Appendix D.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant0	5180	10.64	43.75	3.59	14.23	≤23.98	PASS
		5200	10.65	43.75	3.59	14.24	≤23.98	PASS
		5240	10.14	40.00	3.98	14.12	≤23.98	PASS
11N20SISO	Ant0	5180	10.99	47.06	3.27	14.26	≤23.98	PASS
		5200	10.93	47.06	3.27	14.20	≤23.98	PASS
		5240	9.40	47.06	3.27	12.67	≤23.98	PASS
11N40SISO	Ant0	5190	8.59	40.00	3.98	12.57	≤23.98	PASS
		5230	8.25	35.71	4.47	12.72	≤23.98	PASS
11AC20SISO	Ant0	5180	10.13	50.00	3.01	13.14	≤23.98	PASS
		5200	10.03	50.00	3.01	13.04	≤23.98	PASS
		5240	9.61	47.37	3.24	12.85	≤23.98	PASS
11AC40SISO	Ant0	5190	9.04	46.67	3.31	12.35	≤23.98	PASS
		5230	8.59	40.00	3.98	12.57	≤23.98	PASS
11AC80SISO	Ant0	5210	7.99	35.71	4.47	12.46	≤23.98	PASS
11AX20SISO	Ant0	5180	9.99	50.00	3.01	13.00	≤23.98	PASS
		5200	9.93	50.00	3.01	12.94	≤23.98	PASS
		5240	9.47	50.00	3.01	12.48	≤23.98	PASS
11AX40SISO	Ant0	5190	9.30	47.06	3.27	12.57	≤23.98	PASS
		5230	8.94	47.06	3.27	12.21	≤23.98	PASS
11AX80SISO	Ant0	5210	8.63	50.00	3.01	11.64	≤23.98	PASS

Appendix D.5: Maximum power spectral density

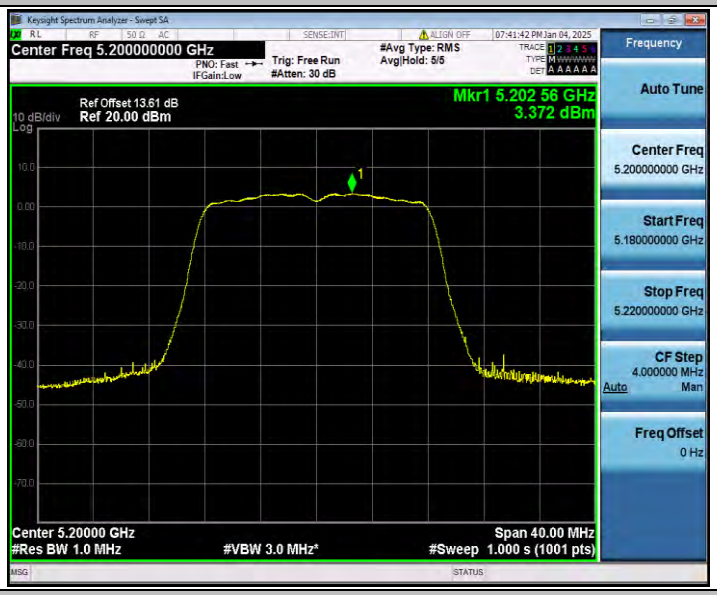
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant0	5180	3.39	≤11.00	PASS
		5200	3.37	≤11.00	PASS
		5240	3.27	≤11.00	PASS
11N20SISO	Ant0	5180	3.11	≤11.00	PASS
		5200	3.09	≤11.00	PASS
		5240	1.65	≤11.00	PASS
11N40SISO	Ant0	5190	-0.90	≤11.00	PASS
		5230	-0.93	≤11.00	PASS
11AC20SISO	Ant0	5180	2.06	≤11.00	PASS
		5200	2.10	≤11.00	PASS
		5240	-1.37	≤11.00	PASS
11AC40SISO	Ant0	5190	-1.10	≤11.00	PASS
		5230	-0.82	≤11.00	PASS
11AC80SISO	Ant0	5210	-4.28	≤11.00	PASS
11AX20SISO	Ant0	5180	1.89	≤11.00	PASS
		5200	1.91	≤11.00	PASS
		5240	1.50	≤11.00	PASS
11AX40SISO	Ant0	5190	-1.05	≤11.00	PASS
		5230	-1.52	≤11.00	PASS
11AX80SISO	Ant0	5210	-5.39	≤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.

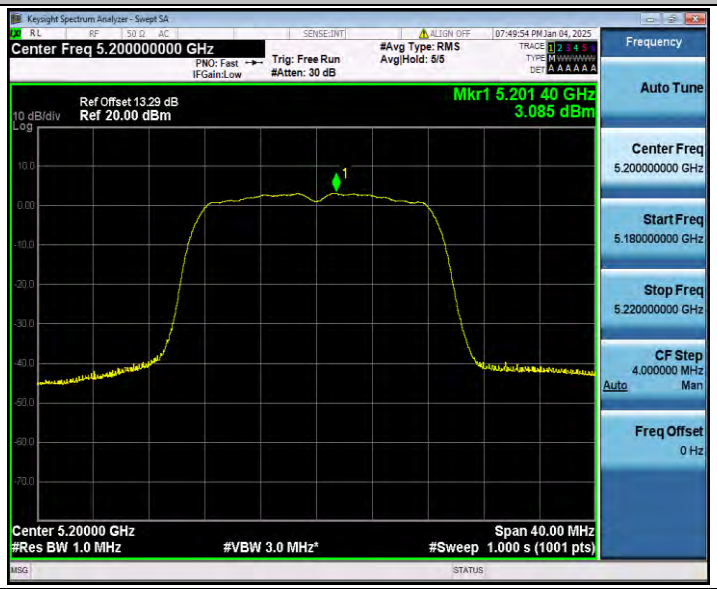
Test Graphs

11A_Ant0_5180

11A_Ant0_5200

11A_Ant0_5240

11N20SISO_Ant0_5180

11N20SISO_Ant0_5200



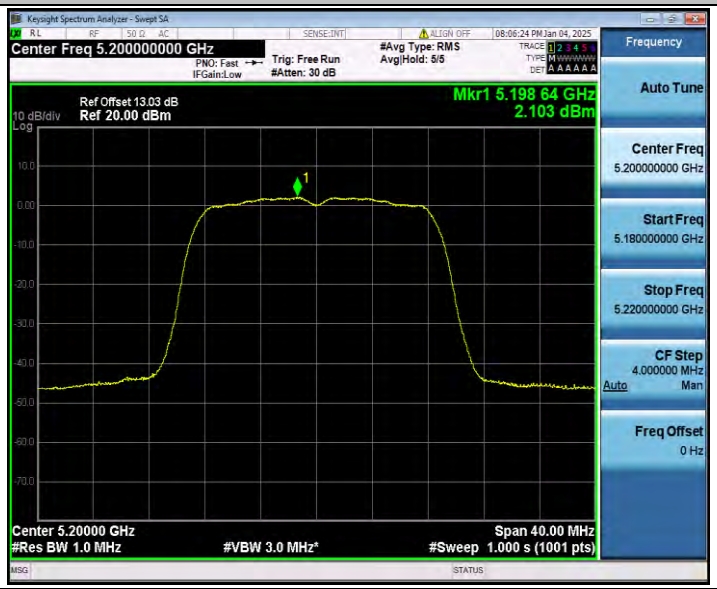
11N20SISO_Ant0_5240

11N40SISO_Ant0_5190

11N40SISO_Ant0_5230

11AC20SISO_Ant0_5180

11AC20SISO_Ant0_5200



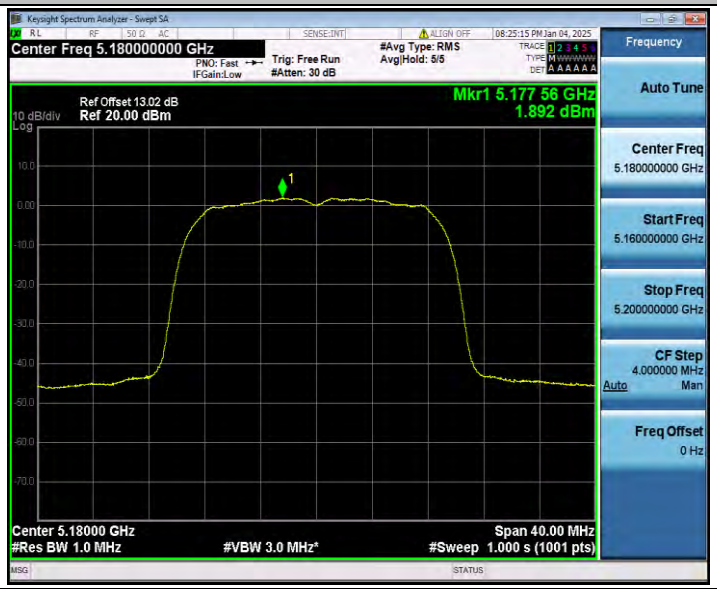
11AC20SISO_Ant0_5240

11AC40SISO_Ant0_5190

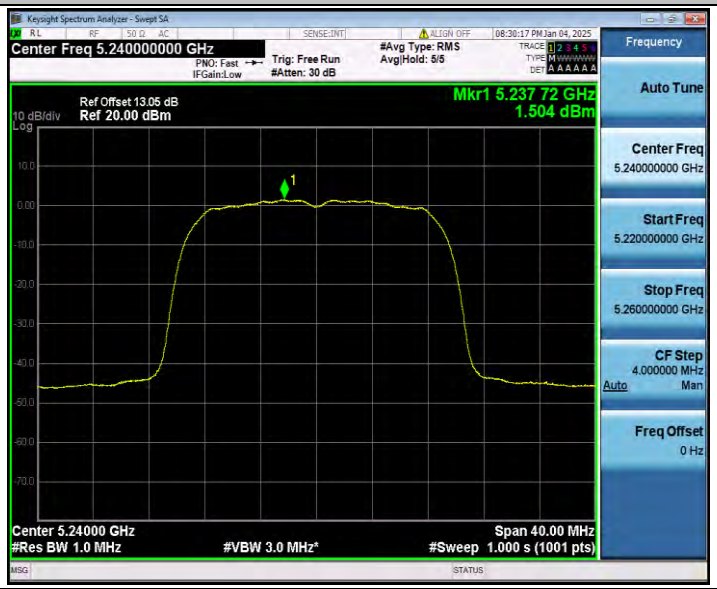
11AC40SISO_Ant0_5230

11AC80SISO_Ant0_5210

11AX20SISO_Ant0_5180



11AX20SISO_Ant0_5200

11AX20SISO_Ant0_5240

11AX40SISO_Ant0_5190

11AX40SISO_Ant0_5230

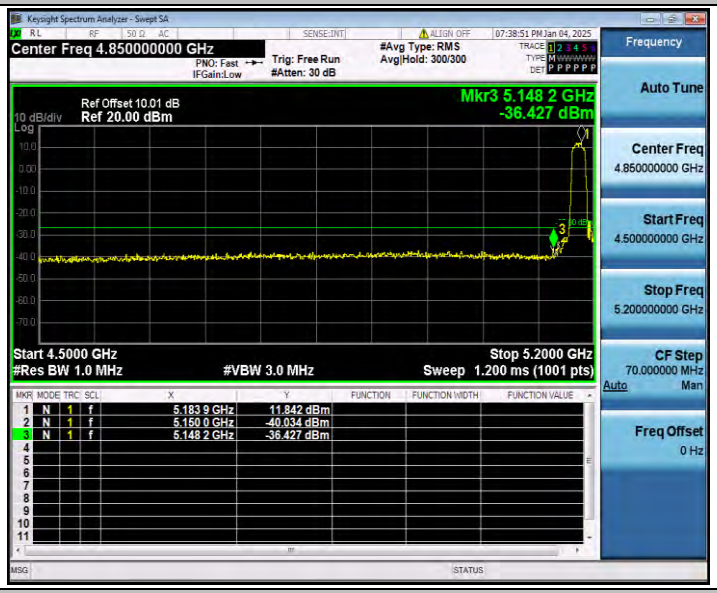
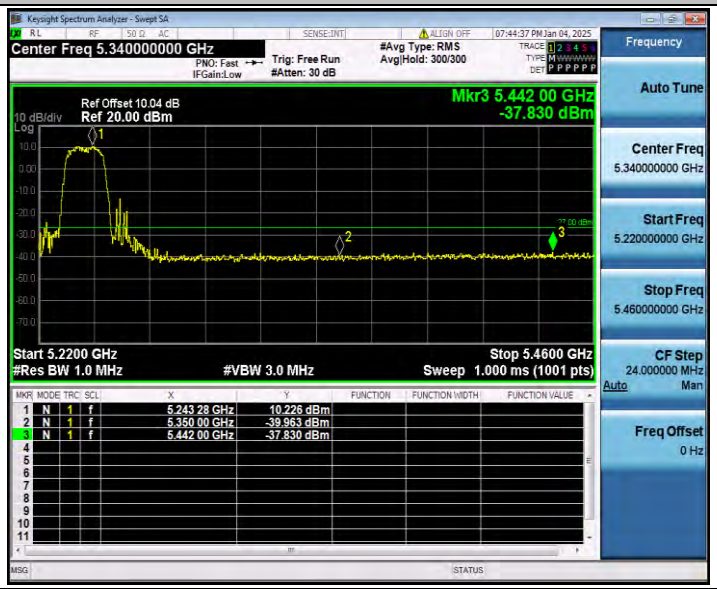
11AX80SISO_Ant0_5210

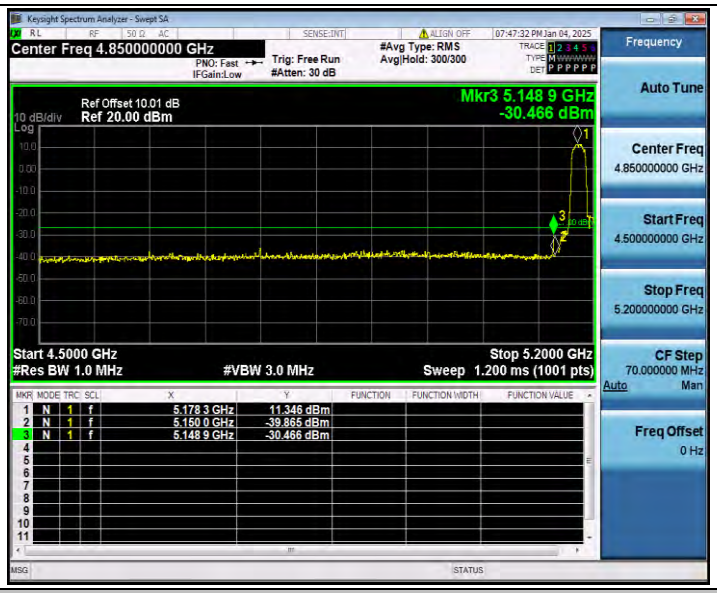
Appendix D.6: Band edge measurements

Test Result B1

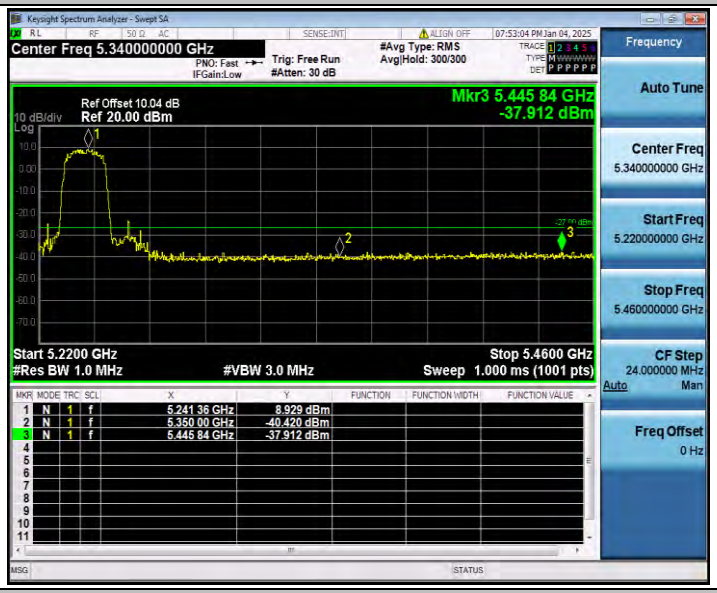
TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant0	Low	5180	-36.43	≤-27	PASS
		High	5240	-37.83	≤-27	PASS
11N20SISO	Ant0	Low	5180	-30.47	≤-27	PASS
		High	5240	-37.91	≤-27	PASS
11N40SISO	Ant0	Low	5190	-32.7	≤-27	PASS
		High	5230	-37.42	≤-27	PASS
11AC20SISO	Ant0	Low	5180	-36.78	≤-27	PASS
		High	5240	-36.87	≤-27	PASS
11AC40SISO	Ant0	Low	5190	-32.7	≤-27	PASS
		High	5230	-37.57	≤-27	PASS
11AC80SISO	Ant0	Low	5210	-31.93	≤-27	PASS
		High	5210	-37.21	≤-27	PASS
11AX20SISO	Ant0	Low	5180	-36.95	≤-27	PASS
		High	5240	-37.36	≤-27	PASS
11AX40SISO	Ant0	Low	5190	-37.1	≤-27	PASS
		High	5230	-37.41	≤-27	PASS
11AX80SISO	Ant0	Low	5210	-32.76	≤-27	PASS
		High	5210	-37.21	≤-27	PASS

Test Graphs B1

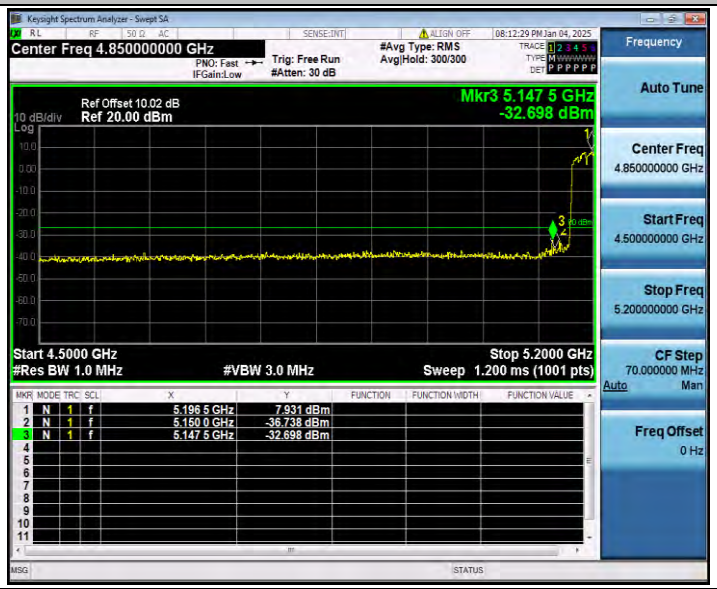
11A_Ant0_Low_5180

11A_Ant0_High_5240

11N20SISO_Ant0_Low_5180

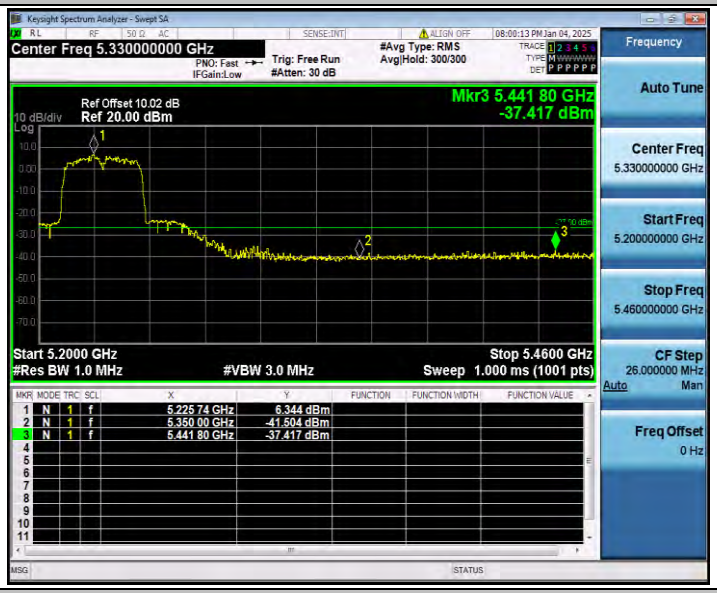
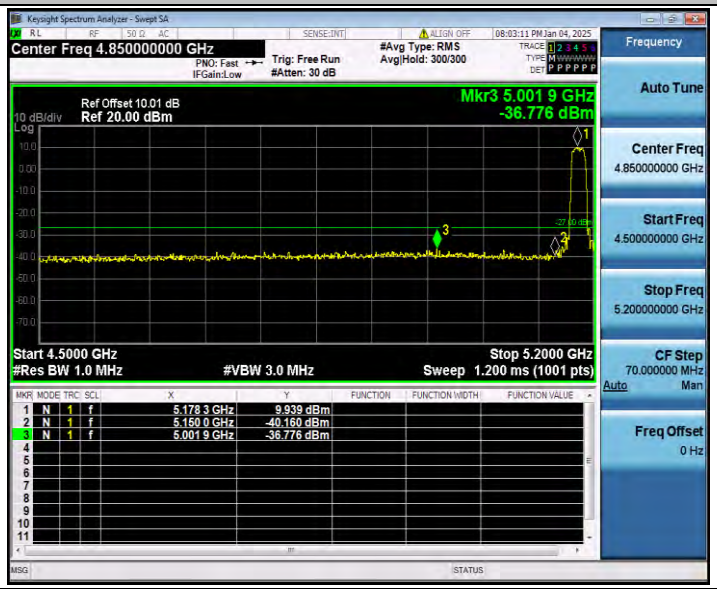


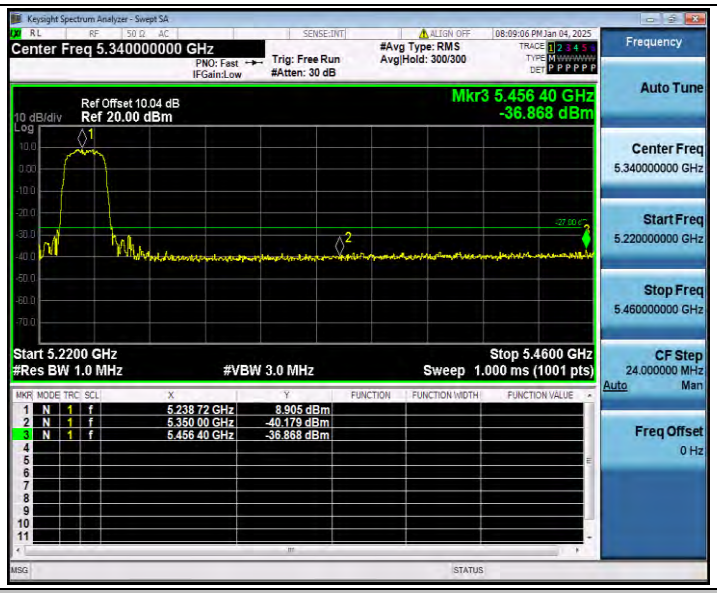
11N20SISO_Ant0_High_5240



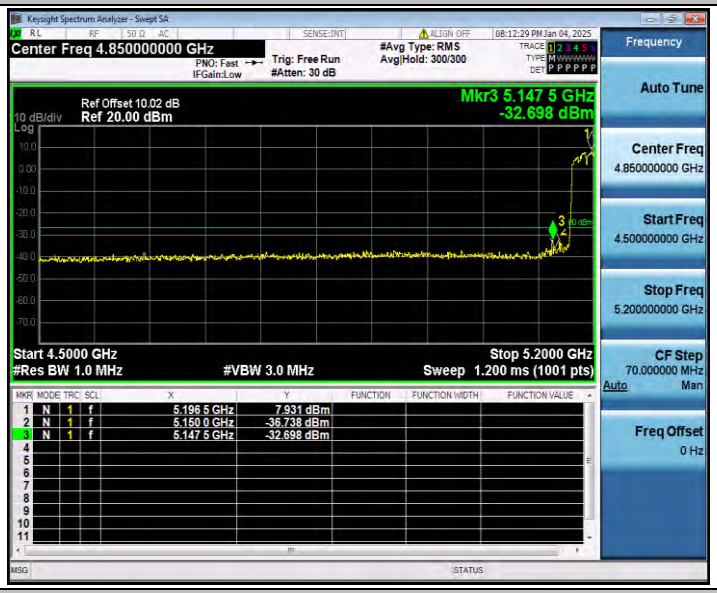
11N40SISO_Ant0_Low_5190



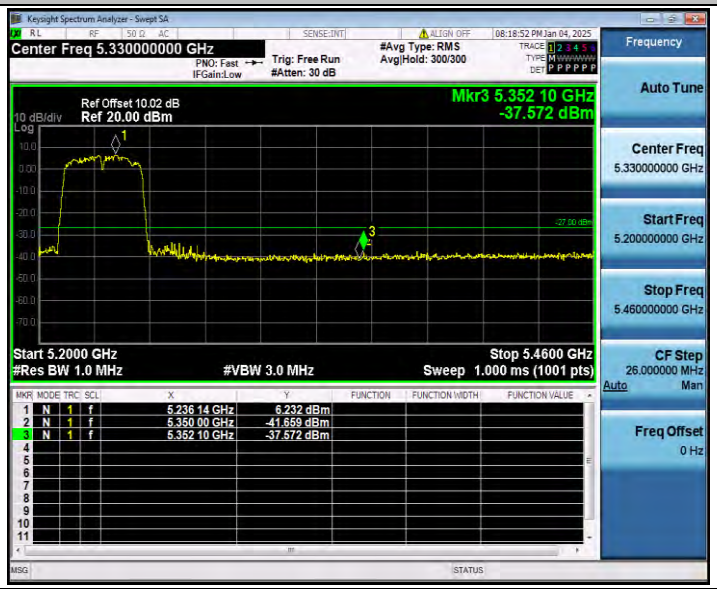
11N40SISO_Ant0_High_5230

11AC20SISO_Ant0_Low_5180

11AC20SISO_Ant0_High_5240

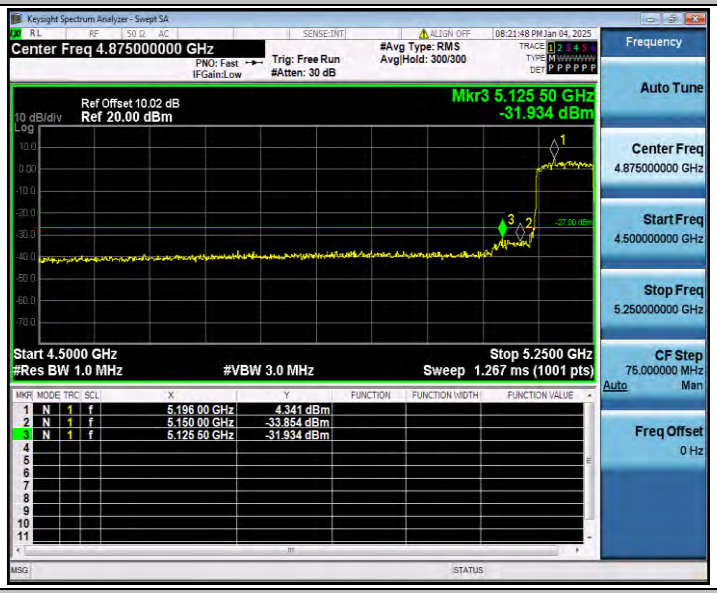
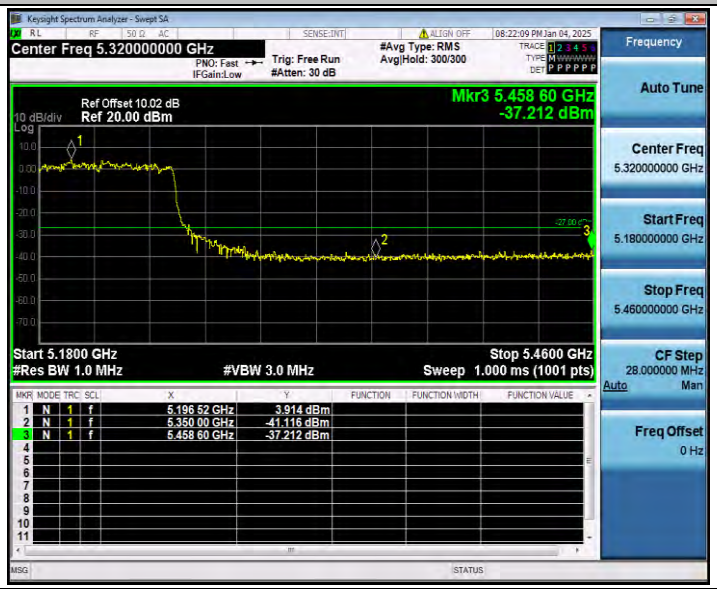


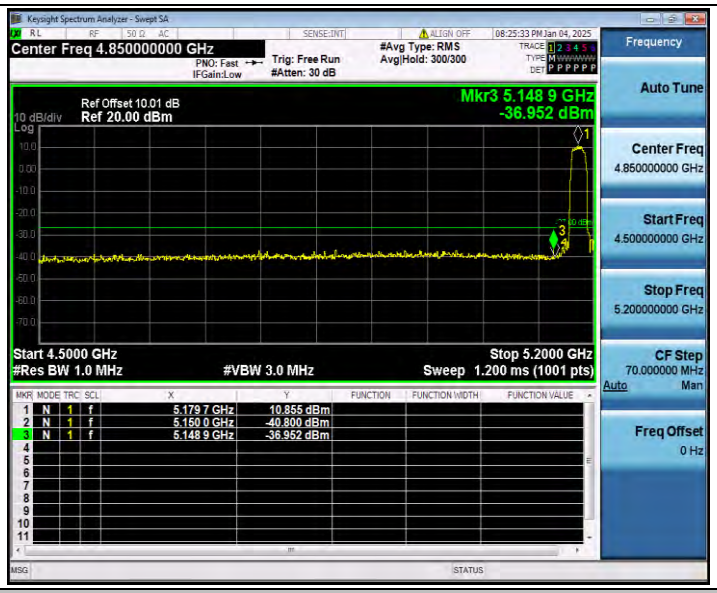
11AC40SISO_Ant0_Low_5190



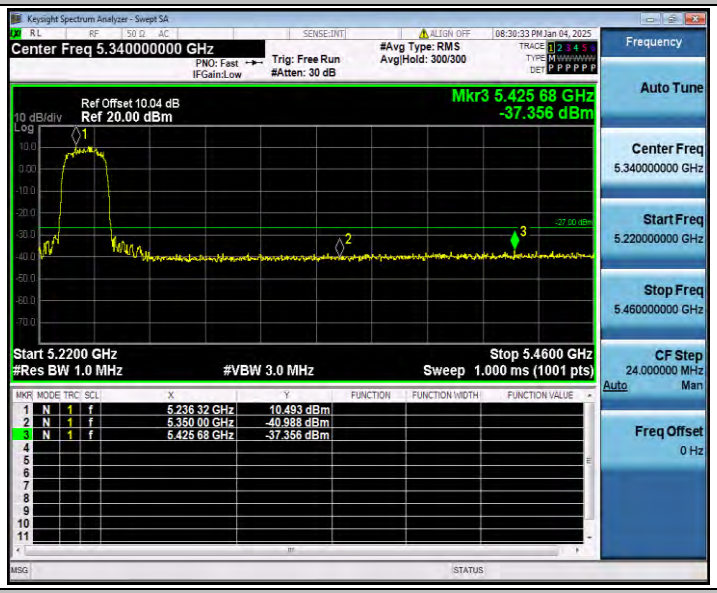
11AC40SISO_Ant0_High_5230



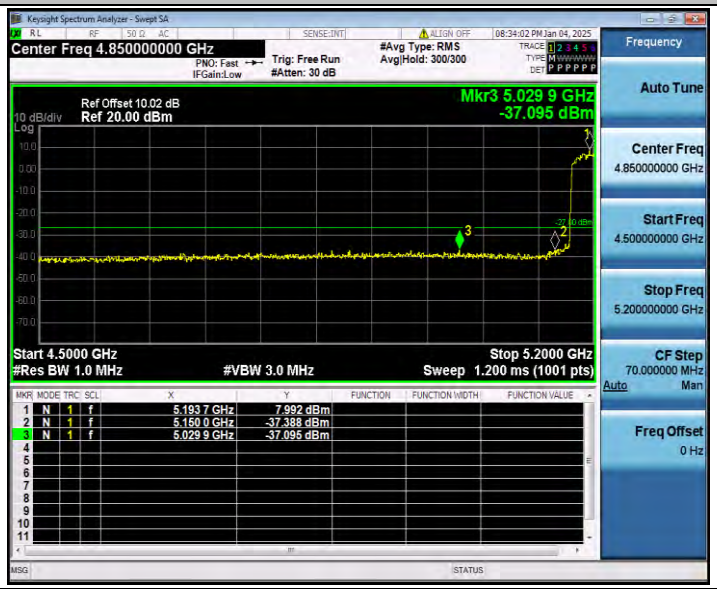
11AC80SISO_Ant0_Low_5210

11AC80SISO_Ant0_High_5210

11AX20SISO_Ant0_Low_5180

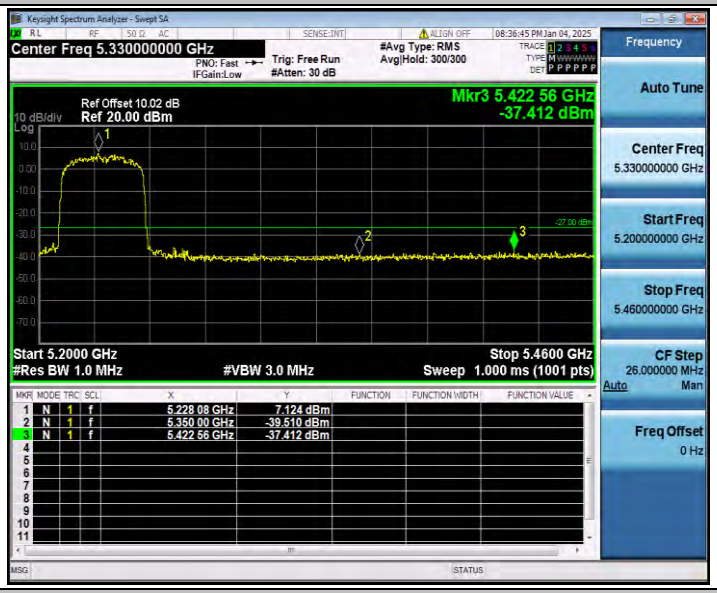
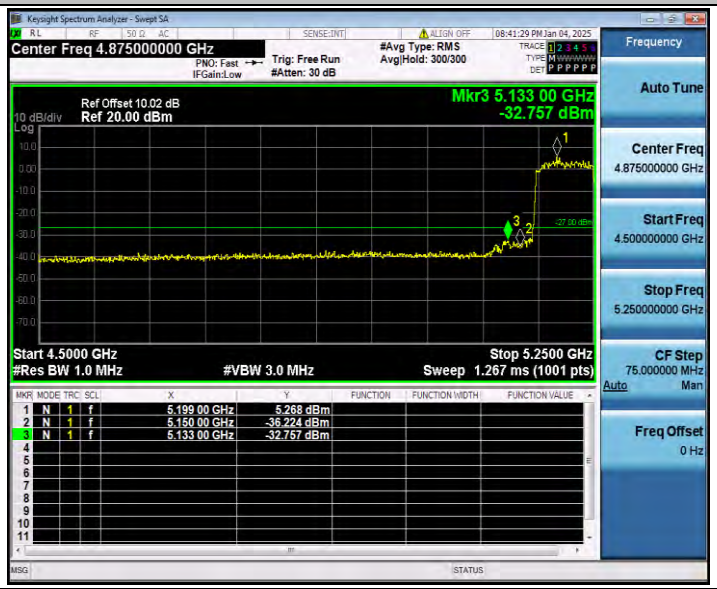


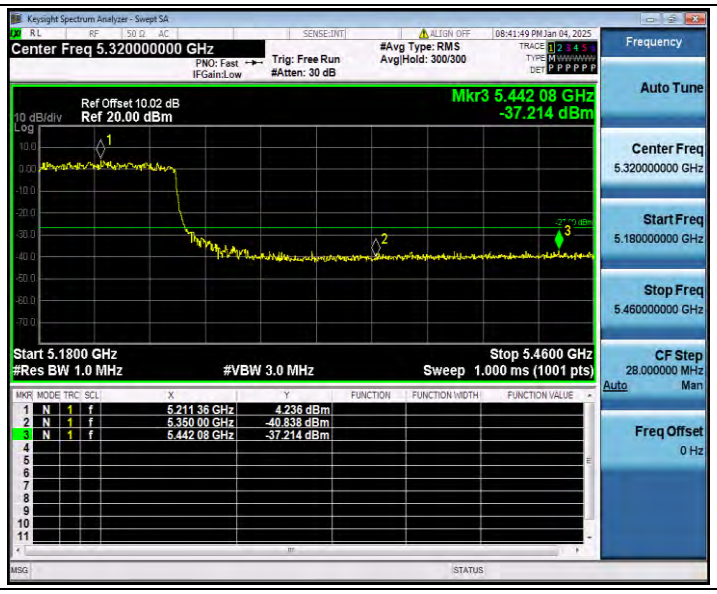
11AX20SISO_Ant0_High_5240



11AX40SISO_Ant0_Low_5190



11AX40SISO_Ant0_High_5230

11AX80SISO_Ant0_Low_5210

11AX80SISO_Ant0_High_5210


Keysight Spectrum Analyzer - Swept SA
Center Freq 5.320000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 300/300
08:41:49 PM Jan 04, 2025
Frequency
Ref Offset 10.02 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr3 5.442 08 GHz
-37.214 dBm
Start 5.1800 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 5.4600 GHz
Sweep 1.000 ms (1001 pts)
1 N 1 f 5.211 36 GHz 4.236 dBm
2 N 1 f 5.350 00 GHz -40.838 dBm
3 N 1 f 5.442 08 GHz -37.214 dBm
Auto Tune
Center Freq
5.320000000 GHz
Start Freq
5.180000000 GHz
Stop Freq
5.460000000 GHz
CF Step
28.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

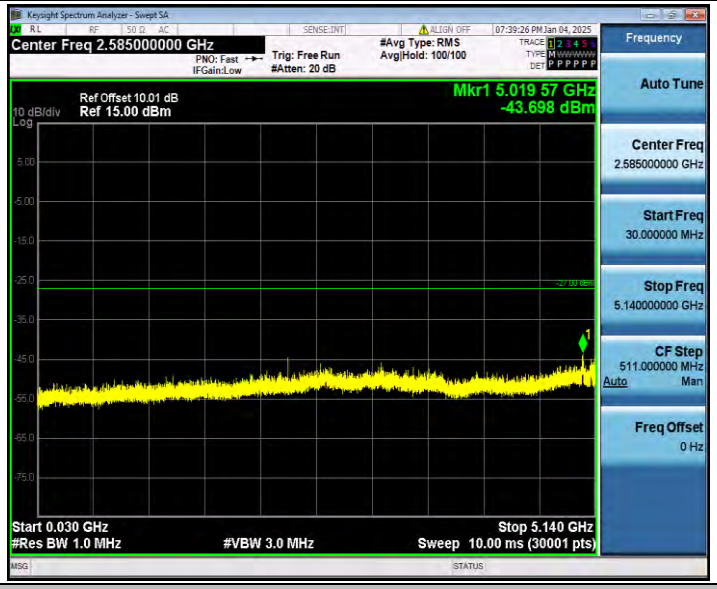
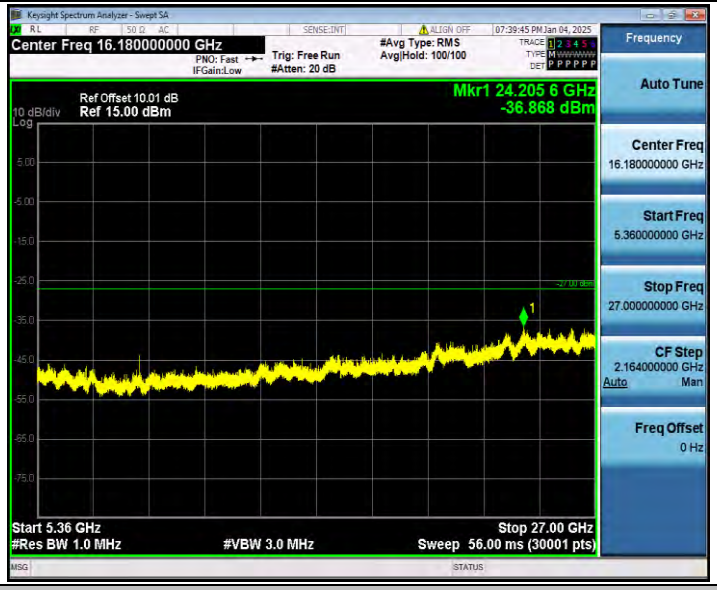
Appendix D.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant0	5180	30~5140	5019.57	-43.7	≤-27	PASS
			5360~27000	24205.55	-36.87	≤-27	PASS
		5200	30~5140	5036.95	-44.77	≤-27	PASS
			5360~27000	23520.29	-36.93	≤-27	PASS
		5240	30~5140	4996.07	-45.07	≤-27	PASS
			5360~27000	23479.17	-36.39	≤-27	PASS
11N20SISO	Ant0	5180	30~5140	5134.38	-44.42	≤-27	PASS
			5360~27000	25193.78	-36.64	≤-27	PASS
		5200	30~5140	5046.32	-45.02	≤-27	PASS
			5360~27000	23525.34	-36.4	≤-27	PASS
		5240	30~5140	5073.57	-45.79	≤-27	PASS
			5360~27000	26039.18	-37.49	≤-27	PASS
11N40SISO	Ant0	5190	30~5140	5138.98	-33.34	≤-27	PASS
			5360~27000	26103.38	-37.09	≤-27	PASS
		5230	30~5140	4981.42	-45.7	≤-27	PASS
			5360~27000	23613.34	-37.29	≤-27	PASS
11AC20SISO	Ant0	5180	30~5140	5137.96	-42.81	≤-27	PASS
			5360~27000	26555.66	-37.22	≤-27	PASS
		5200	30~5140	5038.99	-45.53	≤-27	PASS
			5360~27000	26003.84	-36.92	≤-27	PASS
		5240	30~5140	5012.25	-46.03	≤-27	PASS
			5360~27000	23590.98	-37.21	≤-27	PASS
11AC40SISO	Ant0	5190	30~5140	5137.27	-41.72	≤-27	PASS
			5360~27000	24387.33	-37.6	≤-27	PASS
		5230	30~5140	5032.52	-46.1	≤-27	PASS
			5360~27000	26552.05	-36.34	≤-27	PASS
11AC80SISO	Ant0	5210	30~5140	5131.82	-31.87	≤-27	PASS
			5360~27000	24833.11	-37.33	≤-27	PASS
11AX20SISO	Ant0	5180	30~5140	5134.04	-43.1	≤-27	PASS
			5360~27000	25569.6	-37.33	≤-27	PASS
		5200	30~5140	5038.48	-45.02	≤-27	PASS
			5360~27000	26559.27	-37.27	≤-27	PASS
		5240	30~5140	5084.98	-45.57	≤-27	PASS
			5360~27000	26891.08	-37.09	≤-27	PASS
11AX40SISO	Ant0	5190	30~5140	5139.32	-42.12	≤-27	PASS
			5360~27000	26479.2	-37.06	≤-27	PASS

		5230	30~5140	5084.64	-45.6	≤-27	PASS
			5360~27000	23572.95	-36.99	≤-27	PASS
11AX80SISO	Ant0	5210	30~5140	5132.51	-35.76	≤-27	PASS
			5360~27000	23587.37	-37.69	≤-27	PASS

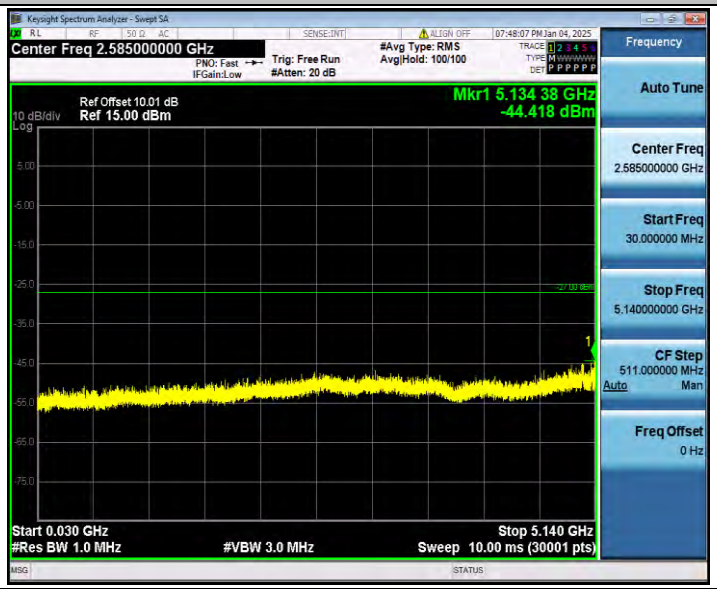
Test Graphs

11A_Ant0_5180_30~5140

11A_Ant0_5180_5360~27000

11A_Ant0_5200_30~5140

11A_Ant0_5200_5360~27000

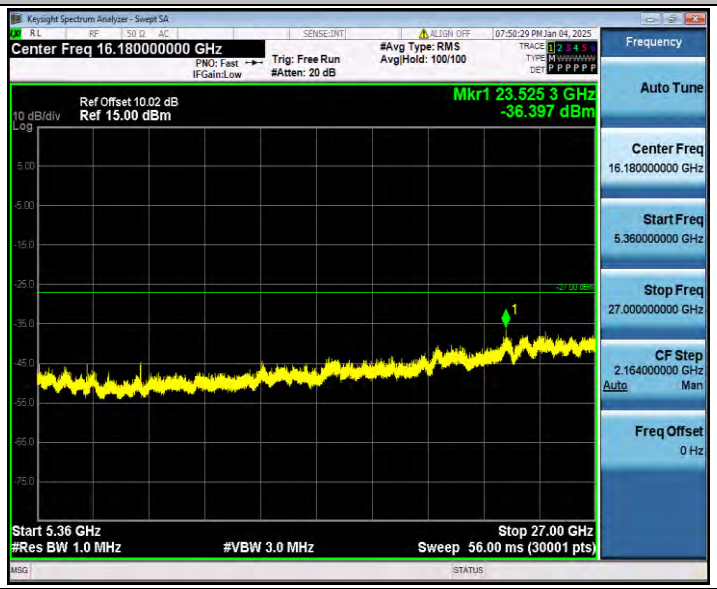
11A_Ant0_5240_30~5140

11A_Ant0_5240_5360~27000

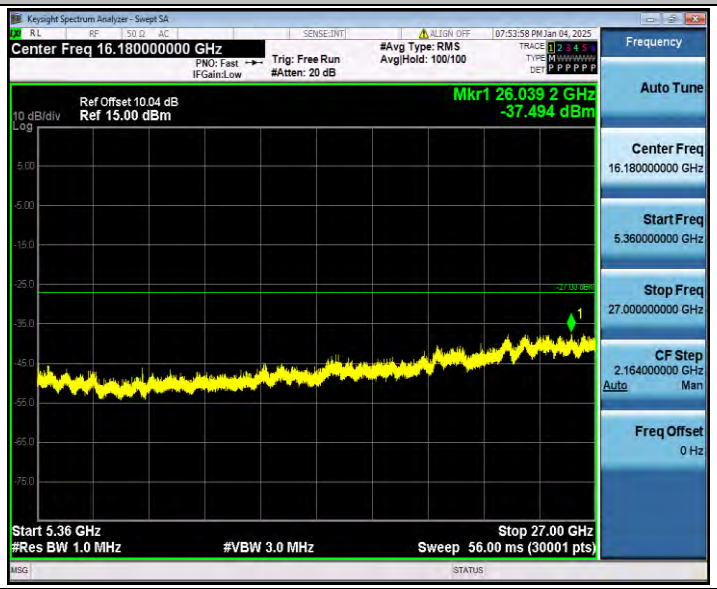
11N20SISO_Ant0_5180_30~5140

11N20SISO_Ant0_5180_5360~27000

11N20SISO_Ant0_5200_30~5140

11N20SISO_Ant0_5200_5360~27000

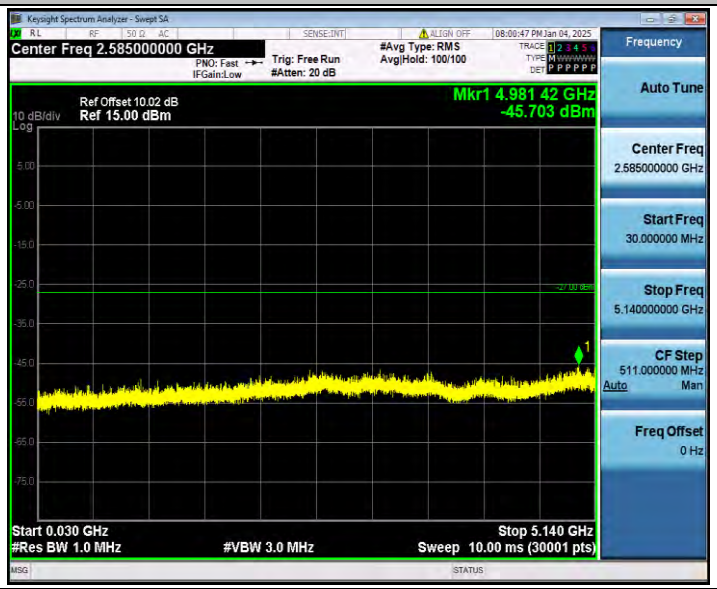


11N20SISO_Ant0_5240_30~5140

11N20SISO_Ant0_5240_5360~27000

11N40SISO_Ant0_5190_30~5140

11N40SISO_Ant0_5190_5360~27000

11N40SISO_Ant0_5230_30~5140



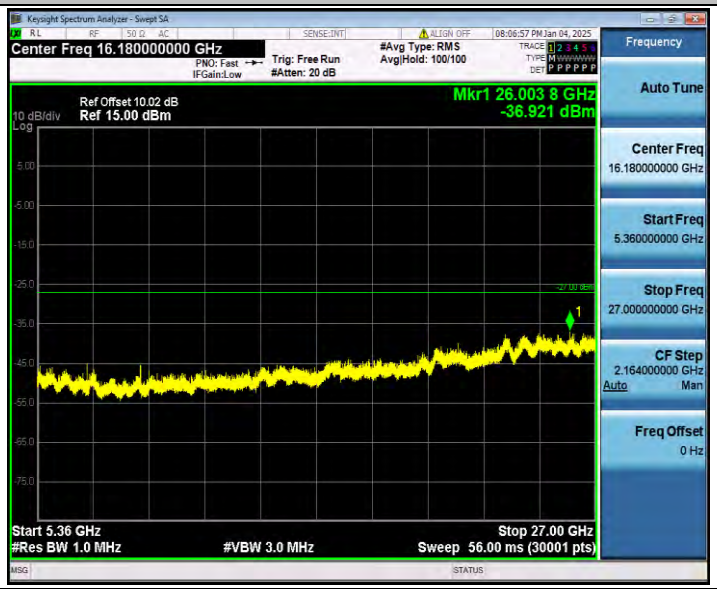
11N40SISO_Ant0_5230_5360~27000

11AC20SISO_Ant0_5180_30~5140

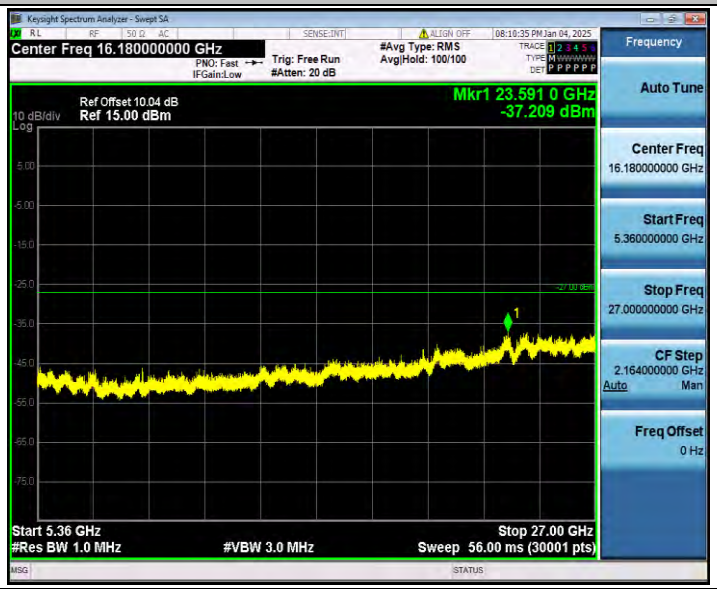
11AC20SISO_Ant0_5180_5360~27000

11AC20SISO_Ant0_5200_30~5140

11AC20SISO_Ant0_5200_5360~27000

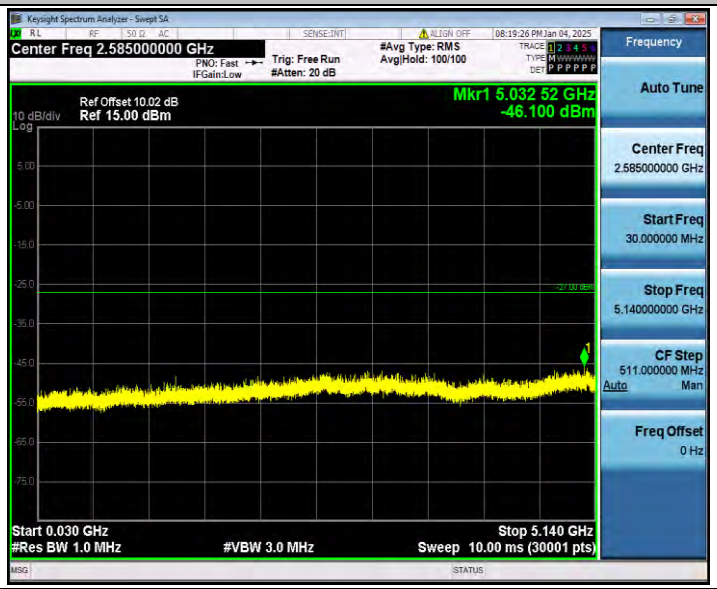


11AC20SISO_Ant0_5240_30~5140

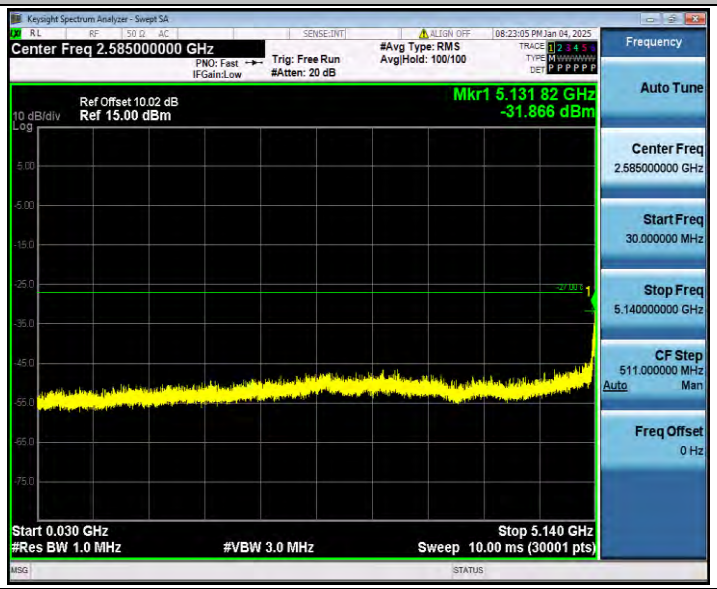
11AC20SISO_Ant0_5240_5360~27000

11AC40SISO_Ant0_5190_30~5140

11AC40SISO_Ant0_5190_5360~27000

11AC40SISO_Ant0_5230_30~5140



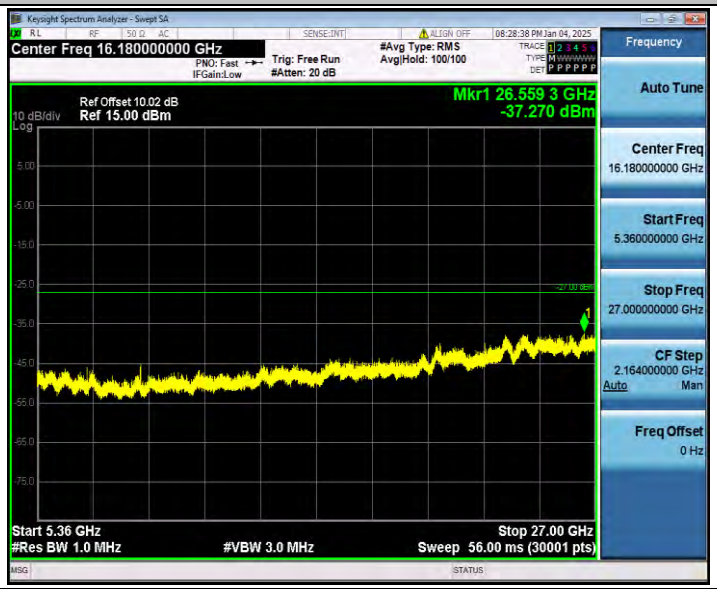
11AC40SISO_Ant0_5230_5360~27000

11AC80SISO_Ant0_5210_30~5140

11AC80SISO_Ant0_5210_5360~27000

11AX20SISO_Ant0_5180_30~5140

11AX20SISO_Ant0_5180_5360~27000

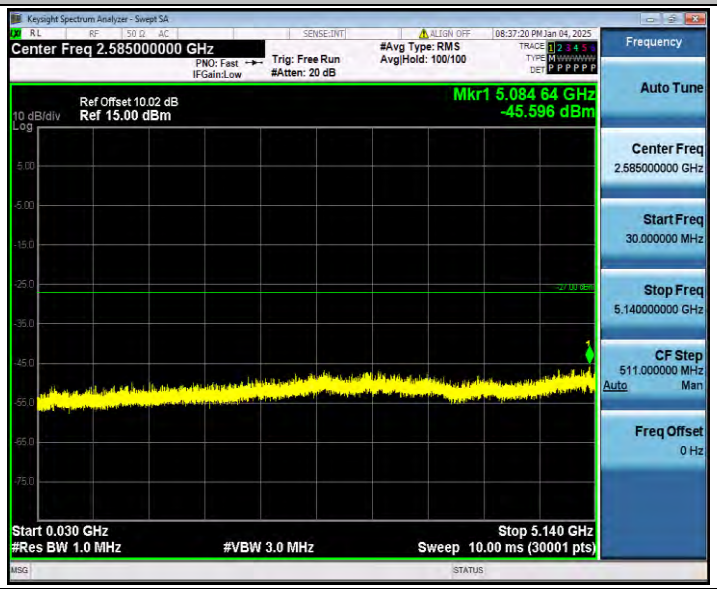
11AX20SISO_Ant0_5200_30~5140

11AX20SISO_Ant0_5200_5360~27000

11AX20SISO_Ant0_5240_30~5140

11AX20SISO_Ant0_5240_5360~27000

11AX40SISO_Ant0_5190_30~5140

11AX40SISO_Ant0_5190_5360~27000

11AX40SISO_Ant0_5230_30~5140

11AX40SISO_Ant0_5230_5360~27000

11AX80SISO_Ant0_5210_30~5140

11AX80SISO_Ant0_5210_5360~27000