

Appendix Test Data

Report No.:	18220WC30277801	Test Sample No.:	1-2-2
Start Test Date:	2024.01.02	Finish Test Date:	2024.01.02
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	24.5℃	Relative Humidity:	49%
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	0.692	2401.648	2402.340	0.5	PASS
		2426	0.700	2425.648	2426.348	0.5	PASS
		2480	0.680	2479.648	2480.328	0.5	PASS



Test Graphs

2.4G_Ant1_2402



2.4G_Ant1_2426



2.4G_Ant1_2480

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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	1.0273	2401.4958	2402.5231
		2426	1.0295	2425.4944	2426.5239
		2480	1.0272	2479.4968	2480.5240



Test Graphs

2.4G_Ant1_2402



2.4G_Ant1_2426



2.4G_Ant1_2480

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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	-5.33	≤30	PASS
		2426	-4.97	≤30	PASS
		2480	-5.66	≤30	PASS



Test Graphs Peak

2.4G_Ant1_2402



2.4G_Ant1_2426



2.4G_Ant1_2480

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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	-20.59	≤8.00	PASS
		2426	-20.23	≤8.00	PASS
		2480	-20.94	≤8.00	PASS



Test Graphs

2.4G_Ant1_2402



2.4G_Ant1_2426



2.4G_Ant1_2480

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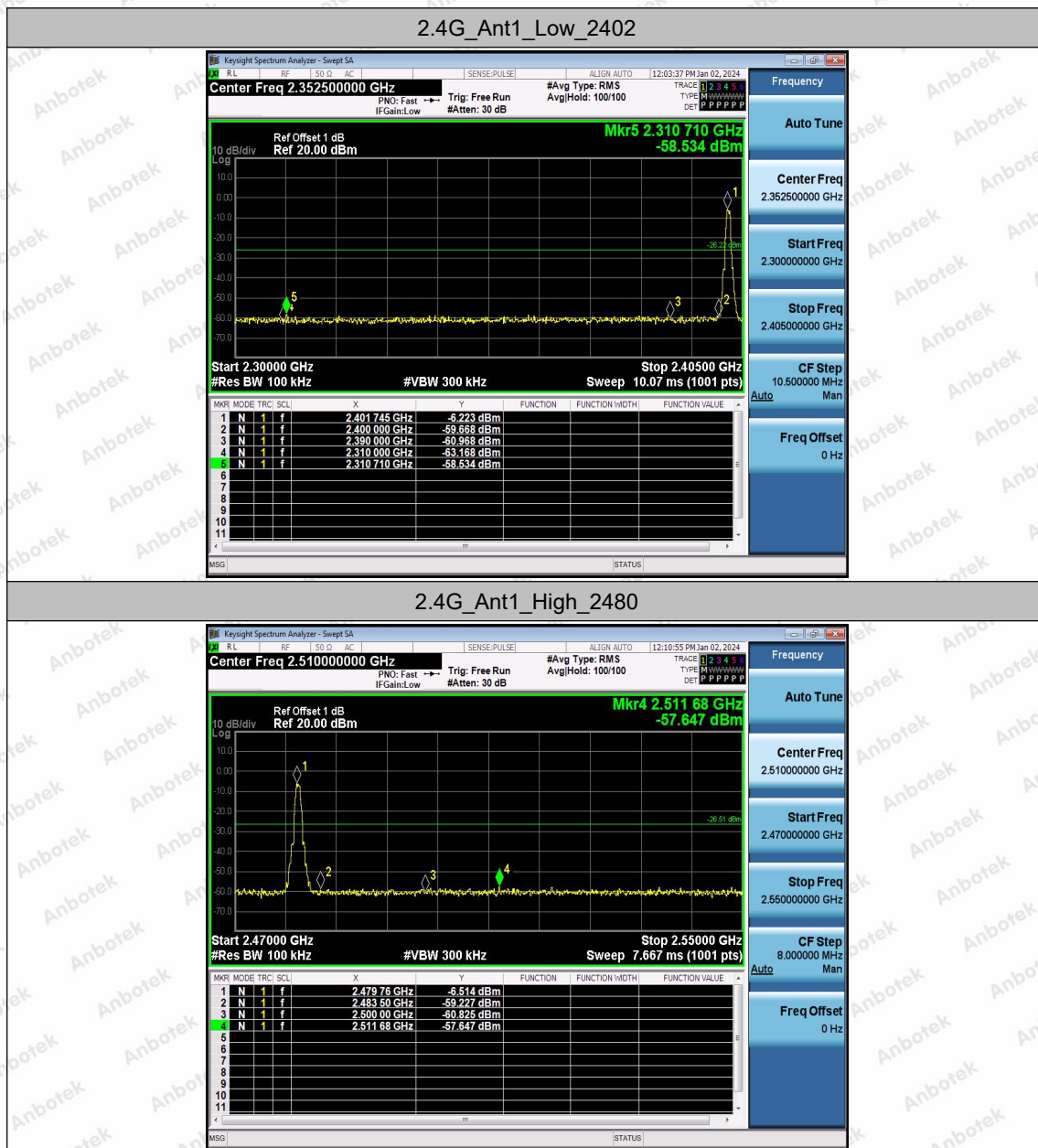


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2402	-6.22	-58.53	≤ -26.22	PASS
		High	2480	-6.51	-57.65	≤ -26.51	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	-7.50	-7.50	---	PASS
			30~1000	-7.50	-68.38	≤-27.5	PASS
			1000~26500	-7.50	-53.96	≤-27.5	PASS
		2426	Reference	-6.70	-6.70	---	PASS
			30~1000	-6.70	-68.33	≤-26.7	PASS
			1000~26500	-6.70	-53.96	≤-26.7	PASS
		2480	Reference	-7.44	-7.44	---	PASS
			30~1000	-7.44	-68.59	≤-27.44	PASS
			1000~26500	-7.44	-54.09	≤-27.44	PASS

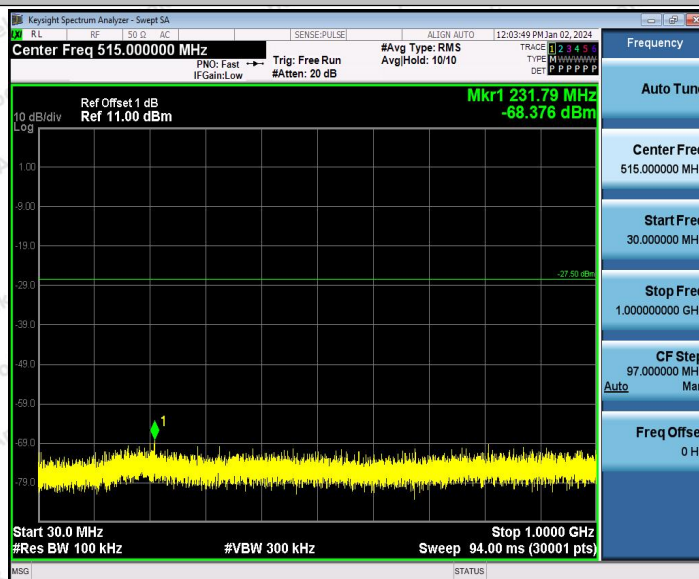


Test Graphs

2.4G_Ant1_2402_0~Reference



2.4G_Ant1_2402_30~1000



2.4G_Ant1_2402_1000~26500

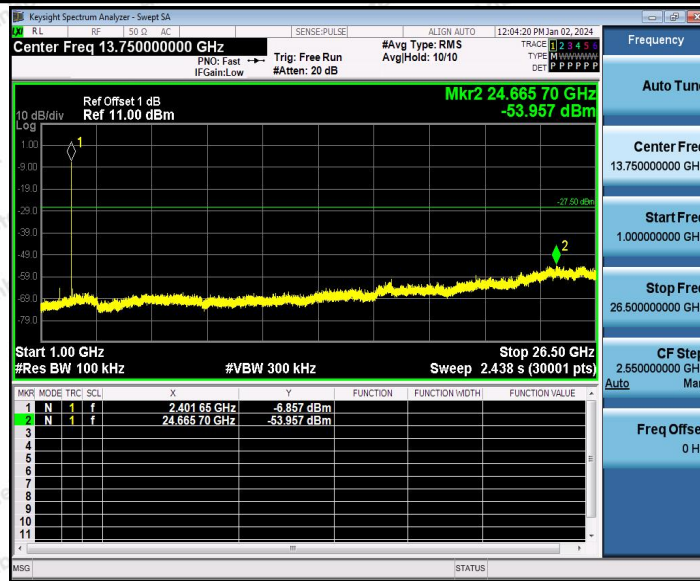
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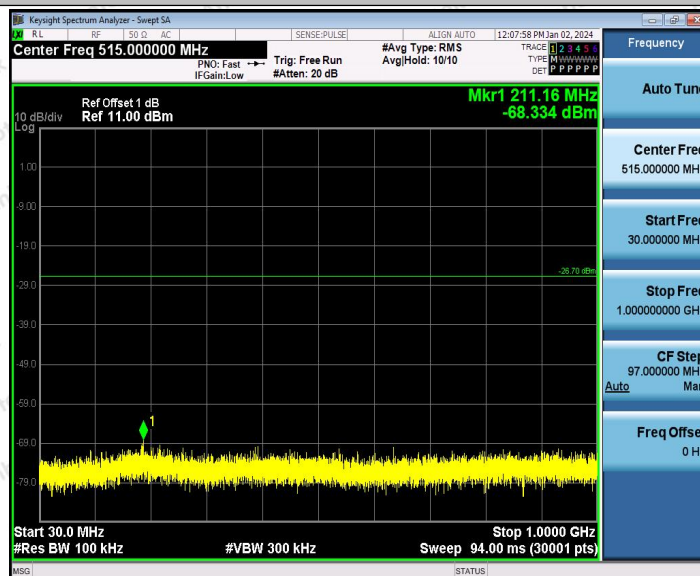




2.4G_Ant1_2426_0~Reference



2.4G_Ant1_2426_30~1000



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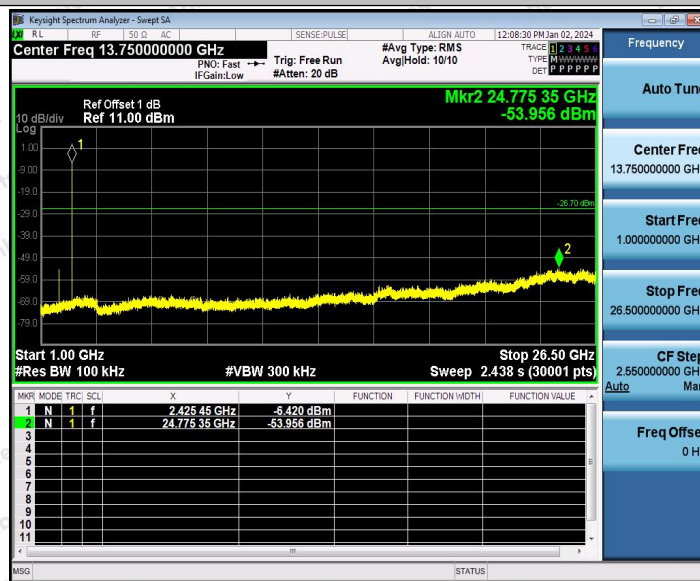
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2.4G_Ant1_2426_1000~26500



2.4G_Ant1_2480_0~Reference



2.4G_Ant1_2480_30~1000

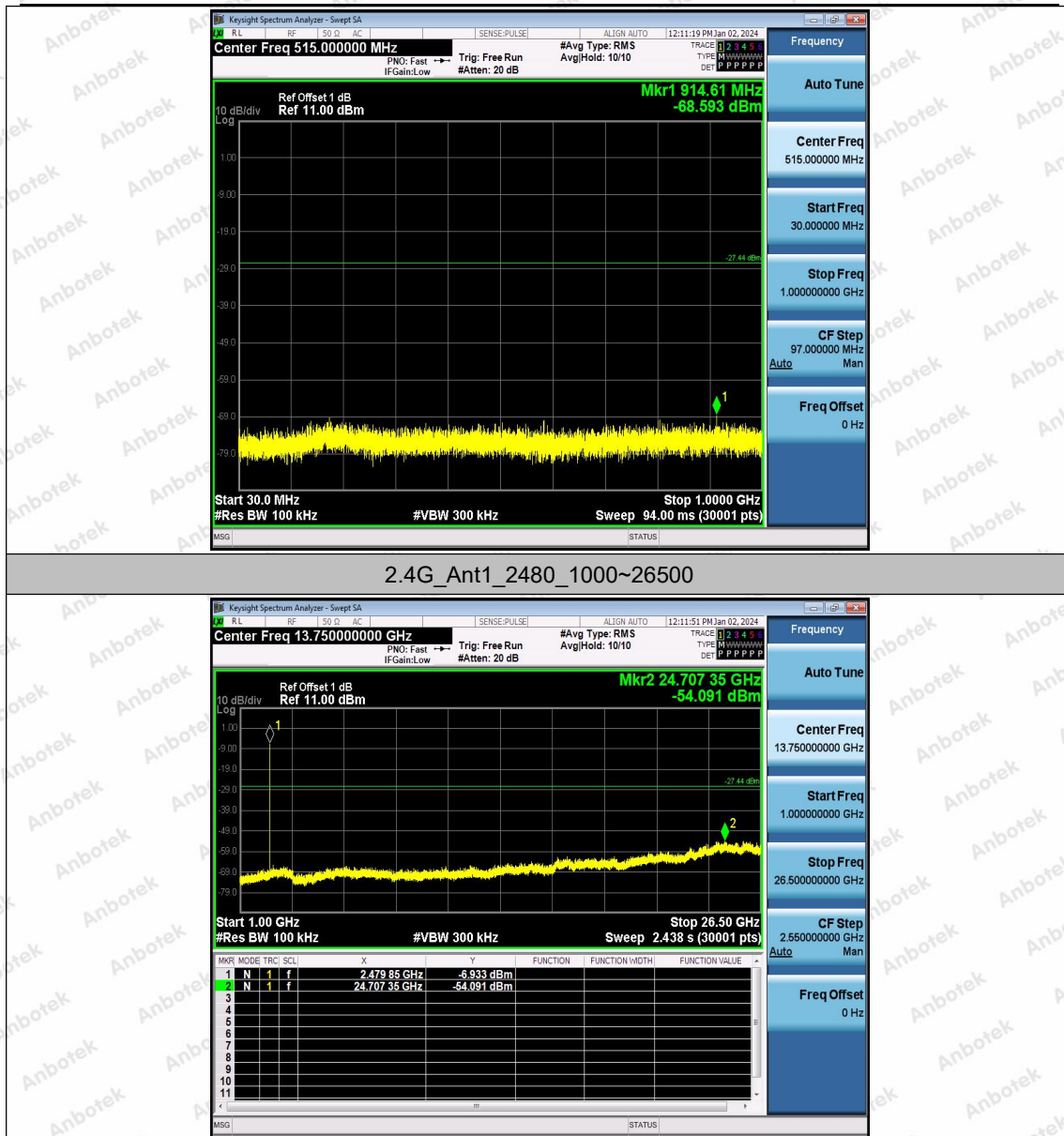
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Appendix G: Duty Cycle

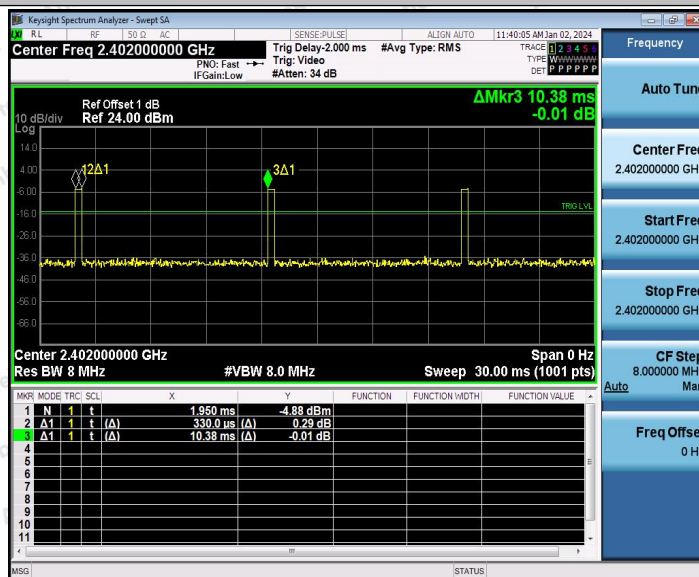
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402	0.33	10.38	3.18	14.98
		2426	0.33	10.41	3.17	14.99
		2480	0.33	10.41	3.17	14.99

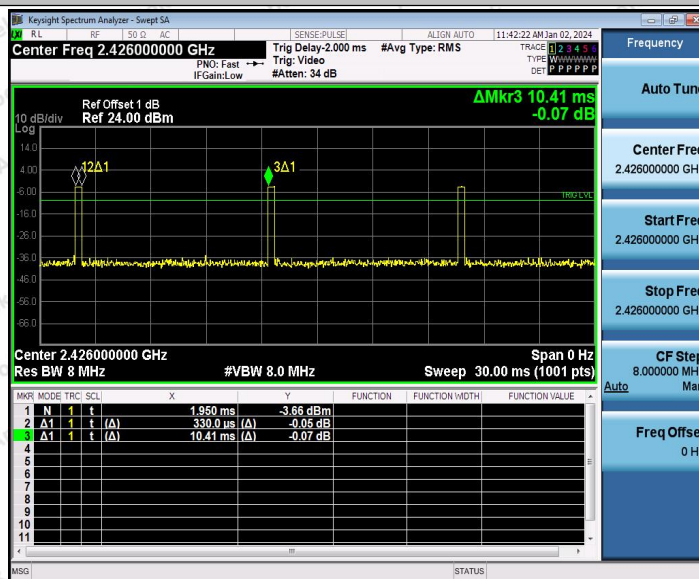


Test Graphs

2.4G_Ant1_2402



2.4G_Ant1_2426



2.4G_Ant1_2480

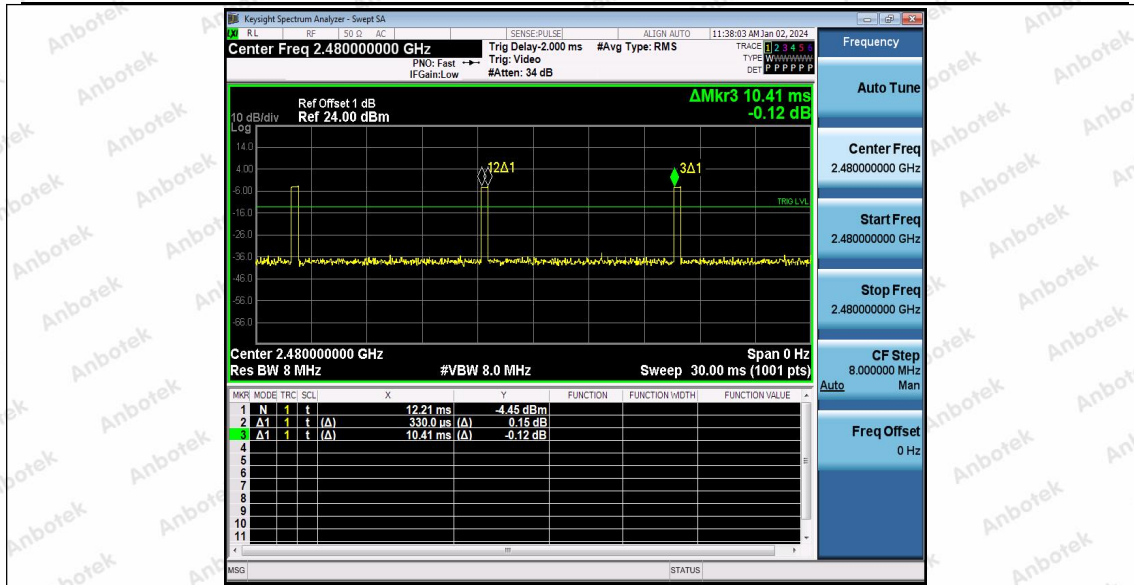
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