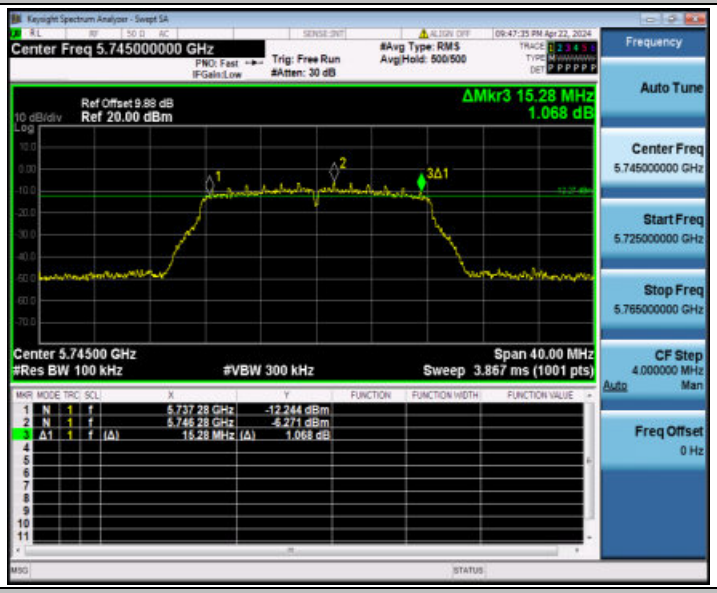
Case No. : GTS20240320024-1-13	
Ambient Condition: 25 ℃, 45 %RH	
According Standard: ■Part15E	
Test Date: 2024.4.22	**Test Engineer:** Evan ouyang

Appendix E.1: Emission Bandwidth

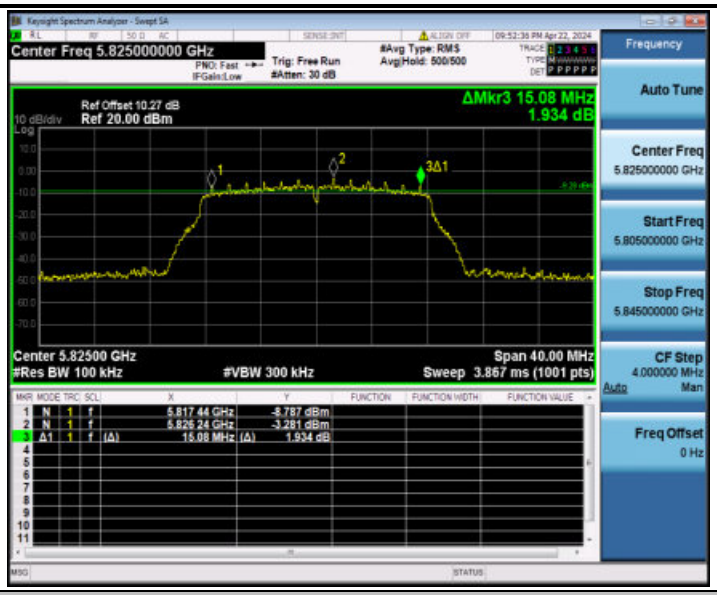
Test Result

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5745	15.280	5737.280	5752.560	0.5	PASS
		5785	15.120	5777.440	5792.560	0.5	PASS
		5825	15.080	5817.440	5832.520	0.5	PASS
11N20SISO	Ant2	5745	15.120	5737.440	5752.560	0.5	PASS
		5785	15.120	5777.440	5792.560	0.5	PASS
		5825	15.280	5817.440	5832.720	0.5	PASS
11N40SISO	Ant2	5755	35.120	5737.400	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC20SISO	Ant2	5745	15.040	5737.440	5752.480	0.5	PASS
		5785	15.120	5777.440	5792.560	0.5	PASS
		5825	15.120	5817.440	5832.560	0.5	PASS
11AC40SISO	Ant2	5755	35.120	5737.400	5772.520	0.5	PASS
		5795	35.120	5777.400	5812.520	0.5	PASS
11AC80SISO	Ant2	5775	75.200	5737.400	5812.600	0.5	PASS

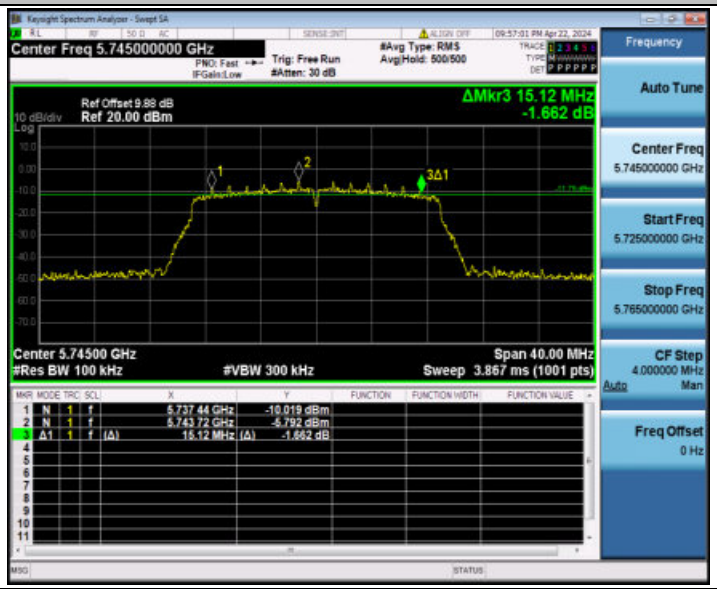
Test Graphs

11A_Ant2_5745

11A_Ant2_5785

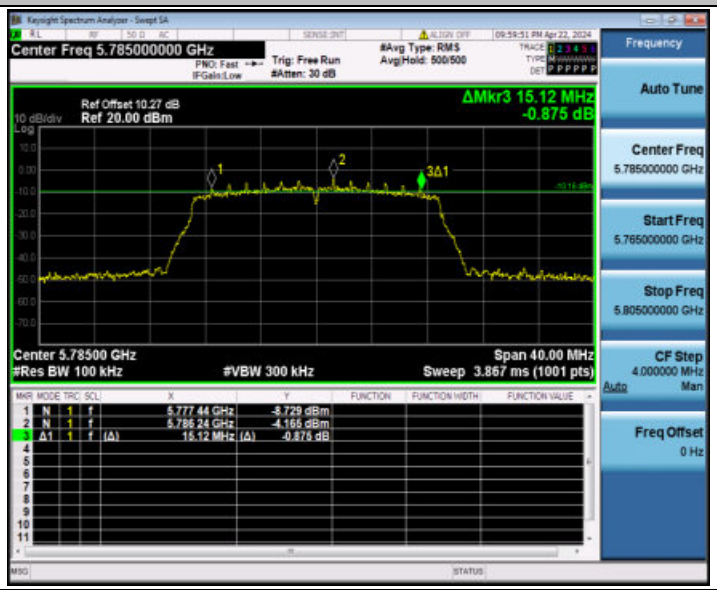
11A_Ant2_5825

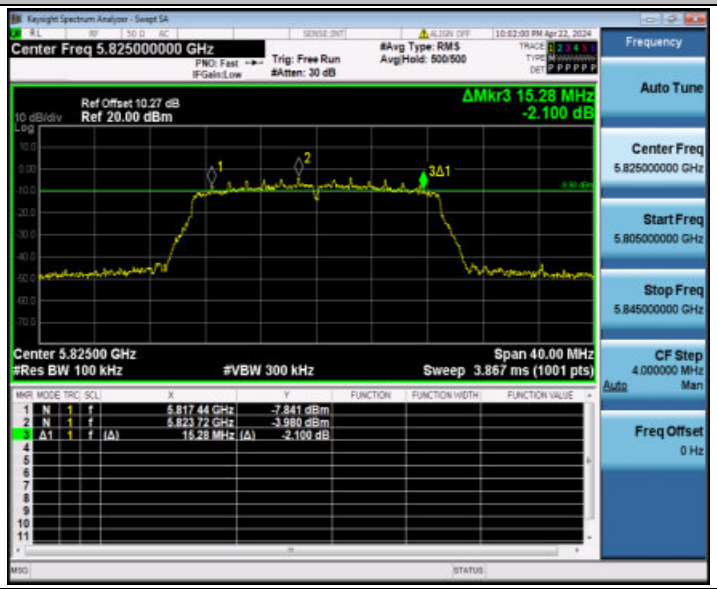
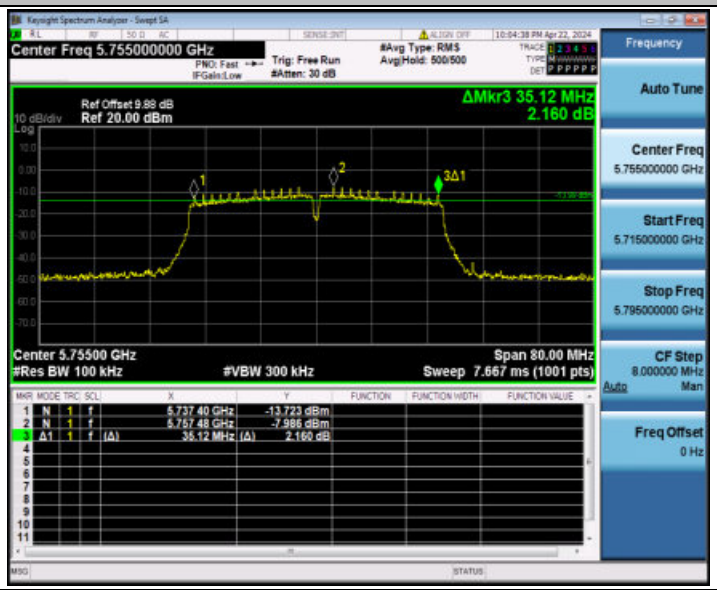


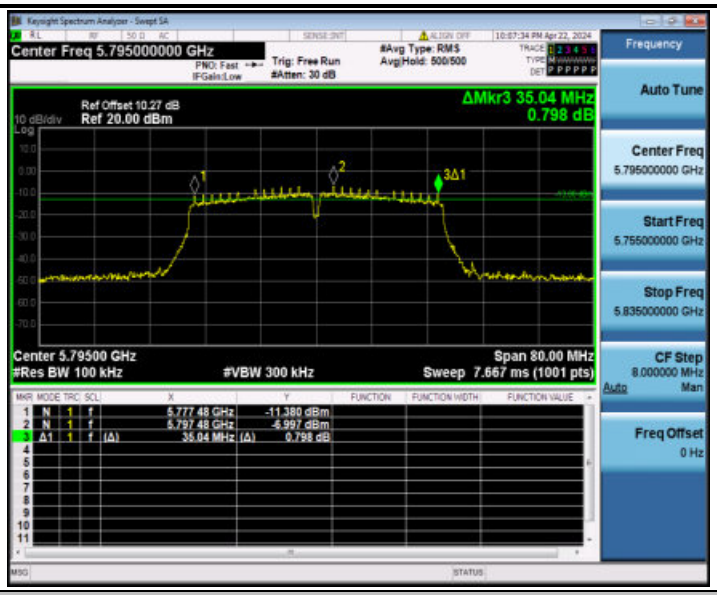
11N20SISO_Ant2_5745



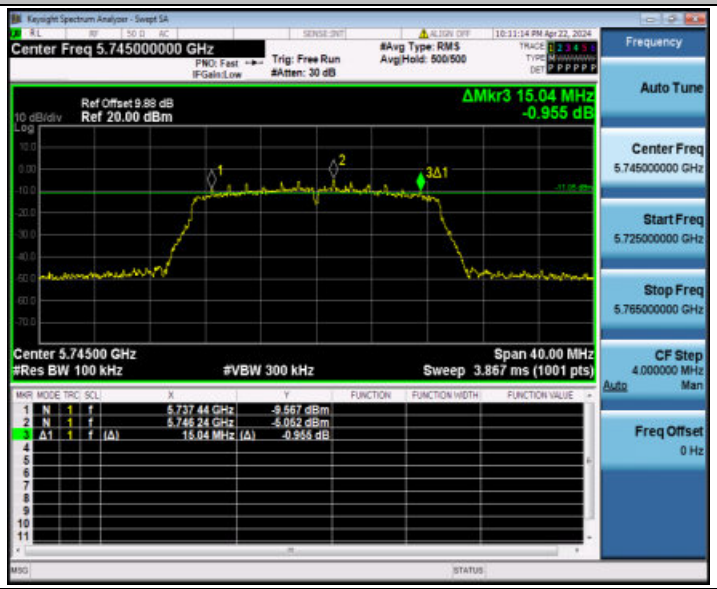
11N20SISO_Ant2_5785



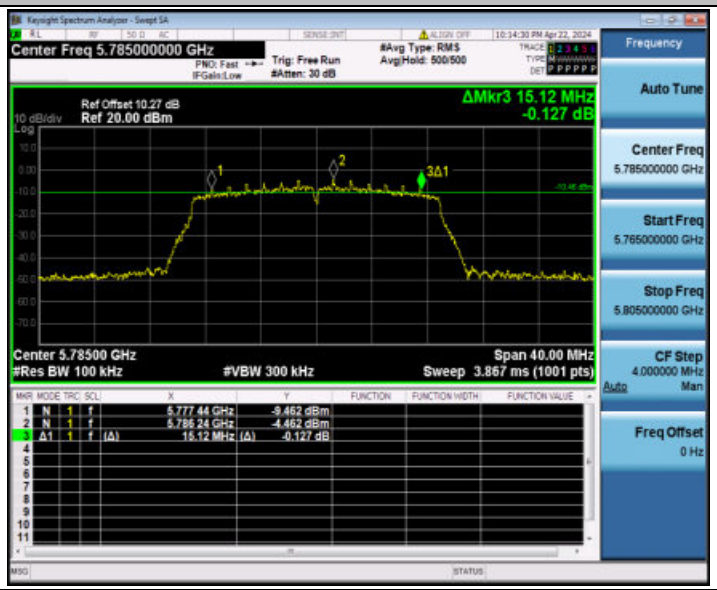
11N20SISO_Ant2_5825

11N40SISO_Ant2_5755

11N40SISO_Ant2_5795

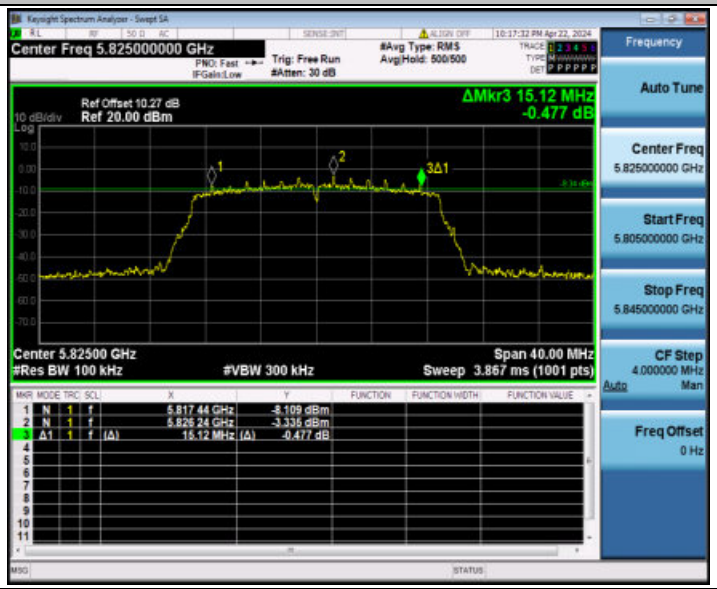
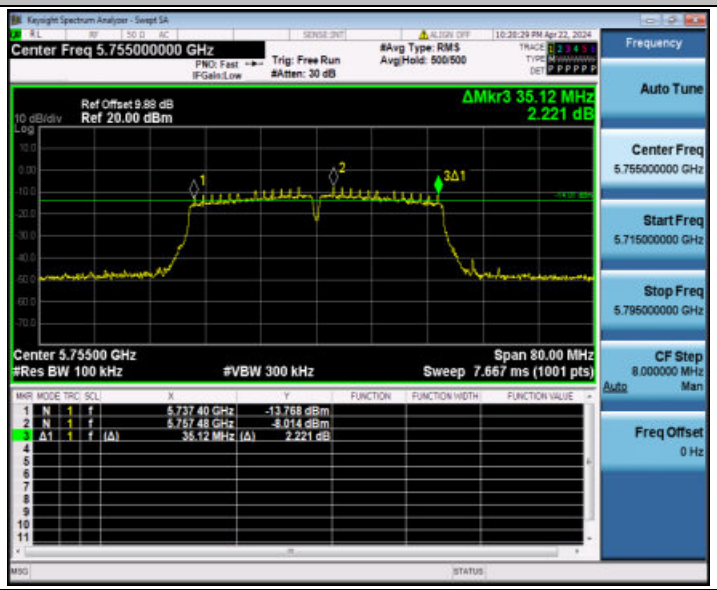


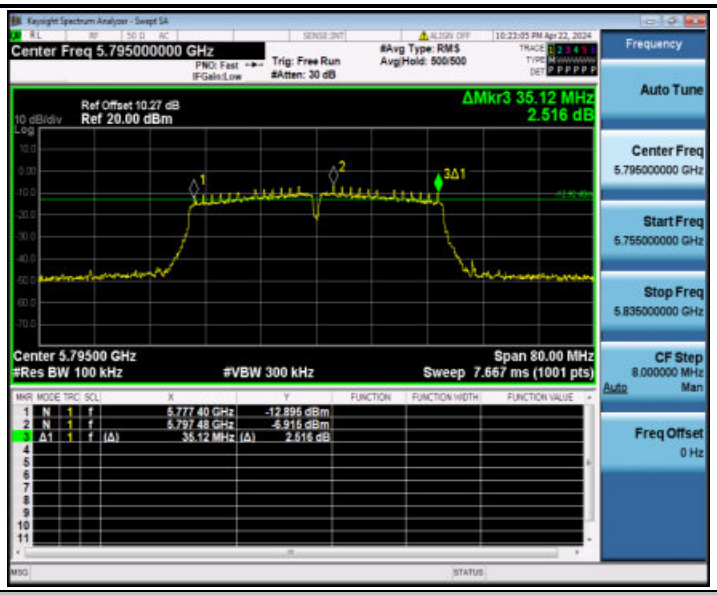
11AC20SISO_Ant2_5745



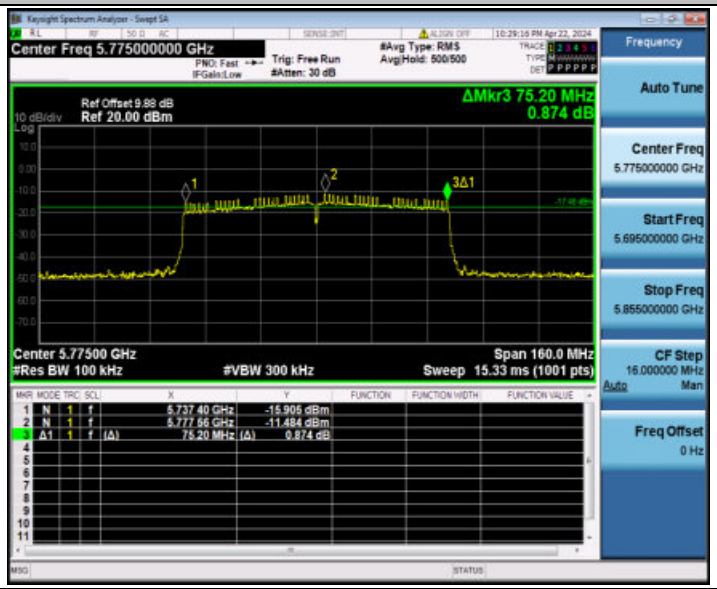
11AC20SISO_Ant2_5785



11AC20SISO_Ant2_5825

11AC40SISO_Ant2_5755

11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5775



Appendix E.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5745	16.934	5736.5216	5753.4556	---	---
		5785	16.880	5776.5703	5793.4503	---	---
		5825	16.878	5816.5865	5833.4645	---	---
11N20SISO	Ant2	5745	17.852	5736.0532	5753.9052	---	---
		5785	17.864	5776.0421	5793.9061	---	---
		5825	17.790	5816.1081	5833.8981	---	---
11N40SISO	Ant2	5755	36.286	5736.8884	5773.1744	---	---
		5795	36.260	5776.9568	5813.2168	---	---
11AC20SISO	Ant2	5745	17.808	5736.0889	5753.8969	---	---
		5785	17.812	5776.0914	5793.9034	---	---
		5825	17.814	5816.1135	5833.9275	---	---
11AC40SISO	Ant2	5755	36.271	5736.8784	5773.1494	---	---
		5795	36.307	5776.9386	5813.2456	---	---
11AC80SISO	Ant2	5775	75.364	5737.4541	5812.8181	---	---

Test Graphs

11A_Ant2_5745

11A_Ant2_5785

11A_Ant2_5825



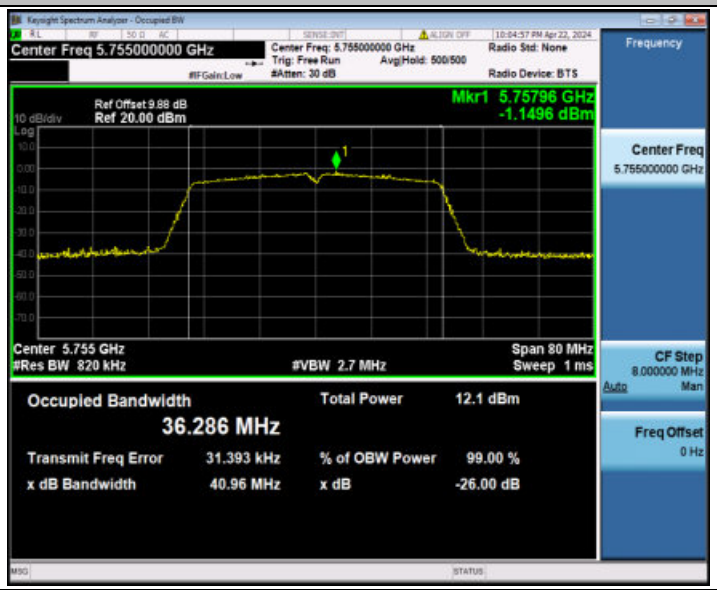
11N20SISO_Ant2_5745

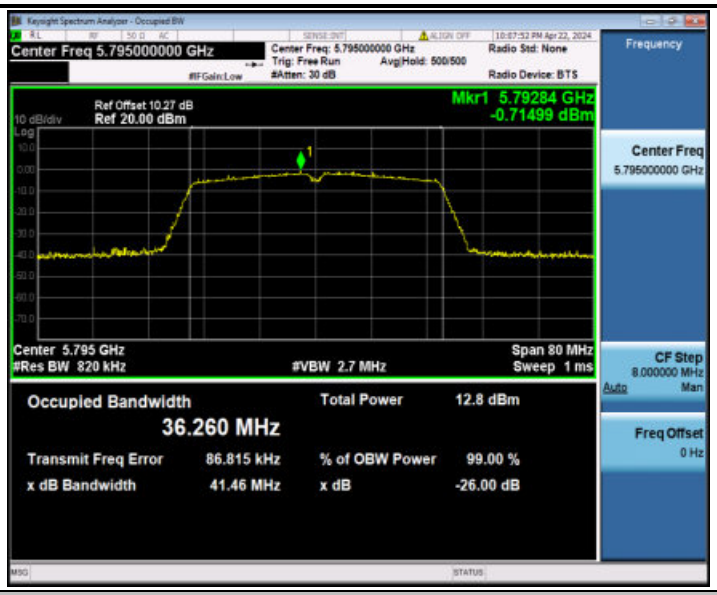


11N20SISO_Ant2_5785



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

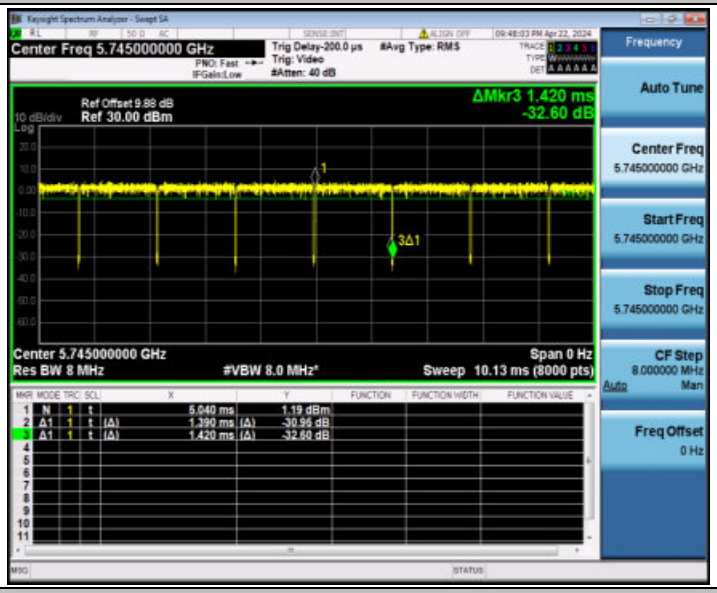
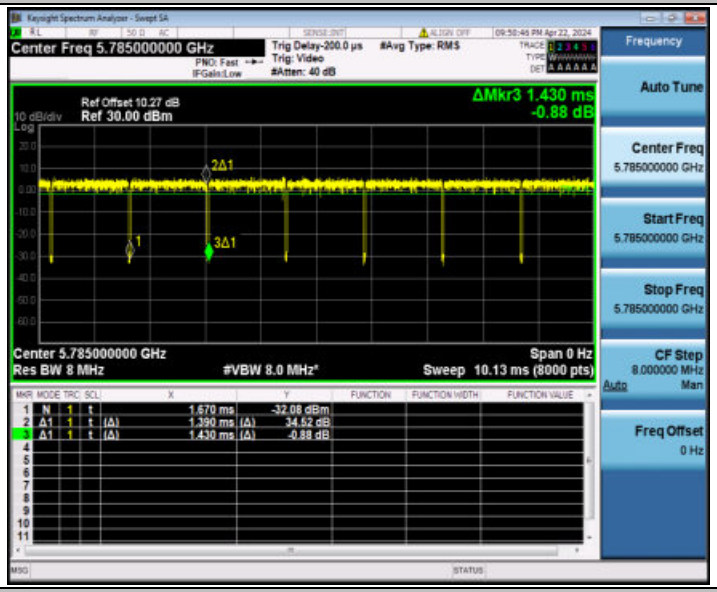


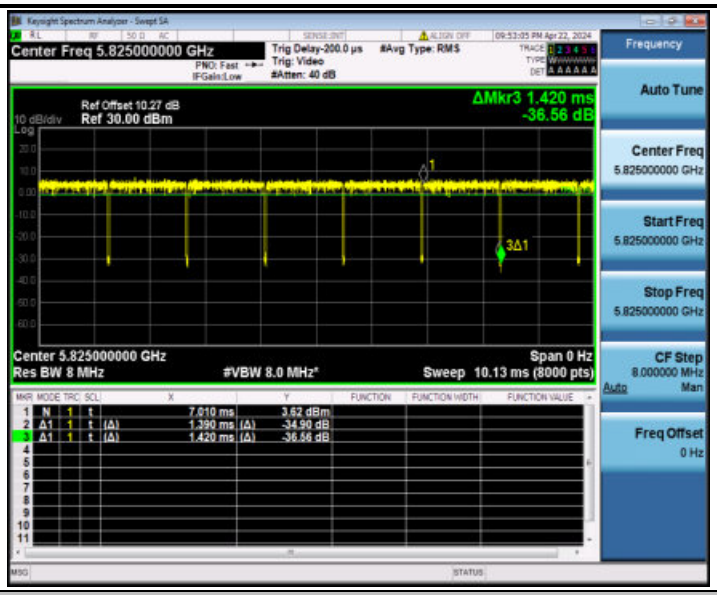
Appendix B: Duty Cycle

Test Result

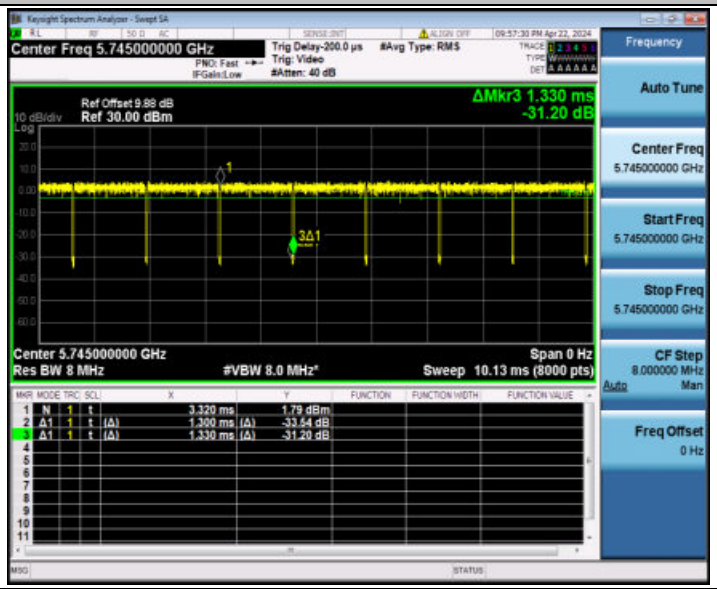
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant2	5745	1.39	1.42	97.89	0.09	0.72
		5785	1.39	1.43	97.20	0.12	0.72
		5825	1.39	1.42	97.89	0.09	0.72
11N20SISO	Ant2	5745	1.30	1.33	97.74	0.10	0.77
		5785	1.30	1.34	97.01	0.13	0.77
		5825	1.29	1.33	96.99	0.13	0.78
11N40SISO	Ant2	5755	0.65	1.25	52.00	2.84	1.54
		5795	0.65	0.69	94.20	0.26	1.54
11AC20SISO	Ant2	5745	1.31	1.35	97.04	0.13	0.76
		5785	1.31	1.35	97.04	0.13	0.76
		5825	1.31	1.35	97.04	0.13	0.76
11AC40SISO	Ant2	5755	0.65	0.69	94.20	0.26	1.54
		5795	0.65	0.69	94.20	0.26	1.54
11AC80SISO	Ant2	5775	0.33	0.36	91.67	0.38	3.03

Test Graphs

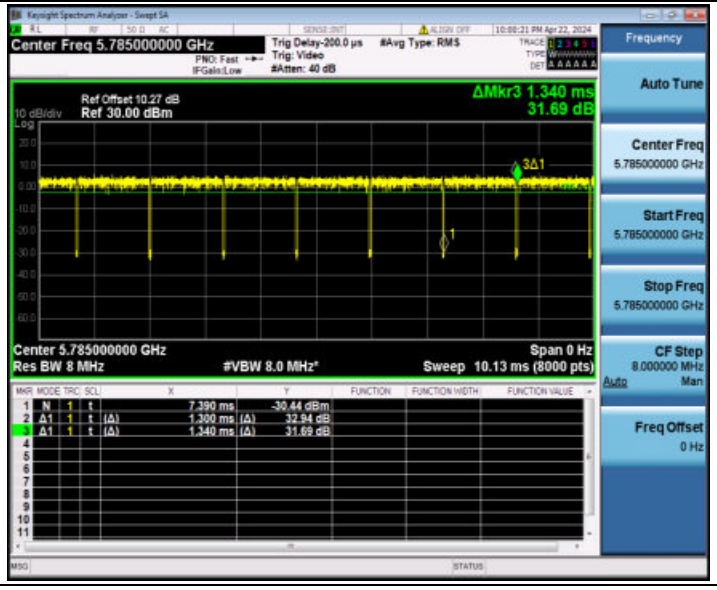
11A_Ant2_5745

11A_Ant2_5785

11A_Ant2_5825

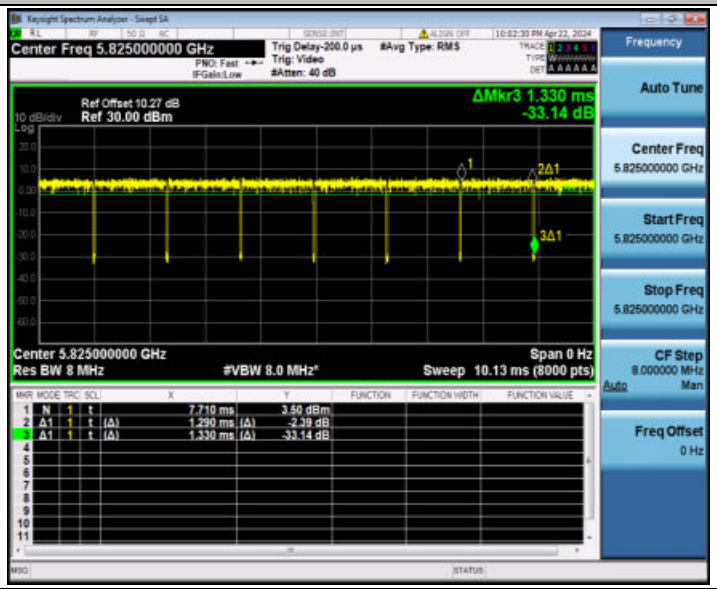
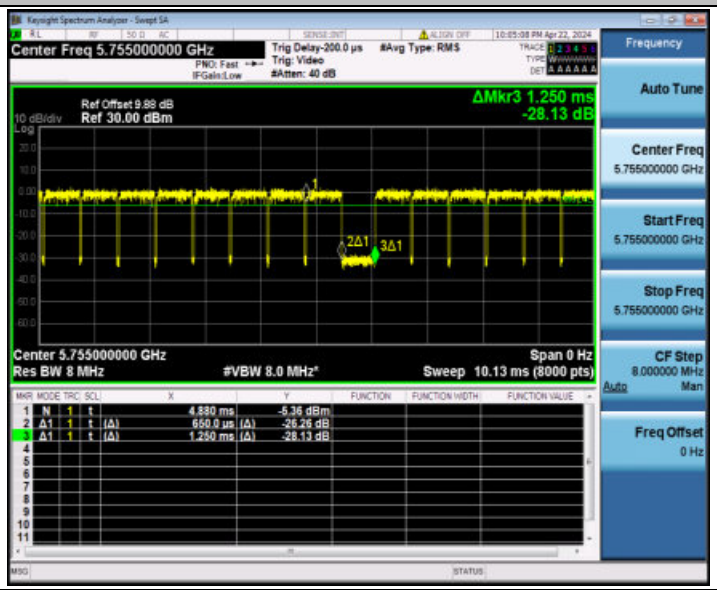


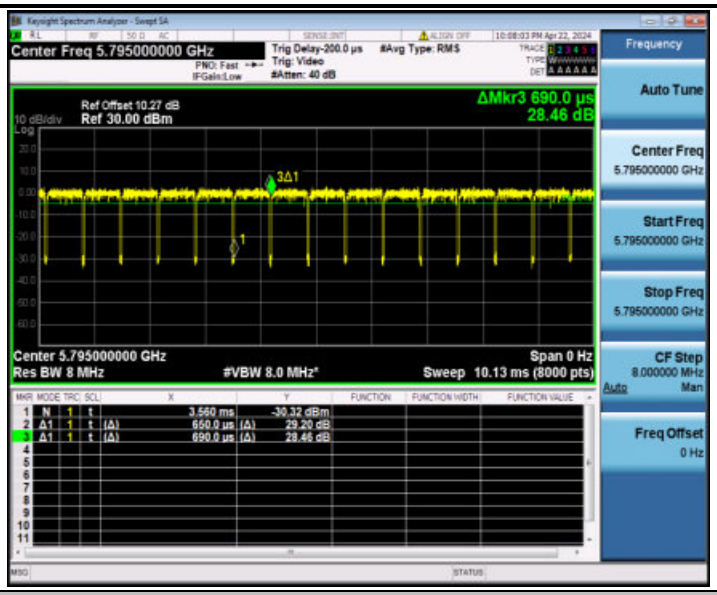
11N20SISO_Ant2_5745



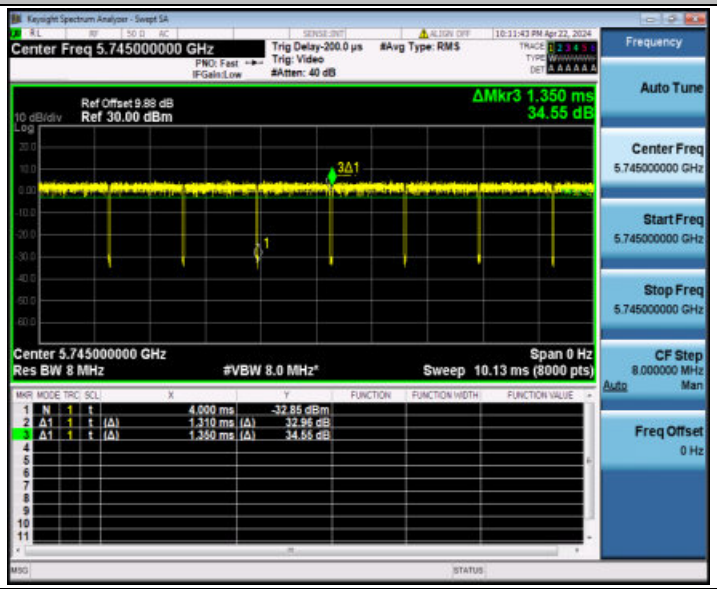
11N20SISO_Ant2_5785



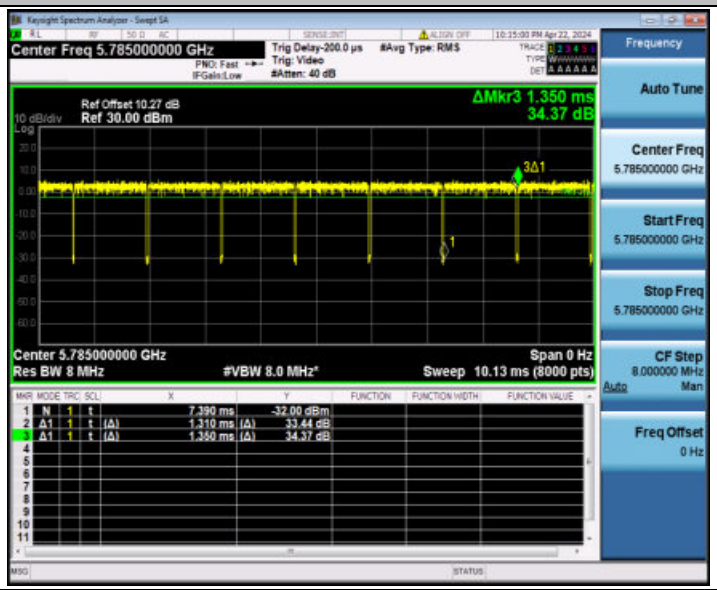
11N20SISO_Ant2_5825

11N40SISO_Ant2_5755

11N40SISO_Ant2_5795

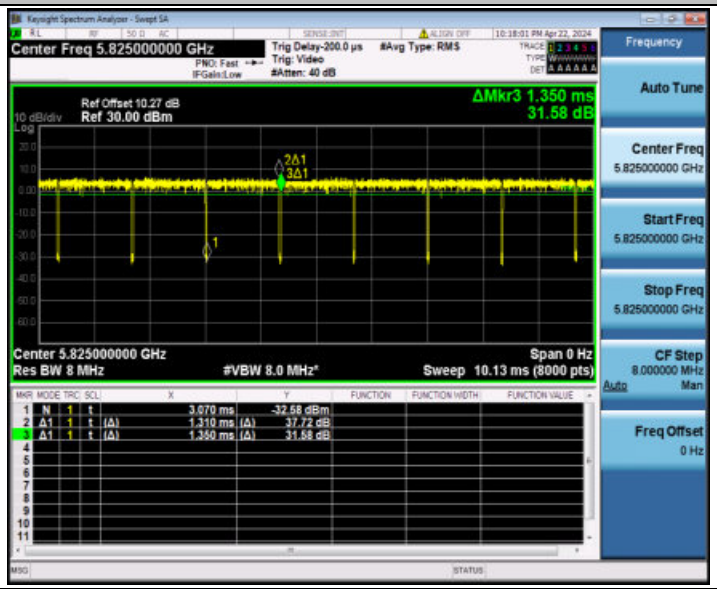
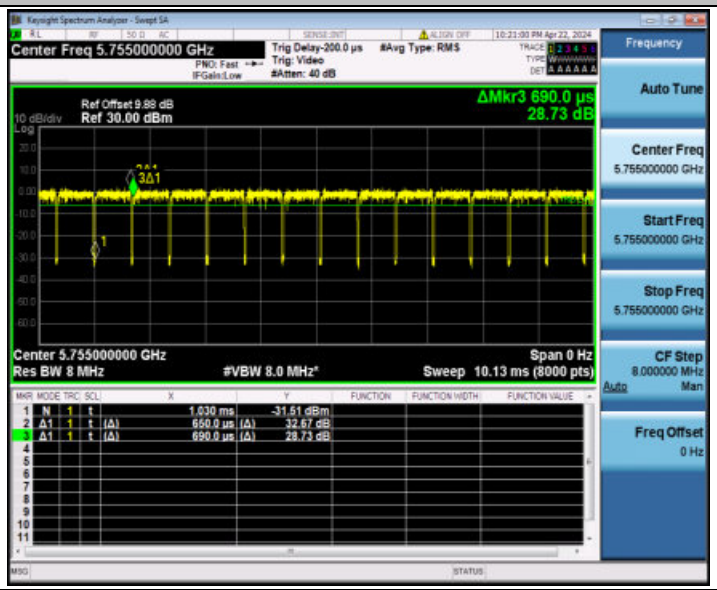


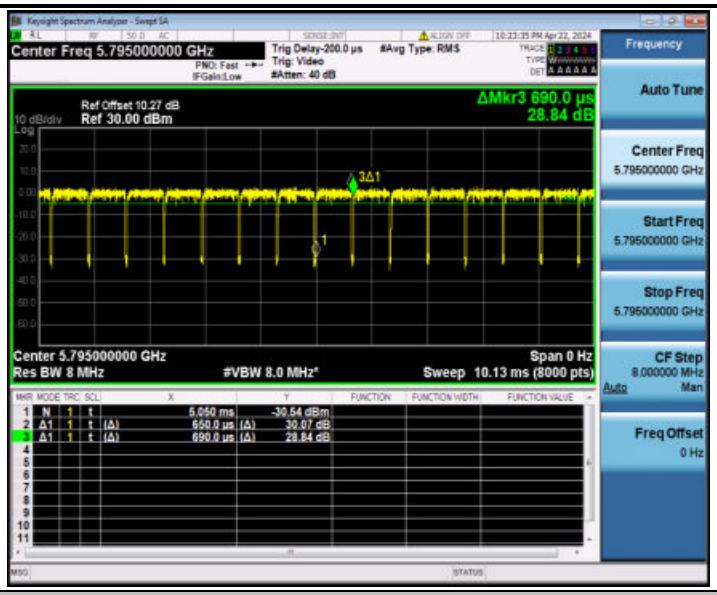
11AC20SISO_Ant2_5745



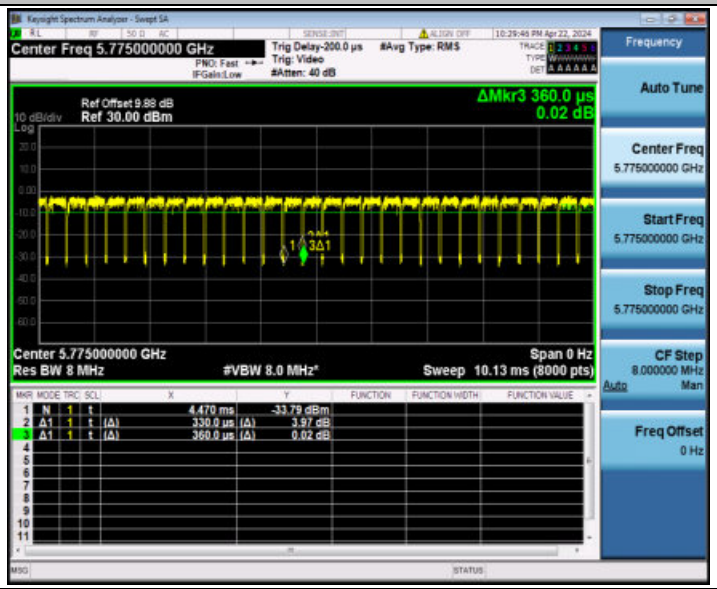
11AC20SISO_Ant2_5785



11AC20SISO_Ant2_5825

11AC40SISO_Ant2_5755

11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5775



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	6.48	97.89	0.09	6.57	≤30.00	PASS
		5785	6.44	97.20	0.12	6.56	≤30.00	PASS
		5825	6.38	97.89	0.09	6.47	≤30.00	PASS
11N20SISO	Ant2	5745	6.15	97.74	0.10	6.25	≤30.00	PASS
		5785	6.26	97.01	0.13	6.39	≤30.00	PASS
		5825	6.19	96.99	0.13	6.32	≤30.00	PASS
11N40SISO	Ant2	5755	3.75	52.00	2.84	6.59	≤30.00	PASS
		5795	5.92	94.20	0.26	6.18	≤30.00	PASS
11AC20SISO	Ant2	5745	6.33	97.04	0.13	6.46	≤30.00	PASS
		5785	6.06	97.04	0.13	6.19	≤30.00	PASS
		5825	6.33	97.04	0.13	6.46	≤30.00	PASS
11AC40SISO	Ant2	5755	6.40	94.20	0.26	6.66	≤30.00	PASS
		5795	6.30	94.20	0.26	6.56	≤30.00	PASS
11AC80SISO	Ant2	5775	5.69	91.67	0.38	6.07	≤30.00	PASS

Note：

1. The Duty Cycle Factor is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the datE.

Appendix E.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant2	5745	-9.16	≤30.00	PASS
		5785	-7.80	≤30.00	PASS
		5825	-6.93	≤30.00	PASS
11N20SISO	Ant2	5745	-8.96	≤30.00	PASS
		5785	-8.11	≤30.00	PASS
		5825	-7.14	≤30.00	PASS
11N40SISO	Ant2	5755	-9.08	≤30.00	PASS
		5795	-10.88	≤30.00	PASS
11AC20SISO	Ant2	5745	-8.77	≤30.00	PASS
		5785	-8.07	≤30.00	PASS
		5825	-7.19	≤30.00	PASS
11AC40SISO	Ant2	5755	-11.68	≤30.00	PASS
		5795	-10.80	≤30.00	PASS
11AC80SISO	Ant2	5775	-15.25	≤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



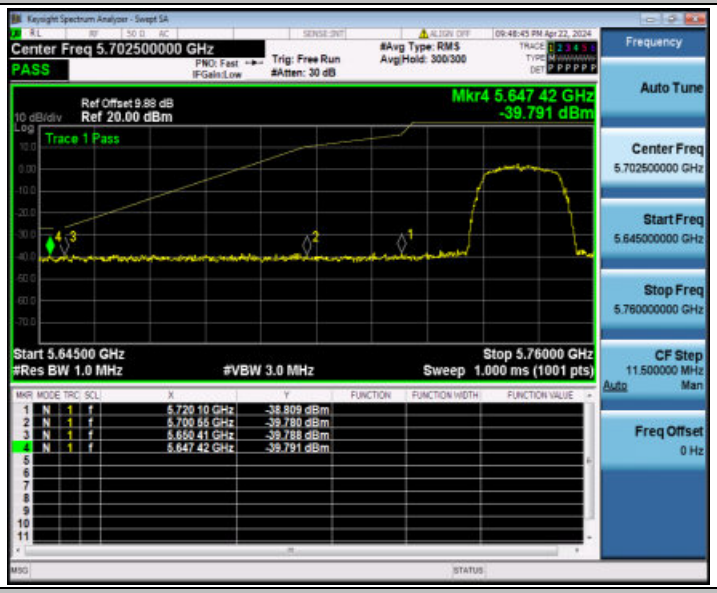
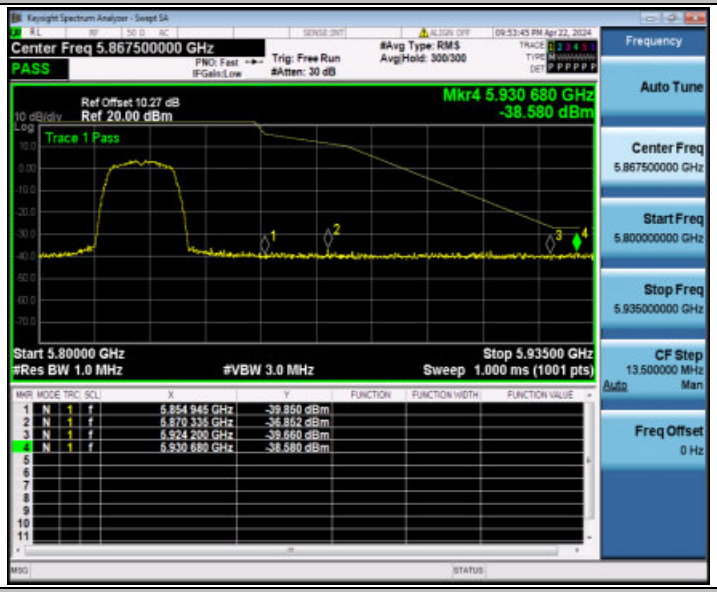
Appendix E.6: Band edge measurements

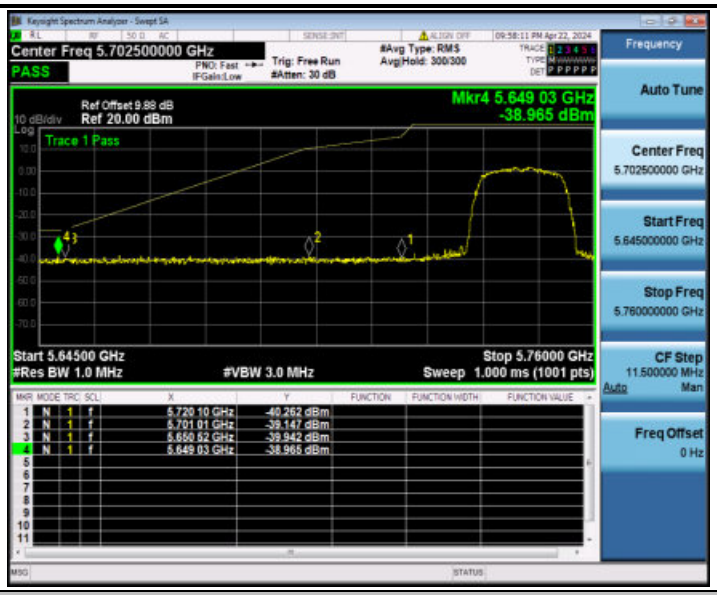
Test Result B4

TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	Low	5745	5650~5700	-39.79	≤-26.70	PASS
				5700~5720	-39.78	≤10.15	PASS
				5720~5725	-38.81	≤15.82	PASS
				5760~5650	-39.79	≤-27	PASS
		High	5825	5850~5855	-39.85	≤15.73	PASS
				5855~5875	-36.85	≤11.31	PASS
				5875~5925	-39.66	≤-26.41	PASS
				5925~5935	-38.58	≤-27	PASS
11N20SISO	Ant2	Low	5745	5650~5700	-39.94	≤-26.62	PASS
				5700~5720	-39.15	≤10.28	PASS
				5720~5725	-40.26	≤15.82	PASS
				5760~5650	-38.97	≤-27	PASS
		High	5825	5850~5855	-38.49	≤15.73	PASS
				5855~5875	-39.11	≤10.02	PASS
				5875~5925	-38.02	≤-26.21	PASS
				5925~5935	-37.57	≤-27	PASS
11N40SISO	Ant2	Low	5755	5650~5700	-39.95	≤-26.20	PASS
				5700~5720	-38.55	≤10.14	PASS
				5720~5725	-39.04	≤16.66	PASS
				5780~5650	-39.21	≤-27	PASS
		High	5795	5850~5855	-39.24	≤16.03	PASS
				5855~5875	-39.25	≤10.02	PASS
				5875~5925	-39.22	≤-26.83	PASS
				5925~5935	-37.84	≤-27	PASS
11AC20SISO	Ant2	Low	5745	5650~5700	-40.02	≤-26.70	PASS
				5700~5720	-39.44	≤10.12	PASS
				5720~5725	-39.67	≤15.82	PASS
				5760~5650	-38.82	≤-27	PASS
		High	5825	5850~5855	-39.11	≤16.34	PASS
				5855~5875	-39.5	≤10.02	PASS
				5875~5925	-38.74	≤-26.61	PASS
				5925~5935	-38.21	≤-27	PASS
11AC40SISO	Ant2	Low	5755	5650~5700	-39.34	≤-26.80	PASS
				5700~5720	-39.18	≤10.29	PASS
				5720~5725	-38.35	≤15.74	PASS
				5780~5650	-40.12	≤-27	PASS

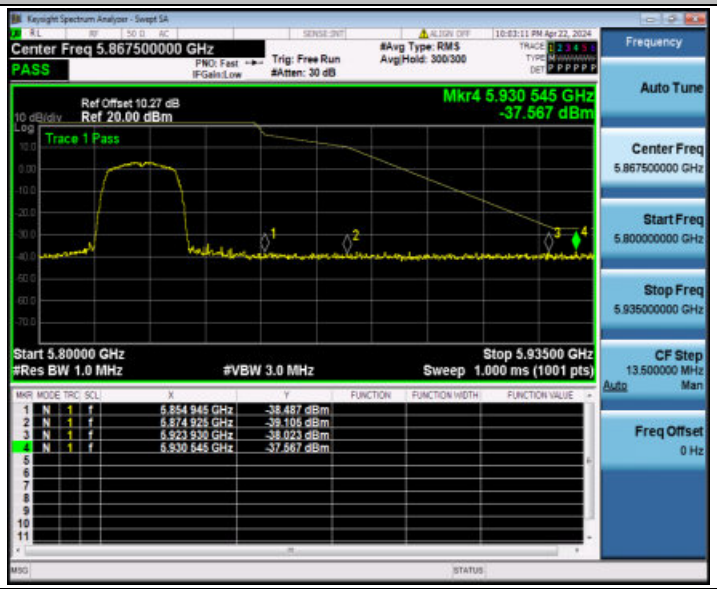
		High	5795	5850~5855	-40.21	≤15.66	PASS
				5855~5875	-38.5	≤10.85	PASS
				5875~5925	-39.64	≤-26.83	PASS
				5925~5935	-37.04	≤-27	PASS
11AC80S ISO	Ant2	Low	5775	5650~5700	-39.29	≤-25.42	PASS
				5700~5720	-39.59	≤10.22	PASS
				5720~5725	-38.55	≤16.71	PASS
				5800~5650	-39.28	≤-27	PASS
		High	5775	5850~5855	-38.97	≤15.84	PASS
				5855~5875	-37.84	≤11.38	PASS
				5875~5925	-40.37	≤-26.87	PASS
				5925~5935	-38.22	≤-27	PASS

Test Graphs B4

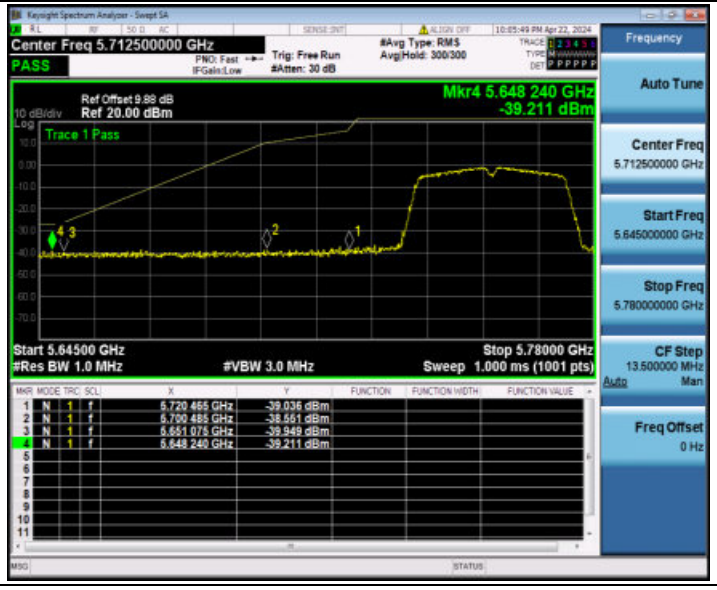
11A_Ant2_Low_5745

11A_Ant2_High_5825

11N20SISO_Ant2_Low_5745

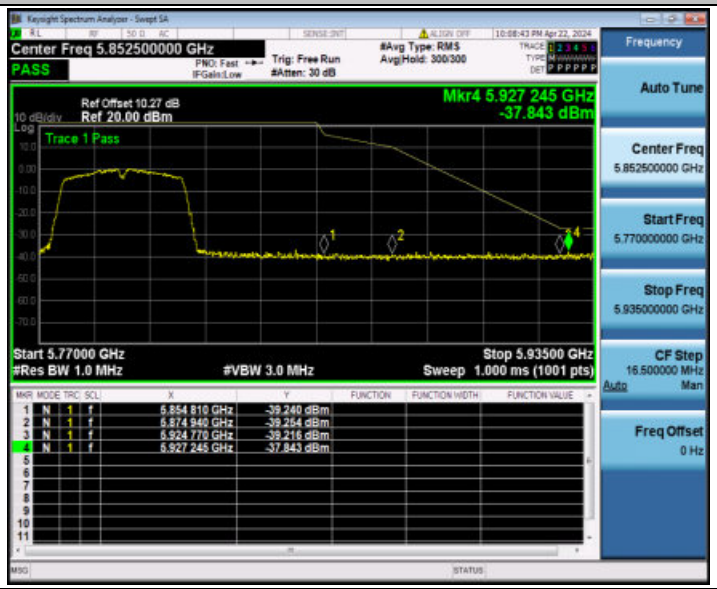
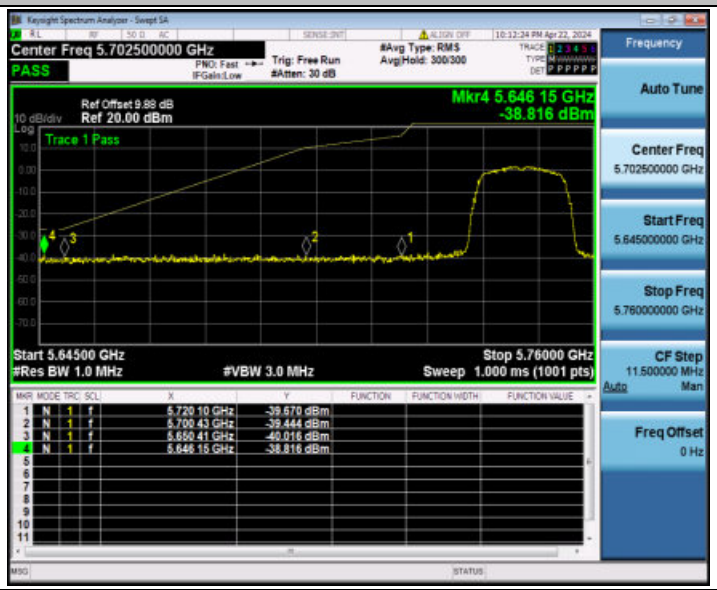


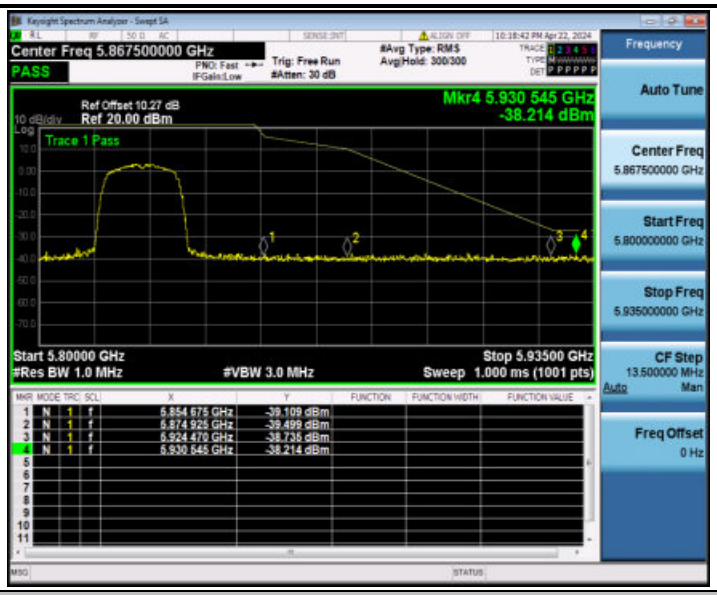
11N20SISO_Ant2_High_5825



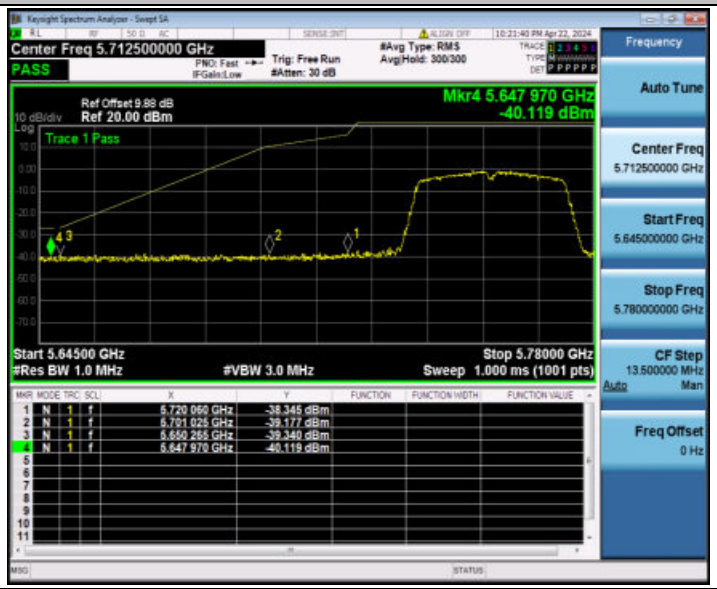
11N40SISO_Ant2_Low_5755



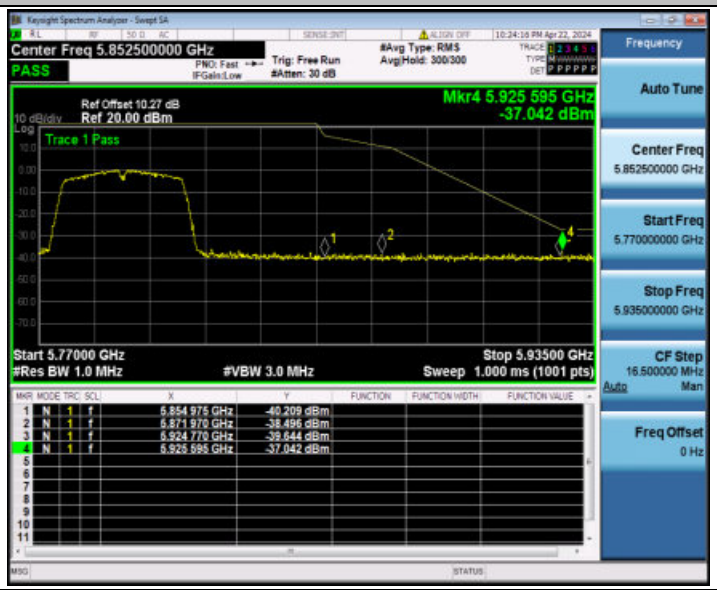
11N40SISO_Ant2_High_5795

11AC20SISO_Ant2_Low_5745

11AC20SISO_Ant2_High_5825

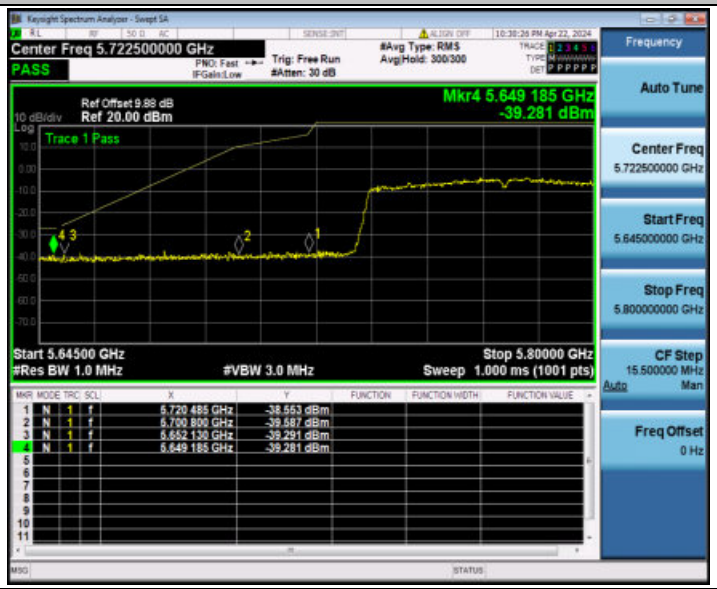


11AC40SISO_Ant2_Low_5755



11AC40SISO_Ant2_High_5795



11AC80SISO_Ant2_Low_5775

11AC80SISO_Ant2_High_5775


Appendix E.7: Conducted Spurious Emission

Test Result

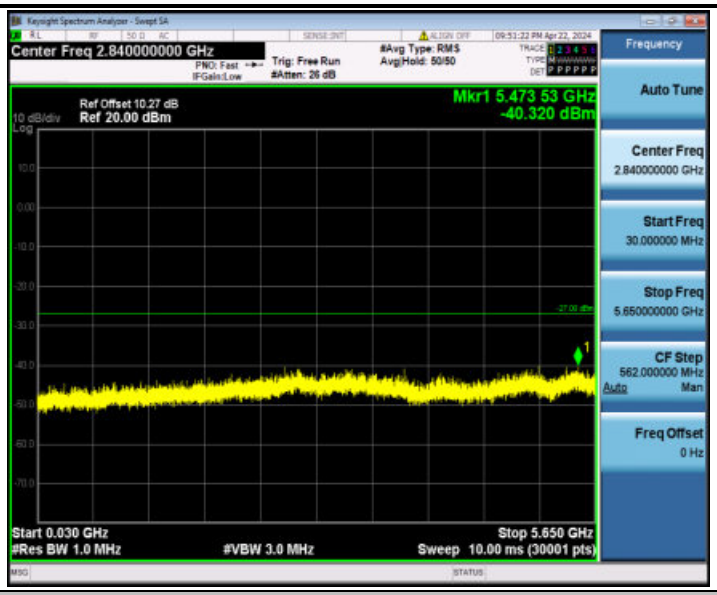
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant2	5745	30~5650	2783.8	-40.54	≤-27	PASS
			5925~40000	26069.89	-32.22	≤-27	PASS
		5785	30~5650	5473.53	-40.32	≤-27	PASS
			5925~40000	25292.22	-30.76	≤-27	PASS
		5825	30~5650	3035.58	-39.7	≤-27	PASS
			5925~40000	24194.92	-31.51	≤-27	PASS
11N20SISO	Ant2	5745	30~5650	4948.81	-40.07	≤-27	PASS
			5925~40000	26054.44	-31.84	≤-27	PASS
		5785	30~5650	3121.19	-40.31	≤-27	PASS
			5925~40000	25028.08	-31.56	≤-27	PASS
		5825	30~5650	3175.33	-40.02	≤-27	PASS
			5925~40000	26051.63	-31.54	≤-27	PASS
11N40SISO	Ant2	5755	30~5650	2792.42	-40.92	≤-27	PASS
			5925~40000	23581.64	-31.99	≤-27	PASS
		5795	30~5650	5393.17	-40	≤-27	PASS
			5925~40000	25205.11	-31.42	≤-27	PASS
11AC20SISO	Ant2	5745	30~5650	5445.99	-39.23	≤-27	PASS
			5925~40000	25109.57	-31.71	≤-27	PASS
		5785	30~5650	3338.12	-39.97	≤-27	PASS
			5925~40000	26069.19	-31.22	≤-27	PASS
		5825	30~5650	5476.34	-39.88	≤-27	PASS
			5925~40000	26067.08	-31.55	≤-27	PASS
11AC40SISO	Ant2	5755	30~5650	2909.88	-39.83	≤-27	PASS
			5925~40000	26955.04	-31.84	≤-27	PASS
		5795	30~5650	3248.2	-40.14	≤-27	PASS
			5925~40000	25563.39	-31.5	≤-27	PASS
11AC80SISO	Ant2	5775	30~5650	5483.27	-40.38	≤-27	PASS
			5925~40000	24232.15	-31.79	≤-27	PASS

Test Graphs

11A_Ant2_5745_30~5650

11A_Ant2_5745_5925~40000

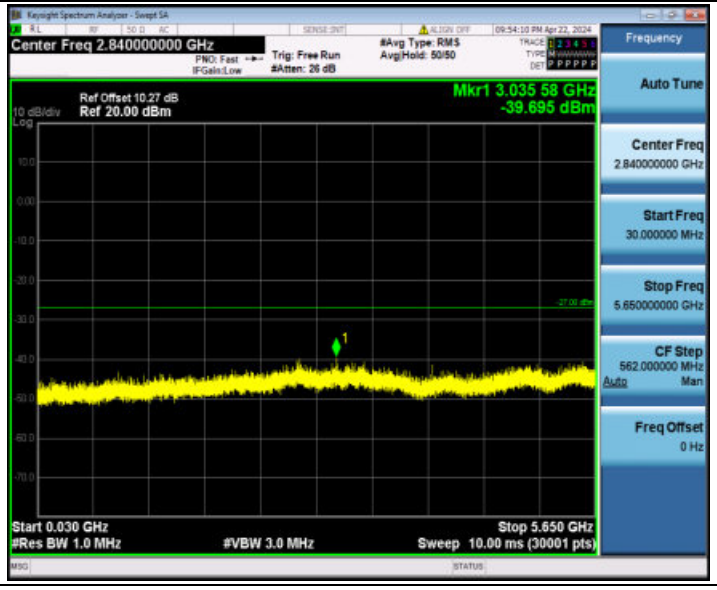
11A_Ant2_5785_30~5650



11A_Ant2_5785_5925~40000



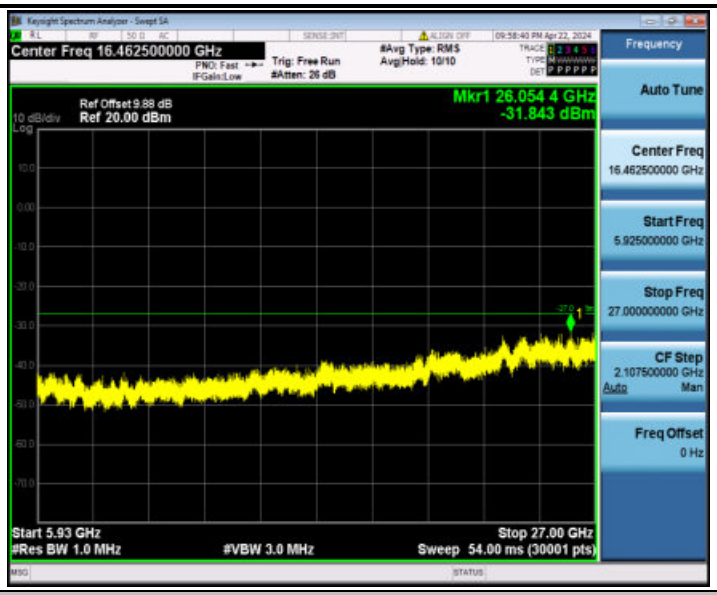
11A_Ant2_5825_30~5650



11A_Ant2_5825_5925~40000

11N20SISO_Ant2_5745_30~5650

11N20SISO_Ant2_5745_5925~40000



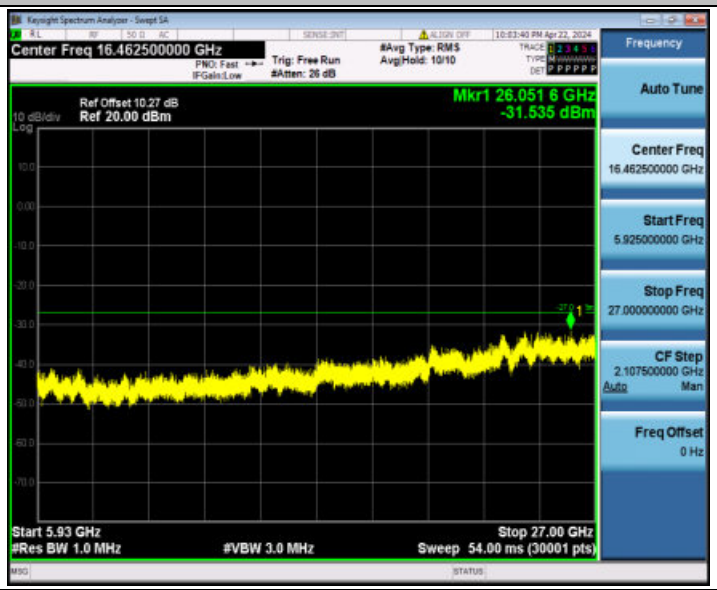
11N20SISO_Ant2_5785_30~5650

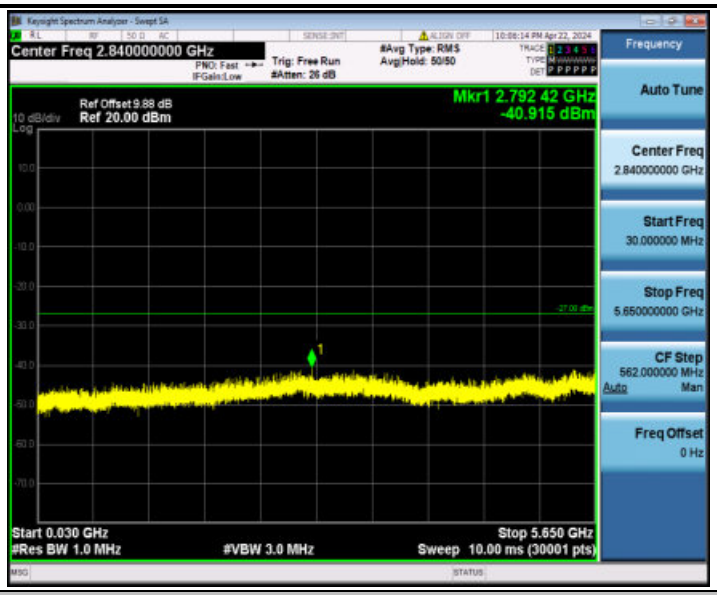


11N20SISO_Ant2_5785_5925~40000



11N20SISO_Ant2_5825_30~5650

11N20SISO_Ant2_5825_5925~40000

11N40SISO_Ant2_5755_30~5650



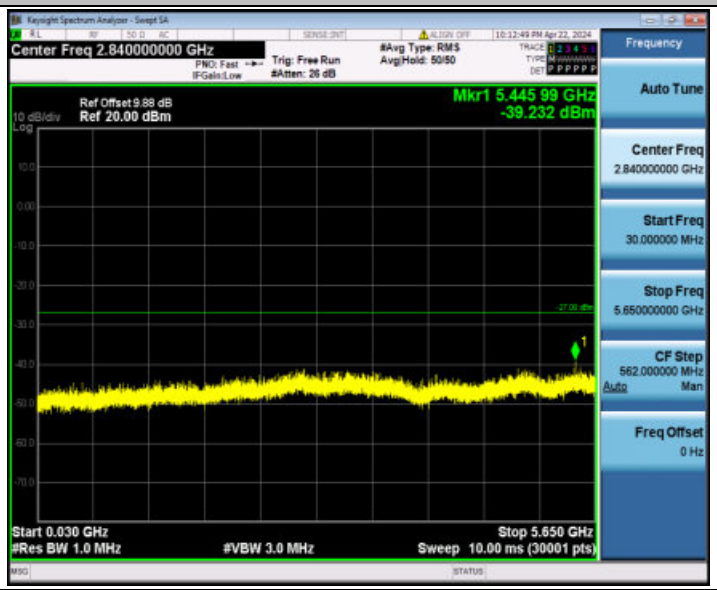
11N40SISO_Ant2_5755_5925~40000



11N40SISO_Ant2_5795_30~5650



11N40SISO_Ant2_5795_5925~40000

11AC20SISO_Ant2_5745_30~5650

11AC20SISO_Ant2_5745_5925~40000



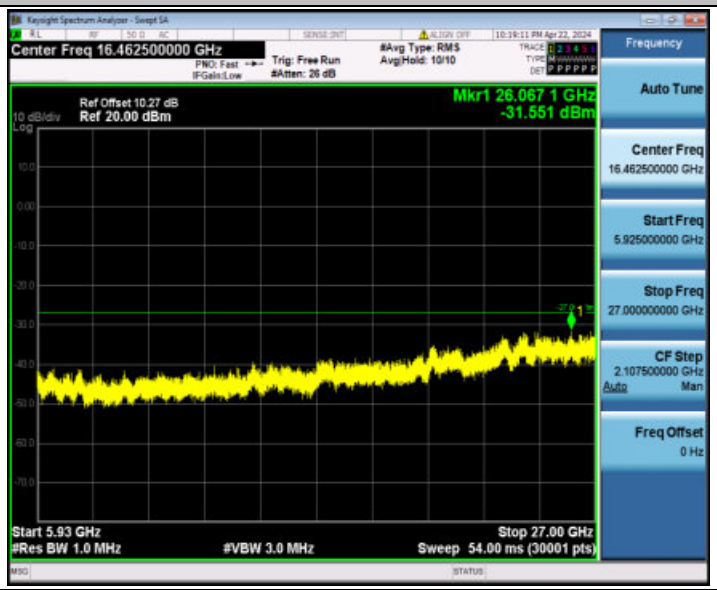
11AC20SISO_Ant2_5785_30~5650



11AC20SISO_Ant2_5785_5925~40000



11AC20SISO_Ant2_5825_30~5650

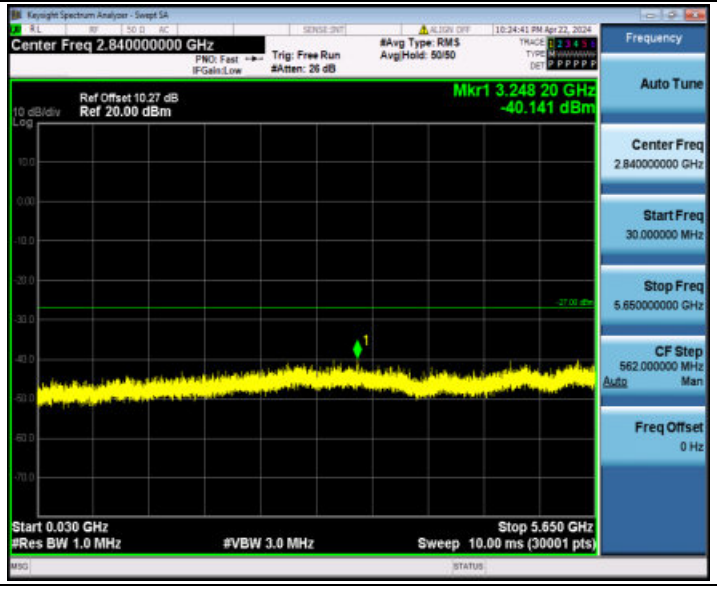
11AC20SISO_Ant2_5825_5925~40000

11AC40SISO_Ant2_5755_30~5650



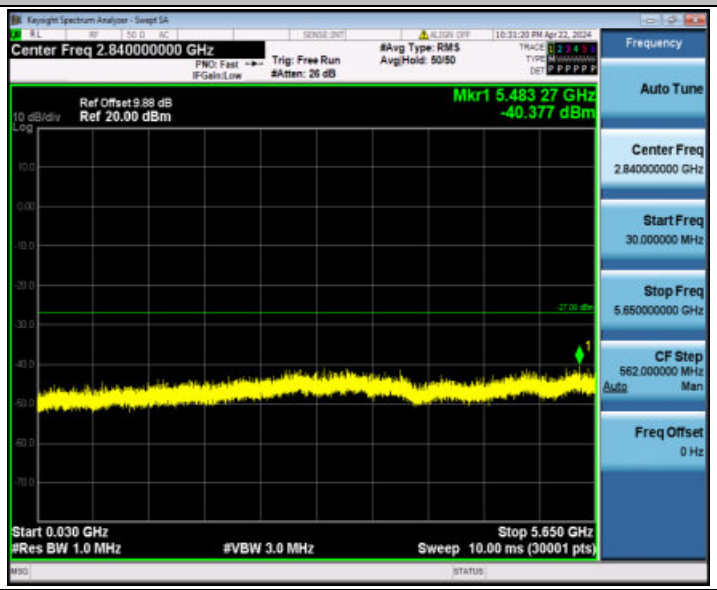
11AC40SISO_Ant2_5755_5925~40000



11AC40SISO_Ant2_5795_30~5650



11AC40SISO_Ant2_5795_5925~40000

11AC80SISO_Ant2_5775_30~5650

11AC80SISO_Ant2_5775_5925~40000


Keysight Spectrum Analyzer - Swept SA
Center Freq 16.462500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
#Avg Type: RMS
Avg|Hold: 10/10
10:31:24 PM Apr 22, 2024
Frequency
Ref Offset 9.88 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 24.232 2 GHz
-31.785 dBm
Auto Tune
Center Freq
16.462500000 GHz
Start Freq
5.925000000 GHz
Stop Freq
27.000000000 GHz
CF Step
2.107500000 GHz
Auto
Man
Freq Offset
0 Hz
Start 5.93 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 27.00 GHz
Sweep 54.00 ms (30001 pts)
MSG
STATUS