Appendix B.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	Ant1	5180	12.64	97.66	0.10	12.74	≤23.98	PASS
		5200	13.06	98.12	0.08	13.14	≤23.98	PASS
		5240	13.10	98.12	0.08	13.18	≤23.98	PASS
11N20SISO	Ant1	5180	12.54	98.76	0.05	12.59	≤23.98	PASS
		5200	13.10	98.76	0.05	13.15	≤23.98	PASS
		5240	13.14	98.76	0.05	13.19	≤23.98	PASS
11N40SISO	Ant1	5190	12.86	98.76	0.05	12.91	≤23.98	PASS
		5230	13.22	98.76	0.05	13.27	≤23.98	PASS
11AC20SISO	Ant1	5180	12.47	99.00	0.04	12.51	≤23.98	PASS
		5200	12.97	98.75	0.05	13.02	≤23.98	PASS
		5240	13.12	98.75	0.05	13.17	≤23.98	PASS
11AC40SISO	Ant1	5190	12.88	98.75	0.05	12.93	≤23.98	PASS
		5230	13.22	98.75	0.05	13.27	≤23.98	PASS
11AC80SISO	Ant1	5210	13.09	99.00	0.04	13.13	≤23.98	PASS
11AX20SISO	Ant1	5180	12.28	98.76	0.05	12.33	≤23.98	PASS
		5200	12.81	98.76	0.05	12.86	≤23.98	PASS
		5240	12.84	98.76	0.05	12.89	≤23.98	PASS
11AX40SISO	Ant1	5190	12.56	99.01	0.04	12.60	≤23.98	PASS
		5230	12.99	98.76	0.05	13.04	≤23.98	PASS
11AX80SISO	Ant1	5210	12.81	98.76	0.05	12.86	≤23.98	PASS

Appendix B.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	1.69	≤11.00	PASS
		5200	2.25	≤11.00	PASS
		5240	2.40	≤11.00	PASS
11N20SISO	Ant1	5180	1.28	≤11.00	PASS
		5200	1.96	≤11.00	PASS
		5240	2.06	≤11.00	PASS
11N40SISO	Ant1	5190	-1.27	≤11.00	PASS
		5230	-0.95	≤11.00	PASS
11AC20SISO	Ant1	5180	1.29	≤11.00	PASS
		5200	1.87	≤11.00	PASS
		5240	2.07	≤11.00	PASS
11AC40SISO	Ant1	5190	-1.21	≤11.00	PASS
		5230	-0.95	≤11.00	PASS
11AC80SISO	Ant1	5210	-4.04	≤11.00	PASS
11AX20SISO	Ant1	5180	0.86	≤11.00	PASS
		5200	1.49	≤11.00	PASS
		5240	1.60	≤11.00	PASS
11AX40SISO	Ant1	5190	-1.81	≤11.00	PASS
		5230	-1.46	≤11.00	PASS
11AX80SISO	Ant1	5210	-4.45	≤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

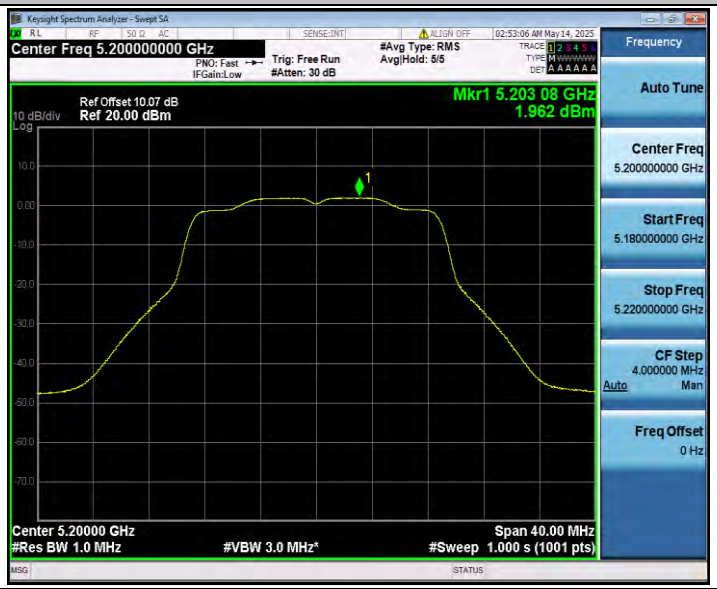
11A_Ant1_5180

11A_Ant1_5200

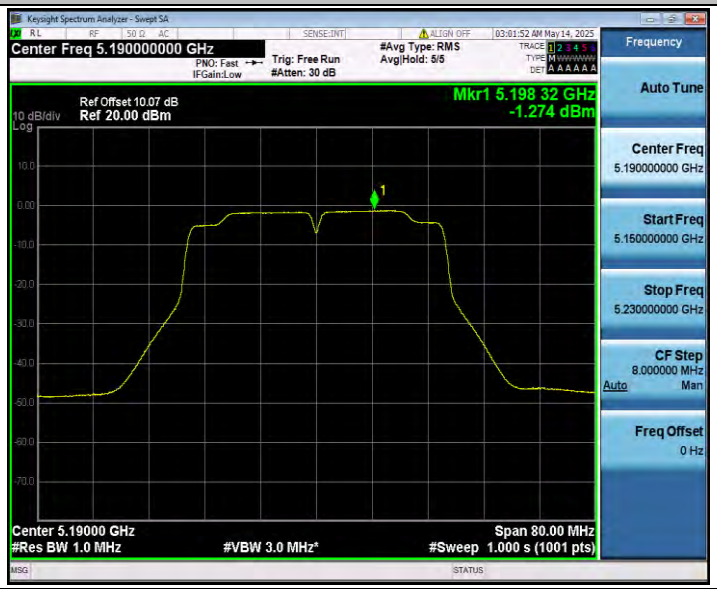
11A_Ant1_5240

11N20SISO_Ant1_5180

11N20SISO_Ant1_5200

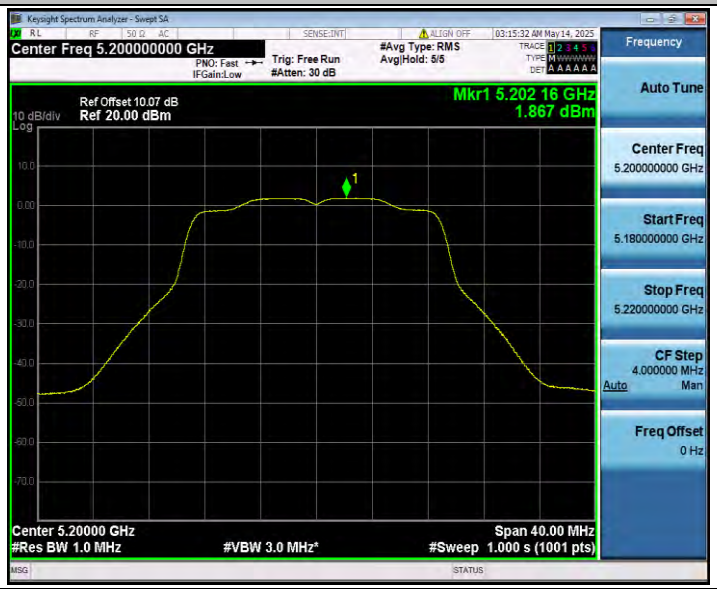


11N20SISO_Ant1_5240

11N40SISO_Ant1_5190

11N40SISO_Ant1_5230

11AC20SISO_Ant1_5180

11AC20SISO_Ant1_5200



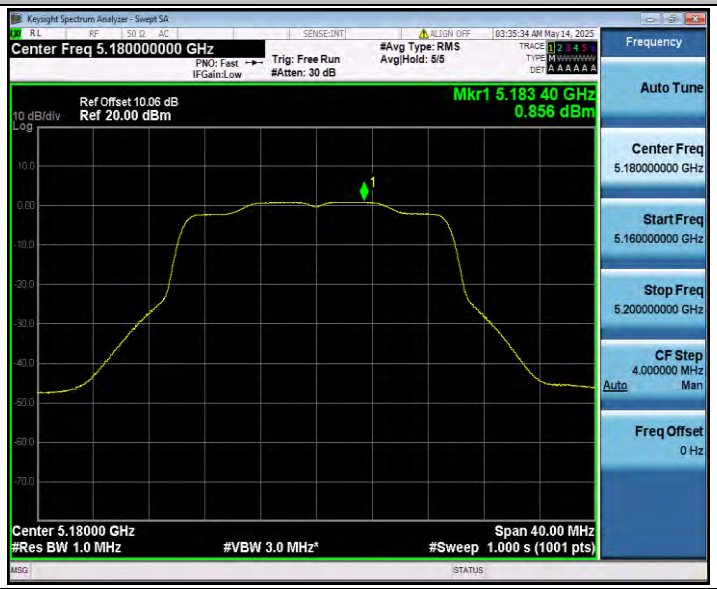
11AC20SISO_Ant1_5240

11AC40SISO_Ant1_5190

11AC40SISO_Ant1_5230

11AC80SISO_Ant1_5210

11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200

11AX20SISO_Ant1_5240

11AX40SISO_Ant1_5190

11AX40SISO_Ant1_5230

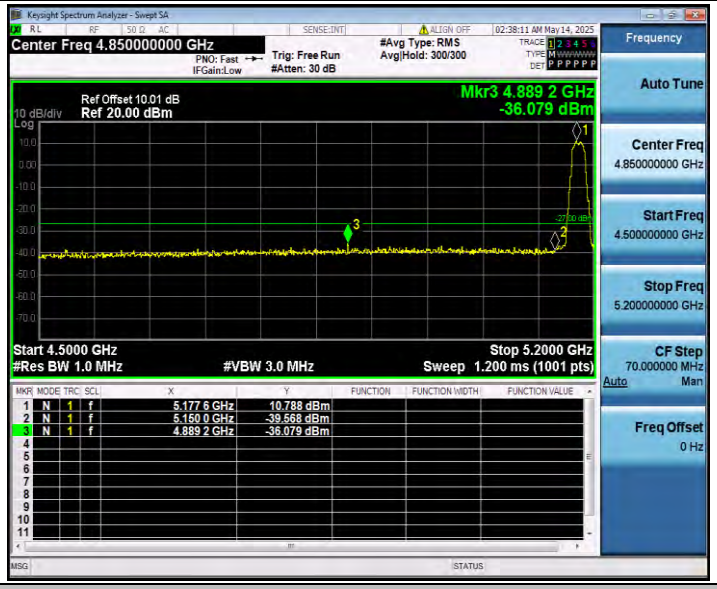
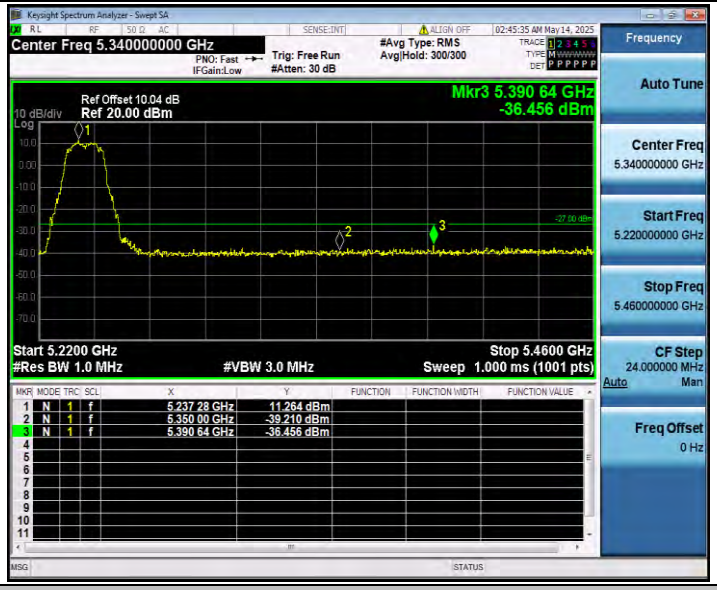
11AX80SISO_Ant1_5210

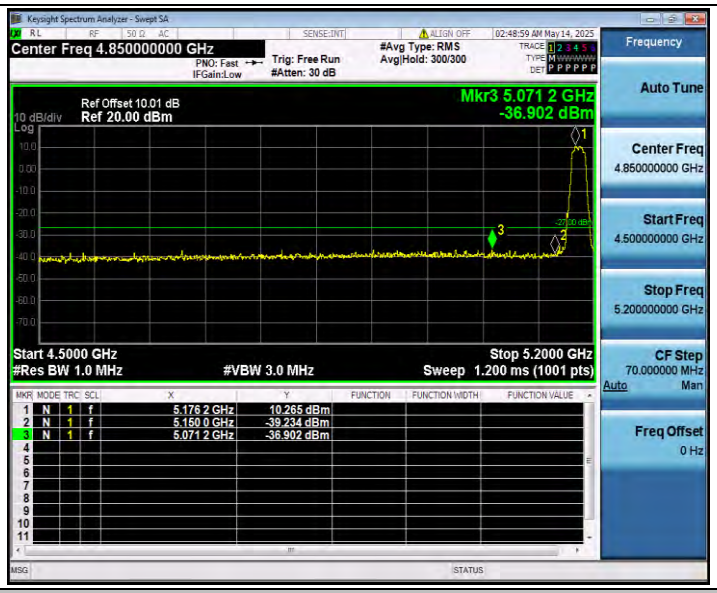
Appendix B.6: Band edge measurements

Test Result B1

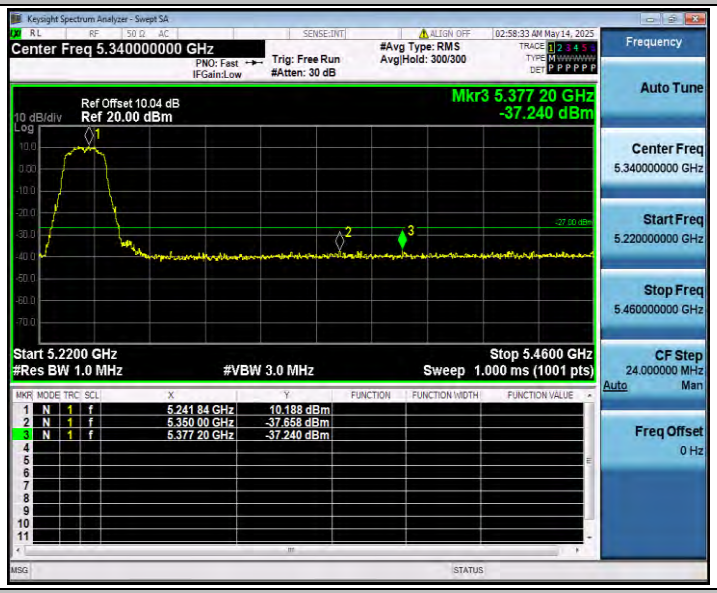
TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-36.08	≤-27	PASS
		High	5240	-36.46	≤-27	PASS
11N20SISO	Ant1	Low	5180	-36.9	≤-27	PASS
		High	5240	-37.24	≤-27	PASS
11N40SISO	Ant1	Low	5190	-36.39	≤-27	PASS
		High	5230	-36.62	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-36.28	≤-27	PASS
		High	5240	-36.69	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-36.63	≤-27	PASS
		High	5230	-36.27	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-36.01	≤-27	PASS
		High	5210	-37.45	≤-27	PASS
11AX20SISO	Ant1	Low	5180	-36.42	≤-27	PASS
		High	5240	-36.14	≤-27	PASS
11AX40SISO	Ant1	Low	5190	-36.68	≤-27	PASS
		High	5230	-36.94	≤-27	PASS
11AX80SISO	Ant1	Low	5210	-35.39	≤-27	PASS
		High	5210	-37.35	≤-27	PASS

Test Graphs B1

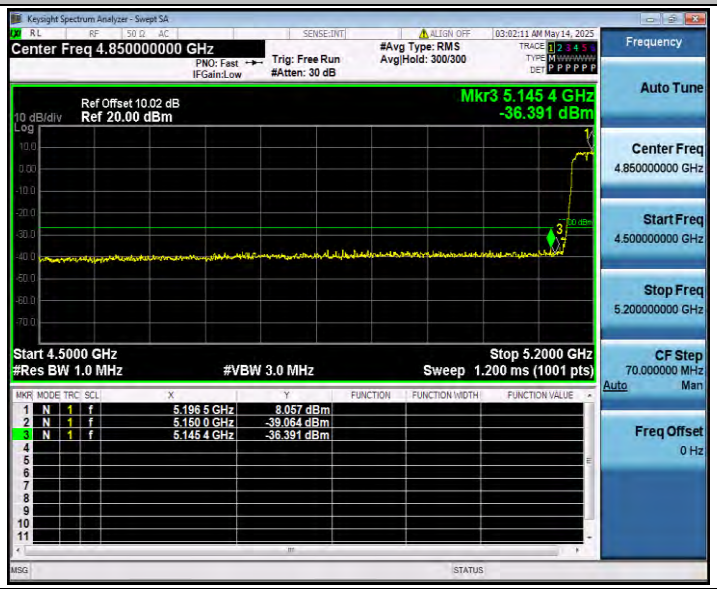
11A_Ant1_Low_5180

11A_Ant1_High_5240

11N20SISO_Ant1_Low_5180

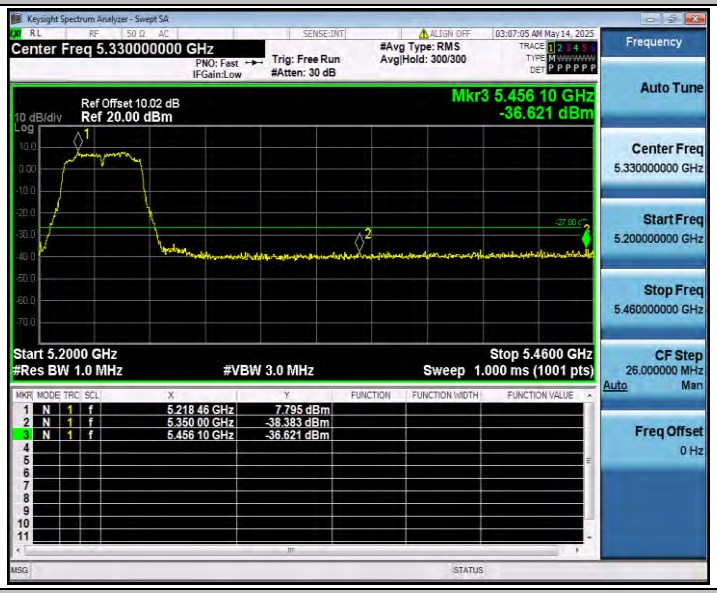
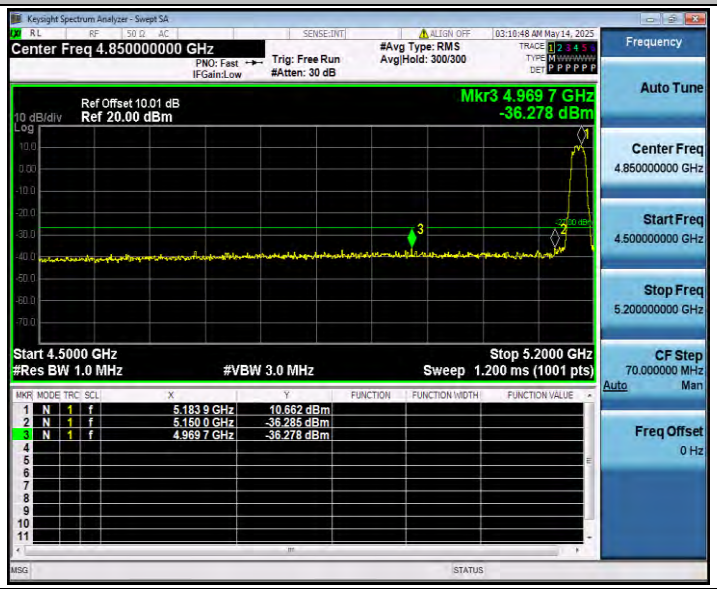


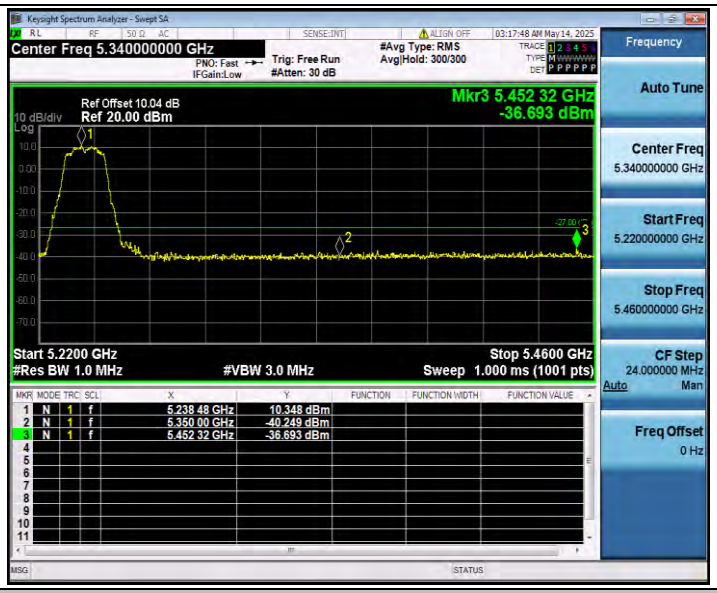
11N20SISO_Ant1_High_5240



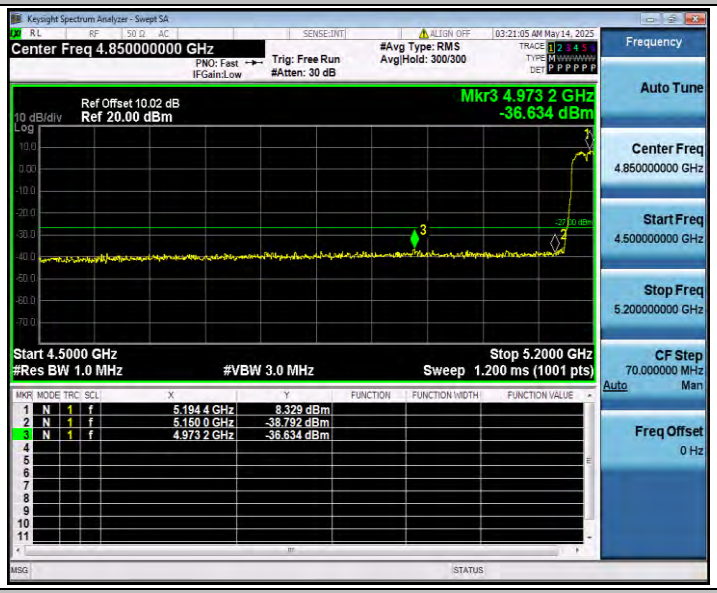
11N40SISO_Ant1_Low_5190



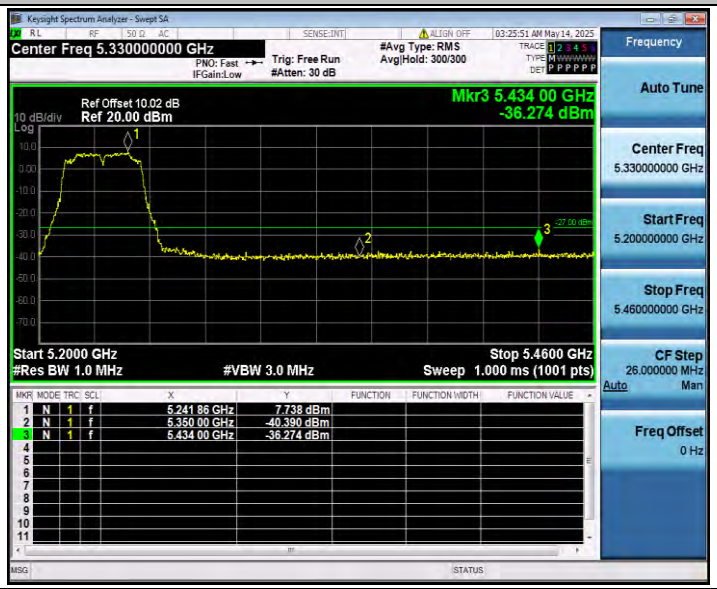
11N40SISO_Ant1_High_5230

11AC20SISO_Ant1_Low_5180

11AC20SISO_Ant1_High_5240

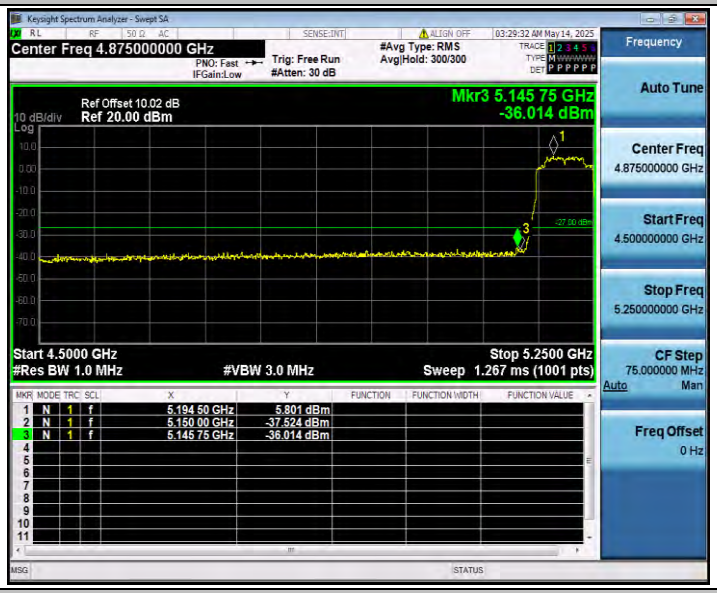
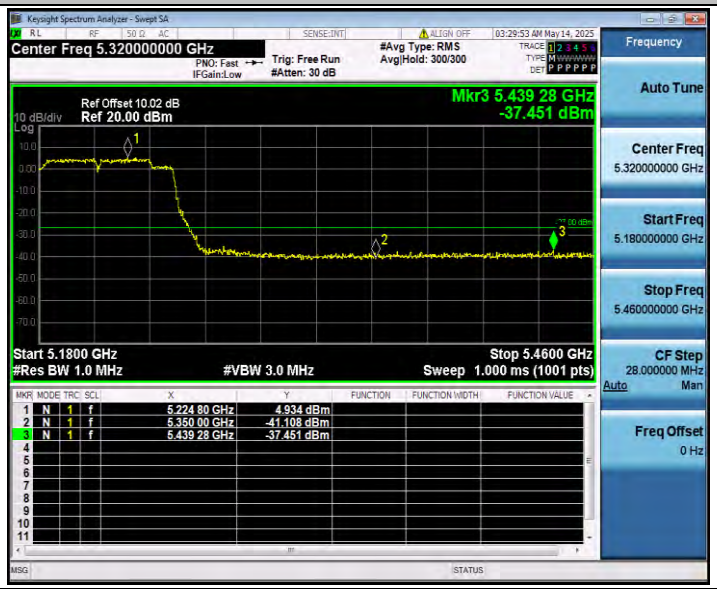


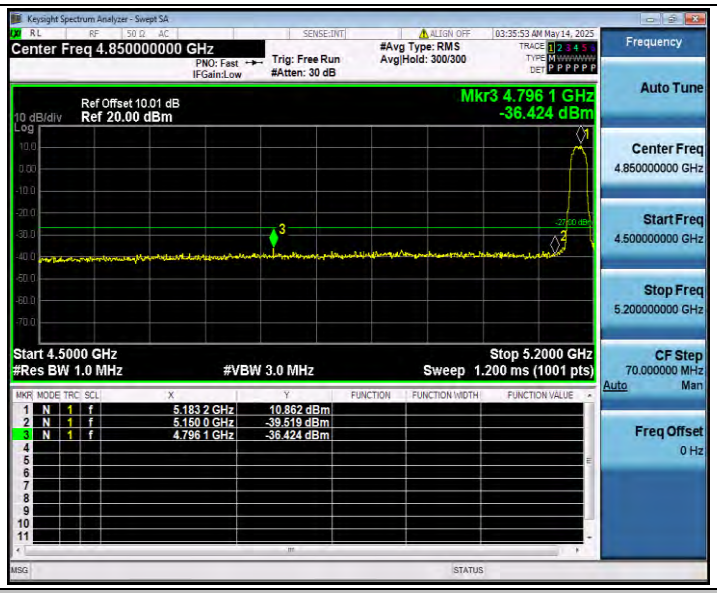
11AC40SISO_Ant1_Low_5190



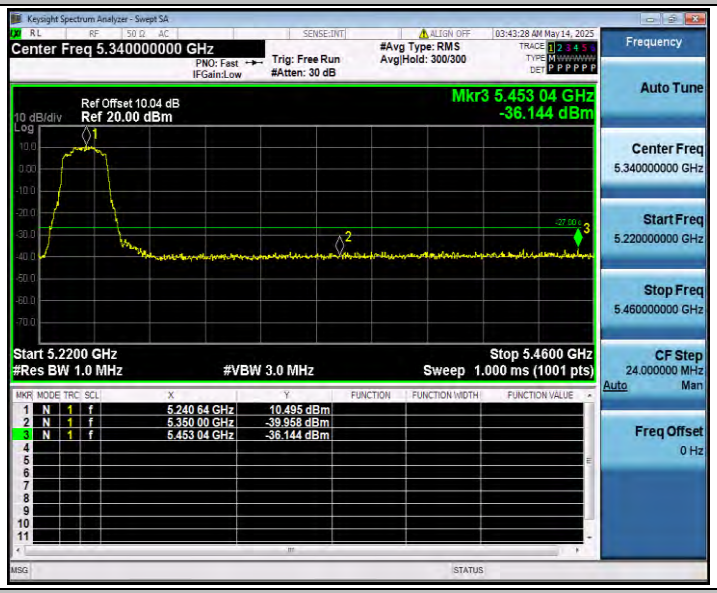
11AC40SISO_Ant1_High_5230



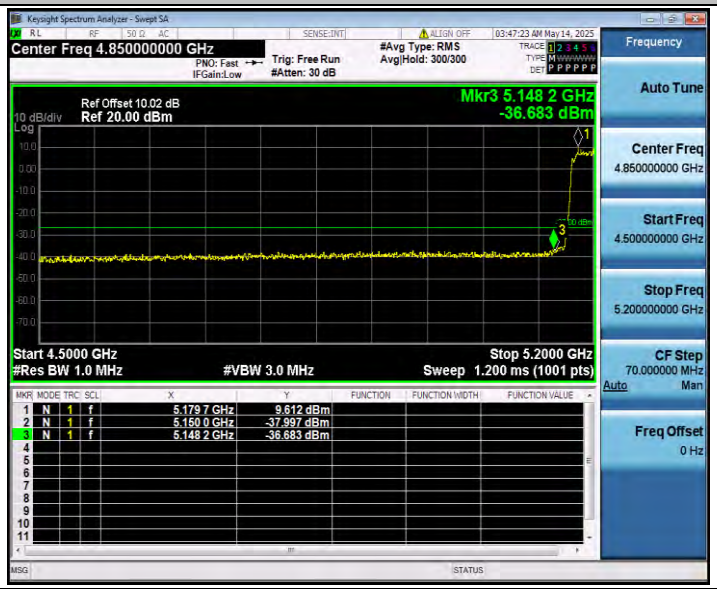
11AC80SISO_Ant1_Low_5210

11AC80SISO_Ant1_High_5210

11AX20SISO_Ant1_Low_5180

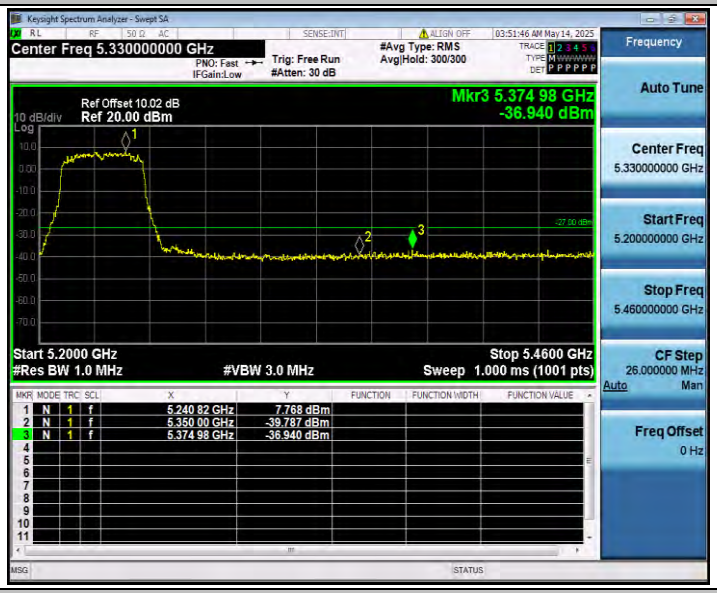
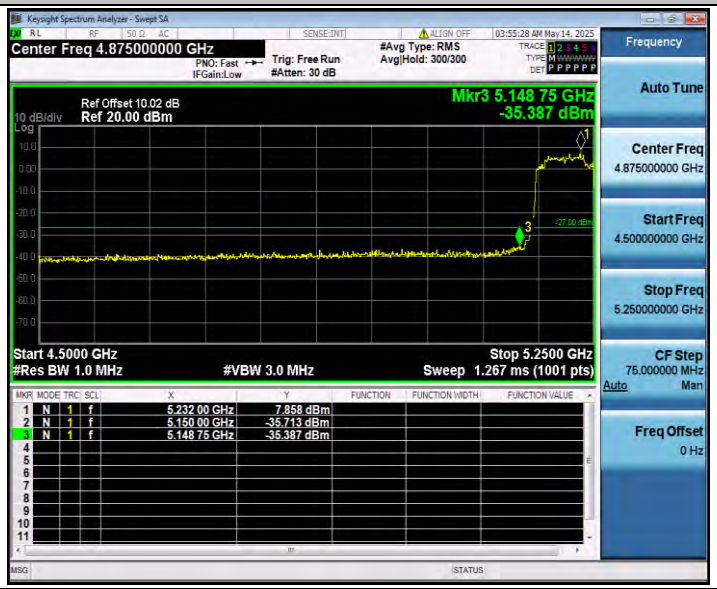


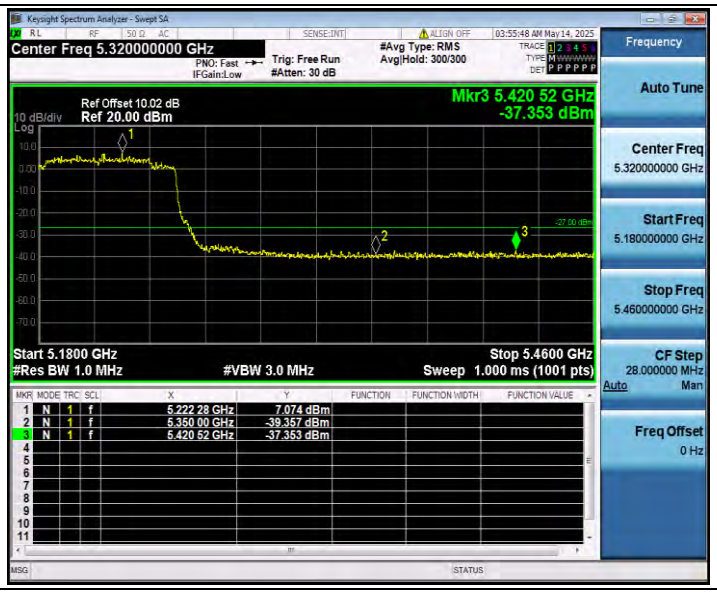
11AX20SISO_Ant1_High_5240



11AX40SISO_Ant1_Low_5190



11AX40SISO_Ant1_High_5230

11AX80SISO_Ant1_Low_5210

11AX80SISO_Ant1_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
03:55:48 AM May 14, 2025
Frequency
Ref Offset 10.02 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr3 5.420 52 GHz
-37.353 dBm
-27.00 dBm
Start 5.1800 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 5.4600 GHz
Sweep 1.000 ms (1001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 5.222 28 GHz 7.074 dBm
2 N 1 f 5.350 00 GHz -39.357 dBm
3 N 1 f 5.420 52 GHz -37.353 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

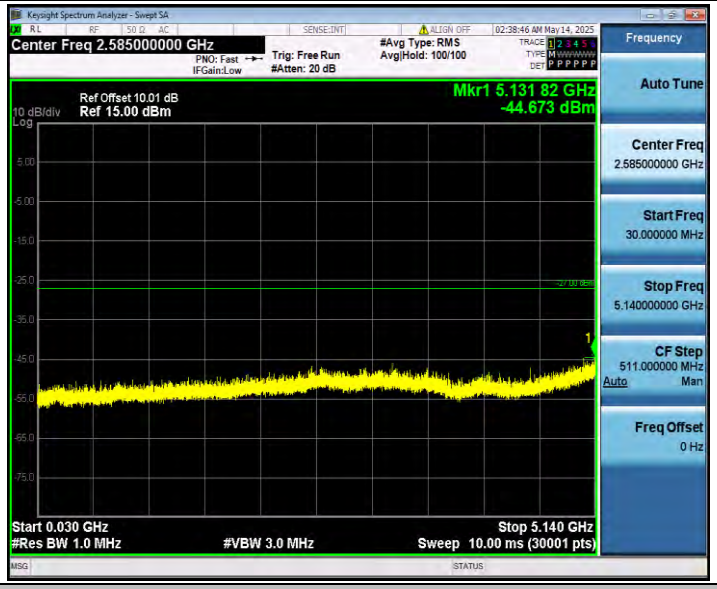
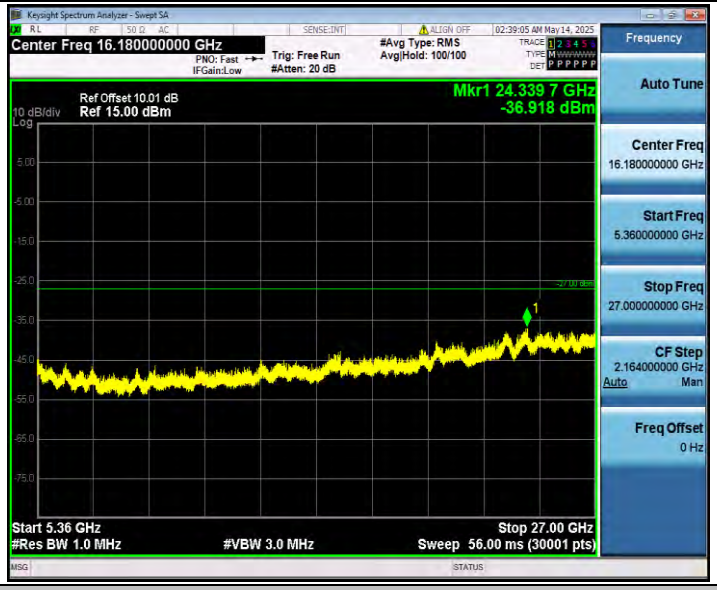
Appendix B.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	5131.82	-44.67	≤-27	PASS
			5360~27000	24339.72	-36.92	≤-27	PASS
		5200	30~5140	5133.19	-45.02	≤-27	PASS
			5360~27000	25229.85	-36.79	≤-27	PASS
		5240	30~5140	5077.83	-45.57	≤-27	PASS
			5360~27000	24883.61	-37.33	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5135.57	-44.24	≤-27	PASS
			5360~27000	24178.14	-37.2	≤-27	PASS
		5200	30~5140	5136.08	-45.16	≤-27	PASS
			5360~27000	24287.07	-36.44	≤-27	PASS
		5240	30~5140	2681.07	-45.62	≤-27	PASS
			5360~27000	26539.07	-36.43	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5137.45	-42.77	≤-27	PASS
			5360~27000	23616.95	-36.55	≤-27	PASS
		5230	30~5140	5126.03	-44.83	≤-27	PASS
			5360~27000	24121.16	-36.47	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	4950.93	-44.6	≤-27	PASS
			5360~27000	23549.86	-37.12	≤-27	PASS
		5200	30~5140	5106.79	-45.16	≤-27	PASS
			5360~27000	24234.41	-36.9	≤-27	PASS
		5240	30~5140	5061.31	-45.16	≤-27	PASS
			5360~27000	24330.35	-37.36	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	5131.99	-42.48	≤-27	PASS
			5360~27000	24332.51	-37.1	≤-27	PASS
		5230	30~5140	5110.19	-44.5	≤-27	PASS
			5360~27000	26464.05	-37.27	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5116.66	-42.26	≤-27	PASS
			5360~27000	24227.19	-37.06	≤-27	PASS
11AX20SISO	Ant1	5180	30~5140	5137.96	-44.37	≤-27	PASS
			5360~27000	26065.15	-36.81	≤-27	PASS
		5200	30~5140	5109	-44.74	≤-27	PASS
			5360~27000	26708.58	-37.09	≤-27	PASS
		5240	30~5140	5058.41	-43.64	≤-27	PASS
			5360~27000	26492.9	-37.09	≤-27	PASS
11AX40SISO	Ant1	5190	30~5140	5136.08	-42.14	≤-27	PASS
			5360~27000	26855.01	-36.84	≤-27	PASS

		5230	30~5140	5082.77	-45.01	≤-27	PASS
			5360~27000	24775.41	-36.72	≤-27	PASS
11AX80SISO	Ant1	5210	30~5140	5139.83	-39.44	≤-27	PASS
			5360~27000	24191.85	-37.21	≤-27	PASS

Test Graphs

11A_Ant1_5180_30~5140

11A_Ant1_5180_5360~27000

11A_Ant1_5200_30~5140

11A_Ant1_5200_5360~27000

11A_Ant1_5240_30~5140

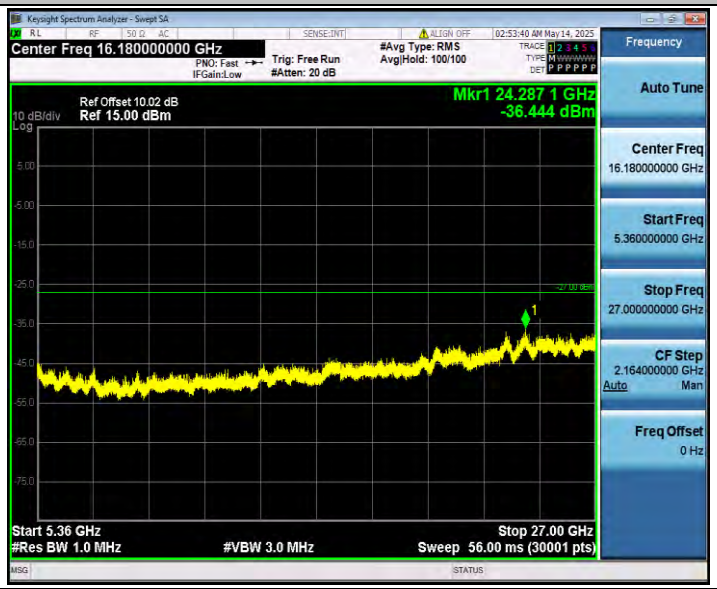
11A_Ant1_5240_5360~27000

11N20SISO_Ant1_5180_30~5140

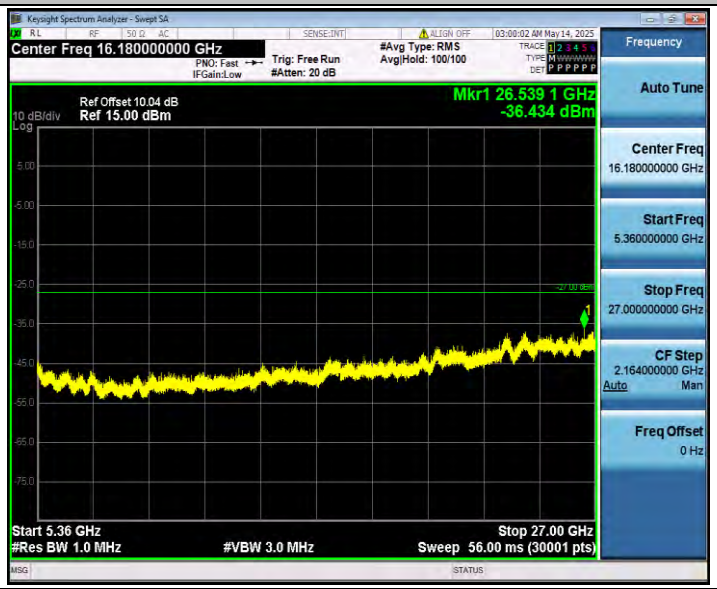
11N20SISO_Ant1_5180_5360~27000

11N20SISO_Ant1_5200_30~5140

11N20SISO_Ant1_5200_5360~27000

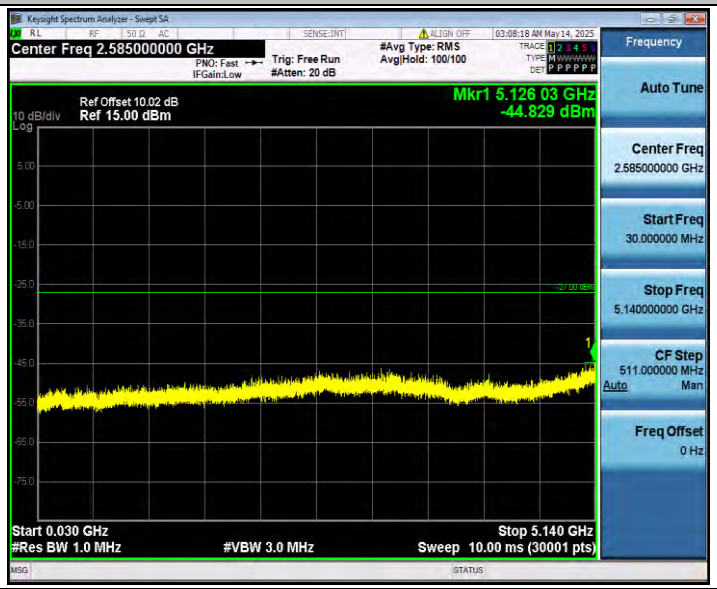


11N20SISO_Ant1_5240_30~5140

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

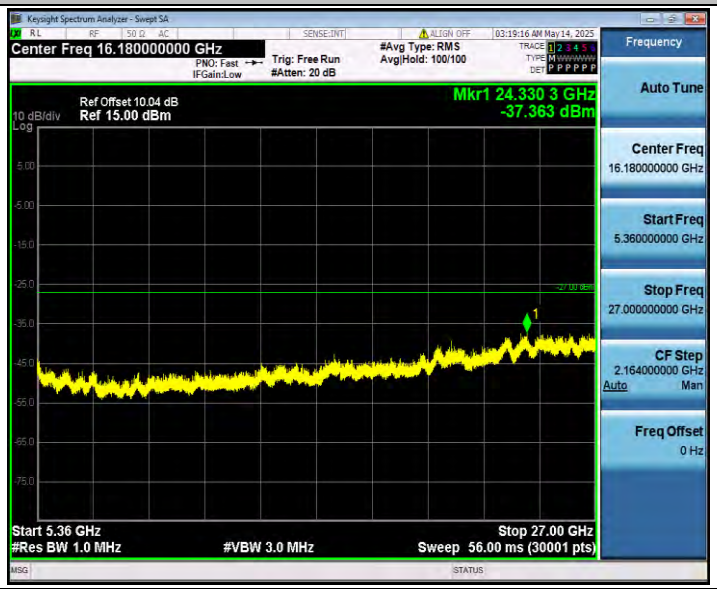
11AC20SISO_Ant1_5180_30~5140

11AC20SISO_Ant1_5180_5360~27000

11AC20SISO_Ant1_5200_30~5140

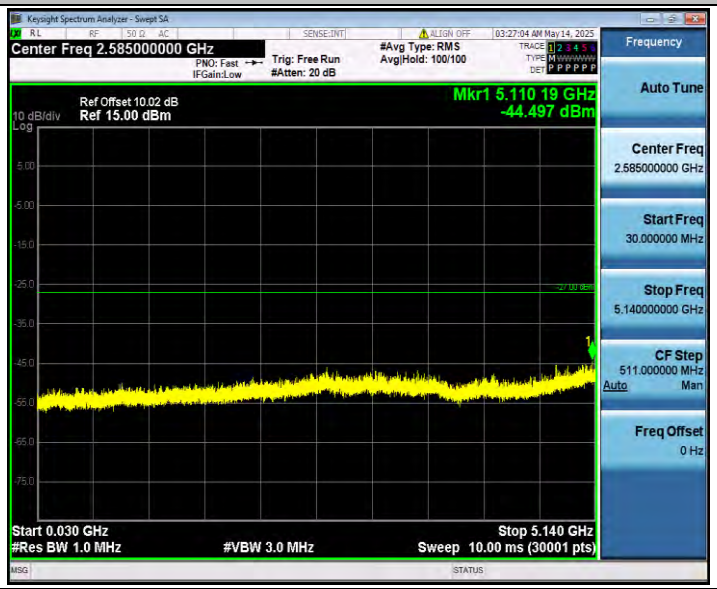
11AC20SISO_Ant1_5200_5360~27000

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



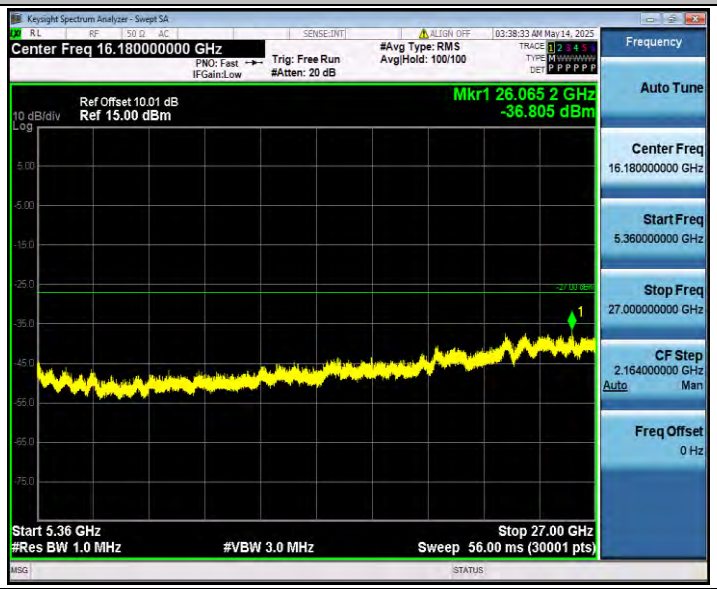
11AC40SISO_Ant1_5230_5360~27000

11AC80SISO_Ant1_5210_30~5140

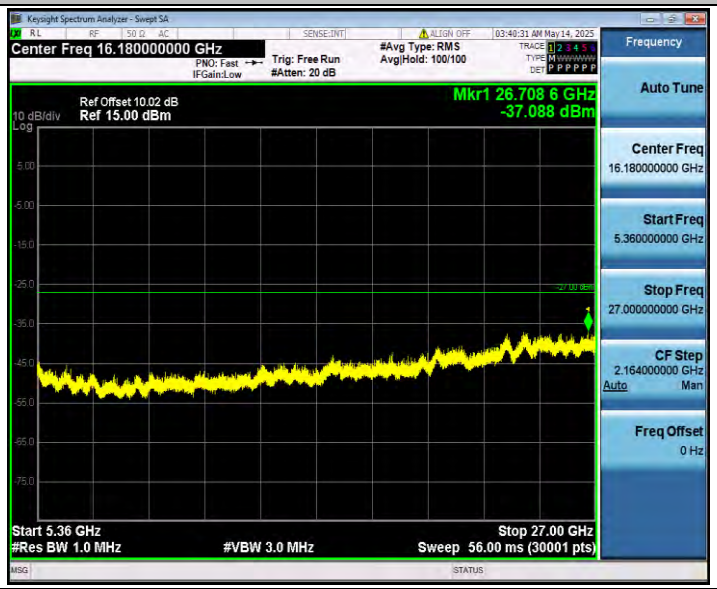
11AC80SISO_Ant1_5210_5360~27000

11AX20SISO_Ant1_5180_30~5140

11AX20SISO_Ant1_5180_5360~27000



11AX20SISO_Ant1_5200_30~5140

11AX20SISO_Ant1_5200_5360~27000

11AX20SISO_Ant1_5240_30~5140

11AX20SISO_Ant1_5240_5360~27000

11AX40SISO_Ant1_5190_30~5140

11AX40SISO_Ant1_5190_5360~27000

11AX40SISO_Ant1_5230_30~5140

11AX40SISO_Ant1_5230_5360~27000

11AX80SISO_Ant1_5210_30~5140

11AX80SISO_Ant1_5210_5360~27000