

Appendix E.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	30~5140	4993.51	-45.8	≤-27	PASS
			5360~27000	26497.95	-37.53	≤-27	PASS
		5280	30~5140	4877.86	-46.1	≤-27	PASS
			5360~27000	26427.98	-36.31	≤-27	PASS
		5320	30~5140	3401.92	-45.07	≤-27	PASS
			5360~27000	24305.1	-37.45	≤-27	PASS
11N20SISO	Ant1	5260	30~5140	4890.97	-46.02	≤-27	PASS
			5360~27000	24240.18	-36.8	≤-27	PASS
		5280	30~5140	5061.48	-46.24	≤-27	PASS
			5360~27000	26504.44	-36.5	≤-27	PASS
		5320	30~5140	1738.1	-39.15	≤-27	PASS
			5360~27000	23519.57	-36.79	≤-27	PASS
11N40SISO	Ant1	5270	30~5140	4849.24	-46.24	≤-27	PASS
			5360~27000	23542.65	-36.63	≤-27	PASS
		5310	30~5140	1744.06	-44.72	≤-27	PASS
			5360~27000	5360.72	-31.95	≤-27	PASS
11AC20SISO	Ant1	5260	30~5140	4940.03	-46.36	≤-27	PASS
			5360~27000	26785.76	-37.08	≤-27	PASS
		5280	30~5140	5039.33	-46.09	≤-27	PASS
			5360~27000	26650.15	-36.32	≤-27	PASS
		5320	30~5140	4765.61	-46.43	≤-27	PASS
			5360~27000	24826.62	-36.93	≤-27	PASS
11AC40SISO	Ant1	5270	30~5140	3067.04	-46.14	≤-27	PASS
			5360~27000	24917.51	-37.47	≤-27	PASS
		5310	30~5140	4987.72	-45.48	≤-27	PASS
			5360~27000	5360	-31.79	≤-27	PASS
11AC80SISO	Ant1	5290	30~5140	5138.3	-45.49	≤-27	PASS
			5360~27000	5369.38	-29.47	≤-27	PASS

Test Graphs

11A_Ant1_5260_30~5140



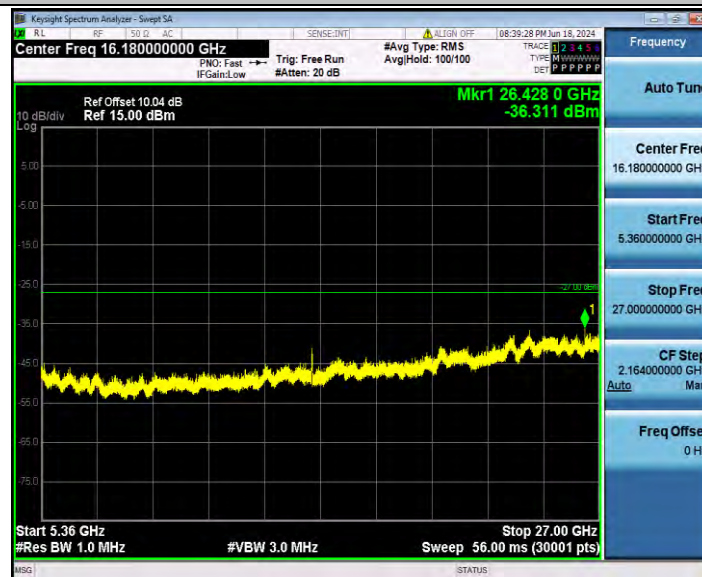
11A_Ant1_5260_5360~27000



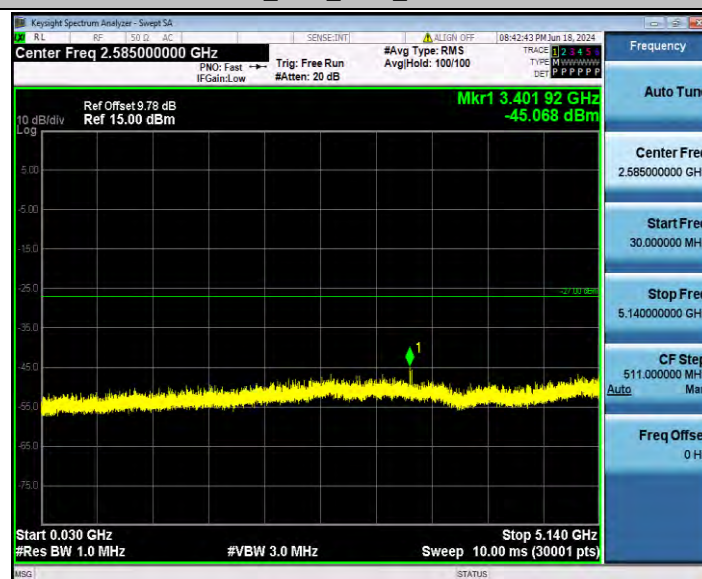
11A_Ant1_5280_30~5140



11A_Ant1_5280_5360~27000



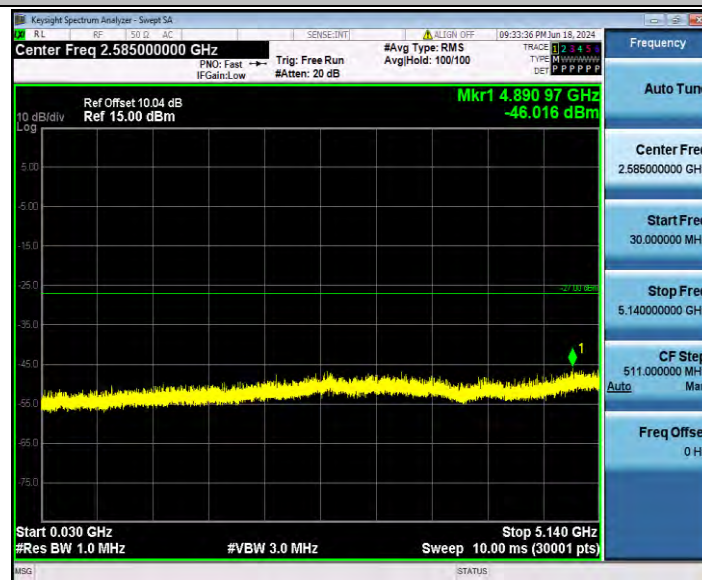
11A_Ant1_5320_30~5140



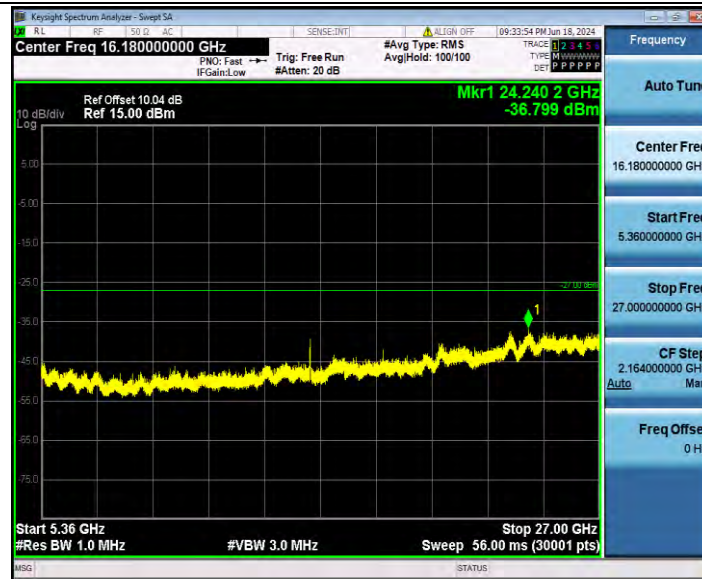
11A_Ant1_5320_5360~27000



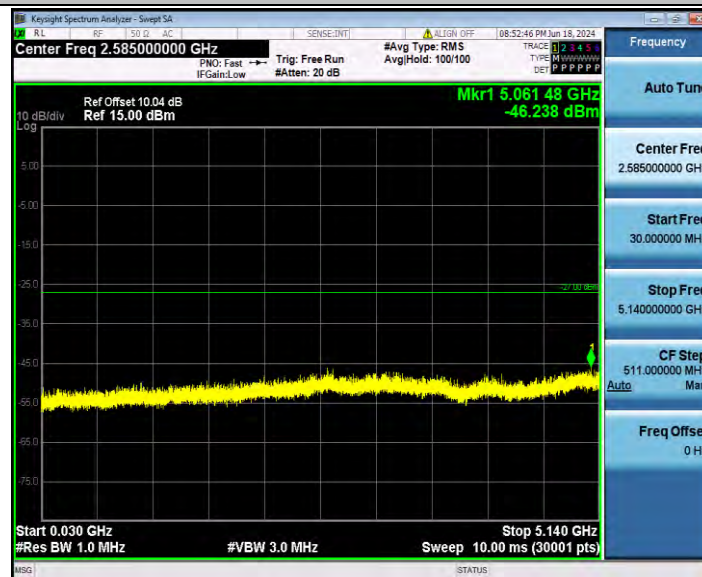
11N20SISO_Ant1_5260_30~5140



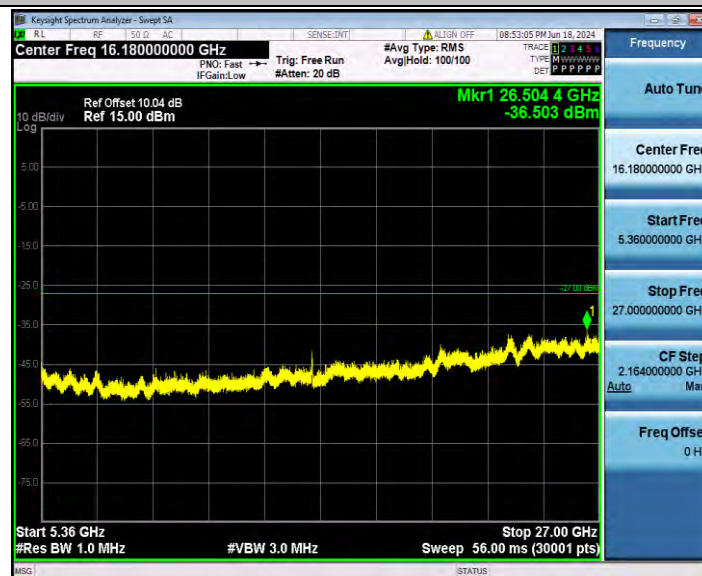
11N20SISO_Ant1_5260_5360~27000



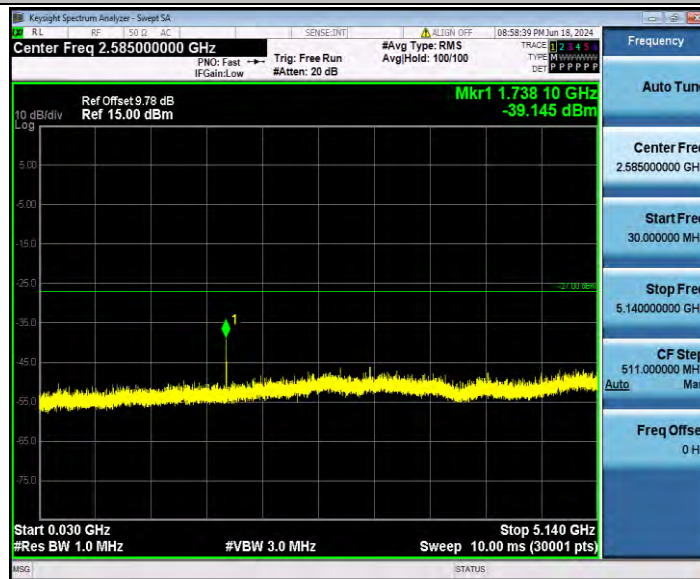
11N20SISO_Ant1_5280_30~5140



11N20SISO_Ant1_5280_5360~27000



11N20SISO_Ant1_5320_30~5140



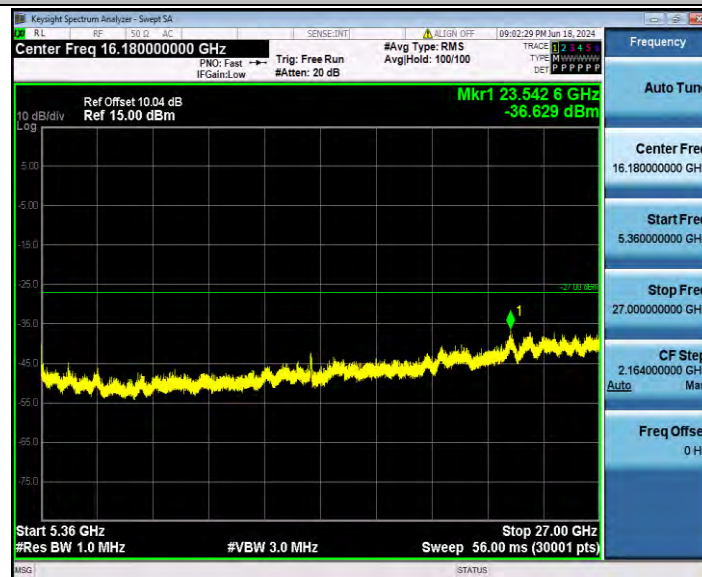
11N20SISO_Ant1_5320_5360~27000



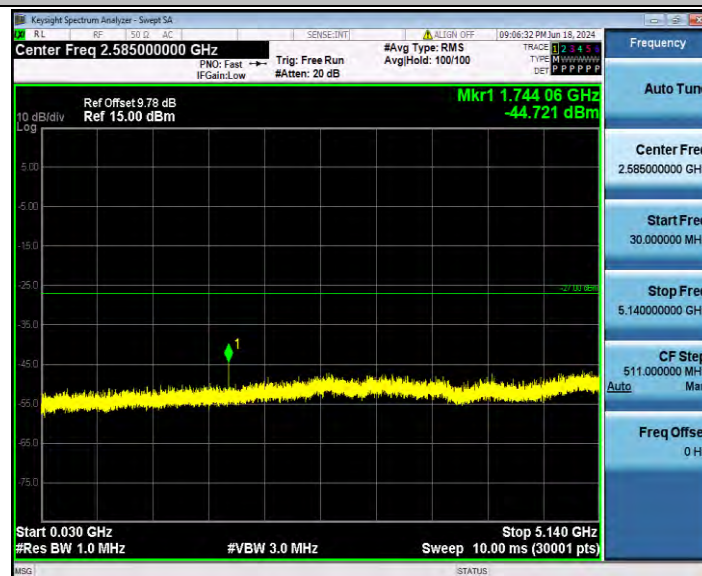
11N40SISO_Ant1_5270_30~5140



11N40SISO_Ant1_5270_5360~27000



11N40SISO_Ant1_5310_30~5140



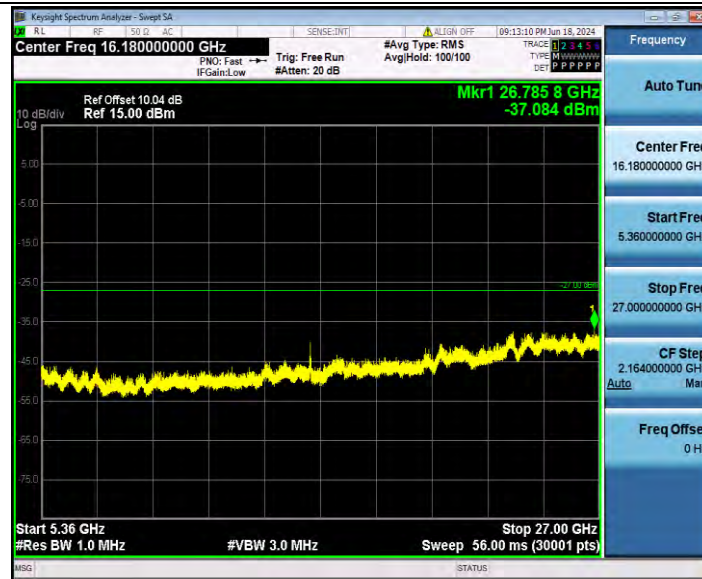
11N40SISO_Ant1_5310_5360~27000



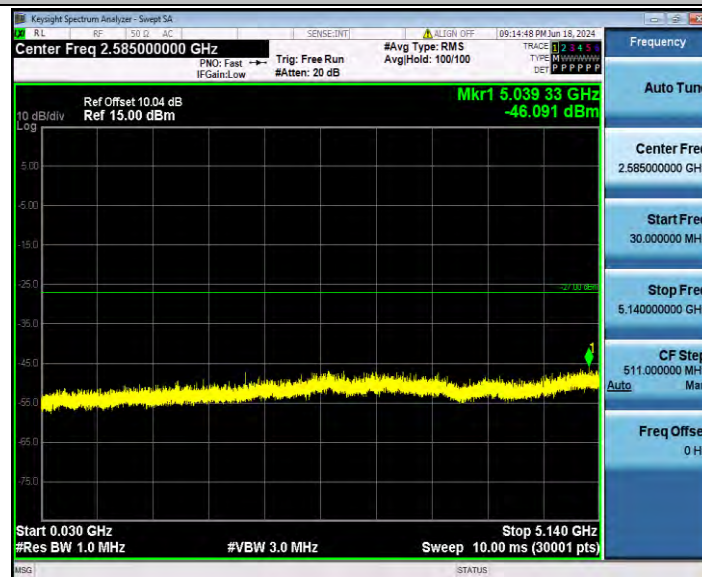
11AC20SISO_Ant1_5260_30~5140



11AC20SISO_Ant1_5260_5360~27000



11AC20SISO_Ant1_5280_30~5140



11AC20SISO_Ant1_5280_5360~27000



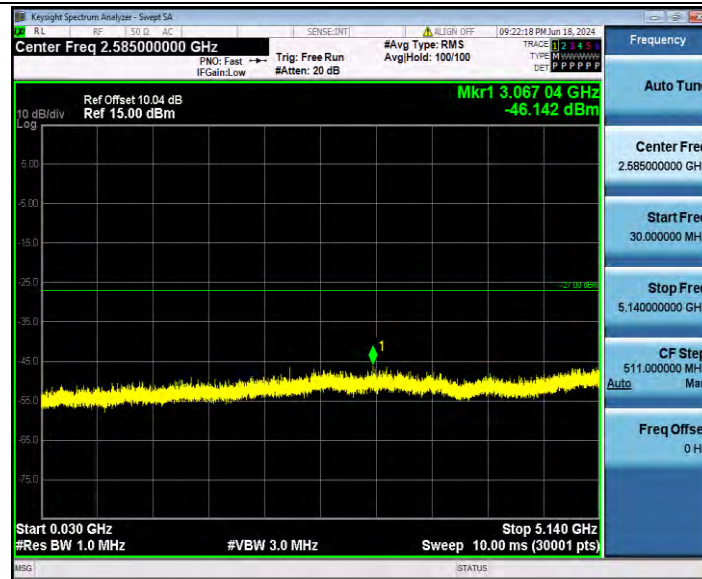
11AC20SISO_Ant1_5320_30~5140



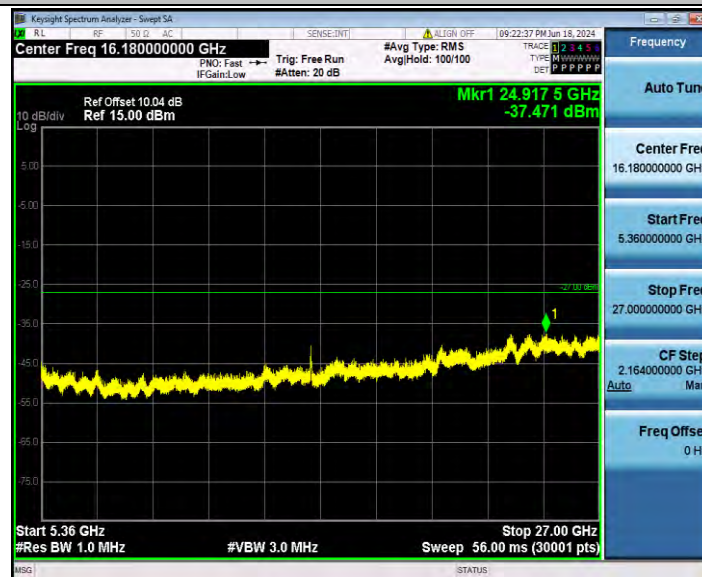
11AC20SISO_Ant1_5320_5360~27000



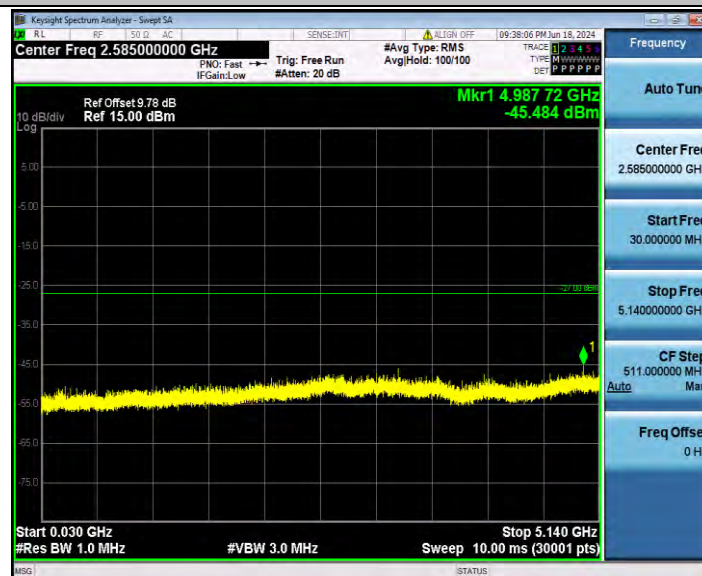
11AC40SISO_Ant1_5270_30~5140



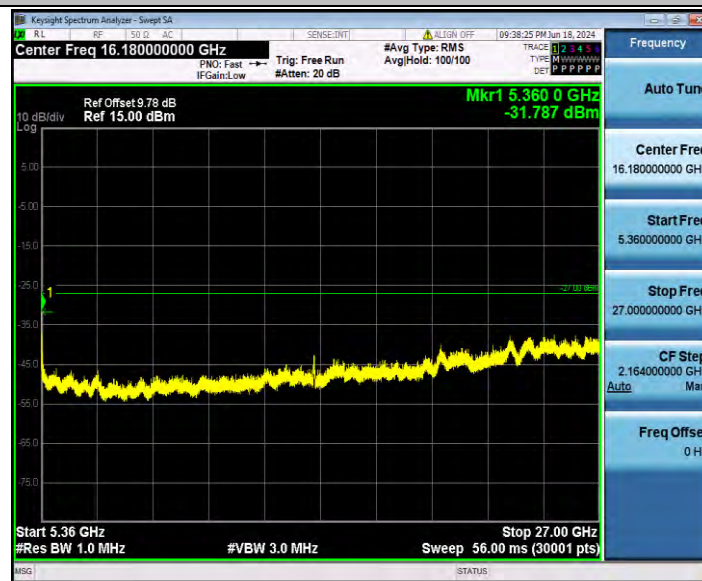
11AC40SISO_Ant1_5270_5360~27000



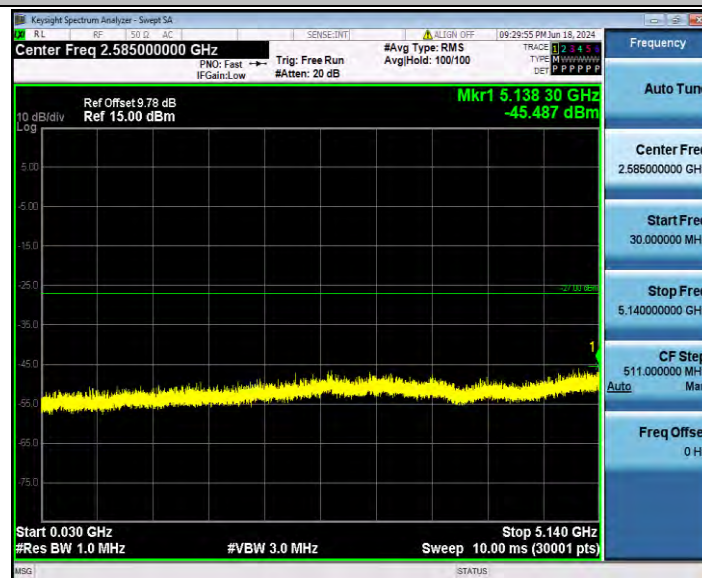
11AC40SISO_Ant1_5310_30~5140



11AC40SISO_Ant1_5310_5360~27000



11AC80SISO_Ant1_5290_30~5140



11AC80SISO_Ant1_5290_5360~27000



Appendix E.8: Emissions in Restricted Bands

Test Result

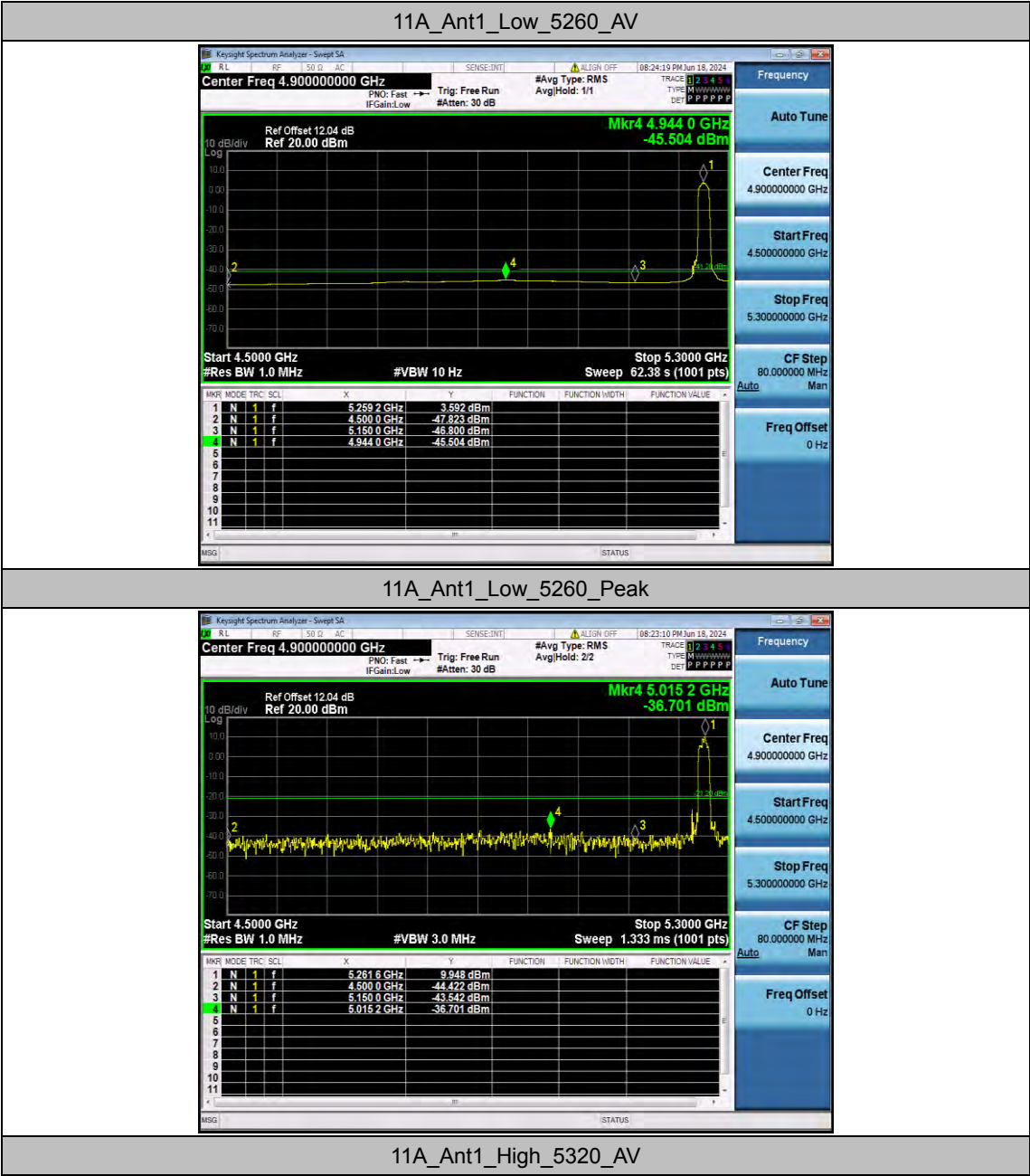
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5260	AV	4500.000	-47.82	≤-41.20	47.38	≤54	PASS
				AV	4944.000	-45.5	≤-41.20	49.70	≤54	PASS
				AV	5150.000	-46.8	≤-41.20	48.40	≤54	PASS
				Peak	4500.000	-44.42	≤-21.20	50.78	≤74	PASS
				Peak	5015.200	-36.7	≤-21.20	58.50	≤74	PASS
				Peak	5150.000	-43.54	≤-21.20	51.66	≤74	PASS
		High	5320	AV	5350.000	-46.14	≤-41.20	49.06	≤54	PASS
				AV	5350.400	-46.14	≤-41.20	49.06	≤54	PASS
				AV	5460.000	-46.24	≤-41.20	48.96	≤54	PASS
				Peak	5350.000	-43.35	≤-21.20	51.85	≤74	PASS
				Peak	5380.000	-36.73	≤-21.20	58.47	≤74	PASS
				Peak	5460.000	-46.59	≤-21.20	48.61	≤74	PASS
11N20SIS O	Ant1	Low	5260	AV	4500.000	-47.88	≤-41.20	47.32	≤54	PASS
				AV	4940.000	-45.56	≤-41.20	49.64	≤54	PASS
				AV	5150.000	-46.9	≤-41.20	48.30	≤54	PASS
				Peak	4500.000	-43.38	≤-21.20	51.82	≤74	PASS
				Peak	4899.200	-37.53	≤-21.20	57.67	≤74	PASS
				Peak	5150.000	-41.59	≤-21.20	53.61	≤74	PASS
		High	5320	AV	5350.000	-46.17	≤-41.20	49.03	≤54	PASS
				AV	5350.400	-46.17	≤-41.20	49.03	≤54	PASS
				AV	5460.000	-46.33	≤-41.20	48.87	≤54	PASS
				Peak	5350.000	-42.08	≤-21.20	53.12	≤74	PASS
				Peak	5452.000	-37.22	≤-21.20	57.98	≤74	PASS
				Peak	5460.000	-42.36	≤-21.20	52.84	≤74	PASS
11N40SIS O	Ant1	Low	5270	AV	4500.000	-47.91	≤-41.20	47.29	≤54	PASS
				AV	4943.980	-45.57	≤-41.20	49.63	≤54	PASS
				AV	5150.000	-46.88	≤-41.20	48.32	≤54	PASS
				Peak	4500.000	-47.06	≤-21.20	48.14	≤74	PASS
				Peak	4951.880	-37.08	≤-21.20	58.12	≤74	PASS
				Peak	5150.000	-41.37	≤-21.20	53.83	≤74	PASS
		High	5310	AV	5350.000	-43.41	≤-41.20	51.79	≤54	PASS
				AV	5460.000	-46.34	≤-41.20	48.86	≤54	PASS
				Peak	5350.000	-35.88	≤-21.20	59.32	≤74	PASS
				Peak	5460.000	-45.64	≤-21.20	49.56	≤74	PASS
11AC20SI SO	Ant1	Low	5260	AV	4500.000	-47.88	≤-41.20	47.32	≤54	PASS
				AV	4944.000	-45.59	≤-41.20	49.61	≤54	PASS

				AV	5150.000	-46.84	≤ -41.20	48.36	≤ 54	PASS
				Peak	4500.000	-42.78	≤ -21.20	52.42	≤ 74	PASS
				Peak	4788.000	-36.99	≤ -21.20	58.21	≤ 74	PASS
				Peak	5150.000	-40.41	≤ -21.20	54.79	≤ 74	PASS
		High	5320	AV	5350.000	-46.32	≤ -41.20	48.88	≤ 54	PASS
				AV	5457.600	-46.28	≤ -41.20	48.92	≤ 54	PASS
				AV	5460.000	-46.34	≤ -41.20	48.86	≤ 54	PASS
				Peak	5350.000	-40.82	≤ -21.20	54.38	≤ 74	PASS
				Peak	5364.000	-36.65	≤ -21.20	58.55	≤ 74	PASS
				Peak	5460.000	-43.87	≤ -21.20	51.33	≤ 74	PASS
11AC40SI SO	Ant1	Low	5270	AV	4500.000	-47.93	≤ -41.20	47.27	≤ 54	PASS
				AV	4943.980	-45.61	≤ -41.20	49.59	≤ 54	PASS
				AV	5150.000	-46.9	≤ -41.20	48.30	≤ 54	PASS
				Peak	4500.000	-45.68	≤ -21.20	49.52	≤ 74	PASS
				Peak	4965.310	-36.91	≤ -21.20	58.29	≤ 74	PASS
				Peak	5150.000	-40.97	≤ -21.20	54.23	≤ 74	PASS
		High	5310	AV	5350.000	-43.69	≤ -41.20	51.51	≤ 54	PASS
				AV	5460.000	-46.32	≤ -41.20	48.88	≤ 54	PASS
				Peak	5350.000	-40.31	≤ -21.20	54.89	≤ 74	PASS
				Peak	5353.200	-36.72	≤ -21.20	58.48	≤ 74	PASS
				Peak	5460.000	-39.58	≤ -21.20	55.62	≤ 74	PASS
11AC80SI SO	Ant1	Low	5290	AV	4500.000	-48.16	≤ -41.20	47.04	≤ 54	PASS
				AV	4941.225	-45.87	≤ -41.20	49.33	≤ 54	PASS
				AV	5150.000	-46.94	≤ -41.20	48.26	≤ 54	PASS
				Peak	4500.000	-43.46	≤ -21.20	51.74	≤ 74	PASS
				Peak	5146.335	-37.64	≤ -21.20	57.56	≤ 74	PASS
				Peak	5150.000	-44.82	≤ -21.20	50.38	≤ 74	PASS
		High	5290	AV	5350.000	-44.97	≤ -41.20	50.23	≤ 54	PASS
				AV	5350.400	-44.94	≤ -41.20	50.26	≤ 54	PASS
				AV	5460.000	-46.37	≤ -41.20	48.83	≤ 54	PASS
				Peak	5350.000	-39.94	≤ -21.20	55.26	≤ 74	PASS
				Peak	5355.400	-37.37	≤ -21.20	57.83	≤ 74	PASS
				Peak	5460.000	-46.28	≤ -21.20	48.92	≤ 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_Low_5260_Peak

Frequency

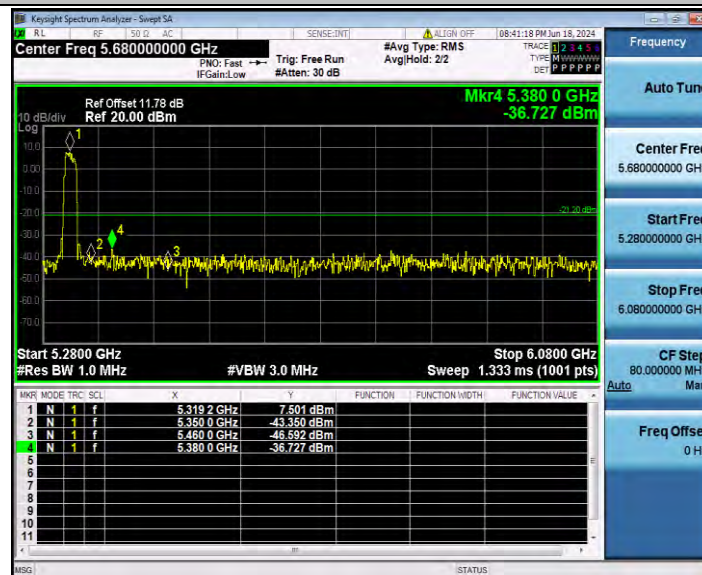
Auto Tune

Center Freq
4.900000000 GHzStart Freq
4.500000000 GHzStop Freq
5.300000000 GHzCF Step
80.000000 MHz
Auto ManFreq Offset
0 Hz

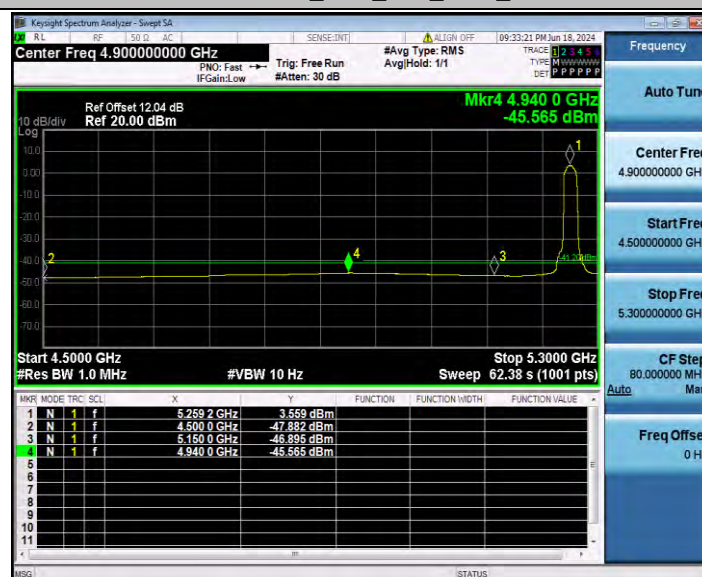
11A_Ant1_High_5320_AV



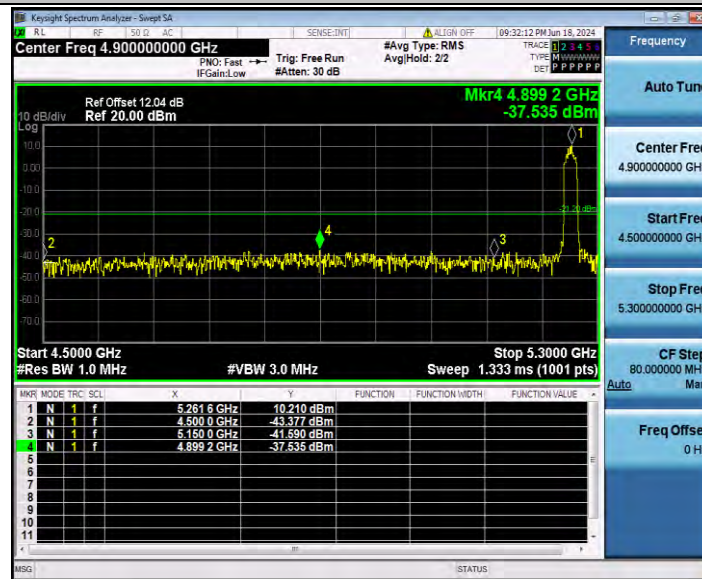
11A_Ant1_High_5320_Peak



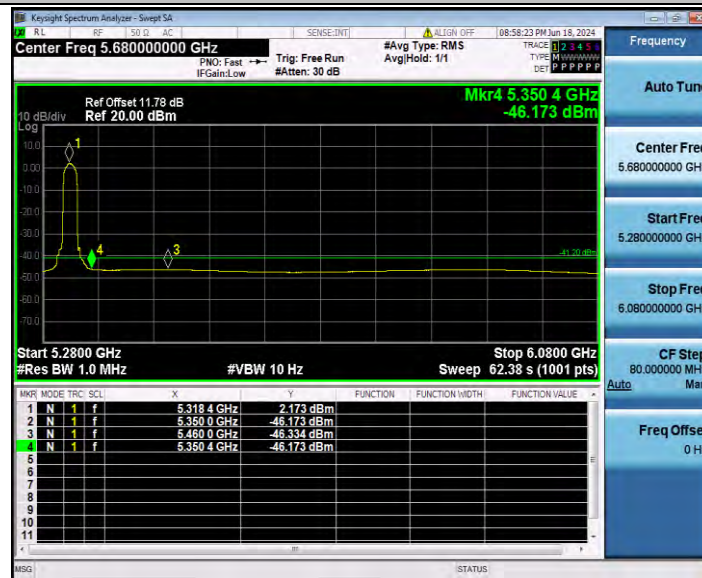
11N20SISO_Ant1_Low_5260_AV



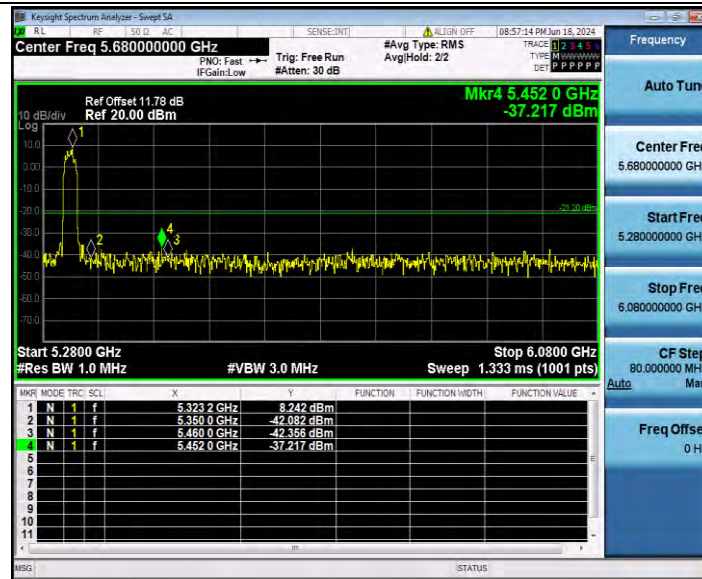
11N20SISO_Ant1_Low_5260_Peak



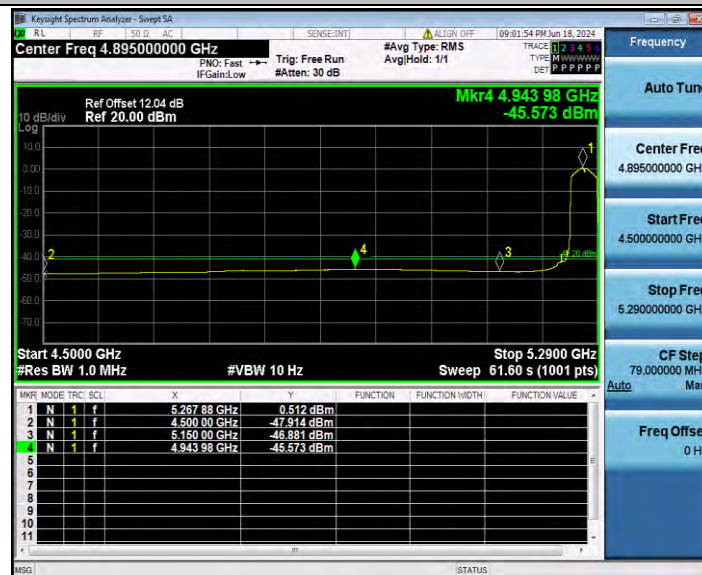
11N20SISO_Ant1_High_5320_AV



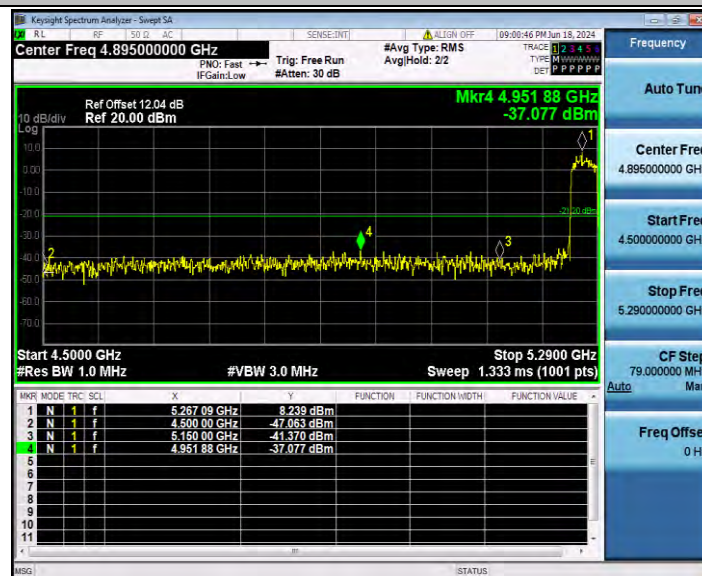
11N20SISO_Ant1_High_5320_Peak



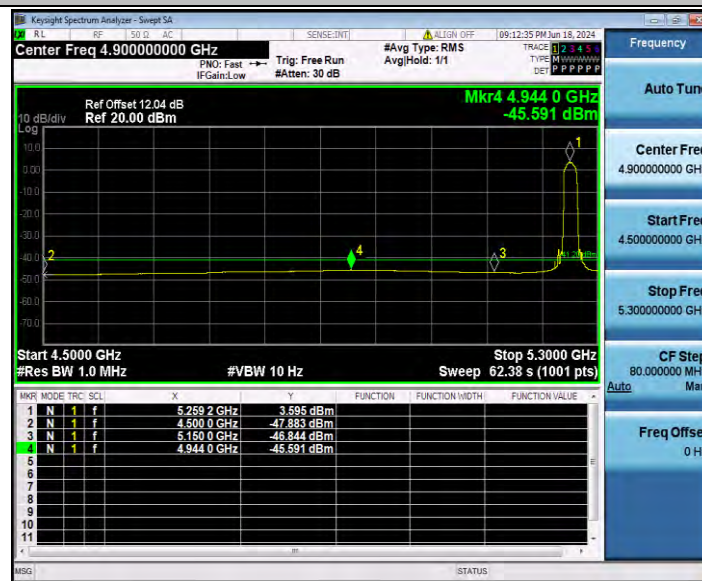
11N40SISO_Ant1_Low_5270_AV



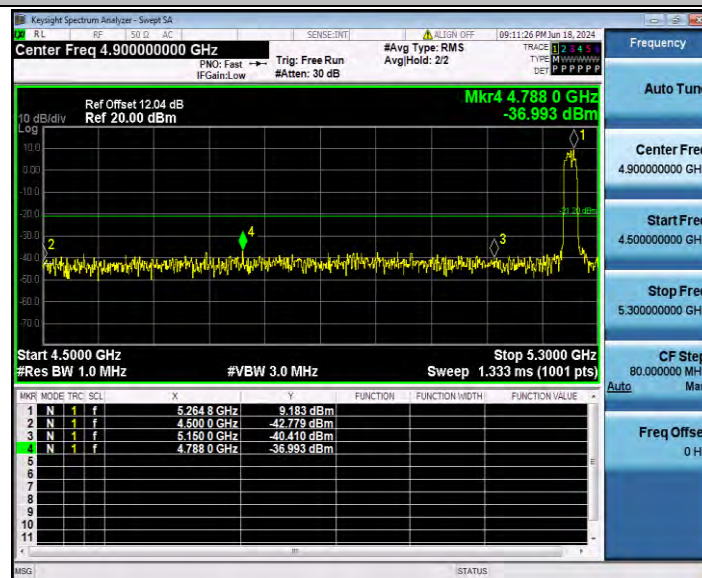
11N40SISO_Ant1_Low_5270_Peak



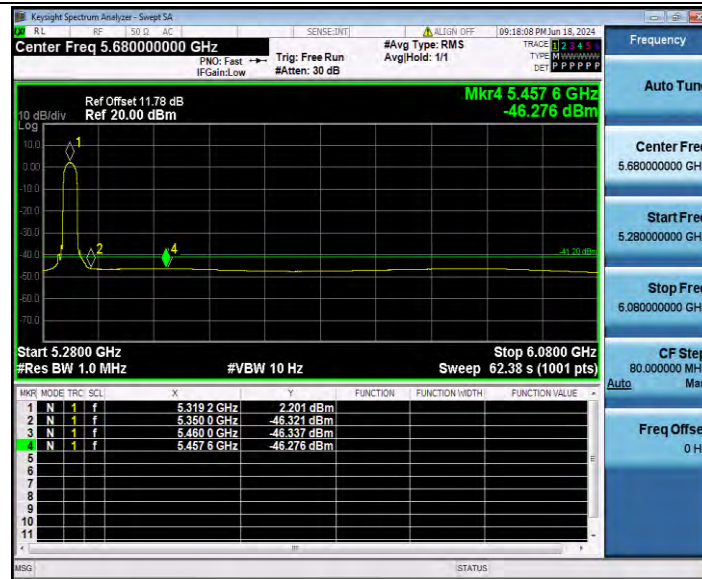
11AC20SISO_Ant1_Low_5260_AV



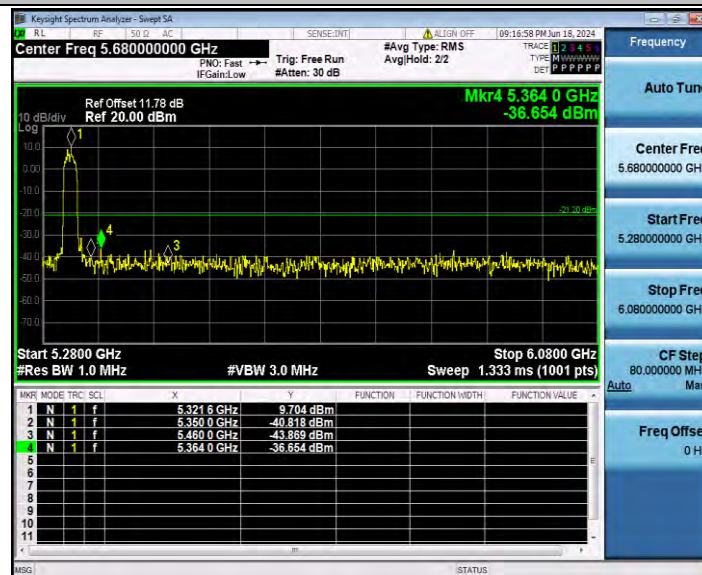
11AC20SISO_Ant1_Low_5260_Peak



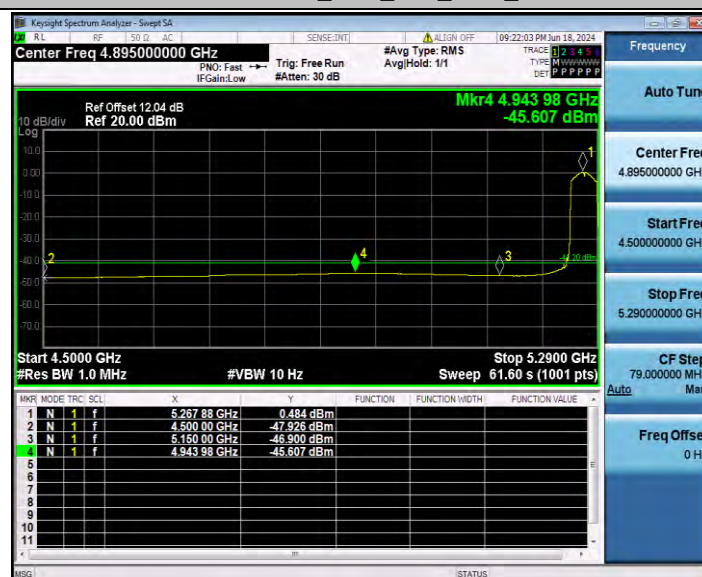
11AC20SISO_Ant1_High_5320_AV



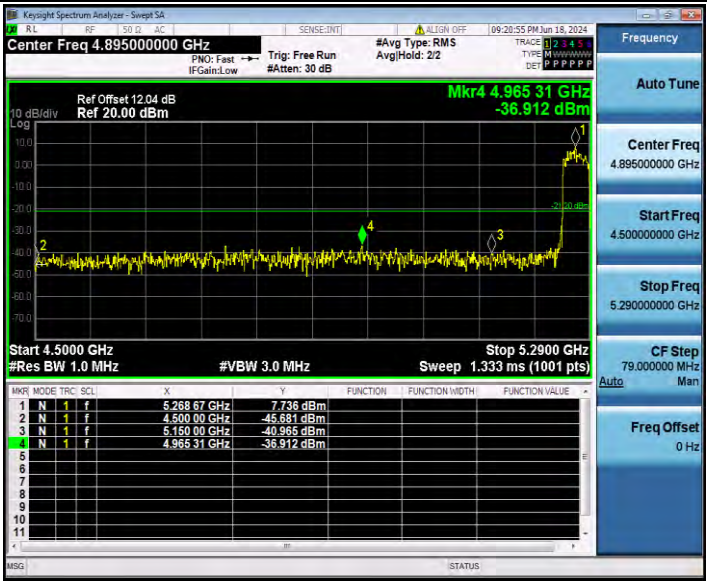
11AC20SISO_Ant1_High_5320_Peak



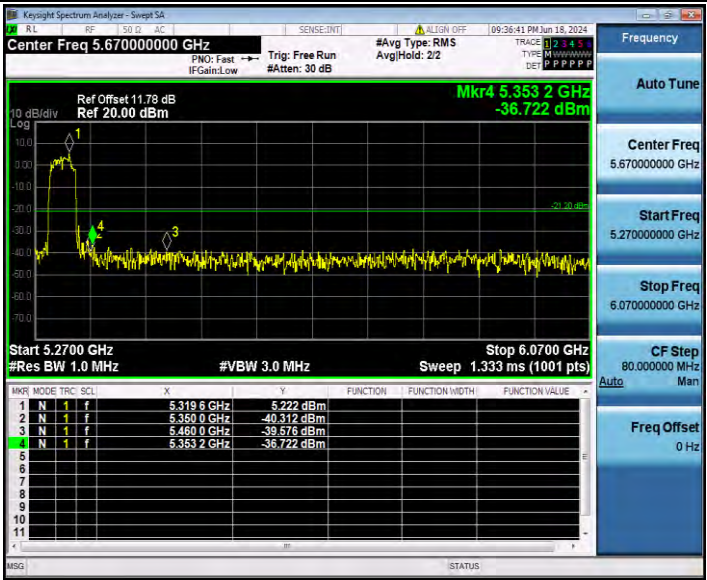
11AC40SISO_Ant1_Low_5270_AV



11AC40SISO_Ant1_Low_5270_Peak



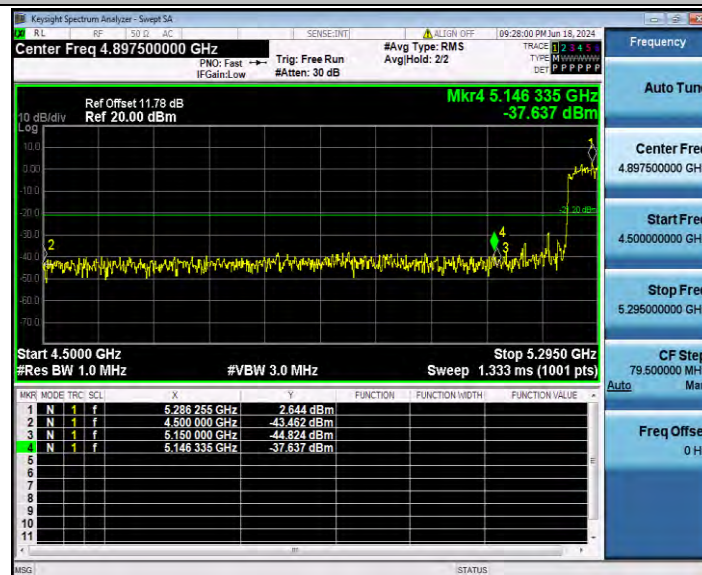
11AC40SISO_Ant1_High_5310_Peak



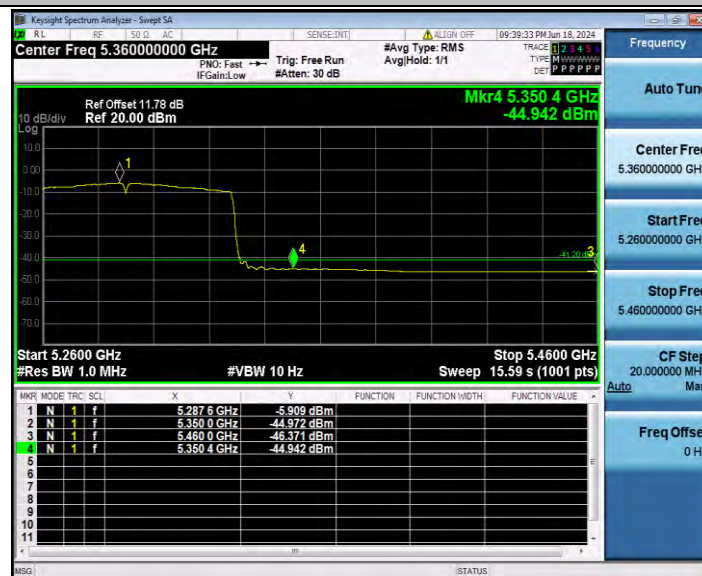
11AC80SISO_Ant1_Low_5290_AV



11AC80SISO_Ant1_Low_5290_Peak



11AC80SISO_Ant1_High_5290_AV



11AC80SISO_Ant1_High_5290_Peak

