

Appendix Test Data

Report No.:	1812C40080412503	Test Sample No.:	1-2-2
Start Test Date:	2024.09.25	Finish Test Date:	2024.09.25
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	23.5℃	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	1.692	2404.196	2405.888	---	---
2.4G	Ant1	2441	1.765	2440.130	2441.895	---	---
2.4G	Ant1	2475	1.716	2474.169	2475.885	---	---



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	2.1785	2403.7917	2405.9702	---	---
2.4G	Ant1	2441	2.1572	2439.8094	2441.9666	---	---
2.4G	Ant1	2475	2.1494	2473.8216	2475.9710	---	---



Test Graphs



2.4G-Ant1-2405



2.4G-Ant1-2441



2.4G-Ant1-2475

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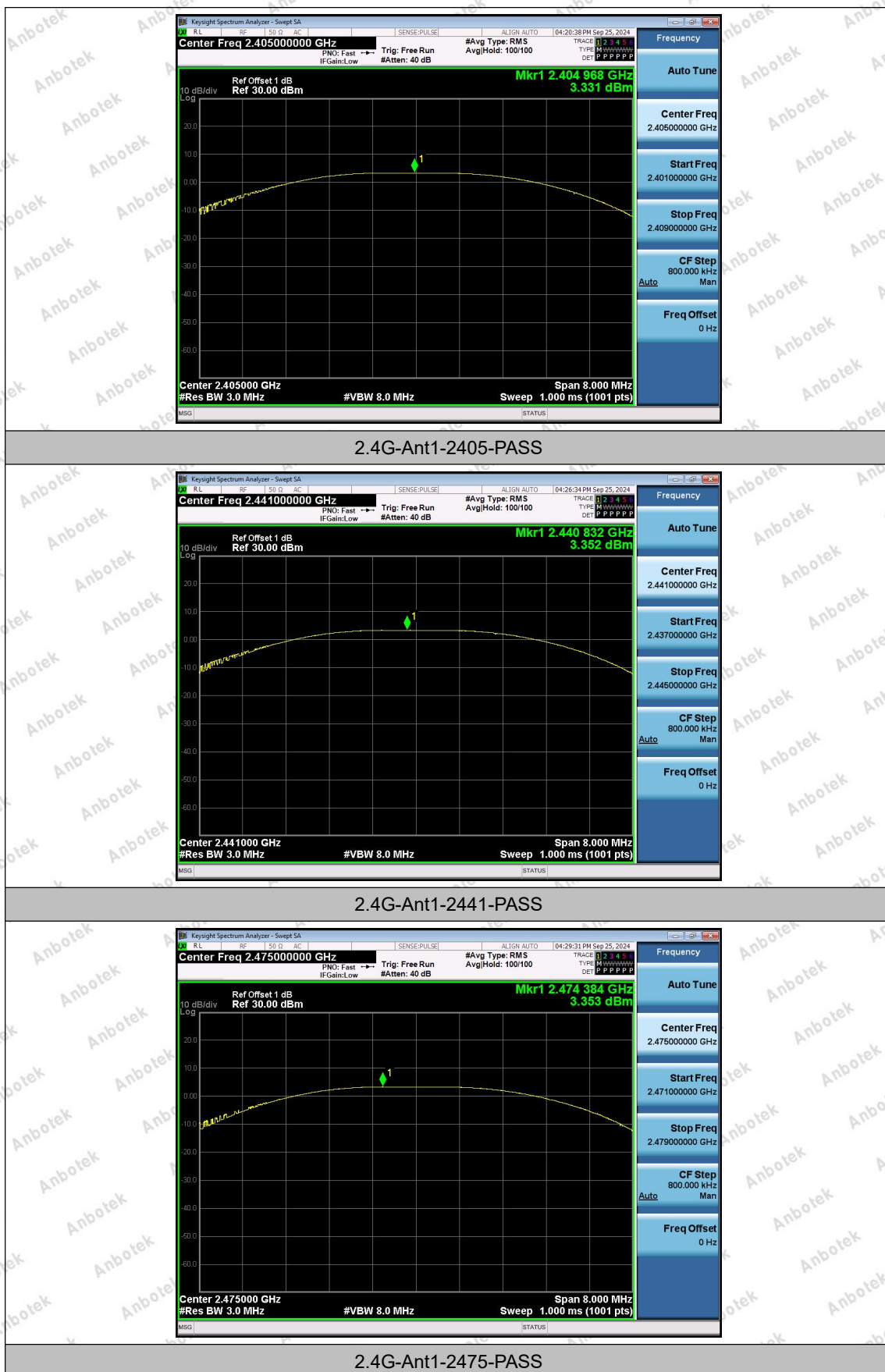
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	3.33	≤20.97	PASS
2.4G	Ant1	2441	3.35	≤20.97	PASS
2.4G	Ant1	2475	3.35	≤20.97	PASS



Test Graphs



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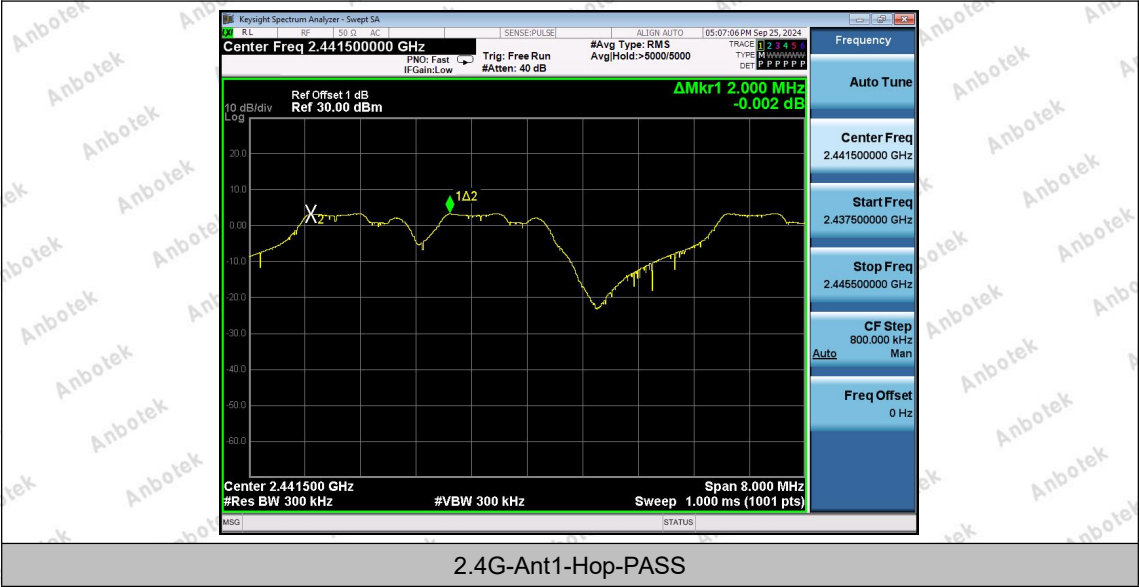


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2	≥1.177	PASS

Test Graphs

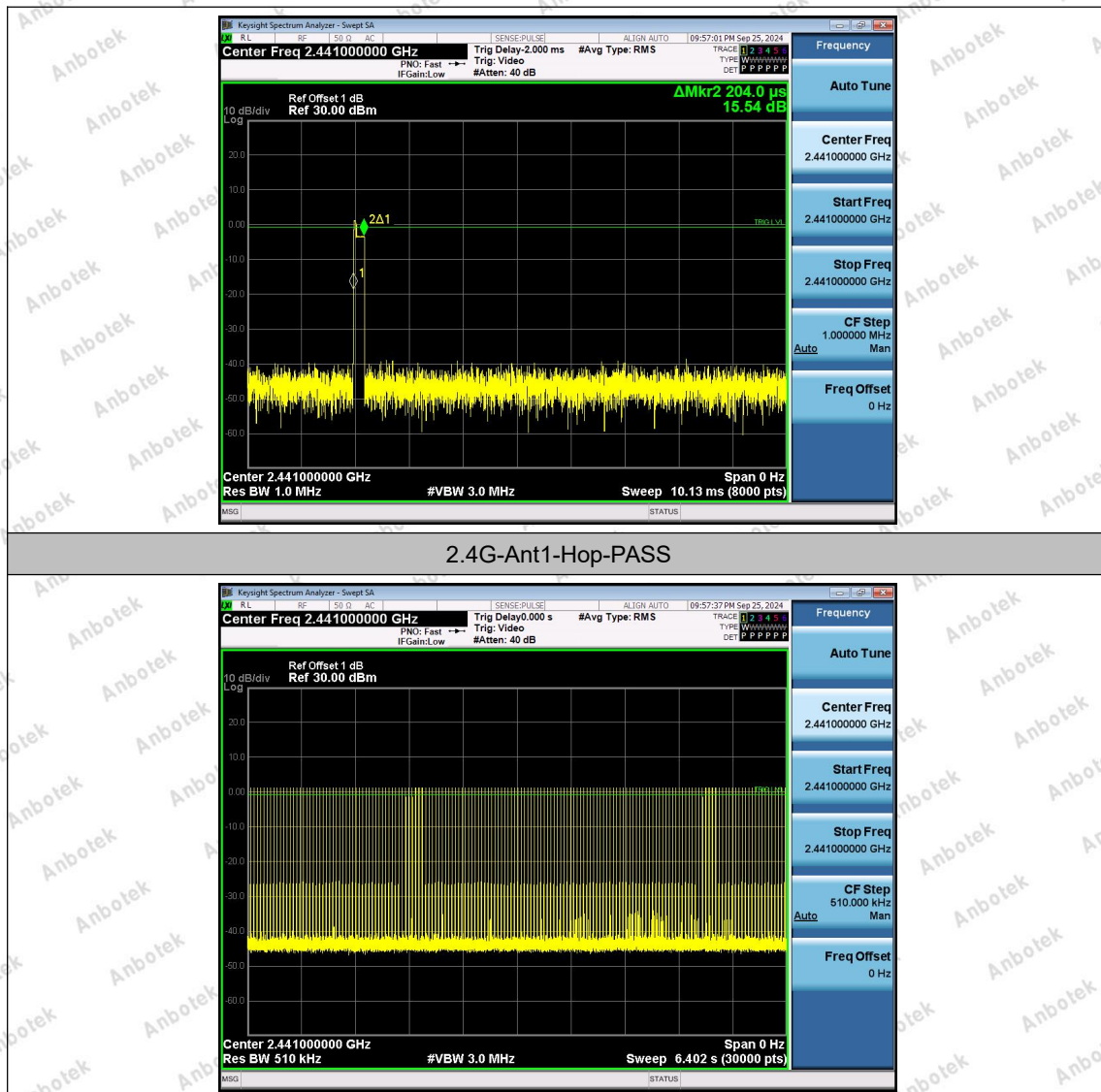


Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.204	163	0.033	≤0.4	PASS

Test Graphs

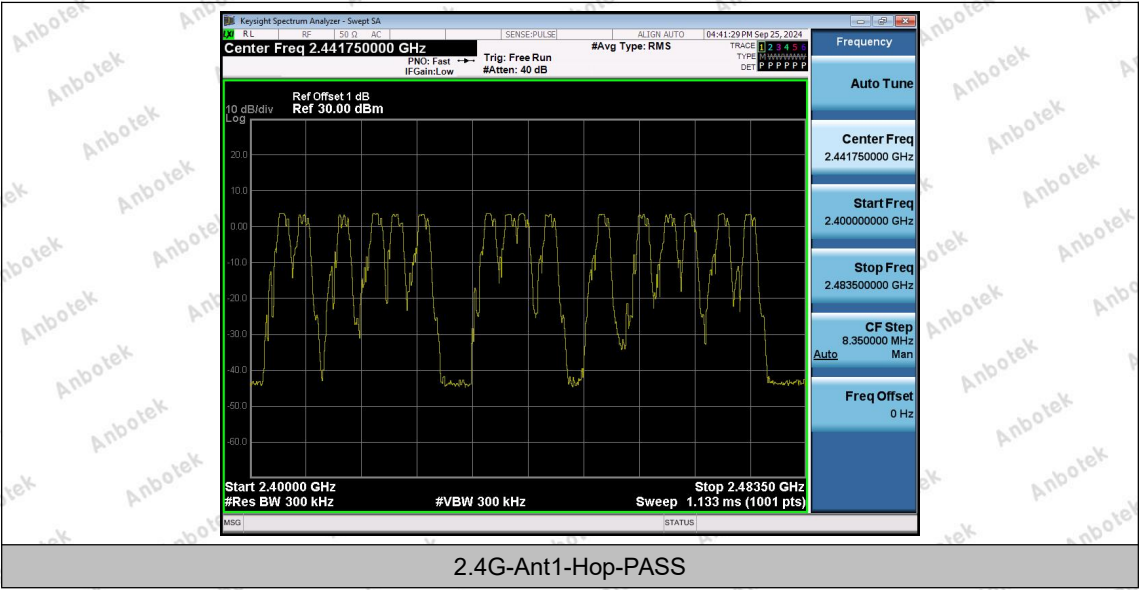


Appendix F: Number of Hopping Channel

Test Result

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

Test Graphs

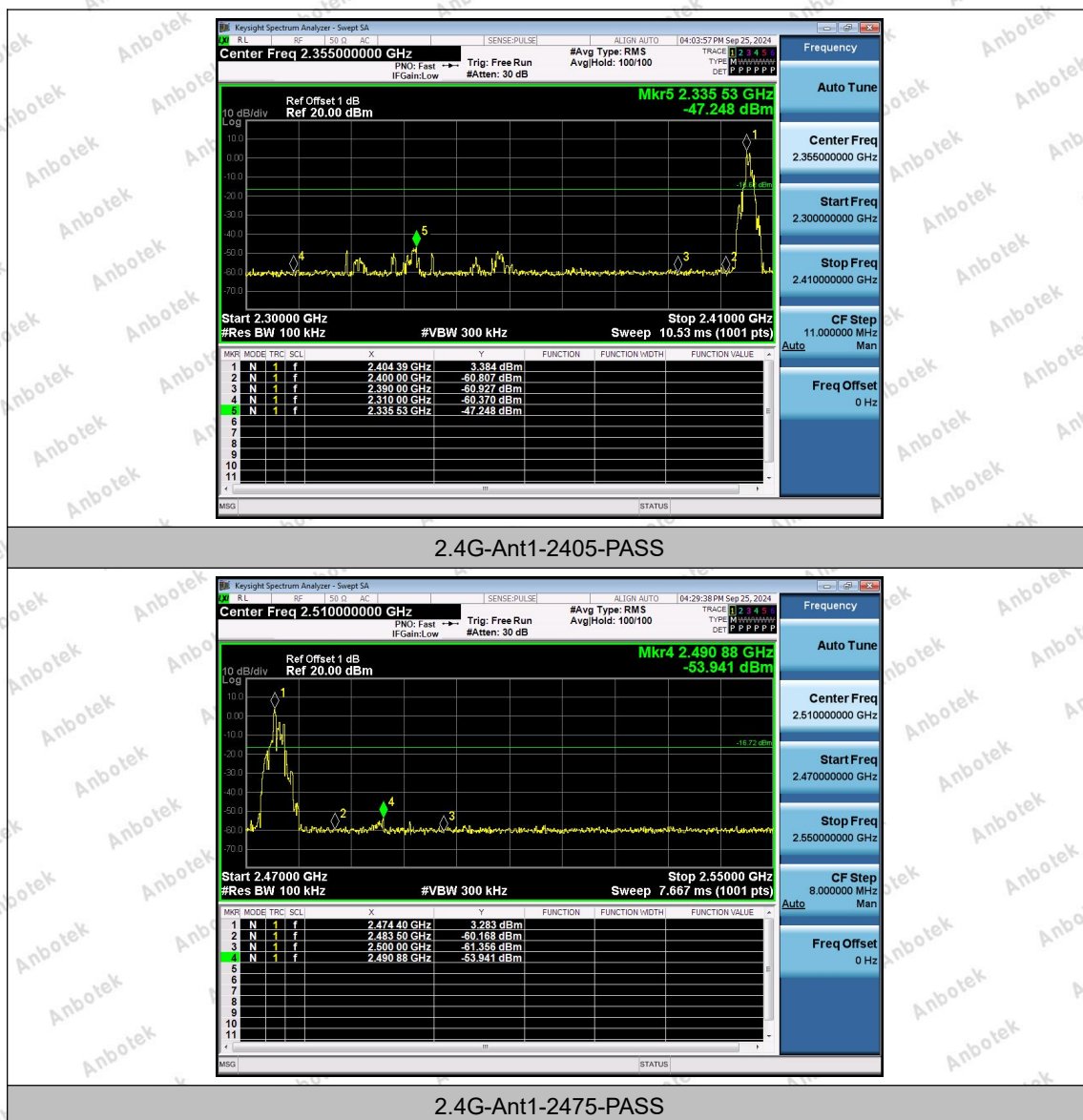


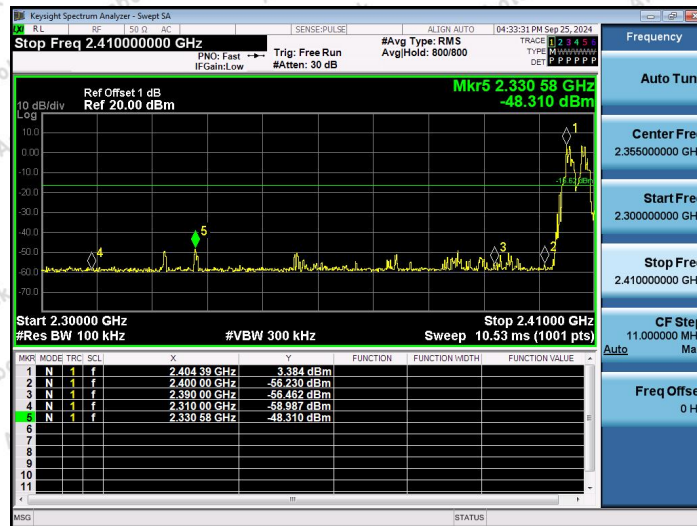
Appendix G: Conducted Band edge

Test Result

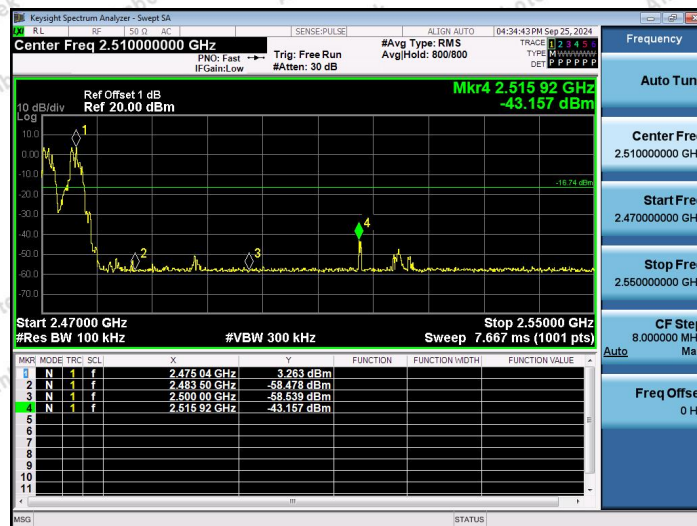
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2405	3.38	-47.25	≤-16.62	PASS
2.4G	Ant1	High	2475	3.28	-53.94	≤-16.72	PASS
2.4G	Ant1	Low	Hop	3.38	-48.31	≤-16.62	PASS
2.4G	Ant1	High	Hop	3.26	-43.16	≤-16.74	PASS

Test Graphs





2.4G-Ant1-Hop-PASS



2.4G-Ant1-Hop-PASS



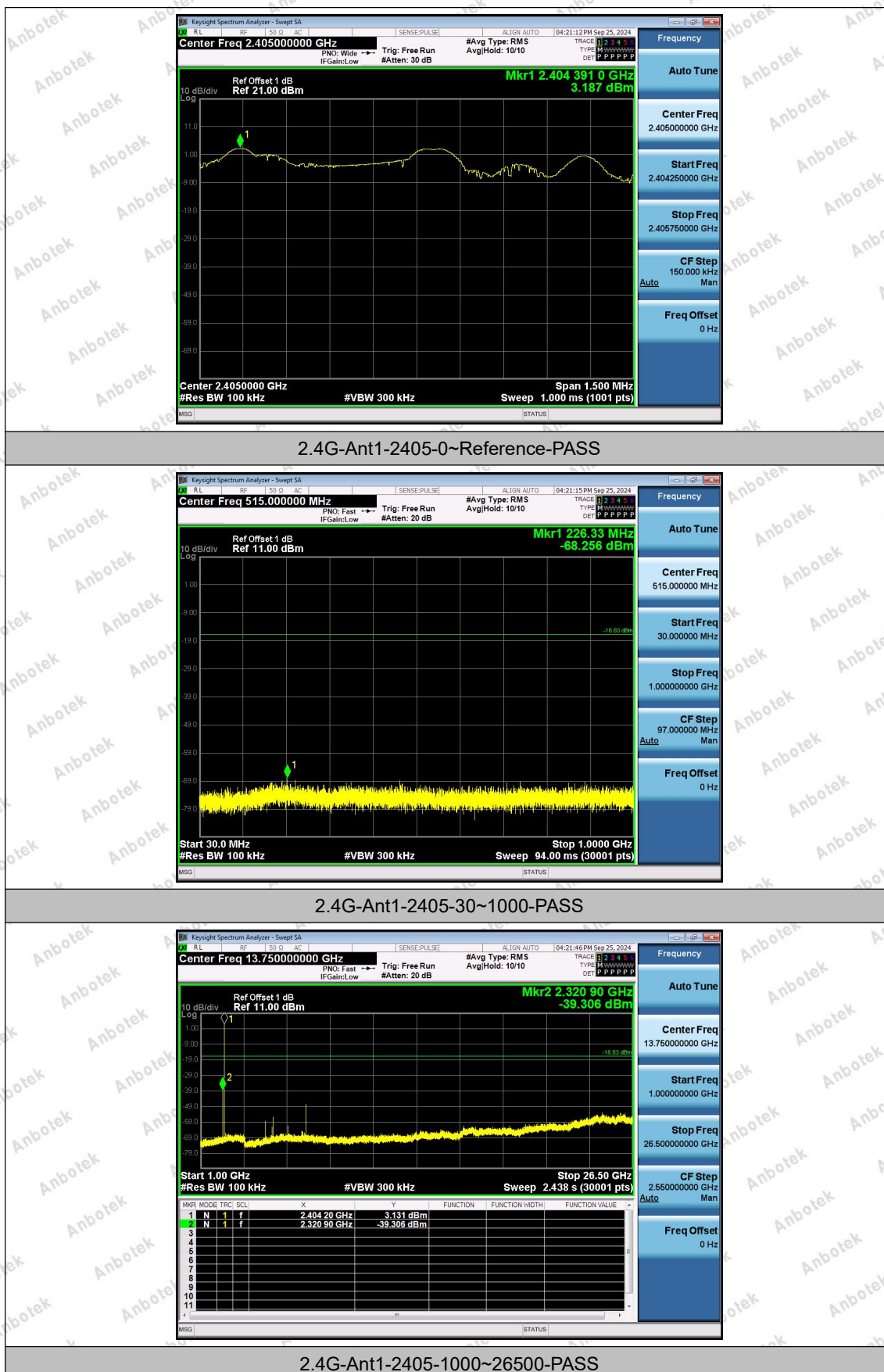
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2405	0~Reference	3.17	3.17	---	PASS
2.4G	Ant1	2405	30~1000	3.17	-68.26	≤-16.83	PASS
2.4G	Ant1	2405	1000~26500	3.17	-39.31	≤-16.83	PASS
2.4G	Ant1	2441	0~Reference	-6.07	-6.07	---	PASS
2.4G	Ant1	2441	30~1000	-6.07	-67.78	≤-26.07	PASS
2.4G	Ant1	2441	1000~26500	-6.07	-49.77	≤-26.07	PASS
2.4G	Ant1	2475	0~Reference	2.00	2.00	---	PASS
2.4G	Ant1	2475	30~1000	2.00	-68.06	≤-18	PASS
2.4G	Ant1	2475	1000~26500	2.00	-41.8	≤-18	PASS



Test Graphs



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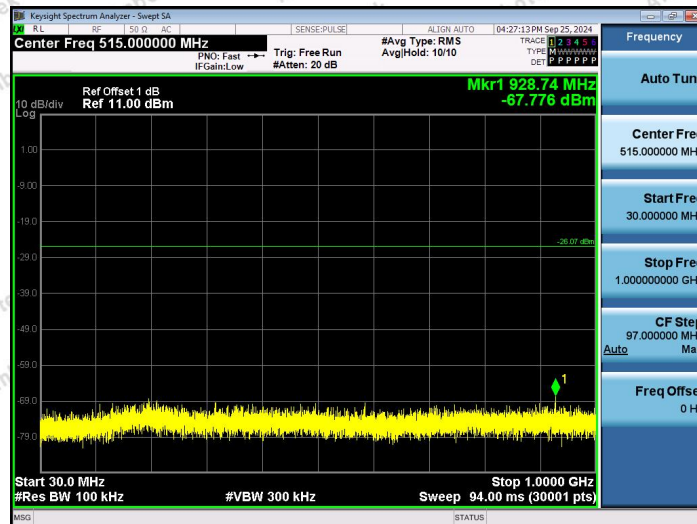


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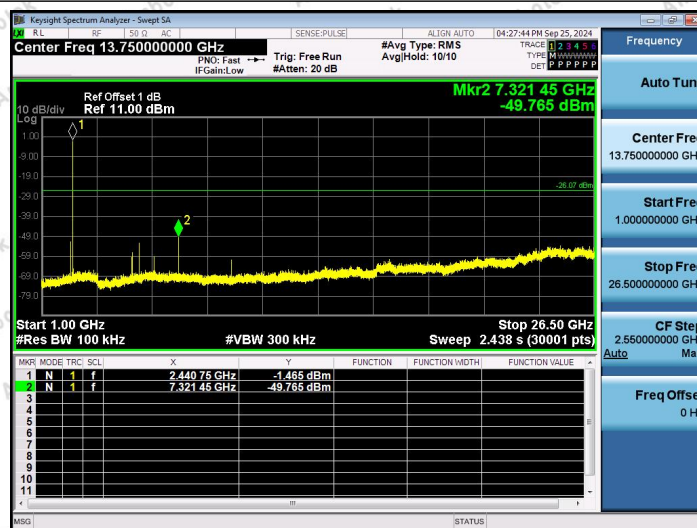




2.4G-Ant1-2441-0~Reference-PASS



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

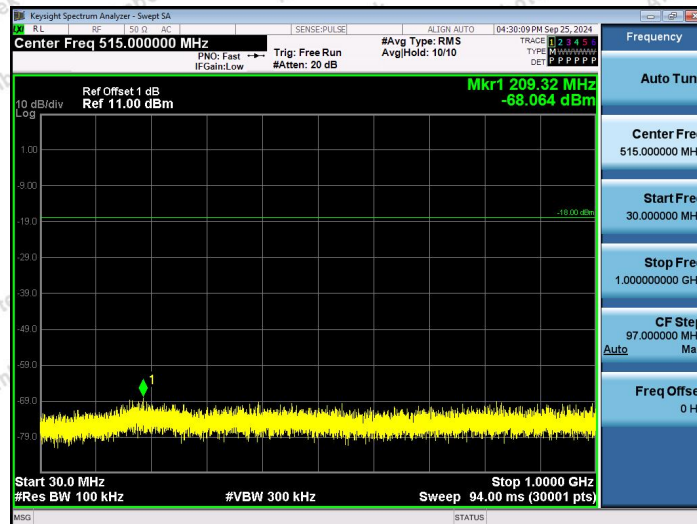


2.4G-Ant1-2441-1000~26500-PASS

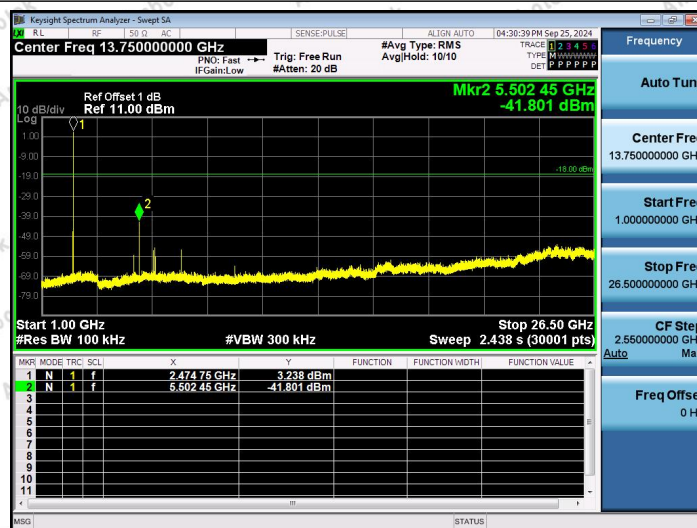




2.4G-Ant1-2475-0~Reference-PASS



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



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

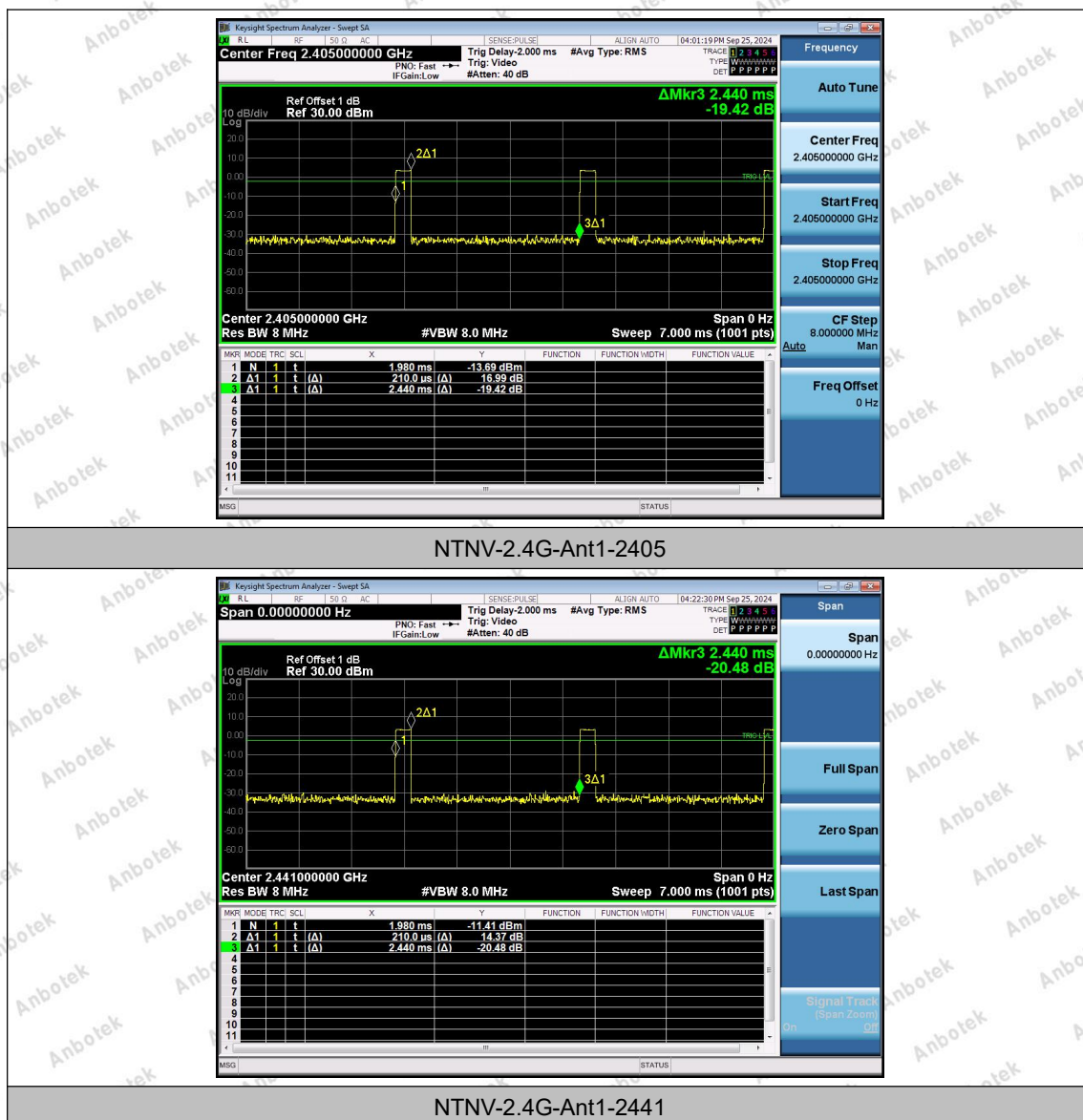


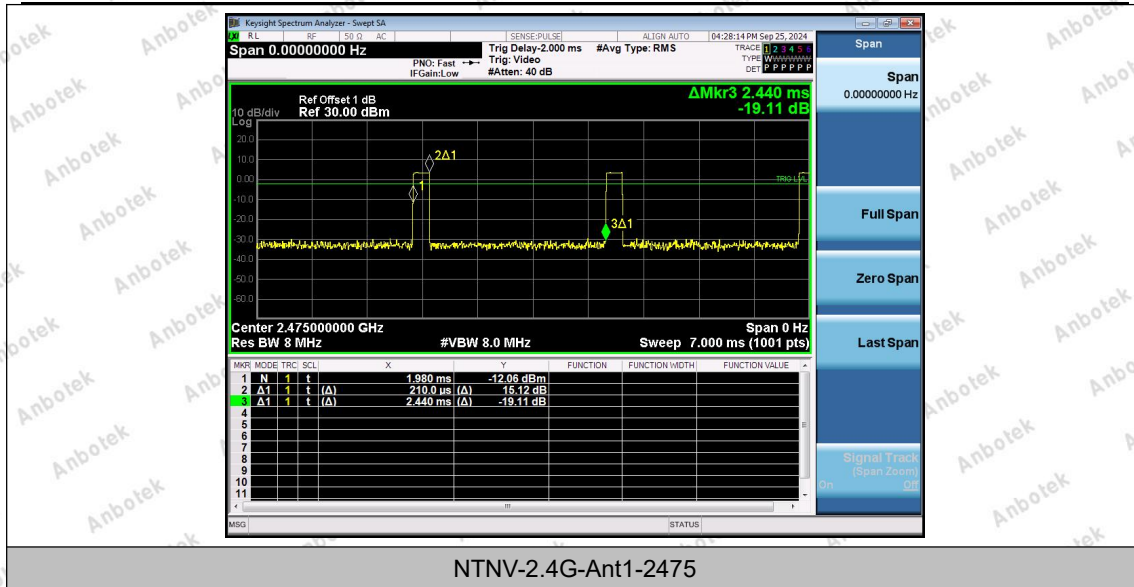
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2405	0.21	2.4G4	8.61	10.65
2.4G	Ant1	2441	0.21	2.4G4	8.61	10.65
2.4G	Ant1	2475	0.21	2.4G4	8.61	10.65

Test Graphs





---End---

