

Case No. : GTS20221219016-1-4	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2023.1.4	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	Ant2	5745	17.352	5736.331	5753.683	---	---
		5785	17.299	5776.371	5793.670	---	---
		5825	17.308	5816.306	5833.614	---	---
11N20SISO	Ant2	5745	18.365	5735.847	5754.212	---	---
		5785	18.363	5775.846	5794.209	---	---
		5825	18.372	5815.762	5834.134	---	---
11N40SISO	Ant2	5755	36.758	5736.617	5773.375	---	---
		5795	36.733	5776.584	5813.317	---	---
11AC20SISO	Ant2	5745	18.396	5735.844	5754.240	---	---
		5785	18.328	5775.850	5794.178	---	---
		5825	18.364	5815.782	5834.146	---	---
11AC40SISO	Ant2	5755	36.697	5736.674	5773.371	---	---
		5795	36.778	5776.570	5813.348	---	---
11AC80SISO	Ant2	5775	74.942	5737.591	5812.533	---	---

Test Graphs

11A_Ant2_5745



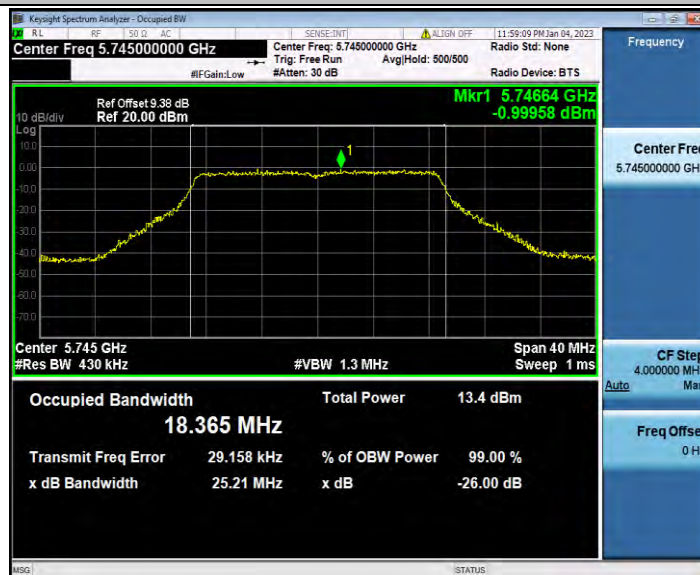
11A_Ant2_5785



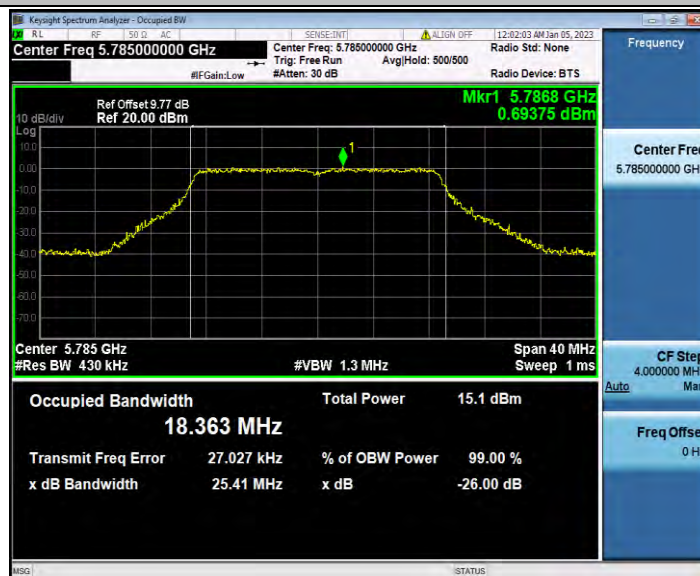
11A_Ant2_5825



11N20SISO_Ant2_5745



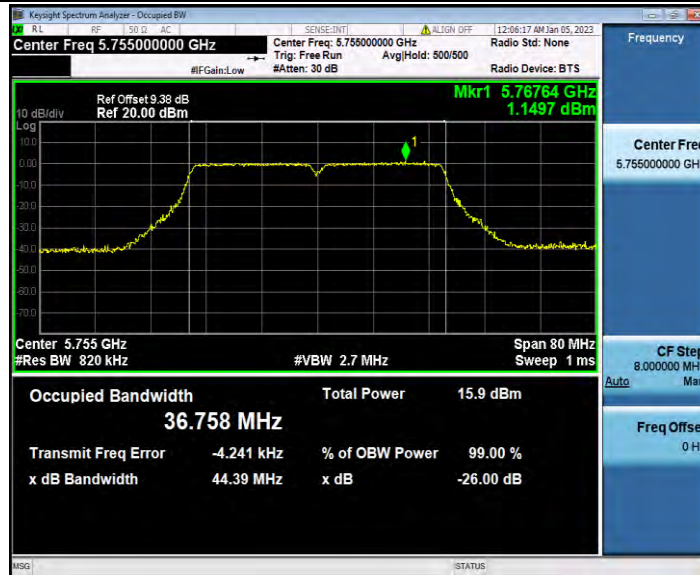
11N20SISO_Ant2_5785



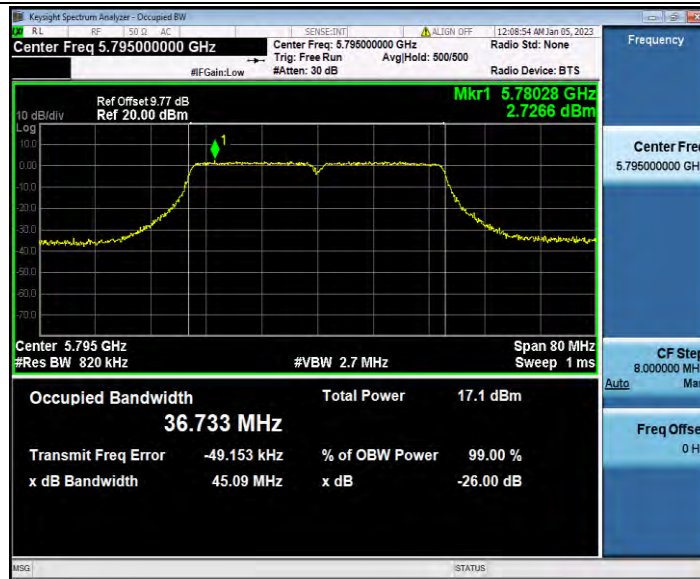
11N20SISO_Ant2_5825



11N40SISO_Ant2_5755



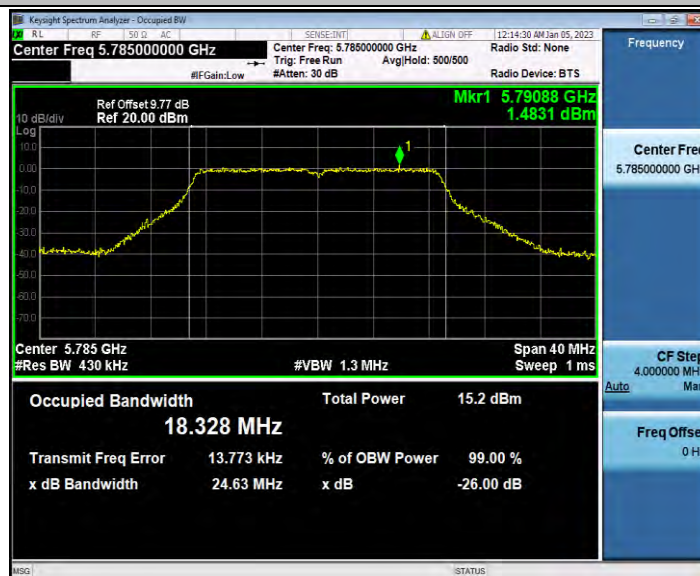
11N40SISO_Ant2_5795



11AC20SISO_Ant2_5745



11AC20SISO_Ant2_5785



11AC20SISO_Ant2_5825



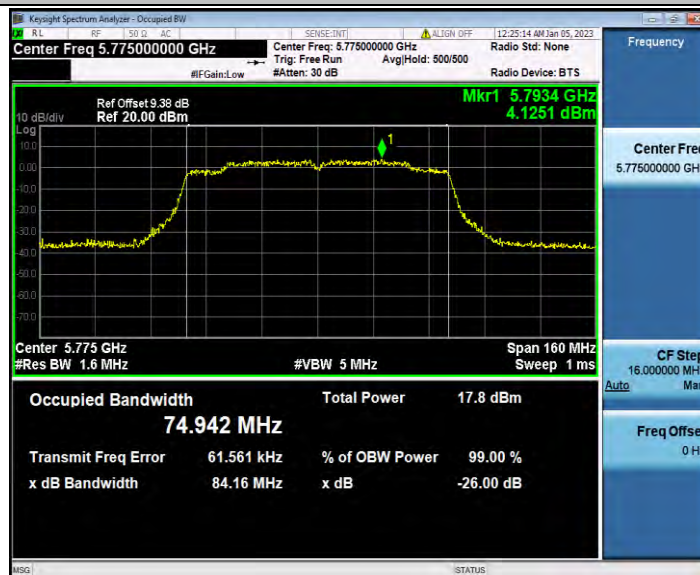
11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5775



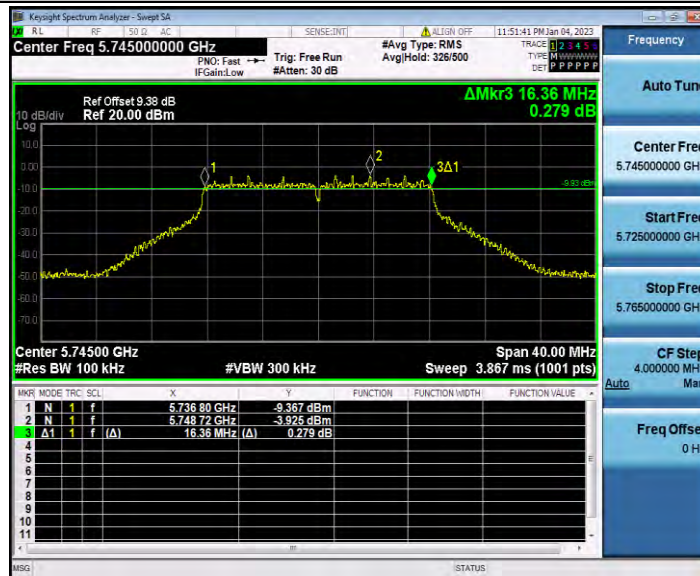
Appendix E.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5745	16.360	5736.800	5753.160	0.5	PASS
		5785	16.280	5776.840	5793.120	0.5	PASS
		5825	16.320	5816.800	5833.120	0.5	PASS
11N20SISO	Ant2	5745	17.560	5736.200	5753.760	0.5	PASS
		5785	17.560	5776.200	5793.760	0.5	PASS
		5825	17.560	5816.200	5833.760	0.5	PASS
11N40SISO	Ant2	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC20SISO	Ant2	5745	17.560	5736.200	5753.760	0.5	PASS
		5785	17.560	5776.200	5793.760	0.5	PASS
		5825	17.600	5816.160	5833.760	0.5	PASS
11AC40SISO	Ant2	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC80SISO	Ant2	5775	73.920	5737.400	5811.320	0.5	PASS

Test Graphs B4

11A_Ant2_5745



11A_Ant2_5785



11A_Ant2_5825



11N20SISO_Ant2_5745



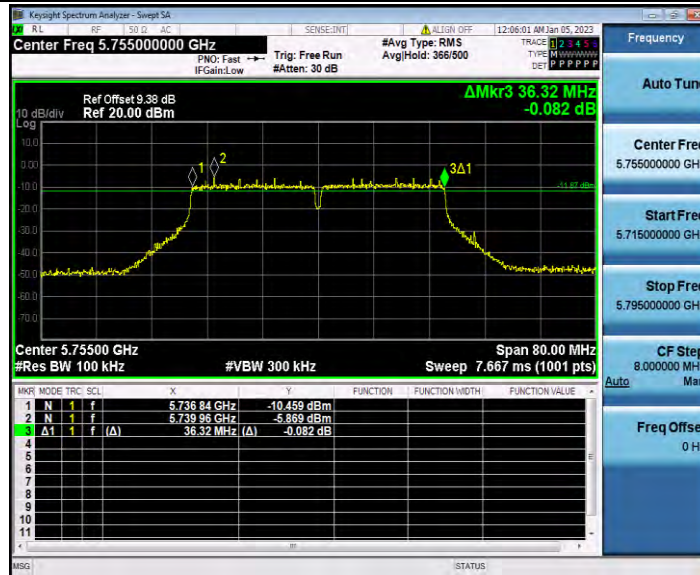
11N20SISO_Ant2_5785



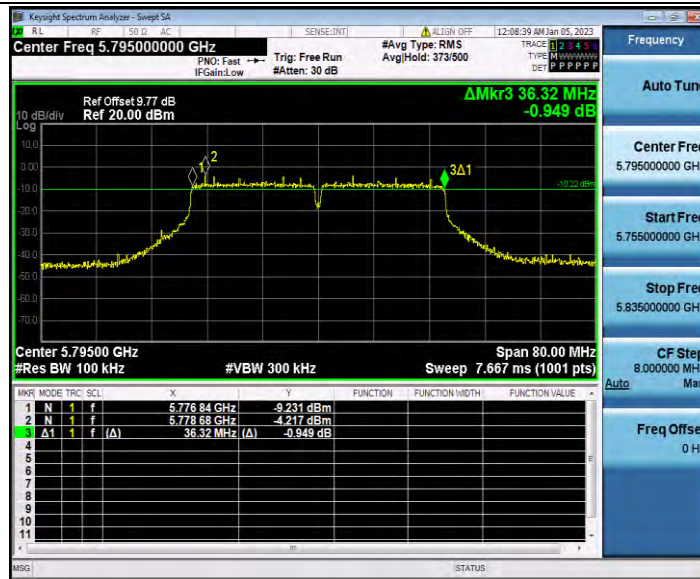
11N20SISO_Ant2_5825



11N40SISO_Ant2_5755



11N40SISO_Ant2_5795



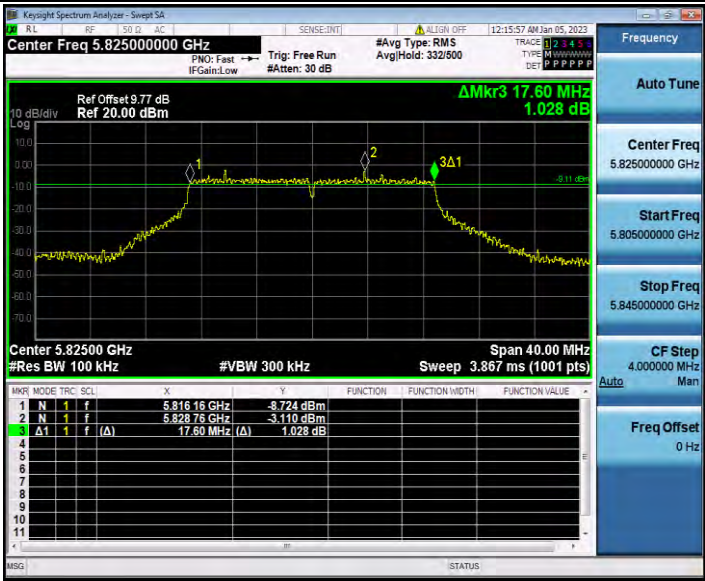
11AC20SISO_Ant2_5745



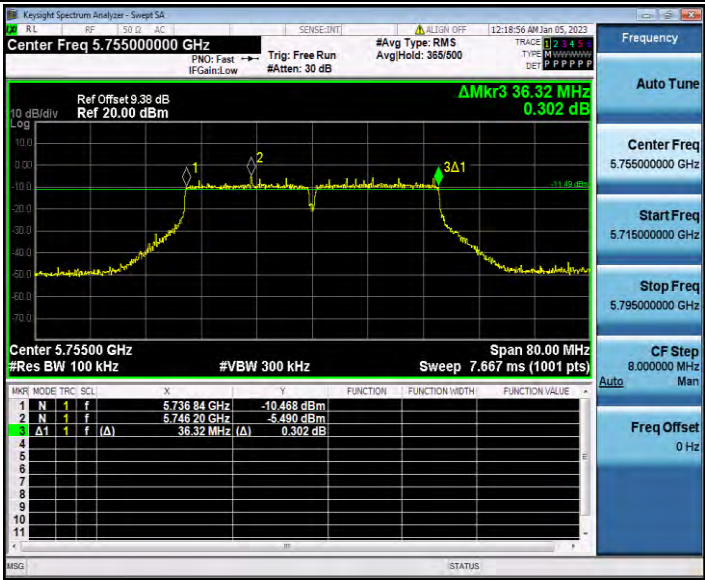
11AC20SISO_Ant2_5785



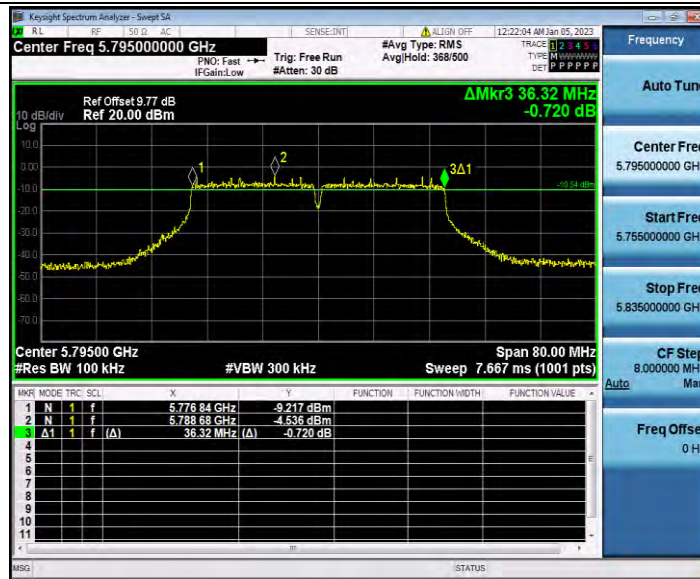
11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



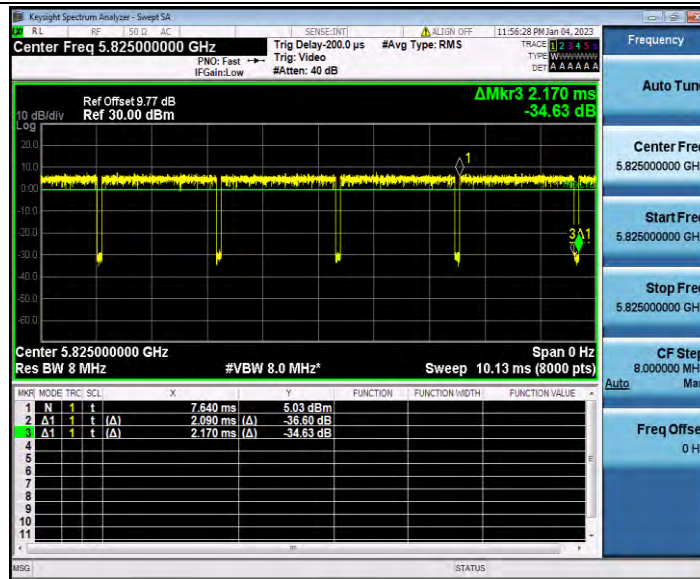
11AC80SISO_Ant2_5775



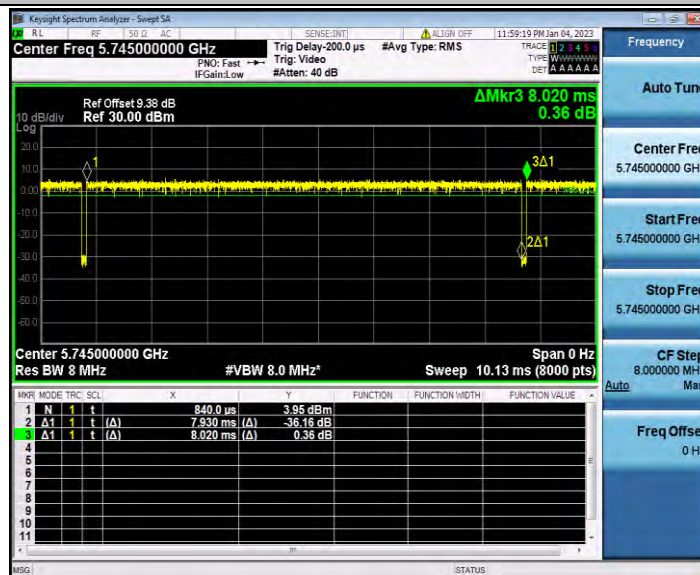
Appendix E.3: Duty Cycle

Test Result

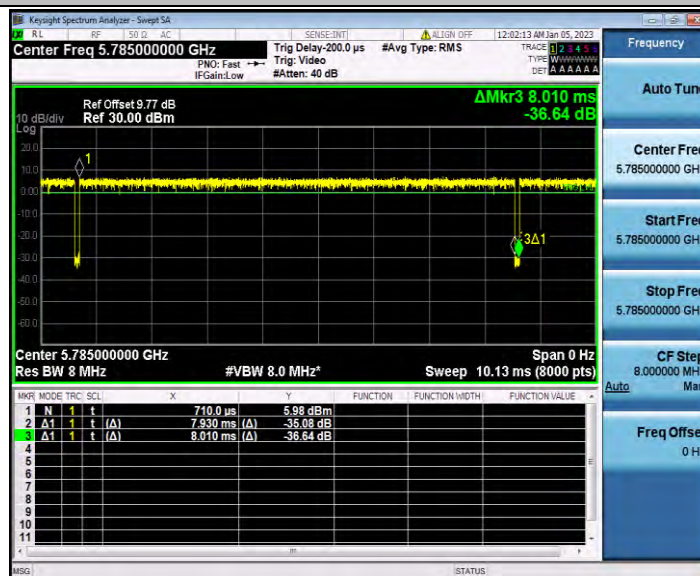
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant2	5745	2.09	2.17	96.31
		5785	2.09	2.17	96.31
		5825	2.09	2.17	96.31
11N20SISO	Ant2	5745	7.93	8.02	98.88
		5785	7.93	8.01	99.00
		5825	7.93	8.01	99.00
11N40SISO	Ant2	5755	7.93	8.02	98.88
		5795	7.94	8.03	98.88
11AC20SISO	Ant2	5745	7.93	8.02	98.88
		5785	7.93	8.02	98.88
		5825	7.92	8.01	98.88
11AC40SISO	Ant2	5755	7.91	7.99	99.00
		5795	7.91	8.00	98.88
11AC80SISO	Ant2	5775	7.93	8.02	98.88



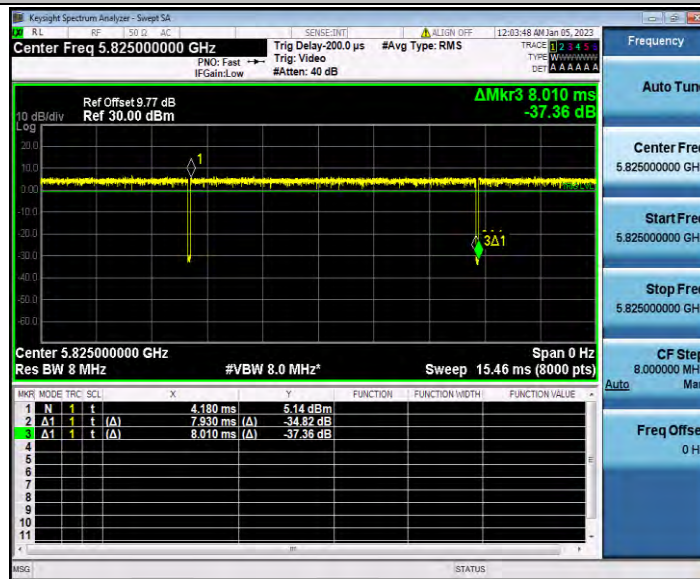
11N20SISO_Ant2_5745



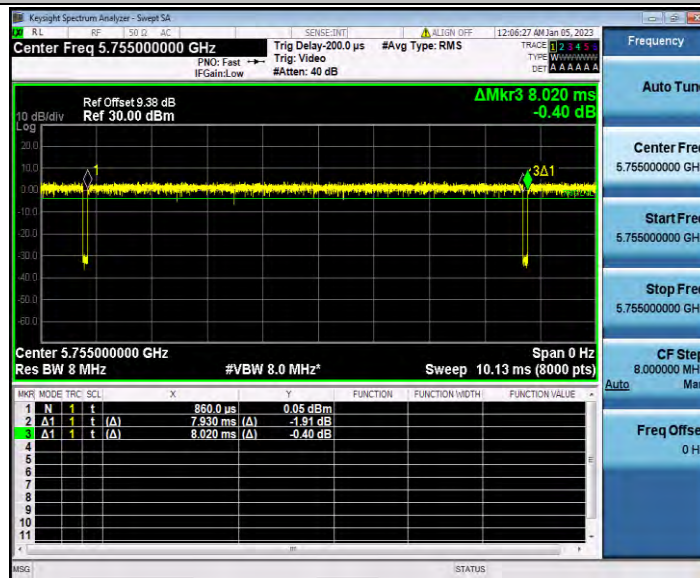
11N20SISO_Ant2_5785



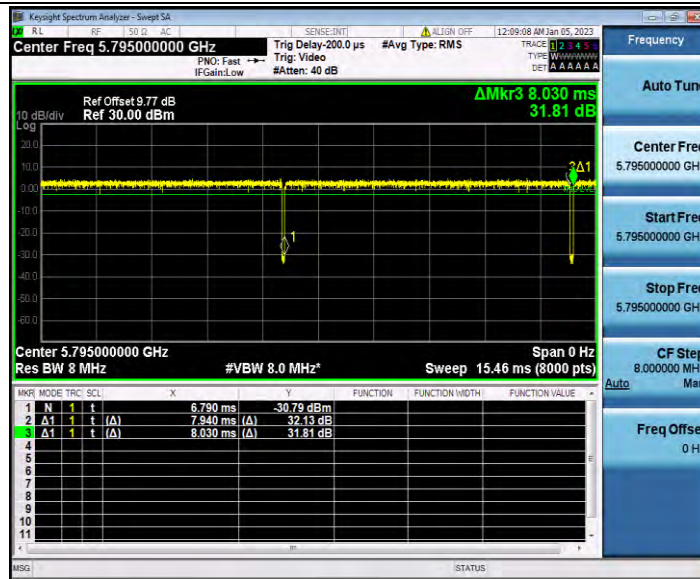
11N20SISO_Ant2_5825



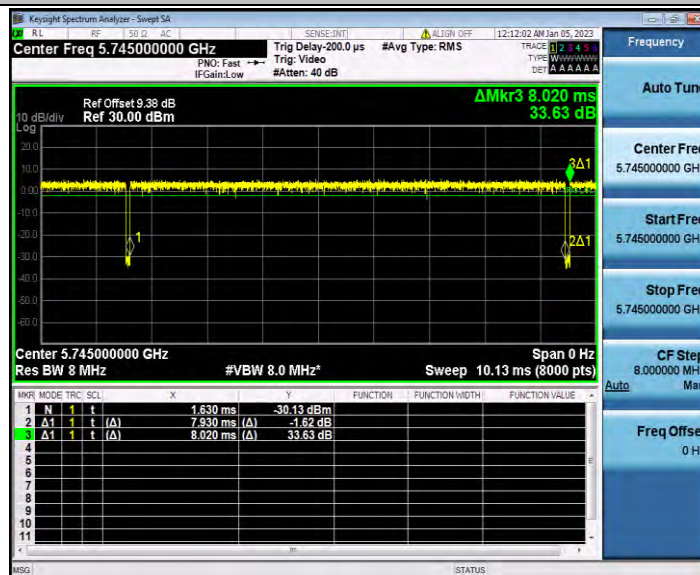
11N40SISO_Ant2_5755



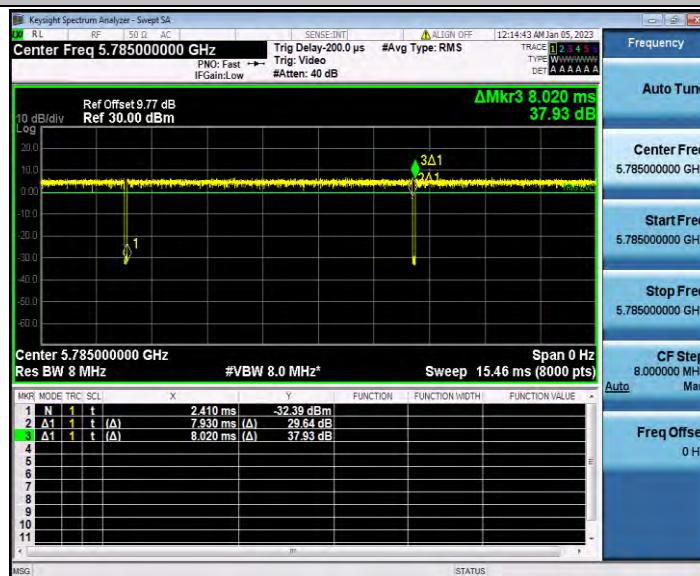
11N40SISO_Ant2_5795



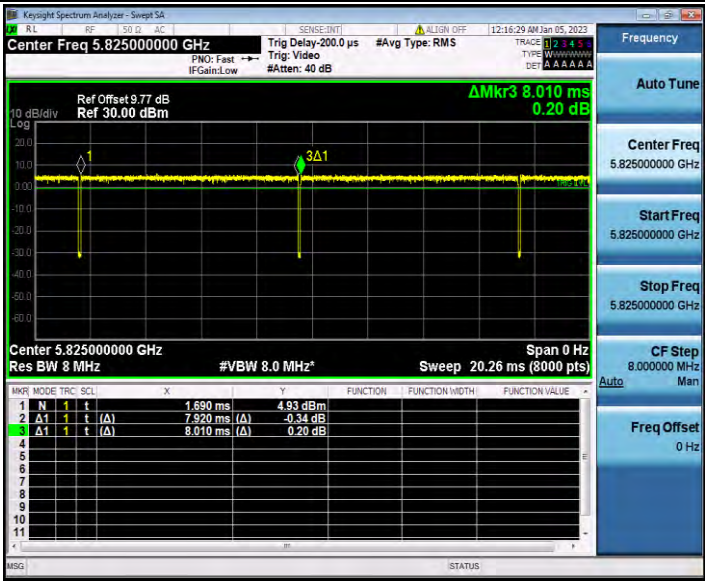
11AC20SISO_Ant2_5745



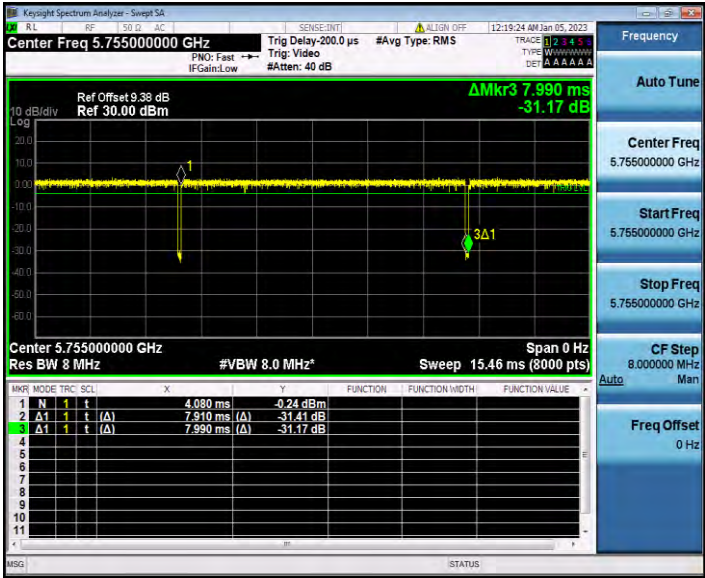
11AC20SISO_Ant2_5785



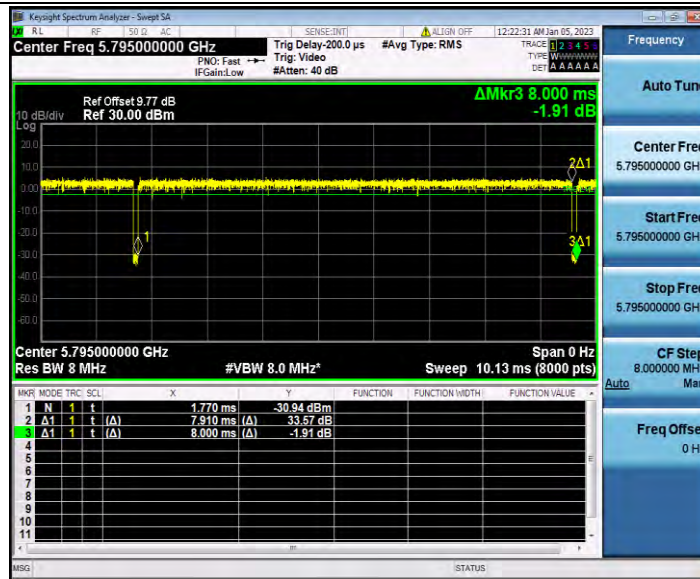
11AC20SISO_Ant2_5825



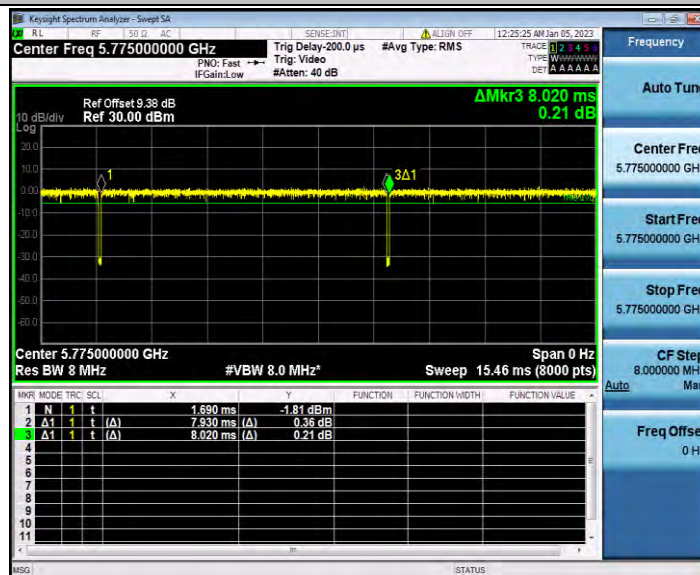
11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



11AC80SISO_Ant2_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	Ant2	5745	6.54	96.31	0.16	6.70	≤30.00	PASS
		5785	8.25	96.31	0.16	8.41	≤30.00	PASS
		5825	7.92	96.31	0.16	8.08	≤30.00	PASS
11N20SISO	Ant2	5745	6.57	98.88	0.05	6.62	≤30.00	PASS
		5785	8.27	99.00	0.04	8.31	≤30.00	PASS
		5825	8.03	99.00	0.04	8.07	≤30.00	PASS
11N40SISO	Ant2	5755	8.28	98.88	0.05	8.33	≤30.00	PASS
		5795	9.54	98.88	0.05	9.59	≤30.00	PASS
11AC20SISO	Ant2	5745	6.52	98.88	0.05	6.57	≤30.00	PASS
		5785	8.30	98.88	0.05	8.35	≤30.00	PASS
		5825	8.00	98.88	0.05	8.05	≤30.00	PASS
11AC40SISO	Ant2	5755	8.20	99.00	0.04	8.24	≤30.00	PASS
		5795	9.48	98.88	0.05	9.53	≤30.00	PASS
11AC80SISO	Ant2	5775	8.84	98.88	0.05	8.89	≤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	Ant2	5745	-7.64	≤30.00	PASS
		5785	-6.22	≤30.00	PASS
		5825	-6.34	≤30.00	PASS
11N20SISO	Ant2	5745	-8.23	≤30.00	PASS
		5785	-6.64	≤30.00	PASS
		5825	-6.77	≤30.00	PASS
11N40SISO	Ant2	5755	-9.36	≤30.00	PASS
		5795	-8.25	≤30.00	PASS
11AC20SISO	Ant2	5745	-8.22	≤30.00	PASS
		5785	-6.61	≤30.00	PASS
		5825	-6.81	≤30.00	PASS
11AC40SISO	Ant2	5755	-9.52	≤30.00	PASS
		5795	-8.21	≤30.00	PASS
11AC80SISO	Ant2	5775	-11.32	≤30.00	PASS

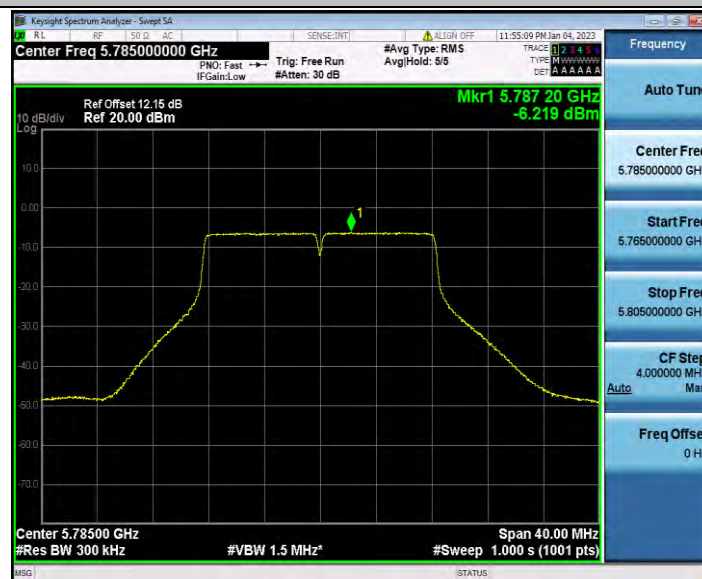
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A_Ant2_5745



11A_Ant2_5785



11A_Ant2_5825



11N20SISO_Ant2_5745



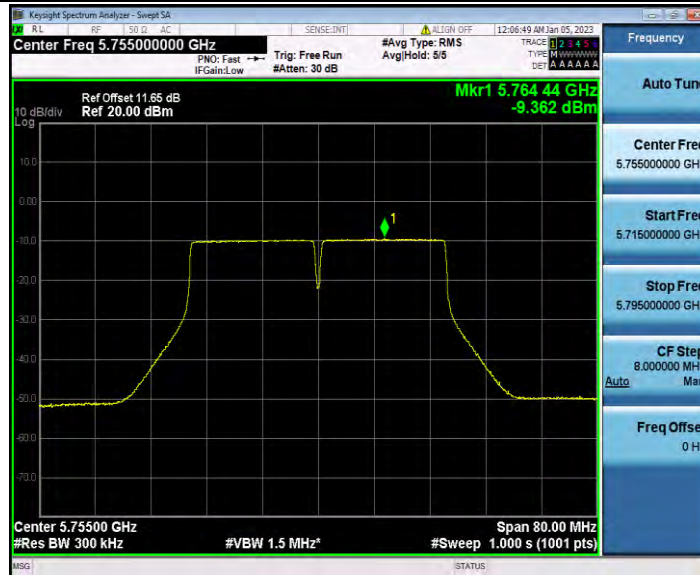
11N20SISO_Ant2_5785



11N20SISO_Ant2_5825



11N40SISO_Ant2_5755



11N40SISO_Ant2_5795



11AC20SISO_Ant2_5745



11AC20SISO_Ant2_5785



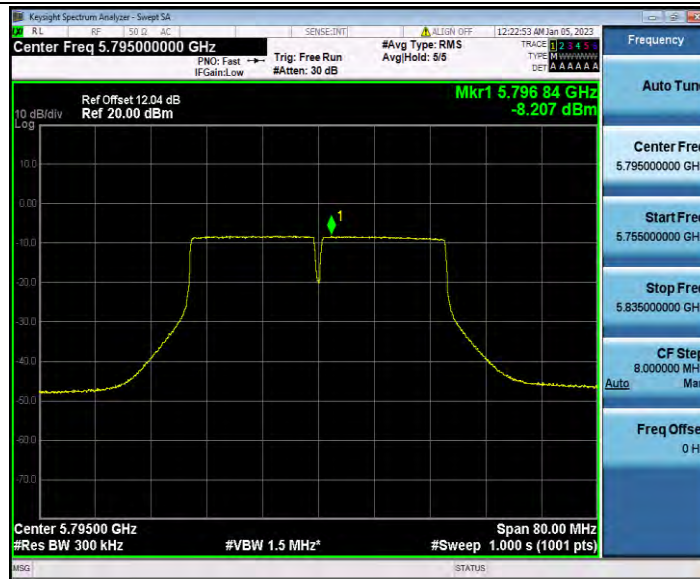
11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



11AC80ISO_Ant2_5775



Appendix E.6: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	Low	5745	5650~5700	-39.77	≤-6.53	PASS
				5700~5720	-39.53	≤13.44	PASS
				5720~5725	-37.57	≤23.42	PASS
				5760~5650	-40.62	≤-27	PASS
		High	5825	5850~5855	-35.77	≤18.56	PASS
				5855~5875	-37.85	≤13.05	PASS
				5875~5925	-38.6	≤-19.26	PASS
				5925~5935	-38.68	≤-27	PASS
11N20SI SO	Ant2	Low	5745	5650~5700	-39.34	≤-4.83	PASS
				5700~5720	-39.13	≤12.99	PASS
				5720~5725	-37.23	≤24.73	PASS
				5760~5650	-39.99	≤-27	PASS
		High	5825	5850~5855	-36.88	≤15.79	PASS
				5855~5875	-37.27	≤10.93	PASS
				5875~5925	-38	≤-18.66	PASS
				5925~5935	-38.67	≤-27	PASS
11N40SI SO	Ant2	Low	5755	5650~5700	-38.89	≤9.56	PASS
				5700~5720	-37.88	≤14.71	PASS
				5720~5725	-38.62	≤18.51	PASS
				5780~5650	-40.92	≤-27	PASS
		High	5795	5850~5855	-35.64	≤21.68	PASS
				5855~5875	-35.42	≤10.18	PASS
				5875~5925	-37.7	≤-16.91	PASS
				5925~5935	-38.32	≤-27	PASS
11AC20S ISO	Ant2	Low	5745	5650~5700	-39.03	≤-3.98	PASS
				5700~5720	-39.66	≤15.59	PASS
				5720~5725	-37.68	≤26.83	PASS
				5760~5650	-40.37	≤-27	PASS
		High	5825	5850~5855	-35.57	≤15.79	PASS
				5855~5875	-37.39	≤10.17	PASS
				5875~5925	-38.18	≤-8.47	PASS
				5925~5935	-38.79	≤-27	PASS
11AC40S ISO	Ant2	Low	5755	5650~5700	-39.03	≤1.07	PASS
				5700~5720	-38.02	≤14.79	PASS
				5720~5725	-37.71	≤24.05	PASS

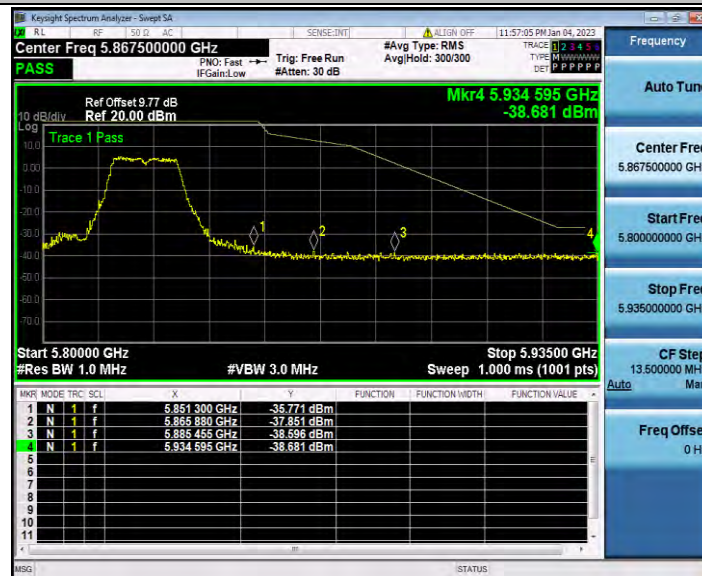
		High	5795	5780~5650	-40.24	≤ -27	PASS
				5850~5855	-35.36	≤ 19.42	PASS
				5855~5875	-36.16	≤ 10.13	PASS
				5875~5925	-37.69	≤ -4.94	PASS
				5925~5935	-38.96	≤ -27	PASS
11AC80S ISO	Ant2	Low	5775	5650~5700	-37.83	≤ 5.89	PASS
				5700~5720	-35.21	≤ 12.09	PASS
				5720~5725	-36.73	≤ 26.60	PASS
				5800~5650	-39.88	≤ -27	PASS
		High	5775	5850~5855	-37.76	≤ 24.23	PASS
				5855~5875	-37.76	≤ 15.36	PASS
				5875~5925	-37.77	≤ -25.31	PASS
				5925~5935	-37.94	≤ -27	PASS

Test Graphs B4

11A_Ant2_Low_5745



11A_Ant2_High_5825



11N20SISO_Ant2_Low_5745



11N20SISO_Ant2_High_5825



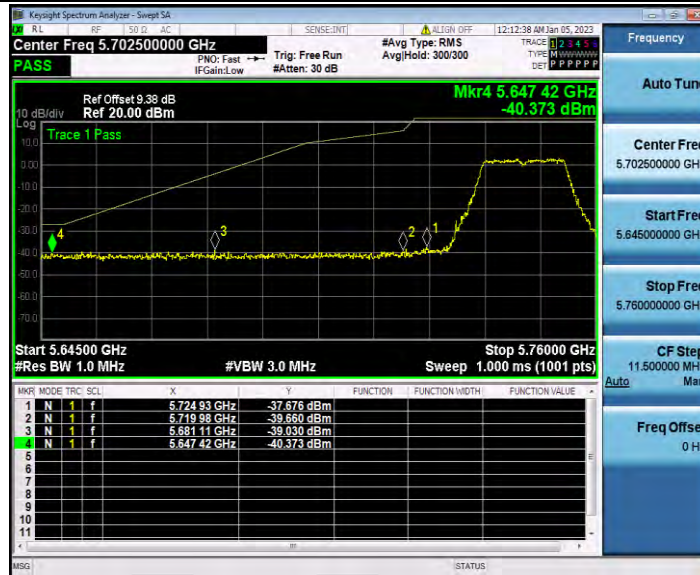
11N40SISO_Ant2_Low_5755



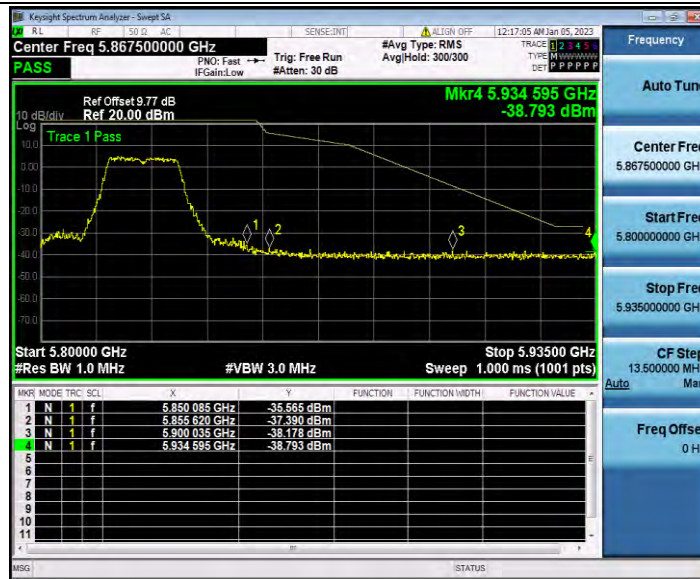
11N40SISO_Ant2_High_5795



11AC20SISO_Ant2_Low_5745



11AC20SISO_Ant2_High_5825



11AC40SISO_Ant2_Low_5755



11AC40SISO_Ant2_High_5795



11AC80SISO_Ant2_Low_5775



11AC80SISO_Ant2_High_5775



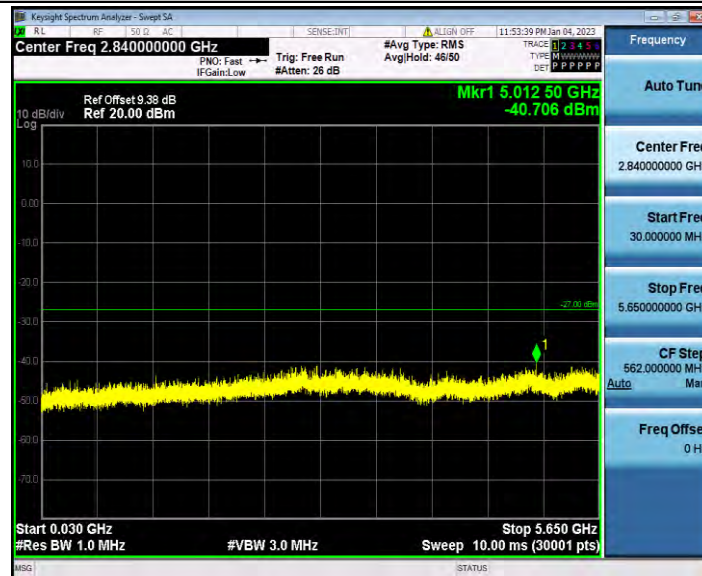
Appendix E.7: Conducted Spurious Emission

Test Result

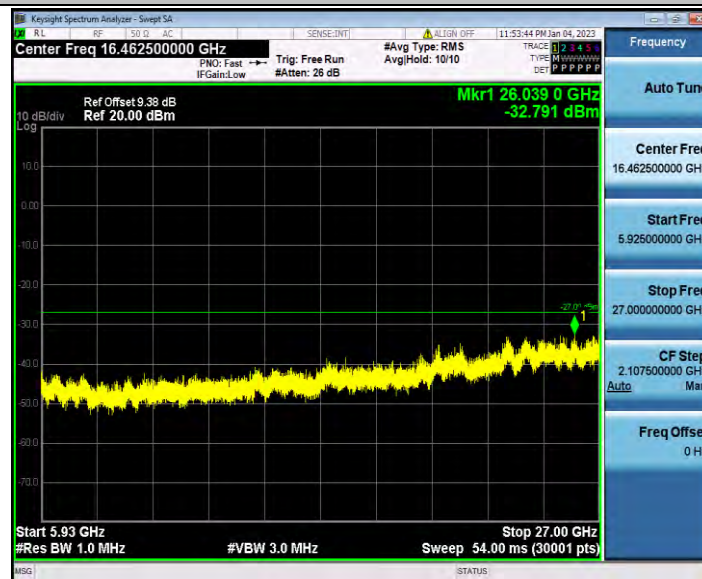
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant2	5745	30~5650	5012.5	-40.71	≤-27	PASS
			5925~40000	26038.98	-32.79	≤-27	PASS
		5785	30~5650	5383.42	-40.68	≤-27	PASS
			5925~40000	26043.2	-31.7	≤-27	PASS
		5825	30~5650	3183.19	-39.71	≤-27	PASS
			5925~40000	26068.49	-31.3	≤-27	PASS
11N20SISO	Ant2	5745	30~5650	4957.05	-40.65	≤-27	PASS
			5925~40000	25689.14	-32.8	≤-27	PASS
		5785	30~5650	2637.87	-40.41	≤-27	PASS
			5925~40000	24272.19	-32.4	≤-27	PASS
		5825	30~5650	5414.33	-40.34	≤-27	PASS
			5925~40000	24236.37	-32.02	≤-27	PASS
11N40SISO	Ant2	5755	30~5650	3318.82	-39.92	≤-27	PASS
			5925~40000	24193.51	-33.22	≤-27	PASS
		5795	30~5650	4845.97	-40.27	≤-27	PASS
			5925~40000	24893.2	-31.73	≤-27	PASS
11AC20SISO	Ant2	5745	30~5650	4938.32	-41.01	≤-27	PASS
			5925~40000	25975.05	-33.18	≤-27	PASS
		5785	30~5650	2646.48	-39.95	≤-27	PASS
			5925~40000	24828.57	-32.25	≤-27	PASS
		5825	30~5650	4987.96	-40.5	≤-27	PASS
			5925~40000	26034.77	-32.68	≤-27	PASS
11AC40SISO	Ant2	5755	30~5650	5486.83	-40.89	≤-27	PASS
			5925~40000	26641.73	-32.53	≤-27	PASS
		5795	30~5650	5401.03	-40.41	≤-27	PASS
			5925~40000	26447.84	-32.24	≤-27	PASS
11AC80SISO	Ant2	5775	30~5650	4837.72	-41.11	≤-27	PASS
			5925~40000	26819.46	-32.36	≤-27	PASS

Test Graphs

11A_Ant2_5745_30~5650



11A_Ant2_5745_5925~40000



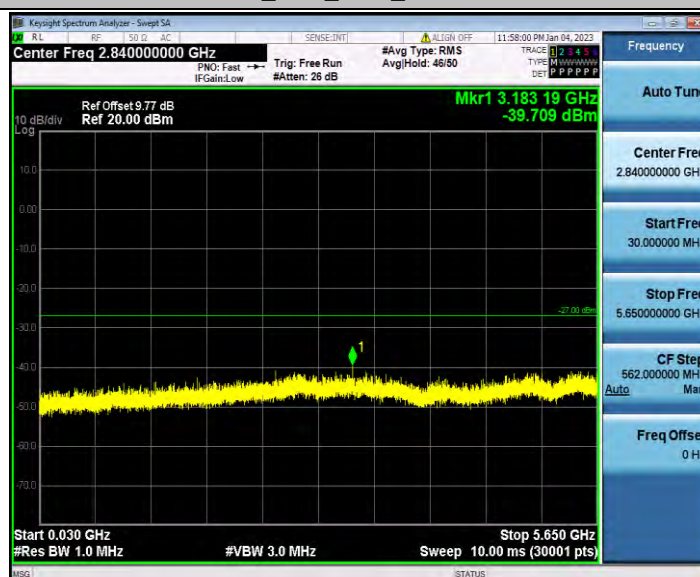
11A_Ant2_5785_30~5650



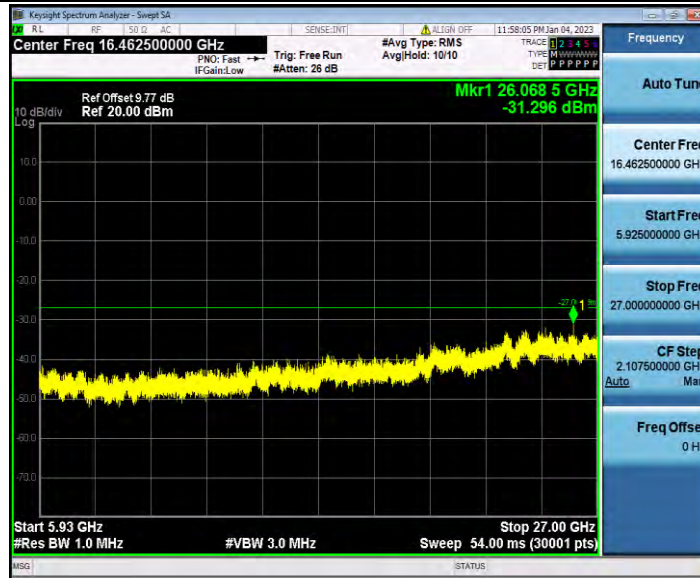
11A_Ant2_5785_5925~40000



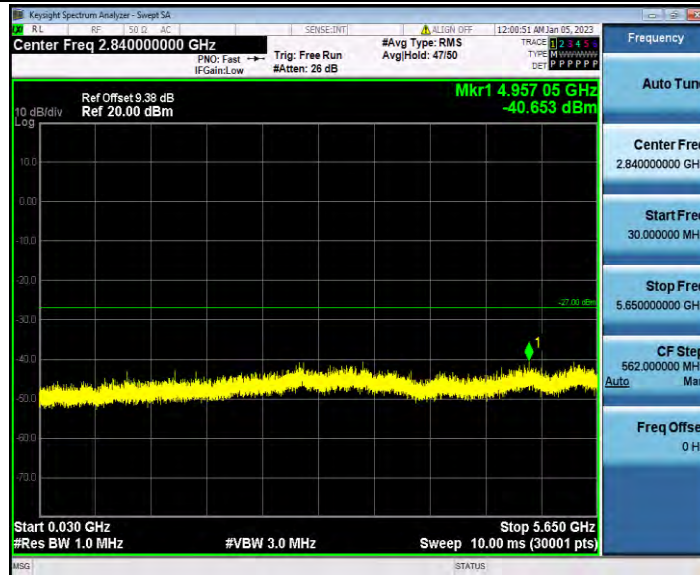
11A_Ant2_5825_30~5650



11A_Ant2_5825_5925~40000



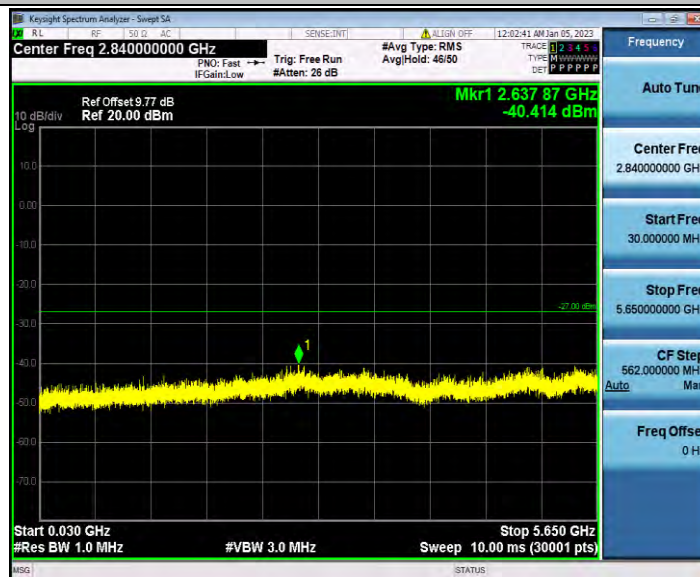
11N20SISO_Ant2_5745_30~5650



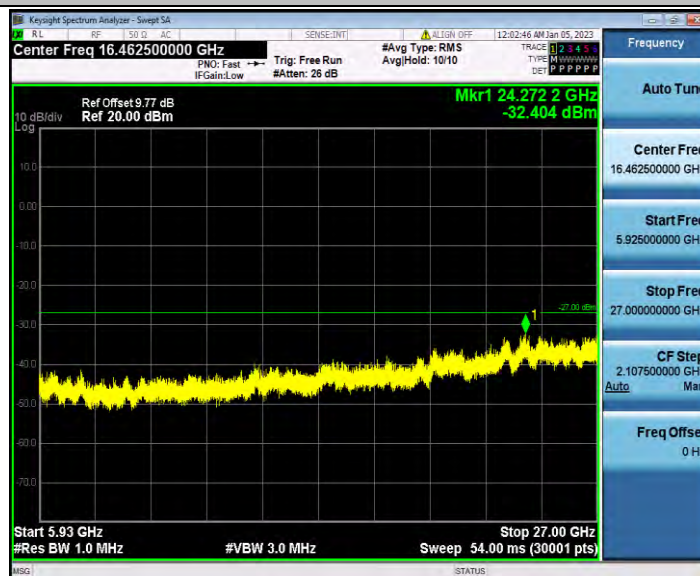
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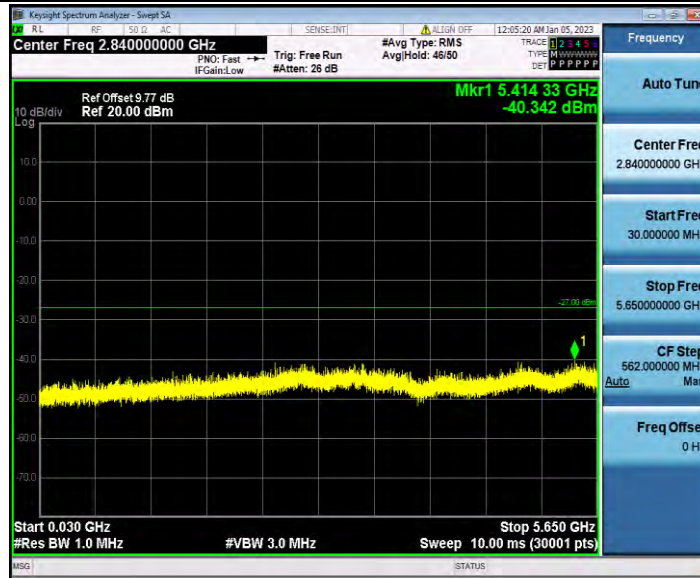
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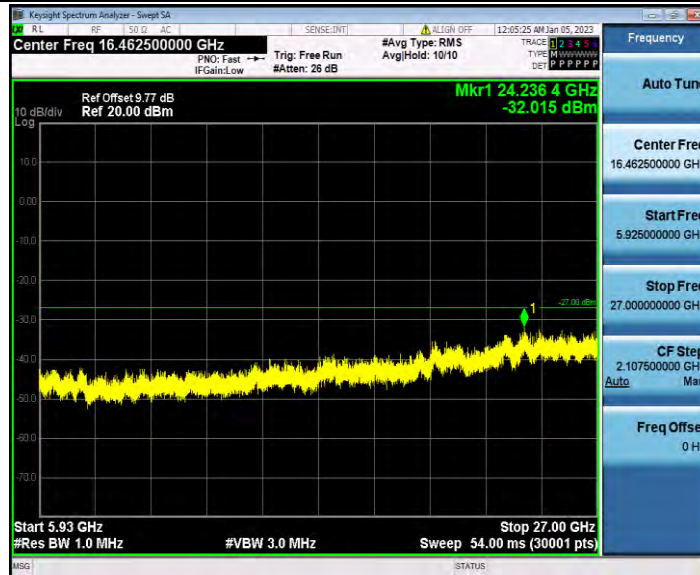
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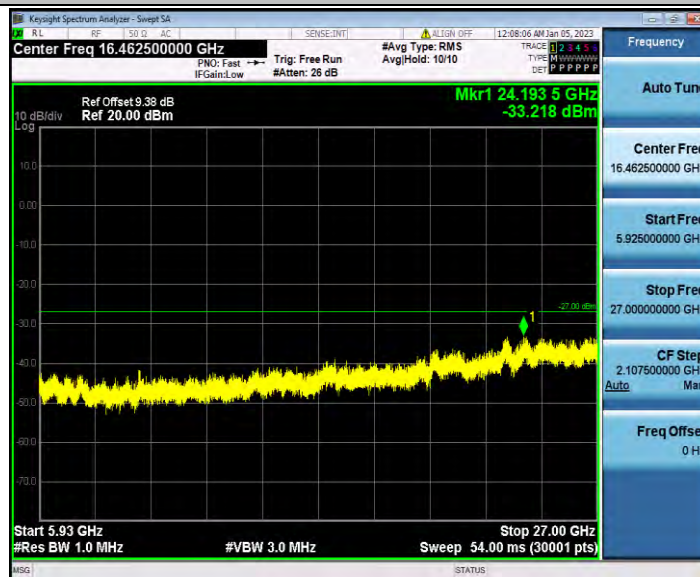
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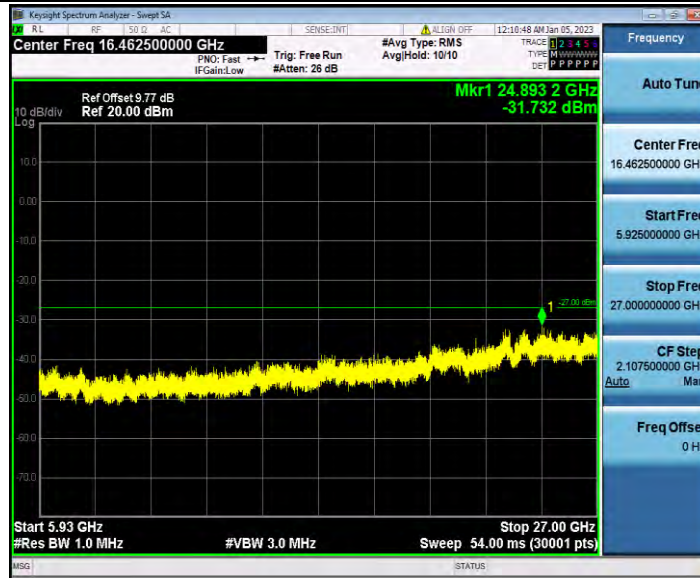
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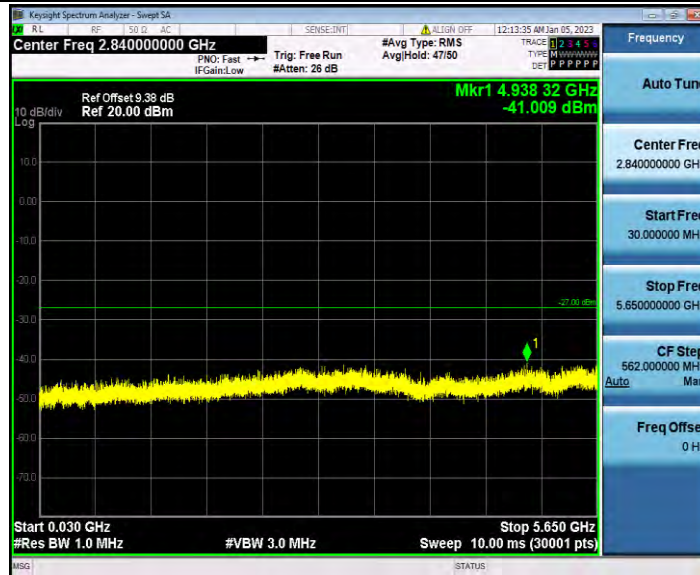
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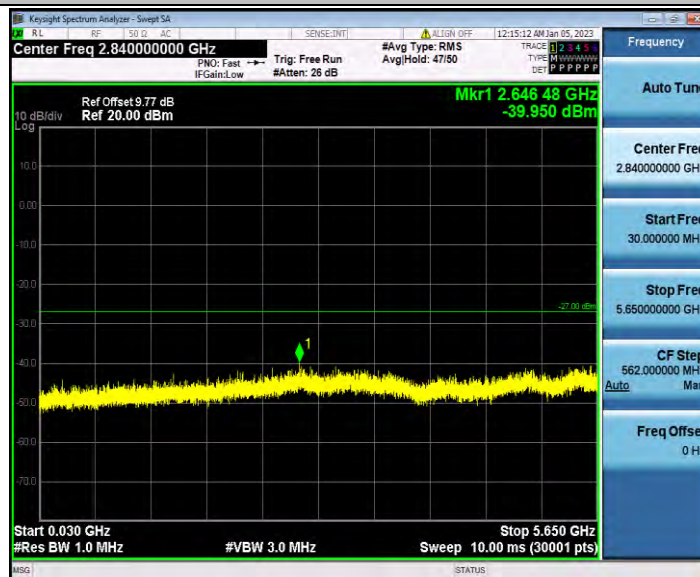
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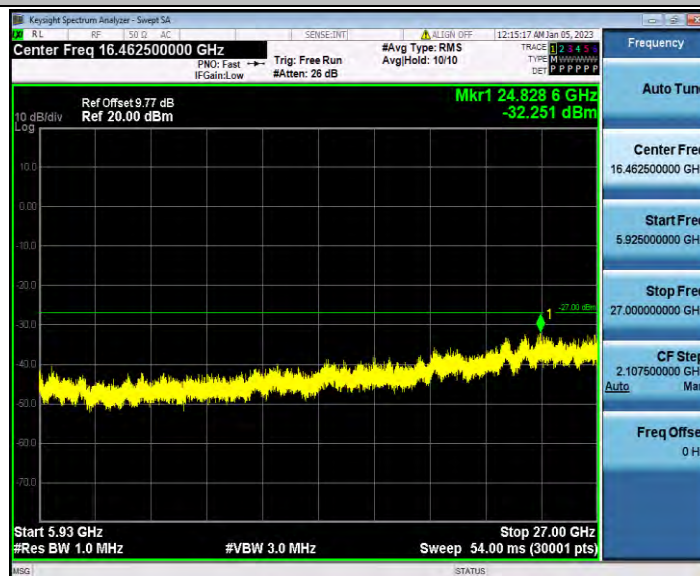
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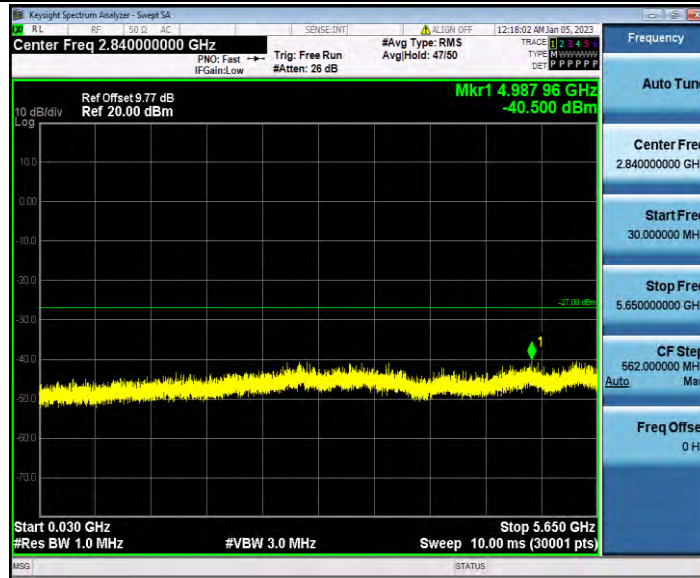
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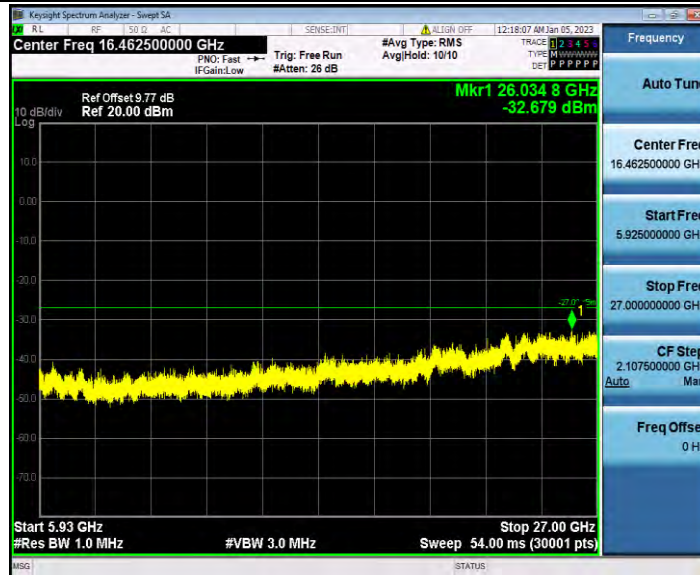
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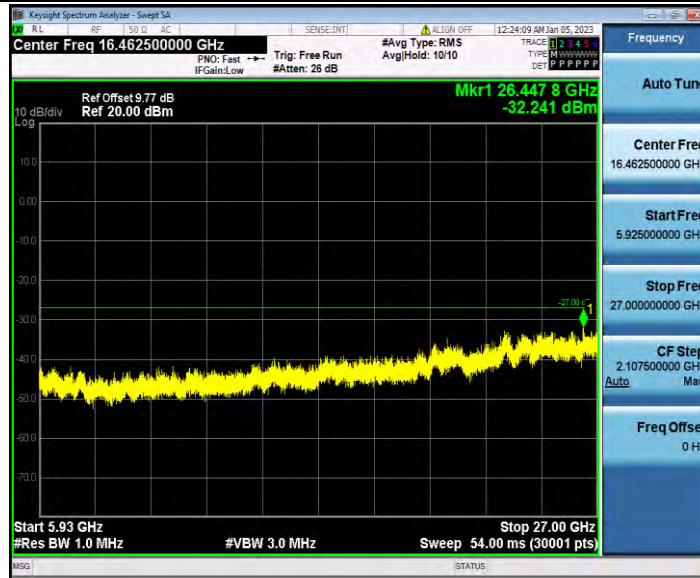
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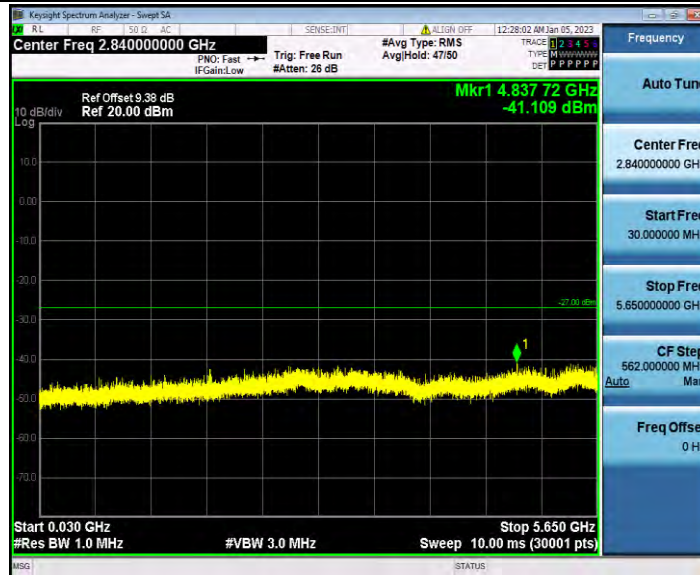
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