

Case No. : GTS20230105004-1-4	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2023.2.3	Test Engineer: Jenny zeng

Appendix E.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.746	5736.127	5753.873	---	---
		5785	17.919	5776.045	5793.964	---	---
		5825	18.123	5815.692	5833.815	---	---
11N20SISO	Ant1	5745	19.401	5735.289	5754.690	---	---
		5785	19.015	5775.431	5794.446	---	---
		5825	18.938	5815.339	5834.277	---	---
11N40SISO	Ant1	5755	37.173	5736.401	5773.574	---	---
		5795	36.805	5776.427	5813.232	---	---
11AC20SISO	Ant1	5745	19.070	5735.491	5754.561	---	---
		5785	19.155	5775.416	5794.571	---	---
		5825	18.956	5815.351	5834.307	---	---
11AC40SISO	Ant1	5755	37.035	5736.478	5773.513	---	---
		5795	36.794	5776.531	5813.325	---	---
11AC80SISO	Ant1	5775	76.892	5736.274	5813.166	---	---

Test Graphs

11A_Ant1_5745



11A_Ant1_5785



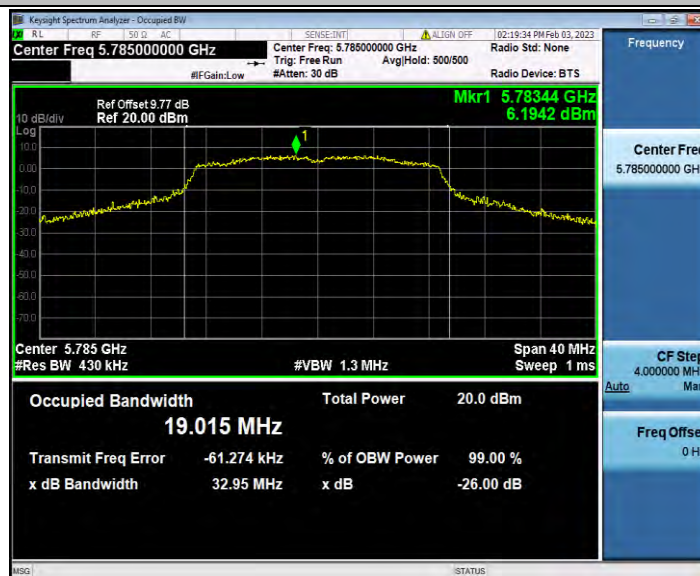
11A_Ant1_5825



11N20SISO_Ant1_5745



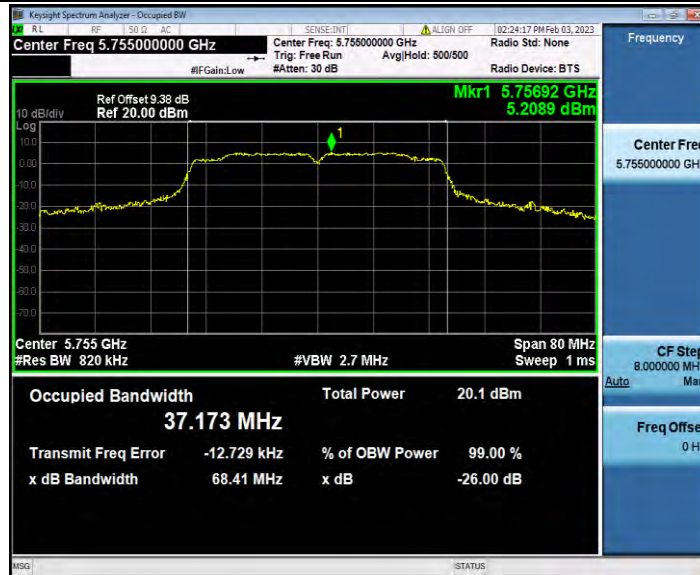
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



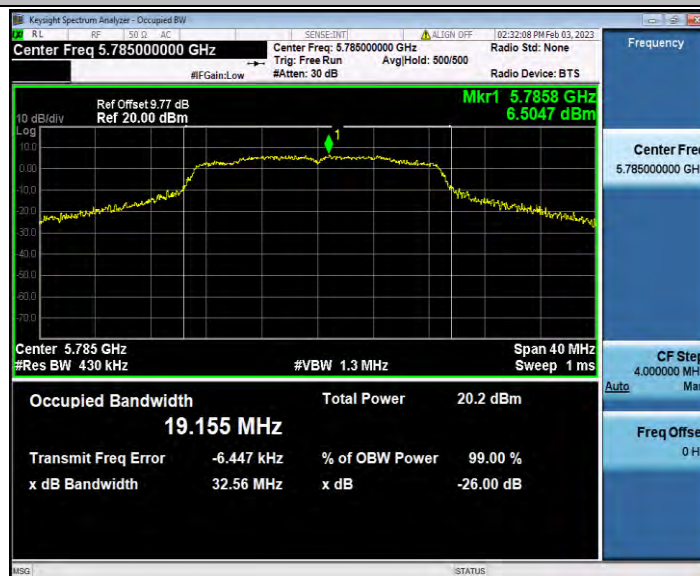
11N40SISO_Ant1_5795



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

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.040	5737.440	5752.480	0.5	PASS
		5785	15.040	5777.480	5792.520	0.5	PASS
		5825	14.160	5817.080	5831.240	0.5	PASS
11N20SISO	Ant1	5745	15.040	5737.440	5752.480	0.5	PASS
		5785	15.080	5777.440	5792.520	0.5	PASS
		5825	15.960	5816.600	5832.560	0.5	PASS
11N40SISO	Ant1	5755	35.120	5737.400	5772.520	0.5	PASS
		5795	33.840	5778.680	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	15.000	5737.520	5752.520	0.5	PASS
		5785	15.400	5777.440	5792.840	0.5	PASS
		5825	16.040	5816.440	5832.480	0.5	PASS
11AC40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC80SISO	Ant1	5775	75.040	5737.400	5812.440	0.5	PASS

Test Graphs B4

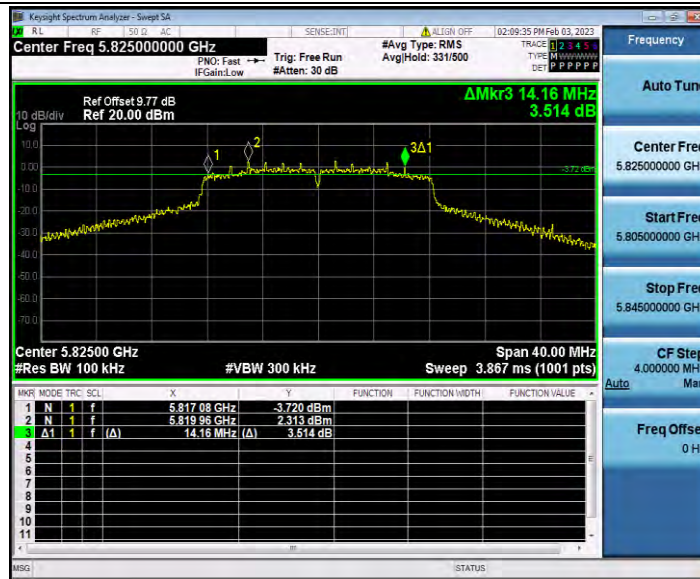
11A_Ant1_5745



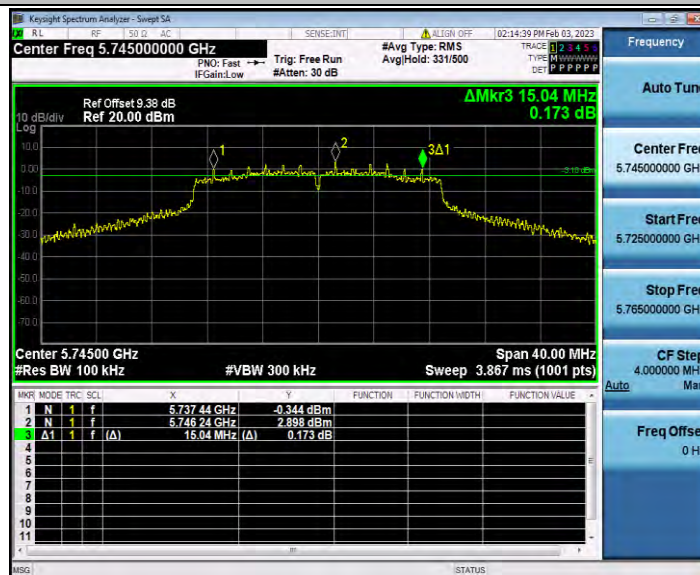
11A_Ant1_5785



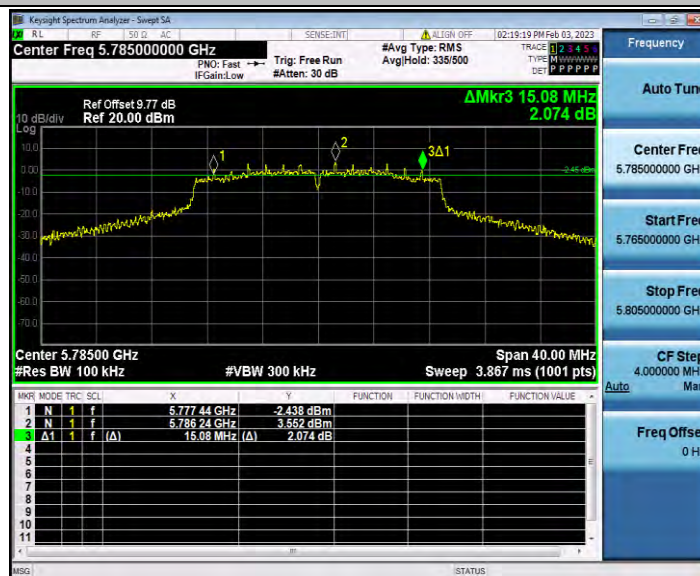
11A_Ant1_5825



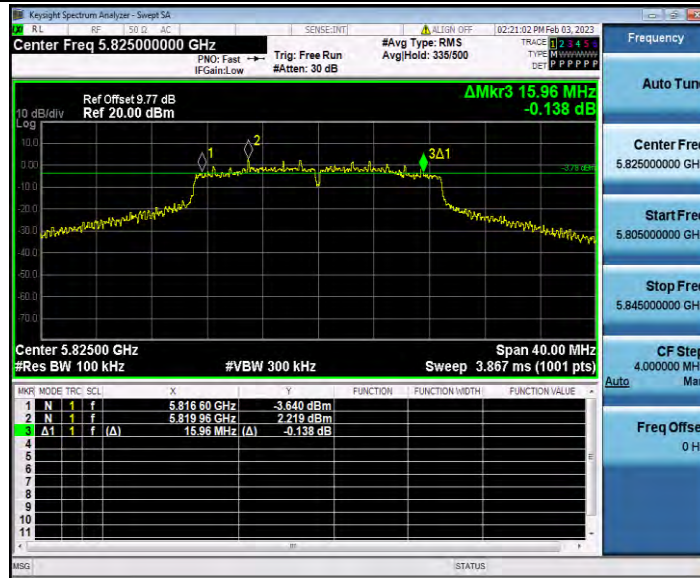
11N20SISO_Ant1_5745



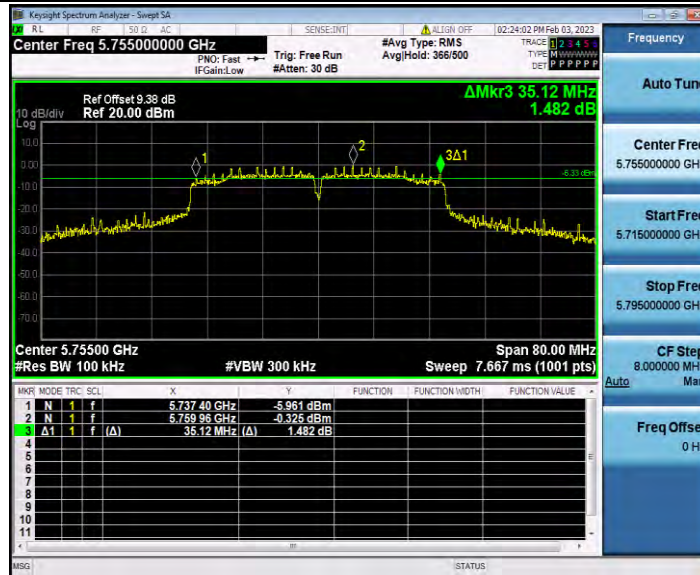
11N20SISO_Ant1_5785



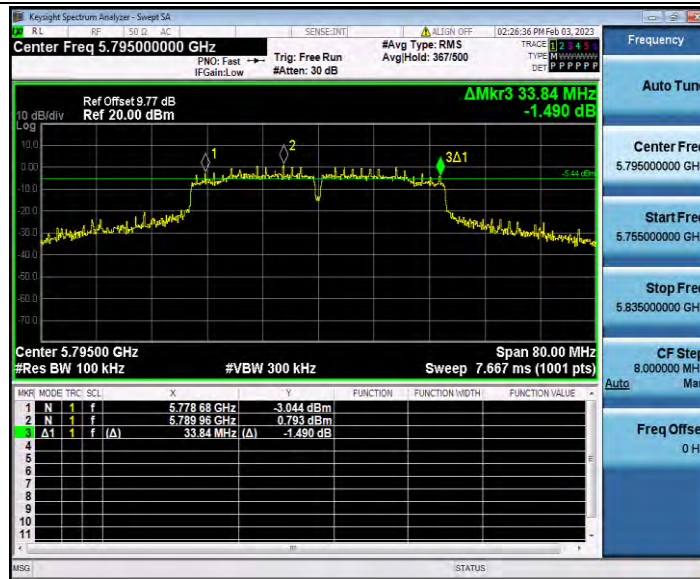
11N20SISO_Ant1_5825



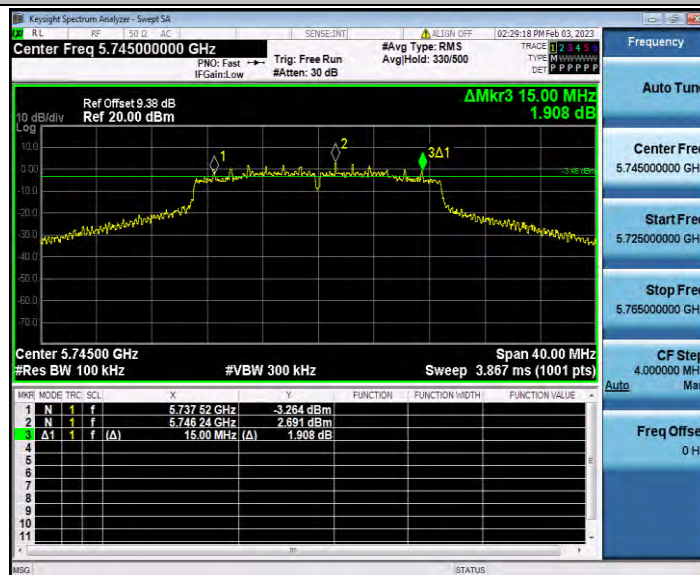
11N40SISO_Ant1_5755



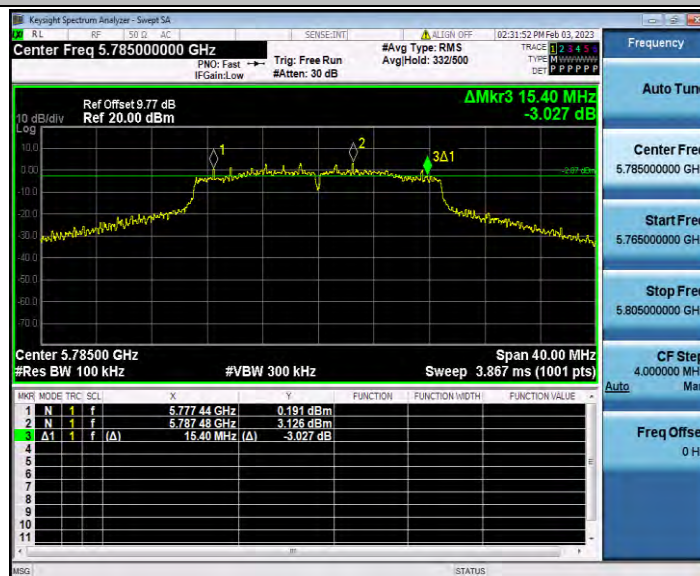
11N40SISO_Ant1_5795



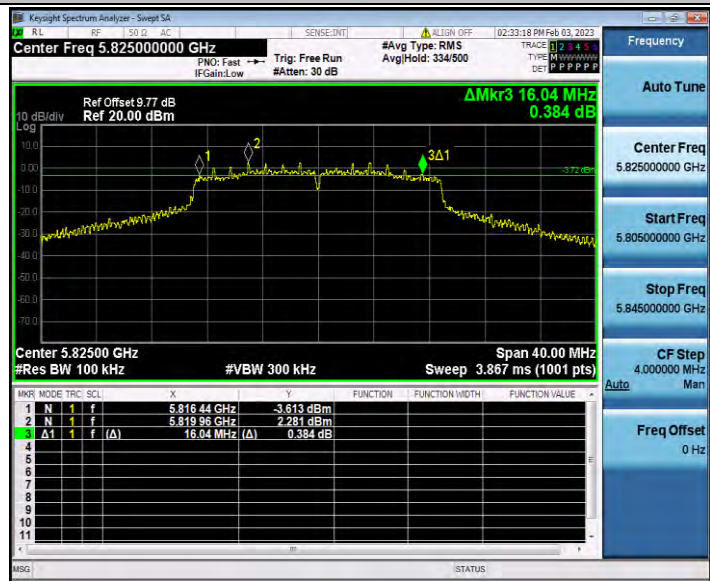
11AC20SISO_Ant1_5745



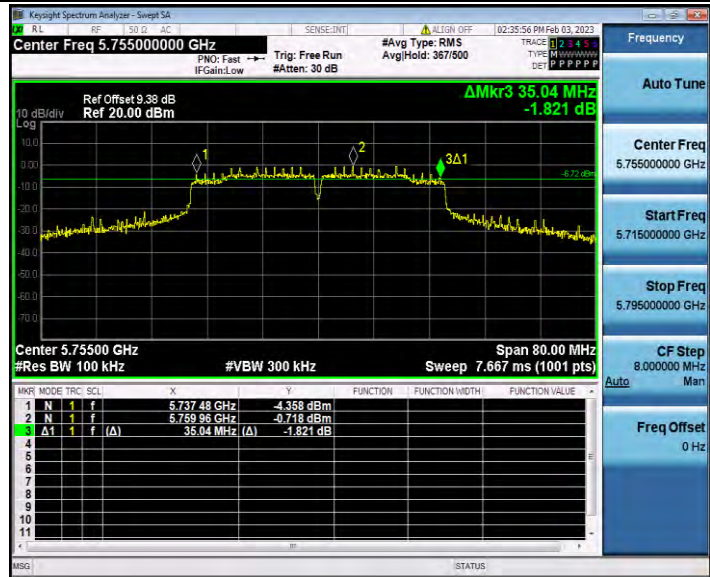
11AC20SISO_Ant1_5785



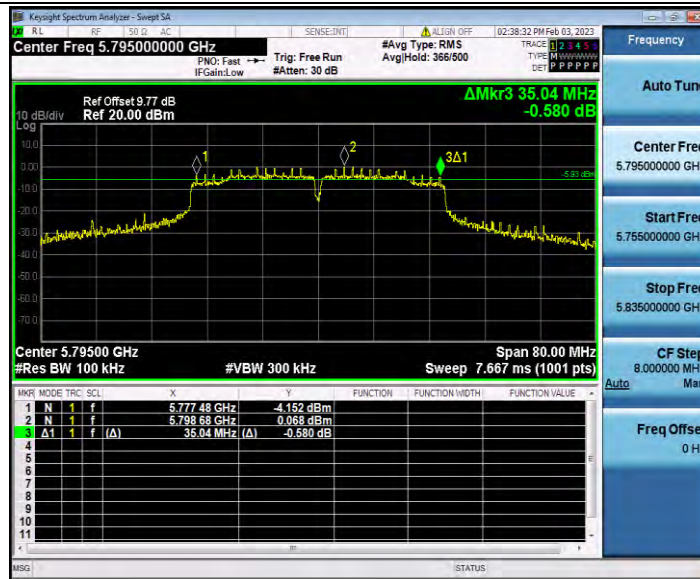
11AC20SISO_Ant1_5825



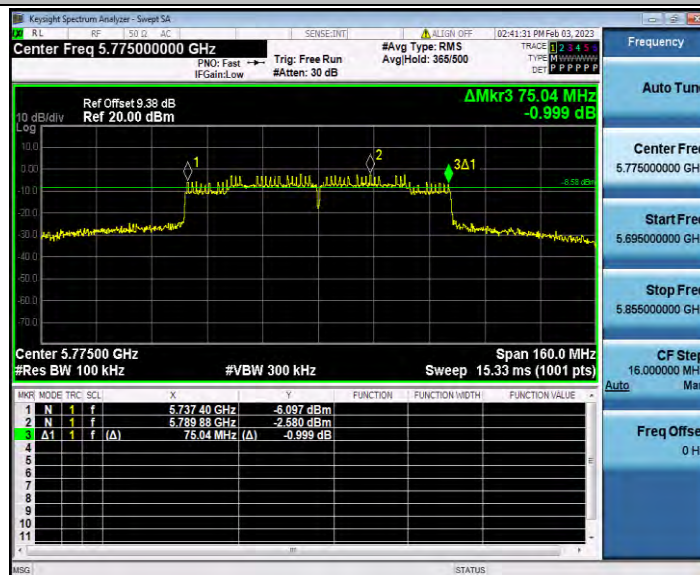
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



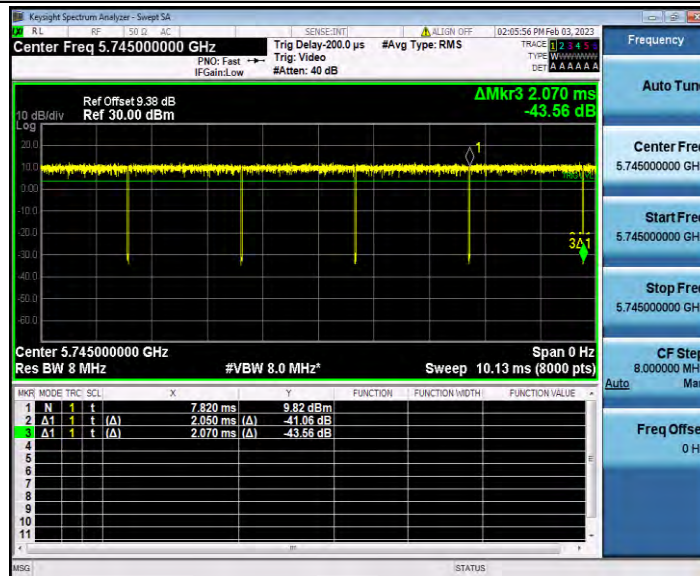
Appendix E.3: Duty Cycle

Test Result

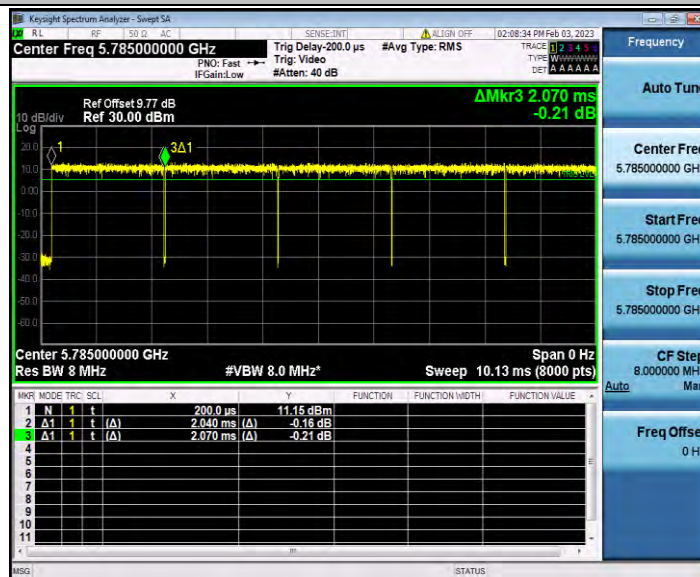
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	2.05	2.07	99.03
		5785	2.04	2.07	98.55
		5825	2.05	2.07	99.03
11N20SISO	Ant1	5745	1.91	1.99	95.98
		5785	1.91	1.99	95.98
		5825	1.91	1.99	95.98
11N40SISO	Ant1	5755	0.93	1.10	84.55
		5795	0.93	1.10	84.55
11AC20SISO	Ant1	5745	1.91	2.00	95.50
		5785	1.92	2.00	96.00
		5825	1.92	2.00	96.00
11AC40SISO	Ant1	5755	0.95	1.12	84.82
		5795	0.95	1.12	84.82
11AC80SISO	Ant1	5775	0.46	0.54	85.19

Test Graphs

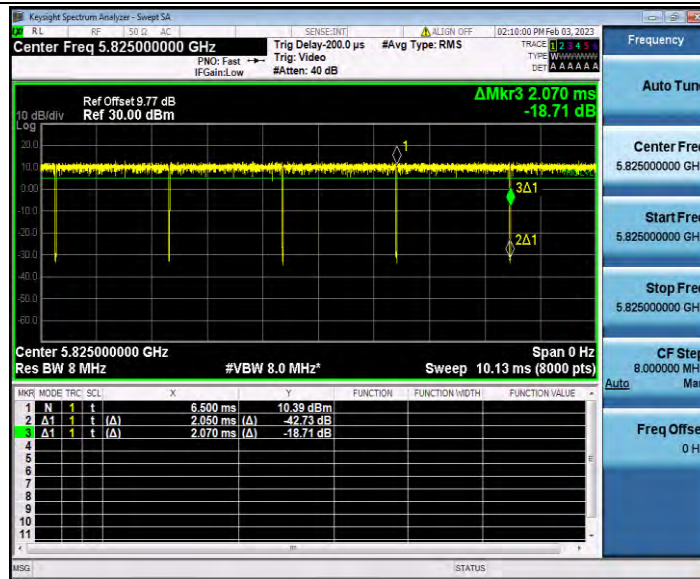
11A_Ant1_5745



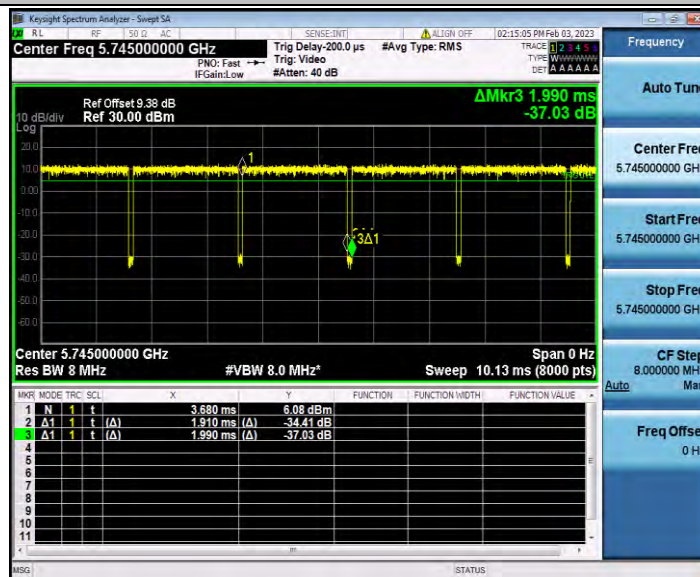
11A_Ant1_5785



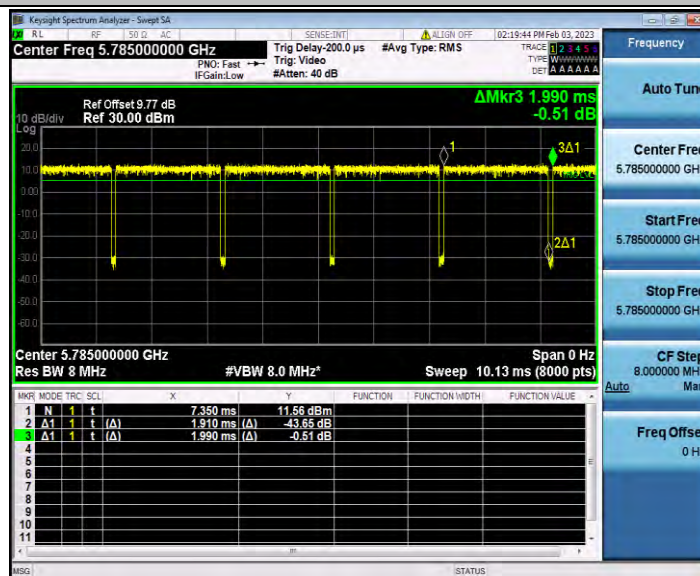
11A_Ant1_5825



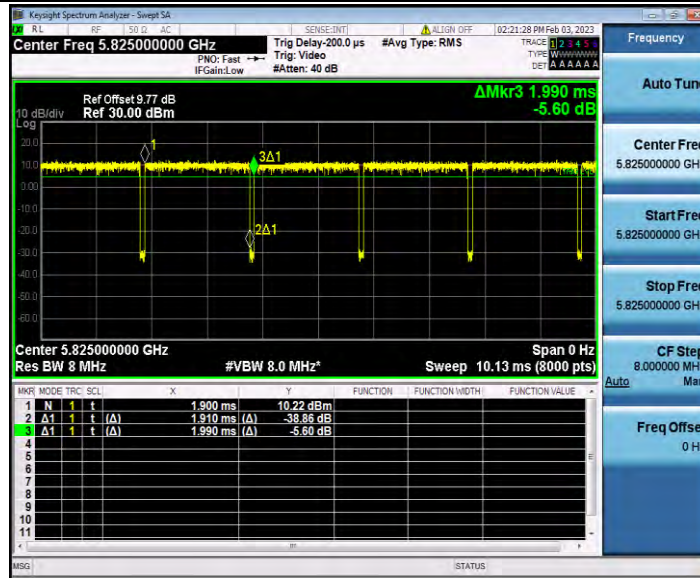
11N20SISO_Ant1_5745



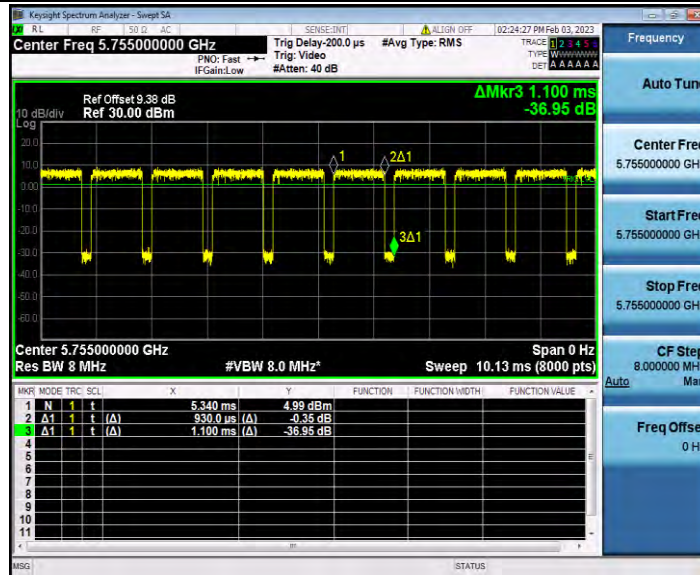
11N20SISO_Ant1_5785



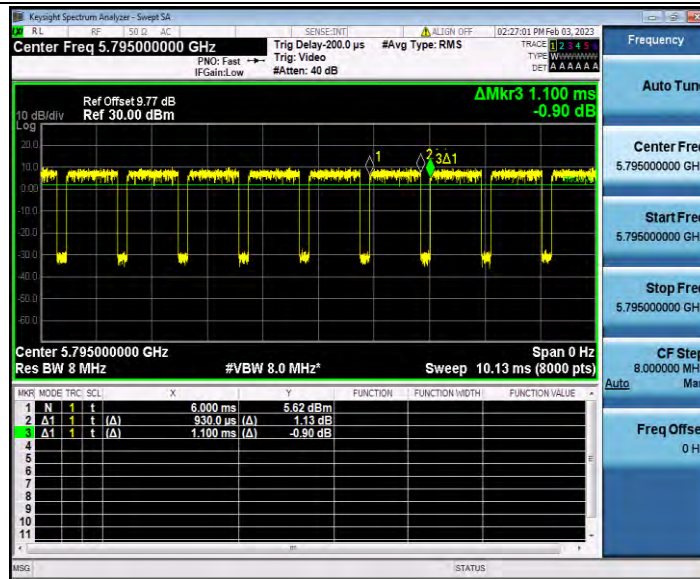
11N20SISO_Ant1_5825



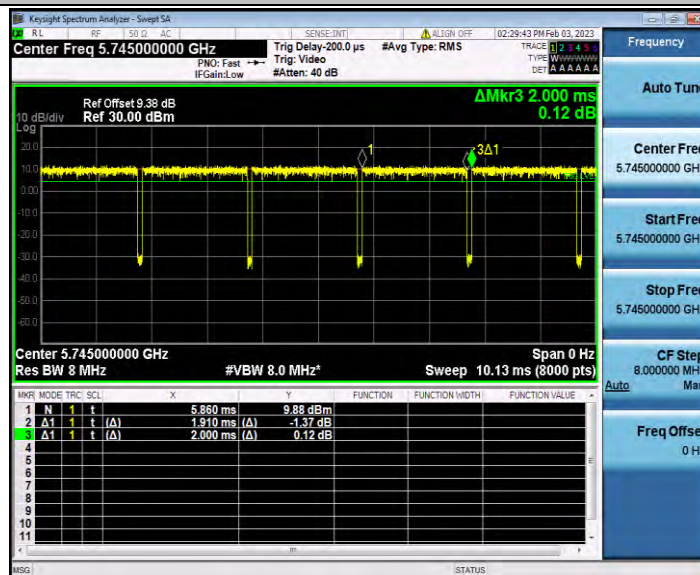
11N40SISO_Ant1_5755



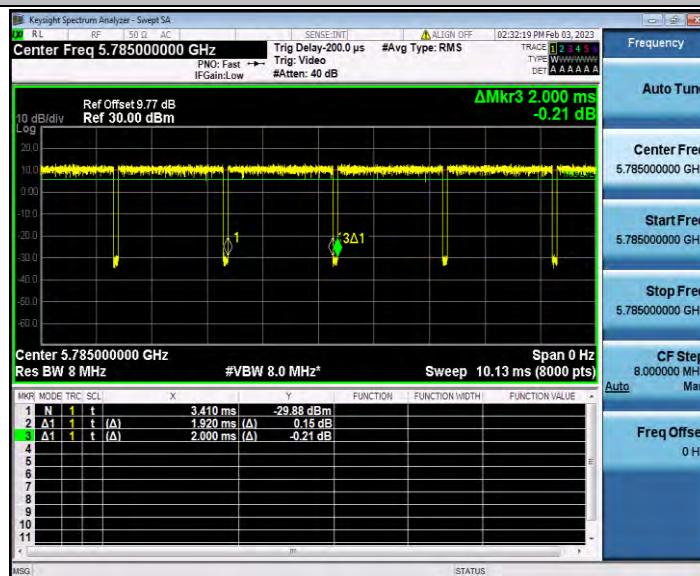
11N40SISO_Ant1_5795



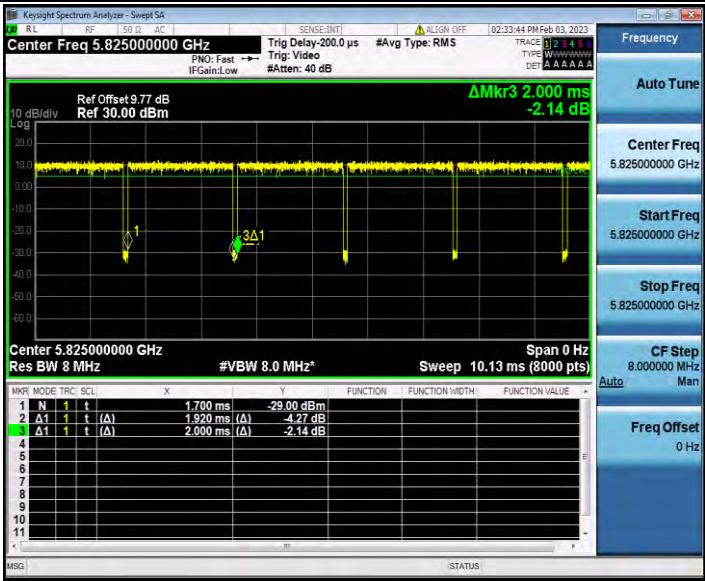
11AC20SISO_Ant1_5745



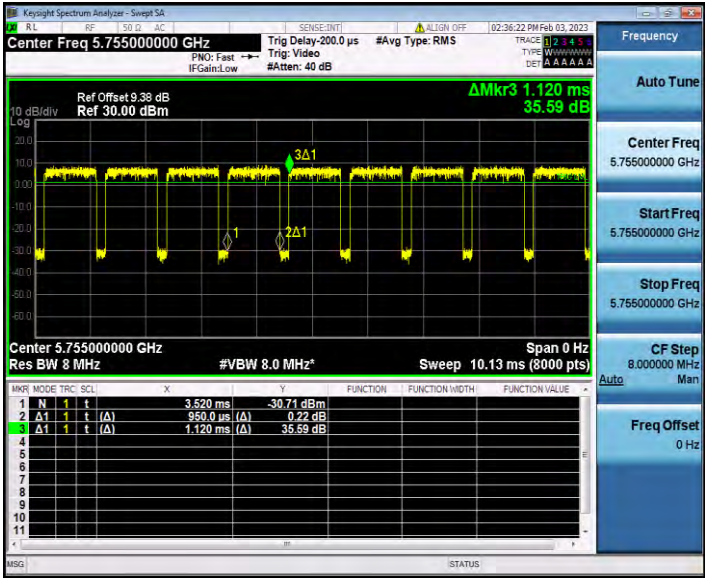
11AC20SISO_Ant1_5785



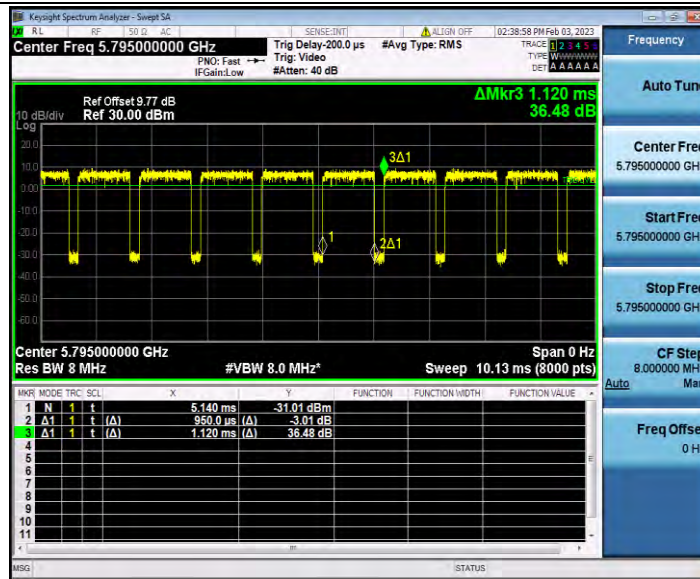
11AC20SISO_Ant1_5825



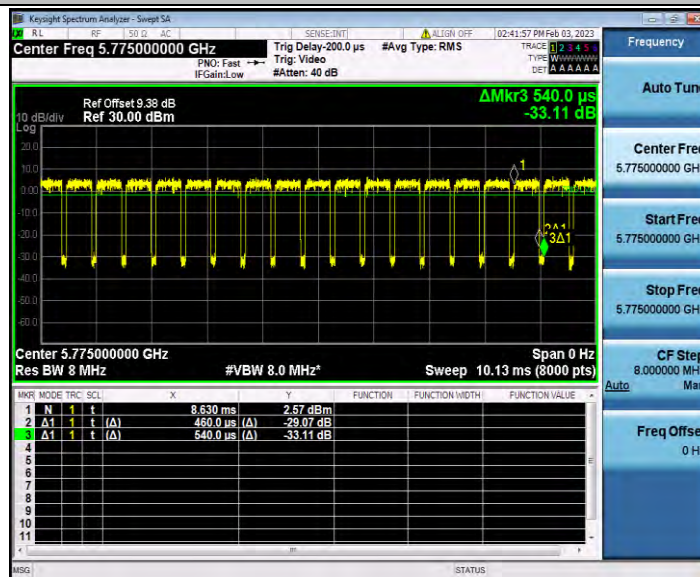
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix E.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	11.96	99.03	0.04	12.00	≤30.00	PASS
		5785	12.86	98.55	0.06	12.92	≤30.00	PASS
		5825	12.65	99.03	0.04	12.69	≤30.00	PASS
11N20SISO	Ant1	5745	12.33	95.98	0.18	12.51	≤30.00	PASS
		5785	12.95	95.98	0.18	13.13	≤30.00	PASS
		5825	12.29	95.98	0.18	12.47	≤30.00	PASS
11N40SISO	Ant1	5755	11.84	84.55	0.73	12.57	≤30.00	PASS
		5795	12.50	84.55	0.73	13.23	≤30.00	PASS
11AC20SISO	Ant1	5745	11.98	95.50	0.20	12.18	≤30.00	PASS
		5785	13.11	96.00	0.18	13.29	≤30.00	PASS
		5825	12.41	96.00	0.18	12.59	≤30.00	PASS
11AC40SISO	Ant1	5755	11.81	84.82	0.72	12.53	≤30.00	PASS
		5795	12.03	84.82	0.72	12.75	≤30.00	PASS
11AC80SISO	Ant1	5775	12.32	85.19	0.70	13.02	≤30.00	PASS

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

Appendix E.5: Maximum power spectral density

Test Result

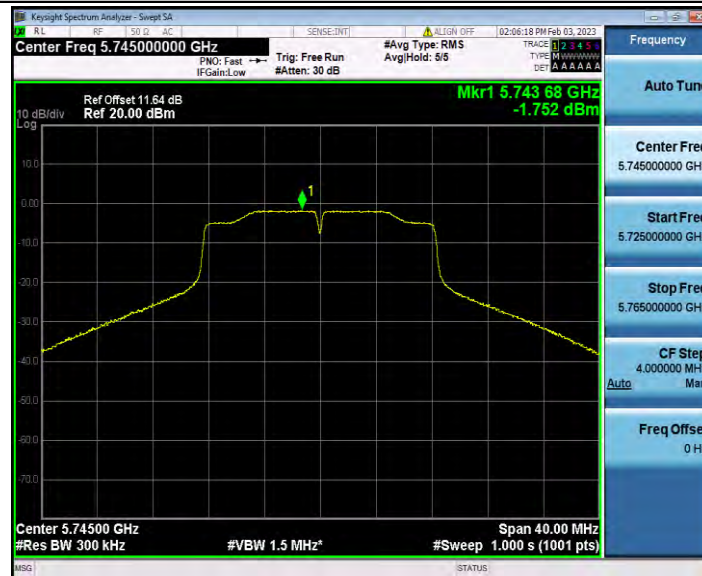
TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-1.75	≤30.00	PASS
		5785	-0.89	≤30.00	PASS
		5825	-1.18	≤30.00	PASS
11N20SISO	Ant1	5745	-1.11	≤30.00	PASS
		5785	-0.48	≤30.00	PASS
		5825	-1.06	≤30.00	PASS
11N40SISO	Ant1	5755	-4.13	≤30.00	PASS
		5795	-3.44	≤30.00	PASS
11AC20SISO	Ant1	5745	-1.59	≤30.00	PASS
		5785	-0.64	≤30.00	PASS
		5825	-1.42	≤30.00	PASS
11AC40SISO	Ant1	5755	-4.08	≤30.00	PASS
		5795	-3.84	≤30.00	PASS
11AC80SISO	Ant1	5775	-7.03	≤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



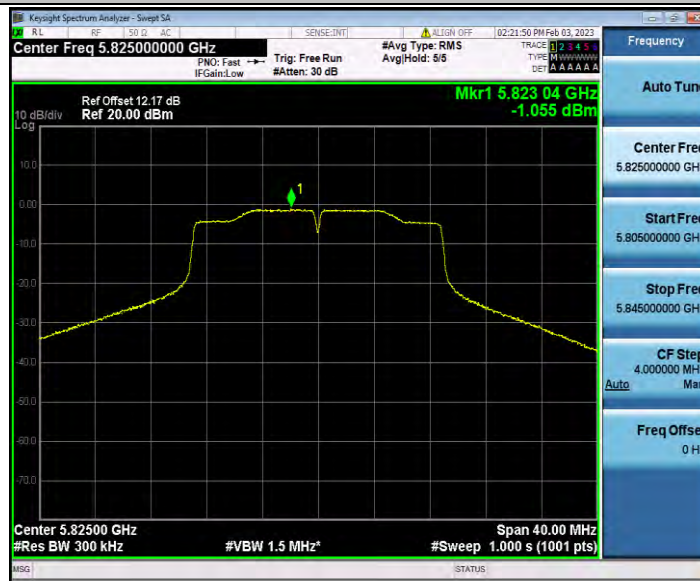
11N20SISO_Ant1_5745



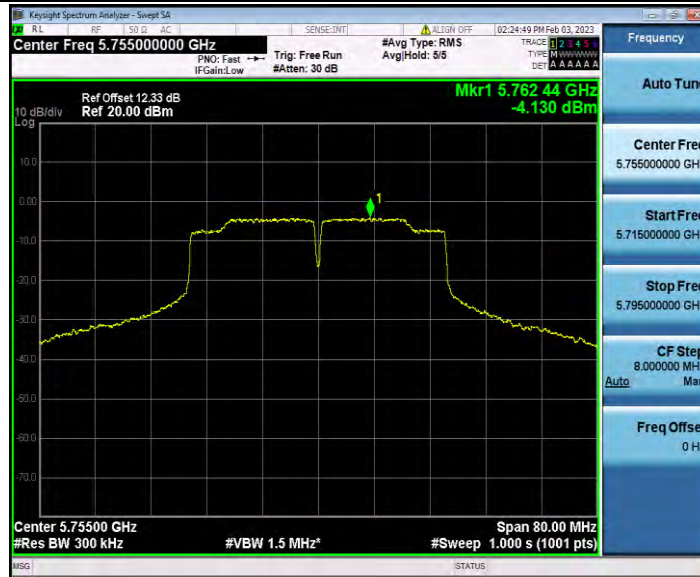
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



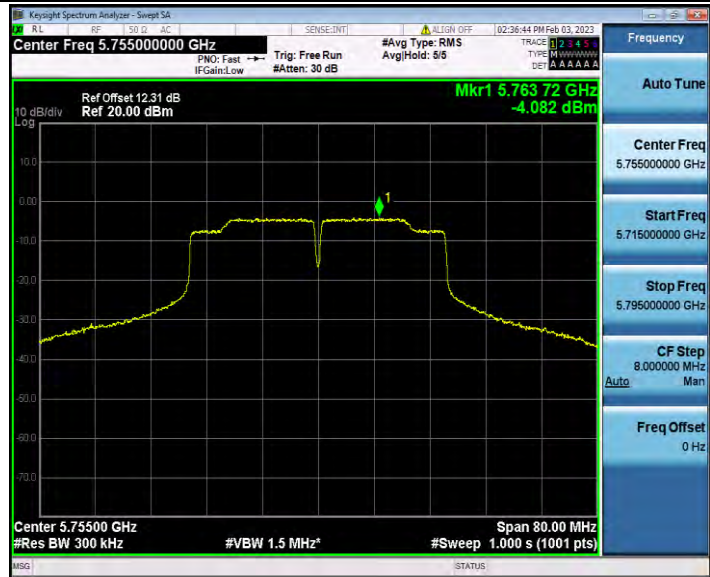
11AC20SISO_Ant1_5785



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[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-37.93	≤7.94	PASS
				5700~5720	-29.4	≤15.40	PASS
				5720~5725	-22.92	≤24.47	PASS
				5760~5650	-38.97	≤-27	PASS
		High	5825	5850~5855	-32.56	≤17.33	PASS
				5855~5875	-35.43	≤10.21	PASS
				5875~5925	-37.74	≤-5.78	PASS
				5925~5935	-38.39	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-35.29	≤7.08	PASS
				5700~5720	-26.14	≤15.56	PASS
				5720~5725	-19.97	≤24.47	PASS
				5760~5650	-38.15	≤-27	PASS
		High	5825	5850~5855	-31.67	≤18.56	PASS
				5855~5875	-35.2	≤10.02	PASS
				5875~5925	-37.92	≤-6.18	PASS
				5925~5935	-38.91	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-32.39	≤2.87	PASS
				5700~5720	-19.85	≤14.10	PASS
				5720~5725	-18.24	≤25.28	PASS
				5780~5650	-39.3	≤-27	PASS
		High	5795	5850~5855	-36.52	≤17.16	PASS
				5855~5875	-37	≤10.18	PASS
				5875~5925	-38.37	≤-1.16	PASS
				5925~5935	-38.28	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-37.25	≤8.02	PASS
				5700~5720	-28.27	≤15.53	PASS
				5720~5725	-18.81	≤26.30	PASS
				5760~5650	-39.46	≤-27	PASS
		High	5825	5850~5855	-32.27	≤15.79	PASS
				5855~5875	-34.84	≤10.06	PASS
				5875~5925	-37.11	≤-18.36	PASS
				5925~5935	-38.98	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-30.89	≤8.46	PASS
				5700~5720	-20.17	≤15.35	PASS
				5720~5725	-18.09	≤22.51	PASS
				5780~5650	-39.39	≤-27	PASS

		High	5795	5850~5855	-37.18	≤ 25.44	PASS
				5855~5875	-36.48	≤ 10.64	PASS
				5875~5925	-38.11	≤ -24.48	PASS
				5925~5935	-38.69	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-18.64	≤ 9.10	PASS
				5700~5720	-17.53	≤ 14.48	PASS
				5720~5725	-16	≤ 18.47	PASS
				5800~5650	-30.85	≤ -27	PASS
		High	5775	5850~5855	-20.9	≤ 17.06	PASS
				5855~5875	-23.56	≤ 10.70	PASS
				5875~5925	-30.22	≤ -26.41	PASS
				5925~5935	-36.93	≤ -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

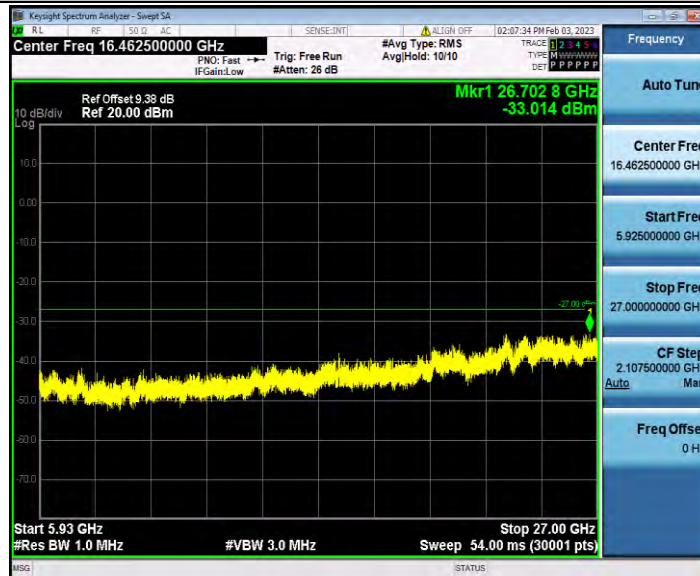
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5487.21	-40.81	≤-27	PASS
			5925~40000	26702.84	-33.01	≤-27	PASS
		5785	30~5650	1738.29	-37.07	≤-27	PASS
			5925~40000	26600.28	-31.78	≤-27	PASS
		5825	30~5650	5062.34	-40.61	≤-27	PASS
			5925~40000	24230.04	-32.07	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5424.83	-41.25	≤-27	PASS
			5925~40000	25260.61	-32.54	≤-27	PASS
		5785	30~5650	1747.66	-38.5	≤-27	PASS
			5925~40000	26773.09	-32.6	≤-27	PASS
		5825	30~5650	2749.71	-40.49	≤-27	PASS
			5925~40000	24285.54	-31.37	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	1764.14	-35.31	≤-27	PASS
			5925~40000	25583.76	-32.67	≤-27	PASS
		5795	30~5650	4903.48	-40.61	≤-27	PASS
			5925~40000	23485.39	-32.49	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	4963.61	-40.81	≤-27	PASS
			5925~40000	24726.01	-33.06	≤-27	PASS
		5785	30~5650	1737.36	-38.66	≤-27	PASS
			5925~40000	24213.89	-31.36	≤-27	PASS
		5825	30~5650	5526.73	-40.24	≤-27	PASS
			5925~40000	24760.43	-32.62	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5422.95	-40.79	≤-27	PASS
			5925~40000	24886.18	-32.85	≤-27	PASS
		5795	30~5650	5410.4	-40.5	≤-27	PASS
			5925~40000	26475.94	-32.65	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5647.94	-32.58	≤-27	PASS
			5925~40000	25077.96	-32.57	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650



11A_Ant1_5745_5925~40000



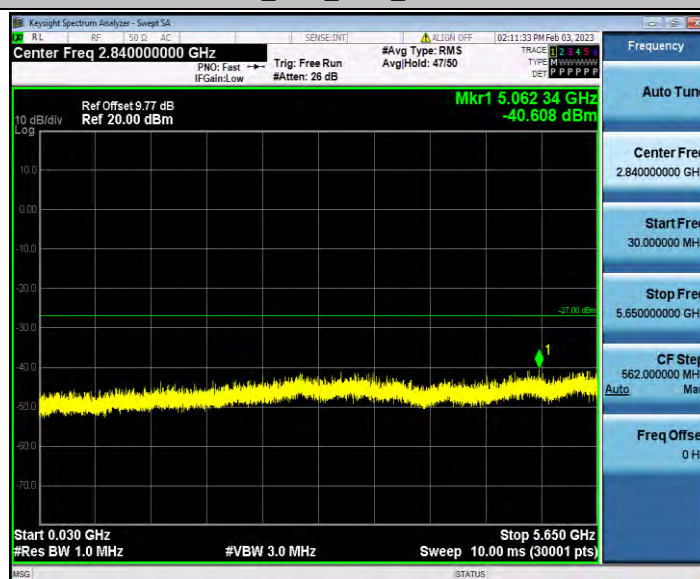
11A_Ant1_5785_30~5650



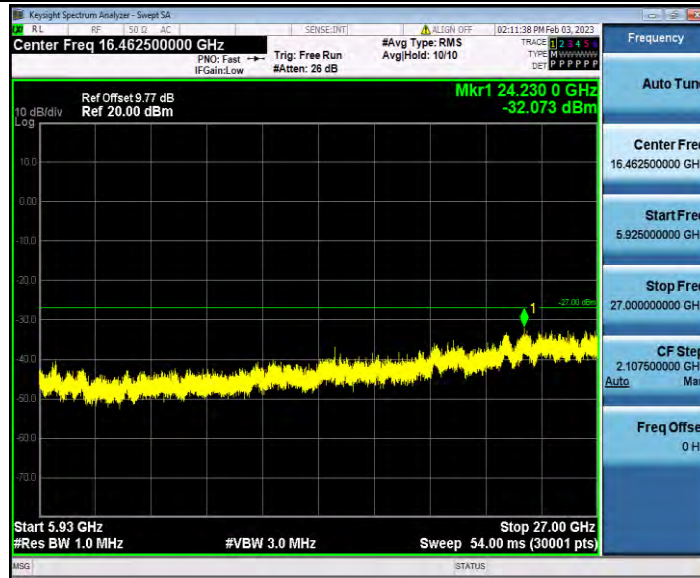
11A_Ant1_5785_5925~40000



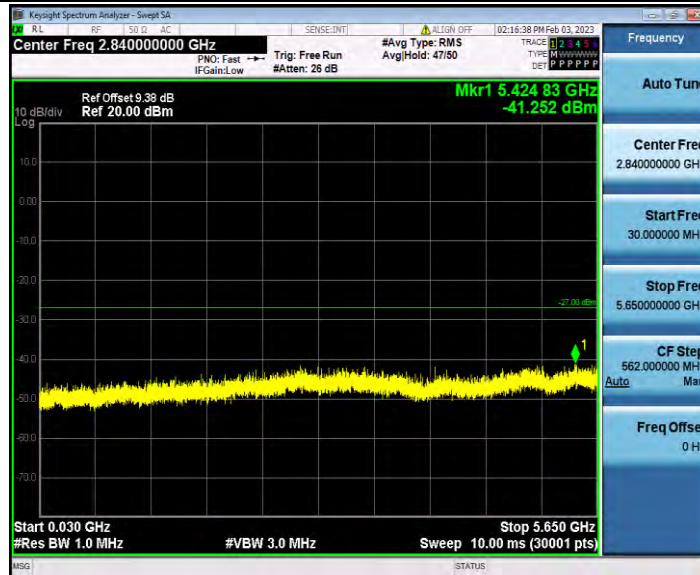
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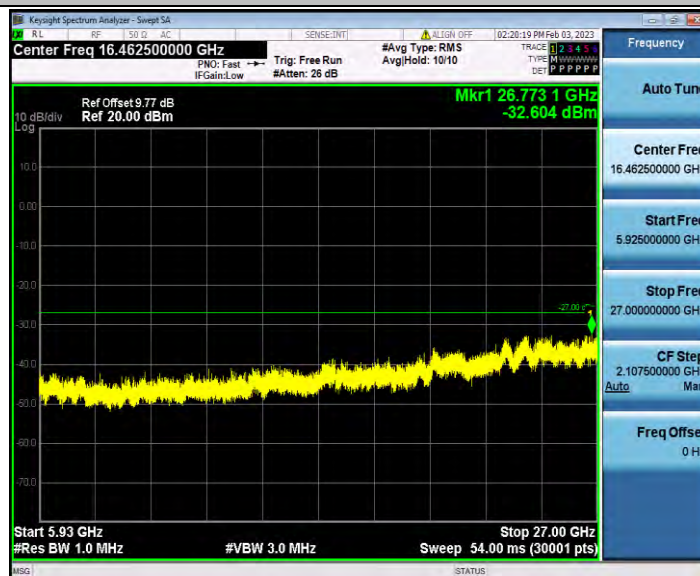
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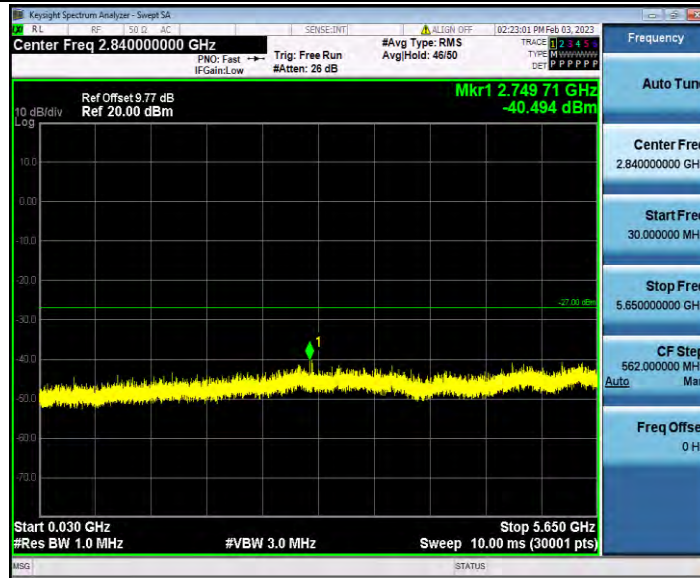
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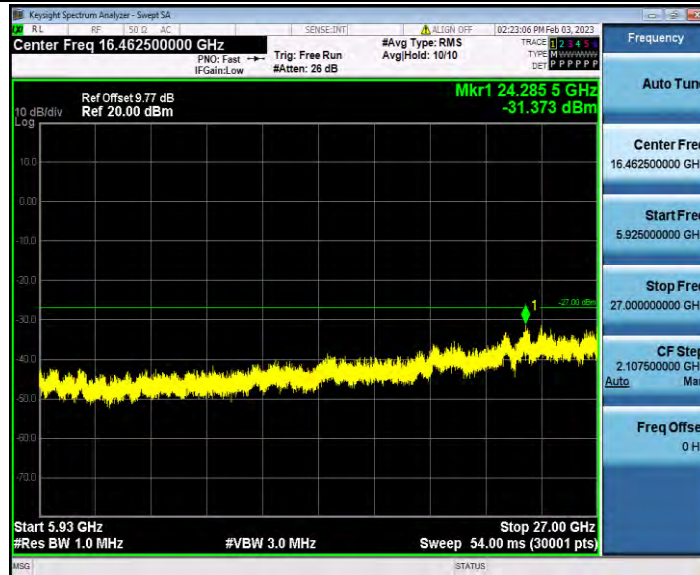
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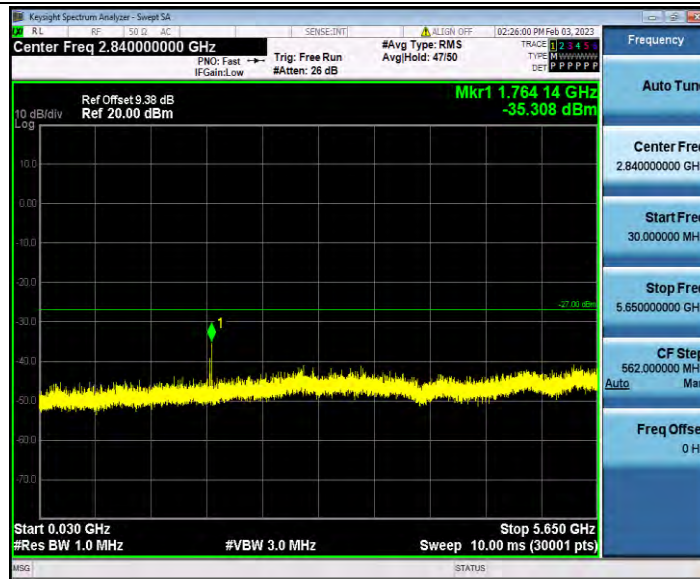
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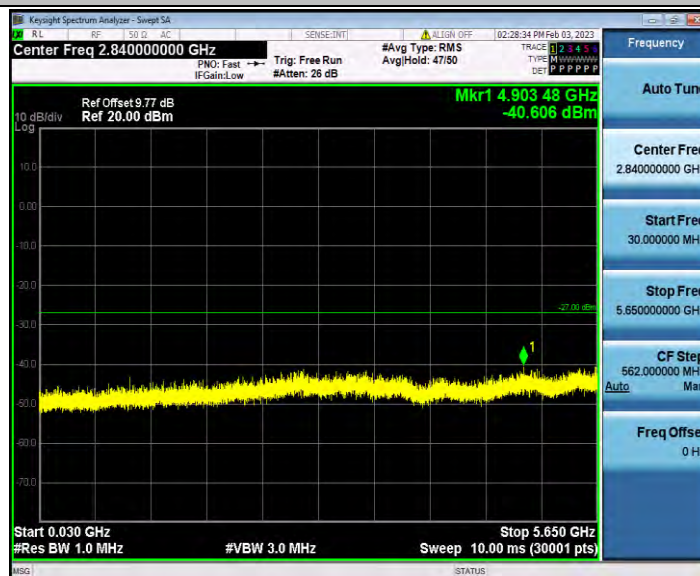
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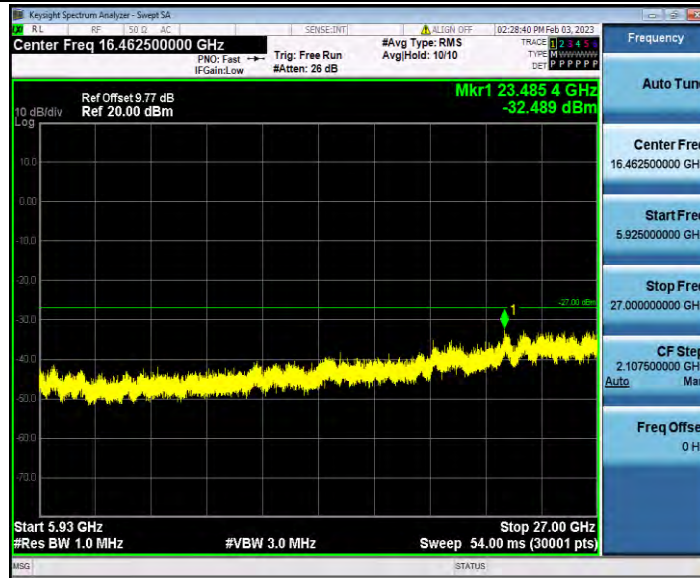
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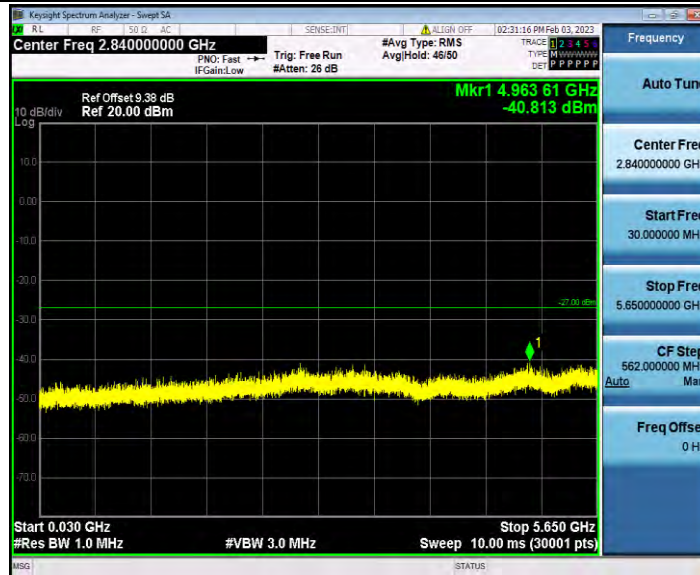
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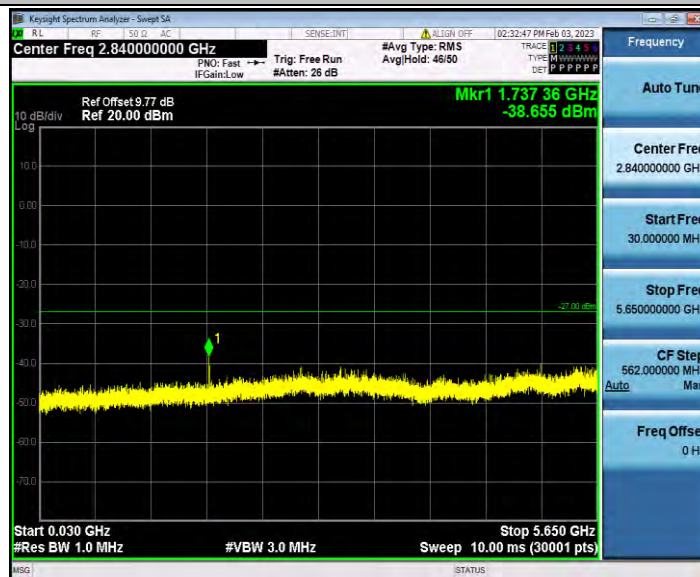
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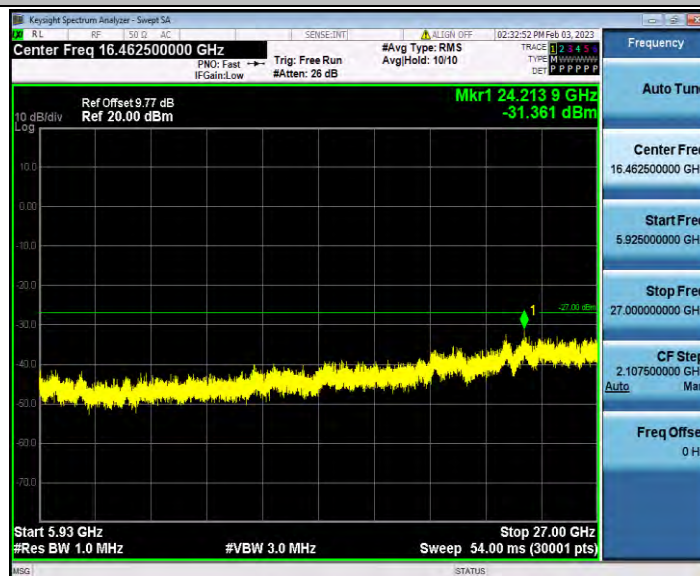
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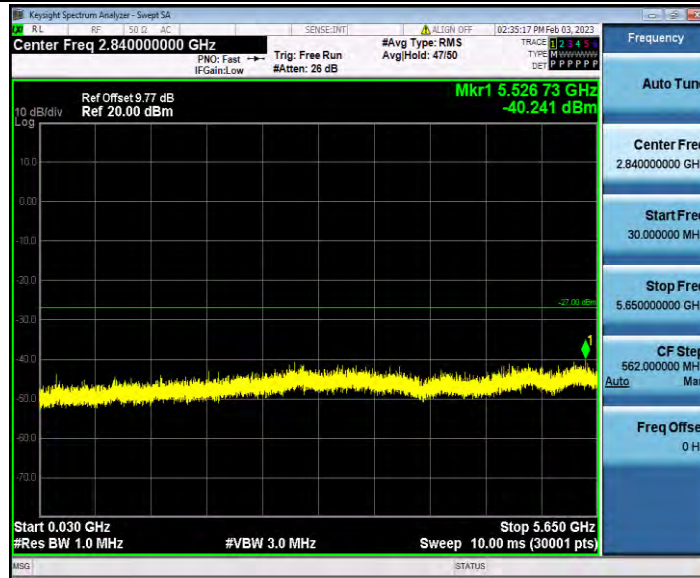
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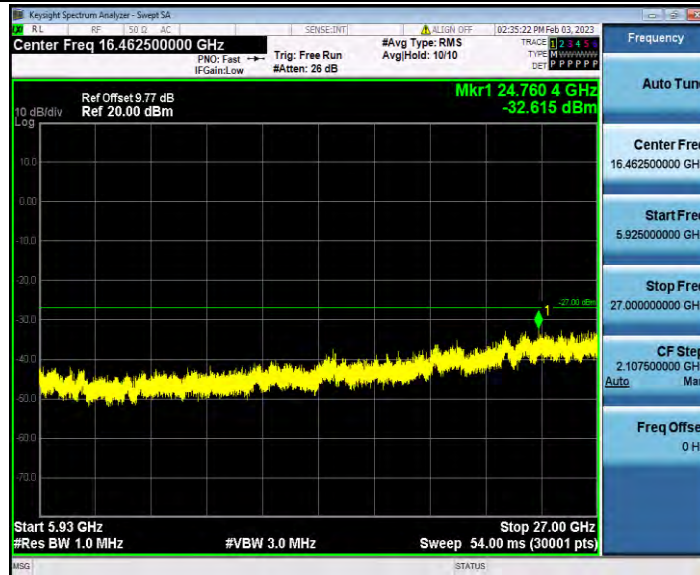
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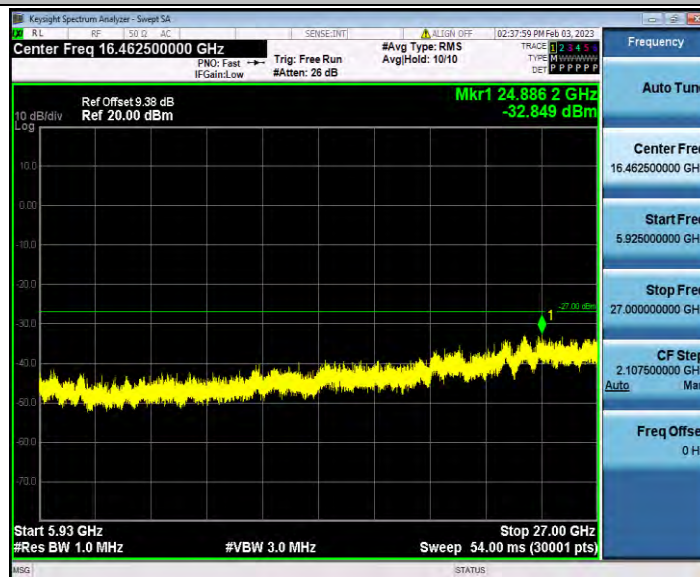
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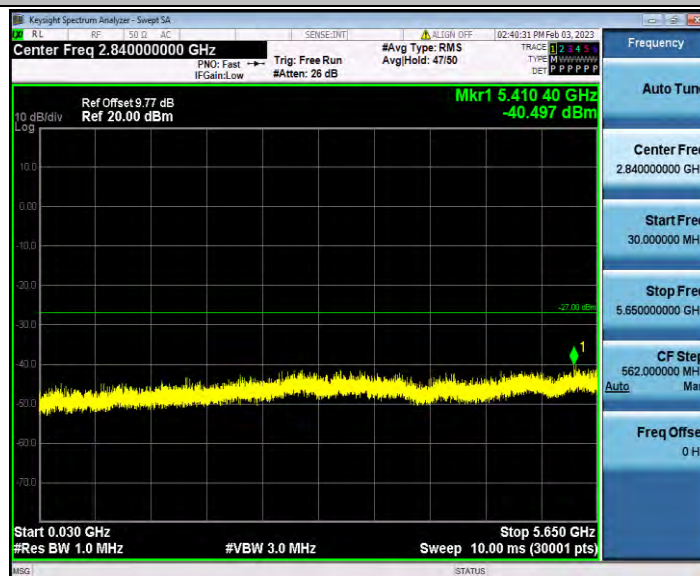
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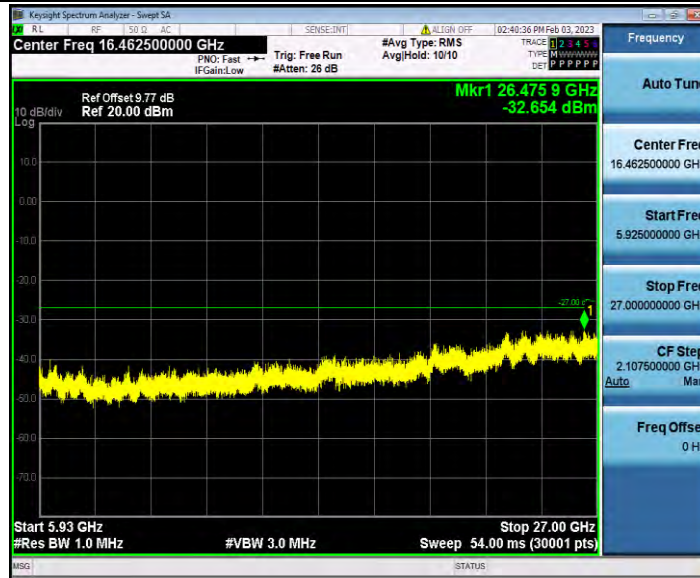
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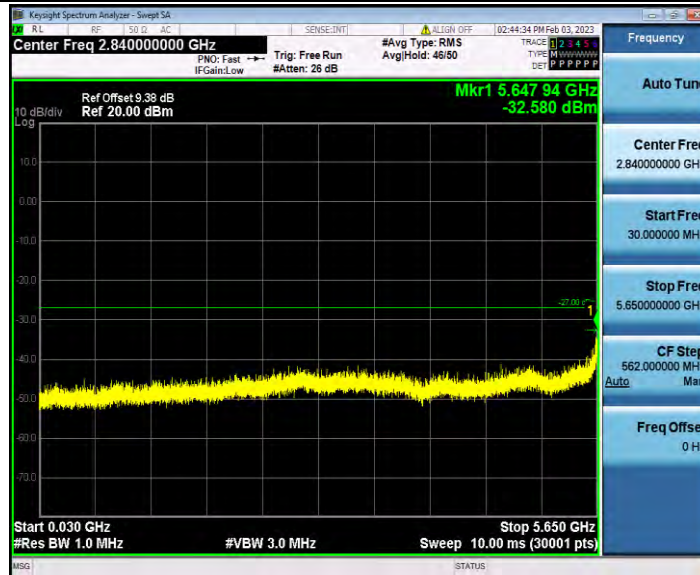
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