

Appendix E.7: Conducted Spurious Emission

Test Result

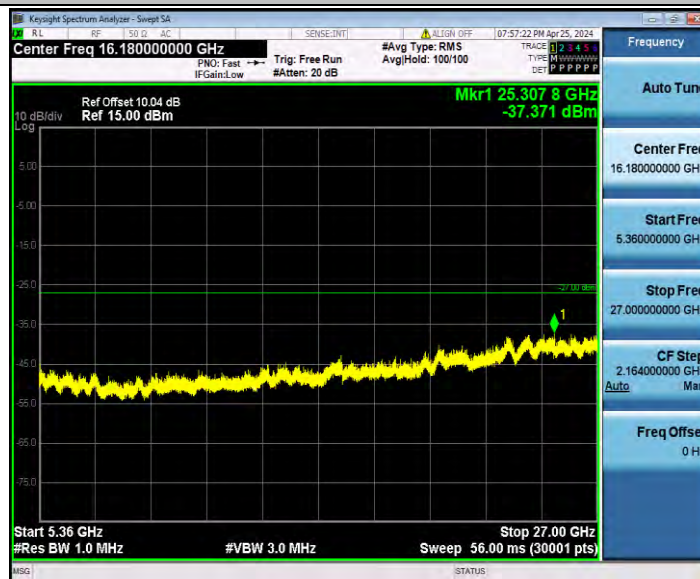
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	30~5140	4208.62	-44.84	≤-27	PASS
			5360~27000	25307.75	-37.37	≤-27	PASS
		5280	30~5140	4988.4	-45.55	≤-27	PASS
			5360~27000	24283.46	-36.64	≤-27	PASS
		5320	30~5140	2648.7	-46.8	≤-27	PASS
			5360~27000	25654.71	-37.54	≤-27	PASS
11N20SISO	Ant1	5260	30~5140	829.54	-42.23	≤-27	PASS
			5360~27000	24784.79	-37.5	≤-27	PASS
		5280	30~5140	4999.13	-46.96	≤-27	PASS
			5360~27000	24998.3	-36.33	≤-27	PASS
		5320	30~5140	3042.52	-46.94	≤-27	PASS
			5360~27000	25601.33	-37.65	≤-27	PASS
11N40SISO	Ant1	5270	30~5140	5004.93	-45.78	≤-27	PASS
			5360~27000	26684.06	-36.28	≤-27	PASS
		5310	30~5140	2635.76	-46.46	≤-27	PASS
			5360~27000	23604.68	-37.64	≤-27	PASS
11AC20SISO	Ant1	5260	30~5140	833.97	-44.73	≤-27	PASS
			5360~27000	26988.46	-37.07	≤-27	PASS
		5280	30~5140	829.89	-40.1	≤-27	PASS
			5360~27000	24276.97	-36.89	≤-27	PASS
		5320	30~5140	828.35	-42.75	≤-27	PASS
			5360~27000	26093.28	-37.22	≤-27	PASS
11AC40SISO	Ant1	5270	30~5140	4994.37	-45.77	≤-27	PASS
			5360~27000	24240.18	-37.39	≤-27	PASS
		5310	30~5140	4893.36	-45.96	≤-27	PASS
			5360~27000	24320.25	-37.15	≤-27	PASS
11AC80SISO	Ant1	5290	30~5140	825.12	-37.69	≤-27	PASS
			5360~27000	5360.72	-33.7	≤-27	PASS

Test Graphs

11A_Ant1_5260_30~5140



11A_Ant1_5260_5360~27000



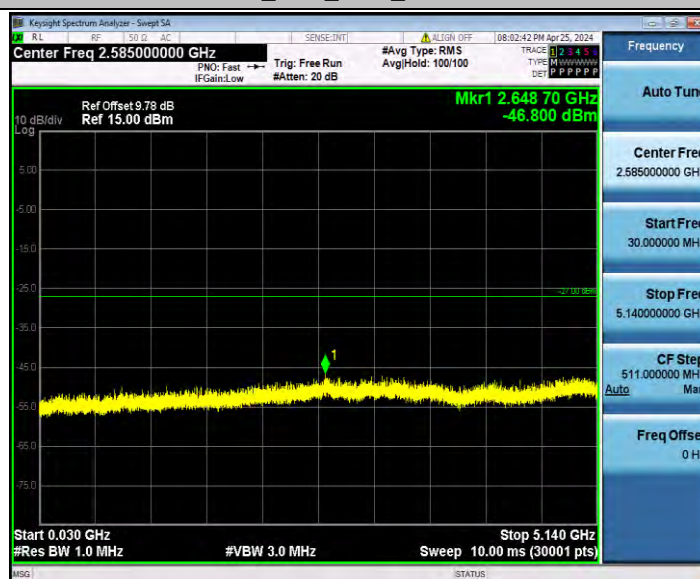
11A_Ant1_5280_30~5140



11A_Ant1_5280_5360~27000



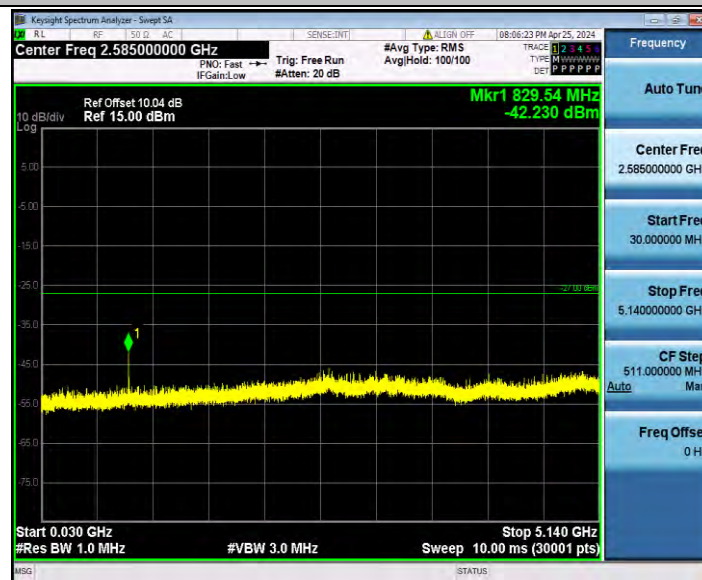
11A_Ant1_5320_30~5140



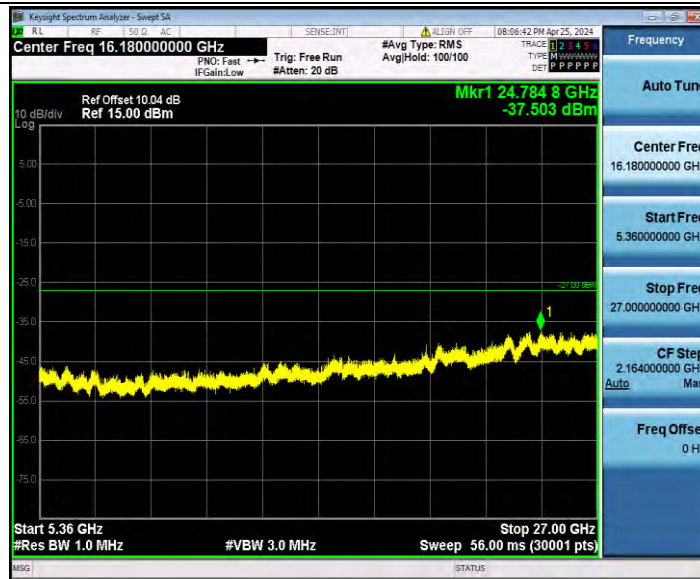
11A_Ant1_5320_5360~27000



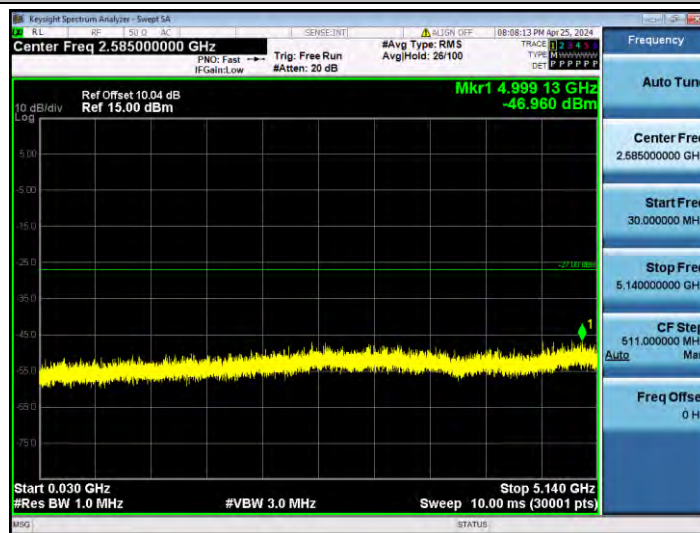
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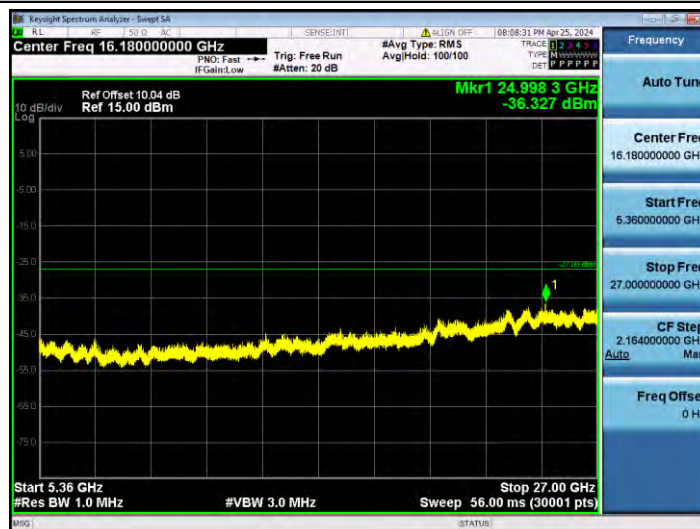
11N20SISO_Ant1_5260_5360~27000



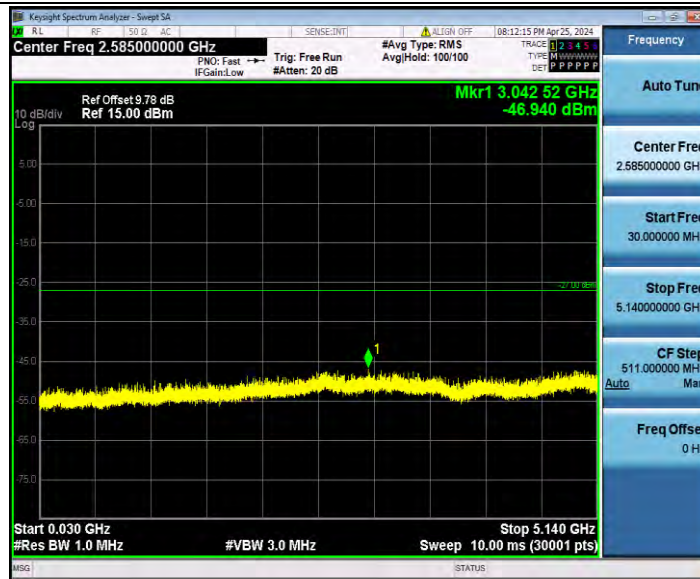
11N20SISO_Ant1_5280_30~5140



11N20SISO_Ant1_5280_5360~27000



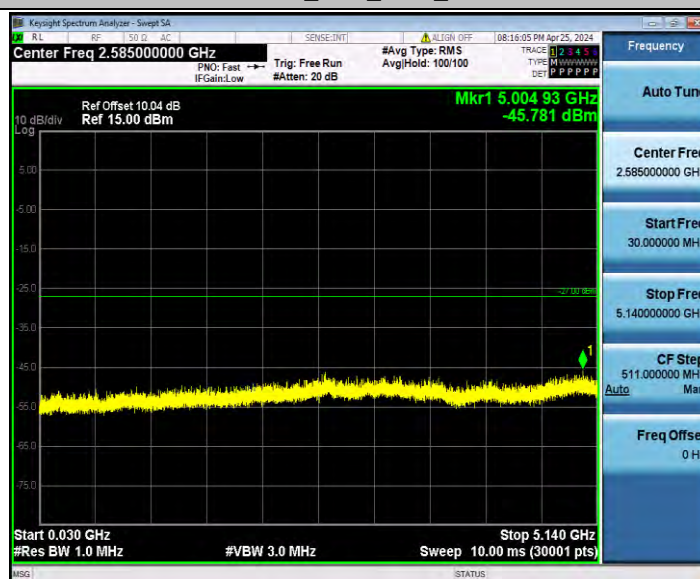
11N20SISO_Ant1_5320_30~5140



11N20SISO_Ant1_5320_5360~27000



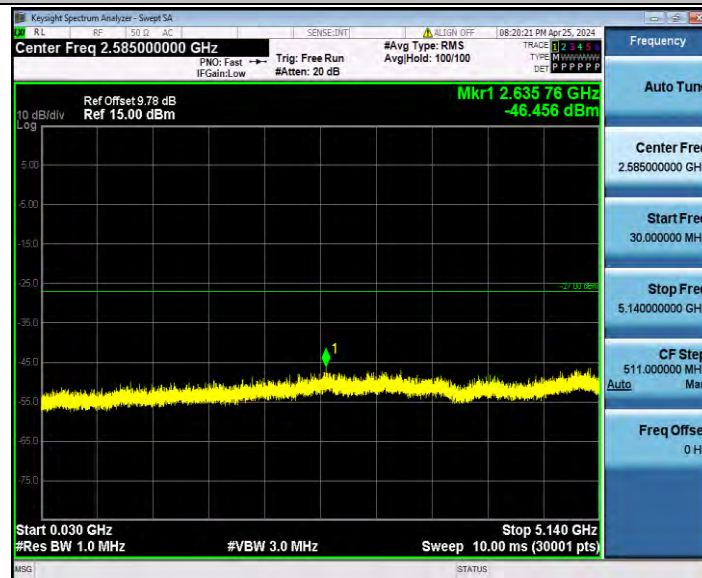
11N40SISO_Ant1_5270_30~5140



11N40SISO_Ant1_5270_5360~27000



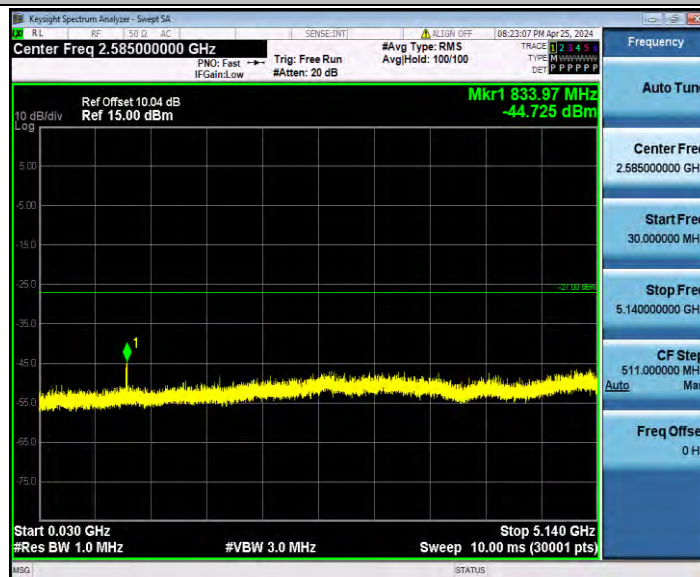
11N40SISO_Ant1_5310_30~5140



11N40SISO_Ant1_5310_5360~27000



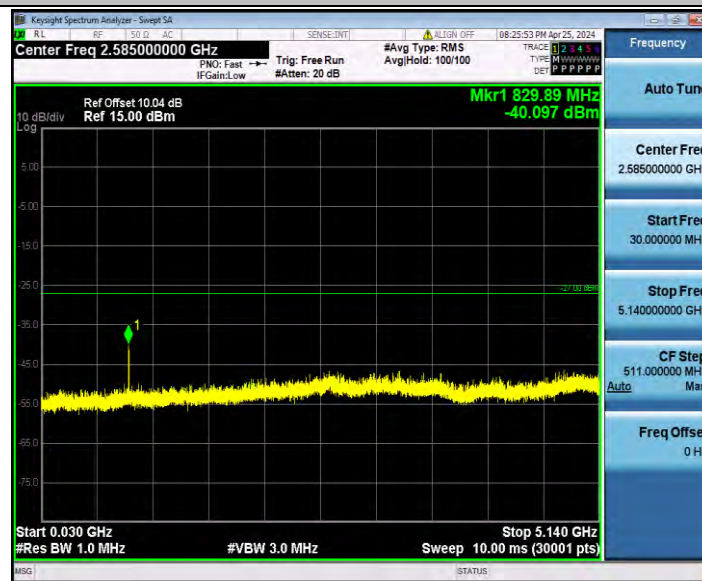
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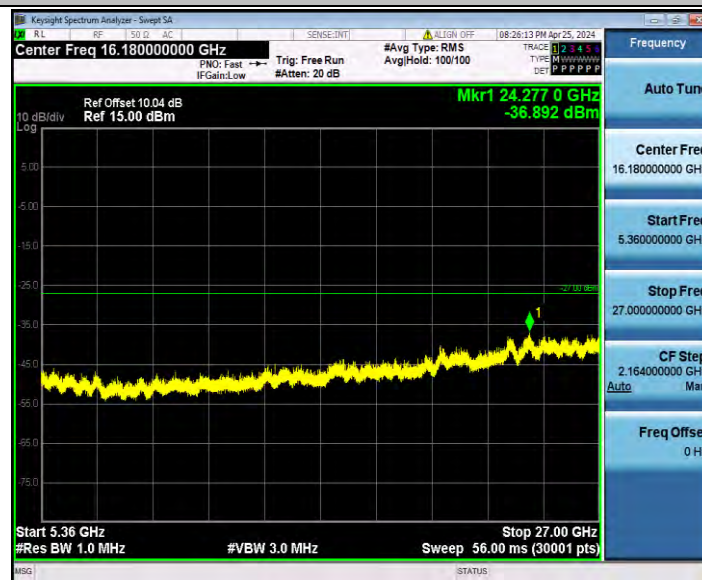
11AC20SISO_Ant1_5260_5360~27000



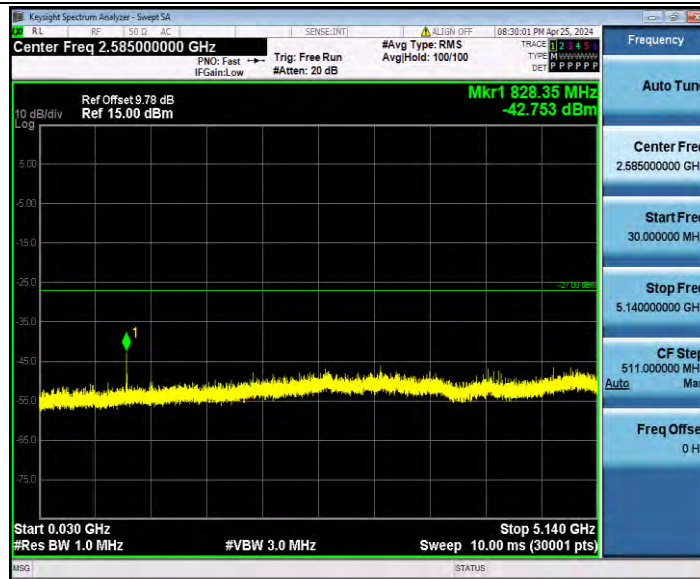
11AC20SISO_Ant1_5280_30~5140



11AC20SISO_Ant1_5280_5360~27000



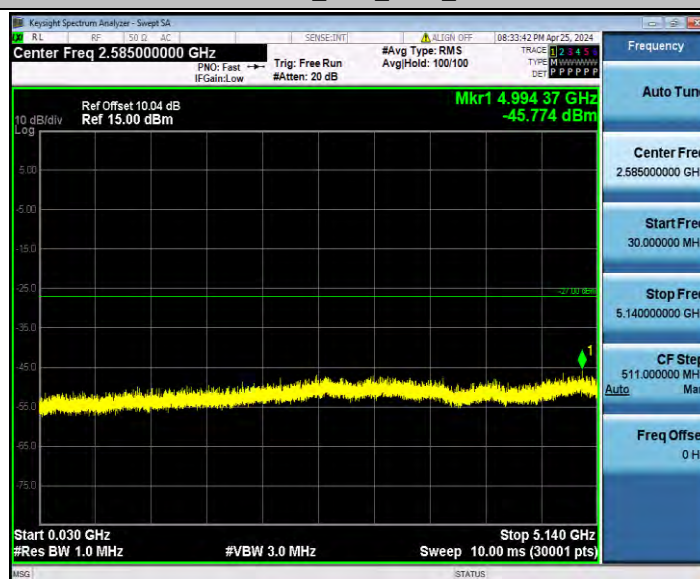
11AC20SISO_Ant1_5320_30~5140

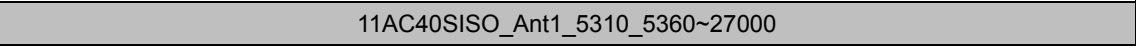
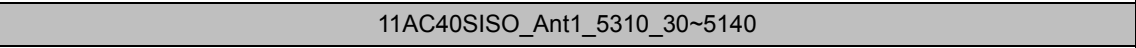


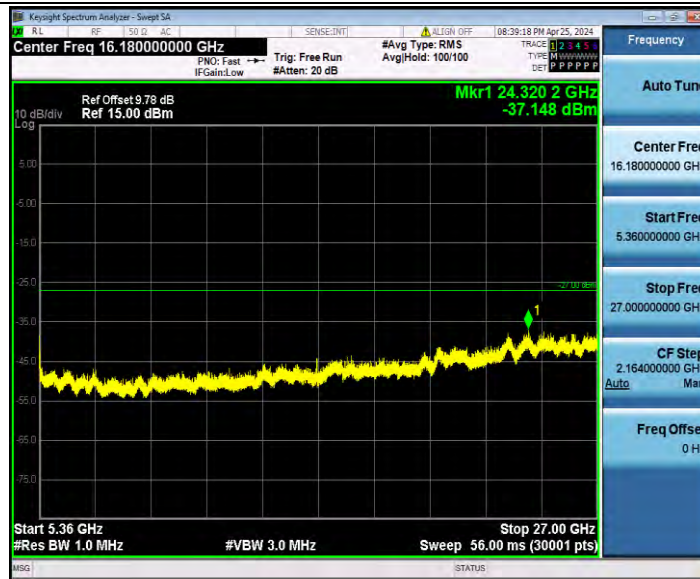
11AC20SISO_Ant1_5320_5360~27000



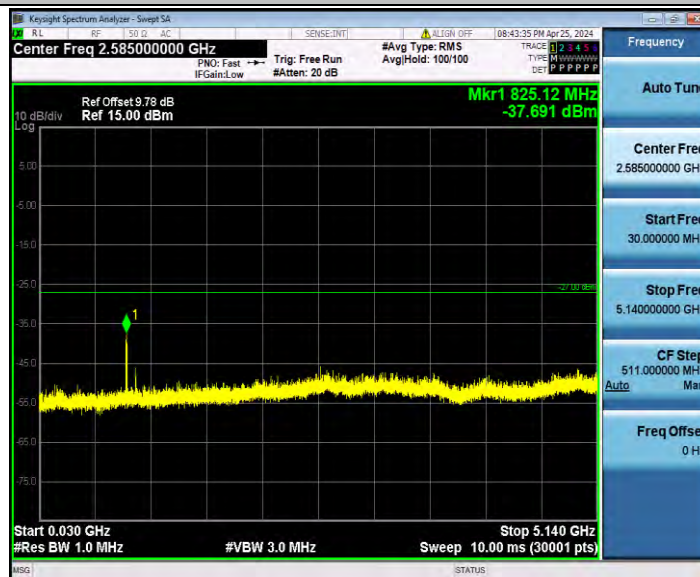
11AC40SISO_Ant1_5270_30~5140







11AC80SISO_Ant1_5290_30~5140



11AC80SISO_Ant1_5290_5360~27000



Appendix E.8: Emissions in Restricted Bands

Test Result

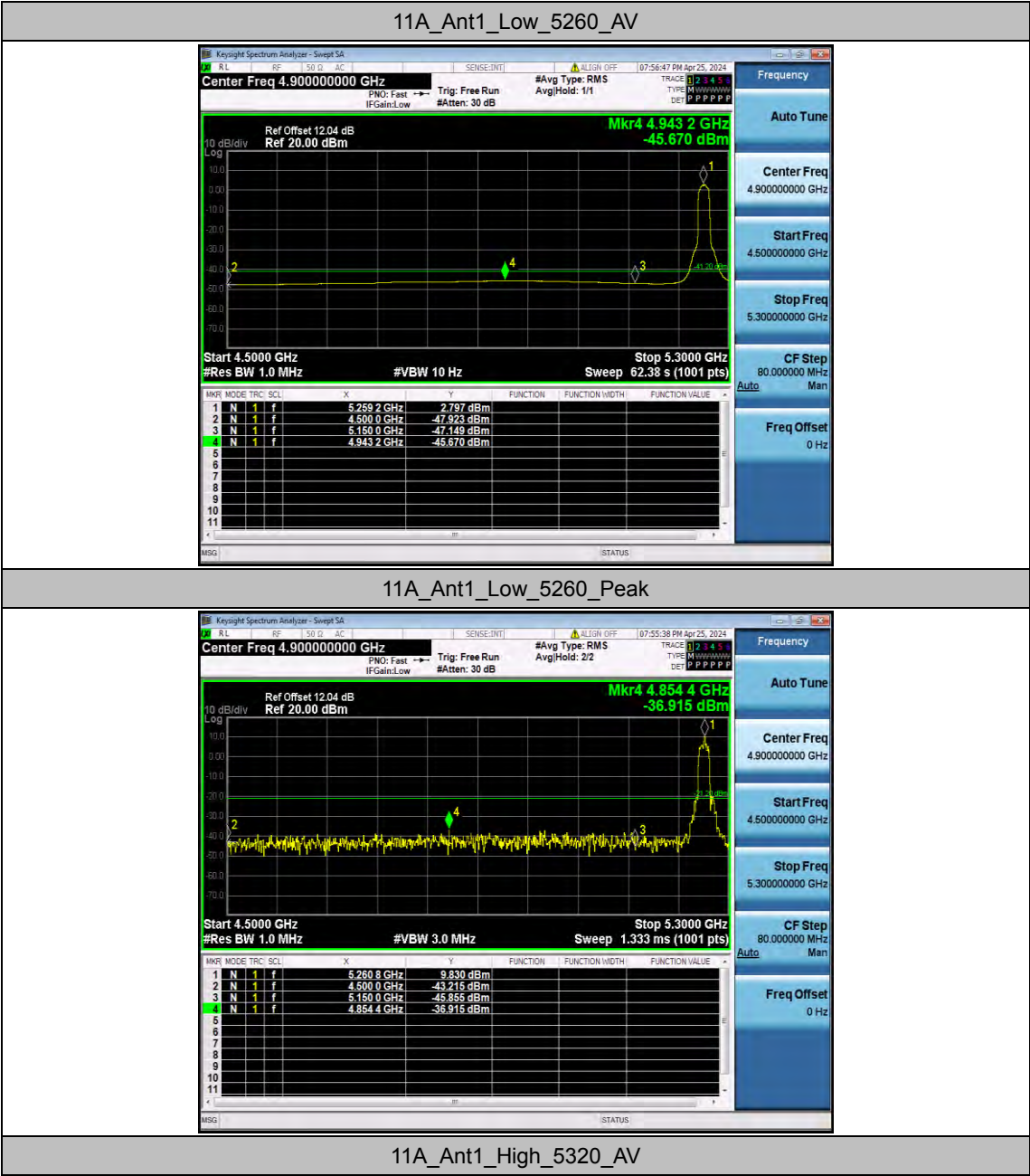
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5260	AV	4500.000	-47.92	≤-41.20	47.28	≤54	PASS
				AV	4943.200	-45.67	≤-41.20	49.53	≤54	PASS
				AV	5150.000	-47.15	≤-41.20	48.05	≤54	PASS
				Peak	4500.000	-43.22	≤-21.20	51.98	≤74	PASS
				Peak	4854.400	-36.91	≤-21.20	58.29	≤74	PASS
				Peak	5150.000	-45.86	≤-21.20	49.34	≤74	PASS
		High	5320	AV	5350.000	-46.94	≤-41.20	48.26	≤54	PASS
				AV	5453.600	-46.42	≤-41.20	48.78	≤54	PASS
				AV	5460.000	-46.44	≤-41.20	48.76	≤54	PASS
				Peak	5350.000	-44.72	≤-21.20	50.48	≤74	PASS
				Peak	5413.600	-38.85	≤-21.20	56.35	≤74	PASS
				Peak	5460.000	-39.29	≤-21.20	55.91	≤74	PASS
11N20SIS O	Ant1	Low	5260	AV	4500.000	-47.95	≤-41.20	47.25	≤54	PASS
				AV	4944.800	-45.64	≤-41.20	49.56	≤54	PASS
				AV	5150.000	-47.14	≤-41.20	48.06	≤54	PASS
				Peak	4500.000	-44.73	≤-21.20	50.47	≤74	PASS
				Peak	4922.400	-37.98	≤-21.20	57.22	≤74	PASS
				Peak	5150.000	-44.25	≤-21.20	50.95	≤74	PASS
		High	5320	AV	5350.000	-46.9	≤-41.20	48.30	≤54	PASS
				AV	5456.800	-46.5	≤-41.20	48.70	≤54	PASS
				AV	5460.000	-46.52	≤-41.20	48.68	≤54	PASS
				Peak	5350.000	-43.01	≤-21.20	52.19	≤74	PASS
				Peak	5449.600	-39.39	≤-21.20	55.81	≤74	PASS
				Peak	5460.000	-45.11	≤-21.20	50.09	≤74	PASS
11N40SIS O	Ant1	Low	5270	AV	4500.000	-48.01	≤-41.20	47.19	≤54	PASS
				AV	4943.190	-45.72	≤-41.20	49.48	≤54	PASS
				AV	5150.000	-47.22	≤-41.20	47.98	≤54	PASS
				Peak	4500.000	-44.51	≤-21.20	50.69	≤74	PASS
				Peak	4755.170	-37.82	≤-21.20	57.38	≤74	PASS
				Peak	5150.000	-46.04	≤-21.20	49.16	≤74	PASS
		High	5310	AV	5350.000	-45.7	≤-41.20	49.50	≤54	PASS
				AV	5460.000	-46.49	≤-41.20	48.71	≤54	PASS
				Peak	5350.000	-39.76	≤-21.20	55.44	≤74	PASS
				Peak	5350.800	-37.42	≤-21.20	57.78	≤74	PASS
				Peak	5460.000	-42.52	≤-21.20	52.68	≤74	PASS
11AC20SI	Ant1	Low	5260	AV	4500.000	-1000	≤-41.20	-904.80	≤54	PASS

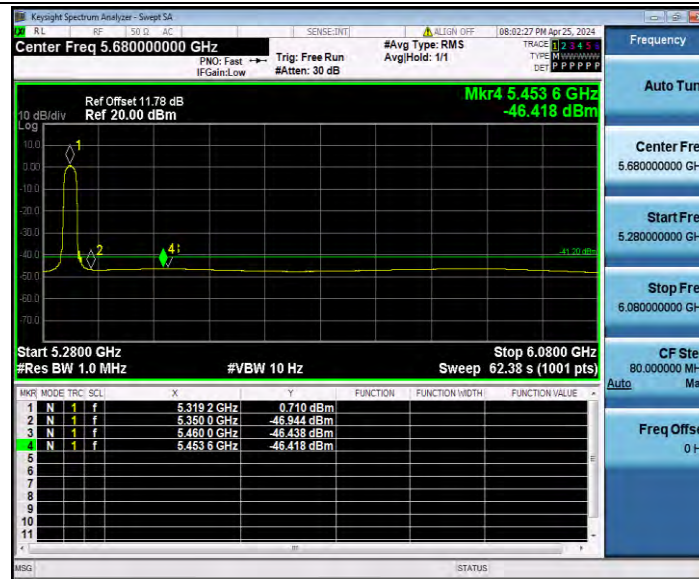
SO				AV	5150.000	-1000	≤ -41.20	-904.80	≤ 54	PASS
				Peak	4500.000	-48.08	≤ -21.20	47.12	≤ 74	PASS
				Peak	4817.600	-37.24	≤ -21.20	57.96	≤ 74	PASS
				Peak	5150.000	-40.66	≤ -21.20	54.54	≤ 74	PASS
		High	5320	AV	5350.000	-46.77	≤ -41.20	48.43	≤ 54	PASS
				AV	5456.000	-46.49	≤ -41.20	48.71	≤ 54	PASS
				AV	5460.000	-46.5	≤ -41.20	48.70	≤ 54	PASS
				Peak	5350.000	-46.42	≤ -21.20	48.78	≤ 74	PASS
				Peak	5447.200	-38.82	≤ -21.20	56.38	≤ 74	PASS
				Peak	5460.000	-43.58	≤ -21.20	51.62	≤ 74	PASS
11AC40SI SO	Ant1	Low	5270	AV	4500.000	-48.02	≤ -41.20	47.18	≤ 54	PASS
				AV	4943.190	-45.73	≤ -41.20	49.47	≤ 54	PASS
				AV	5150.000	-47.2	≤ -41.20	48.00	≤ 54	PASS
				Peak	4500.000	-43.93	≤ -21.20	51.27	≤ 74	PASS
				Peak	4890.260	-36.75	≤ -21.20	58.45	≤ 74	PASS
				Peak	5150.000	-42.72	≤ -21.20	52.48	≤ 74	PASS
		High	5310	AV	5350.000	-44.66	≤ -41.20	50.54	≤ 54	PASS
				AV	5460.000	-46.5	≤ -41.20	48.70	≤ 54	PASS
				Peak	5350.000	-42.5	≤ -21.20	52.70	≤ 74	PASS
				Peak	5355.600	-34.09	≤ -21.20	61.11	≤ 74	PASS
				Peak	5460.000	-46.19	≤ -21.20	49.01	≤ 74	PASS
11AC80SI SO	Ant1	Low	5290	AV	4500.000	-48.26	≤ -41.20	46.94	≤ 54	PASS
				AV	4944.405	-45.97	≤ -41.20	49.23	≤ 54	PASS
				AV	5150.000	-47.39	≤ -41.20	47.81	≤ 54	PASS
				Peak	4500.000	-44.33	≤ -21.20	50.87	≤ 74	PASS
				Peak	4881.600	-37.17	≤ -21.20	58.03	≤ 74	PASS
				Peak	5150.000	-44.03	≤ -21.20	51.17	≤ 74	PASS
		High	5290	AV	5350.000	-44.24	≤ -41.20	50.96	≤ 54	PASS
				AV	5350.200	-44.21	≤ -41.20	50.99	≤ 54	PASS
				AV	5460.000	-46.5	≤ -41.20	48.70	≤ 54	PASS
				Peak	5350.000	-38.84	≤ -21.20	56.36	≤ 74	PASS
				Peak	5375.200	-33	≤ -21.20	62.20	≤ 74	PASS
				Peak	5460.000	-45.71	≤ -21.20	49.49	≤ 74	PASS

Note:

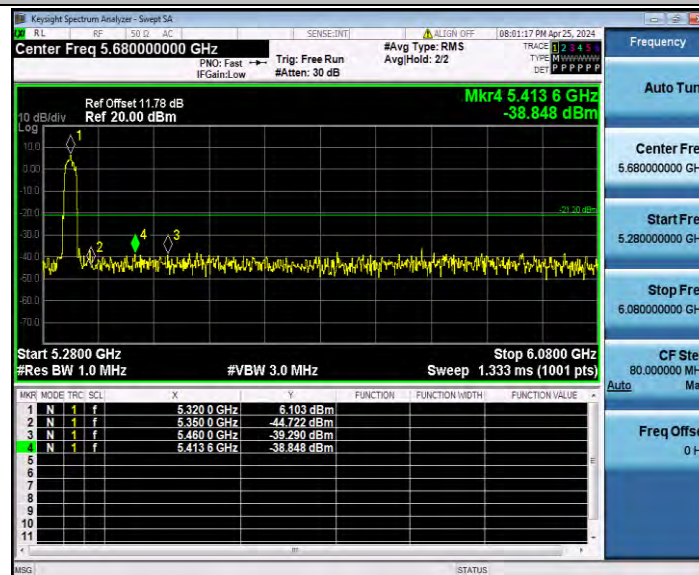
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm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

Test Graphs

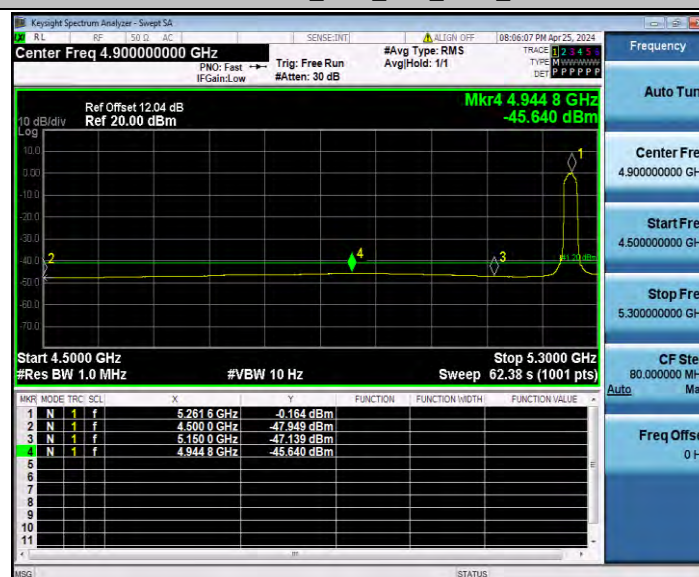




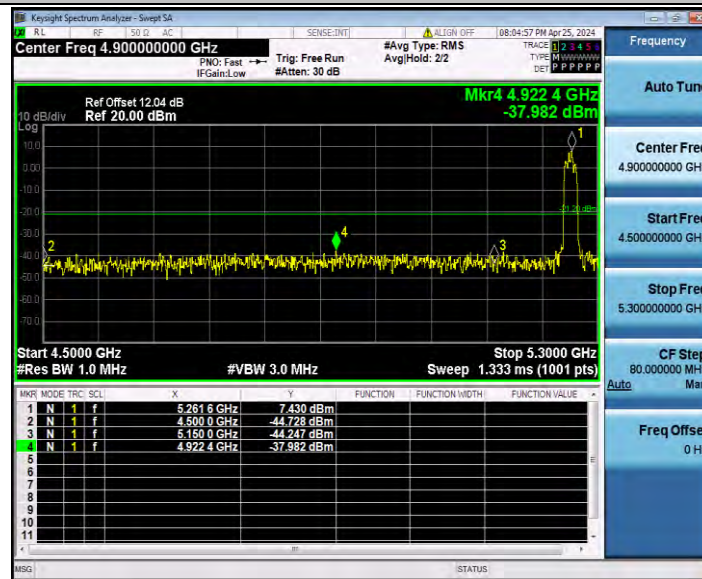
11A_Ant1_High_5320_Peak



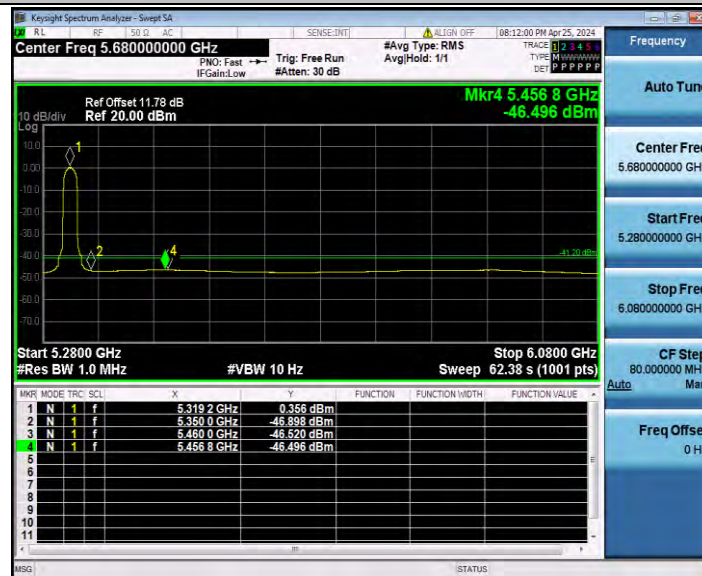
11N20SISO_Ant1_Low_5260_AV



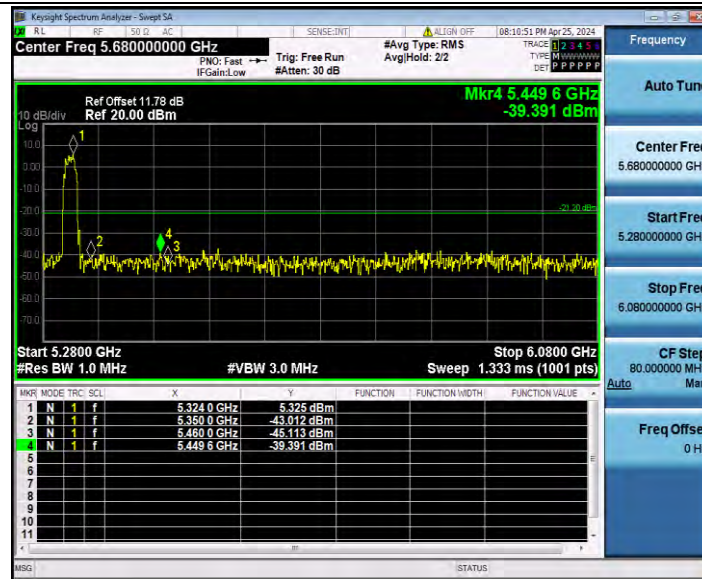
11N20SISO_Ant1_Low_5260_Peak



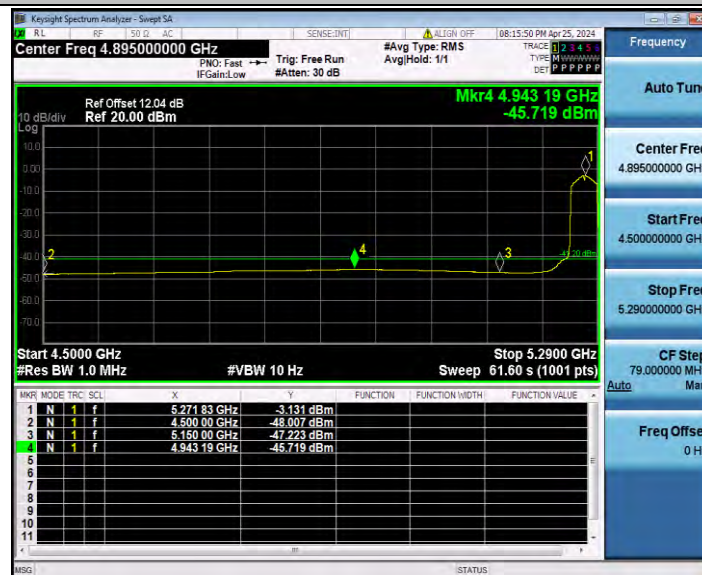
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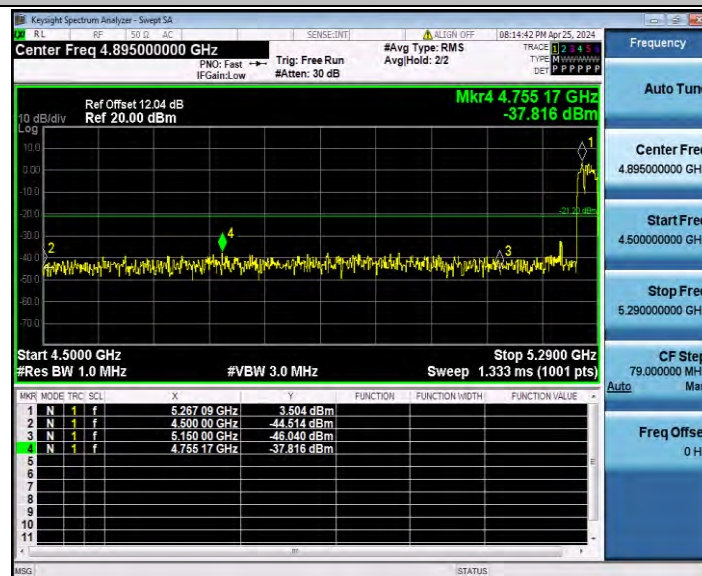
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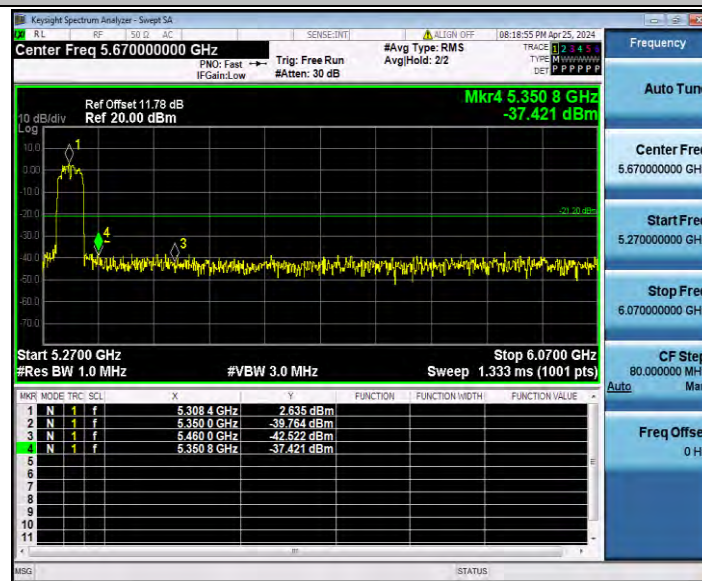
11N40SISO_Ant1_Low_5270_AV



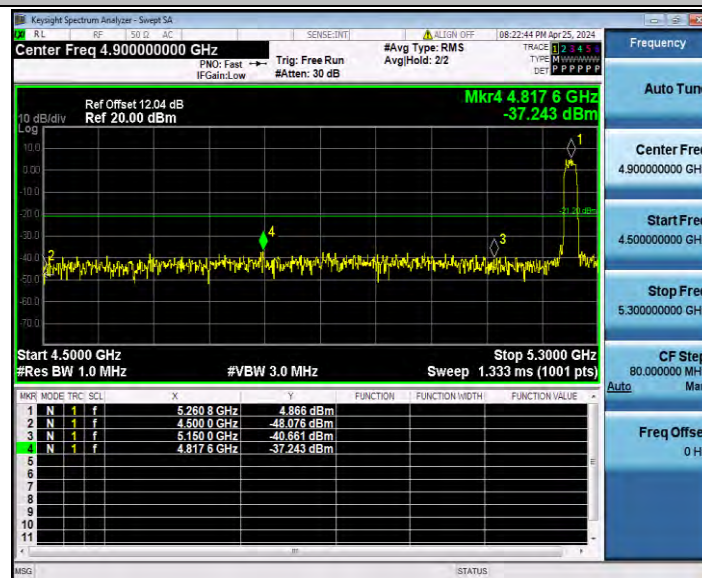
11N40SISO_Ant1_Low_5270_Peak



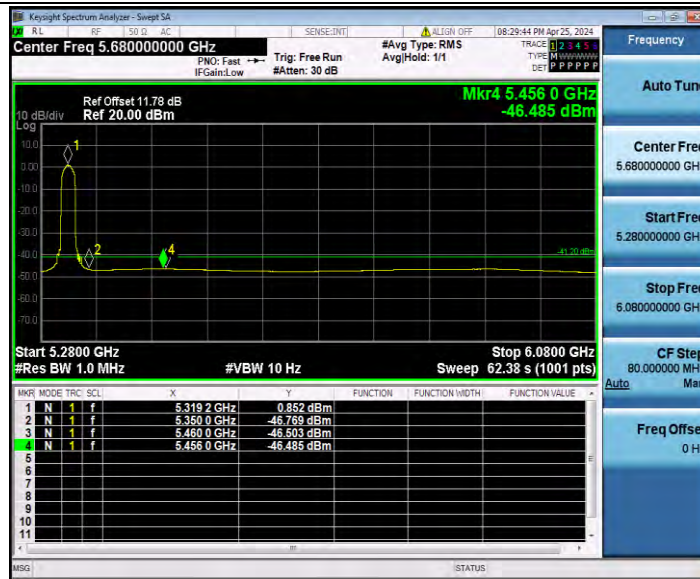
11N40SISO_Ant1_High_5310_Peak



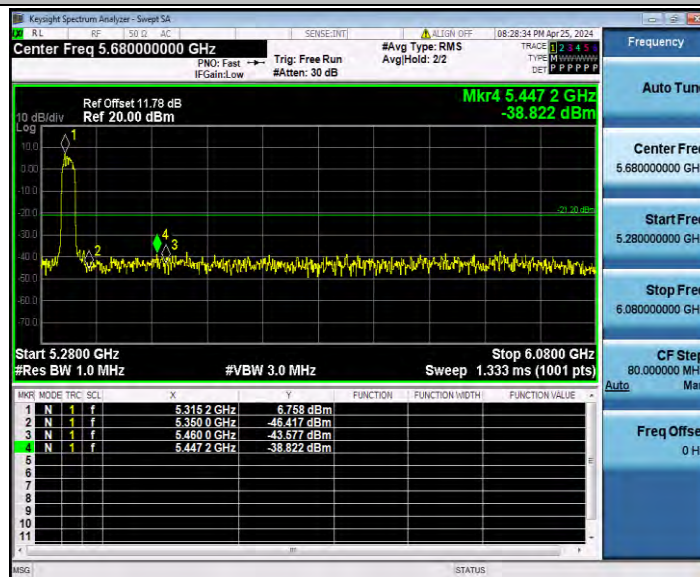
11AC20SISO_Ant1_Low_5260_Peak



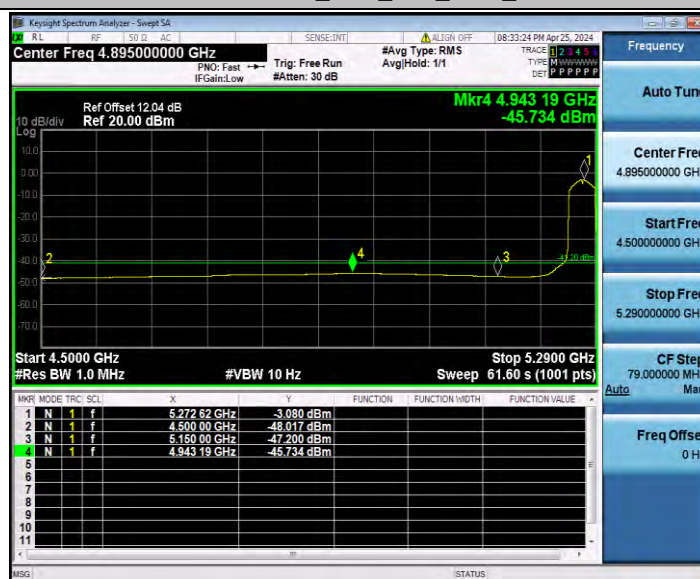
11AC20SISO_Ant1_High_5320_AV



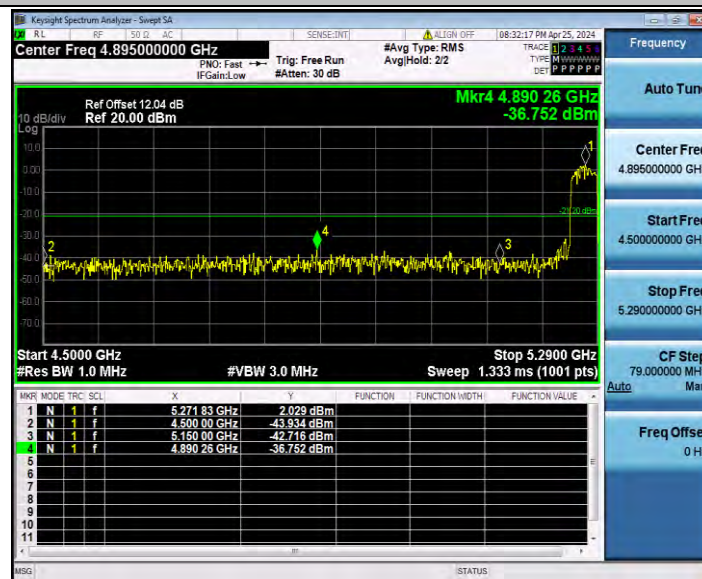
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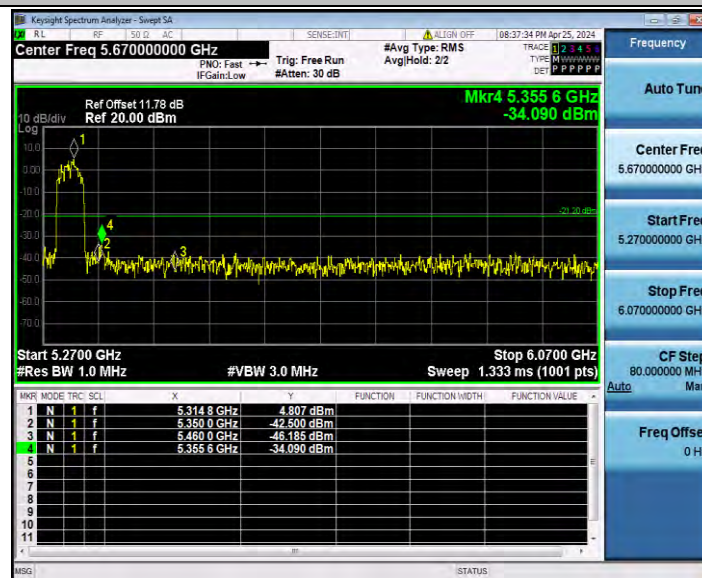
11AC40SISO_Ant1_Low_5270_AV



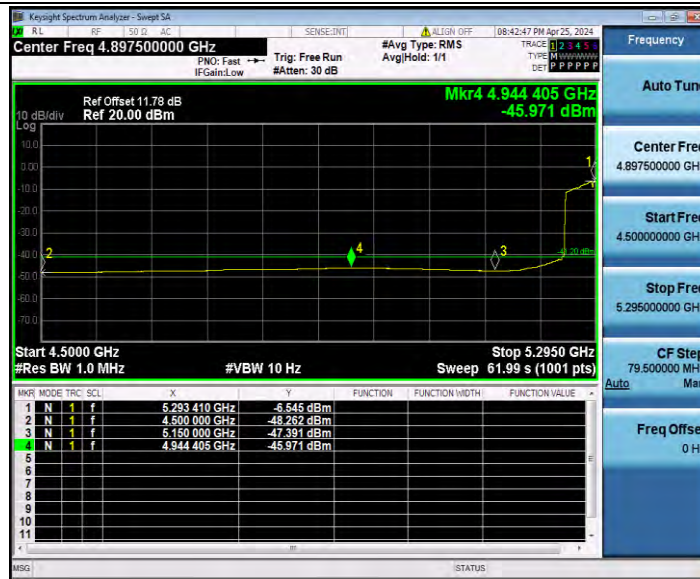
11AC40SISO_Ant1_Low_5270_Peak



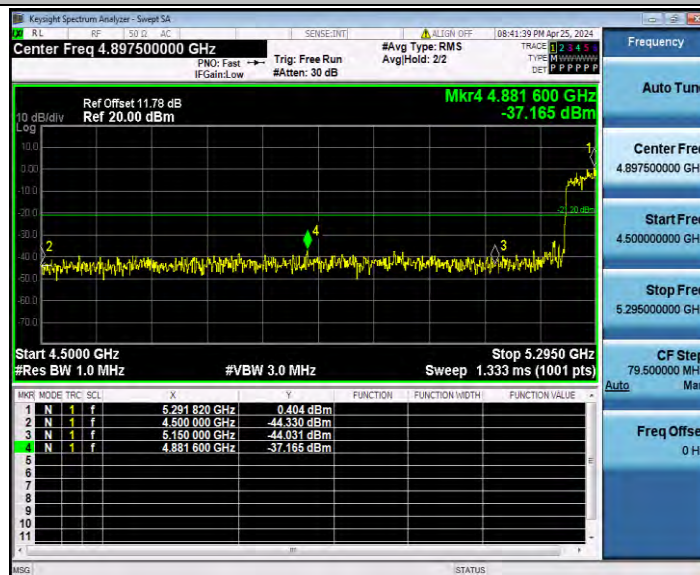
11AC40SISO_Ant1_High_5310_Peak



11AC80SISO_Ant1_Low_5290_AV



11AC80SISO_Ant1_Low_5290_Peak



11AC80SISO_Ant1_High_5290_AV



11AC80SISO_Ant1_High_5290_Peak

