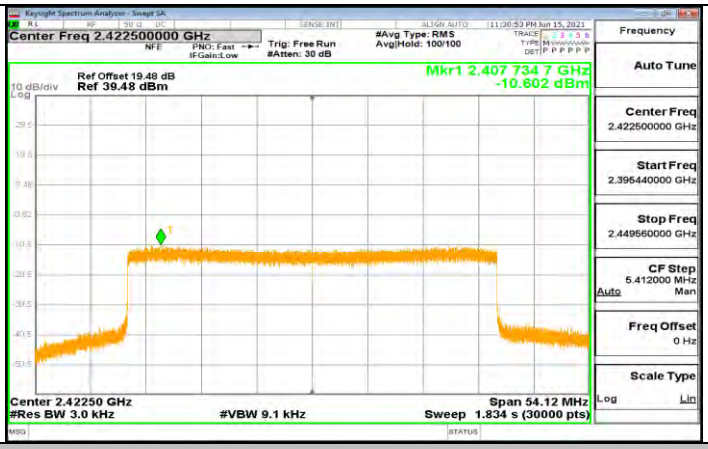
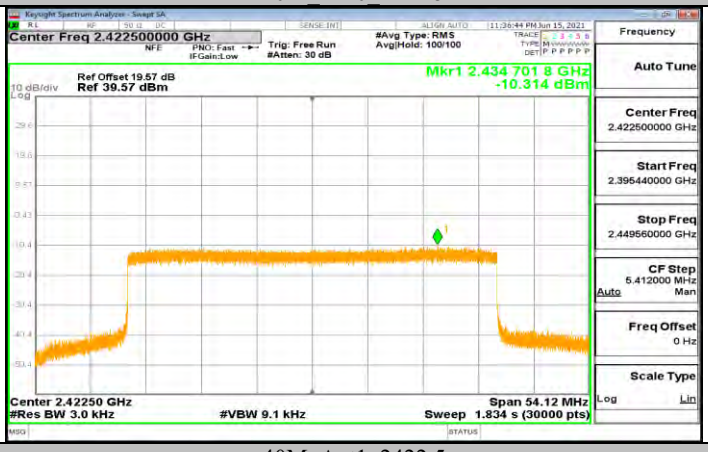
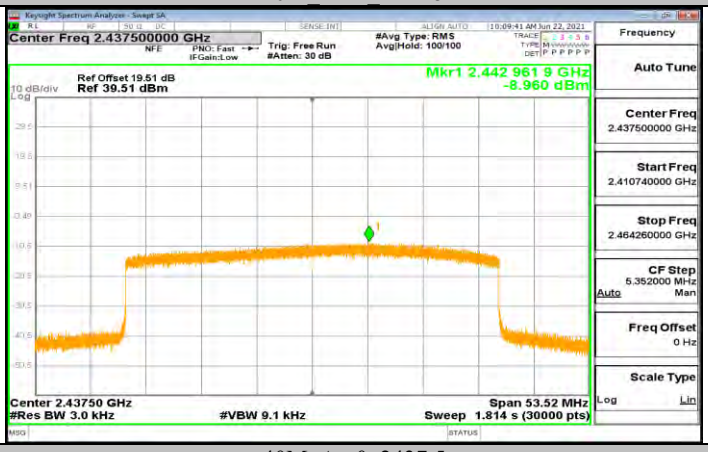


40M_Ant0_2422.5



40M_Ant1_2422.5



40M_Ant0_2437.5

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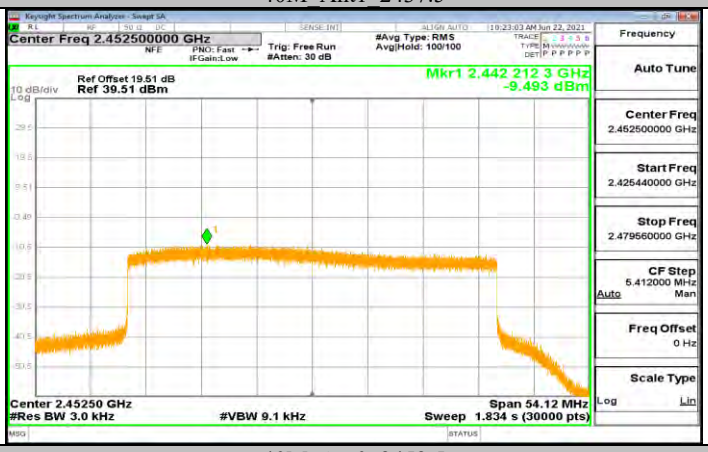
40M_Ant1_2437.5



40M_Ant0_2452.5

40M_Ant1_2452.5

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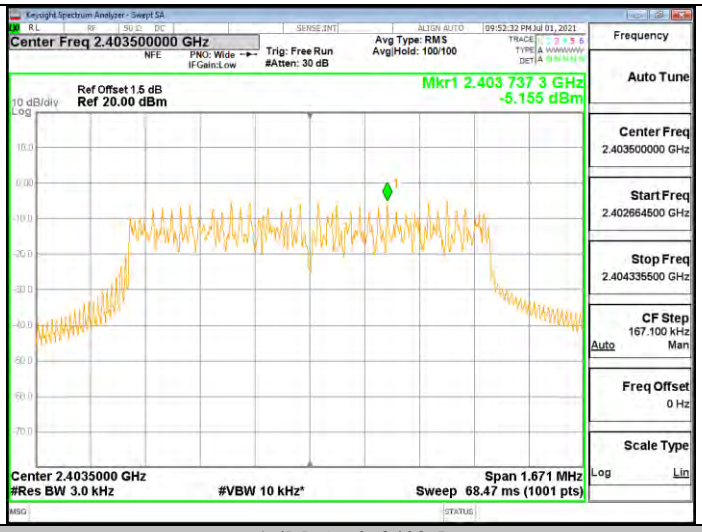
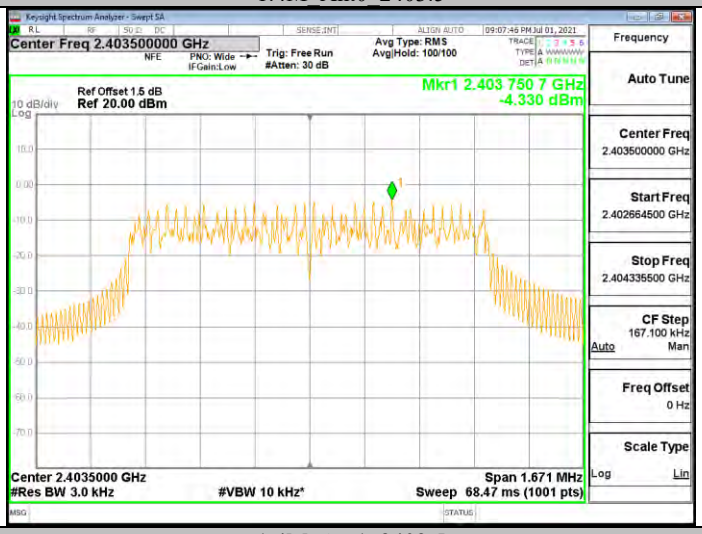
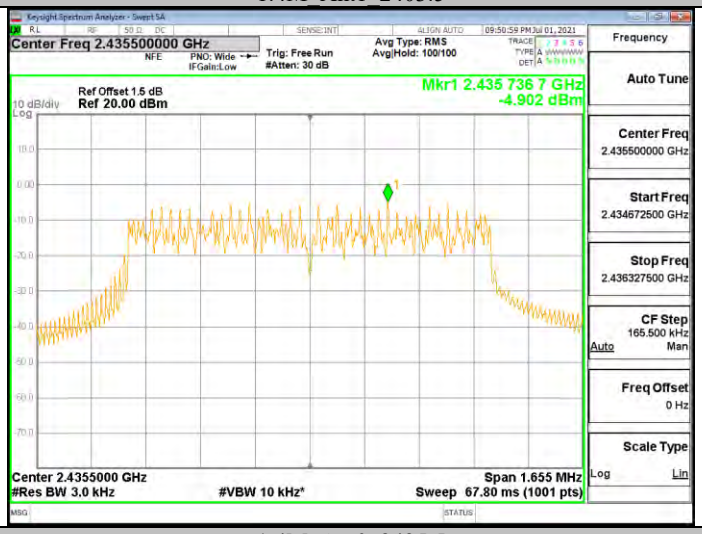


1.4M_Ant0_2403.5



1.4M_Ant1_2403.5



1.4M_Ant0_2435.5

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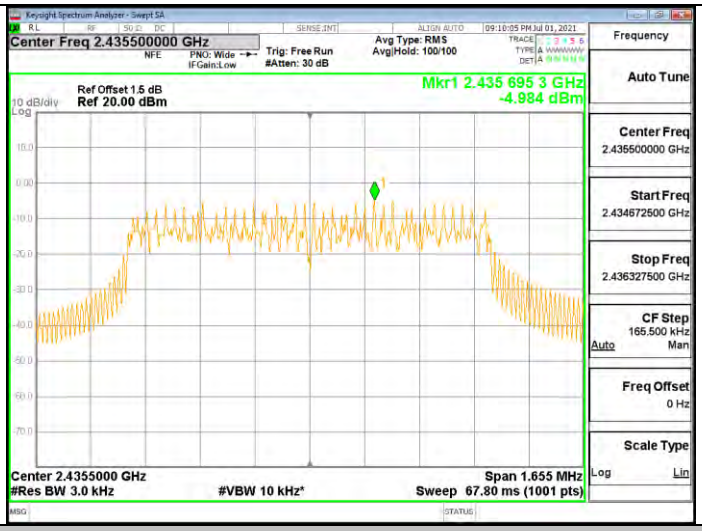
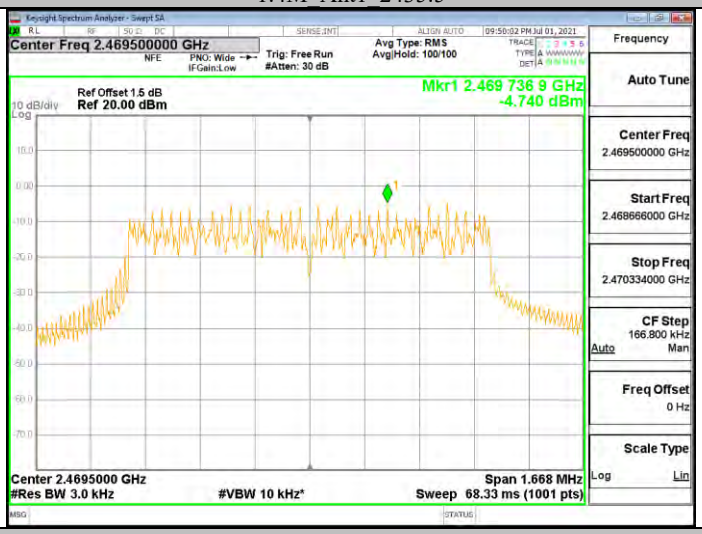
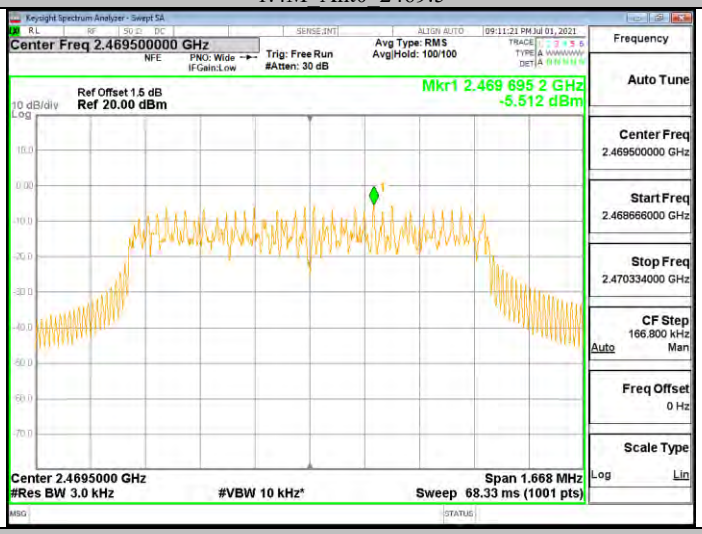


1.4M_Ant1_2435.5



1.4M_Ant0_2469.5



1.4M_Ant0_2469.5

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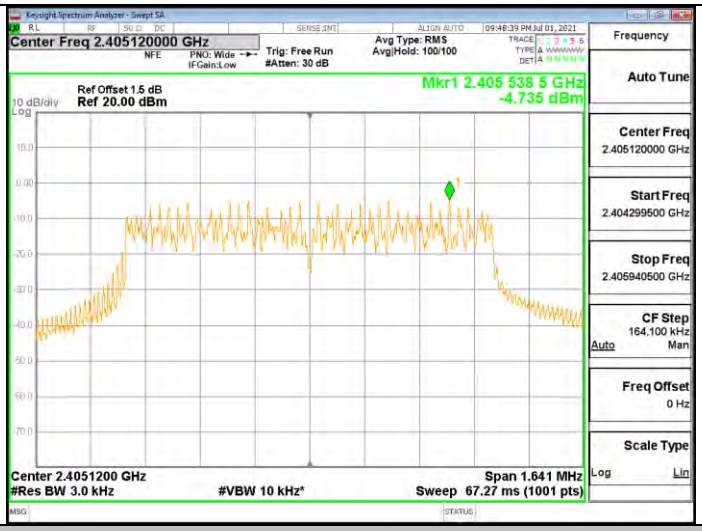
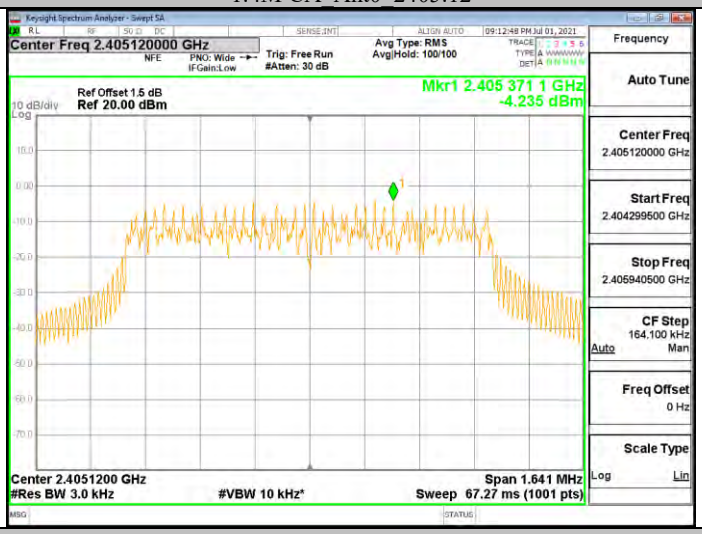
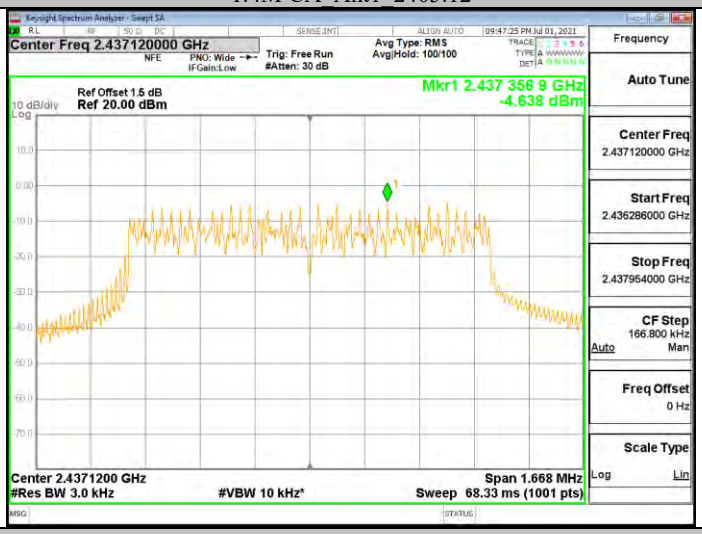


1.4M CA_Ant0_2405.12



1.4M CA_Ant1_2405.12



1.4M CA_Ant0_2437.12

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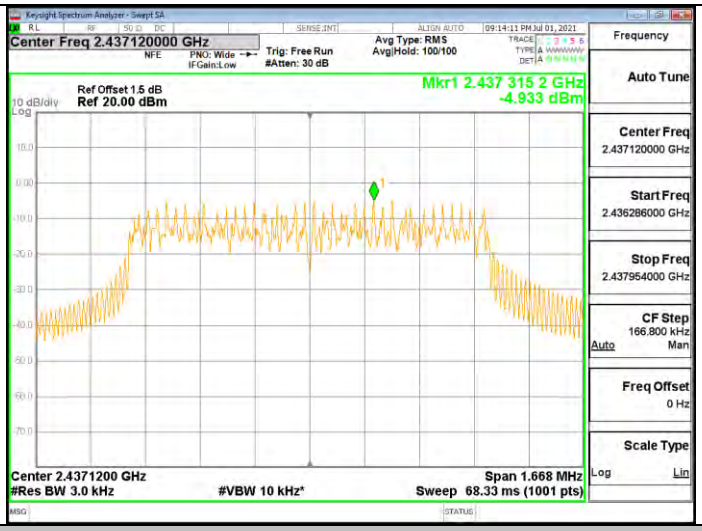
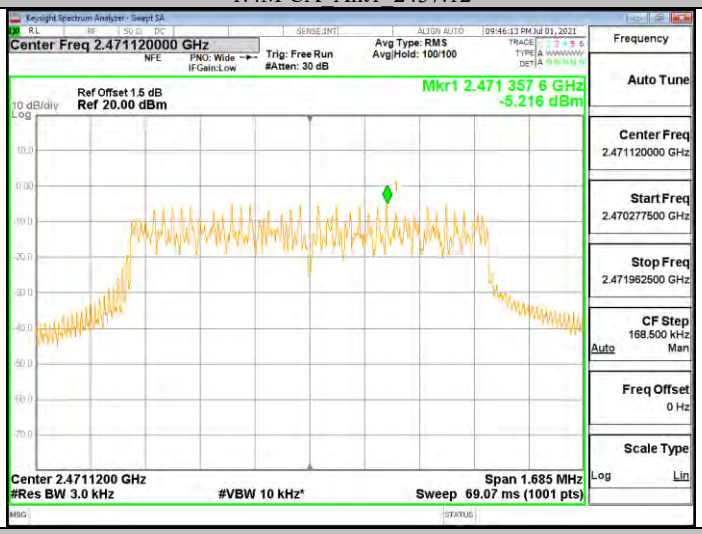
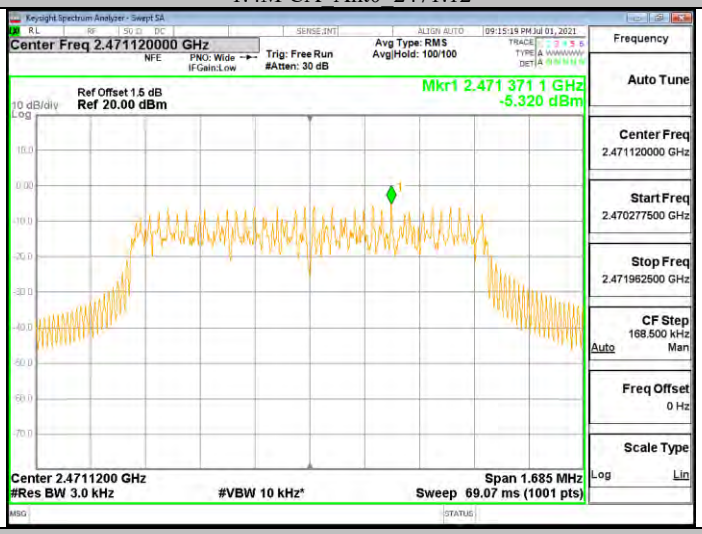


1.4M CA_Ant1_2437.12



1.4M CA_Ant0_2471.12



1.4M CA_Ant0_2471.12

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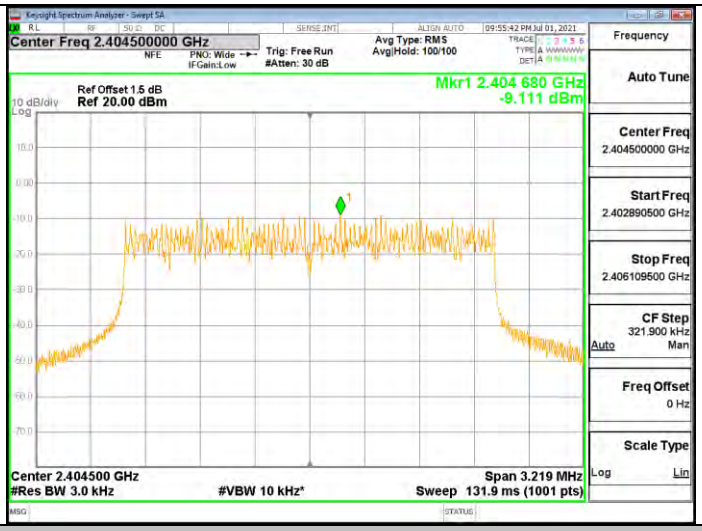
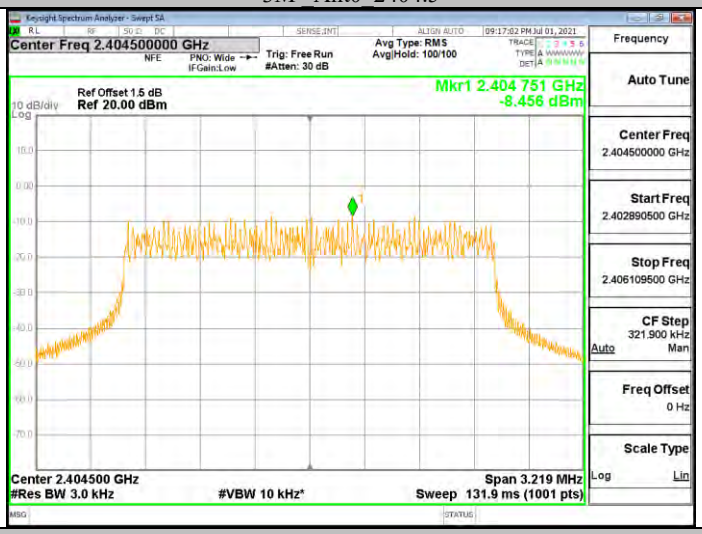
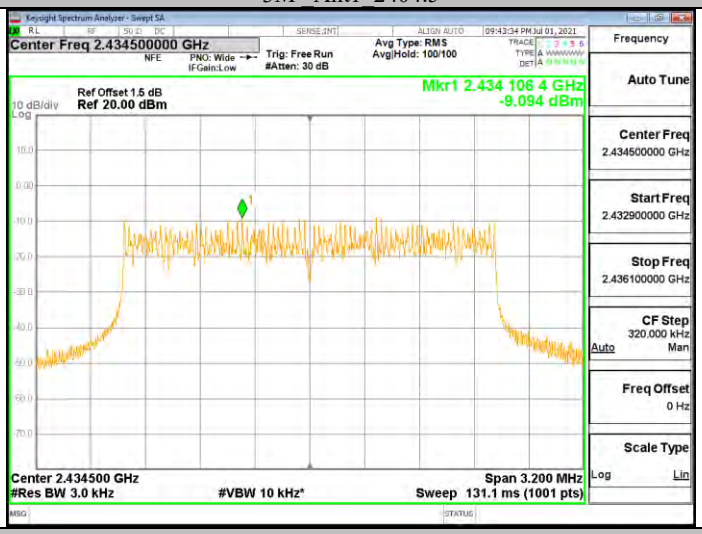


3M _Ant0_2404.5



3M _Ant1_2404.5



3M _Ant0_2434.5

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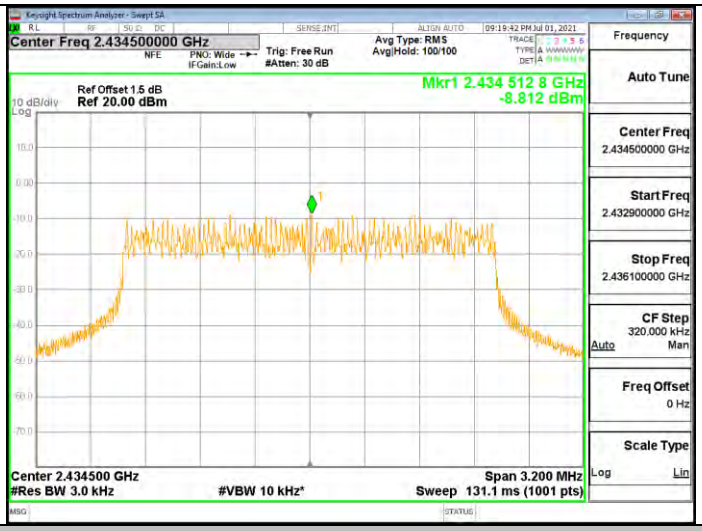
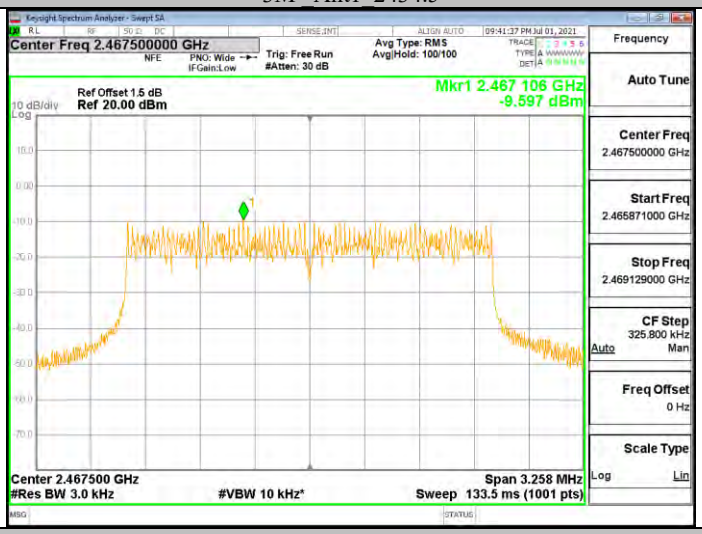
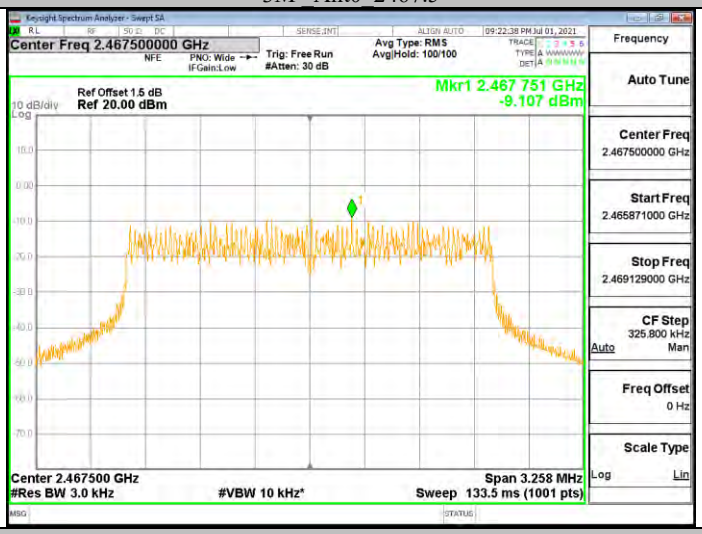


3M_Ant1_2434.5



3M_Ant0_2467.5



3M_Ant1_2467.5

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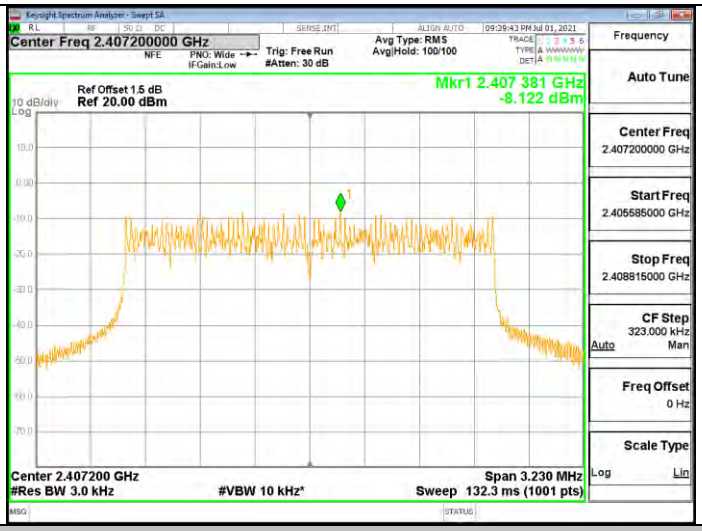
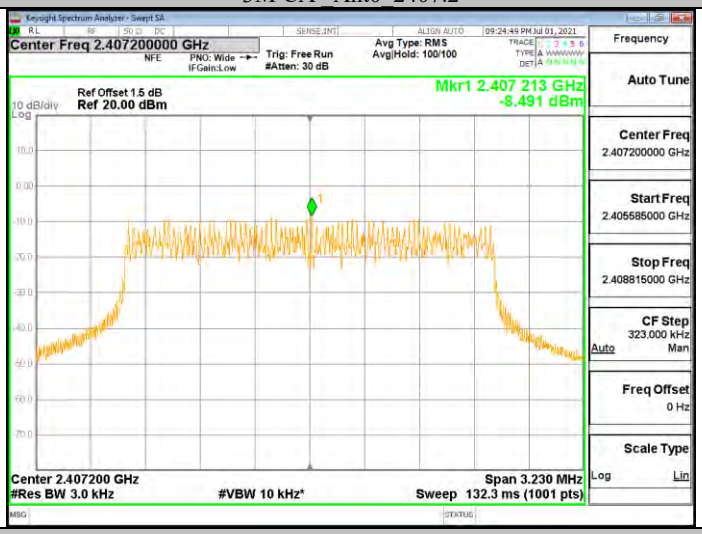
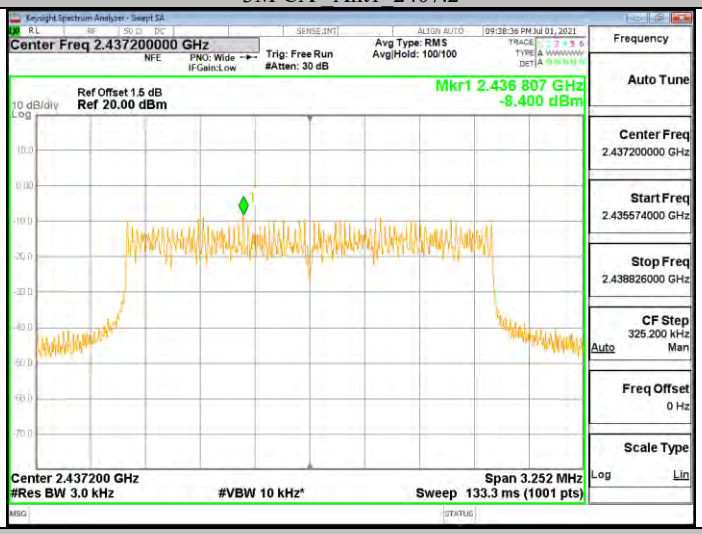


3M CA _Ant0_2407.2



3M CA _Ant1_2407.2



3M CA _Ant0_2437.2

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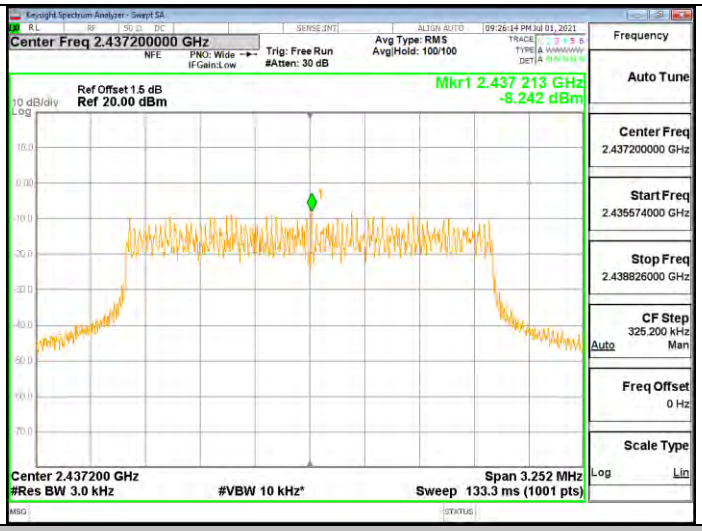
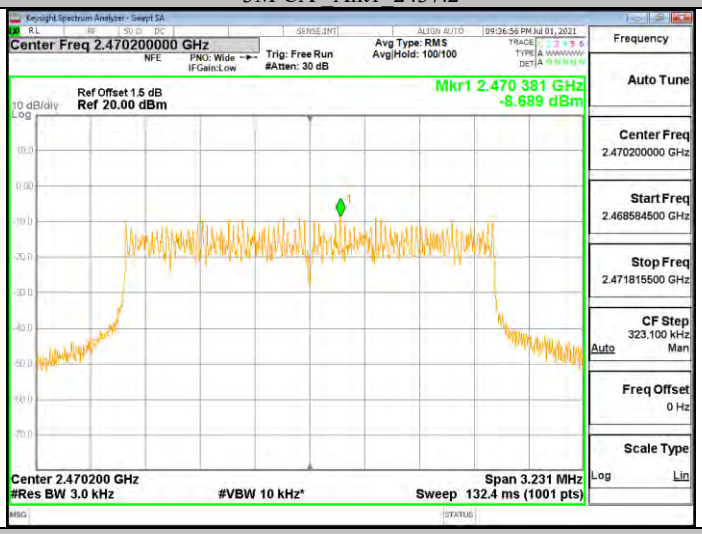
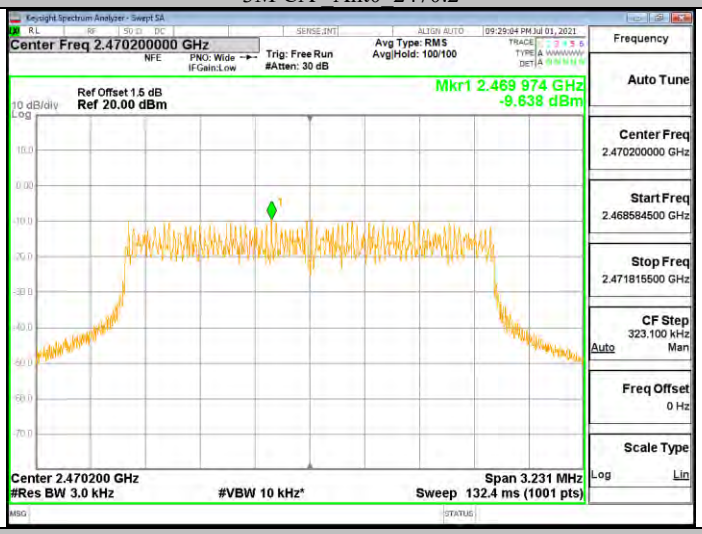


3M CA _Ant1_2437.2



3M CA _Ant0_2470.2



3M CA _Ant1_2470.2

Note: All the modes and channels had been tested, but only the worst data as TX at Ant0&1was recorded in the report.

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11.5. Appendix E: Band edge measurements

11.5.1.Test Result

Test Mode	Antenna	ChName	Result[dBm]	Verdict
10M	Ant0	Low	See the Graph	PASS
		High	See the Graph	PASS
20M	Ant0	Low	See the Graph	PASS
		High	See the Graph	PASS
40M	Ant0	Low	See the Graph	PASS
		High	See the Graph	PASS
1.4M	Ant0	Low	See the Graph	PASS
		High	See the Graph	PASS
1.4M CA	Ant0	Low	See the Graph	PASS
		High	See the Graph	PASS
3M	Ant0	Low	See the Graph	PASS
		High	See the Graph	PASS
3M CA	Ant0	Low	See the Graph	PASS
		High	See the Graph	PASS

Note: All the modes had been tested, but only the worst data was recorded in the report.

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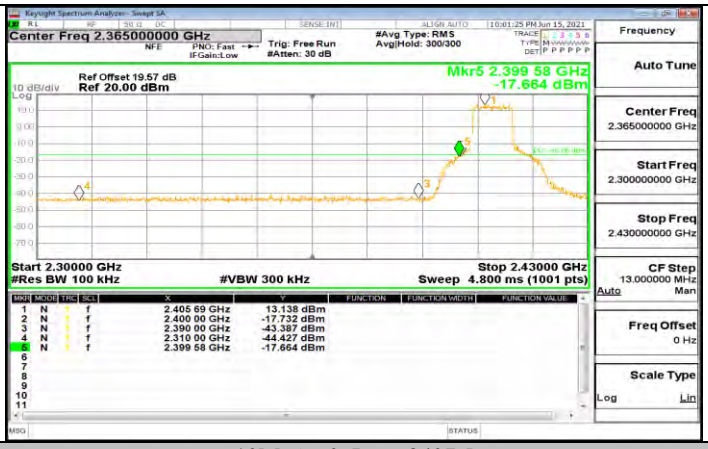
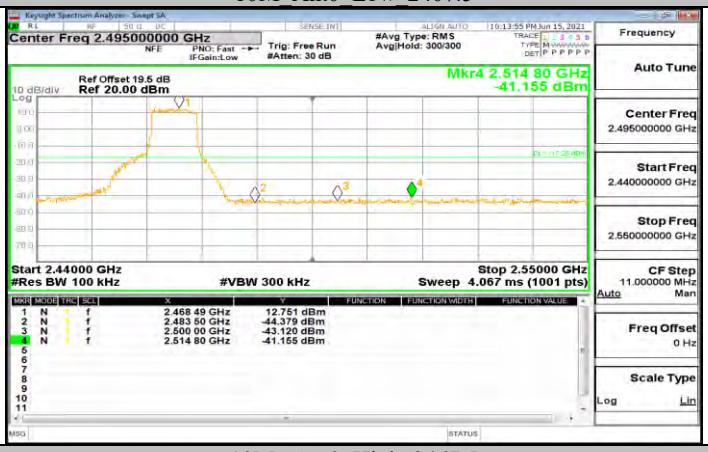
11.5.2.Test Graphs



10M_Ant0_Low_2407.5



10M_Ant0_High_2467.5

20M_Ant0_Low_2412.5

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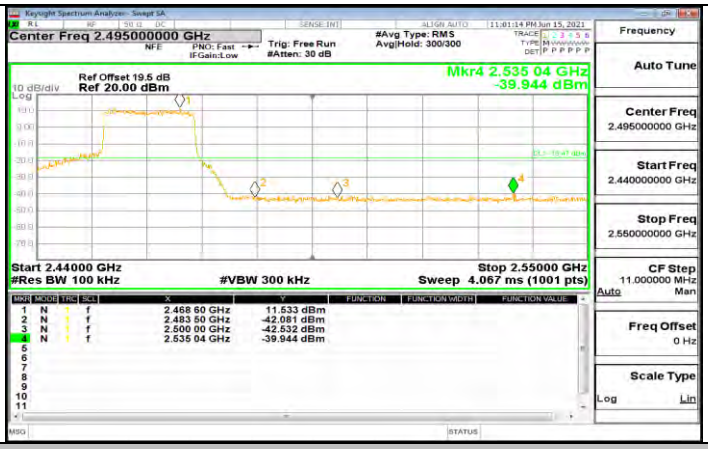
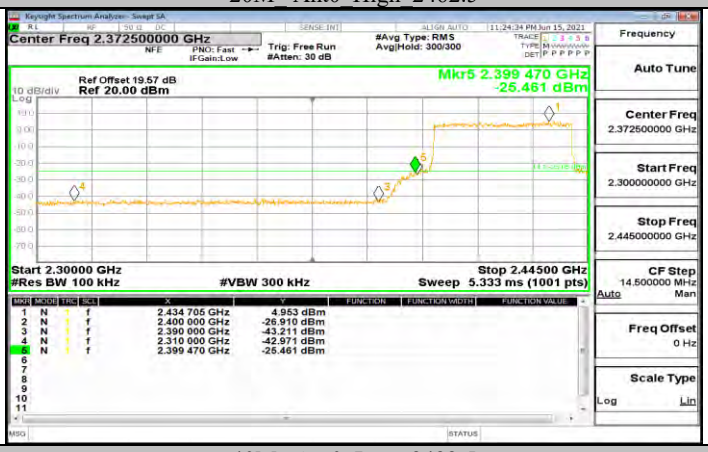
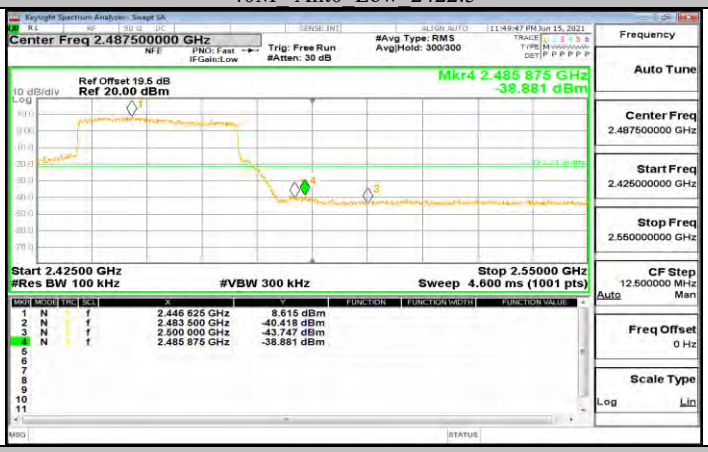


20M_Ant0_High_2462.5



40M_Ant0_Low_2422.5



40M_Ant0_High_2452.5

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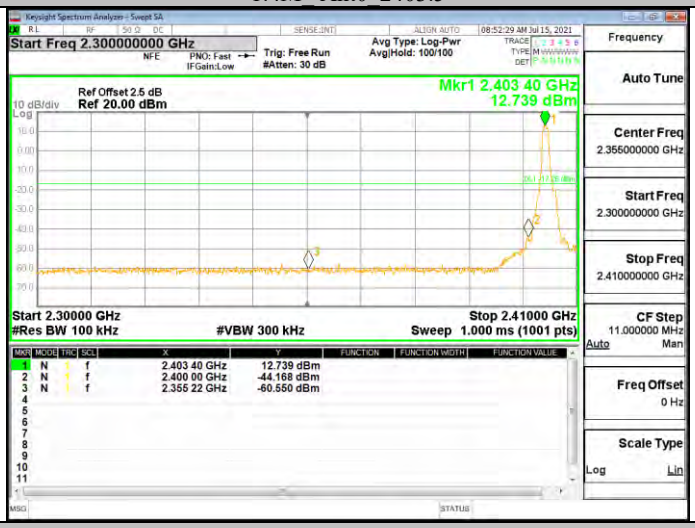
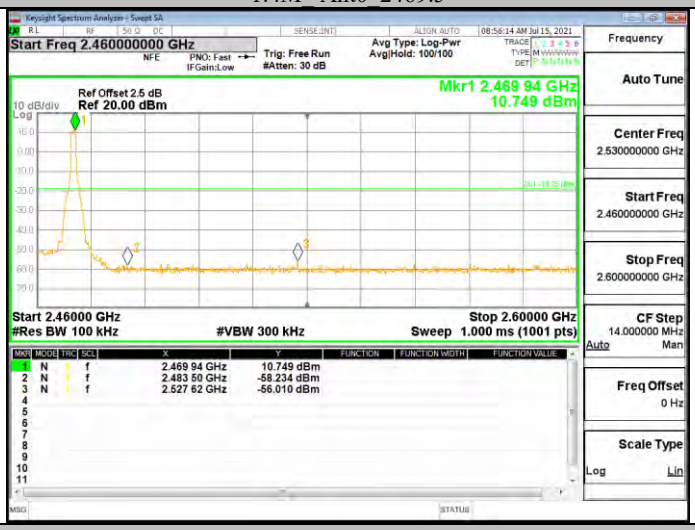
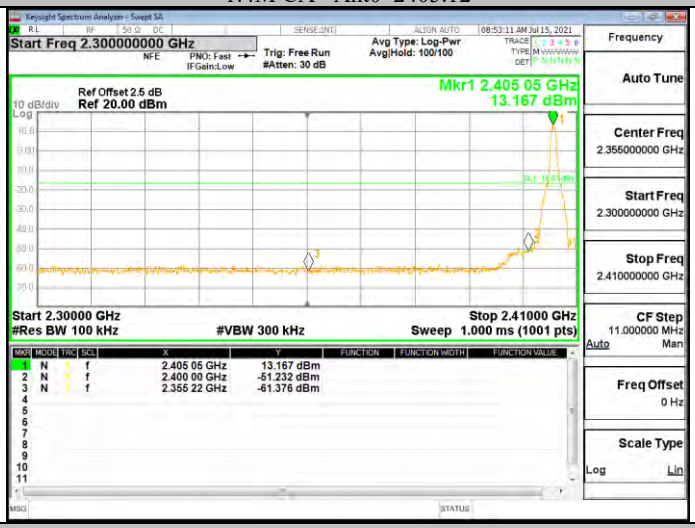
1.4M_Ant0_2403.5

1.4M_Ant0_2469.5

1.4M CA_Ant0_2405.12

1.4M CA_Ant0_2471.12

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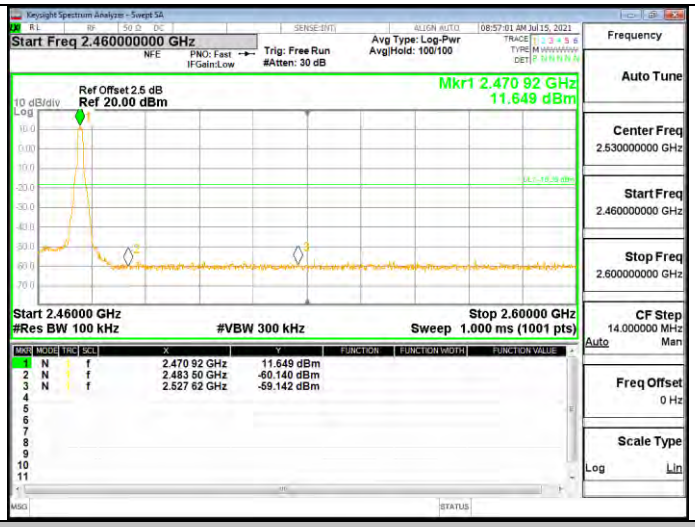
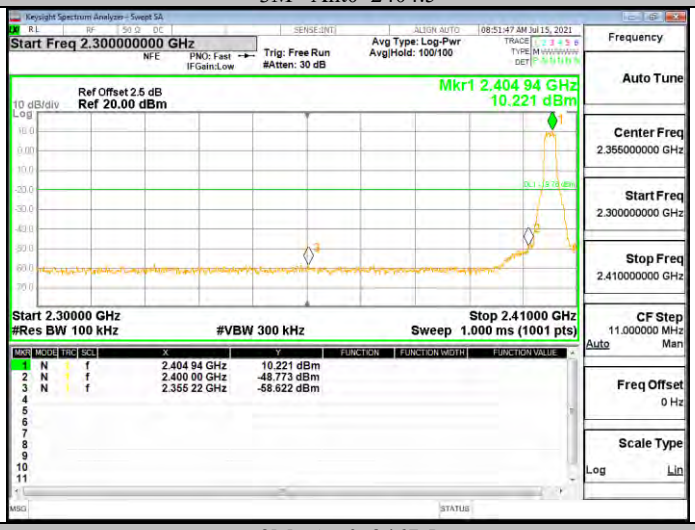
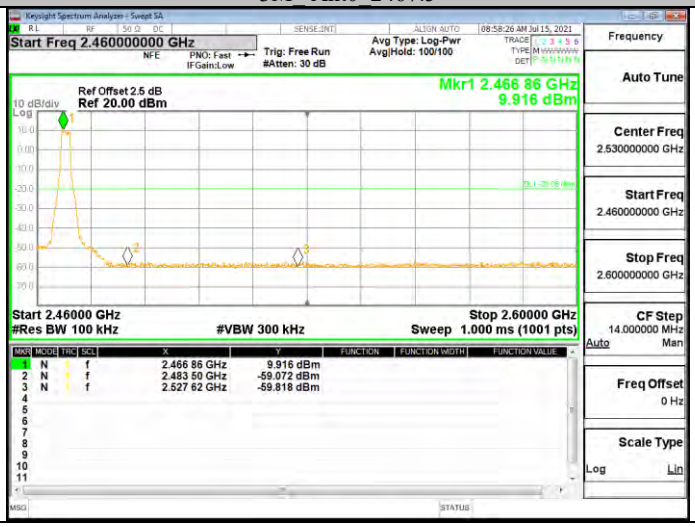


3M Ant0 2404.5



3M Ant0 2467.5



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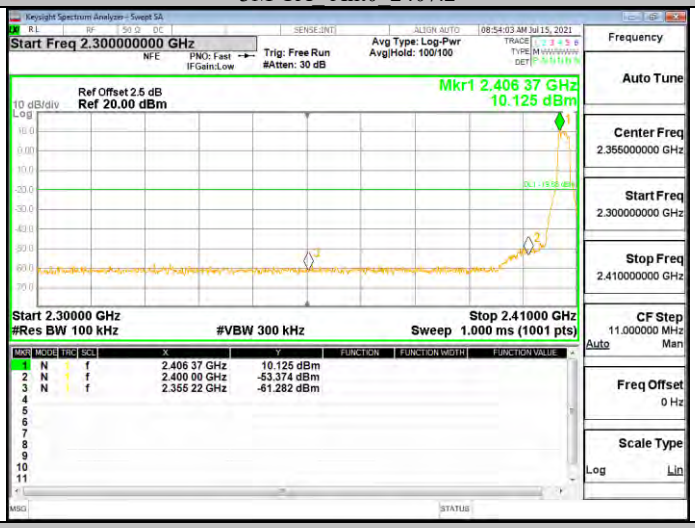
3M CA_Ant0_2407.2

3M CA_Ant0_2470.2

Note: All the modes had been tested, but only the worst data was recorded in the report.

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11.6. Appendix F: Conducted Spurious Emission

11.6.1.Test Result

Test Mode	Antenna	Channel	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
10M	Ant0	2407.5	Reference	13.08	---	PASS
			30~1000	See the Graph	<=-16.92	PASS
			1000~26500	See the Graph	<=-16.92	PASS
		2437.5	Reference	12.35	---	PASS
			30~1000	See the Graph	<=-17.65	PASS
			1000~26500	See the Graph	<=-17.65	PASS
		2467.5	Reference	12.30	---	PASS
			30~1000	See the Graph	<=-17.7	PASS
			1000~26500	See the Graph	<=-17.7	PASS
20M	Ant0	2412.5	Reference	10.58	---	PASS
			30~1000	See the Graph	<=-19.42	PASS
			1000~26500	See the Graph	<=-19.42	PASS
		2437.5	Reference	10.43	---	PASS
			30~1000	See the Graph	<=-19.57	PASS
			1000~26500	See the Graph	<=-19.57	PASS
		2462.5	Reference	11.04	---	PASS
			30~1000	See the Graph	<=-18.96	PASS
			1000~26500	See the Graph	<=-18.96	PASS
40M	Ant0	2422.5	Reference	6.42	---	PASS
			30~1000	See the Graph	<=-23.58	PASS
			1000~26500	See the Graph	<=-23.58	PASS
		2437.5	Reference	7.61	---	PASS
			30~1000	See the Graph	<=-22.39	PASS
			1000~26500	See the Graph	<=-22.39	PASS
		2452.5	Reference	8.81	---	PASS
			30~1000	See the Graph	<=-21.2	PASS
			1000~26500	See the Graph	<=-21.2	PASS
1.4M	Ant0	2403.5	Reference	12.17	---	PASS
			30~26500	See the Graph	<=-17.83	PASS
		2435.5	Reference	11.65	---	PASS
			30~26500	See the Graph	<=-18.35	PASS
		2467.5	Reference	11.45	---	PASS
			30~26500	See the Graph	<=-18.55	PASS
1.4M CA	Ant0	2405.12	Reference	12.07	---	PASS
			30~26500	See the Graph	<=-17.93	PASS
		2437.12	Reference	11.41	---	PASS
			30~26500	See the Graph	<=-18.59	PASS
		2471.12	Reference	11.58	---	PASS
			30~26500	See the Graph	<=-18.42	PASS
3M	Ant0	2404.5	Reference	10.61	---	PASS
			30~26500	See the Graph	<=-19.39	PASS
		2434.5	Reference	10.65	---	PASS
			30~26500	See the Graph	<=-19.35	PASS
		2467.5	Reference	8.93	---	PASS
			30~26500	See the Graph	<=-21.07	PASS
3M CA	Ant0	2407.2	Reference	10.02	---	PASS
			30~26500	See the Graph	<=-19.98	PASS
		2437.2	Reference	9.71	---	PASS
			30~26500	See the Graph	<=-20.29	PASS
		2470.2	Reference	9.60	---	PASS
			30~26500	See the Graph	<=-20.40	PASS

Note: All the modes had been tested, but only the worst data was recorded in the report.

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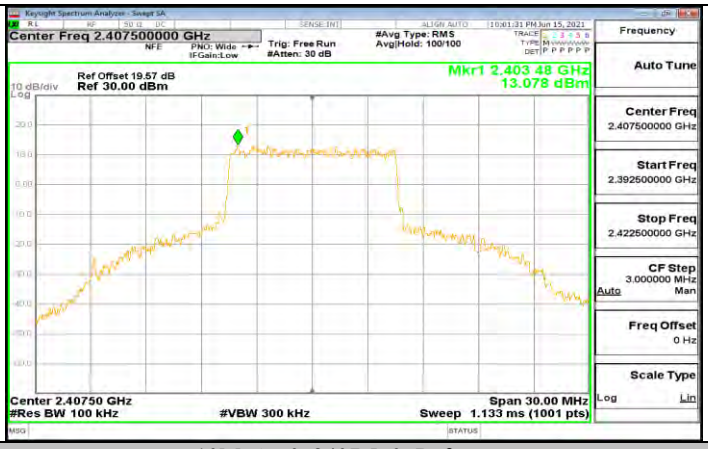
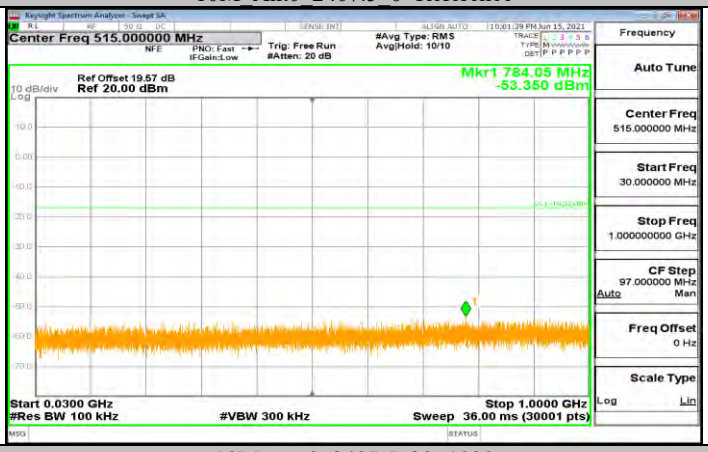
11.6.2.Test Graphs



10M_Ant0_2407.5_0~Reference



10M_Ant0_2407.5_30~1000

10M_Ant0_2407.5_1000~26500

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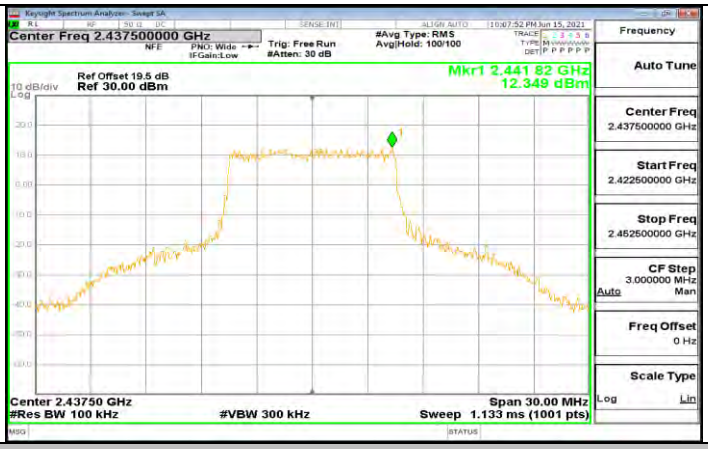
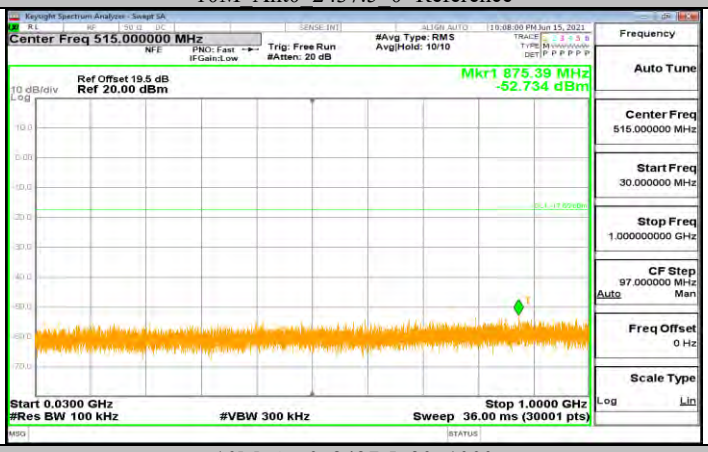


10M_Ant0_2437.5_0~Reference



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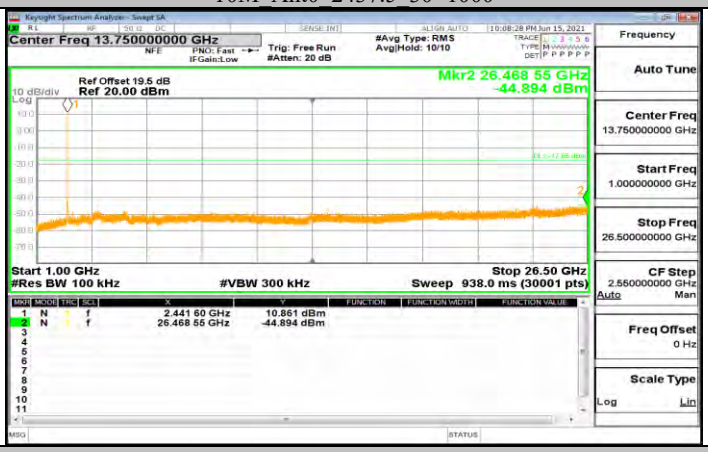

10M_Ant0_2437.5_1000~26500

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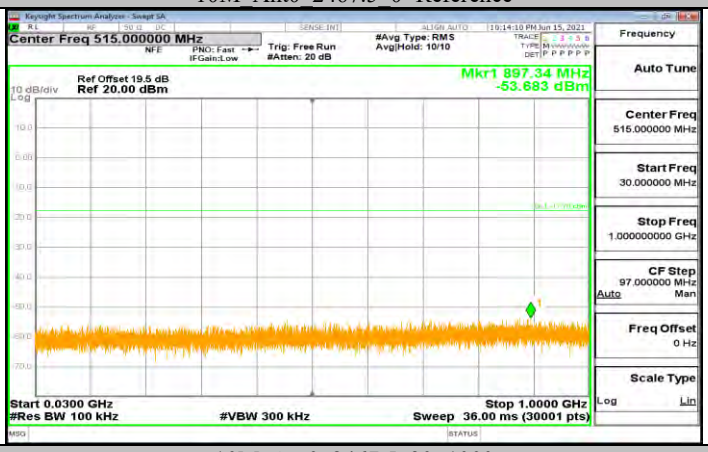
10M_Ant0_2467.5_0~Reference



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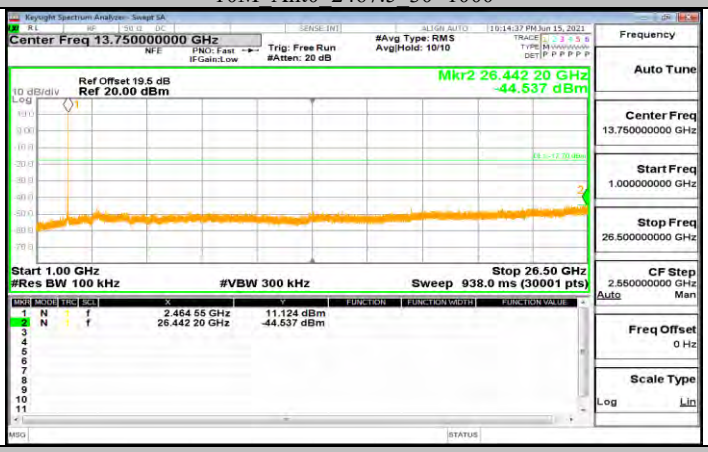

10M_Ant0_2467.5_1000~26500

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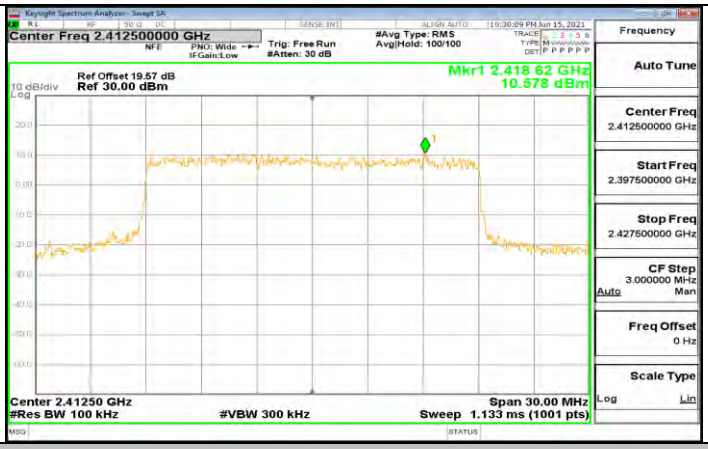
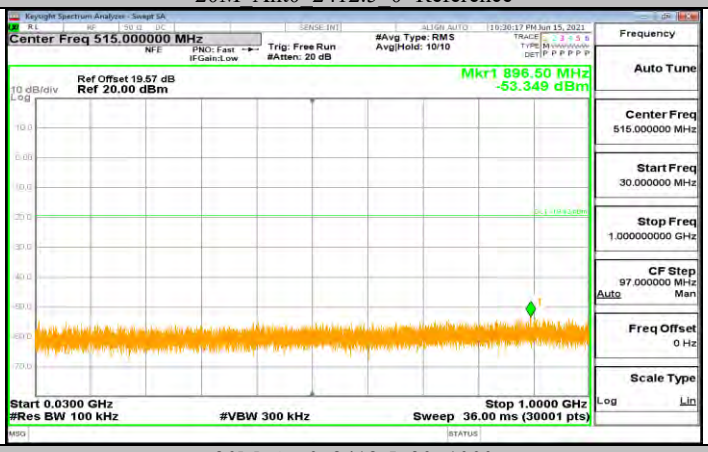


20M_Ant0_2412.5_0~Reference



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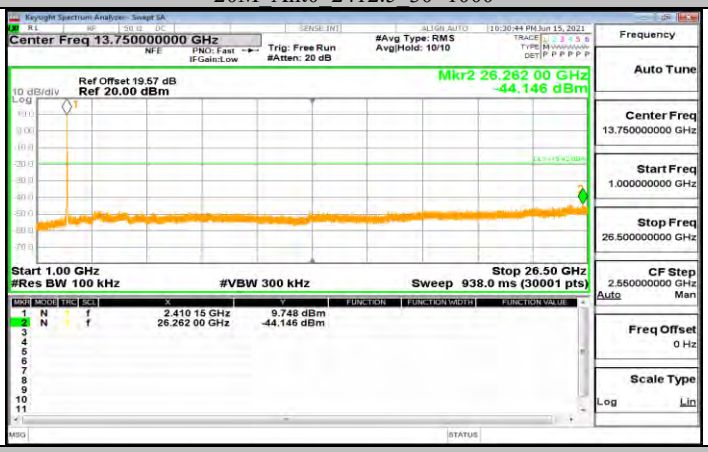

20M_Ant0_2412.5_1000~26500

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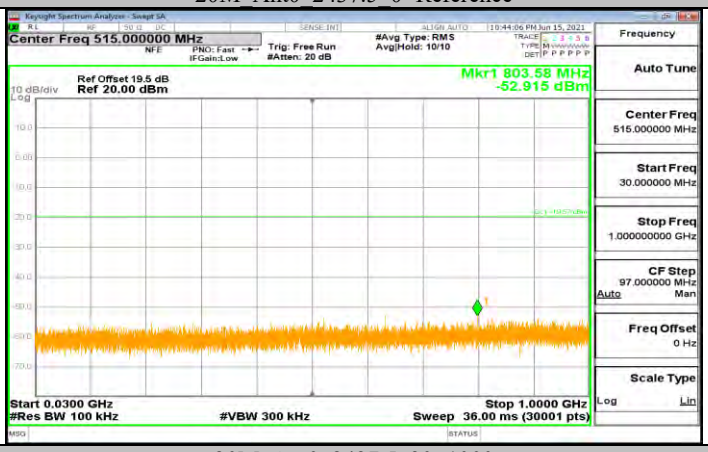
20M_Ant0_2437.5_0~Reference



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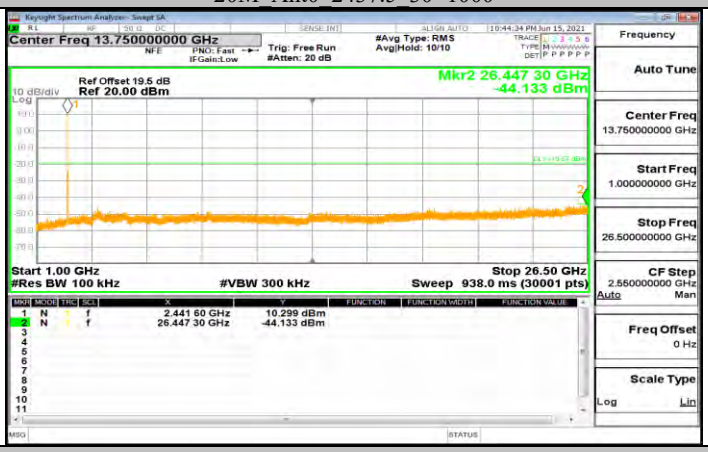

20M_Ant0_2437.5_1000~26500

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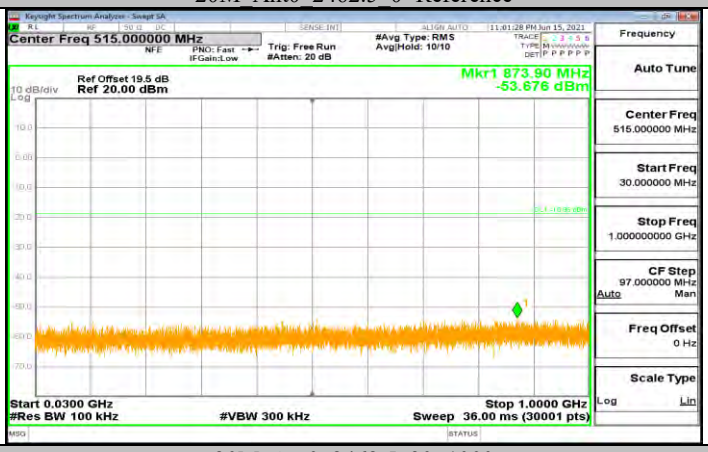
20M_Ant0_2462.5_0~Reference



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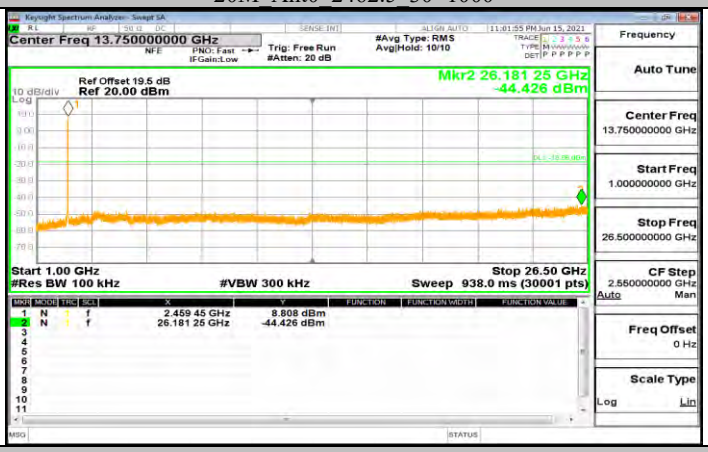
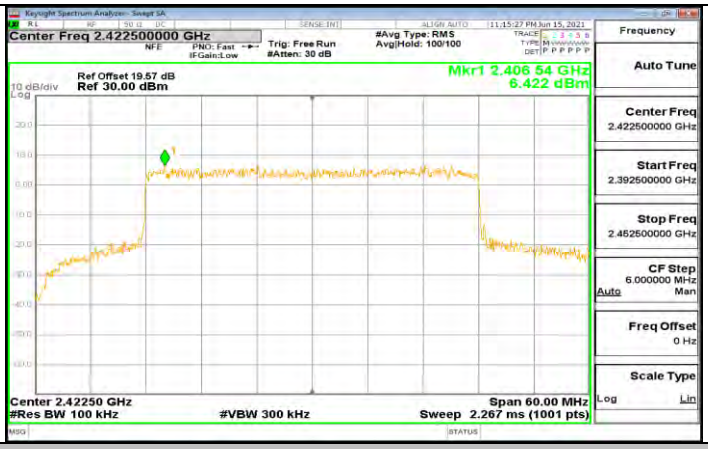
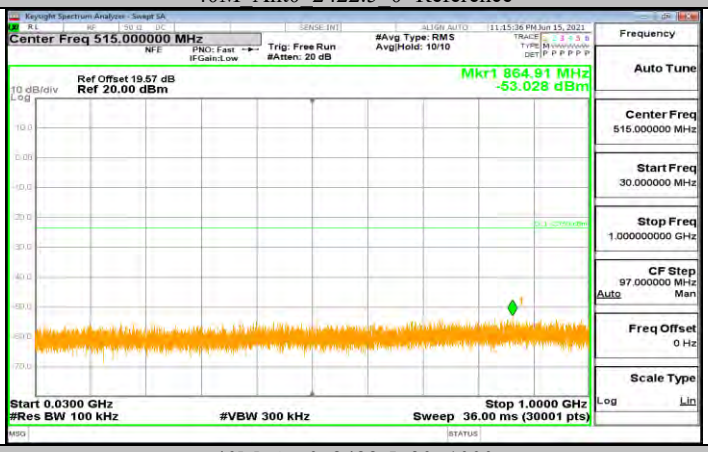


20M_Ant0_2462.5_1000~26500

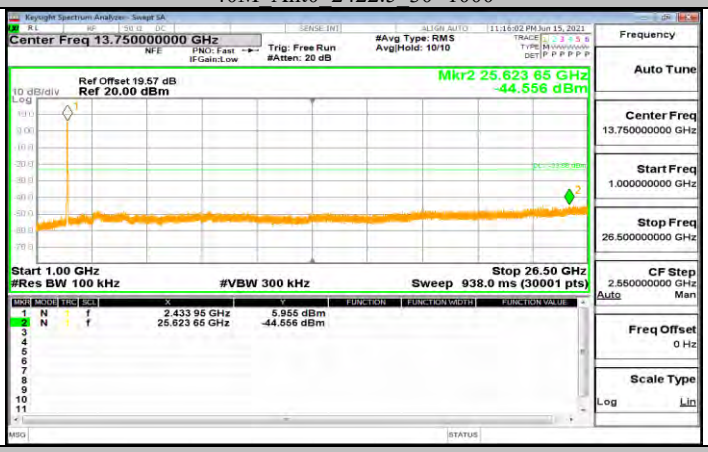
This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.



40M_Ant0_2422.5_0~Reference



40M_Ant0_2422.5_30~1000



40M_Ant0_2422.5_1000~26500

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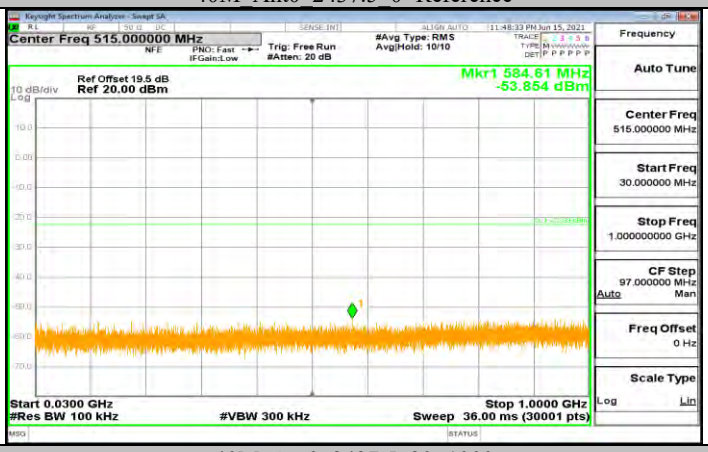
40M_Ant0_2437.5_0~Reference



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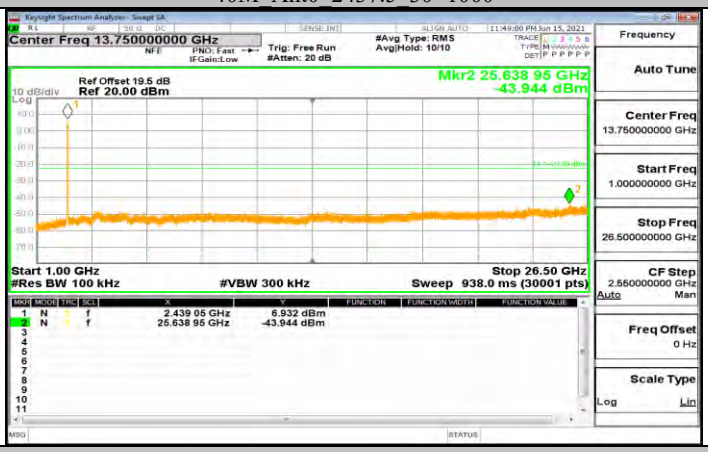

40M_Ant0_2437.5_1000~26500

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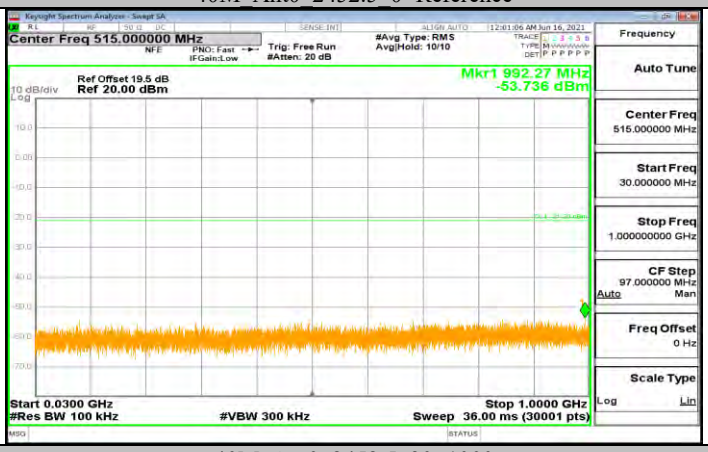
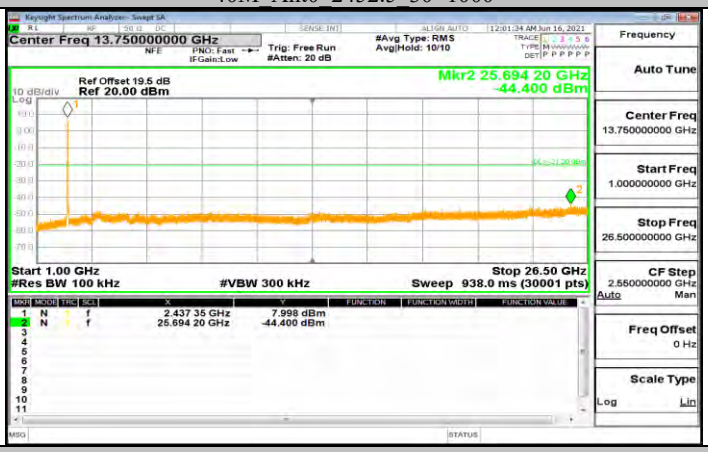
40M_Ant0_2452.5_0~Reference



40M_Ant0_2452.5_30~1000



40M_Ant0_2452.5_1000~26500

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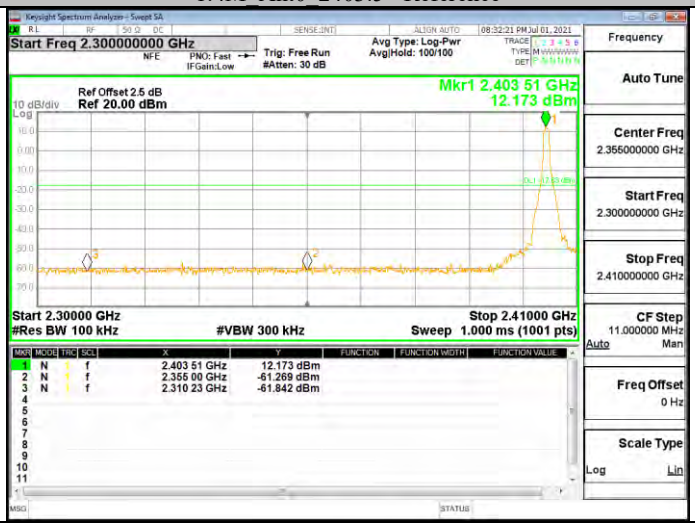
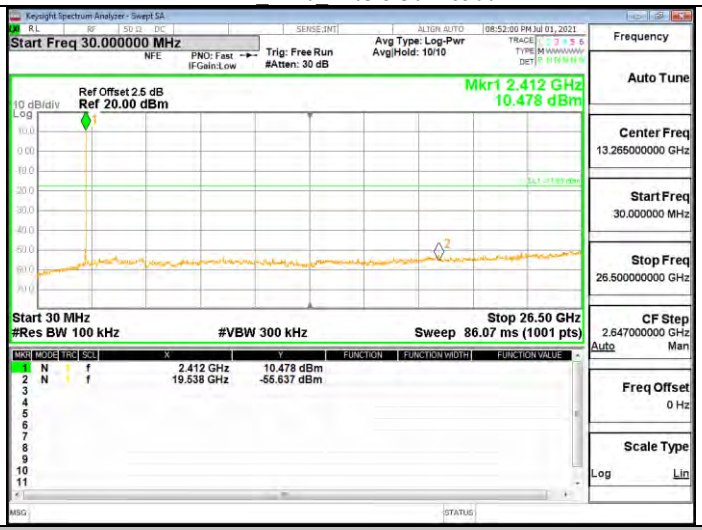
1.4M_Ant0_2403.5 ~Reference

1.4M_Ant0_2403.5 30~26500

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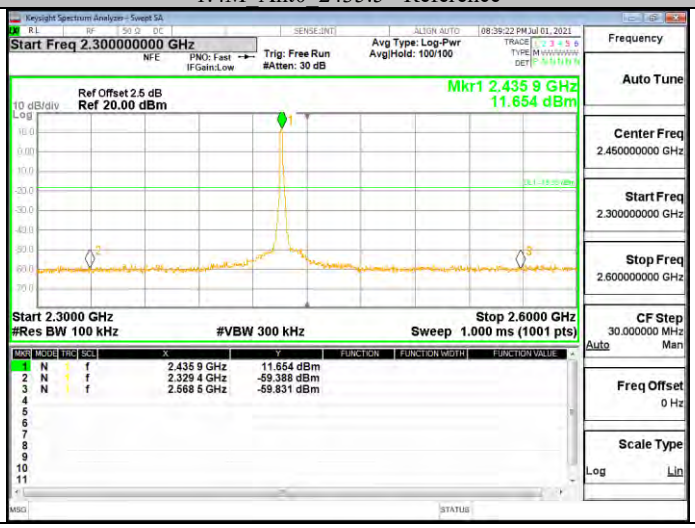

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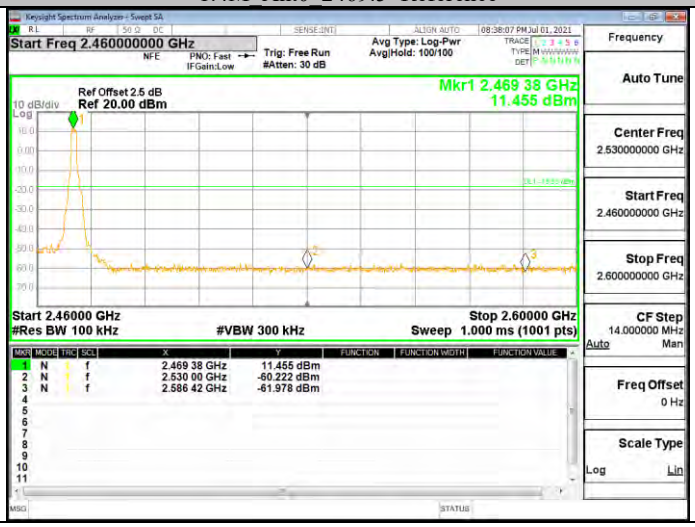
1.4M_Ant0_2435.5 30~26500
1.4M_Ant0_2469.5~Reference

1.4M_Ant0_2469.5 30~26500

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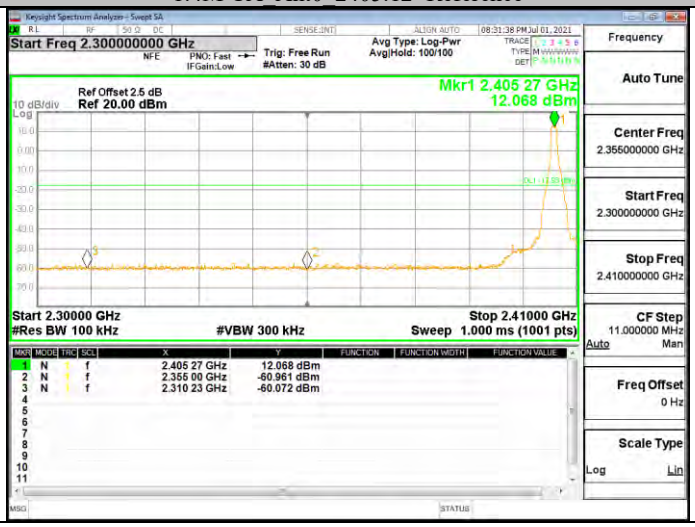
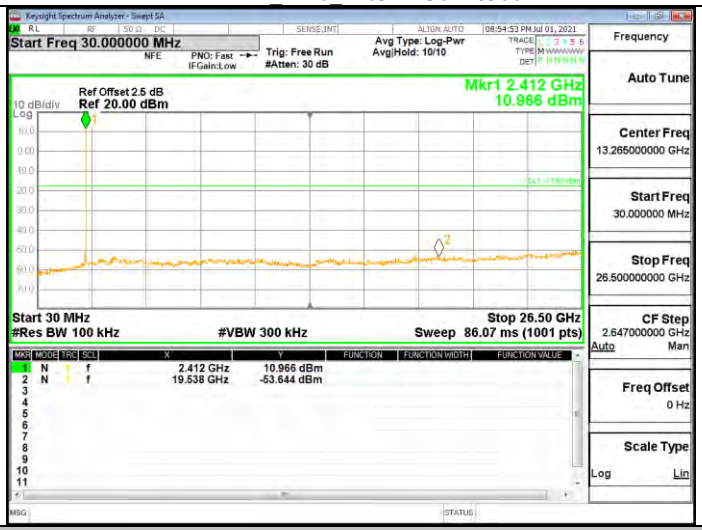
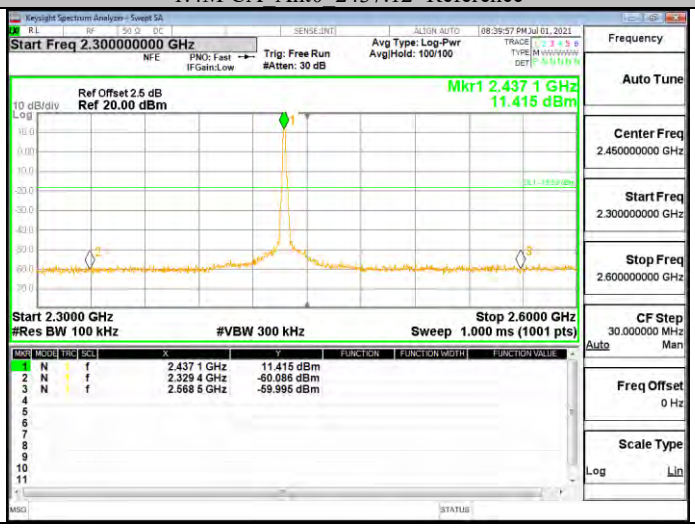
1.4M CA_Ant0_2405.12~Reference



1.4M CA_Ant0_2405.12 30~26500



1.4M CA_Ant0_2437.12~Reference



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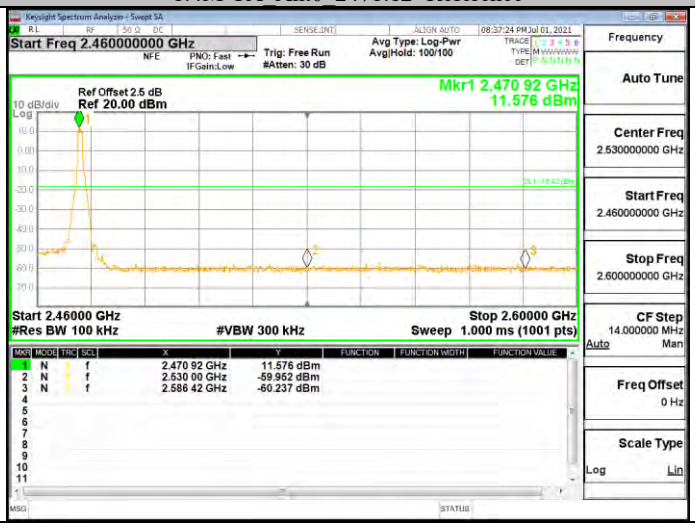
1.4M CA_Ant0_2437.12 30~26500
1.4M CA_Ant0_2471.12~Reference

1.4M CA_Ant0_2471.12 30~26500

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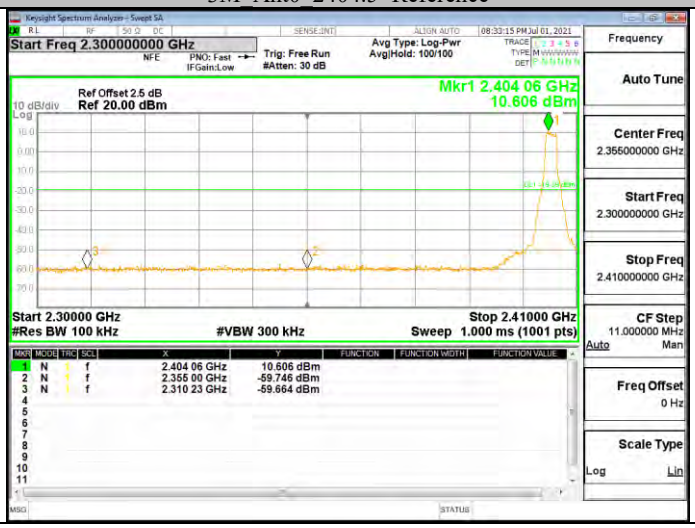
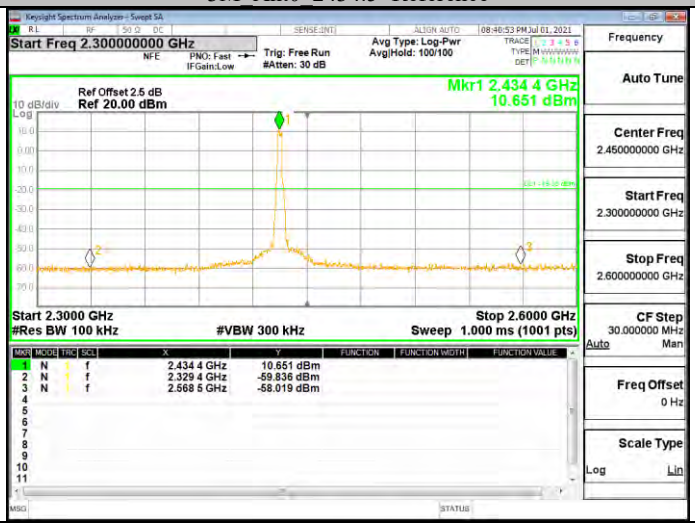
3M_Ant0_2404.5~Reference

3M_Ant0_2404.5 30~26500
3M_Ant0_2434.5~Reference


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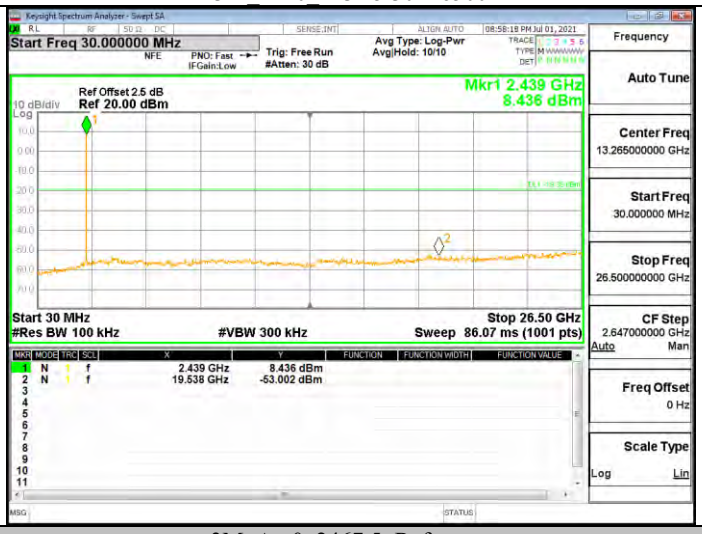
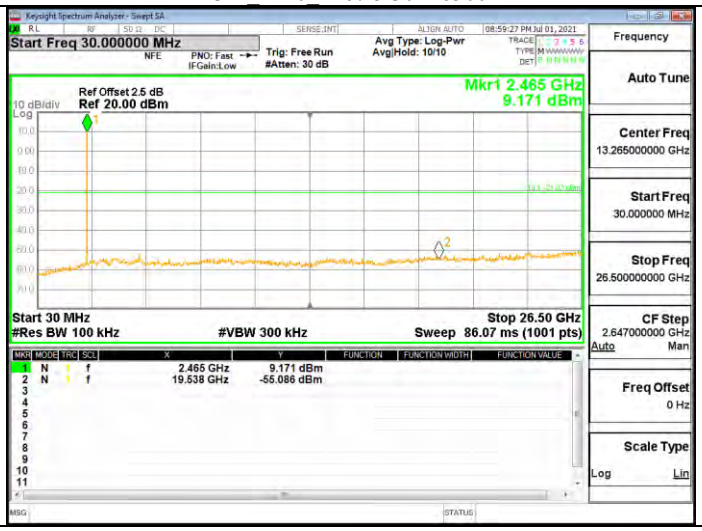
3M_Ant0_2434.5 30~26500

3M_Ant0_2467.5~Reference
3M_Ant0_2467.5 30~26500


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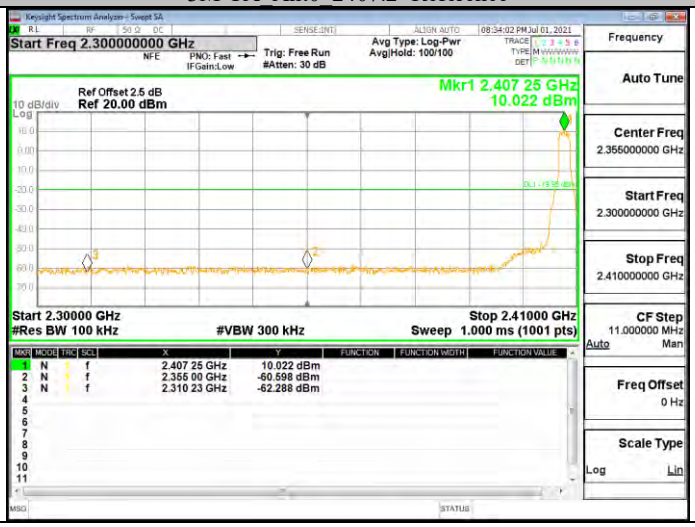
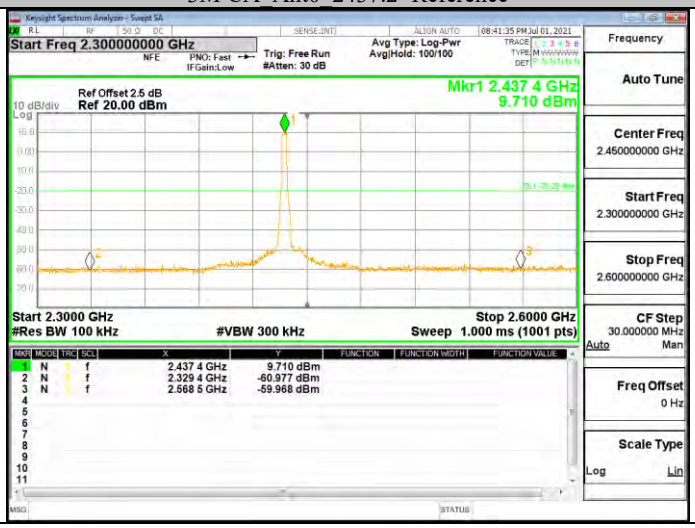
3M CA_Ant0_2407.2~Reference



3M CA_Ant0_2407.2 30~26500

3M CA_Ant0_2437.2~Reference



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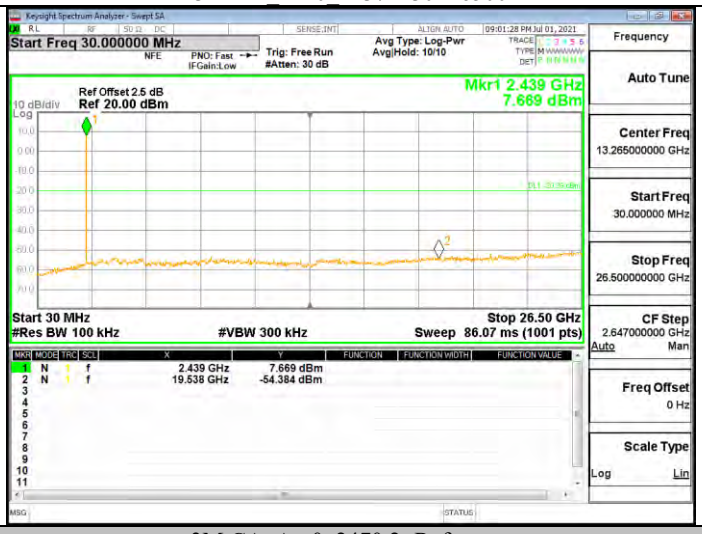
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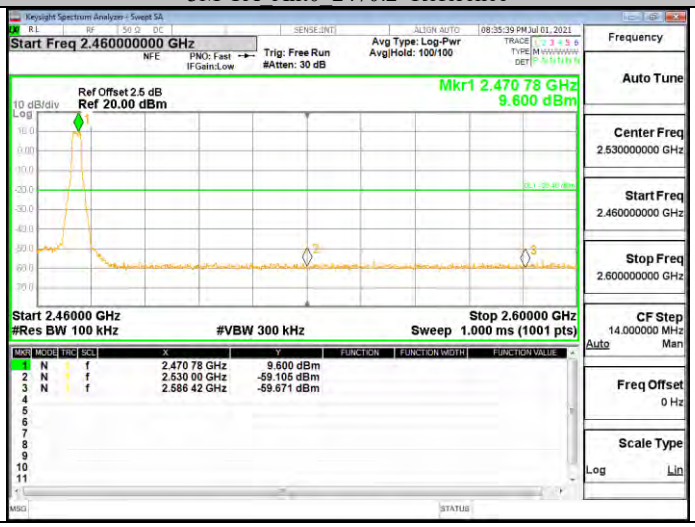
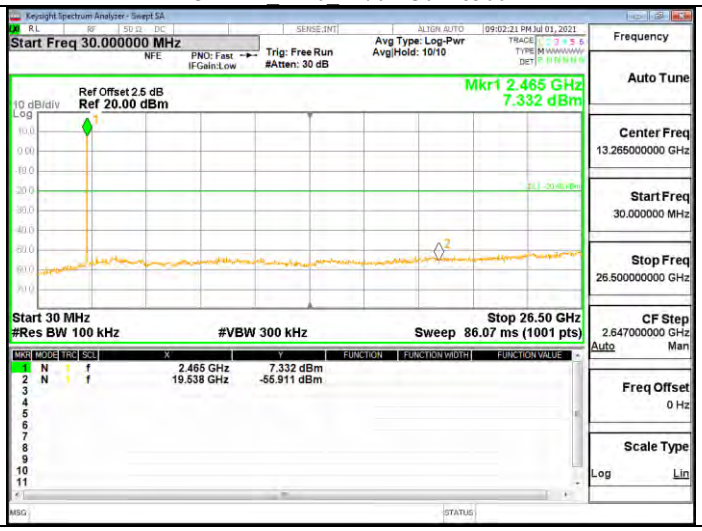

3M CA_Ant0_2470.2 30~26500


Note: All the modes had been tested, but only the worst data was recorded in the report.

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11.7. Appendix G: Duty Cycle

11.7.1.Test Result

Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
10M	100	100	1.0000	100.00	0.00	1.00	0.01
20M	100	100	1.0000	100.00	0.00	1.00	0.01
40M	100	100	1.0000	100.00	0.00	1.00	0.01
1.4M	100	100	1.0000	100.00	0.00	1.00	0.01
1.4M CA	100	100	1.0000	100.00	0.00	1.00	0.01
3M	100	100	1.0000	100.00	0.00	1.00	0.01
3M CA	100	100	1.0000	100.00	0.00	1.00	0.01

Note:
Duty Cycle Correction Factor=10log (1/x).
Where: x is Duty Cycle (Linear)
Where: T is On Time
If that calculated VBW is not available on the analyzer then the next higher value should be used.

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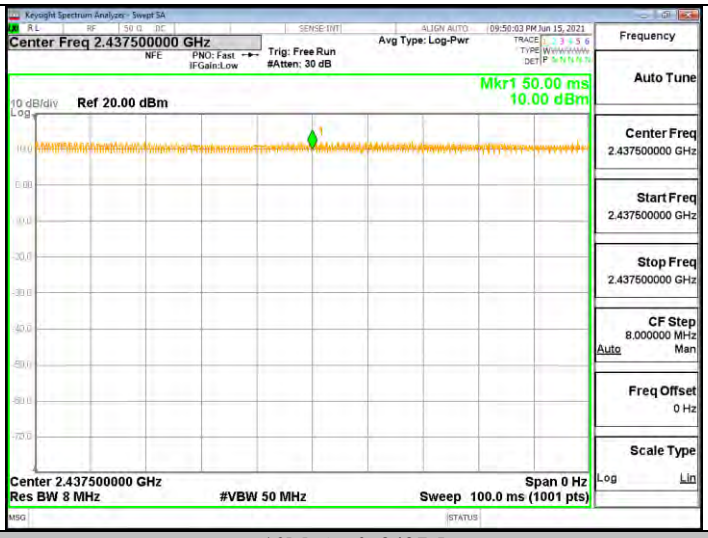
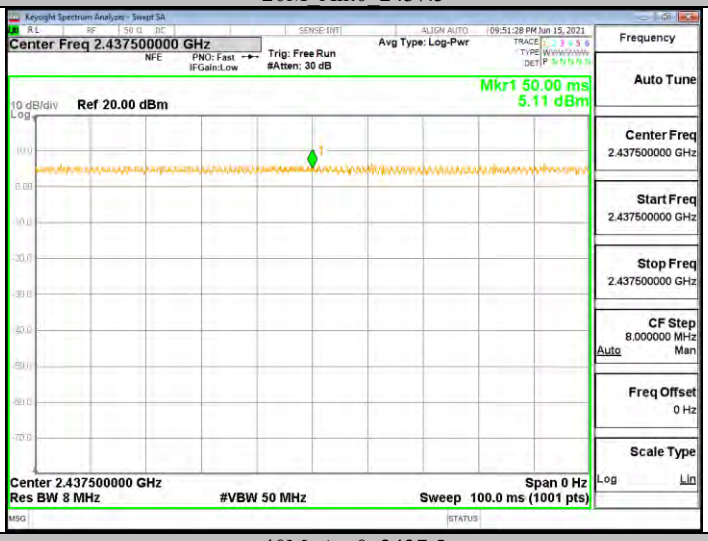
11.7.2.Test Graphs



10M_Ant0_2437.5

20M_Ant0_2437.5



40M_Ant0_2437.5

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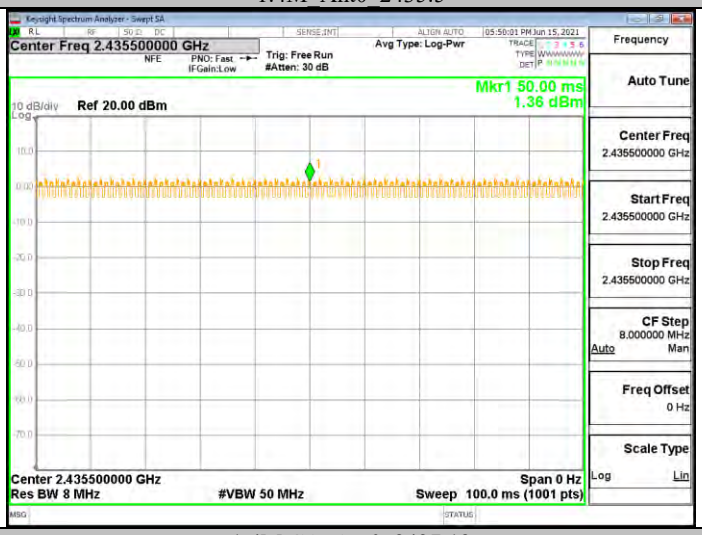
1.4M_Ant0_2435.5

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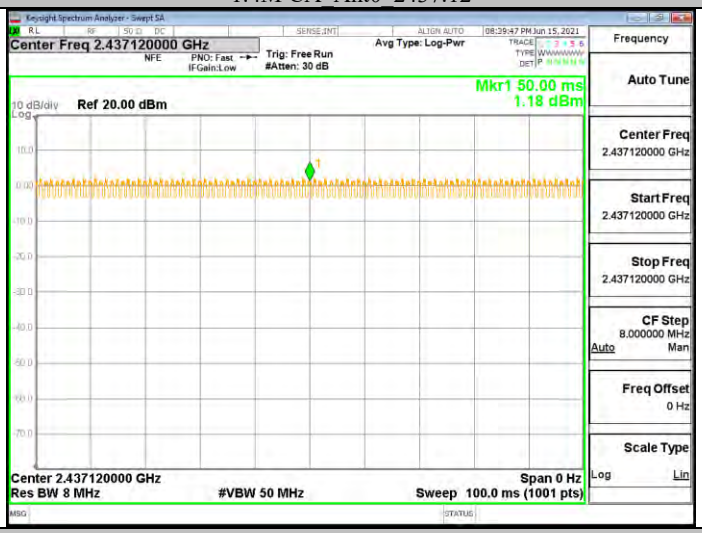
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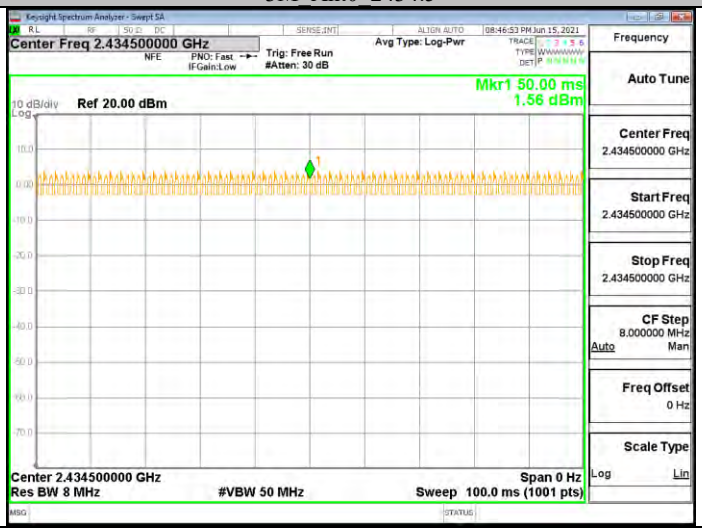

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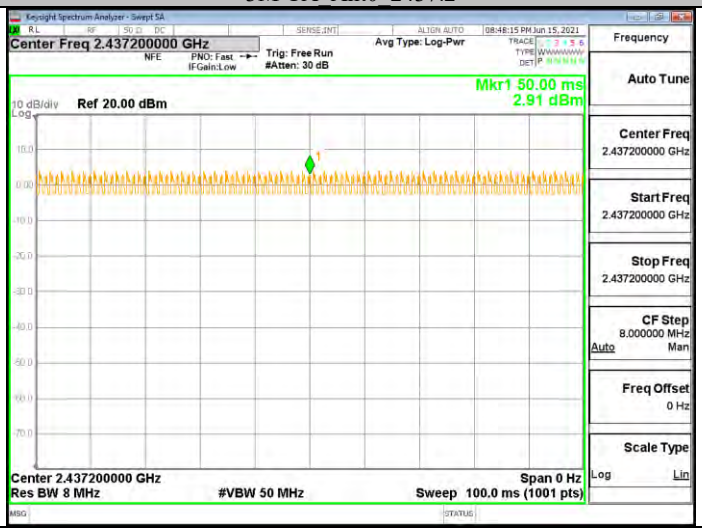
3M CA_Ant0_2437.2


END OF REPORT

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