

Appendix Test Data

Report No.:	18220WC30104102	Test Sample No.:	1-2-2
Start Test Date:	2023.05.31	Finish Test Date:	2023.06.12
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	26.0°C	Relative Humidity:	49%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2404	0.664	2403.672	2404.336	0.5	PASS
		2440	0.684	2439.652	2440.336	0.5	PASS
		2474	0.692	2473.644	2474.336	0.5	PASS



Test Graphs

2.4G_Ant1_2404



2.4G_Ant1_2440



2.4G_Ant1_2474

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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4G	Ant1	2404	1.0330	2403.4962	2404.5292
		2440	1.0214	2439.4971	2440.5185
		2474	1.0286	2473.4976	2474.5262



Test Graphs

2.4G_Ant1_2404



2.4G_Ant1_2440



2.4G_Ant1_2474

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Appendix C: Maximum conducted output power

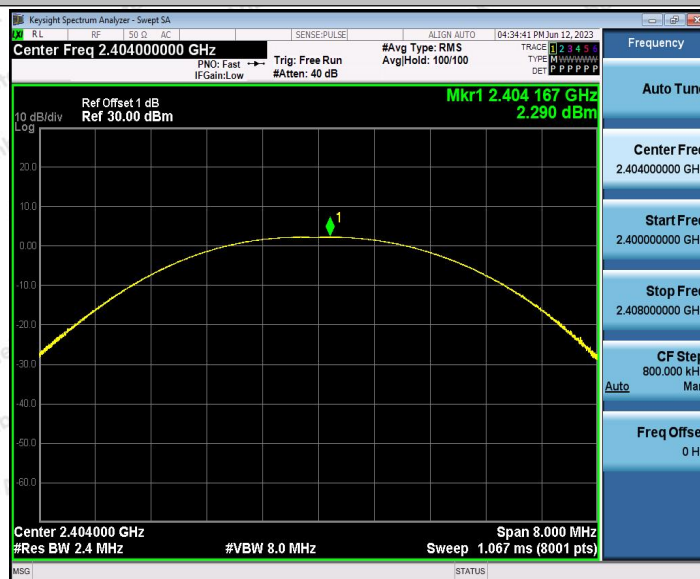
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2404	2.29	≤30	PASS
		2440	2.07	≤30	PASS
		2474	1.51	≤30	PASS

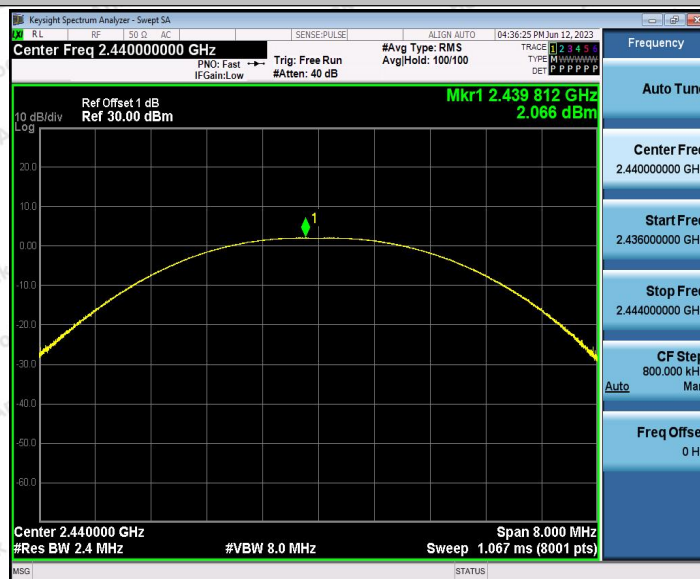


Test Graphs Peak

2.4G_Ant1_2404



2.4G_Ant1_2440



2.4G_Ant1_2474

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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2404	-12.91	≤8.00	PASS
		2440	-12.85	≤8.00	PASS
		2474	-13.39	≤8.00	PASS

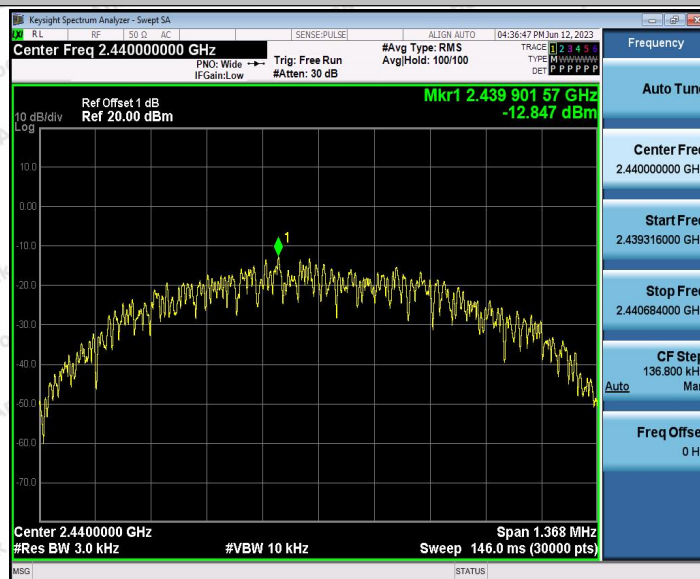


Test Graphs

2.4G_Ant1_2404



2.4G_Ant1_2440



2.4G_Ant1_2474

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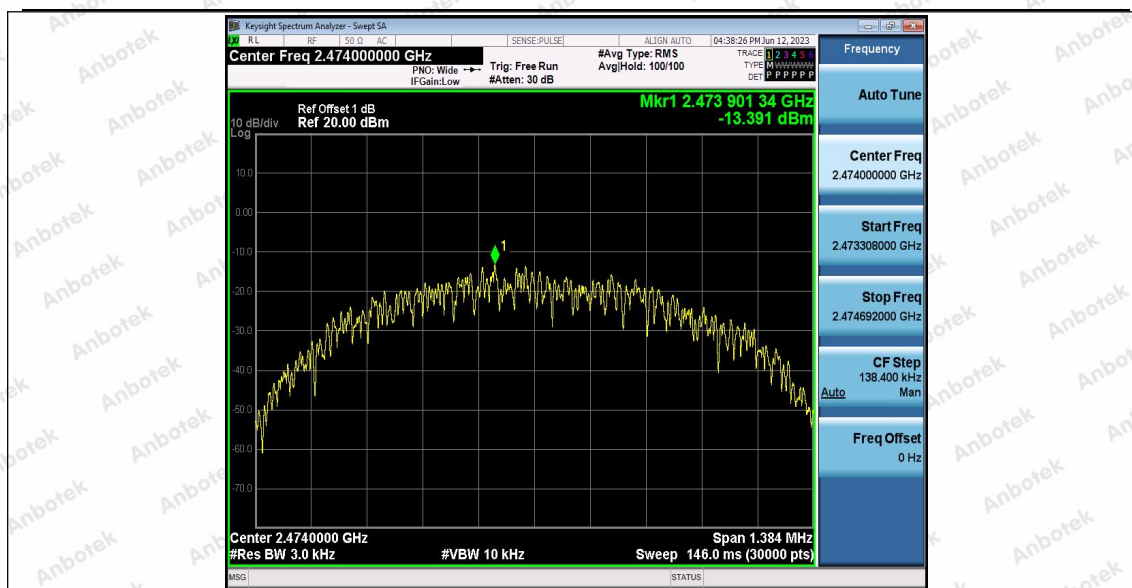


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Appendix E: Band edge measurements

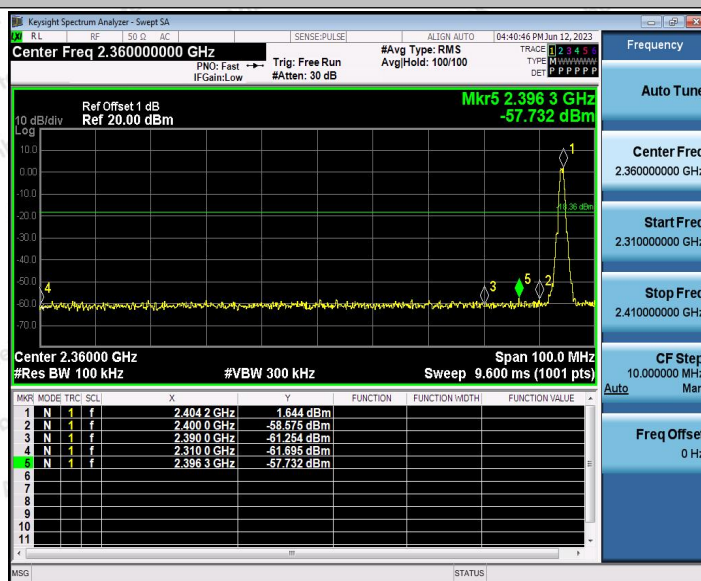
Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2404	1.64	-57.73	≤-18.36	PASS
		High	2474	0.85	-56.57	≤-19.15	PASS

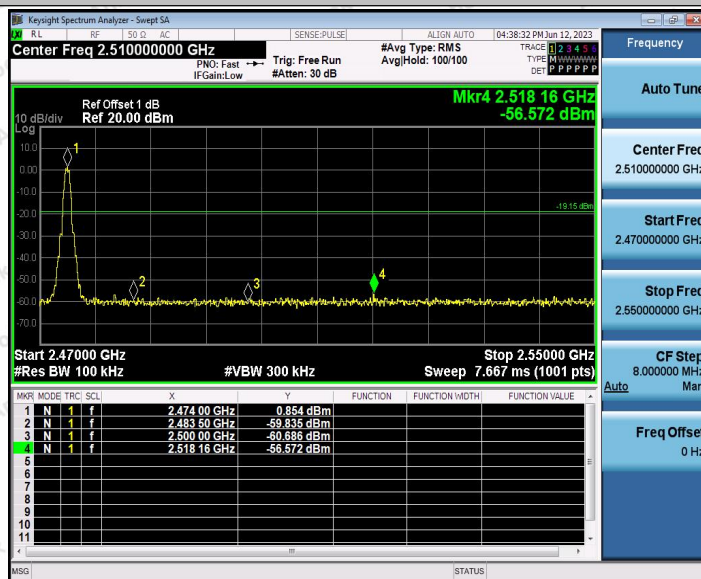


Test Graphs

2.4G_Ant1_Low_2404



2.4G_Ant1_High_2474



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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2404	Reference	0.61	0.61	---	PASS
			30~1000	0.61	-69.33	≤-19.39	PASS
			1000~26500	0.61	-53.57	≤-19.39	PASS
		2440	Reference	0.97	0.97	---	PASS
			30~1000	0.97	-68.92	≤-19.03	PASS
			1000~26500	0.97	-53.96	≤-19.03	PASS
		2474	Reference	0.08	0.08	---	PASS
			30~1000	0.08	-68.51	≤-19.92	PASS
			1000~26500	0.08	-53.9	≤-19.92	PASS

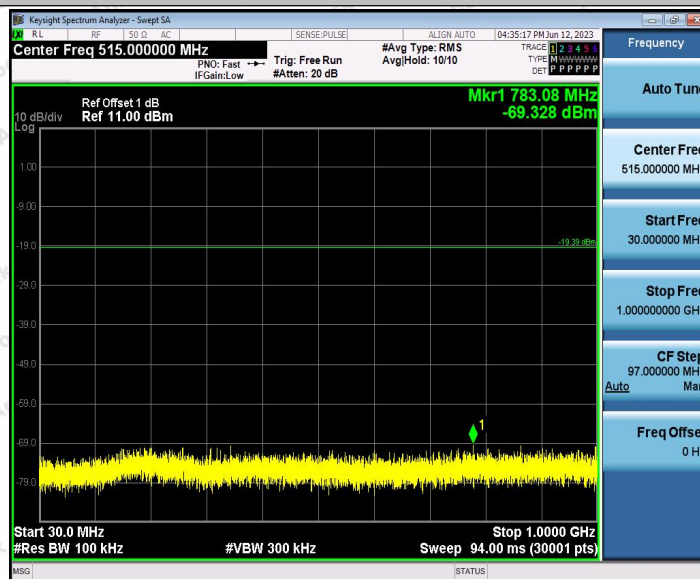


Test Graphs

2.4G_Ant1_2404_0~Reference



2.4G_Ant1_2404_30~1000



2.4G_Ant1_2404_1000~26500

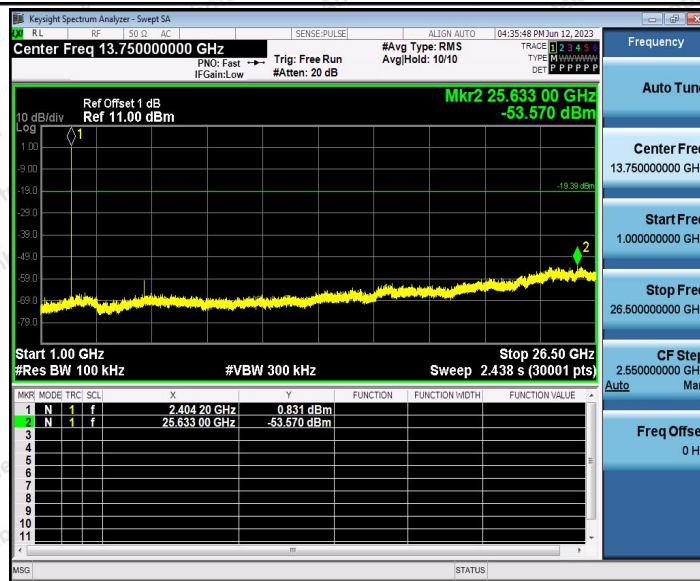
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2.4G_Ant1_2440_0~Reference



2.4G_Ant1_2440_30~1000

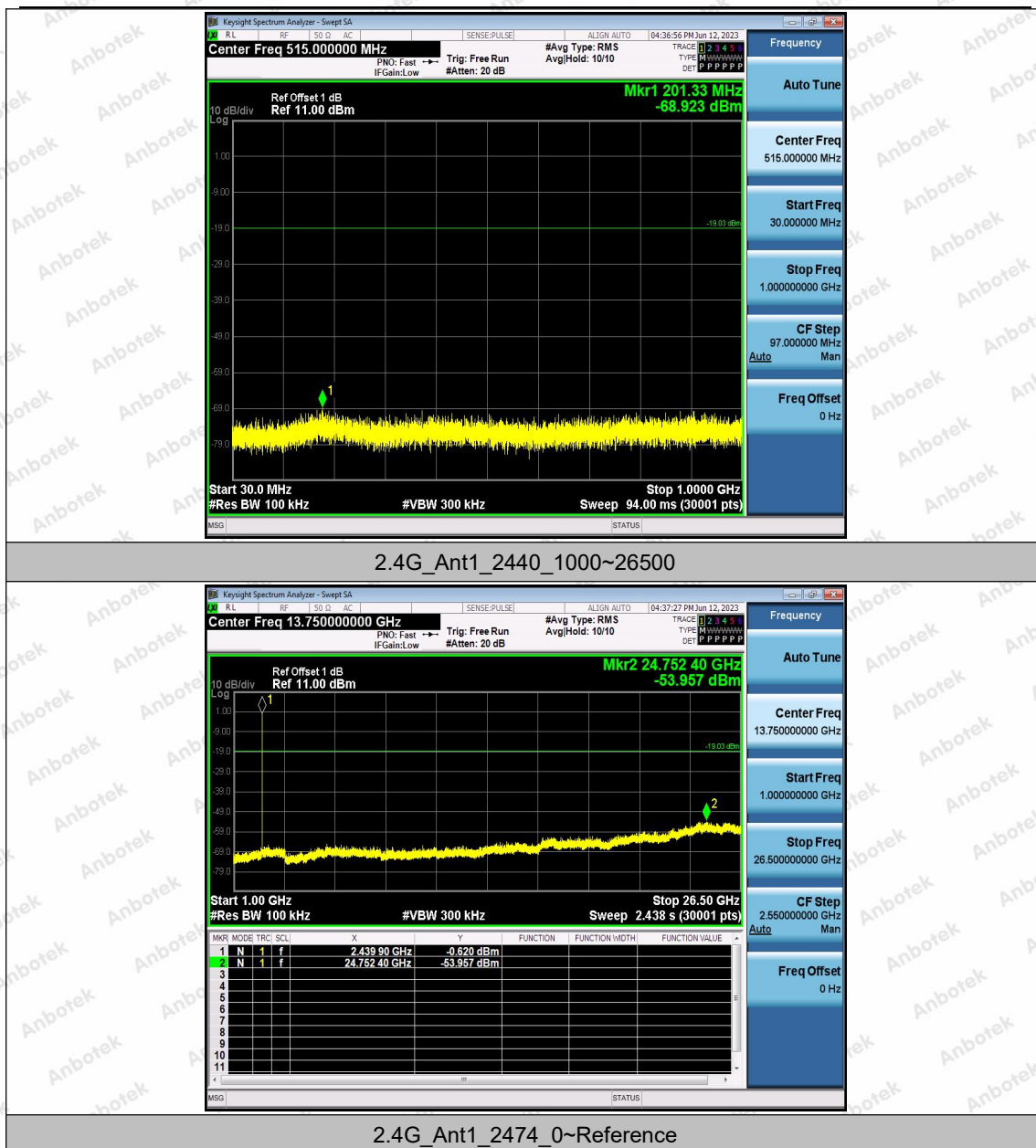
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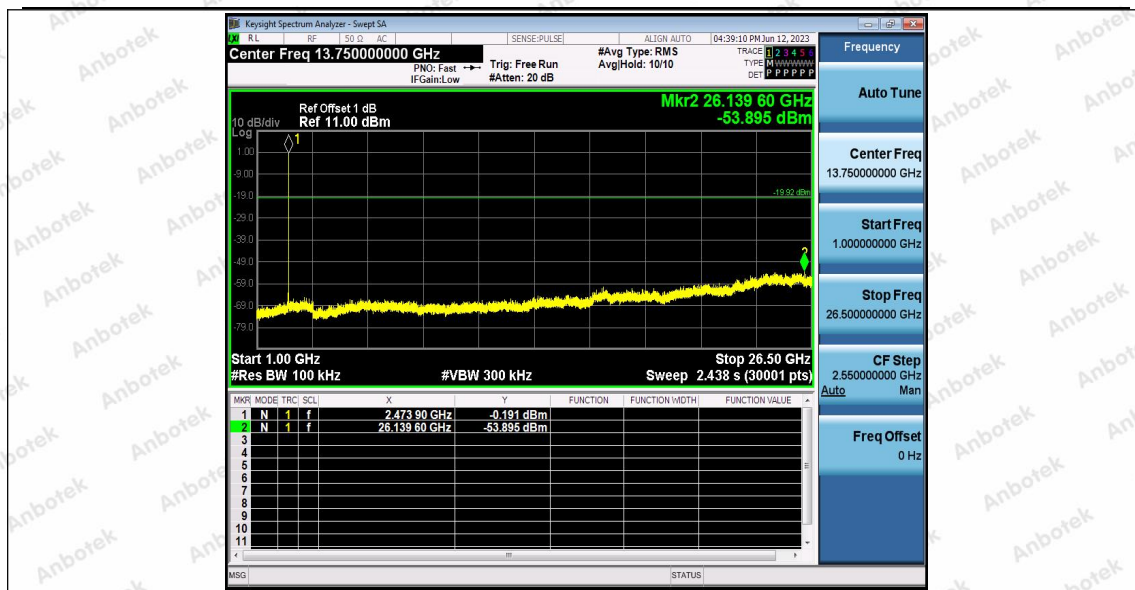
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Appendix G: Duty Cycle

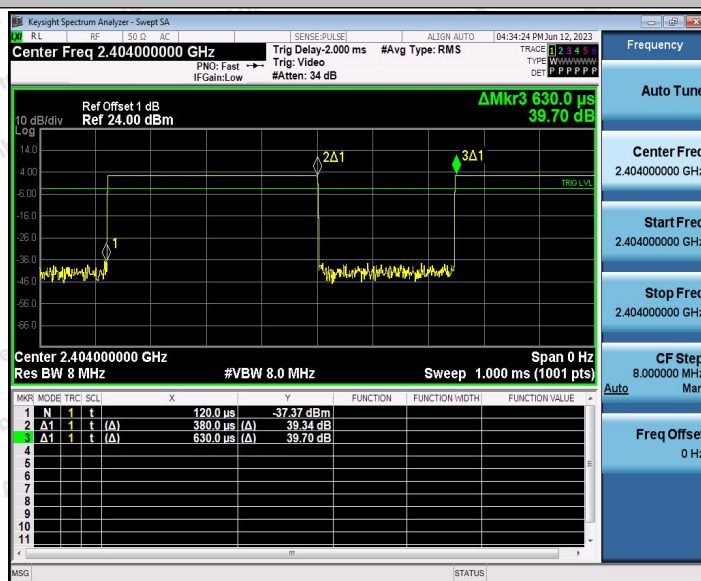
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2404	0.38	0.63	60.32	2.20
		2440	0.38	0.63	60.32	2.20
		2474	0.38	0.63	60.32	2.20

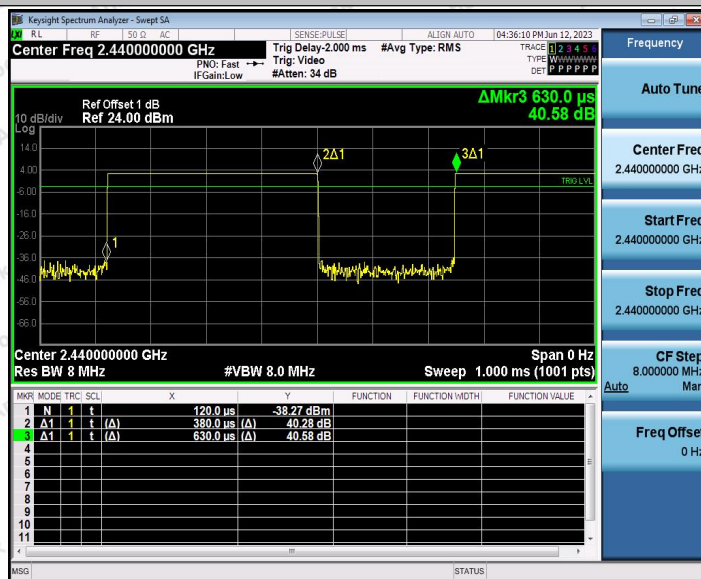


Test Graphs

2.4G_Ant1_2404

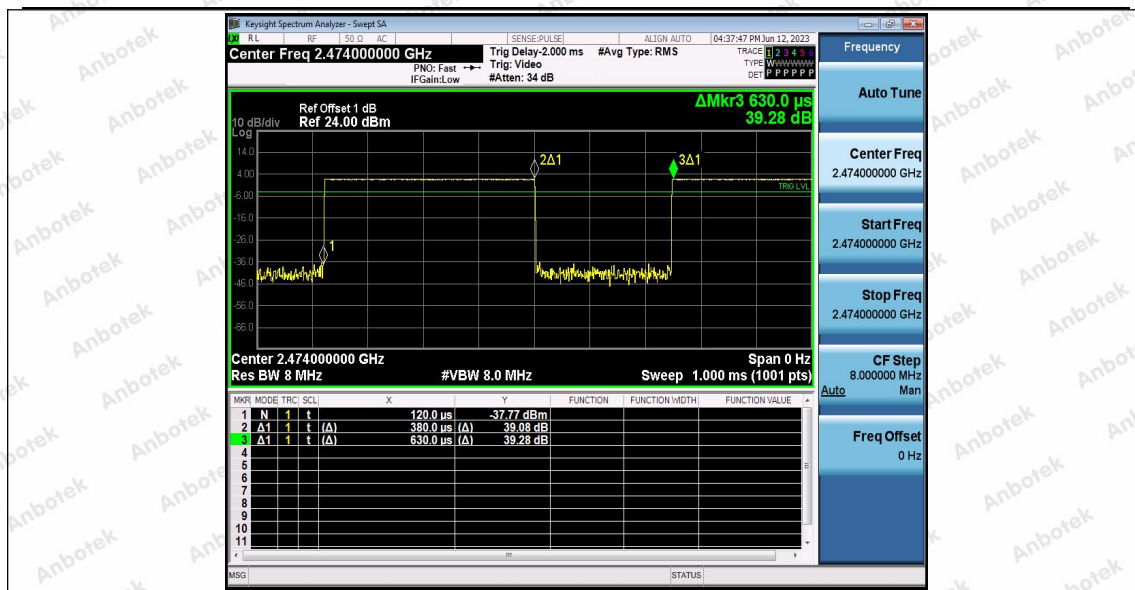


2.4G_Ant1_2440



2.4G_Ant1_2474





---End---

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