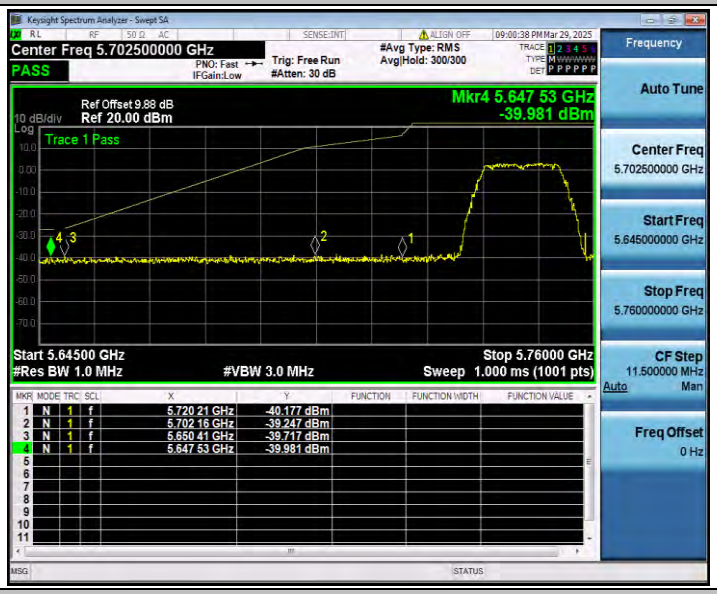
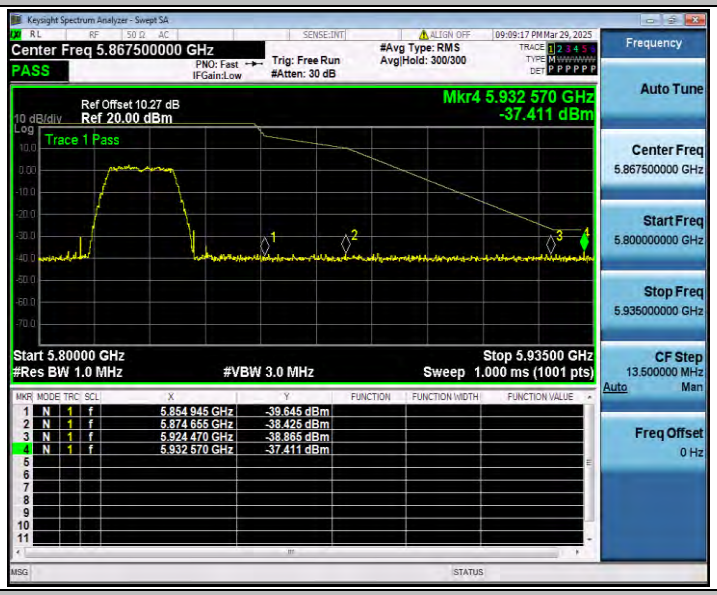
Appendix E.6: Band edge measurements

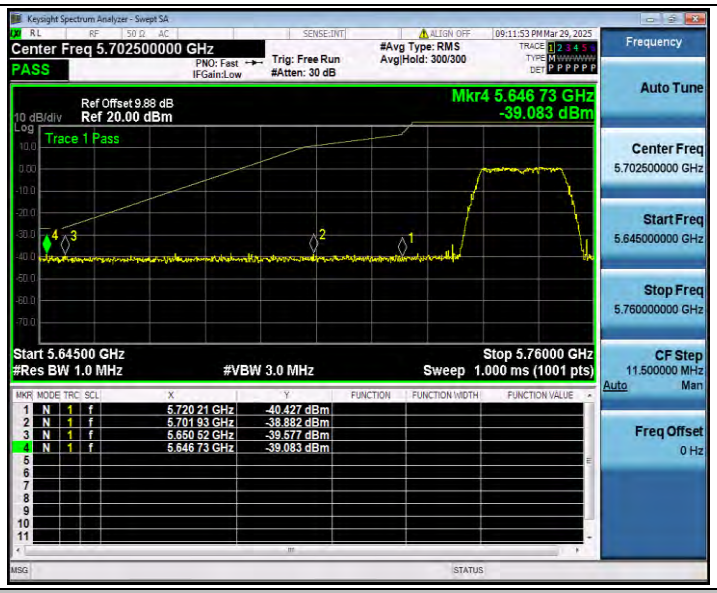
Test Result B4

TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-39.72	≤-26.70	PASS
				5700~5720	-39.25	≤10.60	PASS
				5720~5725	-40.18	≤16.08	PASS
				5760~5650	-39.98	≤-27	PASS
		High	5825	5850~5855	-39.65	≤15.73	PASS
				5855~5875	-38.43	≤10.10	PASS
				5875~5925	-38.87	≤-26.61	PASS
				5925~5935	-37.41	≤-27	PASS
11N20SISO	Ant1	Low	5745	5650~5700	-39.58	≤-26.62	PASS
				5700~5720	-38.88	≤10.54	PASS
				5720~5725	-40.43	≤16.08	PASS
				5760~5650	-39.08	≤-27	PASS
		High	5825	5850~5855	-39.48	≤15.73	PASS
				5855~5875	-37.94	≤10.17	PASS
				5875~5925	-37.92	≤-26.91	PASS
				5925~5935	-38.33	≤-27	PASS
11N40SISO	Ant1	Low	5755	5650~5700	-40.2	≤-26.90	PASS
				5700~5720	-40.54	≤10.25	PASS
				5720~5725	-40.38	≤16.04	PASS
				5780~5650	-39.3	≤-27	PASS
		High	5795	5850~5855	-39.43	≤16.41	PASS
				5855~5875	-38.69	≤10.02	PASS
				5875~5925	-38.92	≤-25.98	PASS
				5925~5935	-39.07	≤-27	PASS
11AC20SISO	Ant1	Low	5745	5650~5700	-40.19	≤-26.62	PASS
				5700~5720	-40.03	≤10.02	PASS
				5720~5725	-40.5	≤15.82	PASS
				5760~5650	-39.44	≤-27	PASS
		High	5825	5850~5855	-39.86	≤15.73	PASS
				5855~5875	-39.75	≤10.02	PASS
				5875~5925	-38.54	≤-26.91	PASS
				5925~5935	-38.14	≤-27	PASS
11AC40SISO	Ant1	Low	5755	5650~5700	-39.82	≤-26.40	PASS
				5700~5720	-39.28	≤10.06	PASS
				5720~5725	-39.82	≤15.74	PASS

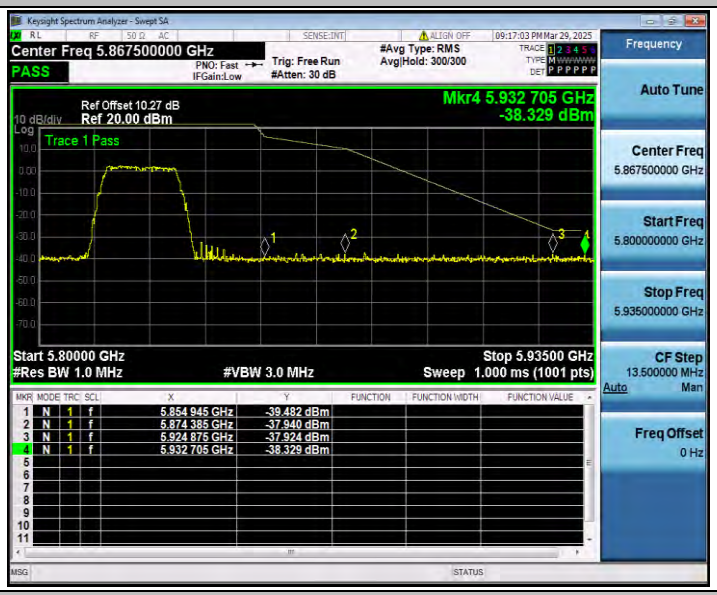
				5780~5650	-39.86	≤-27	PASS
		High	5795	5850~5855	-39.45	≤15.66	PASS
				5855~5875	-38.13	≤11.03	PASS
				5875~5925	-38.85	≤-25.49	PASS
				5925~5935	-38.9	≤-27	PASS
11AC80SISO	Ant1	Low	5775	5650~5700	-40.27	≤-26.23	PASS
				5700~5720	-39.74	≤10.05	PASS
				5720~5725	-40.04	≤16.35	PASS
				5800~5650	-39.2	≤-27	PASS
		High	5775	5850~5855	-39.41	≤15.84	PASS
				5855~5875	-40.18	≤10.04	PASS
				5875~5925	-39.97	≤-26.60	PASS
				5925~5935	-38.63	≤-27	PASS
11AX20SISO	Ant1	Low	5745	5650~5700	-41.16	≤-26.87	PASS
				5700~5720	-39.4	≤10.25	PASS
				5720~5725	-39.6	≤16.34	PASS
				5760~5650	-40	≤-27	PASS
		High	5825	5850~5855	-38.89	≤16.34	PASS
				5855~5875	-39.19	≤10.70	PASS
				5875~5925	-38.94	≤-26.71	PASS
				5925~5935	-37.81	≤-27	PASS
11AX40SISO	Ant1	Low	5755	5650~5700	-40.9	≤-26.80	PASS
				5700~5720	-39.41	≤10.55	PASS
				5720~5725	-39.88	≤15.74	PASS
				5780~5650	-39.68	≤-27	PASS
		High	5795	5850~5855	-39.91	≤15.66	PASS
				5855~5875	-38.19	≤10.89	PASS
				5875~5925	-38.15	≤-26.22	PASS
				5925~5935	-38.21	≤-27	PASS
11AX80SISO	Ant1	Low	5775	5650~5700	-39.75	≤-25.65	PASS
				5700~5720	-39.9	≤10.22	PASS
				5720~5725	-40.13	≤15.65	PASS
				5800~5650	-39.78	≤-27	PASS
		High	5775	5850~5855	-38.43	≤16.26	PASS
				5855~5875	-39.12	≤10.24	PASS
				5875~5925	-40.31	≤-26.73	PASS
				5925~5935	-38.51	≤-27	PASS

Test Graphs B4

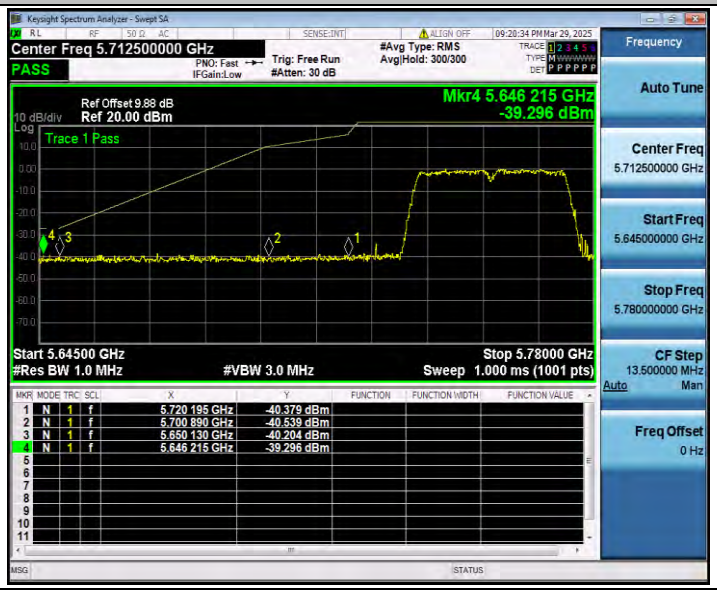
11A_Ant1_Low_5745

11A_Ant1_High_5825

11N20SISO_Ant1_Low_5745



11N20SISO_Ant1_High_5825

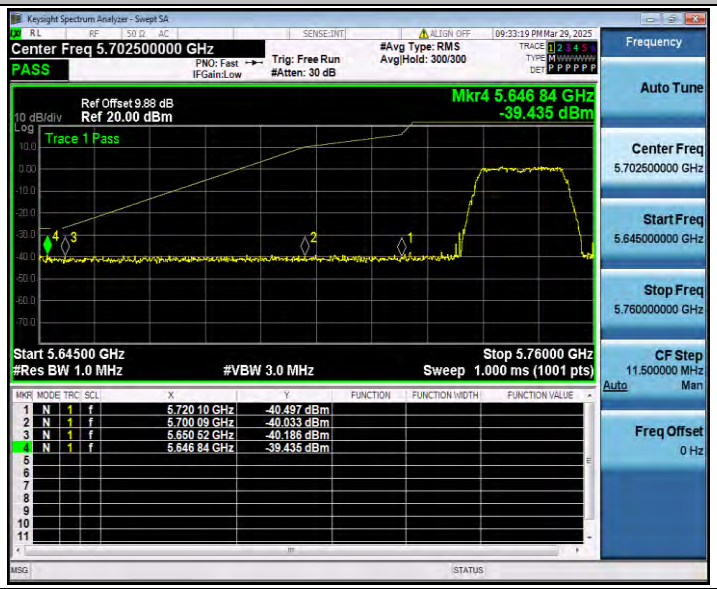


11N40SISO_Ant1_Low_5755

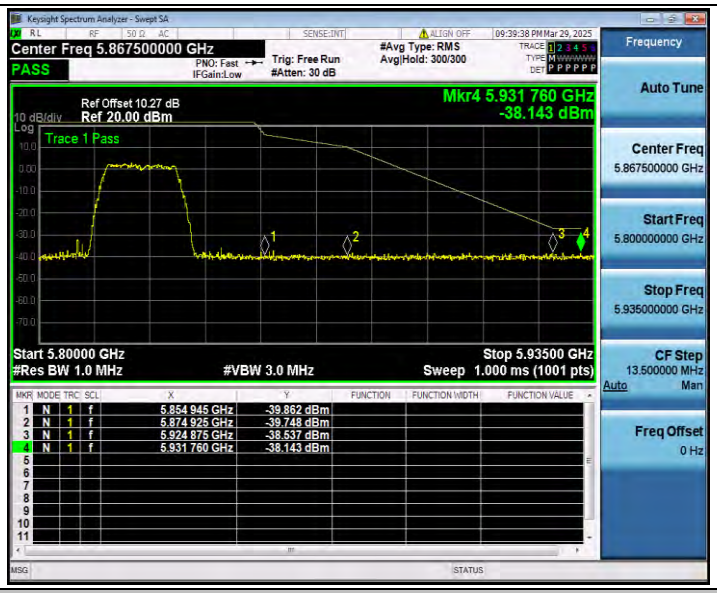


11N40SISO_Ant1_High_5795

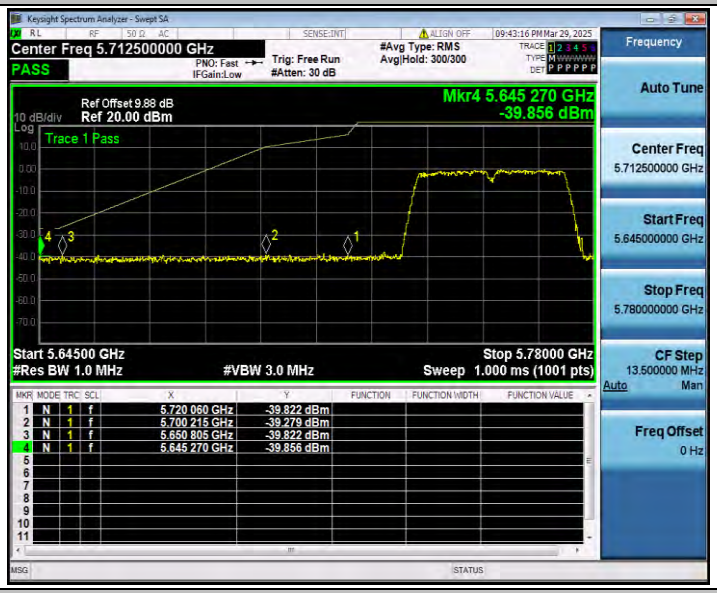
11AC20SISO_Ant1_Low_5745



11AC20SISO_Ant1_High_5825

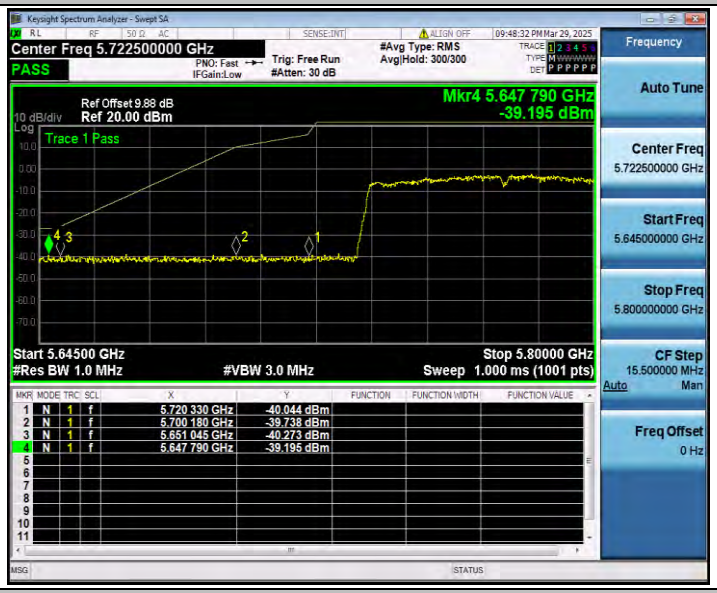


11AC40SISO_Ant1_Low_5755



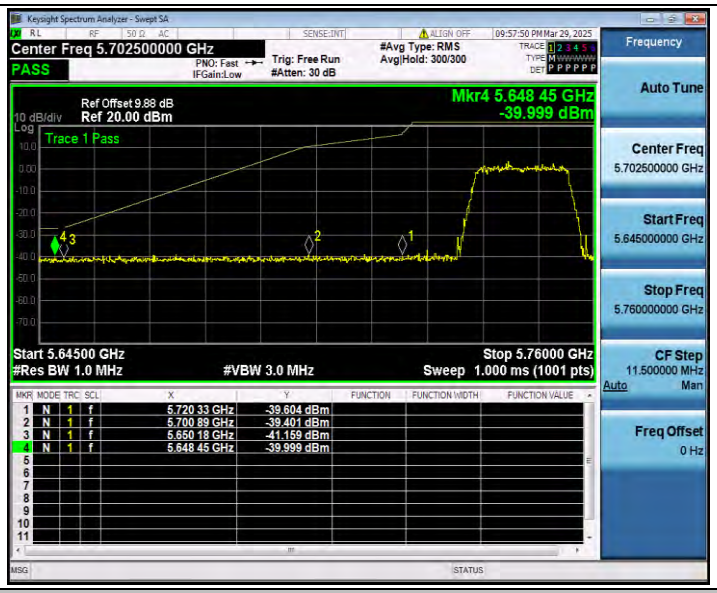
11AC40SISO_Ant1_High_5795

11AC80SISO_Ant1_Low_5775

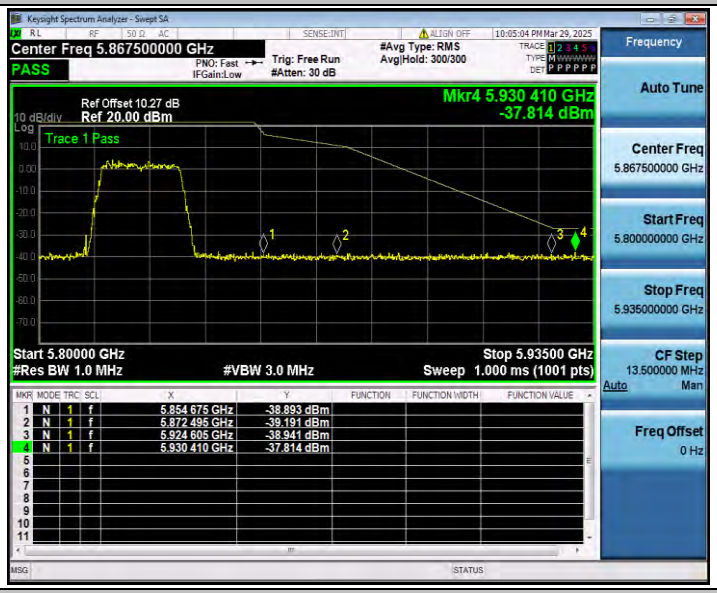


11AC80SISO_Ant1_High_5775

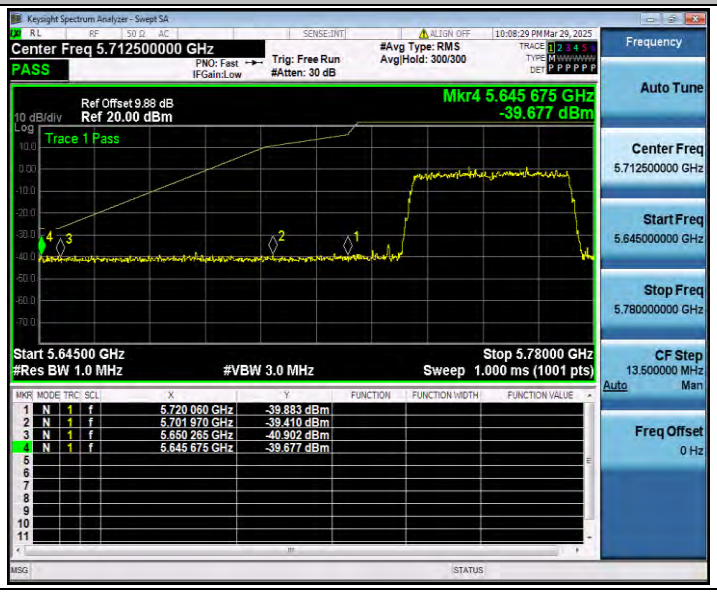
11AX20SISO_Ant1_Low_5745



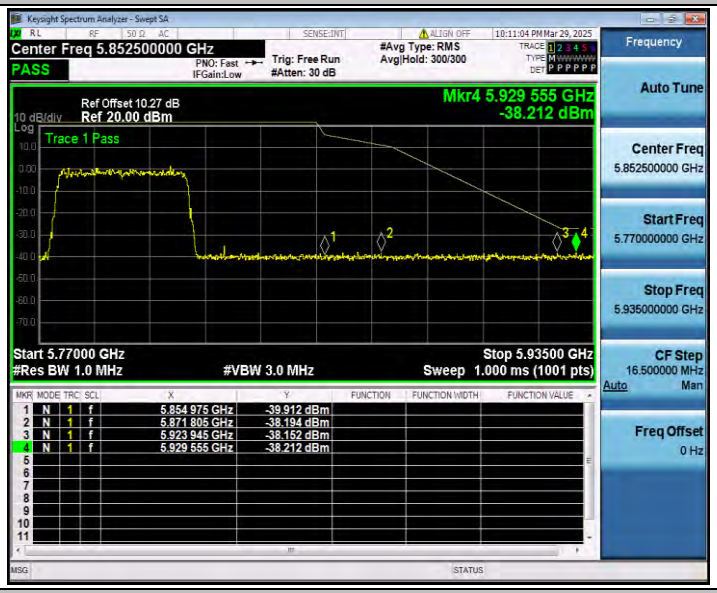
11AX20SISO_Ant1_High_5825



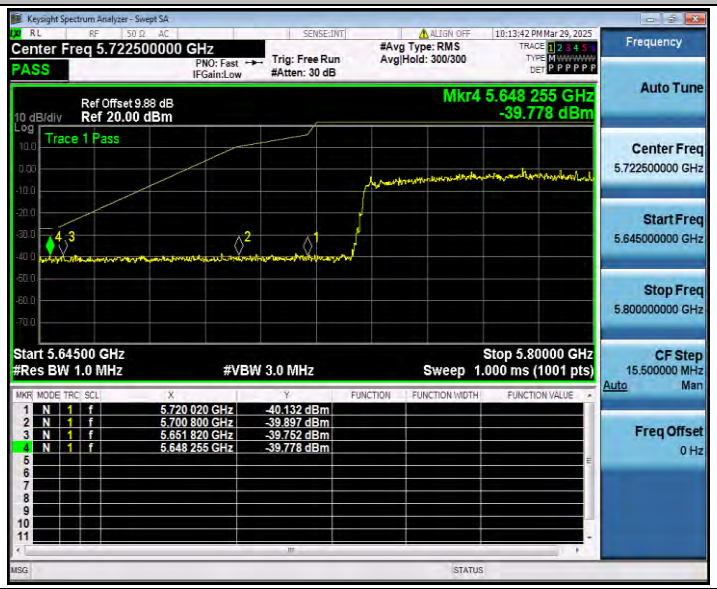
11AX40SISO_Ant1_Low_5755



11AX40SISO_Ant1_High_5795



11AX80SISO_Ant1_Low_5775



11AX80SISO_Ant1_High_5775

Keysight Spectrum Analyzer - Swept SA
Center Freq 5.842500000 GHz
PASS
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 300/300
10:13:59 PM Mar 29, 2025
Frequency
Auto Tune
Center Freq
5.842500000 GHz
Start Freq
5.750000000 GHz
Stop Freq
5.935000000 GHz
CF Step
18.500000 MHz
Auto
Man
Freq Offset
0 Hz
Ref Offset 9.88 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr4 5.931 300 GHz
-38.509 dBm
Trace 1 Pass
Start 5.75000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 5.93500 GHz
Sweep 1.000 ms (1001 pts)
1 N 1 f 5.854 710 GHz -38.430 dBm
2 N 1 f 5.874 135 GHz -39.122 dBm
3 N 1 f 5.924 640 GHz -40.312 dBm
4 N 1 f 5.931 300 GHz -38.509 dBm

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	5745	30~5650	4971.67	-39.11	≤-27	PASS
			5925~27000	24220.91	-32.22	≤-27	PASS
		5785	30~5650	2522.84	-39.12	≤-27	PASS
			5925~27000	24865.81	-31.72	≤-27	PASS
		5825	30~5650	5472.6	-39.71	≤-27	PASS
			5925~27000	26098.69	-31.31	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5440.94	-40.63	≤-27	PASS
			5925~27000	25044.24	-31.43	≤-27	PASS
		5785	30~5650	4785.83	-39.34	≤-27	PASS
			5925~27000	26649.45	-30.99	≤-27	PASS
		5825	30~5650	5486.08	-40.25	≤-27	PASS
			5925~27000	23528.25	-31.85	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5552.77	-40.01	≤-27	PASS
			5925~27000	26711.27	-32.09	≤-27	PASS
		5795	30~5650	5510.81	-39.01	≤-27	PASS
			5925~27000	24175.95	-30.58	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5463.98	-40.34	≤-27	PASS
			5925~27000	24333.31	-32.09	≤-27	PASS
		5785	30~5650	5438.31	-39.46	≤-27	PASS
			5925~27000	26015.1	-32.17	≤-27	PASS
		5825	30~5650	5088.37	-39.56	≤-27	PASS
			5925~27000	24257.44	-30.96	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5431.76	-40.21	≤-27	PASS
			5925~27000	24271.49	-32.2	≤-27	PASS
		5795	30~5650	5413.59	-39.64	≤-27	PASS
			5925~27000	24223.72	-31.45	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	3143.67	-40.49	≤-27	PASS
			5925~27000	24325.58	-31.9	≤-27	PASS
11AX20SISO	Ant1	5745	30~5650	5439.06	-38.52	≤-27	PASS
			5925~27000	26511.76	-32.11	≤-27	PASS
		5785	30~5650	5456.48	-39.96	≤-27	PASS
			5925~27000	24184.38	-32.01	≤-27	PASS
		5825	30~5650	5584.43	-40.49	≤-27	PASS
			5925~27000	26069.89	-31.73	≤-27	PASS
11AX40SISO	Ant1	5755	30~5650	5447.31	-39.1	≤-27	PASS
			5925~27000	25147.51	-31.53	≤-27	PASS

		5795	30~5650	3020.59	-39.65	≤-27	PASS
			5925~27000	24142.93	-31.26	≤-27	PASS
11AX80SISO	Ant1	5775	30~5650	5626.77	-40.18	≤-27	PASS
			5925~27000	23561.26	-32.01	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650

11A_Ant1_5745_5925~27000

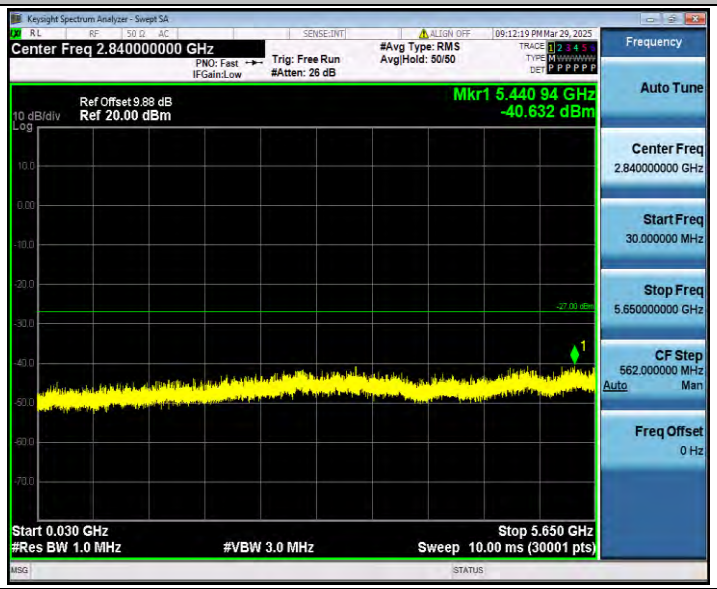
11A_Ant1_5785_30~5650

11A_Ant1_5785_5925~27000

11A_Ant1_5825_30~5650

11A_Ant1_5825_5925~27000

11N20SISO_Ant1_5745_30~5650



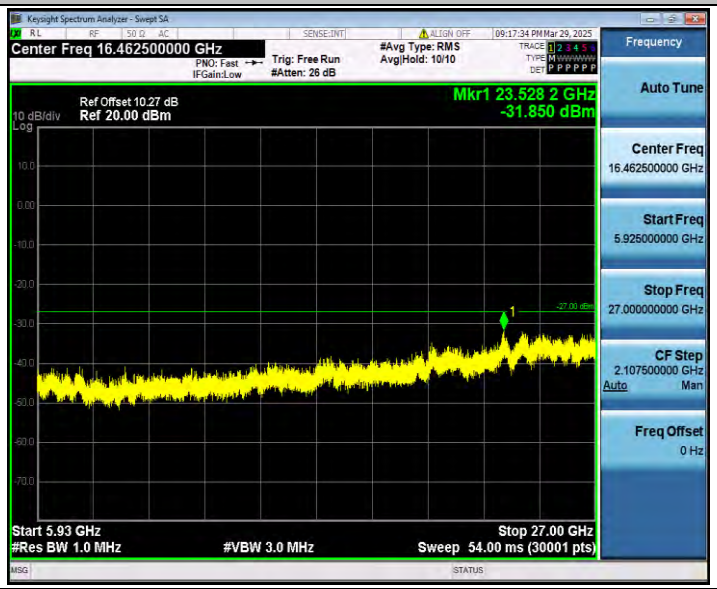
11N20SISO_Ant1_5745_5925~27000

11N20SISO_Ant1_5785_30~5650

11N20SISO_Ant1_5785_5925~27000

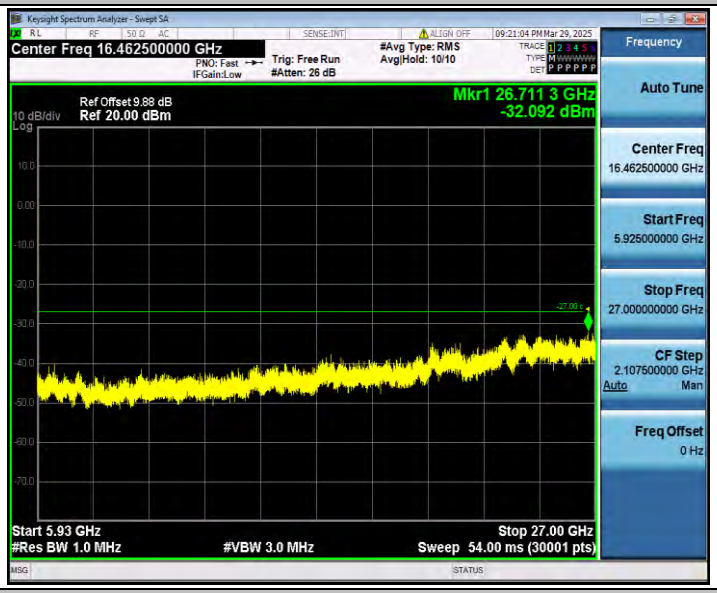
11N20SISO_Ant1_5825_30~5650

11N20SISO_Ant1_5825_5925~27000



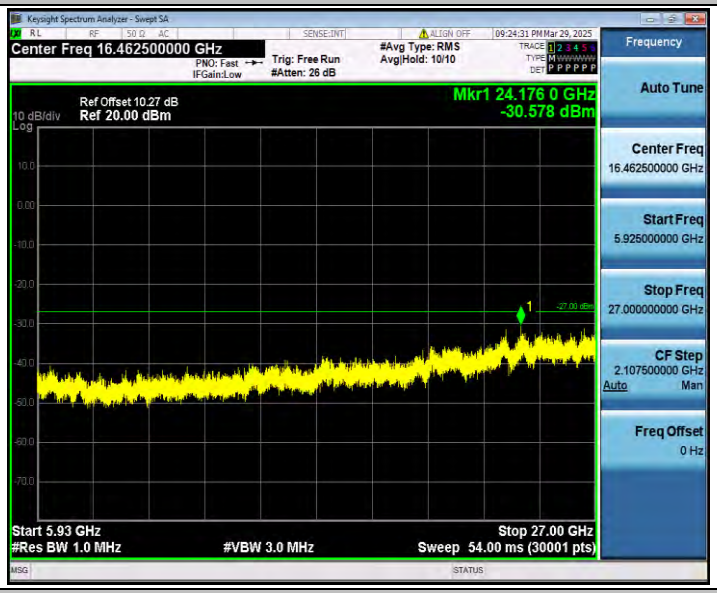
11N40SISO_Ant1_5755_30~5650

11N40SISO_Ant1_5755_5925~27000

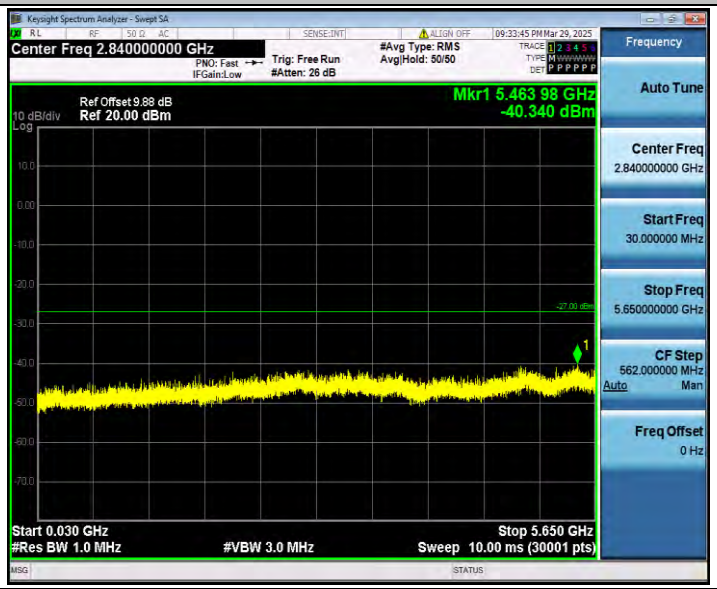


11N40SISO_Ant1_5795_30~5650

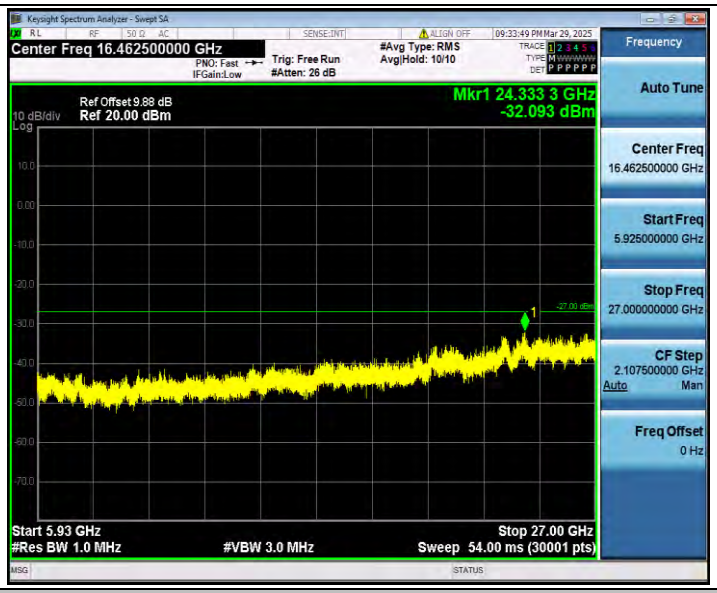
11N40SISO_Ant1_5795_5925~27000



11AC20SISO_Ant1_5745_30~5650



11AC20SISO_Ant1_5745_5925~27000



11AC20SISO_Ant1_5785_30~5650

11AC20SISO_Ant1_5785_5925~27000

11AC20SISO_Ant1_5825_30~5650

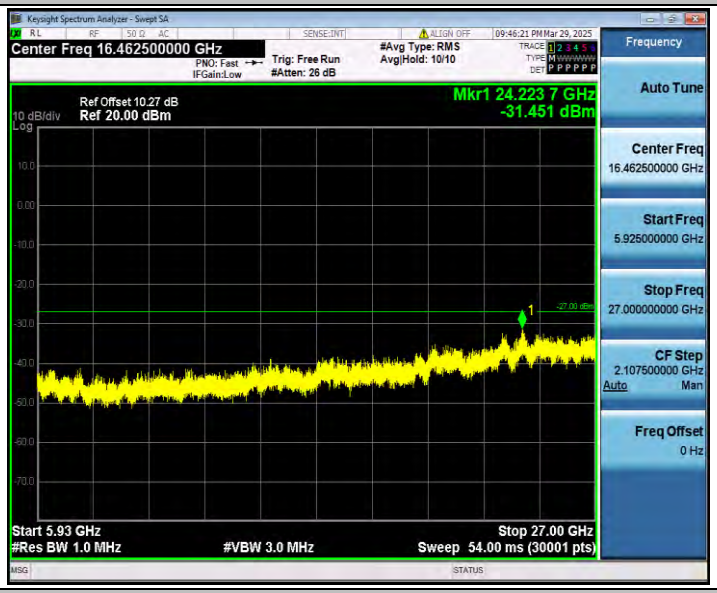
11AC20SISO_Ant1_5825_5925~27000

11AC40SISO_Ant1_5755_30~5650

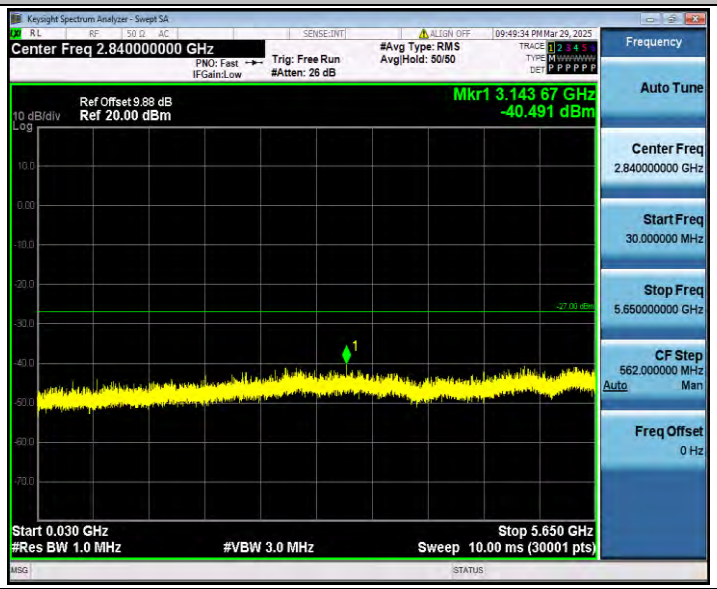
11AC40SISO_Ant1_5755_5925~27000

11AC40SISO_Ant1_5795_30~5650

11AC40SISO_Ant1_5795_5925~27000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~27000

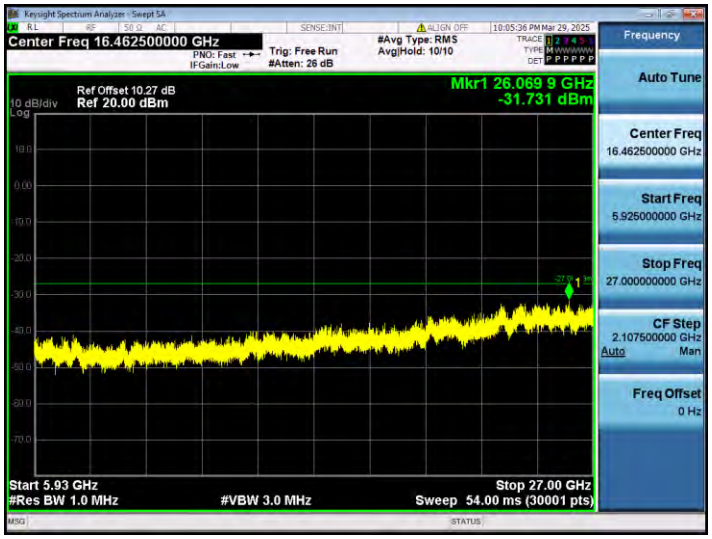
11AX20SISO_Ant1_5745_30~5650

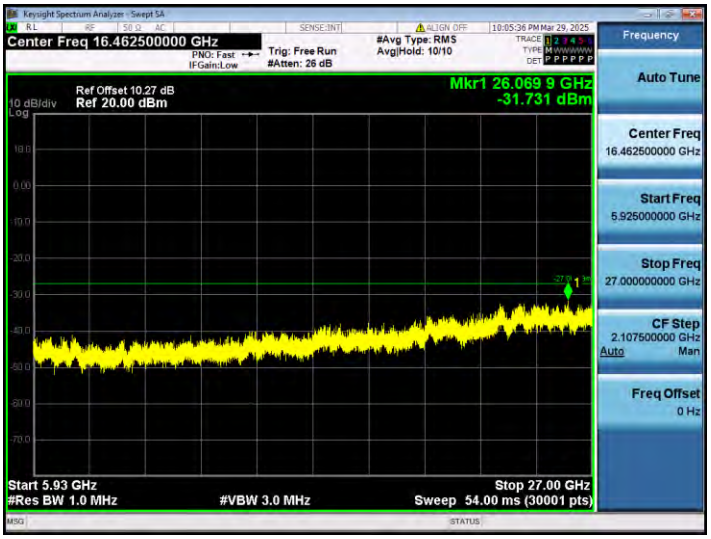
11AX20SISO_Ant1_5745_5925~27000

11AX20SISO_Ant1_5785_30~5650

11AX20SISO_Ant1_5785_5925~27000

11AX20SISO_Ant1_5825_30~5650



11AX20SISO_Ant1_5825_5925~27000


11AX40SISO_Ant1_5755_30~5650

11AX40SISO_Ant1_5755_5925~27000

11AX40SISO_Ant1_5795_30~5650

11AX40SISO_Ant1_5795_5925~27000

11AX80SISO_Ant1_5775_30~5650

11AX80SISO_Ant1_5775_5925~27000

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	5745	Peak	5650.000	-39.639	≤-27.00	---	---	PASS
				Peak	5700.000	-39.99	≤10.00	---	---	PASS
				Peak	5720.000	-39.49	≤15.60	---	---	PASS
				Peak	5725.000	-39.15	≤27.00	- --	- --	PASS
		High	5825	Peak	5850.000	-35.797	≤27.00	---	---	PASS
				Peak	5855.000	-36.03	≤15.60	---	---	PASS
				Peak	5875.000	-35.71	≤10.00	---	---	PASS
				Peak	5925.000	-35.43	≤-27.00	- --	- --	PASS
11N20SISO	Ant1	Low	5745	Peak	5650.000	-40.673	≤-27.00	---	---	PASS
				Peak	5700.000	-40.57	≤10.00	---	---	PASS
				Peak	5720.000	-39.35	≤15.60	---	---	PASS
				Peak	5725.000	-39.6	≤27.00	- --	- --	PASS
		High	5825	Peak	5850.000	-36.372	≤27.00	---	---	PASS
				Peak	5855.000	-36.99	≤15.60	---	---	PASS
				Peak	5875.000	-35.92	≤10.00	---	---	PASS
				Peak	5925.000	-35.52	≤-27.00	- --	- --	PASS
11N40SISO	Ant1	Low	5755	Peak	5650.000	-41.114	≤-27.00	---	---	PASS
				Peak	5700.000	-39.76	≤10.00	---	---	PASS
				Peak	5720.000	-39.18	≤15.60	---	---	PASS
				Peak	5725.000	-37.58	≤27.00	- --	- --	PASS
		High	5795	Peak	5850.000	-36.062	≤27.00	---	---	PASS
				Peak	5855.000	-35.89	≤15.60	---	---	PASS
				Peak	5875.000	-36.18	≤10.00	---	---	PASS
				Peak	5925.000	-36.52	≤-27.00	- --	- --	PASS
11AC20SISO	Ant1	Low	5745	Peak	5650.000	-39.932	≤-27.00	---	---	PASS
				Peak	5700.000	-40.07	≤10.00	---	---	PASS
				Peak	5720.000	-40.5	≤15.60	---	---	PASS
				Peak	5725.000	-39.22	≤27.00	- --	- --	PASS
		High	5825	Peak	5850.000	-35.7	≤27.00	---	---	PASS
				Peak	5855.000	-36.13	≤15.60	---	---	PASS

				Peak	5875.000	-36.46	≤10.00	---	---	PASS
				Peak	5925.000	-36.47	≤-27.00	- --	- --	PASS
11AC40SISO	Ant1	Low	5755	Peak	5650.000	-41.152	≤-27.00	---	---	PASS
				Peak	5700.000	-40.11	≤10.00	---	---	PASS
				Peak	5720.000	-39.43	≤15.60	---	---	PASS
				Peak	5725.000	-40.3	≤27.00	- --	- --	PASS
		High	5795	Peak	5850.000	-35.942	≤27.00	---	---	PASS
				Peak	5855.000	-36.85	≤15.60	---	---	PASS
				Peak	5875.000	-35.87	≤10.00	---	---	PASS
				Peak	5925.000	-35.34	≤-27.00	- --	- --	PASS
11AC80SISO	Ant1	Low	5775	Peak	5650.000	-41.186	≤-27.00	---	---	PASS
				Peak	5700.000	-39.13	≤10.00	---	---	PASS
				Peak	5720.000	-39.62	≤15.60	---	---	PASS
				Peak	5725.000	-39.61	≤27.00	- --	- --	PASS
		High	5775	Peak	5850.000	-35.761	≤27.00	---	---	PASS
				Peak	5855.000	-36.68	≤15.60	---	---	PASS
				Peak	5875.000	-36.3	≤10.00	---	---	PASS
				Peak	5925.000	-36.09	≤-27.00	- --	- --	PASS
11AX20SISO	Ant1	Low	5745	Peak	5650.000	-39.136	≤-27.00	---	---	PASS
				Peak	5700.000	-37.82	≤10.00	---	---	PASS
				Peak	5720.000	-39.22	≤15.60	---	---	PASS
				Peak	5725.000	-40.04	≤27.00	- --	- --	PASS
		High	5825	Peak	5850.000	-35.821	≤27.00	---	---	PASS
				Peak	5855.000	-36.79	≤15.60	---	---	PASS
				Peak	5875.000	-35.35	≤10.00	---	---	PASS
				Peak	5925.000	-36.51	≤-27.00	- --	- --	PASS
11AX40SISO	Ant1	Low	5755	Peak	5650.000	-41.499	≤-27.00	---	---	PASS
				Peak	5700.000	-39.94	≤10.00	---	---	PASS
				Peak	5720.000	-38.23	≤15.60	---	---	PASS
				Peak	5725.000	-39.46	≤27.00	- --	- --	PASS
		High	5795	Peak	5850.000	-35.945	≤27.00	---	---	PASS
				Peak	5855.000	-35.9	≤15.60	---	---	PASS
				Peak	5875.000	-36.6	≤10.00	---	---	PASS
				Peak	5925.000	-36.07	≤-27.00	- --	- --	PASS
11AX80SI	Ant1	Low	5775	Peak	5650.000	-39.97	≤-27.00	---	---	PASS

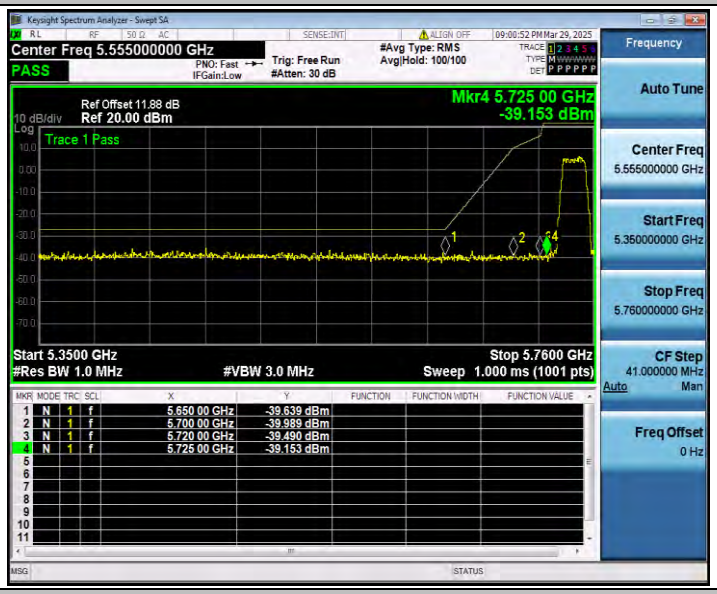
SO						9				
				Peak	5700.000	-39.62	≤10.00	---	---	PASS
				Peak	5720.000	-39.02	≤15.60	---	---	PASS
				Peak	5725.000	-37.75	≤27.00	- --	- --	PASS
		High	5775	Peak	5850.000	-36.18	≤27.00	---	---	PASS
				Peak	5855.000	-37.07	≤15.60	---	---	PASS
				Peak	5875.000	-36.67	≤10.00	---	---	PASS
				Peak	5925.000	-37.88	≤-27.00	- --	- --	PASS

Note：

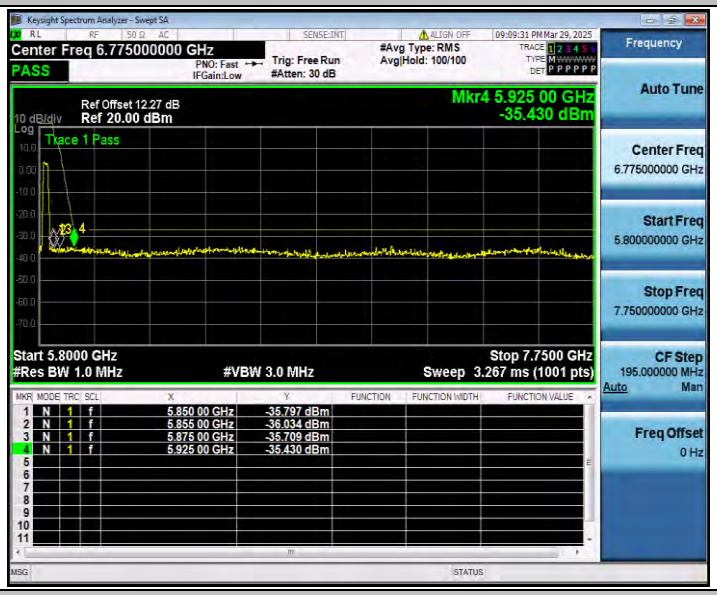
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm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

Test Graphs

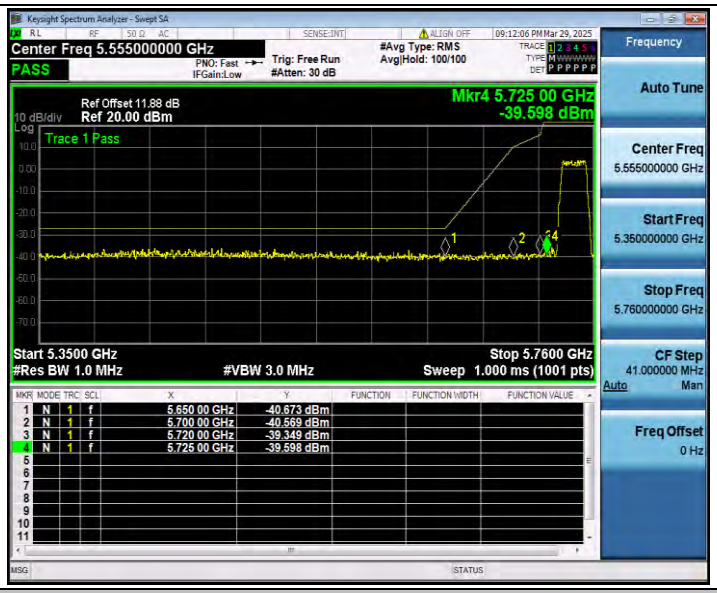
11A_Ant1_Low_5745_Peak



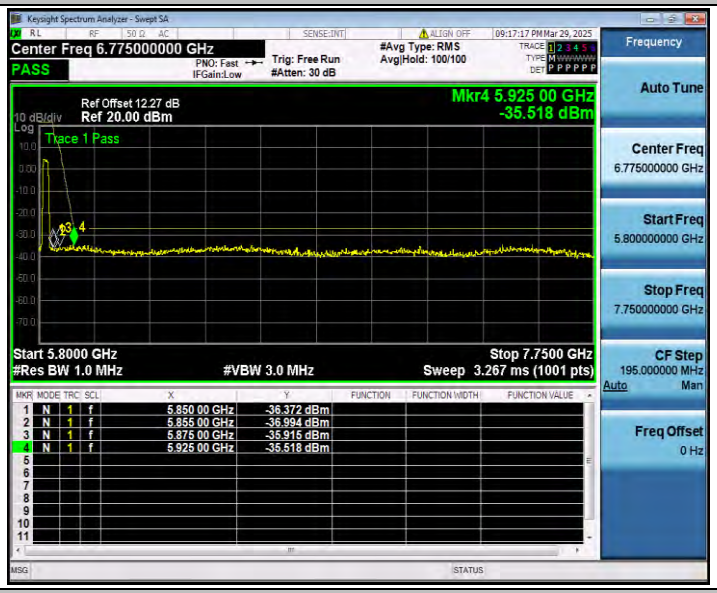
11A_Ant1_High_5825_Peak



11N20SISO_Ant1_Low_5745_Peak

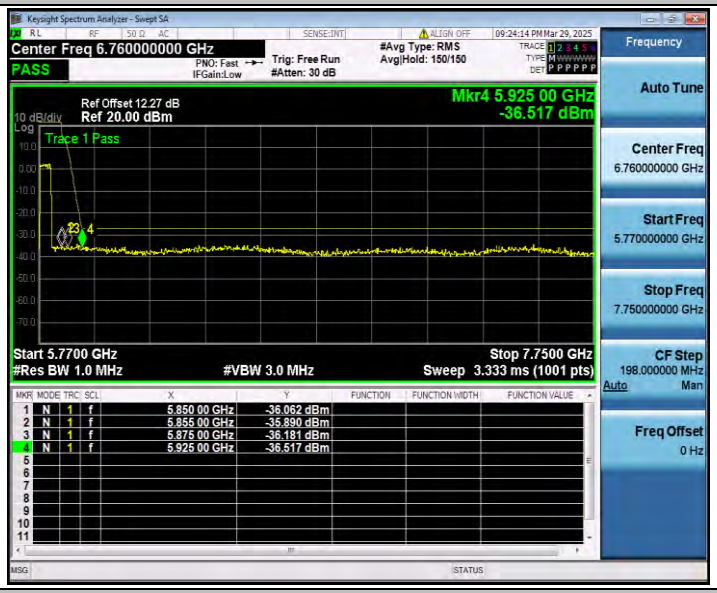


11N20SISO_Ant1_High_5825_Peak

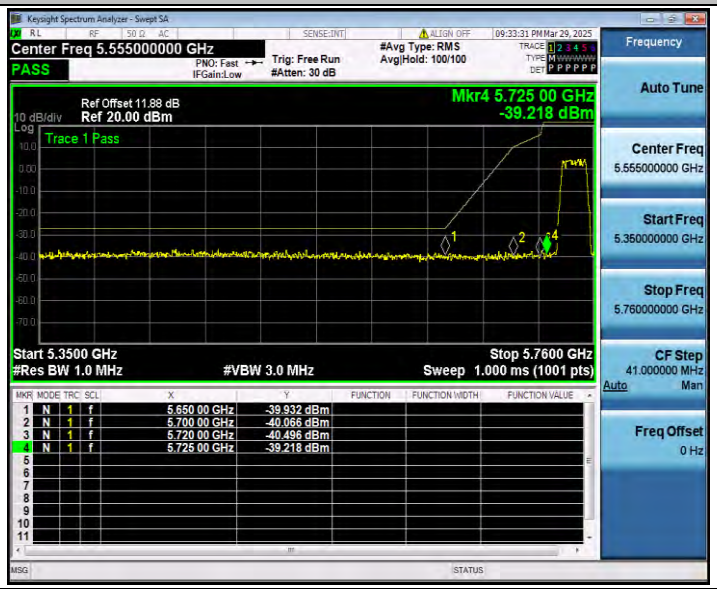


11N40SISO_Ant1_Low_5755_Peak

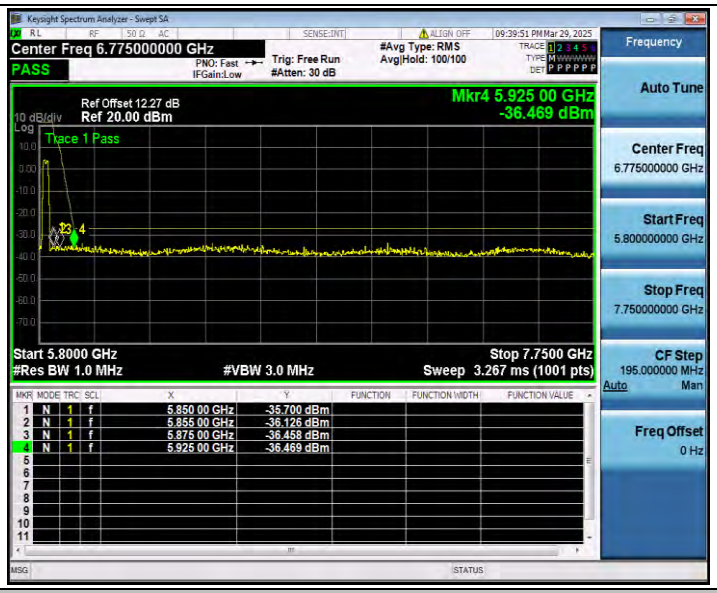
11N40SISO_Ant1_High_5795_Peak



11AC20SISO_Ant1_Low_5745_Peak



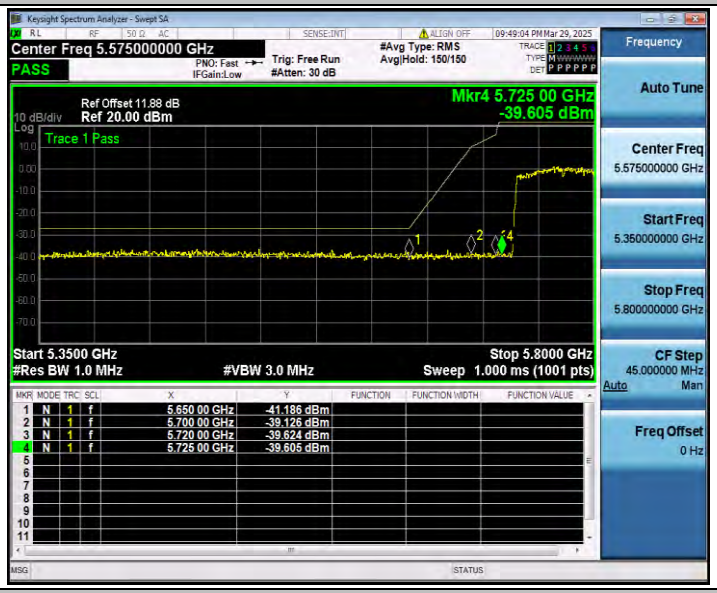
11AC20SISO_Ant1_High_5825_Peak



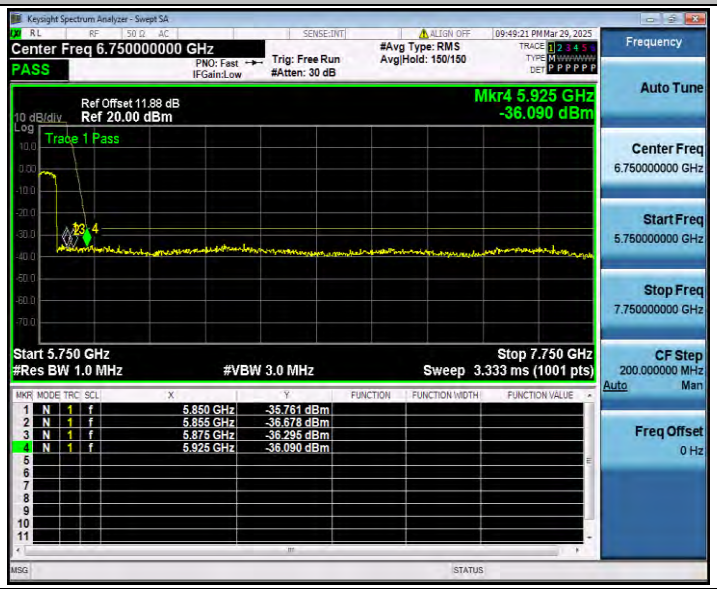
11AC40SISO_Ant1_Low_5755_Peak

11AC40SISO_Ant1_High_5795_Peak

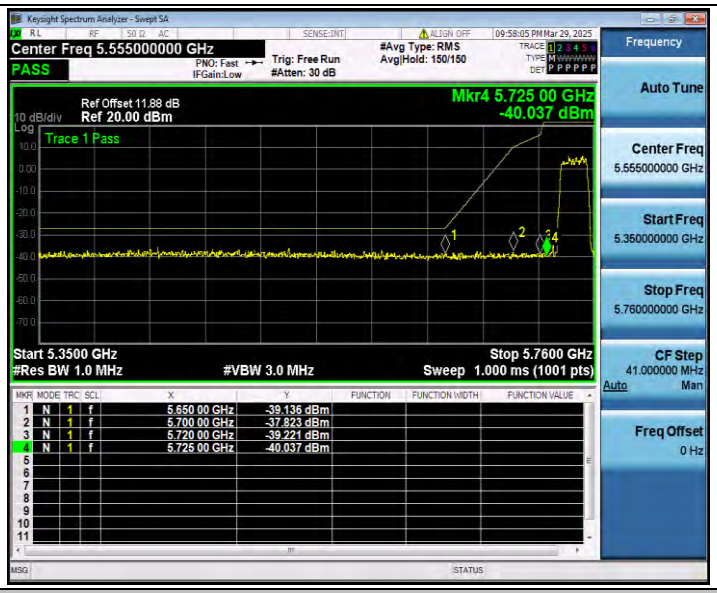
11AC80SISO_Ant1_Low_5775_Peak



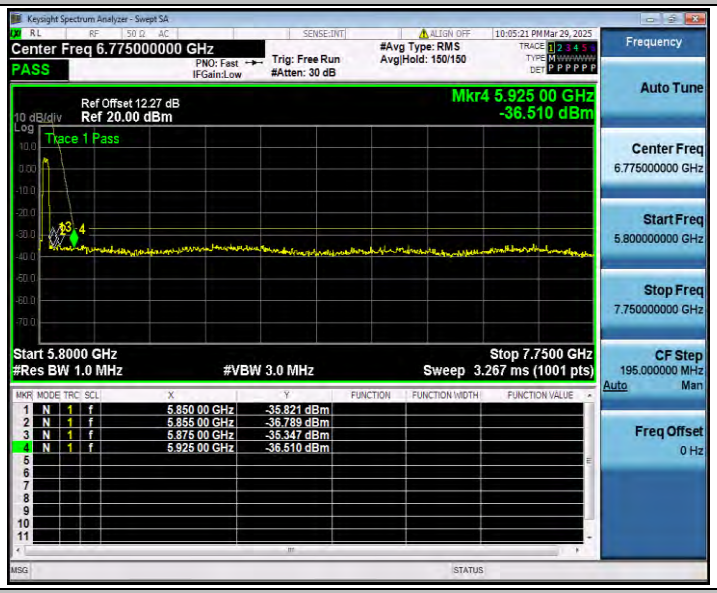
11AC80SISO_Ant1_High_5775_Peak



11AX20SISO_Ant1_Low_5745_Peak

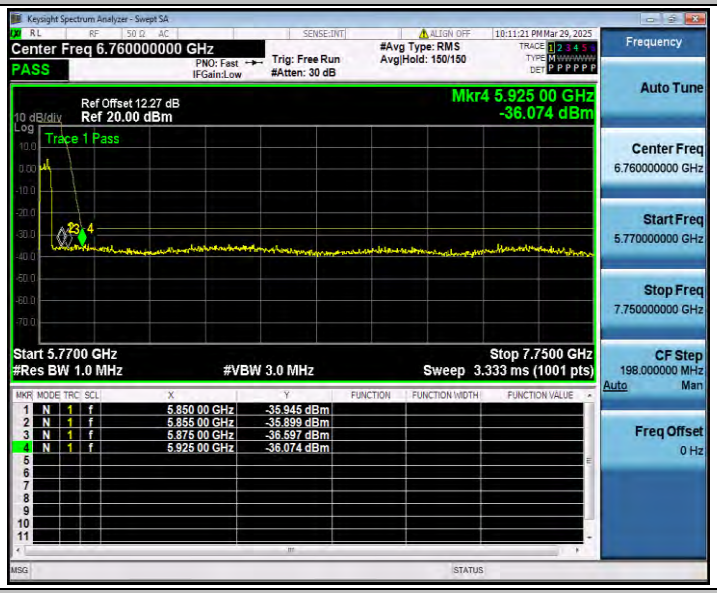


11AX20SISO_Ant1_High_5825_Peak

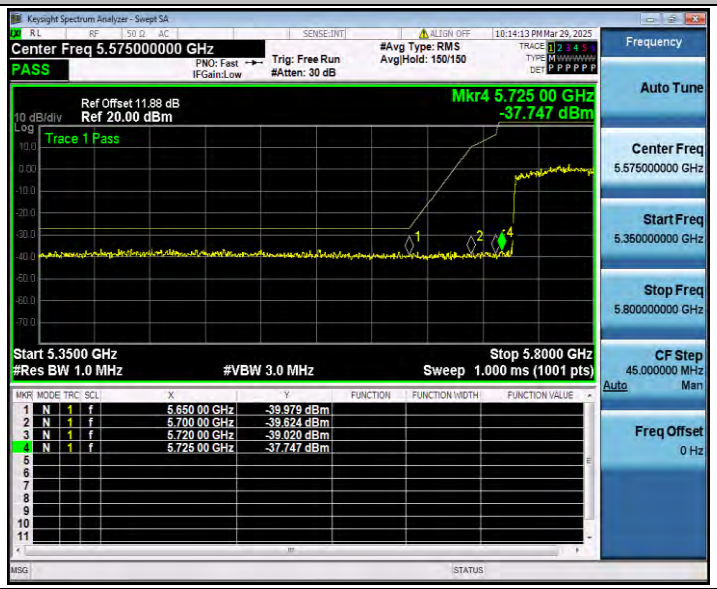


11AX40SISO_Ant1_Low_5755_Peak

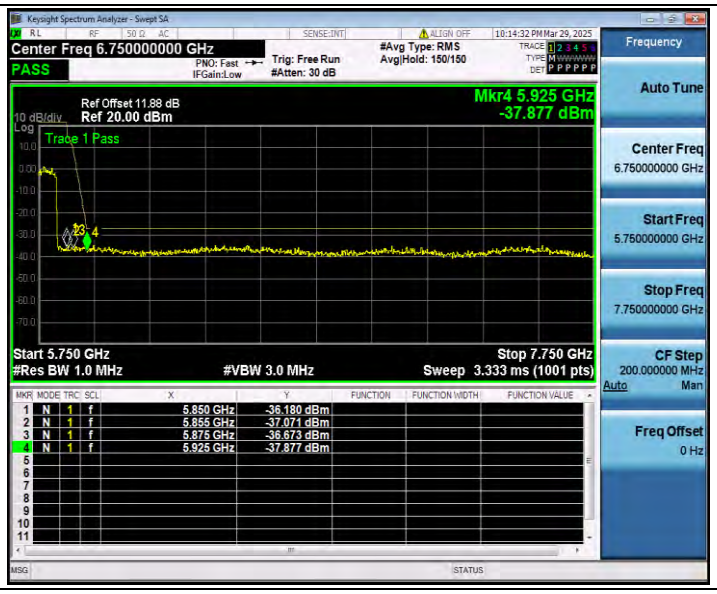
11AX40SISO_Ant1_High_5795_Peak



11AX80SISO_Ant1_Low_5775_Peak



11AX80SISO_Ant1_High_5775_Peak


Keysight Spectrum Analyzer - Swept SA
Center Freq 6.750000000 GHz
PASS
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 150/150
10:14:32 PM Mar 29, 2025
Ref Offset 11.88 dB
10 dB/div
Ref 20.00 dBm
Log
Trace 1 Pass
Mkr4 5.925 GHz
-37.877 dBm
Start 5.750 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 7.750 GHz
Sweep 3.333 ms (1001 pts)
1 N 1 f 5.850 GHz -36.180 dBm
2 N 1 f 5.855 GHz -37.071 dBm
3 N 1 f 5.875 GHz -36.673 dBm
4 N 1 f 5.925 GHz -37.877 dBm
Frequency
Auto Tune
Center Freq
6.750000000 GHz
Start Freq
5.750000000 GHz
Stop Freq
7.750000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz