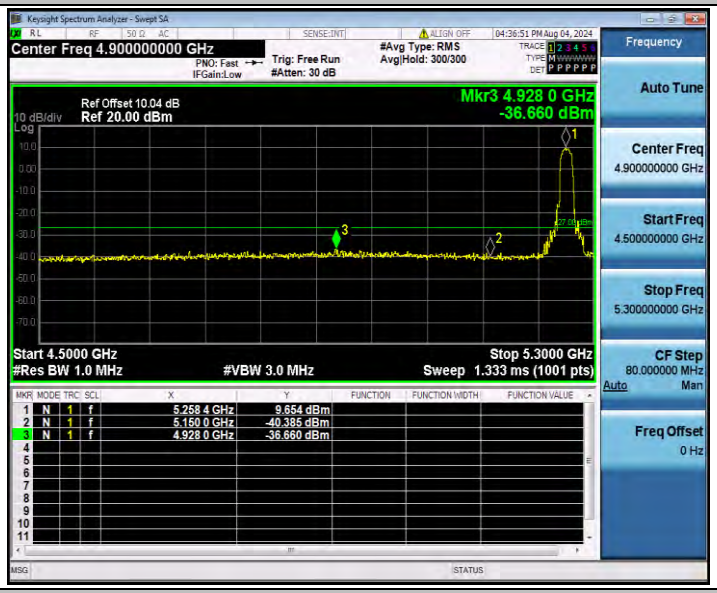
Appendix E.6: Band edge measurements

Test Result B2

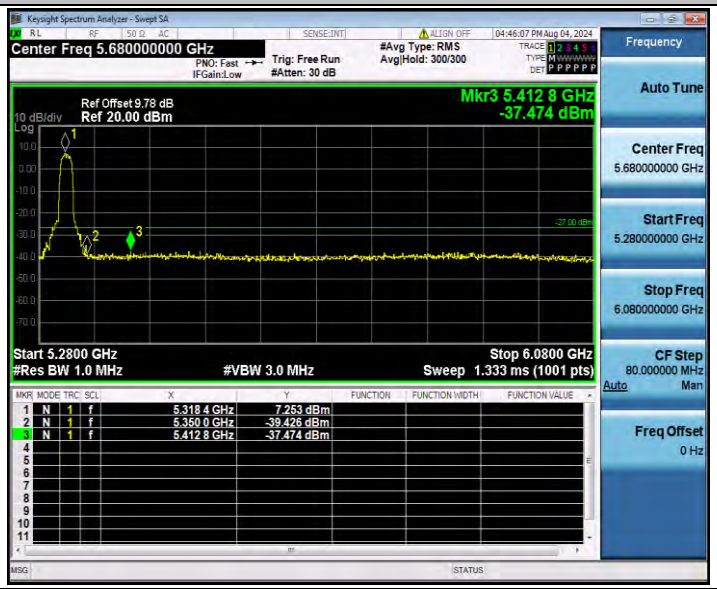
TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5260	-36.66	≤-27	PASS
		High	5320	-37.47	≤-27	PASS
11N20SISO	Ant1	Low	5260	-37.19	≤-27	PASS
		High	5320	-37.64	≤-27	PASS
11N40SISO	Ant1	Low	5270	-37.34	≤-27	PASS
		High	5310	-36.42	≤-27	PASS
11AC20SISO	Ant1	Low	5260	-37.09	≤-27	PASS
		High	5320	-37.84	≤-27	PASS
11AC40SISO	Ant1	Low	5270	-36.91	≤-27	PASS
		High	5310	-35.44	≤-27	PASS
11AC80SISO	Ant1	Low	5290	-37	≤-27	PASS
		High	5290	-28.74	≤-27	PASS

Test Graphs B2

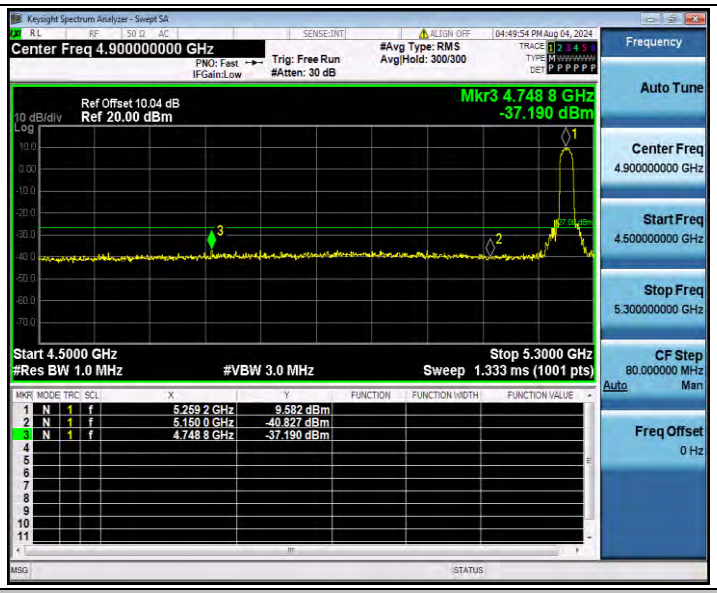
11A_Ant1_Low_5260



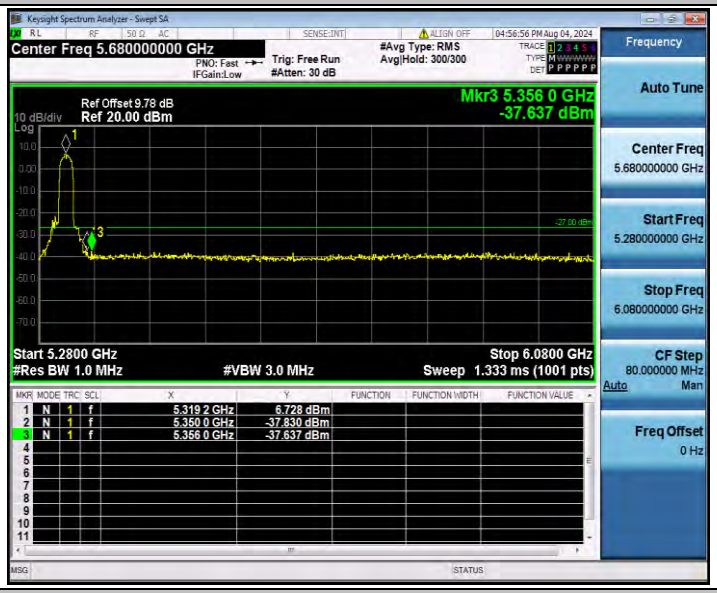
11A_Ant1_High_5320



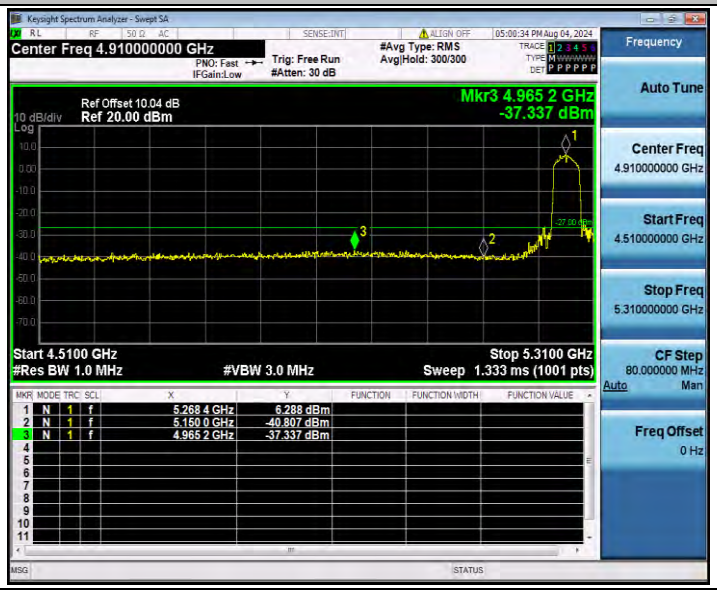
11N20SISO_Ant1_Low_5260



11N20SISO_Ant1_High_5320

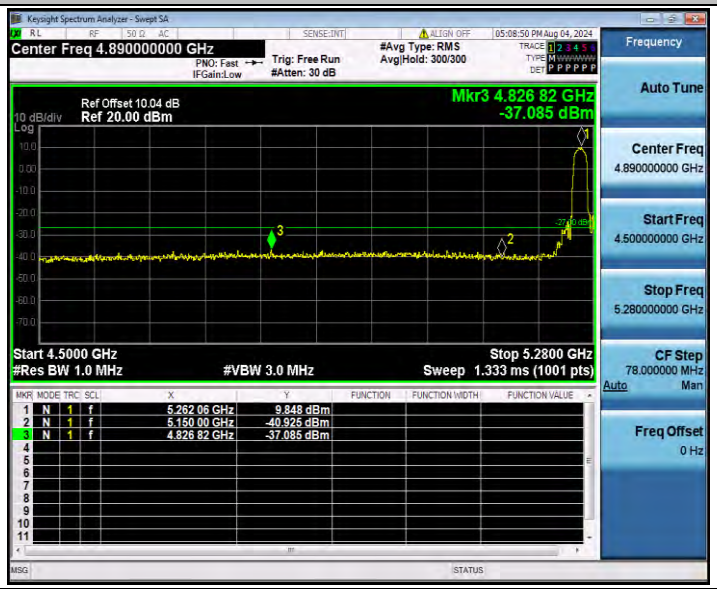


11N40SISO_Ant1_Low_5270

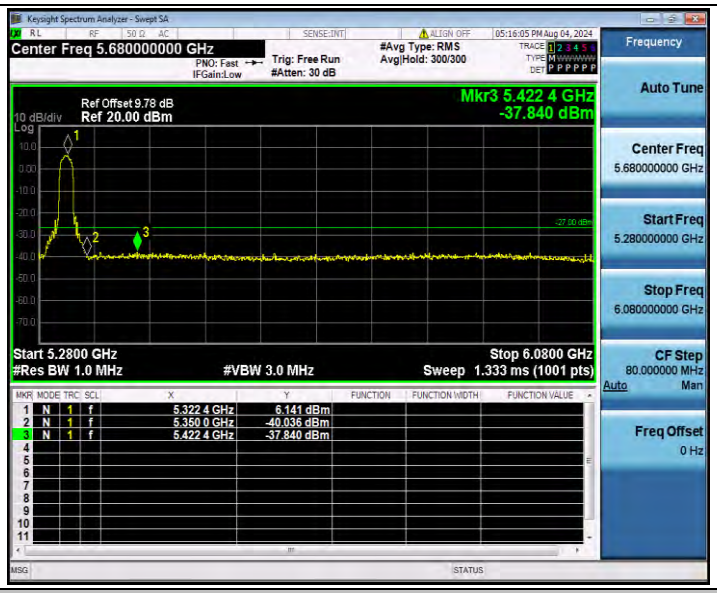


11N40SISO_Ant1_High_5310

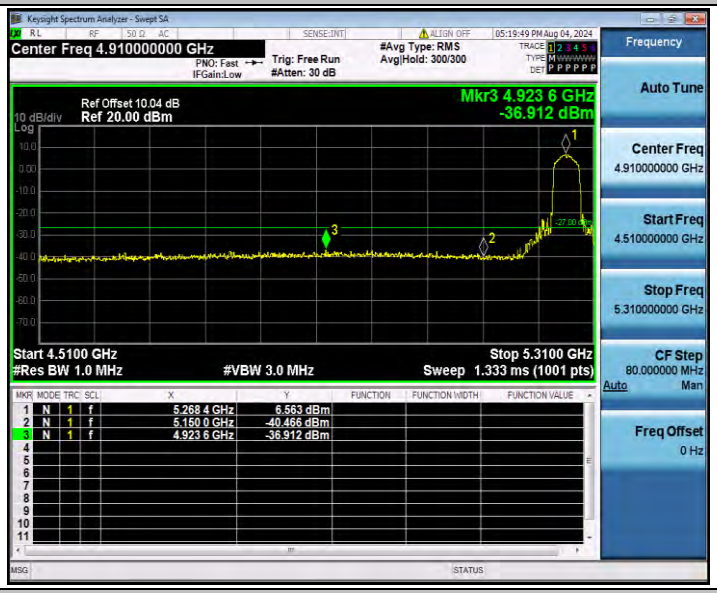
11AC20SISO_Ant1_Low_5260



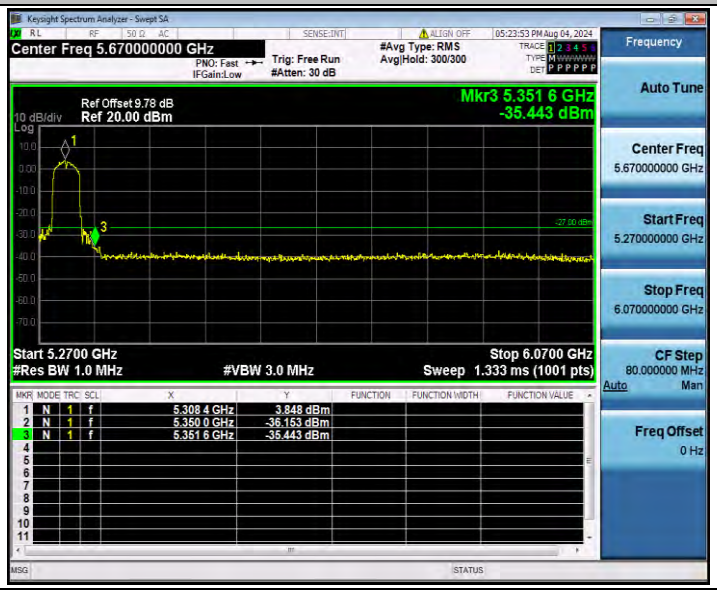
11AC20SISO_Ant1_High_5320

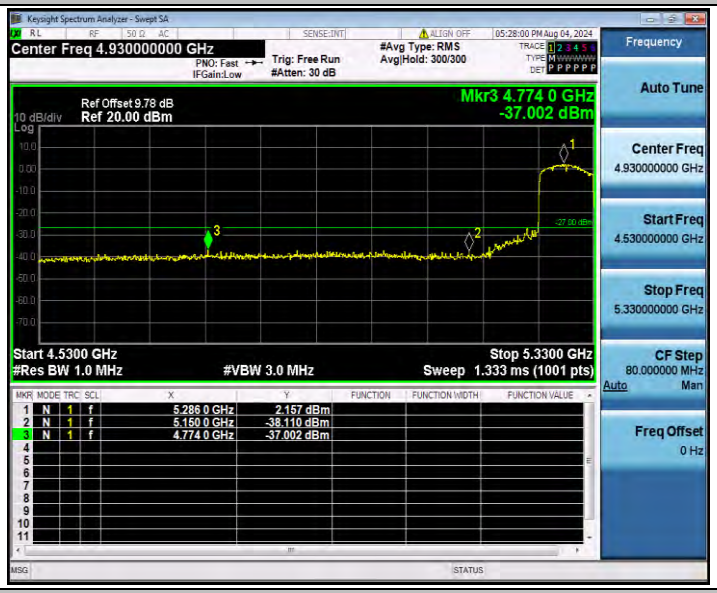


11AC40SISO_Ant1_Low_5270



11AC40SISO_Ant1_High_5310



11AC80SISO_Ant1_Low_5290


11AC80SISO_Ant1_High_5290

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	1744.41	-37.61	≤-27	PASS
			5360~27000	24157.95	-36.27	≤-27	PASS
		5280	30~5140	1736.91	-40.51	≤-27	PASS
			5360~27000	24777.57	-37.07	≤-27	PASS
		5320	30~5140	1743.89	-38.74	≤-27	PASS
			5360~27000	25570.32	-36.35	≤-27	PASS
11N20SISO	Ant1	5260	30~5140	1742.19	-33.93	≤-27	PASS
			5360~27000	24033.16	-36.25	≤-27	PASS
		5280	30~5140	2994.48	-46.53	≤-27	PASS
			5360~27000	26899.01	-36.94	≤-27	PASS
		5320	30~5140	2713.26	-46.51	≤-27	PASS
			5360~27000	25537.14	-36.25	≤-27	PASS
11N40SISO	Ant1	5270	30~5140	2636.1	-46.83	≤-27	PASS
			5360~27000	24863.41	-37.29	≤-27	PASS
		5310	30~5140	1738.44	-44.51	≤-27	PASS
			5360~27000	23564.29	-37.2	≤-27	PASS
11AC20SISO	Ant1	5260	30~5140	4941.05	-46.18	≤-27	PASS
			5360~27000	26862.23	-36.99	≤-27	PASS
		5280	30~5140	3067.9	-46.38	≤-27	PASS
			5360~27000	24287.79	-37.01	≤-27	PASS
		5320	30~5140	4967.45	-46.93	≤-27	PASS
			5360~27000	26928.59	-37.52	≤-27	PASS
11AC40SISO	Ant1	5270	30~5140	3208.93	-46.26	≤-27	PASS
			5360~27000	26507.33	-36.51	≤-27	PASS
		5310	30~5140	1740.32	-37.08	≤-27	PASS
			5360~27000	24219.98	-37.1	≤-27	PASS
11AC80SISO	Ant1	5290	30~5140	2696.74	-46.13	≤-27	PASS
			5360~27000	5364.33	-33.07	≤-27	PASS

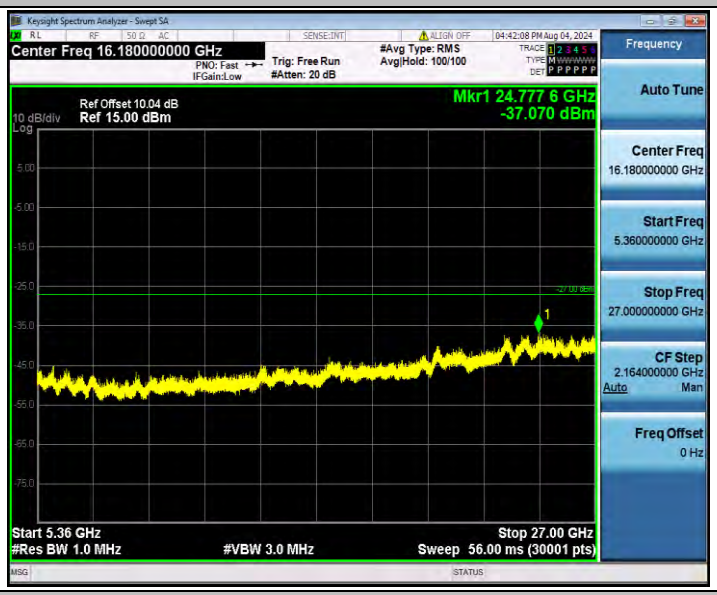
Test Graphs

11A_Ant1_5260_30~5140

11A_Ant1_5260_5360~27000

11A_Ant1_5280_30~5140

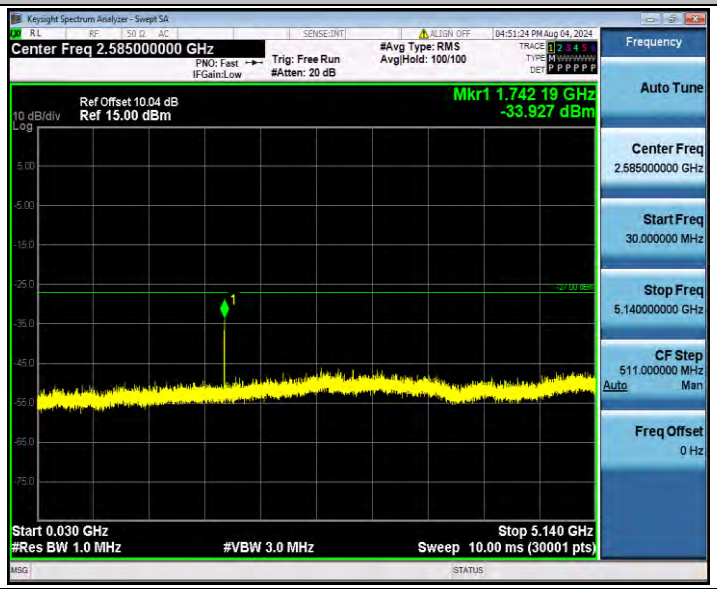
11A_Ant1_5280_5360~27000



11A_Ant1_5320_30~5140

11A_Ant1_5320_5360~27000

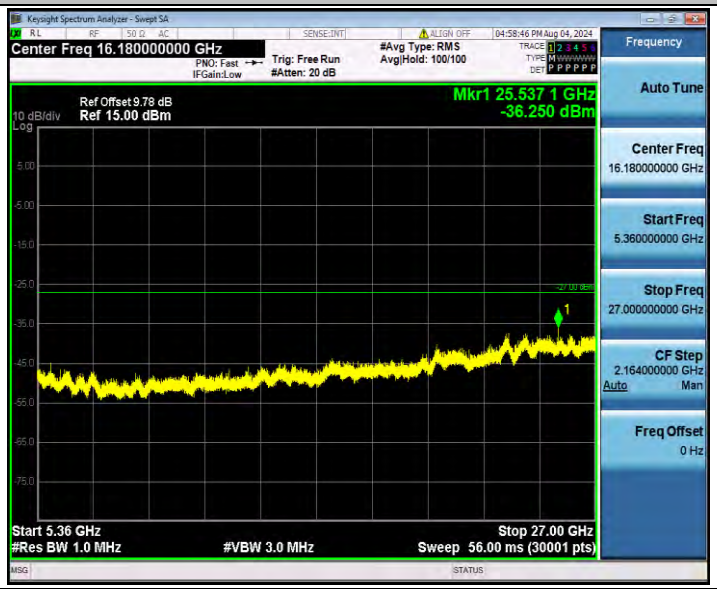
11N20SISO_Ant1_5260_30~5140



11N20SISO_Ant1_5260_5360~27000

11N20SISO_Ant1_5280_30~5140

11N20SISO_Ant1_5280_5360~27000

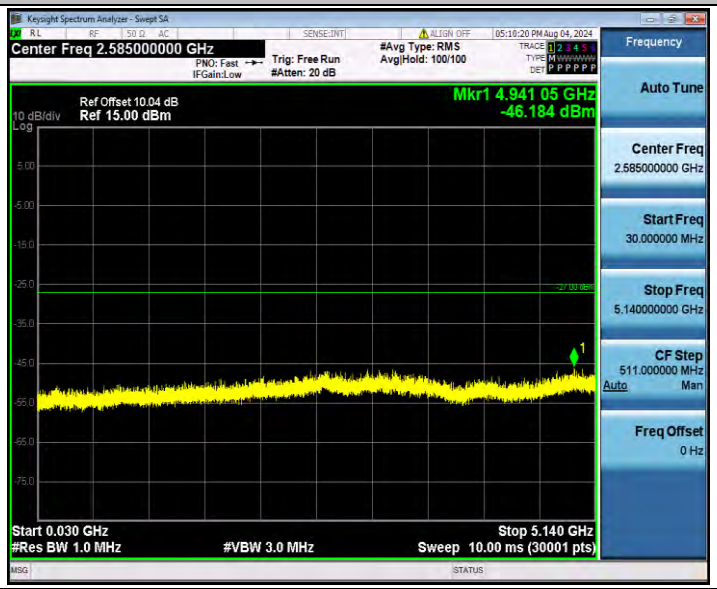
11N20SISO_Ant1_5320_30~5140
11N20SISO_Ant1_5320_5360~27000

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



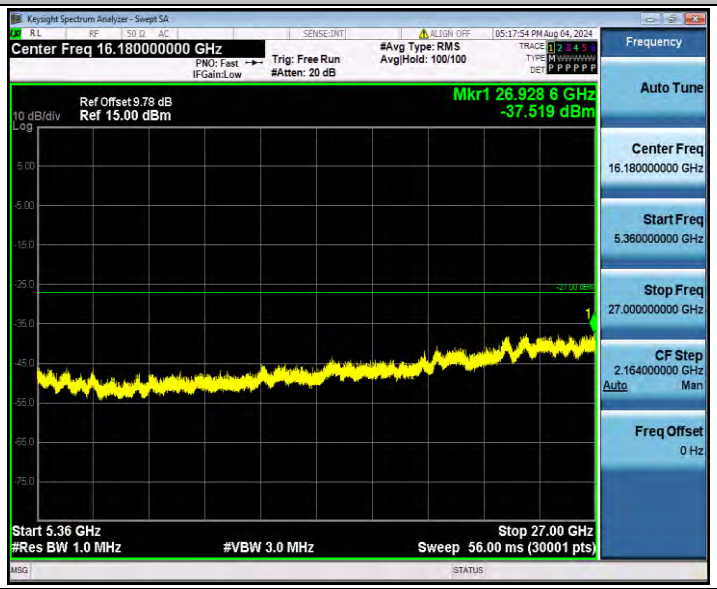
11AC20SISO_Ant1_5260_5360~27000

11AC20SISO_Ant1_5280_30~5140

11AC20SISO_Ant1_5280_5360~27000

11AC20SISO_Ant1_5320_30~5140

11AC20SISO_Ant1_5320_5360~27000



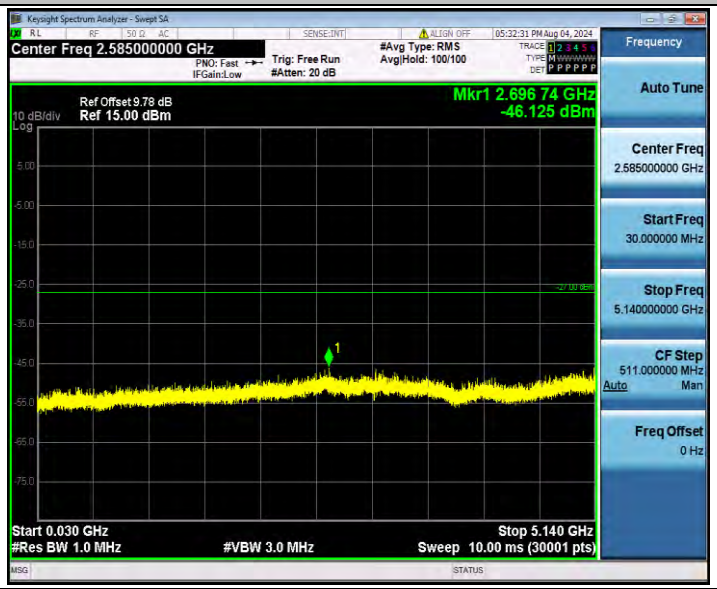
11AC40SISO_Ant1_5270_30~5140

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

Keysight Spectrum Analyzer - Swept SA
Center Freq 16.180000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
#Avg Type: RMS
Avg|Hold: 100/100
Ref Offset 9.78 dB
10 dB/div
Ref 15.00 dBm
Log
Mkr1 5.364 3 GHz
-33.072 dBm
Start 5.36 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 27.00 GHz
Sweep 56.00 ms (30001 pts)
Frequency
Auto Tune
Center Freq
16.180000000 GHz
Start Freq
5.360000000 GHz
Stop Freq
27.000000000 GHz
CF Step
2.164000000 GHz
Auto
Man
Freq Offset
0 Hz

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	-47.77	≤-41.20	47.43	≤54	PASS
				AV	4942.400	-45.47	≤-41.20	49.73	≤54	PASS
				AV	5150.000	-46.92	≤-41.20	48.28	≤54	PASS
				Peak	4500.000	-42.36	≤-21.20	52.84	≤74	PASS
				Peak	4944.800	-35.67	≤-21.20	59.53	≤74	PASS
				Peak	5150.000	-40.4	≤-21.20	54.80	≤74	PASS
		High	5320	AV	5350.000	-46.58	≤-41.20	48.62	≤54	PASS
				AV	5456.000	-46.22	≤-41.20	48.98	≤54	PASS
				AV	5460.000	-46.27	≤-41.20	48.93	≤54	PASS
				Peak	5350.000	-44.43	≤-21.20	50.77	≤74	PASS
				Peak	5425.600	-37.73	≤-21.20	57.47	≤74	PASS
				Peak	5460.000	-42.25	≤-21.20	52.95	≤74	PASS
11N20SISO	Ant1	Low	5260	AV	4500.000	-47.79	≤-41.20	47.41	≤54	PASS
				AV	4943.200	-45.47	≤-41.20	49.73	≤54	PASS
				AV	5150.000	-46.92	≤-41.20	48.28	≤54	PASS
				Peak	4500.000	-42.87	≤-21.20	52.33	≤74	PASS
				Peak	5002.400	-36.77	≤-21.20	58.43	≤74	PASS
				Peak	5150.000	-44.09	≤-21.20	51.11	≤74	PASS
		High	5320	AV	5350.000	-46.53	≤-41.20	48.67	≤54	PASS
				AV	5452.000	-46.25	≤-41.20	48.95	≤54	PASS
				AV	5460.000	-46.27	≤-41.20	48.93	≤54	PASS
				Peak	5350.000	-43.41	≤-21.20	51.79	≤74	PASS
				Peak	5391.200	-37.87	≤-21.20	57.33	≤74	PASS
				Peak	5460.000	-41.53	≤-21.20	53.67	≤74	PASS
11N40SISO	Ant1	Low	5270	AV	4500.000	-47.81	≤-41.20	47.39	≤54	PASS
				AV	4943.190	-45.47	≤-41.20	49.73	≤54	PASS
				AV	5150.000	-46.89	≤-41.20	48.31	≤54	PASS
				Peak	4500.000	-44.84	≤-21.20	50.36	≤74	PASS
				Peak	4944.770	-36.42	≤-21.20	58.78	≤74	PASS
				Peak	5150.000	-40.36	≤-21.20	54.84	≤74	PASS
		High	5310	AV	5350.000	-44.74	≤-41.20	50.46	≤54	PASS
				AV	5460.000	-46.25	≤-41.20	48.95	≤54	PASS
				Peak	5350.000	-41.9	≤-21.20	53.30	≤74	PASS
				Peak	5403.600	-38.39	≤-21.20	56.81	≤74	PASS
				Peak	5460.000	-43.46	≤-21.20	51.74	≤74	PASS
11AC20SI	Ant1	Low	5260	AV	4500.000	-47.78	≤-41.20	47.42	≤54	PASS

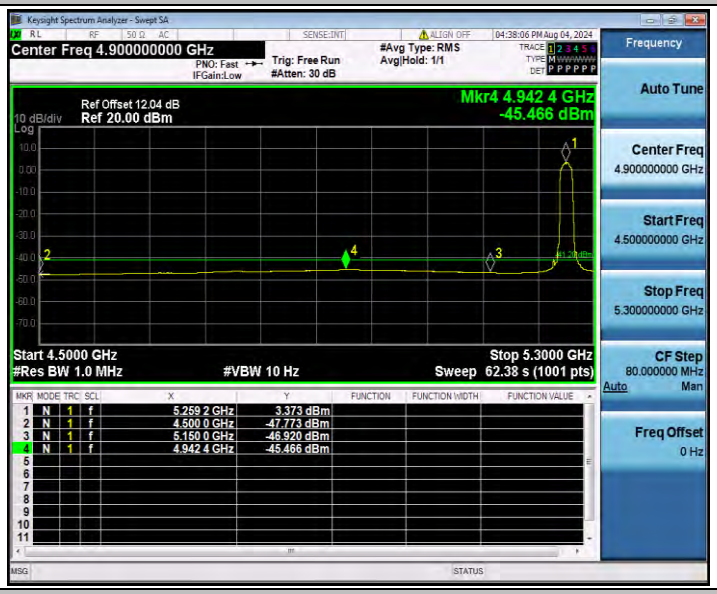
SO				AV	4945.600	-45.47	≤-41.20	49.73	≤54	PASS
				AV	5150.000	-46.89	≤-41.20	48.31	≤54	PASS
				Peak	4500.000	-42.96	≤-21.20	52.24	≤74	PASS
				Peak	4871.200	-35.88	≤-21.20	59.32	≤74	PASS
				Peak	5150.000	-41.77	≤-21.20	53.43	≤74	PASS
		High	5320	AV	5350.000	-46.59	≤-41.20	48.61	≤54	PASS
				AV	5455.200	-46.24	≤-41.20	48.96	≤54	PASS
				AV	5460.000	-46.25	≤-41.20	48.95	≤54	PASS
				Peak	5350.000	-41.35	≤-21.20	53.85	≤74	PASS
				Peak	5451.200	-38.56	≤-21.20	56.64	≤74	PASS
				Peak	5460.000	-40.99	≤-21.20	54.21	≤74	PASS
11AC40SISO	Ant1	Low	5270	AV	4500.000	-47.82	≤-41.20	47.38	≤54	PASS
				AV	4943.980	-45.51	≤-41.20	49.69	≤54	PASS
				AV	5150.000	-46.91	≤-41.20	48.29	≤54	PASS
				Peak	4500.000	-45.22	≤-21.20	49.98	≤74	PASS
				Peak	4987.430	-36.22	≤-21.20	58.98	≤74	PASS
				Peak	5150.000	-42.86	≤-21.20	52.34	≤74	PASS
		High	5310	AV	5350.000	-44.89	≤-41.20	50.31	≤54	PASS
				AV	5460.000	-46.28	≤-41.20	48.92	≤54	PASS
				Peak	5350.000	-42.91	≤-21.20	52.29	≤74	PASS
				Peak	5459.600	-39.03	≤-21.20	56.17	≤74	PASS
				Peak	5460.000	-44.7	≤-21.20	50.50	≤74	PASS
11AC80SISO	Ant1	Low	5290	AV	4500.000	-48.12	≤-41.20	47.08	≤54	PASS
				AV	4946.790	-45.8	≤-41.20	49.40	≤54	PASS
				AV	5150.000	-47.05	≤-41.20	48.15	≤54	PASS
				Peak	4500.000	-43.22	≤-21.20	51.98	≤74	PASS
				Peak	5104.995	-36.93	≤-21.20	58.27	≤74	PASS
				Peak	5150.000	-45.82	≤-21.20	49.38	≤74	PASS
		High	5290	AV	5350.000	-42.15	≤-41.20	53.05	≤54	PASS
				AV	5350.400	-42.06	≤-41.20	53.14	≤54	PASS
				AV	5460.000	-46.34	≤-41.20	48.86	≤54	PASS
				Peak	5350.000	-40.12	≤-21.20	55.08	≤74	PASS
				Peak	5355.200	-33.35	≤-21.20	61.85	≤74	PASS
				Peak	5460.000	-41.8	≤-21.20	53.40	≤74	PASS

Note：

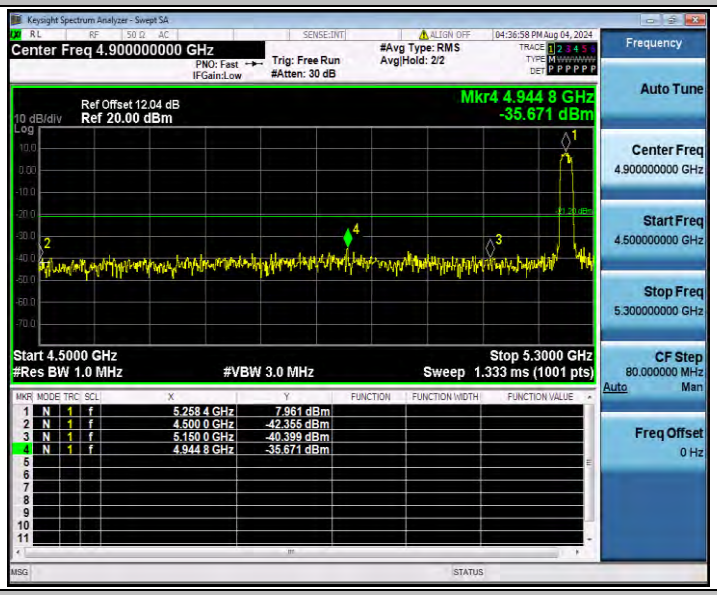
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm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

Test Graphs

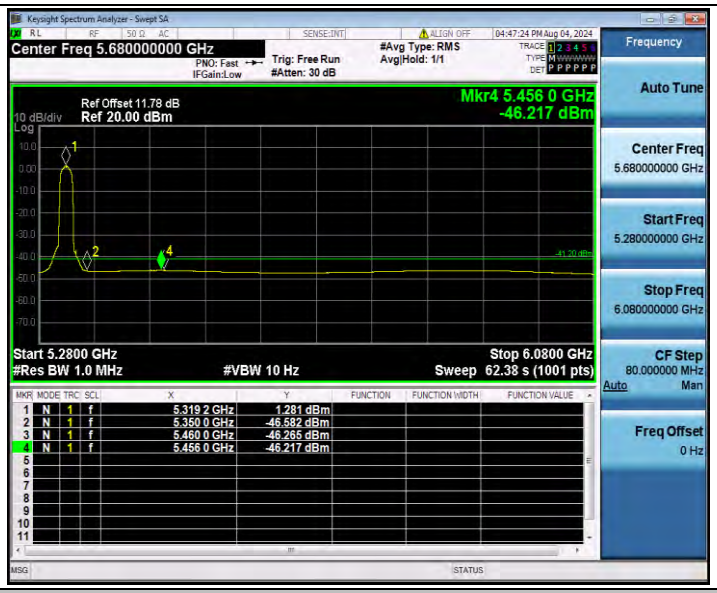
11A_Ant1_Low_5260_AV



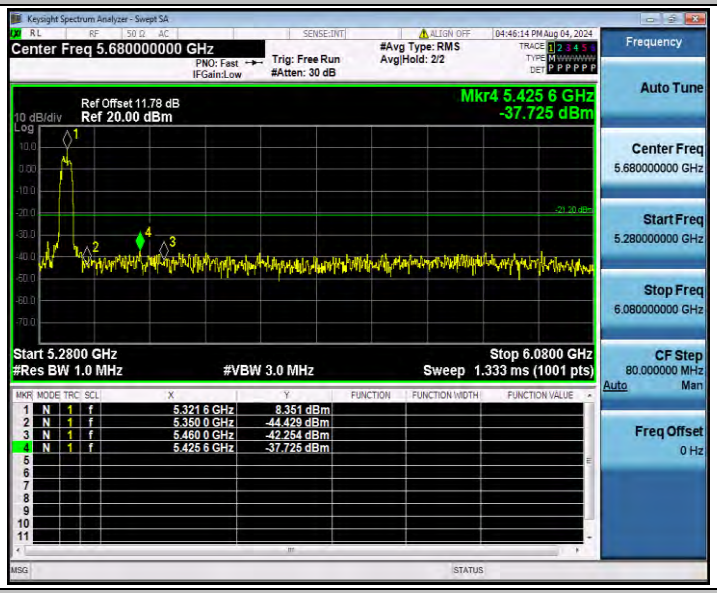
11A_Ant1_Low_5260_Peak



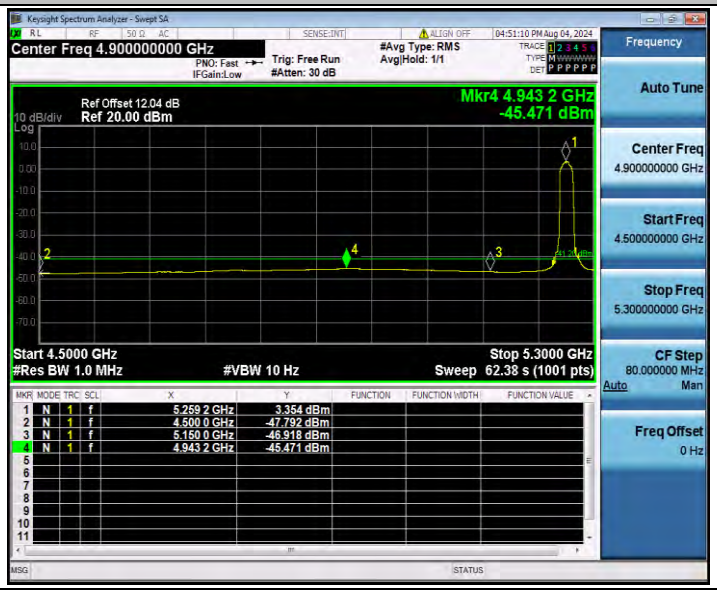
11A_Ant1_High_5320_AV



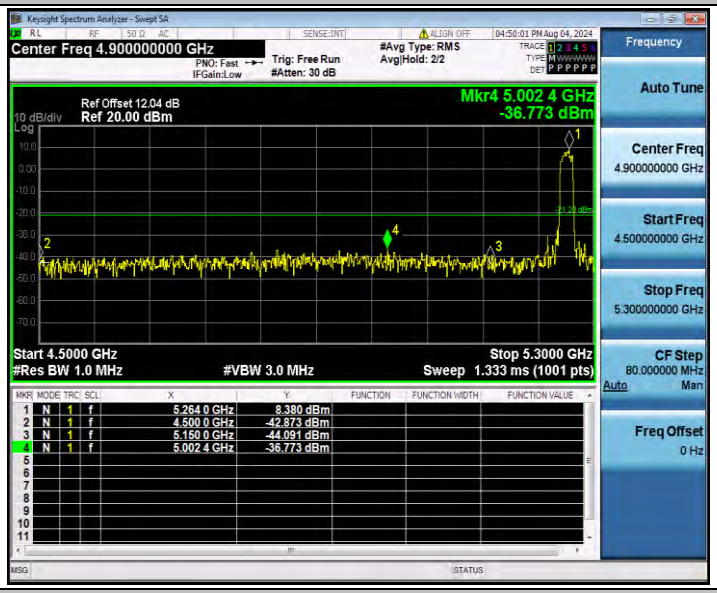
11A_Ant1_High_5320_Peak



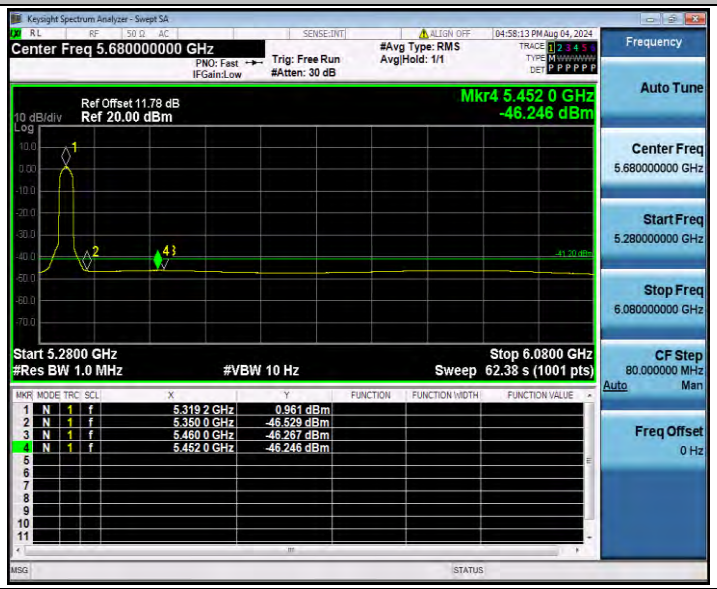
11N20SISO_Ant1_Low_5260_AV



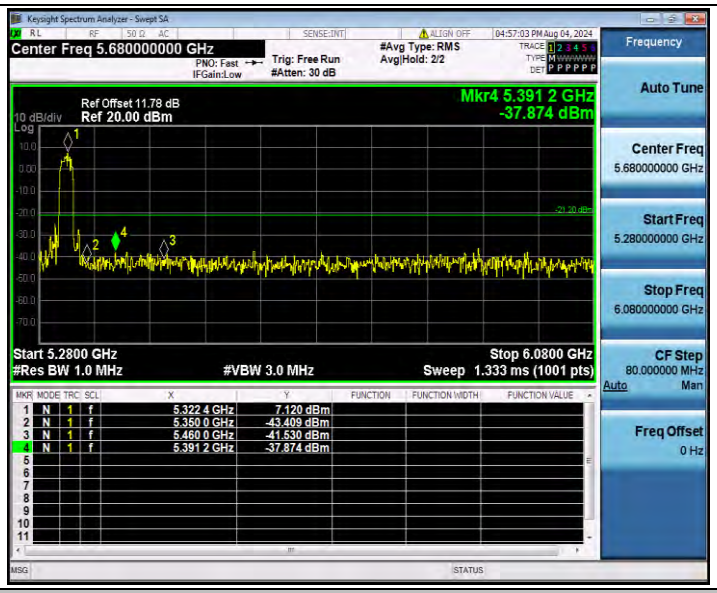
11N20SISO_Ant1_Low_5260_Peak



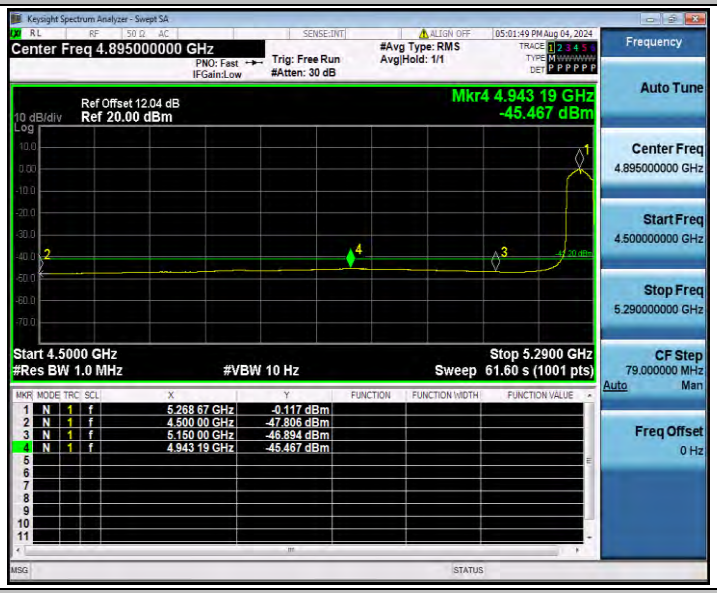
11N20SISO_Ant1_High_5320_AV



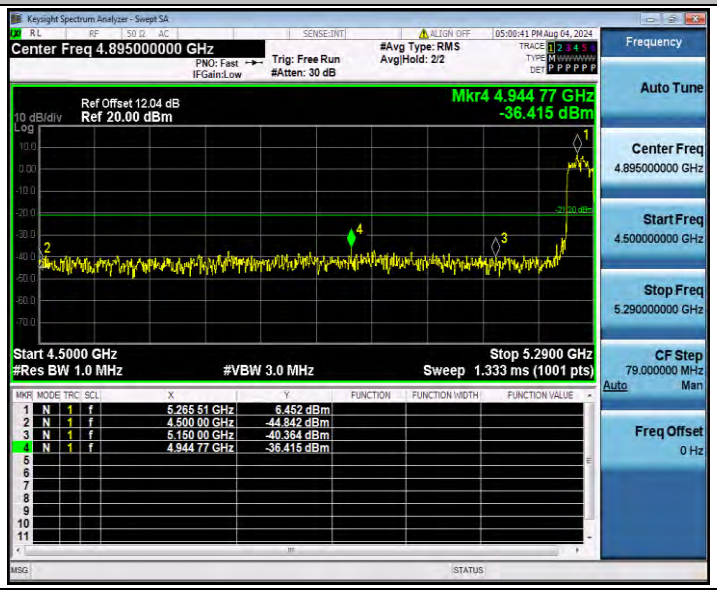
11N20SISO_Ant1_High_5320_Peak



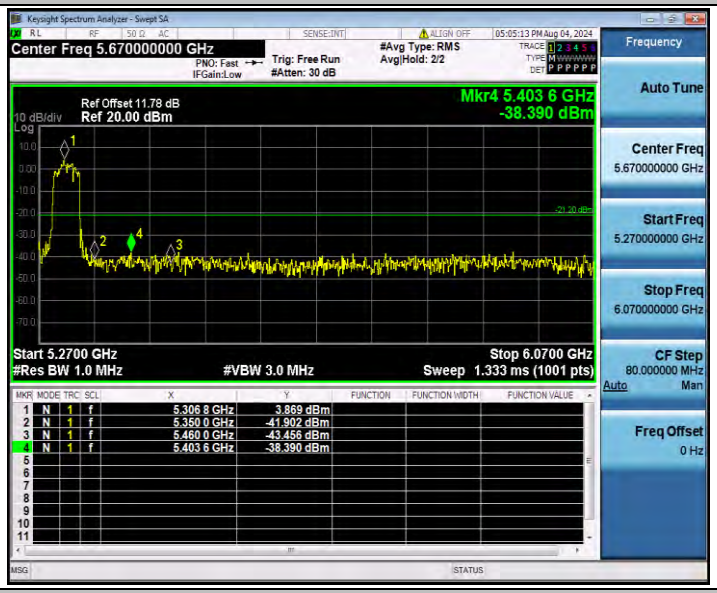
11N40SISO_Ant1_Low_5270_AV



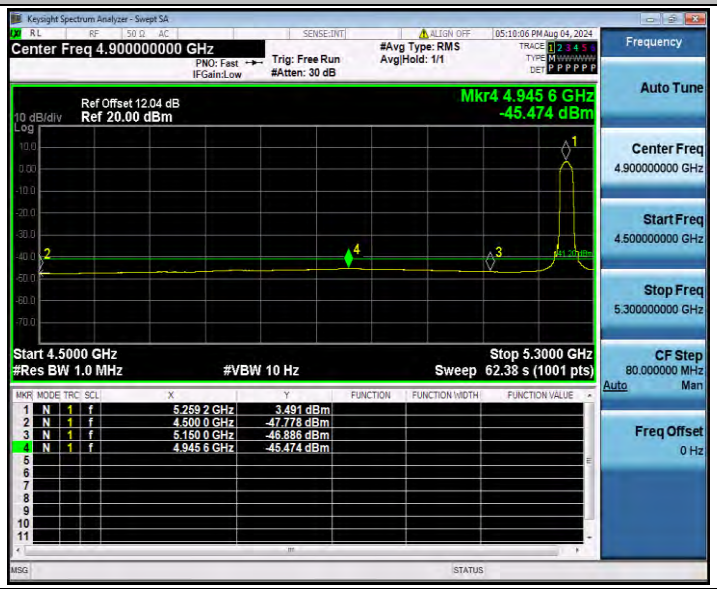
11N40SISO_Ant1_Low_5270_Peak



11N40SISO_Ant1_High_5310_Peak



11AC20SISO_Ant1_Low_5260_AV



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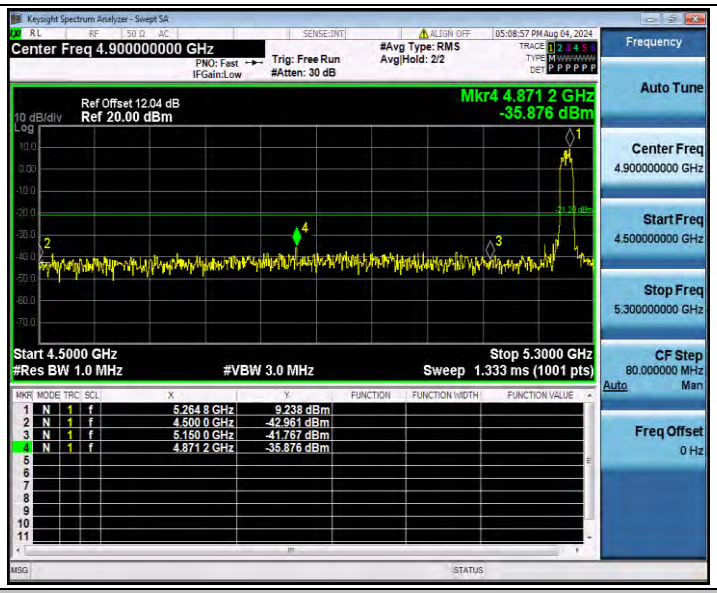

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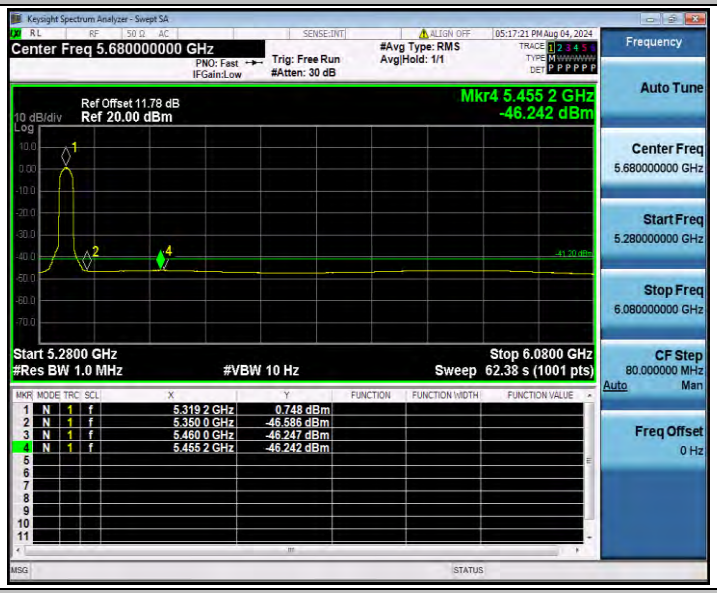

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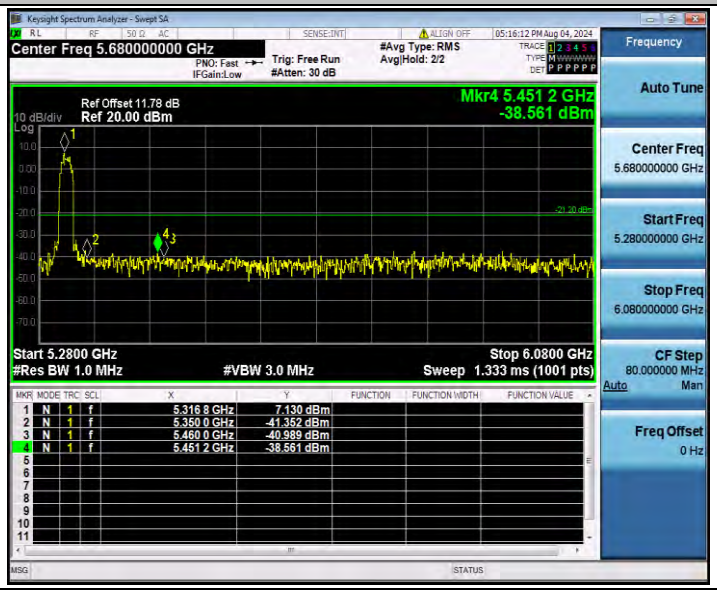
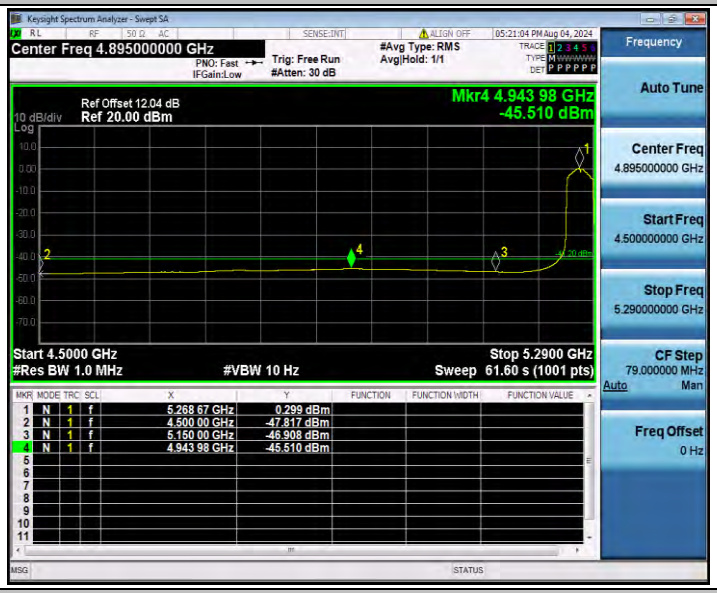
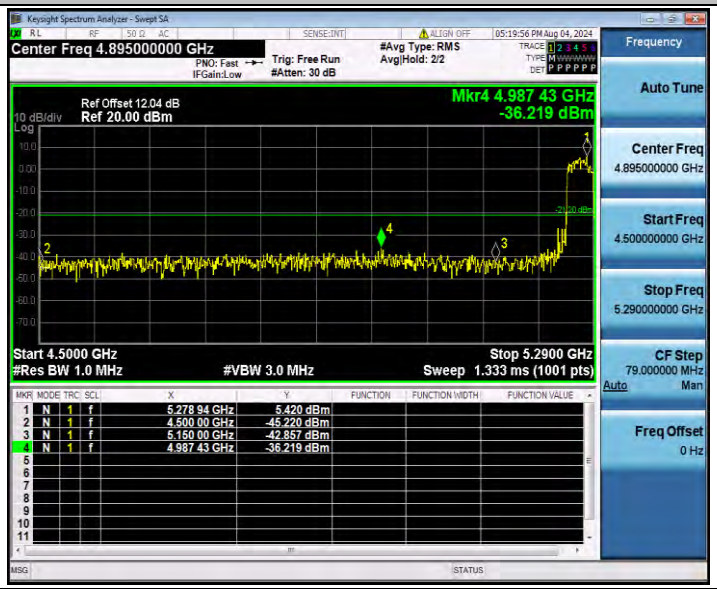


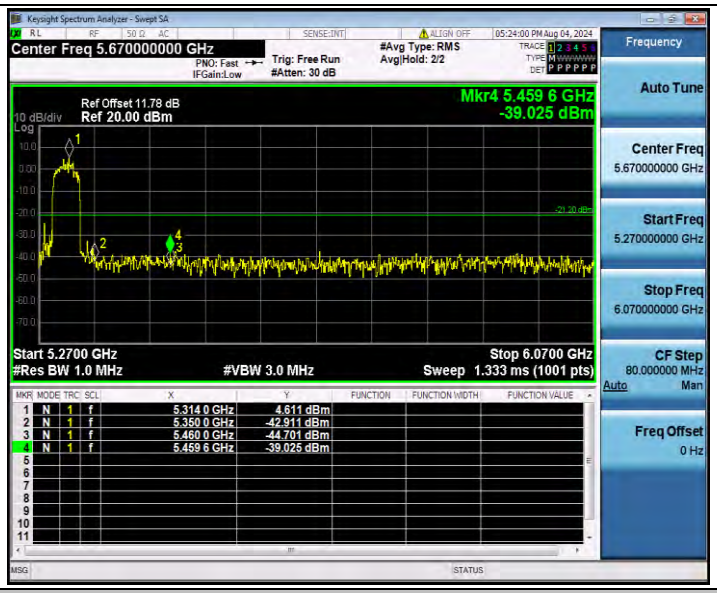
11AC40SISO_Ant1_Low_5270_AV



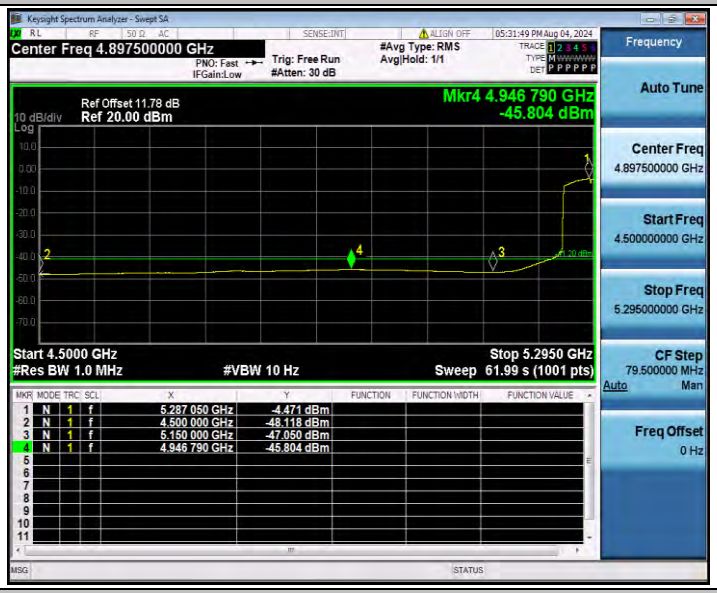
11AC40SISO_Ant1_Low_5270_Peak



11AC40SISO_Ant1_High_5310_Peak



11AC80SISO_Ant1_Low_5290_AV



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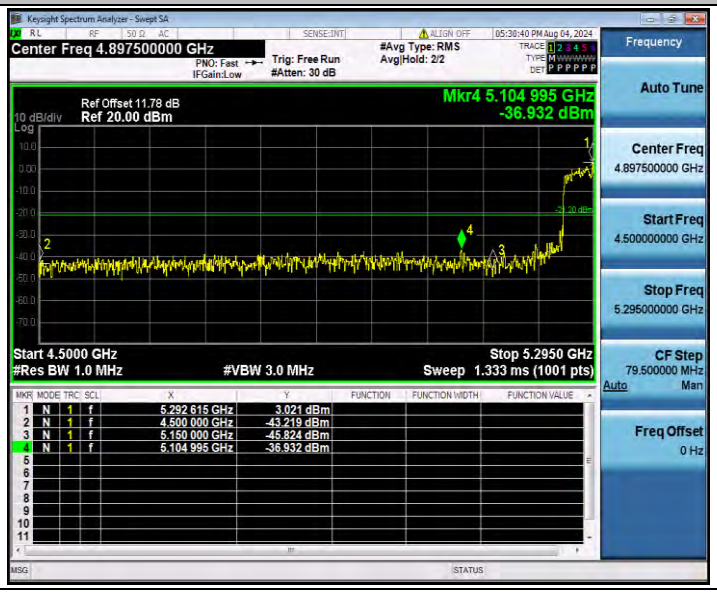

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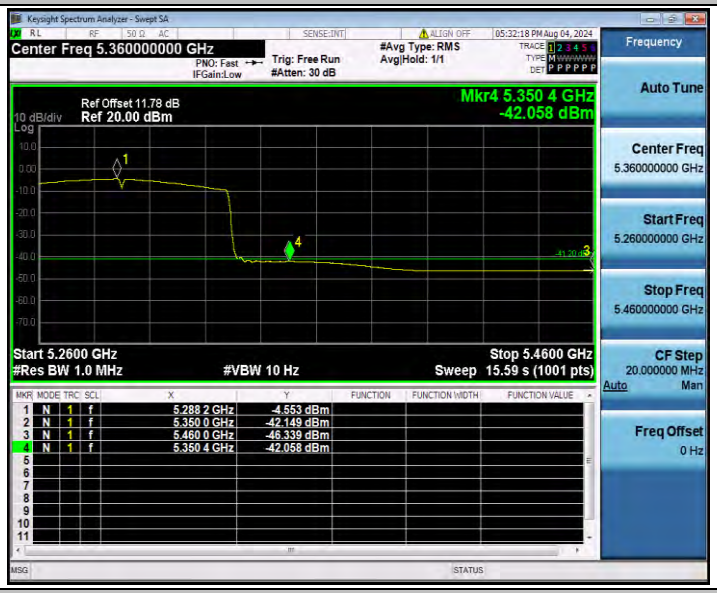
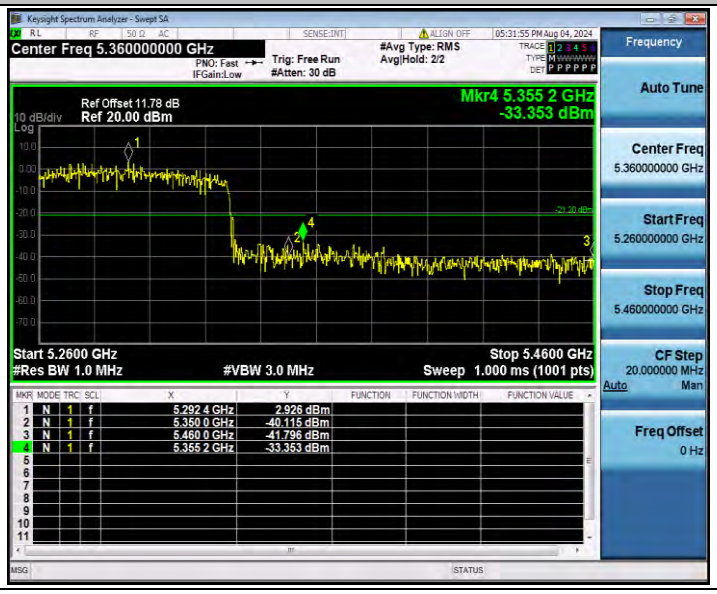
11AC80SISO_Ant1_High_5290_Peak