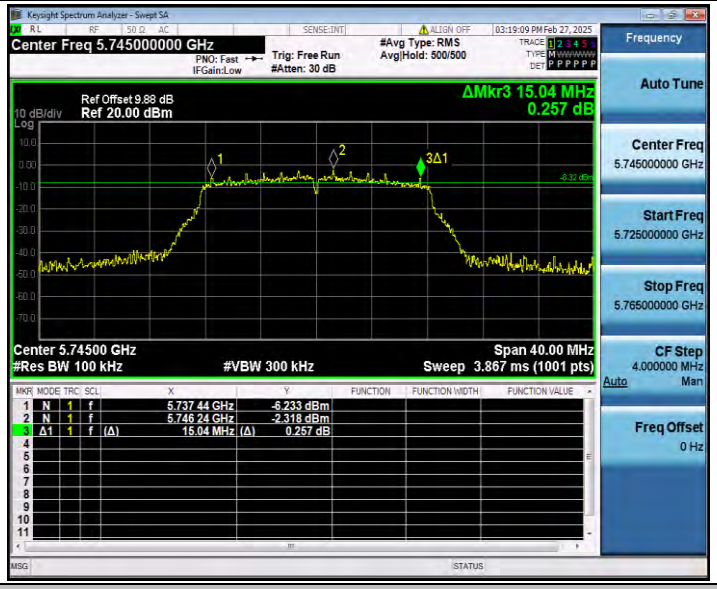
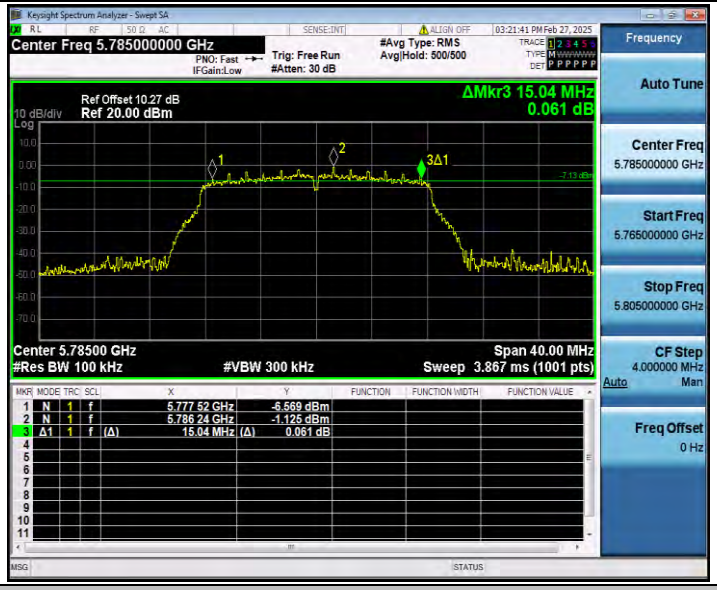
Case No. : GTS20250213022-1-04	
Ambient Condition: 22 ℃, 48 %RH	
According Standard: ■Part15E	
Test Date: 2025.2.17—2025.3.4	**Test Engineer:** Evan ouyang

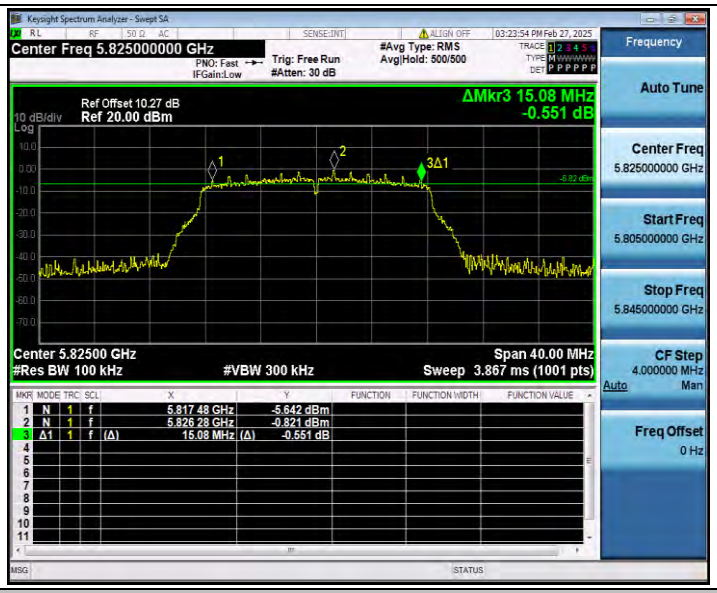
Appendix E.1: Min emission bandwidth

Test Result B4

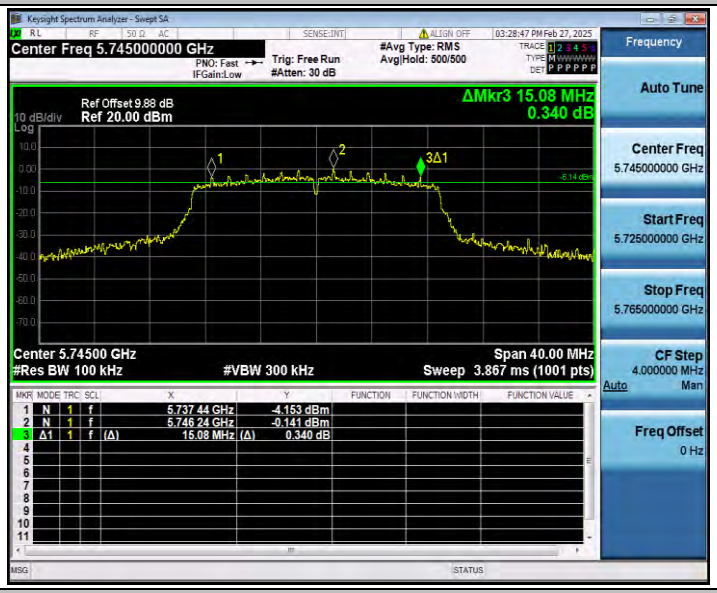
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5745	15.040	5737.440	5752.480	0.5	PASS
		5785	15.040	5777.520	5792.560	0.5	PASS
		5825	15.080	5817.480	5832.560	0.5	PASS
11N20SISO	Ant2	5745	15.080	5737.440	5752.520	0.5	PASS
		5785	15.080	5777.480	5792.560	0.5	PASS
		5825	15.120	5817.440	5832.560	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	15.360	5737.400	5752.760	0.5	PASS
		5785	15.080	5777.440	5792.520	0.5	PASS
		5825	13.920	5818.640	5832.560	0.5	PASS
11AC40SISO	Ant2	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC80SISO	Ant2	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

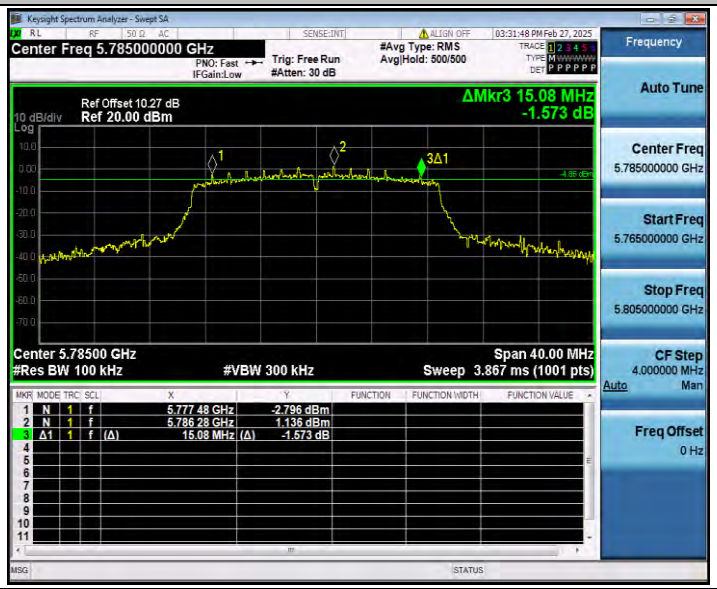
11A_Ant2_5745

11A_Ant2_5785

11A_Ant2_5825

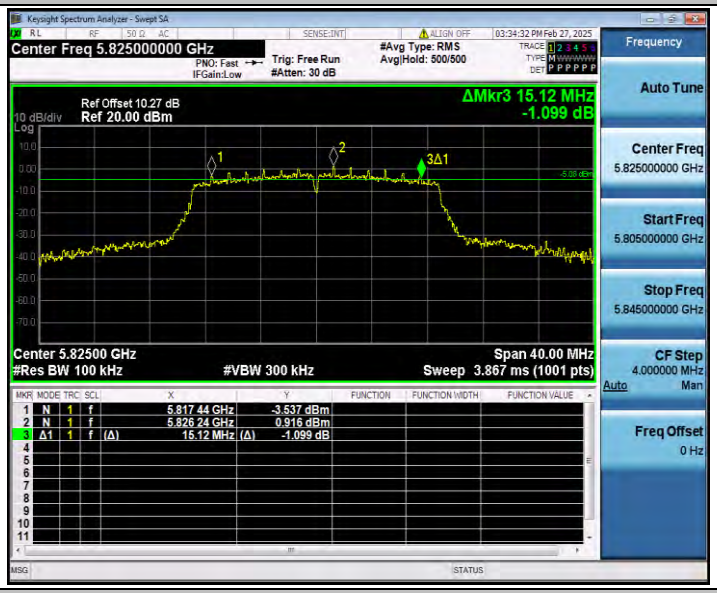
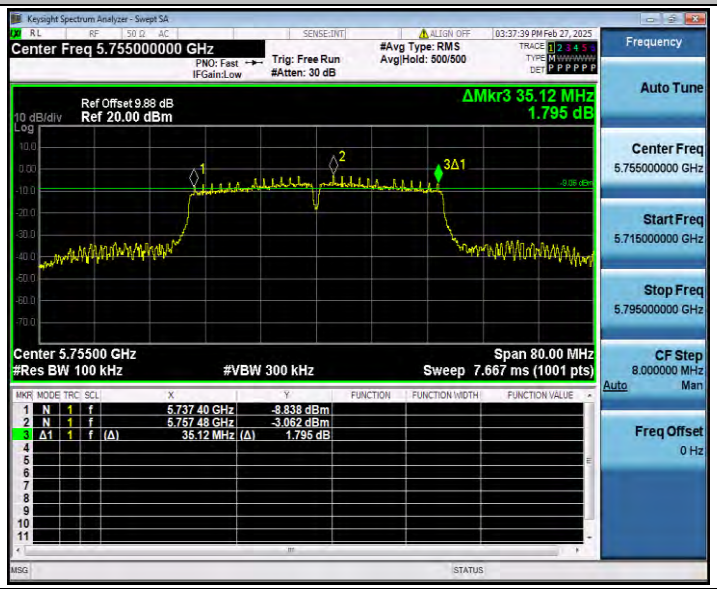


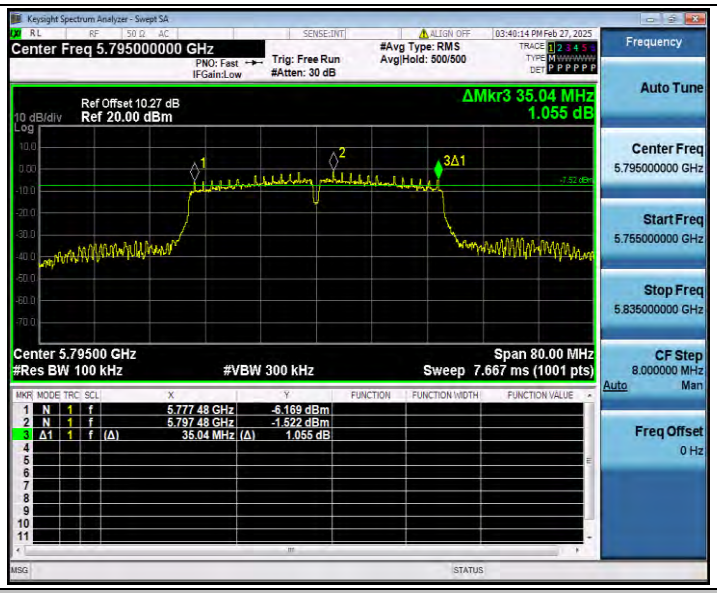
11N20SISO_Ant2_5745



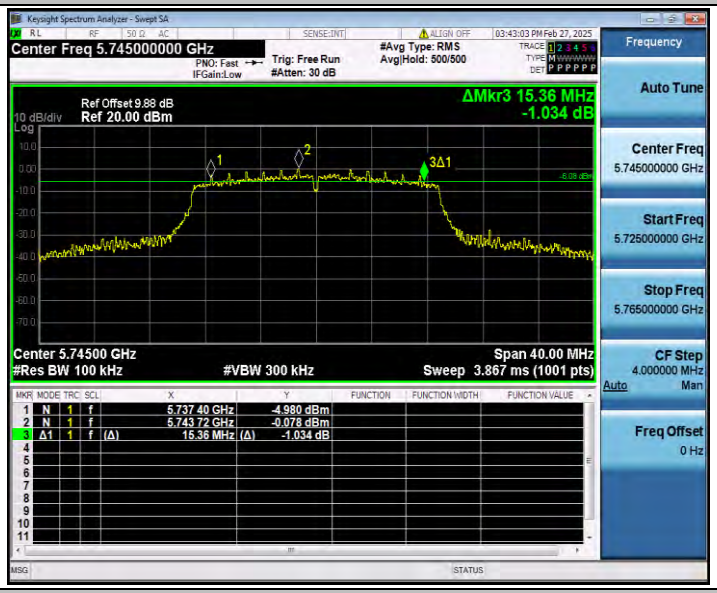
11N20SISO_Ant2_5785



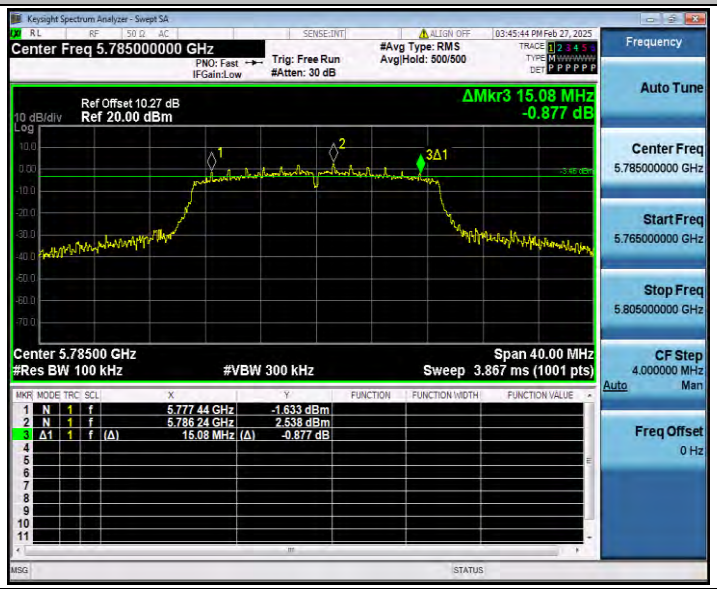
11N20SISO_Ant2_5825

11N40SISO_Ant2_5755

11N40SISO_Ant2_5795

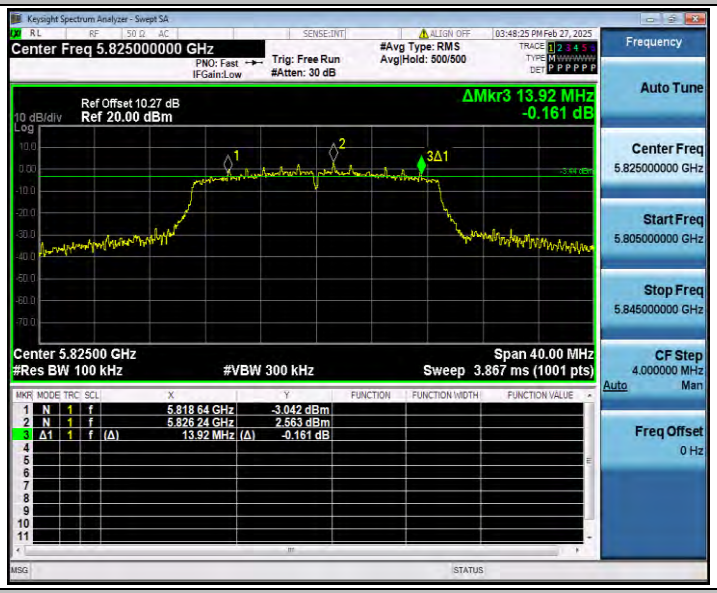
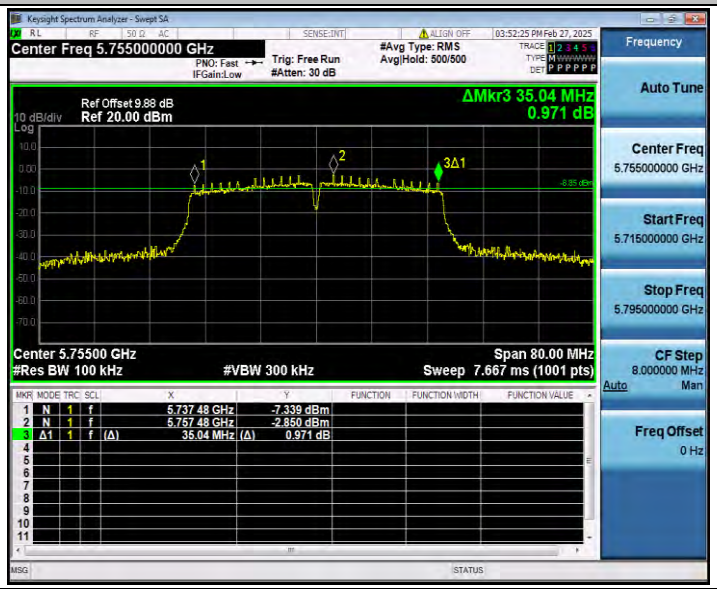


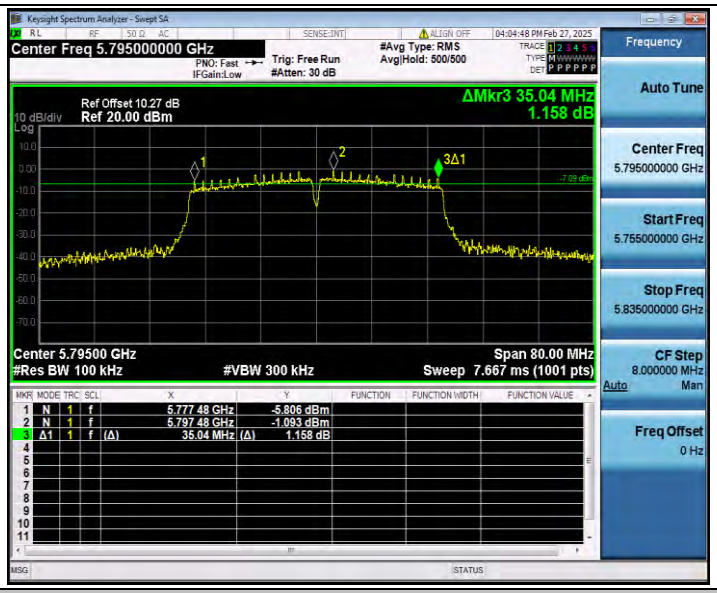
11AC20SISO_Ant2_5745



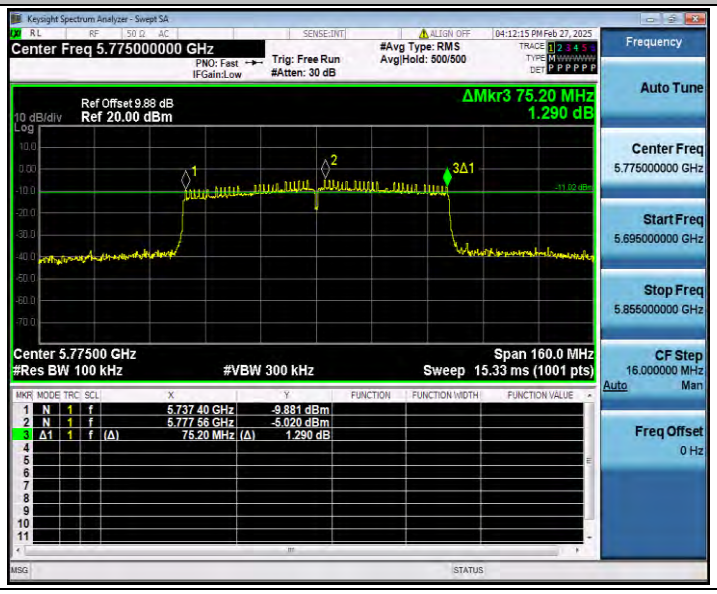
11AC20SISO_Ant2_5785



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	16.969	5736.4864	5753.4554	---	---
		5785	16.855	5776.5954	5793.4504	---	---
		5825	16.877	5816.5681	5833.4451	---	---
11N20SISO	Ant2	5745	18.046	5735.9738	5754.0198	---	---
		5785	18.003	5776.0378	5794.0408	---	---
		5825	17.981	5816.0314	5834.0124	---	---
11N40SISO	Ant2	5755	36.758	5736.6957	5773.4537	---	---
		5795	36.646	5776.8168	5813.4628	---	---
11AC20SISO	Ant2	5745	17.989	5736.0057	5753.9947	---	---
		5785	17.949	5776.0769	5794.0259	---	---
		5825	17.966	5816.0302	5833.9962	---	---
11AC40SISO	Ant2	5755	36.489	5736.8383	5773.3273	---	---
		5795	36.324	5776.9387	5813.2627	---	---
11AC80SISO	Ant2	5775	75.542	5737.4452	5812.9872	---	---

Test Graphs

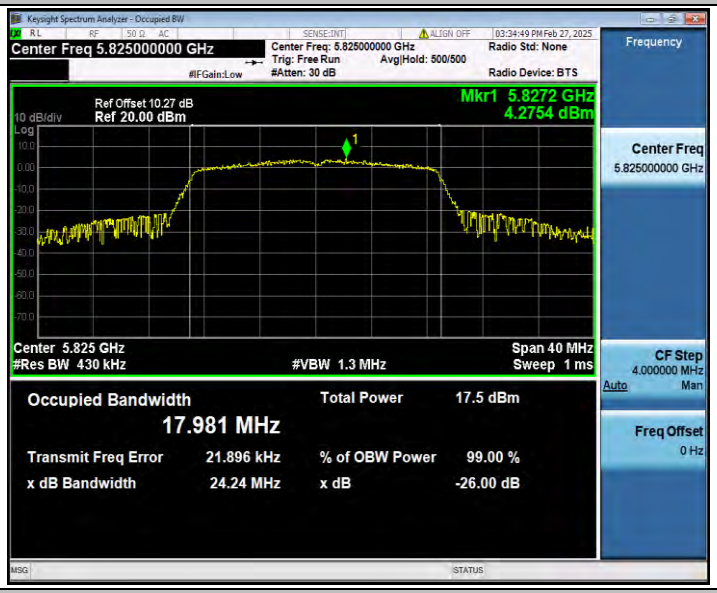
11A_Ant2_5745

11A_Ant2_5785

11A_Ant2_5825

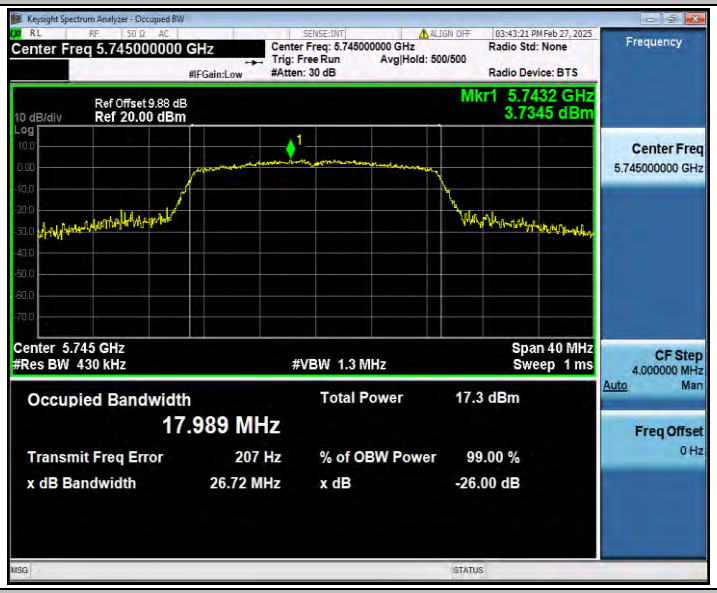
11N20SISO_Ant2_5745

11N20SISO_Ant2_5785

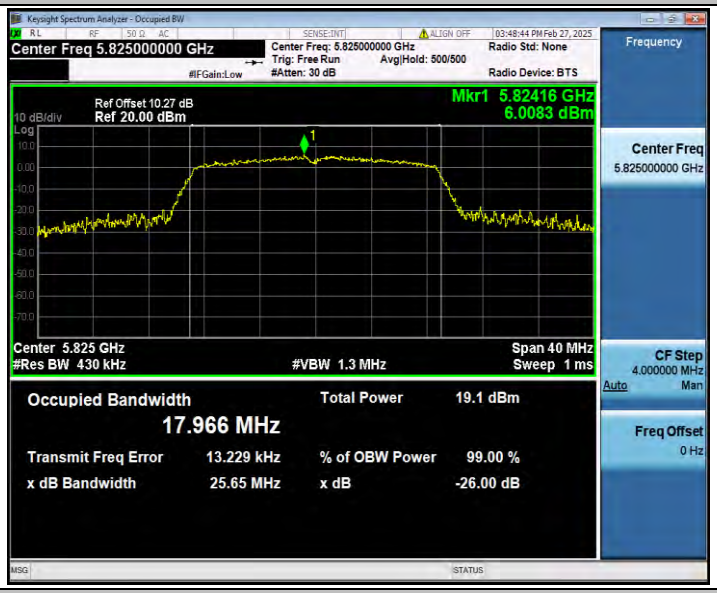
11N20SISO_Ant2_5825

11N40SISO_Ant2_5755

11N40SISO_Ant2_5795

11AC20SISO_Ant2_5745



11AC20SISO_Ant2_5785

11AC20SISO_Ant2_5825

11AC40SISO_Ant2_5755

11AC40SISO_Ant2_5795

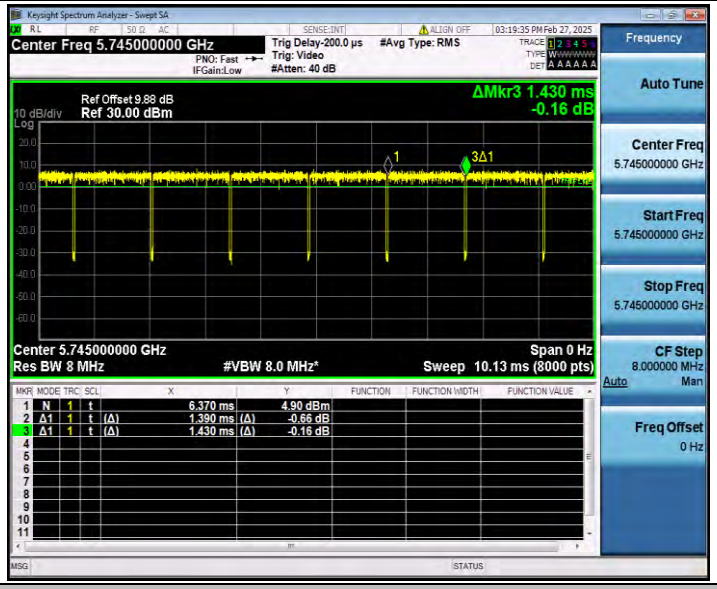
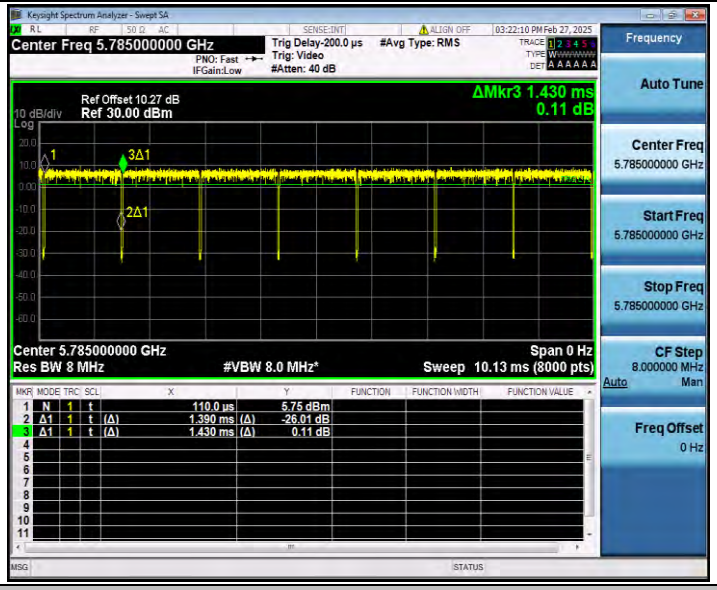
11AC80SISO_Ant2_5775

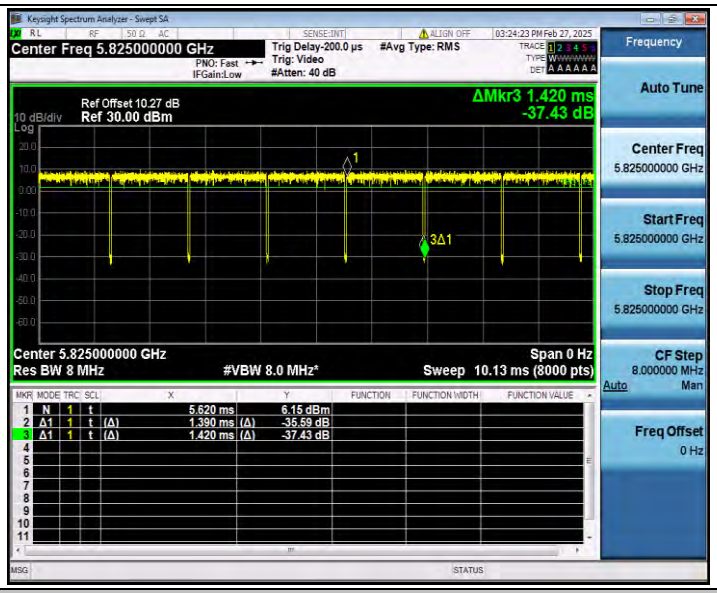
Appendix E.3: Duty Cycle

Test Result

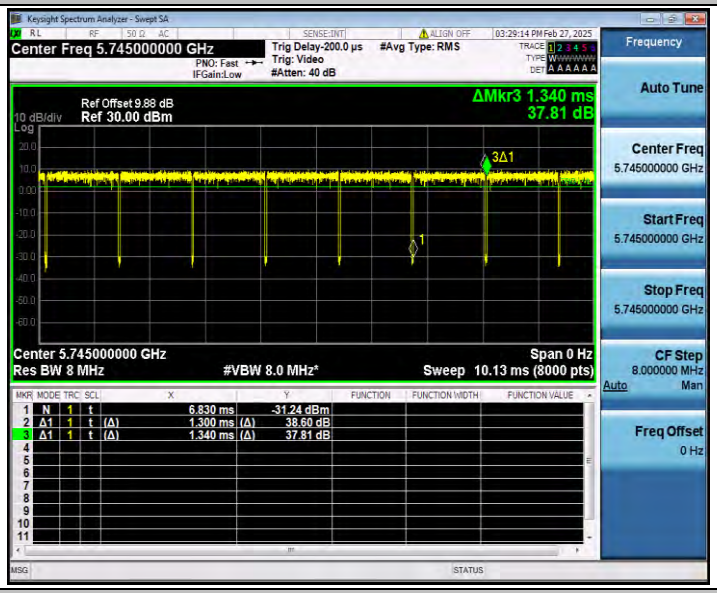
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant2	5745	1.39	1.43	97.20	0.12	0.72
		5785	1.39	1.43	97.20	0.12	0.72
		5825	1.39	1.42	97.89	0.09	0.72
11N20SISO	Ant2	5745	1.30	1.34	97.01	0.13	0.77
		5785	1.30	1.33	97.74	0.10	0.77
		5825	1.30	1.34	97.01	0.13	0.77
11N40SISO	Ant2	5755	0.65	0.69	94.20	0.26	1.54
		5795	0.65	0.68	95.59	0.20	1.54
11AC20SISO	Ant2	5745	1.31	1.34	97.76	0.10	0.76
		5785	1.31	1.34	97.76	0.10	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	0.66	0.69	95.65	0.19	1.52
11AC80SISO	Ant2	5775	0.32	0.36	88.89	0.51	3.13

Test Graphs

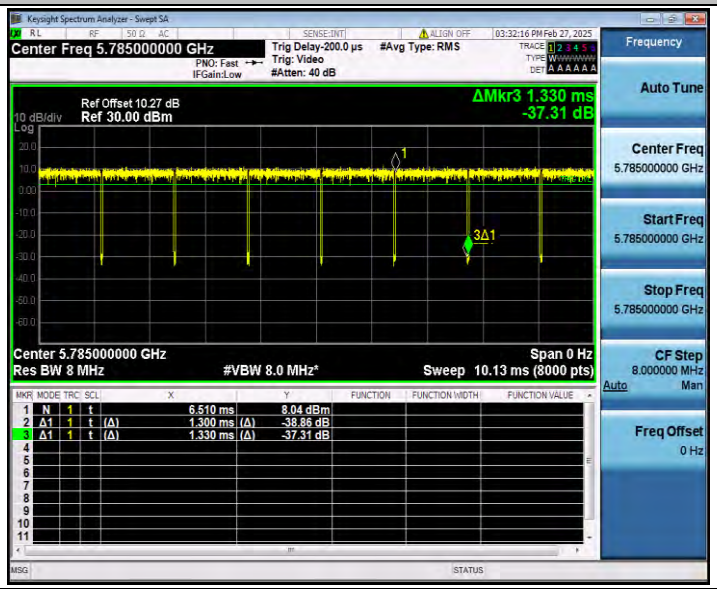
11A_Ant2_5745

11A_Ant2_5785

11A_Ant2_5825

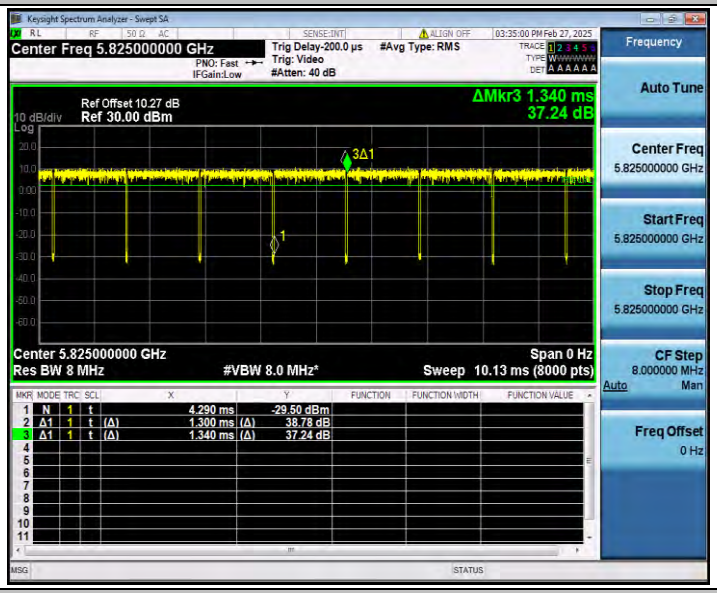
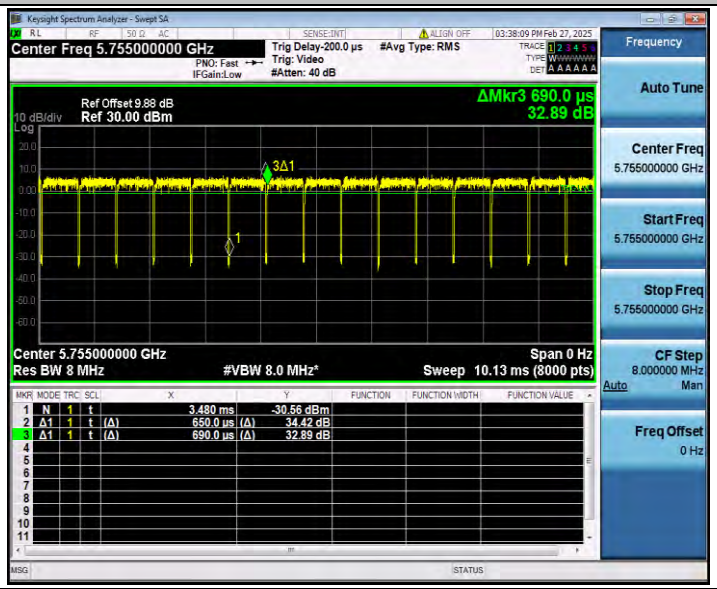


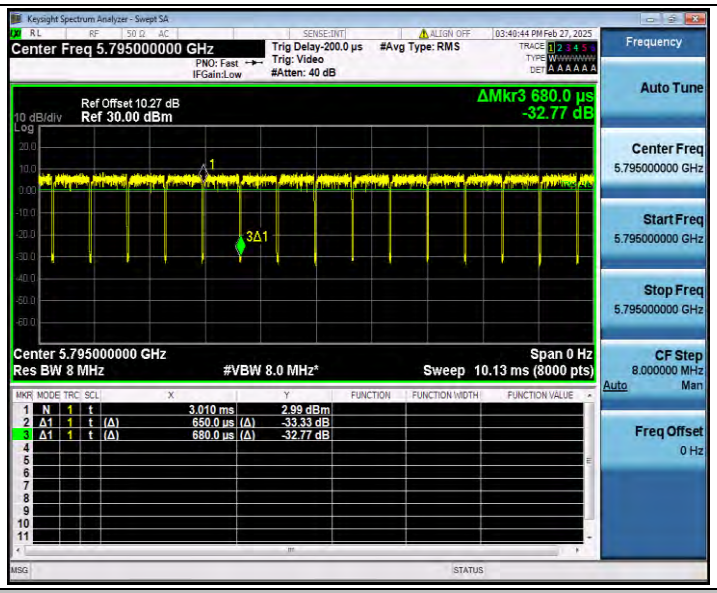
11N20SISO_Ant2_5745



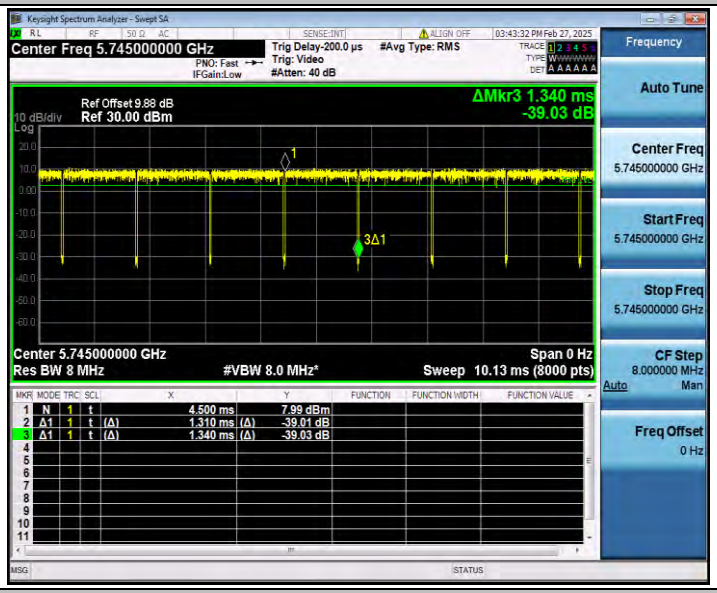
11N20SISO_Ant2_5785



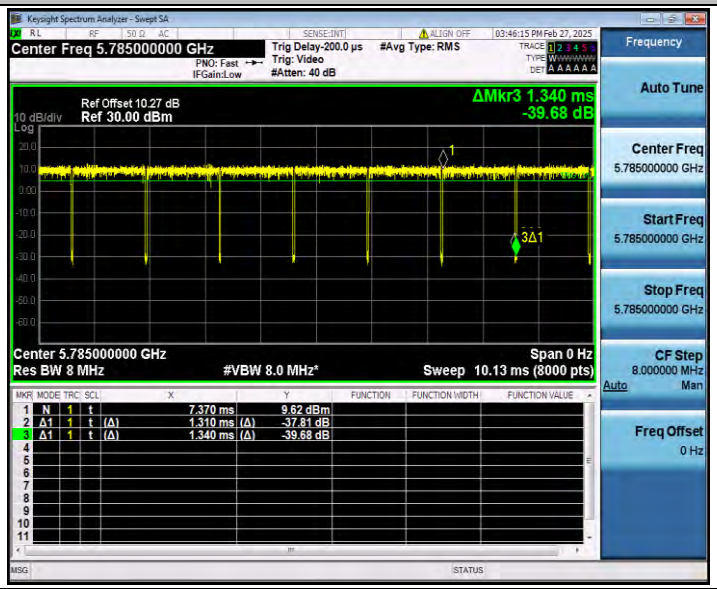
11N20SISO_Ant2_5825

11N40SISO_Ant2_5755

11N40SISO_Ant2_5795

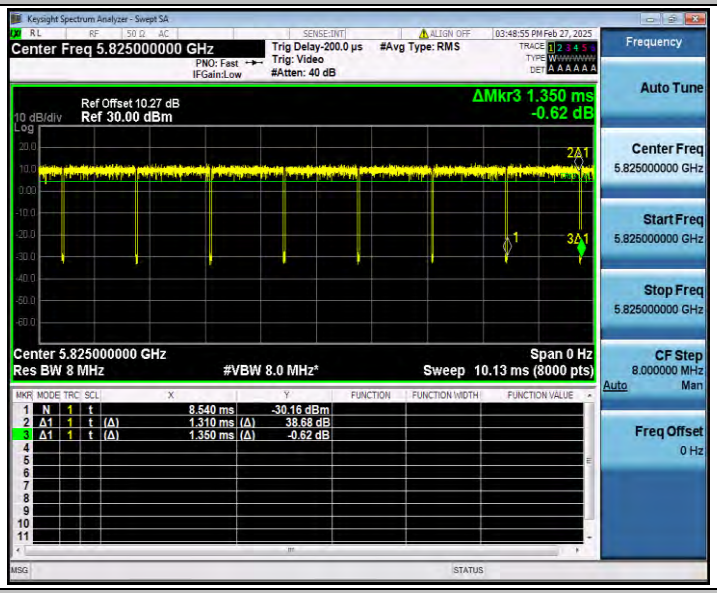
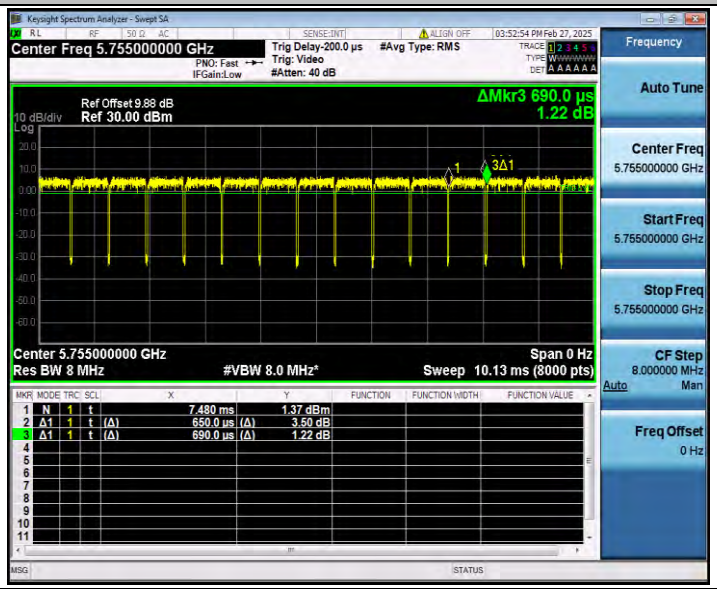


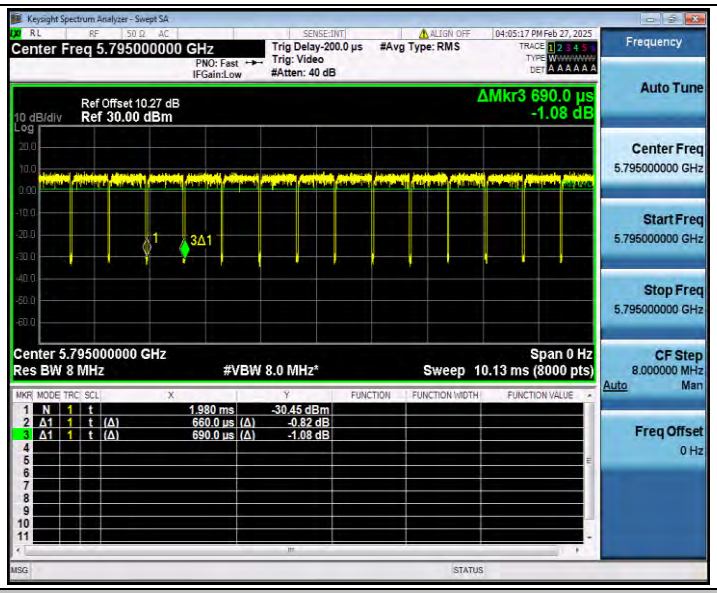
11AC20SISO_Ant2_5745



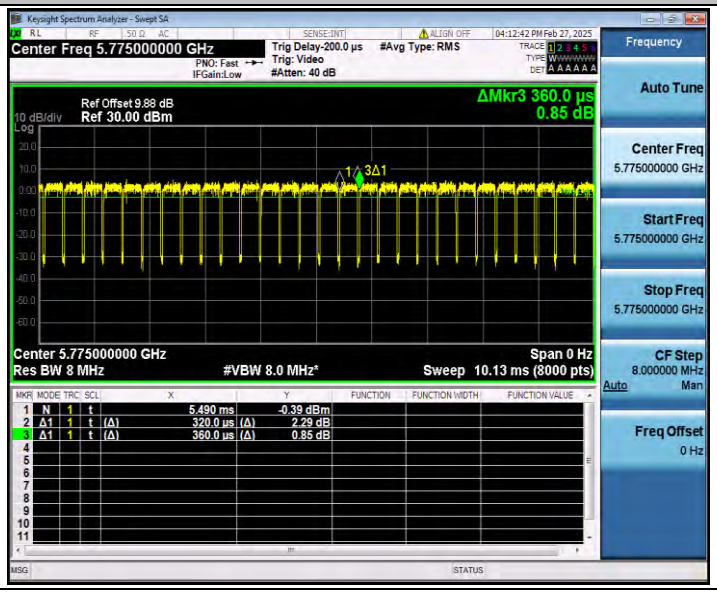
11AC20SISO_Ant2_5785



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	7.75	97.20	0.12	7.87	≤30.00	PASS
		5785	8.80	97.20	0.12	8.92	≤30.00	PASS
		5825	9.17	97.89	0.09	9.26	≤30.00	PASS
11N20SISO	Ant2	5745	9.77	97.01	0.13	9.90	≤30.00	PASS
		5785	11.18	97.74	0.10	11.28	≤30.00	PASS
		5825	10.74	97.01	0.13	10.87	≤30.00	PASS
11N40SISO	Ant2	5755	9.43	94.20	0.26	9.69	≤30.00	PASS
		5795	10.85	95.59	0.20	11.05	≤30.00	PASS
11AC20SISO	Ant2	5745	10.40	97.76	0.10	10.50	≤30.00	PASS
		5785	12.23	97.76	0.10	12.33	≤30.00	PASS
		5825	12.14	97.04	0.13	12.27	≤30.00	PASS
11AC40SISO	Ant2	5755	9.46	94.20	0.26	9.72	≤30.00	PASS
		5795	11.42	95.65	0.19	11.61	≤30.00	PASS
11AC80SISO	Ant2	5775	10.36	88.89	0.51	10.87	≤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	-5.47	≤30.00	PASS
		5785	-4.44	≤30.00	PASS
		5825	-4.05	≤30.00	PASS
11N20SISO	Ant2	5745	-3.65	≤30.00	PASS
		5785	-2.42	≤30.00	PASS
		5825	-2.52	≤30.00	PASS
11N40SISO	Ant2	5755	-6.66	≤30.00	PASS
		5795	-5.17	≤30.00	PASS
11AC20SISO	Ant2	5745	-2.93	≤30.00	PASS
		5785	-1.17	≤30.00	PASS
		5825	-1.15	≤30.00	PASS
11AC40SISO	Ant2	5755	-6.57	≤30.00	PASS
		5795	-4.62	≤30.00	PASS
11AC80SISO	Ant2	5775	-8.50	≤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

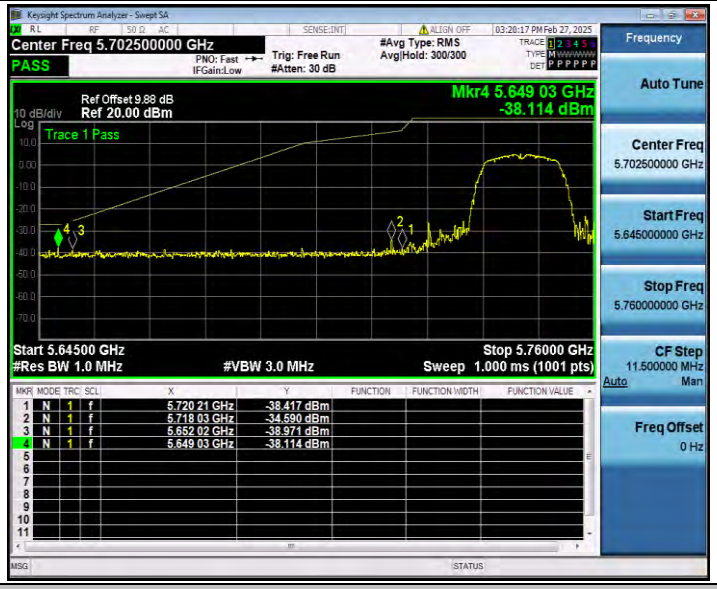
Appendix E.6: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	Low	5745	5650~5700	-38.97	≤-25.51	PASS
				5700~5720	-34.59	≤15.05	PASS
				5720~5725	-38.42	≤16.08	PASS
				5760~5650	-38.11	≤-27	PASS
		High	5825	5850~5855	-30.4	≤21.27	PASS
				5855~5875	-38.02	≤10.06	PASS
				5875~5925	-38.59	≤-26.71	PASS
				5925~5935	-37.06	≤-27	PASS
11N20SISO	Ant2	Low	5745	5650~5700	-39.62	≤-26.36	PASS
				5700~5720	-28.69	≤15.59	PASS
				5720~5725	-31.17	≤16.08	PASS
				5760~5650	-39.72	≤-27	PASS
		High	5825	5850~5855	-30.43	≤17.88	PASS
				5855~5875	-29.71	≤15.24	PASS
				5875~5925	-39.64	≤-26.71	PASS
				5925~5935	-38.51	≤-27	PASS
11N40SISO	Ant2	Low	5755	5650~5700	-40.97	≤-26.90	PASS
				5700~5720	-22.81	≤15.43	PASS
				5720~5725	-23.19	≤16.04	PASS
				5780~5650	-39.66	≤-27	PASS
		High	5795	5850~5855	-32.91	≤16.03	PASS
				5855~5875	-32.17	≤12.37	PASS
				5875~5925	-39.67	≤-26.83	PASS
				5925~5935	-37.87	≤-27	PASS
11AC20SISO	Ant2	Low	5745	5650~5700	-40.35	≤-26.79	PASS
				5700~5720	-30.48	≤15.53	PASS
				5720~5725	-29.3	≤16.08	PASS
				5760~5650	-40.32	≤-27	PASS
		High	5825	5850~5855	-28.81	≤16.96	PASS
				5855~5875	-28.71	≤15.43	PASS
				5875~5925	-39.09	≤-26.71	PASS
				5925~5935	-37.95	≤-27	PASS
11AC40SISO	Ant2	Low	5755	5650~5700	-38.75	≤-25.90	PASS
				5700~5720	-27.09	≤14.56	PASS
				5720~5725	-25.98	≤18.20	PASS
				5780~5650	-39.03	≤-27	PASS

		High	5795	5850~5855	-32.02	≤16.41	PASS
				5855~5875	-35.01	≤11.45	PASS
				5875~5925	-38.75	≤-26.83	PASS
				5925~5935	-37.54	≤-27	PASS
11AC80S ISO	Ant2	Low	5775	5650~5700	-37.18	≤-25.19	PASS
				5700~5720	-27.26	≤10.88	PASS
				5720~5725	-27.84	≤16.00	PASS
				5800~5650	-37.97	≤-27	PASS
		High	5775	5850~5855	-28.96	≤15.84	PASS
				5855~5875	-26.59	≤11.69	PASS
				5875~5925	-38.65	≤-26.46	PASS
				5925~5935	-38.07	≤-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

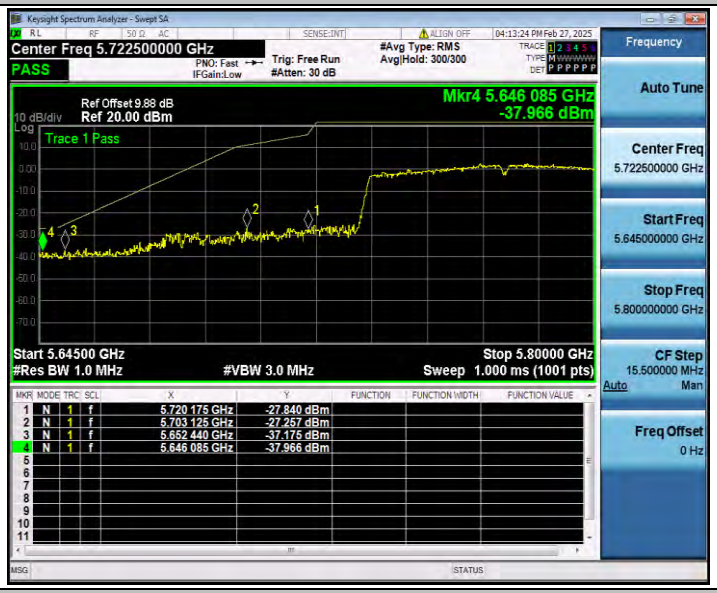
11N40SISO_Ant2_High_5795

11AC20SISO_Ant2_Low_5745

11AC20SISO_Ant2_High_5825

11AC40SISO_Ant2_Low_5755

11AC40SISO_Ant2_High_5795

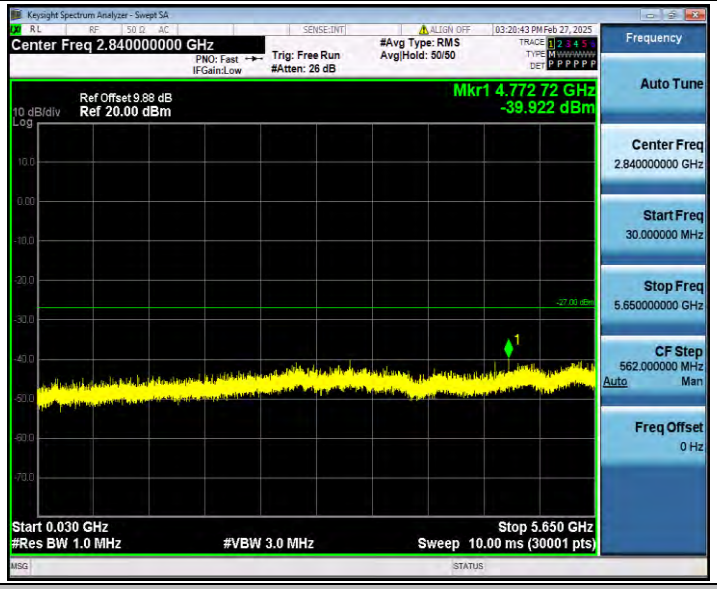
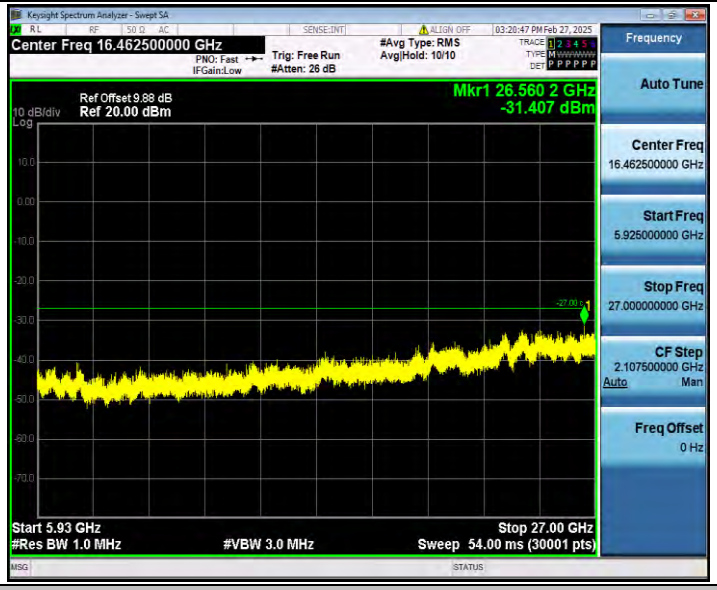
11AC80SISO_Ant2_Low_5775

11AC80SISO_Ant2_High_5775


Appendix E.7: Conducted Spurious Emission

Test Result

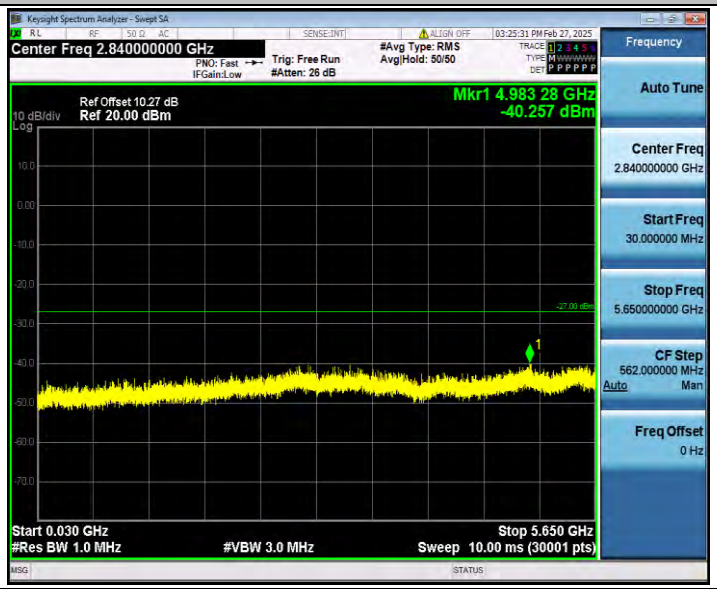
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant2	5745	30~5650	4772.72	-39.92	≤-27	PASS
			5925~27000	26560.24	-31.41	≤-27	PASS
		5785	30~5650	5501.63	-40.4	≤-27	PASS
			5925~27000	24130.29	-31.23	≤-27	PASS
		5825	30~5650	4983.28	-40.26	≤-27	PASS
			5925~27000	26988.06	-32.02	≤-27	PASS
11N20SISO	Ant2	5745	30~5650	2652.29	-40.26	≤-27	PASS
			5925~27000	23538.78	-31.42	≤-27	PASS
		5785	30~5650	5452.55	-40.18	≤-27	PASS
			5925~27000	25156.64	-31.25	≤-27	PASS
		5825	30~5650	5437	-39.75	≤-27	PASS
			5925~27000	25174.2	-31.1	≤-27	PASS
11N40SISO	Ant2	5755	30~5650	3575.47	-40.8	≤-27	PASS
			5925~27000	23543	-32.2	≤-27	PASS
		5795	30~5650	5471.1	-38.73	≤-27	PASS
			5925~27000	23582.34	-31.91	≤-27	PASS
11AC20SISO	Ant2	5745	30~5650	5340.71	-40.11	≤-27	PASS
			5925~27000	24276.41	-31.51	≤-27	PASS
		5785	30~5650	5491.33	-39.85	≤-27	PASS
			5925~27000	24805.39	-31.79	≤-27	PASS
		5825	30~5650	4995.27	-39.47	≤-27	PASS
			5925~27000	26048.11	-31.92	≤-27	PASS
11AC40SISO	Ant2	5755	30~5650	3070.23	-40.3	≤-27	PASS
			5925~27000	24940.97	-31.6	≤-27	PASS
		5795	30~5650	5432.88	-39.63	≤-27	PASS
			5925~27000	26032.66	-31.48	≤-27	PASS
11AC80SISO	Ant2	5775	30~5650	5629.21	-39.65	≤-27	PASS
			5925~27000	25209.33	-31.93	≤-27	PASS

Test Graphs

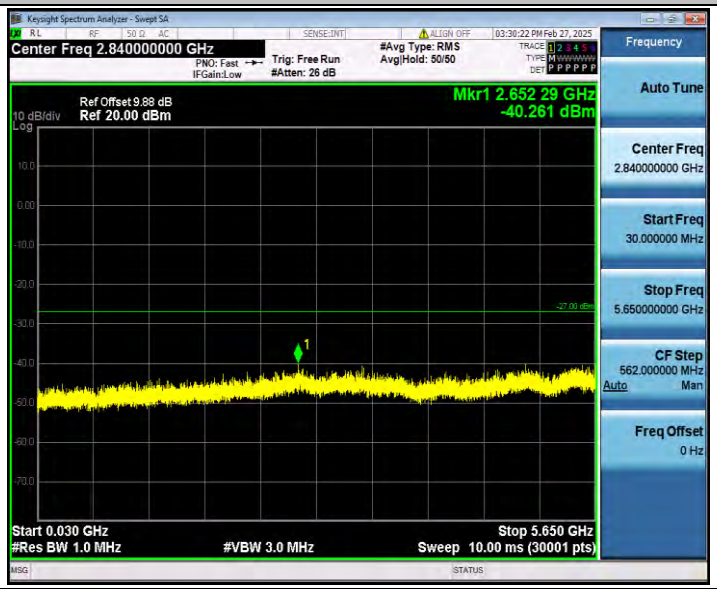
11A_Ant2_5745_30~5650

11A_Ant2_5745_5925~27000

11A_Ant2_5785_30~5650

11A_Ant2_5785_5925~27000

11A_Ant2_5825_30~5650



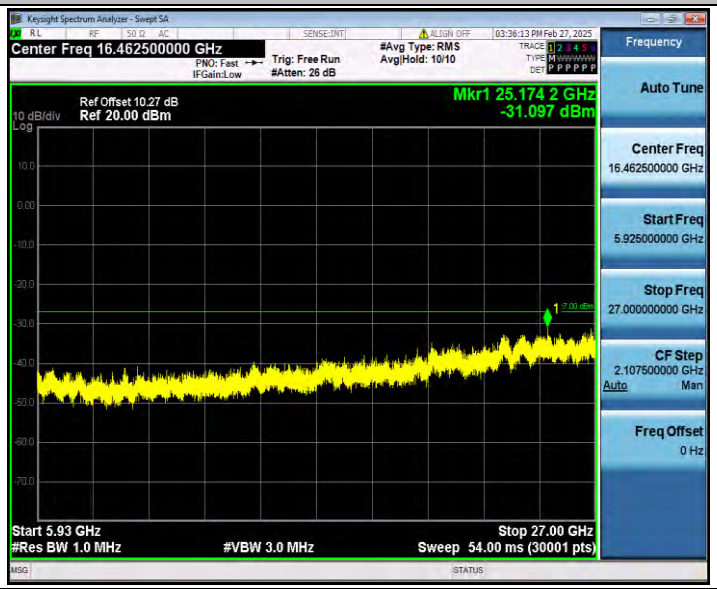
11A_Ant2_5825_5925~27000

11N20SISO_Ant2_5745_30~5650

11N20SISO_Ant2_5745_5925~27000

11N20SISO_Ant2_5785_30~5650

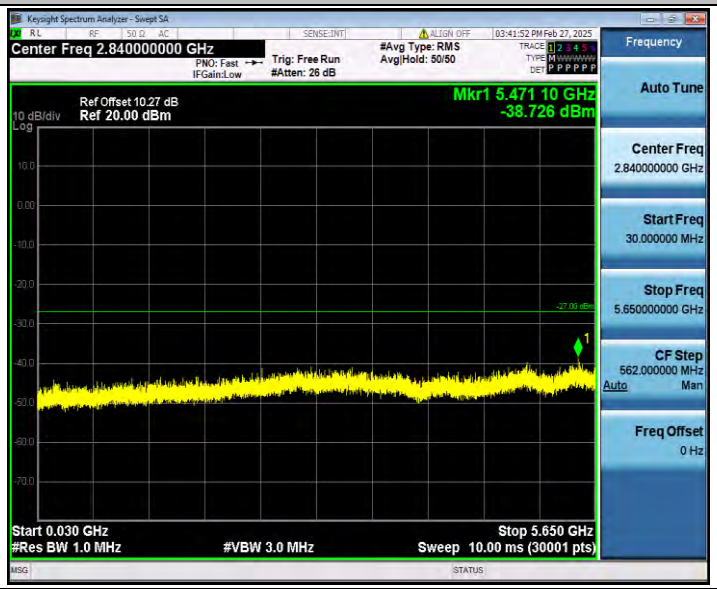
11N20SISO_Ant2_5785_5925~27000

11N20SISO_Ant2_5825_30~5650

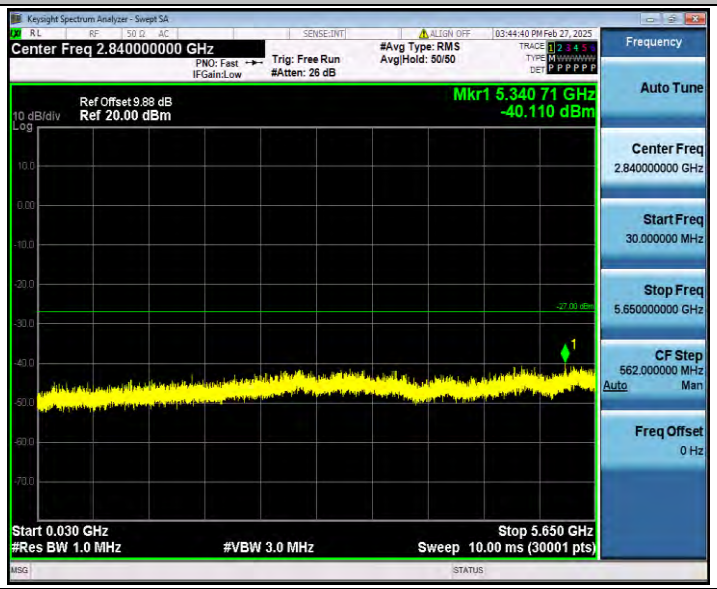
11N20SISO_Ant2_5825_5925~27000

11N40SISO_Ant2_5755_30~5650

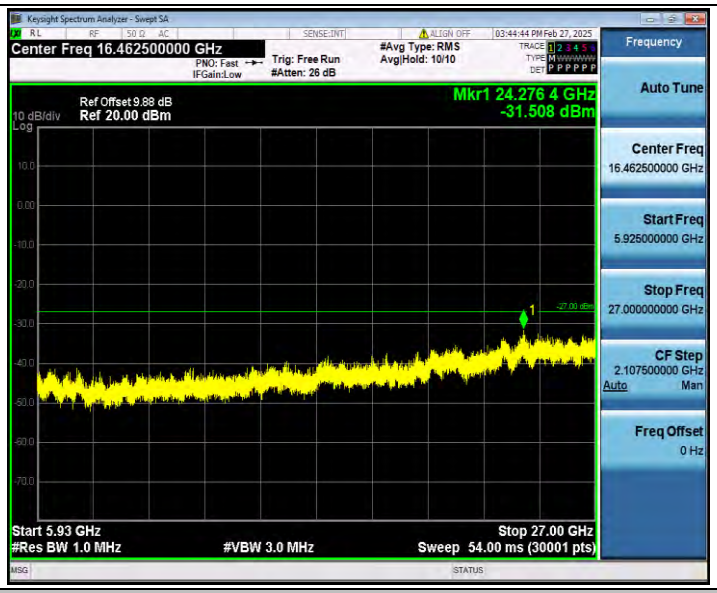
11N40SISO_Ant2_5755_5925~27000

11N40SISO_Ant2_5795_30~5650



11N40SISO_Ant2_5795_5925~27000

11AC20SISO_Ant2_5745_30~5650

11AC20SISO_Ant2_5745_5925~27000



11AC20SISO_Ant2_5785_30~5650

11AC20SISO_Ant2_5785_5925~27000

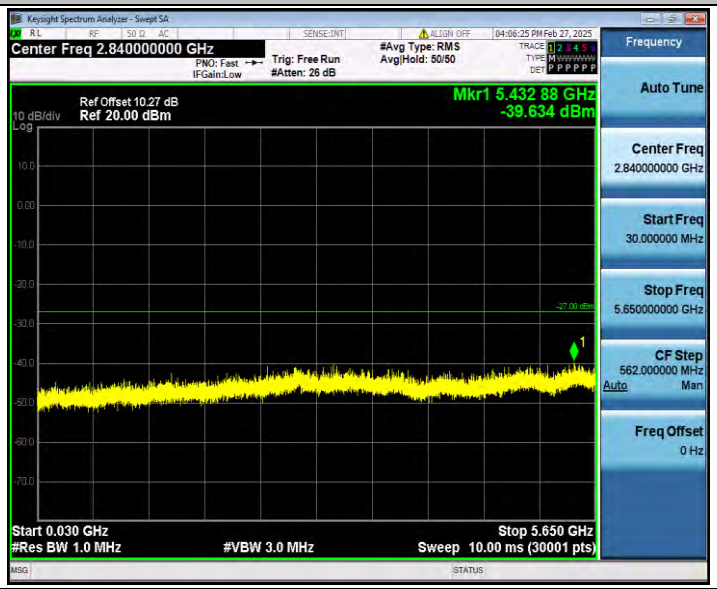
11AC20SISO_Ant2_5825_30~5650

11AC20SISO_Ant2_5825_5925~27000

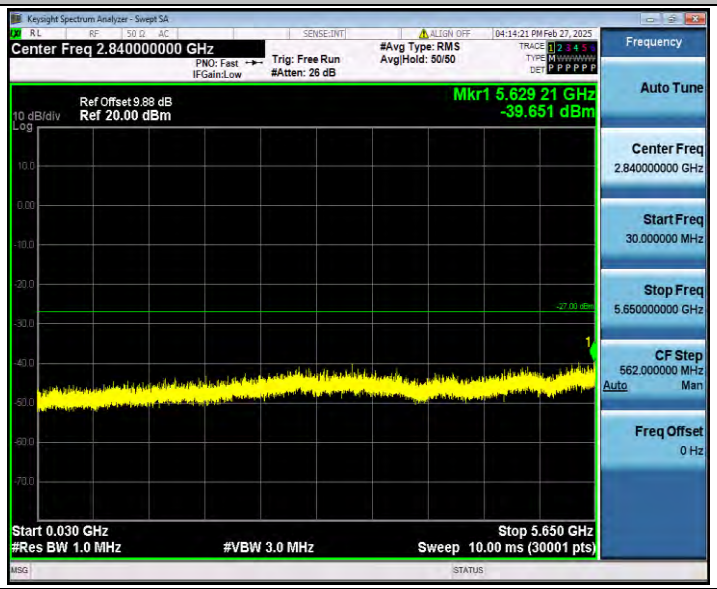
11AC40SISO_Ant2_5755_30~5650

11AC40SISO_Ant2_5755_5925~27000

11AC40SISO_Ant2_5795_30~5650



11AC40SISO_Ant2_5795_5925~27000

11AC80SISO_Ant2_5775_30~5650

11AC80SISO_Ant2_5775_5925~27000


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
04:14:25 PM Feb 27, 2025
Ref Offset 9.88 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 25.209 3 GHz
-31.934 dBm
Start 5.93 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 27.00 GHz
Sweep 54.00 ms (30001 pts)
Frequency
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