Case No. : GTS20220920004-2-13	
Ambient Condition: 25 ℃, 45 %RH, Atmos100.1Kpa,	
Test Date: 2022.12.19	**Test Engineer:** Jenny zeng

Appendix G.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.948	5735.952	5753.900	---	---
		5785	17.897	5776.087	5793.984	---	---
		5825	18.001	5816.065	5834.066	---	---
11N20SISO	Ant1	5745	18.193	5735.875	5754.068	---	---
		5785	18.266	5775.877	5794.143	---	---
		5825	18.251	5815.883	5834.134	---	---
11N40SISO	Ant1	5755	36.973	5736.538	5773.511	---	---
		5795	36.931	5776.574	5813.505	---	---
11AC20SISO	Ant1	5745	18.273	5735.860	5754.133	---	---
		5785	18.210	5775.919	5794.129	---	---
		5825	18.245	5815.915	5834.160	---	---
11AC40SISO	Ant1	5755	37.068	5736.481	5773.549	---	---
		5795	37.009	5776.533	5813.542	---	---
11AC80SISO	Ant1	5775	75.685	5737.253	5812.938	---	---

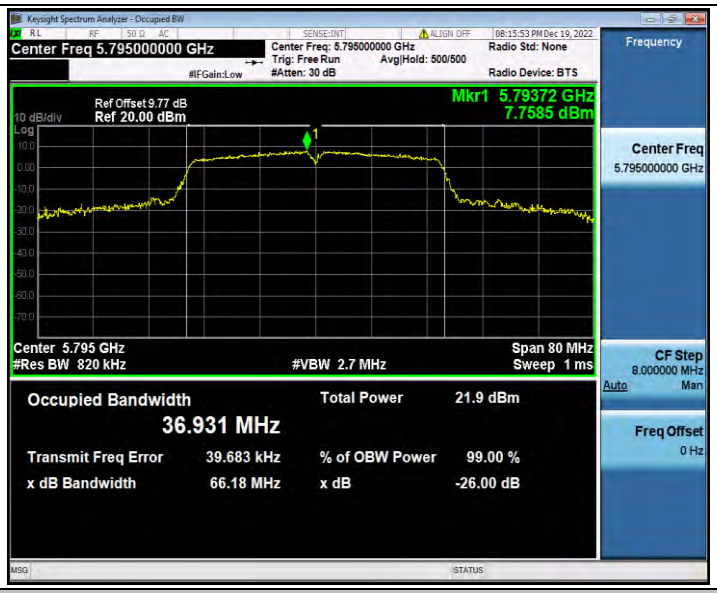
Test Graphs

11A_Ant1_5745
11A_Ant1_5785
11A_Ant1_5825

11N20SISO_Ant1_5745

11N20SISO_Ant1_5785

11N20SISO_Ant1_5825
11N40SISO_Ant1_5755
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745

11AC20SISO_Ant1_5785

11AC20SISO_Ant1_5825
11AC40SISO_Ant1_5755
11AC40SISO_Ant1_5795

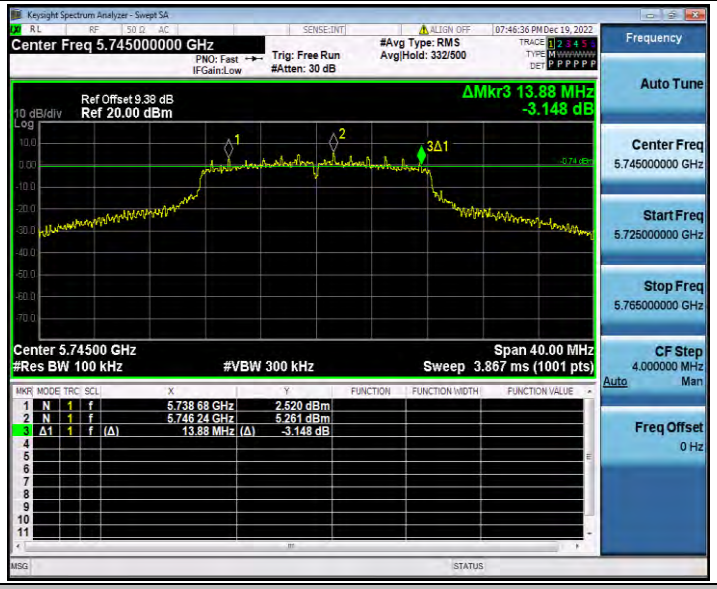
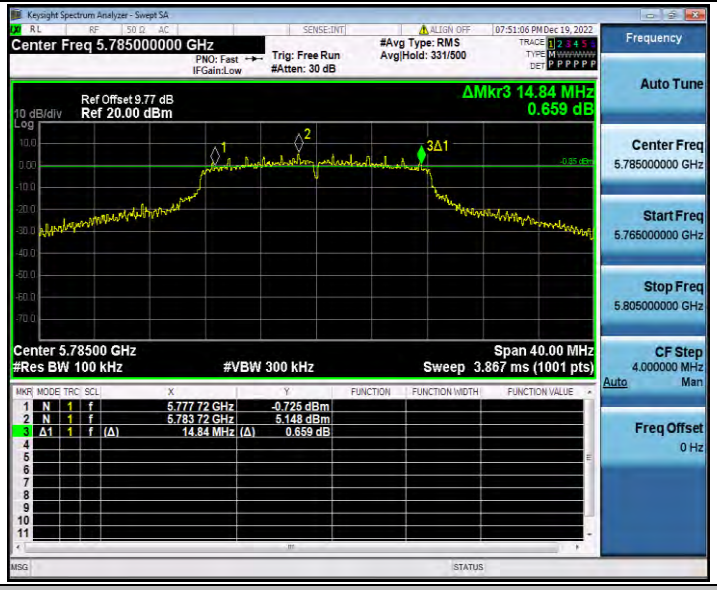
11AC80SISO_Ant1_5775

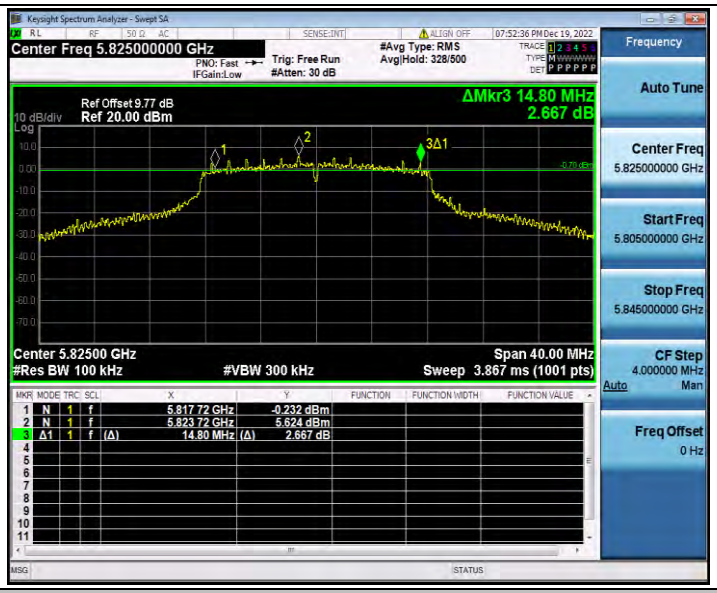
Appendix G.2: Min emission bandwidth

Test Result B4

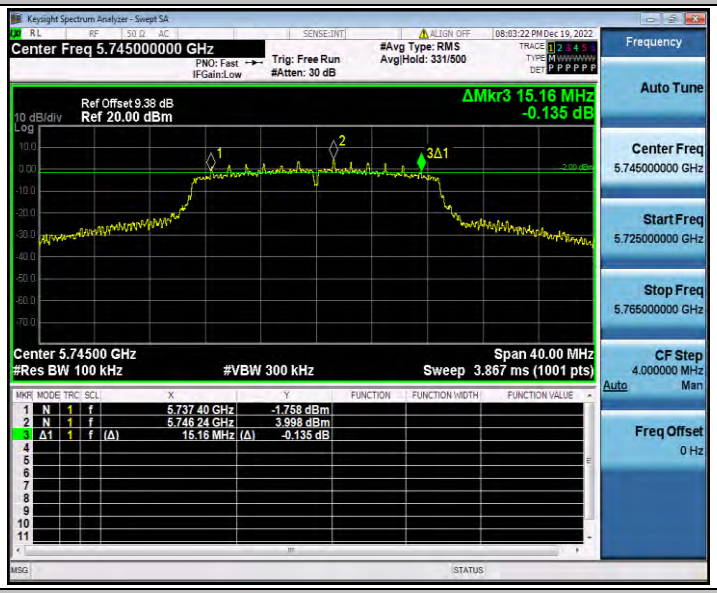
TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	13.880	5738.680	5752.560	0.5	PASS
		5785	14.840	5777.720	5792.560	0.5	PASS
		5825	14.800	5817.720	5832.520	0.5	PASS
11N20SISO	Ant1	5745	15.160	5737.400	5752.560	0.5	PASS
		5785	15.160	5777.400	5792.560	0.5	PASS
		5825	15.440	5817.120	5832.560	0.5	PASS
11N40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.120	5777.400	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	15.160	5737.400	5752.560	0.5	PASS
		5785	15.160	5777.400	5792.560	0.5	PASS
		5825	15.120	5817.440	5832.560	0.5	PASS
11AC40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.120	5777.400	5812.520	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

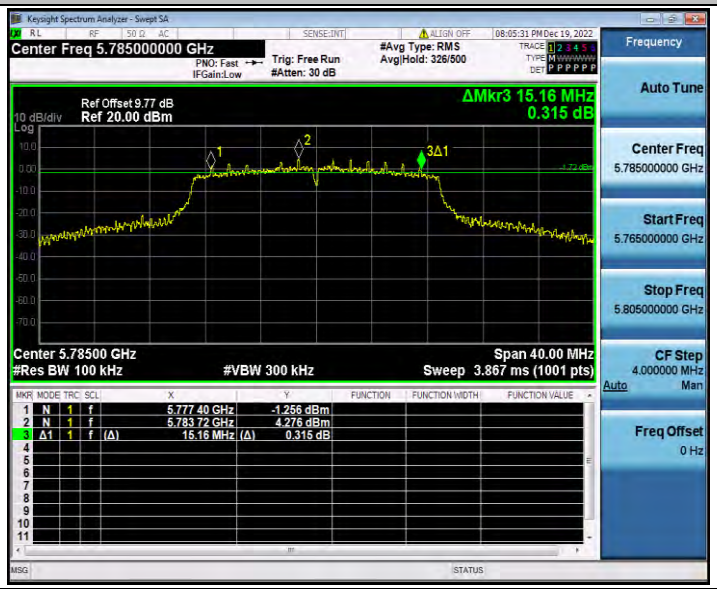
11A_Ant1_5745

11A_Ant1_5785

11A_Ant1_5825

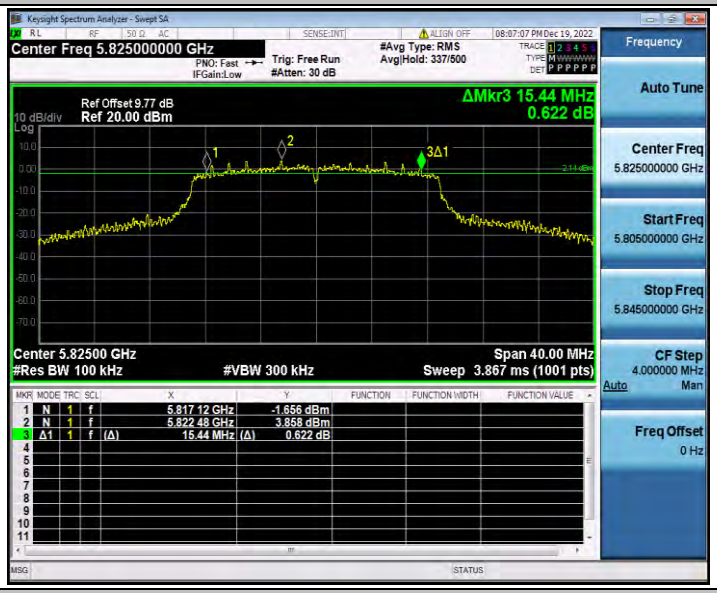
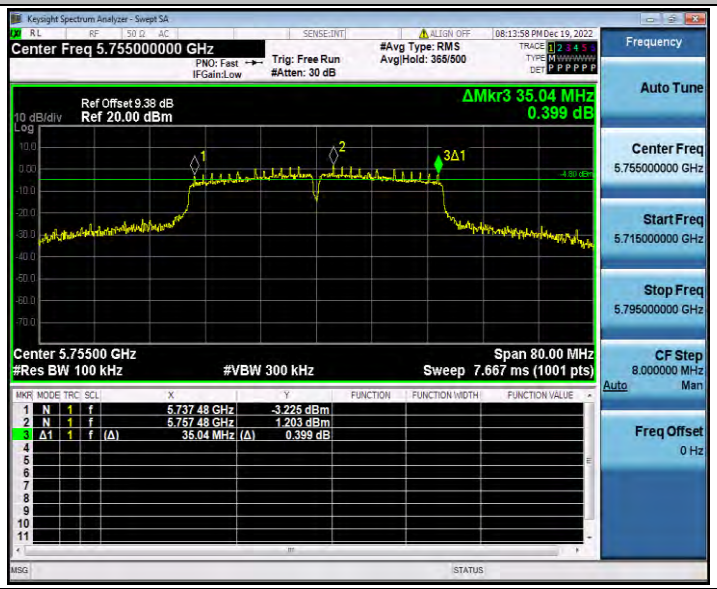


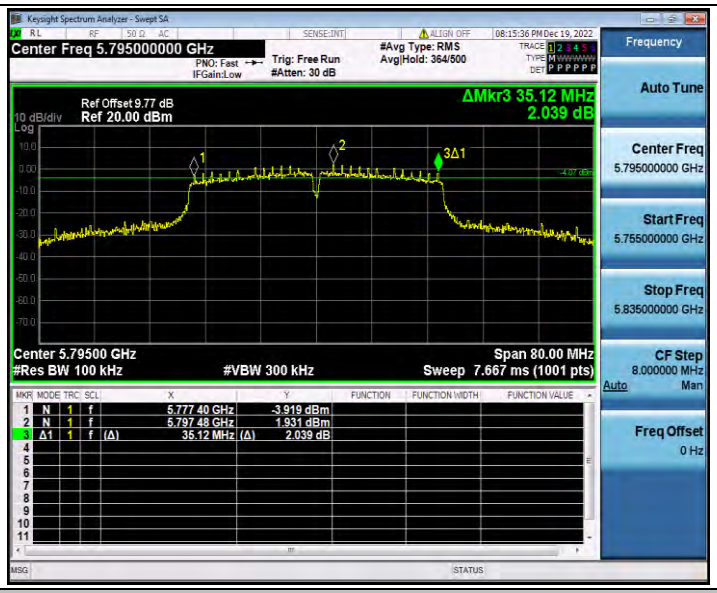
11N20SISO_Ant1_5745



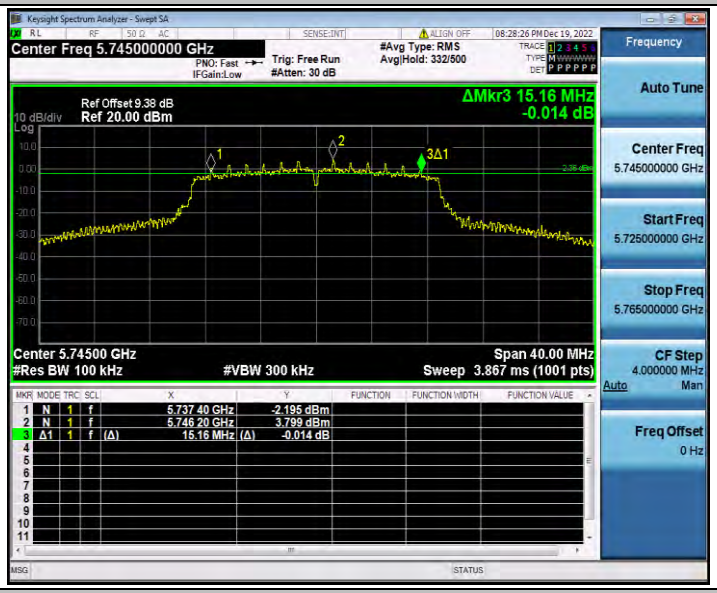
11N20SISO_Ant1_5785



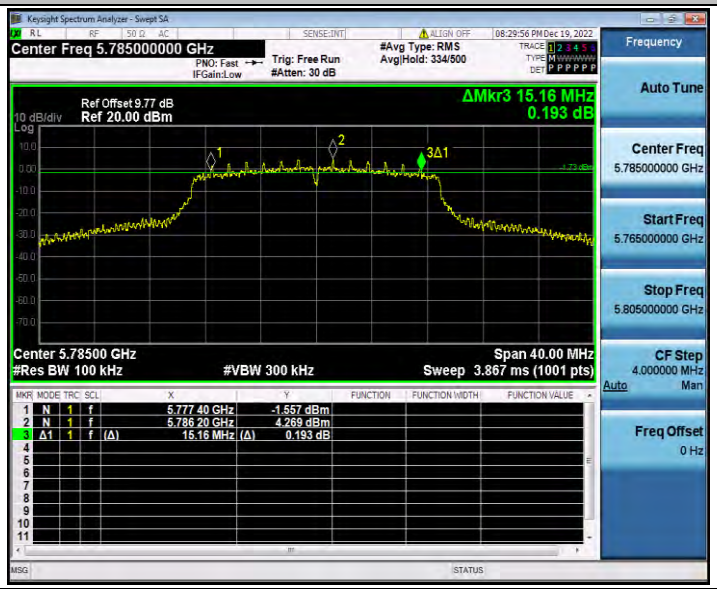
11N20SISO_Ant1_5825

11N40SISO_Ant1_5755

11N40SISO_Ant1_5795

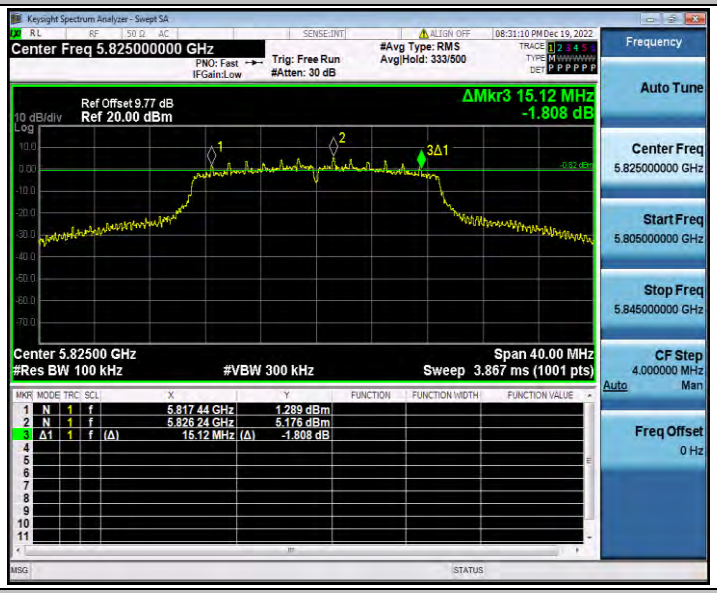
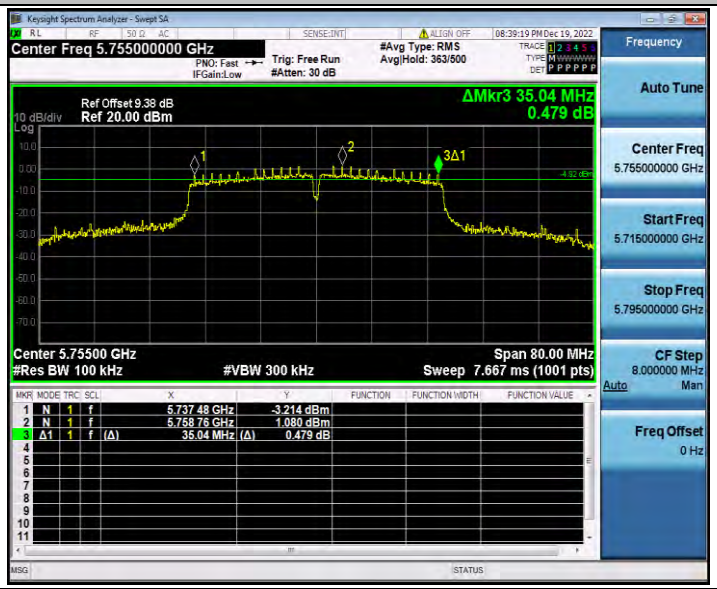


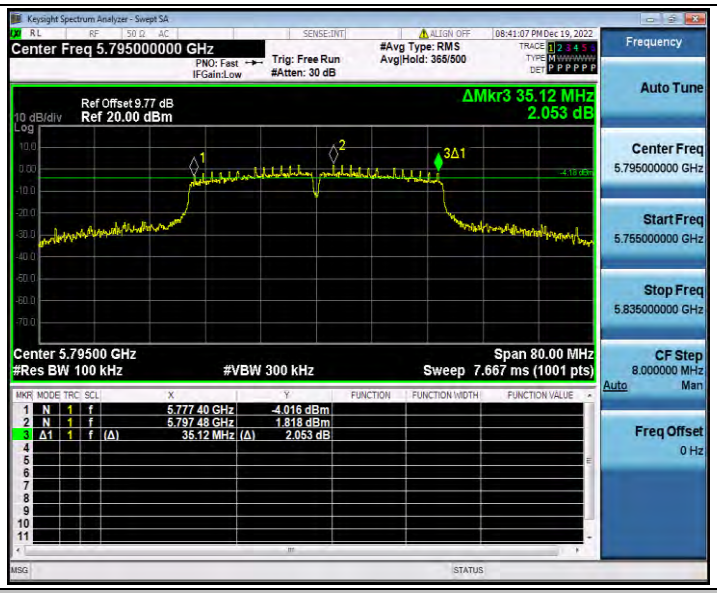
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825

11AC40SISO_Ant1_5755

11AC40SISO_Ant1_5795



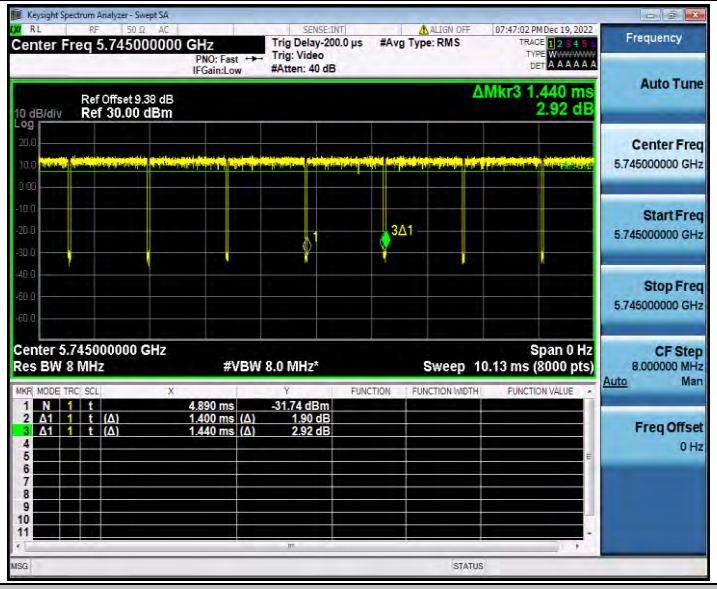
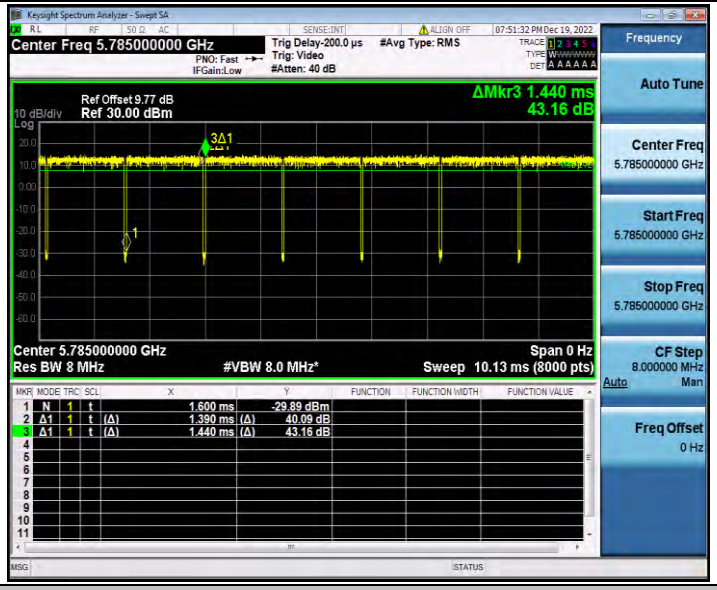
11AC80SISO_Ant1_5775

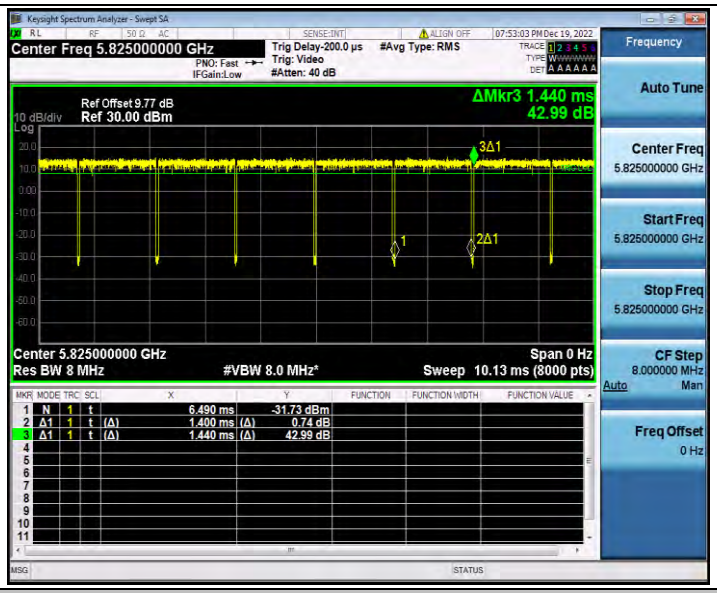
Appendix G.3: Duty Cycle

Test Result

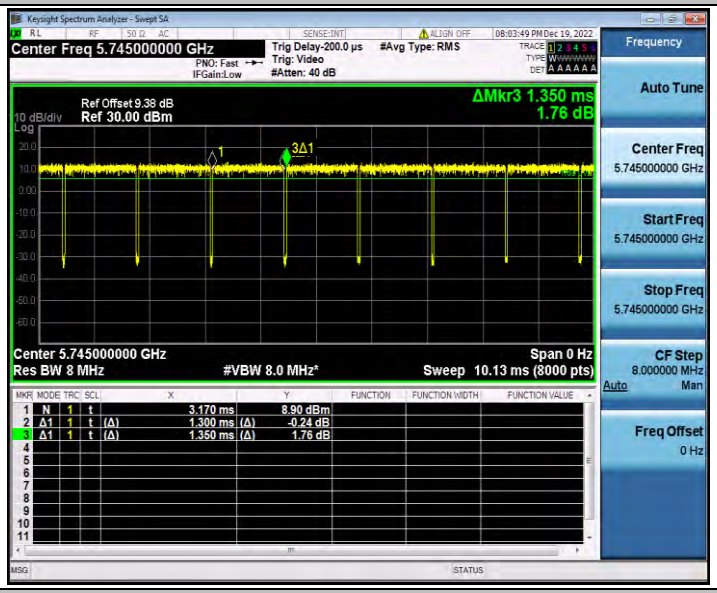
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	1.40	1.44	97.22
		5785	1.39	1.44	96.53
		5825	1.40	1.44	97.22
11N20SISO	Ant1	5745	1.30	1.35	96.30
		5785	1.30	1.35	96.30
		5825	1.30	1.35	96.30
11N40SISO	Ant1	5755	0.65	0.69	94.20
		5795	0.64	0.69	92.75
11AC20SISO	Ant1	5745	0.68	0.72	94.44
		5785	0.68	0.72	94.44
		5825	0.68	0.73	93.15
11AC40SISO	Ant1	5755	0.35	0.39	89.74
		5795	0.35	0.40	87.50
11AC80SISO	Ant1	5775	0.19	0.24	79.17

Test Graphs

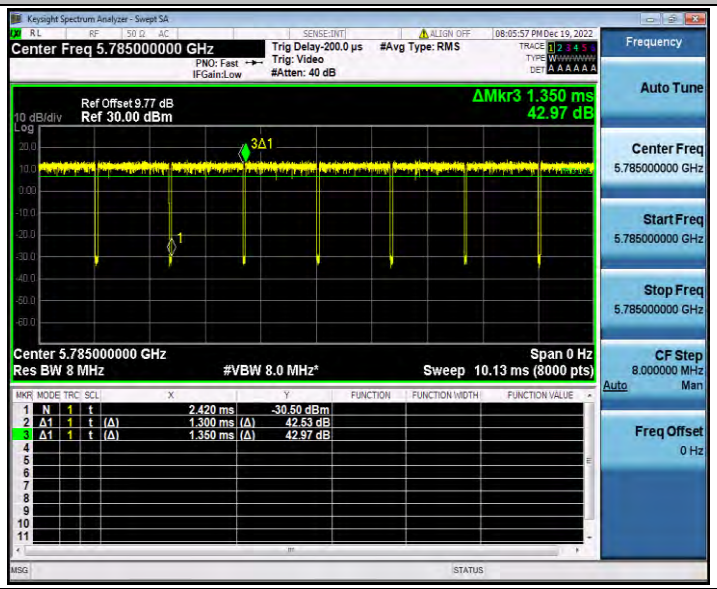
11A_Ant1_5745

11A_Ant1_5785

11A_Ant1_5825



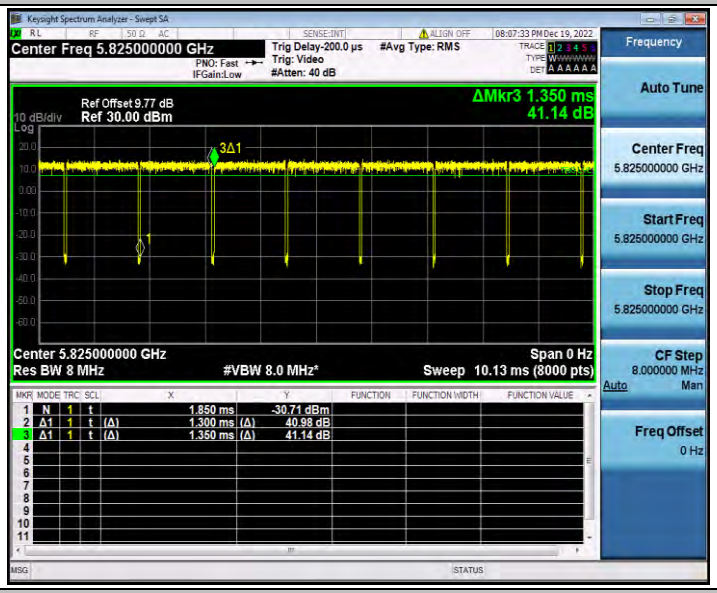
11N20SISO_Ant1_5745



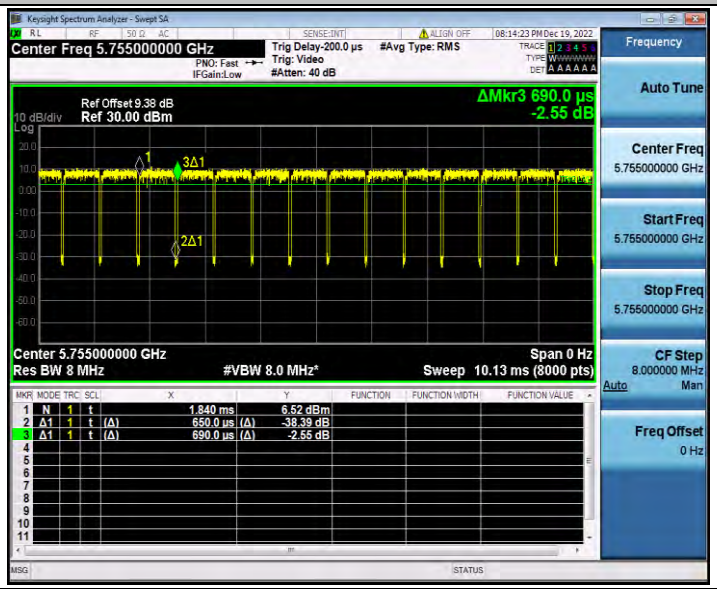
11N20SISO_Ant1_5785



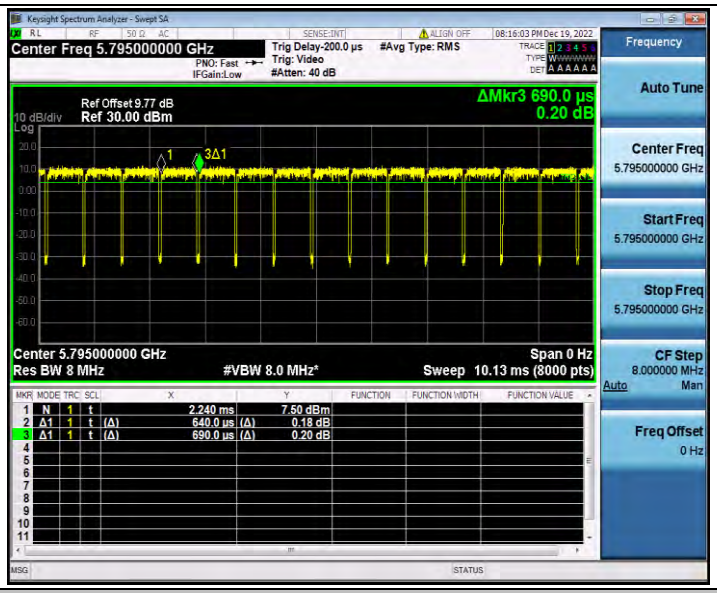
11N20SISO_Ant1_5825



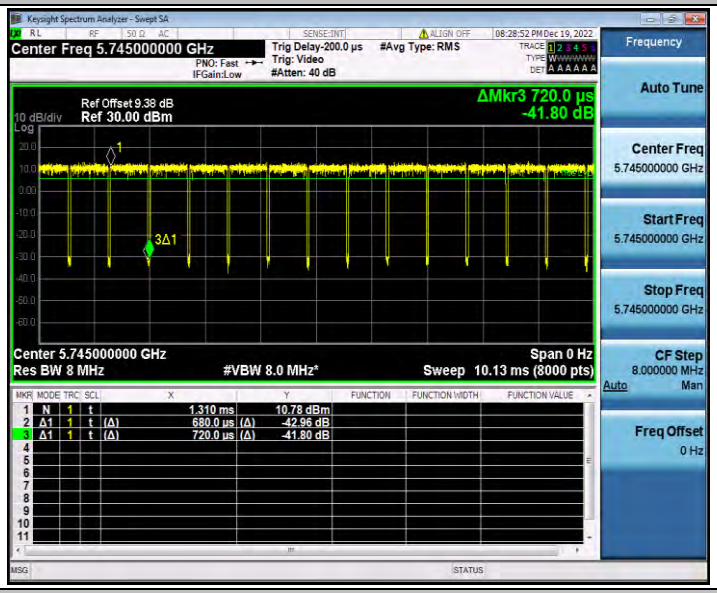
11N40SISO_Ant1_5755



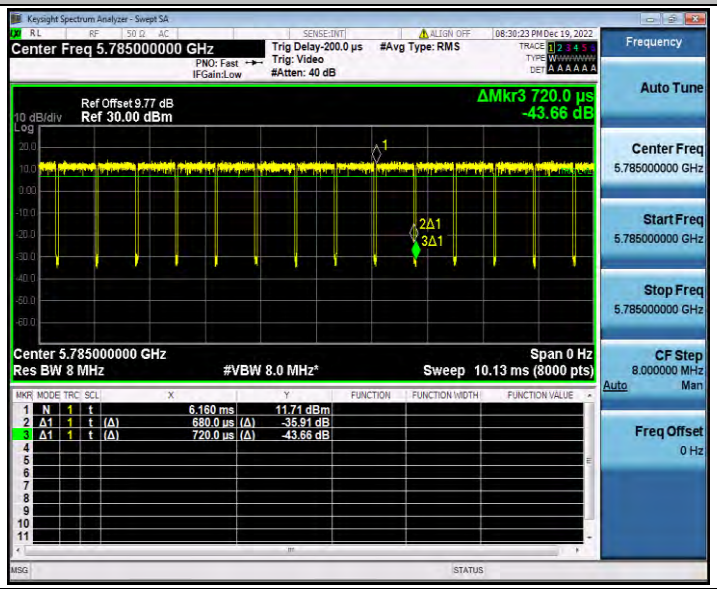
11N40SISO_Ant1_5795

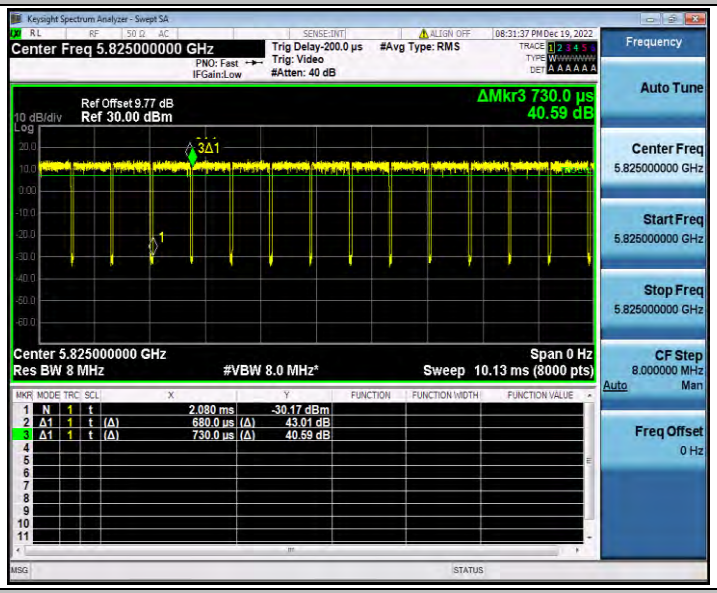
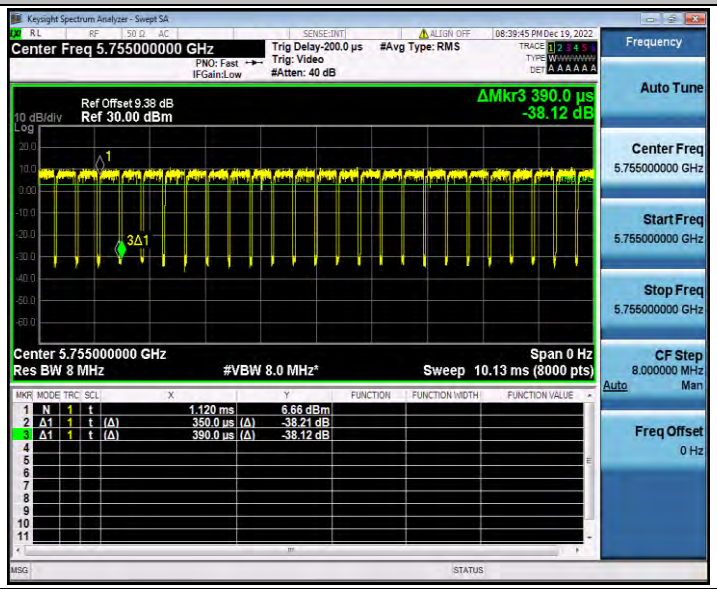


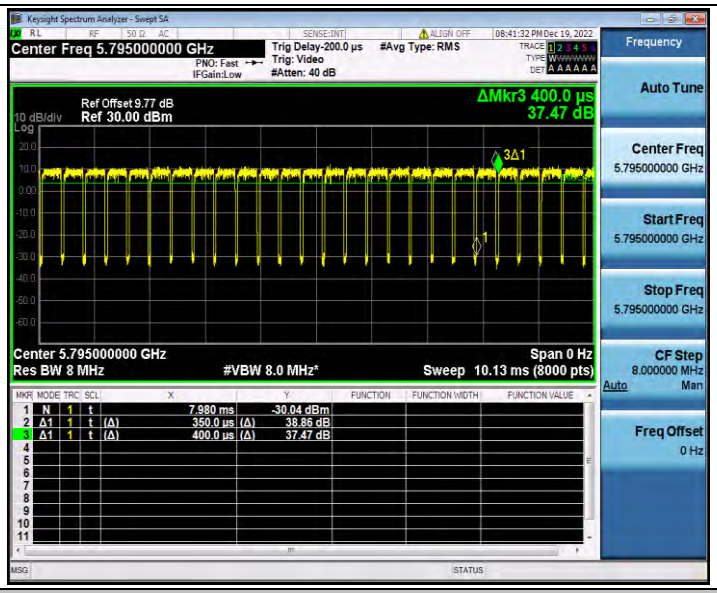
11AC20SISO_Ant1_5745



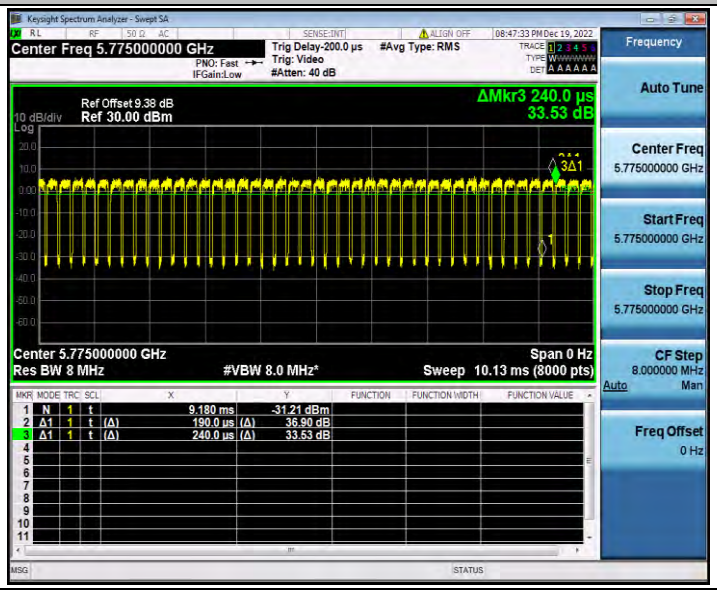
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825

11AC40SISO_Ant1_5755

11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix G.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	15.13	97.22	0.12	15.25	≤30.00	PASS
		5785	14.99	96.53	0.15	15.14	≤30.00	PASS
		5825	15.33	97.22	0.12	15.45	≤30.00	PASS
11N20SISO	Ant1	5745	13.25	96.30	0.16	13.41	≤30.00	PASS
		5785	14.09	96.30	0.16	14.25	≤30.00	PASS
		5825	14.41	96.30	0.16	14.57	≤30.00	PASS
11N40SISO	Ant1	5755	13.37	94.20	0.26	13.63	≤30.00	PASS
		5795	14.18	92.75	0.33	14.51	≤30.00	PASS
11AC20SISO	Ant1	5745	13.24	94.44	0.25	13.49	≤30.00	PASS
		5785	15.04	94.44	0.25	15.29	≤30.00	PASS
		5825	15.01	93.15	0.31	15.32	≤30.00	PASS
11AC40SISO	Ant1	5755	13.16	89.74	0.47	13.63	≤30.00	PASS
		5795	13.82	87.50	0.58	14.40	≤30.00	PASS
11AC80SISO	Ant1	5775	13.99	79.17	1.01	15.00	≤30.00	PASS

Note：The Duty Cycle Factor is compensated in the graph.

Appendix A.6: Maximum power spectral density

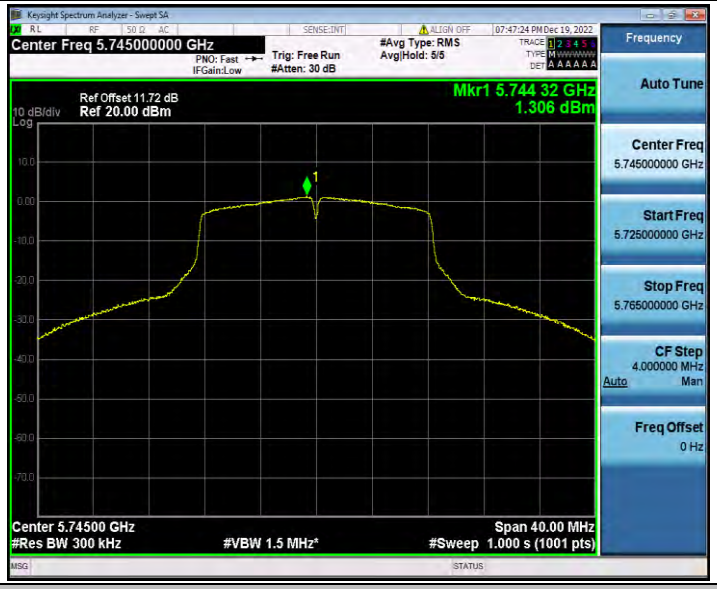
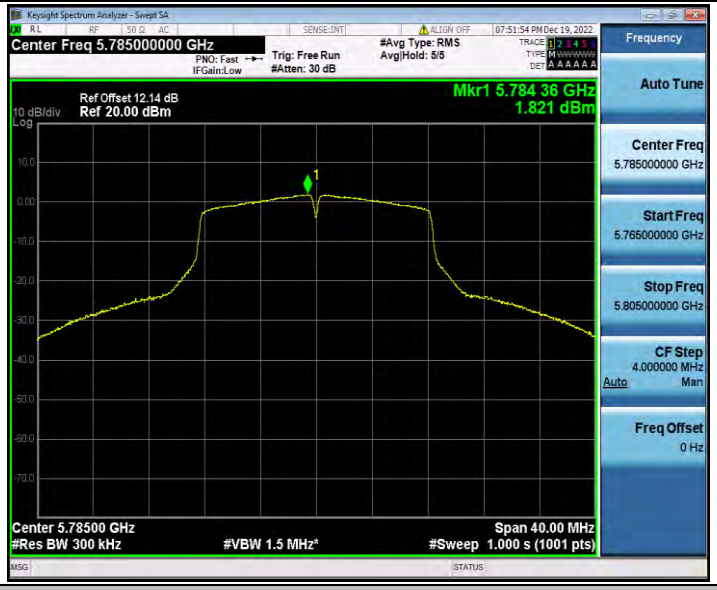
Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	1.31	≤30.00	PASS
		5785	1.82	≤30.00	PASS
		5825	1.99	≤30.00	PASS
11N20SISO	Ant1	5745	-0.16	≤30.00	PASS
		5785	0.77	≤30.00	PASS
		5825	0.93	≤30.00	PASS
11N40SISO	Ant1	5755	-2.72	≤30.00	PASS
		5795	-2	≤30.00	PASS
11AC20SISO	Ant1	5745	-0.15	≤30.00	PASS
		5785	0.62	≤30.00	PASS
		5825	0.94	≤30.00	PASS
11AC40SISO	Ant1	5755	-2.64	≤30.00	PASS
		5795	-1.92	≤30.00	PASS
11AC80SISO	Ant1	5775	-6.5	≤30.00	PASS

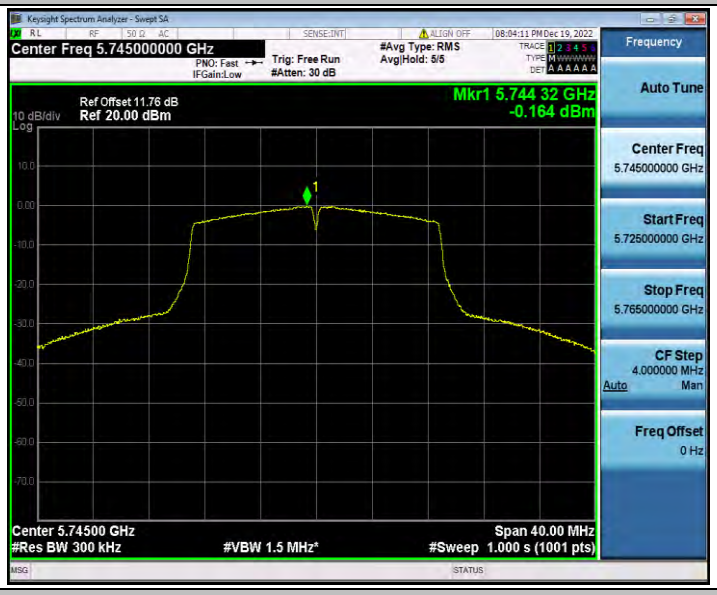
Note：1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

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

Test Graphs

11A_Ant1_5745

11A_Ant1_5785

11A_Ant1_5825

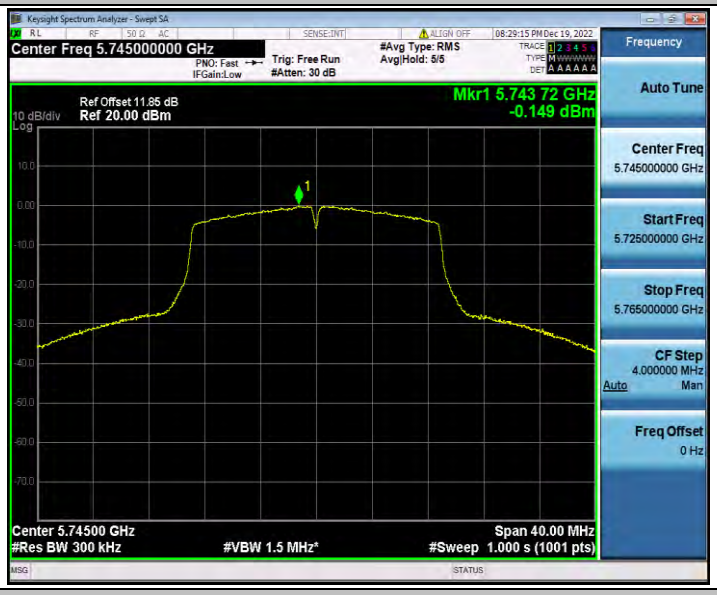
11N20SISO_Ant1_5745



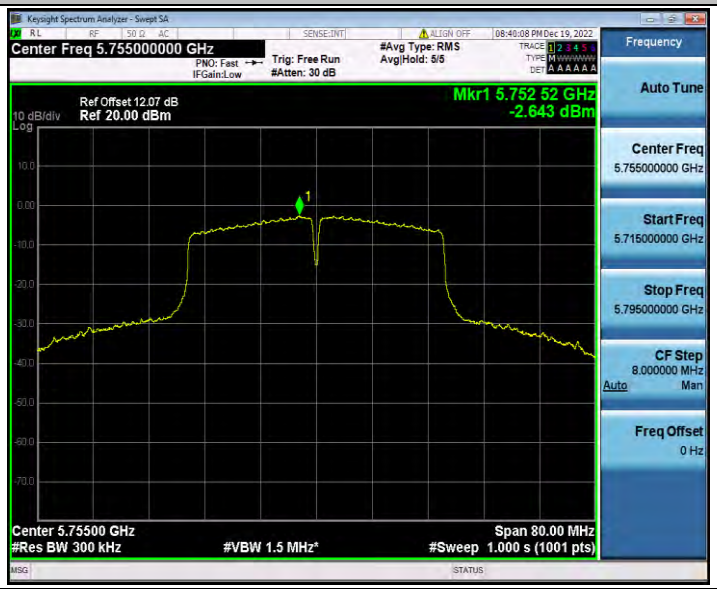
11N20SISO_Ant1_5785

11N20SISO_Ant1_5825
11N40SISO_Ant1_5755
11N40SISO_Ant1_5795

11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785

11AC20SISO_Ant1_5825
11AC40SISO_Ant1_5755

11AC40SISO_Ant1_5795

11AC80SISO_Ant1_5775

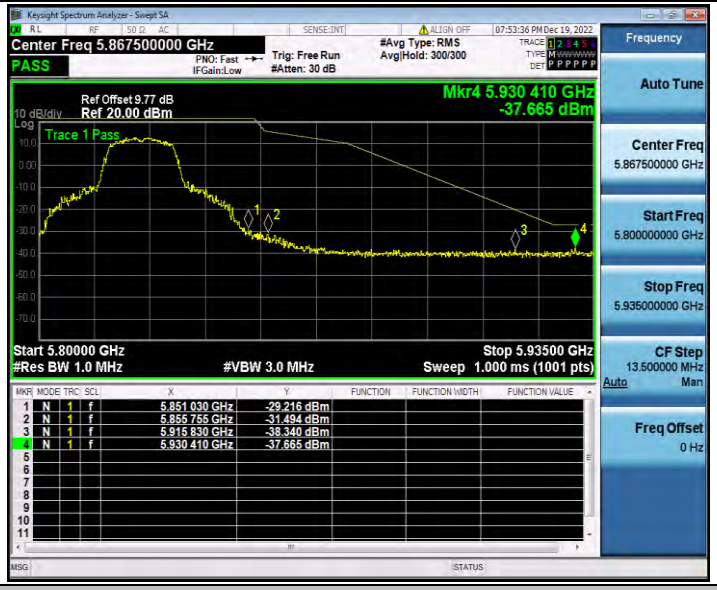
Appendix G.6: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-37.61	≤-24.49	PASS
				5700~5720	-31	≤15.50	PASS
				5720~5725	-16.5	≤26.30	PASS
				5760~5650	-39.84	≤-27	PASS
		High	5825	5850~5855	-29.22	≤17.95	PASS
				5855~5875	-31.49	≤10.21	PASS
				5875~5925	-38.34	≤3.21	PASS
				5925~5935	-37.67	≤-27	PASS
11N20SISO	Ant1	Low	5745	5650~5700	-37.81	≤6.66	PASS
				5700~5720	-30.07	≤15.59	PASS
				5720~5725	-19.18	≤25.26	PASS
				5760~5650	-40.02	≤-27	PASS
		High	5825	5850~5855	-27.8	≤15.79	PASS
				5855~5875	-33.89	≤10.25	PASS
				5875~5925	-38.18	≤-26.26	PASS
				5925~5935	-37.75	≤-27	PASS
11N40SISO	Ant1	Low	5755	5650~5700	-34.29	≤9.26	PASS
				5700~5720	-16.96	≤15.58	PASS
				5720~5725	-17.61	≤19.74	PASS
				5780~5650	-39.48	≤-27	PASS
		High	5795	5850~5855	-33.21	≤18.29	PASS
				5855~5875	-34.32	≤11.93	PASS
				5875~5925	-38.25	≤-24.36	PASS
				5925~5935	-39.25	≤-27	PASS
11AC20SISO	Ant1	Low	5745	5650~5700	-38.77	≤-24.74	PASS
				5700~5720	-30.32	≤15.59	PASS
				5720~5725	-18.89	≤25.52	PASS
				5760~5650	-39.94	≤-27	PASS
		High	5825	5850~5855	-29.54	≤16.72	PASS
				5855~5875	-32.19	≤10.06	PASS
				5875~5925	-37.66	≤-22.56	PASS
				5925~5935	-38.82	≤-27	PASS
11AC40SISO	Ant1	Low	5755	5650~5700	-33.84	≤9.96	PASS
				5700~5720	-17.55	≤15.13	PASS
				5720~5725	-16.95	≤20.97	PASS

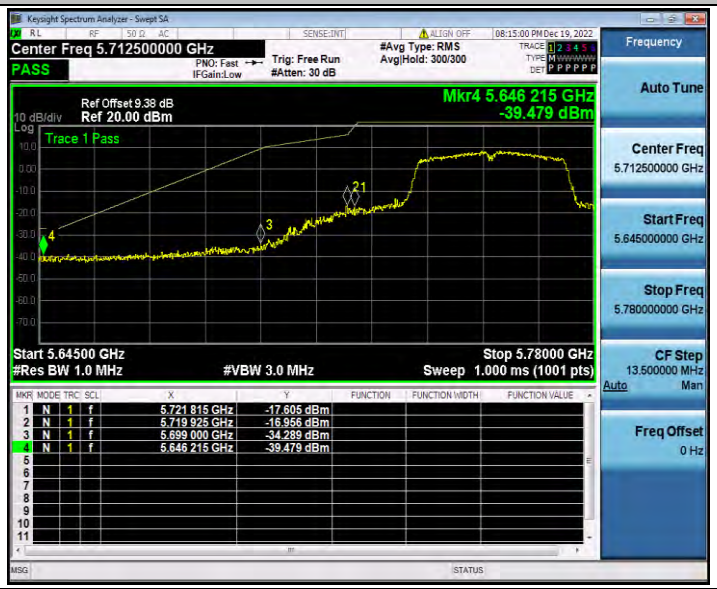
				5780~5650	-39.63	≤-27	PASS
		High	5795	5850~5855	-34.22	≤18.29	PASS
				5855~5875	-35.06	≤11.29	PASS
				5875~5925	-37.96	≤-22.53	PASS
				5925~5935	-38.73	≤-27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-24.55	≤-2.03	PASS
				5700~5720	-23.24	≤12.18	PASS
				5720~5725	-20.13	≤24.13	PASS
				5800~5650	-37.62	≤-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

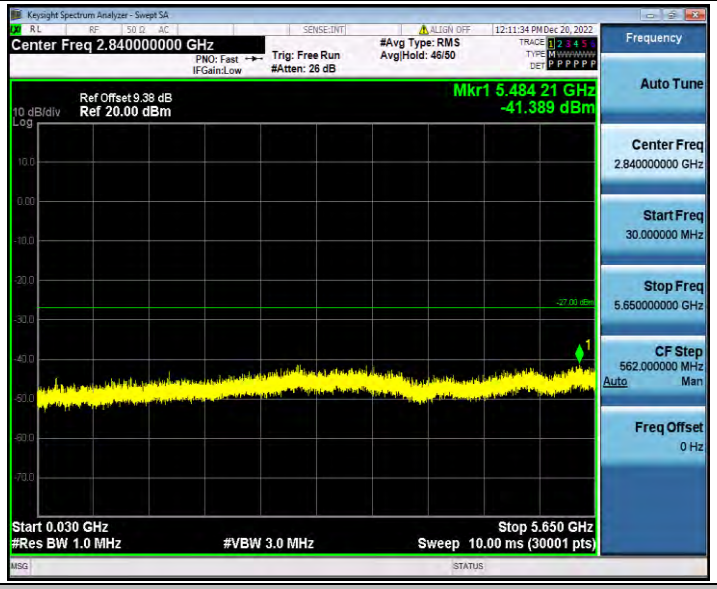
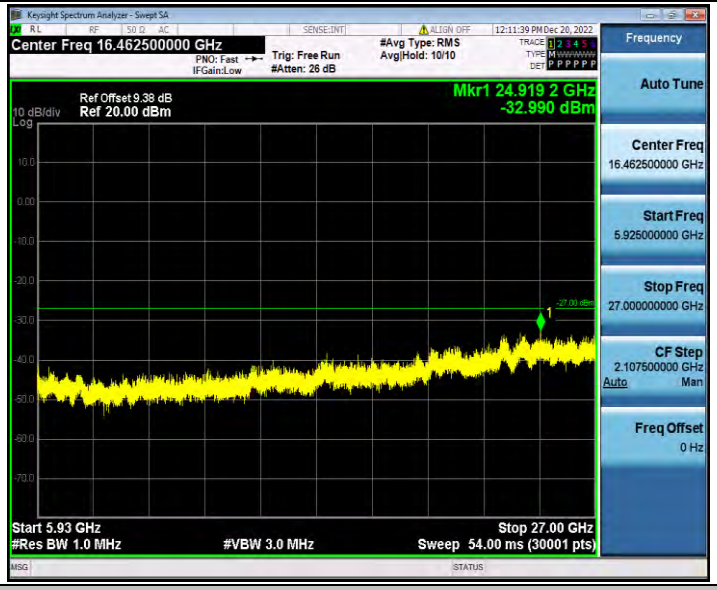
11AC80SISO_Ant1_Low_5775

Appendix G.7: Conducted Spurious Emission

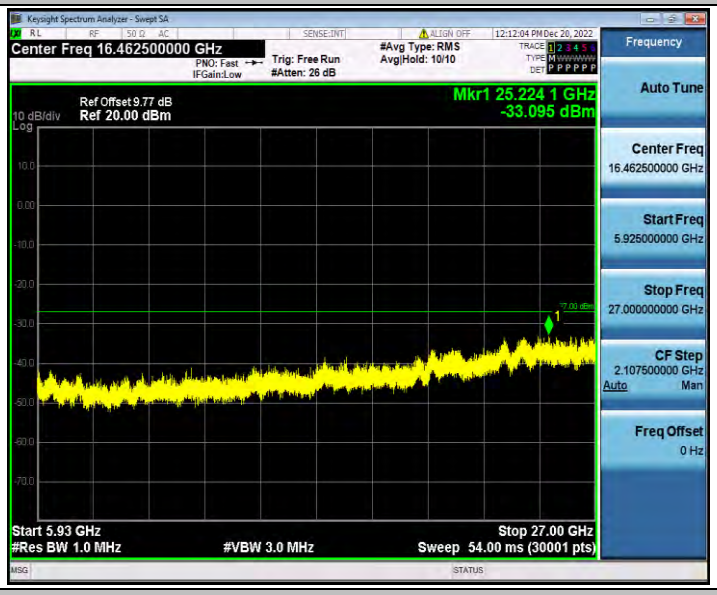
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5484.21	-41.39	≤-27	PASS
			5925~40000	24919.2	-32.99	≤-27	PASS
		5785	30~5650	5555.77	-40.2	≤-27	PASS
			5925~40000	25224.08	-33.1	≤-27	PASS
		5825	30~5650	5552.02	-40.96	≤-27	PASS
			5925~40000	26630.49	-32.34	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	3282.67	-41.38	≤-27	PASS
			5925~40000	26945.91	-32.51	≤-27	PASS
		5785	30~5650	5366.19	-41.09	≤-27	PASS
			5925~40000	26672.64	-32.8	≤-27	PASS
		5825	30~5650	5448.24	-40.53	≤-27	PASS
			5925~40000	26631.89	-32.52	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5515.31	-41.32	≤-27	PASS
			5925~40000	24290.46	-33.17	≤-27	PASS
		5795	30~5650	3117.25	-40.48	≤-27	PASS
			5925~40000	25037.92	-32.31	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	4929.52	-41.18	≤-27	PASS
			5925~40000	24337.53	-32.59	≤-27	PASS
		5785	30~5650	5411.9	-40.3	≤-27	PASS
			5925~40000	23528.95	-32.87	≤-27	PASS
		5825	30~5650	3046.63	-40.78	≤-27	PASS
			5925~40000	24959.24	-32.74	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5334.16	-41.37	≤-27	PASS
			5925~40000	24290.46	-32.35	≤-27	PASS
		5795	30~5650	5043.6	-41.15	≤-27	PASS
			5925~40000	26724.62	-32.93	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5649.44	-34.95	≤-27	PASS
			5925~40000	26461.18	-33.11	≤-27	PASS

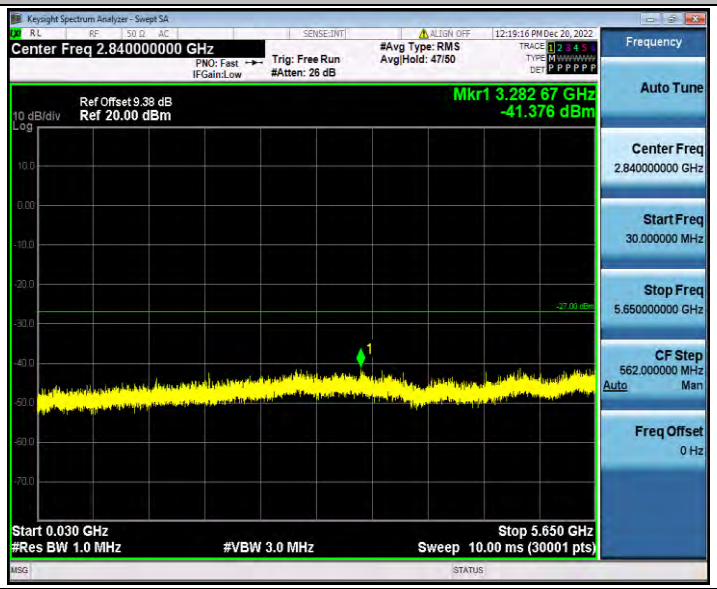
Test Graphs

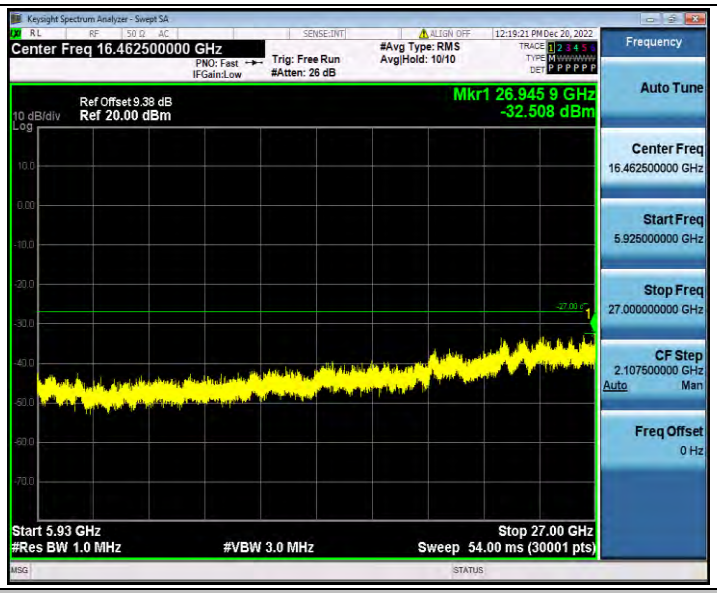
11A_Ant1_5745_30~5650

11A_Ant1_5745_5925~40000

11A_Ant1_5785_30~5650

11A_Ant1_5785_5925~40000



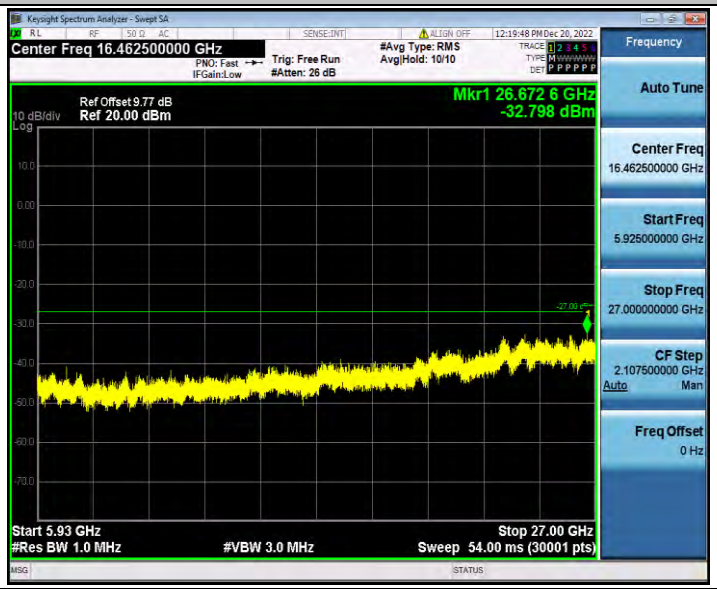
11A_Ant1_5825_30~5650

11A_Ant1_5825_5925~40000
11N20SISO_Ant1_5745_30~5650

11N20SISO_Ant1_5745_5925~40000

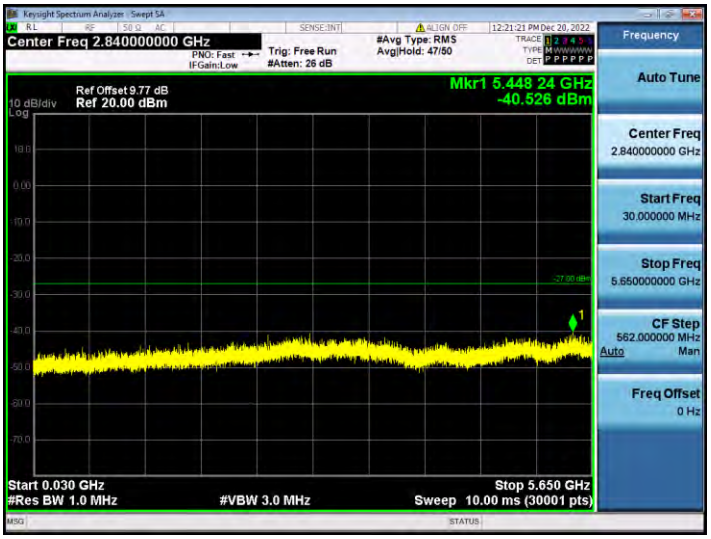


11N20SISO_Ant1_5785_30~5650

11N20SISO_Ant1_5785_5925~40000

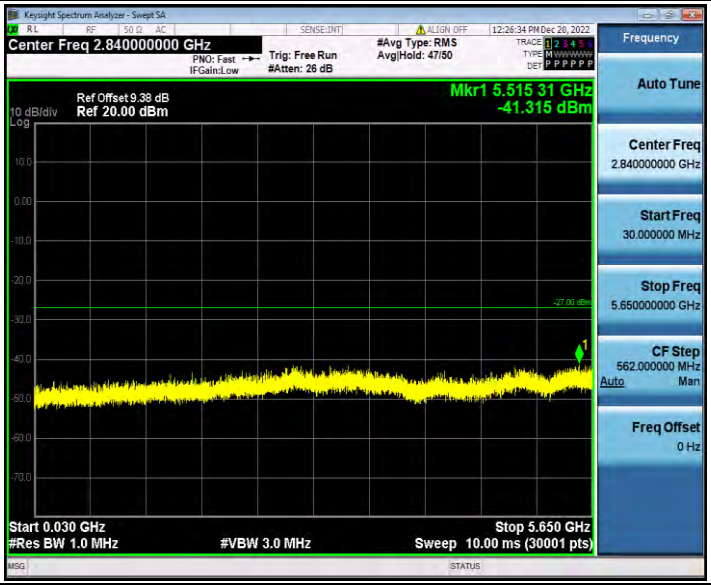


11N20SISO_Ant1_5825_30~5650

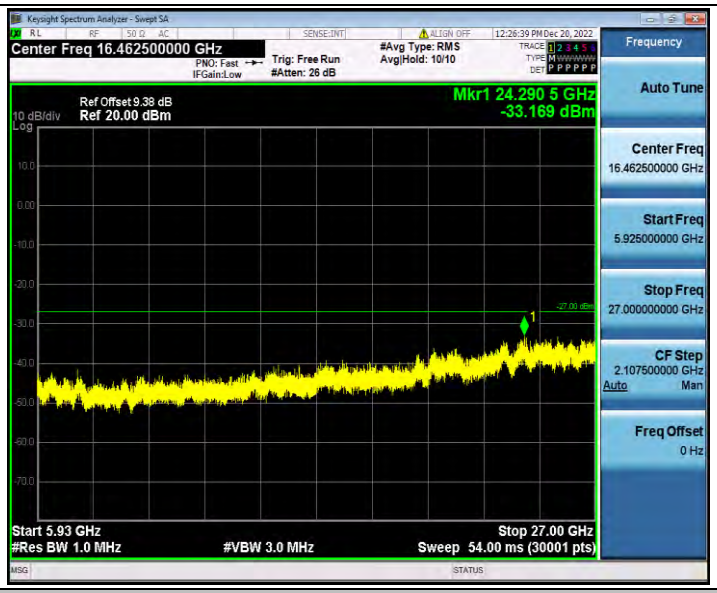


11N20SISO_Ant1_5825_5925~40000

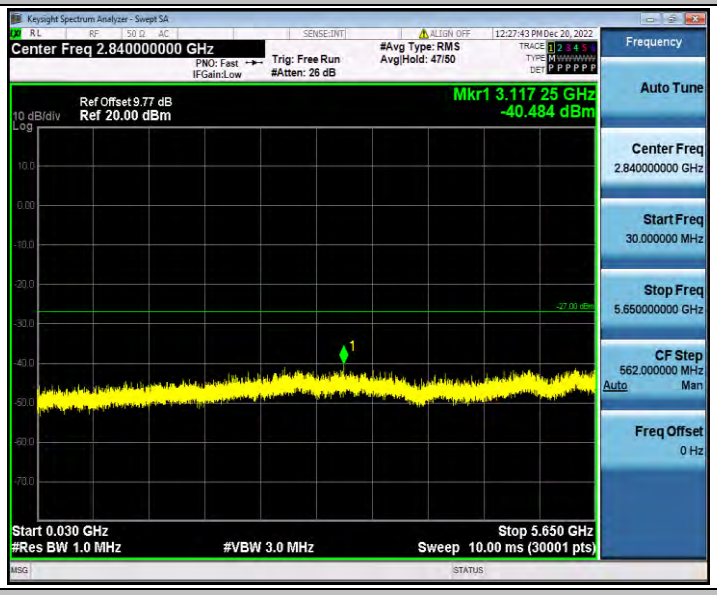
11N40SISO_Ant1_5755_30~5650



11N40SISO_Ant1_5755_5925~40000



11N40SISO_Ant1_5795_30~5650



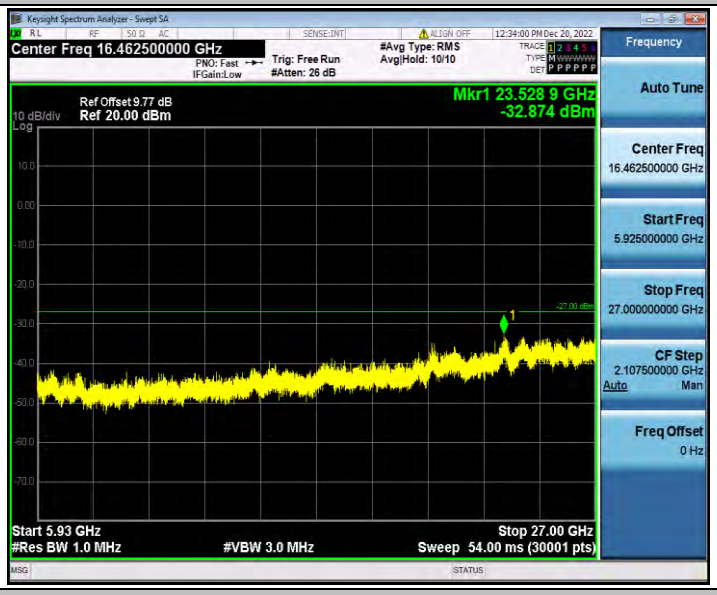
11N40SISO_Ant1_5795_5925~40000

11AC20SISO_Ant1_5745_30~5650

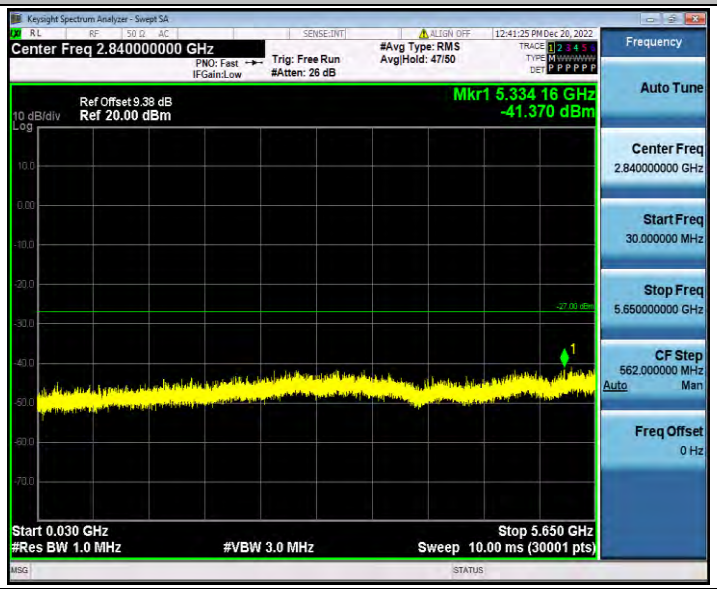
11AC20SISO_Ant1_5745_5925~40000

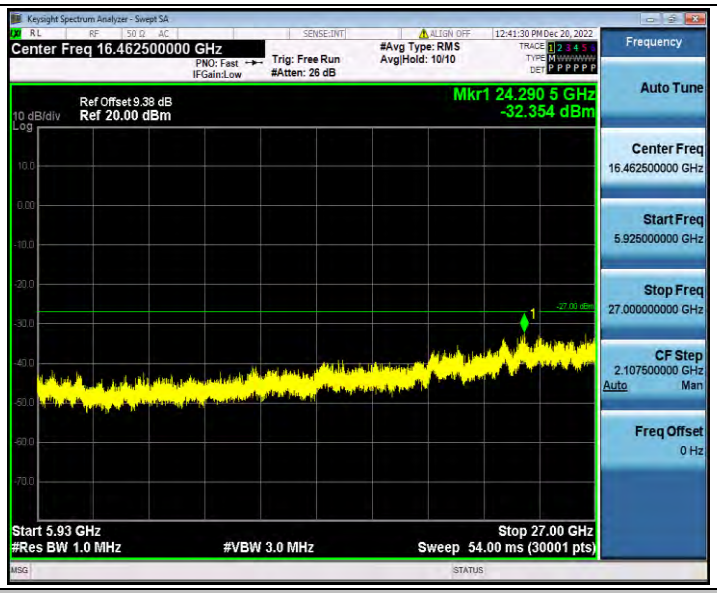
11AC20SISO_Ant1_5785_30~5650

11AC20SISO_Ant1_5785_5925~40000



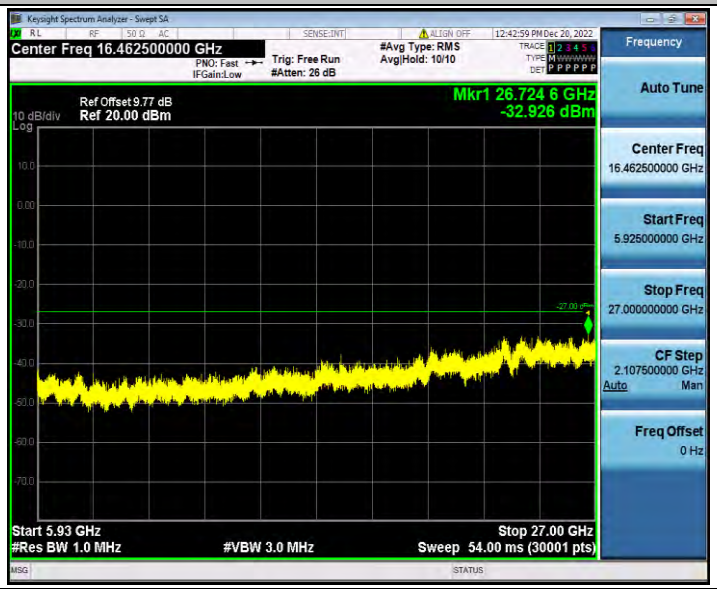
11AC20SISO_Ant1_5825_30~5650

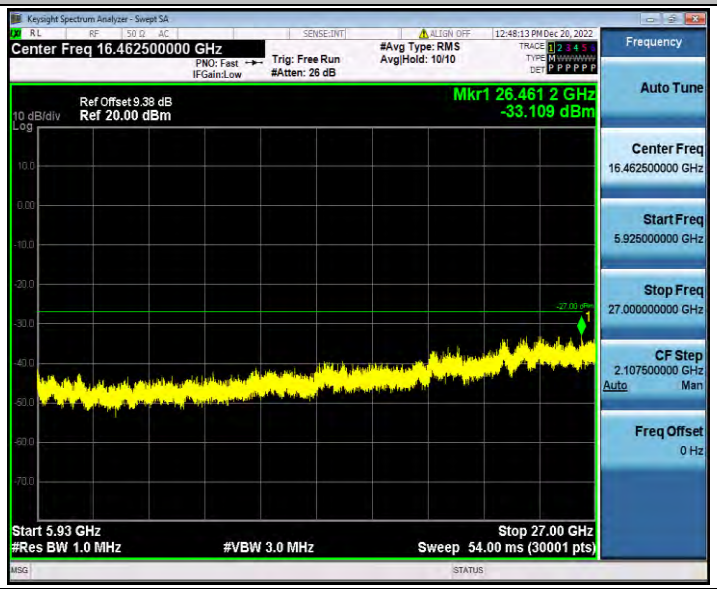
11AC20SISO_Ant1_5825_5925~40000
11AC40SISO_Ant1_5755_30~5650

11AC40SISO_Ant1_5755_5925~40000



11AC40SISO_Ant1_5795_30~5650

11AC40SISO_Ant1_5795_5925~40000



11AC80SISO_Ant1_5775_30~5650

11AC80SISO_Ant1_5775_5925~40000