

Case No. : GTS20230111005-1-13	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2023.2.16	Test Engineer: Jenny zeng

Appendix E.1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5260	23.480	5247.600	5271.080	---	---
		5280	18.640	5270.640	5289.280	---	---
		5320	22.280	5309.200	5331.480	---	---
11N20SISO	Ant0	5260	19.640	5250.160	5269.800	---	---
		5280	19.560	5270.200	5289.760	---	---
		5320	19.600	5310.280	5329.880	---	---
11N40SISO	Ant0	5270	40.960	5249.600	5290.560	---	---
		5310	41.120	5289.600	5330.720	---	---
11AC20SISO	Ant0	5260	19.560	5250.200	5269.760	---	---
		5280	19.560	5270.240	5289.800	---	---
		5320	19.520	5310.280	5329.800	---	---
11AC40SISO	Ant0	5270	40.960	5249.440	5290.400	---	---
		5310	41.360	5289.520	5330.880	---	---
11AC80SISO	Ant0	5290	81.280	5249.200	5330.480	---	---

Test Graphs

11A_Ant0_5260



11A_Ant0_5280



11A_Ant0_5320



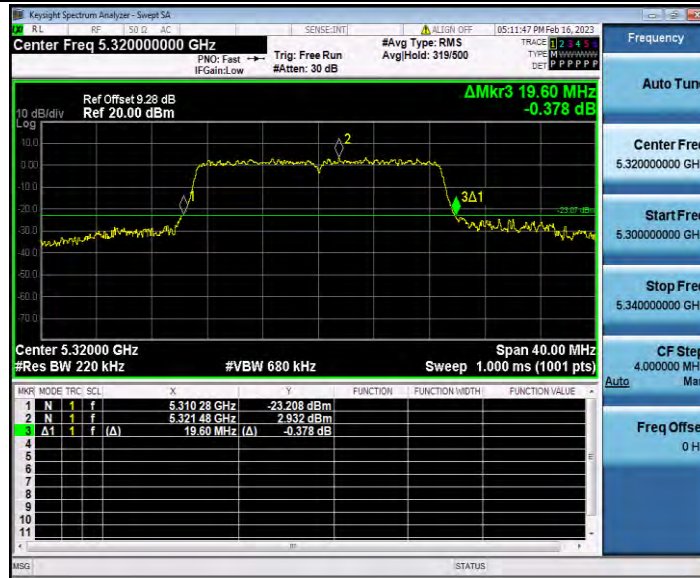
11N20SISO_Ant0_5260



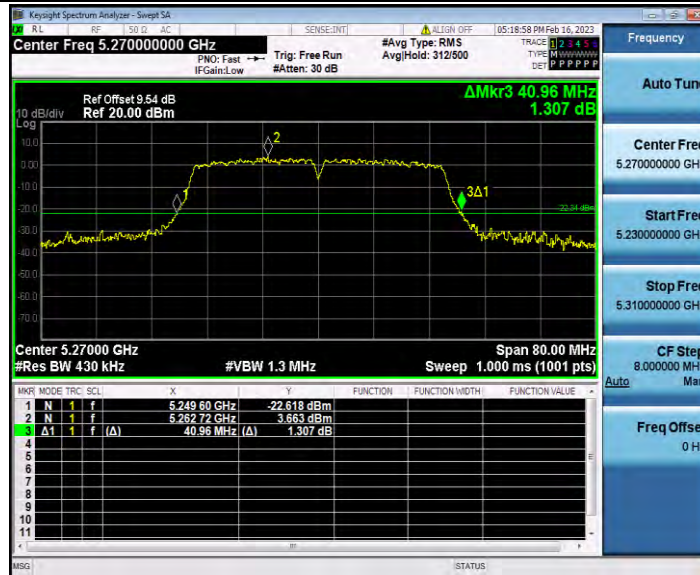
11N20SISO_Ant0_5280



11N20SISO_Ant0_5320



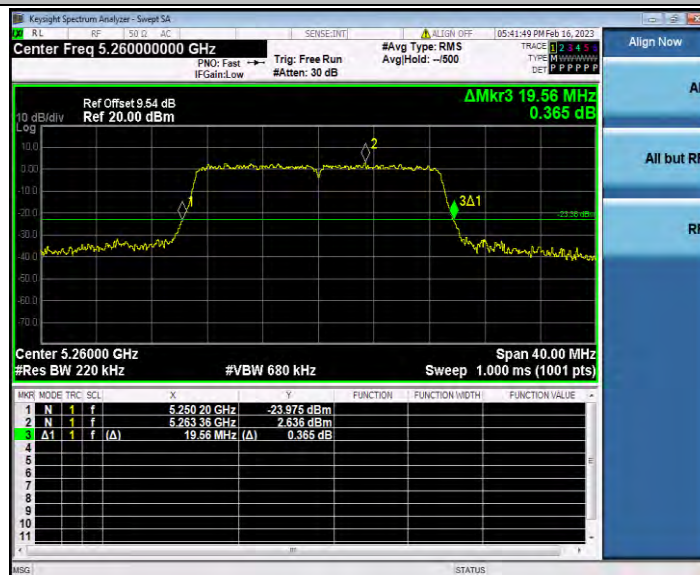
11N40SISO_Ant0_5270



11N40SISO_Ant0_5310



11AC20SISO_Ant0_5260



11AC20SISO_Ant0_5280



11AC20SISO_Ant0_5320



11AC40SISO_Ant0_5270



11AC40SISO_Ant0_5310



11AC80SISO_Ant0_5290



Appendix E.2: Occupied channel bandwidth

Test Result

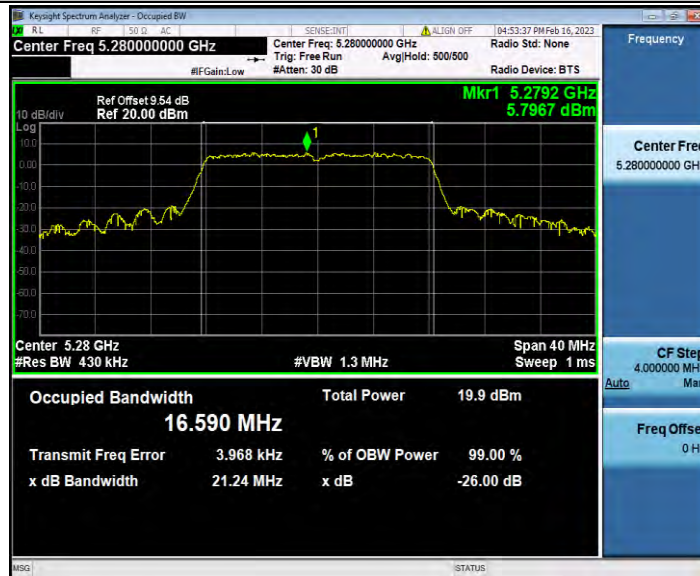
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5260	16.612	5251.651	5268.263	---	---
		5280	16.590	5271.709	5288.299	---	---
		5320	16.660	5311.712	5328.372	---	---
11N20SISO	Ant0	5260	17.635	5251.188	5268.823	---	---
		5280	17.640	5271.210	5288.850	---	---
		5320	17.681	5311.219	5328.900	---	---
11N40SISO	Ant0	5270	36.422	5251.821	5288.243	---	---
		5310	36.470	5291.934	5328.404	---	---
11AC20SISO	Ant0	5260	17.627	5251.213	5268.840	---	---
		5280	17.640	5271.211	5288.851	---	---
		5320	17.649	5311.226	5328.875	---	---
11AC40SISO	Ant0	5270	36.352	5251.818	5288.170	---	---
		5310	36.348	5291.966	5328.314	---	---
11AC80SISO	Ant0	5290	74.878	5252.644	5327.522	---	---

Test Graphs

11A_Ant0_5260



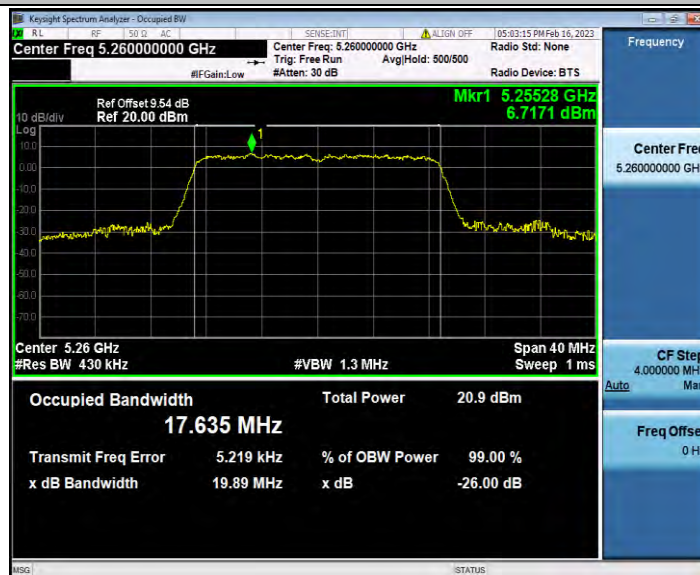
11A_Ant0_5280



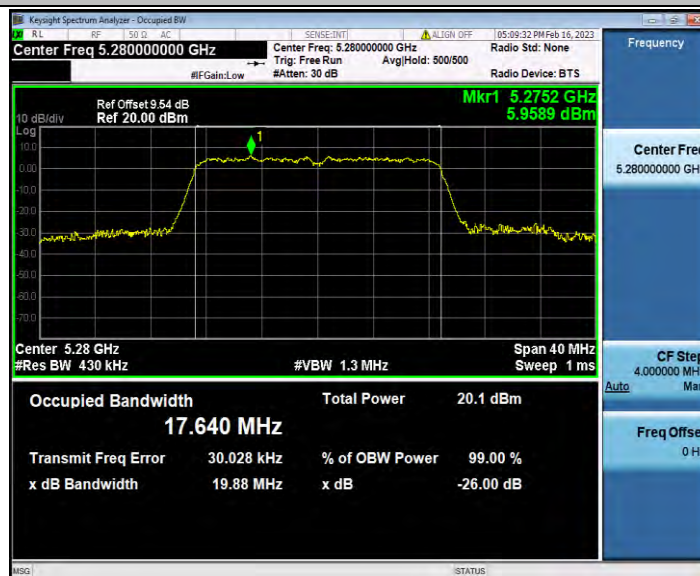
11A_Ant0_5320



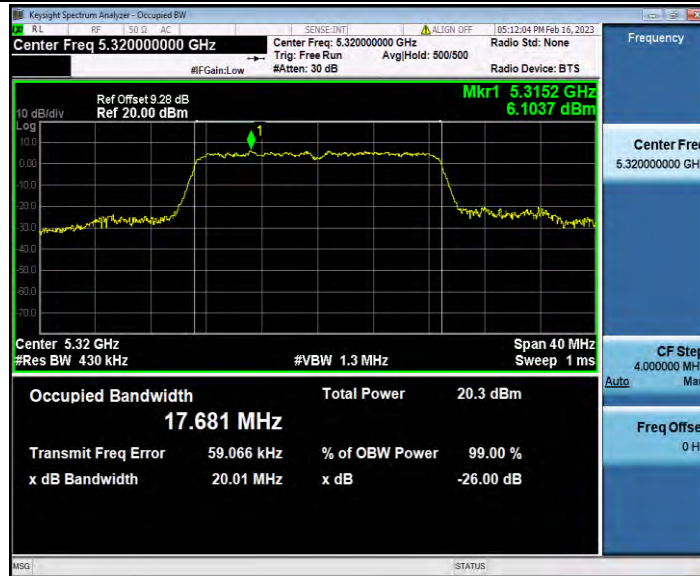
11N20SISO_Ant0_5260



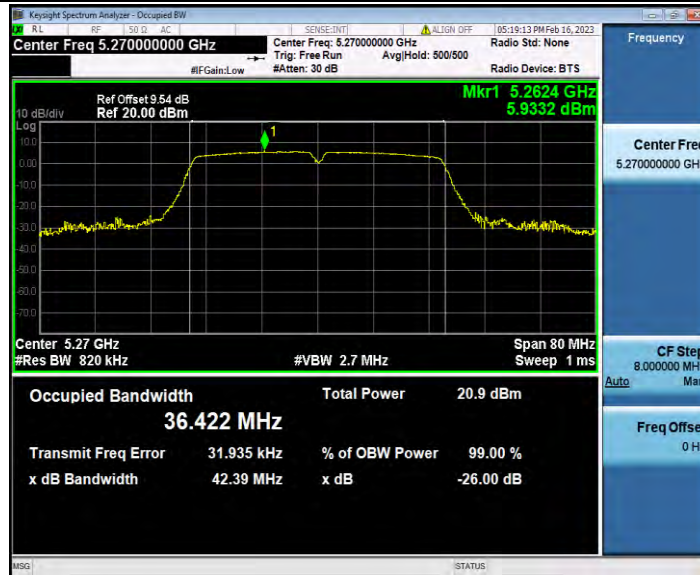
11N20SISO_Ant0_5280



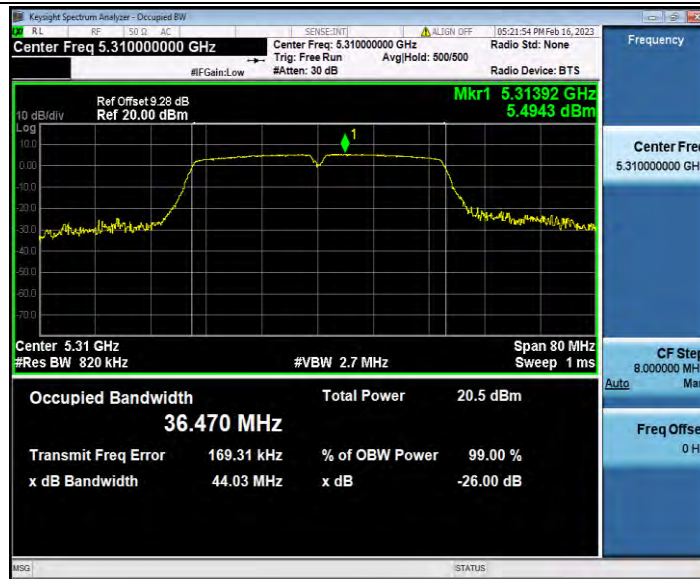
11N20SISO_Ant0_5320



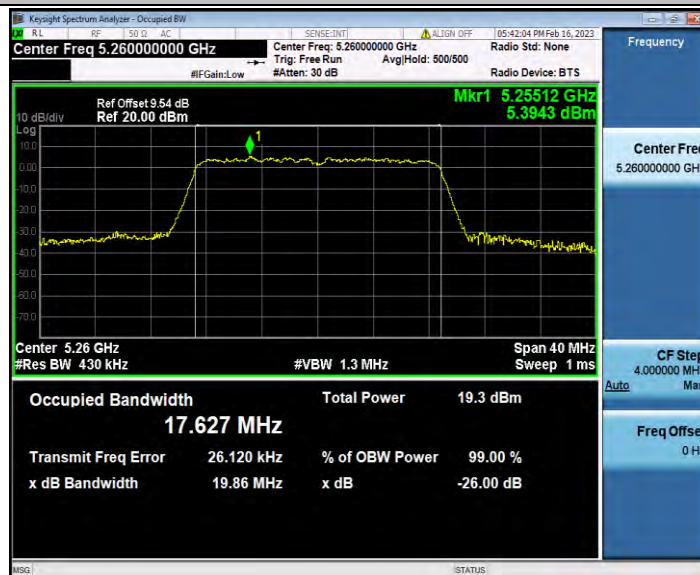
11N40SISO_Ant0_5270



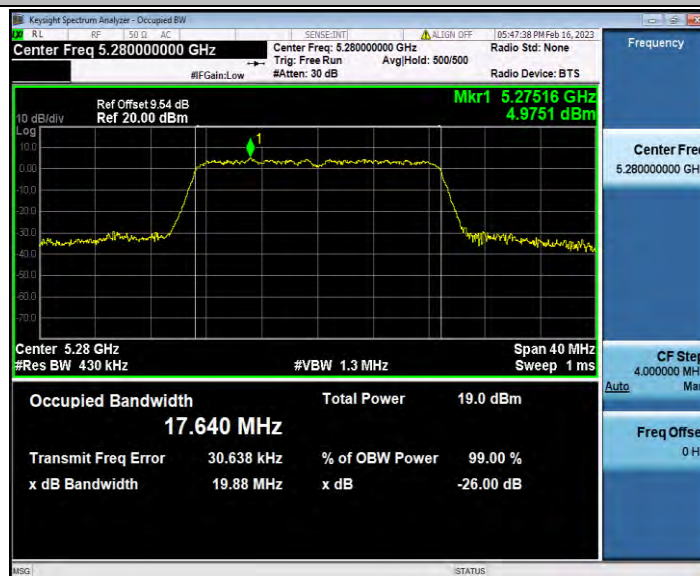
11N40SISO_Ant0_5310



11AC20SISO_Ant0_5260



11AC20SISO_Ant0_5280



11AC20SISO_Ant0_5320



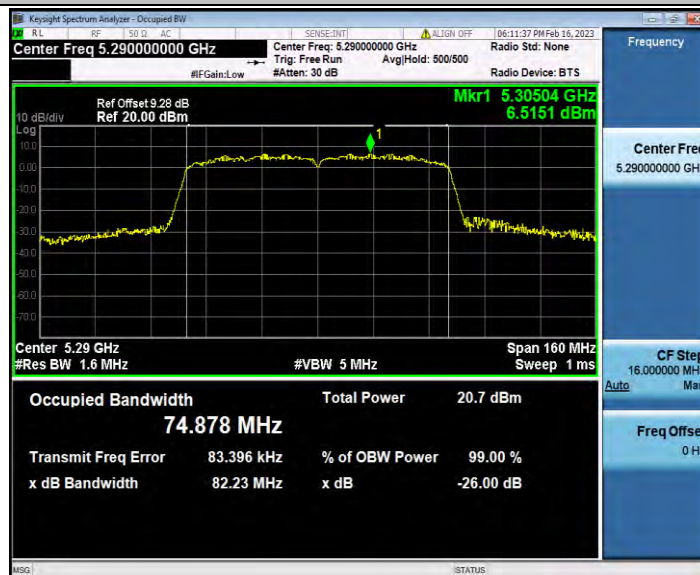
11AC40SISO_Ant0_5270



11AC40SISO_Ant0_5310



11AC80SISO_Ant0_5290



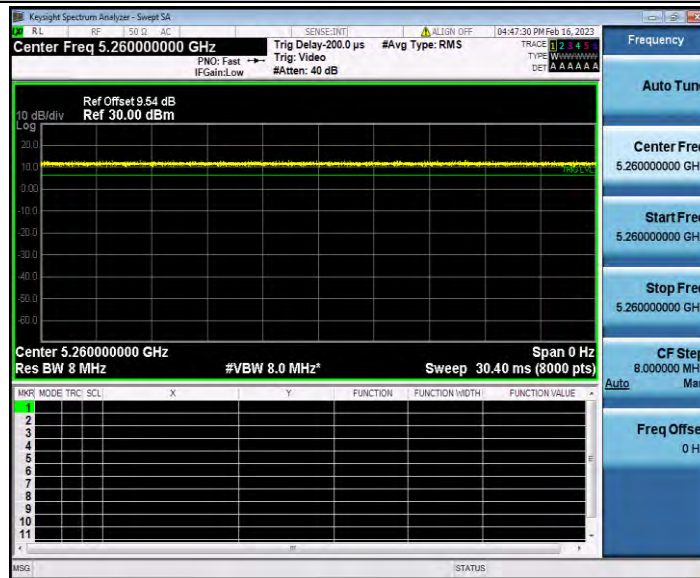
Appendix E.3: Duty Cycle

Test Result

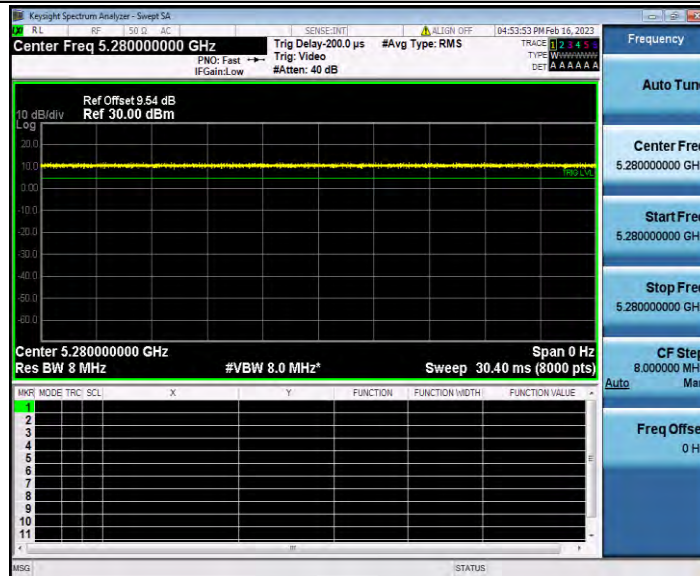
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant0	5260	30.00	30.00	100.00
		5280	30.00	30.00	100.00
		5320	30.00	30.00	100.00
11N20SISO	Ant0	5260	30.00	30.00	100.00
		5280	30.00	30.00	100.00
		5320	30.00	30.00	100.00
11N40SISO	Ant0	5270	30.00	30.00	100.00
		5310	30.00	30.00	100.00
11AC20SISO	Ant0	5260	30.00	30.00	100.00
		5280	30.00	30.00	100.00
		5320	30.00	30.00	100.00
11AC40SISO	Ant0	5270	30.00	30.00	100.00
		5310	30.00	30.00	100.00
11AC80SISO	Ant0	5290	30.00	30.00	100.00

Test Graphs

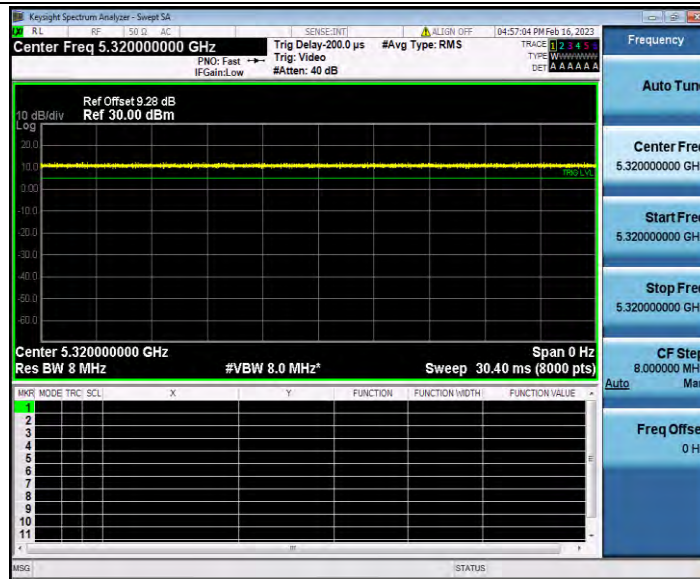
11A_Ant0_5260



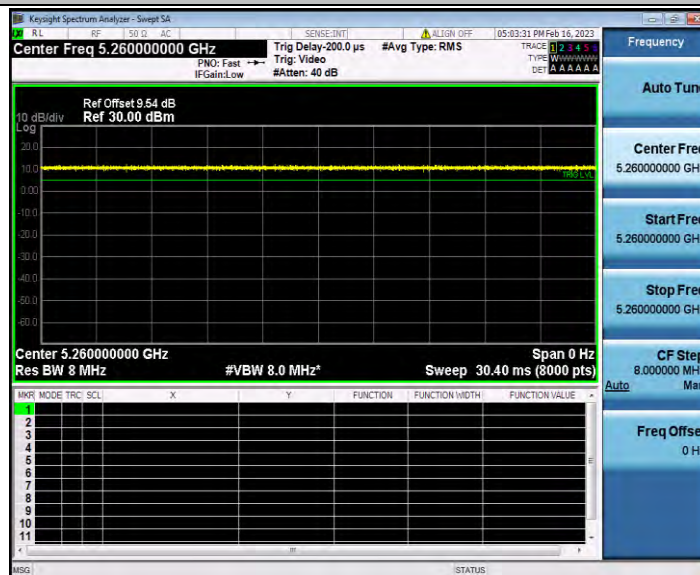
11A_Ant0_5280



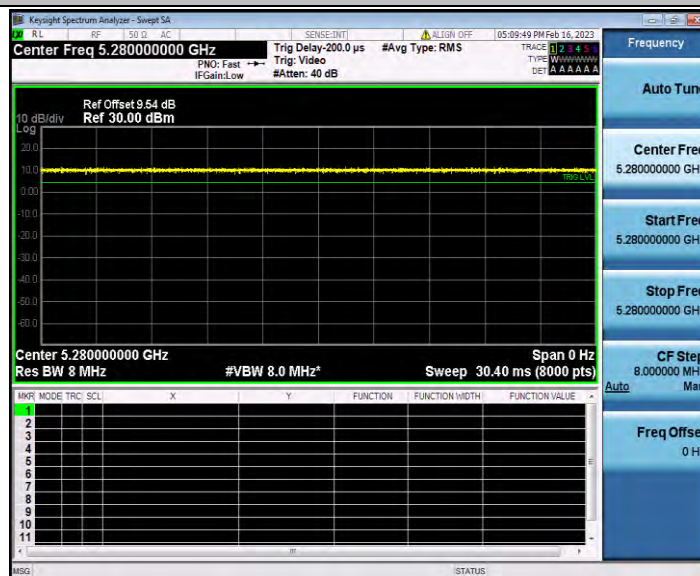
11A_Ant0_5320



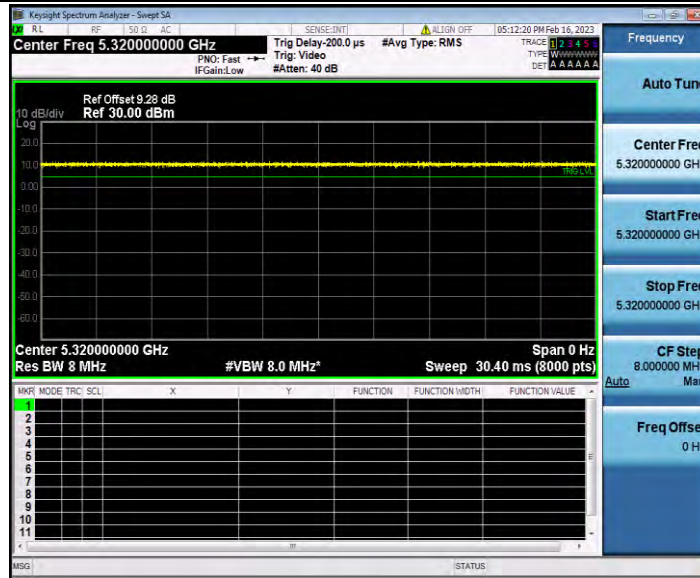
11N20SISO_Ant0_5260



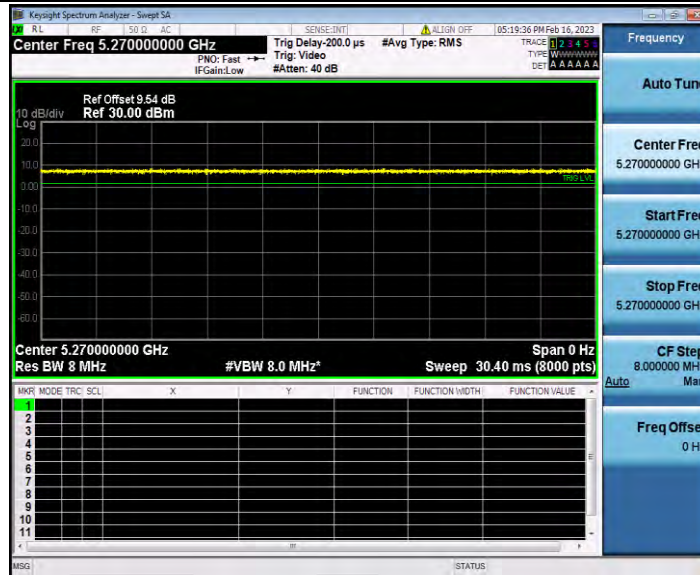
11N20SISO_Ant0_5280



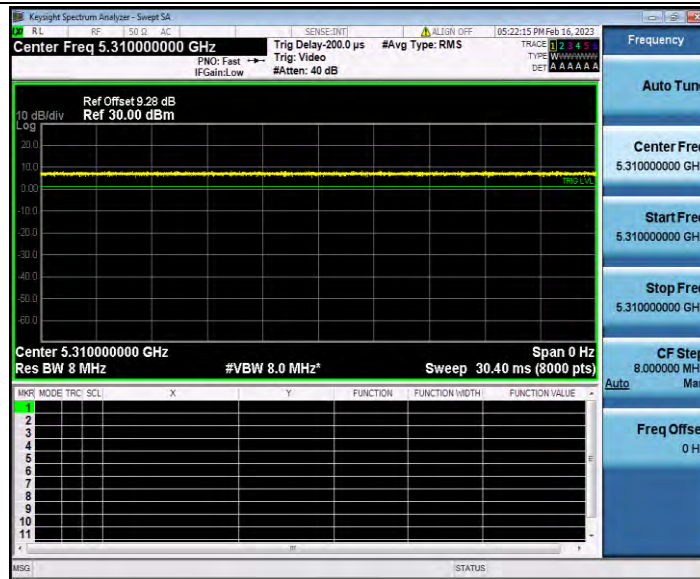
11N20SISO_Ant0_5320



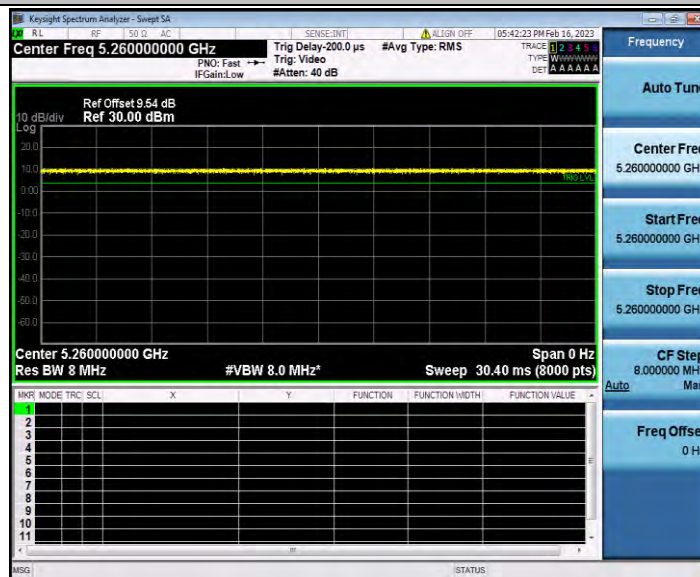
11N40SISO_Ant0_5270



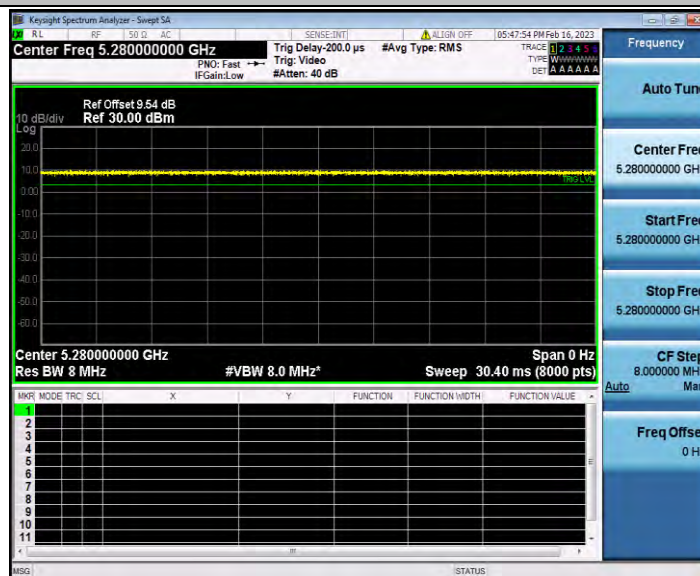
11N40SISO_Ant0_5310



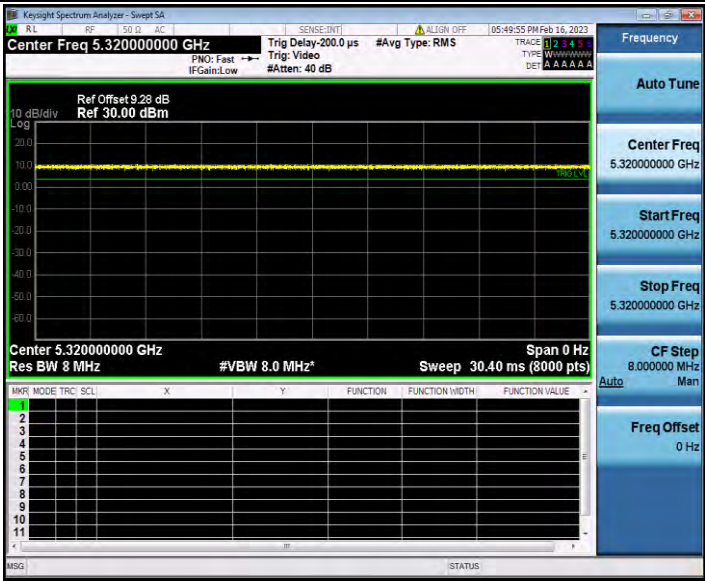
11AC20SISO_Ant0_5260



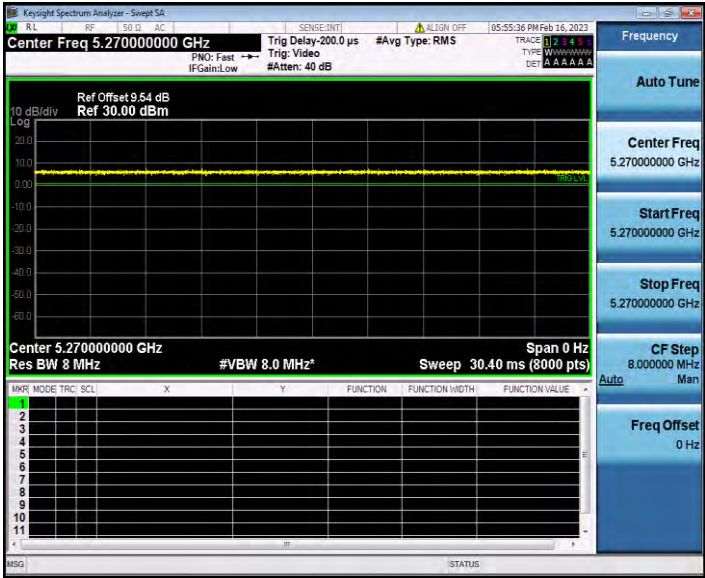
11AC20SISO_Ant0_5280



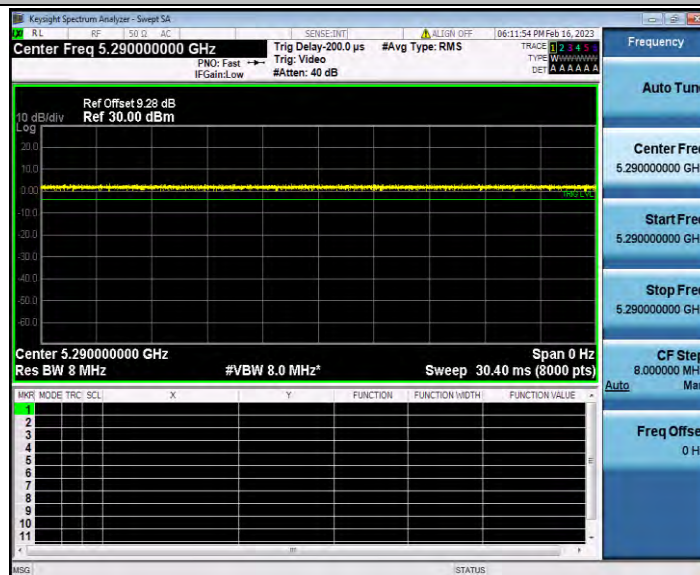
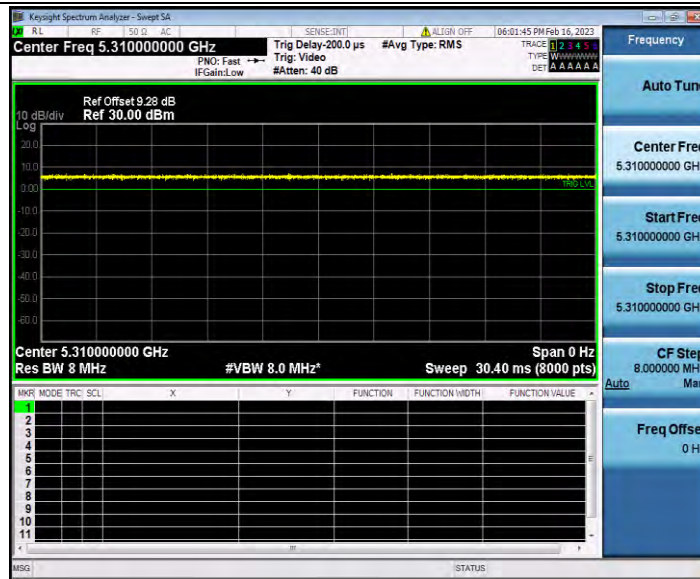
11AC20SISO_Ant0_5320



11AC40SISO_Ant0_5270



11AC40SISO_Ant0_5310



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	Ant0	5260	14.49	100.00	0.00	14.49	≤23.98	PASS
		5280	13.41	100.00	0.00	13.41	≤23.70	PASS
		5320	13.67	100.00	0.00	13.67	≤23.98	PASS
11N20SISO	Ant0	5260	13.93	100.00	0.00	13.93	≤23.93	PASS
		5280	13.32	100.00	0.00	13.32	≤23.91	PASS
		5320	13.60	100.00	0.00	13.60	≤23.92	PASS
11N40SISO	Ant0	5270	13.53	100.00	0.00	13.53	≤23.98	PASS
		5310	13.29	100.00	0.00	13.29	≤23.98	PASS
11AC20SISO	Ant0	5260	12.68	100.00	0.00	12.68	≤23.91	PASS
		5280	12.29	100.00	0.00	12.29	≤23.91	PASS
		5320	12.55	100.00	0.00	12.55	≤23.90	PASS
11AC40SISO	Ant0	5270	12.24	100.00	0.00	12.24	≤23.98	PASS
		5310	11.90	100.00	0.00	11.90	≤23.98	PASS
11AC80SISO	Ant0	5290	11.75	100.00	0.00	11.75	≤23.98	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	Ant0	5260	2.82	≤11.00	PASS
		5280	1.84	≤11.00	PASS
		5320	2.22	≤11.00	PASS
11N20SISO	Ant0	5260	2.02	≤11.00	PASS
		5280	1.41	≤11.00	PASS
		5320	1.87	≤11.00	PASS
11N40SISO	Ant0	5270	-0.92	≤11.00	PASS
		5310	-1.12	≤11.00	PASS
11AC20SISO	Ant0	5260	0.73	≤11.00	PASS
		5280	0.28	≤11.00	PASS
		5320	0.66	≤11.00	PASS
11AC40SISO	Ant0	5270	-2.29	≤11.00	PASS
		5310	-2.59	≤11.00	PASS
11AC80SISO	Ant0	5290	-6.02	≤11.00	PASS

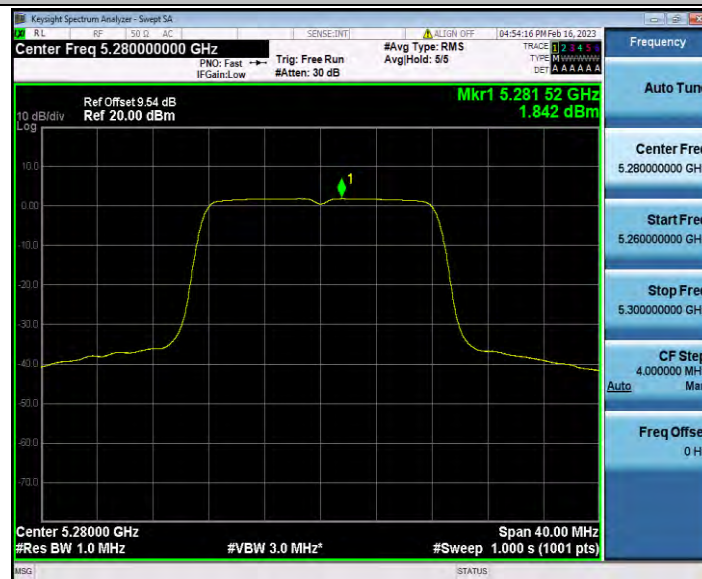
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A_Ant0_5260



11A_Ant0_5280



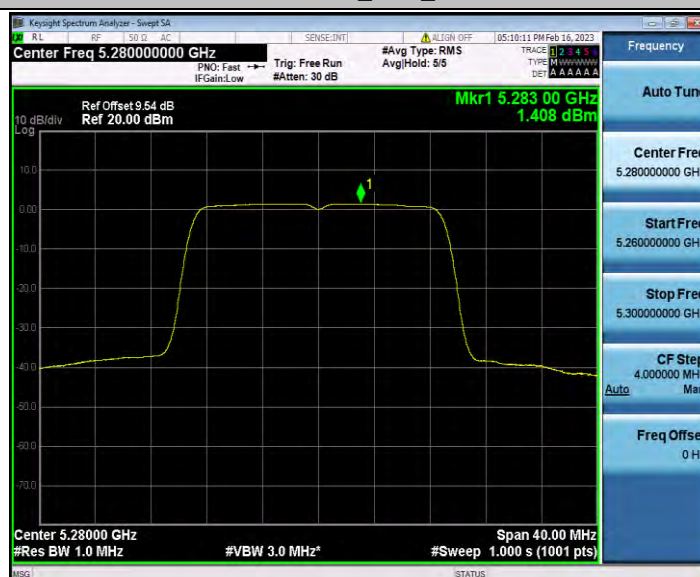
11A_Ant0_5320



11N20SISO_Ant0_5260



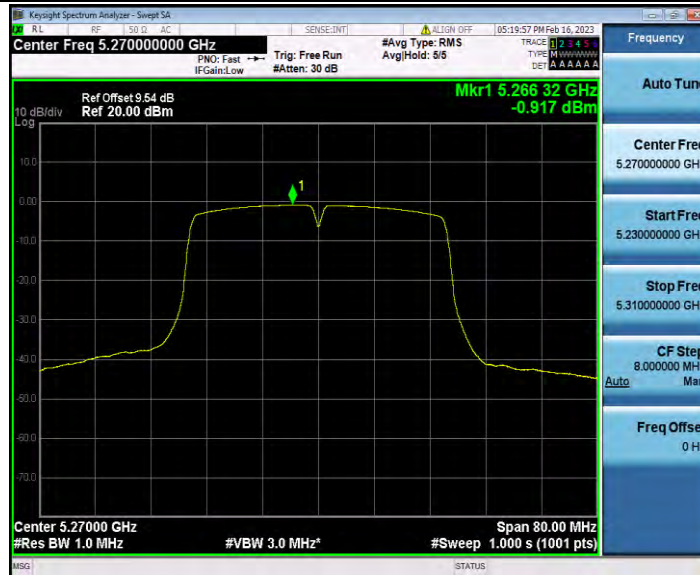
11N20SISO_Ant0_5280



11N20SISO_Ant0_5320



11N40SISO_Ant0_5270



11N40SISO_Ant0_5310



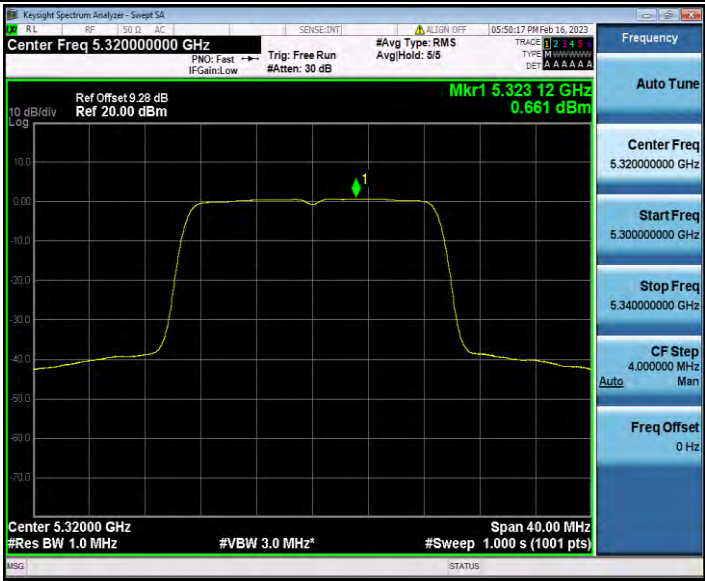
11AC20SISO_Ant0_5260



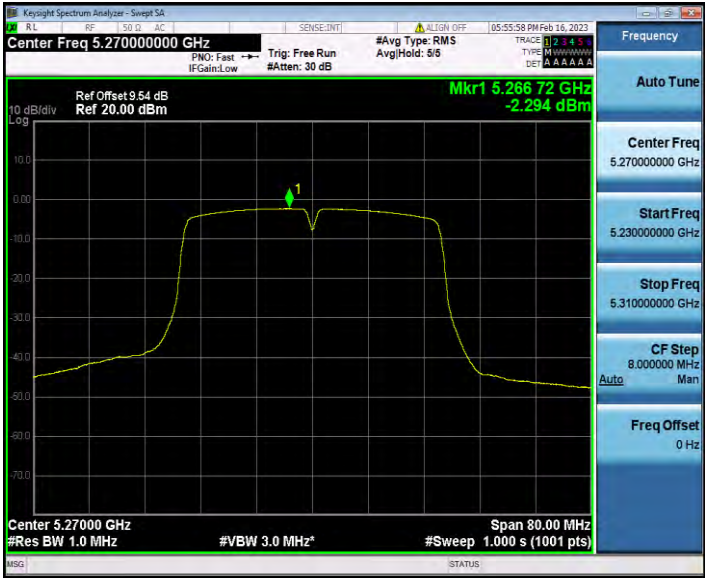
11AC20SISO_Ant0_5280



11AC20SISO_Ant0_5320



11AC40SISO_Ant0_5270



11AC40SISO_Ant0_5310



11AC80SISO_Ant0_5290



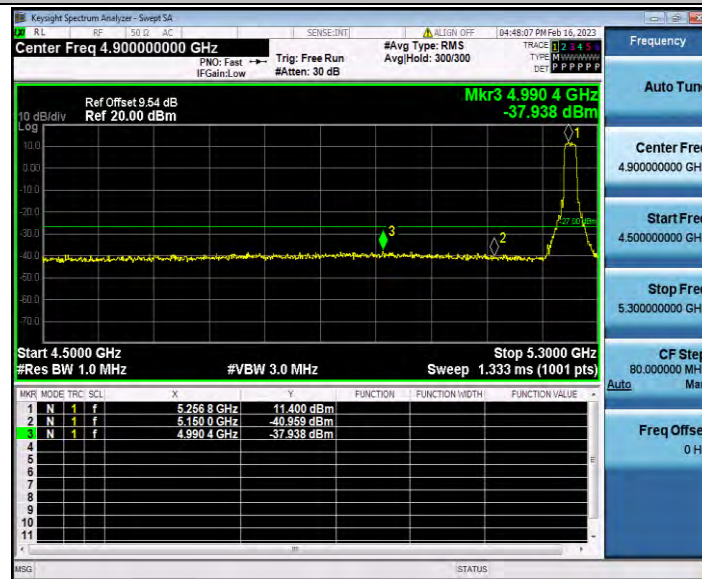
Appendix E.6: Band edge measurements

Test Result B2

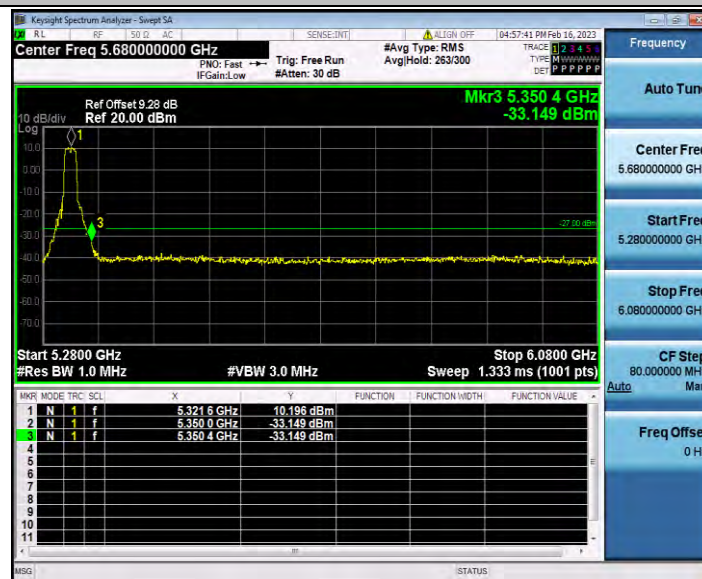
TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant0	Low	5260	-37.94	≤-27	PASS
		High	5320	-33.15	≤-27	PASS
11N20SISO	Ant0	Low	5260	-37.48	≤-27	PASS
		High	5320	-30.58	≤-27	PASS
11N40SISO	Ant0	Low	5270	-37.95	≤-27	PASS
		High	5310	-27.62	≤-27	PASS
11AC20SISO	Ant0	Low	5260	-37.72	≤-27	PASS
		High	5320	-33.08	≤-27	PASS
11AC40SISO	Ant0	Low	5270	-37.76	≤-27	PASS
		High	5310	-32.06	≤-27	PASS
11AC80SISO	Ant0	Low	5290	-37.96	≤-27	PASS
		High	5290	-37.27	≤-27	PASS

Test Graphs B2

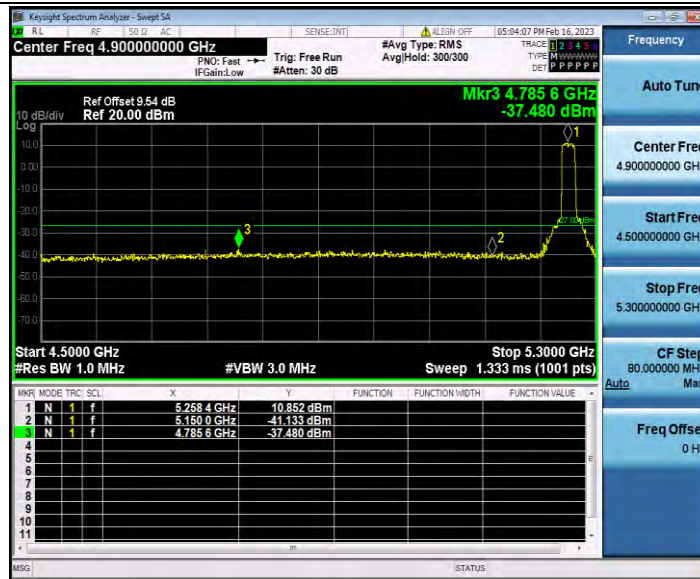
11A_Ant0_Low_5260



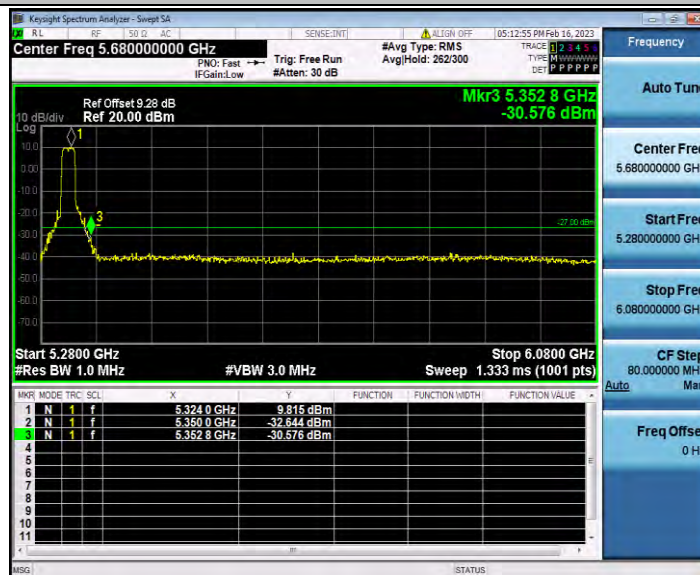
11A_Ant0_High_5320



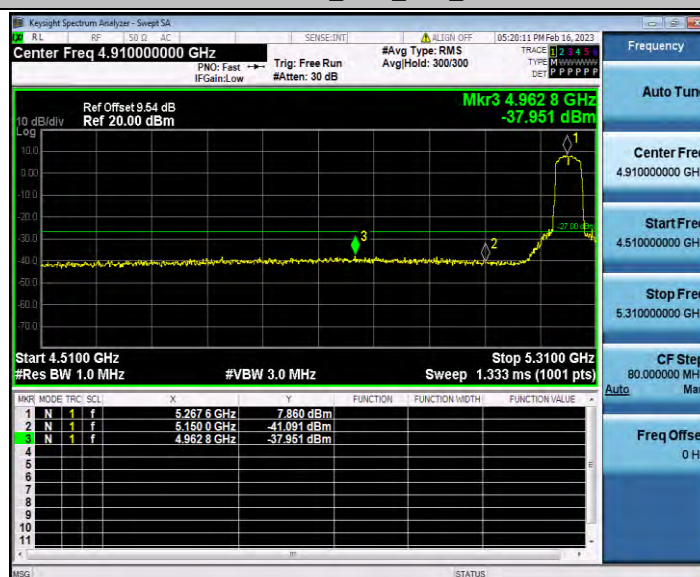
11N20SISO_Ant0_Low_5260



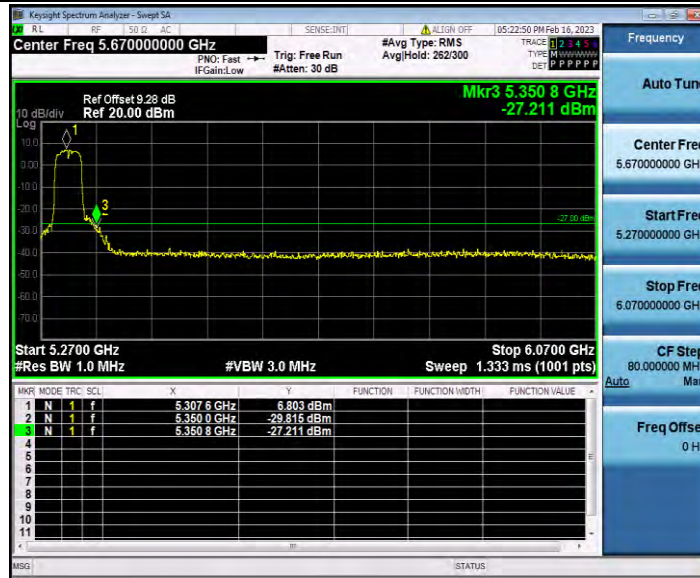
11N20SISO_Ant0_High_5320



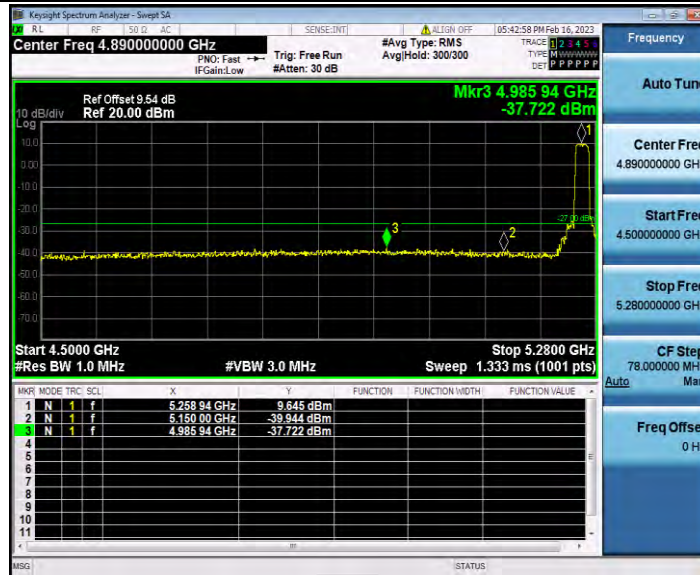
11N40SISO_Ant0_Low_5270



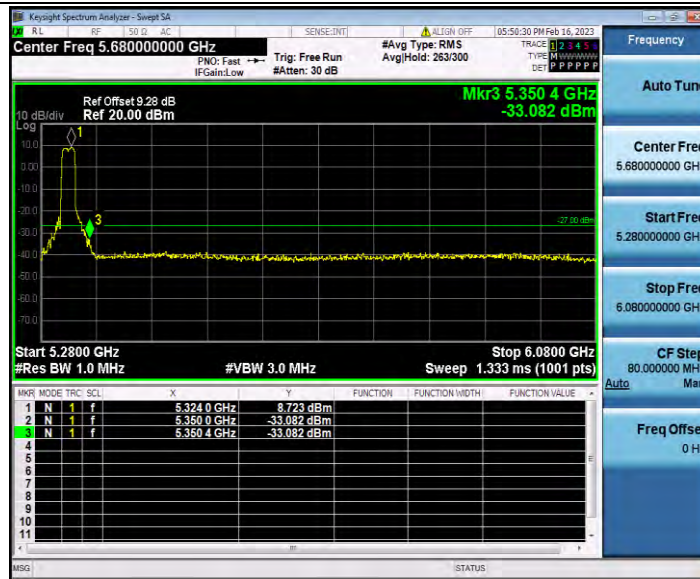
11N40SISO_Ant0_High_5310



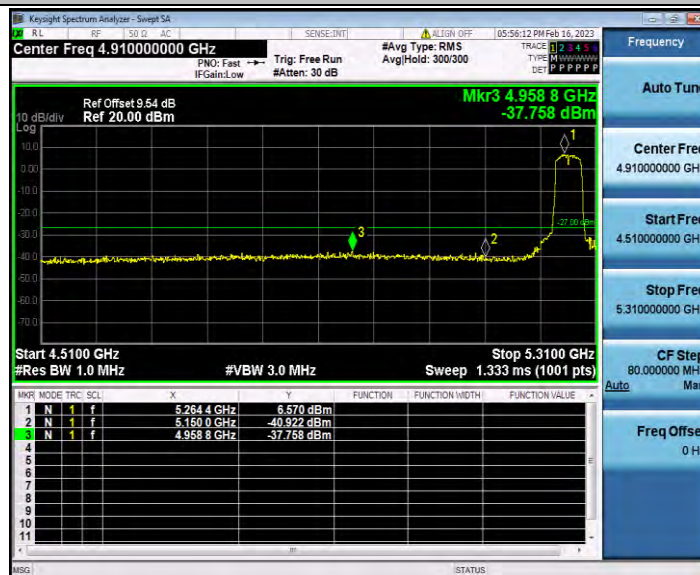
11AC20SISO_Ant0_Low_5260



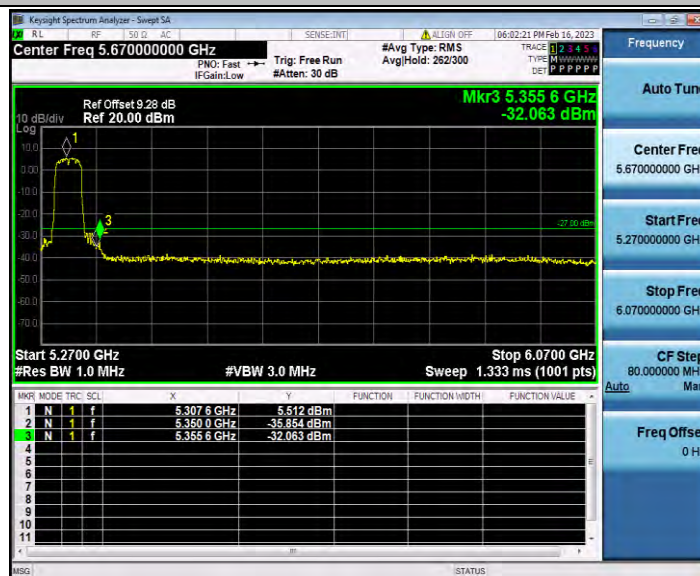
11AC20SISO_Ant0_High_5320



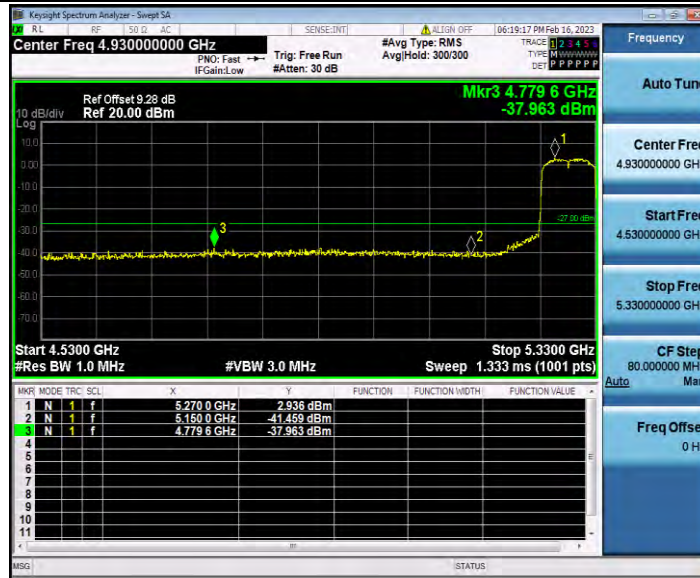
11AC40SISO_Ant0_Low_5270



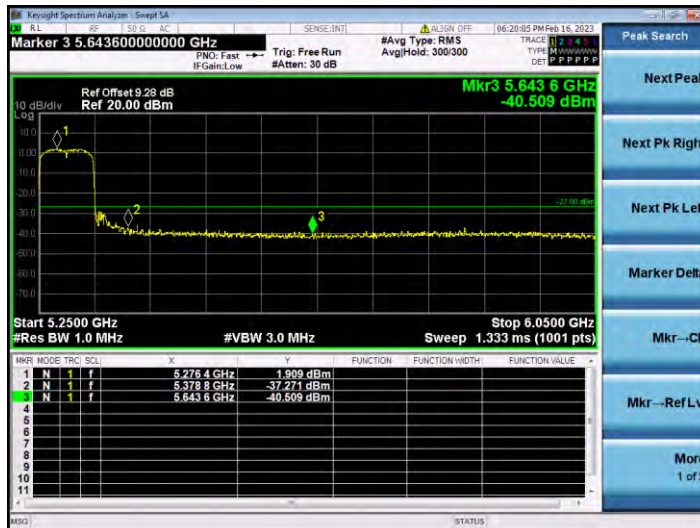
11AC40SISO_Ant0_High_5310



11AC80SISO_Ant0_Low_5290



11AC80SISO_Ant0_High_5290



Appendix E.7: Conducted Spurious Emission

Test Result

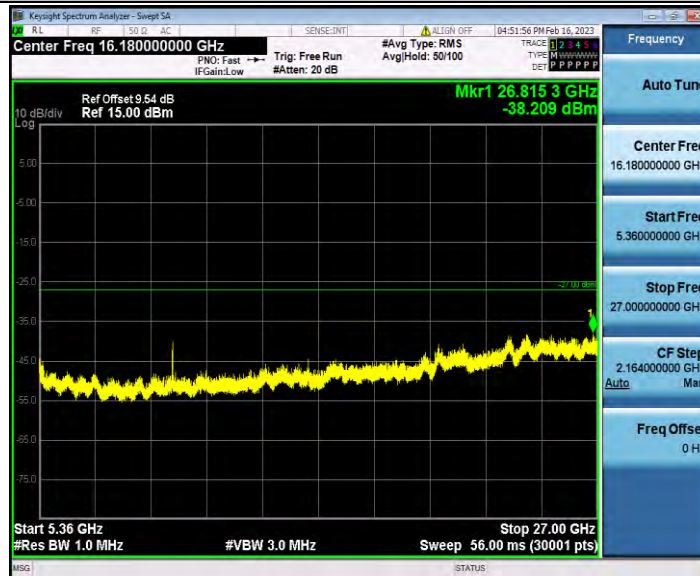
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant0	5260	30~5140	5127.74	-46.63	≤-27	PASS
			5360~40000	26815.34	-38.21	≤-27	PASS
		5280	30~5140	4959.11	-46.44	≤-27	PASS
			5360~40000	24109.62	-37.73	≤-27	PASS
		5320	30~5140	5004.76	-46.68	≤-27	PASS
			5360~40000	24225.75	-37.12	≤-27	PASS
11N20SISO	Ant0	5260	30~5140	5009.7	-46.67	≤-27	PASS
			5360~40000	26114.92	-38.24	≤-27	PASS
		5280	30~5140	4992.15	-47.02	≤-27	PASS
			5360~40000	24271.92	-37.93	≤-27	PASS
		5320	30~5140	4991.64	-47.31	≤-27	PASS
			5360~40000	24209.88	-37.77	≤-27	PASS
11N40SISO	Ant0	5270	30~5140	3005.89	-47.39	≤-27	PASS
			5360~40000	24851.87	-38.13	≤-27	PASS
		5310	30~5140	1738.27	-46.59	≤-27	PASS
			5360~40000	5362.16	-34.8	≤-27	PASS
11AC20SISO	Ant0	5260	30~5140	4965.41	-46.94	≤-27	PASS
			5360~40000	26024.76	-37.9	≤-27	PASS
		5280	30~5140	4773.78	-47.46	≤-27	PASS
			5360~40000	24274.08	-38.02	≤-27	PASS
		5320	30~5140	4875.64	-47.31	≤-27	PASS
			5360~40000	24269.03	-38.01	≤-27	PASS
11AC40SISO	Ant0	5270	30~5140	5108.66	-45.95	≤-27	PASS
			5360~40000	25006.96	-38.65	≤-27	PASS
		5310	30~5140	2668.29	-47.69	≤-27	PASS
			5360~40000	24773.24	-37.57	≤-27	PASS
11AC80SISO	Ant0	5290	30~5140	5007.31	-46.47	≤-27	PASS
			5360~40000	5370.82	-36.43	≤-27	PASS

Test Graphs

11A_Ant0_5260_30~5140



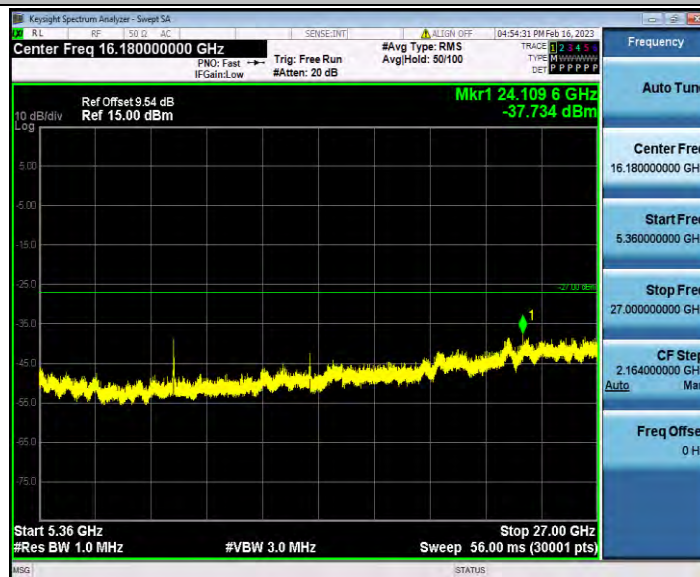
11A_Ant0_5260_5360~40000



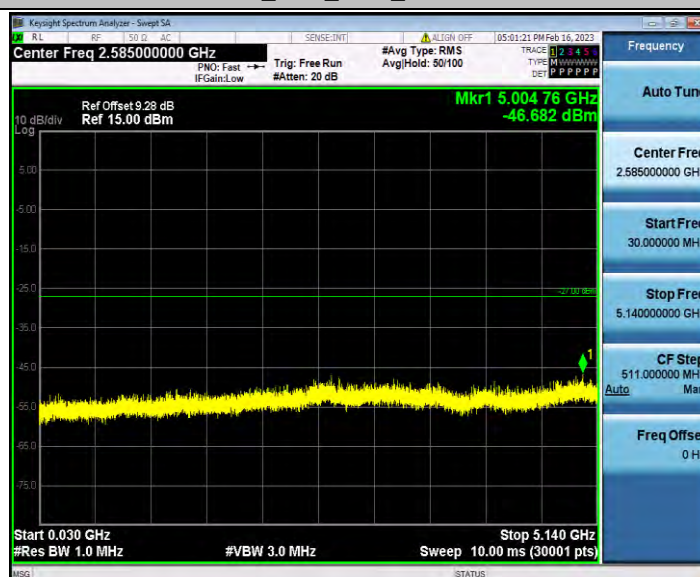
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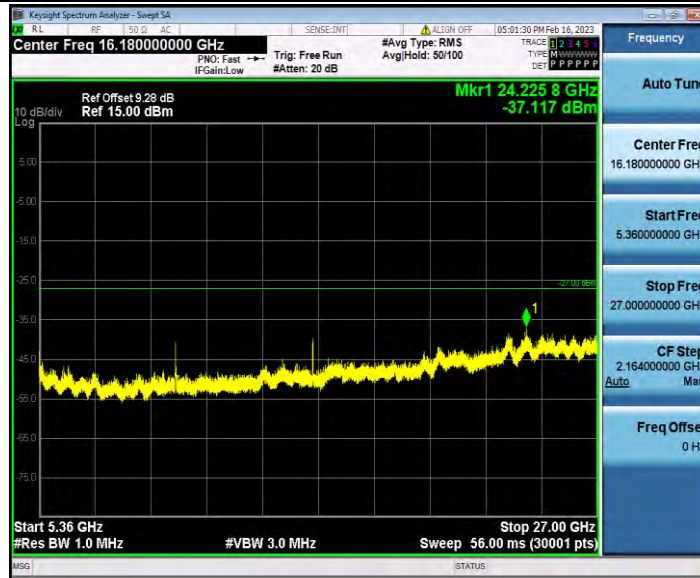
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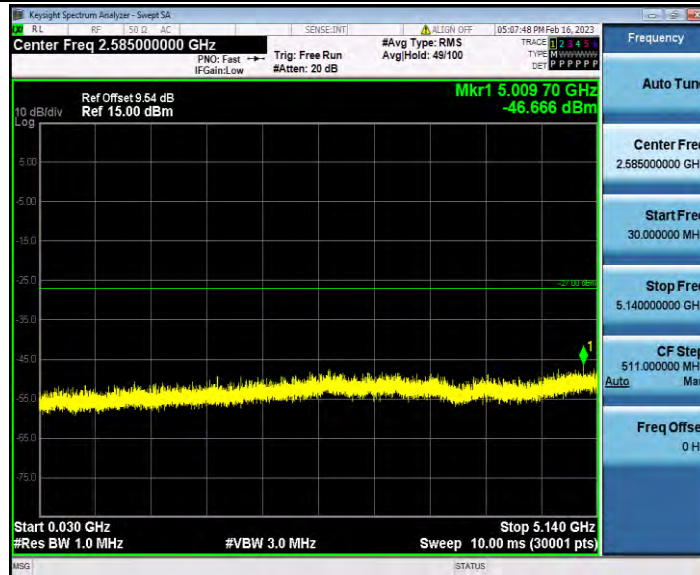
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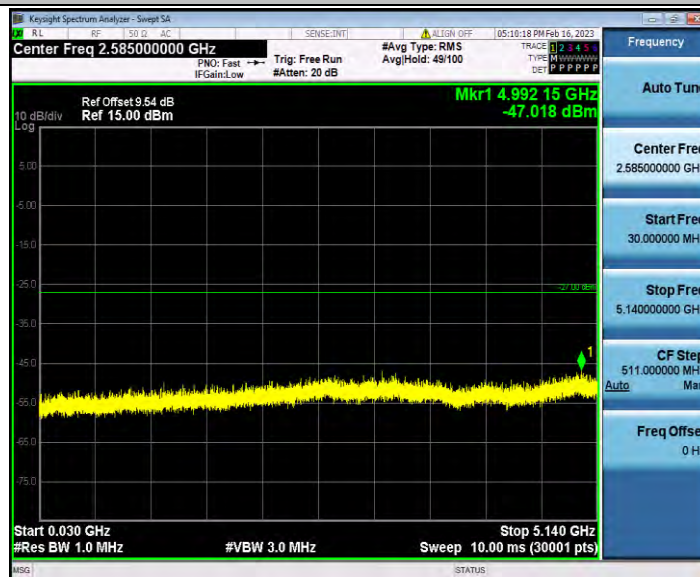
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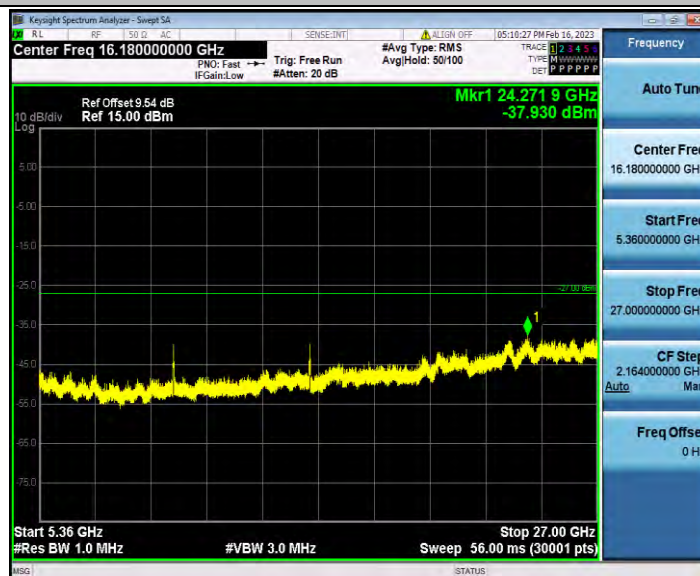
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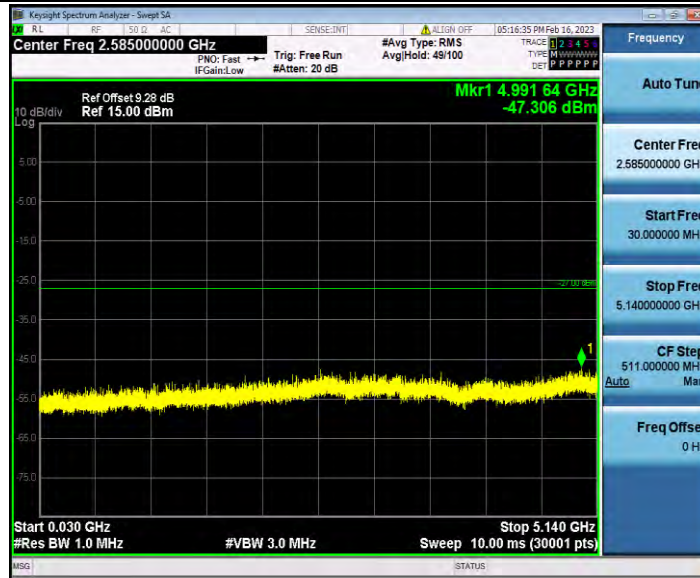
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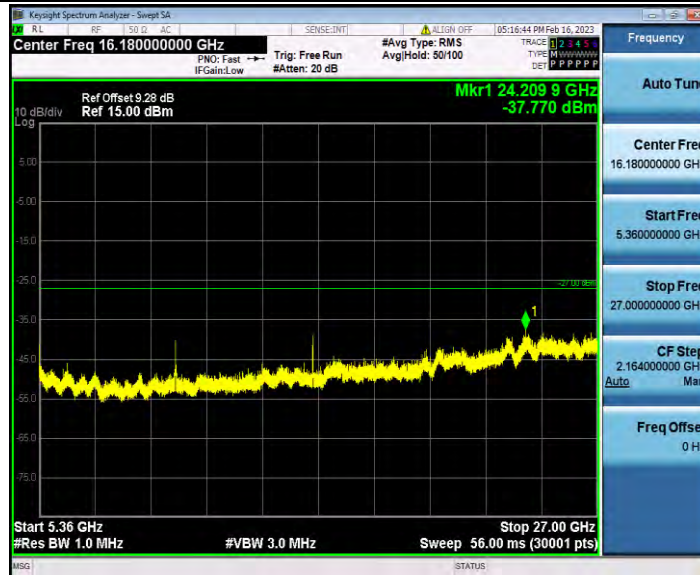
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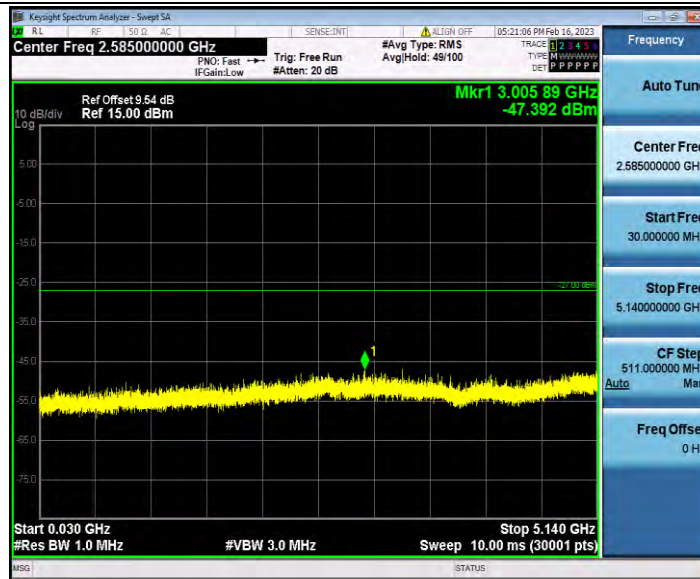
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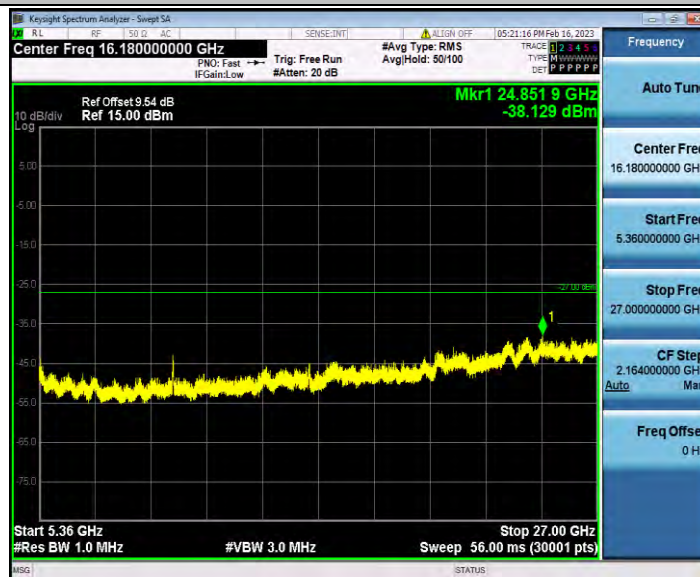
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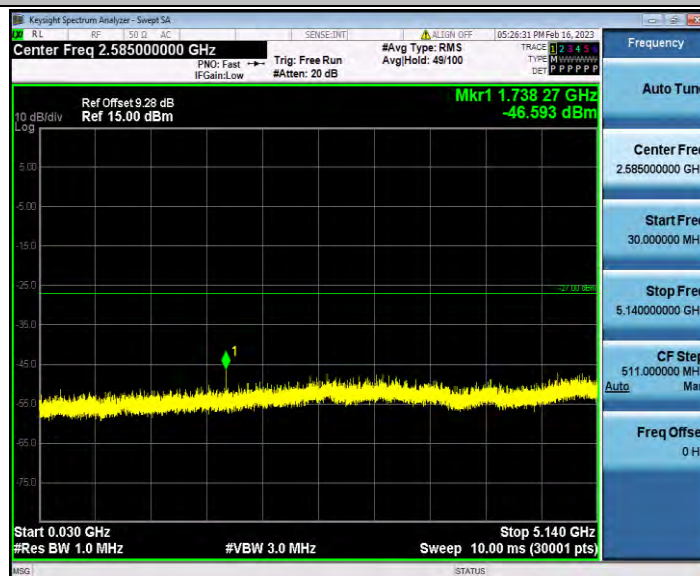
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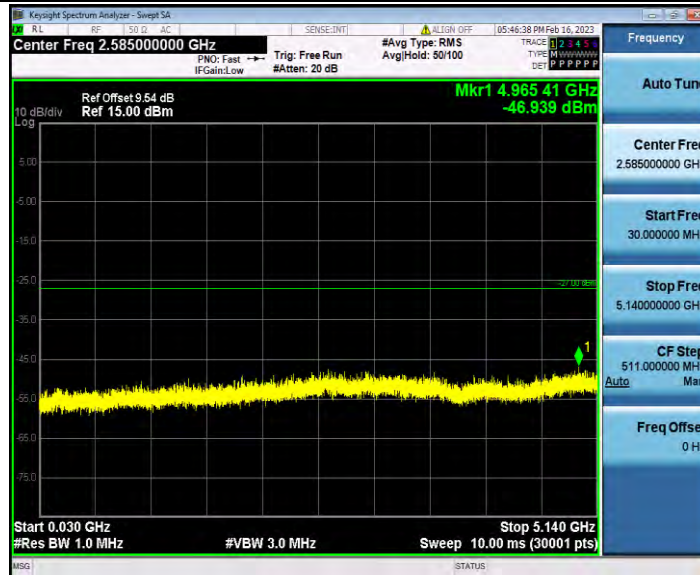
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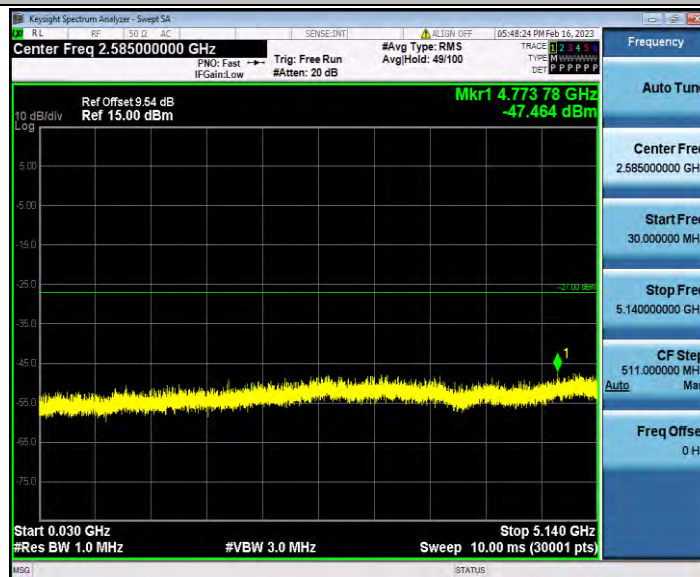
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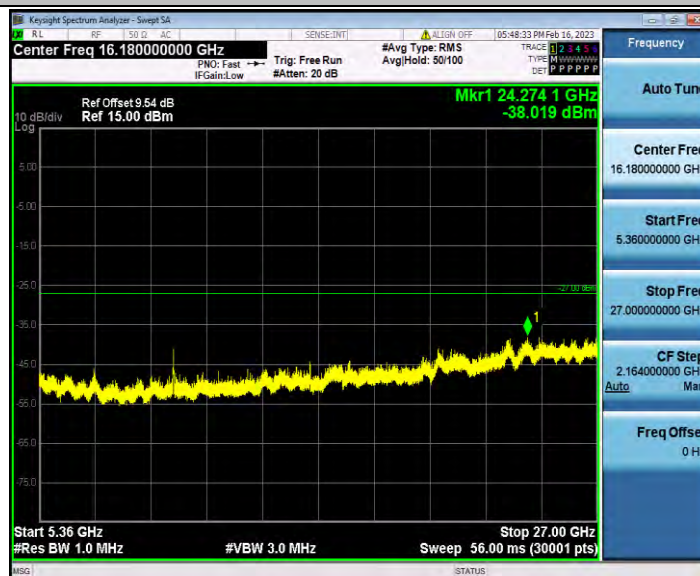
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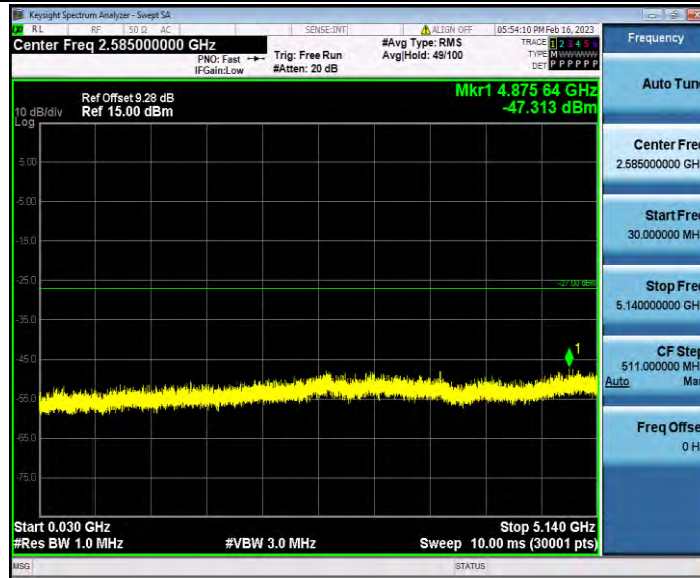
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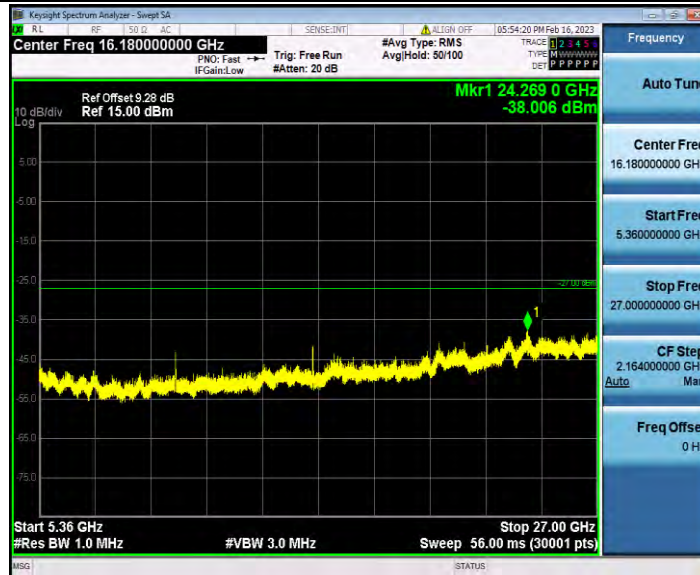
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11AC20SISO_Ant0_5320_30~5140



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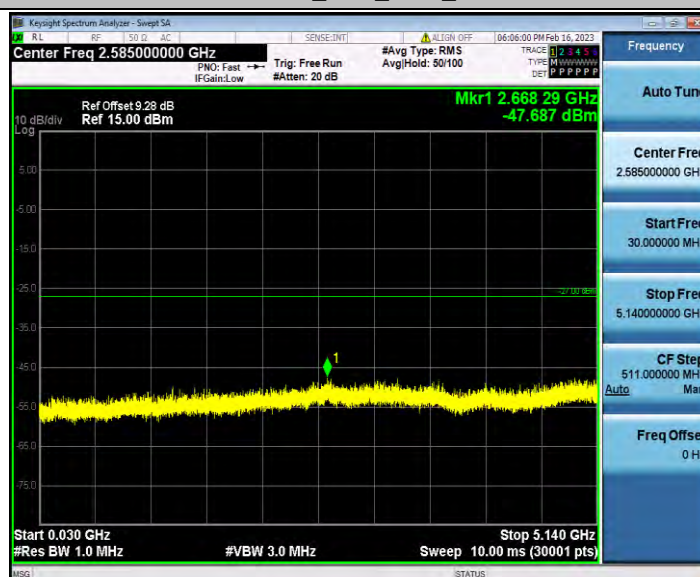
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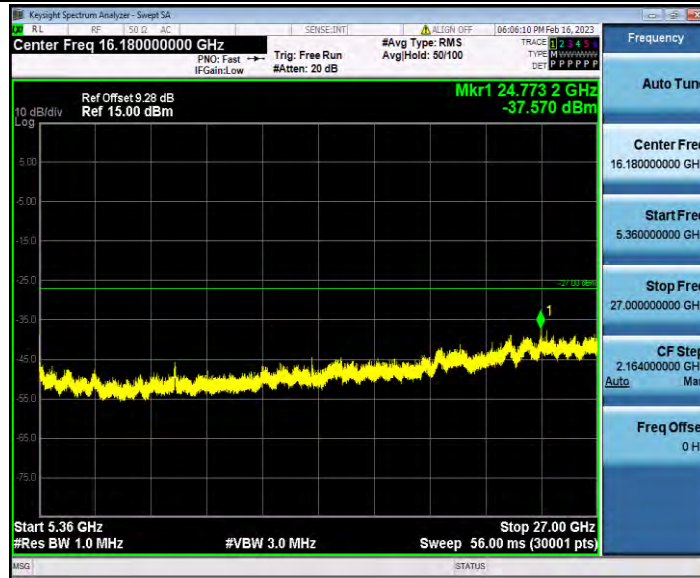
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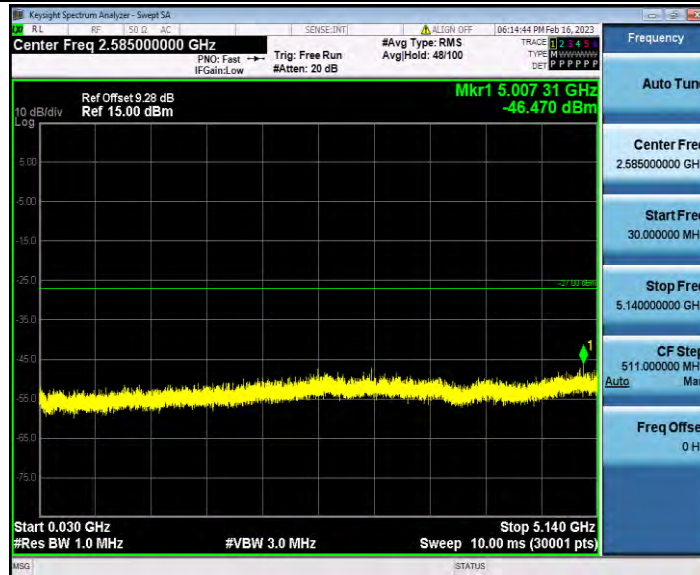
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11AC40SISO_Ant0_5310_5360~40000



11AC80SISO_Ant0_5290_30~5140



11AC80SISO_Ant0_5290_5360~40000

