

Appendix Test Data

Report No.:	18220WC30104502	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:	26.1℃	Relative Humidity:	49%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2404	0.680	2403.652	2404.332	0.5	PASS
		2440	0.684	2439.648	2440.332	0.5	PASS
		2474	0.692	2473.652	2474.344	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

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4G	Ant1	2404	1.0294	2403.4961	2404.5255
		2440	1.0284	2439.4977	2440.5261
		2474	1.0286	2473.4958	2474.5244



Test Graphs

2.4G_Ant1_2404



2.4G_Ant1_2440



2.4G_Ant1_2474

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Appendix C: Maximum conducted output power

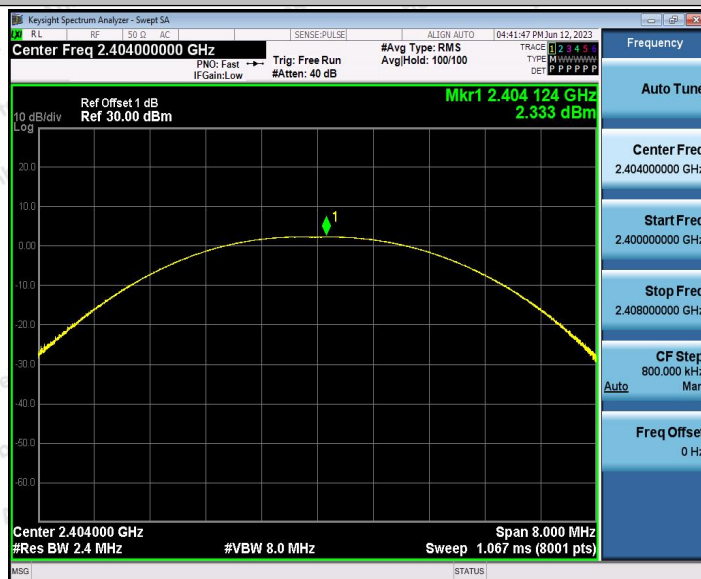
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2404	2.33	≤30	PASS
		2440	2.30	≤30	PASS
		2474	1.77	≤30	PASS

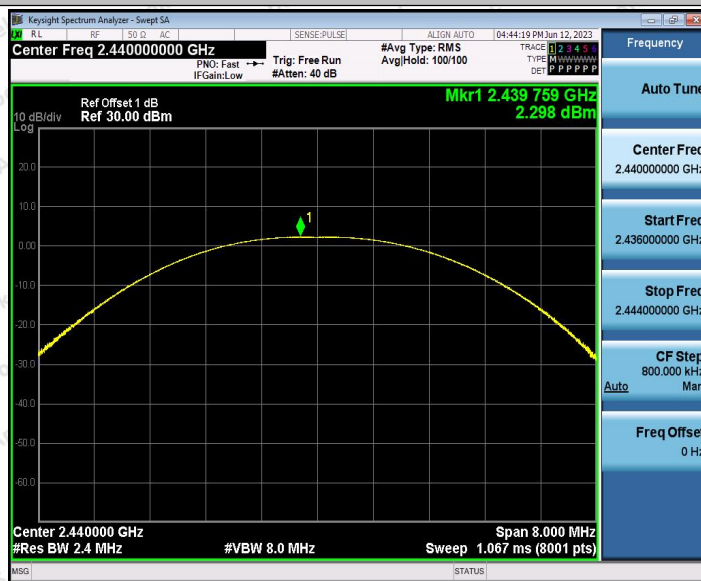


Test Graphs Peak

2.4G_Ant1_2404



2.4G_Ant1_2440



2.4G_Ant1_2474

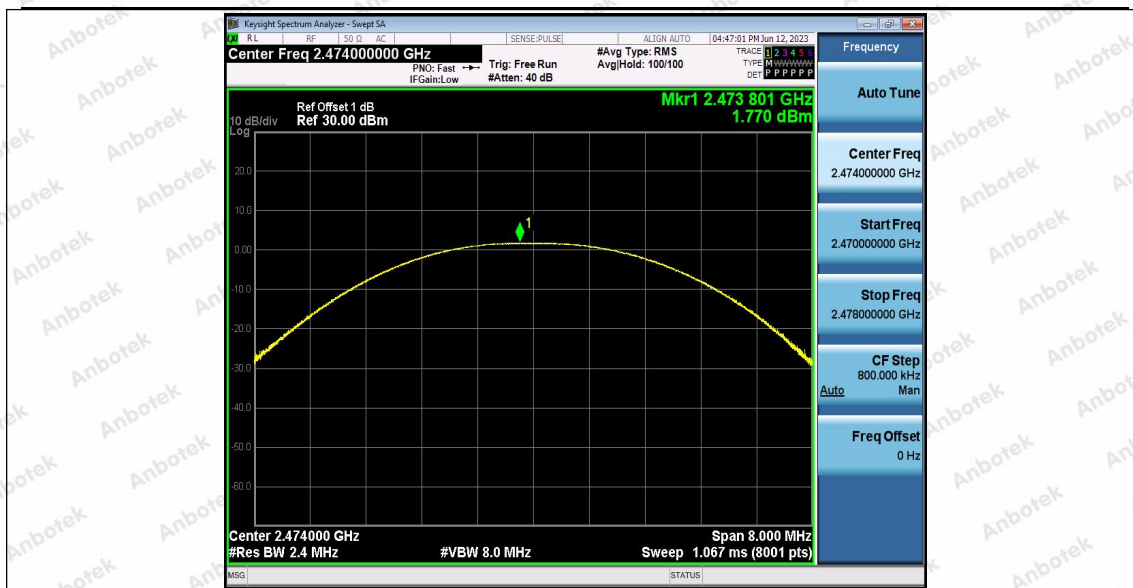
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Appendix D: Maximum power spectral density

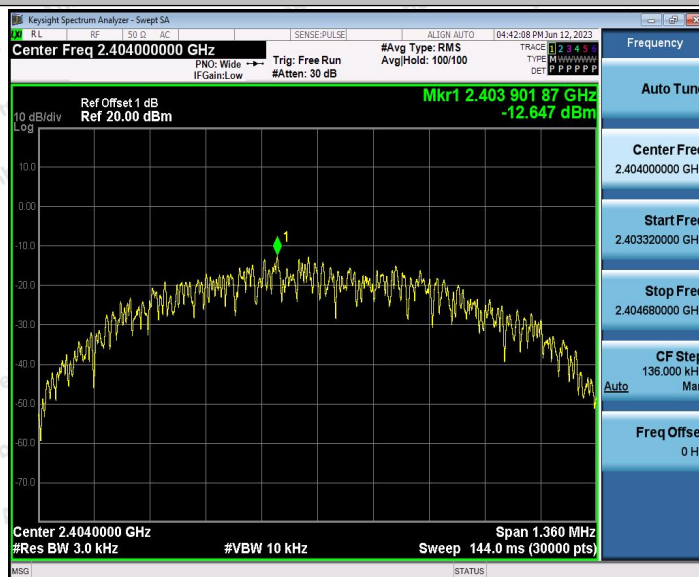
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2404	-12.65	≤8.00	PASS
		2440	-12.78	≤8.00	PASS
		2474	-13.39	≤8.00	PASS



Test Graphs

2.4G_Ant1_2404



2.4G_Ant1_2440



2.4G_Ant1_2474

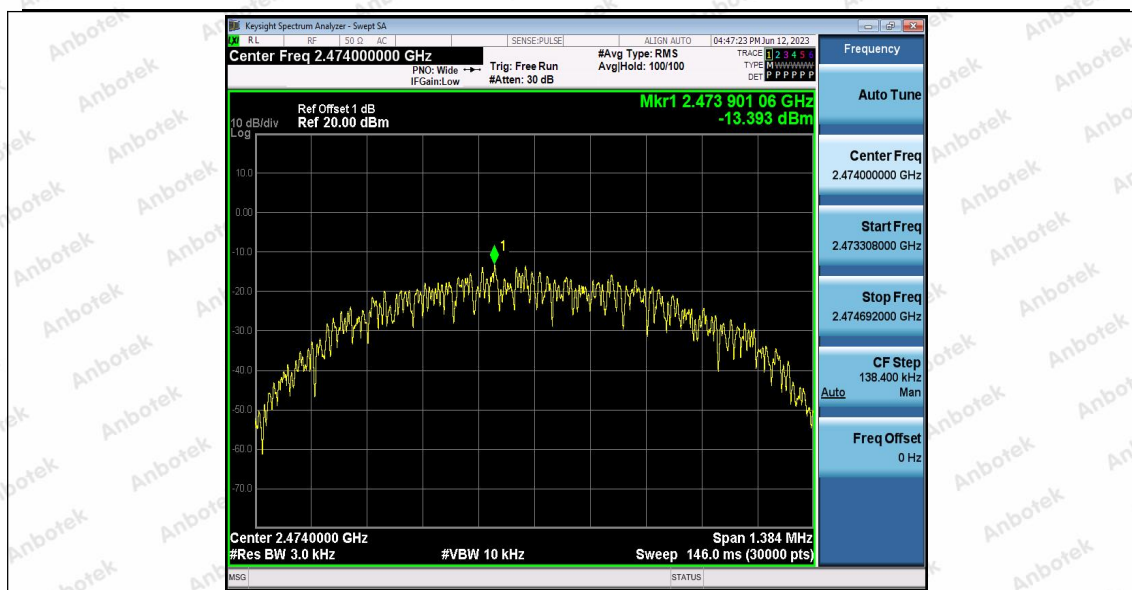
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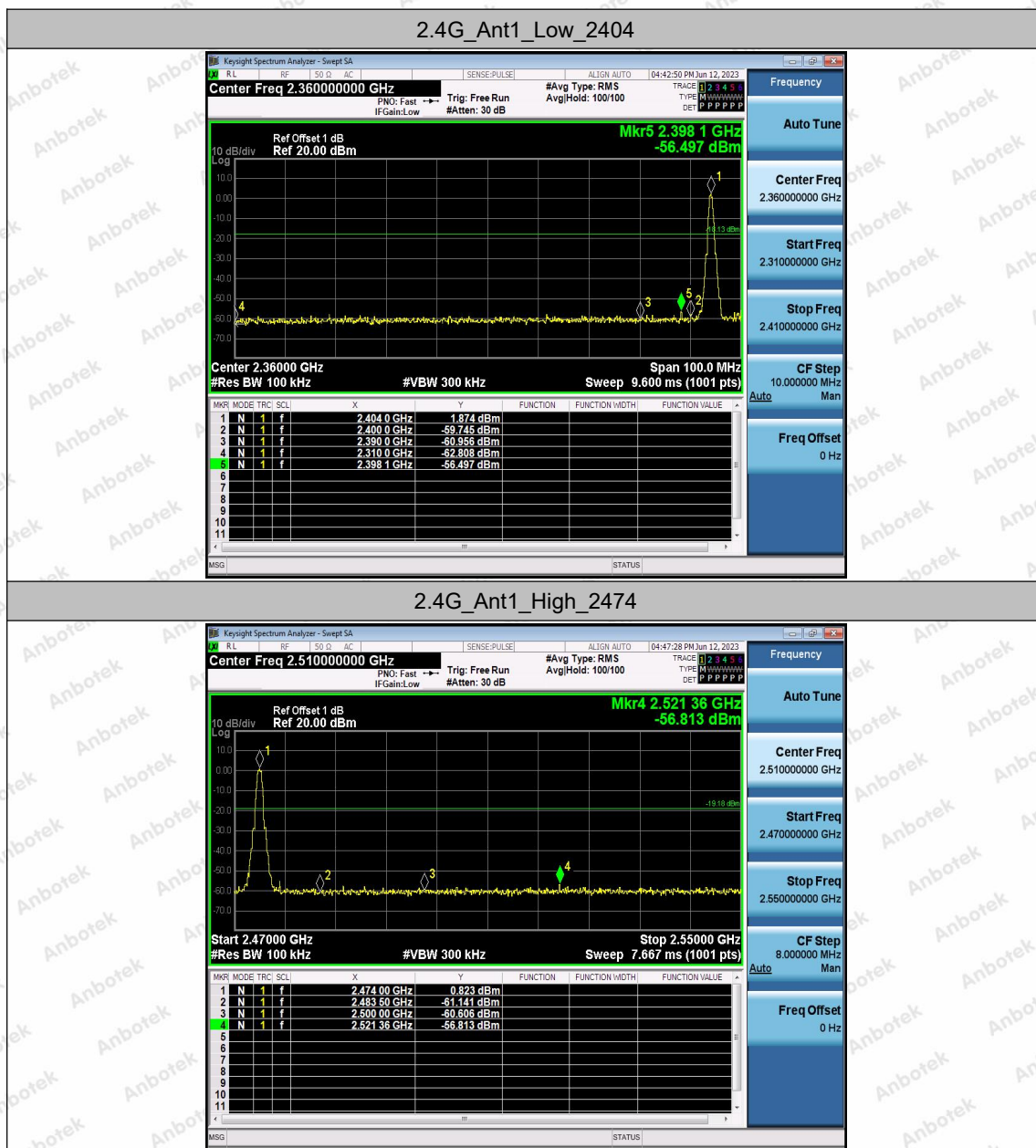


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2404	1.87	-56.50	≤-18.13	PASS
		High	2474	0.82	-56.81	≤-19.18	PASS

Test Graphs



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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	0.05	0.05	---	PASS
			30~1000	0.05	-69.63	≤-19.95	PASS
			1000~26500	0.05	-53.45	≤-19.95	PASS
		2440	Reference	1.23	1.23	---	PASS
			30~1000	1.23	-69.73	≤-18.77	PASS
			1000~26500	1.23	-53.72	≤-18.77	PASS
		2474	Reference	0.64	0.64	---	PASS
			30~1000	0.64	-69.00	≤-19.36	PASS
			1000~26500	0.64	-53.02	≤-19.36	PASS

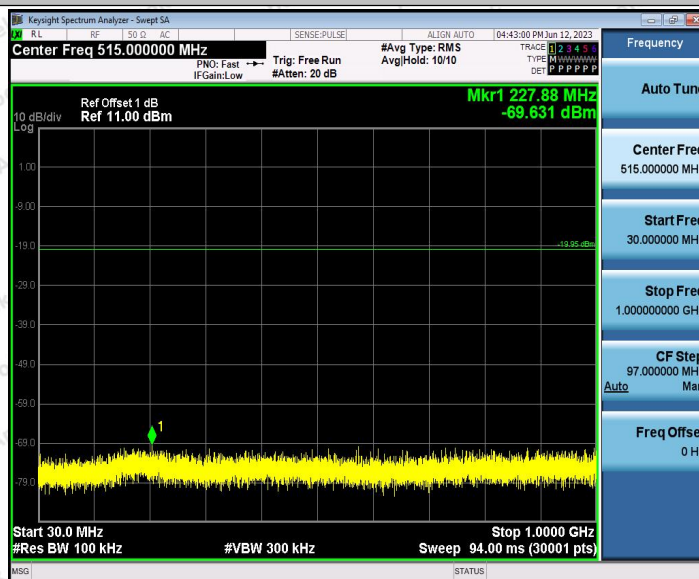


Test Graphs

2.4G_Ant1_2404_0~Reference



2.4G_Ant1_2404_30~1000



2.4G_Ant1_2404_1000~26500

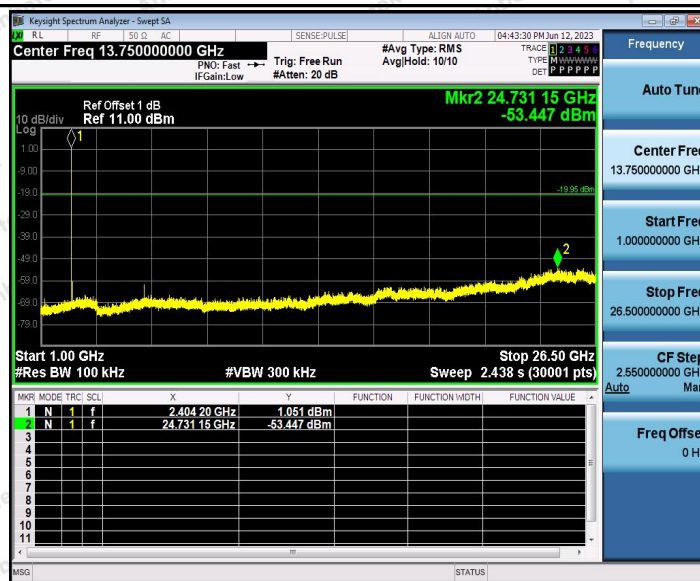
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2.4G_Ant1_2440_0~Reference



2.4G_Ant1_2440_30~1000



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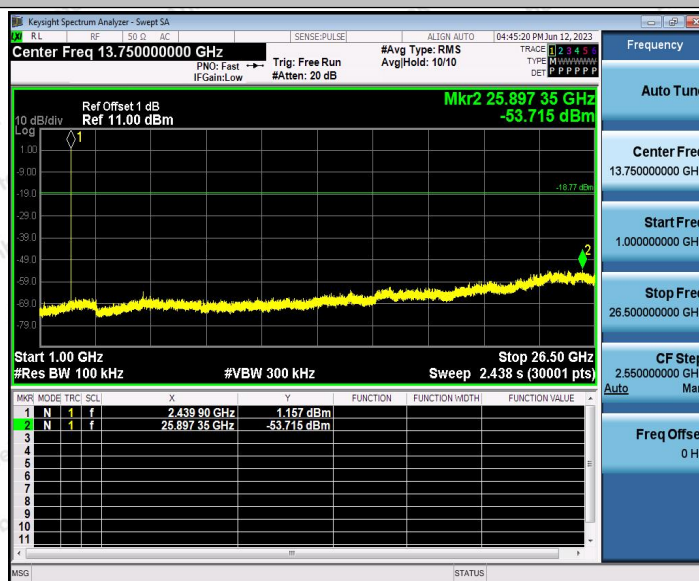
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2.4G_Ant1_2440_1000~26500



2.4G_Ant1_2474_0~Reference



2.4G_Ant1_2474_30~1000

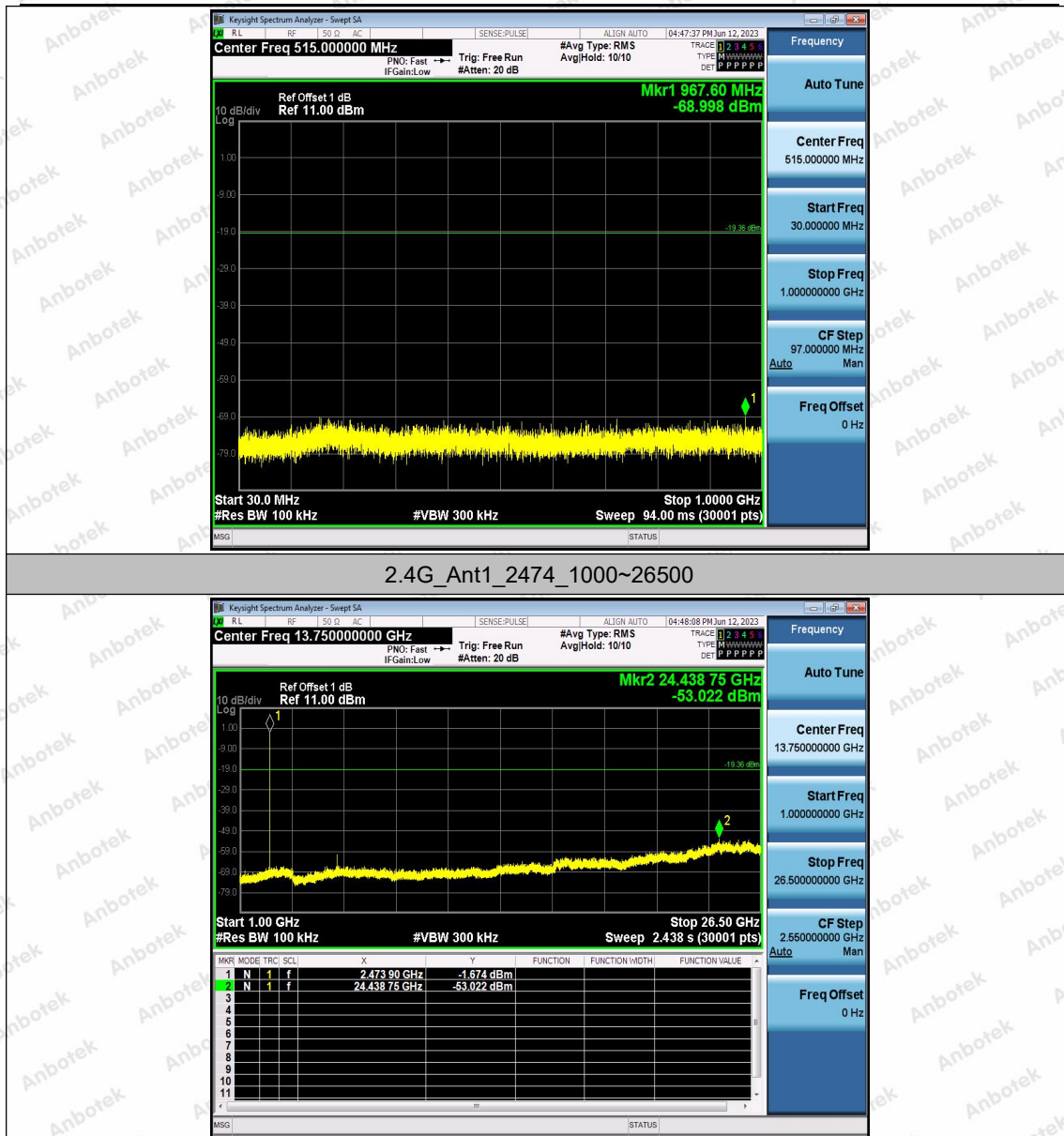
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Appendix G: Duty Cycle

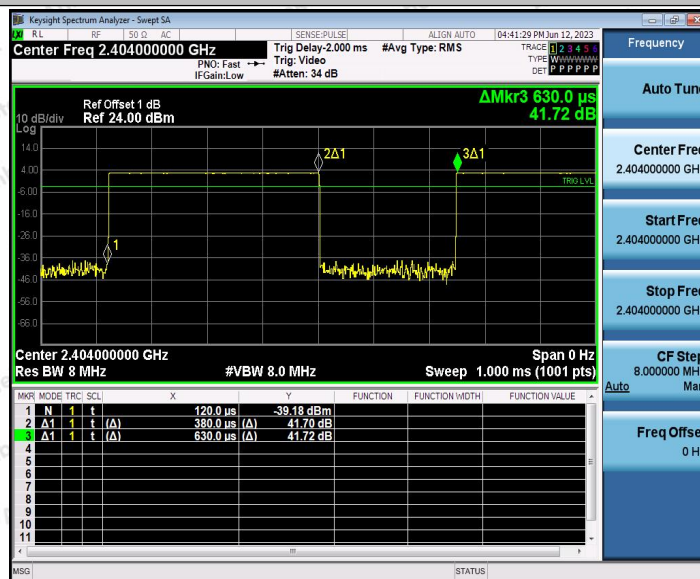
Test Result

Test Mode	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

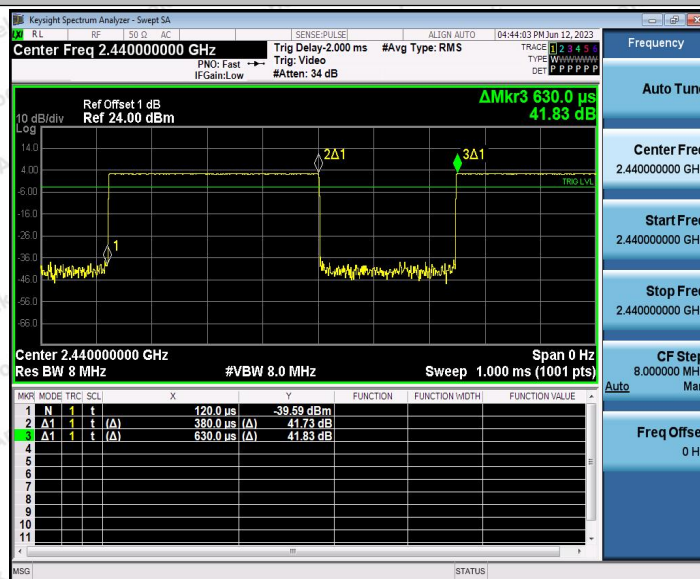


Test Graphs

2.4G_Ant1_2404



2.4G_Ant1_2440



2.4G_Ant1_2474

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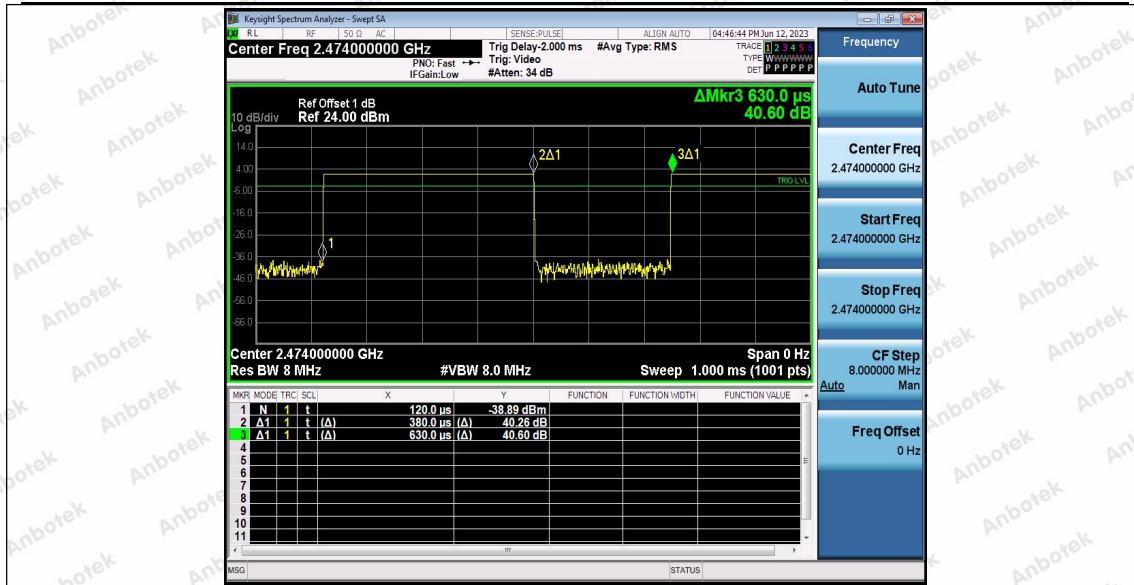


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