

Case No. : <u>GTS20230111005-1-13</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.2.20</u>	Test Engineer: <u>Jenny zeng</u>

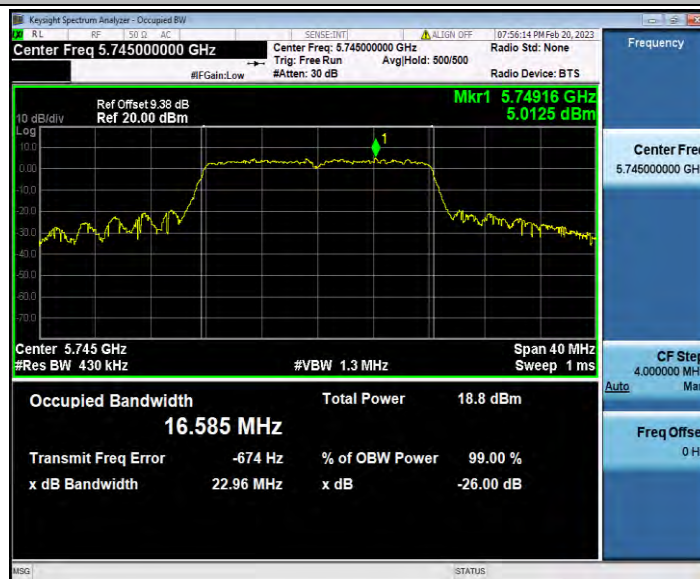
Appendix G.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.585	5736.707	5753.292	---	---
		5785	16.564	5776.759	5793.323	---	---
		5825	16.556	5816.759	5833.315	---	---
11N20SISO	Ant1	5745	17.625	5736.250	5753.875	---	---
		5785	17.628	5776.256	5793.884	---	---
		5825	17.647	5816.202	5833.849	---	---
11N40SISO	Ant1	5755	36.322	5737.034	5773.356	---	---
		5795	36.386	5777.019	5813.405	---	---
11AC20SISO	Ant1	5745	17.645	5736.228	5753.873	---	---
		5785	17.644	5776.253	5793.897	---	---
		5825	17.626	5816.252	5833.878	---	---
11AC40SISO	Ant1	5755	36.320	5737.028	5773.348	---	---
		5795	36.400	5776.977	5813.377	---	---
11AC80SISO	Ant1	5775	74.857	5737.978	5812.835	---	---

Test Graphs

11A_Ant1_5745



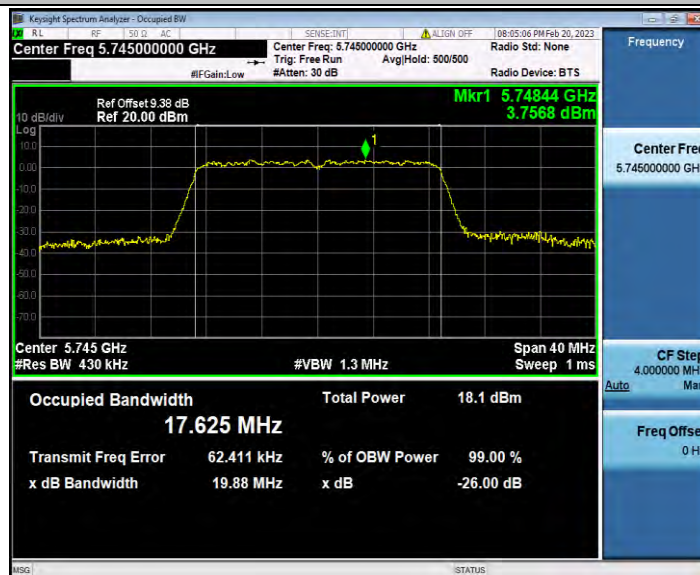
11A_Ant1_5785



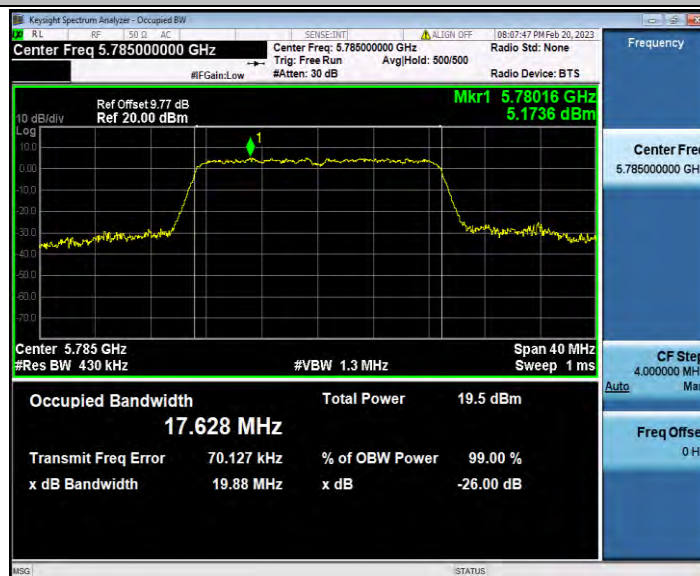
11A_Ant1_5825



11N20SISO_Ant1_5745



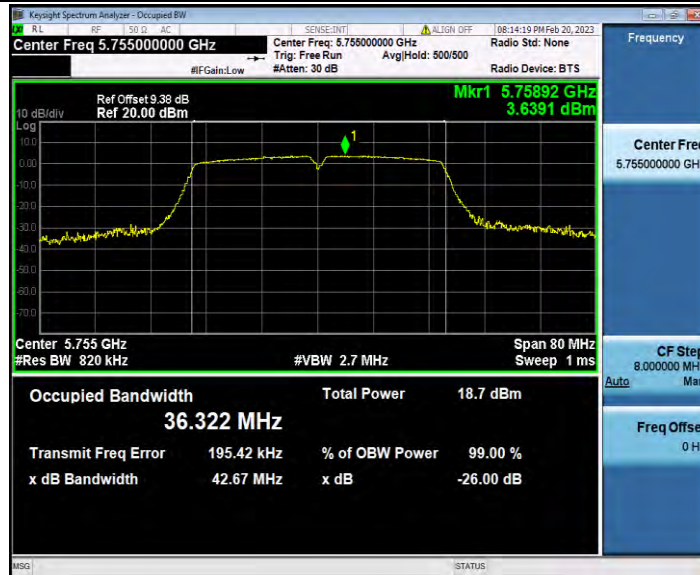
11N20SISO_Ant1_5785



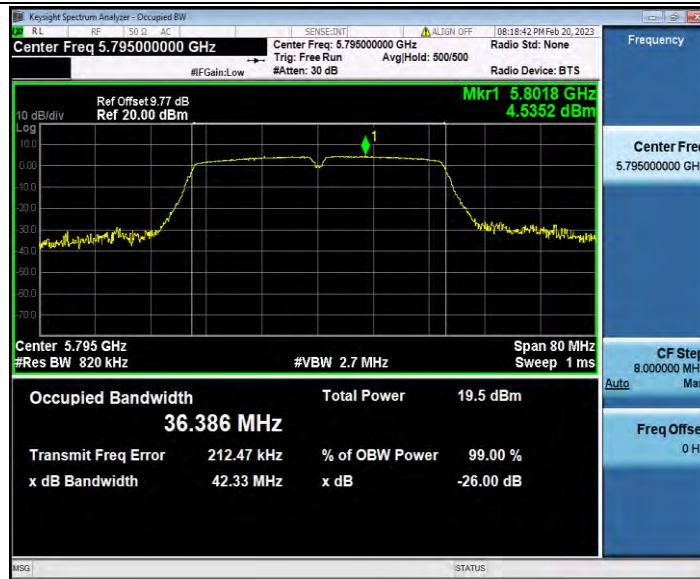
11N20SISO_Ant1_5825



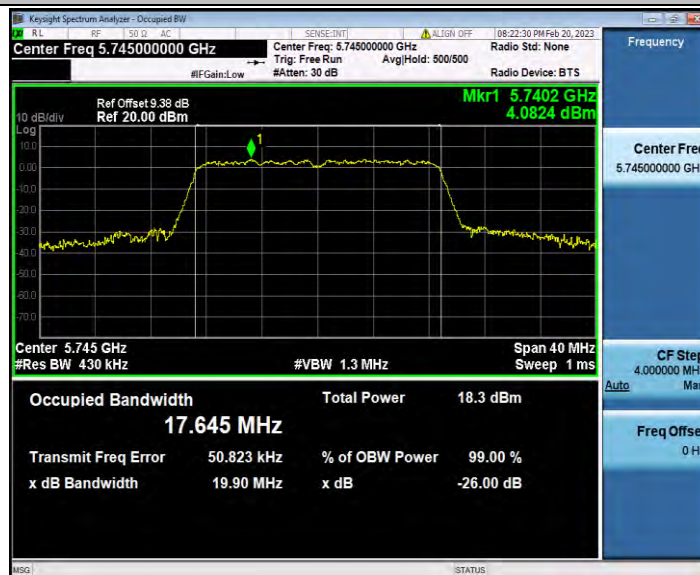
11N40SISO_Ant1_5755



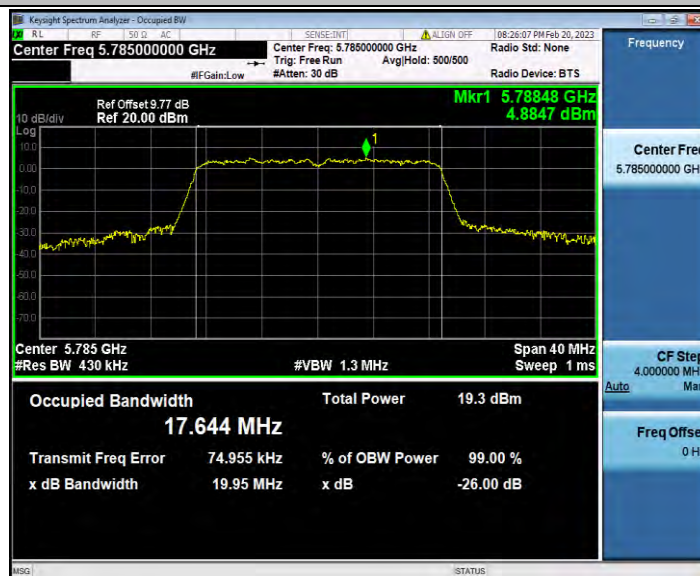
11N40SISO_Ant1_5795



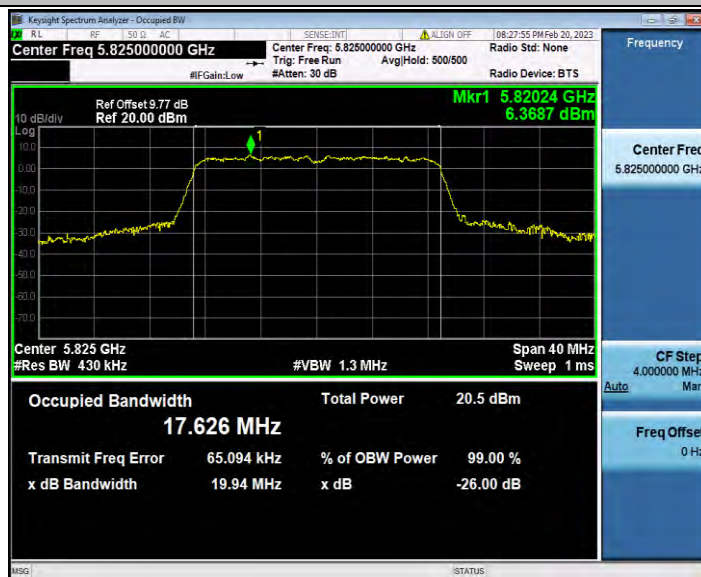
11AC20SISO_Ant1_5745



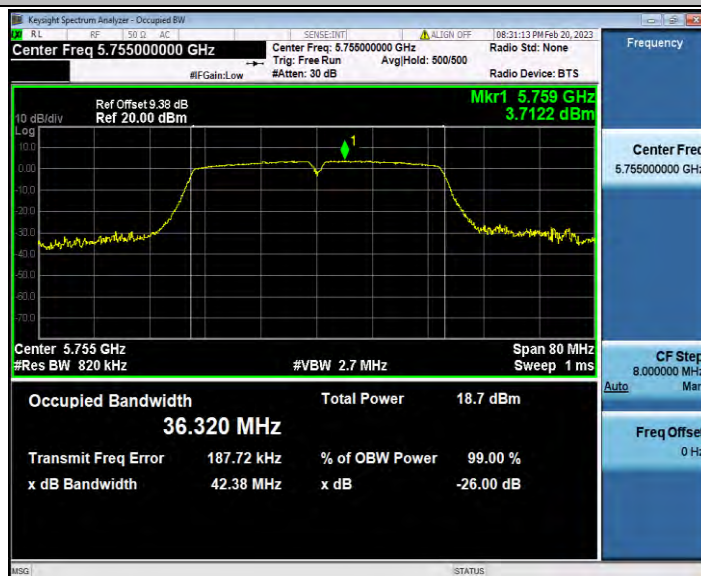
11AC20SISO_Ant1_5785



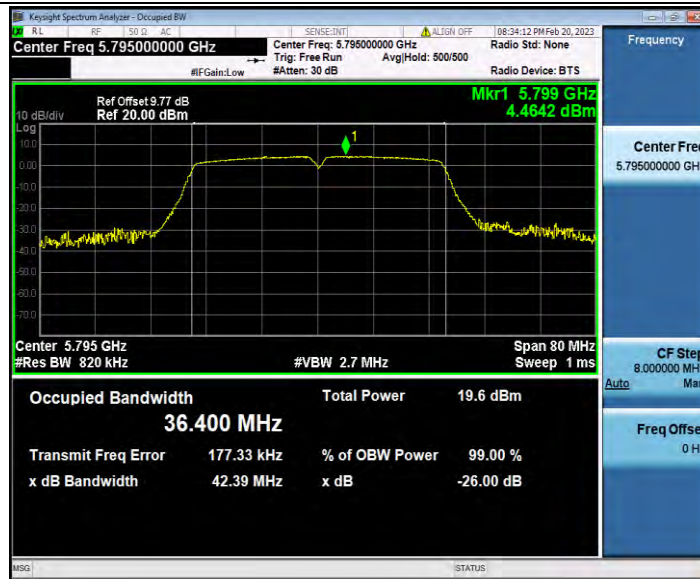
11AC20SISO_Ant1_5825



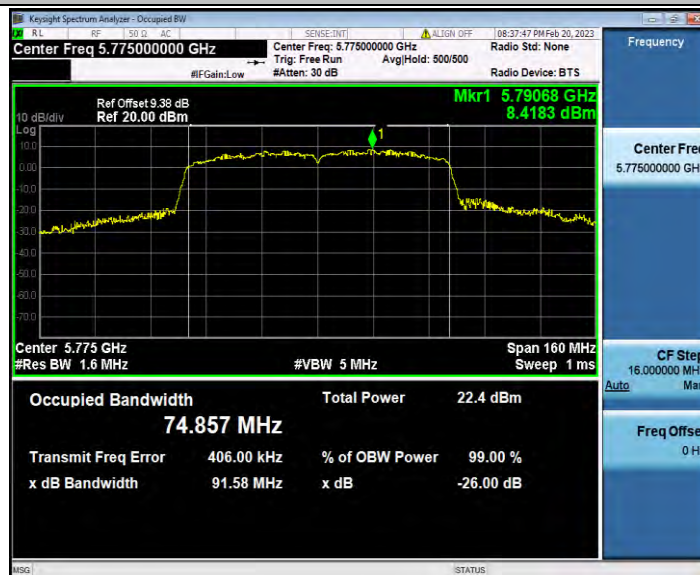
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

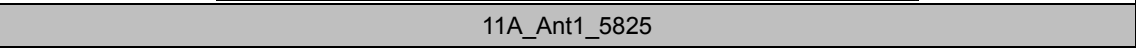
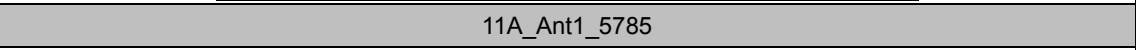


Appendix G.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.480	5736.760	5753.240	0.5	PASS
		5785	16.480	5776.800	5793.280	0.5	PASS
		5825	16.440	5816.840	5833.280	0.5	PASS
11N20SISO	Ant1	5745	17.640	5736.200	5753.840	0.5	PASS
		5785	17.680	5776.200	5793.880	0.5	PASS
		5825	17.640	5816.160	5833.800	0.5	PASS
11N40SISO	Ant1	5755	36.400	5736.840	5773.240	0.5	PASS
		5795	36.320	5776.920	5813.240	0.5	PASS
11AC20SISO	Ant1	5745	17.640	5736.200	5753.840	0.5	PASS
		5785	17.680	5776.200	5793.880	0.5	PASS
		5825	17.680	5816.200	5833.880	0.5	PASS
11AC40SISO	Ant1	5755	36.400	5736.840	5773.240	0.5	PASS
		5795	36.400	5776.840	5813.240	0.5	PASS
11AC80SISO	Ant1	5775	74.240	5739.000	5813.240	0.5	PASS

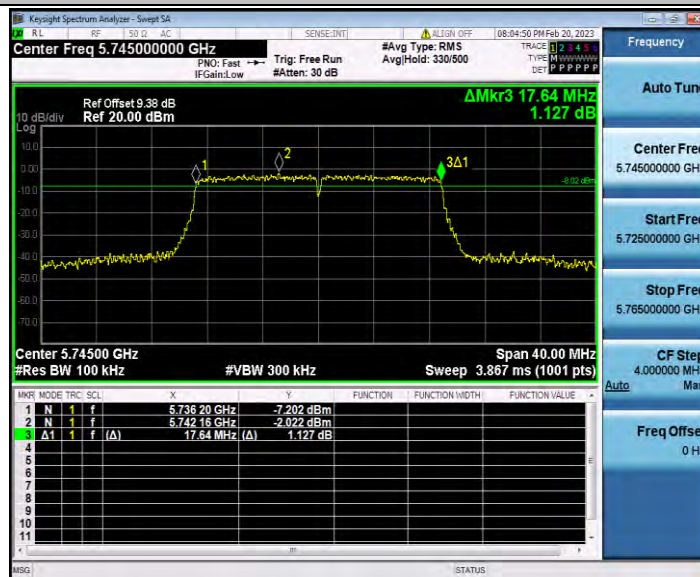
11A_Ant1_5745



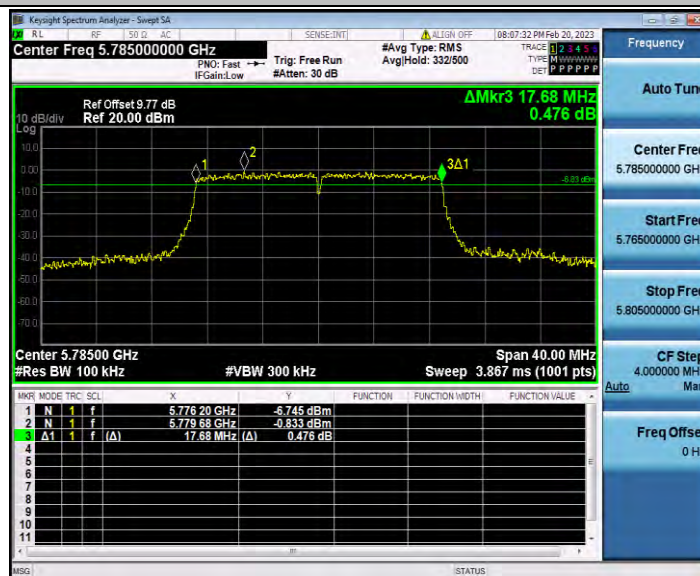
11A_Ant1_5825



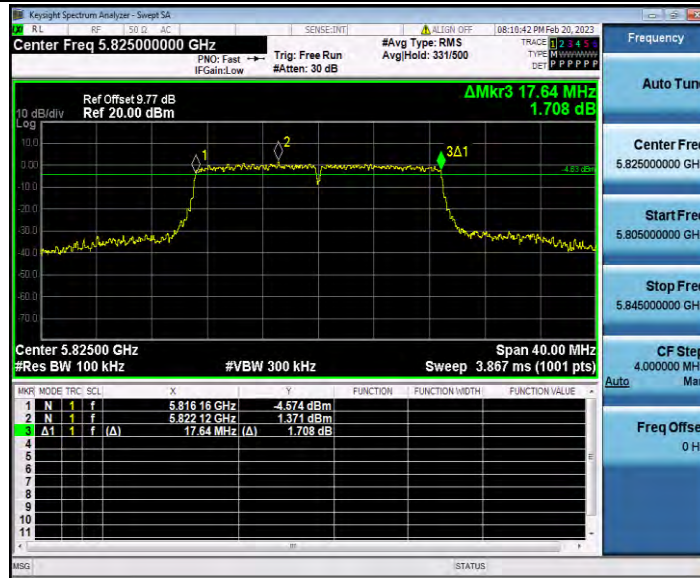
11N20SISO_Ant1_5745



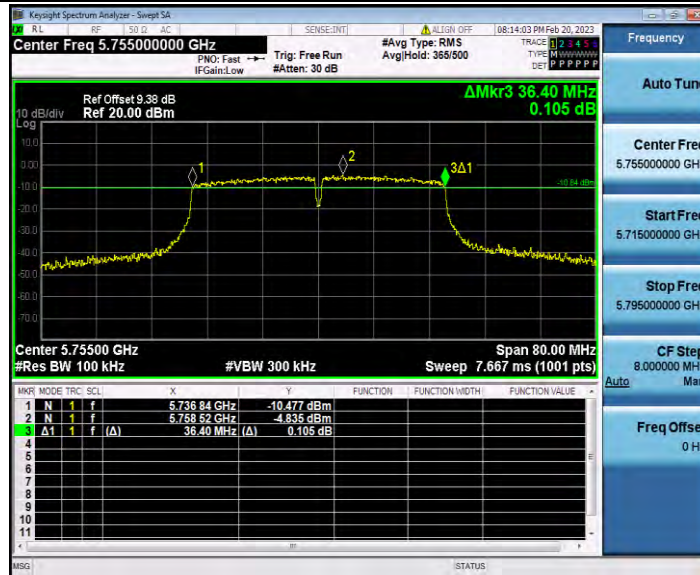
11N20SISO_Ant1_5785



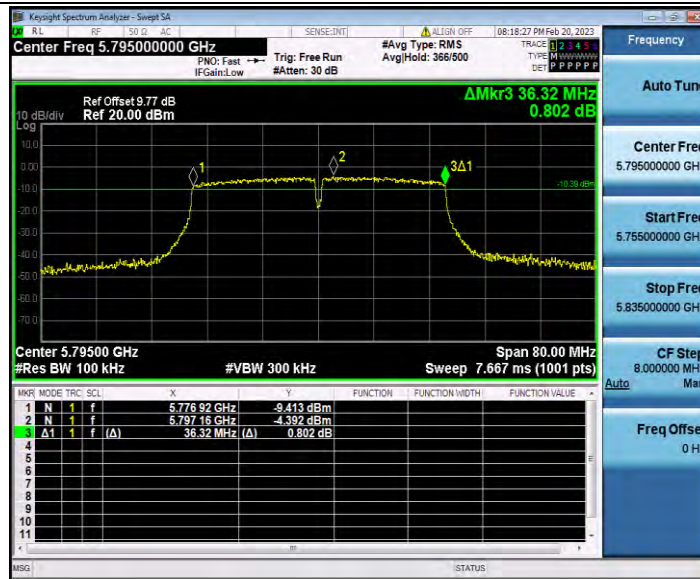
11N20SISO_Ant1_5825



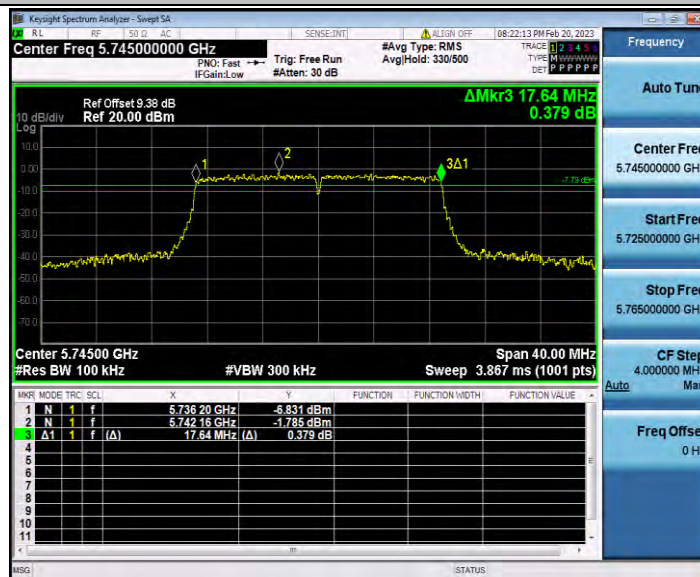
11N40SISO_Ant1_5755



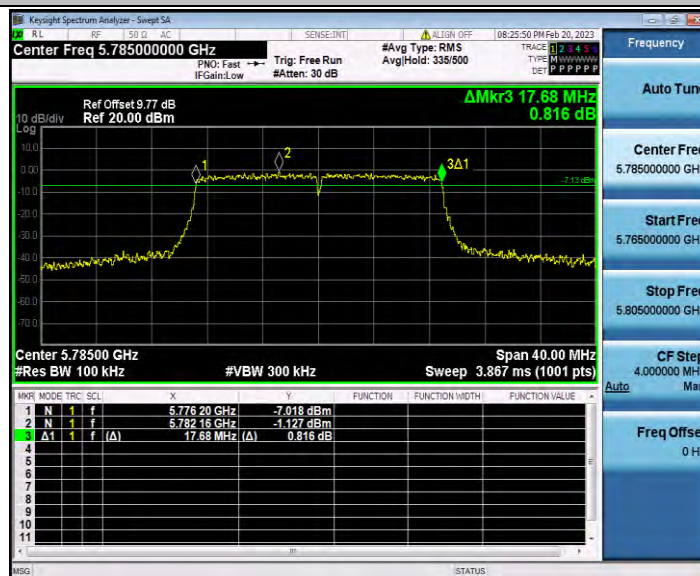
11N40SISO_Ant1_5795



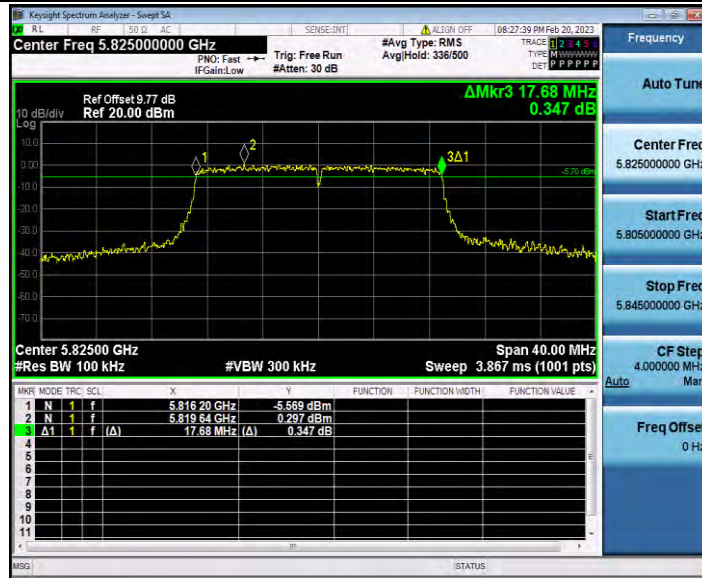
11AC20SISO_Ant1_5745



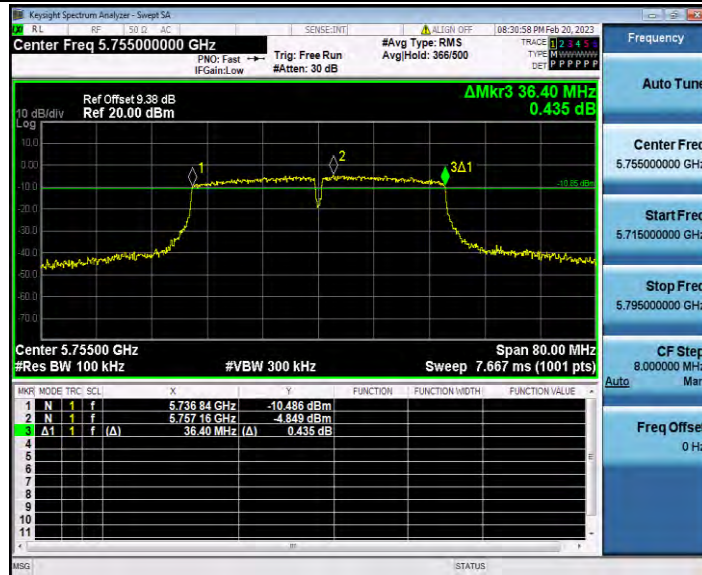
11AC20SISO_Ant1_5785



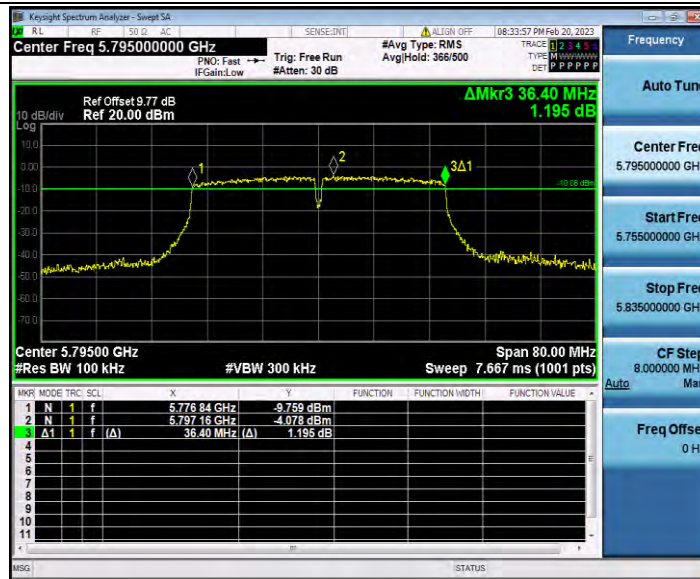
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



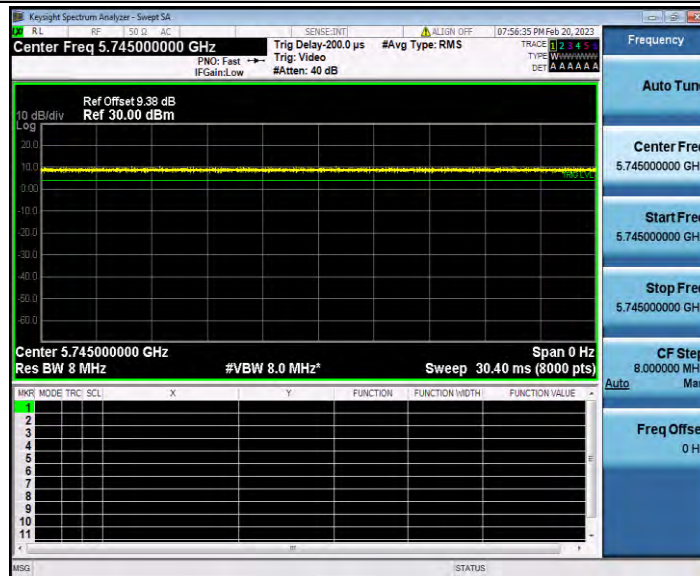
Appendix G.3: Duty Cycle

Test Result

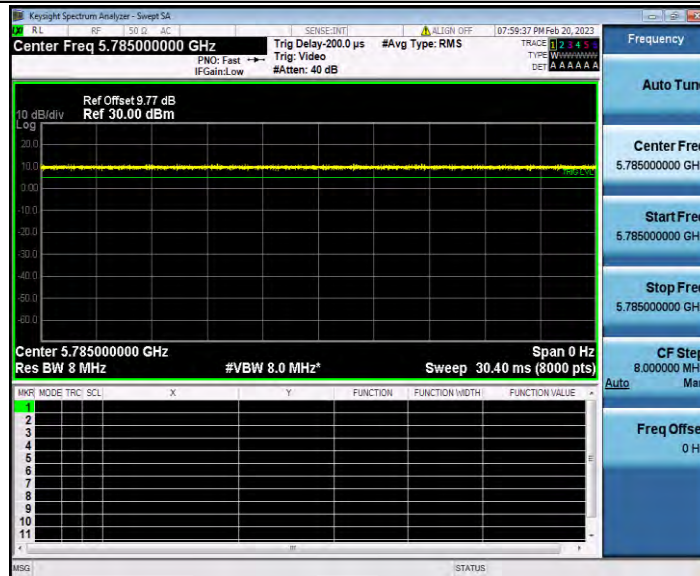
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11N20SISO	Ant1	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11N40SISO	Ant1	5755	30.00	30.00	100.00
		5795	30.00	30.00	100.00
11AC20SISO	Ant1	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11AC40SISO	Ant1	5755	30.00	30.00	100.00
		5795	30.00	30.00	100.00
11AC80SISO	Ant1	5775	30.00	30.00	100.00

Test Graphs

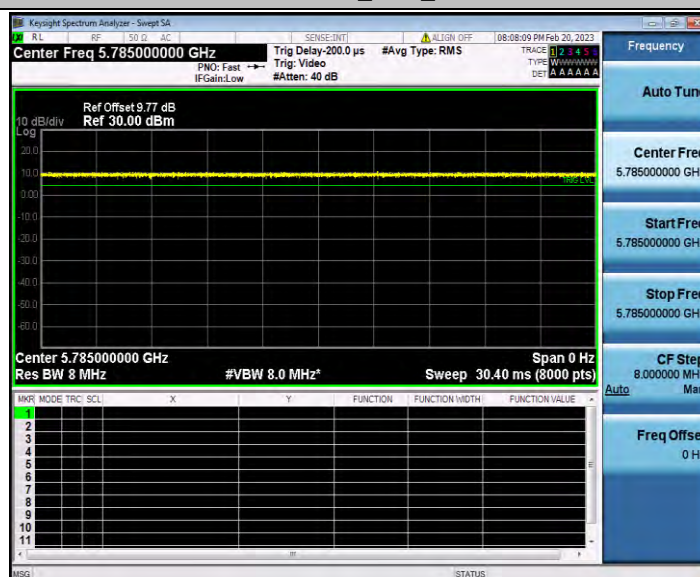
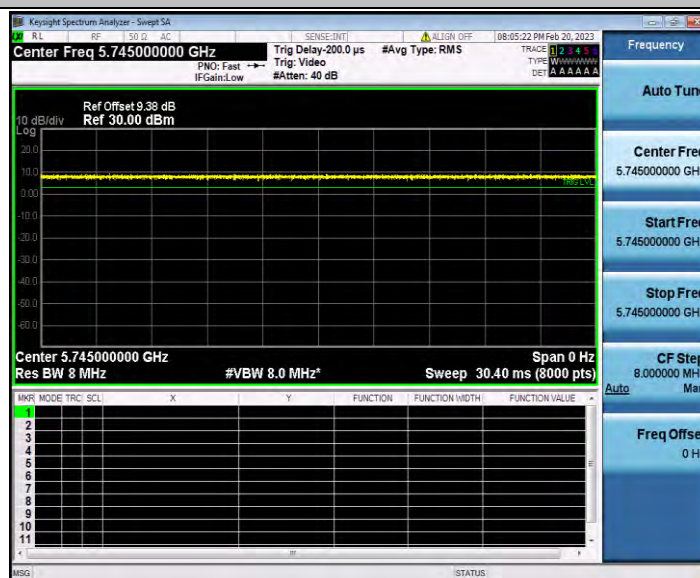
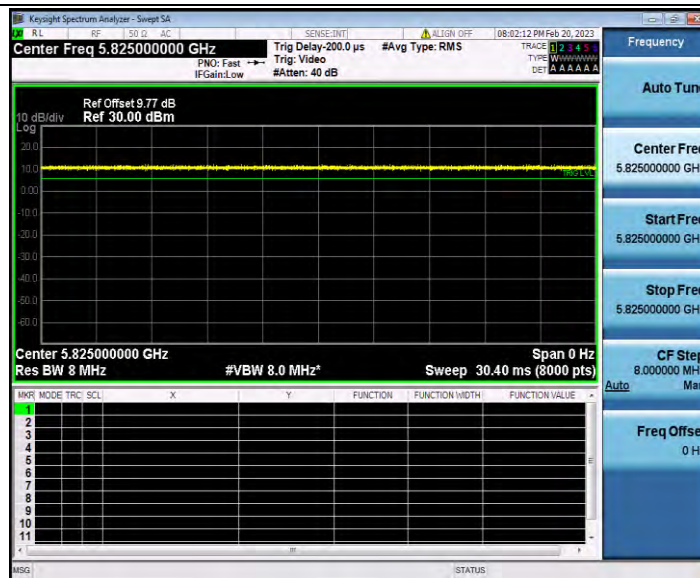
11A_Ant1_5745



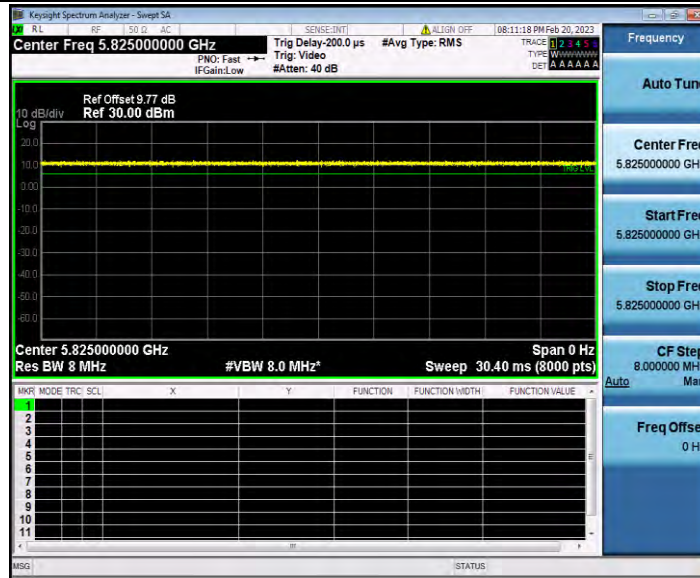
11A_Ant1_5785



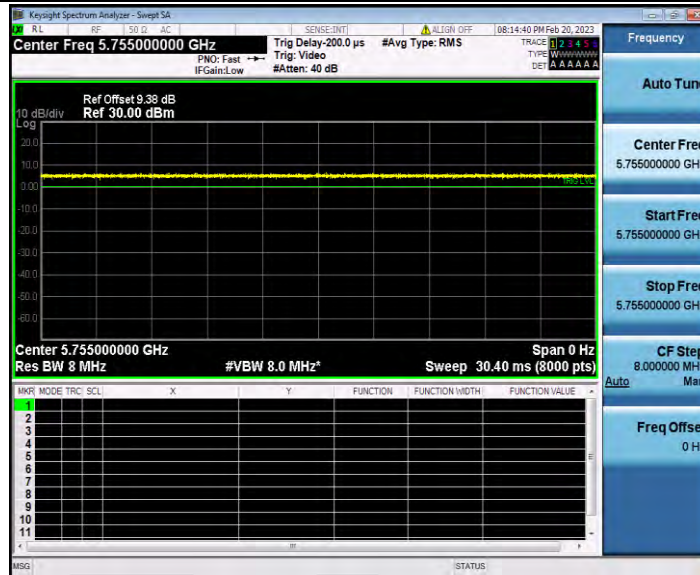
11A_Ant1_5825



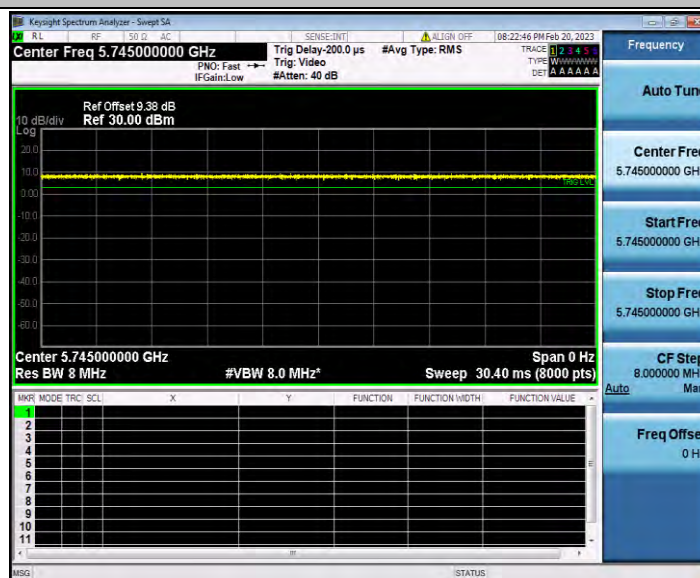
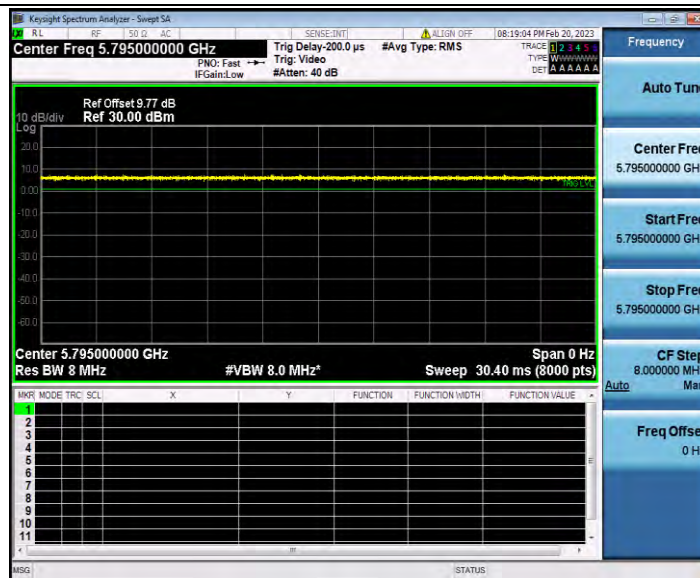
11N20SISO_Ant1_5825



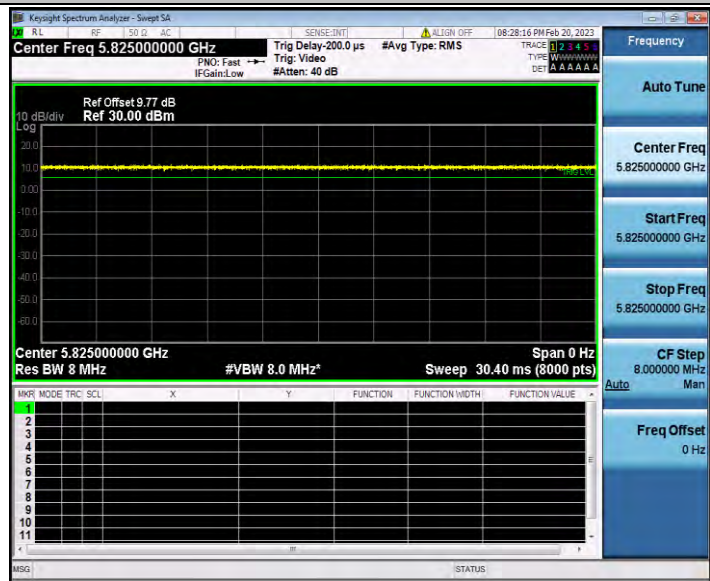
11N40SISO_Ant1_5755



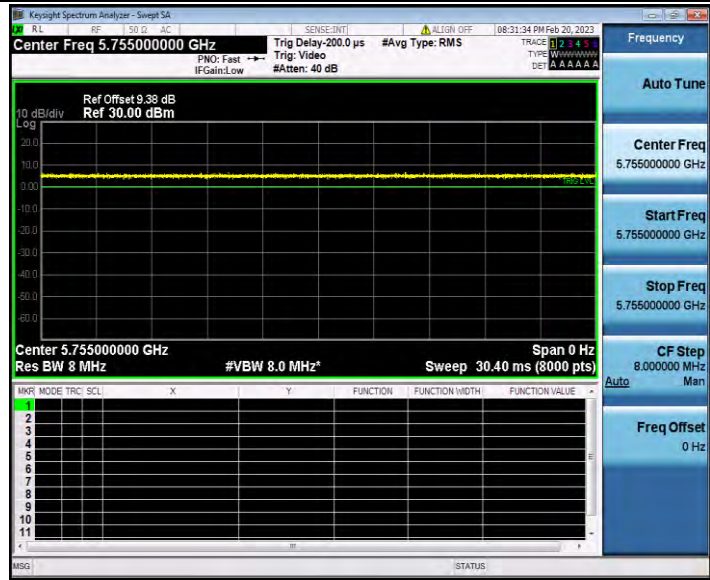
11N40SISO_Ant1_5795



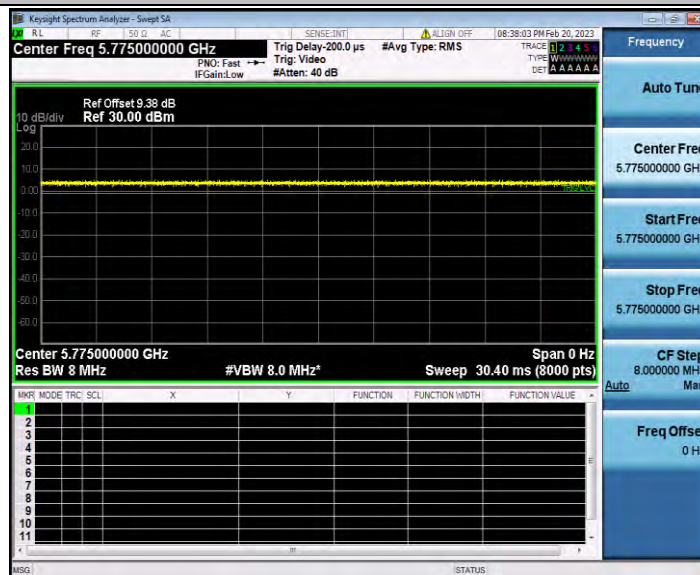
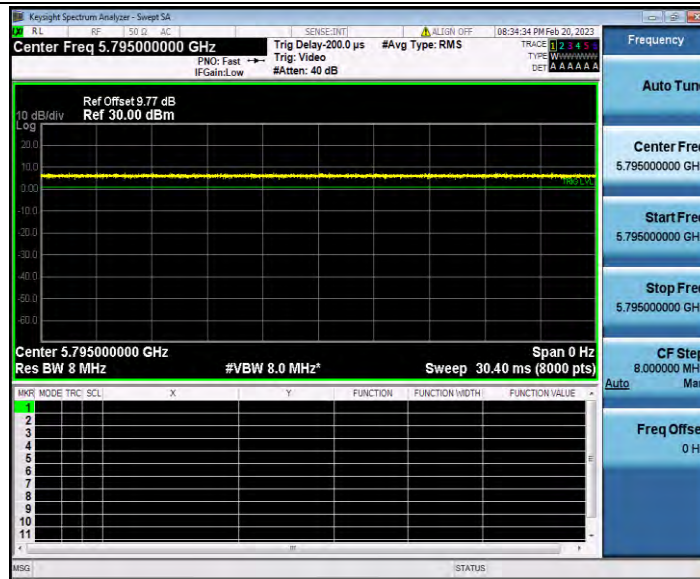
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



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	11.87	100.00	0.00	11.87	≤30.00	PASS
		5785	12.90	100.00	0.00	12.90	≤30.00	PASS
		5825	13.90	100.00	0.00	13.90	≤30.00	PASS
11N20SISO	Ant1	5745	11.37	100.00	0.00	11.37	≤30.00	PASS
		5785	12.82	100.00	0.00	12.82	≤30.00	PASS
		5825	14.28	100.00	0.00	14.28	≤30.00	PASS
11N40SISO	Ant1	5755	11.32	100.00	0.00	11.32	≤30.00	PASS
		5795	12.33	100.00	0.00	12.33	≤30.00	PASS
11AC20SISO	Ant1	5745	11.48	100.00	0.00	11.48	≤30.00	PASS
		5785	12.62	100.00	0.00	12.62	≤30.00	PASS
		5825	13.94	100.00	0.00	13.94	≤30.00	PASS
11AC40SISO	Ant1	5755	11.31	100.00	0.00	11.31	≤30.00	PASS
		5795	12.35	100.00	0.00	12.35	≤30.00	PASS
11AC80SISO	Ant1	5775	13.34	100.00	0.00	13.34	≤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	-2.85	≤30.00	PASS
		5785	-1.84	≤30.00	PASS
		5825	-0.7	≤30.00	PASS
11N20SISO	Ant1	5745	-3.51	≤30.00	PASS
		5785	-2.13	≤30.00	PASS
		5825	-0.56	≤30.00	PASS
11N40SISO	Ant1	5755	-5.97	≤30.00	PASS
		5795	-4.98	≤30.00	PASS
11AC20SISO	Ant1	5745	-3.38	≤30.00	PASS
		5785	-2.16	≤30.00	PASS
		5825	-0.91	≤30.00	PASS
11AC40SISO	Ant1	5755	-5.99	≤30.00	PASS
		5795	-5.04	≤30.00	PASS
11AC80SISO	Ant1	5775	-6.97	≤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



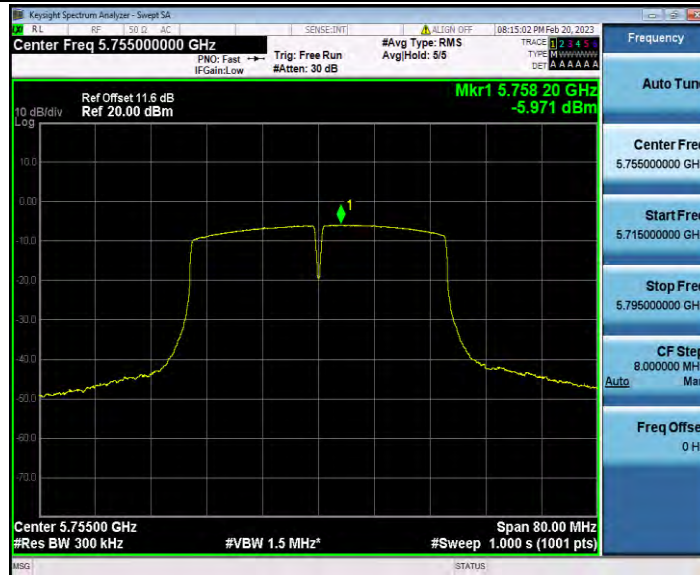
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



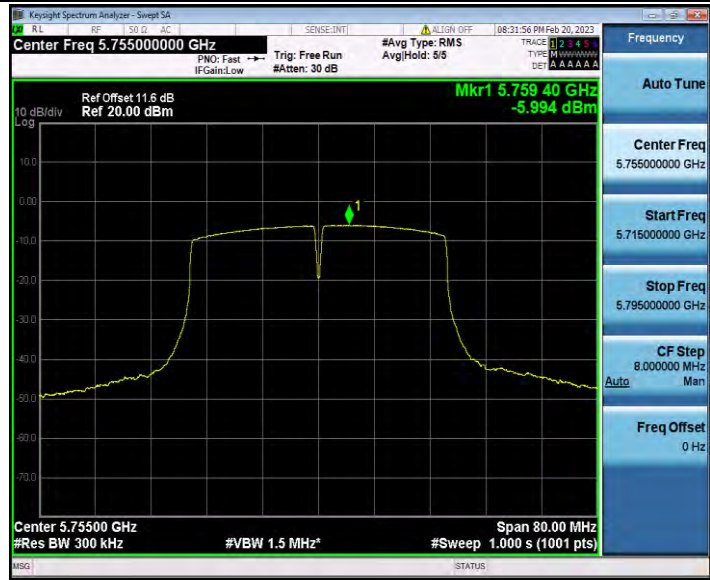
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



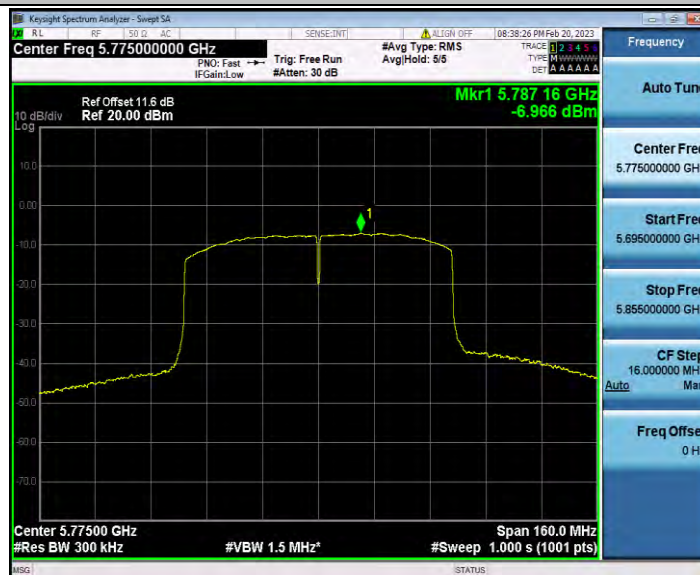
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix G.6: Band edge measurements

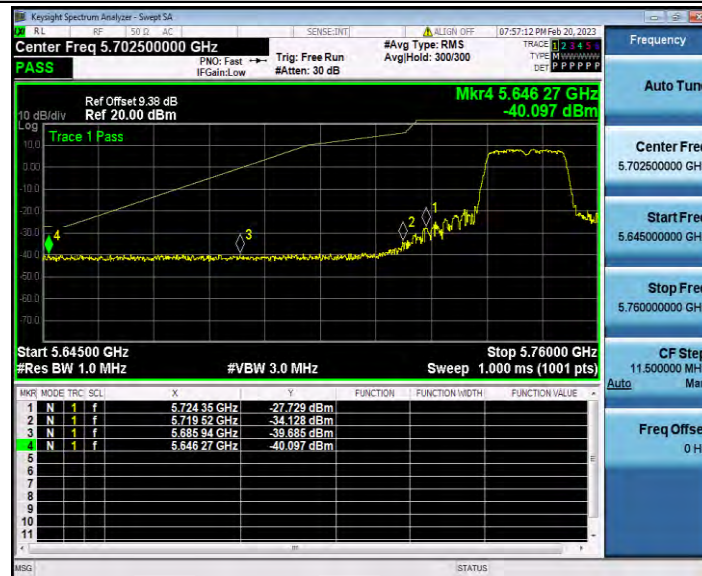
Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-39.69	≤-0.40	PASS
				5700~5720	-34.13	≤15.47	PASS
				5720~5725	-27.73	≤25.52	PASS
				5760~5650	-40.1	≤-27	PASS
		High	5825	5850~5855	-33.81	≤19.18	PASS
				5855~5875	-38.23	≤12.03	PASS
				5875~5925	-38.13	≤3.61	PASS
				5925~5935	-38.29	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-39.37	≤7.77	PASS
				5700~5720	-34.77	≤15.24	PASS
				5720~5725	-31.38	≤26.83	PASS
				5760~5650	-40.32	≤-27	PASS
		High	5825	5850~5855	-32.16	≤17.95	PASS
				5855~5875	-33.74	≤10.21	PASS
				5875~5925	-36.25	≤-14.77	PASS
				5925~5935	-38.56	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-38.32	≤7.56	PASS
				5700~5720	-33	≤14.75	PASS
				5720~5725	-30.37	≤25.89	PASS
				5780~5650	-39.52	≤-27	PASS
		High	5795	5850~5855	-37.41	≤19.80	PASS
				5855~5875	-38.32	≤11.47	PASS
				5875~5925	-37.76	≤-2.14	PASS
				5925~5935	-38.55	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-38.98	≤-8.15	PASS
				5700~5720	-34.41	≤15.56	PASS
				5720~5725	-30.75	≤24.21	PASS
				5760~5650	-39.86	≤-27	PASS
		High	5825	5850~5855	-32.21	≤15.79	PASS
				5855~5875	-36.06	≤10.10	PASS
				5875~5925	-37.86	≤9.91	PASS
				5925~5935	-38.57	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-37.5	≤8.16	PASS
				5700~5720	-33.38	≤14.26	PASS
				5720~5725	-32.25	≤17.58	PASS
				5780~5650	-39.68	≤-27	PASS

		High	5795	5850~5855	-38.99	≤ 23.93	PASS
				5855~5875	-38.07	≤ 11.15	PASS
				5875~5925	-38.07	≤ 6.04	PASS
				5925~5935	-38.82	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-31.19	≤ 9.90	PASS
				5700~5720	-26.93	≤ 13.57	PASS
				5720~5725	-27.45	≤ 24.83	PASS
				5800~5650	-39.18	≤ -27	PASS
		High	5775	5850~5855	-26.58	≤ 16.22	PASS
				5855~5875	-28.35	≤ 10.13	PASS
				5875~5925	-34.73	≤ 21.34	PASS
				5925~5935	-39.16	≤ -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	1762.27	-38.85	≤-27	PASS
			5925~40000	26100.1	-32.23	≤-27	PASS
		5785	30~5650	5559.52	-40.48	≤-27	PASS
			5925~40000	24764.65	-31.63	≤-27	PASS
		5825	30~5650	2616.32	-40.26	≤-27	PASS
			5925~40000	25108.17	-32.01	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	4916.22	-41.22	≤-27	PASS
			5925~40000	26059.35	-32	≤-27	PASS
		5785	30~5650	5538.91	-39.85	≤-27	PASS
			5925~40000	25538.8	-32.2	≤-27	PASS
		5825	30~5650	5447.12	-39.55	≤-27	PASS
			5925~40000	25571.82	-32.23	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5299.5	-40.67	≤-27	PASS
			5925~40000	24296.78	-31.18	≤-27	PASS
		5795	30~5650	5118.35	-40.53	≤-27	PASS
			5925~40000	26070.59	-32.82	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5442.43	-40.38	≤-27	PASS
			5925~40000	24867.21	-31.08	≤-27	PASS
		5785	30~5650	4953.68	-39.63	≤-27	PASS
			5925~40000	25087.09	-31.56	≤-27	PASS
		5825	30~5650	3258.88	-40.32	≤-27	PASS
			5925~40000	26948.02	-31.61	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	4425.59	-40.86	≤-27	PASS
			5925~40000	26476.64	-32.2	≤-27	PASS
		5795	30~5650	5557.46	-39.94	≤-27	PASS
			5925~40000	26926.94	-31.91	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	4948.25	-40.65	≤-27	PASS
			5925~40000	26866.53	-31.63	≤-27	PASS

Test Graphs

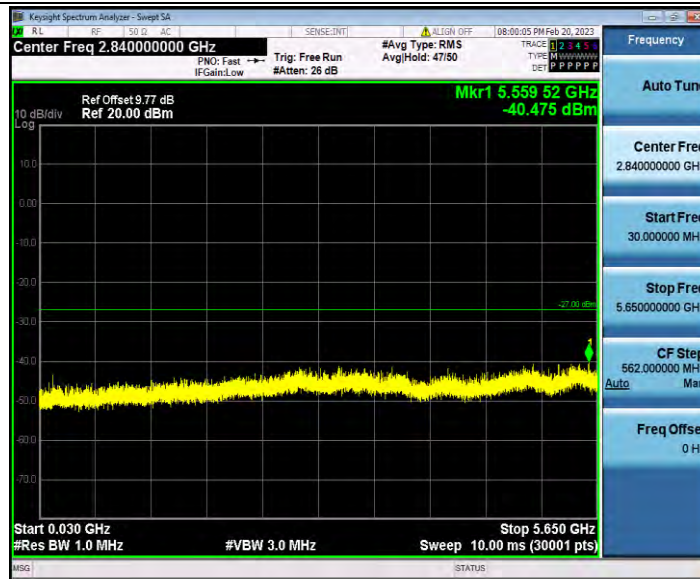
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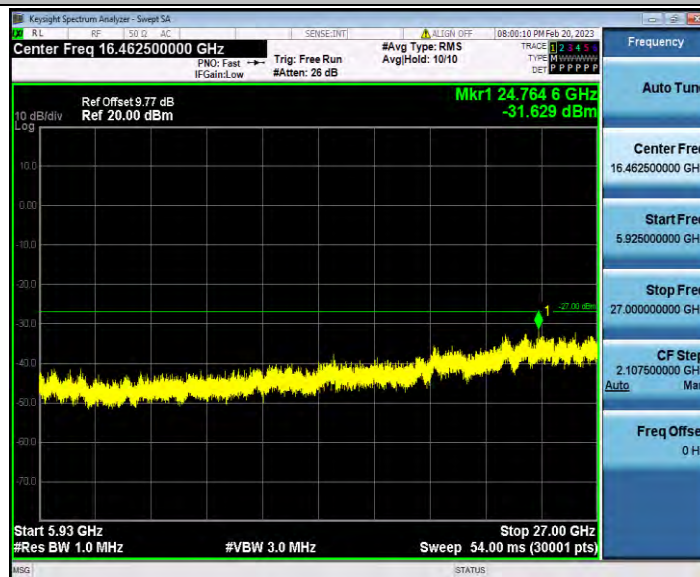
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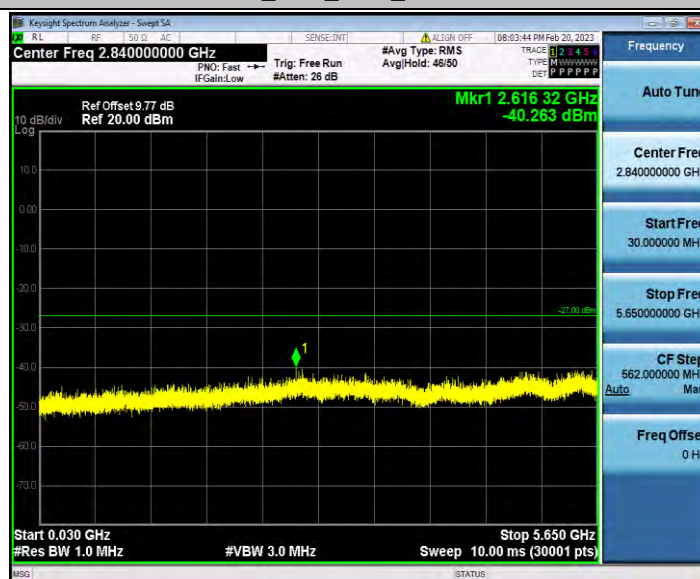
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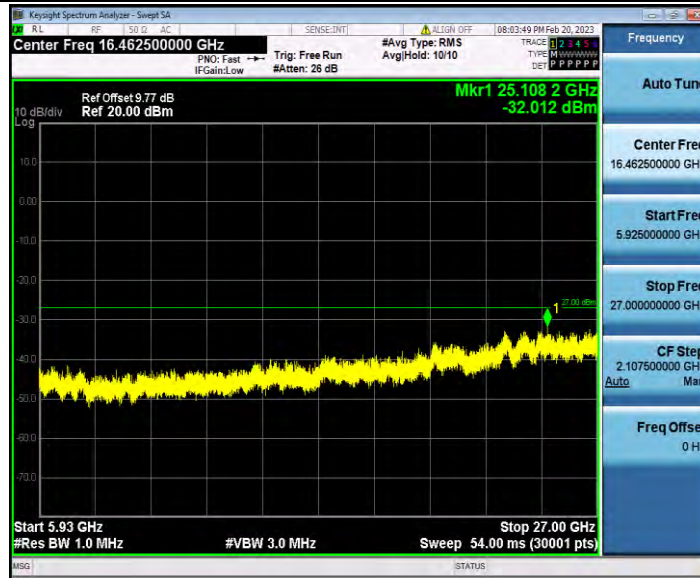
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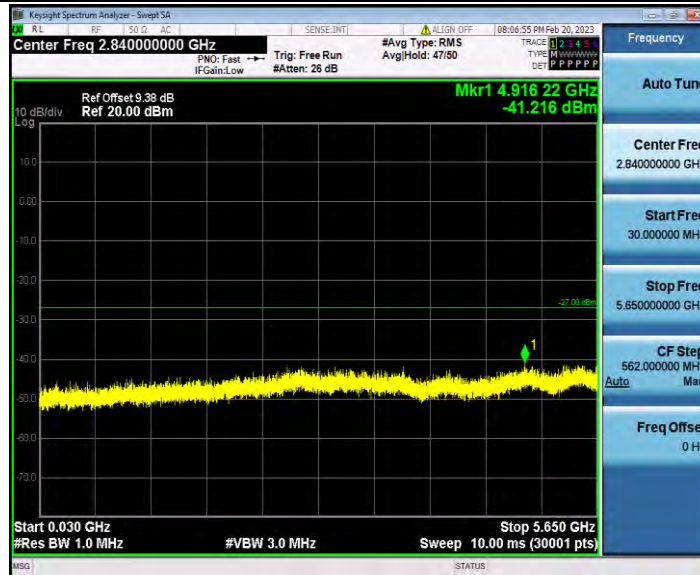
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11N20SISO_Ant1_5745_30~5650



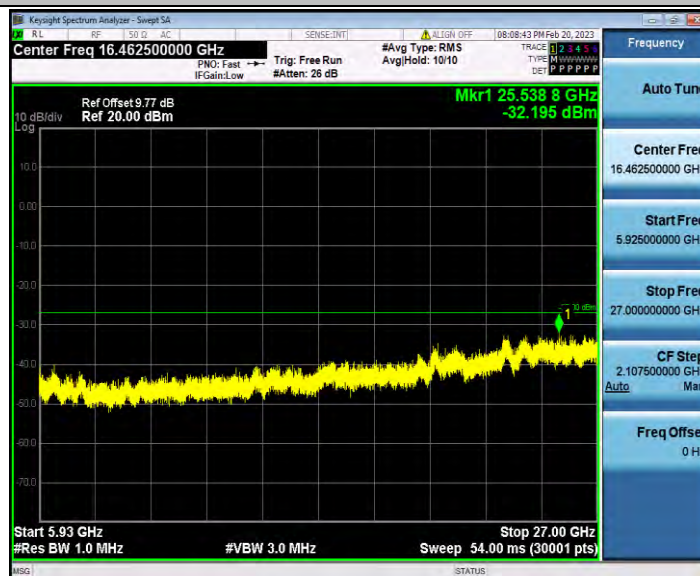
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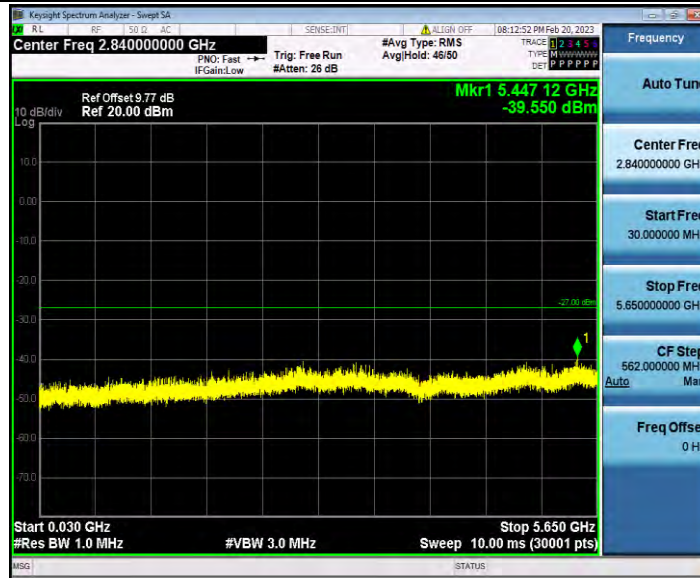
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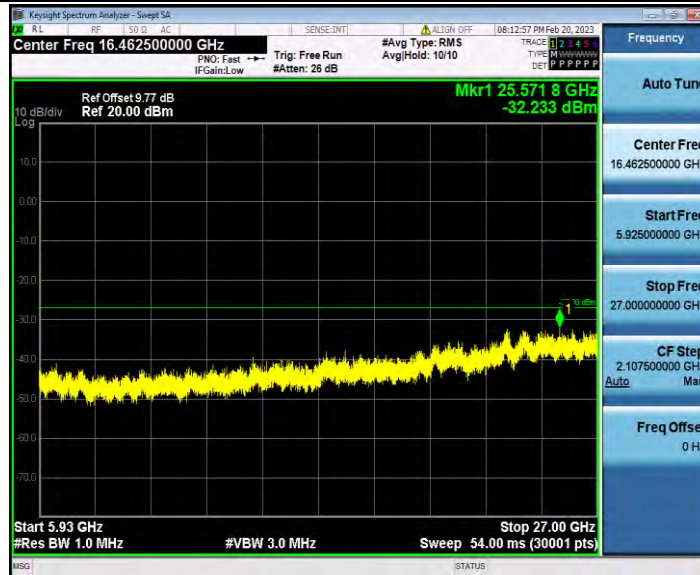
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11N20SISO_Ant1_5825_30~5650



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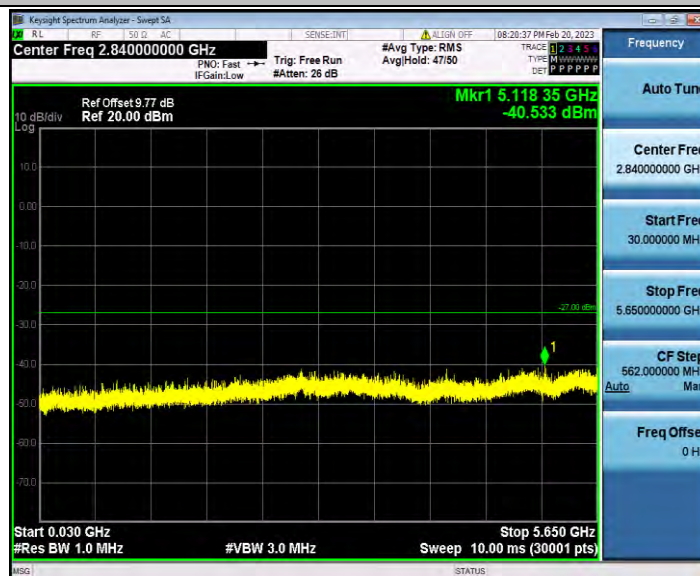
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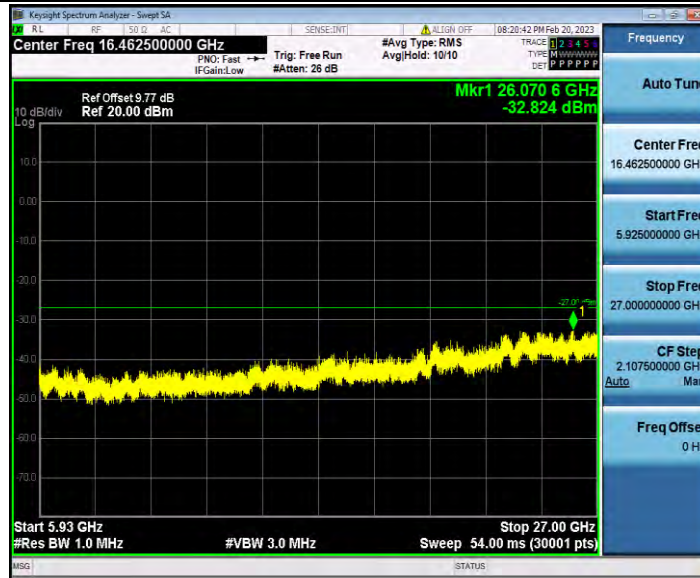
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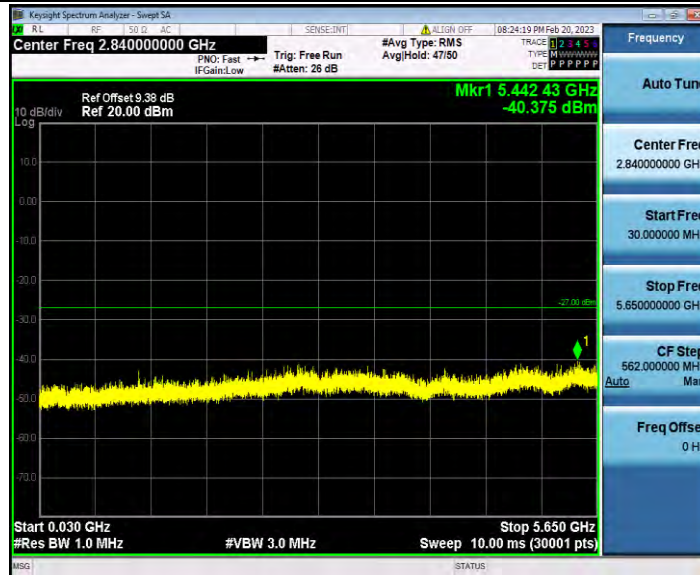
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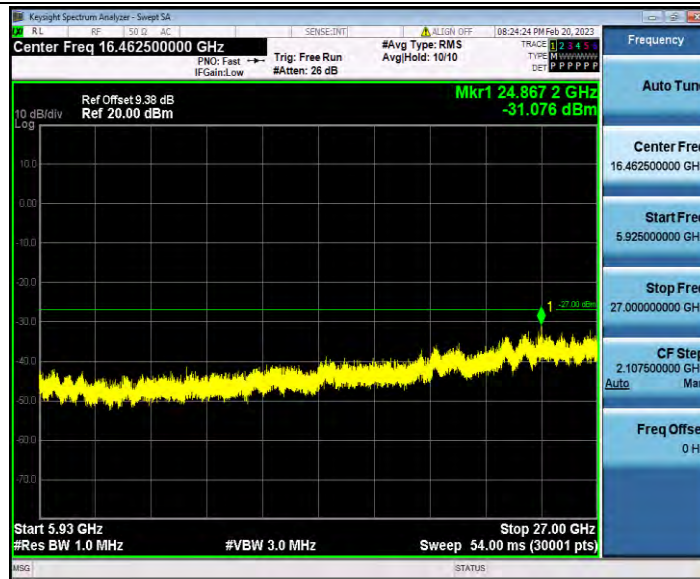
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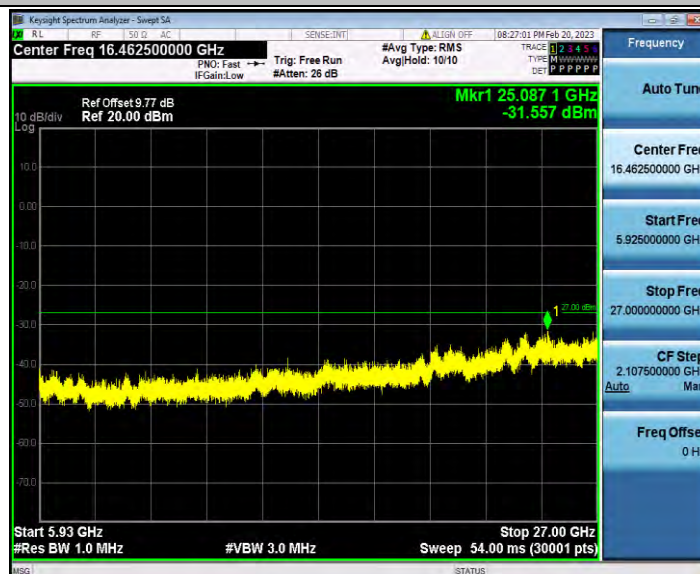
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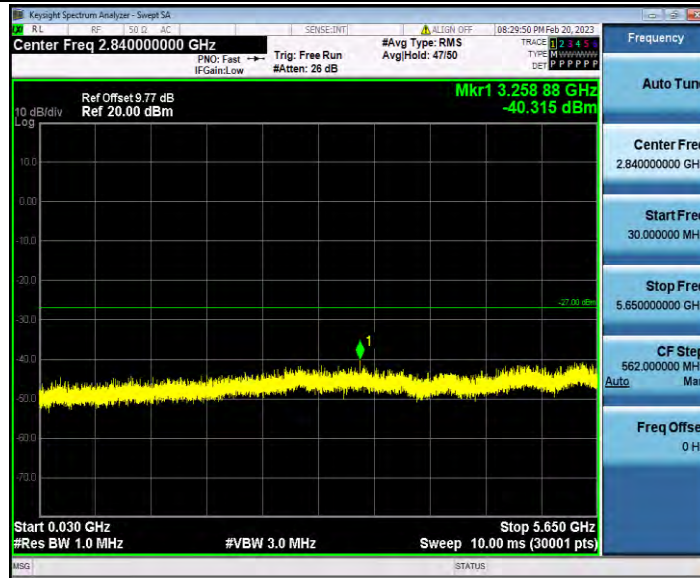
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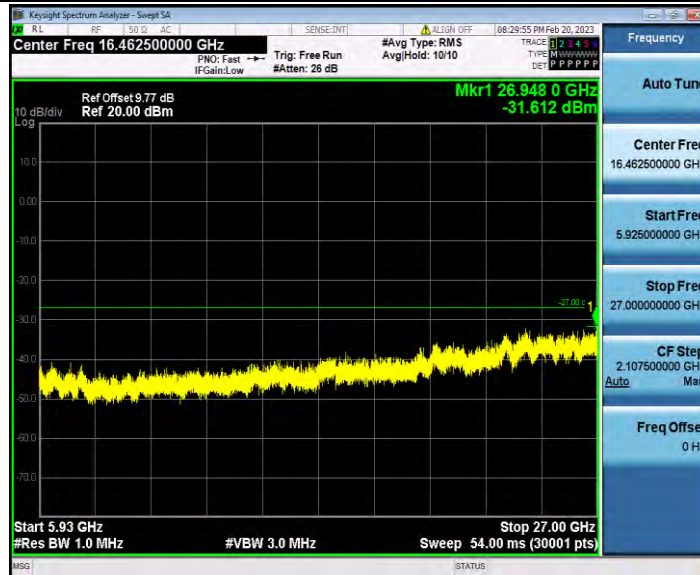
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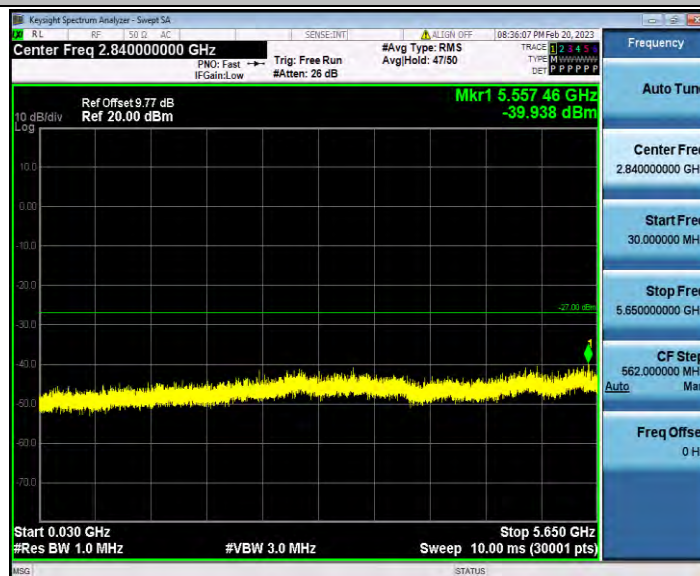
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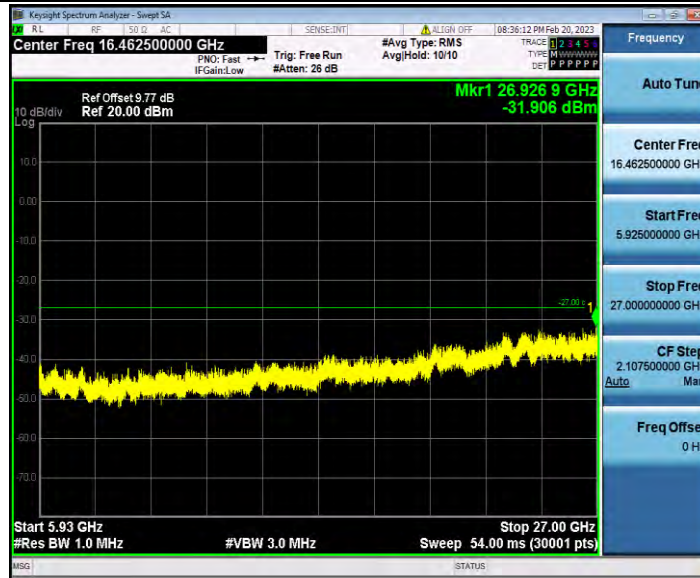
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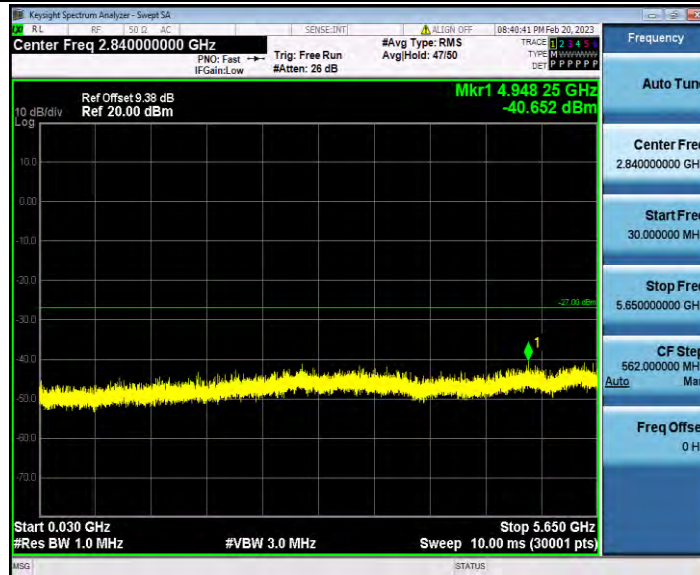
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11AC40SISO_Ant1_5795_5925~40000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~40000

