

Appendix Test Data

Report No.:	18220WC40081502	Test Sample No.:	1-2-2
Start Test Date:	2024.04.25	Finish Test Date:	2024.04.27
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	47%
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	2402	1.170	2401.487	2402.657	---	---
2.4G	Ant1	2441	1.206	2440.490	2441.696	---	---
2.4G	Ant1	2480	1.200	2479.493	2480.693	---	---



Test Graphs



2.4G-Ant1-2402



2.4G-Ant1-2441



2.4G-Ant1-2480

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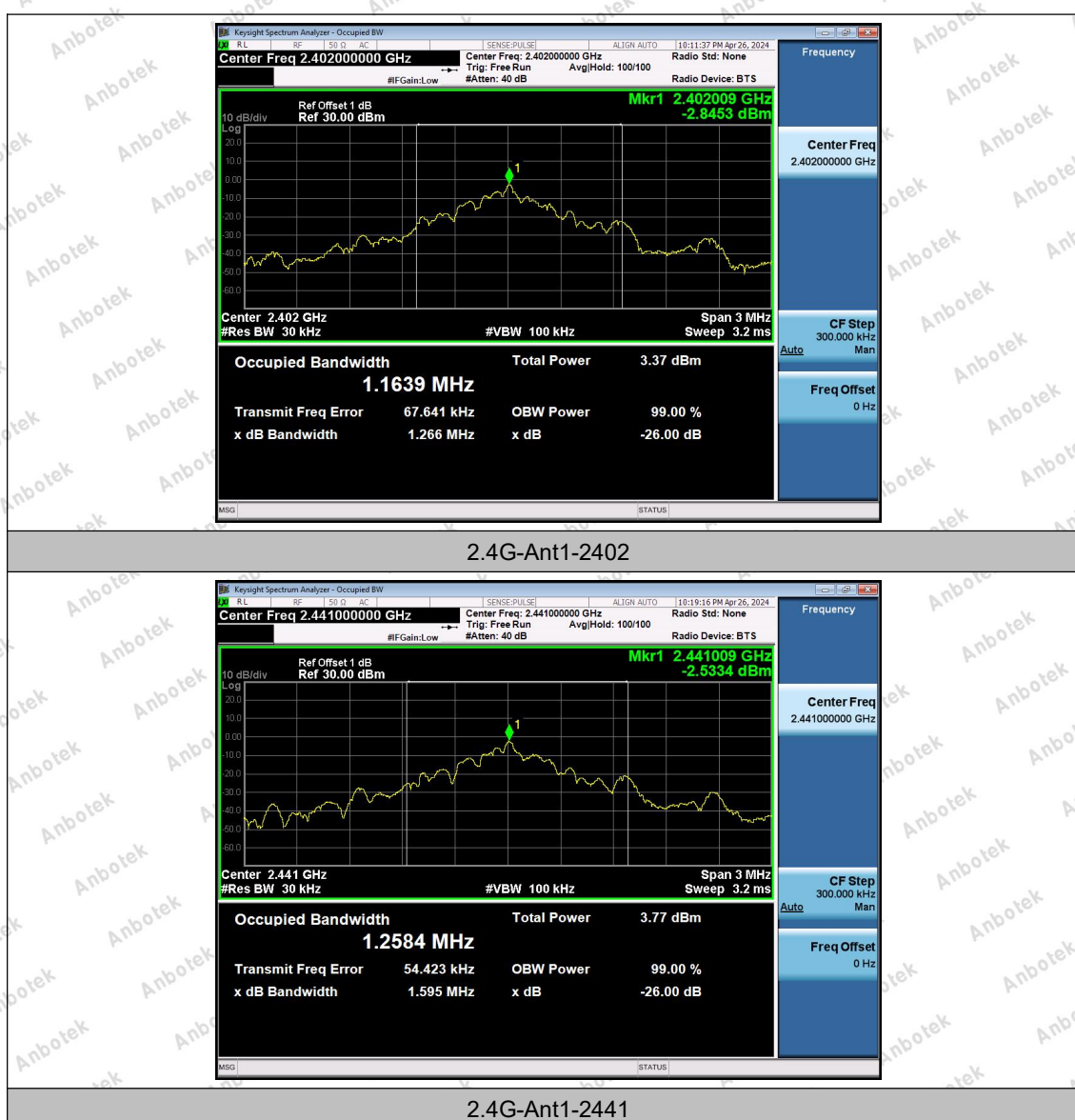


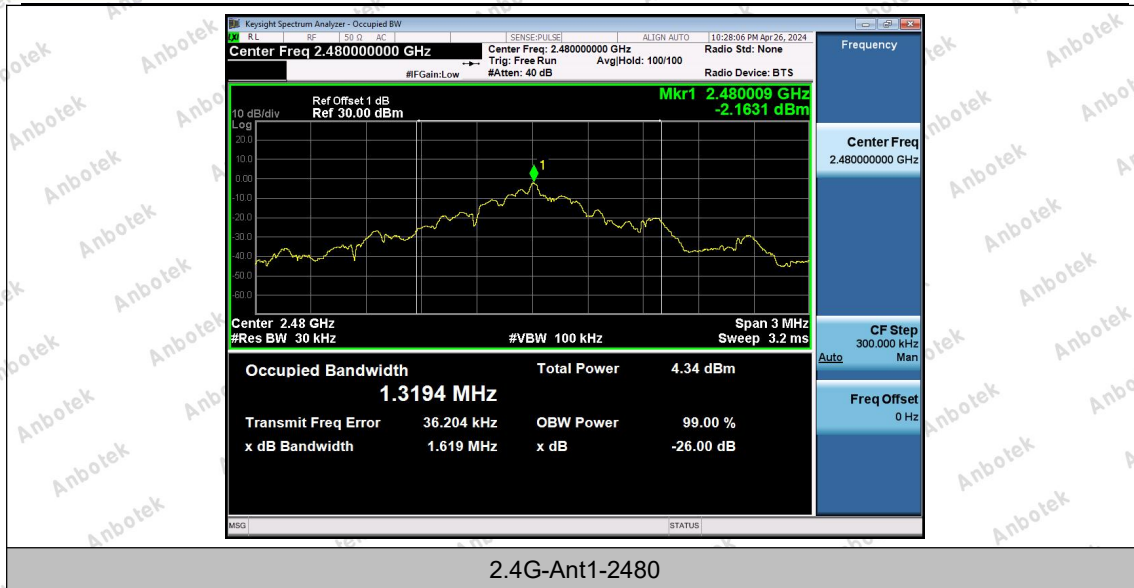
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	1.1639	2401.4857	2402.6496	---	---
2.4G	Ant1	2441	1.2584	2440.4252	2441.6836	---	---
2.4G	Ant1	2480	1.3194	2479.3765	2480.6959	---	---

Test Graphs





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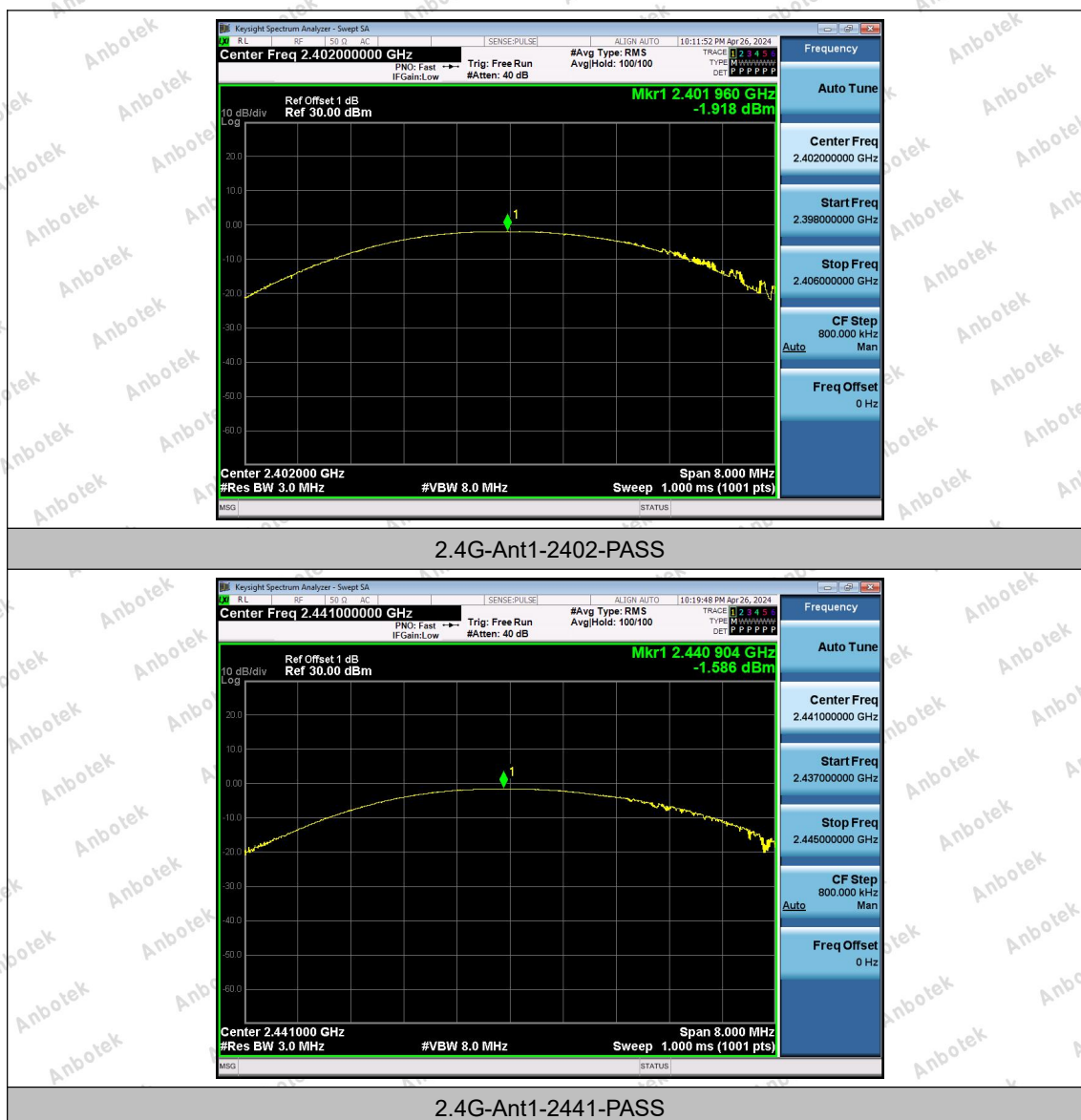


Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402	-1.92	≤20.97	PASS
2.4G	Ant1	2441	-1.59	≤20.97	PASS
2.4G	Ant1	2480	-1.31	≤20.97	PASS

Test Graphs





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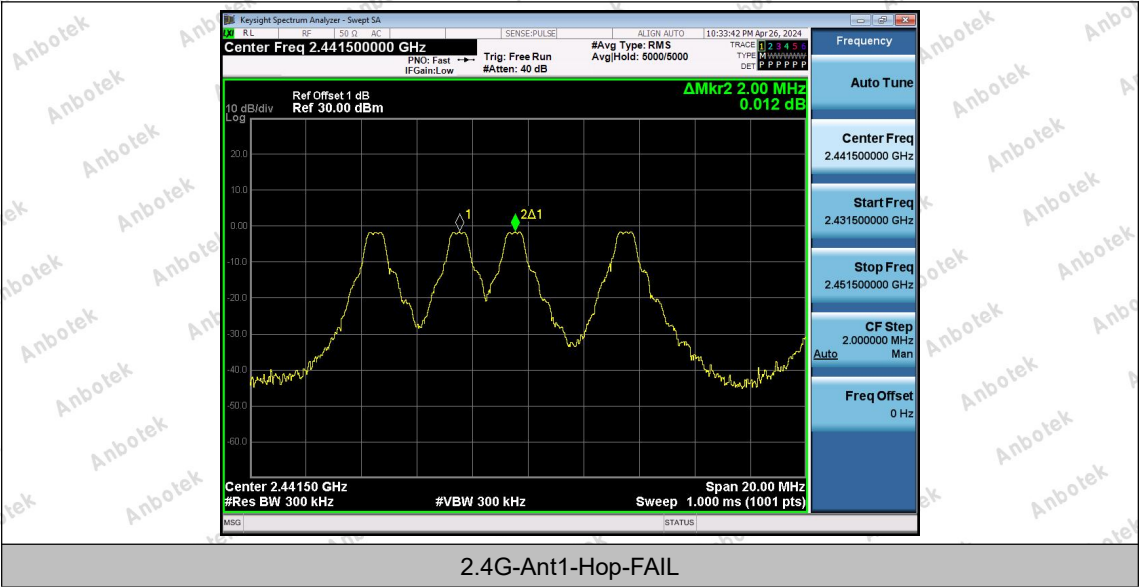


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.00	≥0.804	PASS

Test Graphs

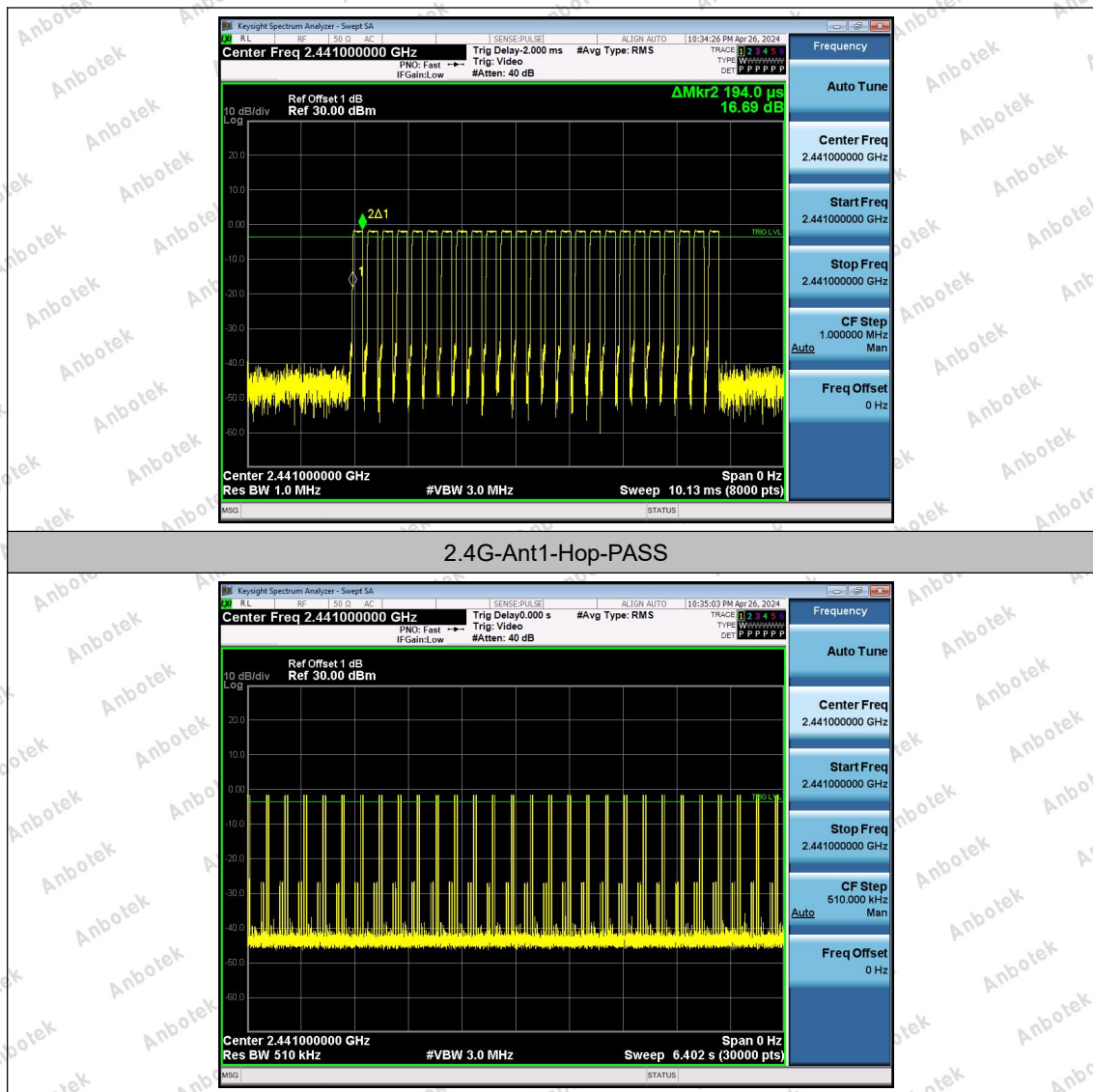


Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.194	58	0.011	≤0.4	PASS

Test Graphs

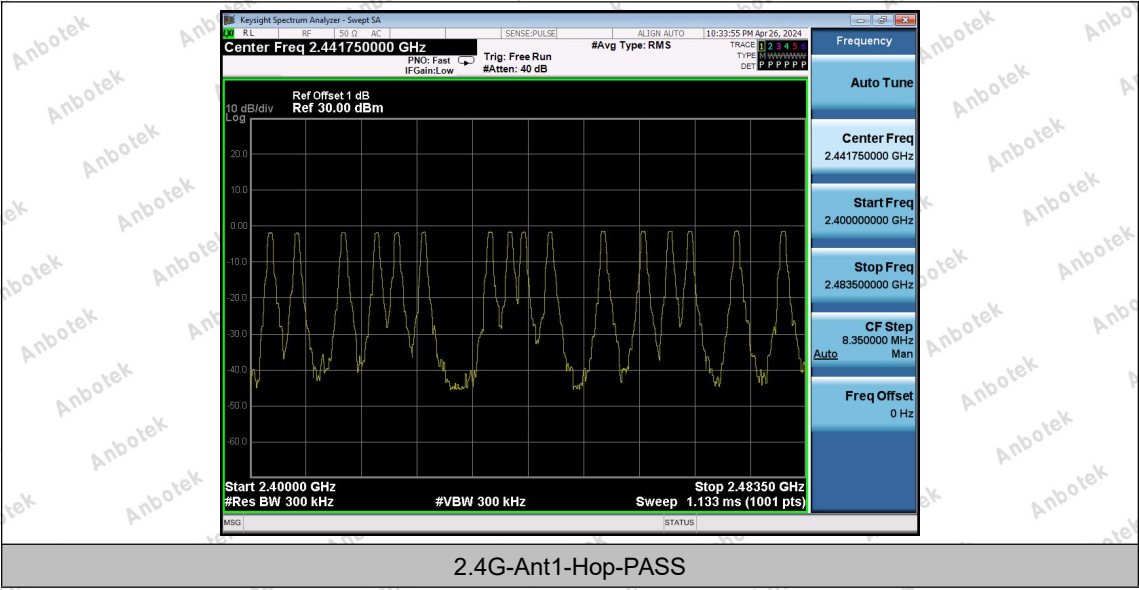


Appendix F: Number of Hopping Channel

Test Result

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

Test Graphs

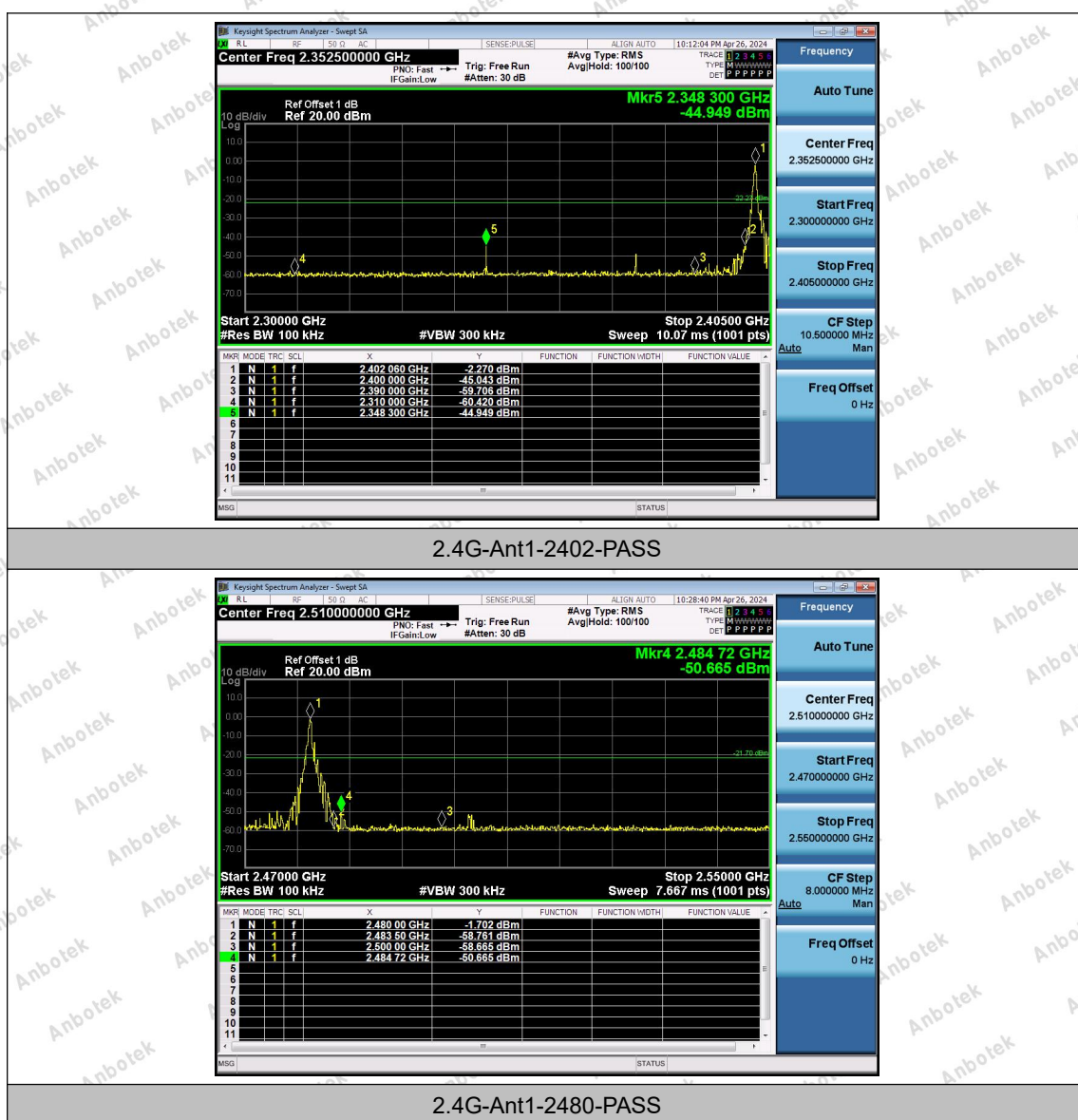


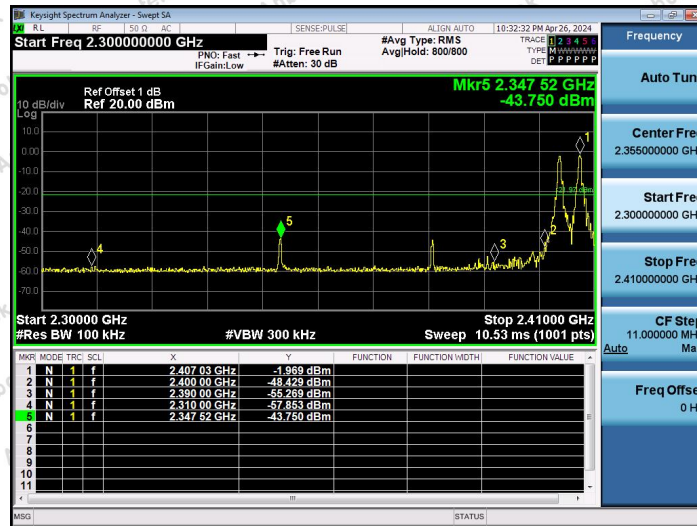
Appendix G: Conducted Band edge

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402	-2.27	-44.95	≤-22.27	PASS
2.4G	Ant1	High	2480	-1.70	-50.67	≤-21.7	PASS
2.4G	Ant1	Low	Hop_2402	-1.97	-43.75	≤-21.97	PASS
2.4G	Ant1	High	Hop_2480	-1.38	-45.23	≤-21.38	PASS

Test Graphs





2.4G-Ant1-Hop_2402-PASS



2.4G-Ant1-Hop_2480-PASS



Appendix H: Conducted Spurious Emission

Test Result

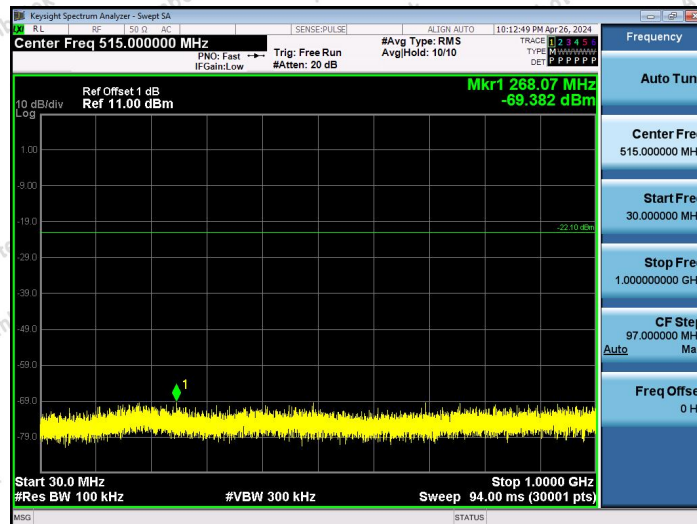
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402	0~Reference	-2.10	-2.10	---	PASS
2.4G	Ant1	2402	30~1000	-2.10	-69.38	≤-22.1	PASS
2.4G	Ant1	2402	1000~26500	-2.10	-53.12	≤-22.1	PASS
2.4G	Ant1	2441	0~Reference	-1.79	-1.79	---	PASS
2.4G	Ant1	2441	30~1000	-1.79	-68.93	≤-21.79	PASS
2.4G	Ant1	2441	1000~26500	-1.79	-31.3	≤-21.79	PASS
2.4G	Ant1	2480	0~Reference	-1.46	-1.46	---	PASS
2.4G	Ant1	2480	30~1000	-1.46	-69.15	≤-21.46	PASS
2.4G	Ant1	2480	1000~26500	-1.46	-34.14	≤-21.46	PASS



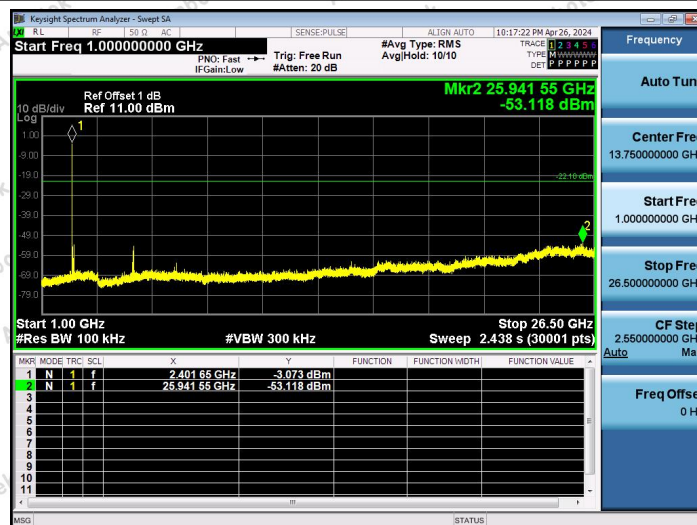
Test Graphs



2.4G-Ant1-2402-0~Reference-PASS



2.4G-Ant1-2402-30~1000-PASS



2.4G-Ant1-2402-1000~26500-PASS

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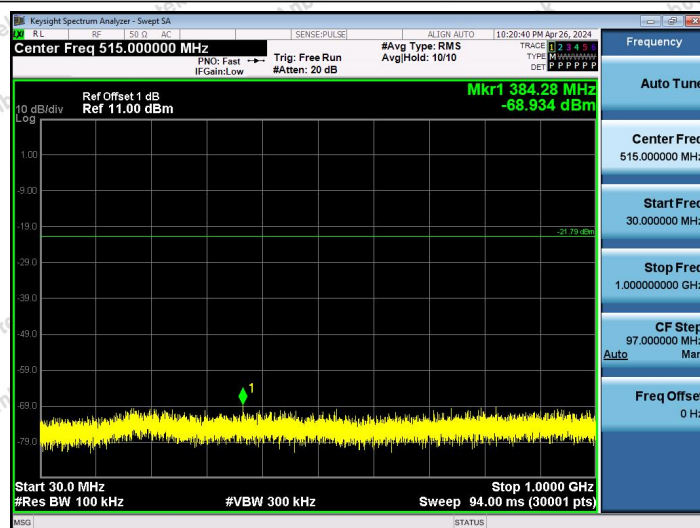


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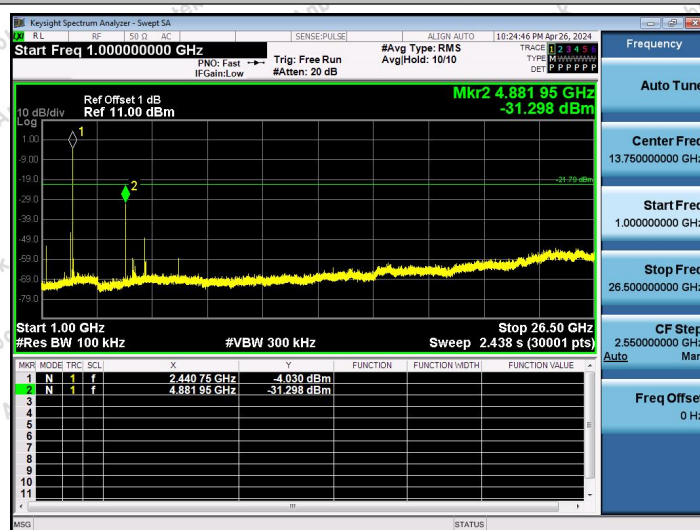




2.4G-Ant1-2441-0~Reference-PASS



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



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

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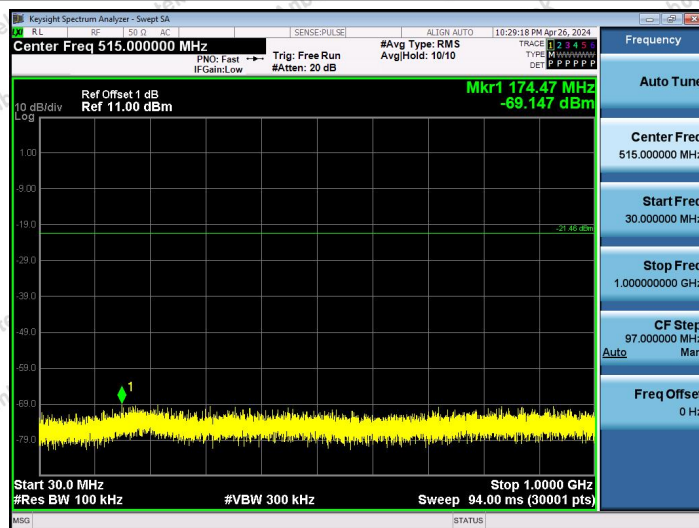


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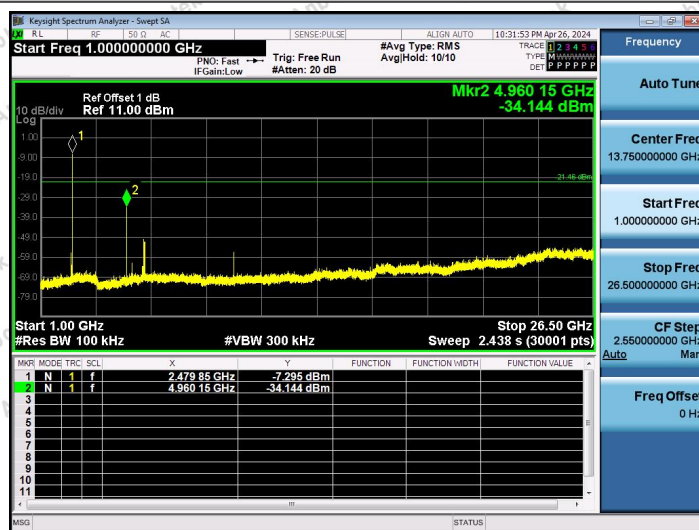




2.4G-Ant1-2480-0~Reference-PASS



2.4G-Ant1-2480-30~1000-PASS



2.4G-Ant1-2480-1000~26500-PASS

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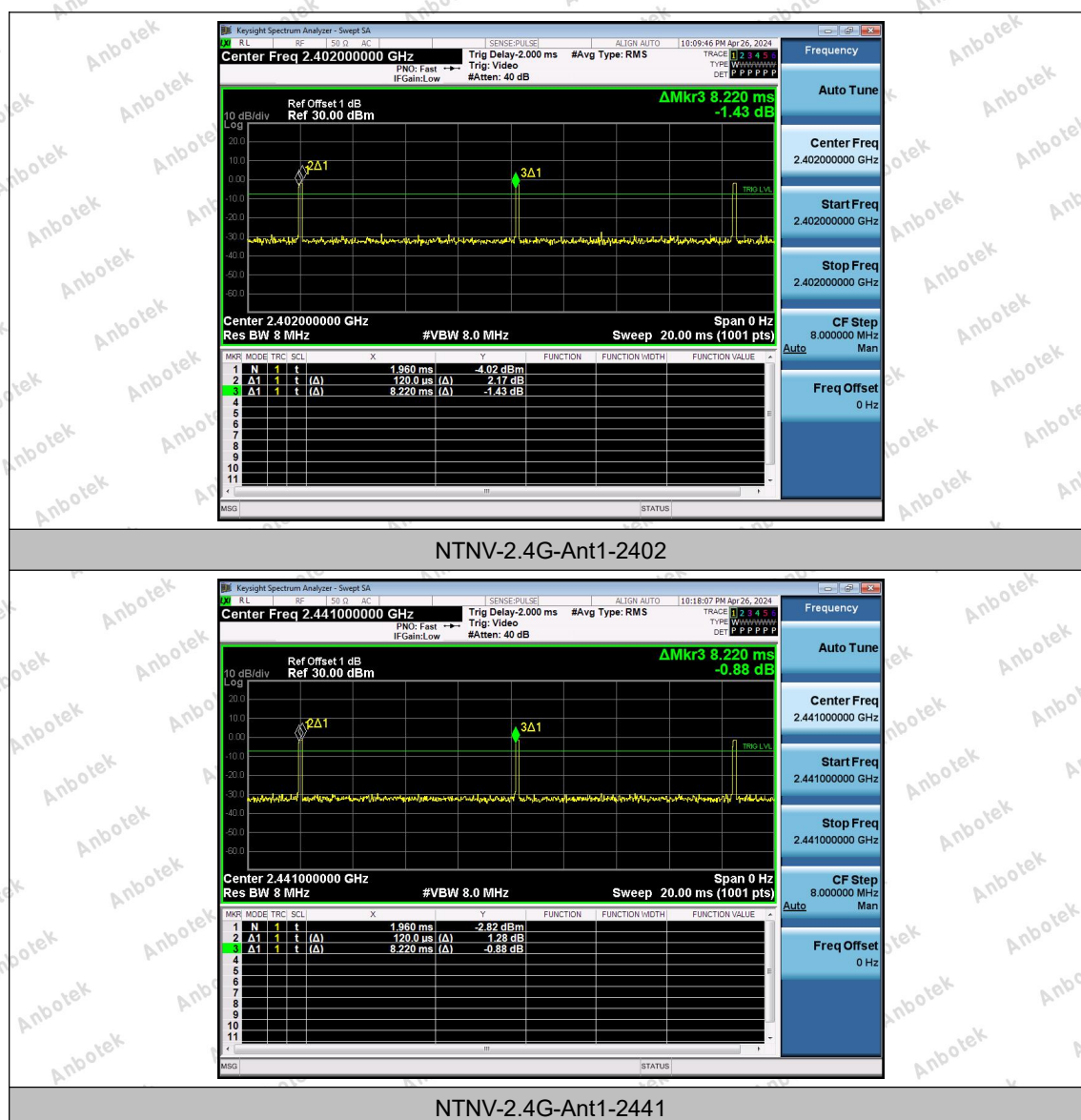


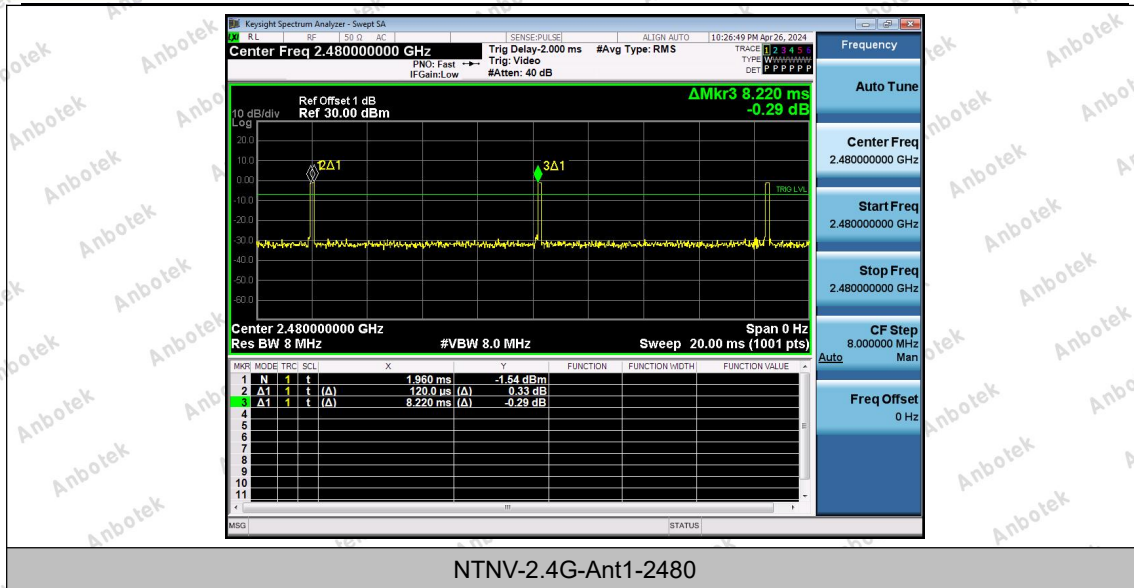
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402	0.12	8.22	1.46	18.36
2.4G	Ant1	2441	0.12	8.22	1.46	18.36
2.4G	Ant1	2480	0.12	8.22	1.46	18.36

Test Graphs





---End---

