Appendix E.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	Ant2	5745	10.85	100.00	0.00	10.85	≤30.00	PASS
		5785	11.76	100.00	0.00	11.76	≤30.00	PASS
		5825	11.47	100.00	0.00	11.47	≤30.00	PASS
11N20SISO	Ant2	5745	11.08	100.00	0.00	11.08	≤30.00	PASS
		5785	11.62	100.00	0.00	11.62	≤30.00	PASS
		5825	11.30	100.00	0.00	11.30	≤30.00	PASS
11N40SISO	Ant2	5755	11.05	100.00	0.00	11.05	≤30.00	PASS
		5795	11.54	100.00	0.00	11.54	≤30.00	PASS
11AC20SISO	Ant2	5745	11.15	100.00	0.00	11.15	≤30.00	PASS
		5785	11.67	100.00	0.00	11.67	≤30.00	PASS
		5825	11.36	100.00	0.00	11.36	≤30.00	PASS
11AC40SISO	Ant2	5755	11.06	100.00	0.00	11.06	≤30.00	PASS
		5795	11.51	100.00	0.00	11.51	≤30.00	PASS
11AC80SISO	Ant2	5775	10.73	100.00	0.00	10.73	≤30.00	PASS
11AX20SISO	Ant2	5745	11.08	100.00	0.00	11.08	≤30.00	PASS
		5785	11.58	100.00	0.00	11.58	≤30.00	PASS
		5825	11.32	100.00	0.00	11.32	≤30.00	PASS
11AX40SISO	Ant2	5755	10.97	100.00	0.00	10.97	≤30.00	PASS
		5795	11.45	100.00	0.00	11.45	≤30.00	PASS
11AX80SISO	Ant2	5775	10.94	100.00	0.00	10.94	≤30.00	PASS

Appendix E.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant2	5745	-3.15	≤30.00	PASS
		5785	-2.54	≤30.00	PASS
		5825	-2.68	≤30.00	PASS
11N20SISO	Ant2	5745	-2.83	≤30.00	PASS
		5785	-2.49	≤30.00	PASS
		5825	-2.77	≤30.00	PASS
11N40SISO	Ant2	5755	-6.06	≤30.00	PASS
		5795	-5.49	≤30.00	PASS
11AC20SISO	Ant2	5745	-2.86	≤30.00	PASS
		5785	-2.37	≤30.00	PASS
		5825	-2.74	≤30.00	PASS
11AC40SISO	Ant2	5755	-5.99	≤30.00	PASS
		5795	-5.50	≤30.00	PASS
11AC80SISO	Ant2	5775	-8.45	≤30.00	PASS
11AX20SISO	Ant2	5745	-4.19	≤30.00	PASS
		5785	-3.75	≤30.00	PASS
		5825	-4.04	≤30.00	PASS
11AX40SISO	Ant2	5755	-7.10	≤30.00	PASS
		5795	-6.49	≤30.00	PASS
11AX80SISO	Ant2	5775	-9.23	≤30.00	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

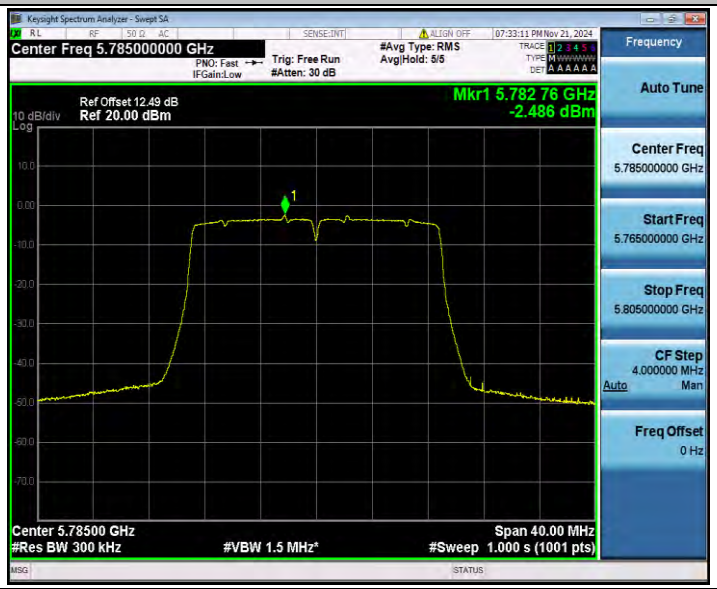
11A_Ant2_5745

11A_Ant2_5785

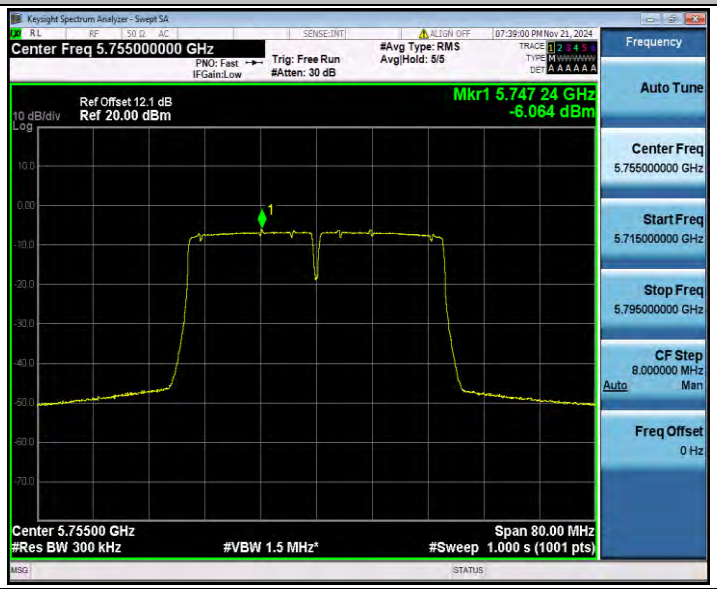
11A_Ant2_5825

11N20SISO_Ant2_5745

11N20SISO_Ant2_5785

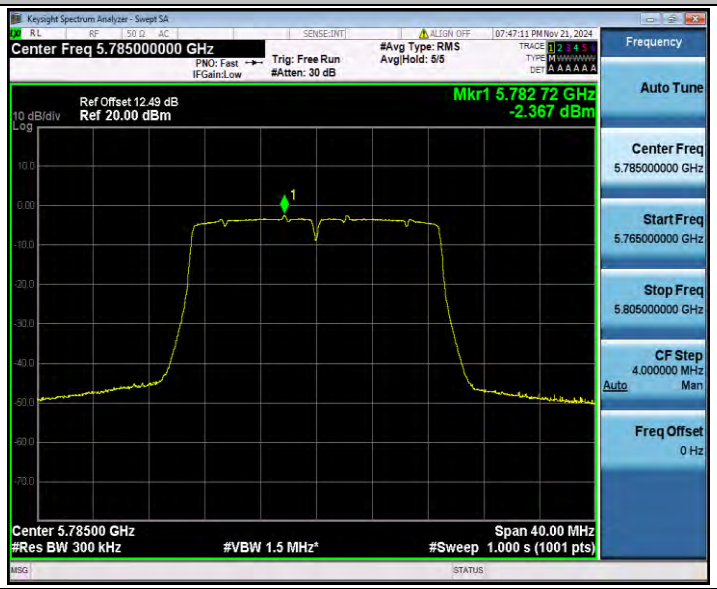


11N20SISO_Ant2_5825

11N40SISO_Ant2_5755

11N40SISO_Ant2_5795

11AC20SISO_Ant2_5745

11AC20SISO_Ant2_5785



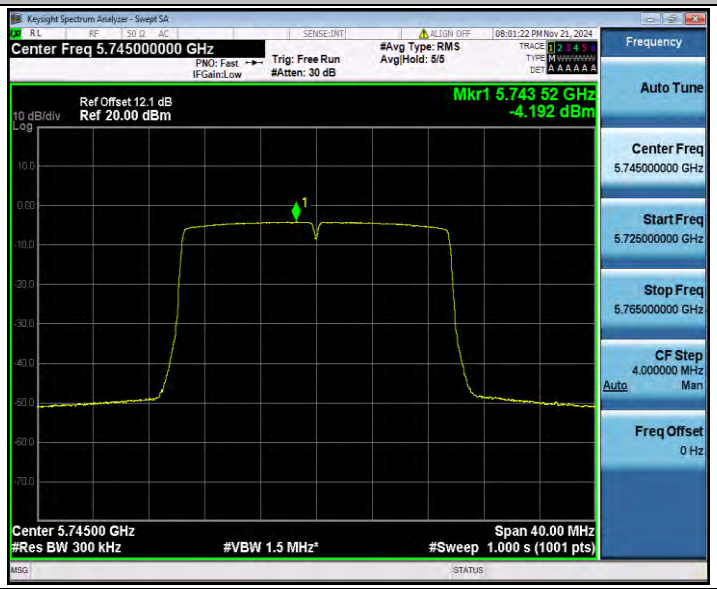
11AC20SISO_Ant2_5825

11AC40SISO_Ant2_5755

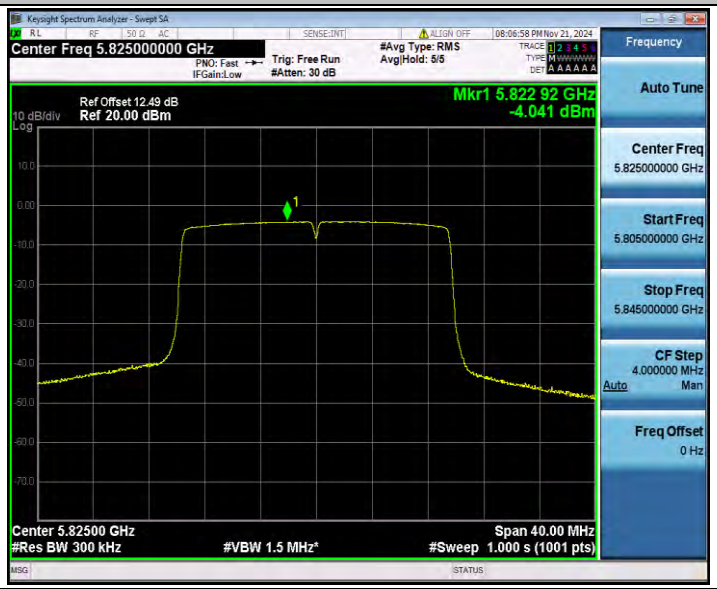
11AC40SISO_Ant2_5795

11AC80SISO_Ant2_5775

11AX20SISO_Ant2_5745



11AX20SISO_Ant2_5785

11AX20SISO_Ant2_5825

11AX40SISO_Ant2_5755

11AX40SISO_Ant2_5795

11AX80SISO_Ant2_5775

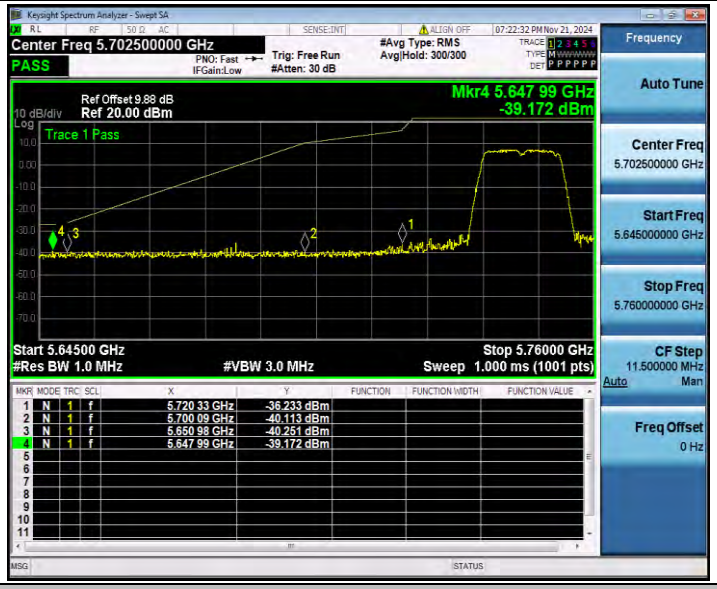
Appendix E.6: Band edge measurements

Test Result B4

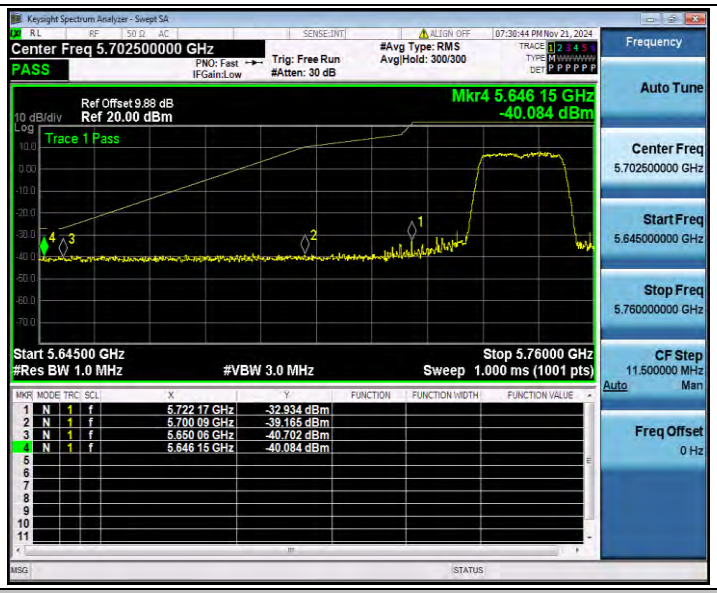
TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	Low	5745	5650~5700	-40.25	≤-26.27	PASS
				5700~5720	-40.11	≤10.02	PASS
				5720~5725	-36.23	≤16.34	PASS
				5760~5650	-39.17	≤-27	PASS
		High	5825	5850~5855	-37.46	≤15.73	PASS
				5855~5875	-38.35	≤10.74	PASS
				5875~5925	-38.79	≤-26.61	PASS
				5925~5935	-37.46	≤-27	PASS
11N20SISO	Ant2	Low	5745	5650~5700	-40.7	≤-26.96	PASS
				5700~5720	-39.17	≤10.02	PASS
				5720~5725	-32.93	≤20.54	PASS
				5760~5650	-40.08	≤-27	PASS
		High	5825	5850~5855	-34.86	≤15.73	PASS
				5855~5875	-33.42	≤15.46	PASS
				5875~5925	-37.89	≤-26.21	PASS
				5925~5935	-38.05	≤-27	PASS
11N40SISO	Ant2	Low	5755	5650~5700	-39.39	≤-26.40	PASS
				5700~5720	-35.28	≤10.63	PASS
				5720~5725	-35.23	≤15.74	PASS
				5780~5650	-39.74	≤-27	PASS
		High	5795	5850~5855	-35.31	≤17.54	PASS
				5855~5875	-38.58	≤10.39	PASS
				5875~5925	-38.63	≤-26.10	PASS
				5925~5935	-38	≤-27	PASS
11AC20SISO	Ant2	Low	5745	5650~5700	-41.09	≤-26.87	PASS
				5700~5720	-39.73	≤10.18	PASS
				5720~5725	-39.72	≤15.82	PASS
				5760~5650	-40.03	≤-27	PASS
		High	5825	5850~5855	-33.43	≤16.34	PASS
				5855~5875	-35.13	≤12.48	PASS
				5875~5925	-39.28	≤-26.61	PASS
				5925~5935	-38.55	≤-27	PASS
11AC40SISO	Ant2	Low	5755	5650~5700	-39.92	≤-26.10	PASS
				5700~5720	-31.3	≤12.10	PASS
				5720~5725	-27.03	≤17.58	PASS
				5780~5650	-39.08	≤-27	PASS

		High	5795	5850~5855	-34.36	≤17.54	PASS
				5855~5875	-38.97	≤10.29	PASS
				5875~5925	-40.12	≤-26.83	PASS
				5925~5935	-39.12	≤-27	PASS
11AC80SISO	Ant2	Low	5775	5650~5700	-39.57	≤-26.91	PASS
				5700~5720	-28.54	≤10.35	PASS
				5720~5725	-38.77	≤15.65	PASS
				5800~5650	-37.55	≤-27	PASS
		High	5775	5850~5855	-34.98	≤16.26	PASS
				5855~5875	-33.49	≤11.33	PASS
				5875~5925	-38.72	≤-26.19	PASS
				5925~5935	-38.21	≤-27	PASS
11AX20SISO	Ant2	Low	5745	5650~5700	-39.75	≤-25.59	PASS
				5700~5720	-33.72	≤14.37	PASS
				5720~5725	-33.82	≤17.91	PASS
				5760~5650	-39.71	≤-27	PASS
		High	5825	5850~5855	-31.76	≤18.19	PASS
				5855~5875	-26.37	≤15.54	PASS
				5875~5925	-38.78	≤-25.81	PASS
				5925~5935	-38.2	≤-27	PASS
11AX40SISO	Ant2	Low	5755	5650~5700	-40.13	≤-26.90	PASS
				5700~5720	-35.21	≤11.31	PASS
				5720~5725	-27.01	≤23.74	PASS
				5780~5650	-39.84	≤-27	PASS
		High	5795	5850~5855	-35.26	≤17.16	PASS
				5855~5875	-38.3	≤10.20	PASS
				5875~5925	-38.59	≤-25.98	PASS
				5925~5935	-37.89	≤-27	PASS
11AX80SISO	Ant2	Low	5775	5650~5700	-39.23	≤-26.57	PASS
				5700~5720	-36.36	≤10.61	PASS
				5720~5725	-37.38	≤16.35	PASS
				5800~5650	-37.92	≤-27	PASS
		High	5775	5850~5855	-37.13	≤15.84	PASS
				5855~5875	-34.55	≤10.14	PASS
				5875~5925	-39.04	≤-26.87	PASS
				5925~5935	-38.19	≤-27	PASS

Test Graphs B4

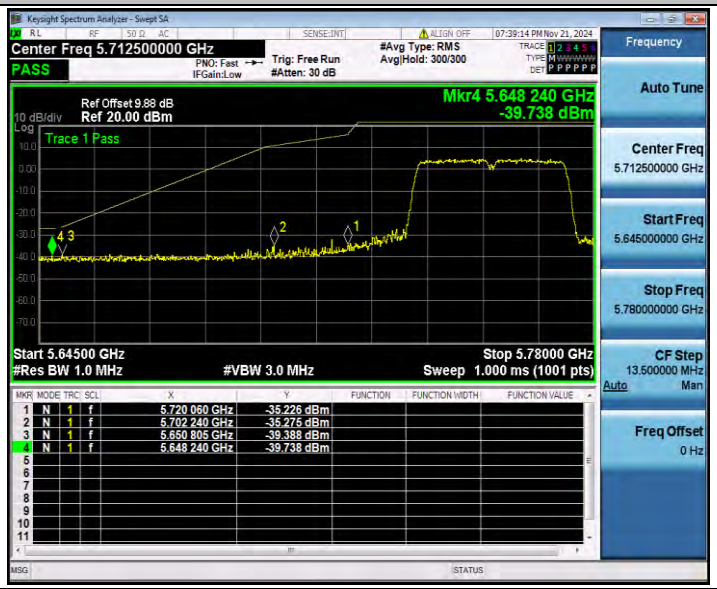
11A_Ant2_Low_5745

11A_Ant2_High_5825

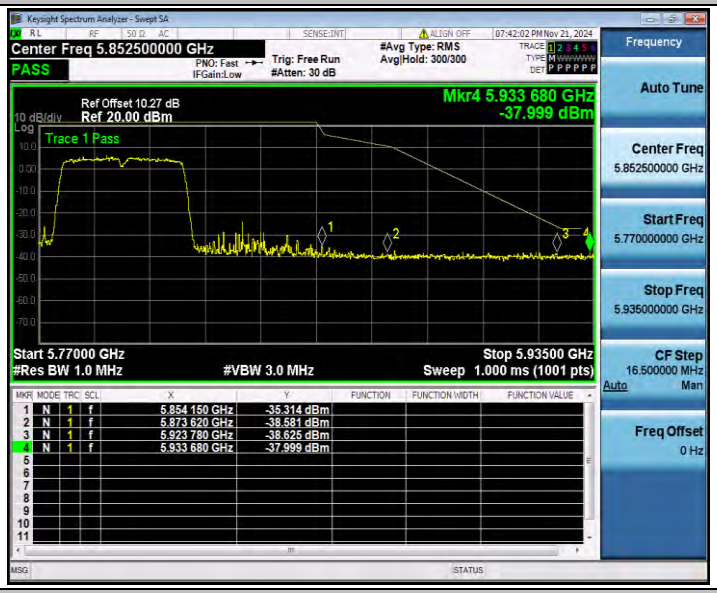
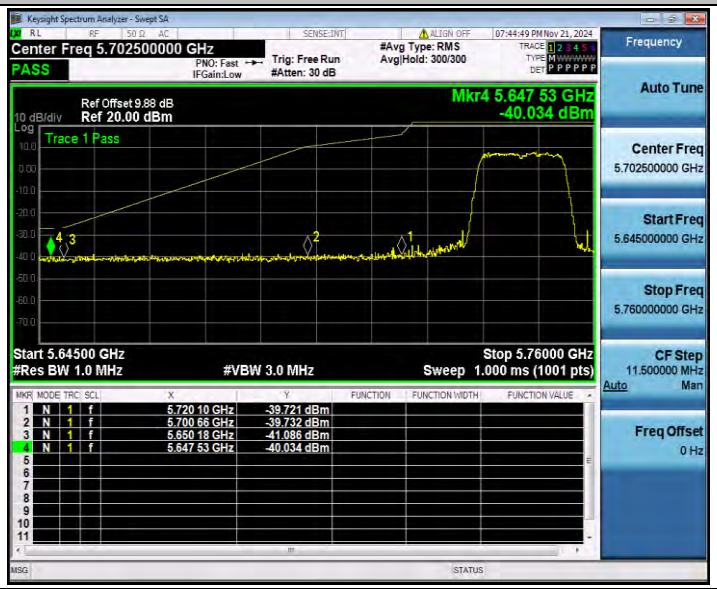
11N20SISO_Ant2_Low_5745



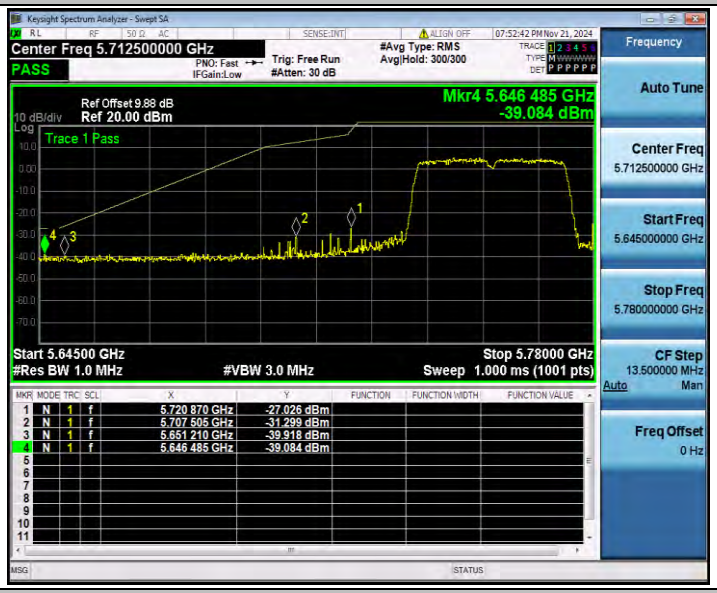
11N20SISO_Ant2_High_5825

11N40SISO_Ant2_Low_5755

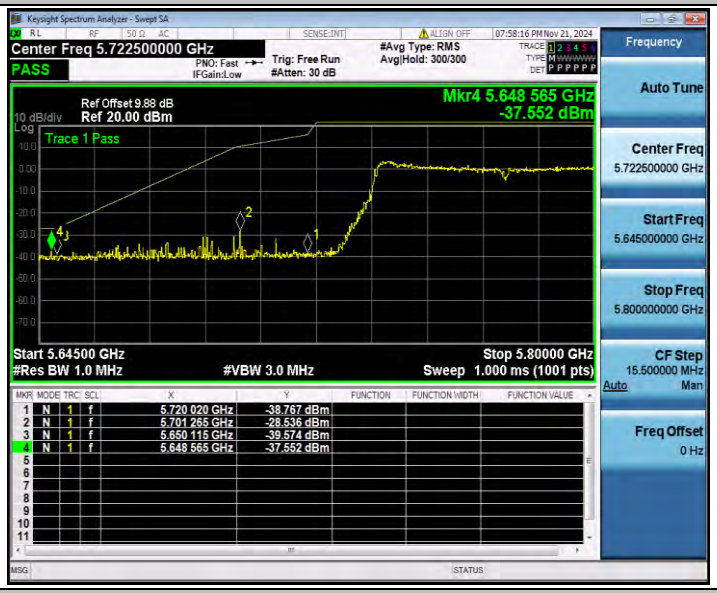


11N40SISO_Ant2_High_5795

11AC20SISO_Ant2_Low_5745

11AC20SISO_Ant2_High_5825

11AC40SISO_Ant2_Low_5755



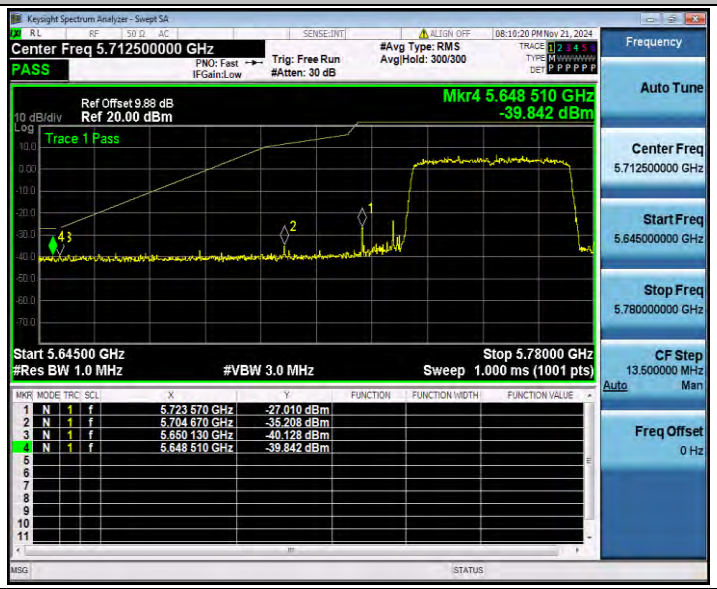
11AC40SISO_Ant2_High_5795

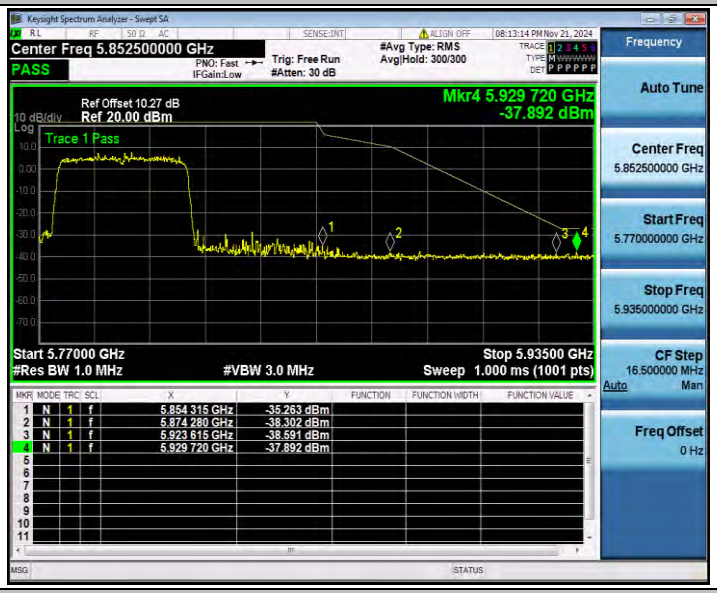
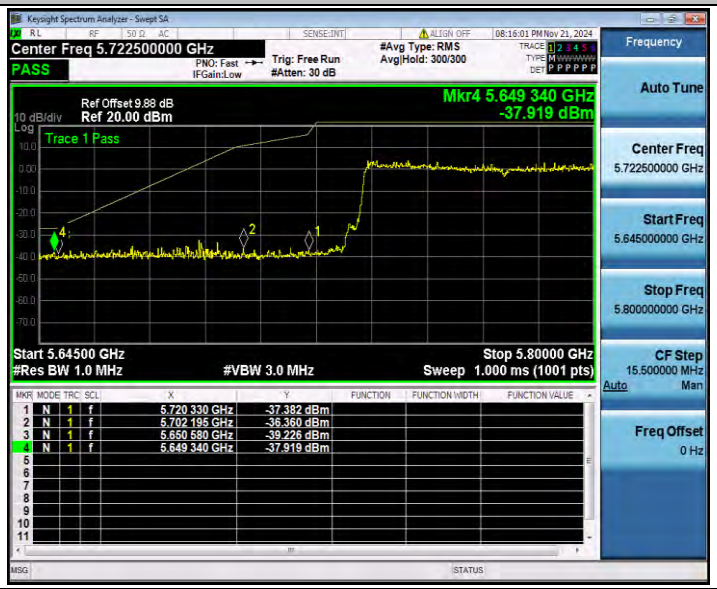
11AC80SISO_Ant2_Low_5775

11AC80SISO_Ant2_High_5775

11AX20SISO_Ant2_Low_5745

11AX20SISO_Ant2_High_5825

11AX40SISO_Ant2_Low_5755



11AX40SISO_Ant2_High_5795

11AX80SISO_Ant2_Low_5775

11AX80SISO_Ant2_High_5775


Keysight Spectrum Analyzer - Swept SA
Center Freq 5.842500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 300/300
08:16:18 PM Nov 21, 2024
PASS
Ref Offset 9.88 dB
10 dB/div
Ref 20.00 dBm
Log
Trace 1 Pass
Mkr4 5.934 260 GHz
-38.188 dBm
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 5.854 895 GHz -37.134 dBm
2 N 1 f 5.874 505 GHz -34.548 dBm
3 N 1 f 5.924 825 GHz -39.039 dBm
4 N 1 f 5.934 260 GHz -38.188 dBm
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
MSG
STATUS

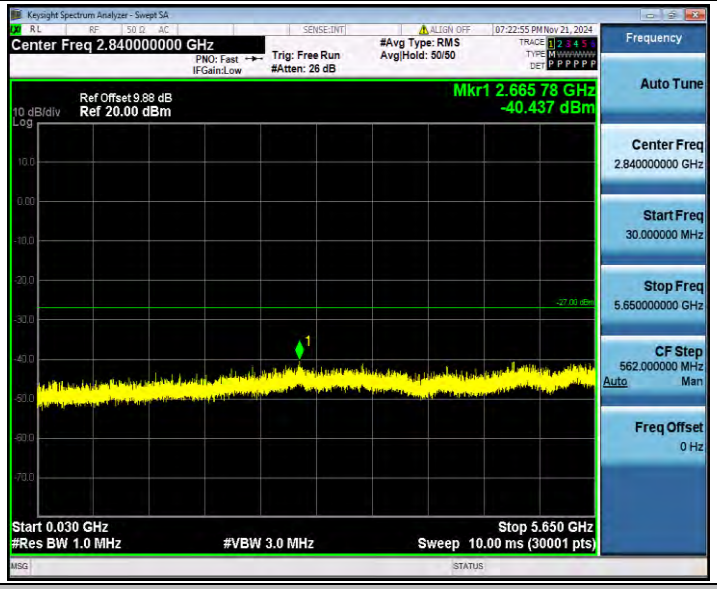
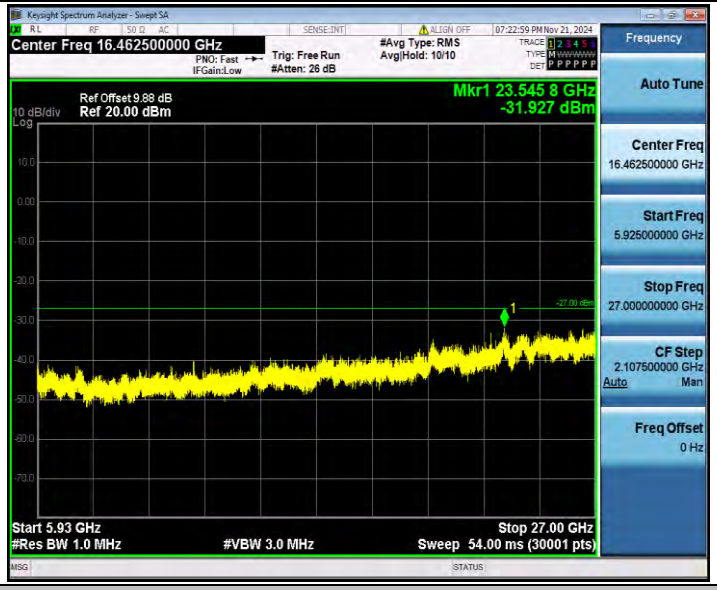
Appendix E.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant2	5745	30~5650	2665.78	-40.44	≤-27	PASS
			5925~27000	23545.81	-31.93	≤-27	PASS
		5785	30~5650	5447.12	-39.61	≤-27	PASS
			5925~27000	24234.26	-30.89	≤-27	PASS
		5825	30~5650	3188.07	-39.99	≤-27	PASS
			5925~27000	24381.08	-31.92	≤-27	PASS
11N20SISO	Ant2	5745	30~5650	5465.1	-39.7	≤-27	PASS
			5925~27000	26932.56	-31.78	≤-27	PASS
		5785	30~5650	2669.34	-40.22	≤-27	PASS
			5925~27000	25111.68	-31.81	≤-27	PASS
		5825	30~5650	5413.21	-39.26	≤-27	PASS
			5925~27000	24146.45	-31.66	≤-27	PASS
11N40SISO	Ant2	5755	30~5650	5420.89	-40.2	≤-27	PASS
			5925~27000	24230.75	-31.77	≤-27	PASS
		5795	30~5650	5562.7	-39.5	≤-27	PASS
			5925~27000	26034.06	-31.63	≤-27	PASS
11AC20SISO	Ant2	5745	30~5650	5364.32	-40.44	≤-27	PASS
			5925~27000	24302.4	-31.66	≤-27	PASS
		5785	30~5650	4941.69	-39.87	≤-27	PASS
			5925~27000	23540.19	-31.71	≤-27	PASS
		5825	30~5650	5350.45	-39.98	≤-27	PASS
			5925~27000	24109.92	-31.51	≤-27	PASS
11AC40SISO	Ant2	5755	30~5650	5434.94	-40.39	≤-27	PASS
			5925~27000	24259.55	-31.15	≤-27	PASS
		5795	30~5650	2369.98	-39.94	≤-27	PASS
			5925~27000	26975.41	-31.4	≤-27	PASS
11AC80SISO	Ant2	5775	30~5650	5625.83	-40.49	≤-27	PASS
			5925~27000	26727.43	-32.17	≤-27	PASS
11AX20SISO	Ant2	5745	30~5650	3083.16	-40.07	≤-27	PASS
			5925~27000	25583.76	-32.15	≤-27	PASS
		5785	30~5650	2625.13	-40.64	≤-27	PASS
			5925~27000	24331.2	-31.18	≤-27	PASS
		5825	30~5650	5425.39	-40.25	≤-27	PASS
			5925~27000	25115.19	-30.31	≤-27	PASS
11AX40SISO	Ant2	5755	30~5650	5459.48	-40.25	≤-27	PASS
			5925~27000	23603.41	-32.55	≤-27	PASS

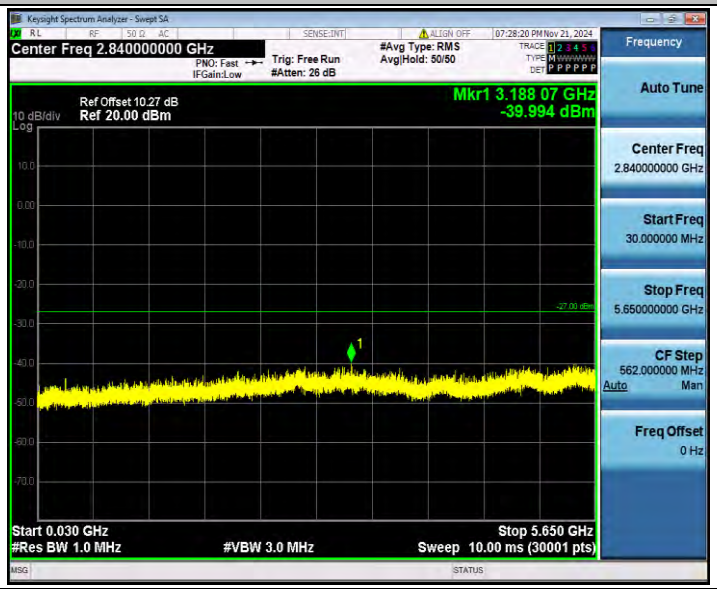
		5795	30~5650	5483.09	-39.46	≤-27	PASS
			5925~27000	26491.39	-30.8	≤-27	PASS
11AX80SISO	Ant2	5775	30~5650	5429.51	-39.56	≤-27	PASS
			5925~27000	25607.65	-32.49	≤-27	PASS

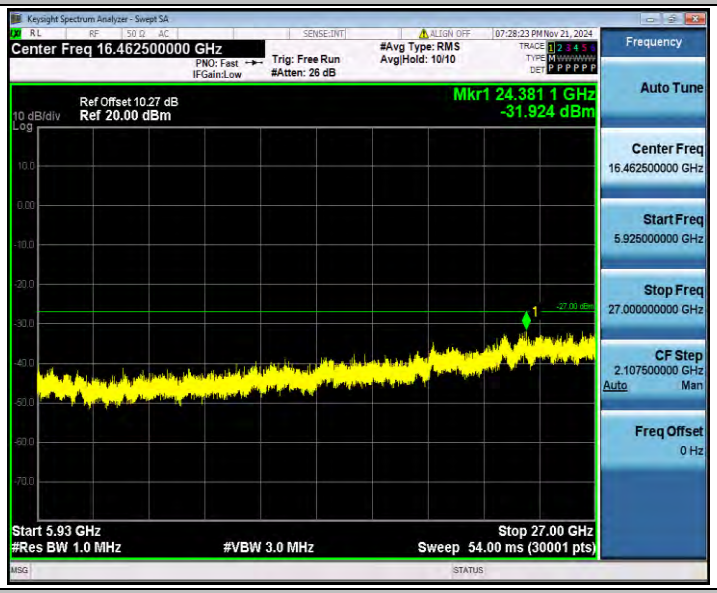
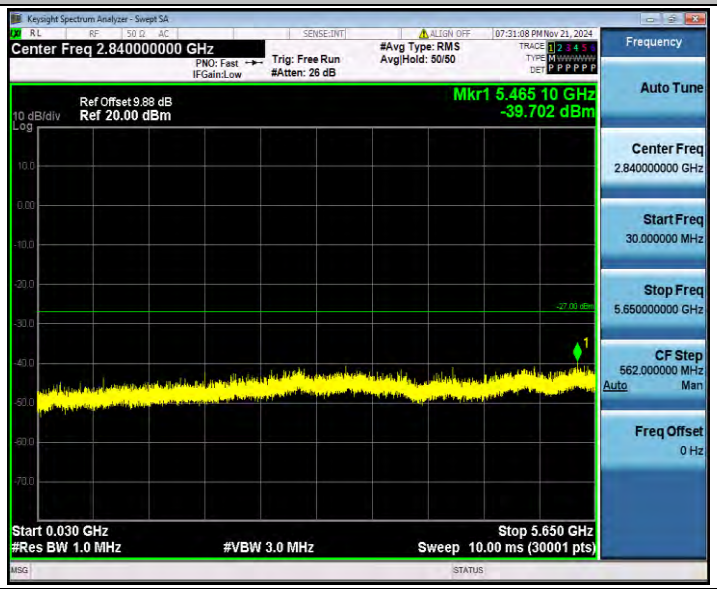
Test Graphs

11A_Ant2_5745_30~5650

11A_Ant2_5745_5925~27000

11A_Ant2_5785_30~5650

11A_Ant2_5785_5925~27000

11A_Ant2_5825_30~5650



11A_Ant2_5825_5925~27000

11N20SISO_Ant2_5745_30~5650

11N20SISO_Ant2_5745_5925~27000

11N20SISO_Ant2_5785_30~5650

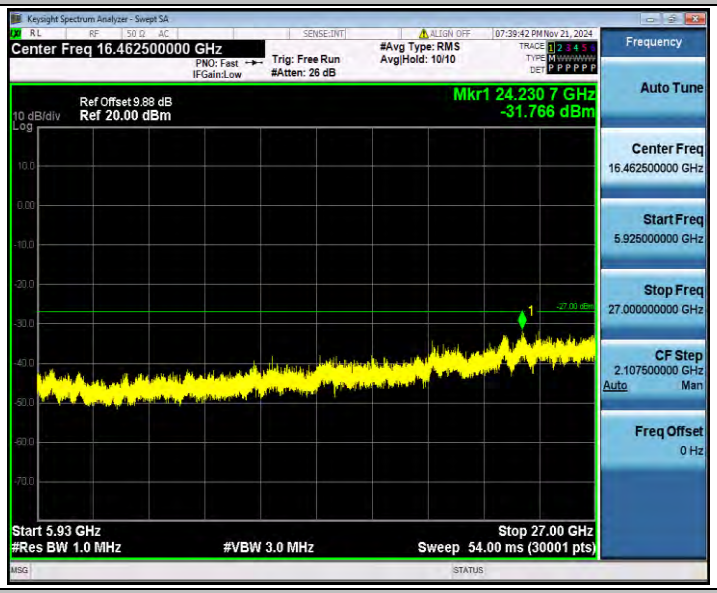
11N20SISO_Ant2_5785_5925~27000

11N20SISO_Ant2_5825_30~5650

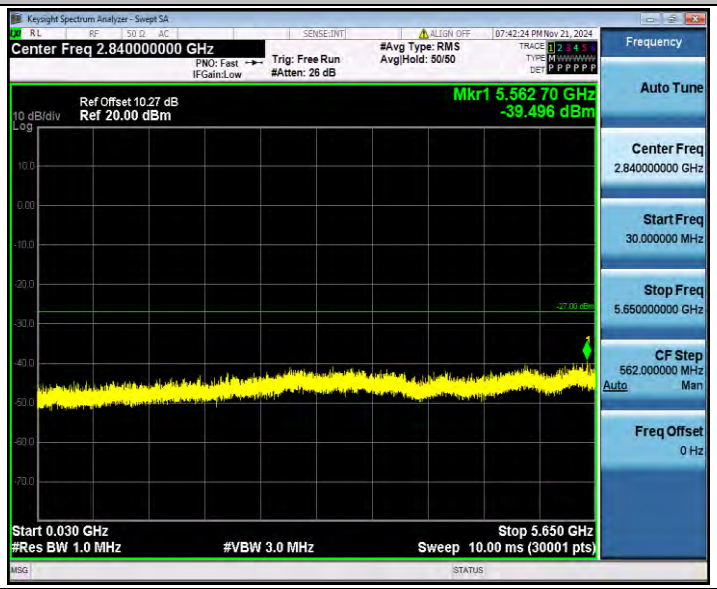
11N20SISO_Ant2_5825_5925~27000

11N40SISO_Ant2_5755_30~5650

11N40SISO_Ant2_5755_5925~27000



11N40SISO_Ant2_5795_30~5650



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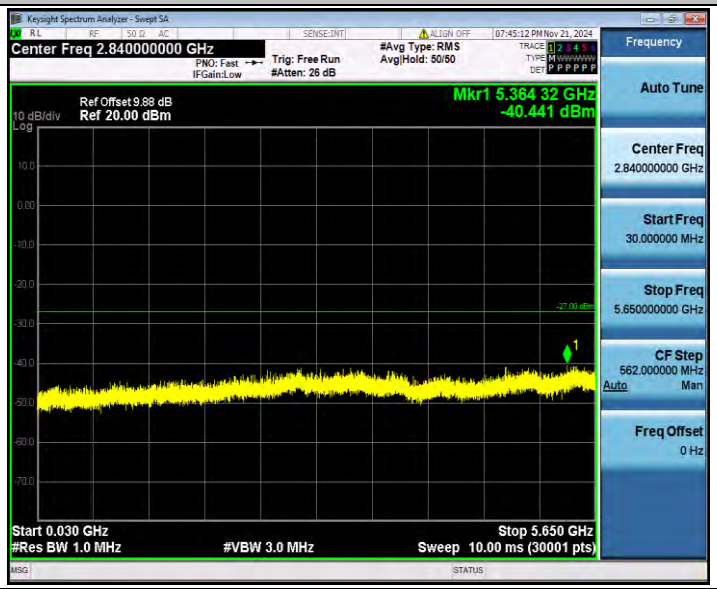
11AC20SISO_Ant2_5745_30~5650

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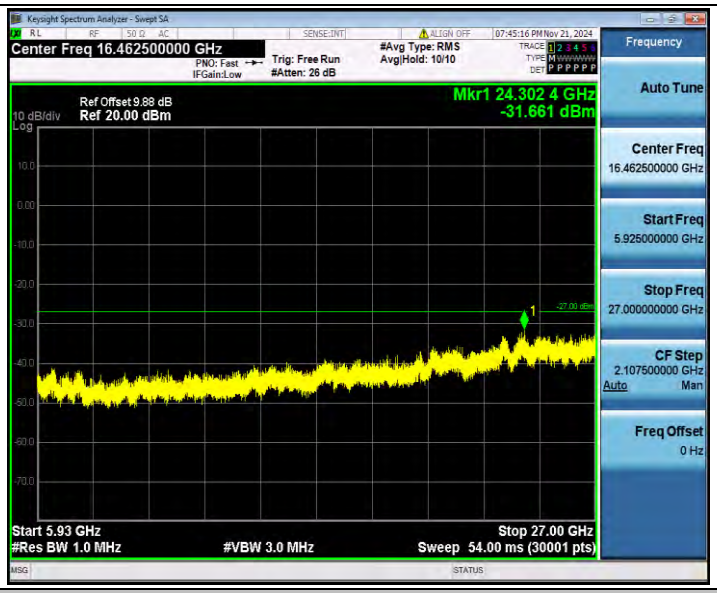

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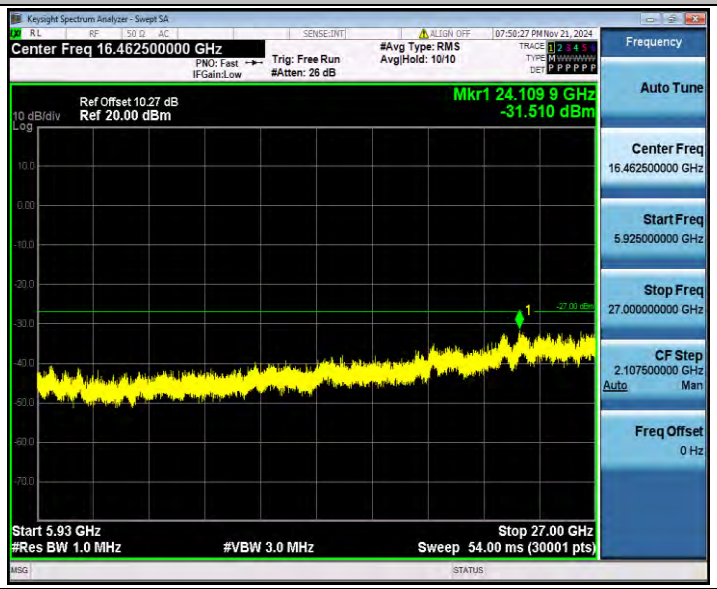
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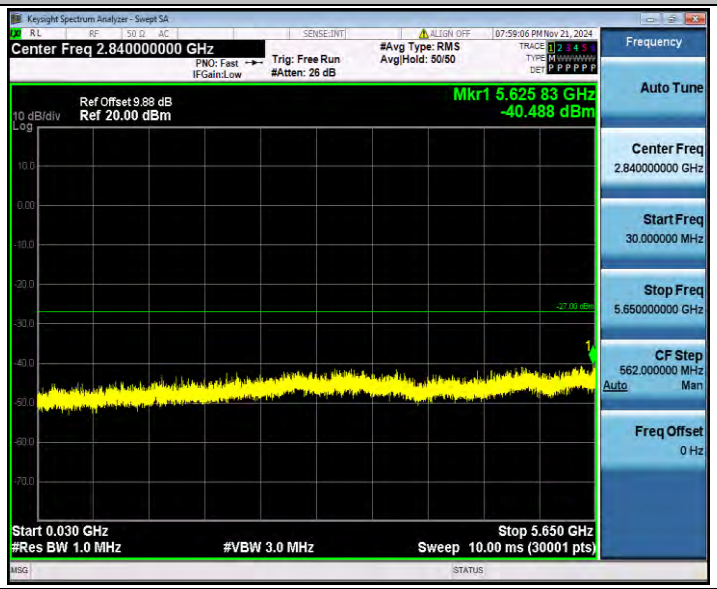
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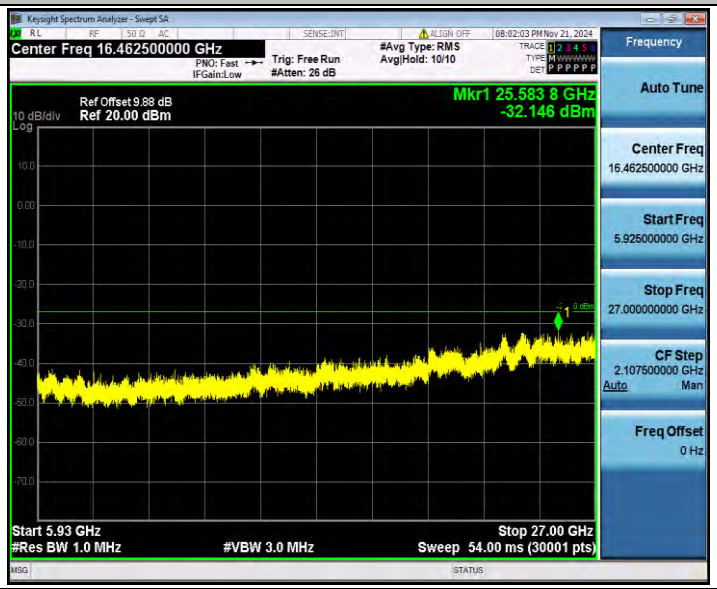

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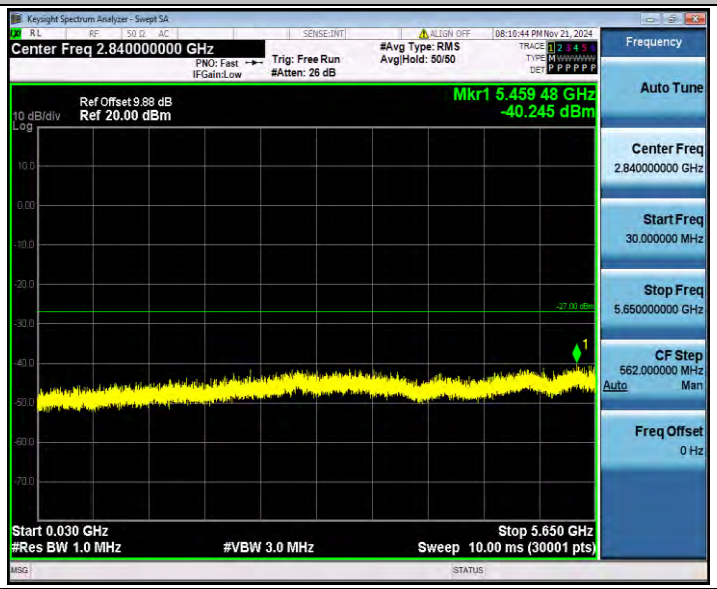

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