

Case No. : <u>GTS20221215006-1-4</u>
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,
Test Date: <u>2022.12.28</u> Test Engineer: <u>Jenny zeng</u>

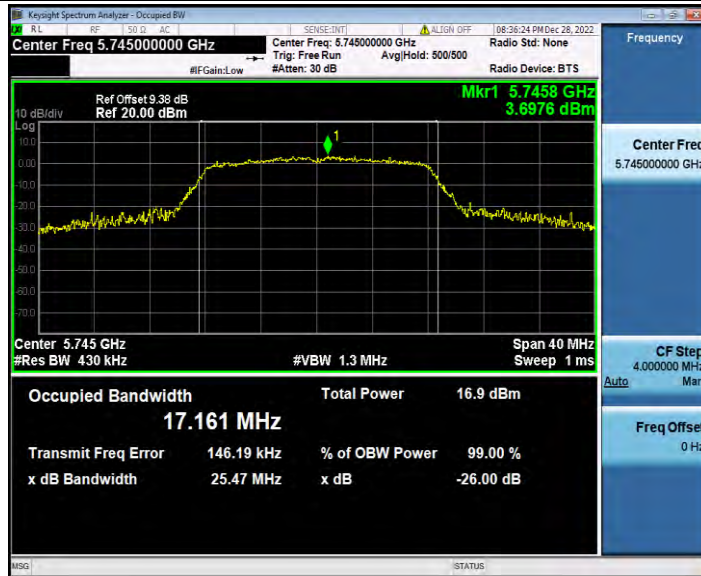
Appendix G.1: Occupied channel bandwidth

Test Result

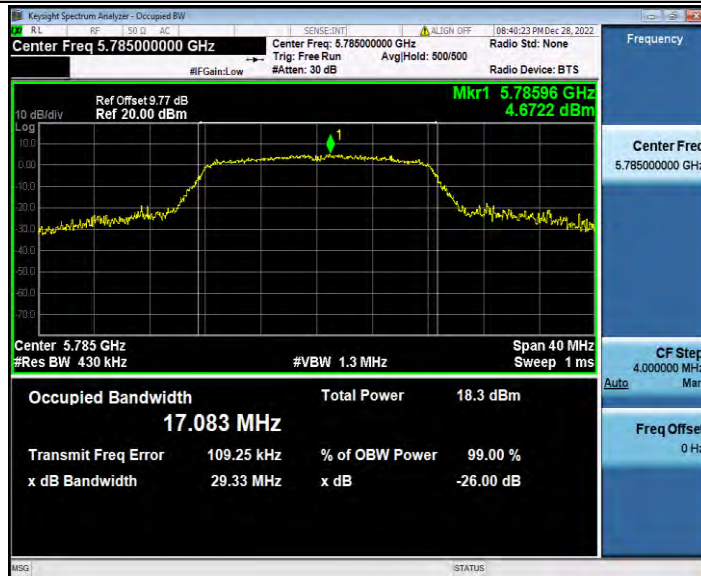
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.161	5736.566	5753.727	---	---
		5785	17.083	5776.568	5793.651	---	---
		5825	16.992	5816.560	5833.552	---	---
11N20SISO	Ant1	5745	18.049	5736.124	5754.173	---	---
		5785	18.066	5776.074	5794.140	---	---
		5825	18.010	5816.061	5834.071	---	---
11N40SISO	Ant1	5755	36.493	5737.060	5773.553	---	---
		5795	36.602	5776.916	5813.518	---	---
11AC20SISO	Ant1	5745	18.038	5736.111	5754.149	---	---
		5785	18.067	5776.072	5794.139	---	---
		5825	18.040	5816.055	5834.095	---	---
11AC40SISO	Ant1	5755	36.523	5736.994	5773.517	---	---
		5795	36.537	5777.010	5813.547	---	---
11AC80SISO	Ant1	5775	75.540	5737.830	5813.370	---	---

Test Graphs

11A_Ant1_5745



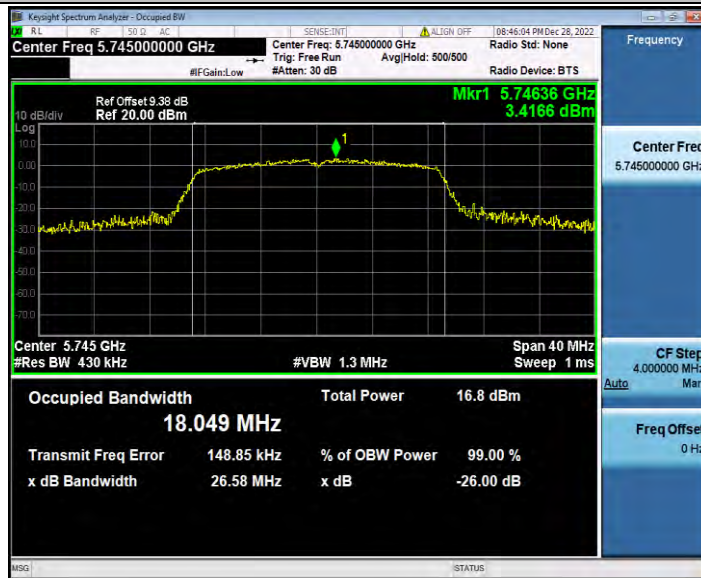
11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



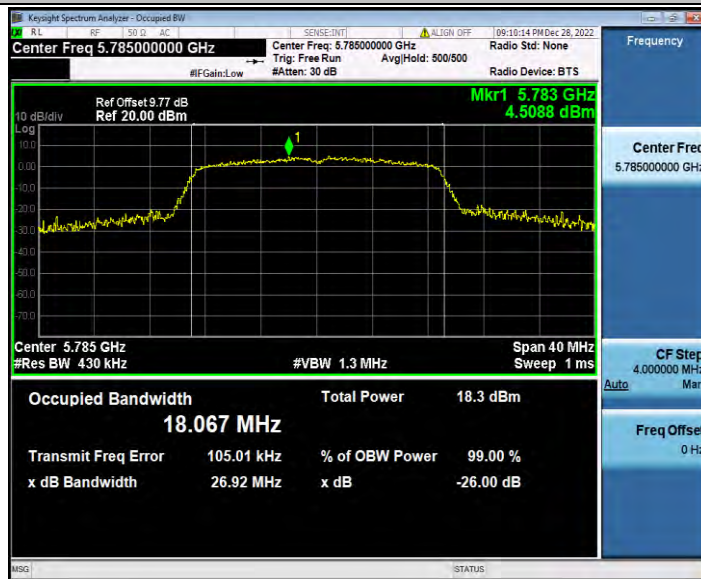
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



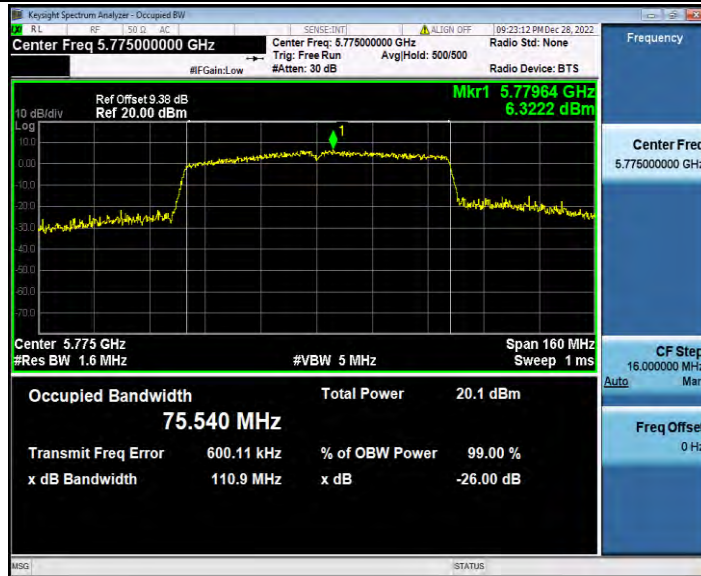
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



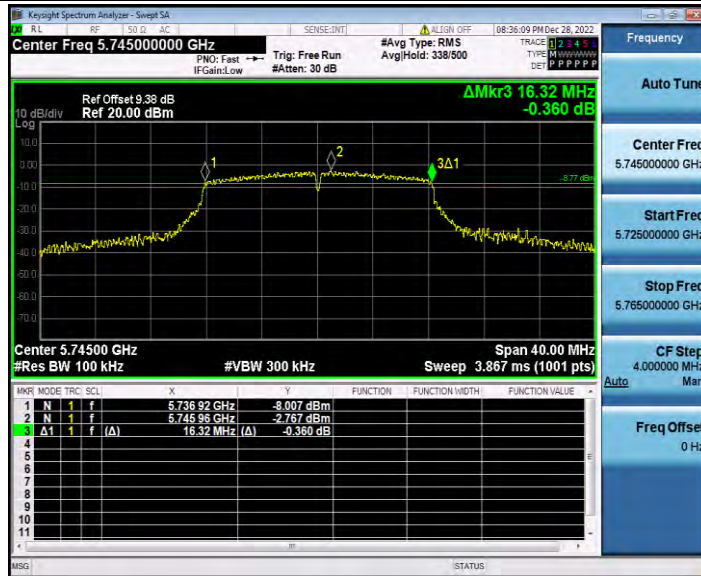
Appendix G.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.920	5753.240	0.5	PASS
		5785	16.360	5776.880	5793.240	0.5	PASS
		5825	16.320	5816.880	5833.200	0.5	PASS
11N20SISO	Ant1	5745	17.600	5736.280	5753.880	0.5	PASS
		5785	17.560	5776.280	5793.840	0.5	PASS
		5825	17.560	5816.280	5833.840	0.5	PASS
11N40SISO	Ant1	5755	35.680	5737.560	5773.240	0.5	PASS
		5795	36.080	5777.160	5813.240	0.5	PASS
11AC20SISO	Ant1	5745	17.560	5736.280	5753.840	0.5	PASS
		5785	17.560	5776.280	5793.840	0.5	PASS
		5825	17.560	5816.280	5833.840	0.5	PASS
11AC40SISO	Ant1	5755	36.080	5737.160	5773.240	0.5	PASS
		5795	35.920	5777.320	5813.240	0.5	PASS
11AC80SISO	Ant1	5775	72.320	5740.920	5813.240	0.5	PASS

Test Graphs B4

11A_Ant1_5745



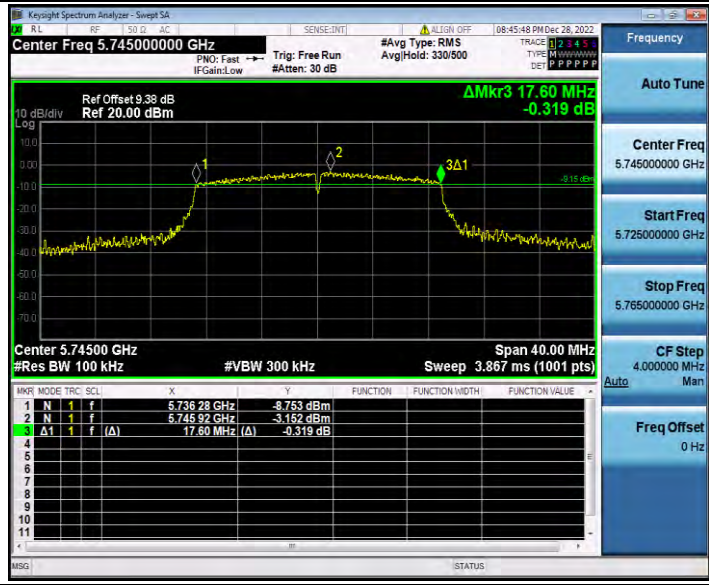
11A_Ant1_5785



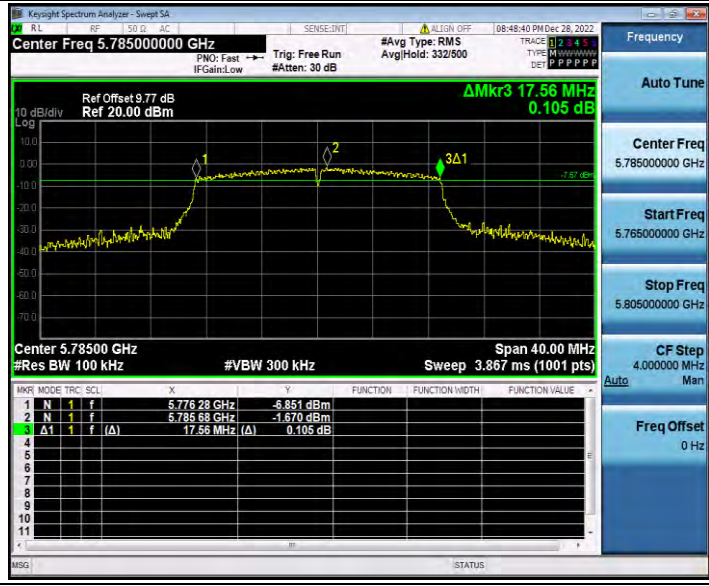
11A_Ant1_5825



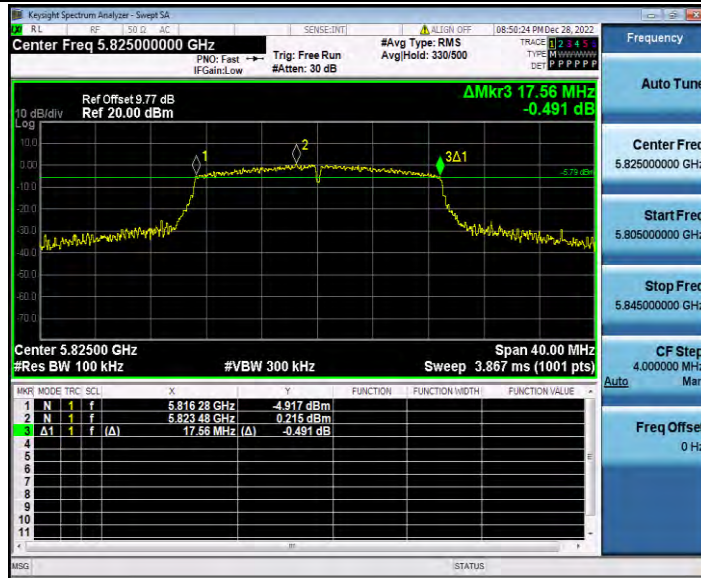
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



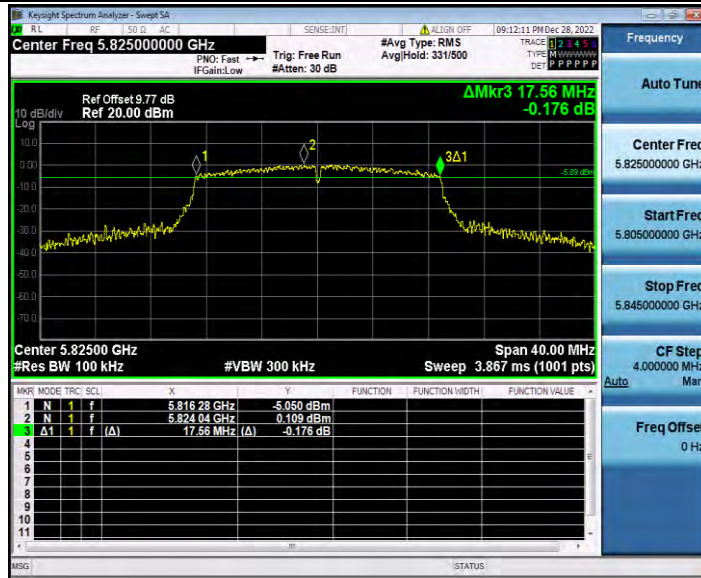
11AC20SISO_Ant1_5745



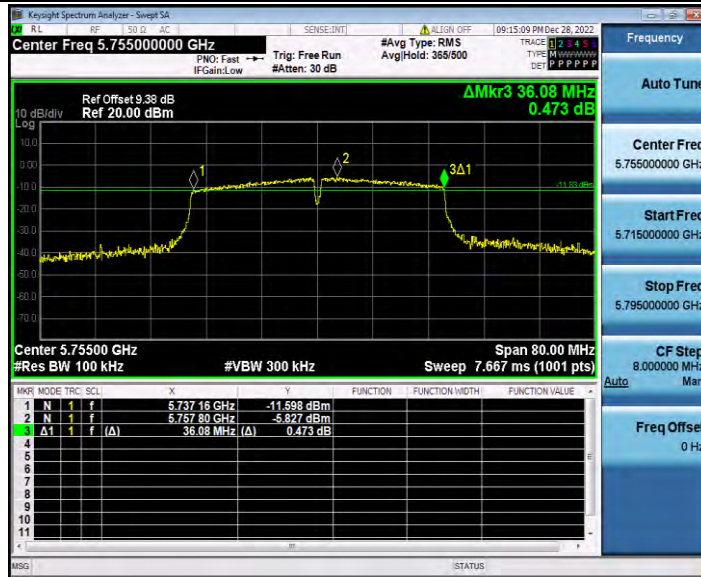
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



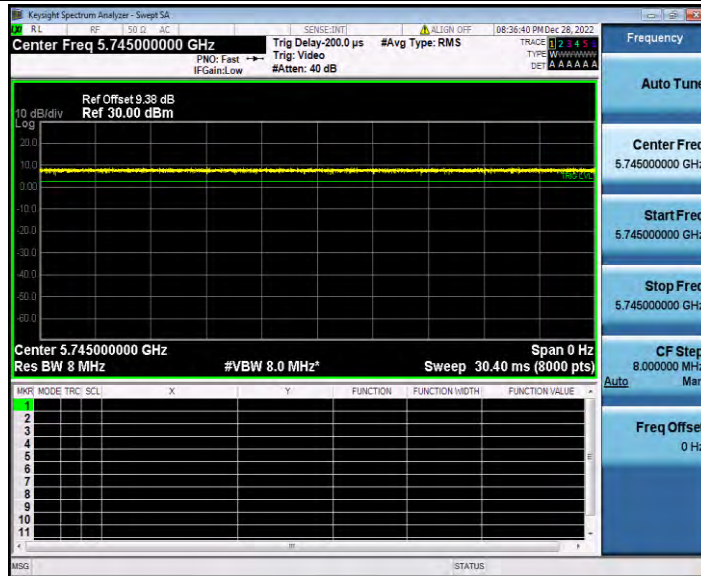
Appendix G.3: Duty Cycle

Test Result

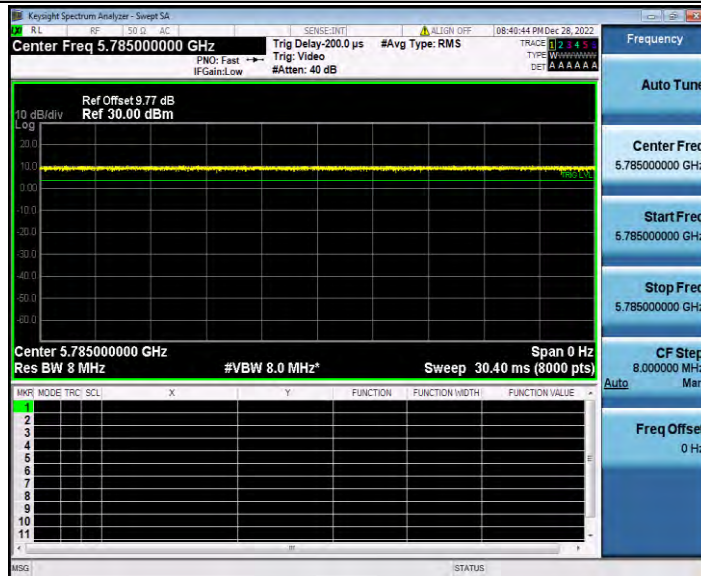
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11N20SISO	Ant1	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11N40SISO	Ant1	5755	30.00	30.00	100.00
		5795	30.00	30.00	100.00
11AC20SISO	Ant1	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11AC40SISO	Ant1	5755	30.00	30.00	100.00
		5795	30.00	30.00	100.00
11AC80SISO	Ant1	5775	30.00	30.00	100.00

Test Graphs

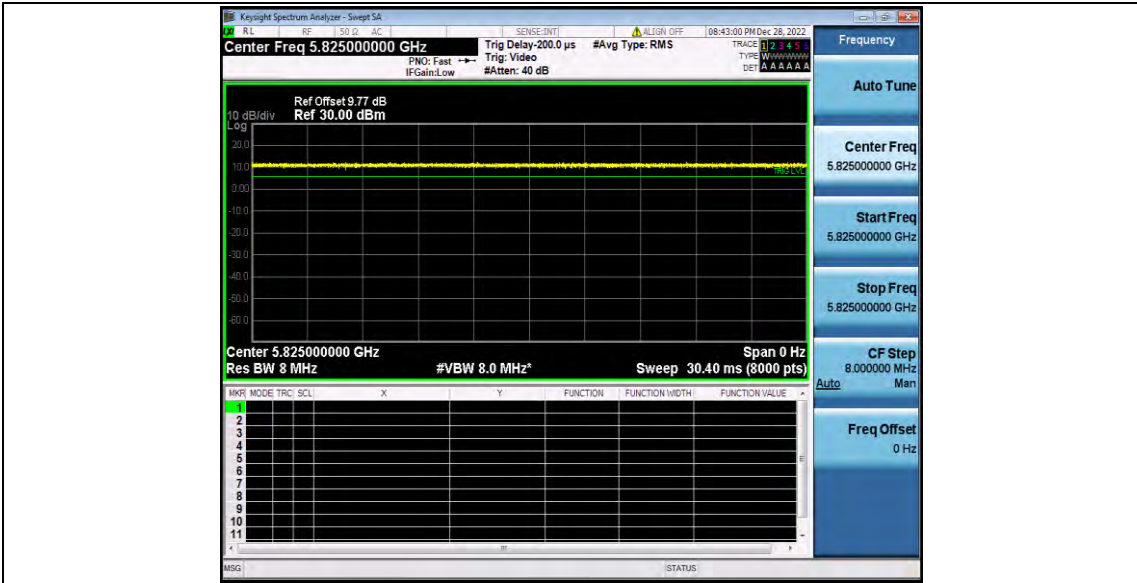
11A_Ant1_5745



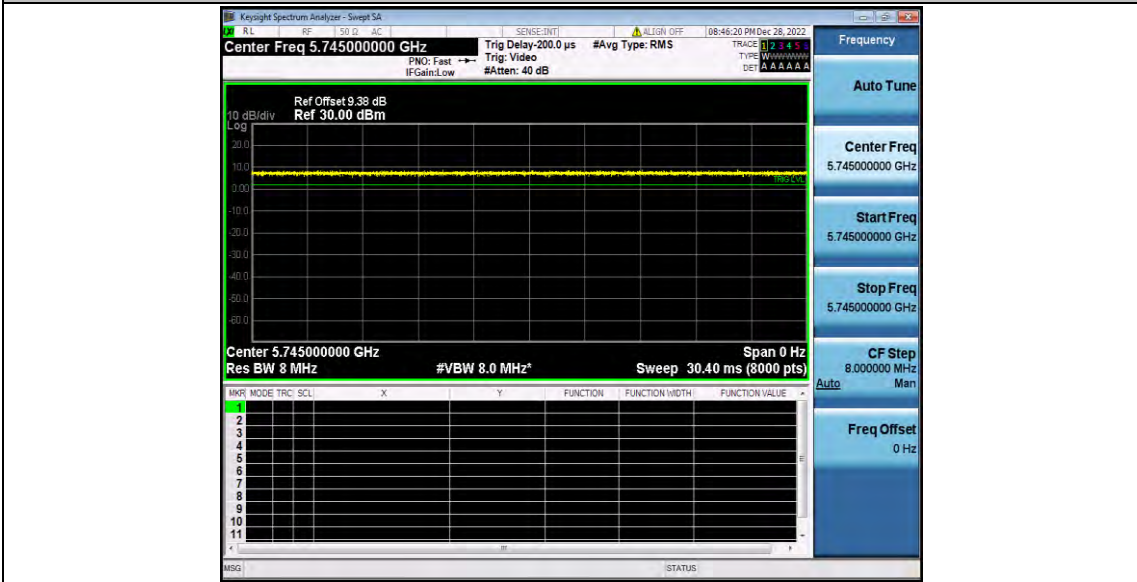
11A_Ant1_5785



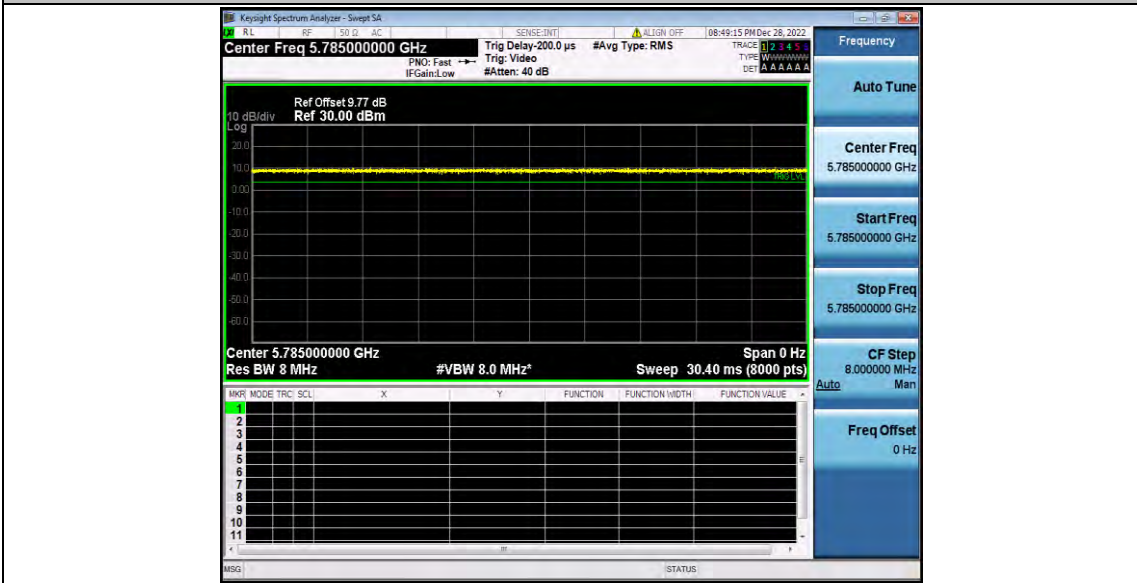
11A_Ant1_5825



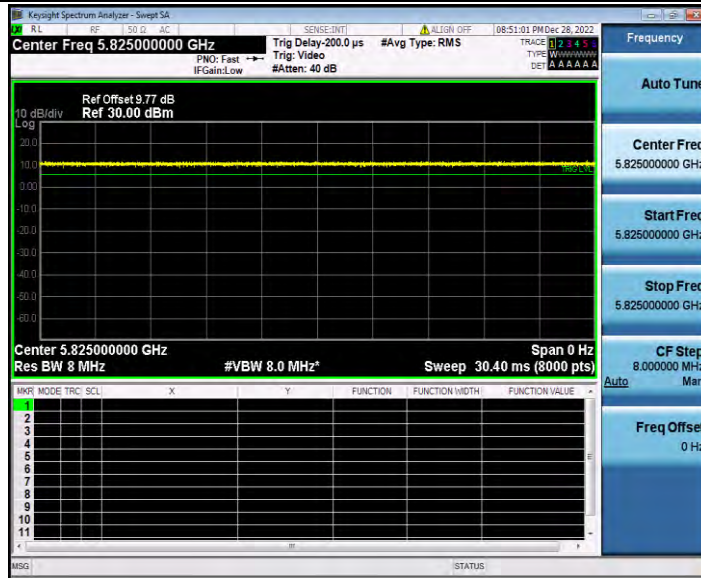
11N20SISO_Ant1_5745



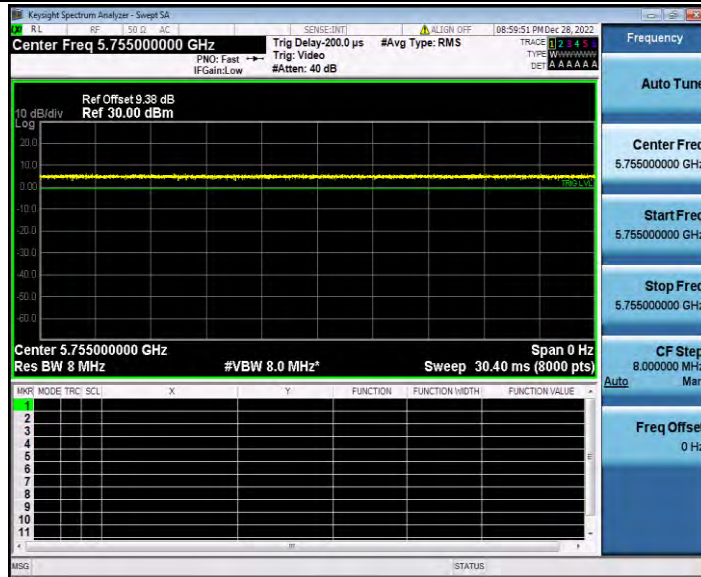
11N20SISO_Ant1_5785



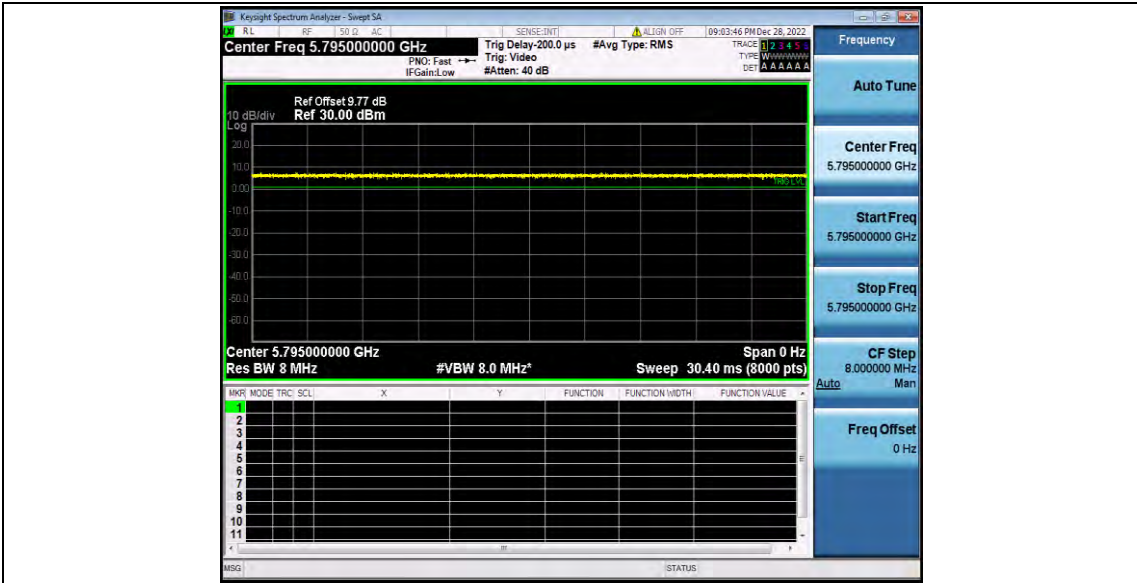
11N20SISO_Ant1_5825



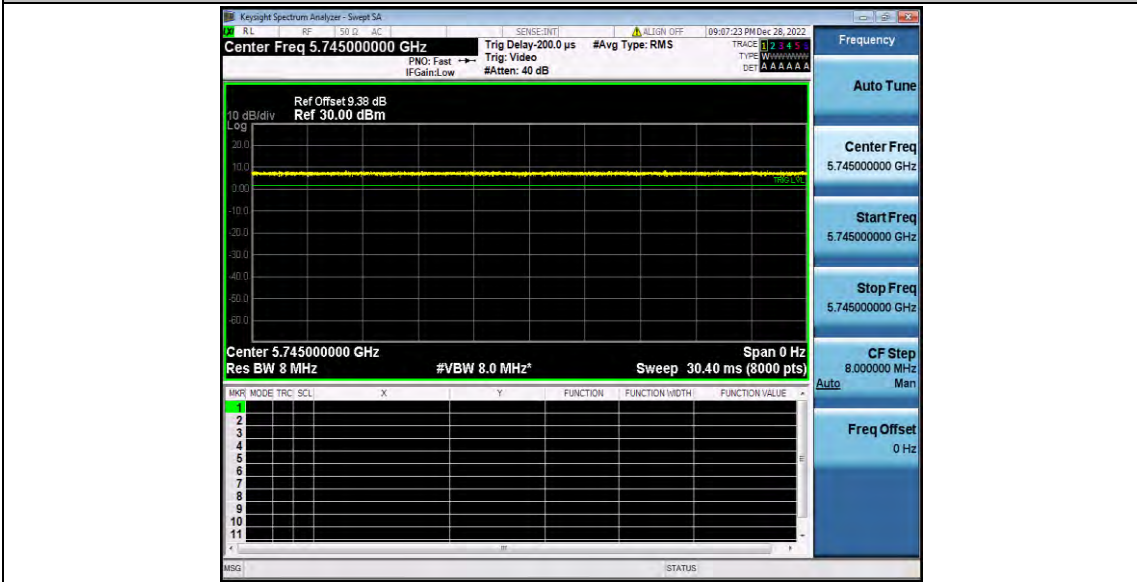
11N40SISO_Ant1_5755



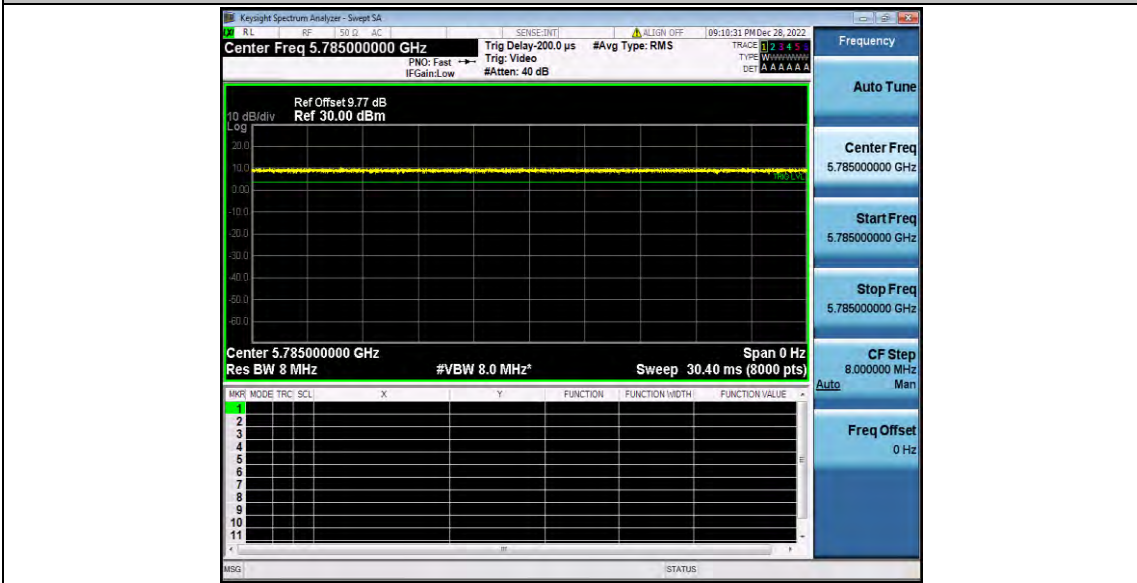
11N40SISO_Ant1_5795



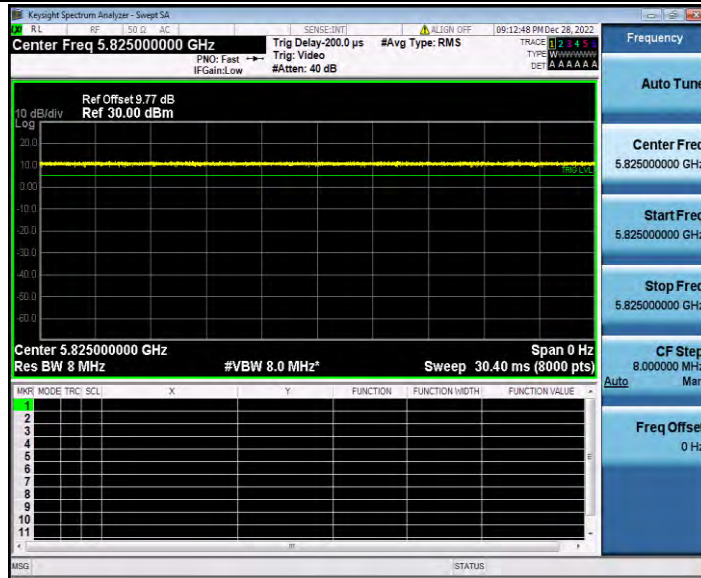
11AC20SISO_Ant1_5745



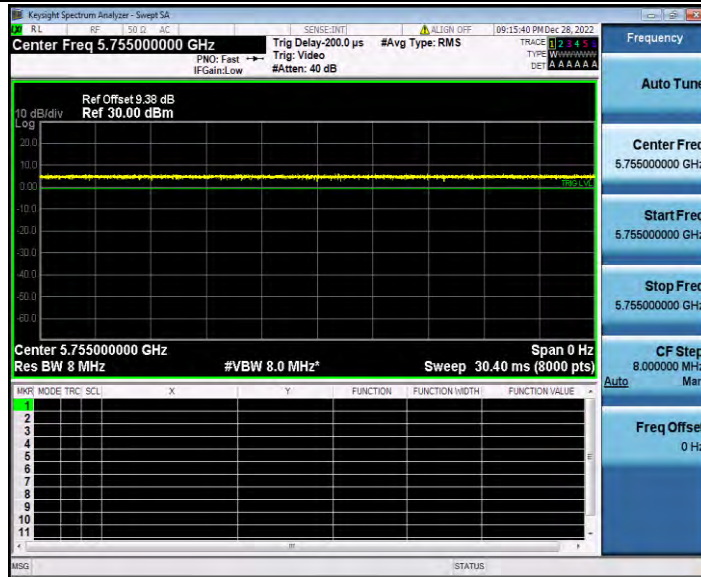
11AC20SISO_Ant1_5785



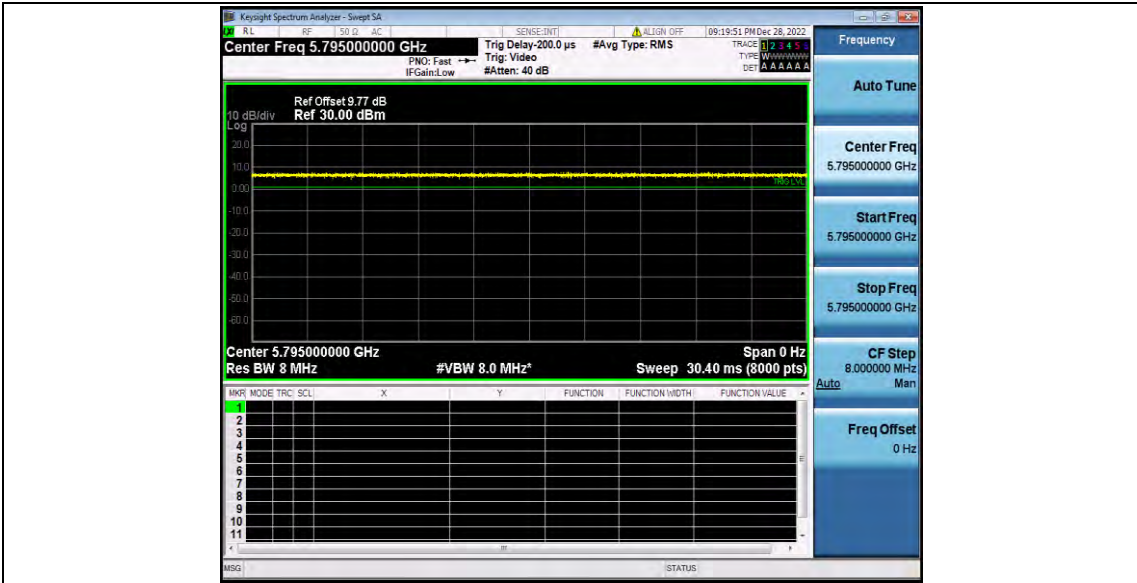
11AC20SISO_Ant1_5825



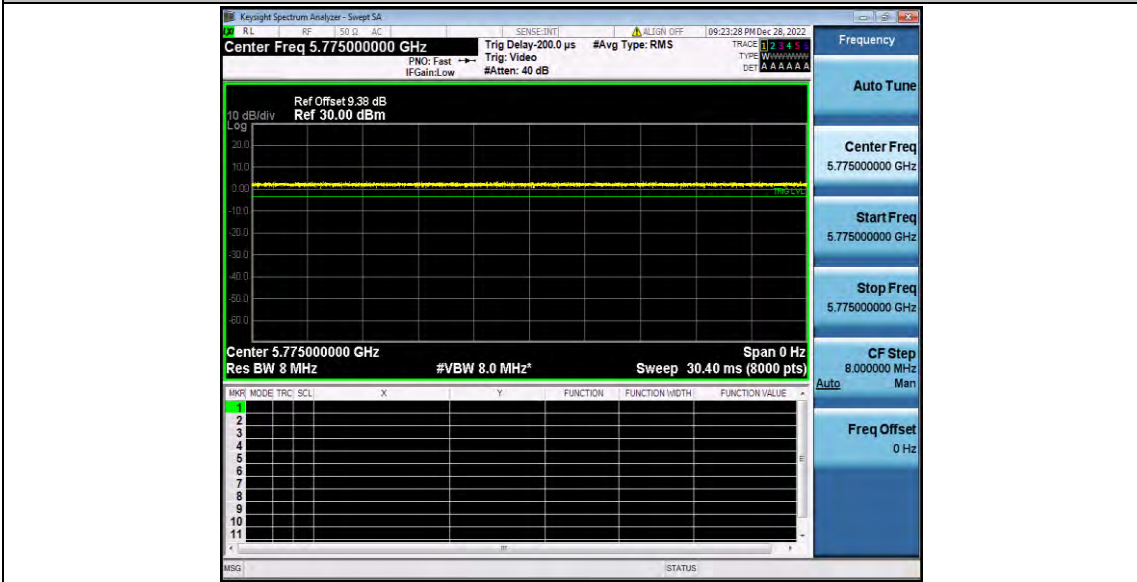
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix G.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	6.05	100.00	0.00	6.05	≤30.00	PASS
		5785	6.54	100.00	0.00	6.54	≤30.00	PASS
		5825	6.36	100.00	0.00	6.36	≤30.00	PASS
11N20SISO	Ant1	5745	6.92	100.00	0.00	6.92	≤30.00	PASS
		5785	6.52	100.00	0.00	6.52	≤30.00	PASS
		5825	6.31	100.00	0.00	6.31	≤30.00	PASS
11N40SISO	Ant1	5755	6.21	100.00	0.00	6.21	≤30.00	PASS
		5795	6.74	100.00	0.00	6.74	≤30.00	PASS
11AC20SISO	Ant1	5745	6.66	100.00	0.00	6.66	≤30.00	PASS
		5785	6.50	100.00	0.00	6.50	≤30.00	PASS
		5825	6.37	100.00	0.00	6.37	≤30.00	PASS
11AC40SISO	Ant1	5755	6.11	100.00	0.00	6.11	≤30.00	PASS
		5795	6.92	100.00	0.00	6.92	≤30.00	PASS
11AC80SISO	Ant1	5775	6.12	100.00	0.00	6.12	≤30.00	PASS

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

Appendix G.5: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-3.26	≤30.00	PASS
		5785	-1.64	≤30.00	PASS
		5825	0.29	≤30.00	PASS
11N20SISO	Ant1	5745	-3.59	≤30.00	PASS
		5785	-2.03	≤30.00	PASS
		5825	0	≤30.00	PASS
11N40SISO	Ant1	5755	-6.04	≤30.00	PASS
		5795	-4.58	≤30.00	PASS
11AC20SISO	Ant1	5745	-3.78	≤30.00	PASS
		5785	-1.78	≤30.00	PASS
		5825	-0.08	≤30.00	PASS
11AC40SISO	Ant1	5755	-6.11	≤30.00	PASS
		5795	-4.42	≤30.00	PASS
11AC80SISO	Ant1	5775	-8.78	≤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

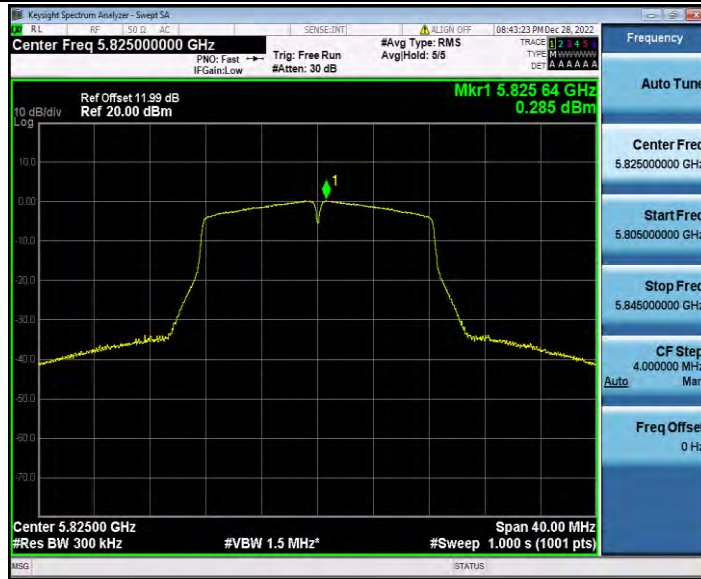
11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



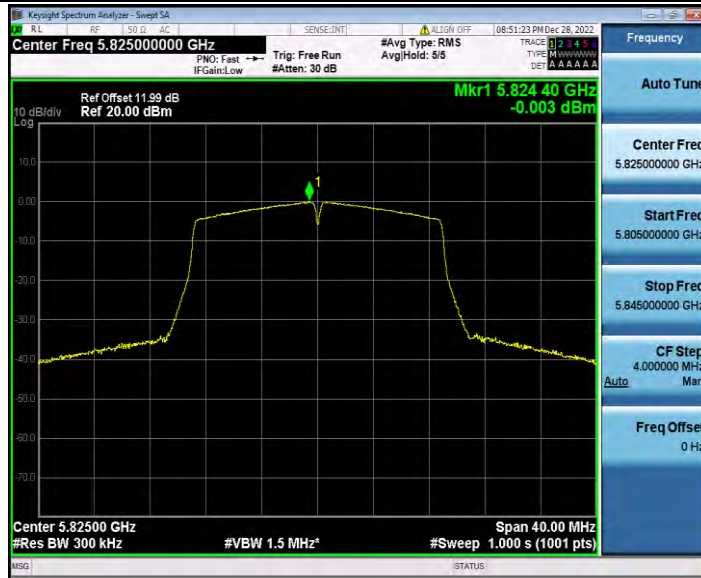
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



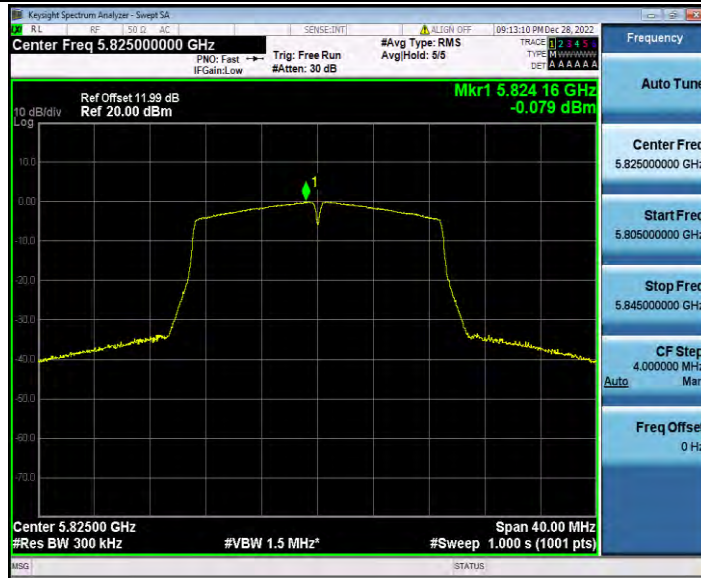
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



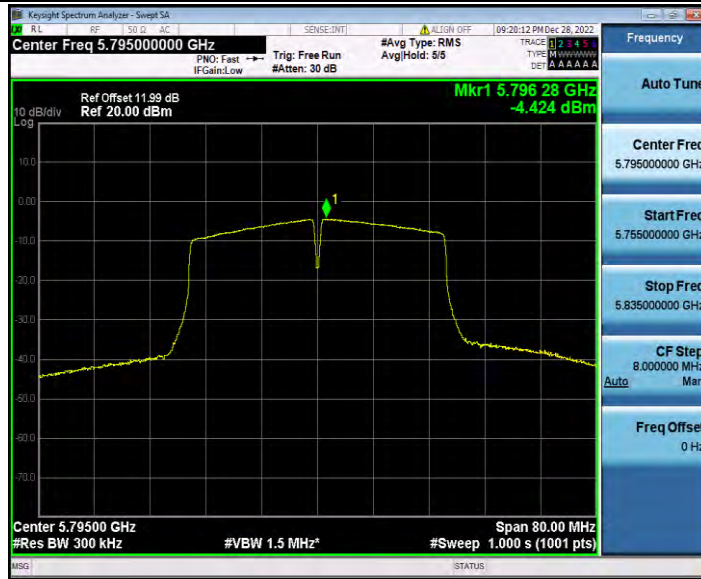
11AC20SISO_Ant1_5825



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	-36.88	≤5.81	PASS
				5700~5720	-26.63	≤14.56	PASS
				5720~5725	-20.37	≤26.83	PASS
				5760~5650	-40.54	≤-27	PASS
		High	5825	5850~5855	-30.67	≤15.79	PASS
				5855~5875	-30.99	≤10.55	PASS
				5875~5925	-37.57	≤-17.07	PASS
5925~5935	-39.61	≤-27	PASS				
11N20SI SO	Ant1	Low	5745	5650~5700	-36.22	≤8.87	PASS
				5700~5720	-27.03	≤15.59	PASS
				5720~5725	-23.69	≤26.04	PASS
				5760~5650	-39.39	≤-27	PASS
		High	5825	5850~5855	-28.52	≤18.26	PASS
				5855~5875	-32.11	≤10.44	PASS
				5875~5925	-37.29	≤-5.48	PASS
5925~5935	-39.29	≤-27	PASS				
11N40SI SO	Ant1	Low	5755	5650~5700	-34.36	≤9.66	PASS
				5700~5720	-25.62	≤15.31	PASS
				5720~5725	-24.38	≤20.35	PASS
				5780~5650	-39.3	≤-27	PASS
		High	5795	5850~5855	-33.89	≤15.66	PASS
				5855~5875	-32.12	≤10.55	PASS
				5875~5925	-38.08	≤-23.14	PASS
5925~5935	-38.49	≤-27	PASS				
11AC20S ISO	Ant1	Low	5745	5650~5700	-36.47	≤9.38	PASS
				5700~5720	-27.46	≤15.34	PASS
				5720~5725	-22.86	≤25.26	PASS
				5760~5650	-39.44	≤-27	PASS
		High	5825	5850~5855	-27.22	≤17.03	PASS
				5855~5875	-30.18	≤10.85	PASS
				5875~5925	-37.65	≤-23.86	PASS
5925~5935	-38.68	≤-27	PASS				
11AC40S ISO	Ant1	Low	5755	5650~5700	-35.06	≤9.66	PASS
				5700~5720	-25.91	≤14.37	PASS
				5720~5725	-25.5	≤20.66	PASS

				5780~5650	-40.24	≤ -27	PASS
		High	5795	5850~5855	-34.92	≤ 25.06	PASS
				5855~5875	-32.26	≤ 10.50	PASS
				5875~5925	-38.18	≤ -23.02	PASS
				5925~5935	-39.72	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-32.75	≤ 8.41	PASS
				5700~5720	-24.46	≤ 15.43	PASS
				5720~5725	-27.16	≤ 16.71	PASS
				5800~5650	-38.58	≤ -27	PASS
		High	5775	5850~5855	-22.19	≤ 16.64	PASS
				5855~5875	-24.37	≤ 10.80	PASS
				5875~5925	-30.43	≤ -21.21	PASS
				5925~5935	-38.2	≤ -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



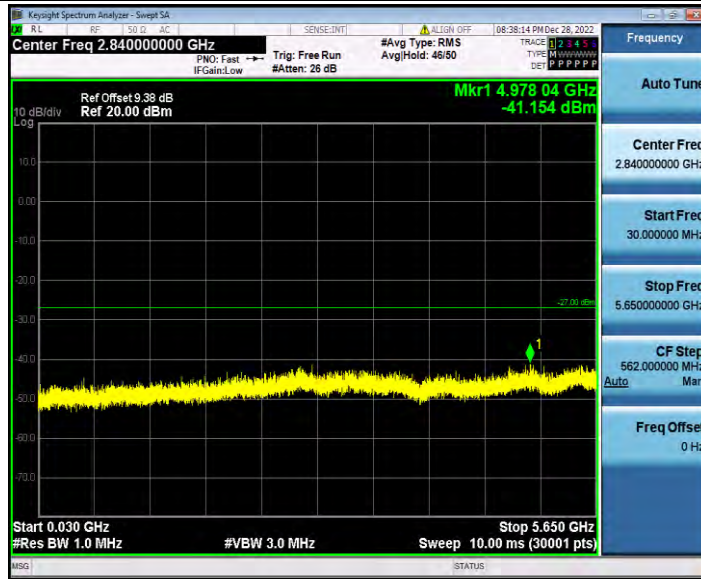
Appendix G.7: Conducted Spurious Emission

Test Result

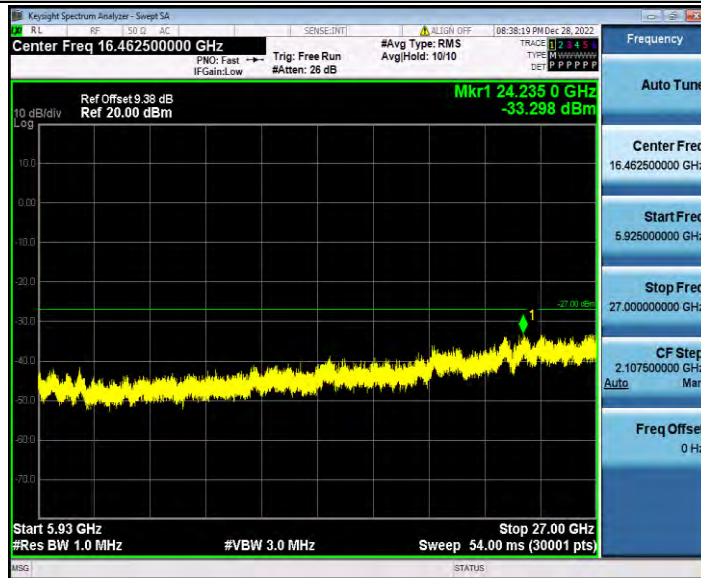
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	4978.04	-41.15	≤-27	PASS
			5925~40000	24234.96	-33.3	≤-27	PASS
		5785	30~5650	4889.99	-41.32	≤-27	PASS
			5925~40000	24337.53	-32.55	≤-27	PASS
		5825	30~5650	5371.06	-40.44	≤-27	PASS
			5925~40000	23533.16	-32.7	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5504.63	-41.06	≤-27	PASS
			5925~40000	24269.38	-31.93	≤-27	PASS
		5785	30~5650	4999.2	-39.8	≤-27	PASS
			5925~40000	24885.48	-32.24	≤-27	PASS
		5825	30~5650	2669.9	-40.74	≤-27	PASS
			5925~40000	26822.97	-32.73	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5639.51	-41.09	≤-27	PASS
			5925~40000	26069.19	-32.12	≤-27	PASS
		5795	30~5650	5617.97	-40.23	≤-27	PASS
			5925~40000	24178.06	-32.21	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5365.44	-40.99	≤-27	PASS
			5925~40000	24273.6	-32.83	≤-27	PASS
		5785	30~5650	4920.52	-40.72	≤-27	PASS
			5925~40000	25001.39	-32.78	≤-27	PASS
		5825	30~5650	5555.21	-40.83	≤-27	PASS
			5925~40000	25115.19	-31.93	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	4915.47	-41.31	≤-27	PASS
			5925~40000	24803.28	-32.7	≤-27	PASS
		5795	30~5650	5379.3	-40.72	≤-27	PASS
			5925~40000	26046.71	-32.62	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	4926.52	-40.97	≤-27	PASS
			5925~40000	24247.61	-32.02	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650



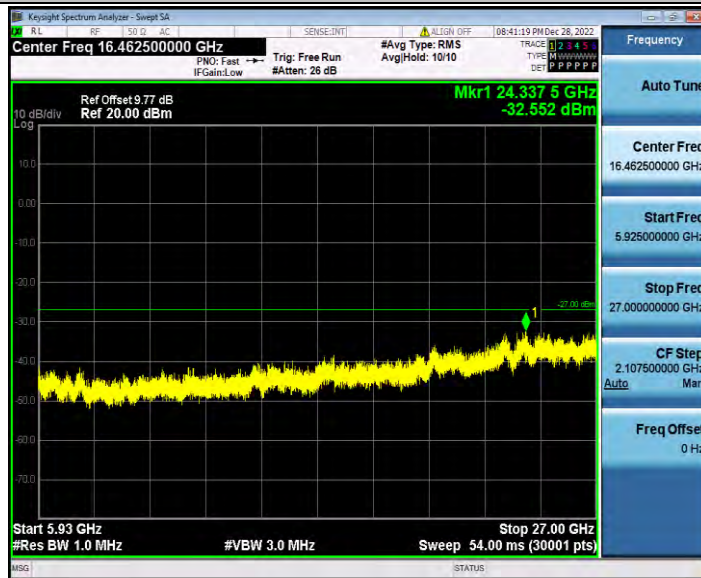
11A_Ant1_5745_5925~40000



11A_Ant1_5785_30~5650



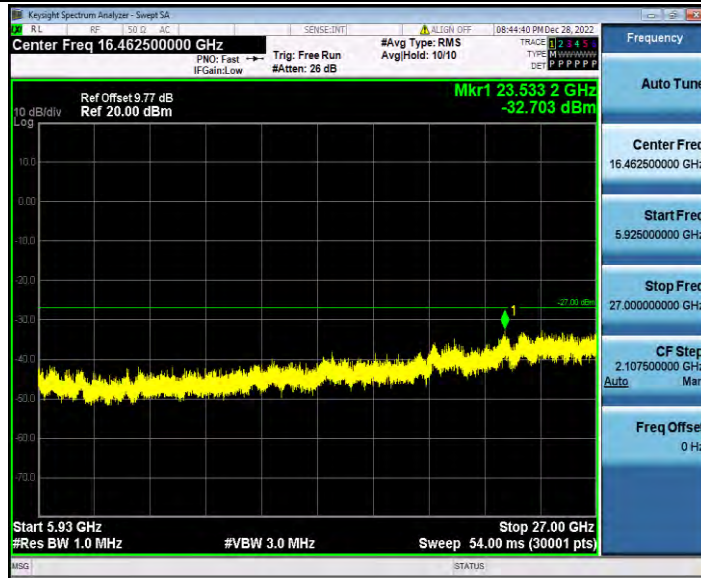
11A_Ant1_5785_5925~40000



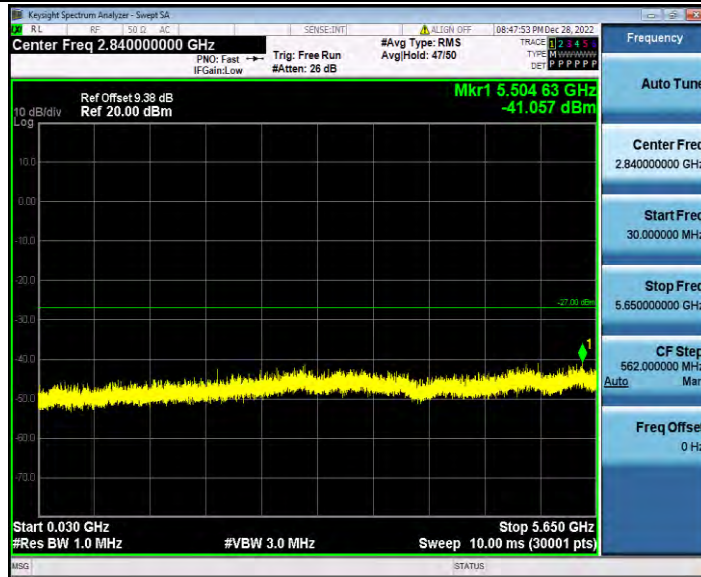
11A_Ant1_5825_30~5650



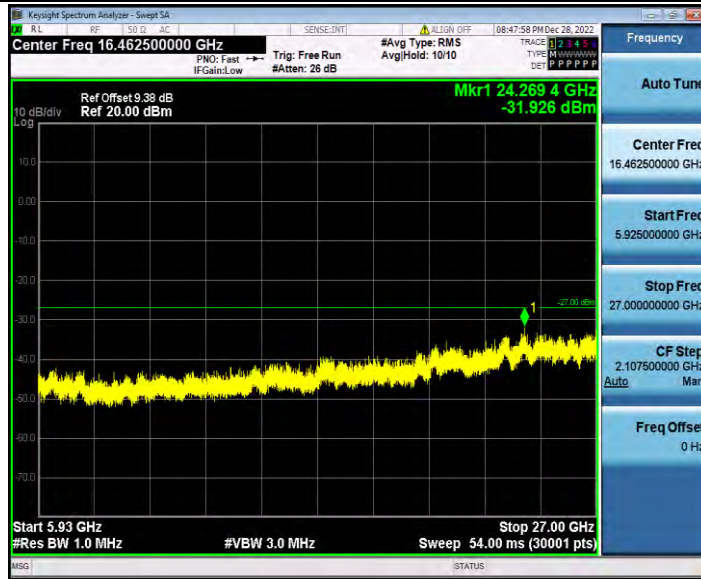
11A_Ant1_5825_5925~40000



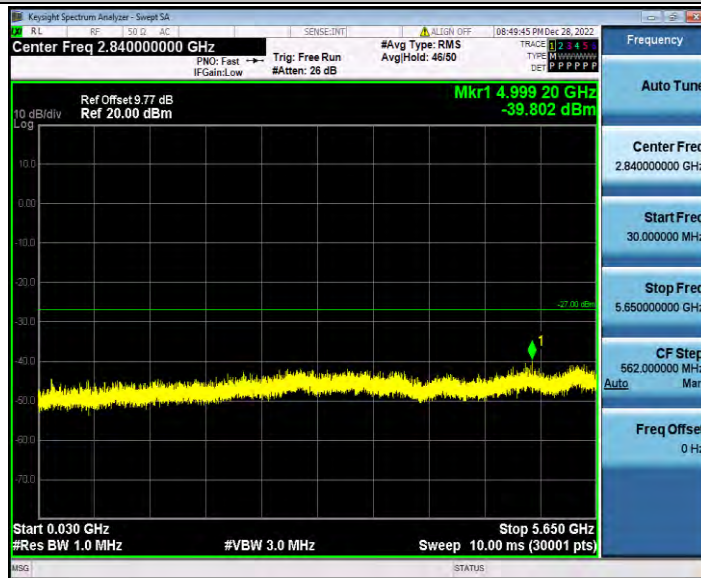
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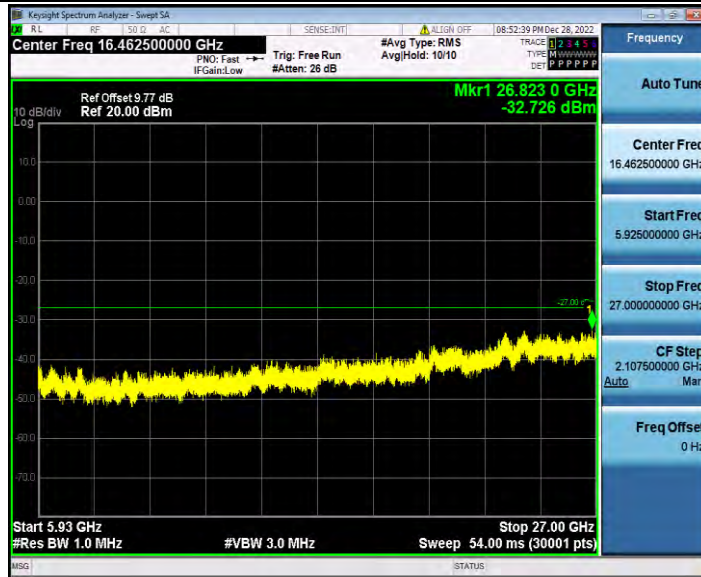
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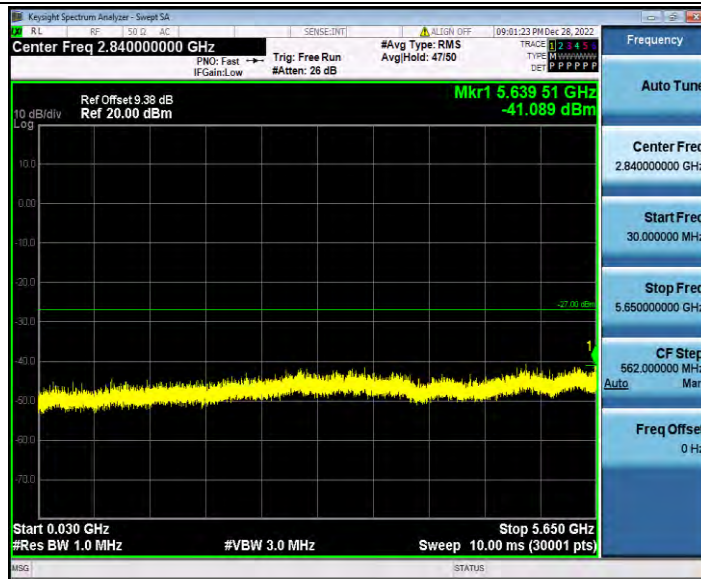
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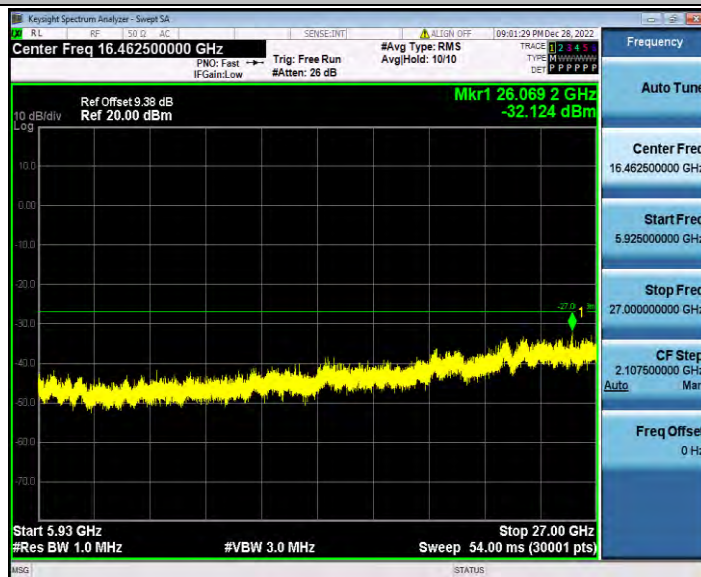
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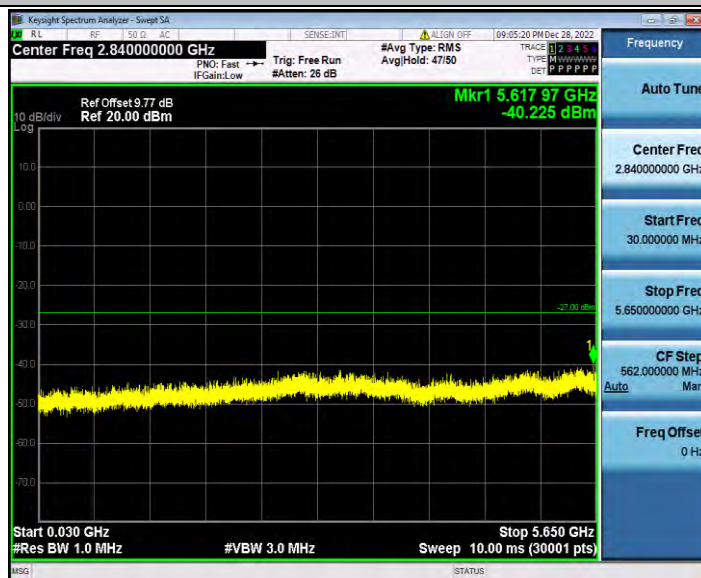
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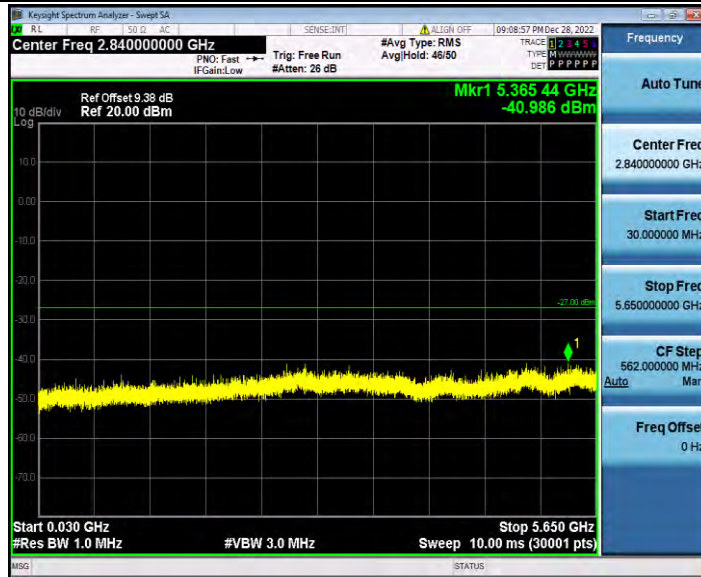
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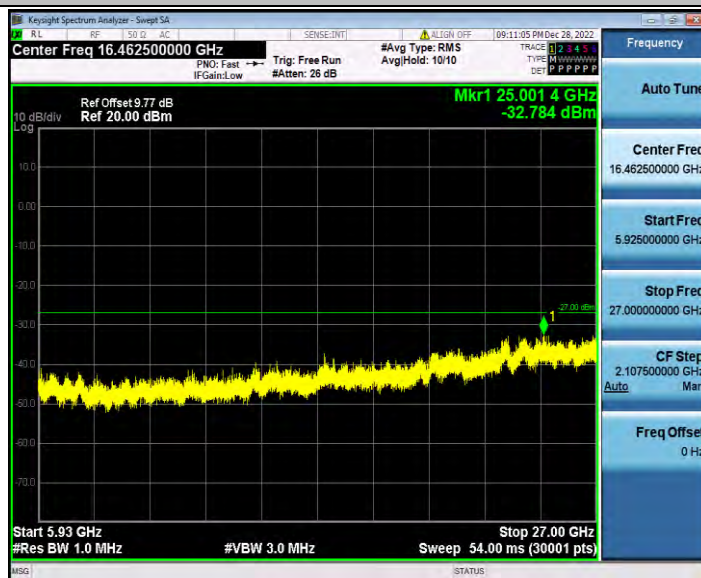
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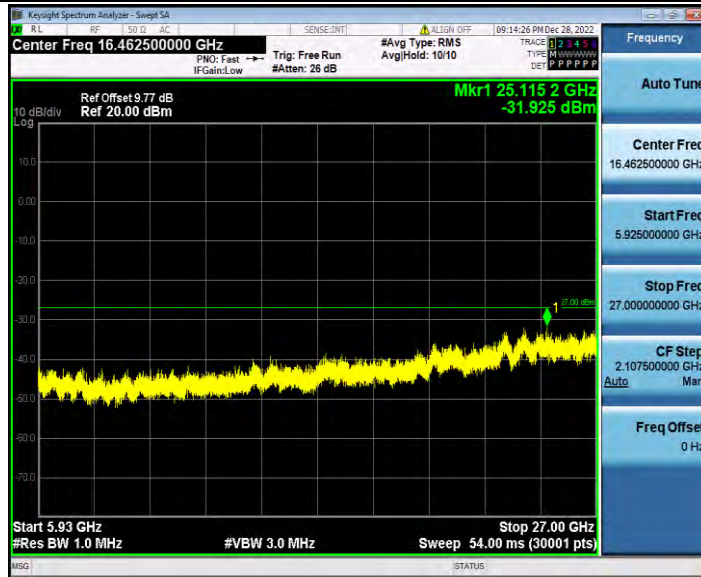
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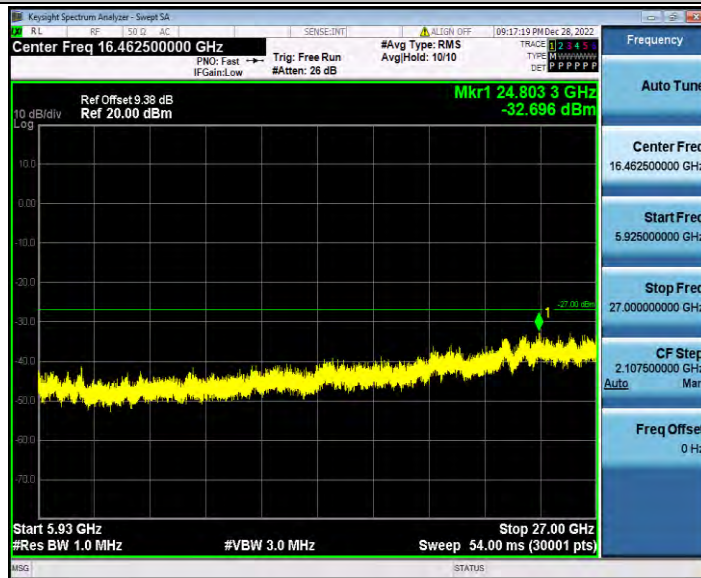
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11AC40SISO_Ant1_5755_30~5650



11AC40SISO_Ant1_5755_5925~4000



11AC40SISO_Ant1_5795_30~5650



11AC40SISO_Ant1_5795_5925~40000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~40000

