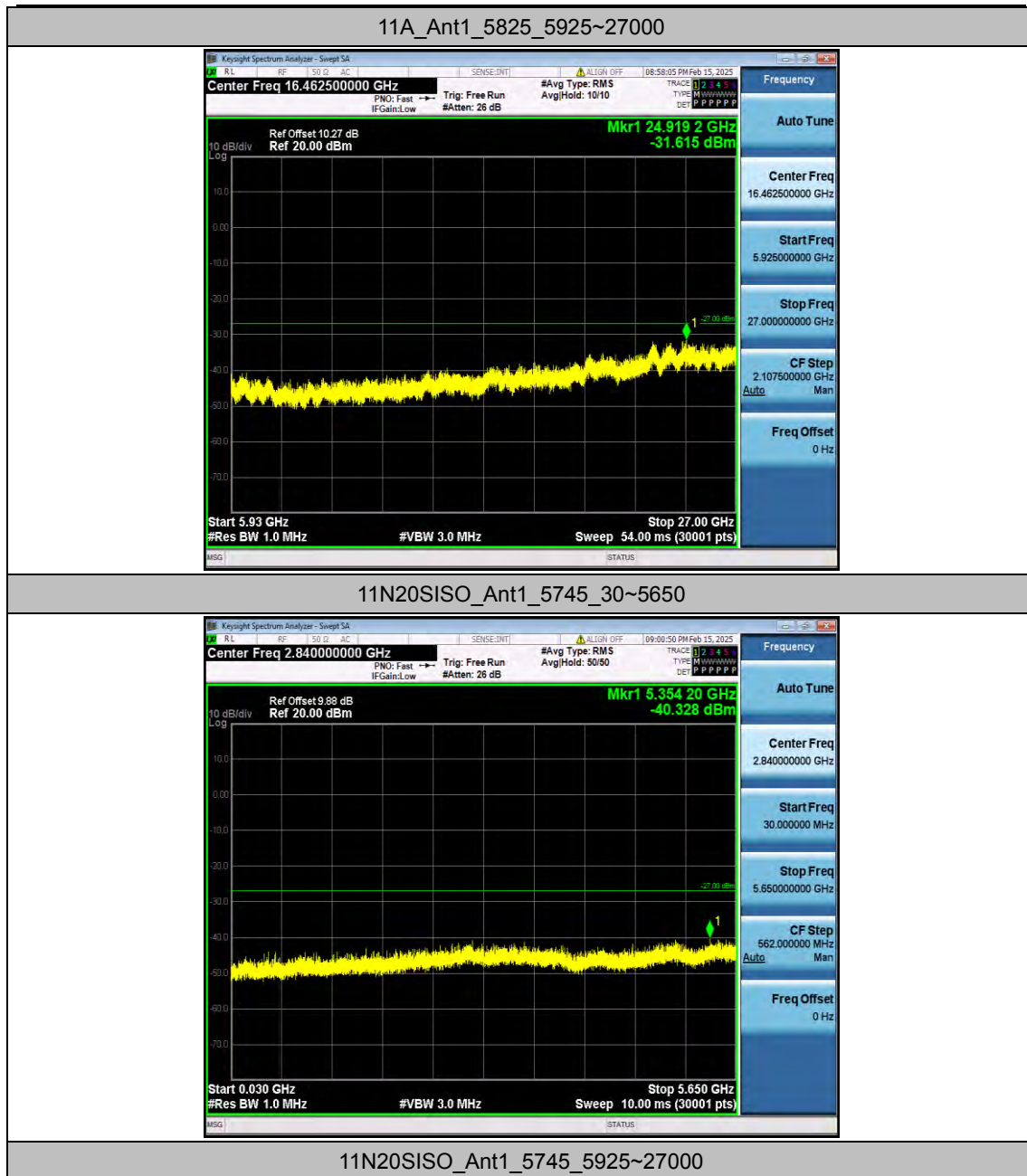


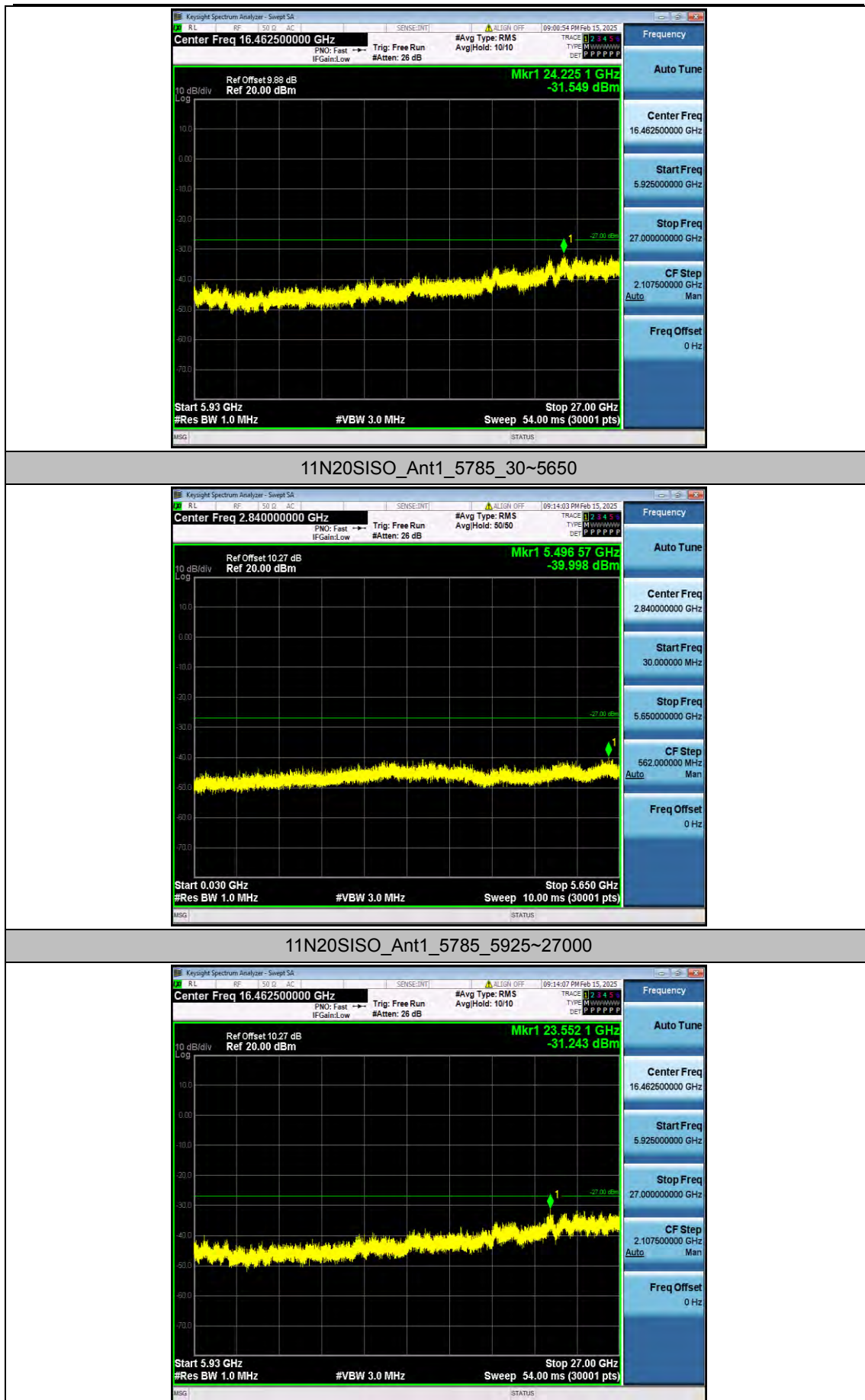
11A_Ant1_5745_5925~27000



11A_Ant1_5785_30~5650







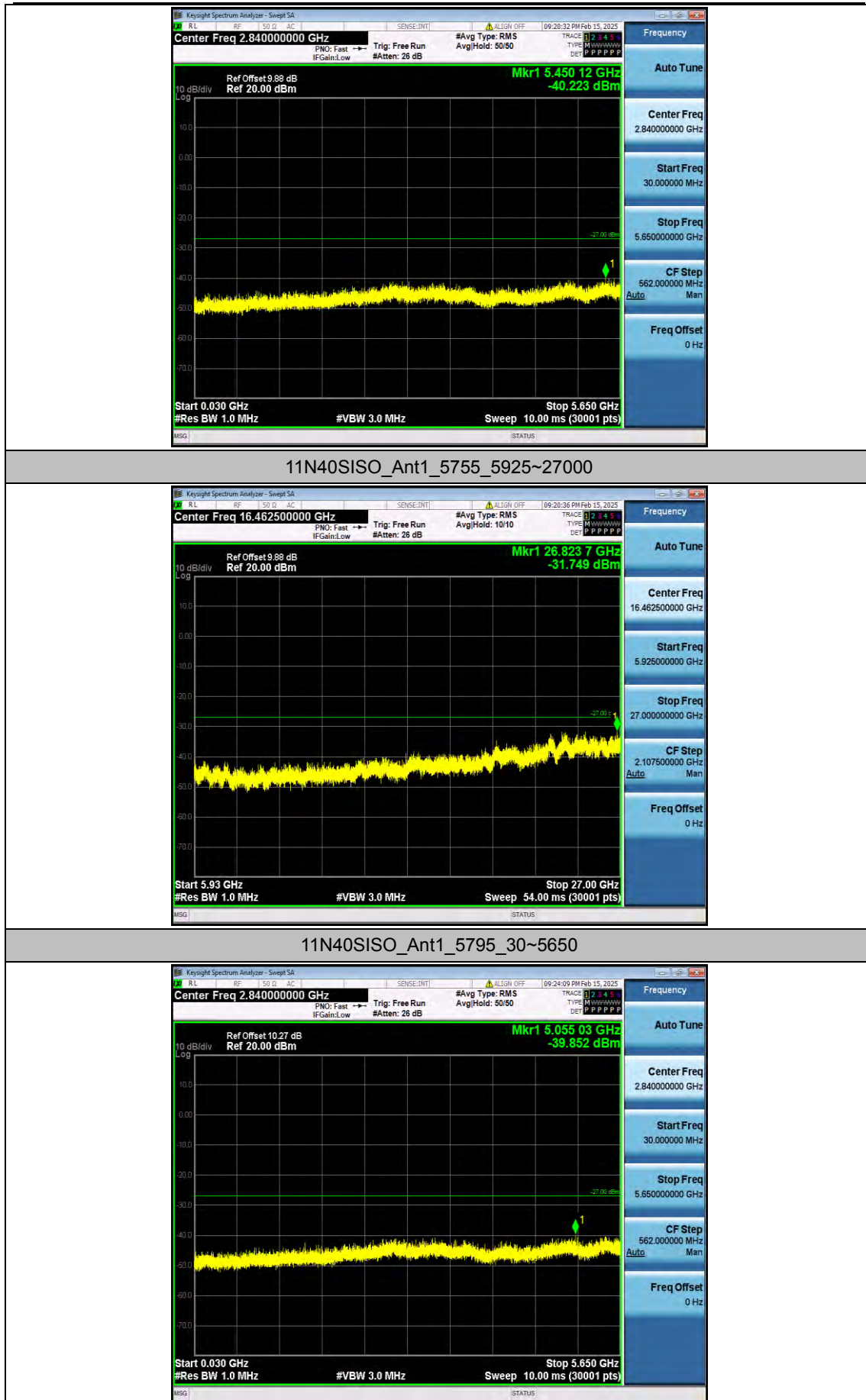
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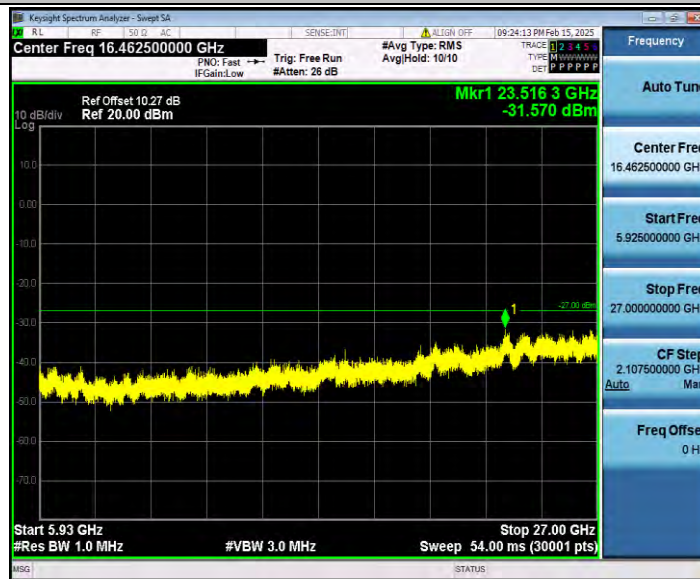
11N20SISO_Ant1_5825_5925~27000



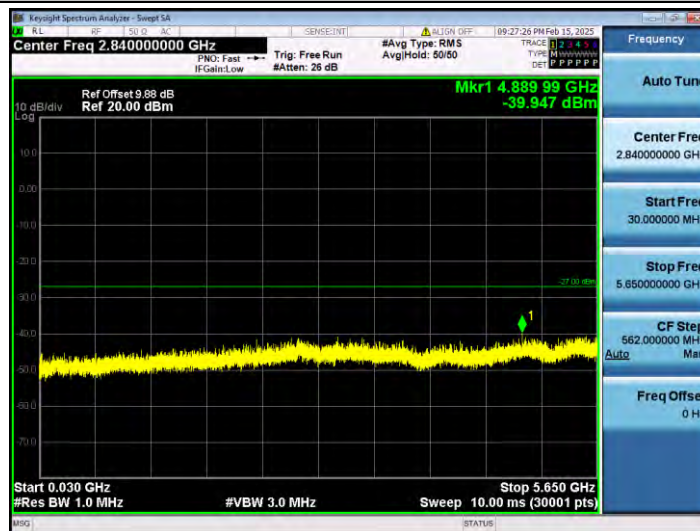
11N40SISO_Ant1_5755_30~5650



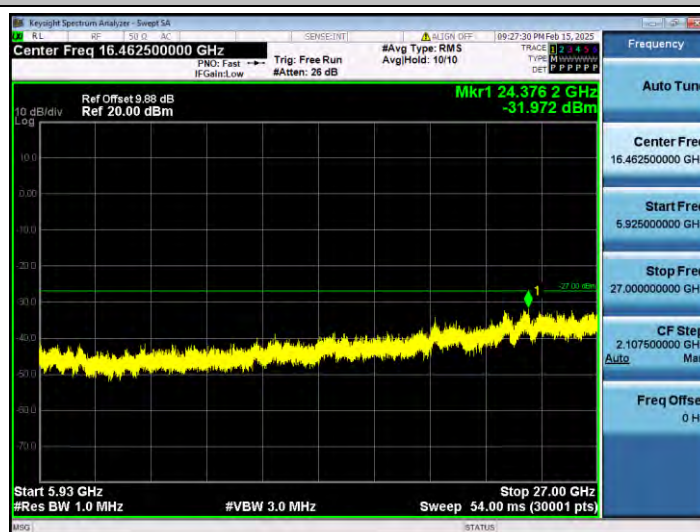
11N40SISO_Ant1_5795_5925~27000



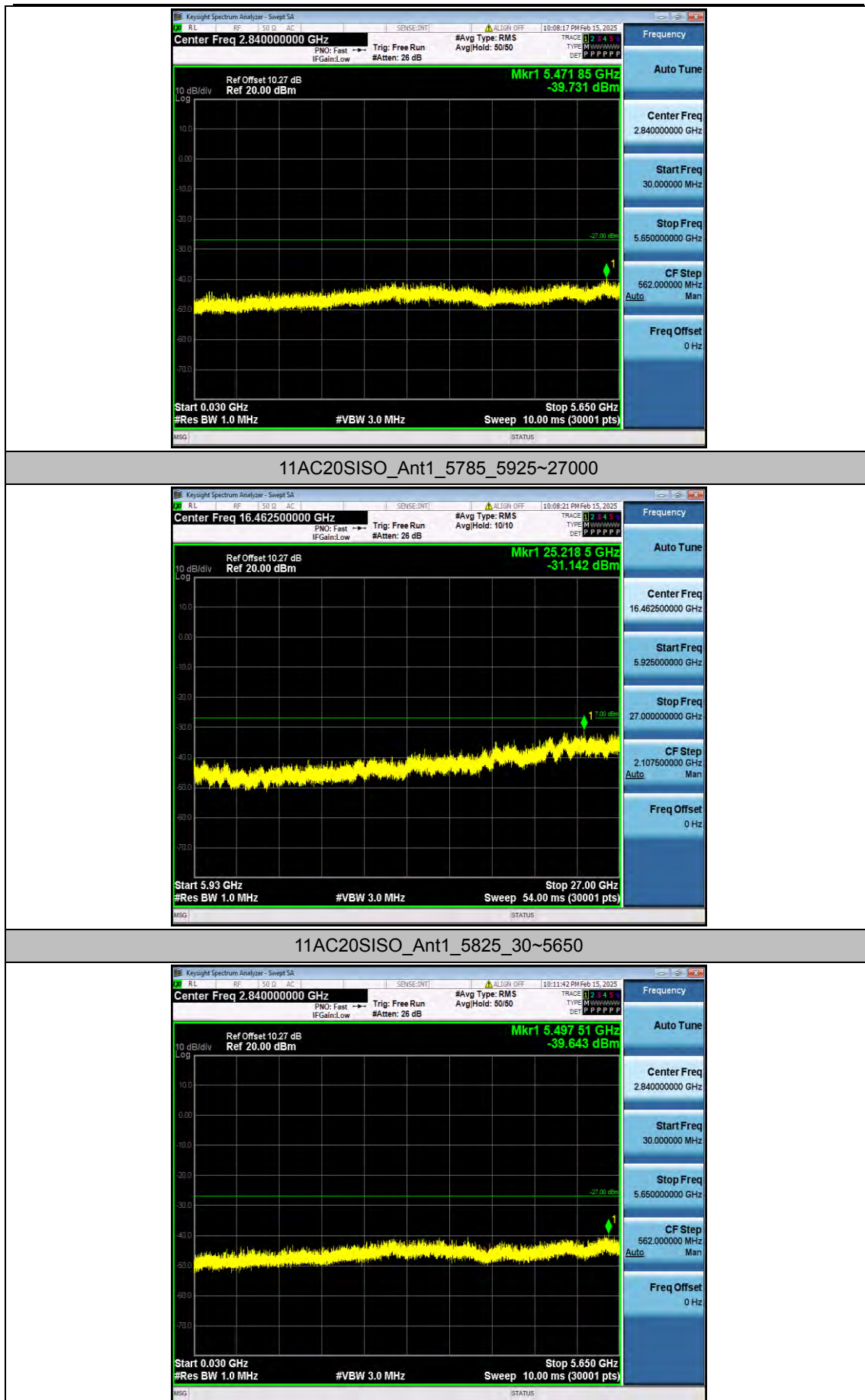
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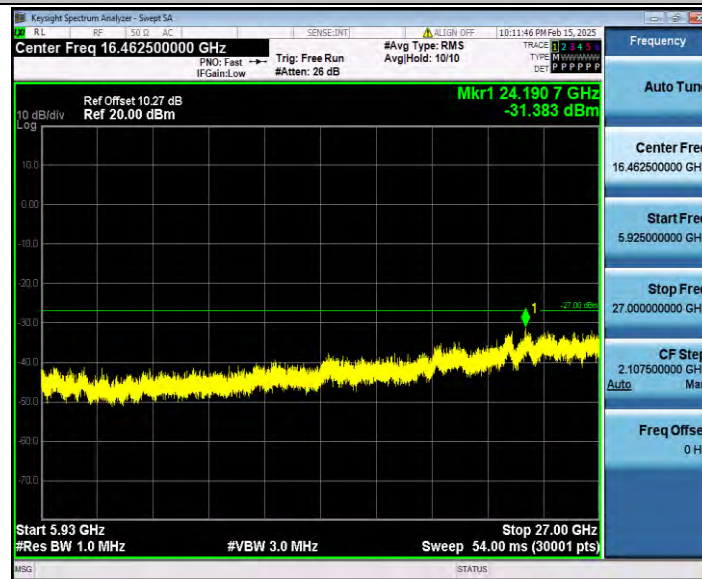
11AC20SISO_Ant1_5745_5925~27000



11AC20SISO_Ant1_5785_30~5650



11AC20SISO_Ant1_5825_5925~27000



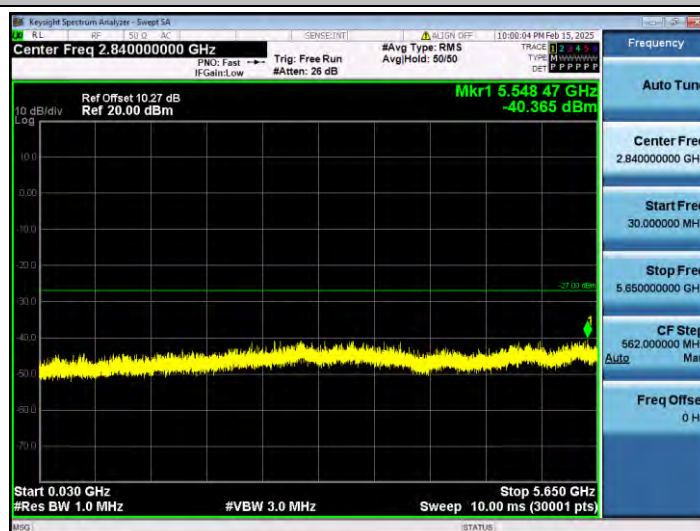
11AC40SISO_Ant1_5755_30~5650



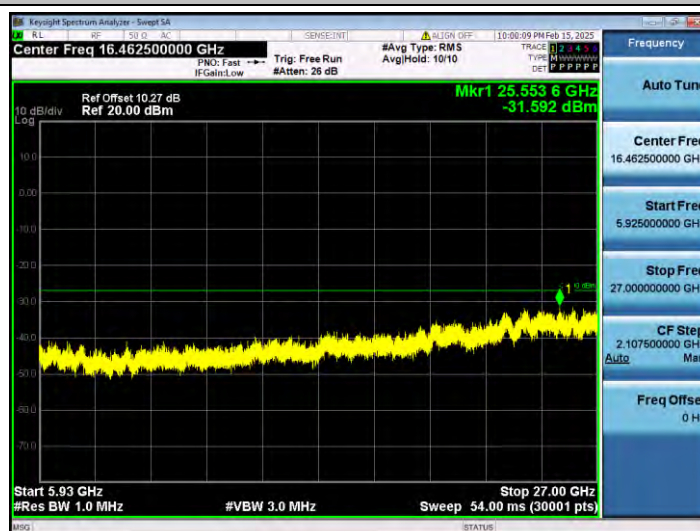
11AC40SISO_Ant1_5755_5925~27000



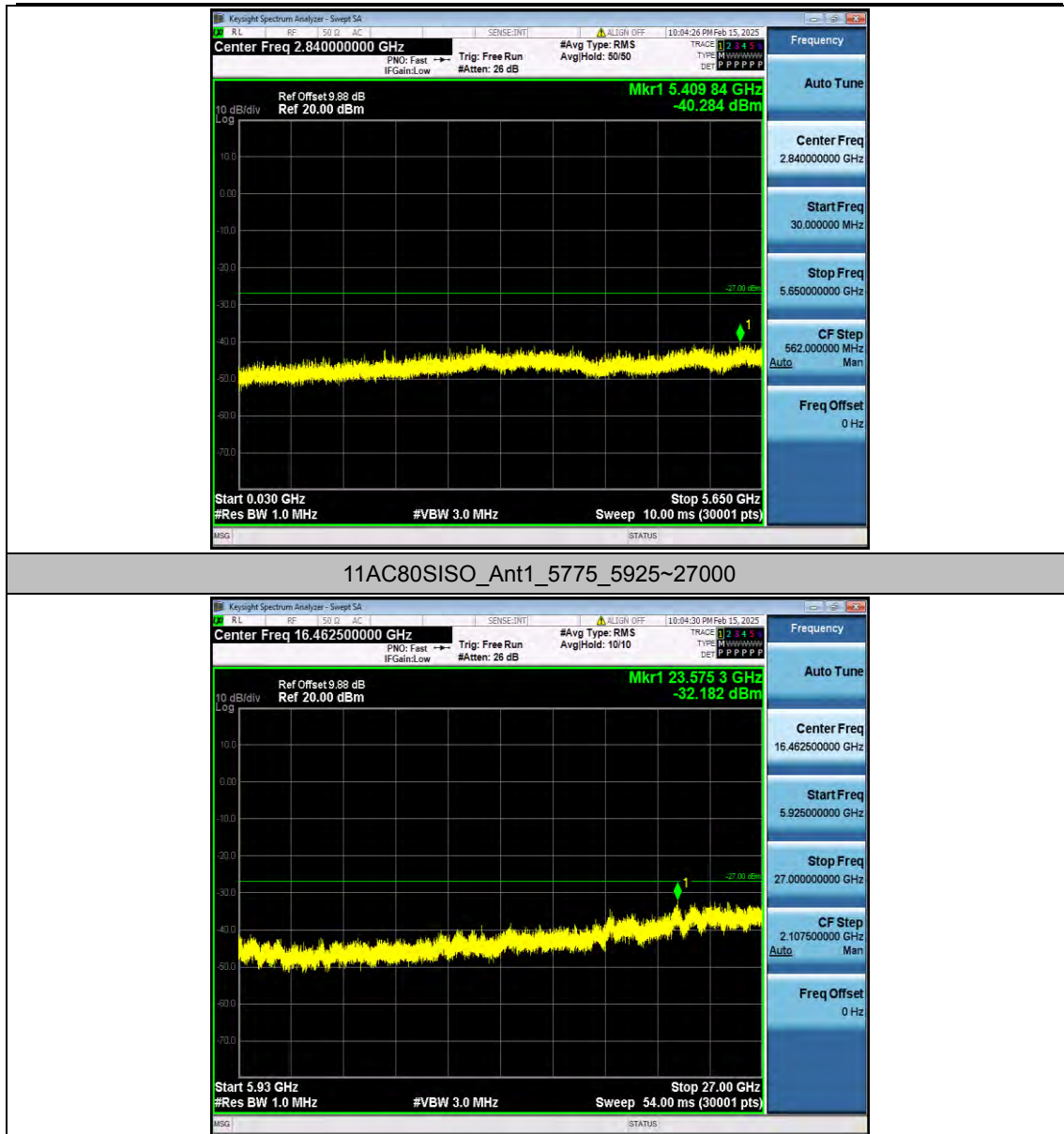
11AC40SISO_Ant1_5795_30~5650



11AC40SISO_Ant1_5795_5925~27000



11AC80SISO_Ant1_5775_30~5650



Appendix G.8: Emissions in Restricted Bands

Test Result

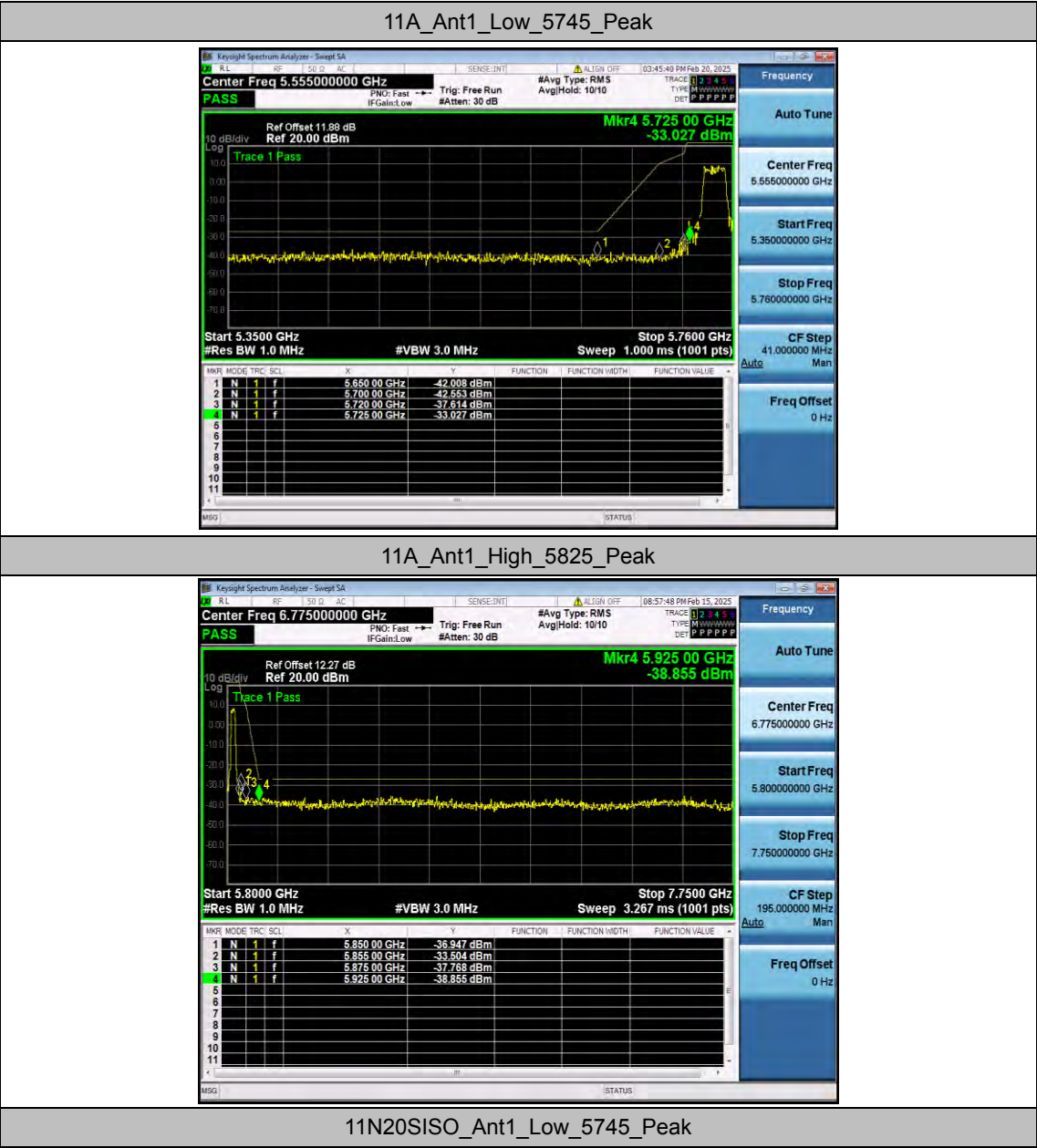
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	Peak	5650.000	-42.008	≤-27.00	PASS
				Peak	5700.000	-42.6	≤10.00	PASS
				Peak	5720.000	-37.61	≤15.60	PASS
				Peak	5725.000	-33.03	≤27.00	PASS
		High	5825	Peak	5850.000	-36.947	≤27.00	PASS
				Peak	5855.000	-33.5	≤15.60	PASS
				Peak	5875.000	-37.77	≤10.00	PASS
				Peak	5925.000	-38.86	≤-27.00	PASS
11N20SISO	Ant1	Low	5745	Peak	5650.000	-42.431	≤-27.00	PASS
				Peak	5700.000	-41.61	≤10.00	PASS
				Peak	5720.000	-32.65	≤15.60	PASS
				Peak	5725.000	-21.57	≤27.00	PASS
		High	5825	Peak	5850.000	-33.741	≤27.00	PASS
				Peak	5855.000	-36.56	≤15.60	PASS
				Peak	5875.000	-39.56	≤10.00	PASS
				Peak	5925.000	-37.55	≤-27.00	PASS
11N40SISO	Ant1	Low	5755	Peak	5650.000	-41.246	≤-27.00	PASS
				Peak	5700.000	-40.93	≤10.00	PASS
				Peak	5720.000	-38.13	≤15.60	PASS
				Peak	5725.000	-32.72	≤27.00	PASS
		High	5795	Peak	5850.000	-37.841	≤27.00	PASS
				Peak	5855.000	-38.45	≤15.60	PASS
				Peak	5875.000	-36.15	≤10.00	PASS
				Peak	5925.000	-37.05	≤-27.00	PASS
11AC20SISO	Ant1	Low	5745	Peak	5650.000	-43.225	≤-27.00	PASS
				Peak	5700.000	-37.54	≤10.00	PASS
				Peak	5720.000	-37.3	≤15.60	PASS
				Peak	5725.000	-30.74	≤27.00	PASS
		High	5825	Peak	5850.000	-37.766	≤27.00	PASS
				Peak	5855.000	-35.4	≤15.60	PASS
				Peak	5875.000	-36.17	≤10.00	PASS
				Peak	5925.000	-37.13	≤-27.00	PASS
11AC40SISO	Ant1	Low	5755	Peak	5650.000	-42.53	≤-27.00	PASS
				Peak	5700.000	-40.96	≤10.00	PASS
				Peak	5720.000	-35.91	≤15.60	PASS
				Peak	5725.000	-36.19	≤27.00	PASS

11AC80SI SO	Ant1	High	5795	Peak	5850.000	-37.488	≤27.00	PASS
				Peak	5855.000	-37.02	≤15.60	PASS
				Peak	5875.000	-39.35	≤10.00	PASS
				Peak	5925.000	-38.24	≤-27.00	PASS
		Low	5775	Peak	5650.000	-39.827	≤-27.00	PASS
				Peak	5700.000	-38.57	≤10.00	PASS
				Peak	5720.000	-38.55	≤15.60	PASS
				Peak	5725.000	-39.98	≤27.00	PASS
		High	5775	Peak	5850.000	-36.243	≤27.00	PASS
				Peak	5855.000	-37.82	≤15.60	PASS
				Peak	5875.000	-40.59	≤10.00	PASS
				Peak	5925.000	-38.6	≤-27.00	PASS

Note:

1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs



11A_Ant1_High_5825_Peak

Frequency

Auto Tune

Center Freq

6.775000000 GHz

Start Freq

5.800000000 GHz

Stop Freq

7.750000000 GHz

CF Step

195.000000 MHz

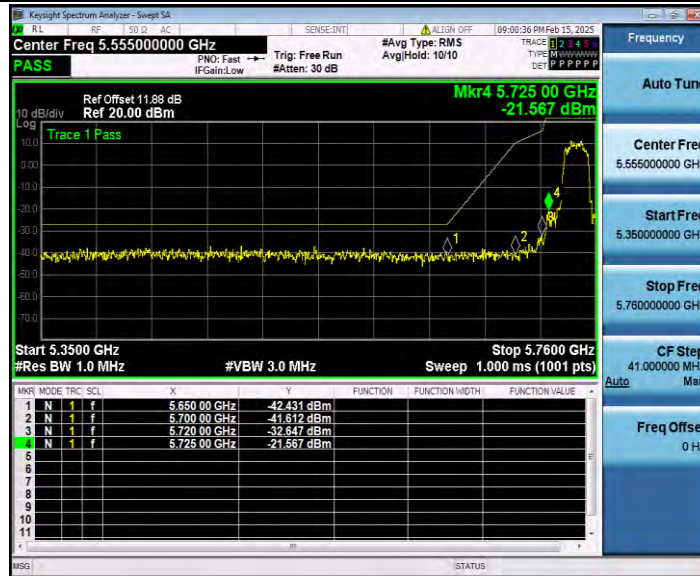
Man

Auto

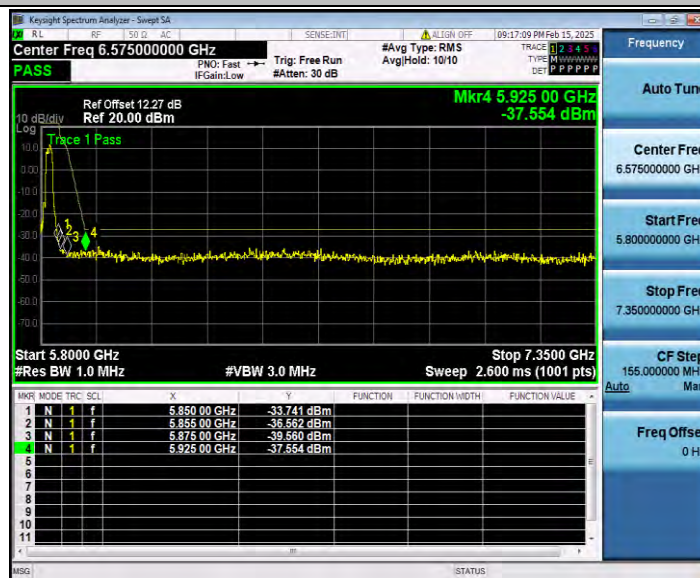
Freq Offset

0 Hz

11N20SISO_Ant1_Low_5745_Peak



11N20SISO_Ant1_High_5825_Peak



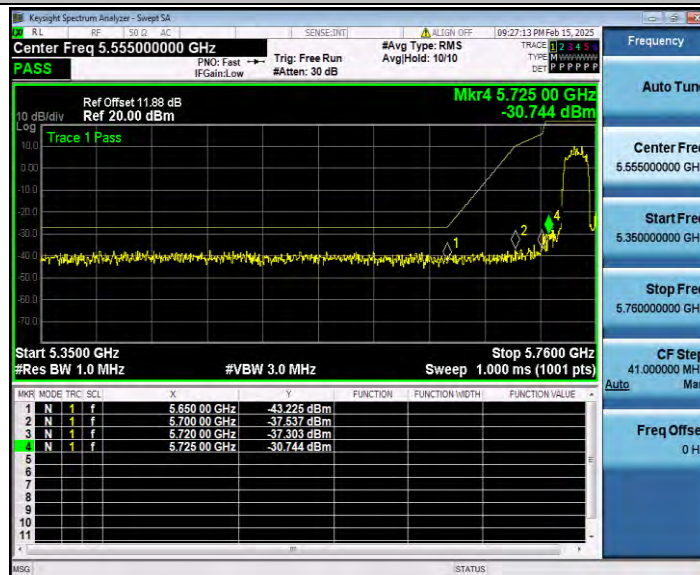
11N40SISO_Ant1_Low_5755_Peak



11N40SISO_Ant1_High_5795_Peak



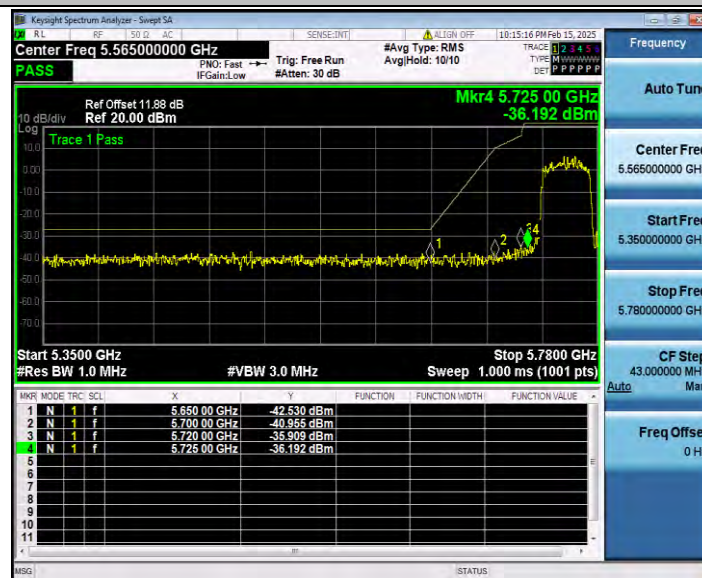
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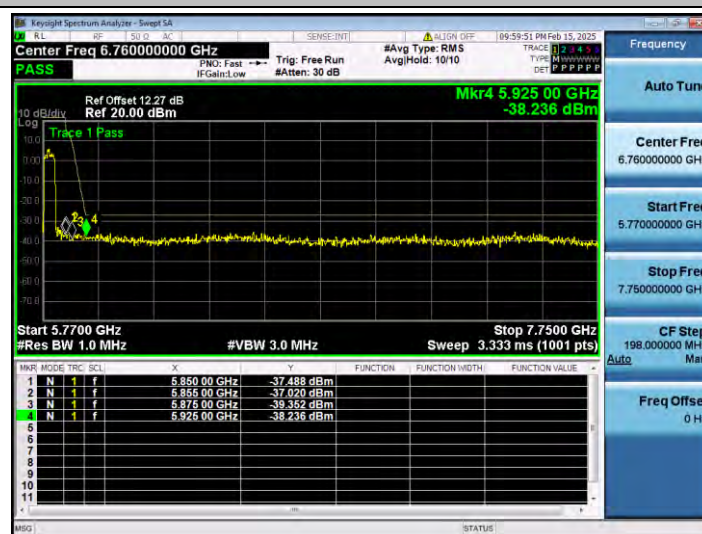
11AC20SISO_Ant1_High_5825_Peak



11AC40SISO_Ant1_Low_5755_Peak



11AC40SISO_Ant1_High_5795_Peak



11AC80SISO_Ant1_Low_5775_Peak

