

Appendix Test Data

Report No.:	18220WC30150801	Test Sample No.:	1-2-2
Start Test Date:	2023.07.24	Finish Test Date:	2023.07.31
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.7°C	Relative Humidity:	47%
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	2420	0.660	2419.620	2420.280	0.5	PASS
		2450	0.652	2449.660	2450.312	0.5	PASS
		2470	0.652	2469.664	2470.316	0.5	PASS



Test Graphs

2.4G_Ant1_2420



2.4G_Ant1_2450



2.4G_Ant1_2470

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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4G	Ant1	2420	1.2849	2419.4448	2420.7297
		2450	1.1649	2449.4408	2450.6057
		2470	1.1228	2469.4143	2470.5371



Test Graphs

2.4G_Ant1_2420



2.4G_Ant1_2450



2.4G_Ant1_2470

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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	2420	1.79	≤30	PASS
		2450	1.04	≤30	PASS
		2470	0.43	≤30	PASS



Test Graphs Peak

2.4G_Ant1_2420



2.4G_Ant1_2450



2.4G_Ant1_2470

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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	2420	1.42	≤8.00	PASS
		2450	0.61	≤8.00	PASS
		2470	0.28	≤8.00	PASS

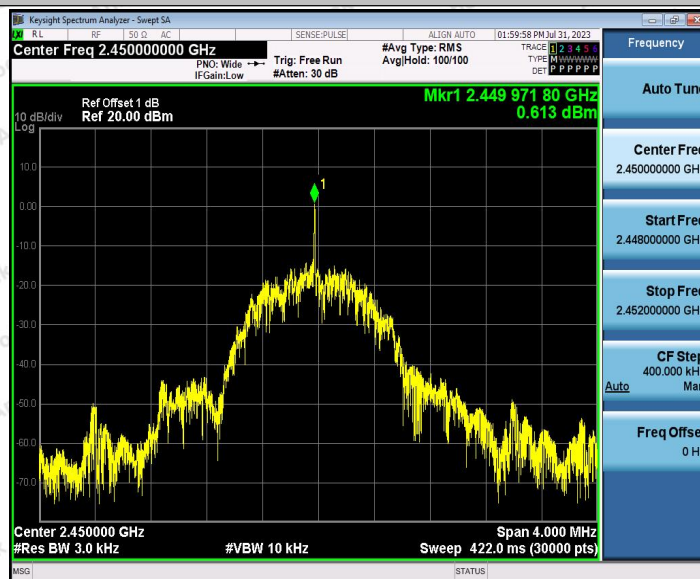


Test Graphs

2.4G_Ant1_2420



2.4G_Ant1_2450



2.4G_Ant1_2470

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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	2420	1.93	-42.85	≤-18.08	PASS
		High	2470	0.46	-55.82	≤-19.54	PASS

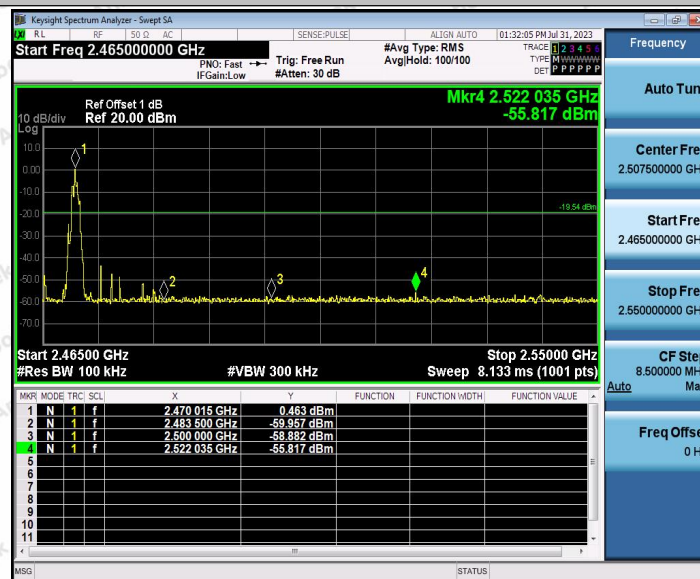


Test Graphs

2.4G_Ant1_Low_2420



2.4G_Ant1_High_2470



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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	2420	Reference	1.73	1.73	---	PASS
			30~1000	1.73	-69.79	≤-18.27	PASS
			1000~26500	1.73	-52.93	≤-18.27	PASS
		2450	Reference	0.87	0.87	---	PASS
			30~1000	0.87	-68.66	≤-19.13	PASS
			1000~26500	0.87	-52.41	≤-19.13	PASS
		2470	Reference	0.36	0.36	---	PASS
			30~1000	0.36	-68.23	≤-19.64	PASS
			1000~26500	0.36	-51.92	≤-19.64	PASS



Test Graphs

2.4G_Ant1_2420_0~Reference



2.4G_Ant1_2420_30~1000



2.4G_Ant1_2420_1000~26500

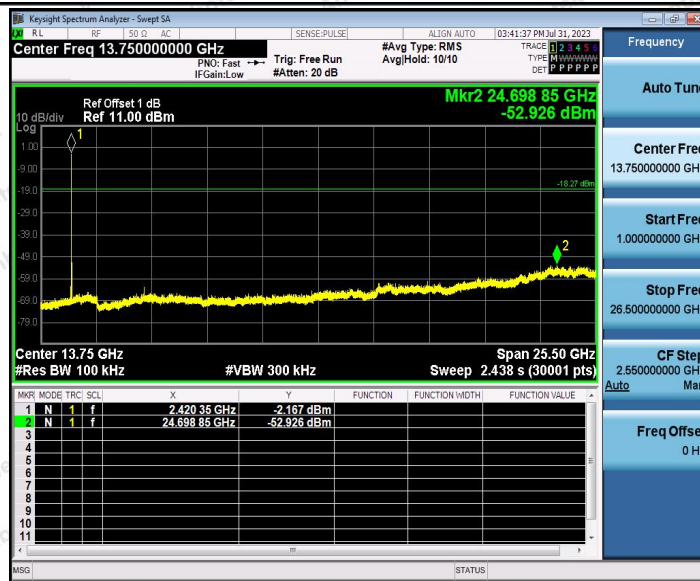
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2.4G_Ant1_2450_0~Reference



2.4G_Ant1_2450_30~1000

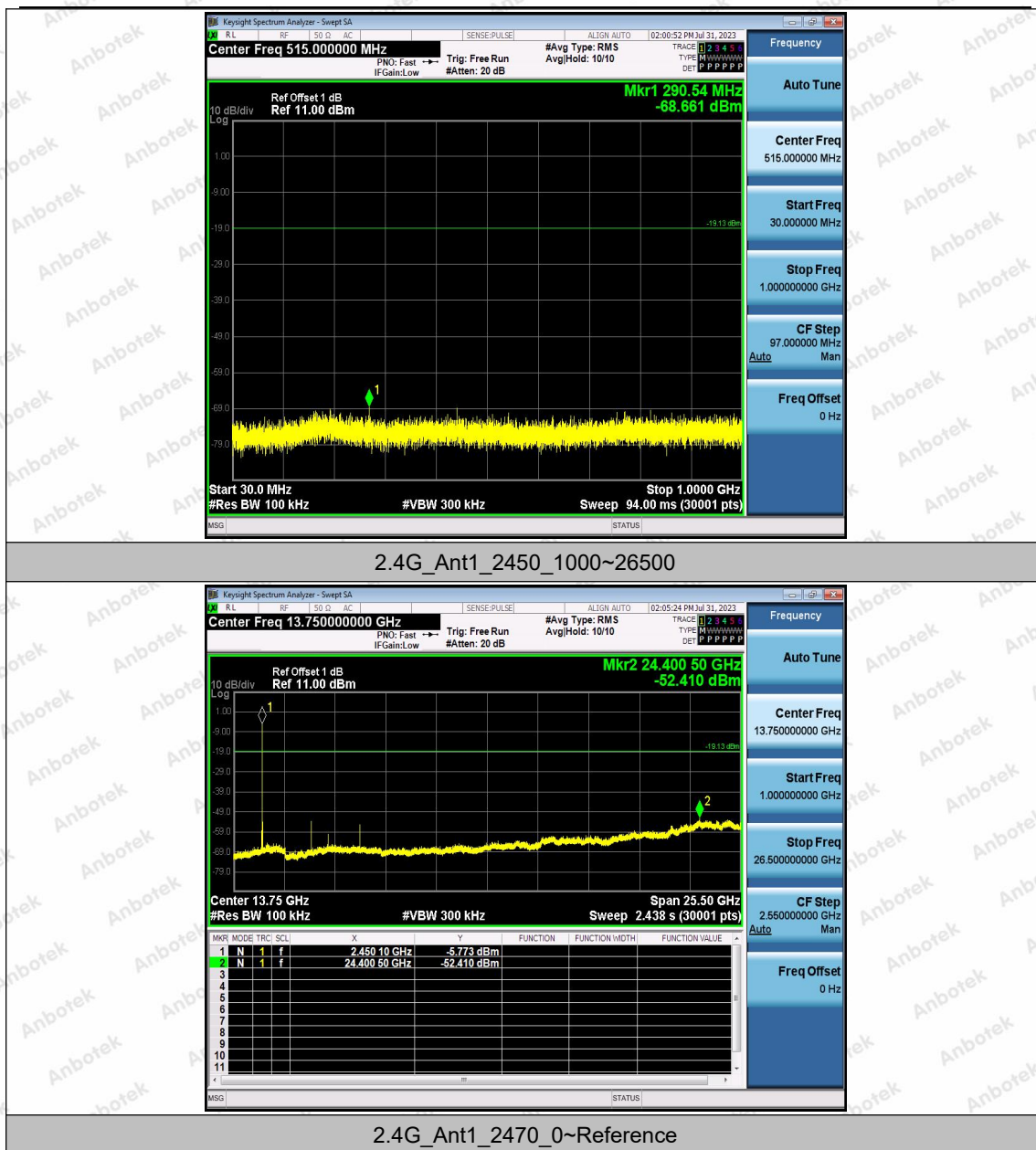
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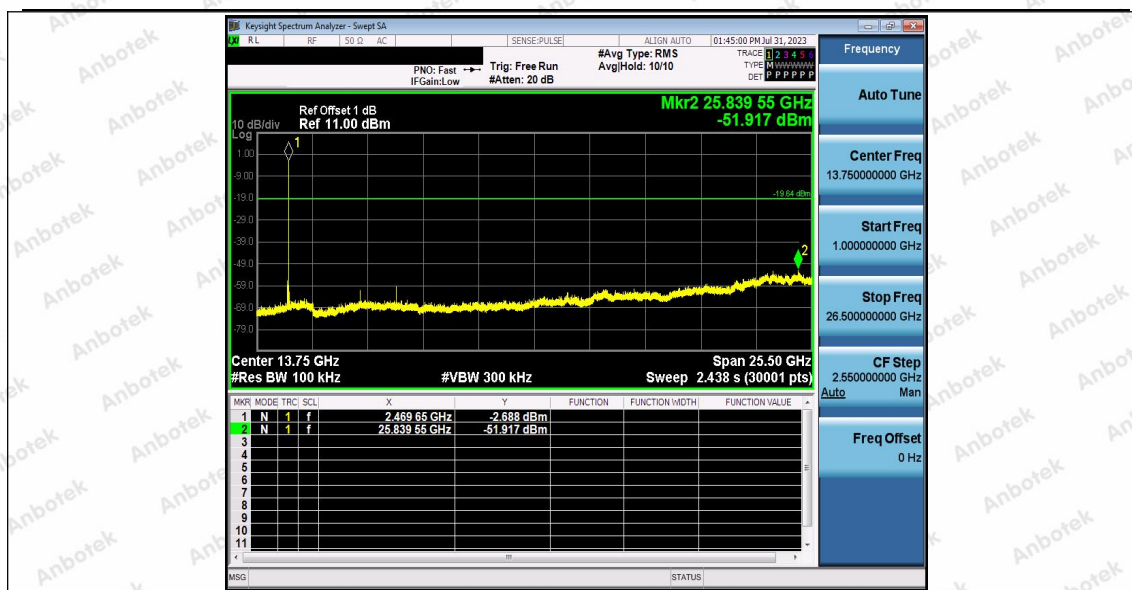
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Appendix G: Duty Cycle

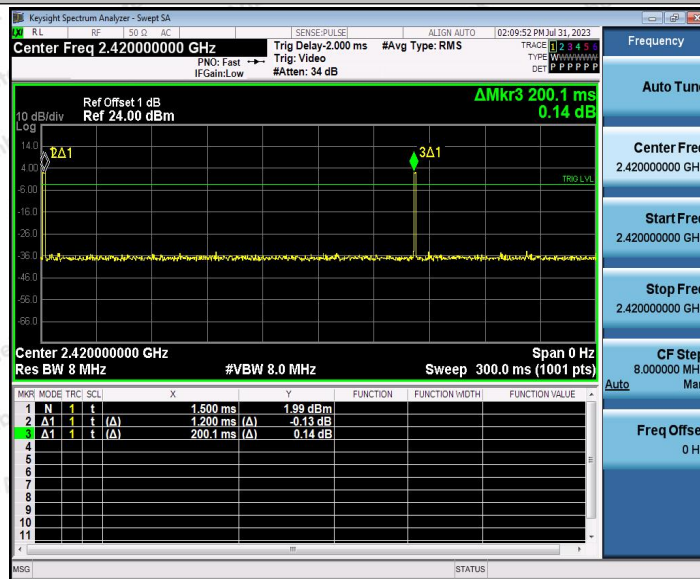
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2420	1.20	200.10	0.60	22.22
		2450	0.90	200.10	0.45	23.47
		2470	0.90	199.80	0.45	23.47

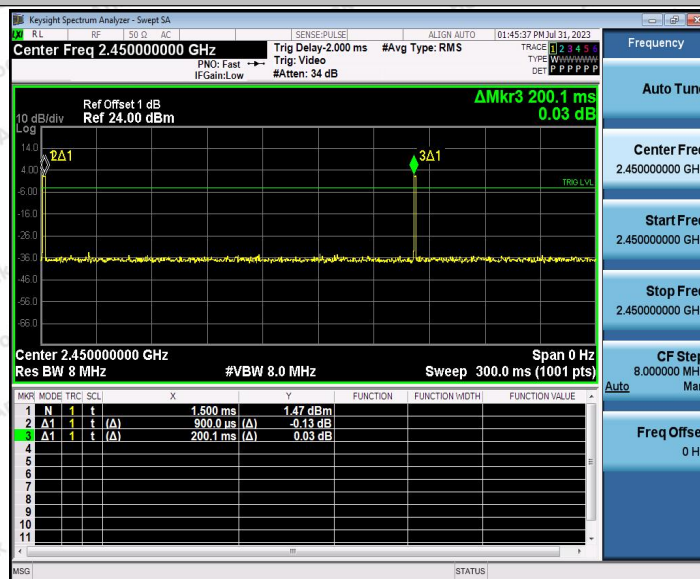


Test Graphs

2.4G_Ant1_2420



2.4G_Ant1_2450



2.4G_Ant1_2470

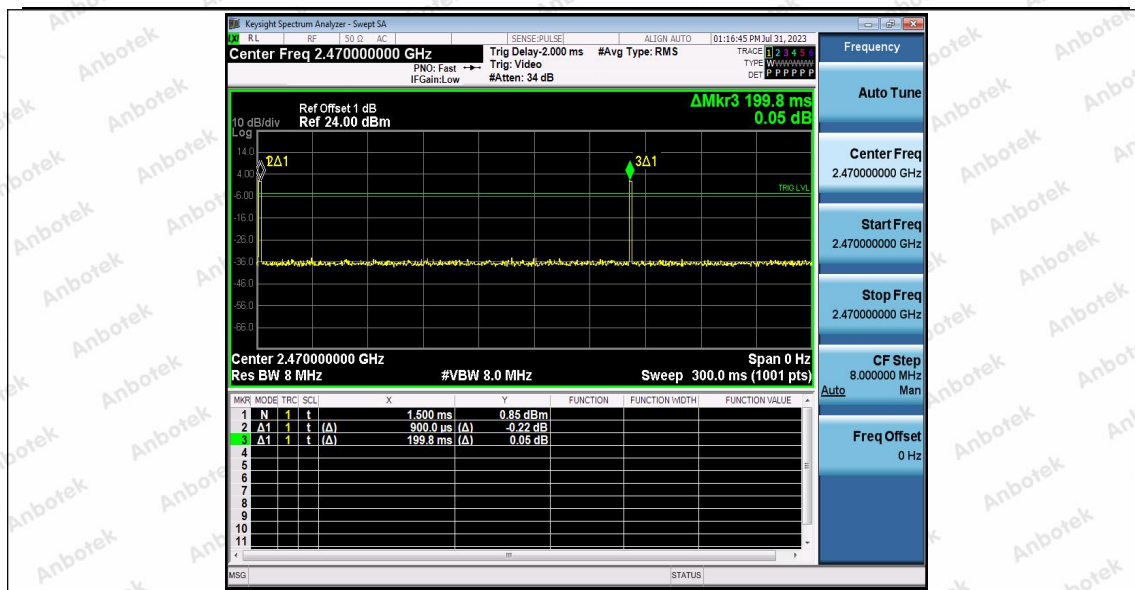
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