

Case No. : GTS20221216016-1-14	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2023.1.6	Test Engineer: Jenny zeng

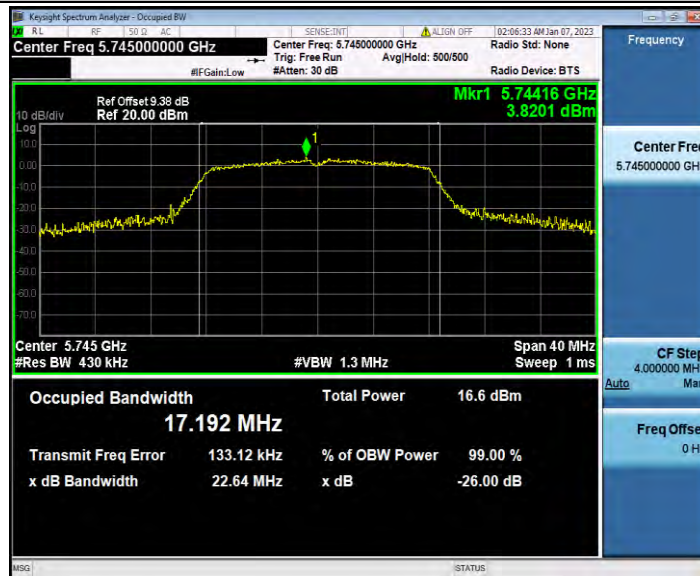
Appendix G.1: Occupied channel bandwidth

Test Result

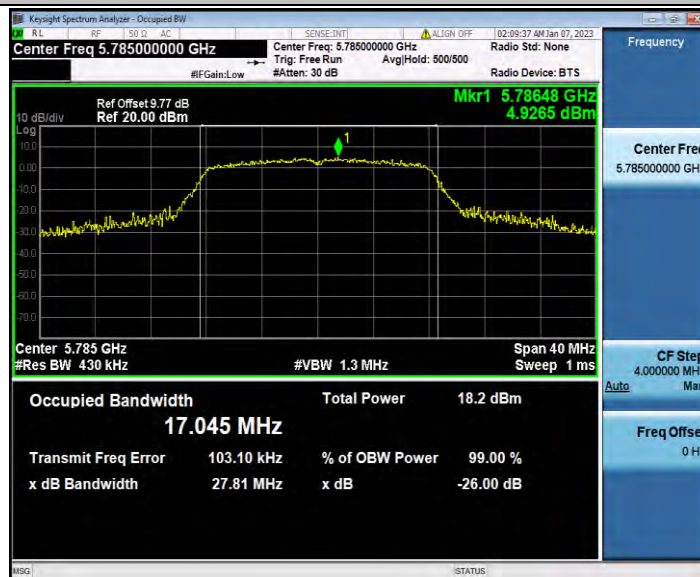
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.192	5736.537	5753.729	---	---
		5785	17.045	5776.581	5793.626	---	---
		5825	17.081	5816.542	5833.623	---	---
11N20SISO	Ant1	5745	18.164	5736.036	5754.200	---	---
		5785	18.073	5776.046	5794.119	---	---
		5825	18.056	5816.035	5834.091	---	---
11N40SISO	Ant1	5755	36.824	5736.916	5773.740	---	---
		5795	36.533	5776.979	5813.512	---	---
11AC20SISO	Ant1	5745	18.024	5736.103	5754.127	---	---
		5785	18.014	5776.116	5794.130	---	---
		5825	18.070	5816.031	5834.101	---	---
11AC40SISO	Ant1	5755	36.512	5736.971	5773.483	---	---
		5795	36.622	5777.005	5813.627	---	---
11AC80SISO	Ant1	5775	75.620	5737.786	5813.406	---	---

Test Graphs

11A_Ant1_5745



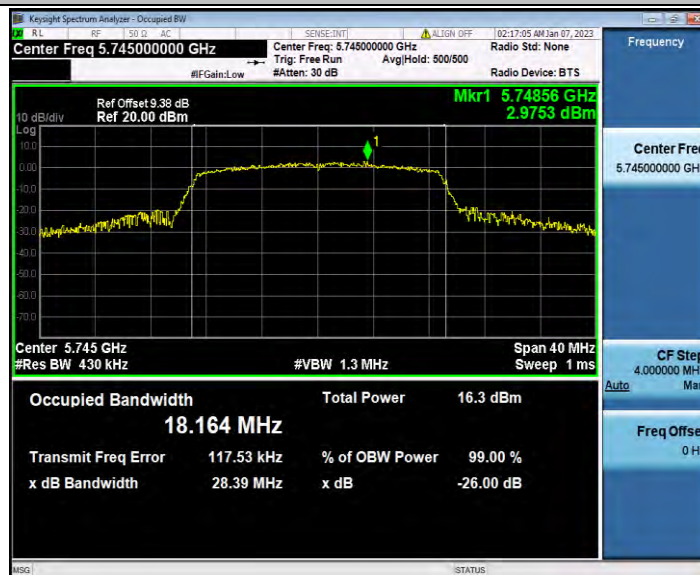
11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



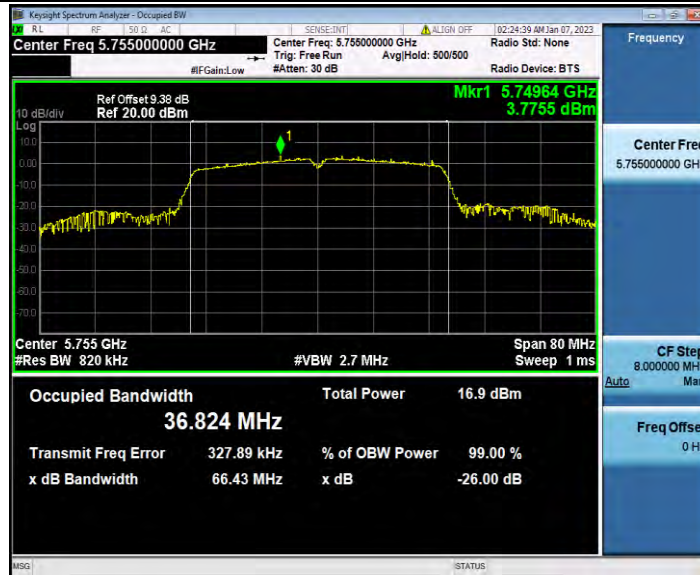
11N20SISO_Ant1_5785



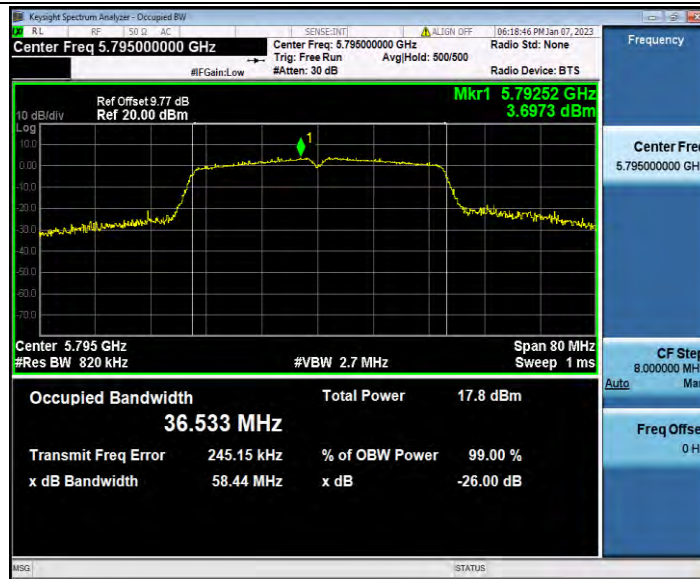
11N20SISO_Ant1_5825



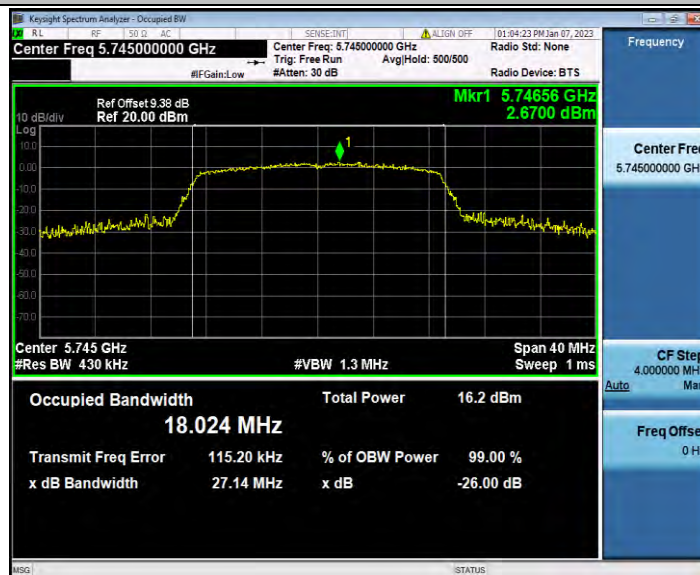
11N40SISO_Ant1_5755



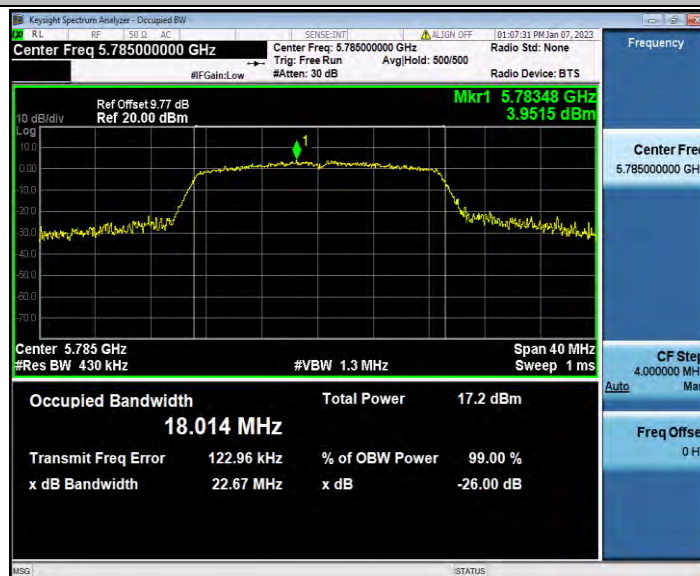
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



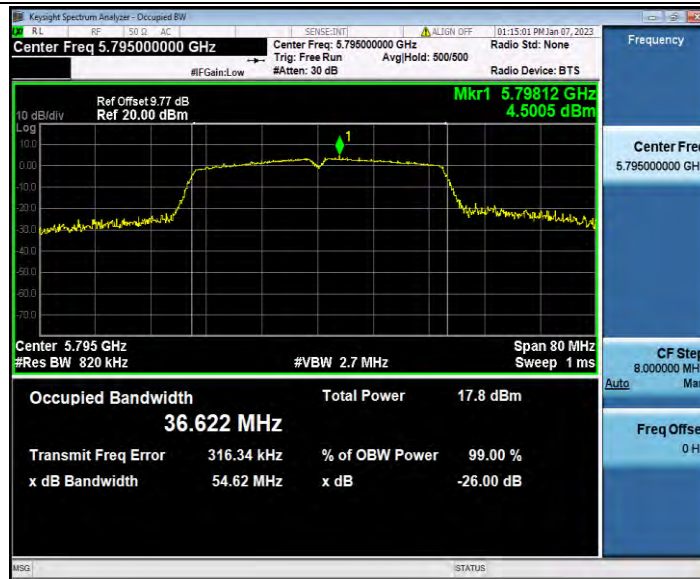
11AC20SISO_Ant1_5825



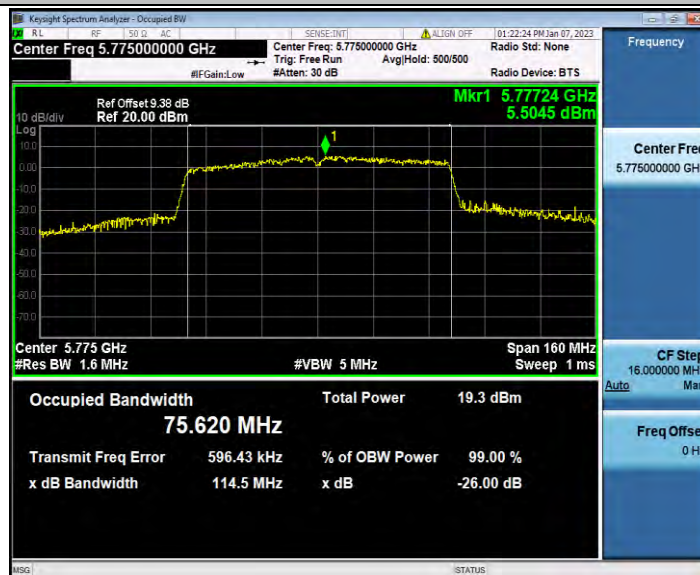
11AC40SISO_Ant1_5755



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	14.800	5737.480	5752.280	0.5	PASS
		5785	12.920	5779.680	5792.600	0.5	PASS
		5825	15.080	5817.480	5832.560	0.5	PASS
11N20SISO	Ant1	5745	15.320	5737.480	5752.800	0.5	PASS
		5785	15.040	5777.520	5792.560	0.5	PASS
		5825	15.040	5817.520	5832.560	0.5	PASS
11N40SISO	Ant1	5755	35.120	5737.480	5772.600	0.5	PASS
		5795	35.120	5777.480	5812.600	0.5	PASS
11AC20SISO	Ant1	5745	15.040	5737.520	5752.560	0.5	PASS
		5785	15.080	5777.480	5792.560	0.5	PASS
		5825	13.920	5817.480	5831.400	0.5	PASS
11AC40SISO	Ant1	5755	35.120	5737.480	5772.600	0.5	PASS
		5795	33.840	5778.760	5812.600	0.5	PASS
11AC80SISO	Ant1	5775	70.080	5742.520	5812.600	0.5	PASS

Test Graphs B4

11A_Ant1_5745



11A_Ant1_5785



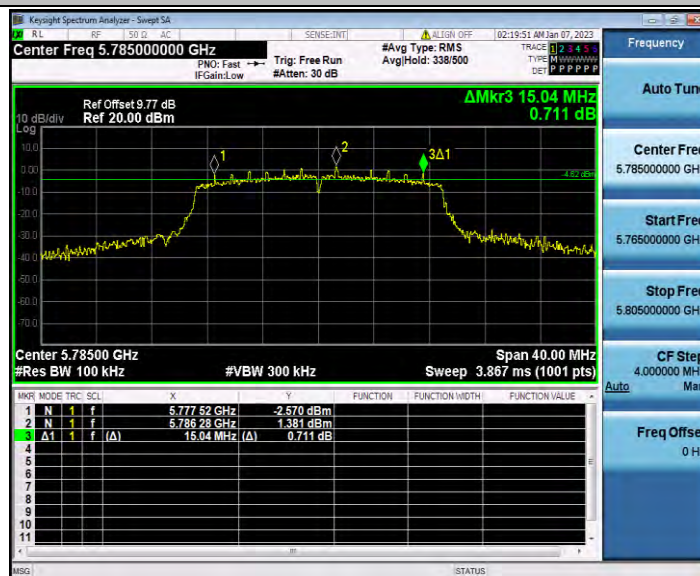
11A_Ant1_5825



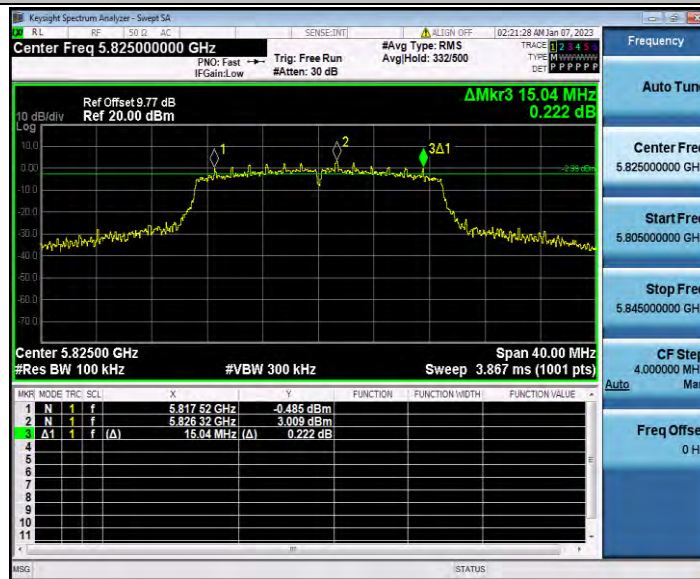
11N20SISO_Ant1_5745



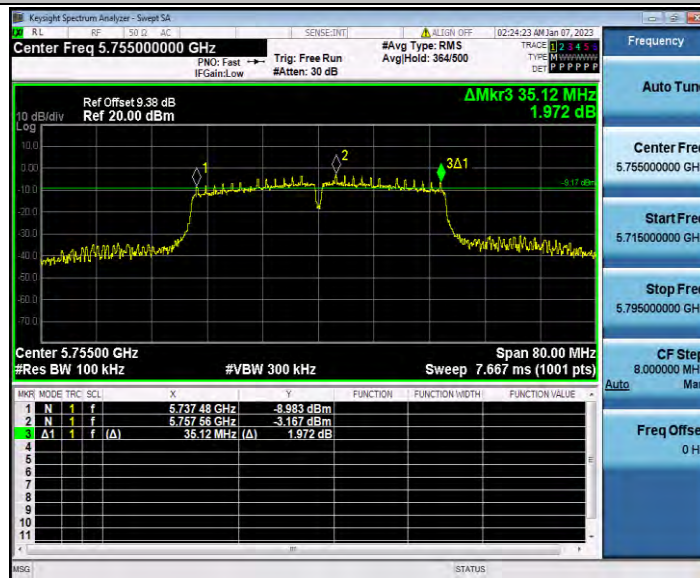
11N20SISO_Ant1_5785



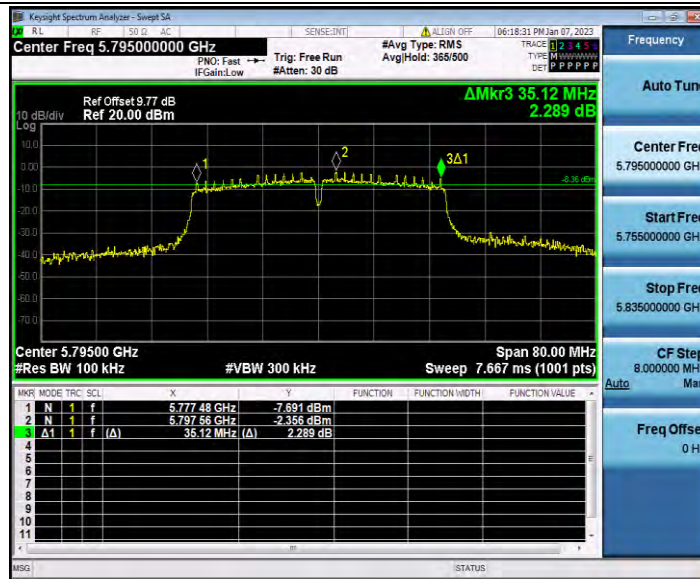
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



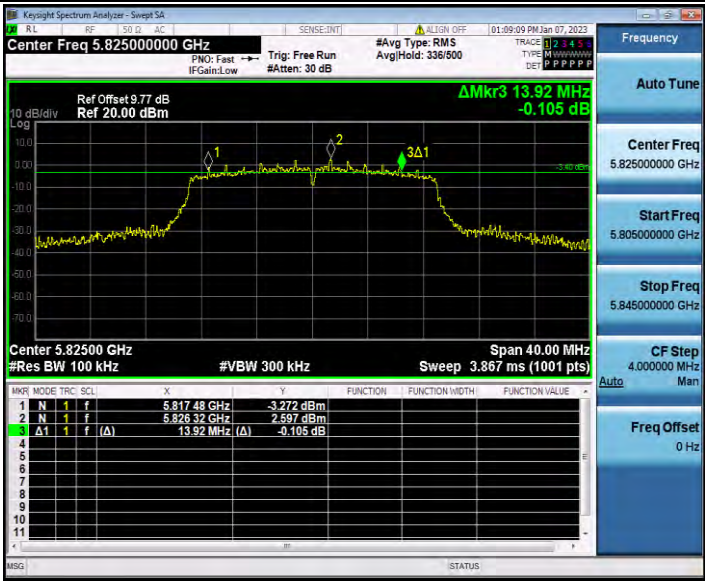
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



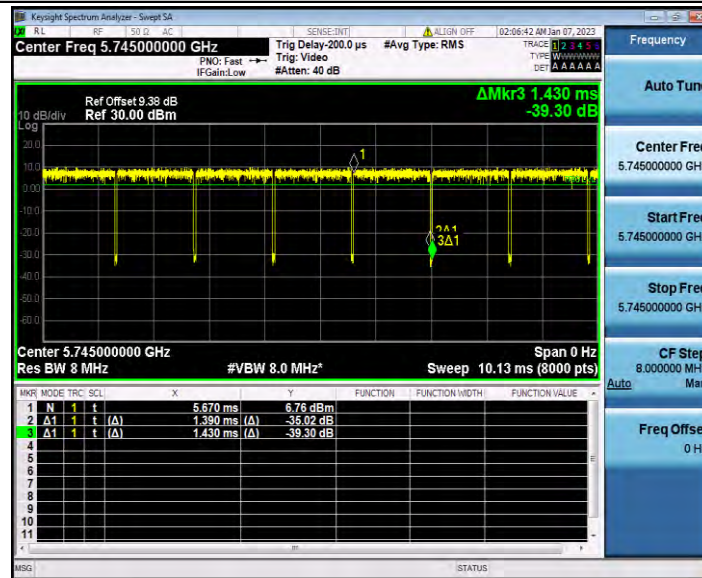
Appendix G.3: Duty Cycle

Test Result

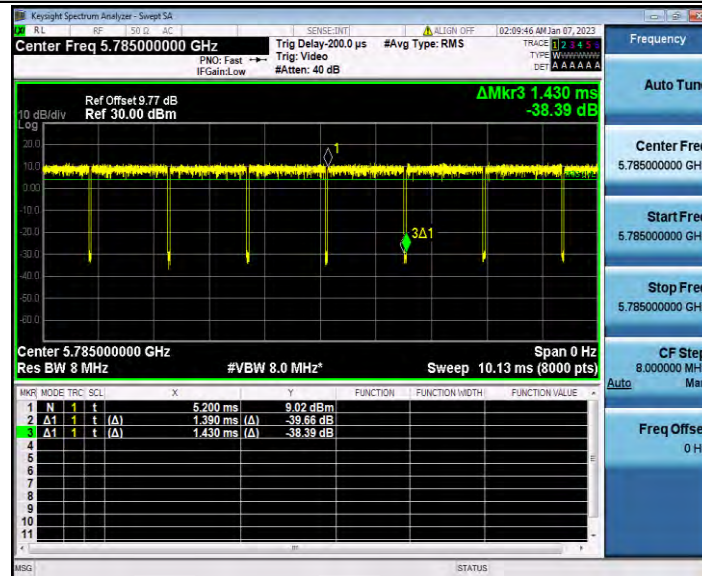
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	1.39	1.43	97.20
		5785	1.39	1.43	97.20
		5825	1.39	1.44	96.53
11N20SISO	Ant1	5745	1.30	1.34	97.01
		5785	1.30	1.35	96.30
		5825	1.30	1.34	97.01
11N40SISO	Ant1	5755	0.65	0.69	94.20
		5795	0.65	0.69	94.20
11AC20SISO	Ant1	5745	1.31	1.36	96.32
		5785	1.31	1.36	96.32
		5825	1.31	1.36	96.32
11AC40SISO	Ant1	5755	0.65	0.70	92.86
		5795	0.65	0.70	92.86
11AC80SISO	Ant1	5775	0.32	0.37	86.49

Test Graphs

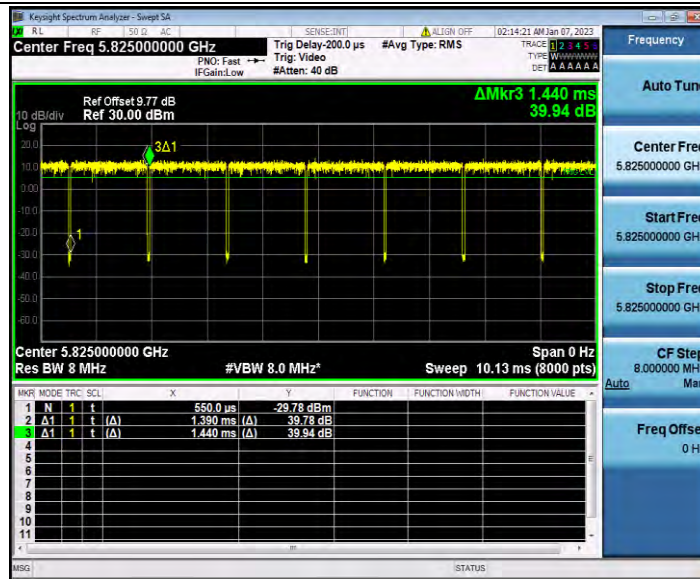
11A_Ant1_5745



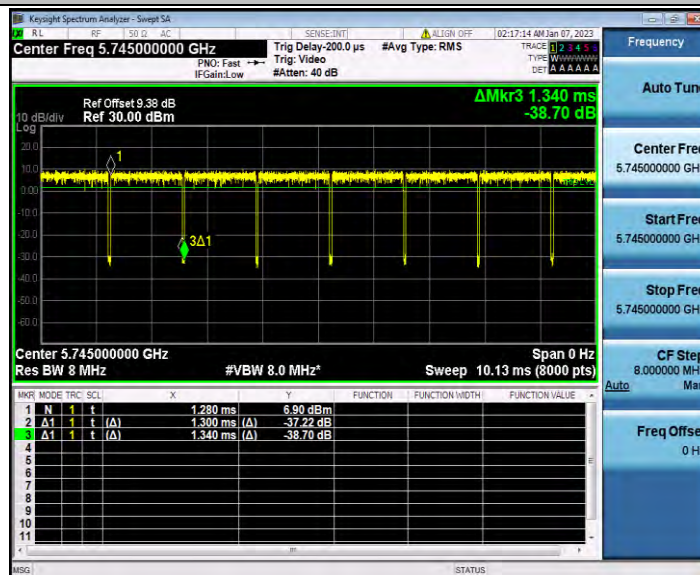
11A_Ant1_5785



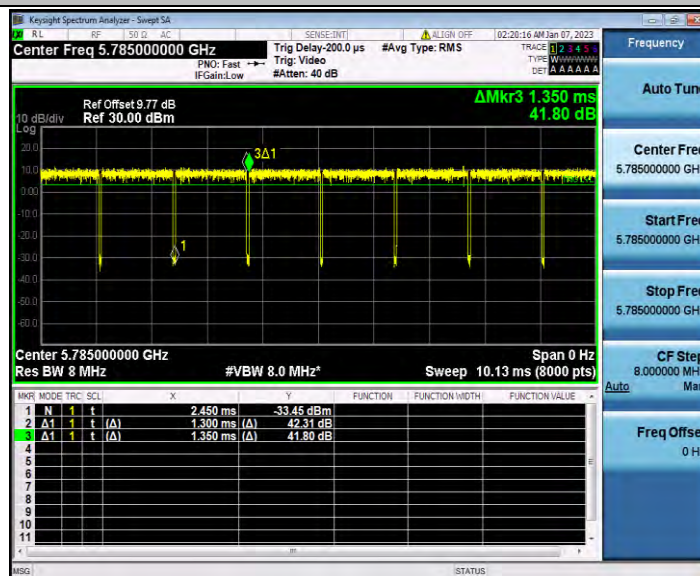
11A_Ant1_5825



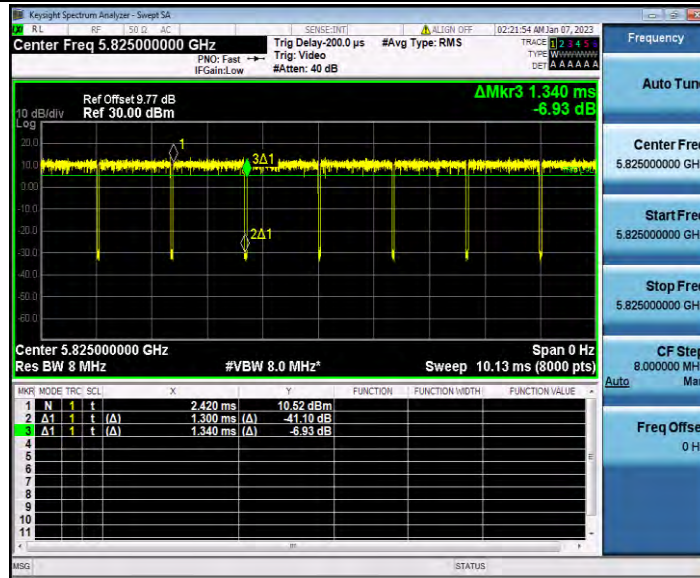
11N20SISO_Ant1_5745



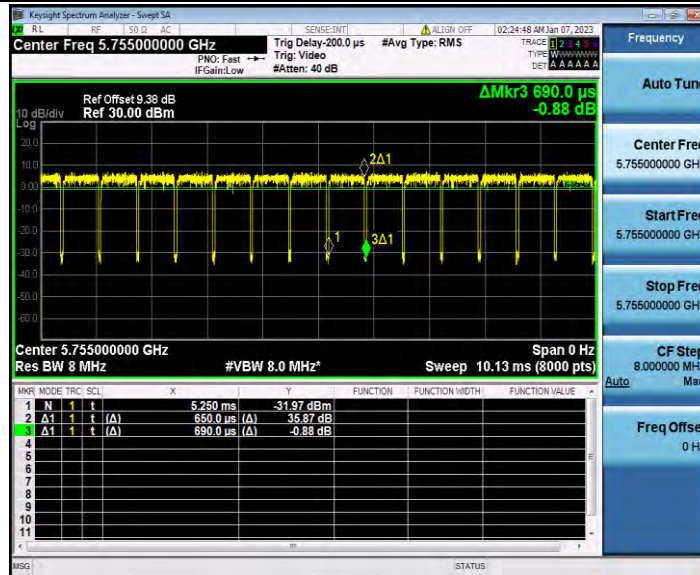
11N20SISO_Ant1_5785



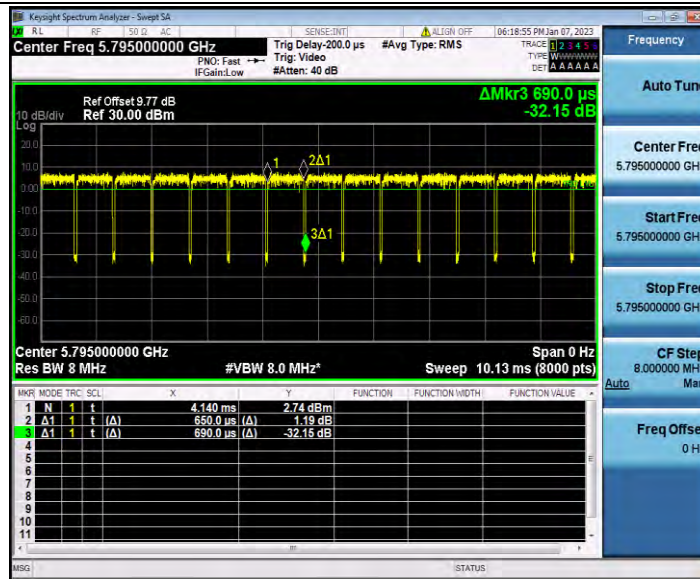
11N20SISO_Ant1_5825



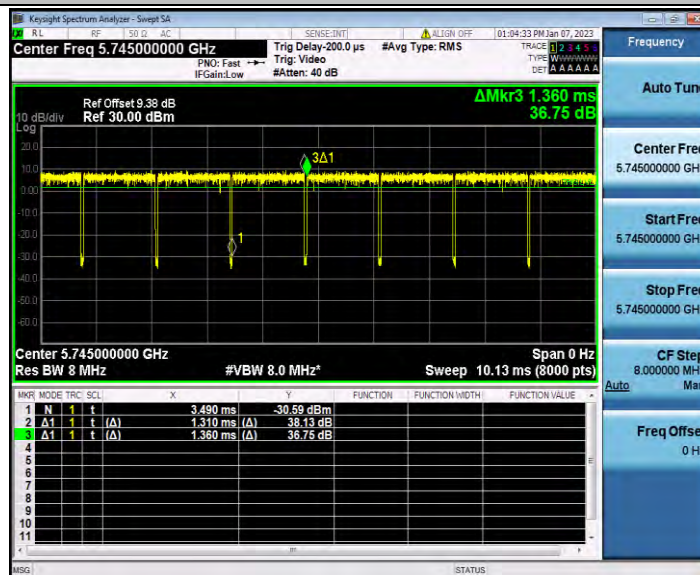
11N40SISO_Ant1_5755



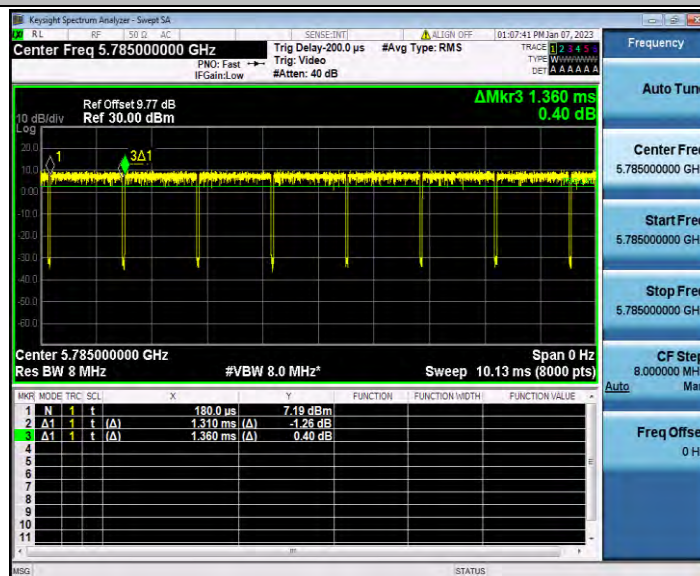
11N40SISO_Ant1_5795



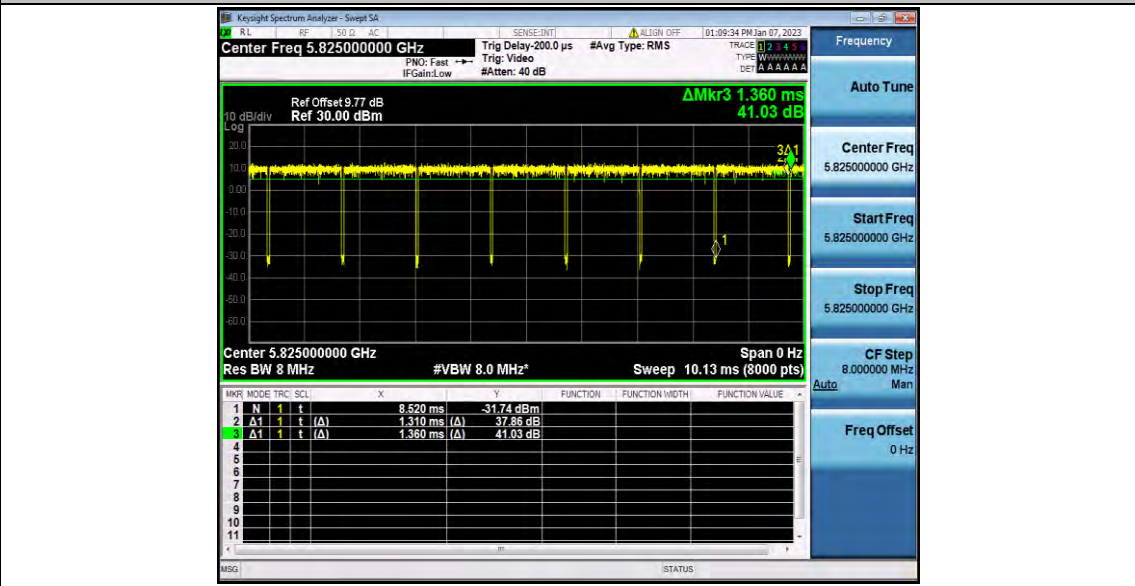
11AC20SISO_Ant1_5745



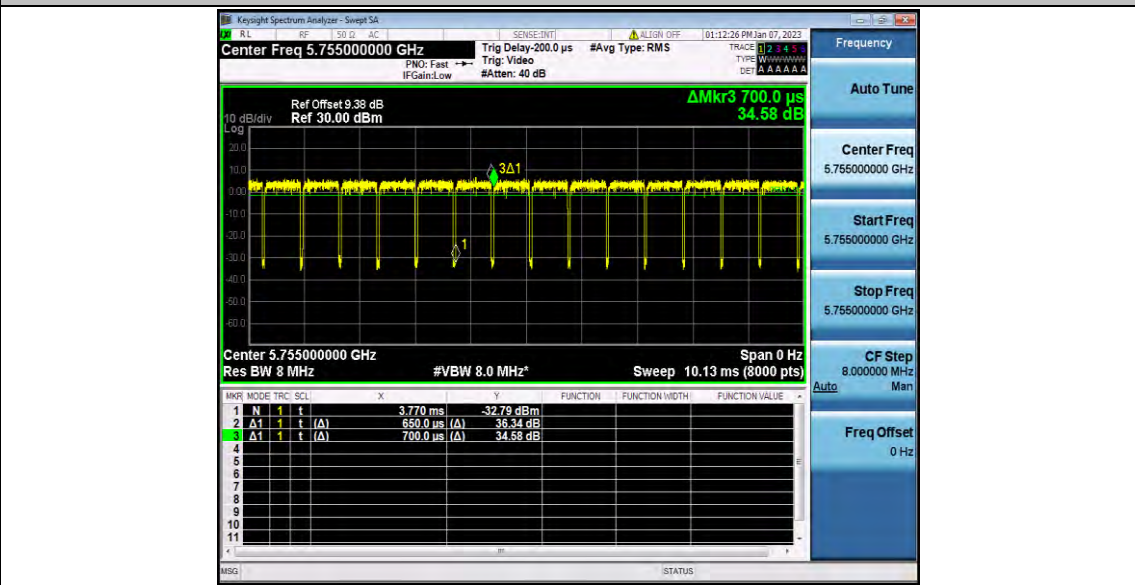
11AC20SISO_Ant1_5785



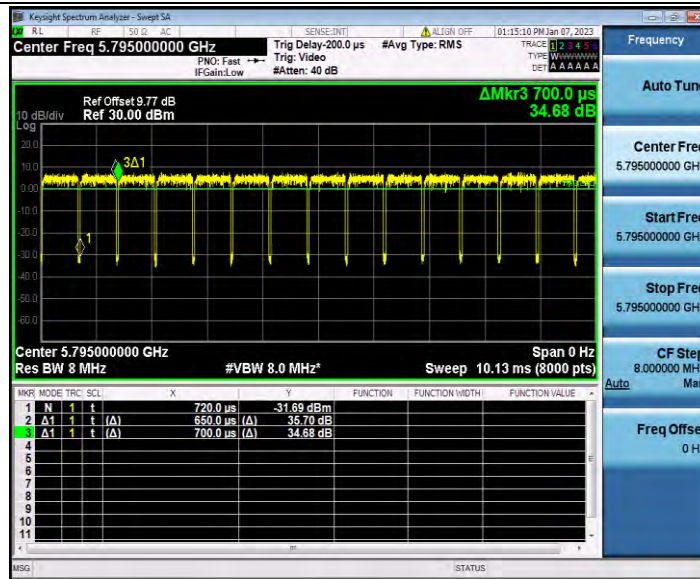
11AC20ISO_Ant1_5825



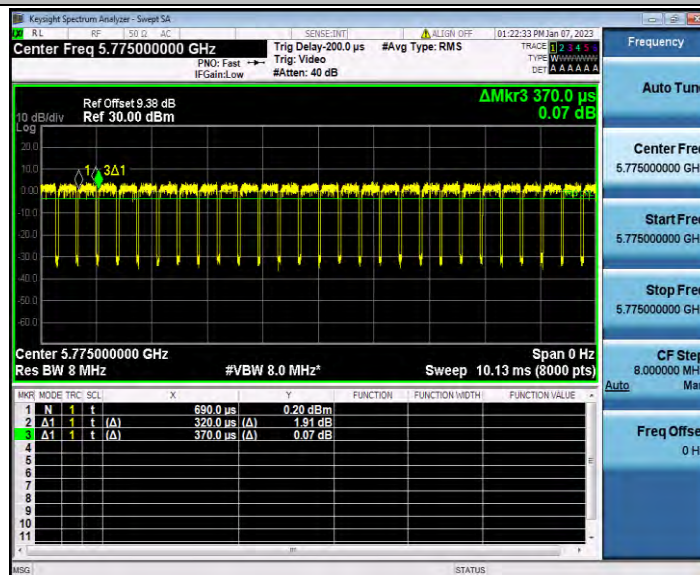
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix G.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	9.67	97.20	0.12	9.79	≤30.00	PASS
		5785	11.15	97.20	0.12	11.27	≤30.00	PASS
		5825	13.00	96.53	0.15	13.15	≤30.00	PASS
11N20SISO	Ant1	5745	9.42	97.01	0.13	9.55	≤30.00	PASS
		5785	10.93	96.30	0.16	11.09	≤30.00	PASS
		5825	12.96	97.01	0.13	13.09	≤30.00	PASS
11N40SISO	Ant1	5755	9.25	94.20	0.26	9.51	≤30.00	PASS
		5795	10.19	94.20	0.26	10.45	≤30.00	PASS
11AC20SISO	Ant1	5745	9.26	96.32	0.16	9.42	≤30.00	PASS
		5785	10.29	96.32	0.16	10.45	≤30.00	PASS
		5825	12.37	96.32	0.16	12.53	≤30.00	PASS
11AC40SISO	Ant1	5755	8.81	92.86	0.32	9.13	≤30.00	PASS
		5795	10.18	92.86	0.32	10.50	≤30.00	PASS
11AC80SISO	Ant1	5775	9.83	86.49	0.63	10.46	≤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	-3.47	≤30.00	PASS
		5785	-2.01	≤30.00	PASS
		5825	0.04	≤30.00	PASS
11N20SISO	Ant1	5745	-3.89	≤30.00	PASS
		5785	-2.16	≤30.00	PASS
		5825	-0.27	≤30.00	PASS
11N40SISO	Ant1	5755	-6.46	≤30.00	PASS
		5795	-5.76	≤30.00	PASS
11AC20SISO	Ant1	5745	-4.33	≤30.00	PASS
		5785	-3.13	≤30.00	PASS
		5825	-1.09	≤30.00	PASS
11AC40SISO	Ant1	5755	-7.19	≤30.00	PASS
		5795	-5.77	≤30.00	PASS
11AC80SISO	Ant1	5775	-9.45	≤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

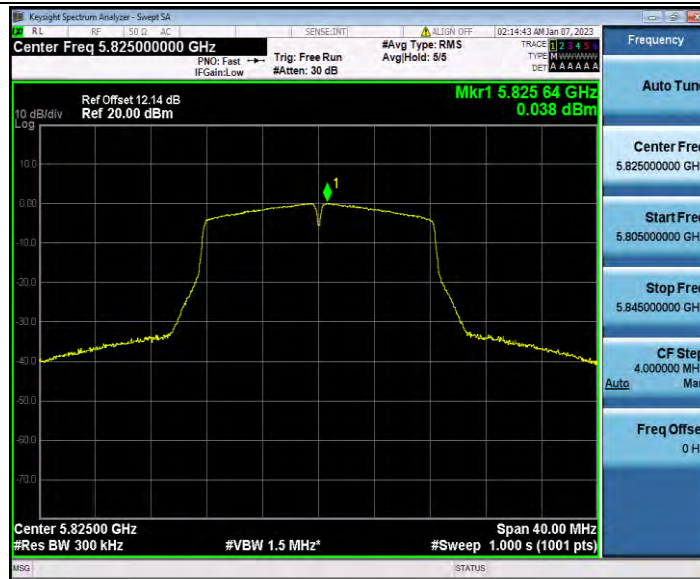
11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



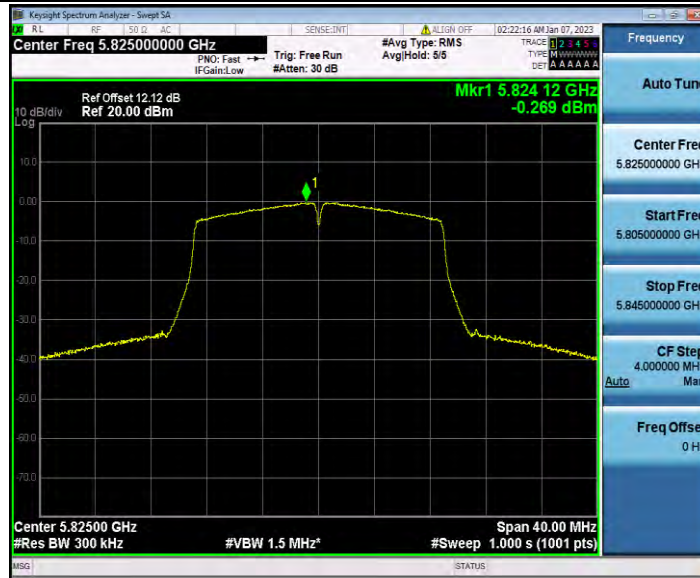
11N20SISO_Ant1_5745



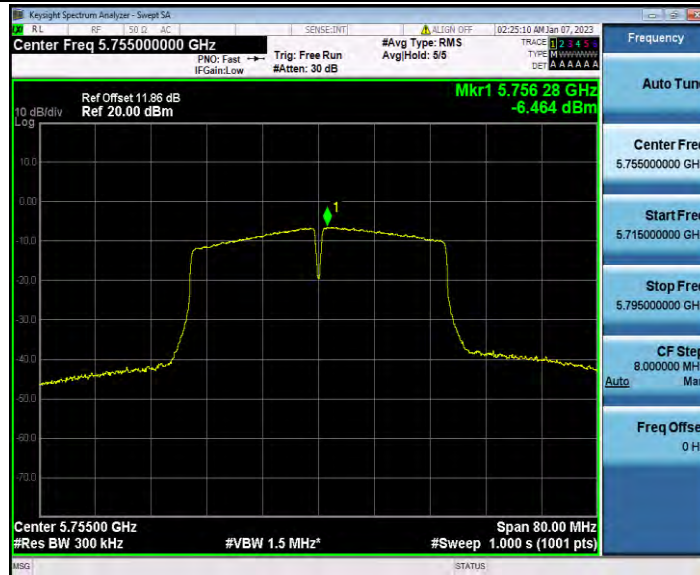
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



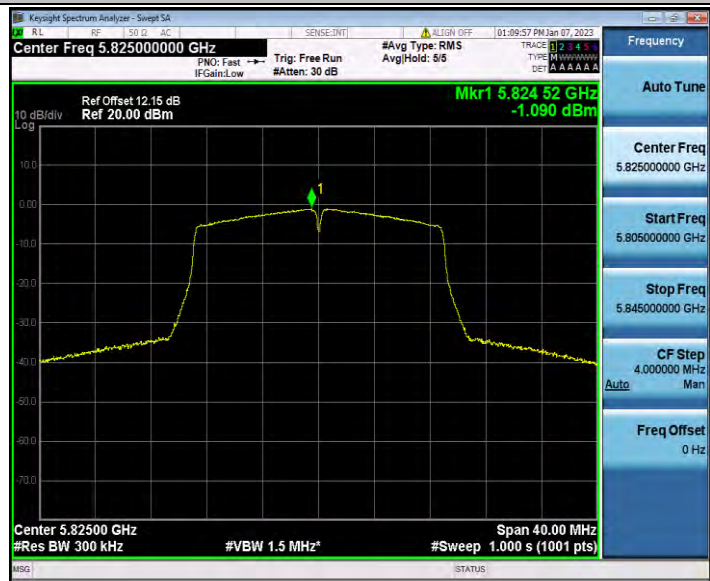
11AC20SISO_Ant1_5745



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	-38.08	≤9.98	PASS
				5700~5720	-30.42	≤15.34	PASS
				5720~5725	-22.97	≤24.47	PASS
				5760~5650	-39.96	≤-27	PASS
		High	5825	5850~5855	-28.06	≤18.87	PASS
				5855~5875	-30.19	≤10.06	PASS
				5875~5925	-38.54	≤-14.27	PASS
				5925~5935	-39.16	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-38.26	≤8.28	PASS
				5700~5720	-28.37	≤15.53	PASS
				5720~5725	-22.37	≤25.52	PASS
				5760~5650	-40.85	≤-27	PASS
		High	5825	5850~5855	-27.3	≤18.26	PASS
				5855~5875	-32.02	≤10.55	PASS
				5875~5925	-37.45	≤-25.66	PASS
				5925~5935	-38.62	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-33.55	≤8.76	PASS
				5700~5720	-23.65	≤15.39	PASS
				5720~5725	-20.36	≤25.28	PASS
				5780~5650	-40.04	≤-27	PASS
		High	5795	5850~5855	-35.27	≤24.69	PASS
				5855~5875	-35.56	≤10.41	PASS
				5875~5925	-37.95	≤-17.52	PASS
				5925~5935	-38.48	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-37.25	≤8.36	PASS
				5700~5720	-30.15	≤15.30	PASS
				5720~5725	-26.72	≤22.37	PASS
				5760~5650	-40.9	≤-27	PASS
		High	5825	5850~5855	-29.06	≤17.95	PASS
				5855~5875	-31.35	≤10.10	PASS
				5875~5925	-38.51	≤-24.46	PASS
				5925~5935	-39.04	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-35.42	≤7.26	PASS
				5700~5720	-28.18	≤14.79	PASS
				5720~5725	-26.93	≤24.05	PASS

		High	5795	5780~5650	-40.71	≤ -27	PASS
				5850~5855	-34.9	≤ 16.03	PASS
				5855~5875	-36.26	≤ 10.82	PASS
				5875~5925	-37.31	≤ -18.01	PASS
				5925~5935	-39.36	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-35.43	≤ 9.79	PASS
				5700~5720	-28.46	≤ 13.96	PASS
				5720~5725	-29.39	≤ 22.36	PASS
				5800~5650	-39.23	≤ -27	PASS
		High	5775	5850~5855	-27.84	≤ 20.01	PASS
				5855~5875	-27.37	≤ 10.38	PASS
				5875~5925	-32.12	≤ -26.41	PASS
				5925~5935	-38.08	≤ -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

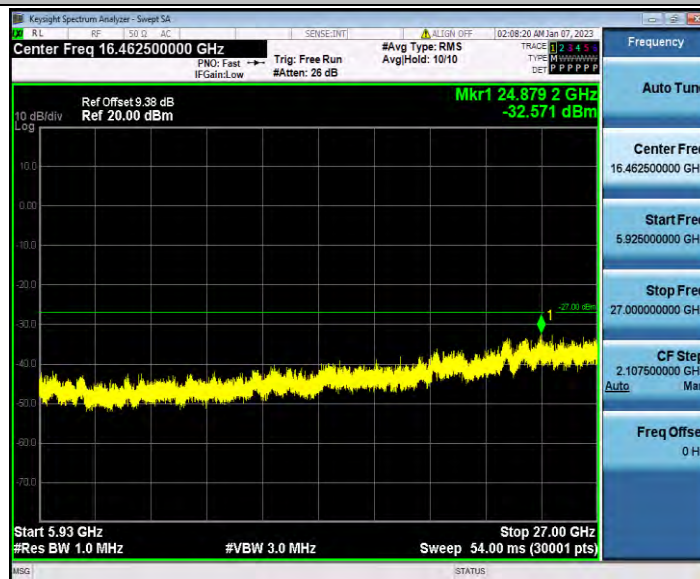
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	2705.12	-41.15	≤-27	PASS
			5925~40000	24879.15	-32.57	≤-27	PASS
		5785	30~5650	5415.83	-40.4	≤-27	PASS
			5925~40000	25016.14	-32.16	≤-27	PASS
		5825	30~5650	5444.12	-39.72	≤-27	PASS
			5925~40000	26525.81	-31.98	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	3280.61	-41	≤-27	PASS
			5925~40000	25219.87	-32.77	≤-27	PASS
		5785	30~5650	5512.31	-40.38	≤-27	PASS
			5925~40000	24952.21	-32.61	≤-27	PASS
		5825	30~5650	3181.13	-39.62	≤-27	PASS
			5925~40000	24266.57	-32.05	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	4927.64	-40.91	≤-27	PASS
			5925~40000	24337.53	-32.26	≤-27	PASS
		5795	30~5650	5471.28	-40.84	≤-27	PASS
			5925~40000	26837.02	-31.47	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5526.17	-43.36	≤-27	PASS
			5925~40000	24326.99	-33.05	≤-27	PASS
		5785	30~5650	3308.71	-40.63	≤-27	PASS
			5925~40000	25127.14	-31.9	≤-27	PASS
		5825	30~5650	5487.77	-40.98	≤-27	PASS
			5925~40000	23559.86	-33.02	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	3052.25	-41.05	≤-27	PASS
			5925~40000	24962.05	-33.34	≤-27	PASS
		5795	30~5650	2609.58	-41.2	≤-27	PASS
			5925~40000	26876.36	-32.63	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	4786.77	-40.86	≤-27	PASS
			5925~40000	25032.3	-33.1	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650



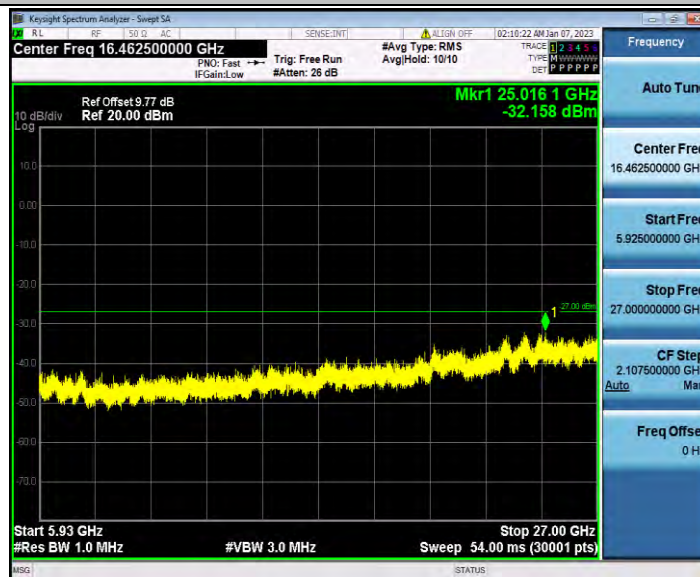
11A_Ant1_5745_5925~40000



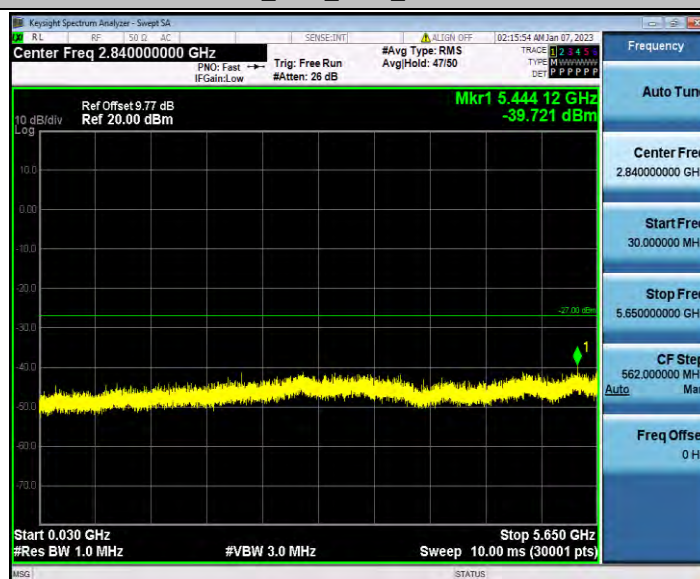
11A_Ant1_5785_30~5650



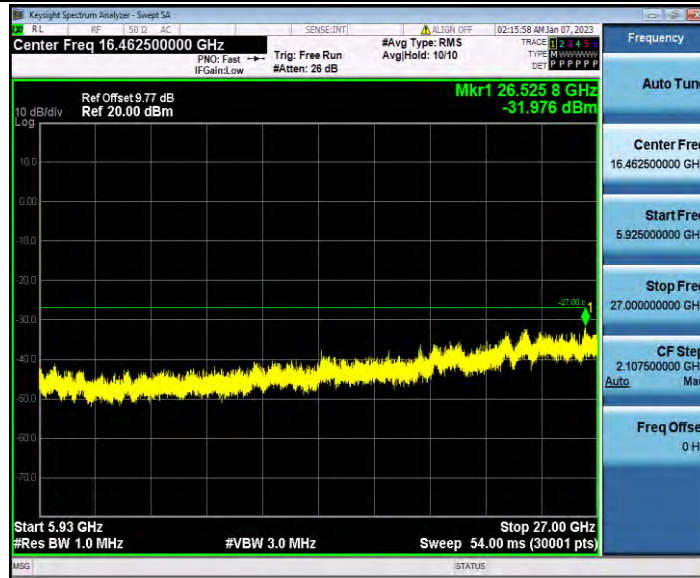
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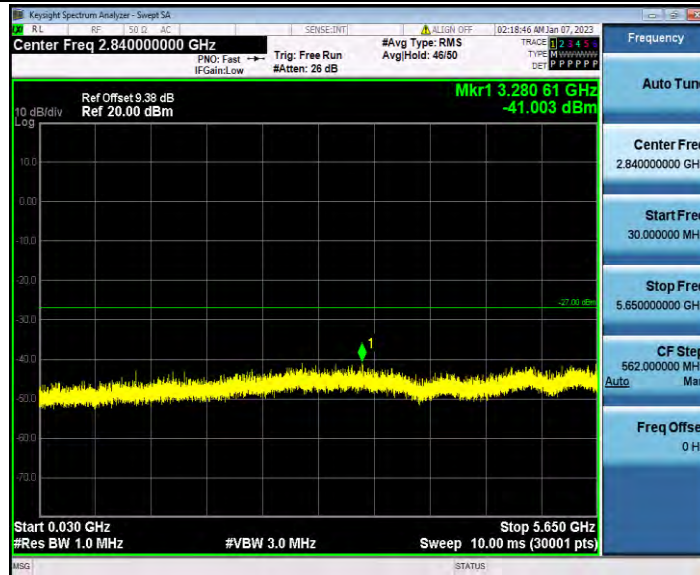
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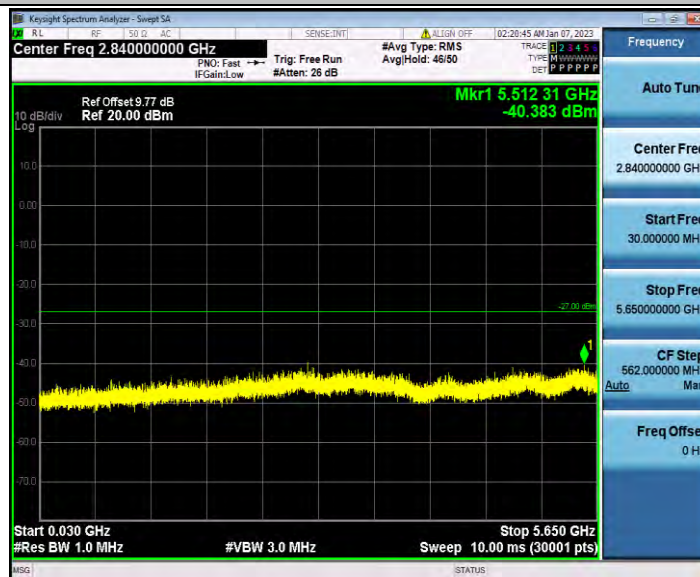
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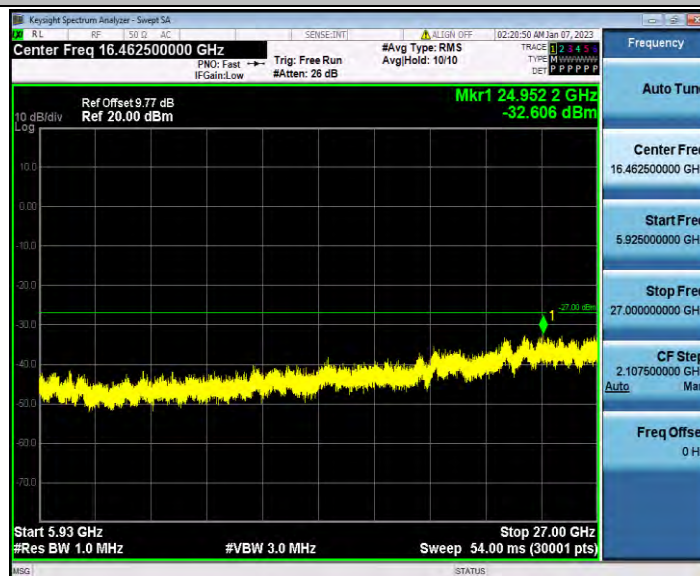
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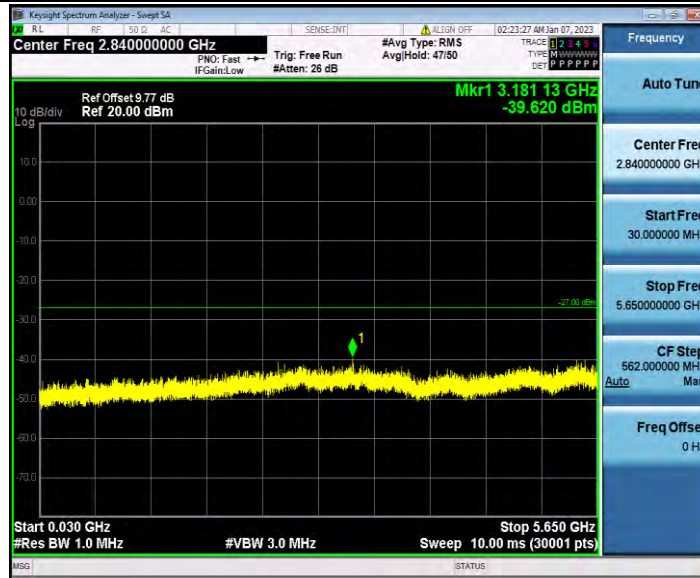
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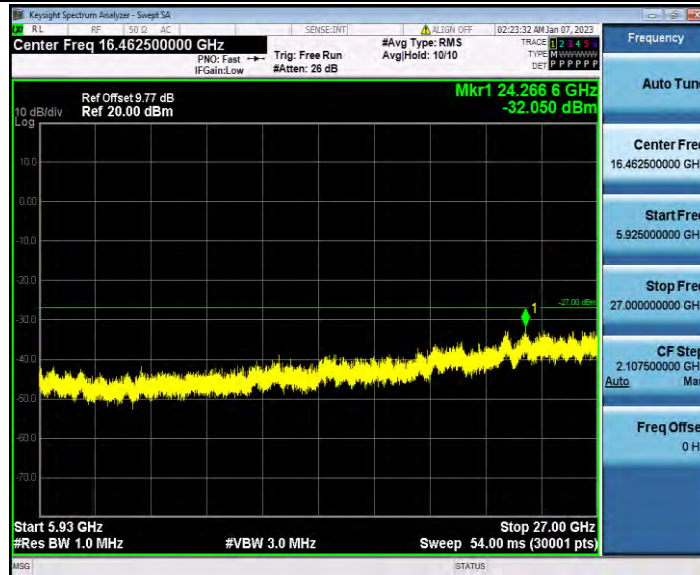
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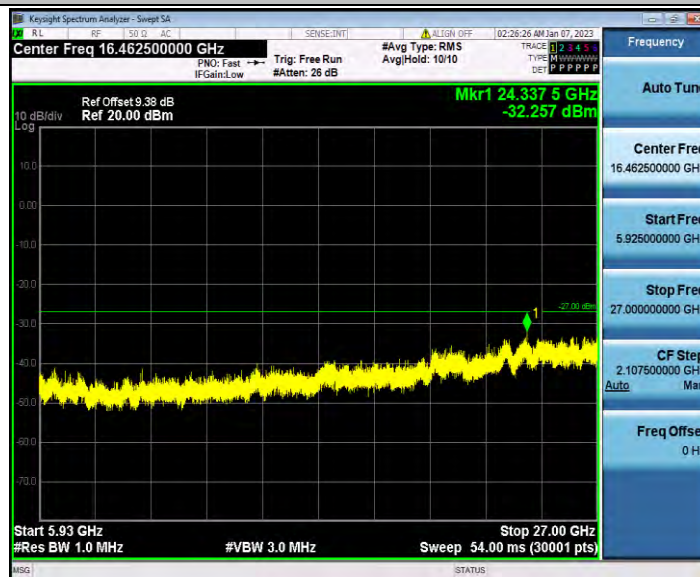
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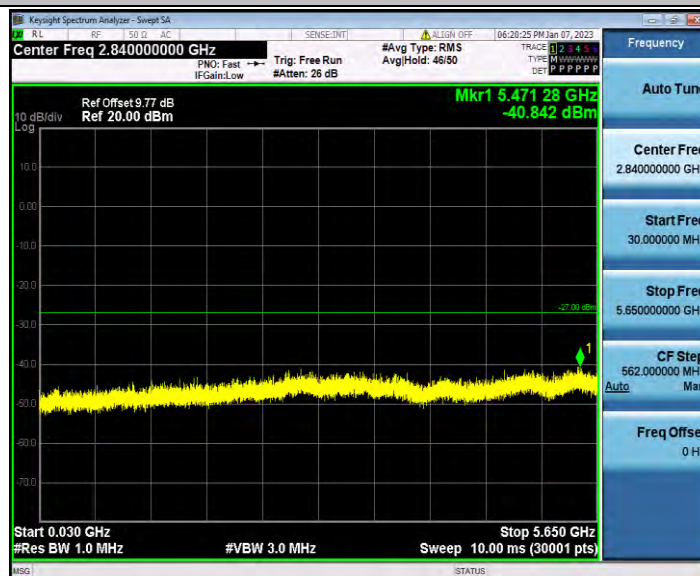
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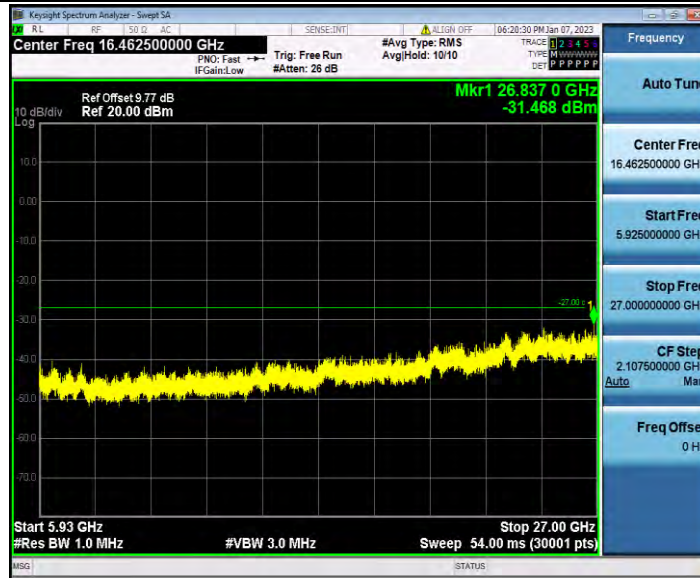
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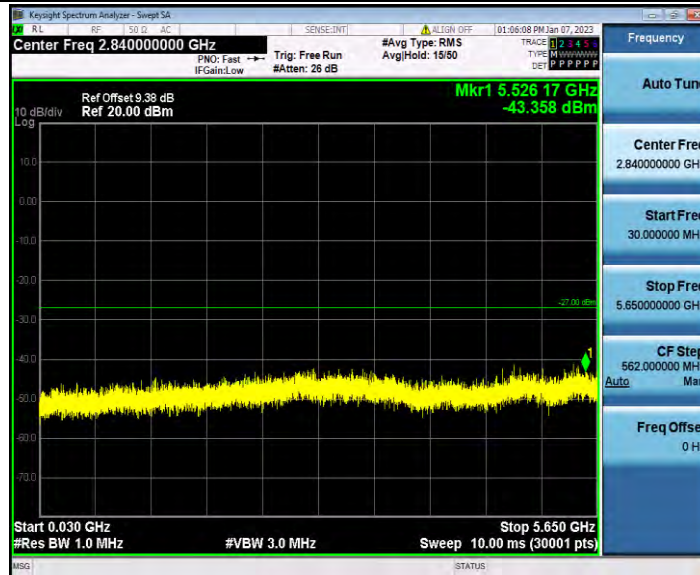
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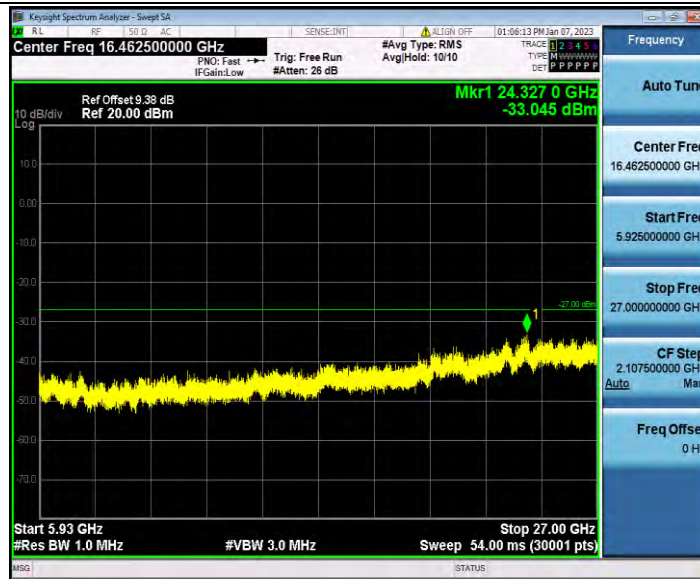
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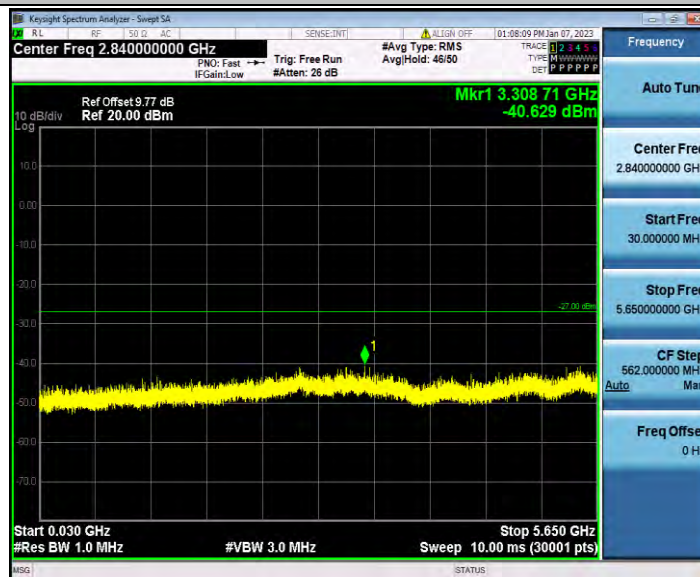
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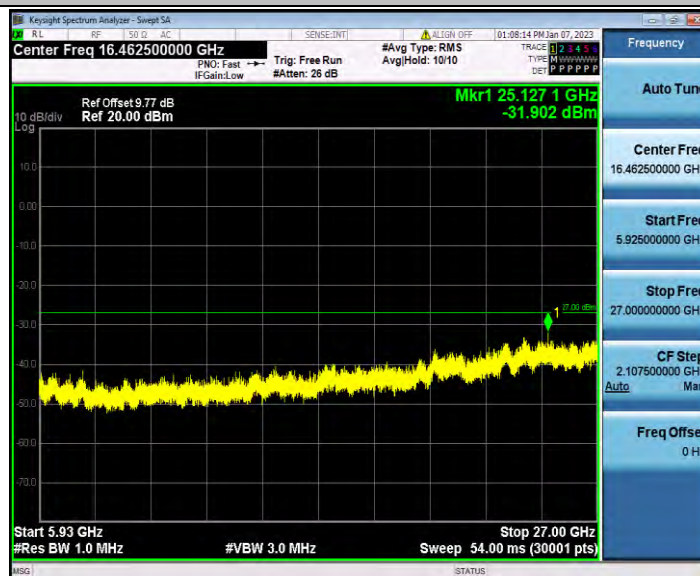
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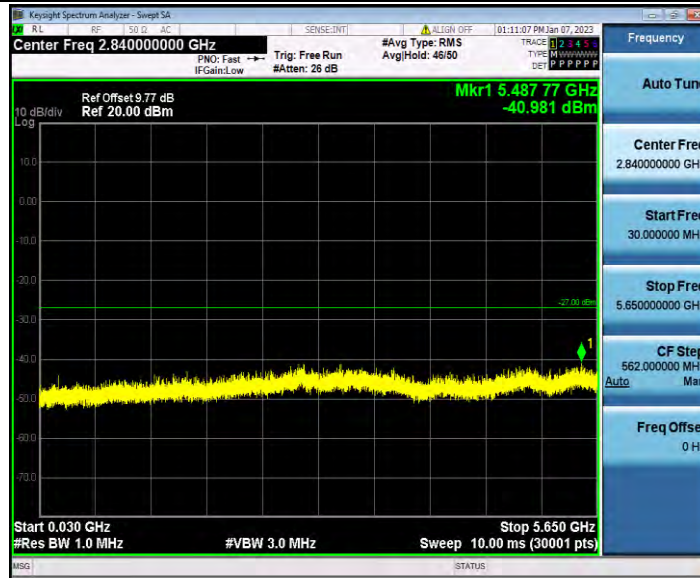
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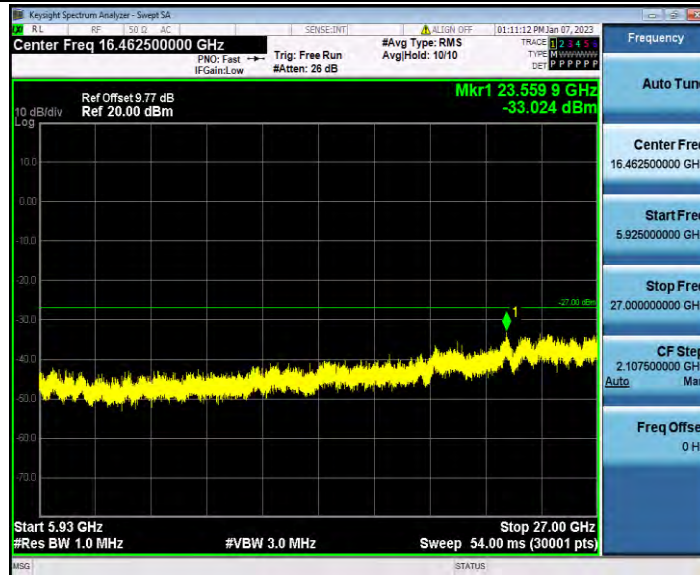
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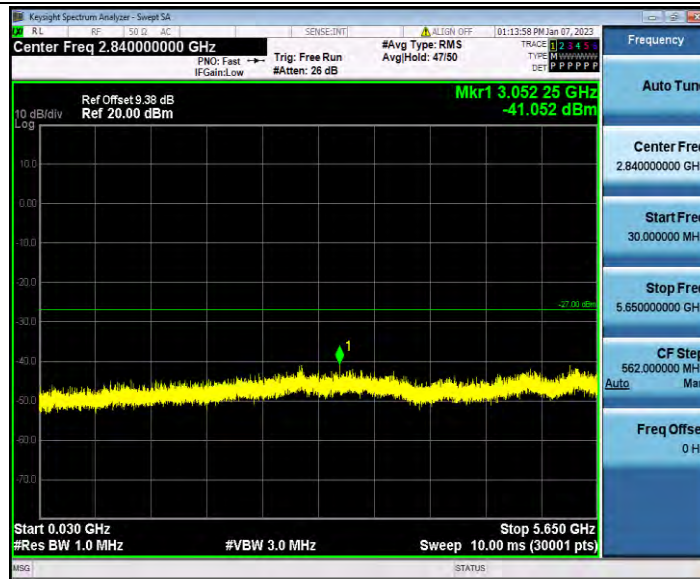
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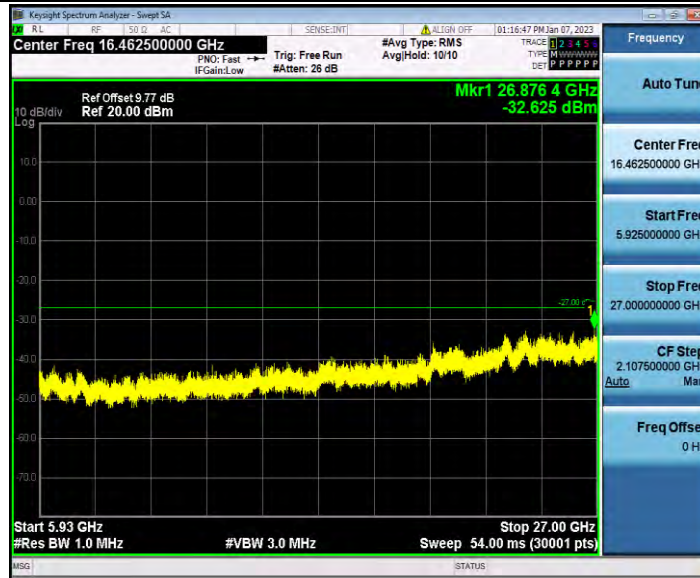
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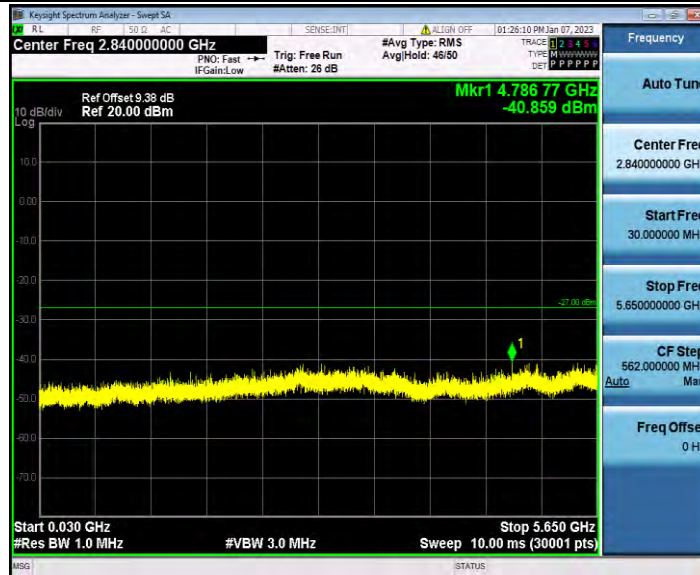
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