

Appendix Test Data

Report No.:	18220WC30263602	Test Sample No.:	1-2-2
Start Test Date:	2024.1.10	Finish Test Date:	2024.1.10
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.3°C	Relative Humidity:	46%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	0.632	2401.712	2402.344	0.5	PASS
		2440	0.652	2439.684	2440.336	0.5	PASS
		2479	0.648	2478.688	2479.336	0.5	PASS

Test Graphs



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2.4G_Ant1_2440



2.4G_Ant1_2479



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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4G	Ant1	2402	1.1138	2401.4557	2402.5695
		2440	1.1227	2439.4285	2440.5512
		2479	1.2090	2478.3452	2479.5542

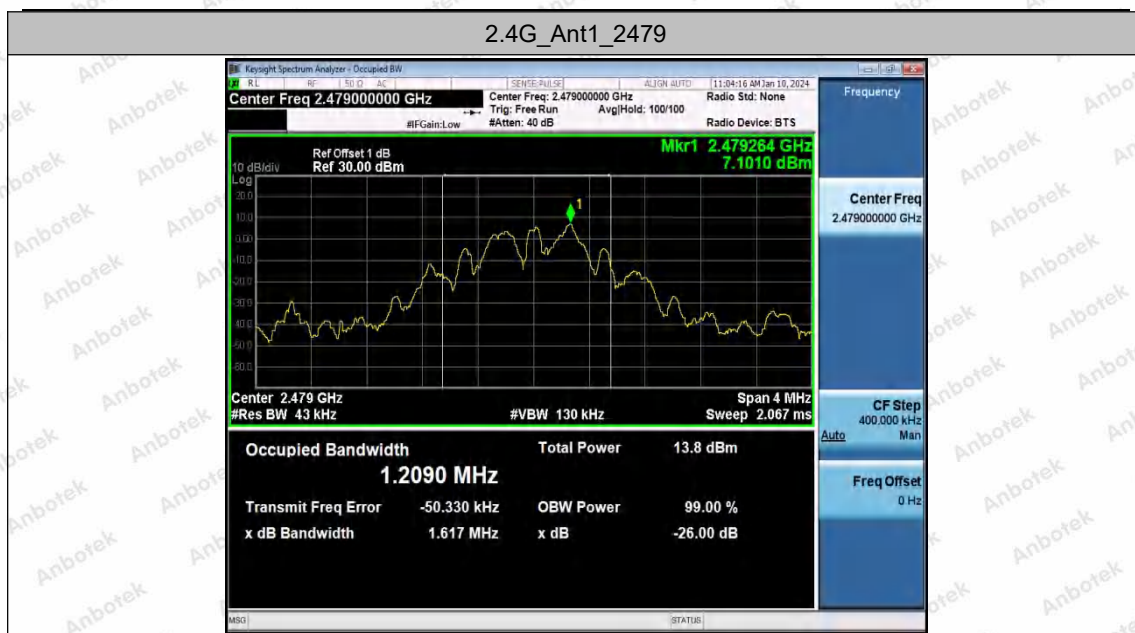
Test Graphs

2.4G_Ant1_2402



2.4G_Ant1_2440



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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	2402	9.32	≤30	PASS
		2440	9.32	≤30	PASS
		2479	8.29	≤30	PASS

Test Graphs Peak



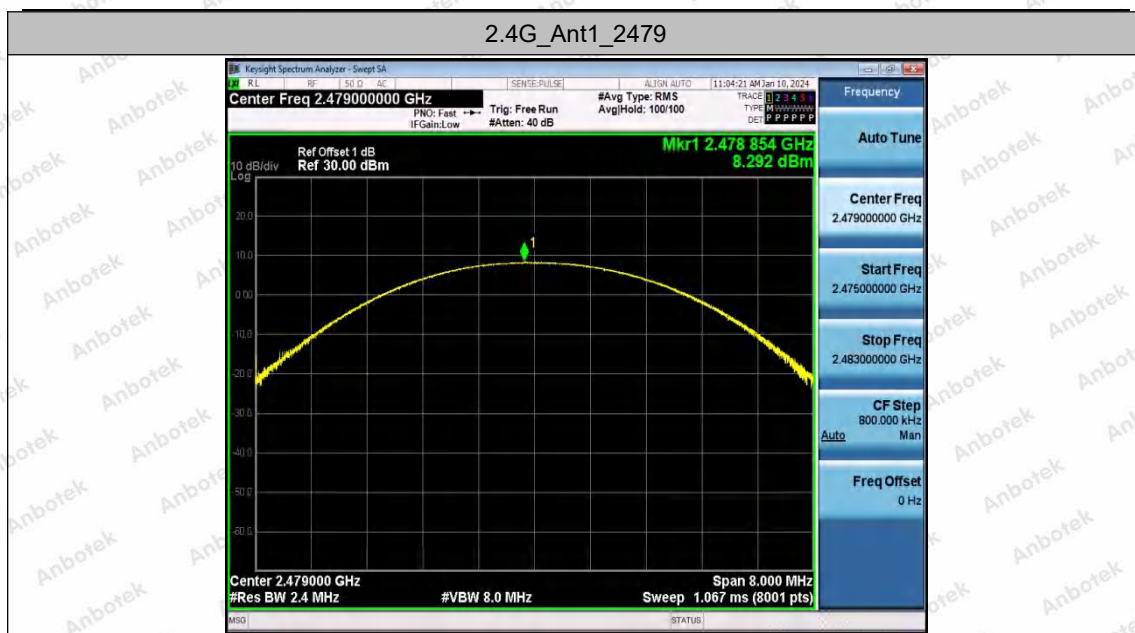
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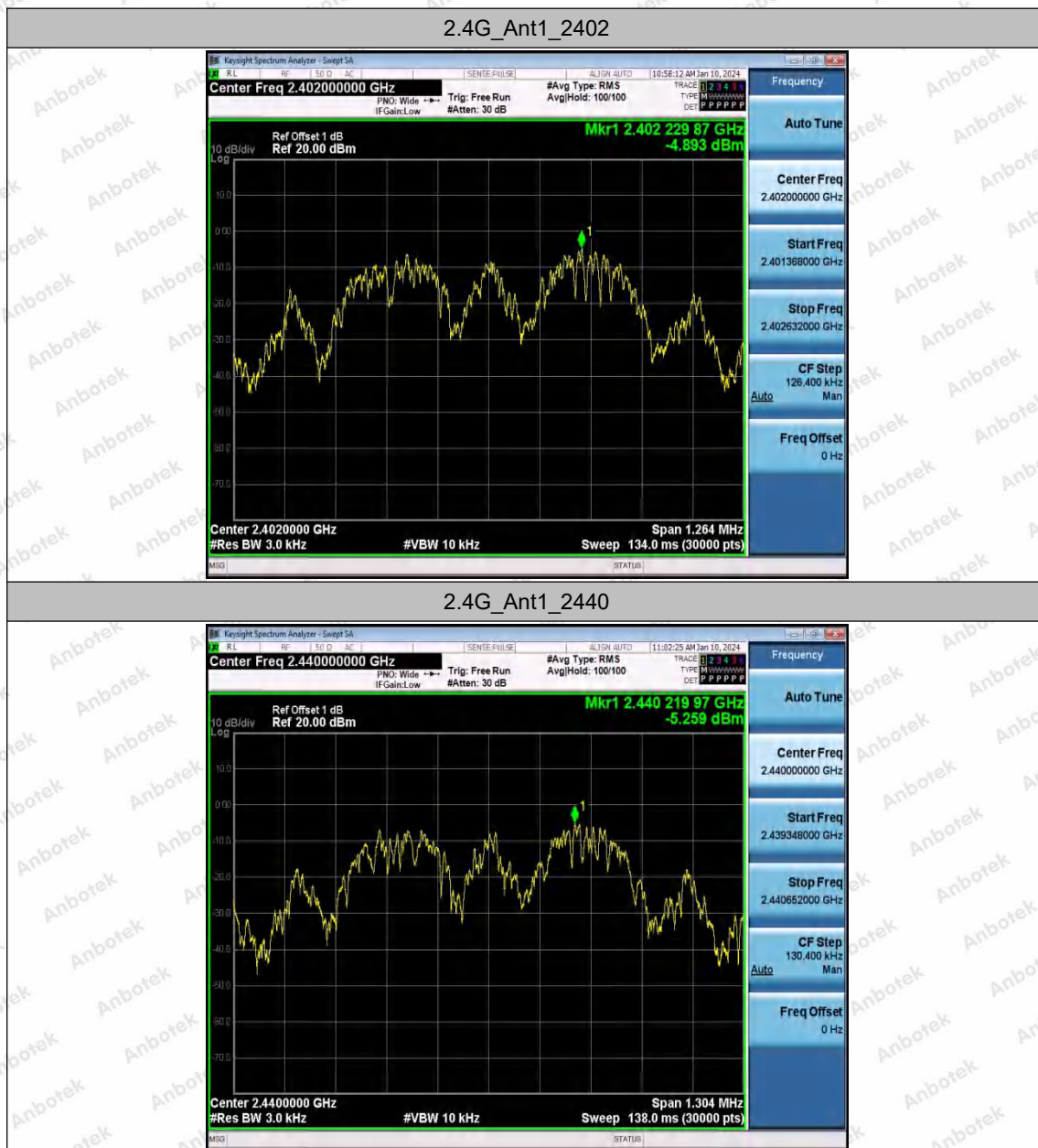


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2402	-4.89	≤8.00	PASS
		2440	-5.26	≤8.00	PASS
		2479	-4.66	≤8.00	PASS

Test Graphs



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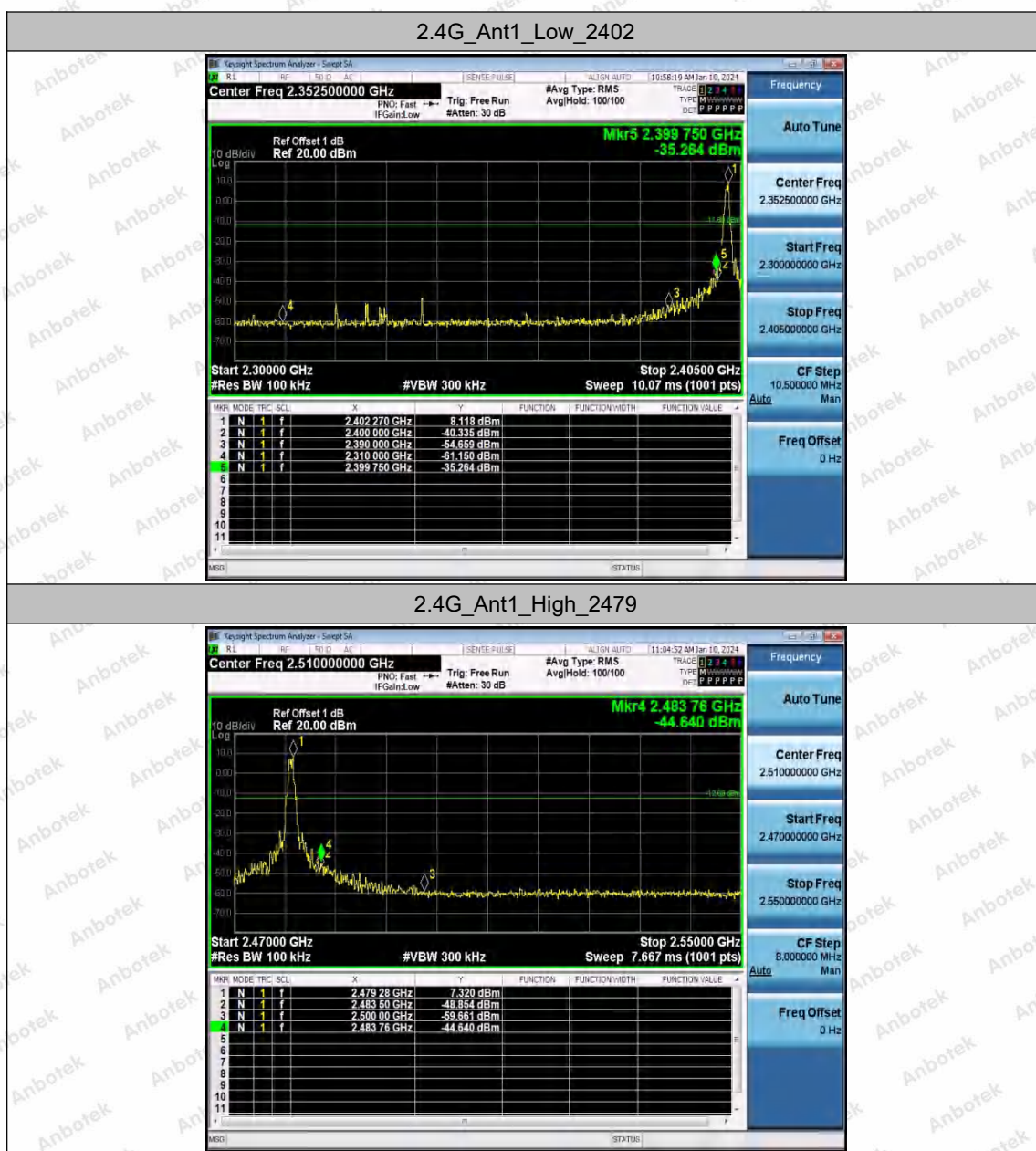


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2402	8.12	-35.26	≤-11.88	PASS
		High	2479	7.32	-44.64	≤-12.68	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	2402	Reference	8.19	8.19	---	PASS
			30~1000	8.19	-42.23	≤-11.81	PASS
			1000~26500	8.19	-26.99	≤-11.81	PASS
		2440	Reference	8.32	8.32	---	PASS
			30~1000	8.32	-41.72	≤-11.68	PASS
			1000~26500	8.32	-29.58	≤-11.68	PASS
		2479	Reference	7.33	7.33	---	PASS
			30~1000	7.33	-39.16	≤-12.67	PASS
			1000~26500	7.33	-31.92	≤-12.67	PASS



Test Graphs

2.4G_Ant1_2402_0~Reference



2.4G_Ant1_2402_30~1000



2.4G_Ant1_2402_1000~26500

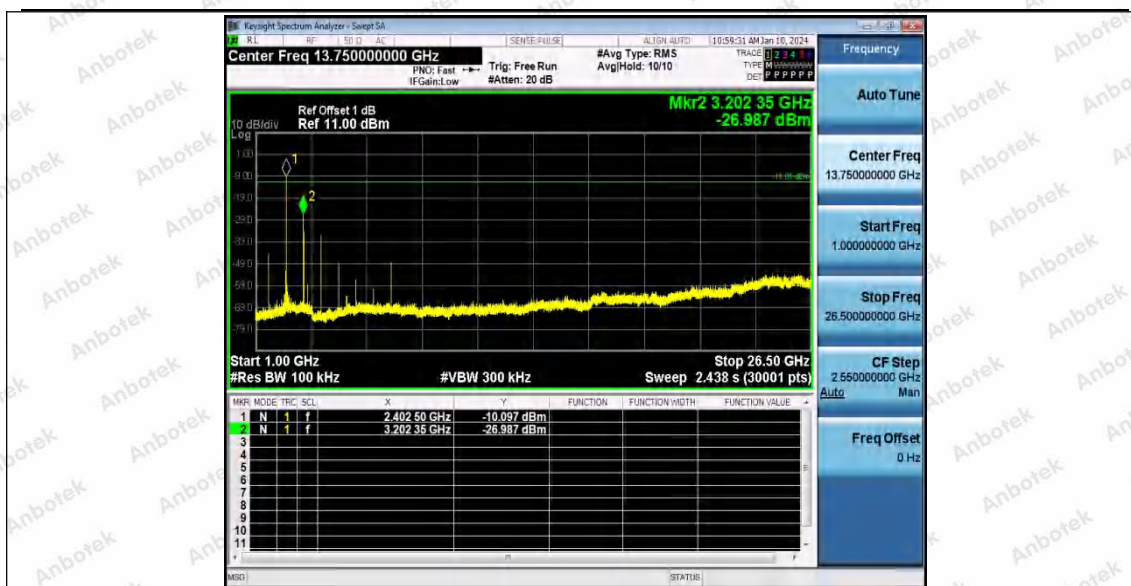
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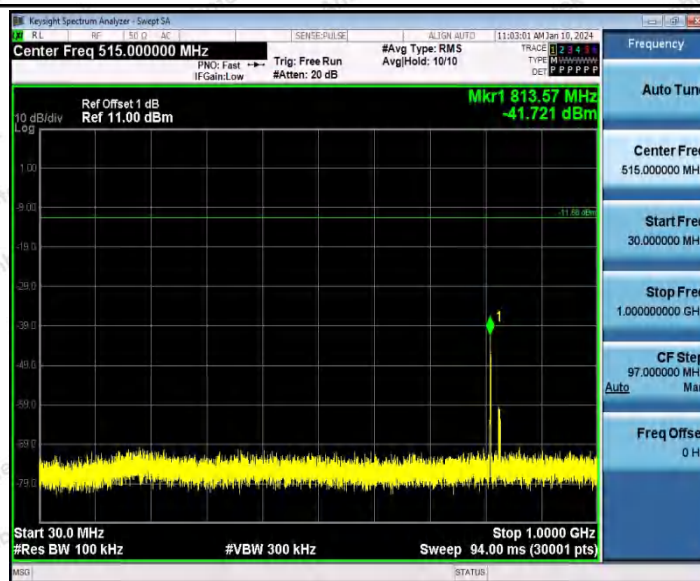


2.4G_Ant1_2440_0~Reference

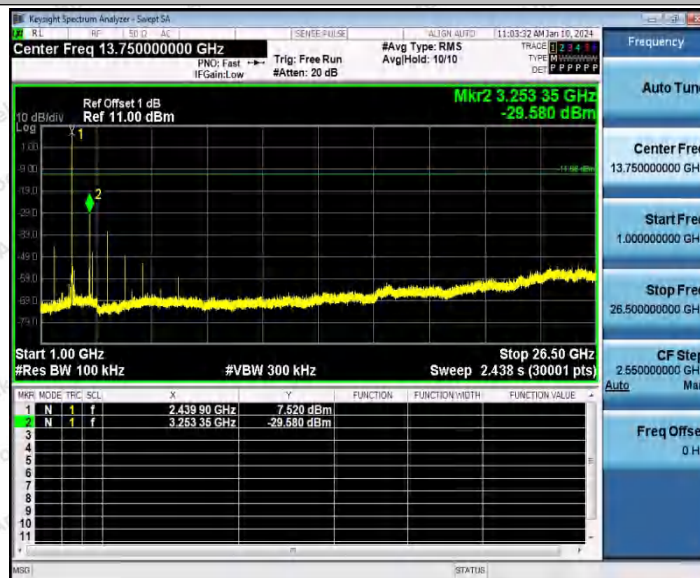


2.4G_Ant1_2440_30~1000





2.4G_Ant1_2440_1000~26500



2.4G_Ant1_2479_0~Reference

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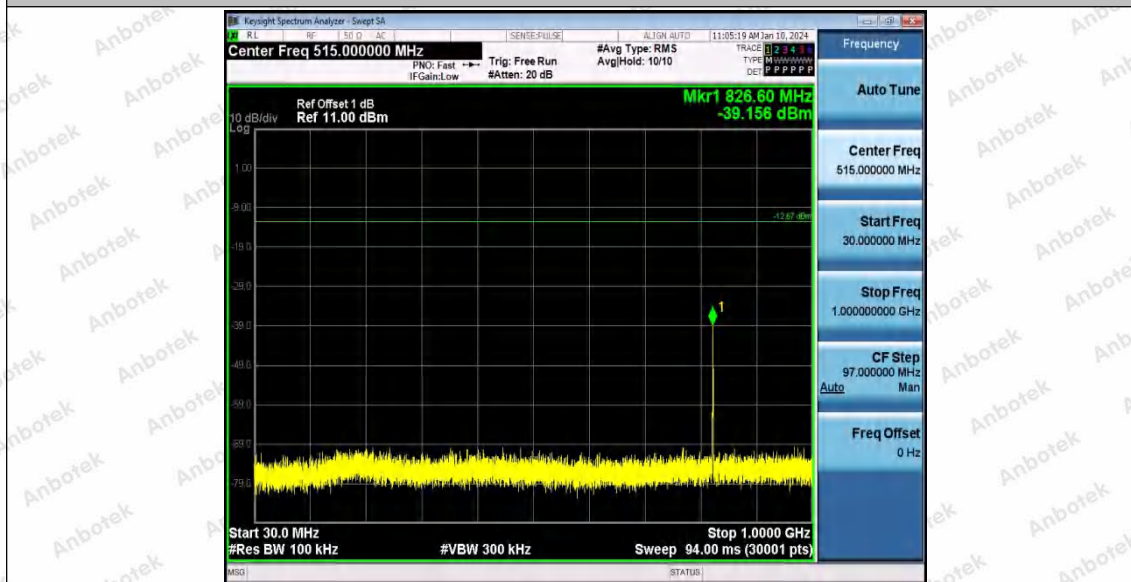


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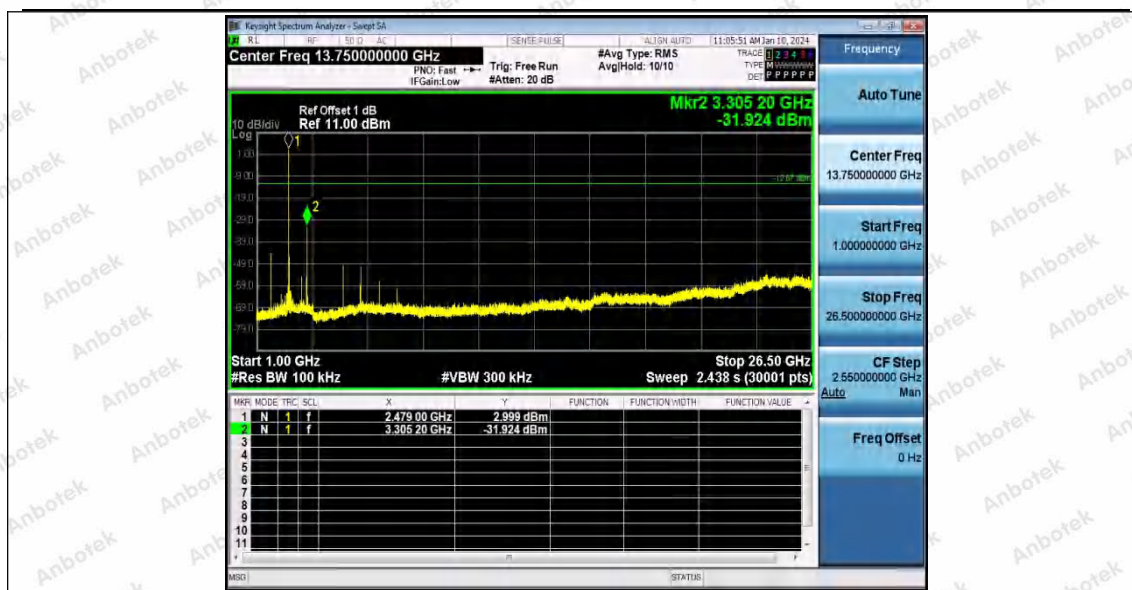


2.4G_Ant1_2479_30~1000



2.4G_Ant1_2479_1000~26500





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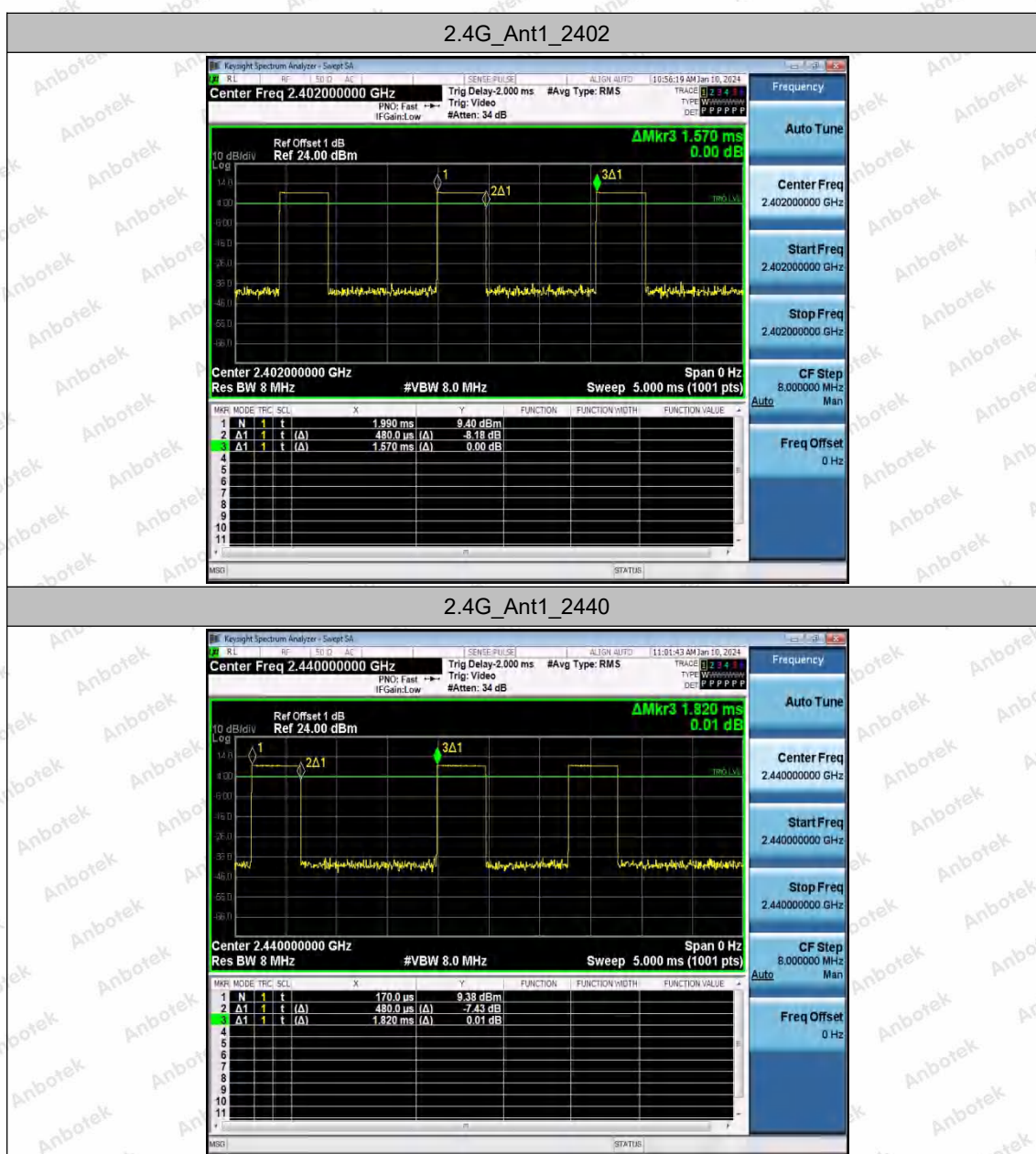


Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402	0.48	1.57	30.57	5.15
		2440	0.48	1.82	26.37	5.79
		2479	0.48	1.84	26.09	5.84

Test Graphs



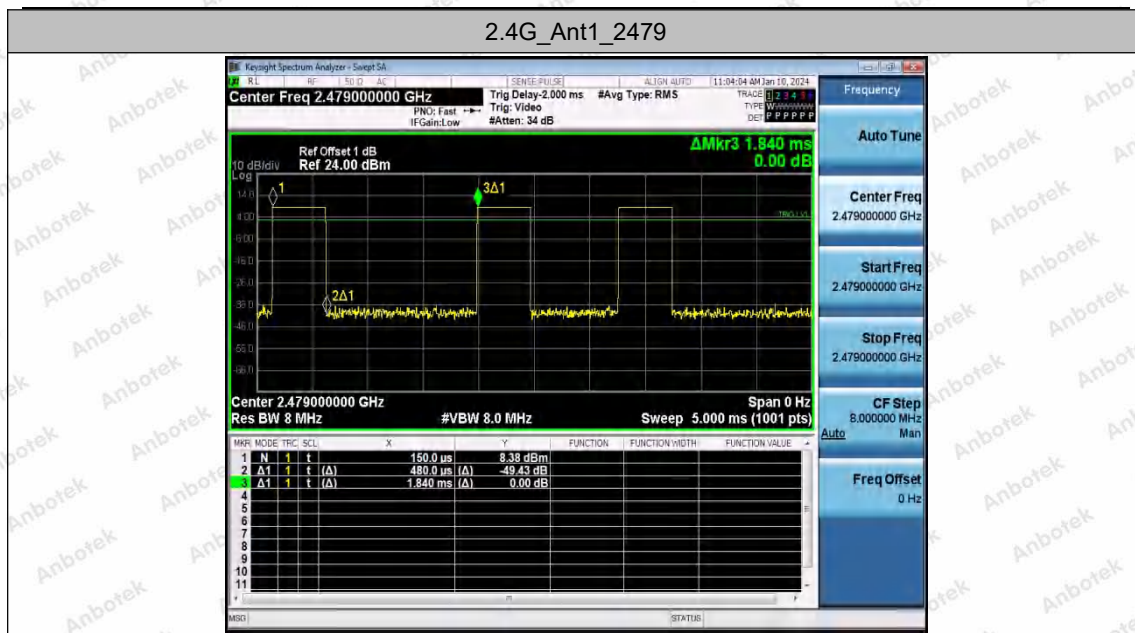
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