

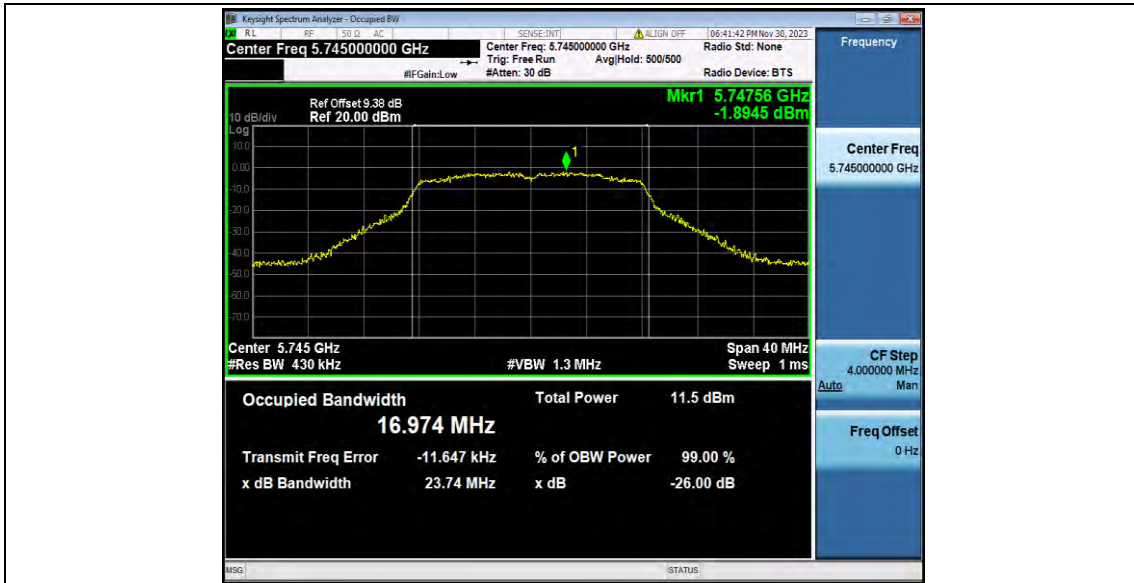
Case No. : <u>GTS20231017004-1-13</u>
Ambient Condition: <u>24</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.11.30</u> Test Engineer: <u>Evan ouyang</u>

Appendix E.1: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.974	5736.501	5753.475	---	---
		5785	16.969	5776.480	5793.449	---	---
		5825	16.969	5816.451	5833.420	---	---
11N20SISO	Ant1	5745	18.023	5735.982	5754.005	---	---
		5785	18.000	5775.995	5793.995	---	---
		5825	18.028	5815.934	5833.962	---	---
11N40SISO	Ant1	5755	36.225	5736.854	5773.079	---	---
		5795	36.262	5776.846	5813.108	---	---
11AC20SISO	Ant1	5745	18.031	5735.971	5754.002	---	---
		5785	18.014	5775.958	5793.972	---	---
		5825	18.035	5815.933	5833.968	---	---
11AC40SISO	Ant1	5755	36.212	5736.850	5773.062	---	---
		5795	36.170	5776.853	5813.023	---	---
11AC80SISO	Ant1	5775	75.061	5737.369	5812.430	---	---

Test Graphs



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



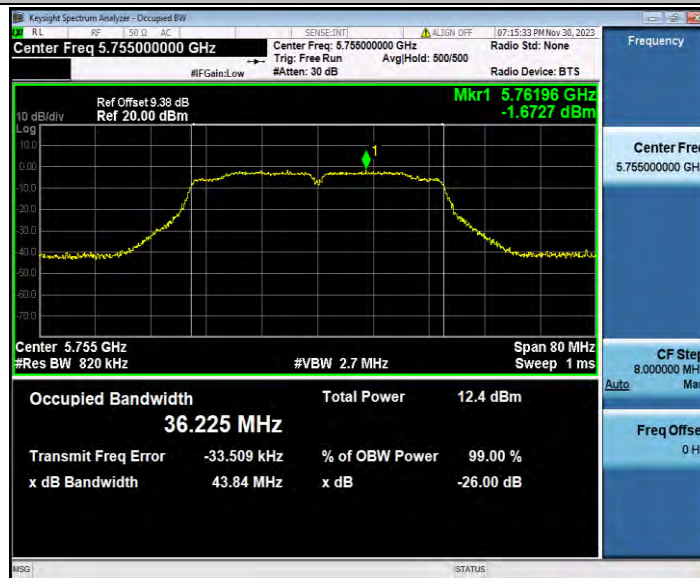
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



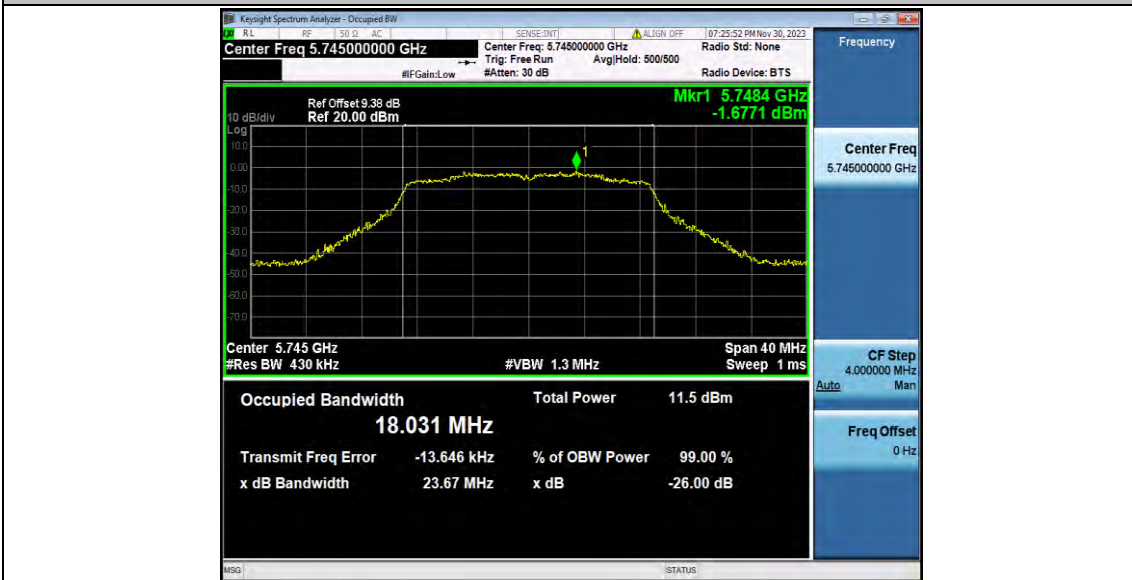
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



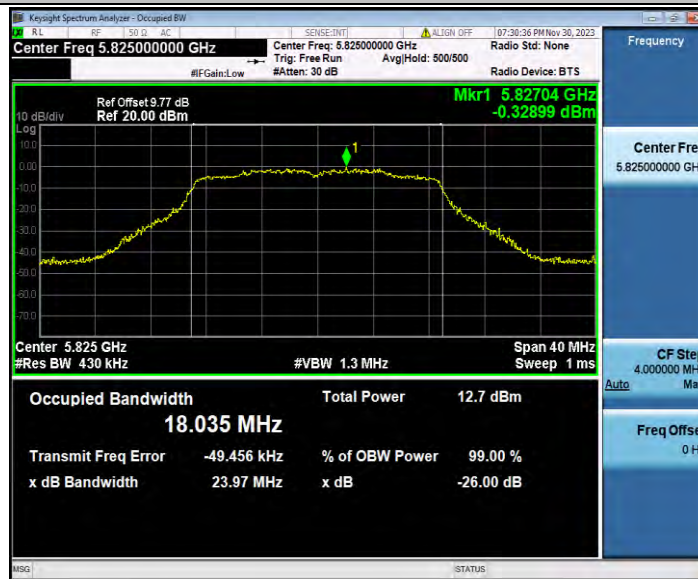
11N40SISO_Ant1_5795



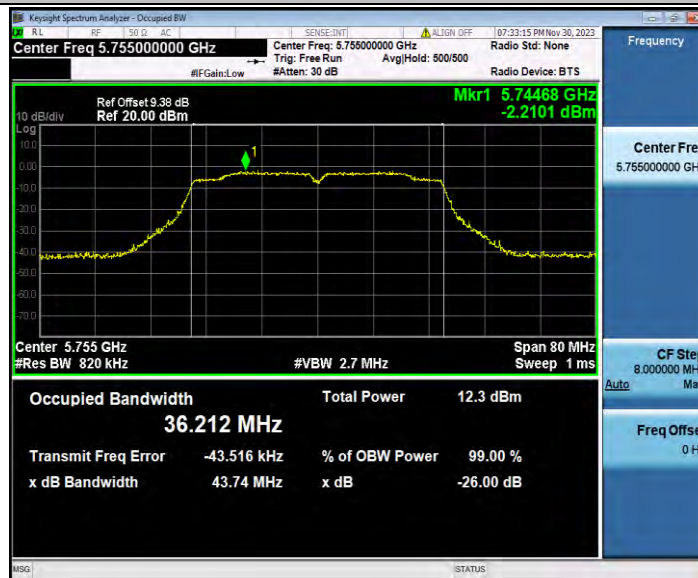
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



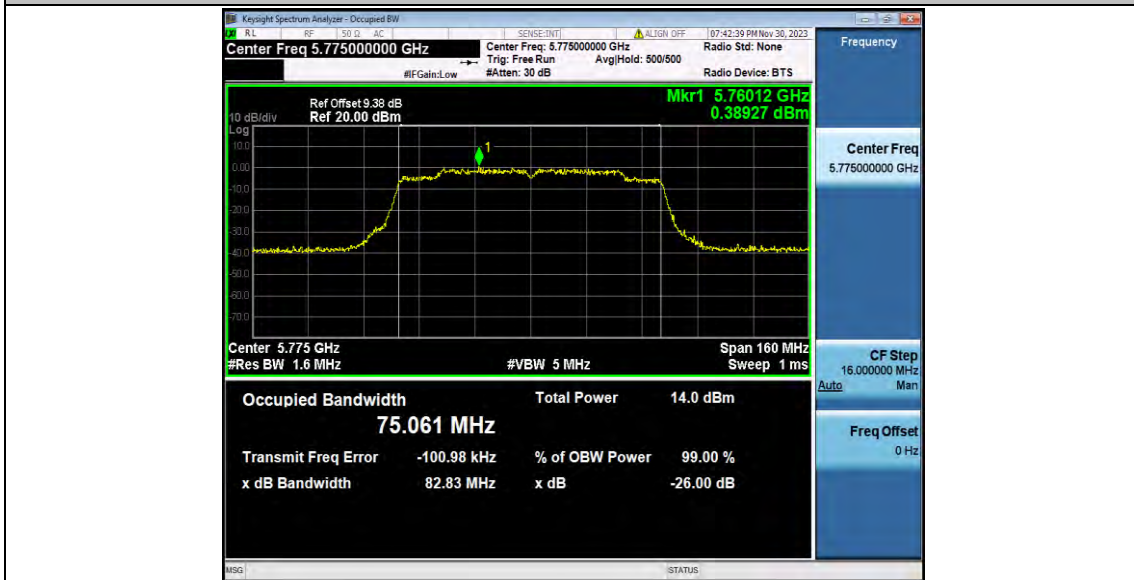
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

Appendix E.2: Min emission bandwidth

Test Result B4

Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.280	5737.440	5752.720	0.5	PASS
		5785	15.040	5777.480	5792.520	0.5	PASS
		5825	15.480	5817.240	5832.720	0.5	PASS
11N20SISO	Ant1	5745	15.080	5737.440	5752.520	0.5	PASS
		5785	13.840	5778.680	5792.520	0.5	PASS
		5825	15.040	5817.480	5832.520	0.5	PASS
11N40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	15.080	5737.400	5752.480	0.5	PASS
		5785	14.960	5777.560	5792.520	0.5	PASS
		5825	15.400	5817.480	5832.880	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	75.040	5737.400	5812.440	0.5	PASS

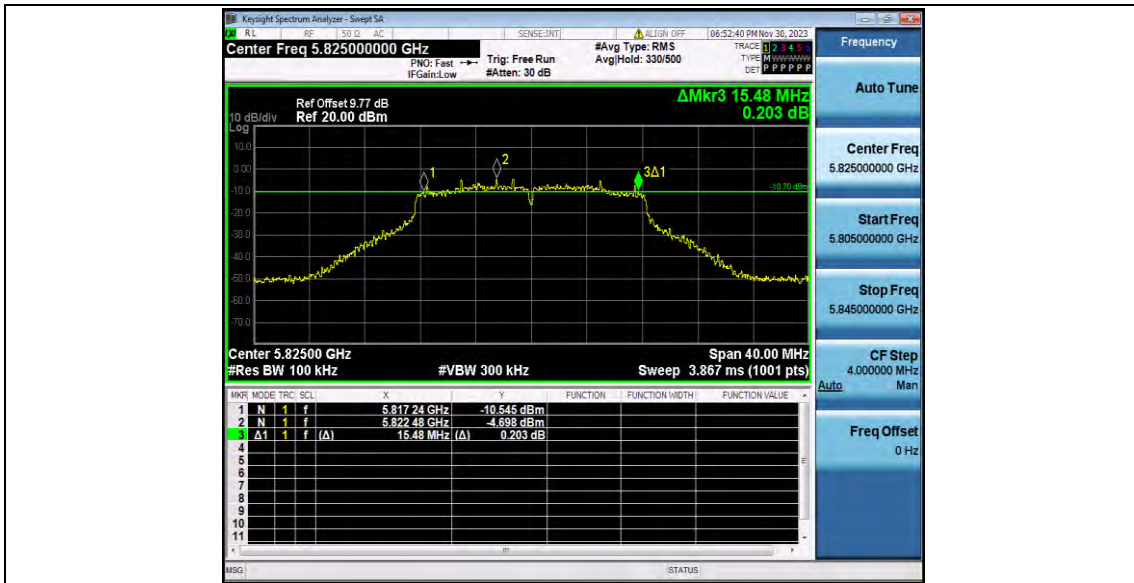
Test Graphs B4



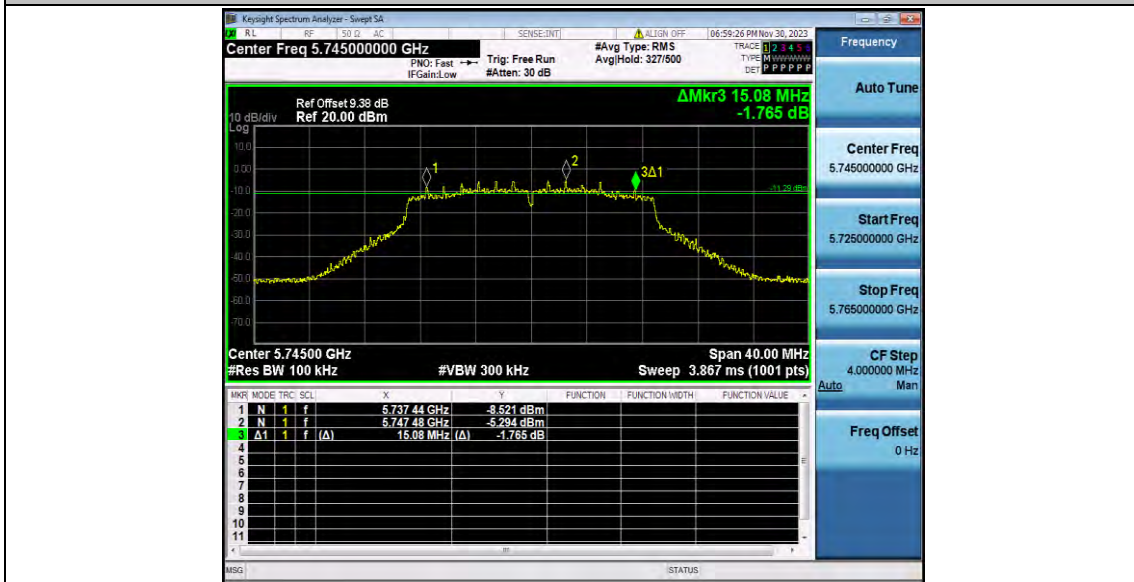
11A_Ant1_5745



11A_Ant1_5785



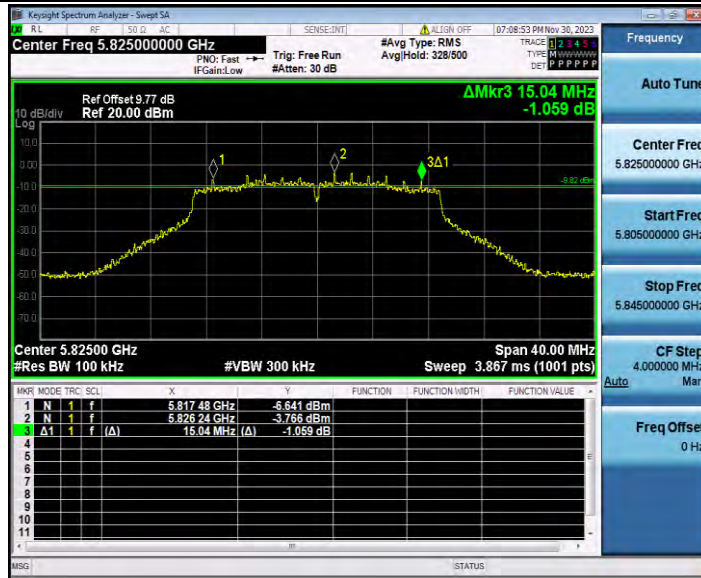
11A_Ant1_5825



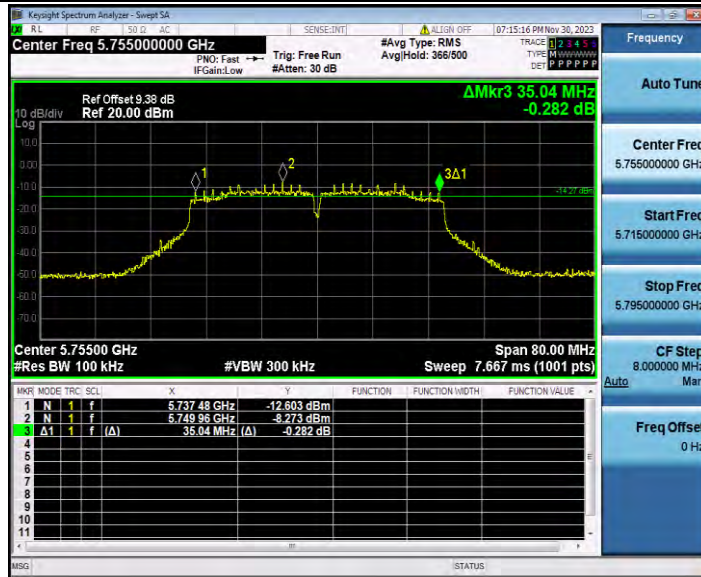
11N20SISO_Ant1_5745



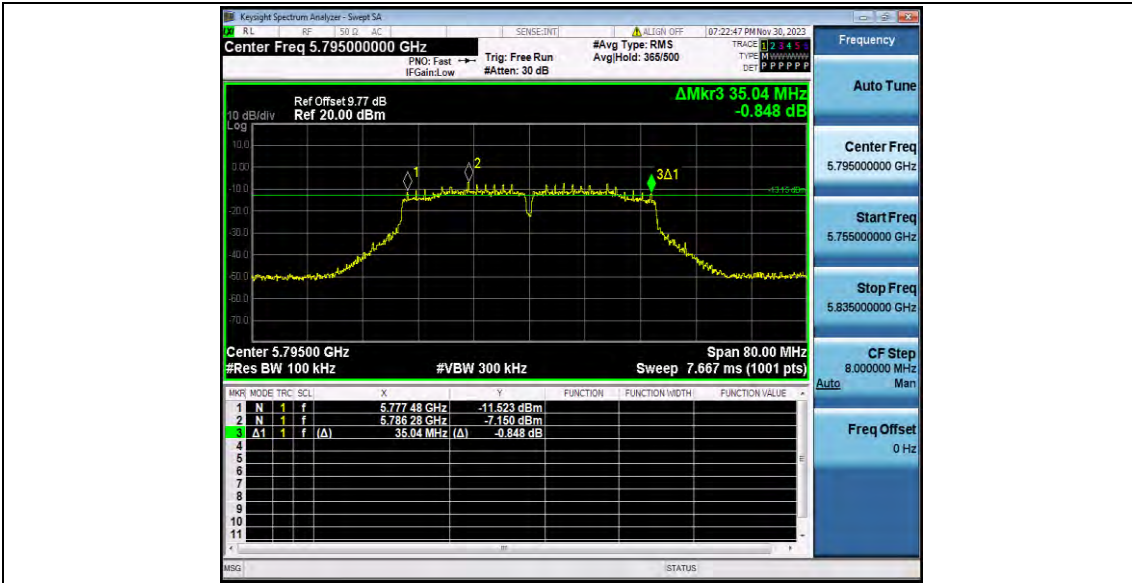
11N20SISO_Ant1_5785



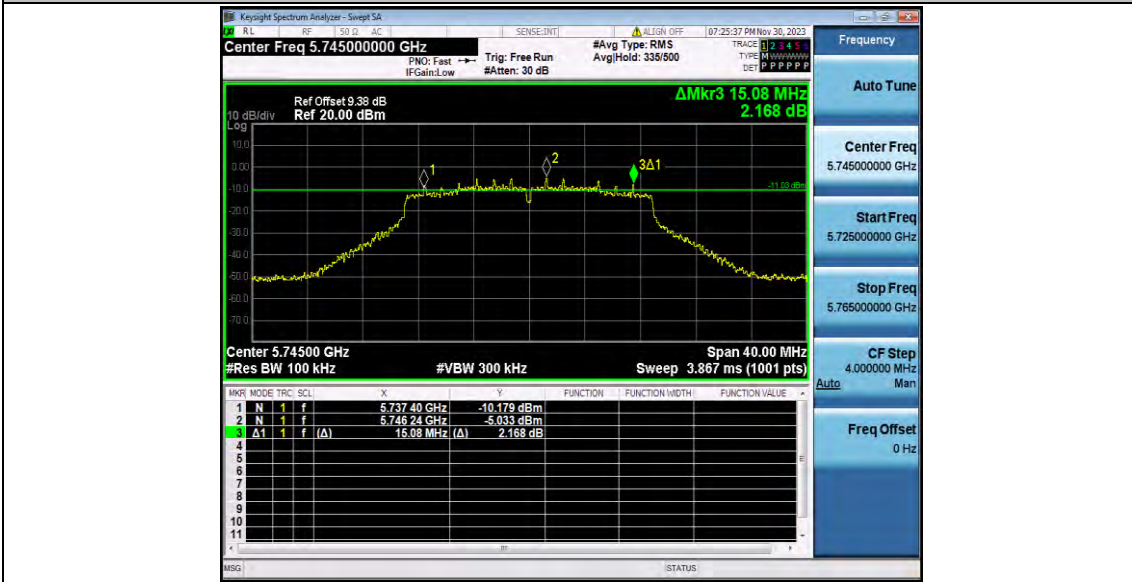
11N20SISO_Ant1_5825



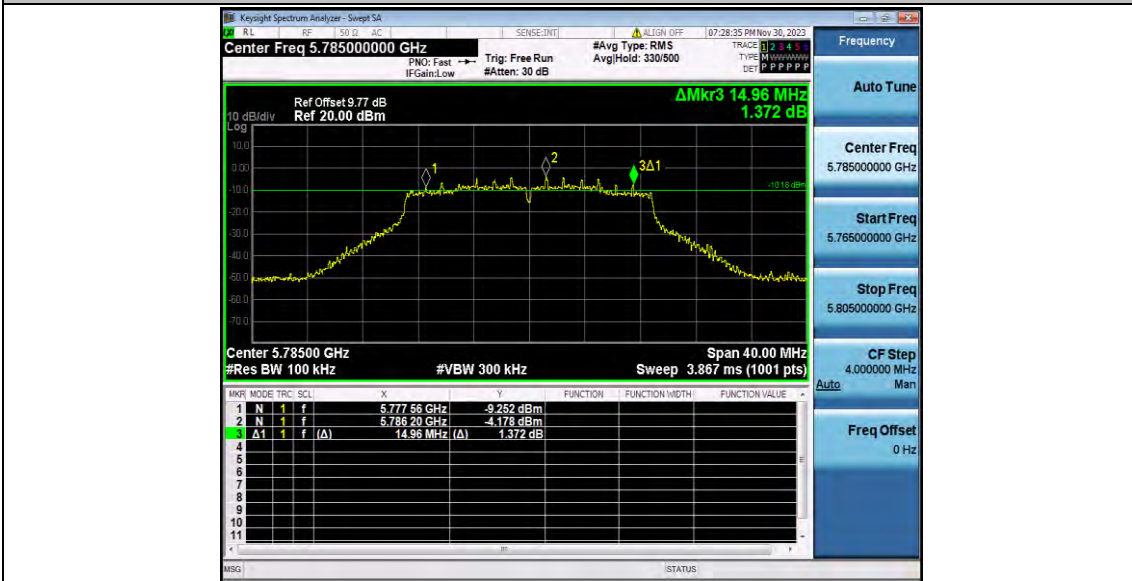
11N40SISO_Ant1_5755



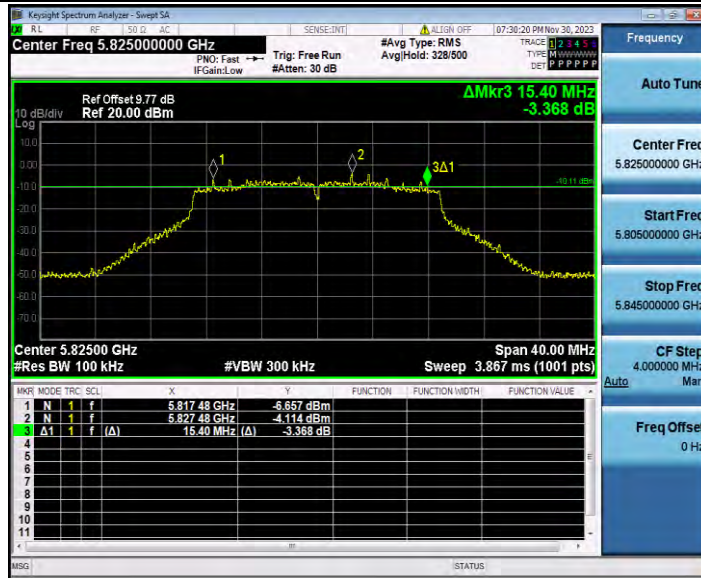
11N40SISO_Ant1_5795



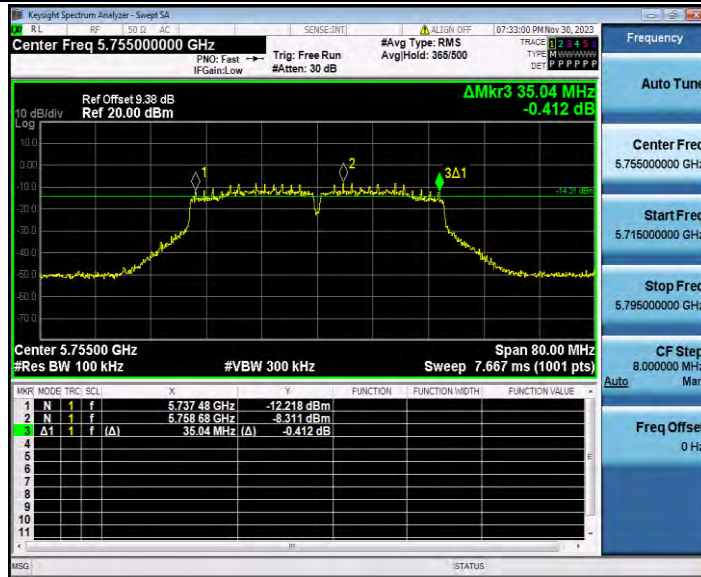
11AC20SISO_Ant1_5745



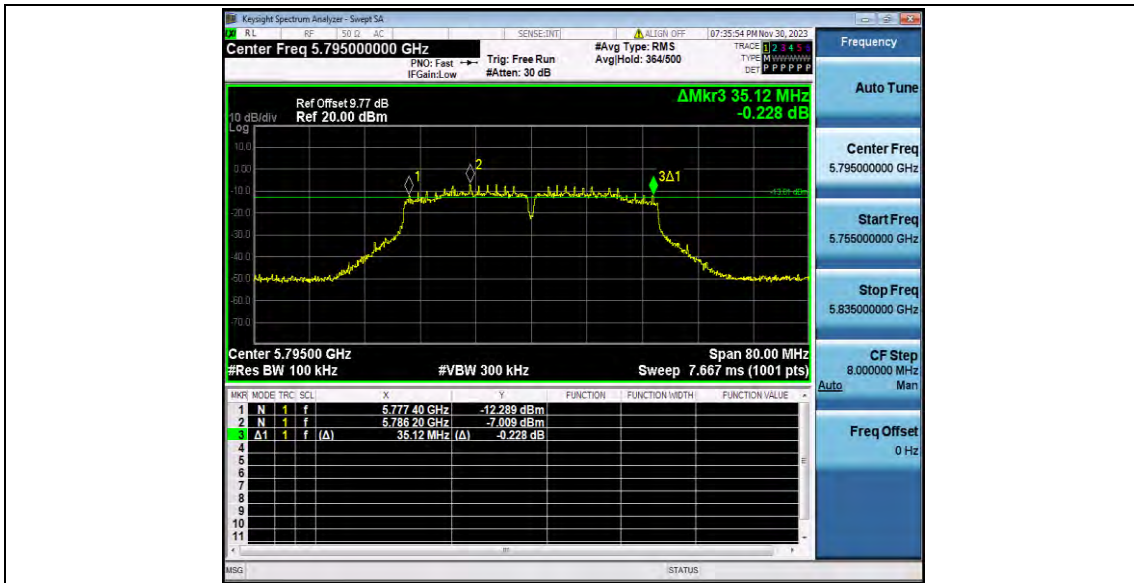
11AC20SISO_Ant1_5785



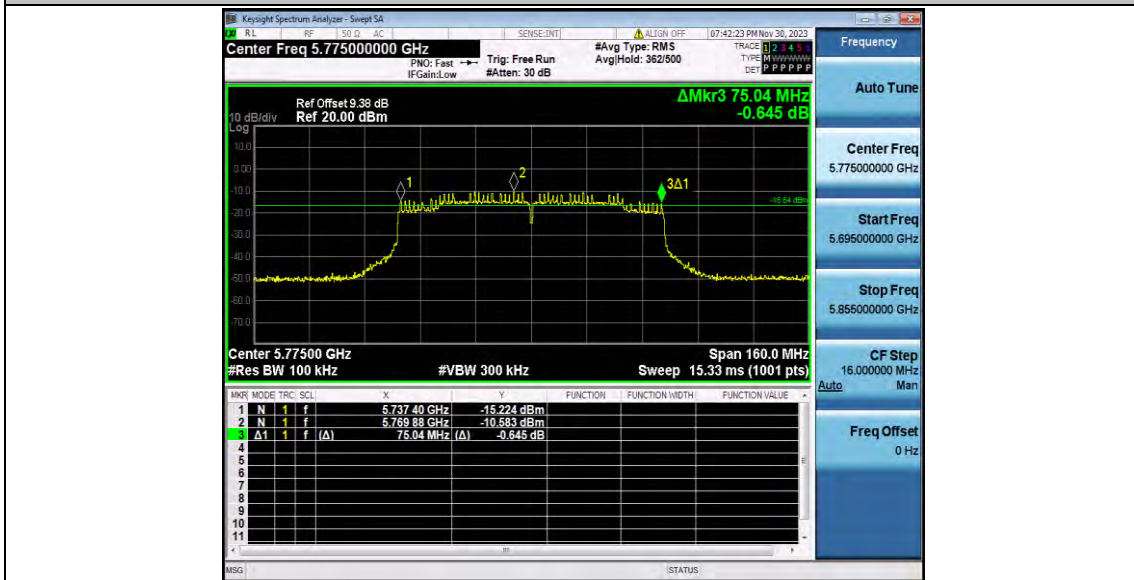
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



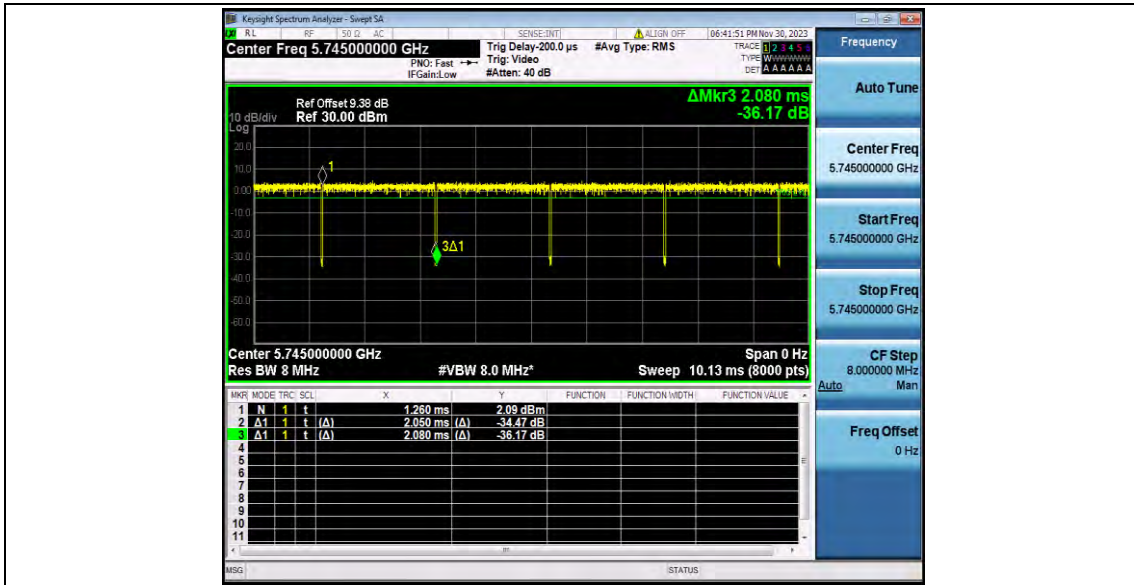
11AC80SISO_Ant1_5775

Appendix E.3: Duty Cycle

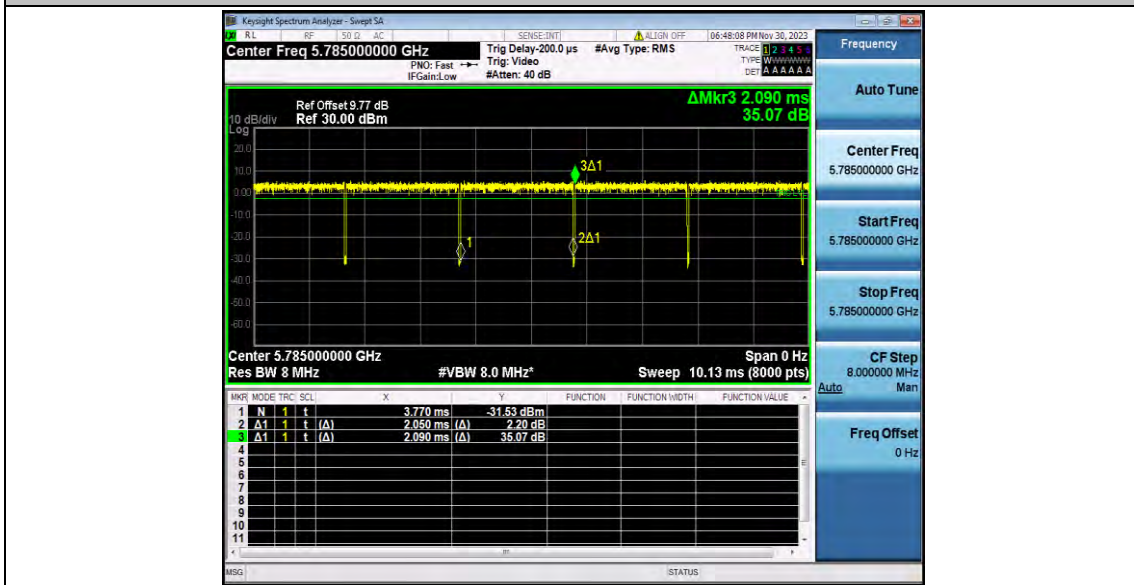
Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	2.05	2.08	98.56
		5785	2.05	2.09	98.09
		5825	2.05	2.08	98.56
11N20SISO	Ant1	5745	1.91	1.95	97.95
		5785	1.91	1.95	97.95
		5825	1.91	1.95	97.95
11N40SISO	Ant1	5755	0.94	0.98	95.92
		5795	0.93	0.97	95.88
11AC20SISO	Ant1	5745	1.92	1.96	97.96
		5785	1.91	1.96	97.45
		5825	1.92	1.96	97.96
11AC40SISO	Ant1	5755	0.94	0.98	95.92
		5795	0.94	0.98	95.92
11AC80SISO	Ant1	5775	0.46	0.50	92.00

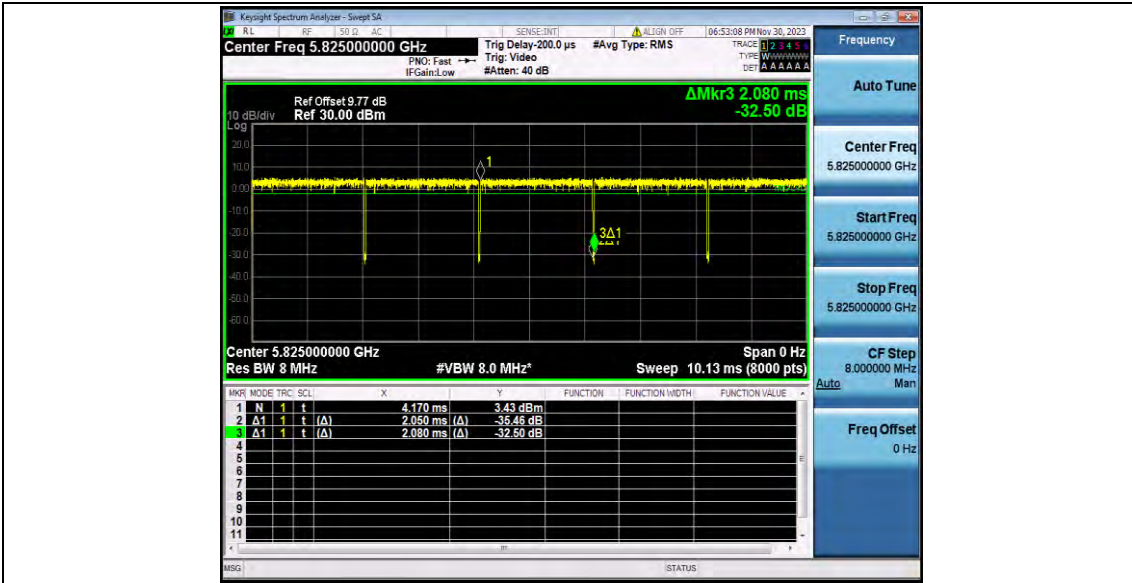
Test Graphs



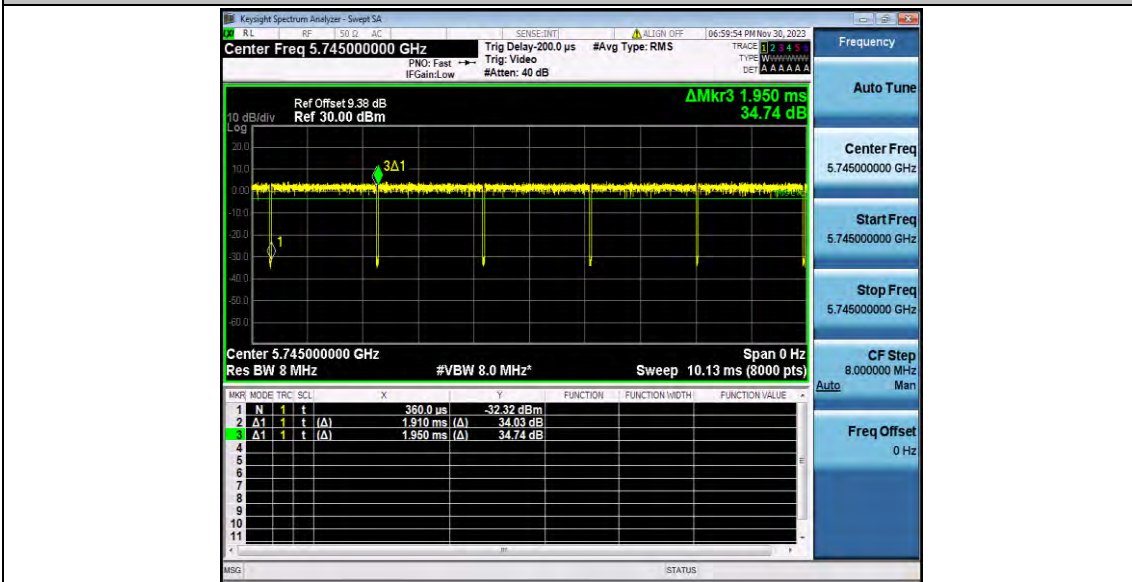
11A_Ant1_5745



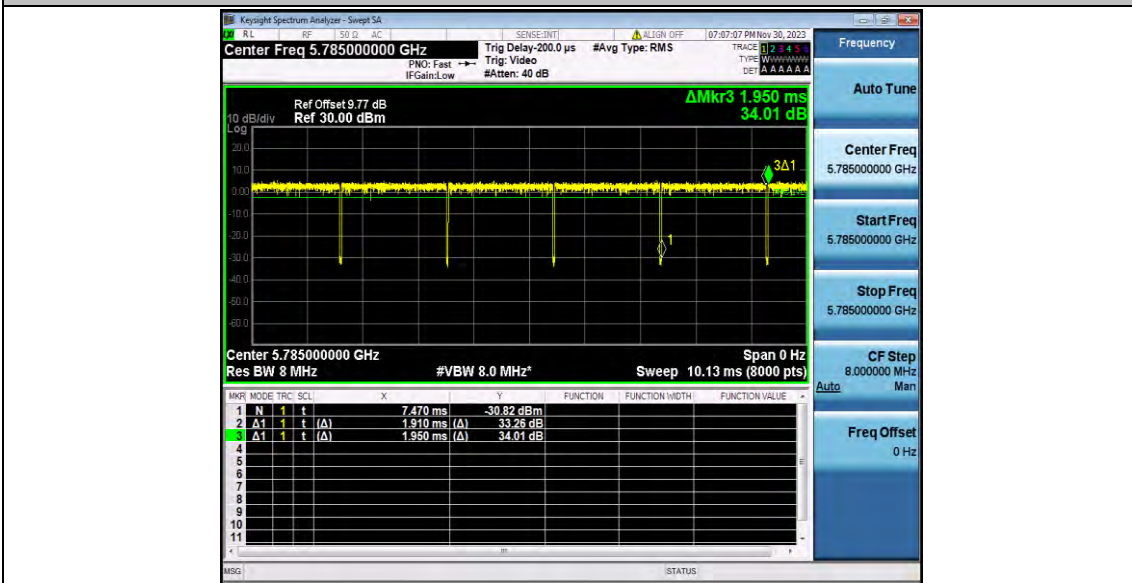
11A_Ant1_5785



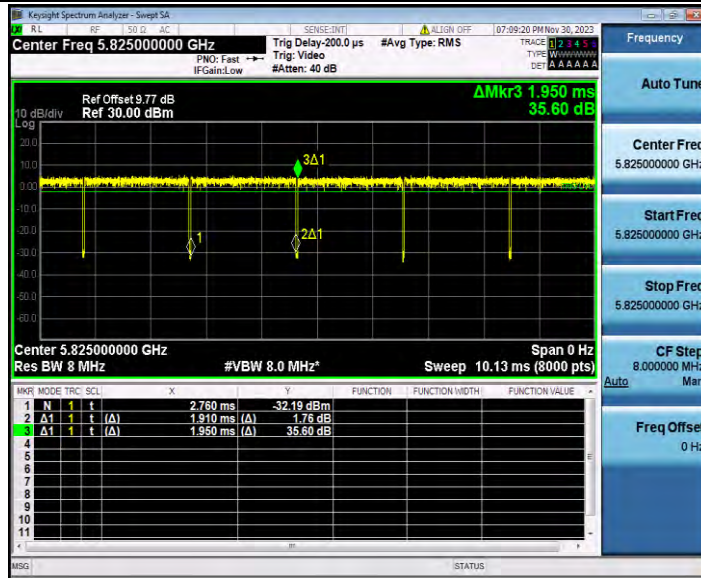
11A_Ant1_5825



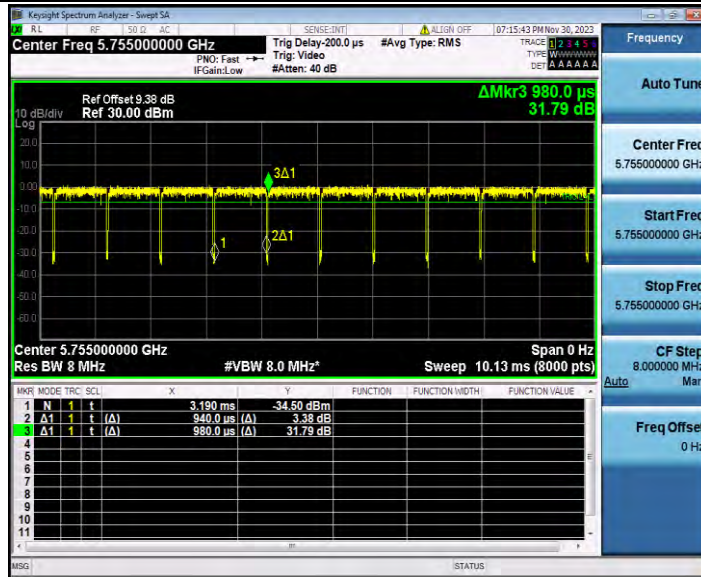
11N20SISO_Ant1_5745



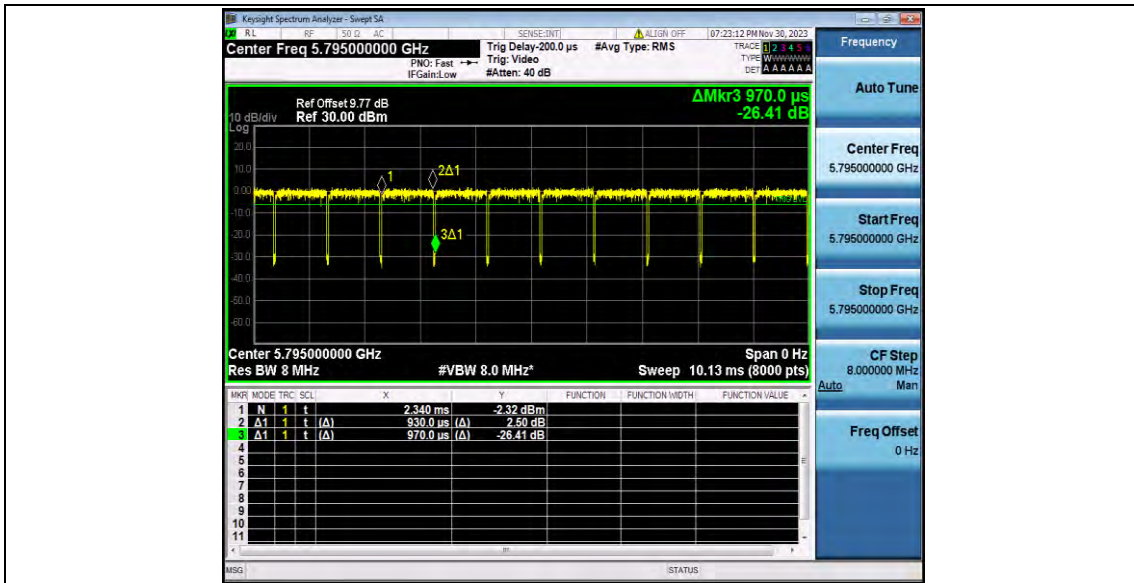
11N20SISO_Ant1_5785



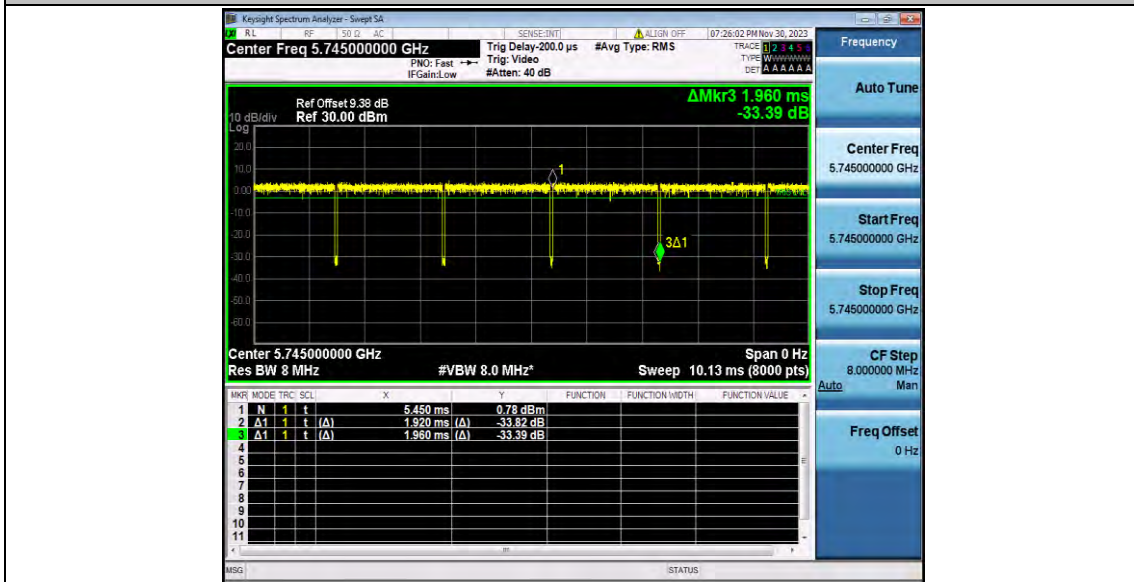
11N20SISO_Ant1_5825



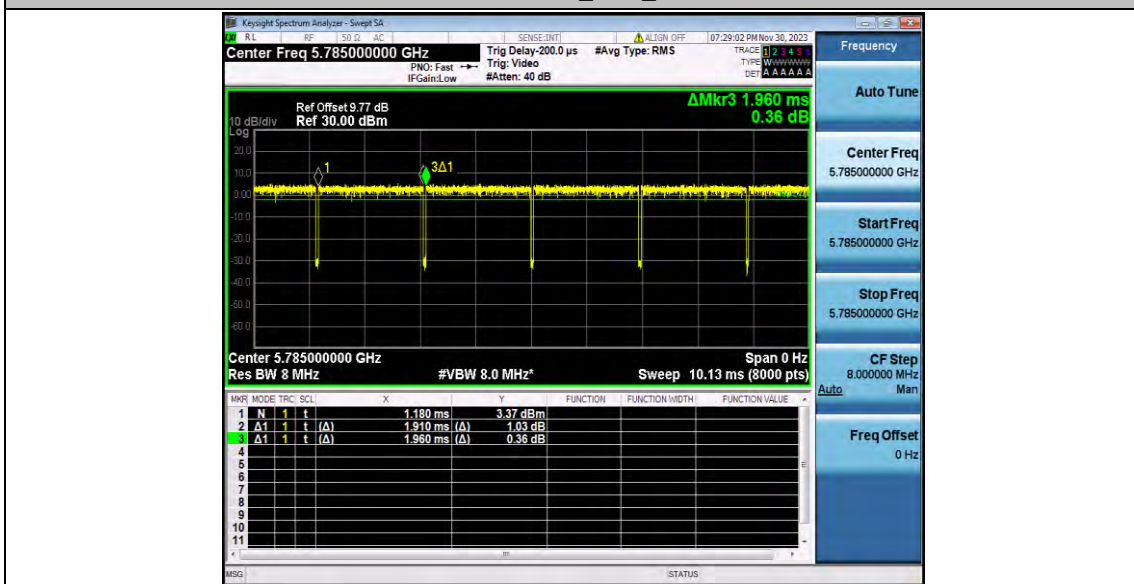
11N40SISO_Ant1_5755



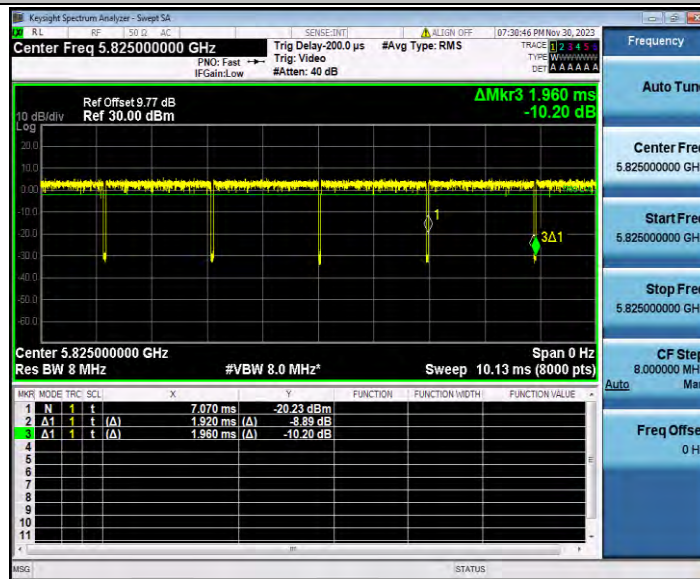
11N40SISO_Ant1_5795



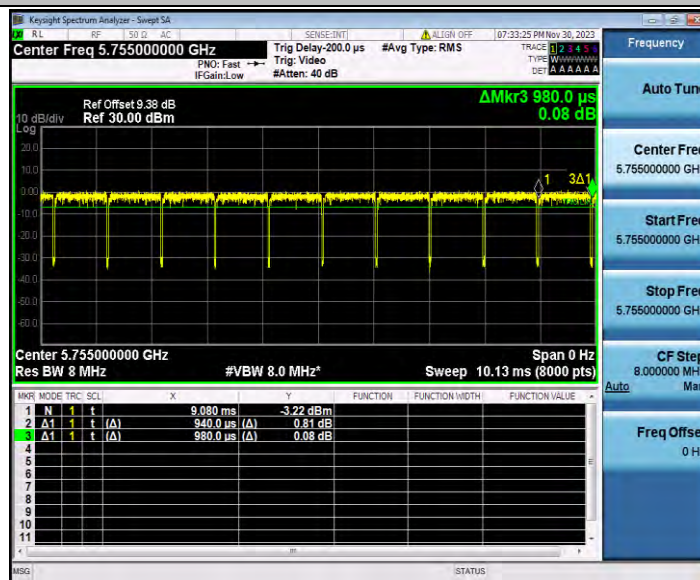
11AC20SISO_Ant1_5745



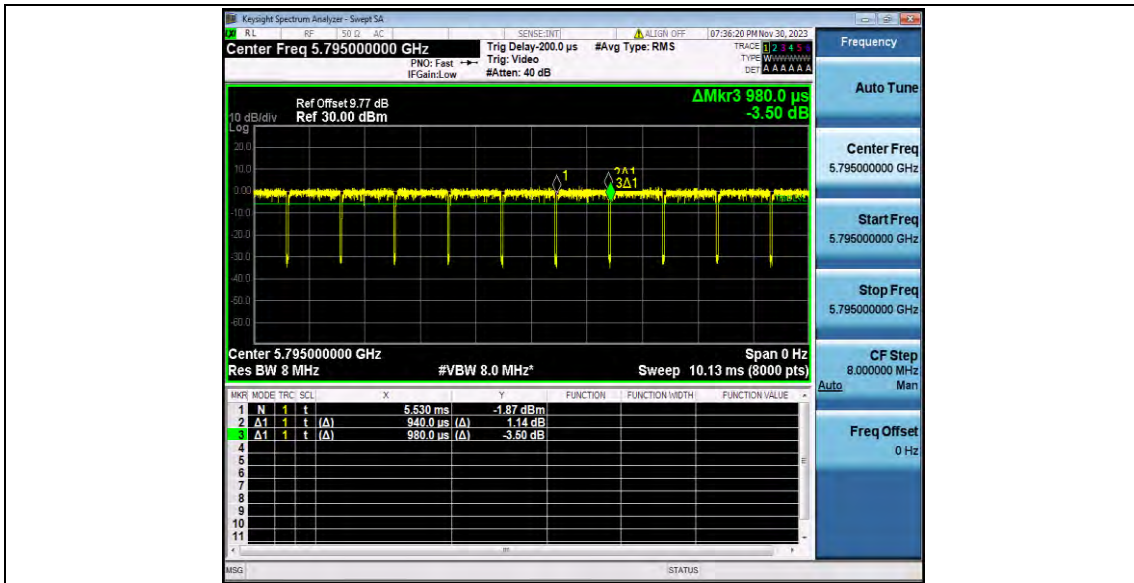
11AC20SISO_Ant1_5785



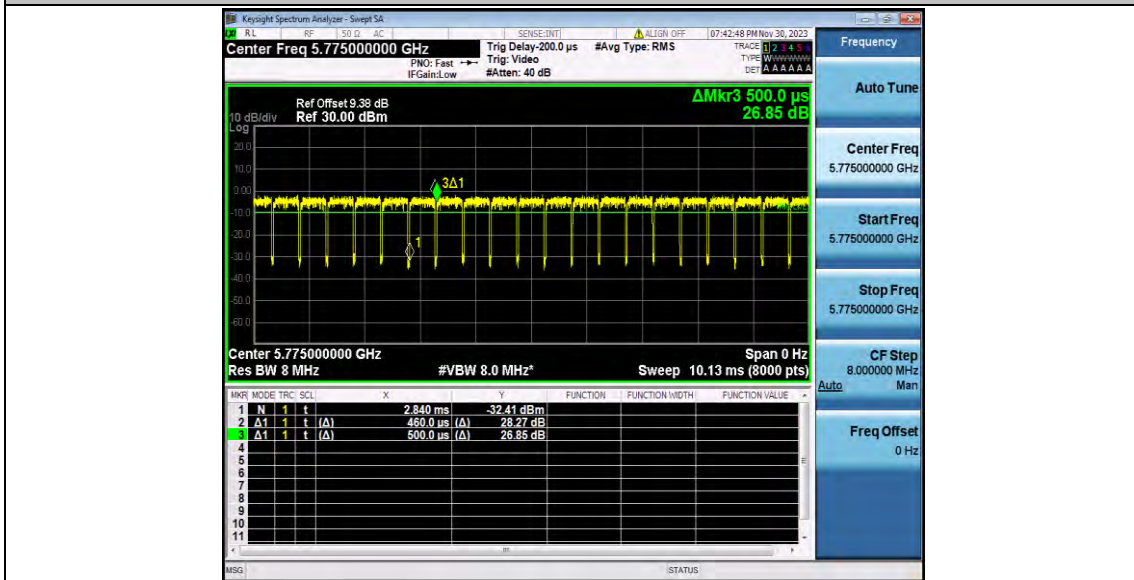
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

Appendix E.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	8.51	98.56	0.06	8.57	≤30.00	PASS
		5785	8.34	98.09	0.08	8.42	≤30.00	PASS
		5825	8.63	98.56	0.06	8.69	≤30.00	PASS
11N20SISO	Ant1	5745	8.49	97.95	0.09	8.58	≤30.00	PASS
		5785	8.38	97.95	0.09	8.47	≤30.00	PASS
		5825	8.89	97.95	0.09	8.98	≤30.00	PASS
11N40SISO	Ant1	5755	8.53	95.92	0.18	8.71	≤30.00	PASS
		5795	8.38	95.88	0.18	8.56	≤30.00	PASS
11AC20SIS O	Ant1	5745	8.59	97.96	0.09	8.68	≤30.00	PASS
		5785	8.50	97.45	0.11	8.61	≤30.00	PASS
		5825	8.75	97.96	0.09	8.84	≤30.00	PASS
11AC40SIS O	Ant1	5755	8.45	95.92	0.18	8.63	≤30.00	PASS
		5795	8.36	95.92	0.18	8.54	≤30.00	PASS
11AC80SIS O	Ant1	5775	8.83	92.00	0.36	8.19	≤30.00	PASS

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

Appendix E.5: Maximum power spectral density

Test Result

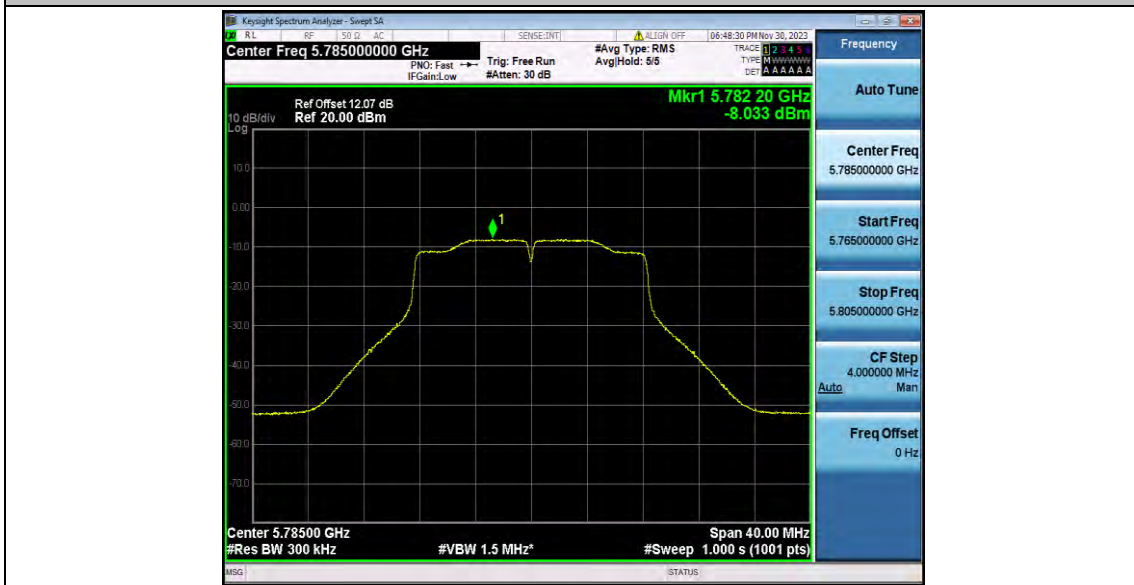
Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-9.05	≤30.00	PASS
		5785	-8.03	≤30.00	PASS
		5825	-7.95	≤30.00	PASS
11N20SISO	Ant1	5745	-9.25	≤30.00	PASS
		5785	-8.33	≤30.00	PASS
		5825	-8.16	≤30.00	PASS
11N40SISO	Ant1	5755	-12.26	≤30.00	PASS
		5795	-11.18	≤30.00	PASS
11AC20SISO	Ant1	5745	-9.21	≤30.00	PASS
		5785	-8.26	≤30.00	PASS
		5825	-8.05	≤30.00	PASS
11AC40SISO	Ant1	5755	-12.39	≤30.00	PASS
		5795	-11.47	≤30.00	PASS
11AC80SISO	Ant1	5775	-14.76	≤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.

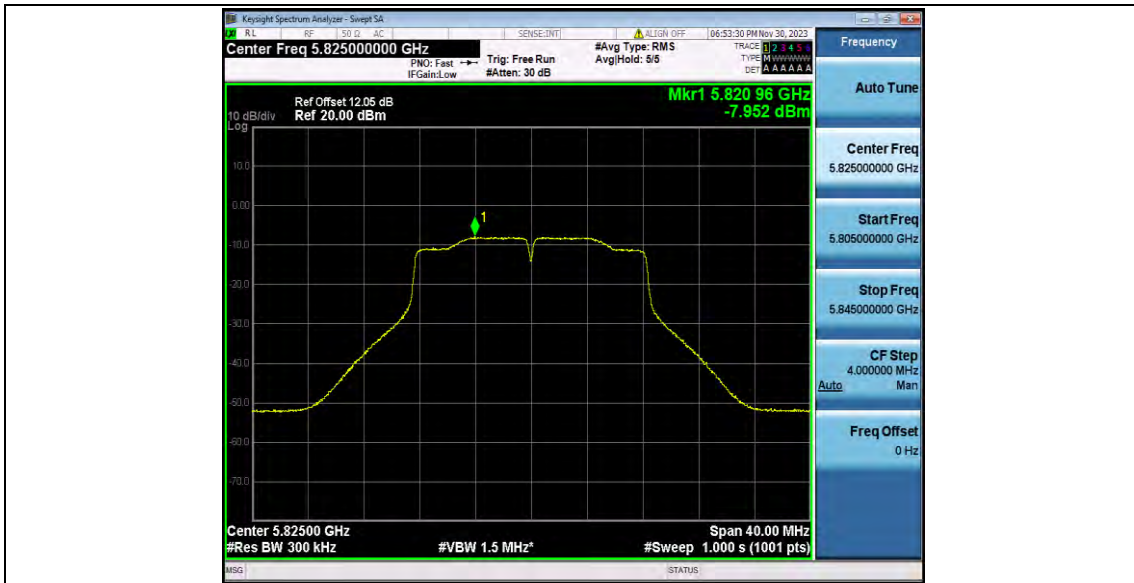
Test Graphs



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 E.6: Band edge measurements

Test Result B4

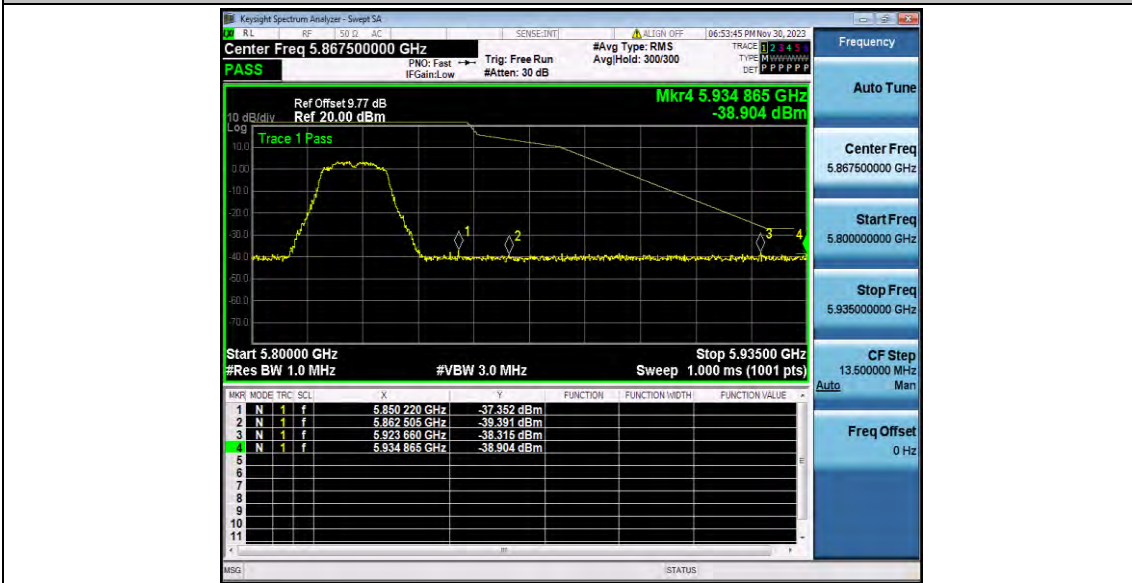
TestMode	Antenna	ChName	Frequency[M Hz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-39.45	≤-9.34	PASS
				5700~5720	-39.23	≤13.44	PASS
				5720~5725	-38.91	≤16.87	PASS
				5760~5650	-40.47	≤-27	PASS
		High	5825	5850~5855	-37.35	≤16.10	PASS
				5855~5875	-39.39	≤12.10	PASS
				5875~5925	-38.32	≤9.01	PASS
5925~5935	-38.9	≤-27	PASS				
11N20SIS O	Ant1	Low	5745	5650~5700	-38.89	≤9.30	PASS
				5700~5720	-39.36	≤11.05	PASS
				5720~5725	-39.6	≤18.96	PASS
				5760~5650	-40.22	≤-27	PASS
		High	5825	5850~5855	-39.03	≤21.64	PASS
				5855~5875	-38.27	≤10.59	PASS
				5875~5925	-38.08	≤-12.27	PASS
5925~5935	-39.07	≤-27	PASS				
11N40SIS O	Ant1	Low	5755	5650~5700	-38.65	≤-4.83	PASS
				5700~5720	-39.18	≤14.90	PASS
				5720~5725	-39.7	≤20.35	PASS
				5780~5650	-39.76	≤-27	PASS
		High	5795	5850~5855	-38.85	≤20.92	PASS
				5855~5875	-38.35	≤14.94	PASS
				5875~5925	-38.65	≤3.48	PASS
5925~5935	-39.11	≤-27	PASS				
11AC20SI SO	Ant1	Low	5745	5650~5700	-39.09	≤9.81	PASS
				5700~5720	-38.76	≤10.41	PASS
				5720~5725	-40.49	≤21.06	PASS
				5760~5650	-39.83	≤-27	PASS
		High	5825	5850~5855	-38.48	≤16.41	PASS
				5855~5875	-38.41	≤11.46	PASS
				5875~5925	-38.17	≤6.71	PASS
5925~5935	-38.73	≤-27	PASS				
11AC40SI SO	Ant1	Low	5755	5650~5700	-39.11	≤-5.13	PASS
				5700~5720	-39.42	≤15.01	PASS
				5720~5725	-38.58	≤16.04	PASS

				5780~5650	-40.88	≤ -27	PASS
		High	5795	5850~5855	-38.92	≤ 18.67	PASS
				5855~5875	-38.62	≤ 14.89	PASS
				5875~5925	-38.74	≤ -5.55	PASS
				5925~5935	-38.57	≤ -27	PASS
11AC80SI SO	Ant1	Low	5775	5650~5700	-39.06	≤ 3.37	PASS
				5700~5720	-38.83	≤ 10.66	PASS
				5720~5725	-37.19	≤ 26.60	PASS
				5800~5650	-40.37	≤ -27	PASS
		High	5775	5850~5855	-38.91	≤ 20.86	PASS
				5855~5875	-38.19	≤ 11.42	PASS
				5875~5925	-38.65	≤ -26.82	PASS
				5925~5935	-39.3	≤ -27	PASS

Test Graphs B4



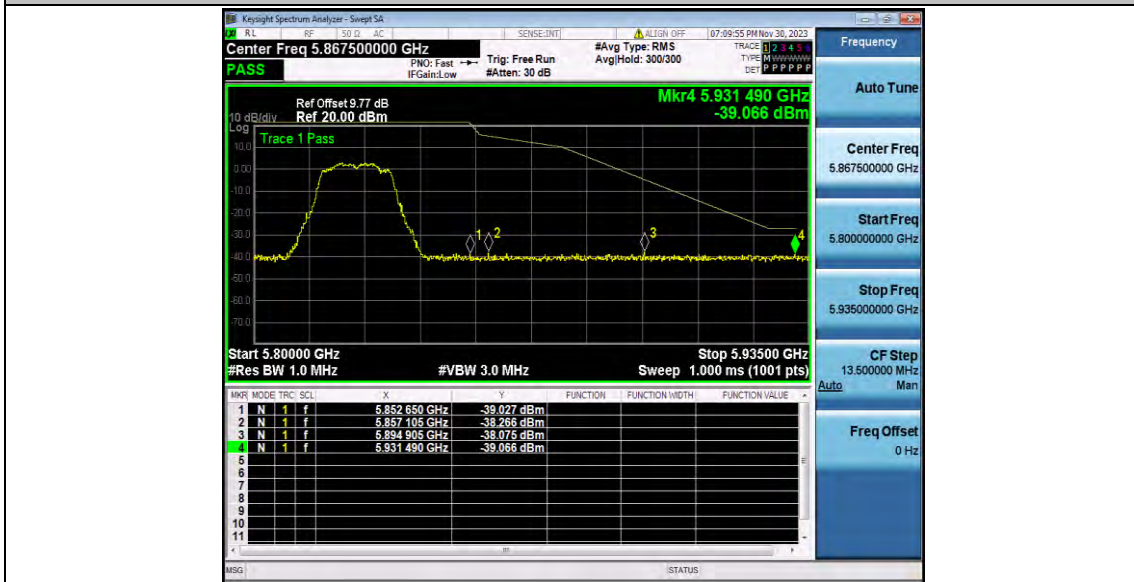
11A_Ant1_Low_5745



11A_Ant1_High_5825



11N20SISO_Ant1_Low_5745



11N20SISO_Ant1_High_5825



11N40SISO_Ant1_Low_5755



11N40SISO_Ant1_High_5795



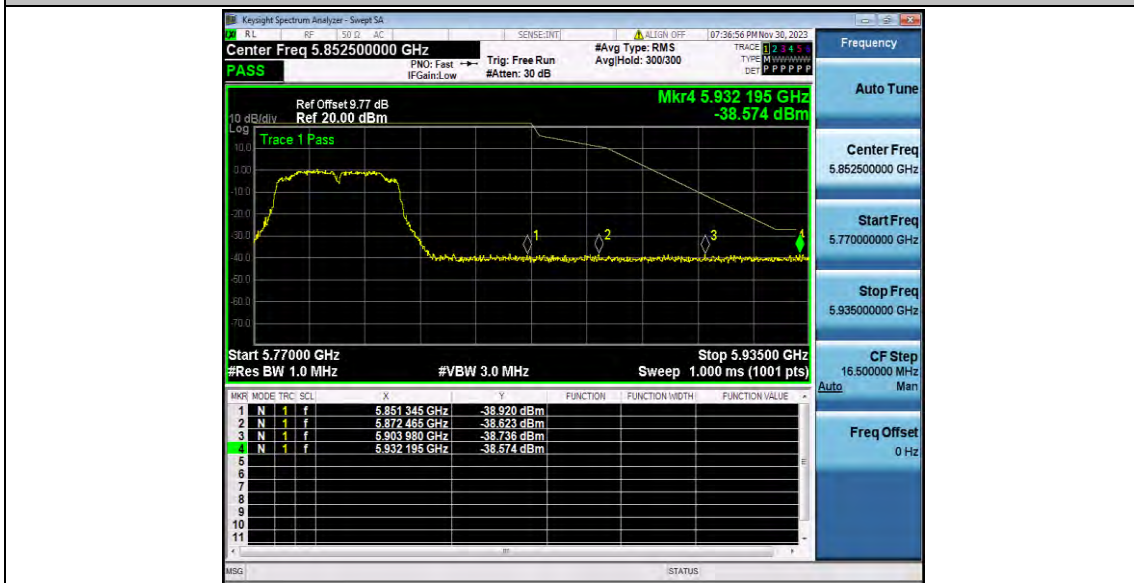
11AC20SISO_Ant1_Low_5745



11AC20SISO_Ant1_High_5825



11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775

Appendix E.7: Conducted Spurious Emission

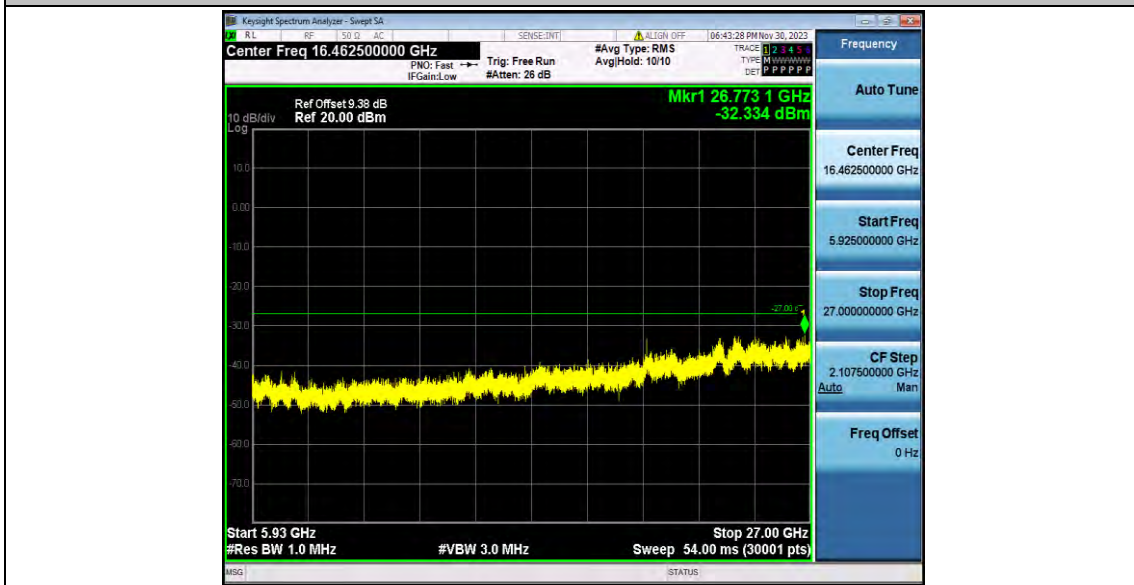
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5463.98	-41.21	≤-27	PASS
			5925~40000	26773.09	-32.33	≤-27	PASS
		5785	30~5650	2676.83	-40.71	≤-27	PASS
			5925~40000	24223.02	-32.04	≤-27	PASS
		5825	30~5650	3041.95	-40.42	≤-27	PASS
			5925~40000	25471.36	-32.3	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5472.6	-41.03	≤-27	PASS
			5925~40000	24225.83	-32.95	≤-27	PASS
		5785	30~5650	5482.34	-40.57	≤-27	PASS
			5925~40000	26962.07	-32.03	≤-27	PASS
		5825	30~5650	5427.45	-40.82	≤-27	PASS
			5925~40000	25225.49	-31.42	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	3553.18	-40.87	≤-27	PASS
			5925~40000	26558.13	-32.38	≤-27	PASS
		5795	30~5650	5446.93	-40.38	≤-27	PASS
			5925~40000	23535.27	-32.68	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5428.38	-41.36	≤-27	PASS
			5925~40000	23565.48	-32	≤-27	PASS
		5785	30~5650	5438.13	-40.54	≤-27	PASS
			5925~40000	25696.86	-32.21	≤-27	PASS
		5825	30~5650	5502.76	-40.8	≤-27	PASS
			5925~40000	23640.65	-31.53	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5428.57	-40.87	≤-27	PASS
			5925~40000	26792.76	-32.53	≤-27	PASS
		5795	30~5650	5519.99	-40.79	≤-27	PASS
			5925~40000	24224.42	-32.22	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5059.9	-40.87	≤-27	PASS
			5925~40000	25525.45	-31.97	≤-27	PASS

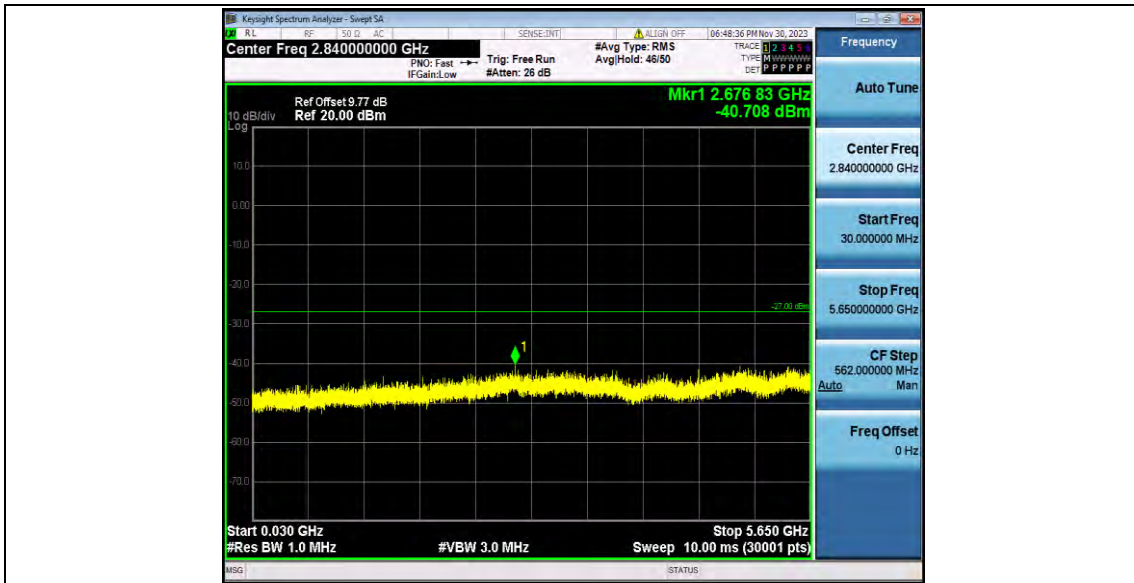
Test Graphs



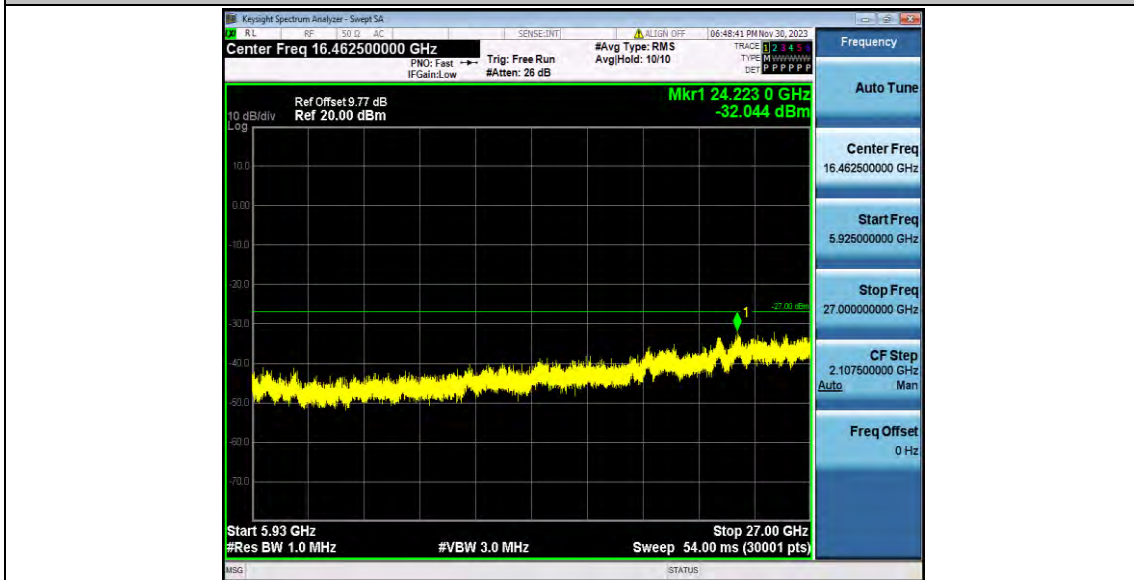
11A_Ant1_5745_30~5650



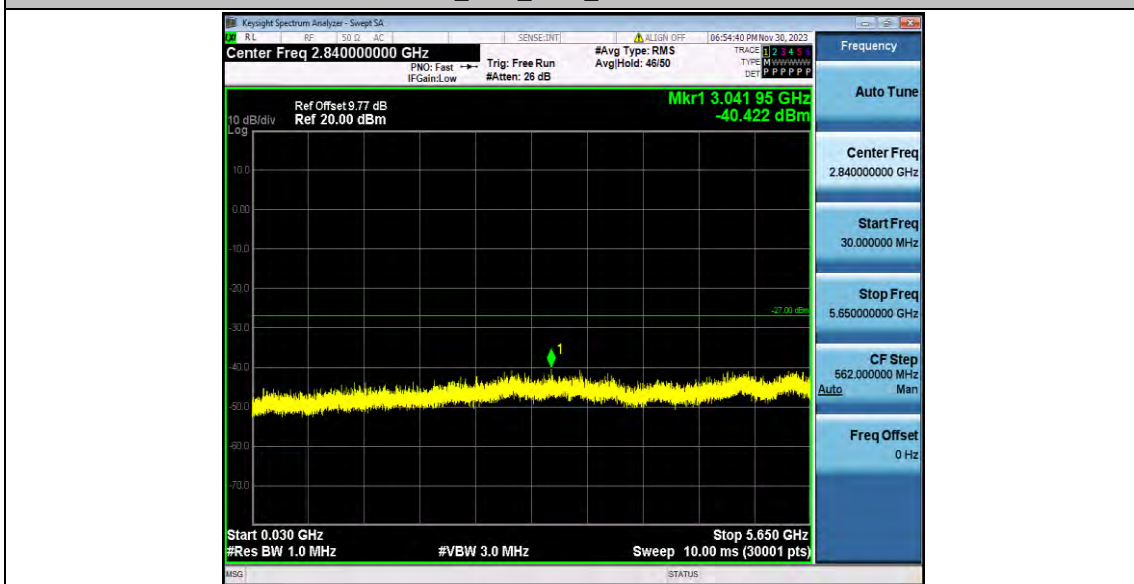
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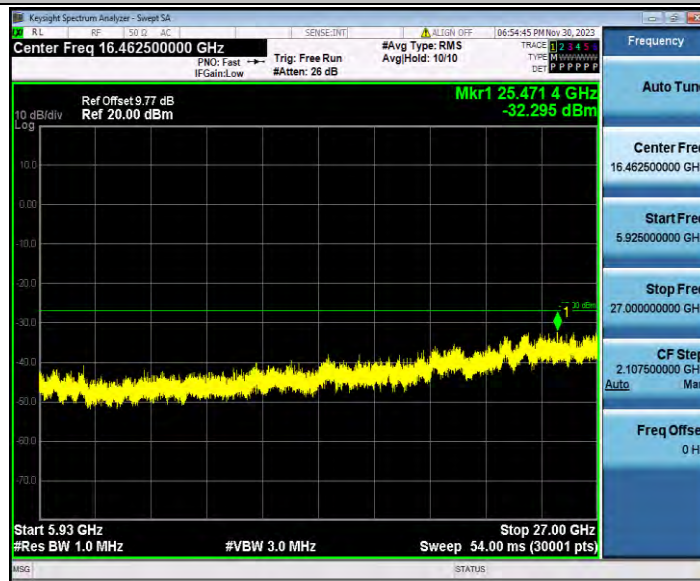
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11A_Ant1_5785_5925~40000



11A_Ant1_5825_30~5650



11A_Ant1_5825_5925~40000



11N20SISO_Ant1_5745_30~5650



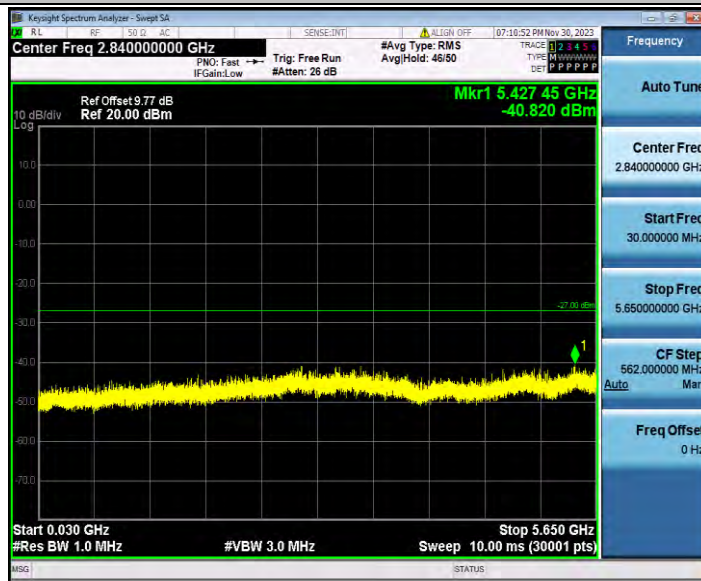
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11N20SISO_Ant1_5785_30~5650



11N20SISO_Ant1_5785_5925~40000



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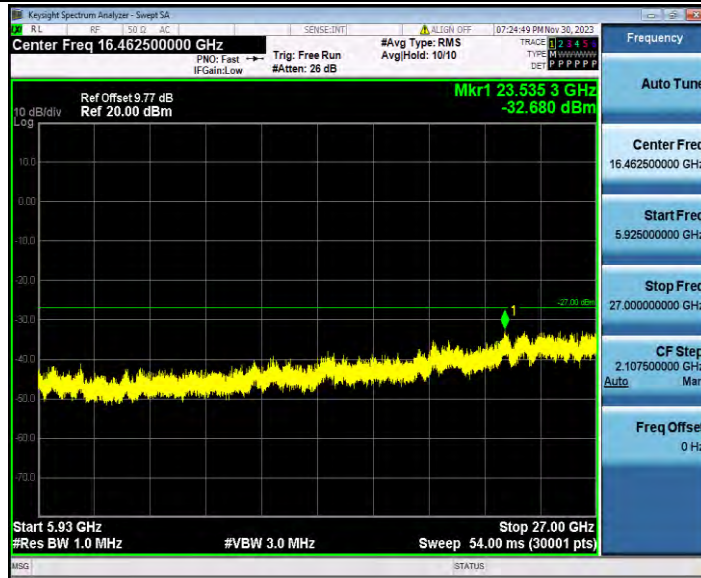
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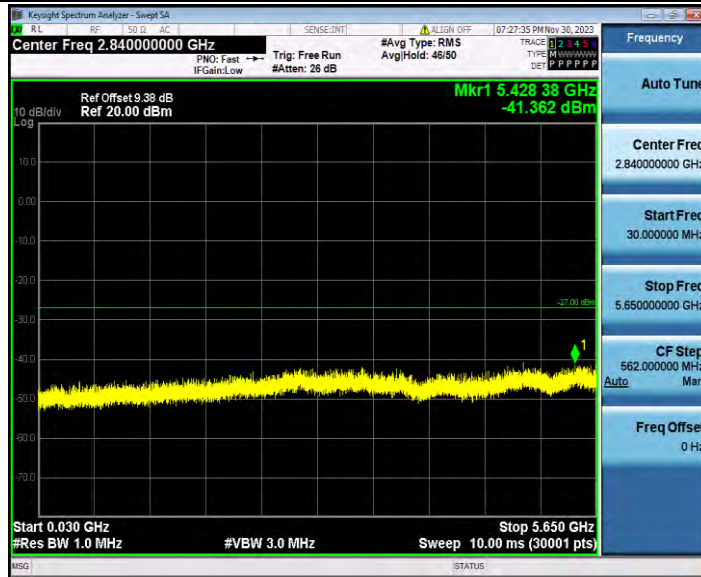
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11N40SISO_Ant1_5795_30~5650



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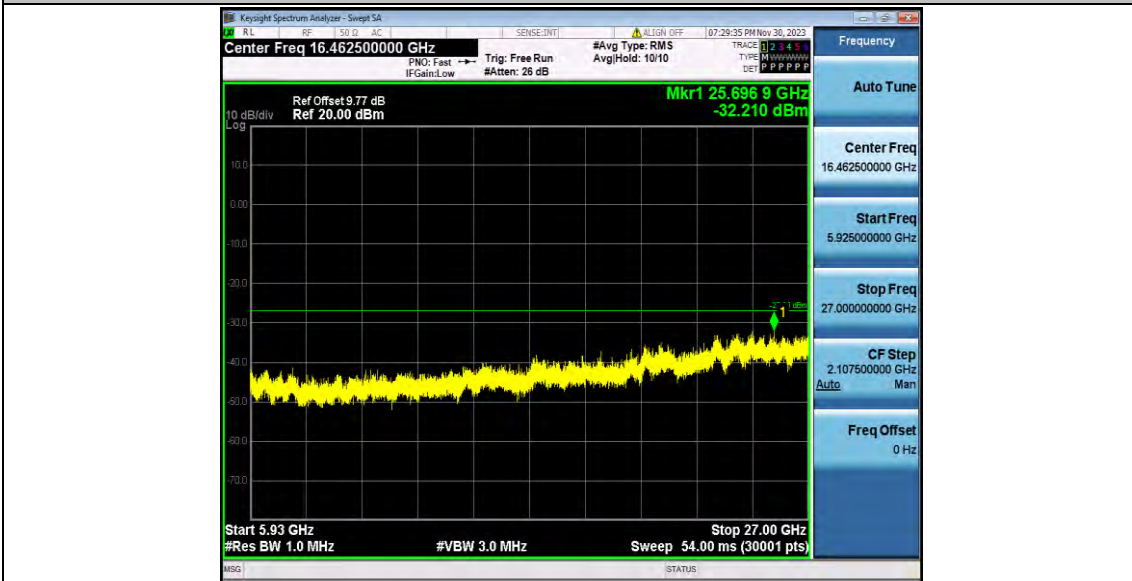
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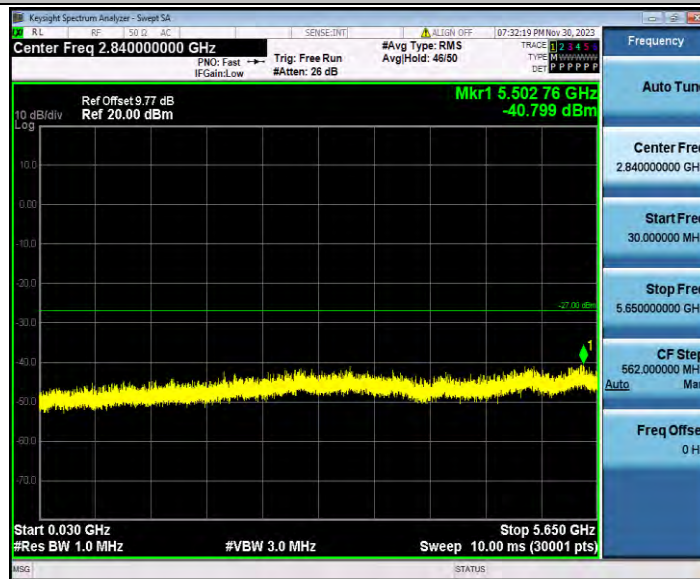
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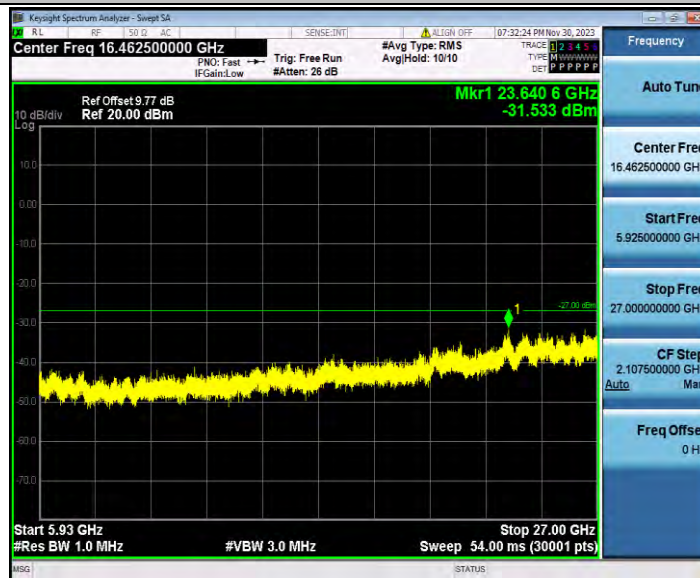
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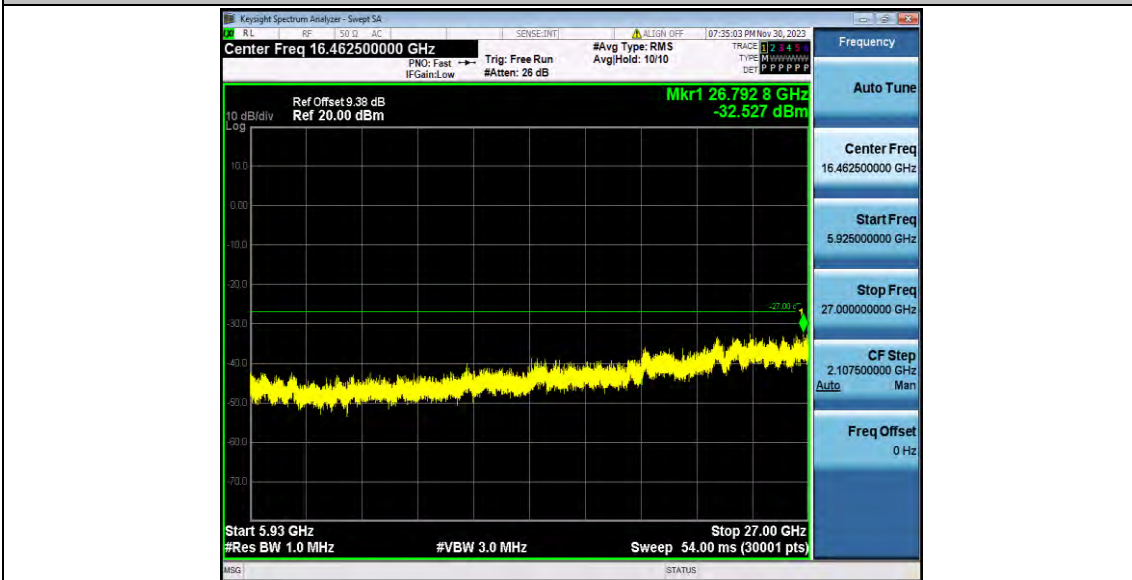
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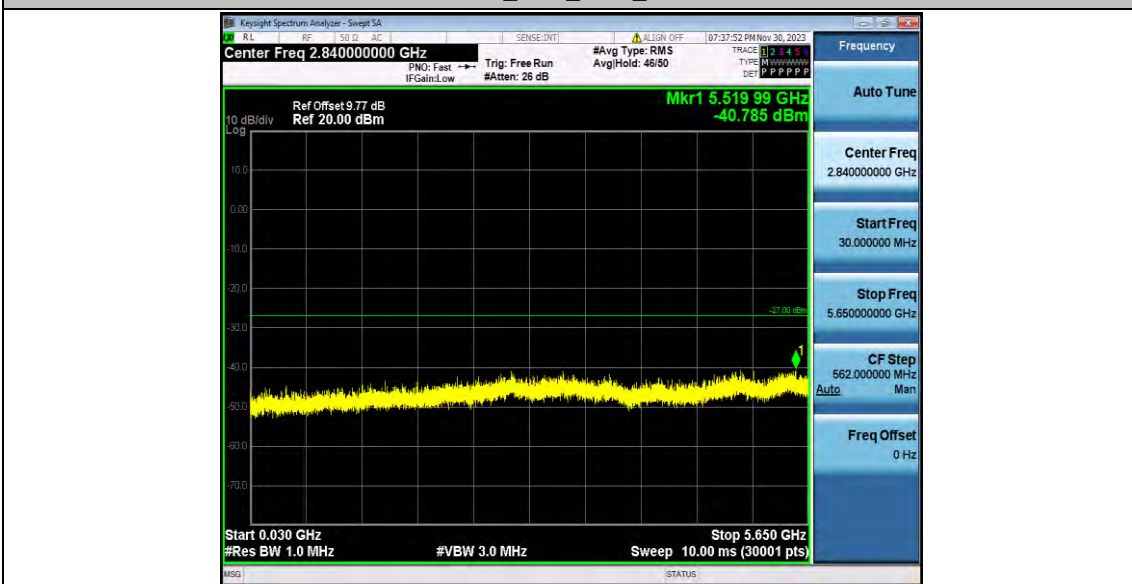
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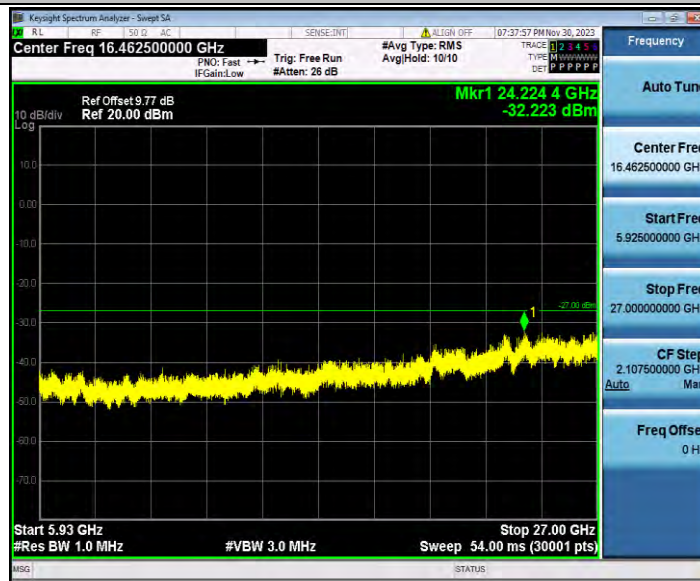
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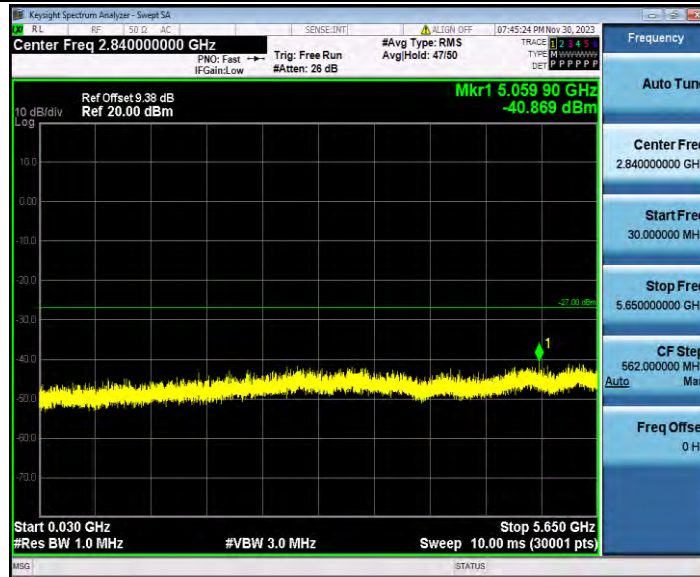
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11AC40SISO_Ant1_5795_30~5650



11AC40SISO_Ant1_5795_5925~40000



11AC80SISO_Ant1_5775_30~5650

