

Appendix D.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	11.57	95.79	0.19	11.76	≤23.98	PASS
		5200	12.41	95.33	0.21	12.62	≤23.98	PASS
		5240	12.74	95.79	0.19	12.93	≤23.98	PASS
11N20SIS O	Ant1	5180	11.51	95.50	0.20	11.71	≤23.98	PASS
		5200	12.24	95.50	0.20	12.44	≤23.98	PASS
		5240	12.66	95.98	0.18	12.84	≤23.98	PASS
11N40SIS O	Ant1	5190	12.40	94.95	0.23	12.63	≤23.98	PASS
		5230	13.13	95.92	0.18	13.31	≤23.98	PASS
11AC20SIS O	Ant1	5180	11.57	95.50	0.20	11.77	≤23.98	PASS
		5200	12.17	95.50	0.20	12.37	≤23.98	PASS
		5240	12.61	96.00	0.18	12.79	≤23.98	PASS
11AC40SIS O	Ant1	5190	12.38	94.95	0.23	12.61	≤23.98	PASS
		5230	13.13	95.96	0.18	13.31	≤23.98	PASS
11AC80SIS O	Ant1	5210	12.67	92.00	0.36	13.03	≤23.98	PASS

Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	1.06	≤11.00	PASS
		5200	1.81	≤11.00	PASS
		5240	2.23	≤11.00	PASS
11N20SISO	Ant1	5180	0.76	≤11.00	PASS
		5200	1.49	≤11.00	PASS
		5240	1.93	≤11.00	PASS
11N40SISO	Ant1	5190	-1.63	≤11.00	PASS
		5230	-0.96	≤11.00	PASS
11AC20SISO	Ant1	5180	0.78	≤11.00	PASS
		5200	1.43	≤11.00	PASS
		5240	1.96	≤11.00	PASS
11AC40SISO	Ant1	5190	-1.58	≤11.00	PASS
		5230	-0.96	≤11.00	PASS
11AC80SISO	Ant1	5210	-4.04	≤11.00	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

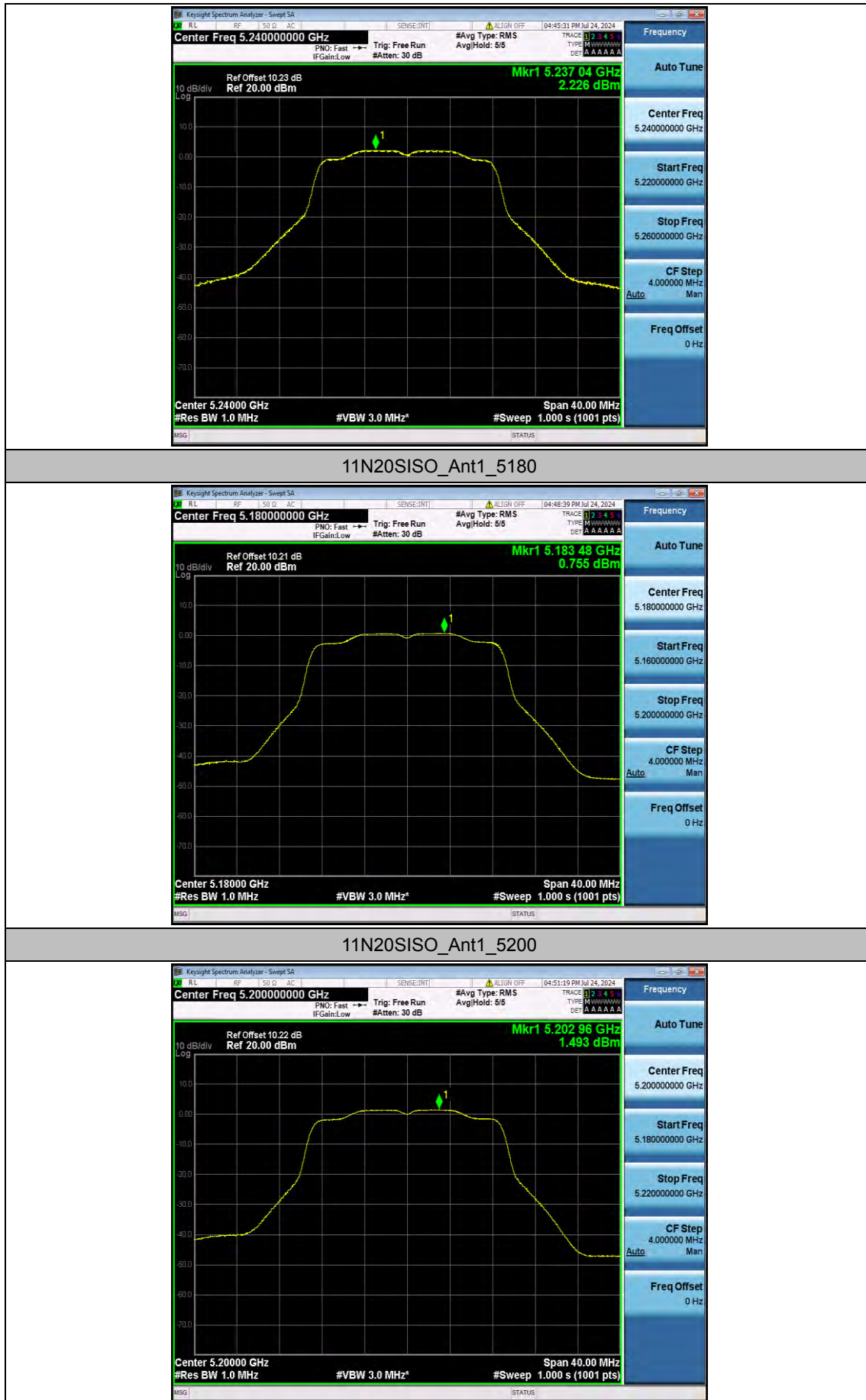
11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



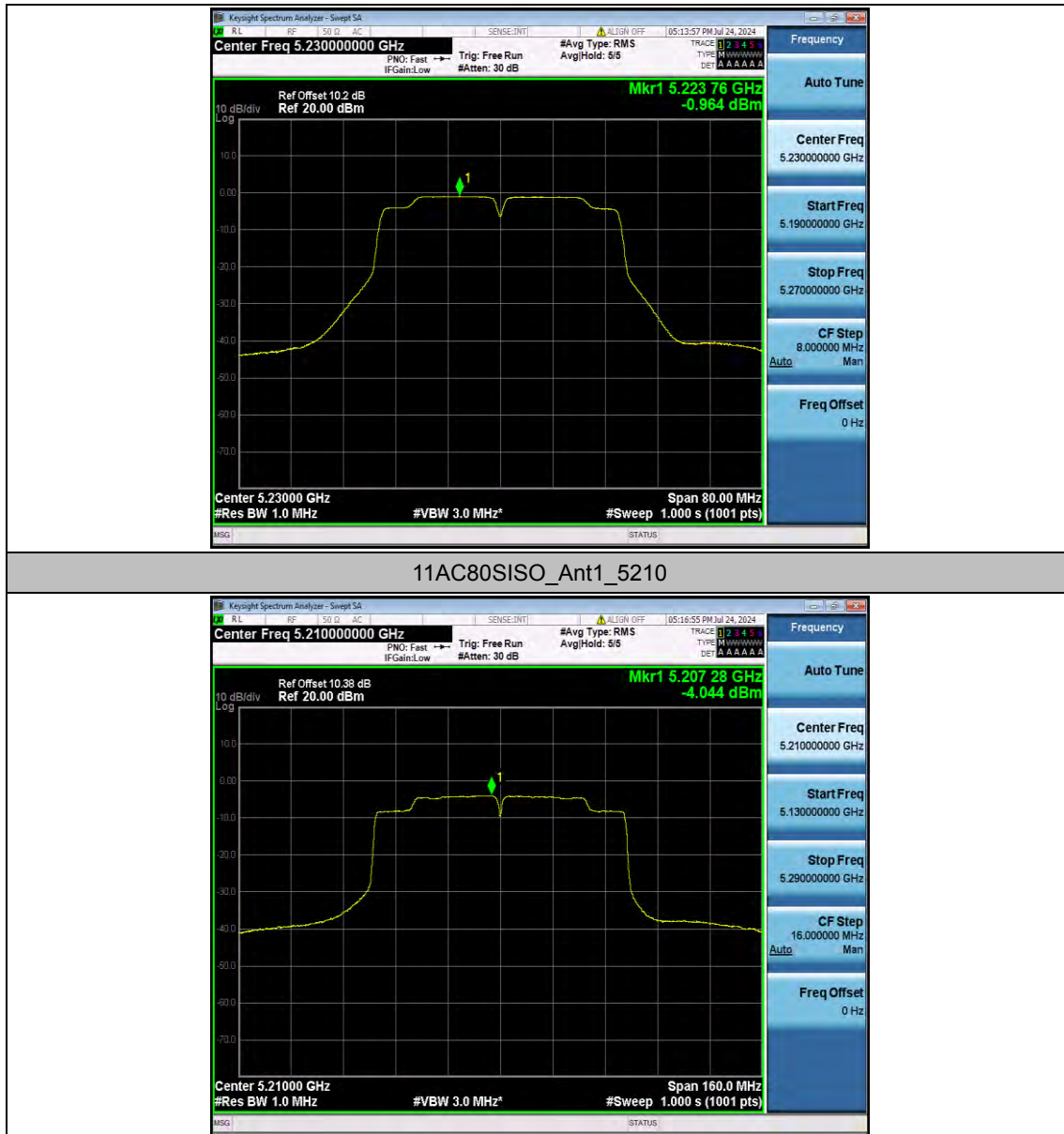
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



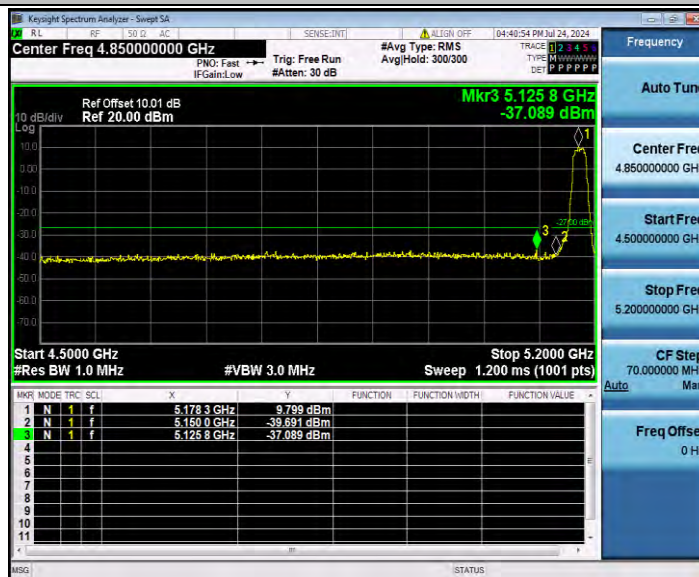
Appendix D.6: Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-37.09	≤ -27	PASS
		High	5240	-37.31	≤ -27	PASS
11N20SISO	Ant1	Low	5180	-37.61	≤ -27	PASS
		High	5240	-36.42	≤ -27	PASS
11N40SISO	Ant1	Low	5190	-31.42	≤ -27	PASS
		High	5230	-37.64	≤ -27	PASS
11AC20SISO	Ant1	Low	5180	-37.61	≤ -27	PASS
		High	5240	-37.66	≤ -27	PASS
11AC40SISO	Ant1	Low	5190	-31.7	≤ -27	PASS
		High	5230	-37.97	≤ -27	PASS
11AC80SISO	Ant1	Low	5210	-36.51	≤ -27	PASS
		High	5210	-35.24	≤ -27	PASS

Test Graphs B1

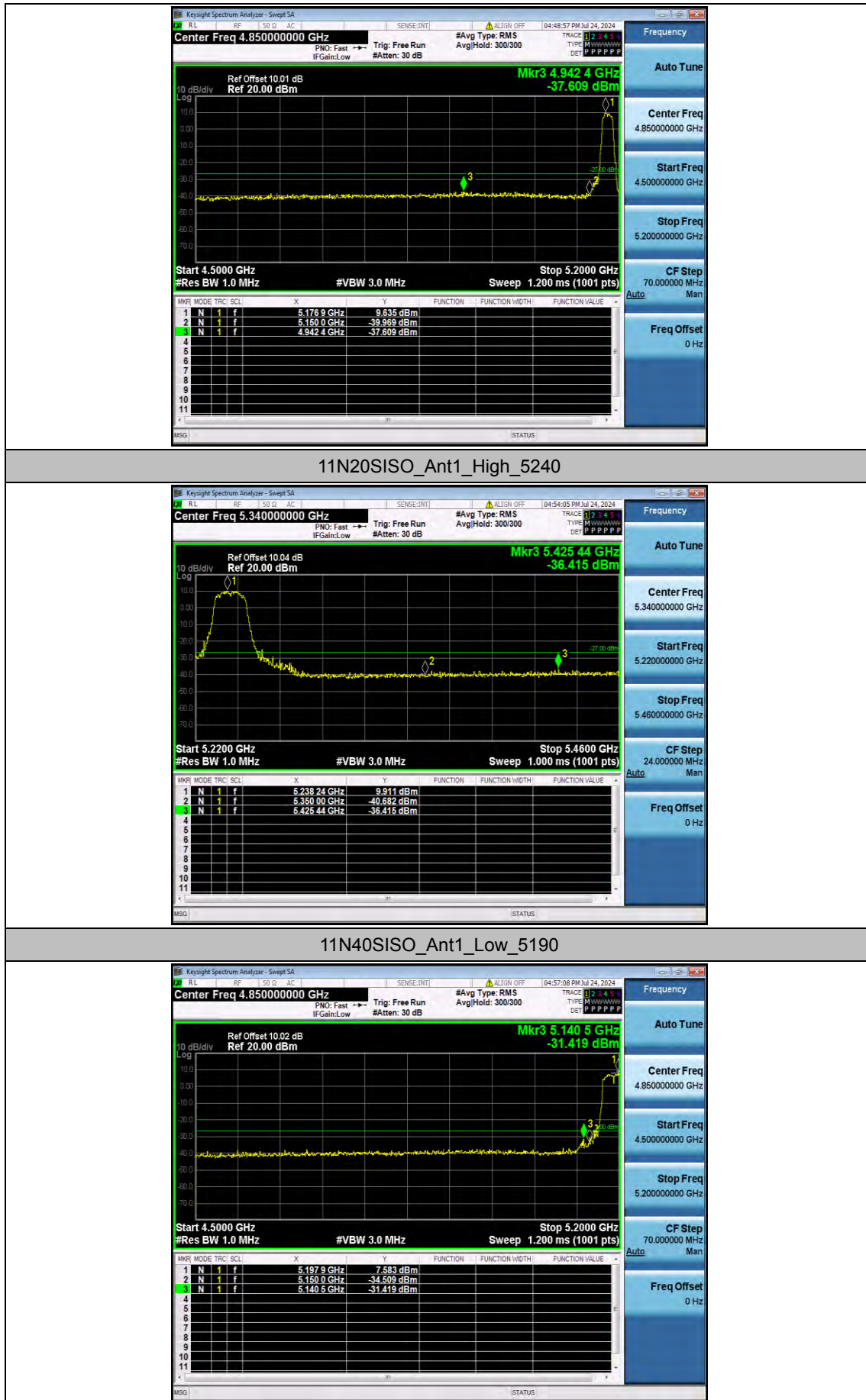
11A_Ant1_Low_5180



11A_Ant1_High_5240



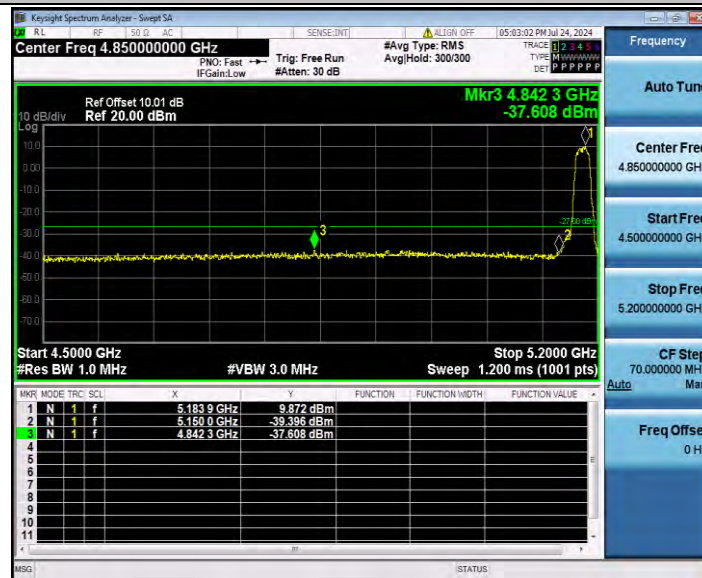
11N20SISO_Ant1_Low_5180



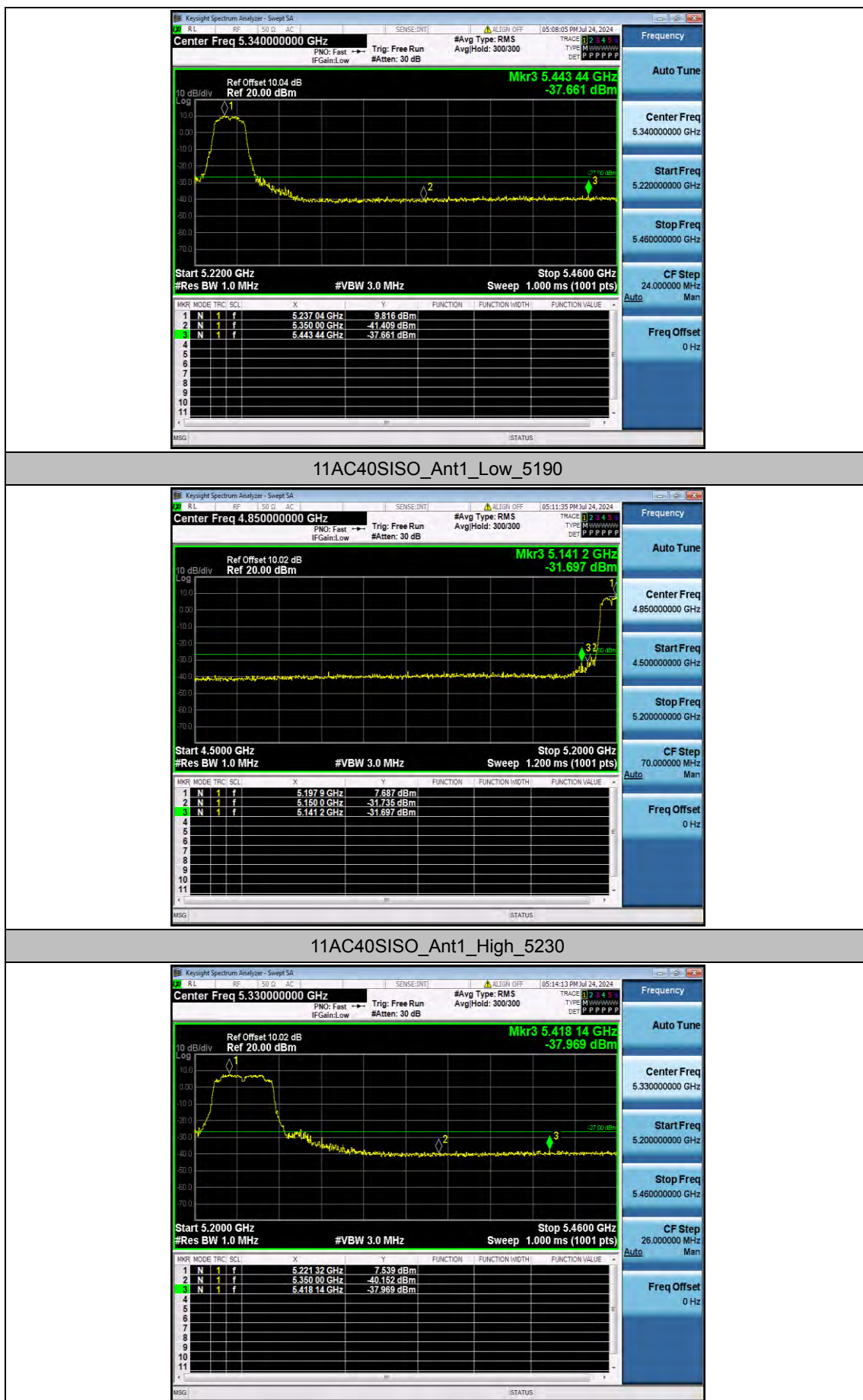
11N40SISO_Ant1_High_5230



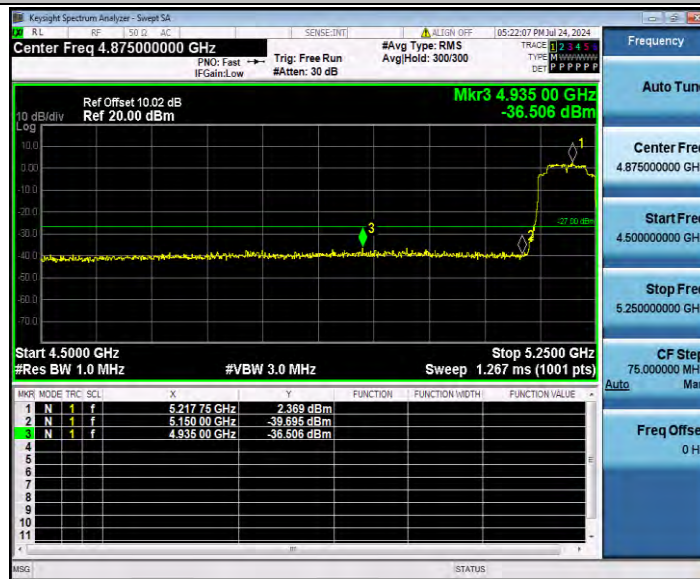
11AC20SISO_Ant1_Low_5180



11AC20SISO_Ant1_High_5240



11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210

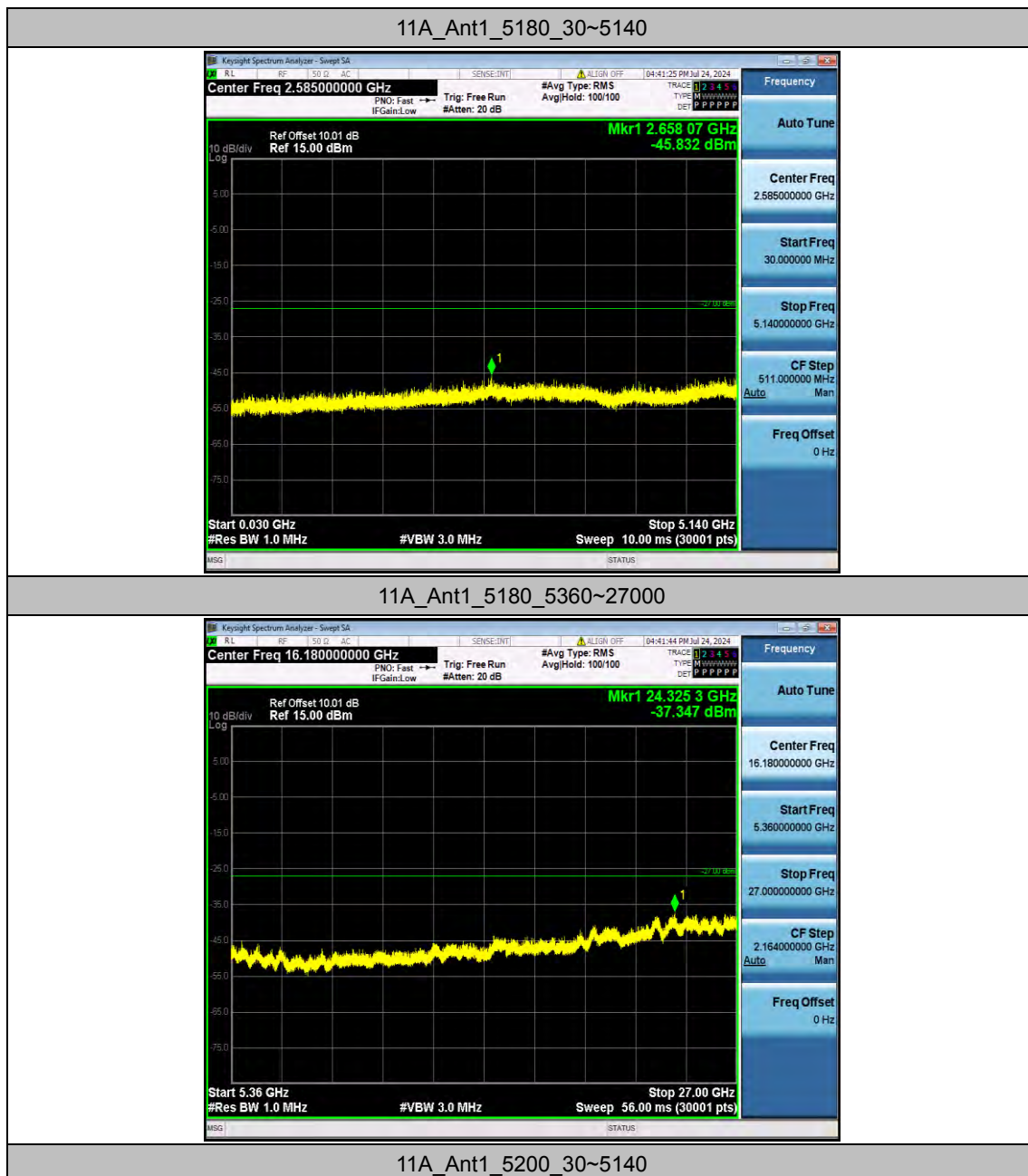


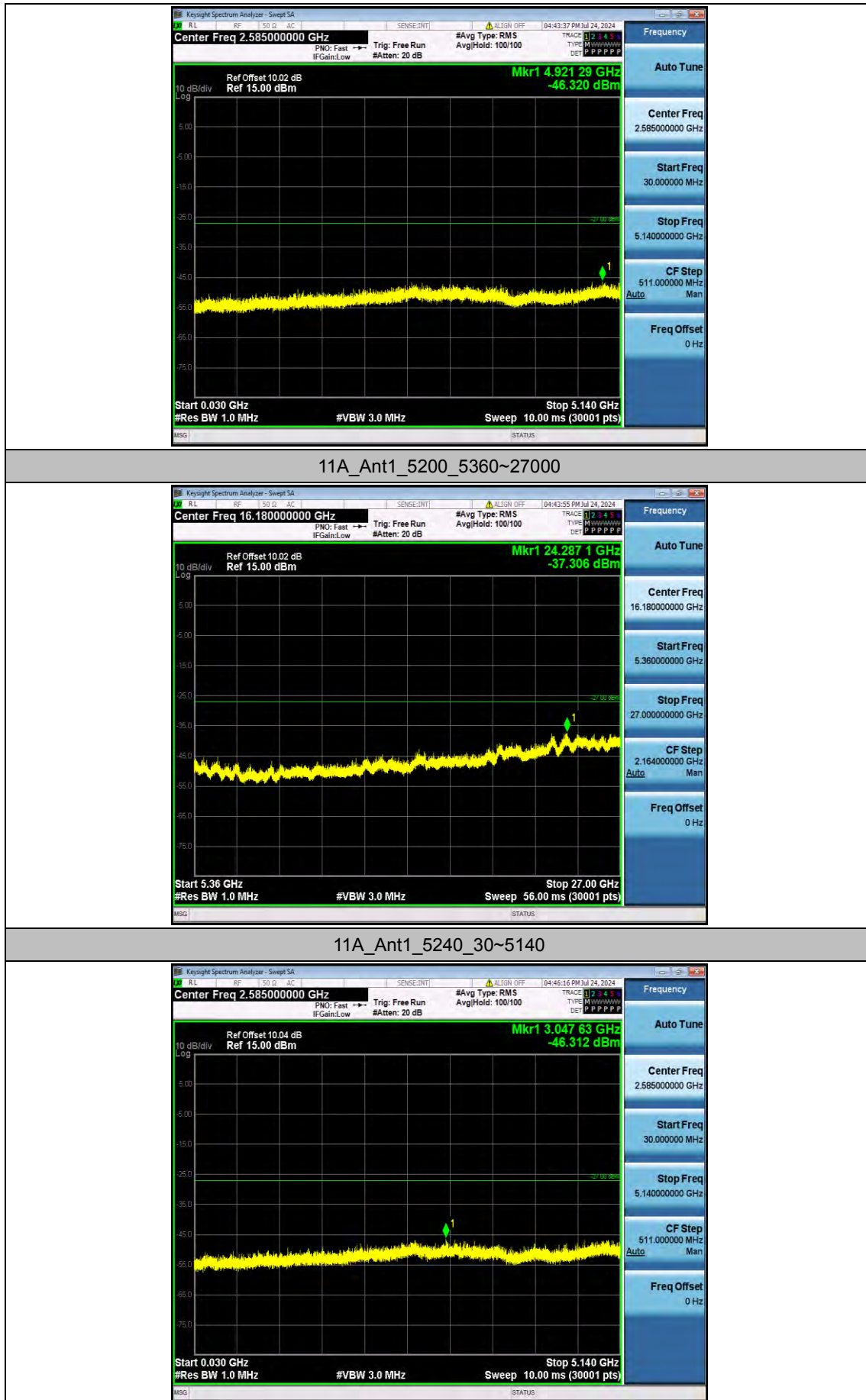
Appendix D.7: Conducted Spurious Emission

Test Result

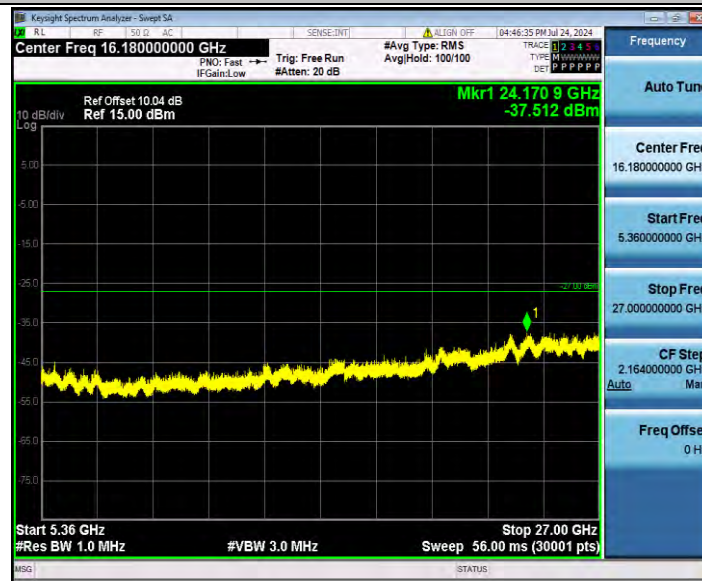
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	2658.07	-45.83	≤-27	PASS
			5360~27000	24325.3	-37.35	≤-27	PASS
		5200	30~5140	4921.29	-46.32	≤-27	PASS
			5360~27000	24287.07	-37.31	≤-27	PASS
		5240	30~5140	3047.63	-46.31	≤-27	PASS
			5360~27000	24170.93	-37.51	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	4968.3	-46.07	≤-27	PASS
			5360~27000	25062.5	-37.36	≤-27	PASS
		5200	30~5140	2661.31	-46.93	≤-27	PASS
			5360~27000	26066.59	-37.24	≤-27	PASS
		5240	30~5140	5119.56	-46.01	≤-27	PASS
			5360~27000	26859.34	-37	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5137.62	-33.82	≤-27	PASS
			5360~27000	24209.88	-36.76	≤-27	PASS
		5230	30~5140	5119.9	-43.39	≤-27	PASS
			5360~27000	26758.35	-36.69	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	5135.06	-45.46	≤-27	PASS
			5360~27000	23478.45	-37.28	≤-27	PASS
		5200	30~5140	5034.22	-46.31	≤-27	PASS
			5360~27000	25605.66	-36.92	≤-27	PASS
		5240	30~5140	905	-44.88	≤-27	PASS
			5360~27000	24810.75	-37.09	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	5138.64	-37.76	≤-27	PASS
			5360~27000	24759.54	-37.36	≤-27	PASS
		5230	30~5140	5137.96	-43.52	≤-27	PASS
			5360~27000	26050	-36.73	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5134.21	-28.17	≤-27	PASS
			5360~27000	5365.05	-36.86	≤-27	PASS

Test Graphs

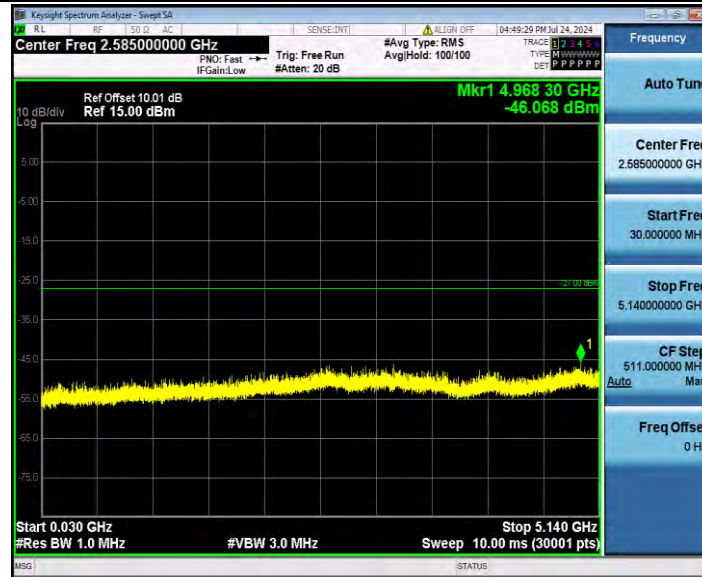




11A_Ant1_5240_5360~27000



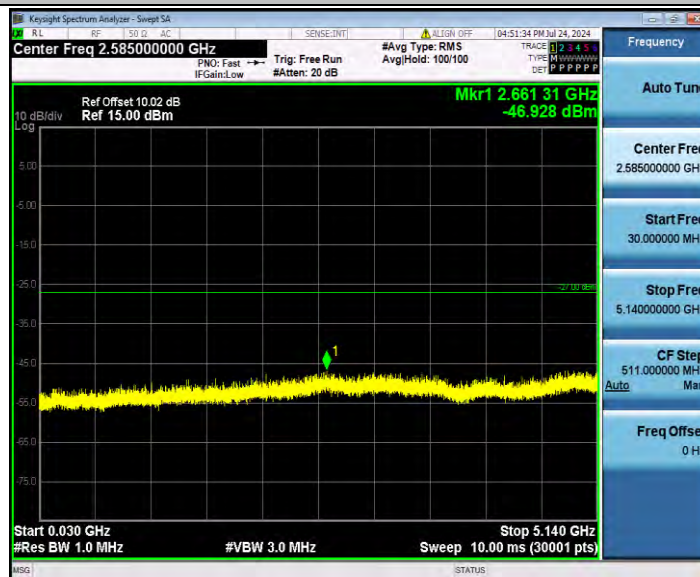
11N20SISO_Ant1_5180_30~5140



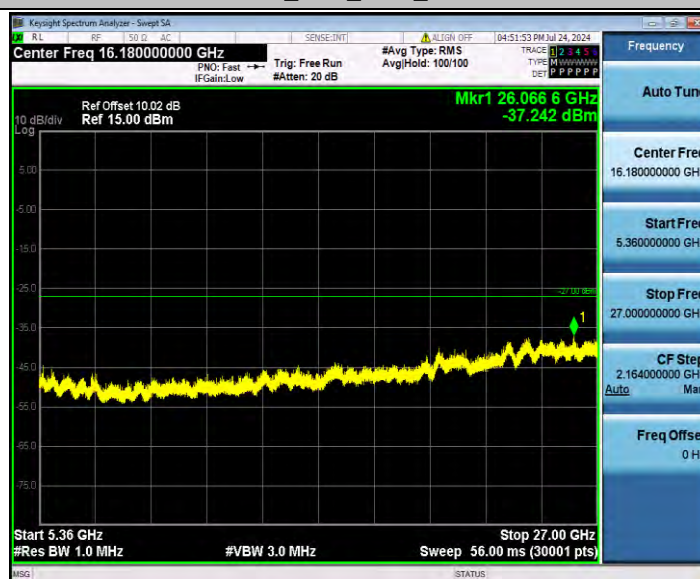
11N20SISO_Ant1_5180_5360~27000



11N20SISO_Ant1_5200_30~5140



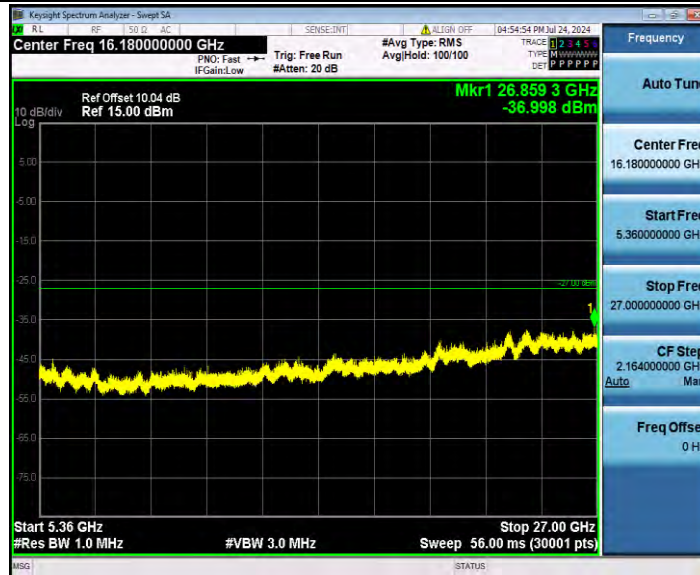
11N20SISO_Ant1_5200_5360~27000



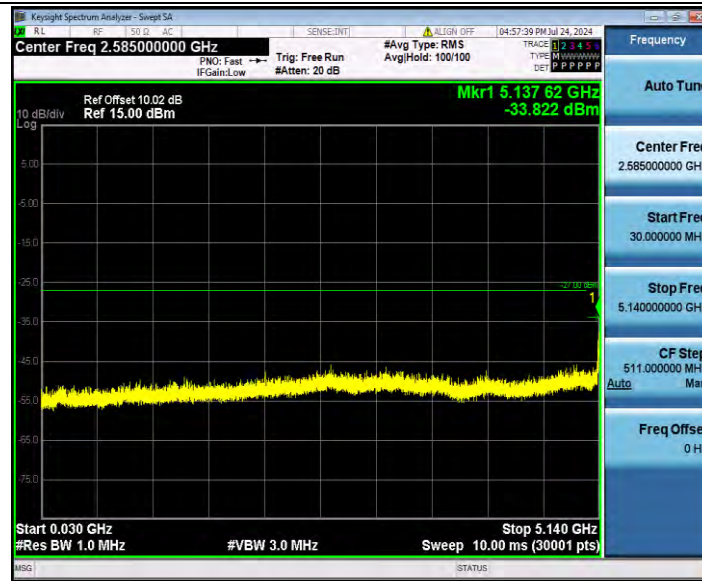
11N20SISO_Ant1_5240_30~5140



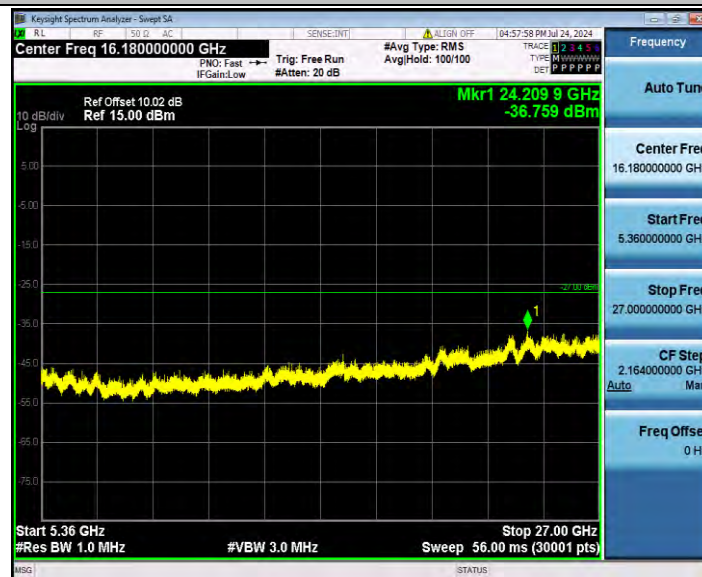
11N20SISO_Ant1_5240_5360~27000



11N40SISO_Ant1_5190_30~5140



11N40SISO_Ant1_5190_5360~27000



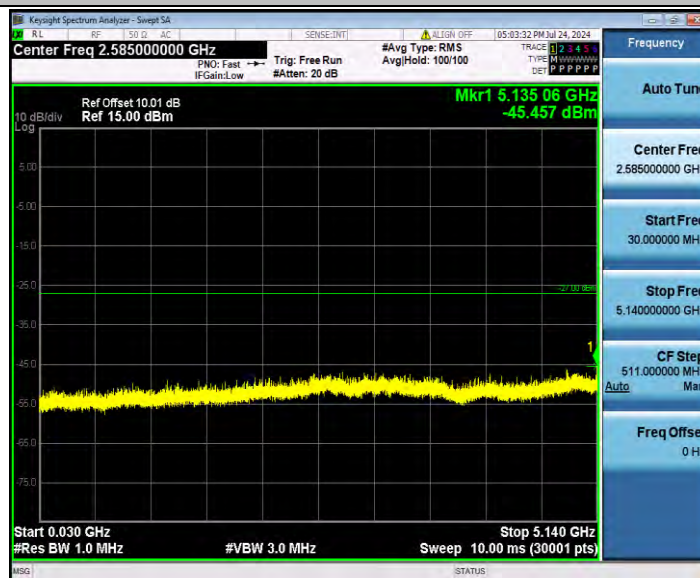
11N40SISO_Ant1_5230_30~5140



11N40SISO_Ant1_5230_5360~27000



11AC20SISO_Ant1_5180_30~5140



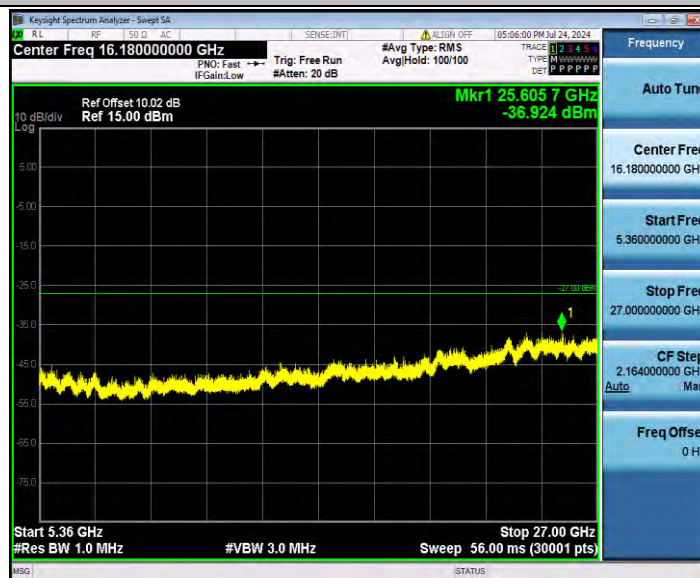
11AC20SISO_Ant1_5180_5360~27000



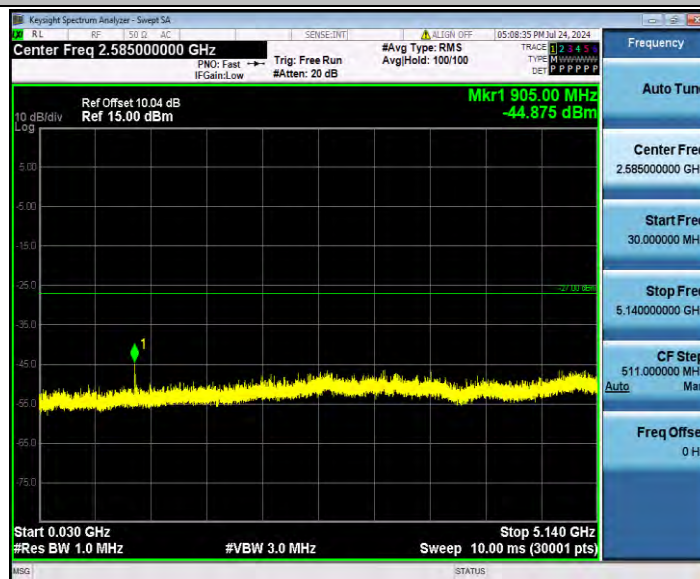
11AC20SISO_Ant1_5200_30~5140



11AC20SISO_Ant1_5200_5360~27000



11AC20SISO_Ant1_5240_30~5140



11AC20SISO_Ant1_5240_5360~27000



11AC40SISO_Ant1_5190_30~5140



11AC40SISO_Ant1_5190_5360~27000



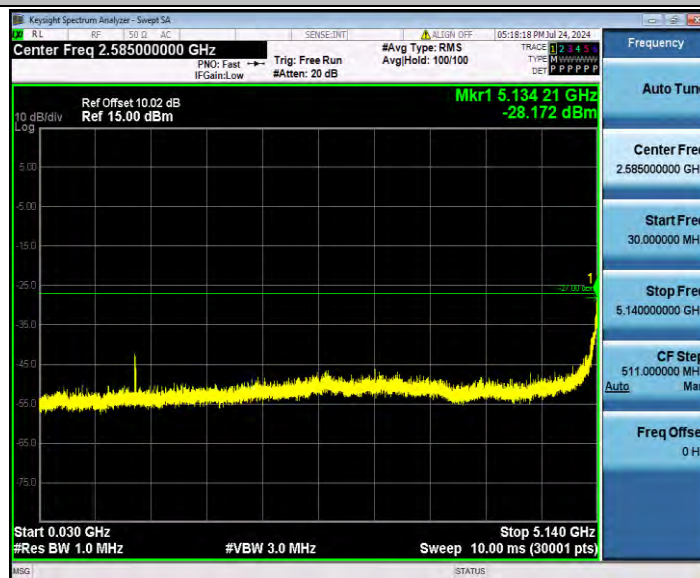
11AC40SISO_Ant1_5230_30~5140



11AC40SISO_Ant1_5230_5360~27000



11AC80SISO_Ant1_5210_30~5140



11AC80SISO_Ant1_5210_5360~27000



Appendix D.8: Emissions in Restricted Bands

Test Result

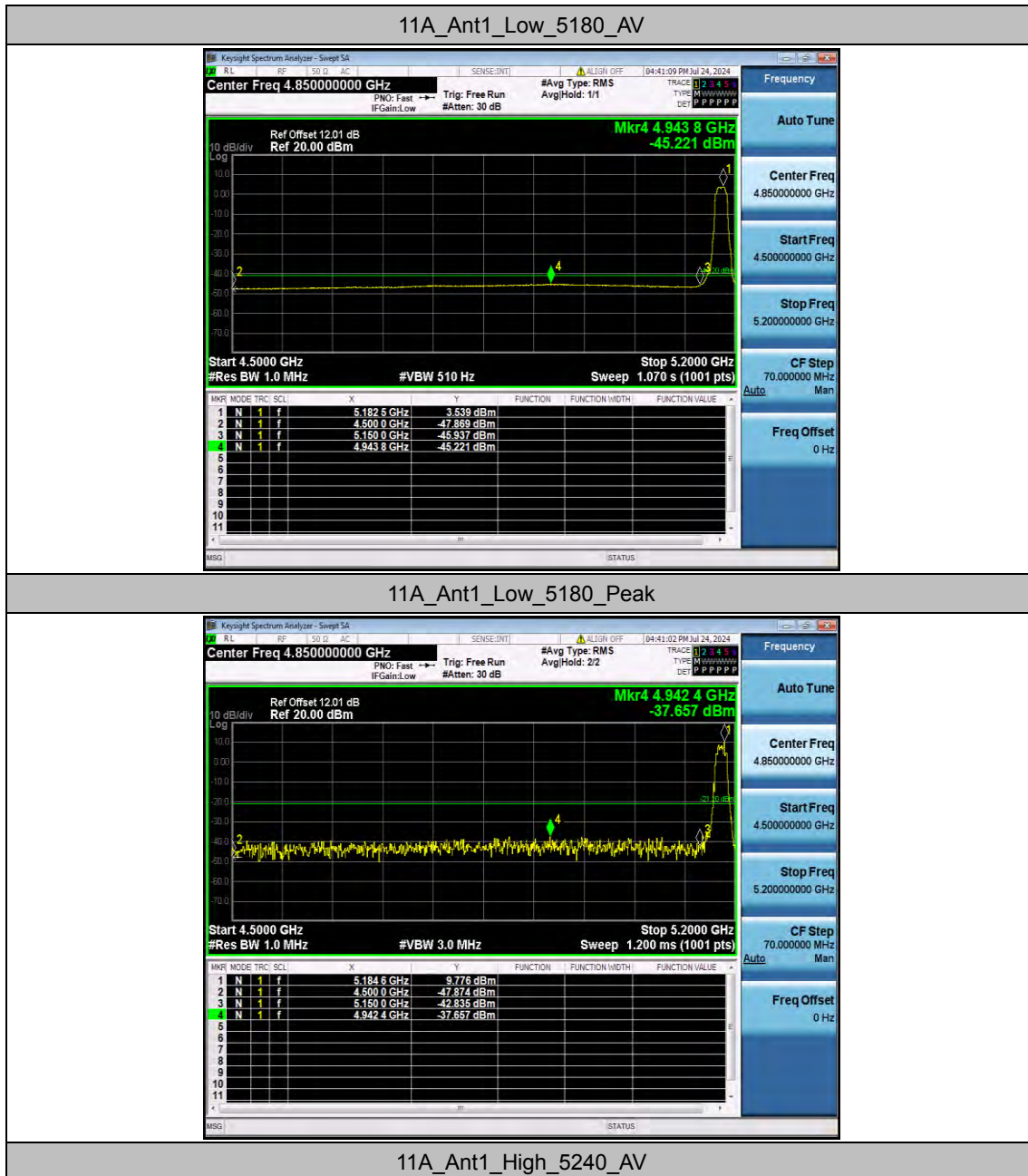
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5180	AV	4500.000	-47.87	≤-41.20	47.33	≤54	PASS
				AV	4943.800	-45.22	≤-41.20	49.98	≤54	PASS
				AV	5150.000	-45.94	≤-41.20	49.26	≤54	PASS
				Peak	4500.000	-47.87	≤-21.20	47.33	≤74	PASS
				Peak	4942.400	-37.66	≤-21.20	57.54	≤74	PASS
				Peak	5150.000	-42.84	≤-21.20	52.36	≤74	PASS
		High	5240	AV	5350.000	-46.57	≤-41.20	48.63	≤54	PASS
				AV	5457.600	-45.43	≤-41.20	49.77	≤54	PASS
				AV	5460.000	-45.68	≤-41.20	49.52	≤54	PASS
				Peak	5350.000	-45.52	≤-21.20	49.68	≤74	PASS
				Peak	5427.120	-36.54	≤-21.20	58.66	≤74	PASS
				Peak	5460.000	-43.1	≤-21.20	52.10	≤74	PASS
11N20SIS O	Ant1	Low	5180	AV	4500.000	-47.87	≤-41.20	47.33	≤54	PASS
				AV	4948.700	-45.37	≤-41.20	49.83	≤54	PASS
				AV	5150.000	-45.92	≤-41.20	49.28	≤54	PASS
				Peak	4500.000	-45.44	≤-21.20	49.76	≤74	PASS
				Peak	4985.100	-37.08	≤-21.20	58.12	≤74	PASS
				Peak	5150.000	-40.99	≤-21.20	54.21	≤74	PASS
		High	5240	AV	5350.000	-46.87	≤-41.20	48.33	≤54	PASS
				AV	5456.640	-45.46	≤-41.20	49.74	≤54	PASS
				AV	5460.000	-45.61	≤-41.20	49.59	≤54	PASS
				Peak	5350.000	-42.81	≤-21.20	52.39	≤74	PASS
				Peak	5383.440	-38.33	≤-21.20	56.87	≤74	PASS
				Peak	5460.000	-40.38	≤-21.20	54.82	≤74	PASS
11N40SIS O	Ant1	Low	5190	AV	4500.000	-47.73	≤-41.20	47.47	≤54	PASS
				AV	5148.900	-43.27	≤-41.20	51.93	≤54	PASS
				AV	5150.000	-43.48	≤-41.20	51.72	≤54	PASS
				Peak	4500.000	-44.82	≤-21.20	50.38	≤74	PASS
				Peak	5148.900	-33.34	≤-21.20	61.86	≤74	PASS
				Peak	5150.000	-41.39	≤-21.20	53.81	≤74	PASS
		High	5230	AV	5350.000	-46.62	≤-41.20	48.58	≤54	PASS
				AV	5454.020	-45.19	≤-41.20	50.01	≤54	PASS
				AV	5460.000	-45.61	≤-41.20	49.59	≤54	PASS
				Peak	5350.000	-46.52	≤-21.20	48.68	≤74	PASS
				Peak	5454.540	-36.32	≤-21.20	58.88	≤74	PASS
				Peak	5460.000	-46.84	≤-21.20	48.36	≤74	PASS

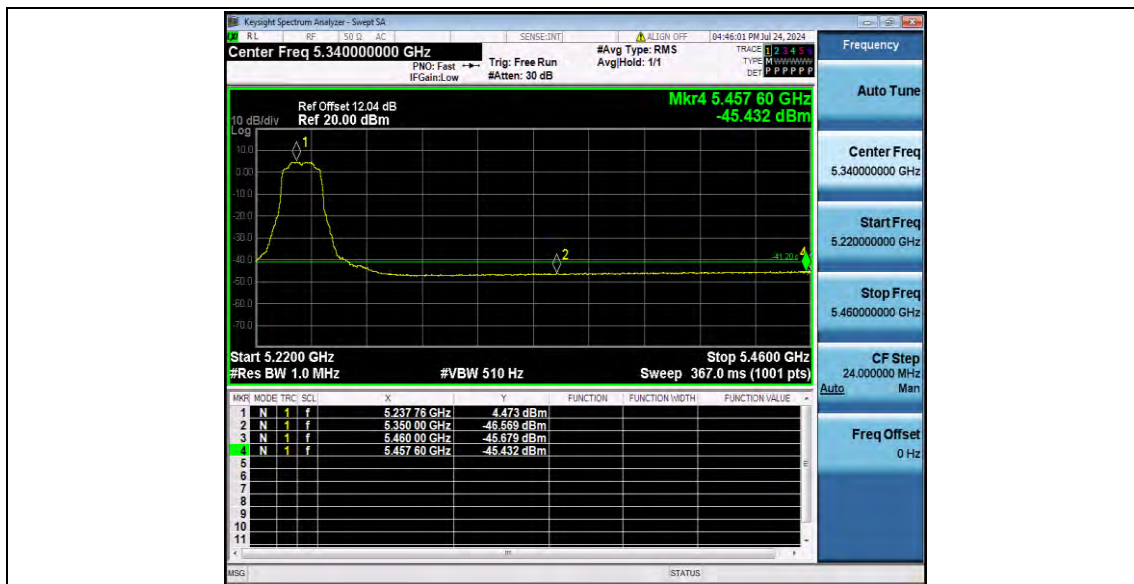
11AC20SI SO	Ant1	Low	5180	AV	4500.000	-47.97	≤ -41.20	47.23	≤ 54	PASS
				AV	4952.200	-45.17	≤ -41.20	50.03	≤ 54	PASS
				AV	5150.000	-45.55	≤ -41.20	49.65	≤ 54	PASS
				Peak	4500.000	-40.14	≤ -21.20	55.06	≤ 74	PASS
				Peak	4922.100	-36.45	≤ -21.20	58.75	≤ 74	PASS
				Peak	5150.000	-40.33	≤ -21.20	54.87	≤ 74	PASS
		High	5240	AV	5350.000	-46.74	≤ -41.20	48.46	≤ 54	PASS
				AV	5446.800	-45.47	≤ -41.20	49.73	≤ 54	PASS
				AV	5460.000	-45.72	≤ -41.20	49.48	≤ 54	PASS
				Peak	5350.000	-44.94	≤ -21.20	50.26	≤ 74	PASS
				Peak	5436.240	-37.02	≤ -21.20	58.18	≤ 74	PASS
				Peak	5460.000	-41.76	≤ -21.20	53.44	≤ 74	PASS
11AC40SI SO	Ant1	Low	5190	AV	4500.000	-47.81	≤ -41.20	47.39	≤ 54	PASS
				AV	5149.600	-42.64	≤ -41.20	52.56	≤ 54	PASS
				AV	5150.000	-43.51	≤ -41.20	51.69	≤ 54	PASS
				Peak	4500.000	-43.94	≤ -21.20	51.26	≤ 74	PASS
				Peak	5134.200	-36.31	≤ -21.20	58.89	≤ 74	PASS
				Peak	5150.000	-39.63	≤ -21.20	55.57	≤ 74	PASS
		High	5230	AV	5350.000	-46.38	≤ -41.20	48.82	≤ 54	PASS
				AV	5432.440	-45.24	≤ -41.20	49.96	≤ 54	PASS
				AV	5460.000	-45.79	≤ -41.20	49.41	≤ 54	PASS
				Peak	5350.000	-48.37	≤ -21.20	46.83	≤ 74	PASS
				Peak	5427.760	-37.19	≤ -21.20	58.01	≤ 74	PASS
				Peak	5460.000	-41.06	≤ -21.20	54.14	≤ 74	PASS
11AC80SI SO	Ant1	Low	5210	AV	4500.000	-47.7	≤ -41.20	47.50	≤ 54	PASS
				AV	4950.000	-44.67	≤ -41.20	50.53	≤ 54	PASS
				AV	5150.000	-46.07	≤ -41.20	49.13	≤ 54	PASS
				Peak	4500.000	-45.99	≤ -21.20	49.21	≤ 74	PASS
				Peak	4974.750	-37.78	≤ -21.20	57.42	≤ 74	PASS
				Peak	5150.000	-44.27	≤ -21.20	50.93	≤ 74	PASS
		High	5210	AV	5350.000	-44.59	≤ -41.20	50.61	≤ 54	PASS
				AV	5357.240	-42.71	≤ -41.20	52.49	≤ 54	PASS
				AV	5460.000	-45.5	≤ -41.20	49.70	≤ 54	PASS
				Peak	5350.000	-40.5	≤ -21.20	54.70	≤ 74	PASS
				Peak	5433.680	-37	≤ -21.20	58.20	≤ 74	PASS
				Peak	5460.000	-39.73	≤ -21.20	55.47	≤ 74	PASS

Note:

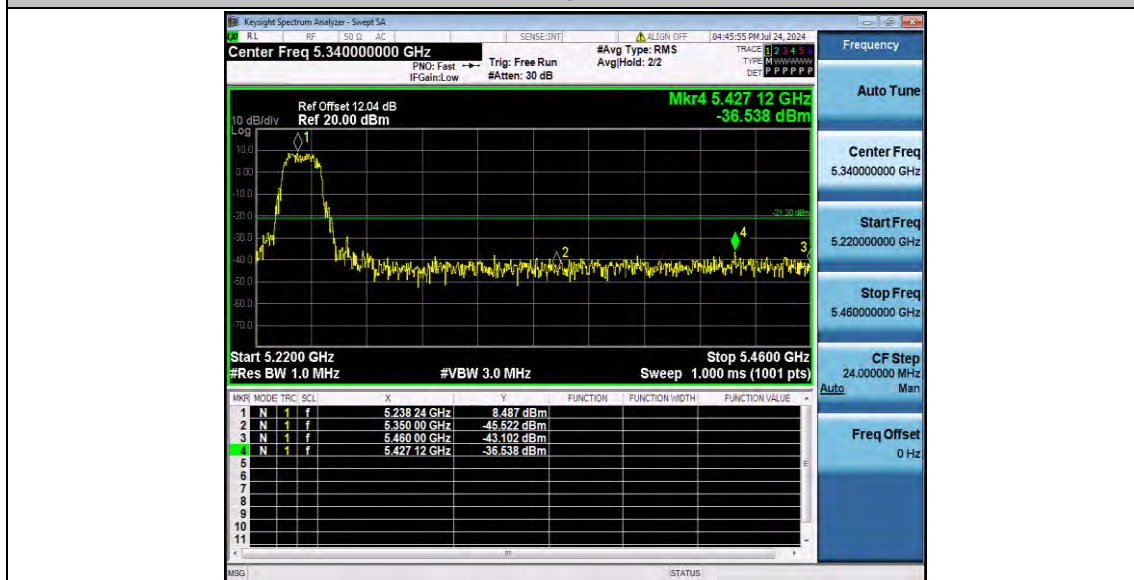
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm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

Test Graphs





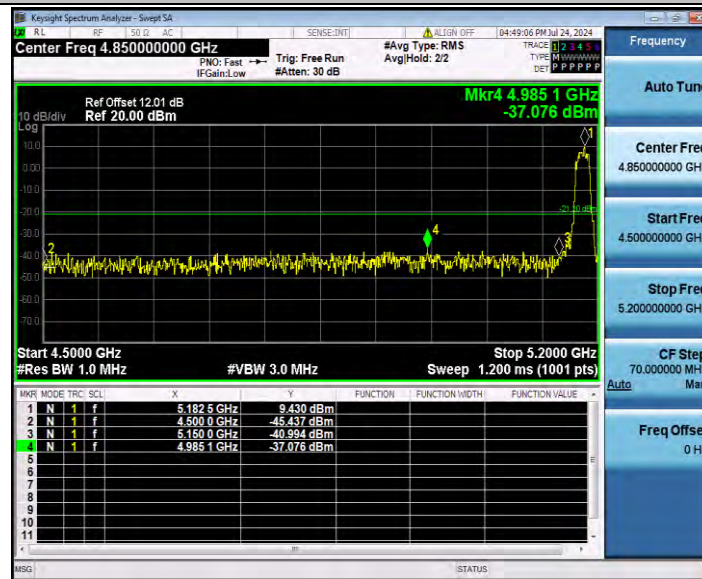
11A_Ant1_High_5240_Peak



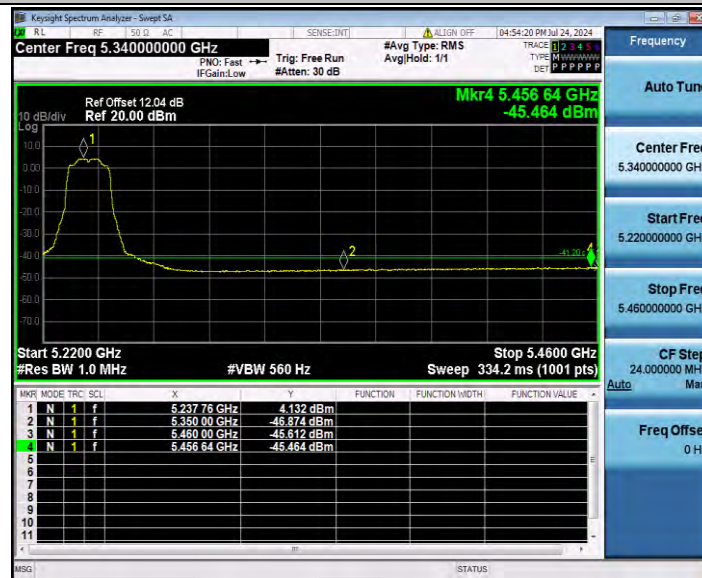
11N20SISO_Ant1_Low_5180_AV



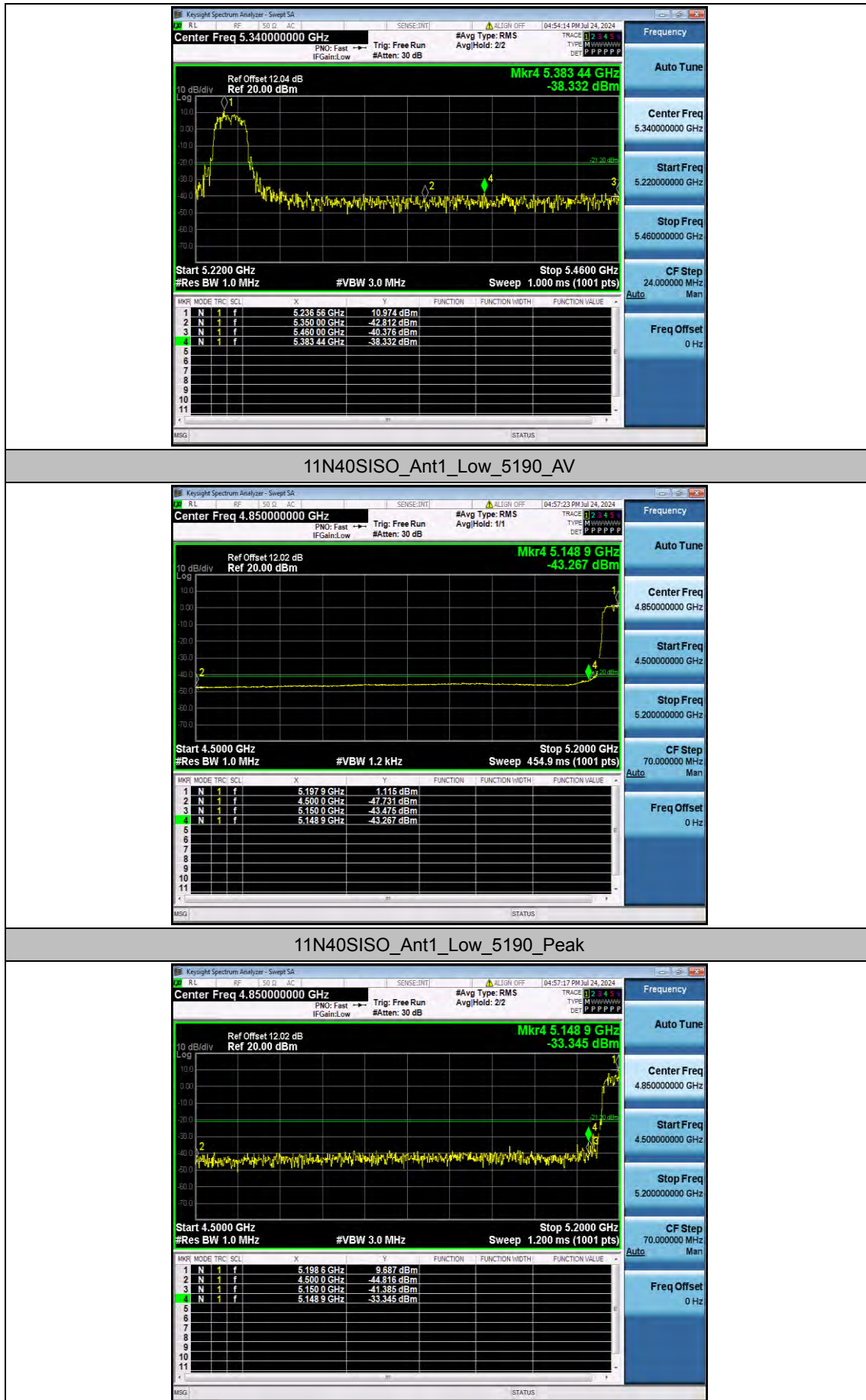
11N20SISO_Ant1_Low_5180_Peak



11N20SISO_Ant1_High_5240_AV



11N20SISO_Ant1_High_5240_Peak



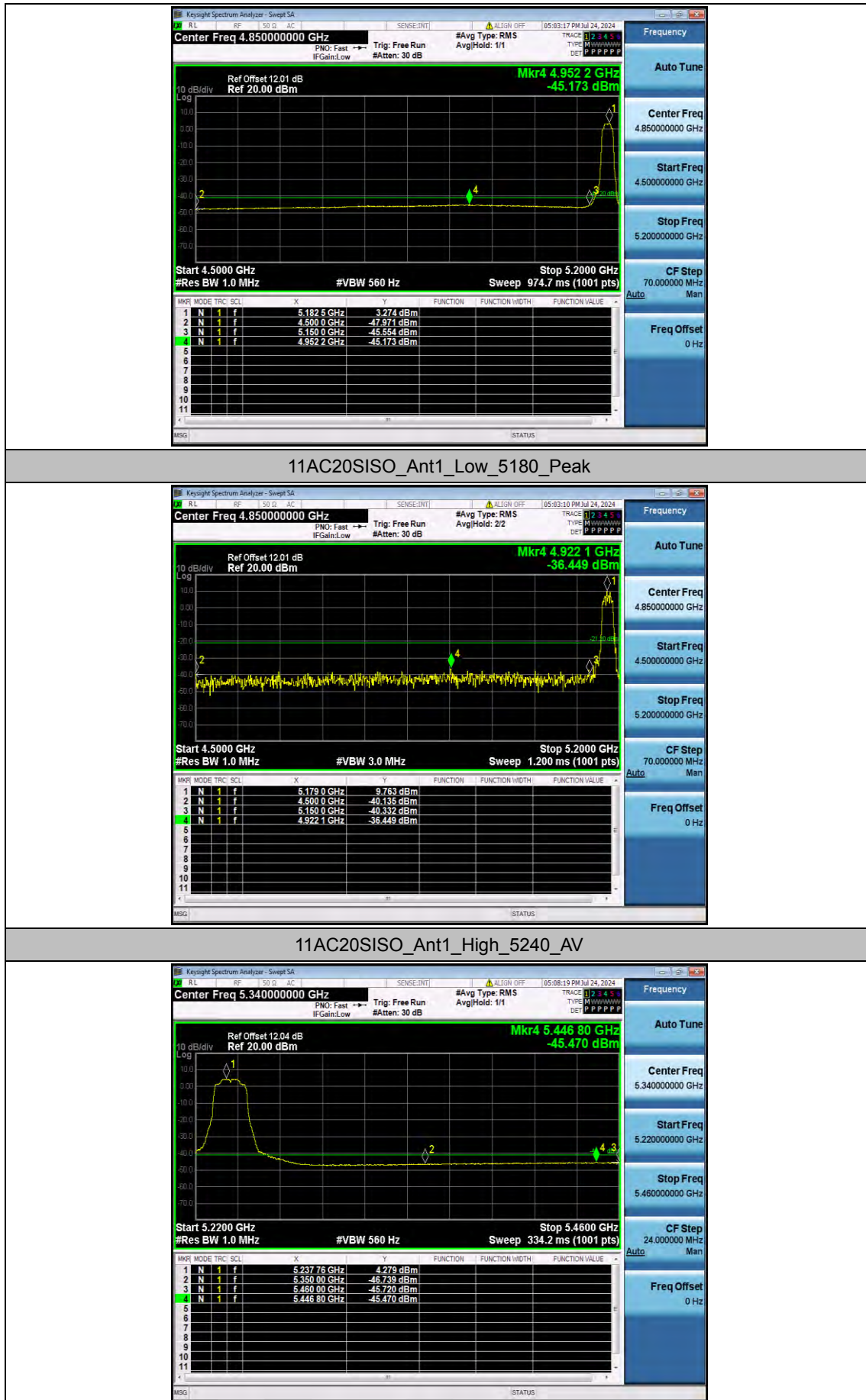
11N40SISO_Ant1_High_5230_AV



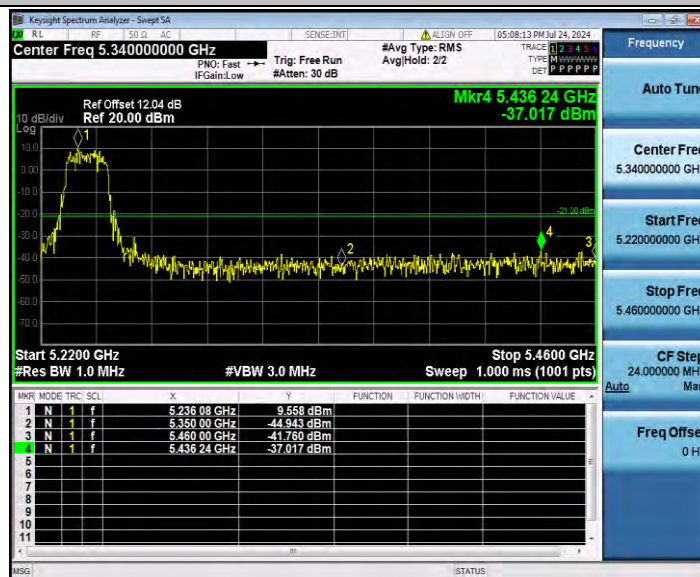
11N40SISO_Ant1_High_5230_Peak



11AC20SISO_Ant1_Low_5180_AV



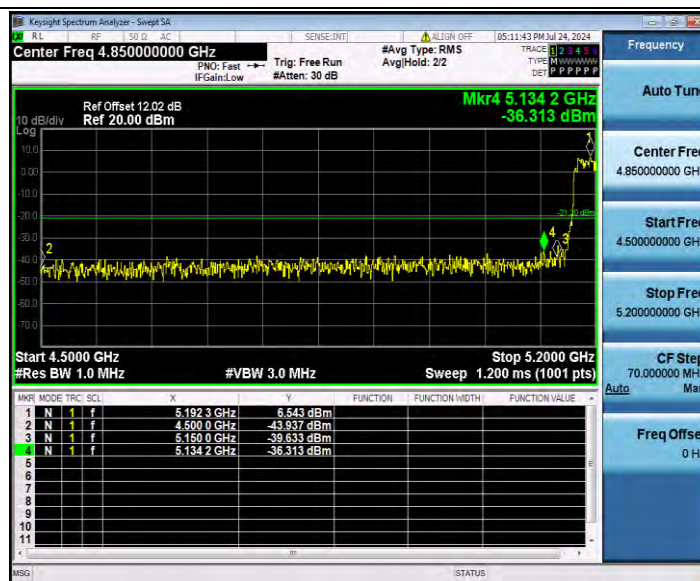
11AC20SISO_Ant1_High_5240_Peak



11AC40SISO_Ant1_Low_5190_AV



11AC40SISO_Ant1_Low_5190_Peak



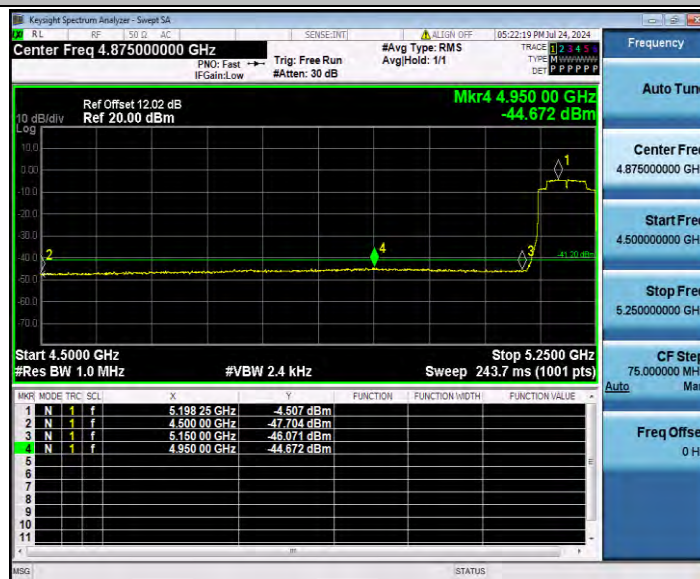
11AC40SISO_Ant1_High_5230_AV



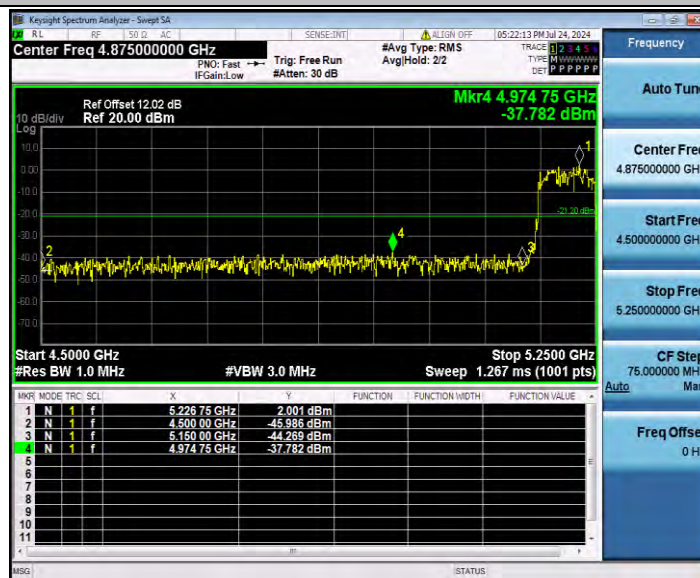
11AC40SISO_Ant1_High_5230_Peak



11AC80SISO_Ant1_Low_5210_AV



11AC80SISO_Ant1_Low_5210_Peak



11AC80SISO_Ant1_High_5210_AV

