

Case No. : GTS20221219016-1-4	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2023.1.4	Test Engineer: Jenny zeng

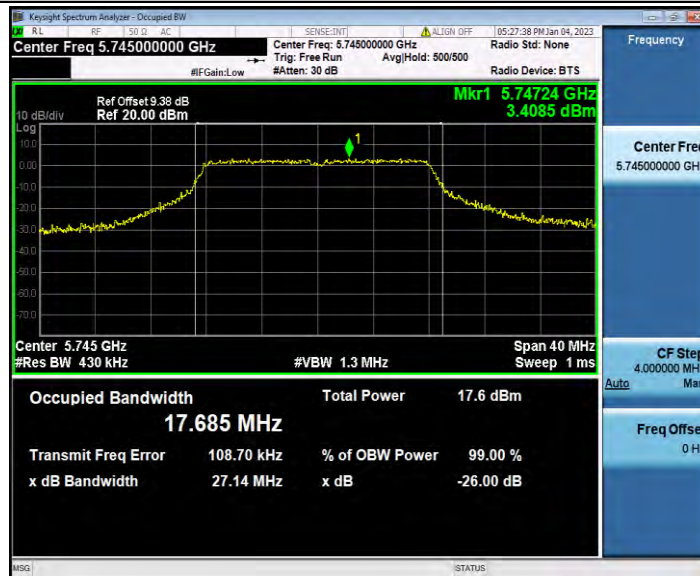
Appendix E.1: Occupied channel bandwidth

Test Result

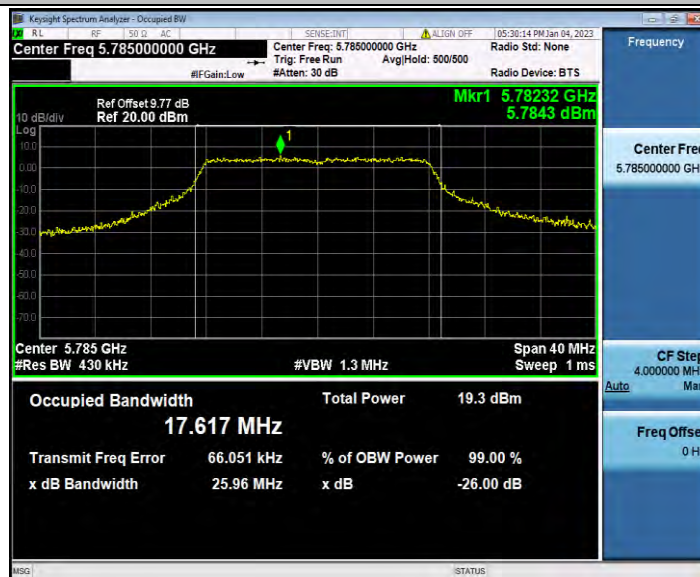
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.685	5736.266	5753.951	---	---
		5785	17.617	5776.258	5793.875	---	---
		5825	17.862	5816.016	5833.878	---	---
11N20SISO	Ant1	5745	18.531	5735.823	5754.354	---	---
		5785	18.678	5775.728	5794.406	---	---
		5825	18.649	5815.637	5834.286	---	---
11N40SISO	Ant1	5755	36.895	5736.576	5773.471	---	---
		5795	37.068	5776.399	5813.467	---	---
11AC20SISO	Ant1	5745	18.566	5735.794	5754.360	---	---
		5785	18.791	5775.691	5794.482	---	---
		5825	18.710	5815.600	5834.310	---	---
11AC40SISO	Ant1	5755	36.882	5736.587	5773.469	---	---
		5795	37.136	5776.346	5813.482	---	---
11AC80SISO	Ant1	5775	75.338	5737.371	5812.709	---	---

Test Graphs

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



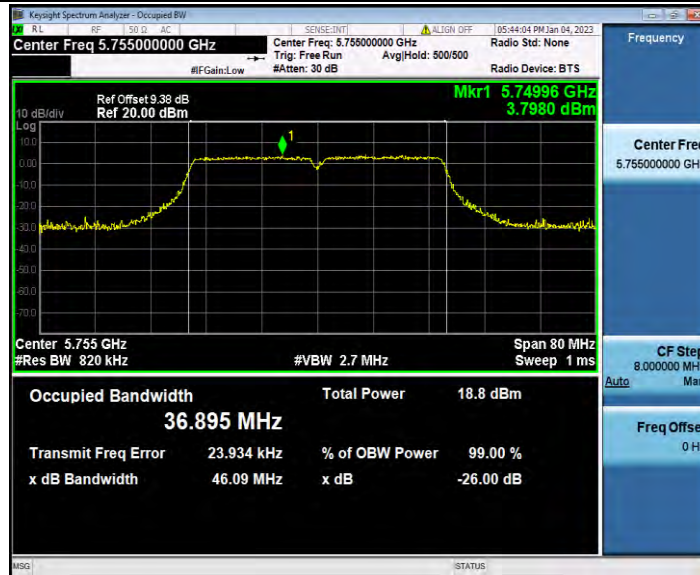
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



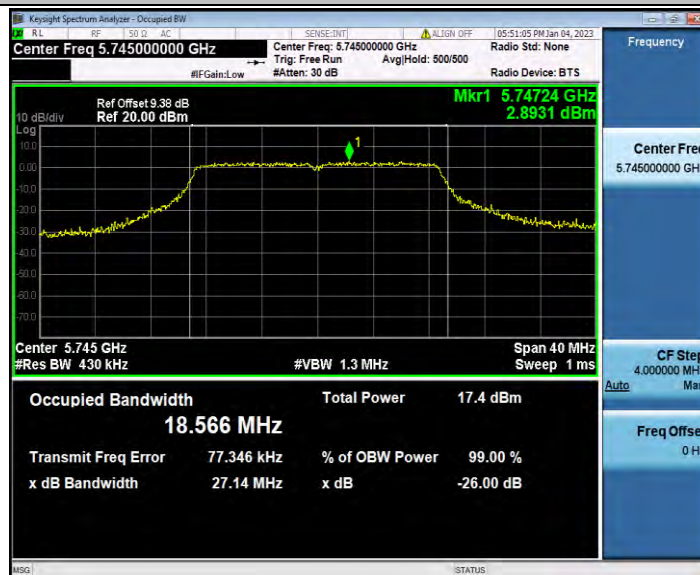
11N40SISO_Ant1_5755



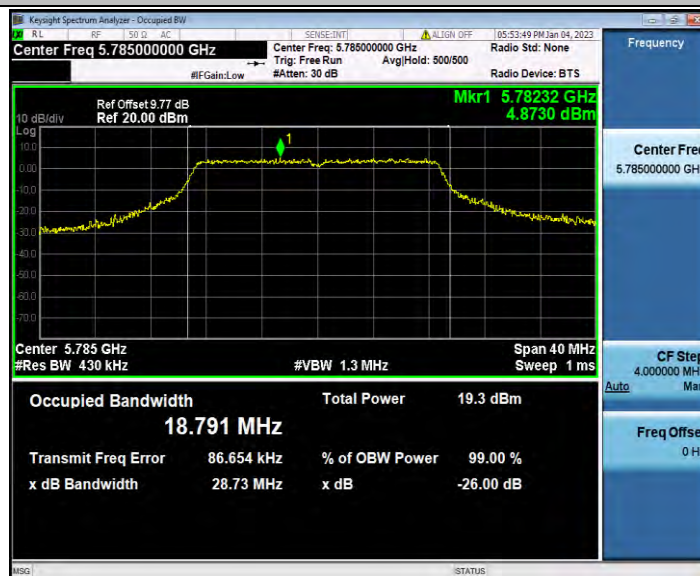
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



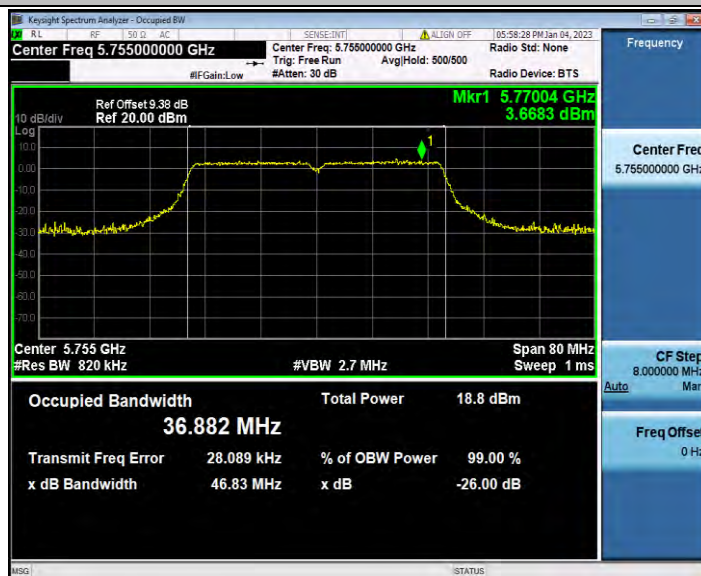
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



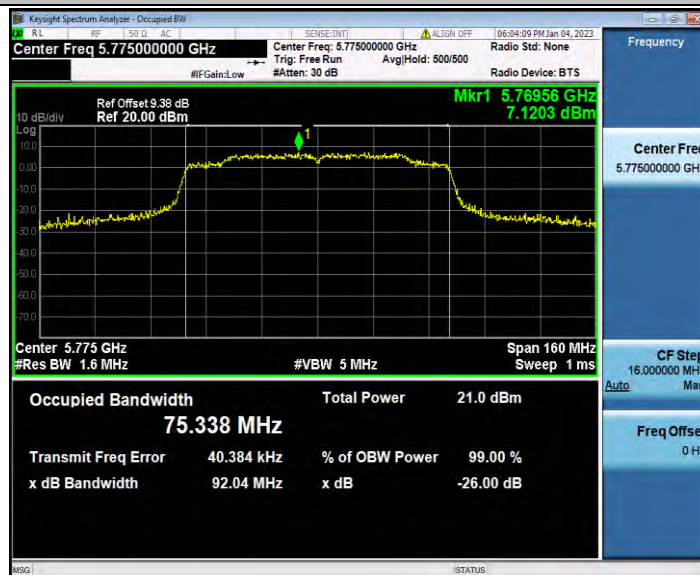
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



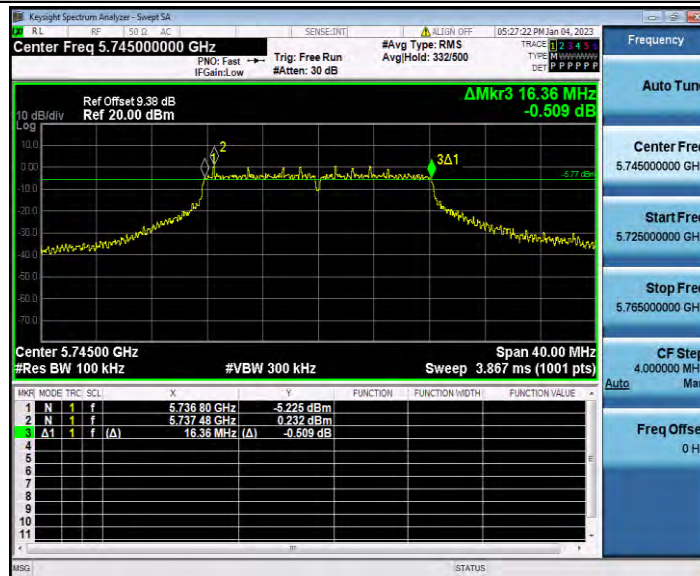
Appendix E.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.360	5736.800	5753.160	0.5	PASS
		5785	16.320	5776.800	5793.120	0.5	PASS
		5825	16.320	5816.800	5833.120	0.5	PASS
11N20SISO	Ant1	5745	17.560	5736.200	5753.760	0.5	PASS
		5785	17.560	5776.200	5793.760	0.5	PASS
		5825	17.680	5816.120	5833.800	0.5	PASS
11N40SISO	Ant1	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.560	5736.200	5753.760	0.5	PASS
		5785	17.680	5776.120	5793.800	0.5	PASS
		5825	17.600	5816.160	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC80SISO	Ant1	5775	64.960	5741.240	5806.200	0.5	PASS

Test Graphs B4

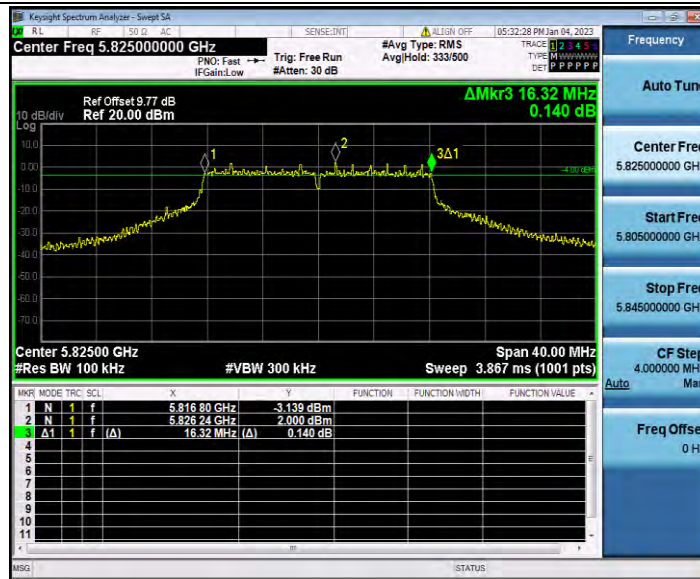
11A_Ant1_5745



11A_Ant1_5785



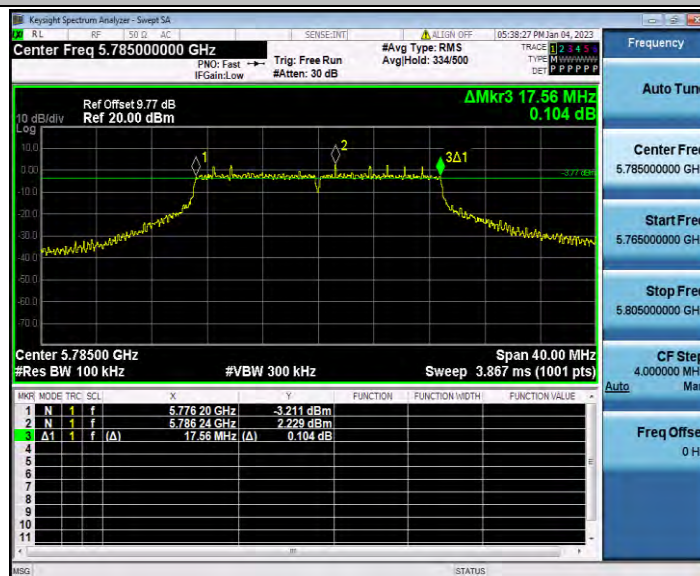
11A_Ant1_5825



11N20SISO_Ant1_5745



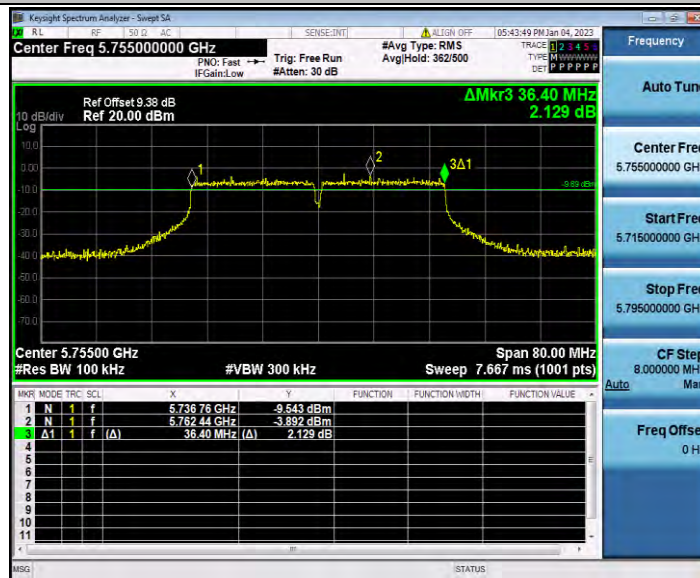
11N20SISO_Ant1_5785



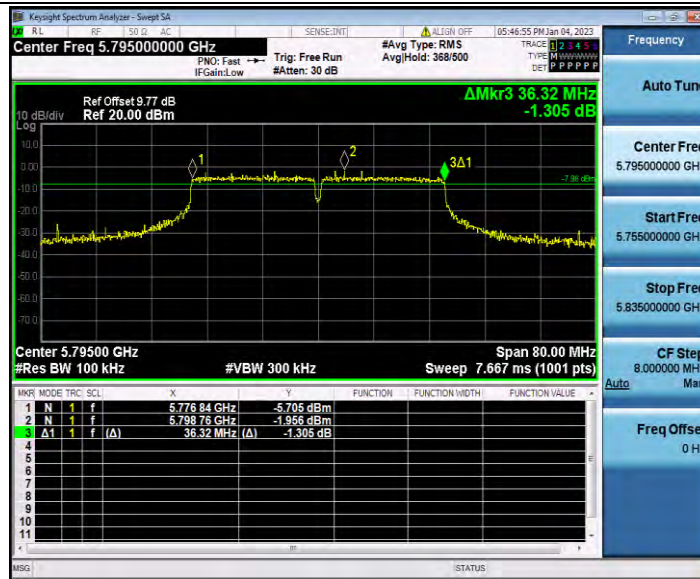
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



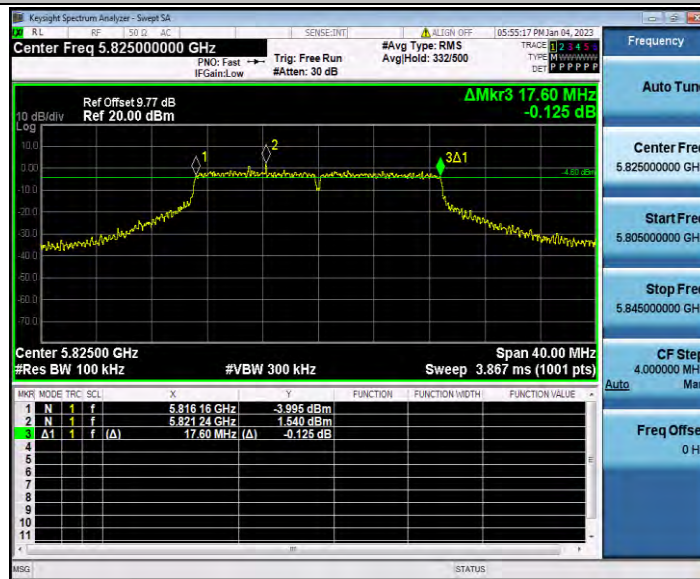
11AC20SISO_Ant1_5745



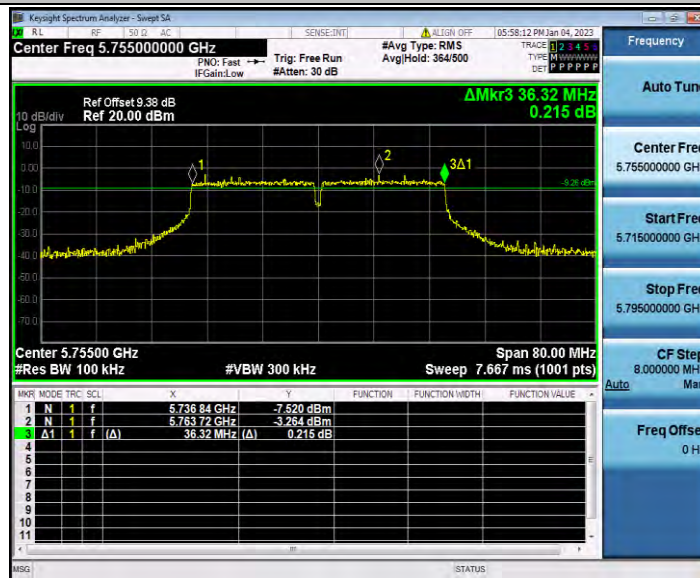
11AC20SISO_Ant1_5785



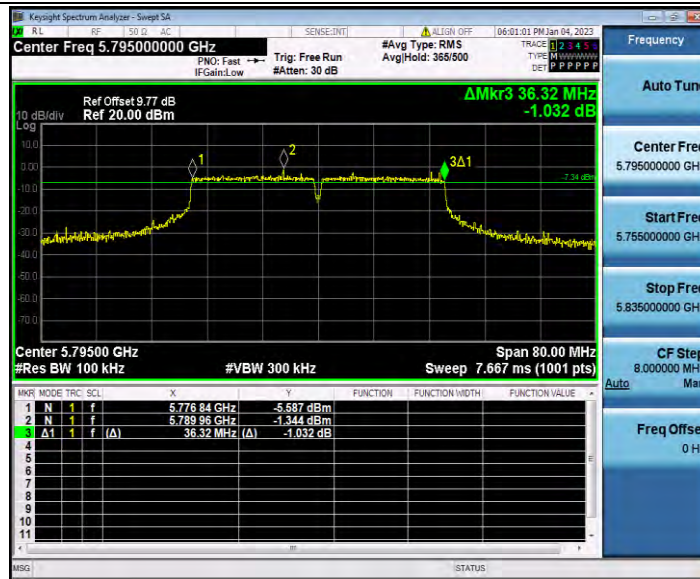
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



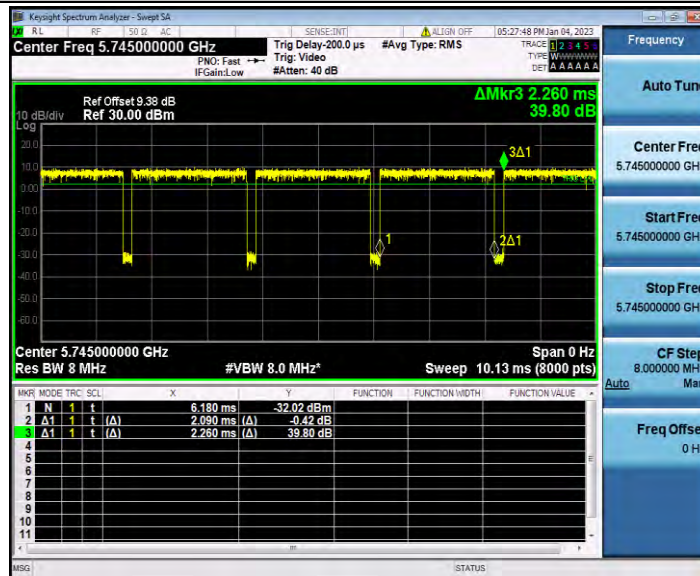
Appendix E.3: Duty Cycle

Test Result

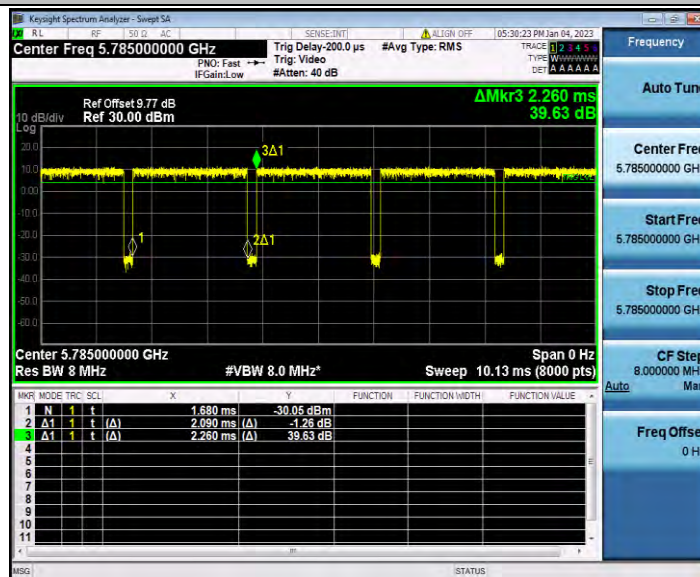
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	2.09	2.26	92.48
		5785	2.09	2.26	92.48
		5825	2.09	2.26	92.48
11N20SISO	Ant1	5745	16.05	16.22	98.95
		5785	16.05	16.22	98.95
		5825	16.05	16.22	98.95
11N40SISO	Ant1	5755	16.05	16.22	98.95
		5795	16.06	16.23	98.95
11AC20SISO	Ant1	5745	16.04	16.21	98.95
		5785	16.04	16.21	98.95
		5825	16.04	16.21	98.95
11AC40SISO	Ant1	5755	16.04	16.21	98.95
		5795	16.04	16.21	98.95
11AC80SISO	Ant1	5775	11.00	11.17	98.48

Test Graphs

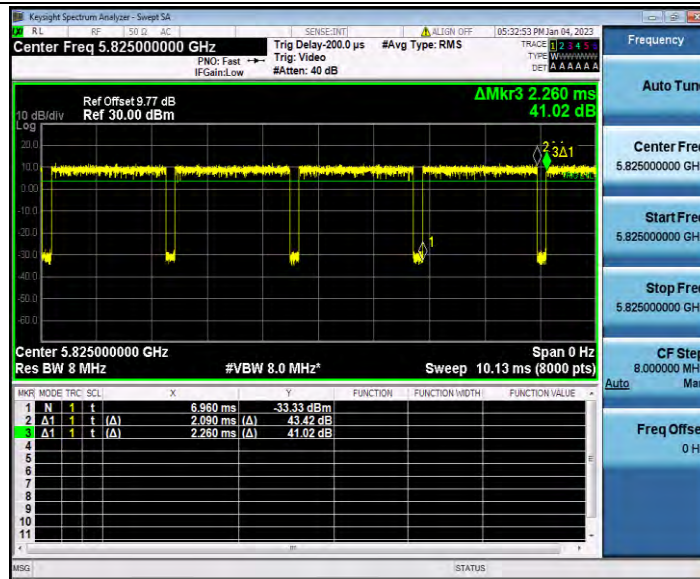
11A_Ant1_5745



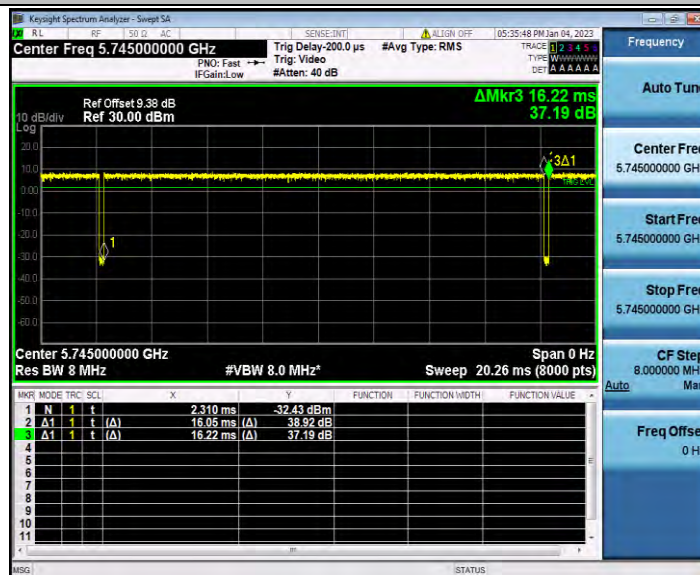
11A_Ant1_5785



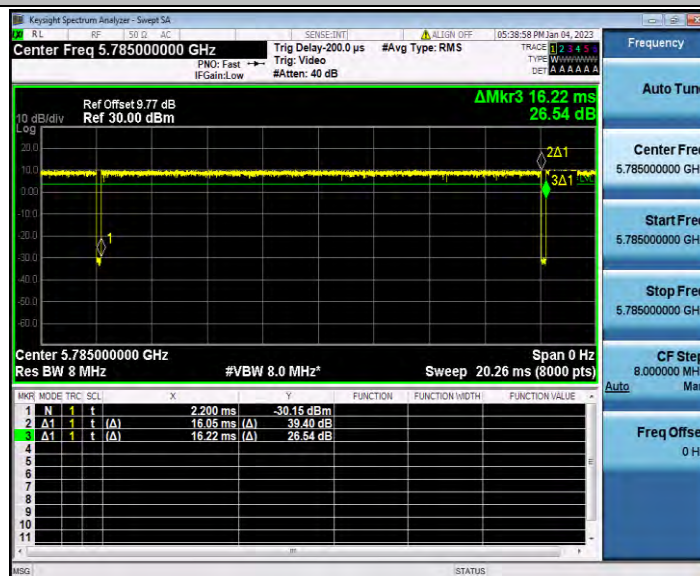
11A_Ant1_5825



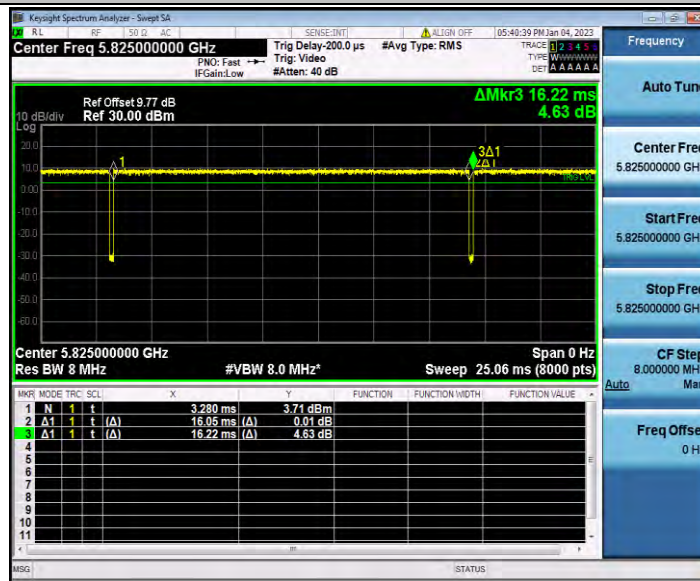
11N20SISO_Ant1_5745



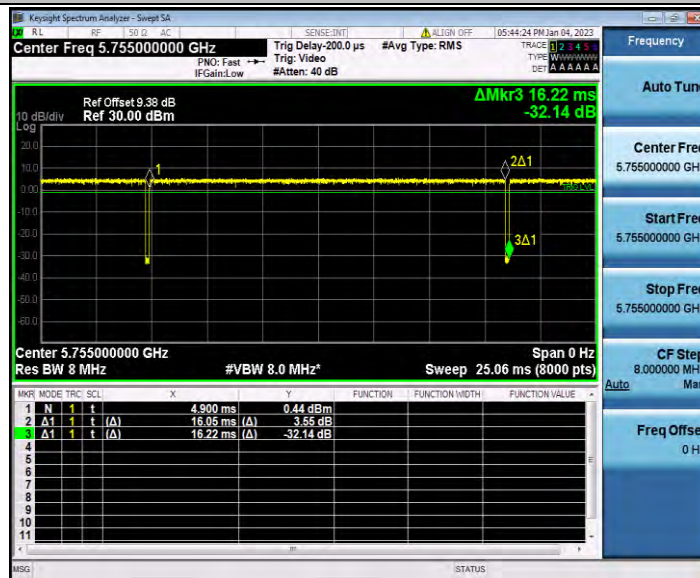
11N20SISO_Ant1_5785



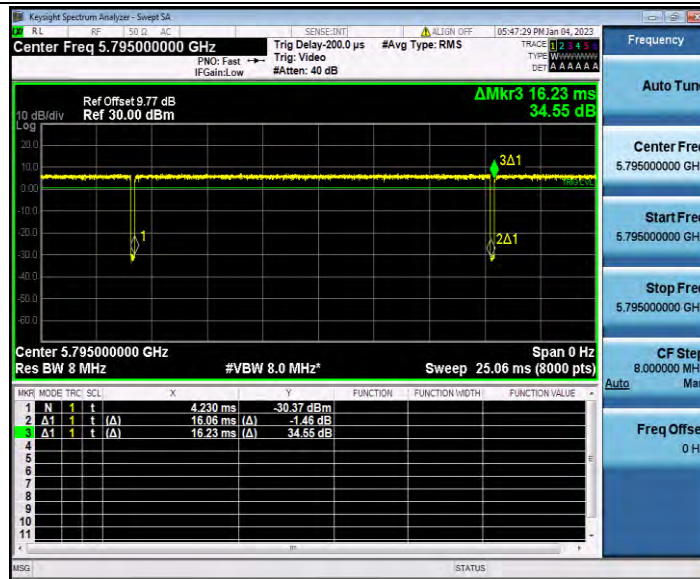
11N20SISO_Ant1_5825



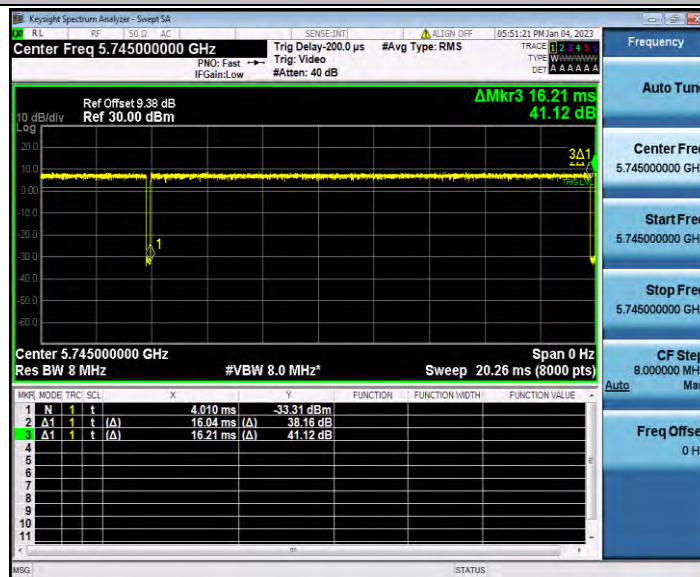
11N40SISO_Ant1_5755



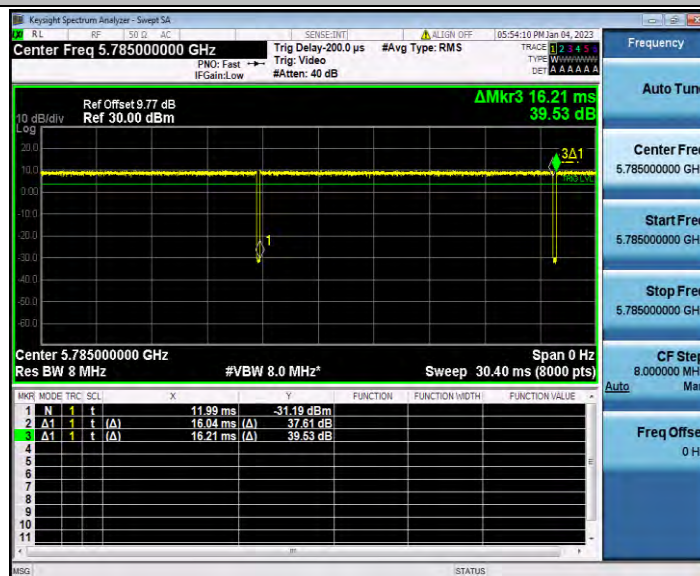
11N40SISO_Ant1_5795



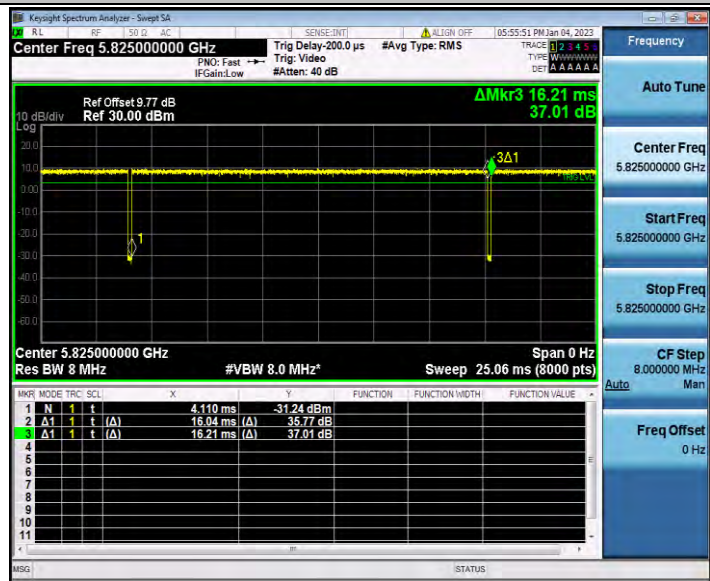
11AC20SISO_Ant1_5745



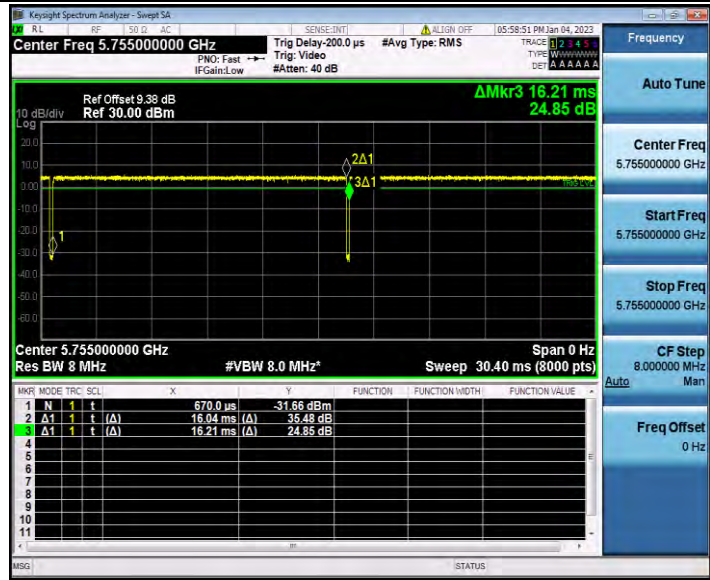
11AC20SISO_Ant1_5785



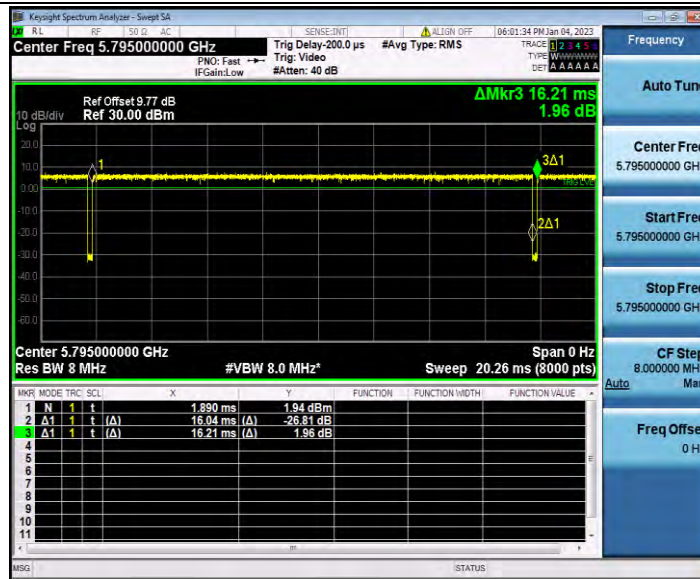
11AC20SISO_Ant1_5825



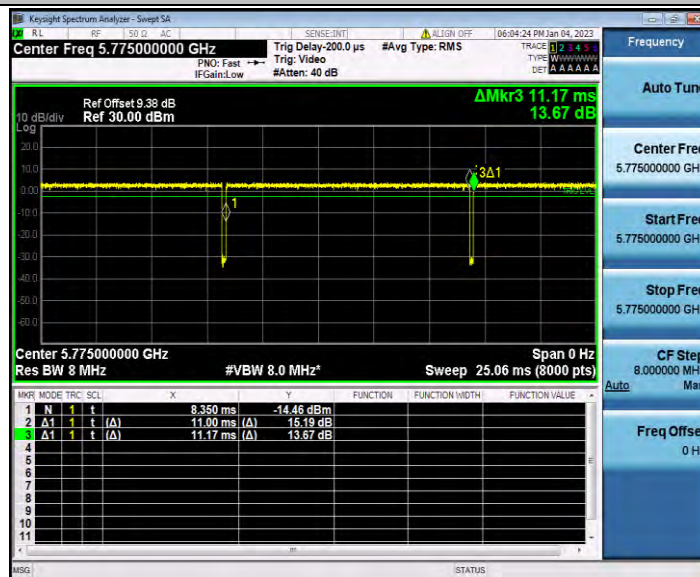
11AC40SISO_Ant1_5755



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	10.35	92.48	0.34	10.69	≤30.00	PASS
		5785	12.03	92.48	0.34	12.37	≤30.00	PASS
		5825	11.91	92.48	0.34	12.25	≤30.00	PASS
11N20SISO	Ant1	5745	10.61	98.95	0.05	10.66	≤30.00	PASS
		5785	12.31	98.95	0.05	12.36	≤30.00	PASS
		5825	12.23	98.95	0.05	12.28	≤30.00	PASS
11N40SISO	Ant1	5755	11.13	98.95	0.05	11.18	≤30.00	PASS
		5795	12.48	98.95	0.05	12.53	≤30.00	PASS
11AC20SISO	Ant1	5745	10.55	98.95	0.05	10.60	≤30.00	PASS
		5785	12.35	98.95	0.05	12.40	≤30.00	PASS
		5825	12.21	98.95	0.05	12.26	≤30.00	PASS
11AC40SISO	Ant1	5755	11.12	98.95	0.05	11.17	≤30.00	PASS
		5795	12.50	98.95	0.05	12.55	≤30.00	PASS
11AC80SISO	Ant1	5775	12.07	98.48	0.07	12.14	≤30.00	PASS

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

Appendix E.5: Maximum power spectral density

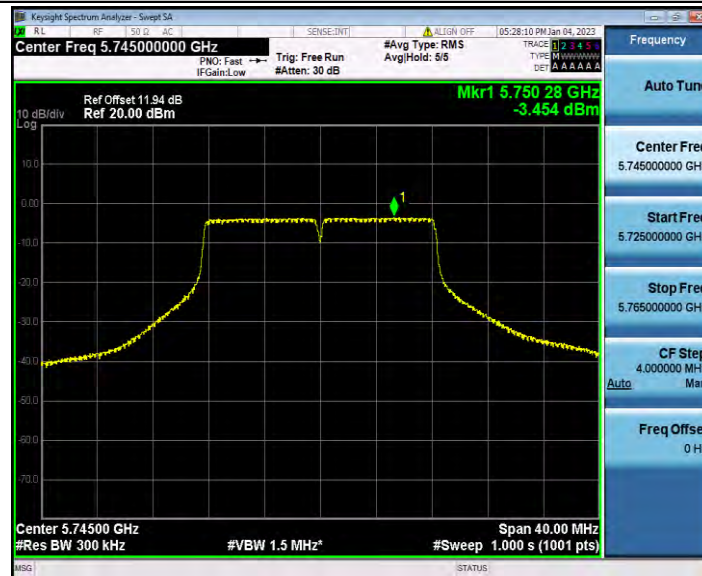
Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-3.45	≤30.00	PASS
		5785	-2	≤30.00	PASS
		5825	-1.83	≤30.00	PASS
11N20SISO	Ant1	5745	-4.13	≤30.00	PASS
		5785	-2.45	≤30.00	PASS
		5825	-2.36	≤30.00	PASS
11N40SISO	Ant1	5755	-6.52	≤30.00	PASS
		5795	-5.25	≤30.00	PASS
11AC20SISO	Ant1	5745	-4.25	≤30.00	PASS
		5785	-2.41	≤30.00	PASS
		5825	-2.41	≤30.00	PASS
11AC40SISO	Ant1	5755	-6.59	≤30.00	PASS
		5795	-5.2	≤30.00	PASS
11AC80SISO	Ant1	5775	-8.26	≤30.00	PASS

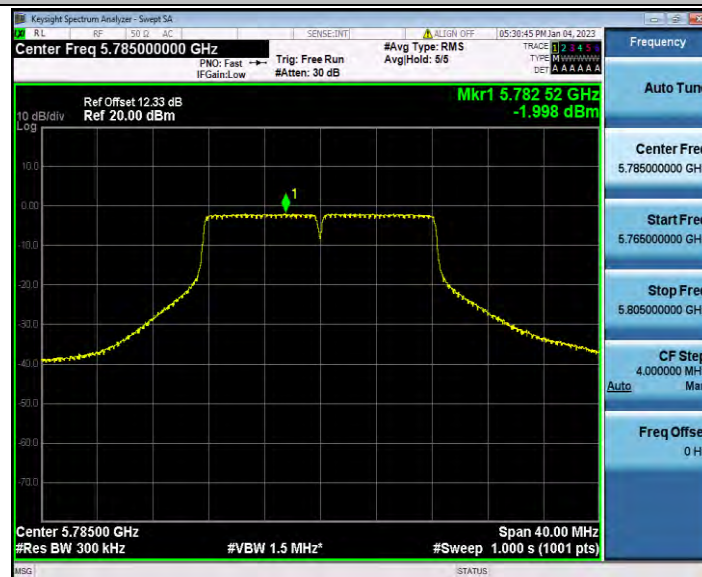
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A_Ant1_5745



11A_Ant1_5785



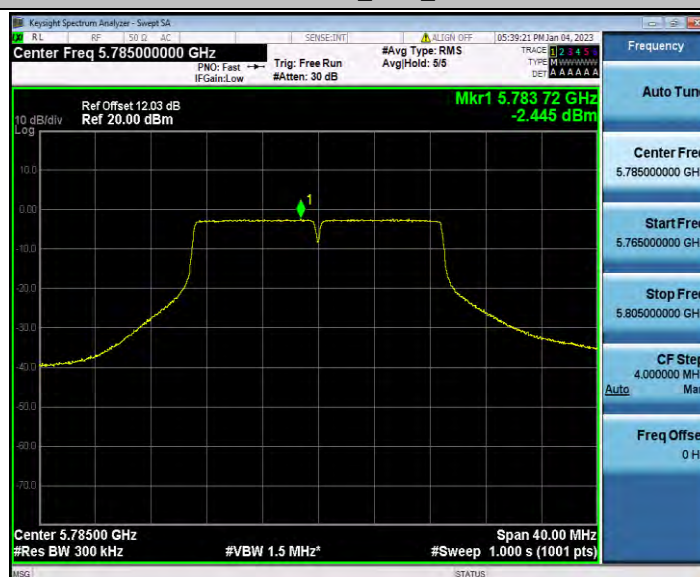
11A_Ant1_5825



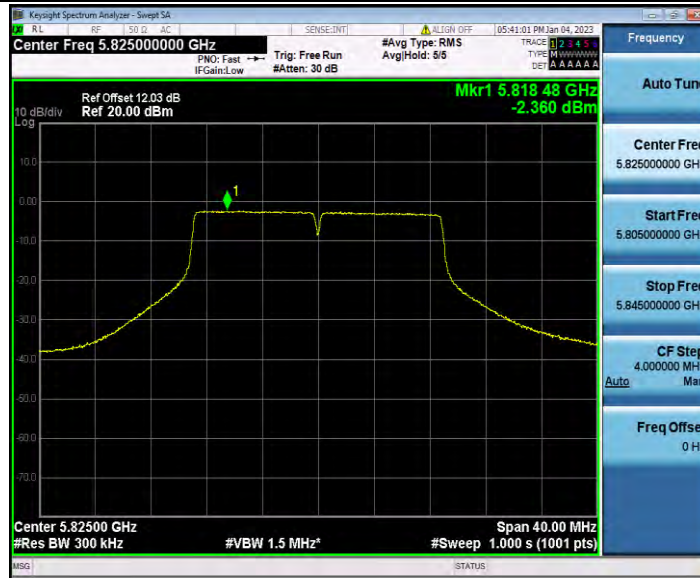
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



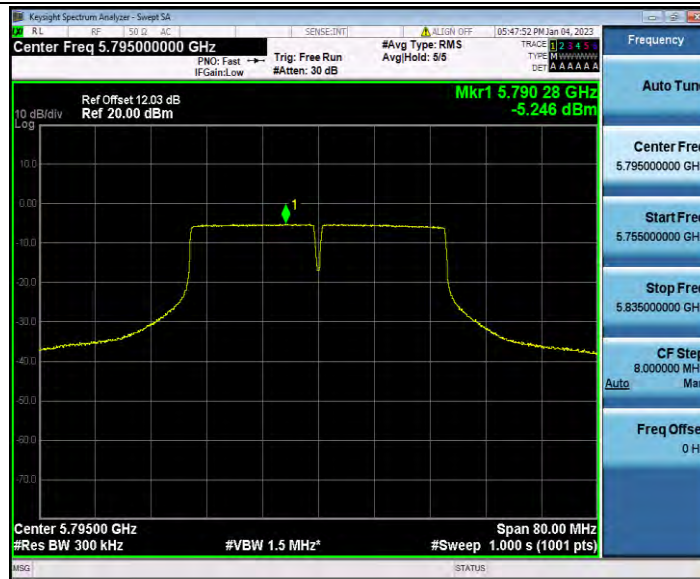
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



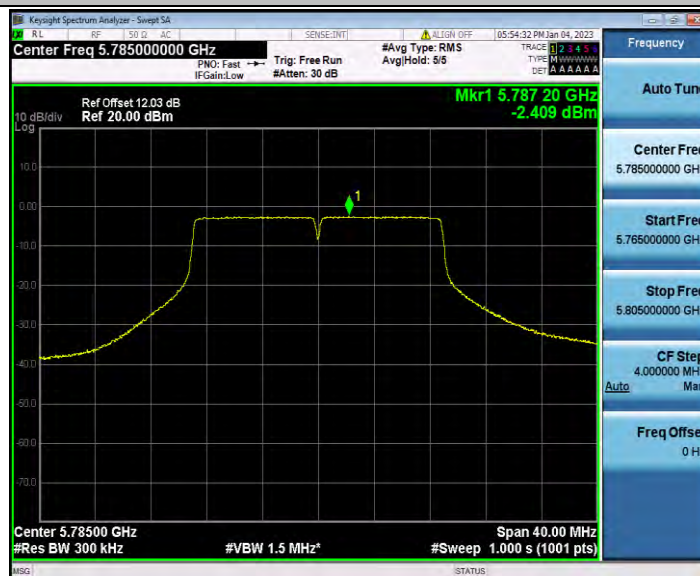
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



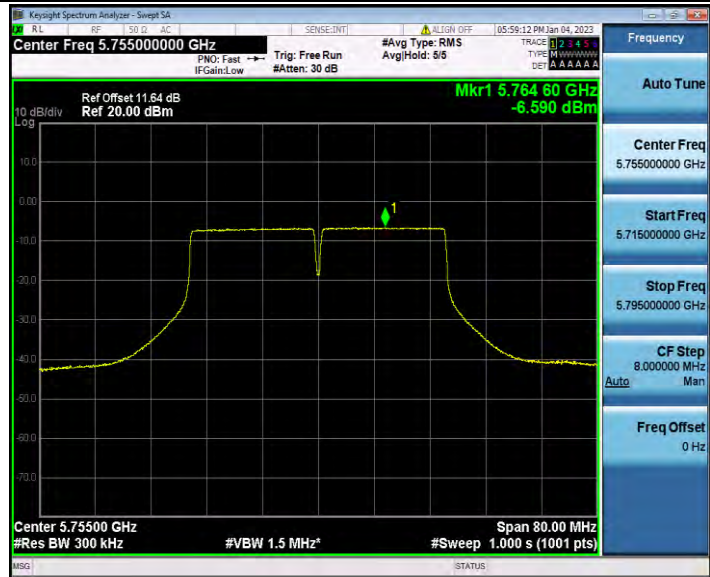
11AC20SISO_Ant1_5785



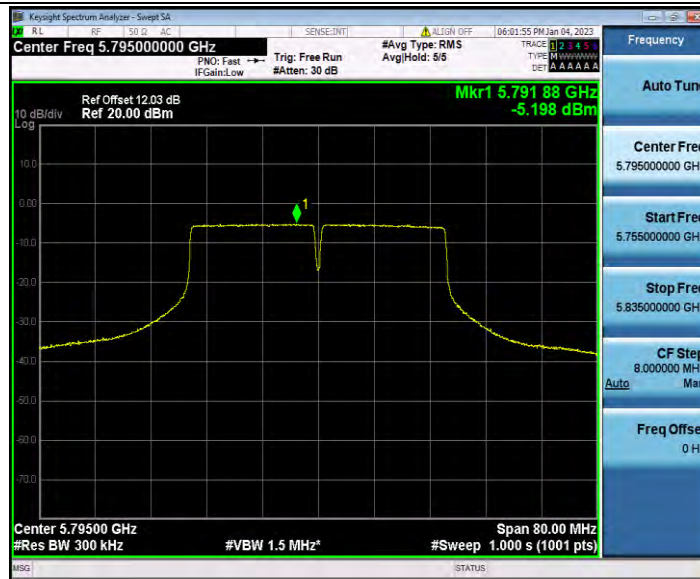
11AC20SISO_Ant1_5825



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	-38.46	≤8.45	PASS
				5700~5720	-28.28	≤14.76	PASS
				5720~5725	-25.47	≤25.52	PASS
				5760~5650	-40.03	≤-27	PASS
		High	5825	5850~5855	-33.02	≤16.10	PASS
				5855~5875	-33.84	≤11.04	PASS
				5875~5925	-36.29	≤-22.76	PASS
				5925~5935	-39.21	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-38.79	≤-26.19	PASS
				5700~5720	-28	≤14.02	PASS
				5720~5725	-26.99	≤26.04	PASS
				5760~5650	-40.37	≤-27	PASS
		High	5825	5850~5855	-28.84	≤15.79	PASS
				5855~5875	-34.01	≤11.76	PASS
				5875~5925	-36.03	≤-25.46	PASS
				5925~5935	-38.59	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-29.48	≤5.66	PASS
				5700~5720	-25.25	≤15.24	PASS
				5720~5725	-26.82	≤16.35	PASS
				5780~5650	-38.34	≤-27	PASS
		High	5795	5850~5855	-34.86	≤16.41	PASS
				5855~5875	-33.98	≤10.18	PASS
				5875~5925	-35.44	≤-26.19	PASS
				5925~5935	-37.97	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-38.09	≤9.21	PASS
				5700~5720	-28.68	≤15.40	PASS
				5720~5725	-25.75	≤23.94	PASS
				5760~5650	-39.8	≤-27	PASS
		High	5825	5850~5855	-30.23	≤15.79	PASS
				5855~5875	-33.95	≤10.82	PASS
				5875~5925	-36.31	≤-24.06	PASS
				5925~5935	-39.13	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-31.69	≤9.26	PASS
				5700~5720	-26.34	≤15.43	PASS
				5720~5725	-26.24	≤26.51	PASS

		High	5795	5780~5650	-37.7	≤ -27	PASS
				5850~5855	-34.32	≤ 22.80	PASS
				5855~5875	-34.66	≤ 11.75	PASS
				5875~5925	-35.87	≤ -23.26	PASS
				5925~5935	-39.17	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-28.28	≤ 6.92	PASS
				5700~5720	-22.76	≤ 13.09	PASS
				5720~5725	-24.2	≤ 25.89	PASS
				5800~5650	-31.34	≤ -27	PASS
		High	5775	5850~5855	-25.86	≤ 18.75	PASS
				5855~5875	-26.83	≤ 10.70	PASS
				5875~5925	-32.03	≤ -25.86	PASS
				5925~5935	-37.64	≤ -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



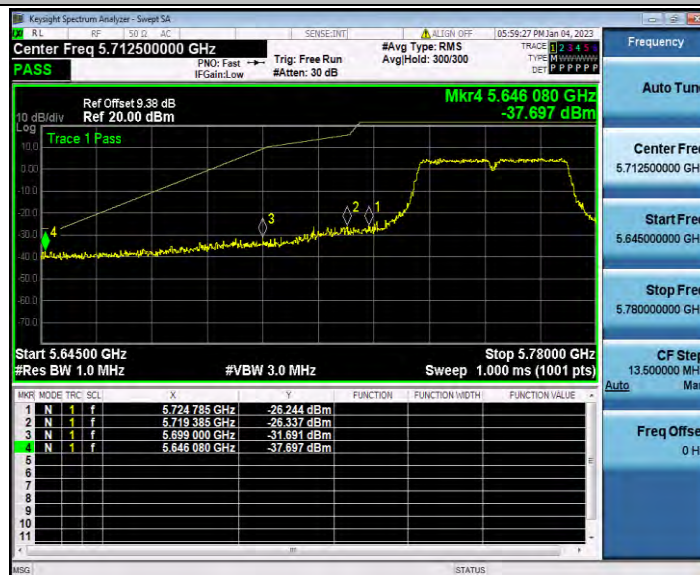
11AC20SISO_Ant1_Low_5745



11AC20SISO_Ant1_High_5825



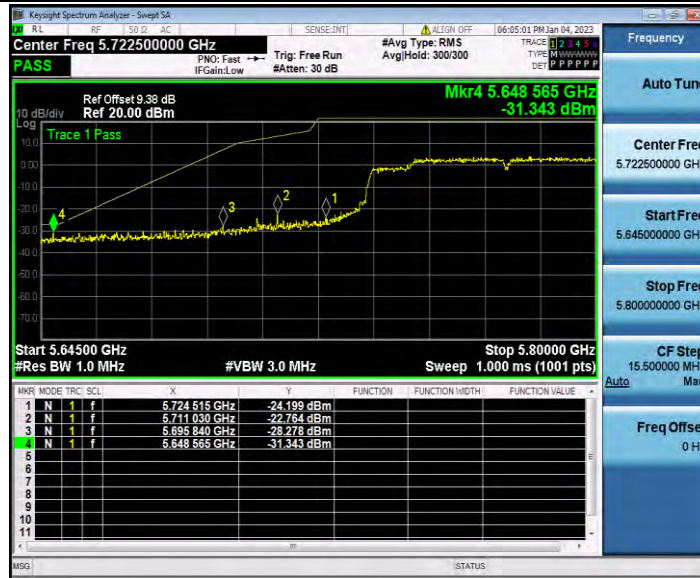
11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775



Appendix E.7: Conducted Spurious Emission

Test Result

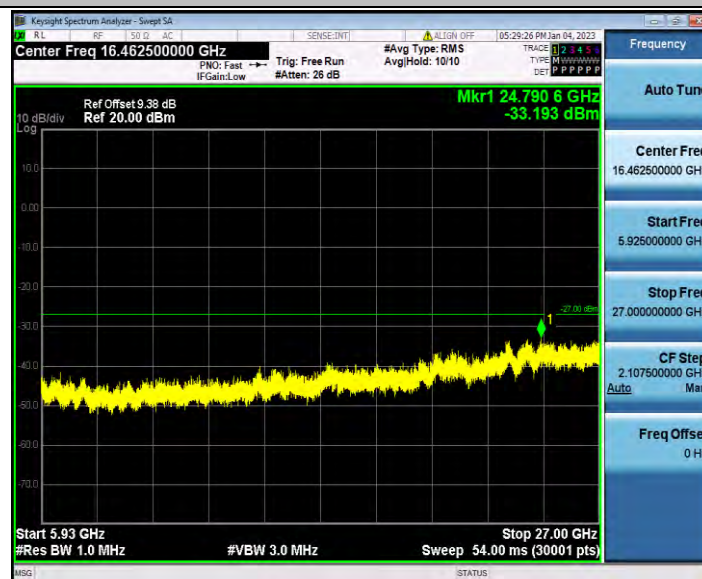
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5392.42	-41.21	≤-27	PASS
			5925~40000	24790.64	-33.19	≤-27	PASS
		5785	30~5650	5409.28	-40.28	≤-27	PASS
			5925~40000	25526.16	-30.69	≤-27	PASS
		5825	30~5650	2636.74	-41.11	≤-27	PASS
			5925~40000	26652.26	-32.41	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5350.27	-40.79	≤-27	PASS
			5925~40000	24971.18	-32.93	≤-27	PASS
		5785	30~5650	5467.72	-40.34	≤-27	PASS
			5925~40000	24827.87	-32.47	≤-27	PASS
		5825	30~5650	4894.86	-40.01	≤-27	PASS
			5925~40000	26489.99	-32.05	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5640.82	-40.79	≤-27	PASS
			5925~40000	26756.94	-32.33	≤-27	PASS
		5795	30~5650	5592.49	-40.11	≤-27	PASS
			5925~40000	24817.33	-31.97	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	3168.4	-40.54	≤-27	PASS
			5925~40000	25595	-32.17	≤-27	PASS
		5785	30~5650	5319.92	-41.05	≤-27	PASS
			5925~40000	25004.2	-32.22	≤-27	PASS
		5825	30~5650	4798.2	-40.73	≤-27	PASS
			5925~40000	26147.87	-32.32	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5486.83	-40.65	≤-27	PASS
			5925~40000	25221.97	-32.65	≤-27	PASS
		5795	30~5650	5491.52	-39.57	≤-27	PASS
			5925~40000	26832.81	-32.68	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5644.38	-34.55	≤-27	PASS
			5925~40000	26801.9	-32.73	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650



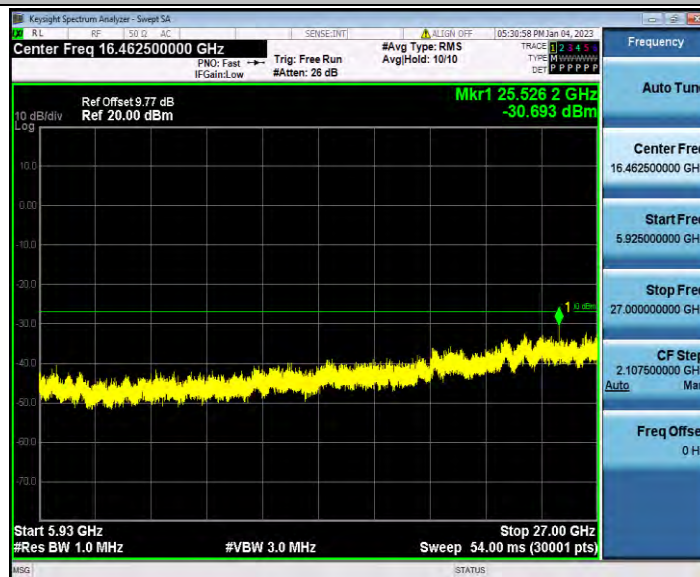
11A_Ant1_5745_5925~40000



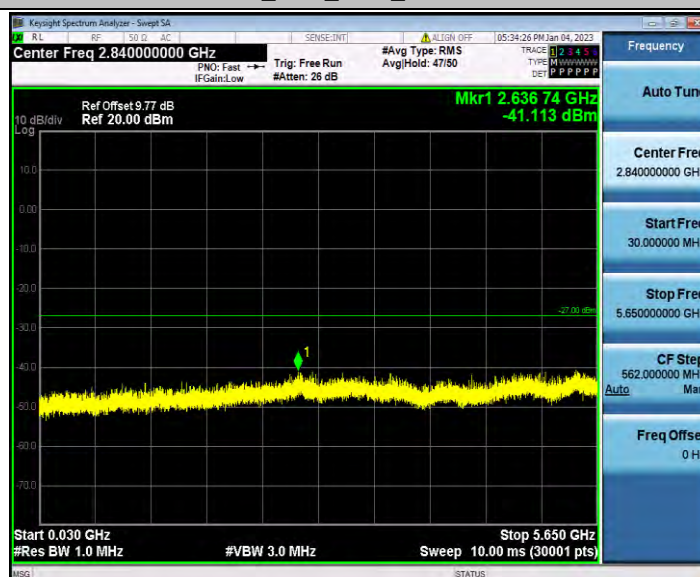
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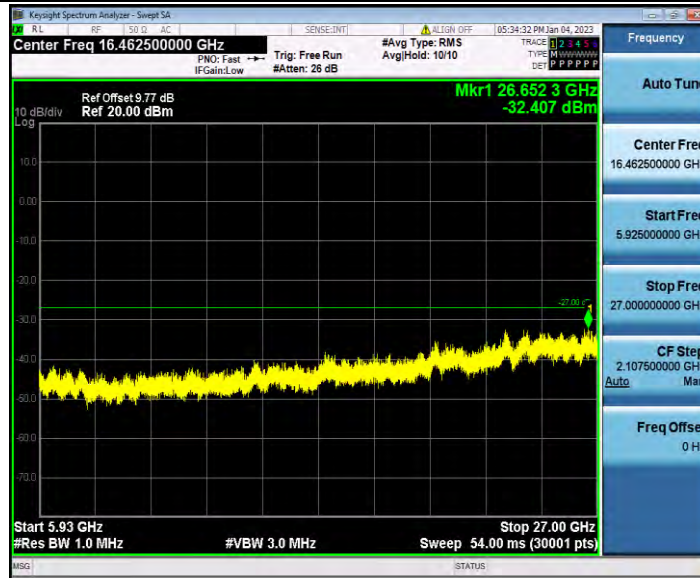
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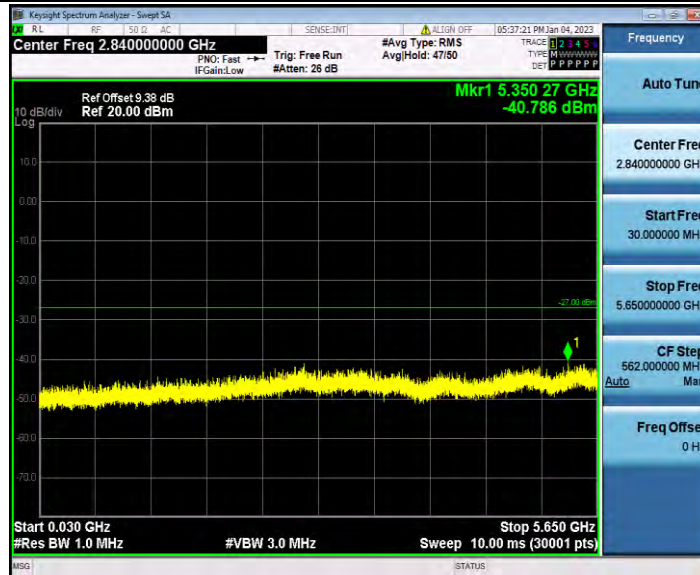
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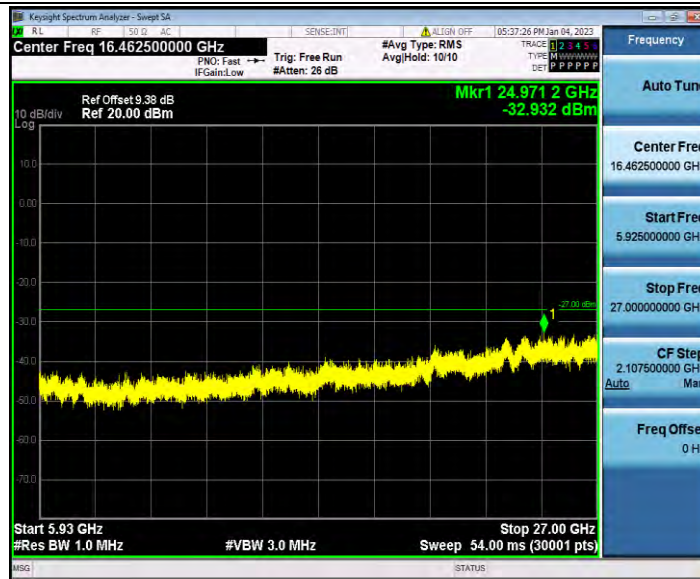
11A_Ant1_5825_5925~40000



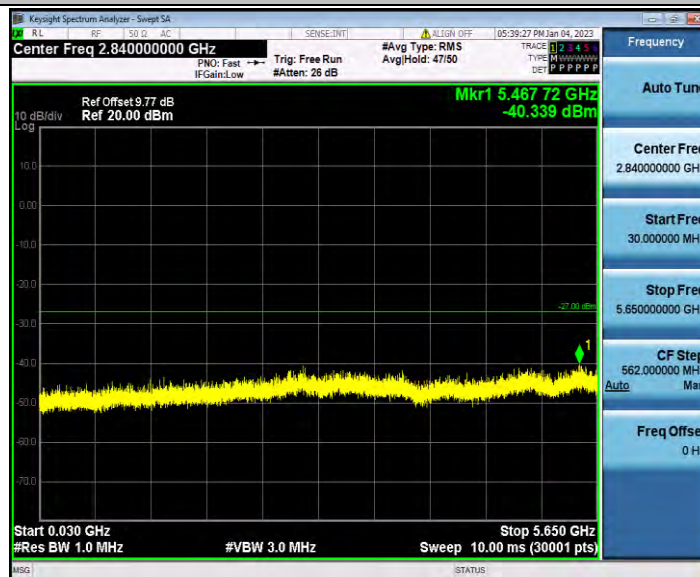
11N20SISO_Ant1_5745_30~5650



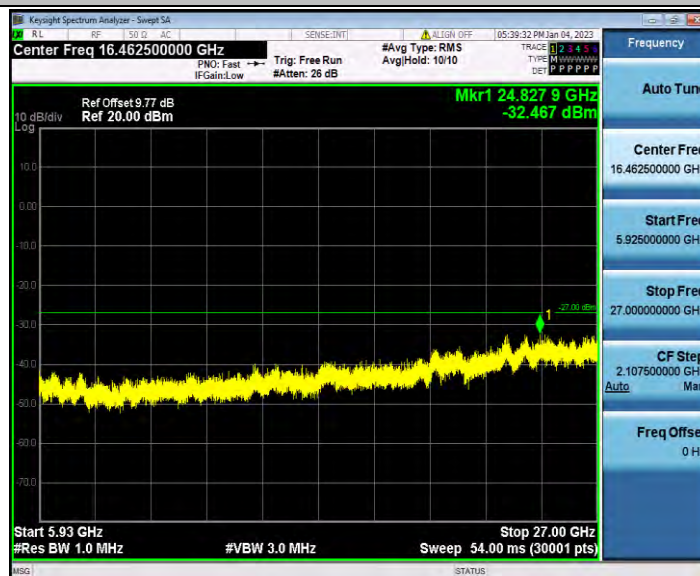
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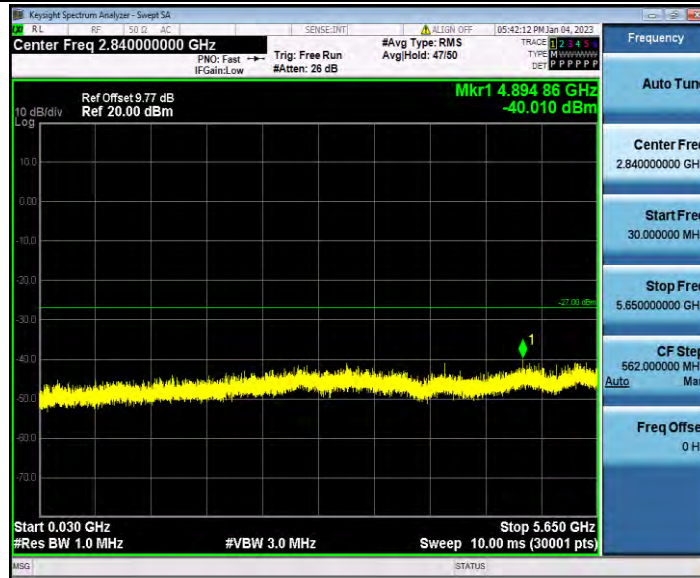
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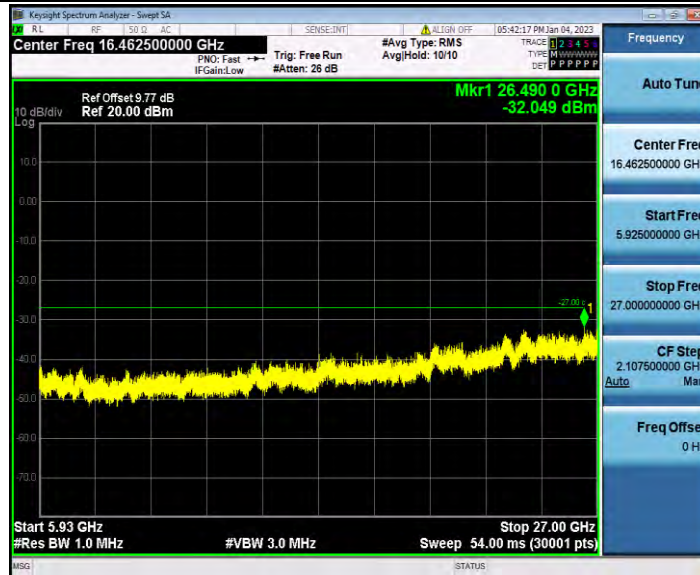
11N20SISO_Ant1_5785_5925~40000



11N20SISO_Ant1_5825_30~5650



11N20SISO_Ant1_5825_5925~40000



11N40SISO_Ant1_5755_30~5650



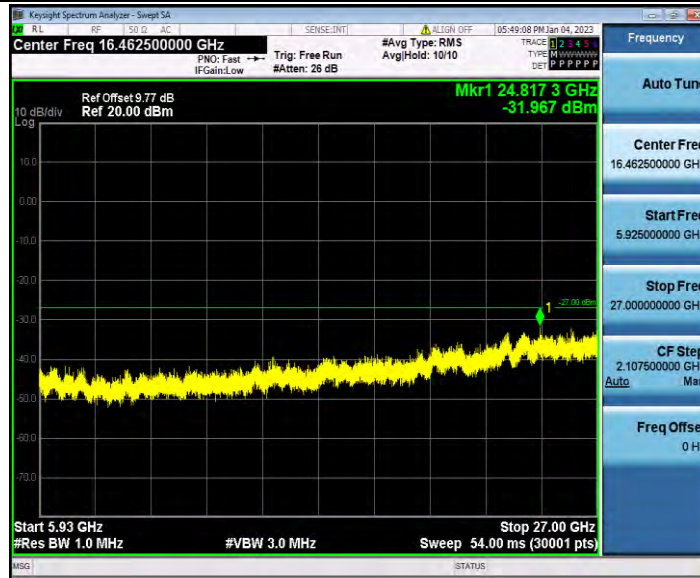
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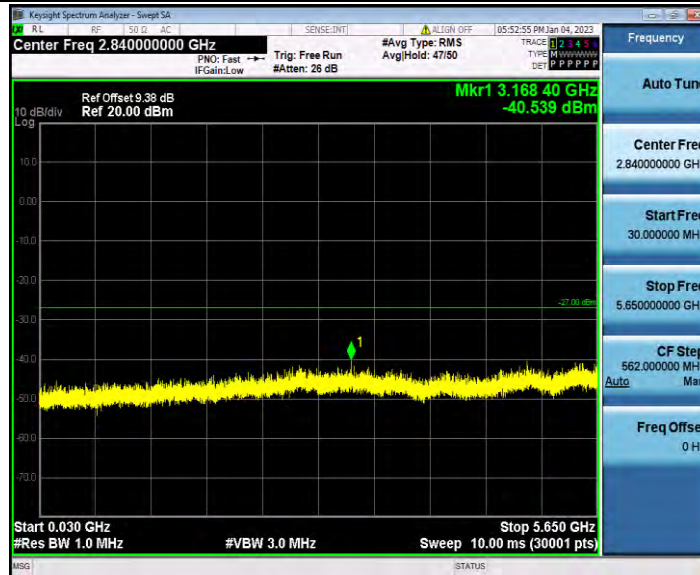
11N40SISO_Ant1_5795_30~5650



11N40SISO_Ant1_5795_5925~40000



11AC20SISO_Ant1_5745_30~5650



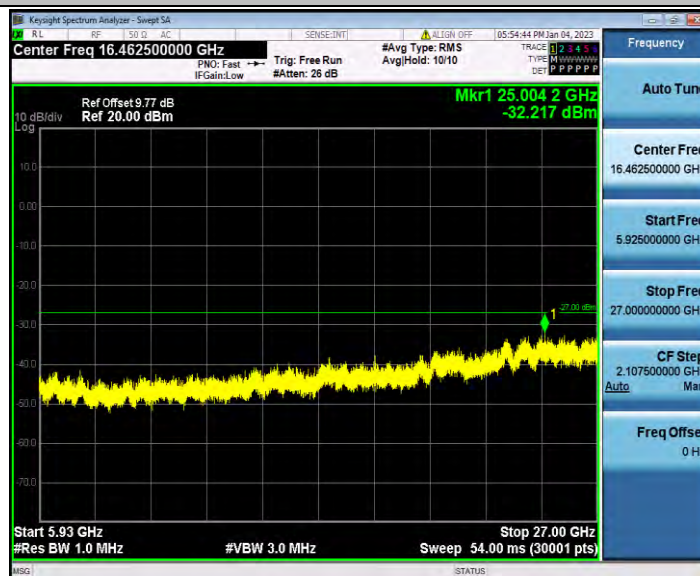
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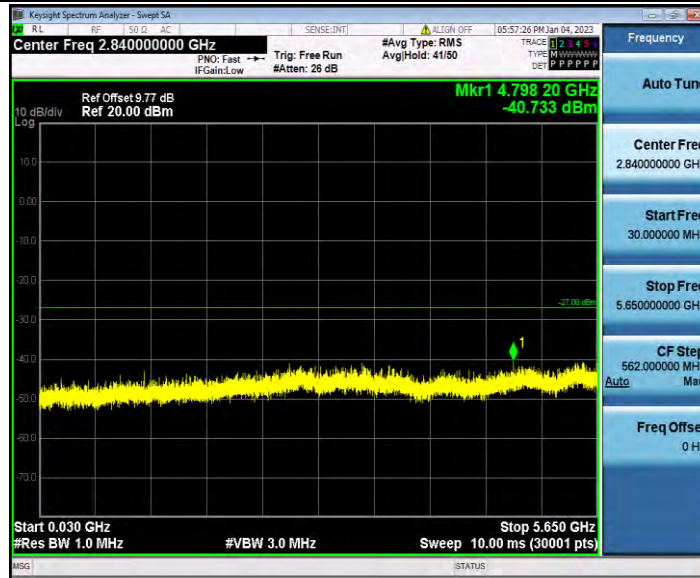
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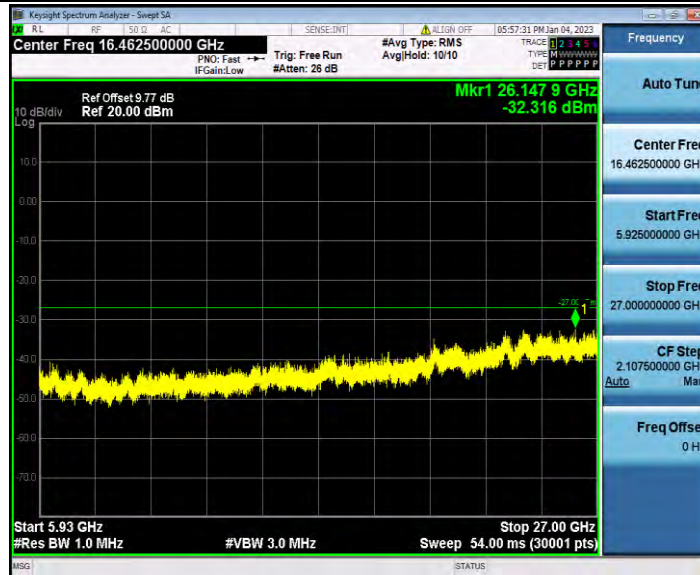
11AC20SISO_Ant1_5785_5925~40000



11AC20SISO_Ant1_5825_30~5650



11AC20SISO_Ant1_5825_5925~40000



11AC40SISO_Ant1_5755_30~5650



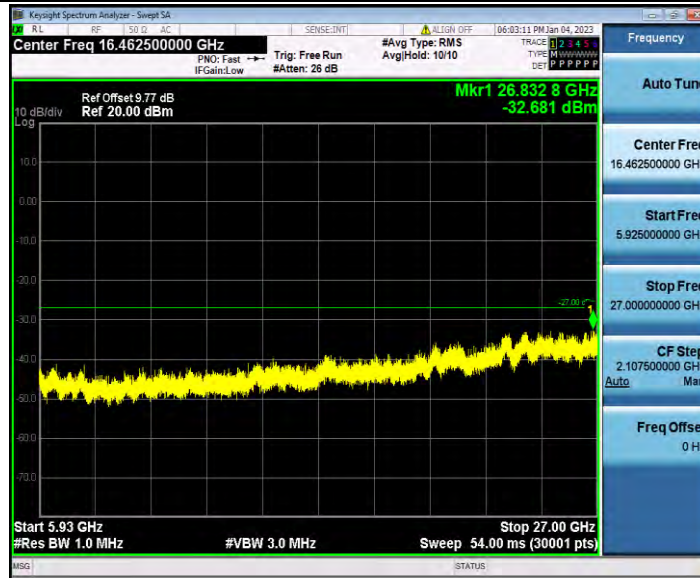
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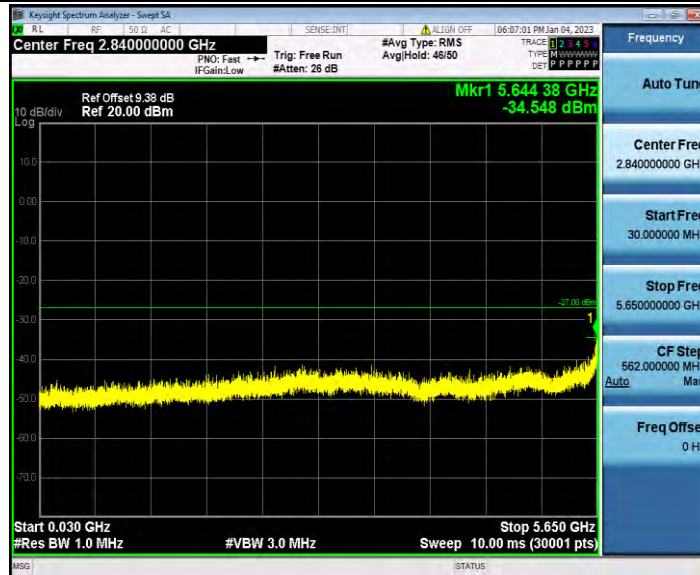
11AC40SISO_Ant1_5795_30~5650



11AC40SISO_Ant1_5795_5925~40000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~40000

