

Appendix Test Data

Report No.:	1812C40040512501	Test Sample No.:	1-2-2
Start Test Date:	2024.09.03	Finish Test Date:	2024.09.03
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	24.3℃	Relative Humidity:	51%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	1.575	2404.190	2405.765	---	---
2.4G	Ant1	2441	1.585	2440.185	2441.770	---	---
2.4G	Ant1	2475	1.590	2474.185	2475.775	---	---



Test Graphs



2.4G-Ant1-2405



2.4G-Ant1-2441



2.4G-Ant1-2475

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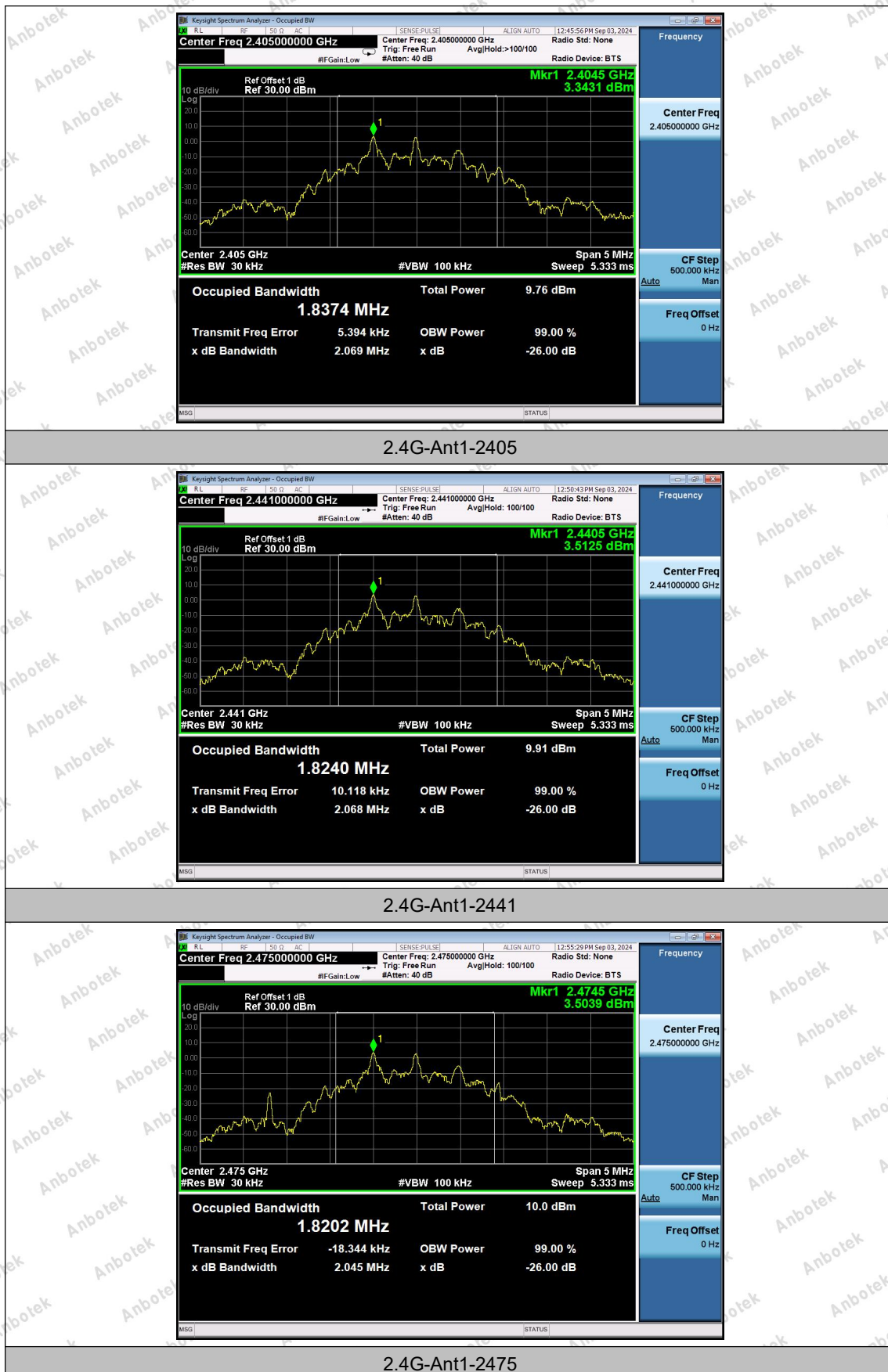
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	1.8374	2404.0889	2405.9263	---	---
2.4G	Ant1	2441	1.8240	2440.0981	2441.9221	---	---
2.4G	Ant1	2475	1.8202	2474.0716	2475.8918	---	---



Test Graphs



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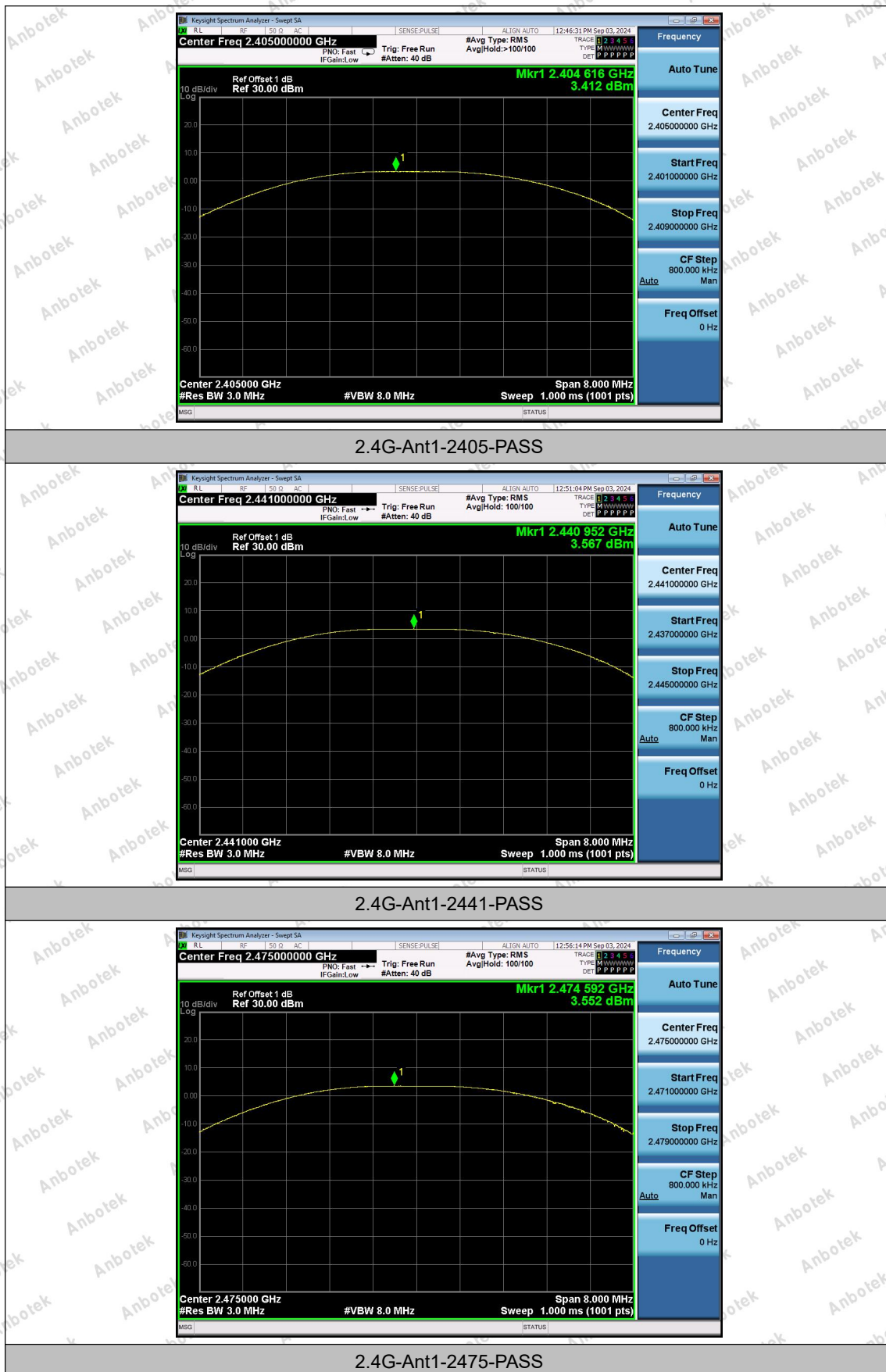
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	3.41	≤20.97	PASS
2.4G	Ant1	2441	3.57	≤20.97	PASS
2.4G	Ant1	2475	3.55	≤20.97	PASS



Test Graphs



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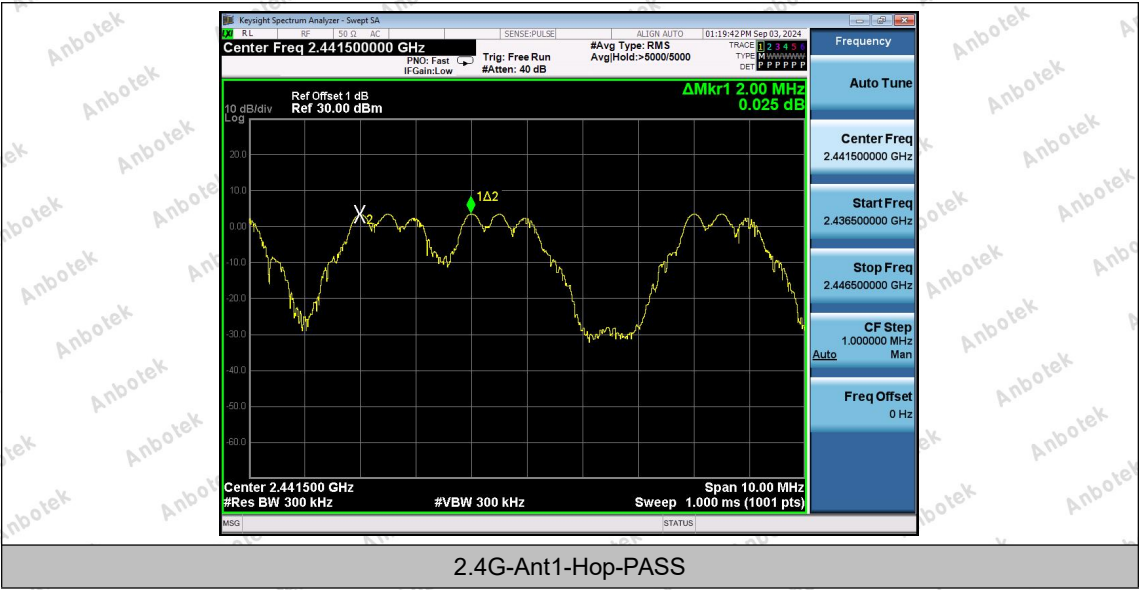


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2	≥1.06	PASS

Test Graphs

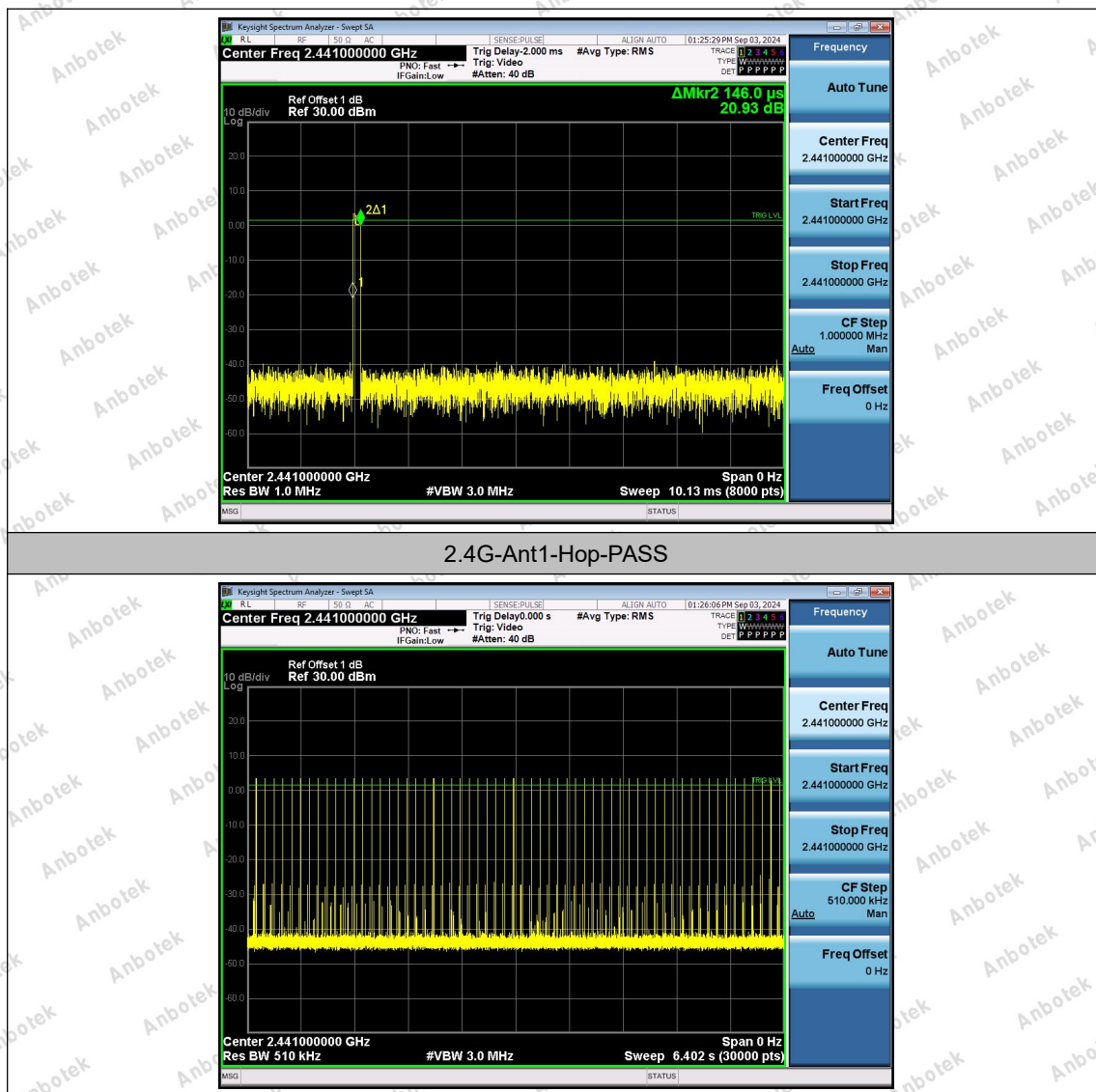


Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.146	60	0.009	≤0.4	PASS

Test Graphs

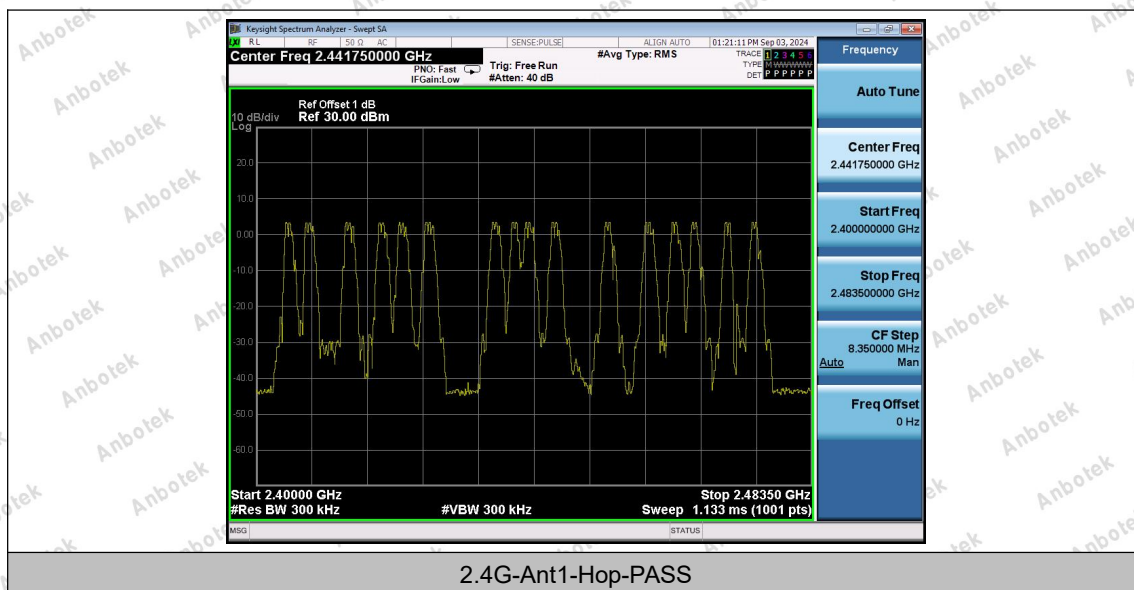


Appendix F: Number of Hopping Channel

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	16	≥15	PASS

Test Graphs



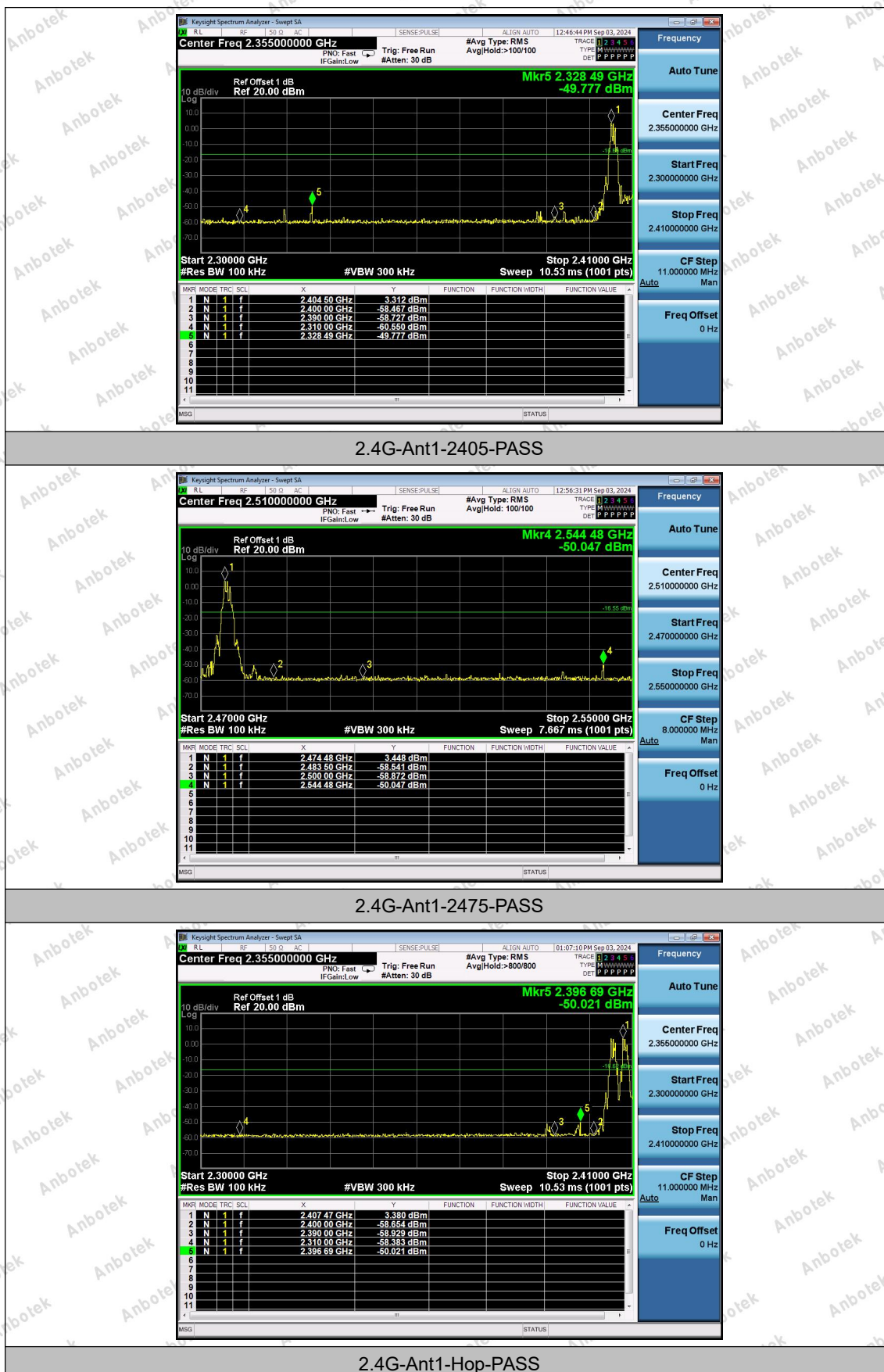
Appendix G: Conducted Band edge

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2405	3.31	-49.78	≤-16.69	PASS
2.4G	Ant1	High	2475	3.45	-50.05	≤-16.55	PASS
2.4G	Ant1	Low	Hop	3.38	-50.02	≤-16.62	PASS
2.4G	Ant1	High	Hop	3.51	-47.57	≤-16.49	PASS



Test Graphs



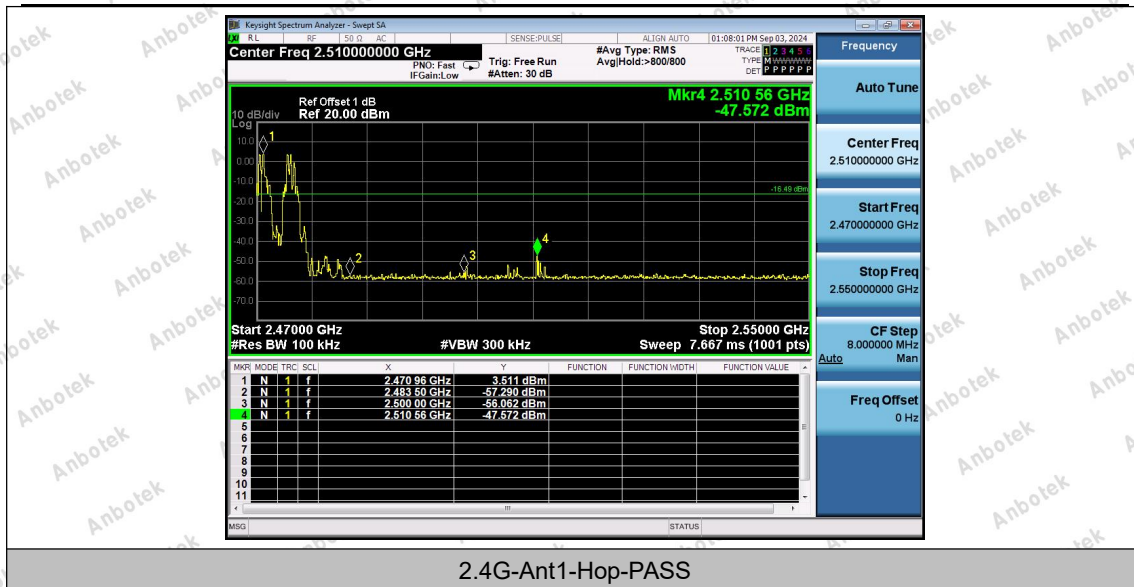
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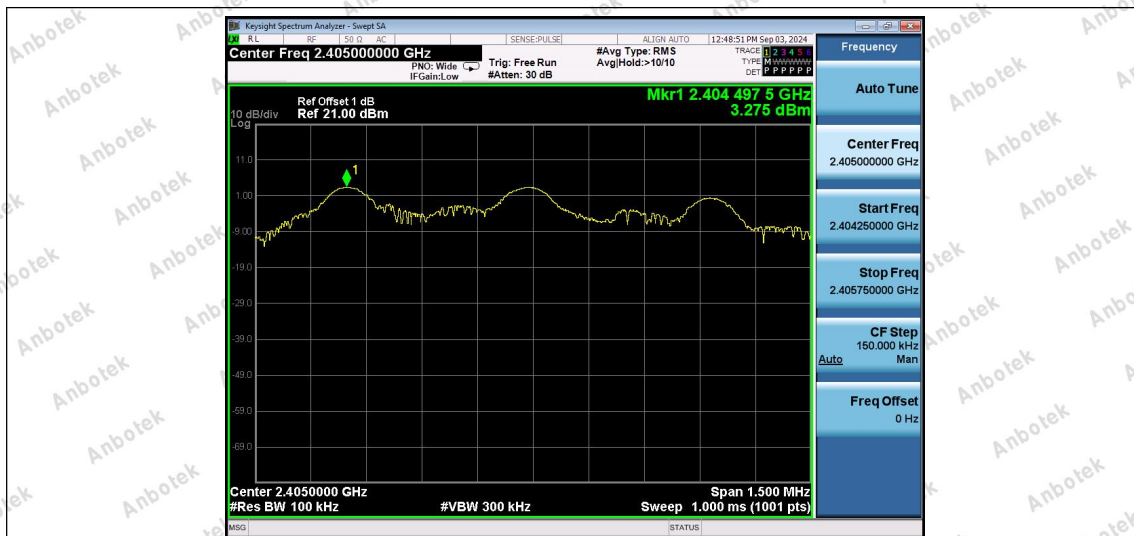
Appendix H: Conducted Spurious Emission

Test Result

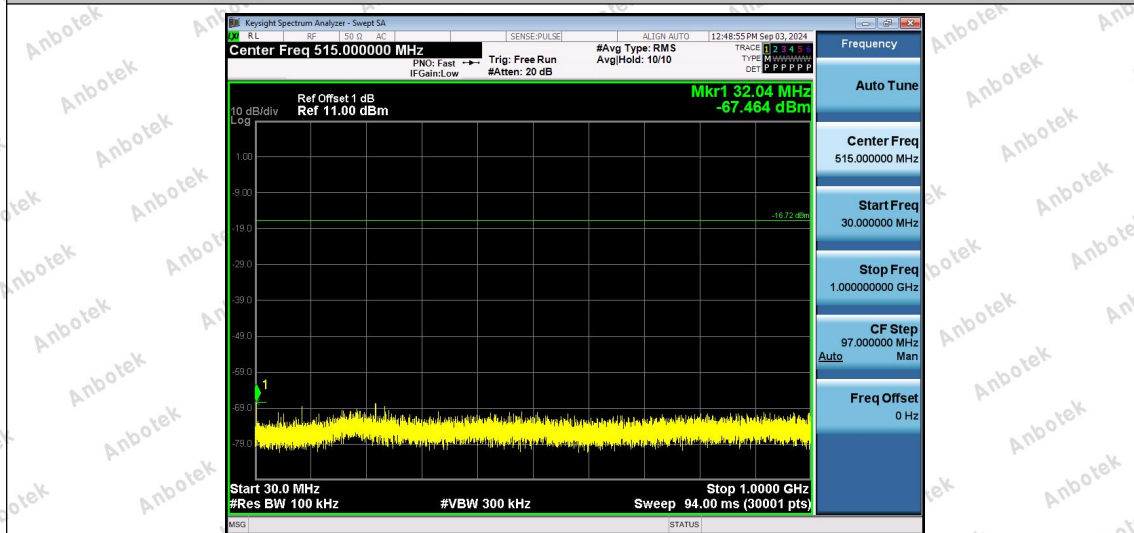
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2405	0~Reference	3.28	3.28	---	PASS
2.4G	Ant1	2405	30~1000	3.28	-67.46	≤-16.72	PASS
2.4G	Ant1	2405	1000~26500	3.28	-53.37	≤-16.72	PASS
2.4G	Ant1	2441	0~Reference	3.43	3.43	---	PASS
2.4G	Ant1	2441	30~1000	3.43	-67.72	≤-16.57	PASS
2.4G	Ant1	2441	1000~26500	3.43	-50.6	≤-16.57	PASS
2.4G	Ant1	2475	0~Reference	3.37	3.37	---	PASS
2.4G	Ant1	2475	30~1000	3.37	-66.48	≤-16.63	PASS
2.4G	Ant1	2475	1000~26500	3.37	-39.89	≤-16.63	PASS



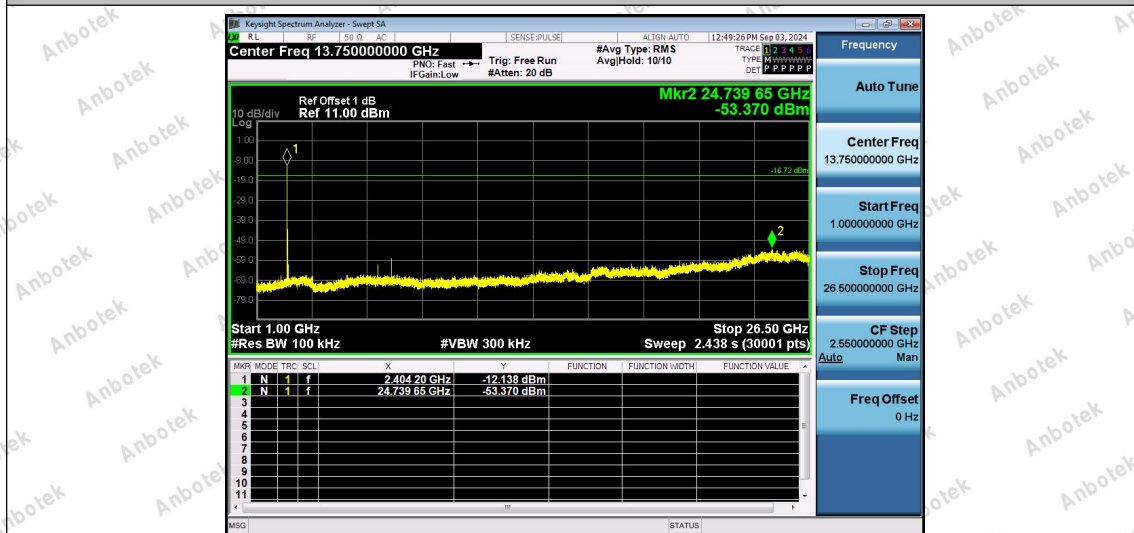
Test Graphs



2.4G-Ant1-2405-0~Reference-PASS



2.4G-Ant1-2405-30~1000-PASS



2.4G-Ant1-2405-1000~26500-PASS

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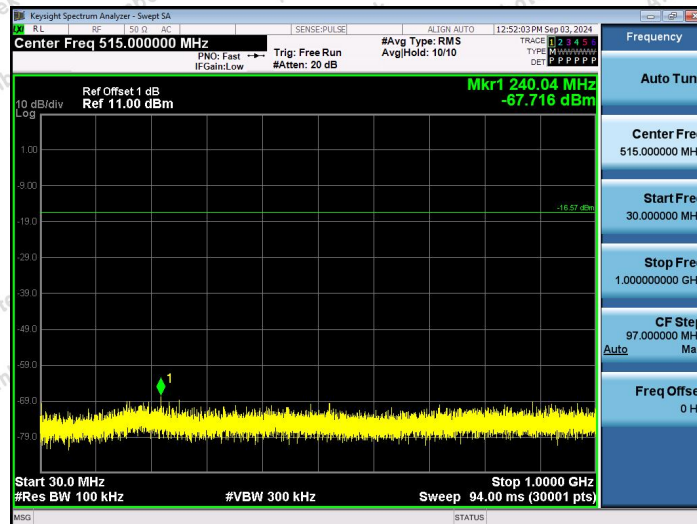


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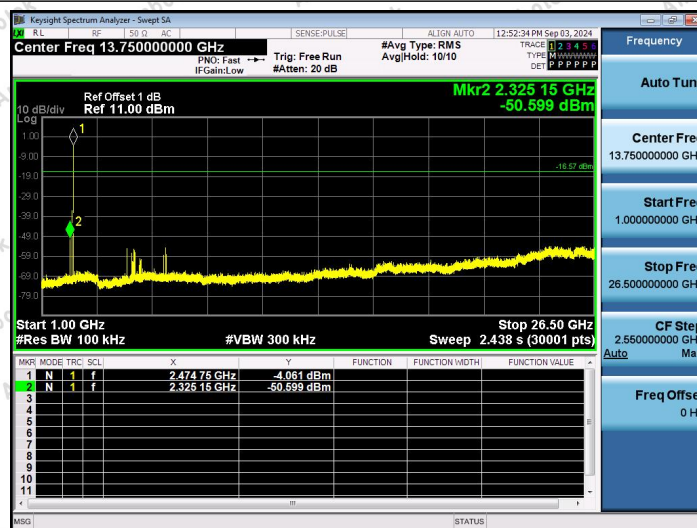




2.4G-Ant1-2441-0~Reference-PASS



2.4G-Ant1-2441-30~1000-PASS

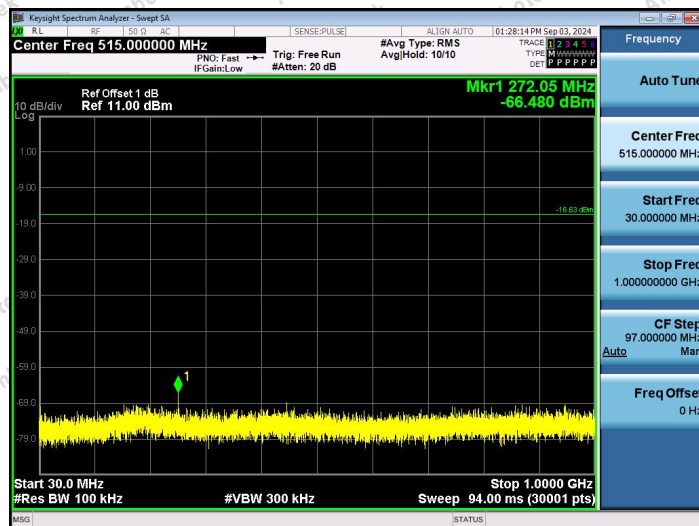


2.4G-Ant1-2441-1000~26500-PASS

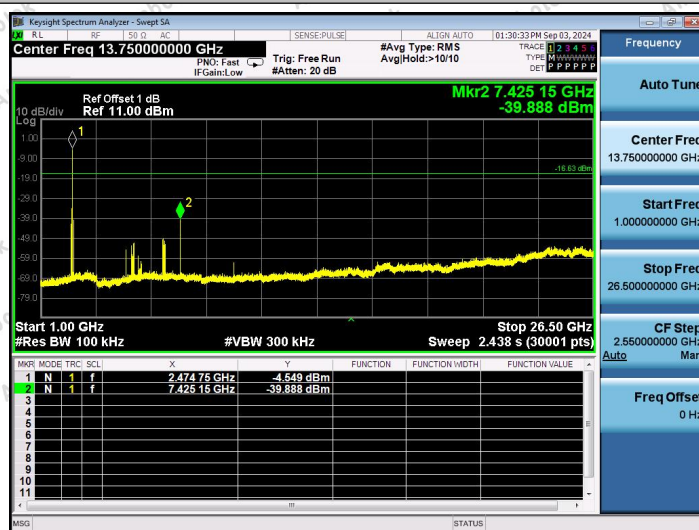




2.4G-Ant1-2475-0~Reference-PASS



2.4G-Ant1-2475-30~1000-PASS



2.4G-Ant1-2475-1000~26500-PASS

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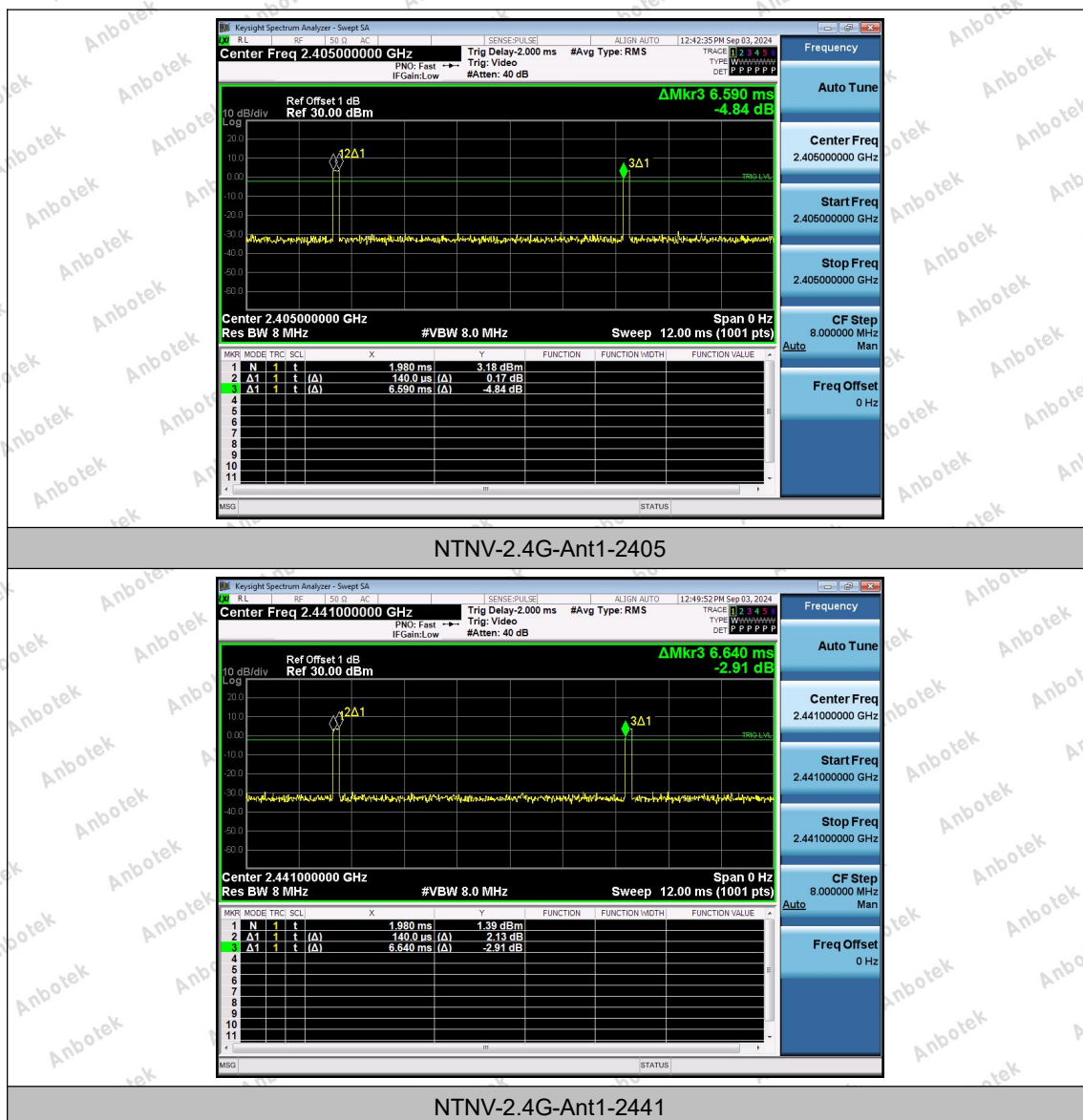


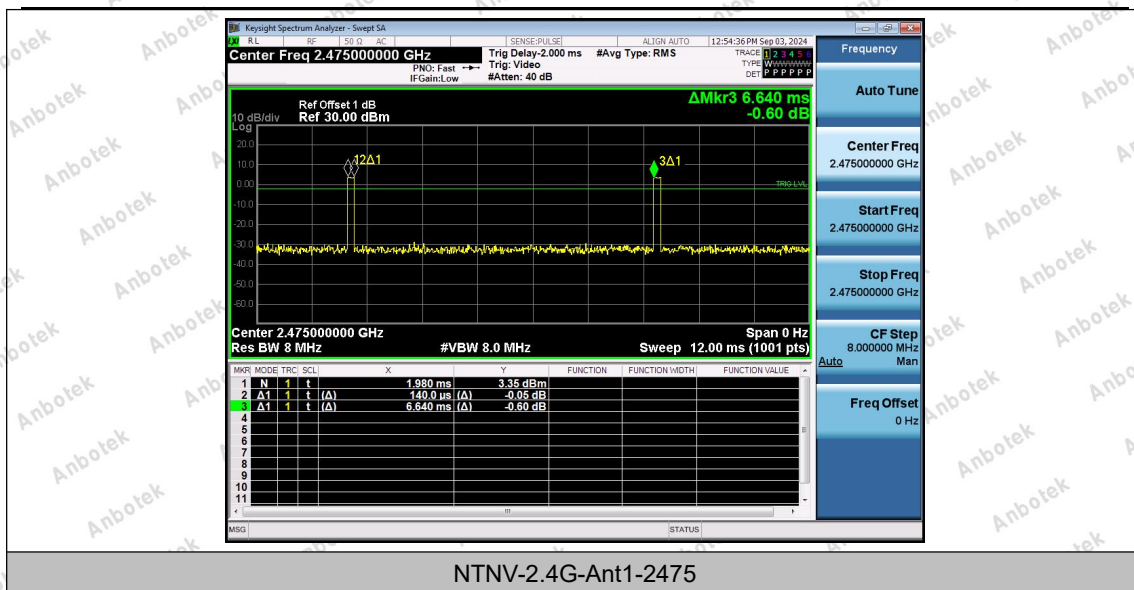
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2405	0.14	6.59	2.12	16.74
2.4G	Ant1	2441	0.14	6.64	2.11	16.76
2.4G	Ant1	2475	0.14	6.64	2.11	16.76

Test Graphs





---End---

