

Case No. : GTS20230105004-1-4	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2023.2.6	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	16.974	5736.505	5753.479	---	---
		5785	16.987	5776.469	5793.456	---	---
		5825	17.127	5816.403	5833.530	---	---
11N20SISO	Ant2	5745	18.085	5735.982	5754.067	---	---
		5785	18.035	5775.970	5794.005	---	---
		5825	18.216	5815.869	5834.085	---	---
11N40SISO	Ant2	5755	36.239	5736.912	5773.151	---	---
		5795	36.297	5776.859	5813.156	---	---
11AC20SISO	Ant2	5745	18.131	5735.954	5754.085	---	---
		5785	18.047	5775.944	5793.991	---	---
		5825	18.222	5815.856	5834.078	---	---
11AC40SISO	Ant2	5755	36.264	5736.930	5773.194	---	---
		5795	36.281	5776.850	5813.131	---	---
11AC80SISO	Ant2	5775	75.621	5737.265	5812.886	---	---

Test Graphs

11A_Ant2_5745



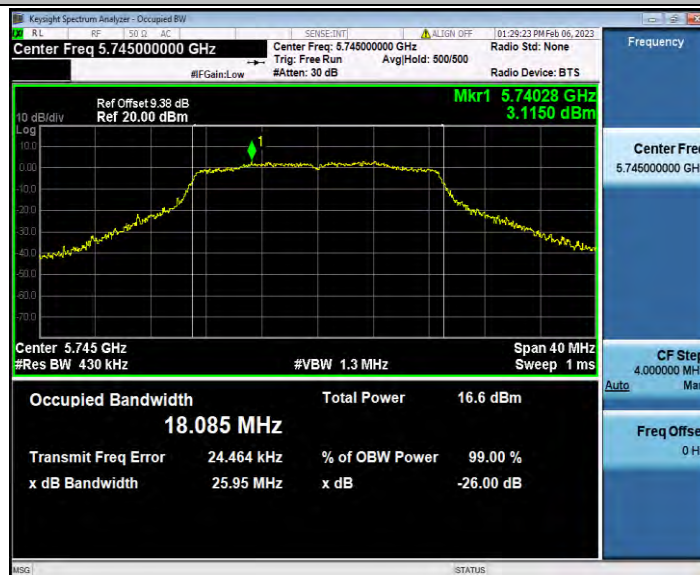
11A_Ant2_5785



11A_Ant2_5825



11N20SISO_Ant2_5745



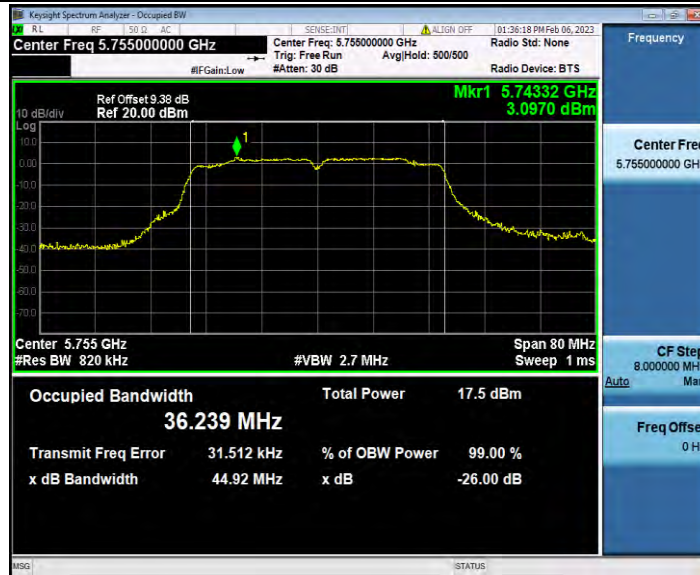
11N20SISO_Ant2_5785



11N20SISO_Ant2_5825



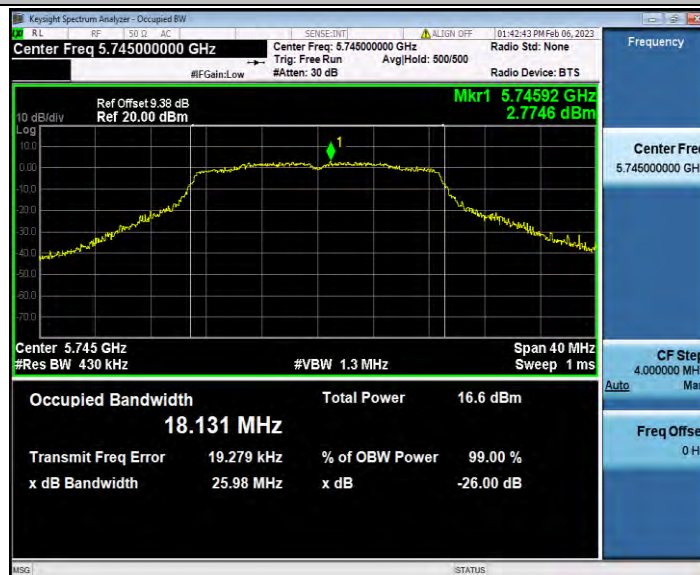
11N40SISO_Ant2_5755



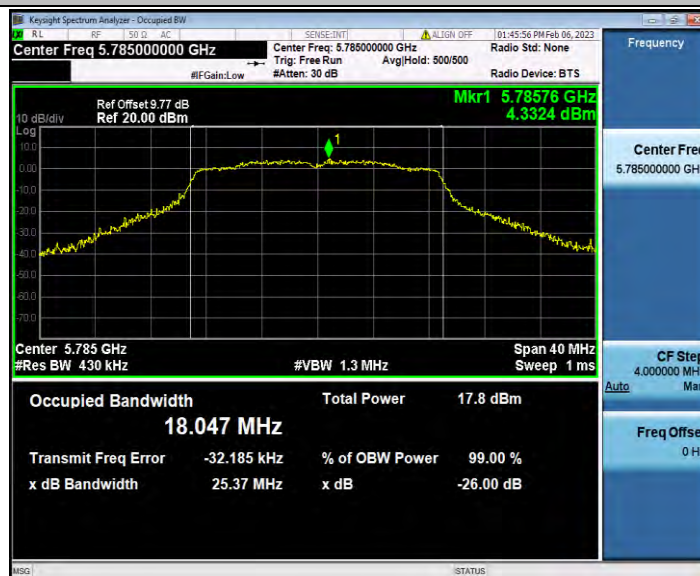
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11AC20SISO_Ant2_5745



11AC20SISO_Ant2_5785



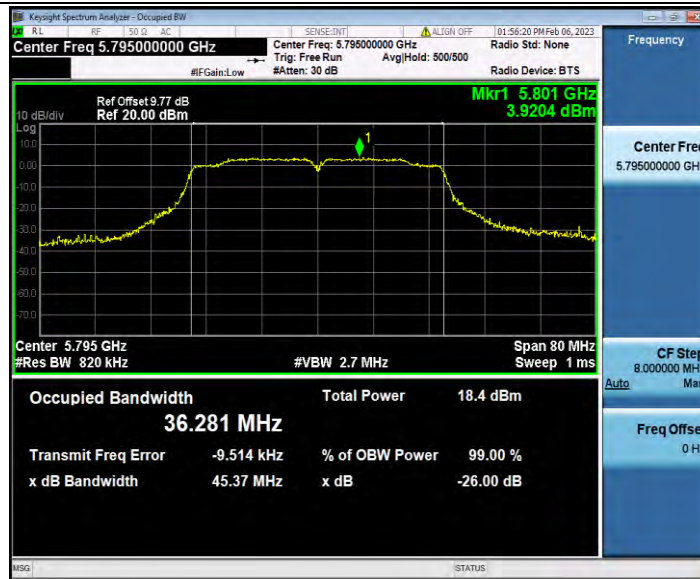
11AC20SISO_Ant2_5825



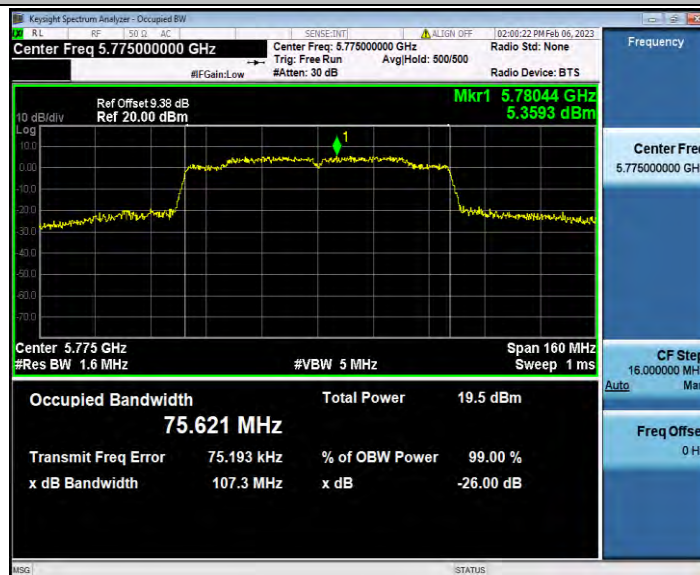
11AC40SISO_Ant2_5755



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	15.400	5737.080	5752.480	0.5	PASS
		5785	13.880	5777.400	5791.280	0.5	PASS
		5825	14.600	5817.880	5832.480	0.5	PASS
11N20SISO	Ant2	5745	15.080	5737.400	5752.480	0.5	PASS
		5785	13.880	5778.640	5792.520	0.5	PASS
		5825	15.040	5817.400	5832.440	0.5	PASS
11N40SISO	Ant2	5755	35.120	5737.400	5772.520	0.5	PASS
		5795	35.120	5777.400	5812.520	0.5	PASS
11AC20SISO	Ant2	5745	15.000	5737.520	5752.520	0.5	PASS
		5785	15.120	5777.400	5792.520	0.5	PASS
		5825	15.080	5817.440	5832.520	0.5	PASS
11AC40SISO	Ant2	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	33.840	5777.400	5811.240	0.5	PASS
11AC80SISO	Ant2	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

11A_Ant2_5745



11A_Ant2_5785



11A_Ant2_5825



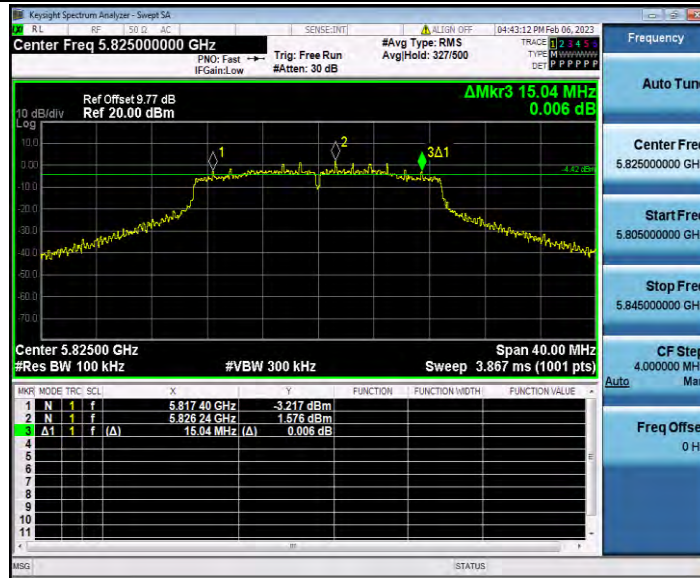
11N20SISO_Ant2_5745



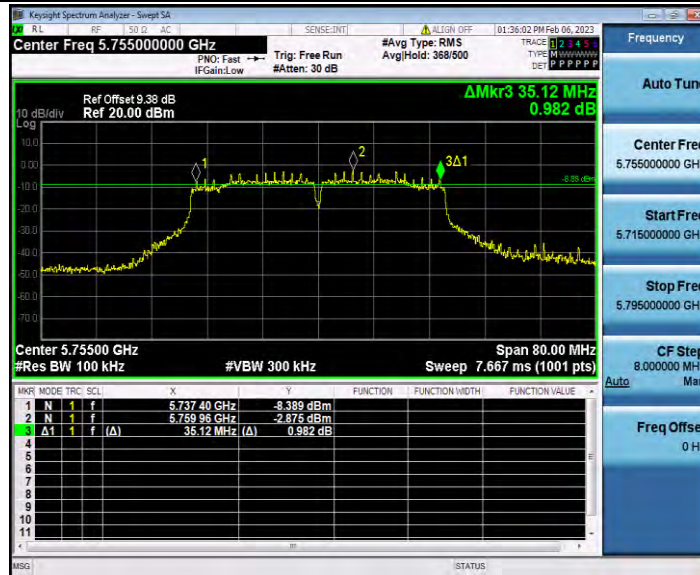
11N20SISO_Ant2_5785



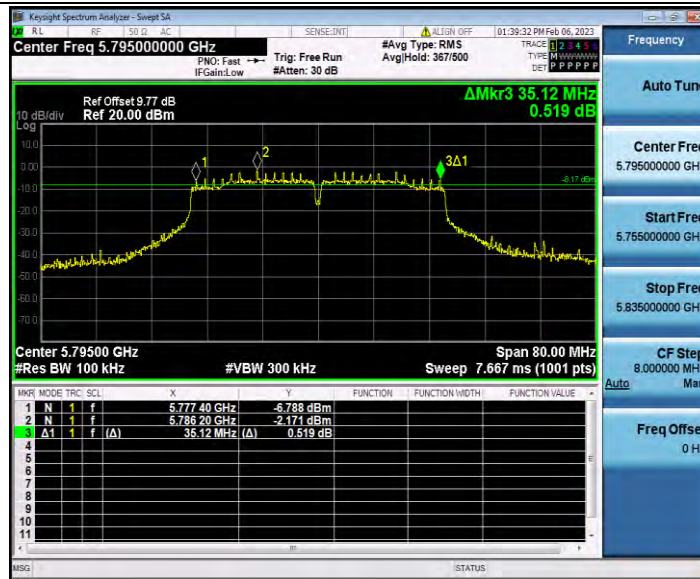
11N20SISO_Ant2_5825



11N40SISO_Ant2_5755



11N40SISO_Ant2_5795



11AC20SISO_Ant2_5745



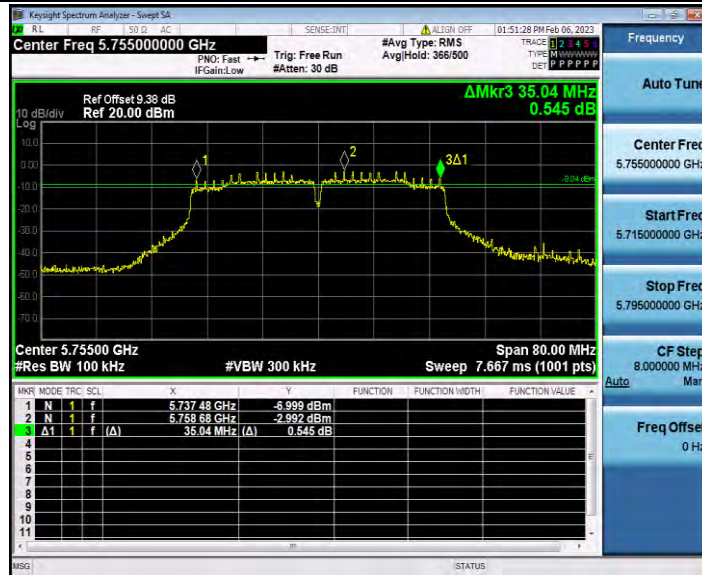
11AC20SISO_Ant2_5785



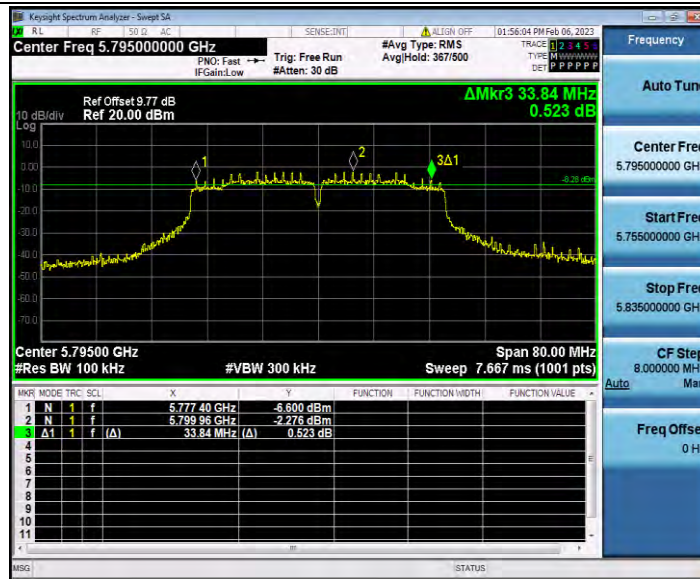
11AC20SISO_Ant2_5825



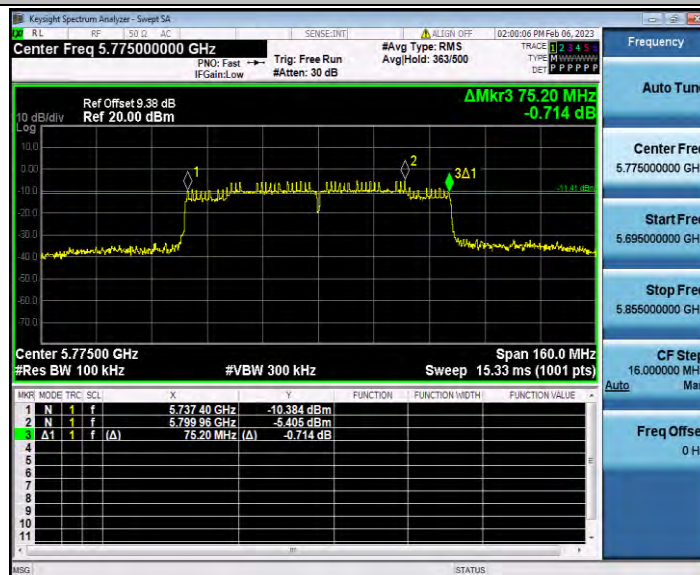
11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5775



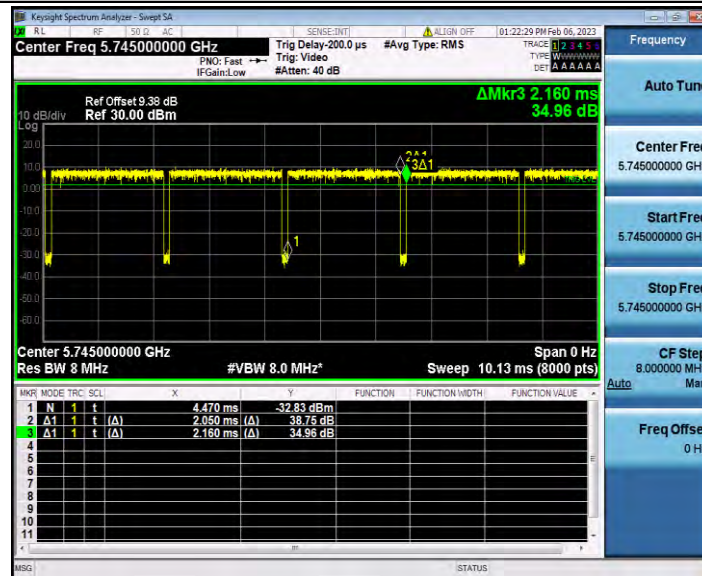
Appendix E.3: Duty Cycle

Test Result

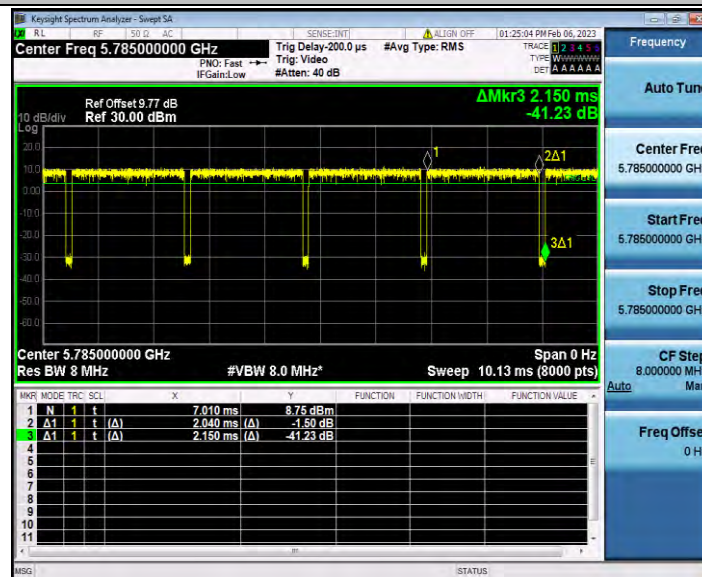
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant2	5745	2.05	2.16	94.91
		5785	2.04	2.15	94.88
		5825	2.05	2.16	94.91
11N20SISO	Ant2	5745	1.91	1.99	95.98
		5785	1.91	2.00	95.50
		5825	1.91	1.99	95.98
11N40SISO	Ant2	5755	0.94	1.11	84.68
		5795	0.95	1.12	84.82
11AC20SISO	Ant2	5745	1.91	2.00	95.50
		5785	1.91	2.00	95.50
		5825	1.92	2.00	96.00
11AC40SISO	Ant2	5755	0.94	1.11	84.68
		5795	0.94	1.11	84.68
11AC80SISO	Ant2	5775	0.46	0.55	83.64

Test Graphs

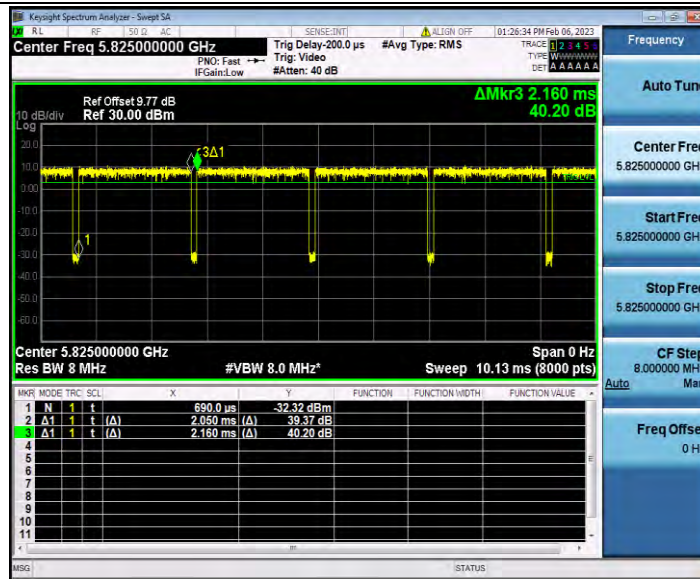
11A_Ant2_5745



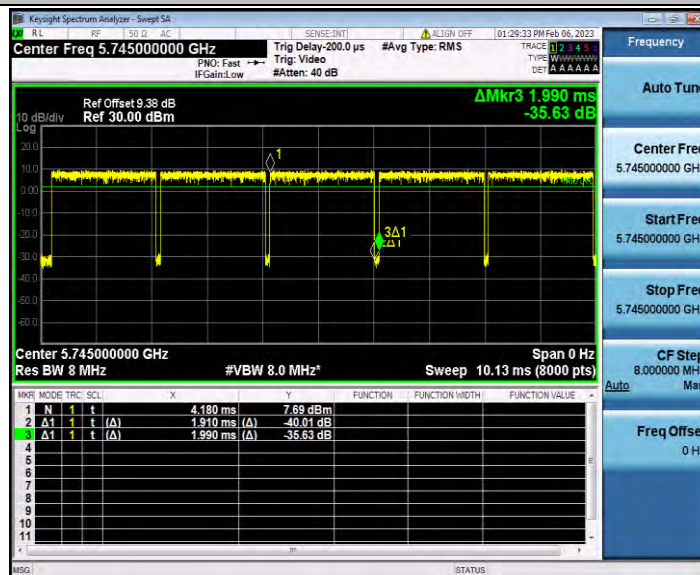
11A_Ant2_5785



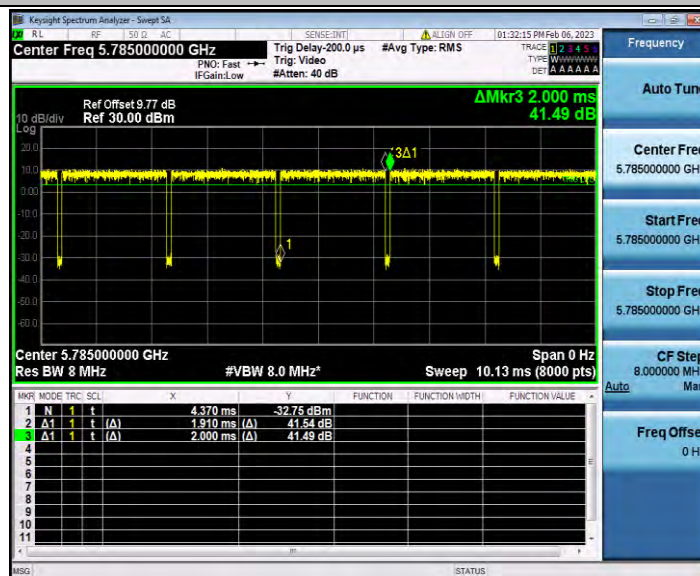
11A_Ant2_5825



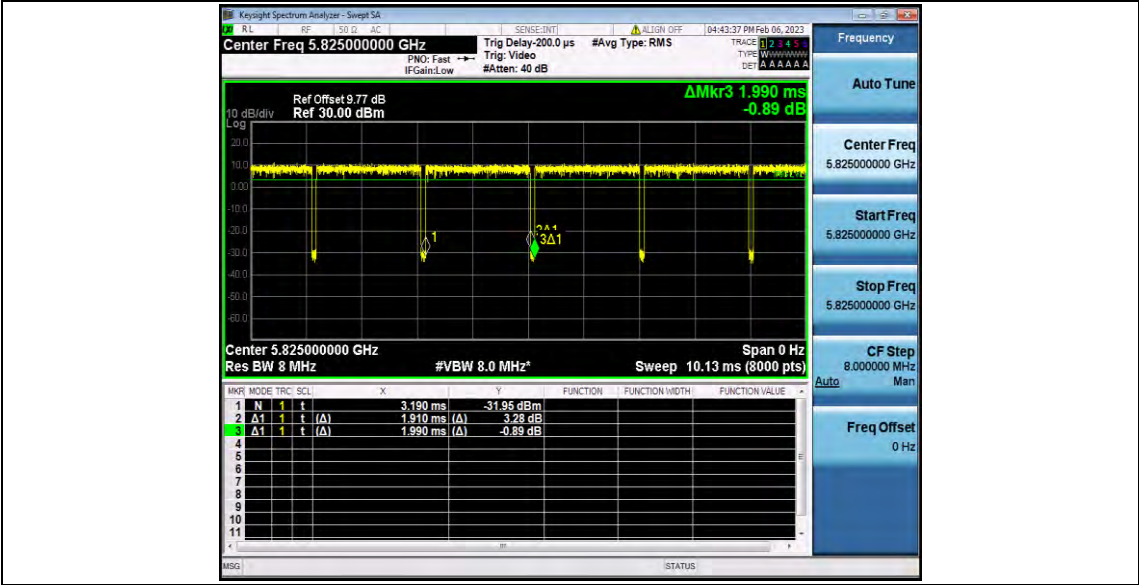
11N20SISO_Ant2_5745



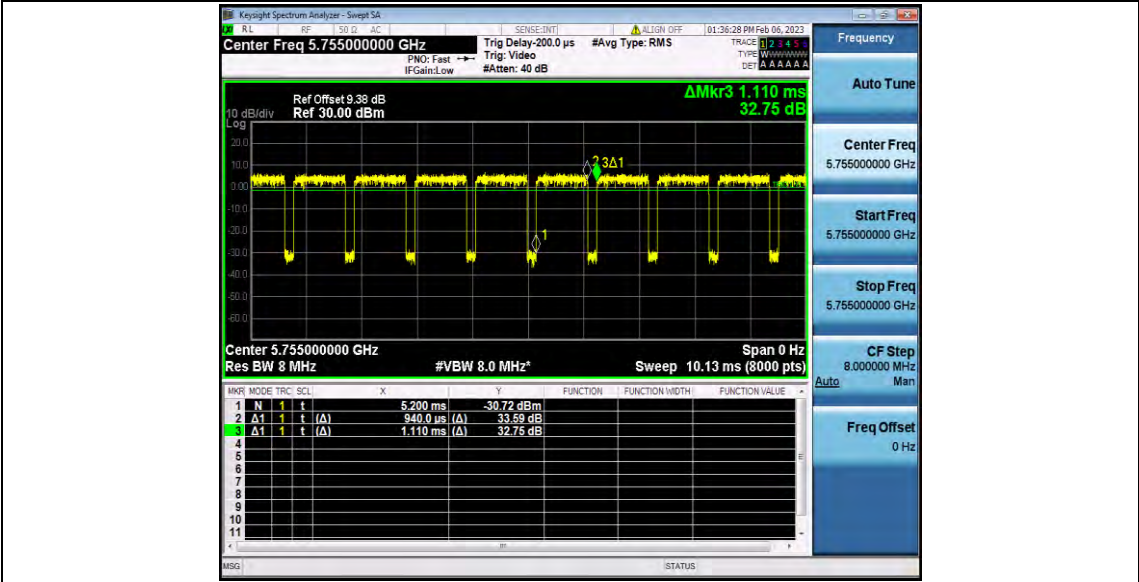
11N20SISO_Ant2_5785



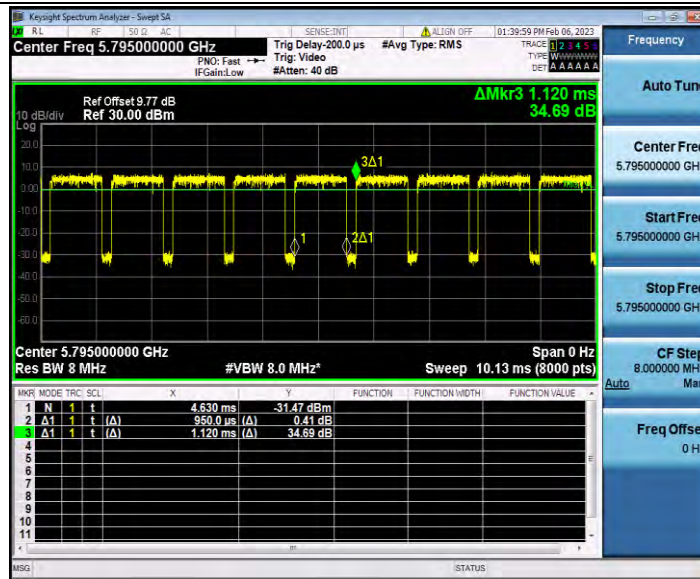
11N20SISO_Ant2_5825



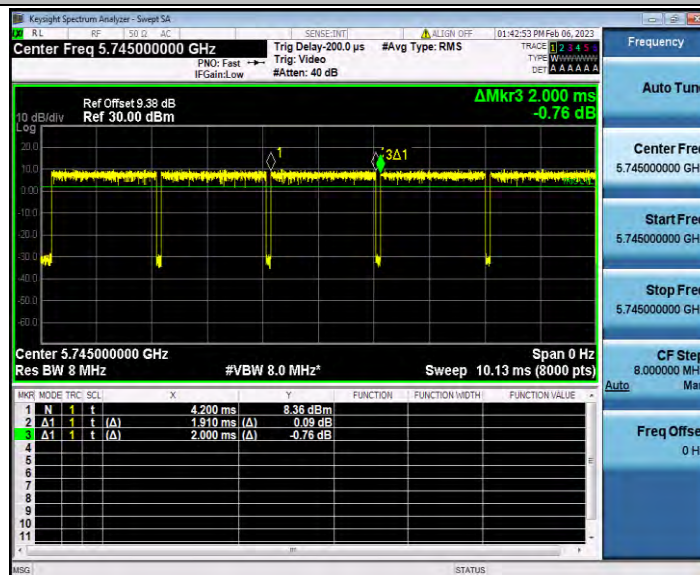
11N40SISO_Ant2_5755



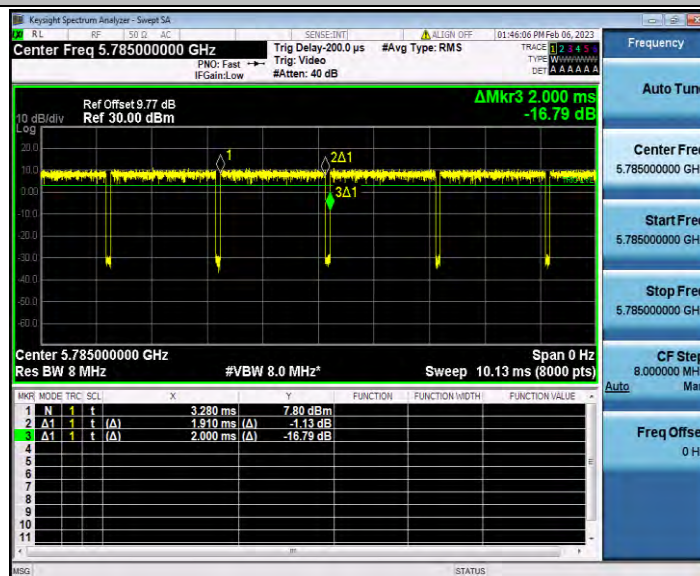
11N40SISO_Ant2_5795



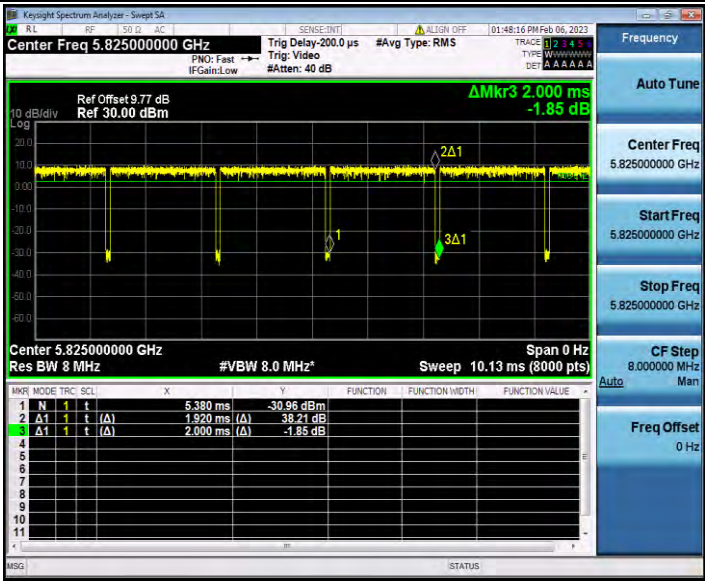
11AC20SISO_Ant2_5745



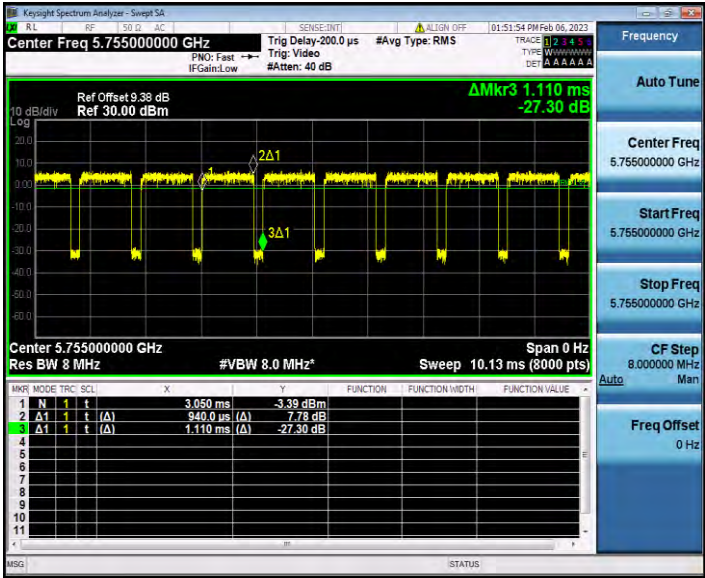
11AC20SISO_Ant2_5785



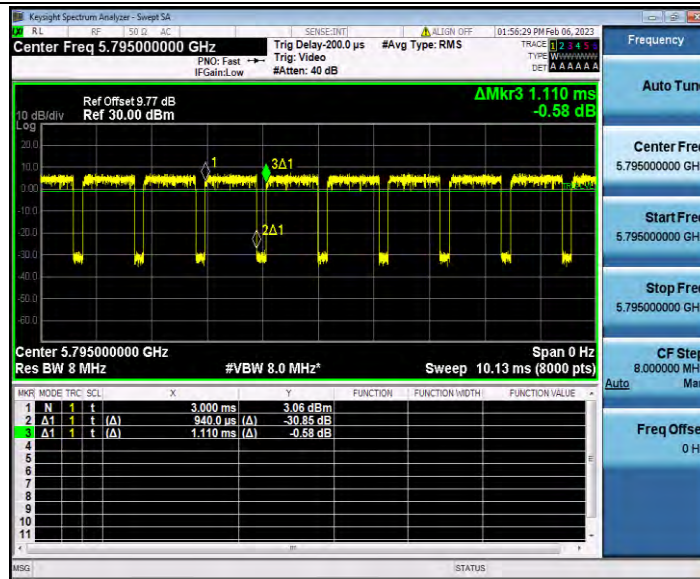
11AC20SISO_Ant2_5825



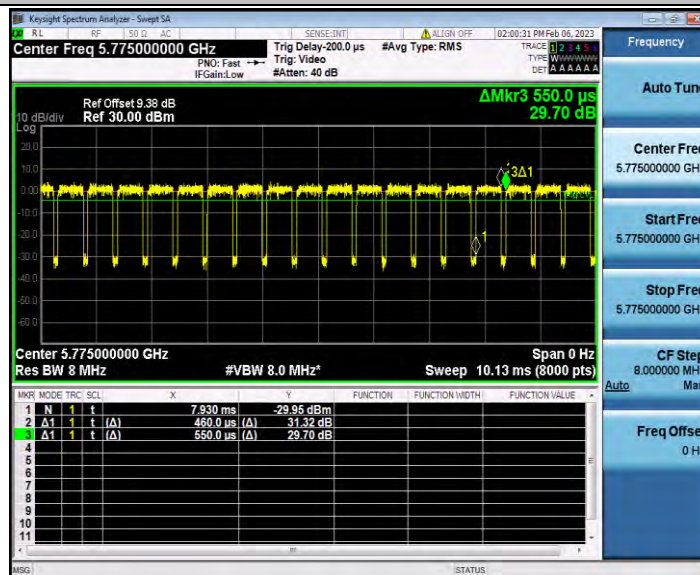
11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5775



Appendix E.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	5745	9.54	94.91	0.23	9.77	≤30.00	PASS
		5785	11.01	94.88	0.23	11.24	≤30.00	PASS
		5825	10.47	94.91	0.23	10.70	≤30.00	PASS
11N20SISO	Ant2	5745	9.61	95.98	0.18	9.79	≤30.00	PASS
		5785	10.86	95.50	0.20	11.06	≤30.00	PASS
		5825	11.16	95.98	0.18	11.34	≤30.00	PASS
11N40SISO	Ant2	5755	9.43	84.68	0.72	10.15	≤30.00	PASS
		5795	10.12	84.82	0.72	10.84	≤30.00	PASS
11AC20SISO	Ant2	5745	9.62	95.50	0.20	9.82	≤30.00	PASS
		5785	10.77	95.50	0.20	10.97	≤30.00	PASS
		5825	10.26	96.00	0.18	10.44	≤30.00	PASS
11AC40SISO	Ant2	5755	9.31	84.68	0.72	10.03	≤30.00	PASS
		5795	10.18	84.68	0.72	10.90	≤30.00	PASS
11AC80SISO	Ant2	5775	9.83	83.64	0.78	10.61	≤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	-3.85	≤30.00	PASS
		5785	-2.58	≤30.00	PASS
		5825	-3.03	≤30.00	PASS
11N20SISO	Ant2	5745	-4.03	≤30.00	PASS
		5785	-2.93	≤30.00	PASS
		5825	-2.74	≤30.00	PASS
11N40SISO	Ant2	5755	-6.53	≤30.00	PASS
		5795	-5.98	≤30.00	PASS
11AC20SISO	Ant2	5745	-4.06	≤30.00	PASS
		5785	-2.94	≤30.00	PASS
		5825	-3.39	≤30.00	PASS
11AC40SISO	Ant2	5755	-6.59	≤30.00	PASS
		5795	-5.93	≤30.00	PASS
11AC80SISO	Ant2	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_Ant2_5745



11A_Ant2_5785



11A_Ant2_5825



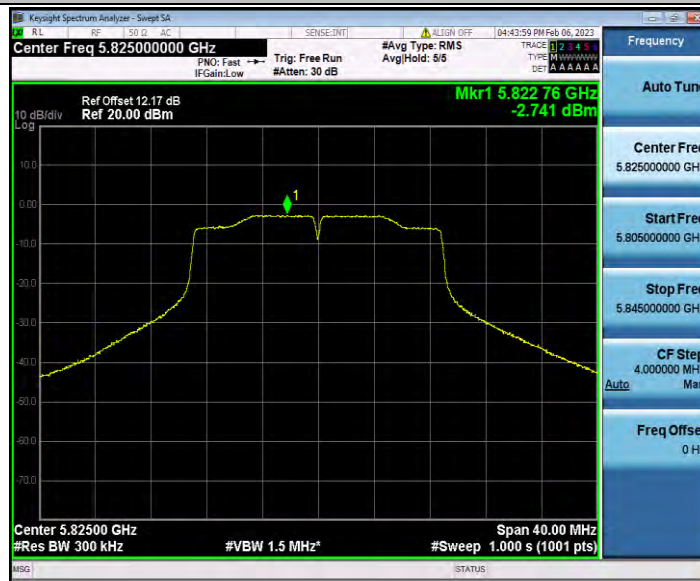
11N20SISO_Ant2_5745



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.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	-38.82	≤-6.02	PASS
				5700~5720	-37.89	≤15.05	PASS
				5720~5725	-37	≤26.83	PASS
				5760~5650	-40.38	≤-27	PASS
		High	5825	5850~5855	-37.29	≤19.80	PASS
				5855~5875	-37.86	≤10.21	PASS
				5875~5925	-37.51	≤-21.26	PASS
				5925~5935	-39.09	≤-27	PASS
11N20SI SO	Ant2	Low	5745	5650~5700	-38.84	≤7.17	PASS
				5700~5720	-36.54	≤14.79	PASS
				5720~5725	-37.19	≤26.30	PASS
				5760~5650	-40.08	≤-27	PASS
		High	5825	5850~5855	-35.04	≤15.79	PASS
				5855~5875	-37.3	≤13.35	PASS
				5875~5925	-38.14	≤-6.28	PASS
				5925~5935	-37.95	≤-27	PASS
11N40SI SO	Ant2	Low	5755	5650~5700	-37.17	≤8.86	PASS
				5700~5720	-36.65	≤11.50	PASS
				5720~5725	-36.96	≤17.28	PASS
				5780~5650	-39.76	≤-27	PASS
		High	5795	5850~5855	-38.33	≤23.56	PASS
				5855~5875	-38.54	≤12.90	PASS
				5875~5925	-38.41	≤-0.67	PASS
				5925~5935	-38.88	≤-27	PASS
11AC20S ISO	Ant2	Low	5745	5650~5700	-38.63	≤9.21	PASS
				5700~5720	-37.45	≤15.59	PASS
				5720~5725	-33.86	≤26.57	PASS
				5760~5650	-40.14	≤-27	PASS
		High	5825	5850~5855	-37.1	≤16.10	PASS
				5855~5875	-38.05	≤10.89	PASS
				5875~5925	-38.9	≤-17.86	PASS
				5925~5935	-38.86	≤-27	PASS
11AC40S ISO	Ant2	Low	5755	5650~5700	-36.09	≤4.86	PASS
				5700~5720	-36.13	≤14.44	PASS
				5720~5725	-37.1	≤15.74	PASS

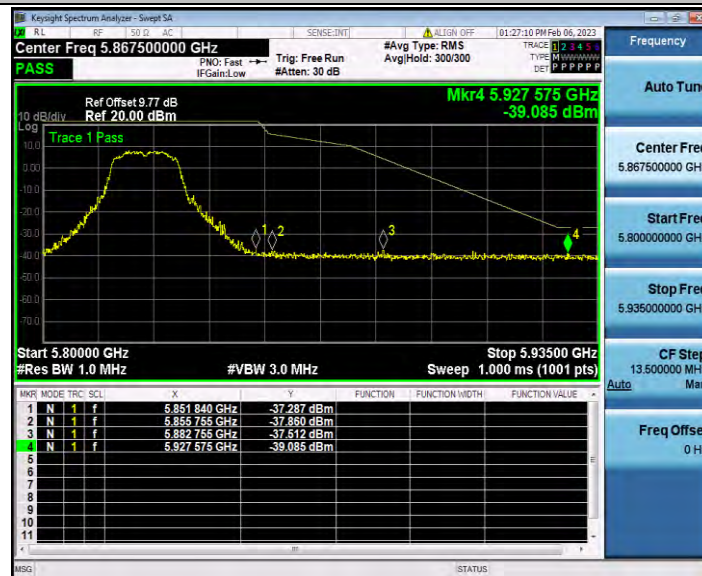
		High	5795	5780~5650	-40.43	≤ -27	PASS
				5850~5855	-38.45	≤ 26.94	PASS
				5855~5875	-38.49	≤ 11.89	PASS
				5875~5925	-38.31	≤ -14.96	PASS
				5925~5935	-38.43	≤ -27	PASS
11AC80S ISO	Ant2	Low	5775	5650~5700	-29.01	≤ 9.90	PASS
				5700~5720	-23.88	≤ 15.04	PASS
				5720~5725	-23.51	≤ 18.47	PASS
				5800~5650	-36.99	≤ -27	PASS
		High	5775	5850~5855	-25.25	≤ 15.79	PASS
				5855~5875	-26.83	≤ 10.85	PASS
				5875~5925	-33.98	≤ -24.90	PASS
				5925~5935	-38.17	≤ -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



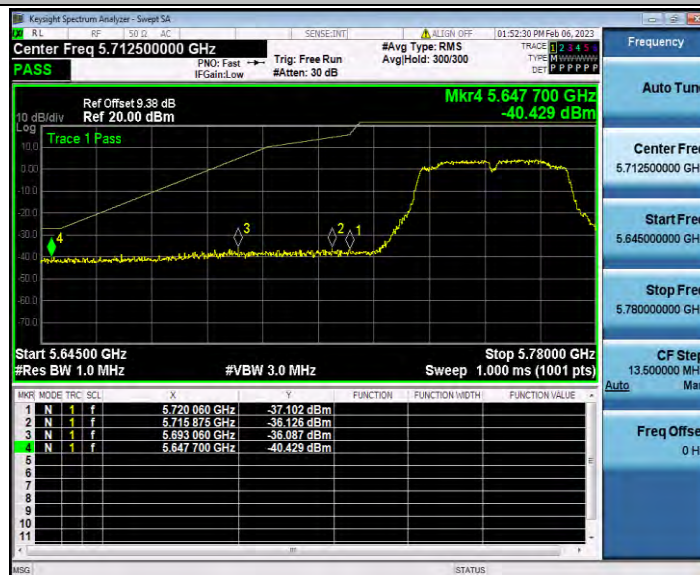
11AC20SISO_Ant2_Low_5745



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

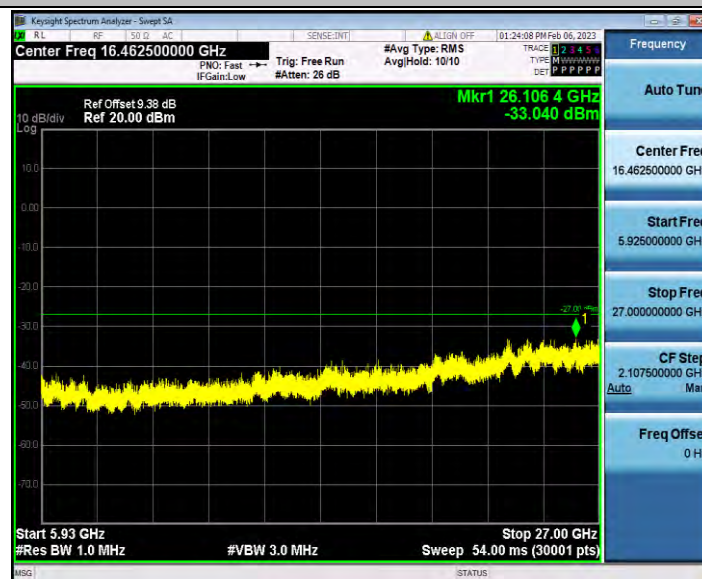
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant2	5745	30~5650	3990.23	-41.59	≤-27	PASS
			5925~40000	26106.42	-33.04	≤-27	PASS
		5785	30~5650	5583.31	-40.95	≤-27	PASS
			5925~40000	23533.87	-32.29	≤-27	PASS
		5825	30~5650	5459.86	-39.67	≤-27	PASS
			5925~40000	26086.05	-32.79	≤-27	PASS
11N20SISO	Ant2	5745	30~5650	4992.65	-41.41	≤-27	PASS
			5925~40000	26682.47	-32.26	≤-27	PASS
		5785	30~5650	5628.27	-40.8	≤-27	PASS
			5925~40000	24223.02	-32.45	≤-27	PASS
		5825	30~5650	5406.84	-40.69	≤-27	PASS
			5925~40000	24258.85	-32.88	≤-27	PASS
11N40SISO	Ant2	5755	30~5650	5421.83	-40.73	≤-27	PASS
			5925~40000	26522.3	-32.25	≤-27	PASS
		5795	30~5650	5337.15	-40.96	≤-27	PASS
			5925~40000	26899.54	-32.62	≤-27	PASS
11AC20SISO	Ant2	5745	30~5650	2657.91	-41.13	≤-27	PASS
			5925~40000	24261.66	-32.04	≤-27	PASS
		5785	30~5650	5456.67	-40.76	≤-27	PASS
			5925~40000	24277.11	-32.12	≤-27	PASS
		5825	30~5650	5490.77	-41.25	≤-27	PASS
			5925~40000	26498.42	-32.3	≤-27	PASS
11AC40SISO	Ant2	5755	30~5650	5515.49	-41.4	≤-27	PASS
			5925~40000	24147.85	-31.67	≤-27	PASS
		5795	30~5650	5451.99	-40.79	≤-27	PASS
			5925~40000	24896.72	-31.57	≤-27	PASS
11AC80SISO	Ant2	5775	30~5650	5647.75	-38.03	≤-27	PASS
			5925~40000	23502.25	-32.82	≤-27	PASS

Test Graphs

11A_Ant2_5745_30~5650



11A_Ant2_5745_5925~40000



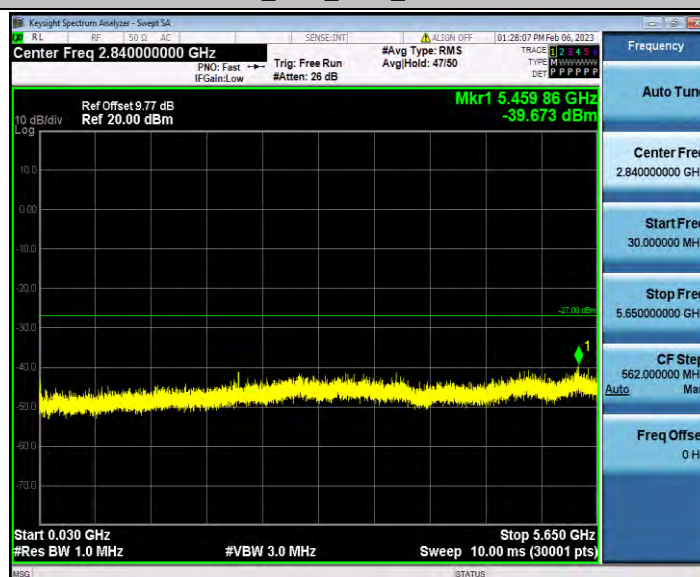
11A_Ant2_5785_30~5650



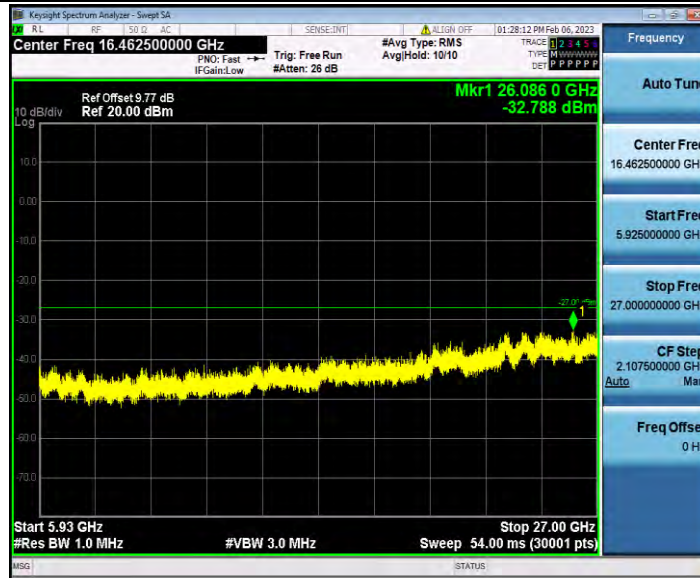
11A_Ant2_5785_5925~40000



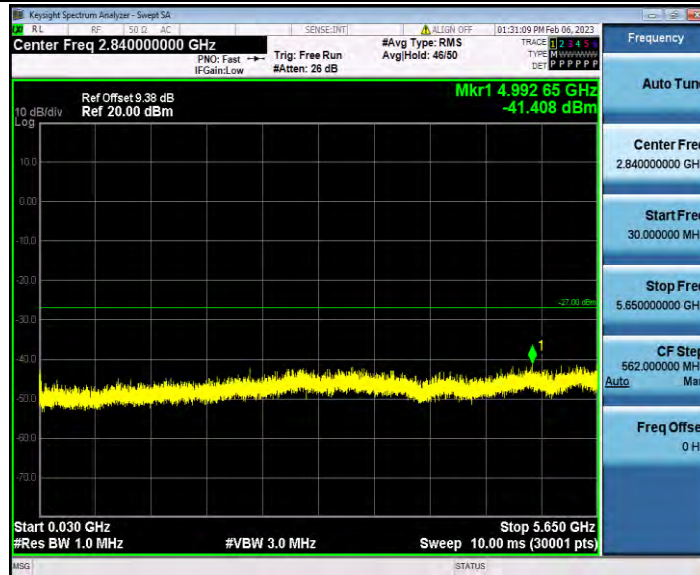
11A_Ant2_5825_30~5650



11A_Ant2_5825_5925~40000



11N20SISO_Ant2_5745_30~5650



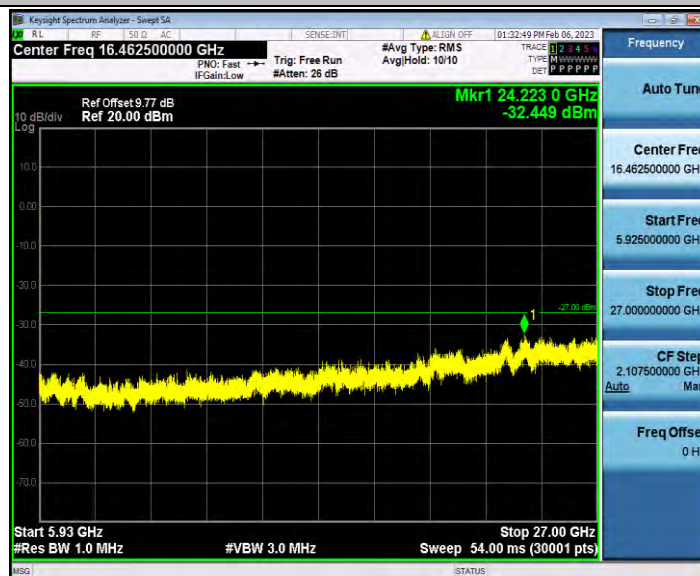
11N20SISO_Ant2_5745_5925~40000



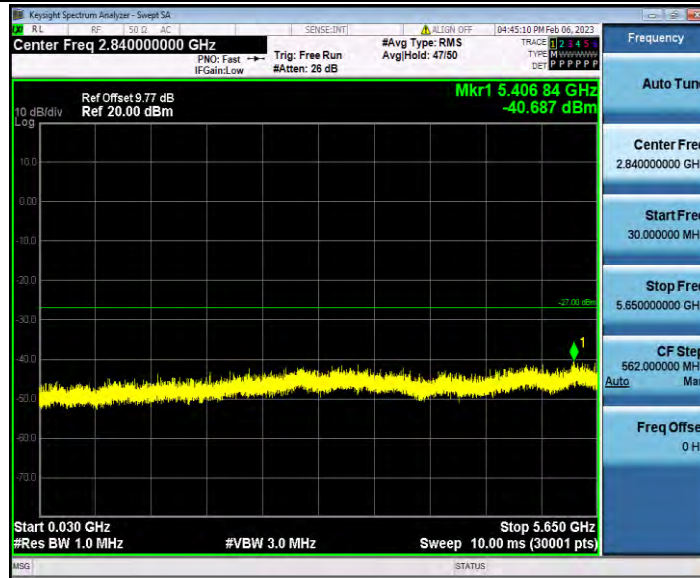
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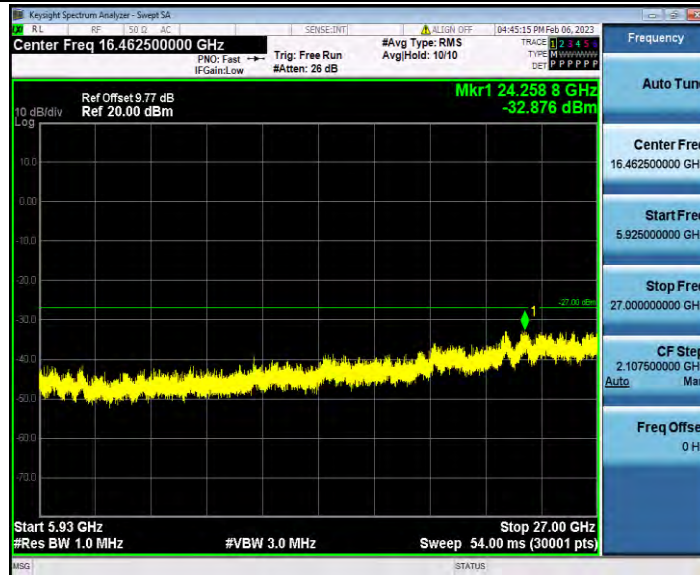
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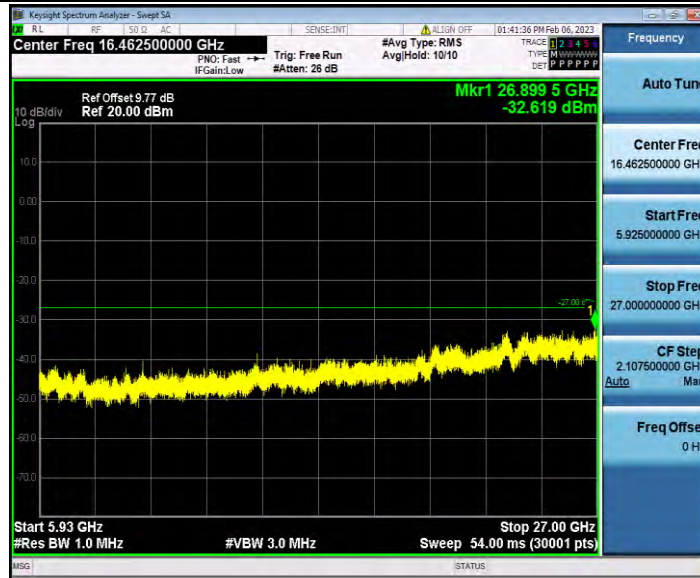
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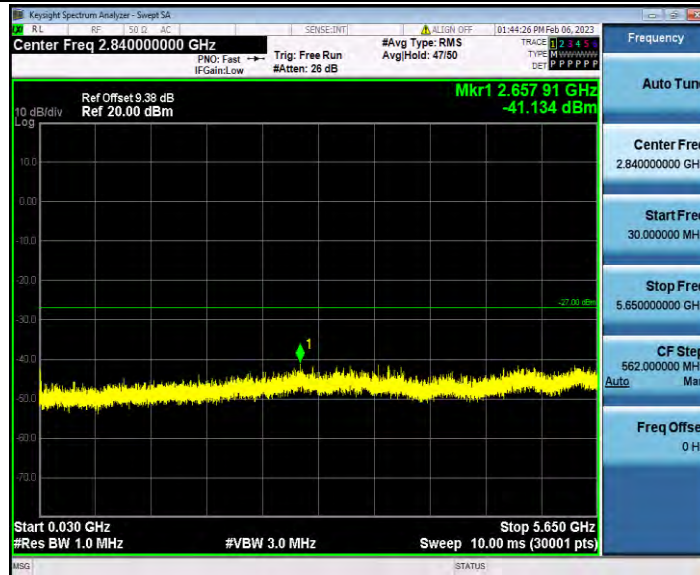
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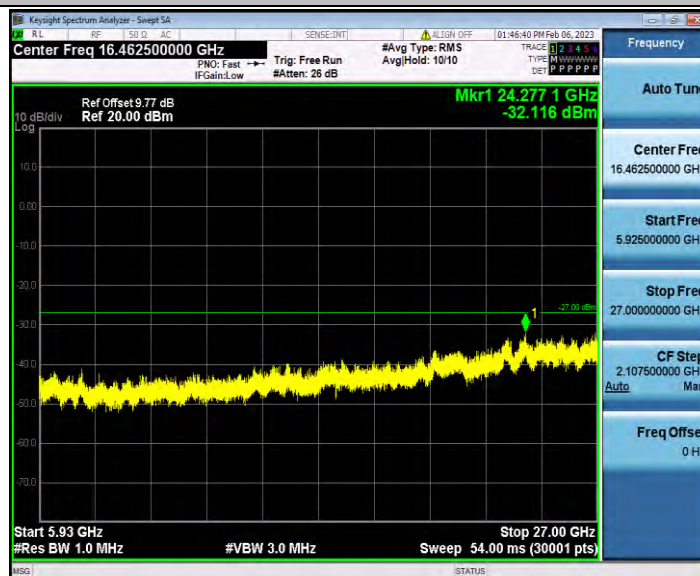
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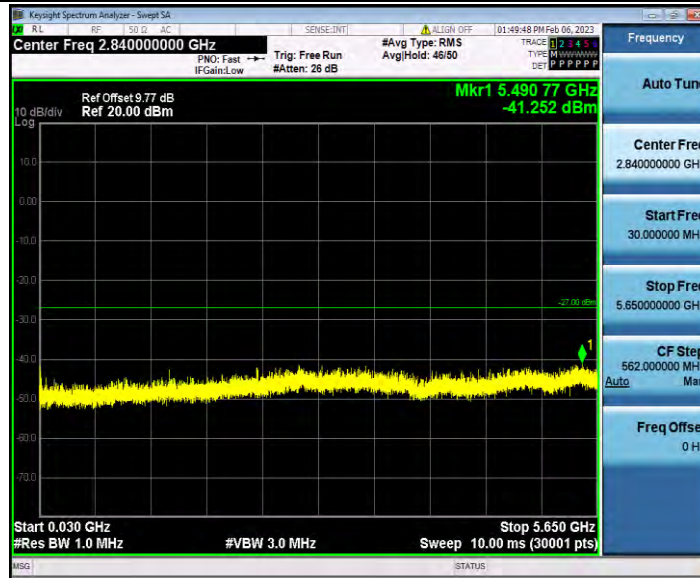
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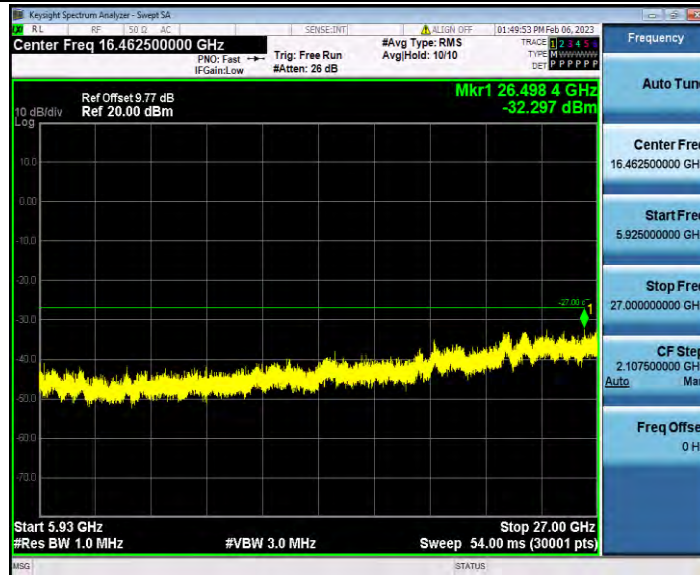
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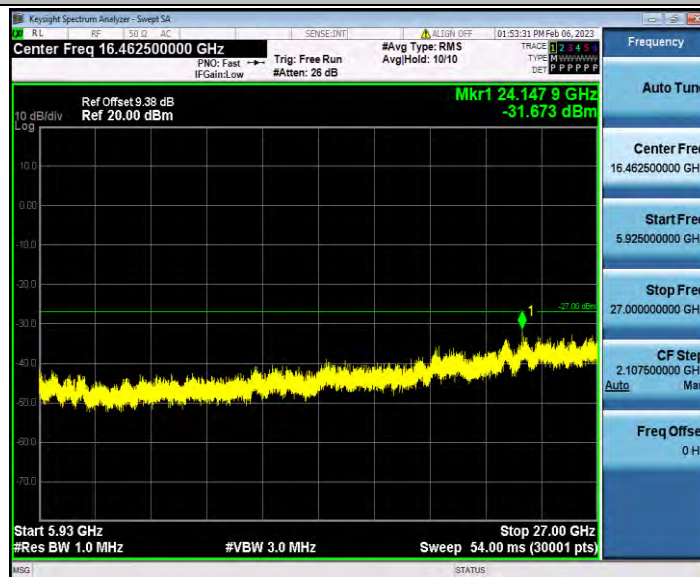
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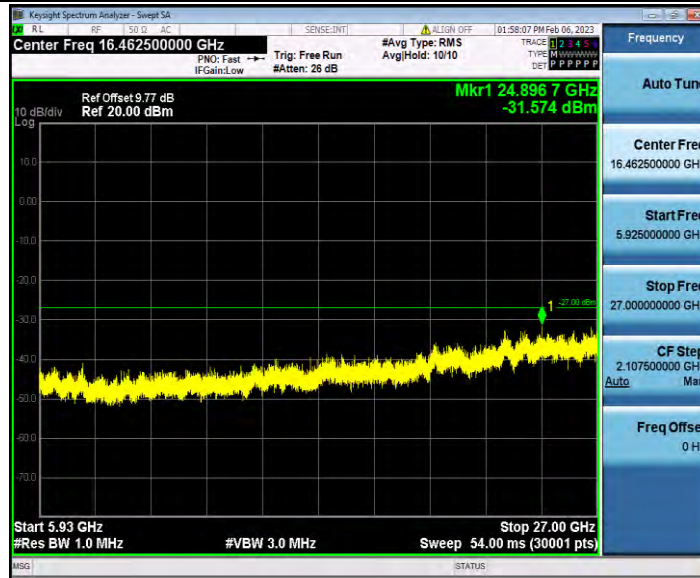
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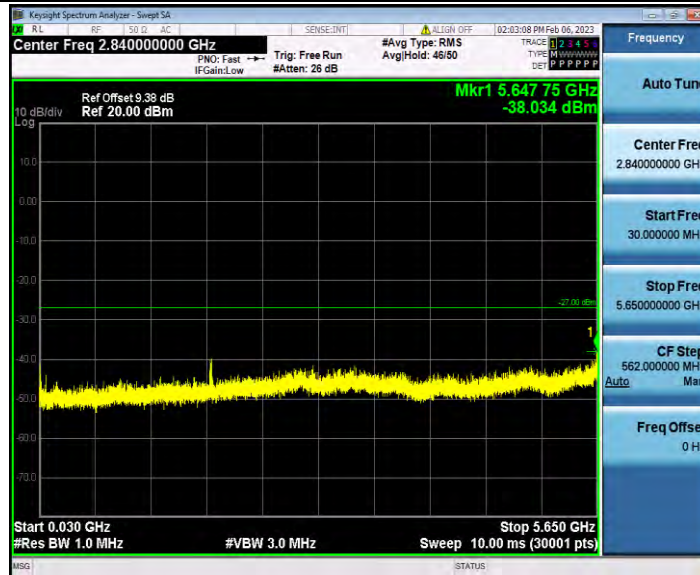
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