

Appendix Test Data

Report No.:	18220WC40066402	Test Sample No.:	1-2-2
Start Test Date:	2024.5.30	Finish Test Date:	2024.6.18
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	47%
Pressure:	101kPa		

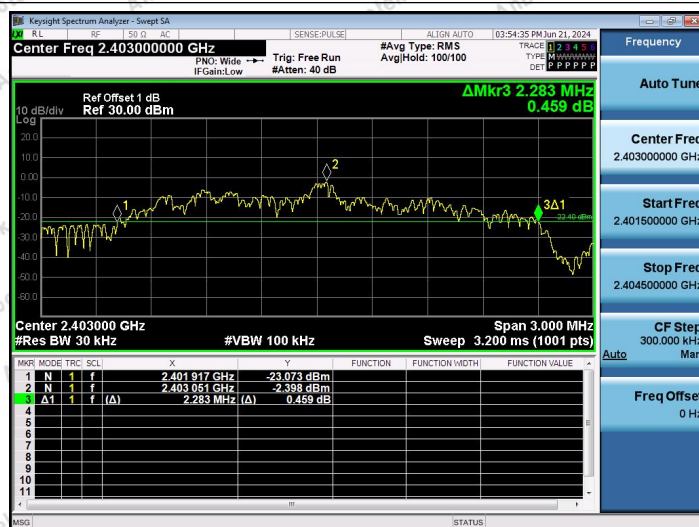
Appendix A: 20dB Bandwidth

Test Result

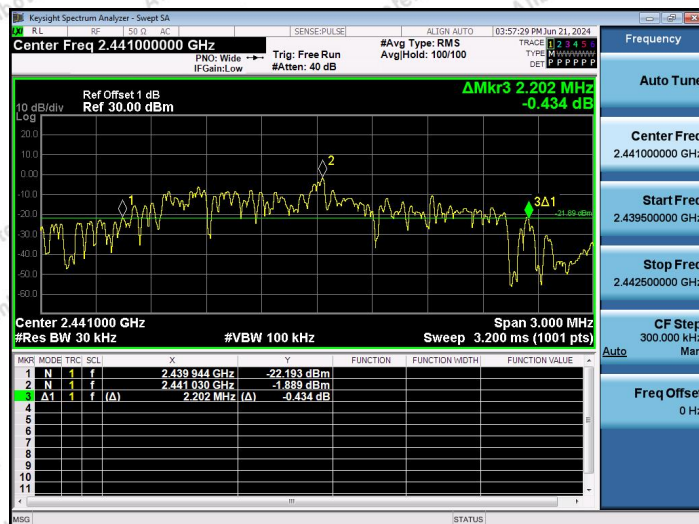
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.283	2401.917	2404.200	---	---
2.4G	Ant1	2441	2.202	2439.944	2442.146	---	---
2.4G	Ant1	2480	2.172	2478.965	2481.137	---	---



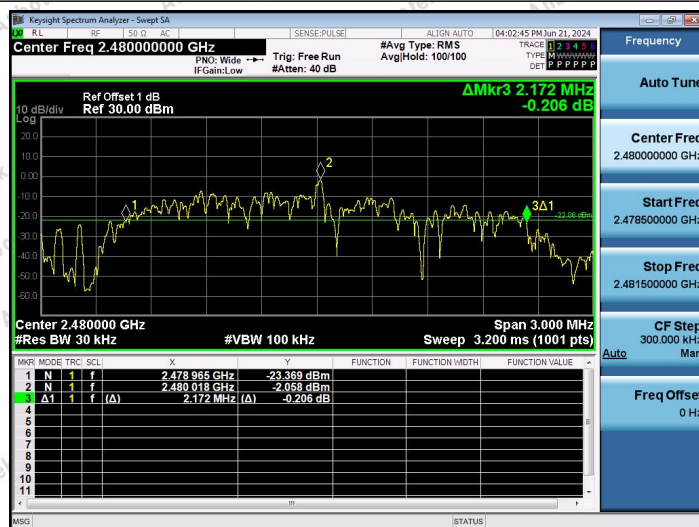
Test Graphs



2.4G-Ant1-2403



2.4G-Ant1-2441



2.4G-Ant1-2480

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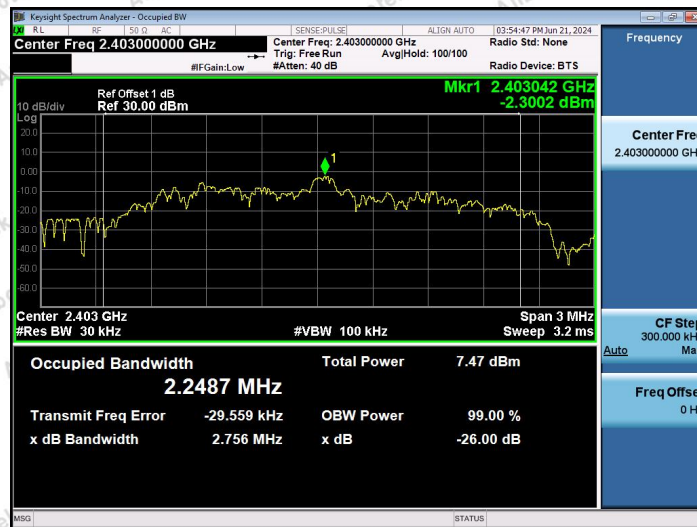
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.2487	2401.8461	2404.0948	---	---
2.4G	Ant1	2441	2.3564	2439.7683	2442.1247	---	---
2.4G	Ant1	2480	2.2798	2478.7917	2481.0715	---	---



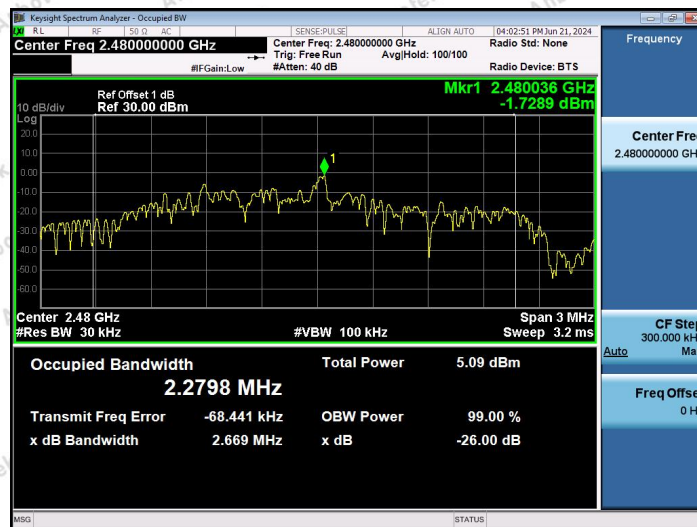
Test Graphs



2.4G-Ant1-2403



2.4G-Ant1-2441



2.4G-Ant1-2480

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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	2403	2.30	≤20.97	PASS
2.4G	Ant1	2441	1.84	≤20.97	PASS
2.4G	Ant1	2480	1.36	≤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	2.18	≥1.468	PASS

Test Graphs

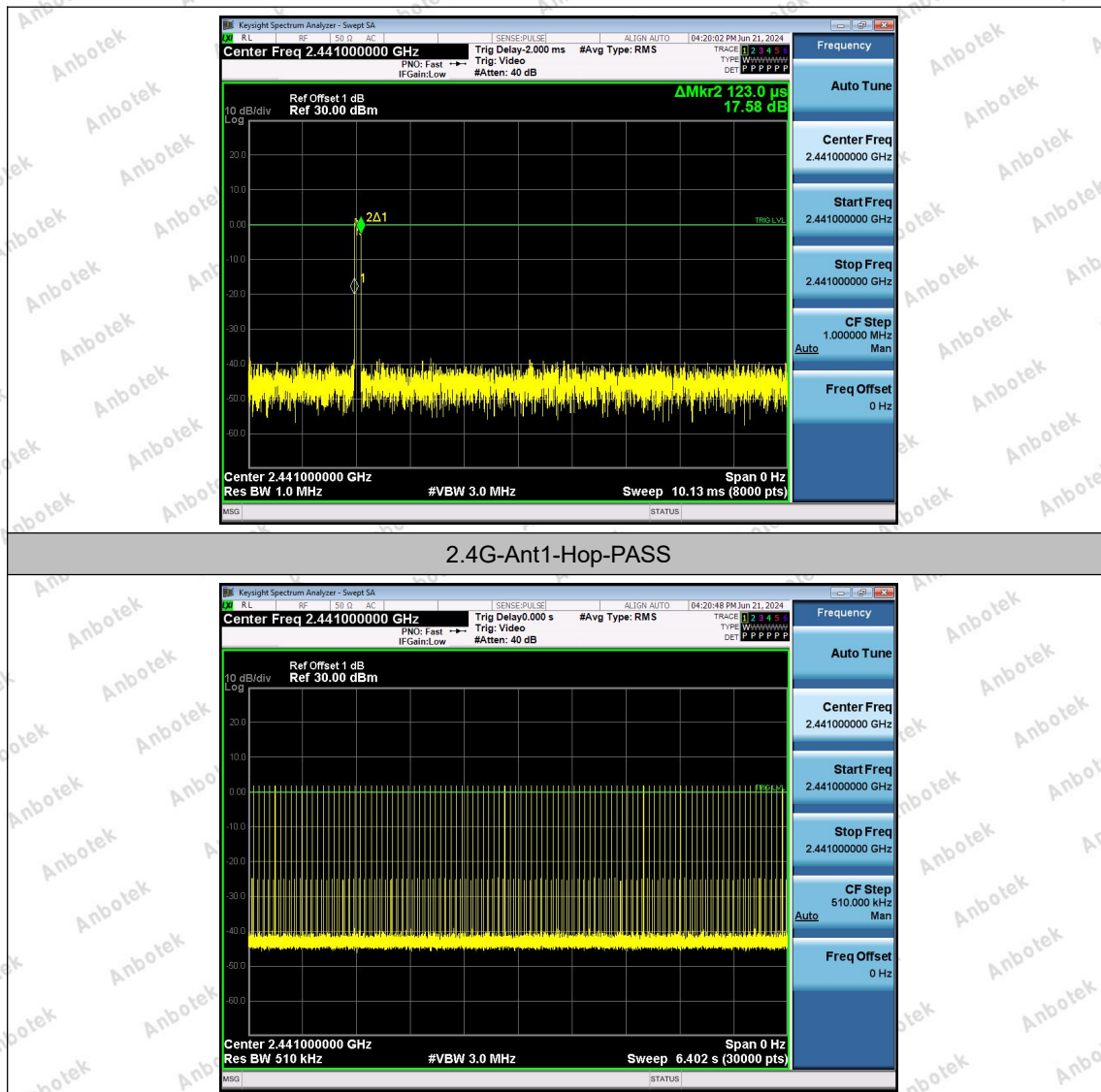


Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.123	498	0.061	≤0.4	PASS

Test Graphs

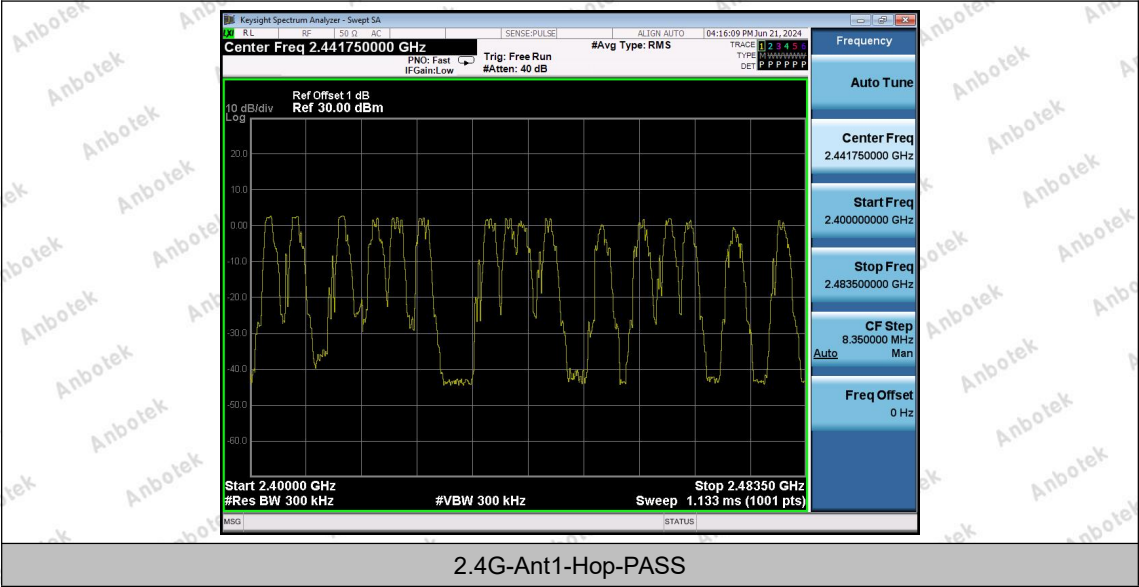


Appendix F: Number of Hopping Channel

Test Result

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

Test Graphs



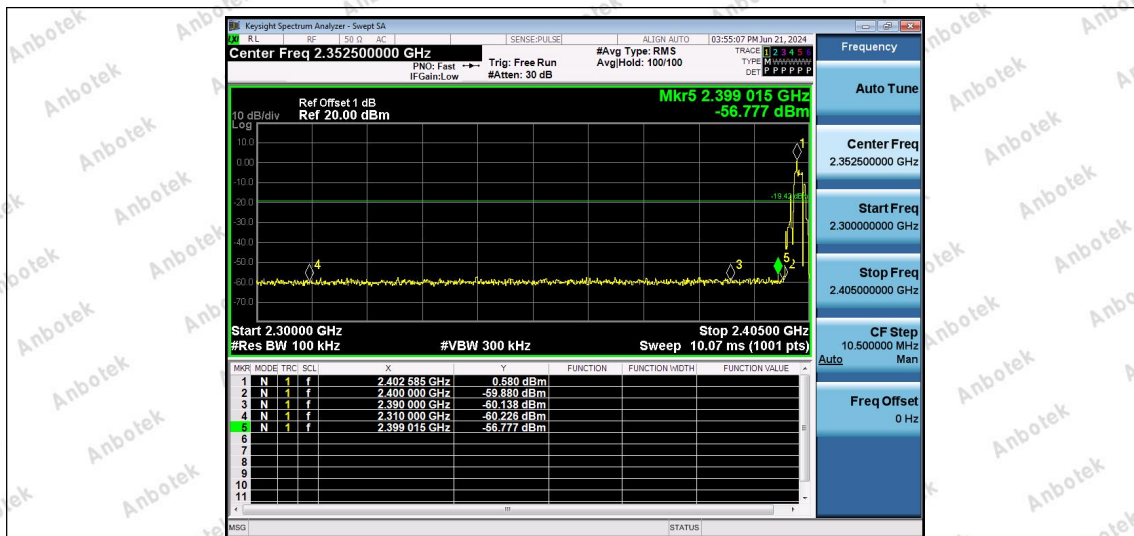
Appendix G: Conducted Band edge

Test Result

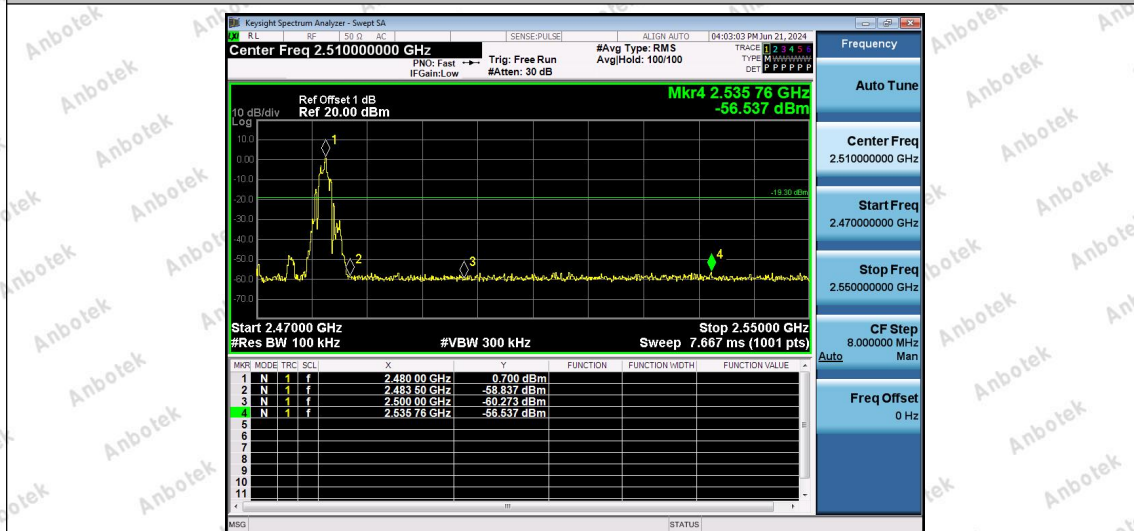
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	0.58	-56.78	≤-19.42	PASS
2.4G	Ant1	High	2480	0.70	-56.54	≤-19.3	PASS
2.4G	Ant1	Low	Hop_2402	-4.46	-50.03	≤-24.46	PASS
2.4G	Ant1	High	Hop_2480	-4.76	-44.23	≤-24.76	PASS



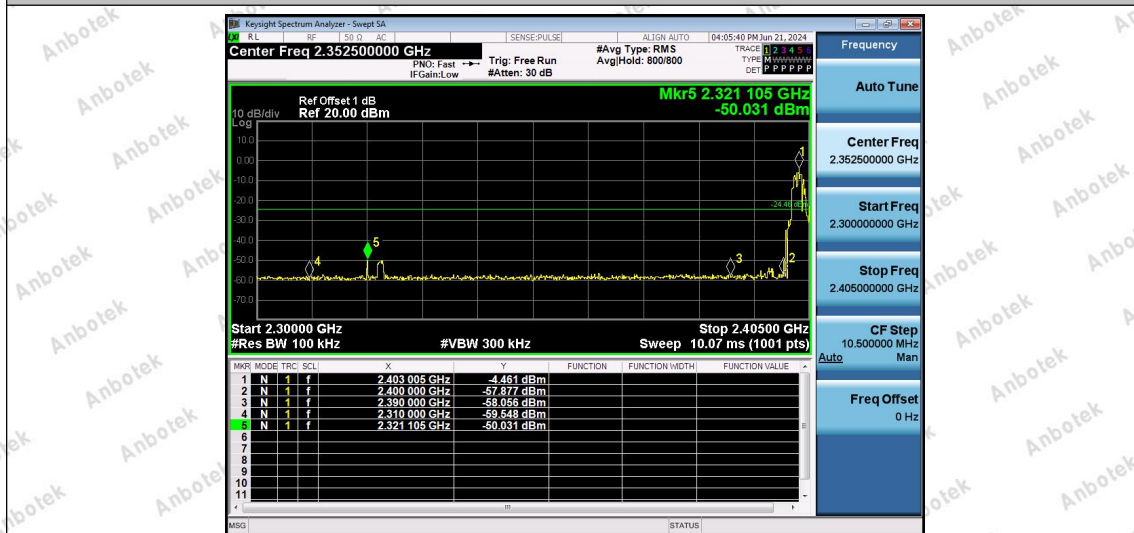
Test Graphs



2.4G-Ant1-2403-PASS



2.4G-Ant1-2480-PASS



2.4G-Ant1-Hop_2402-PASS

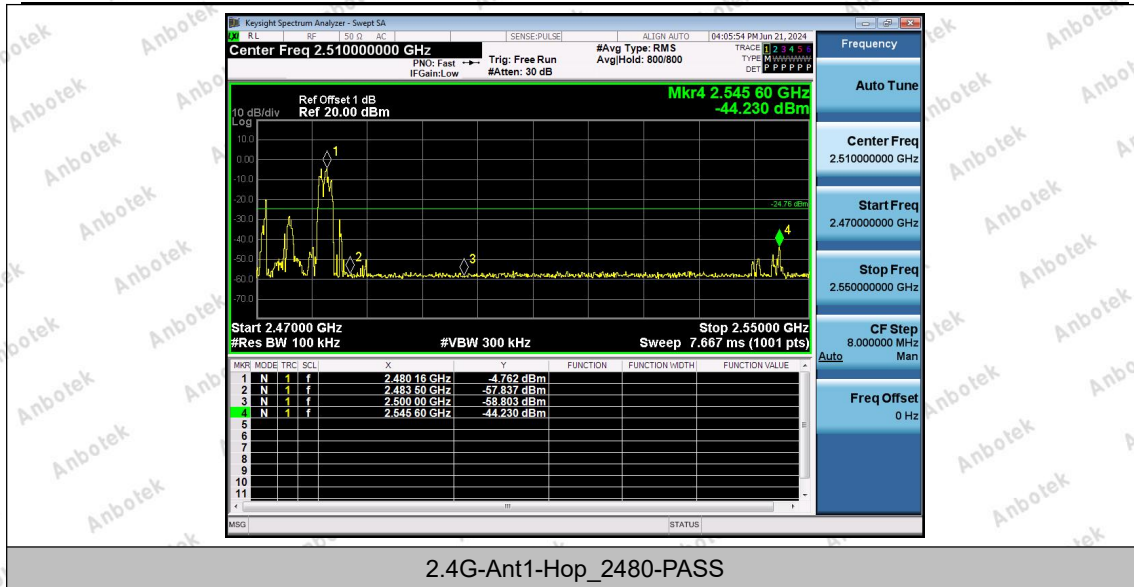
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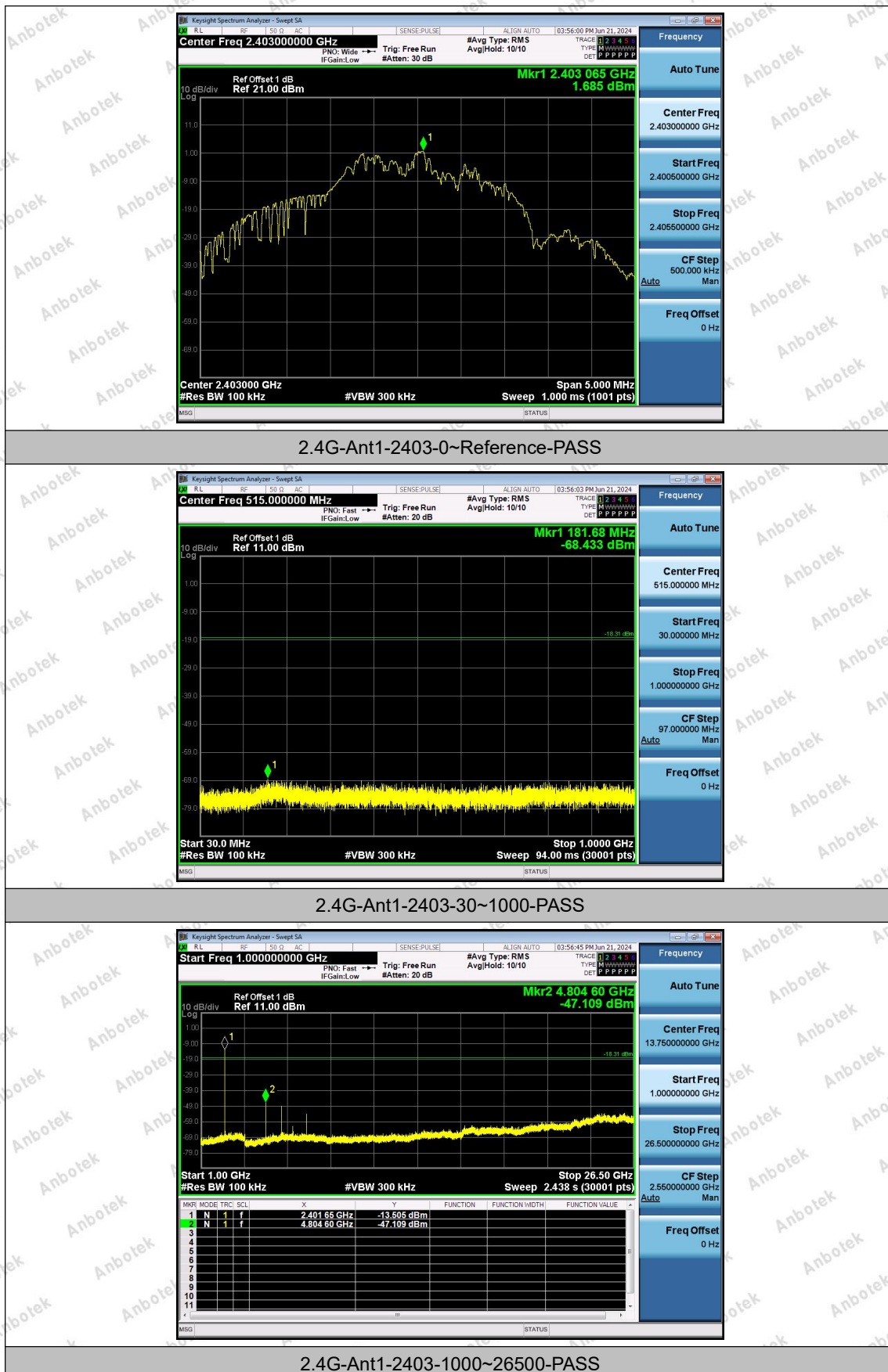
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	1.69	1.69	---	PASS
2.4G	Ant1	2403	30~1000	1.69	-68.43	≤-18.31	PASS
2.4G	Ant1	2403	1000~26500	1.69	-47.11	≤-18.31	PASS
2.4G	Ant1	2441	0~Reference	1.63	1.63	---	PASS
2.4G	Ant1	2441	30~1000	1.63	-68.81	≤-18.37	PASS
2.4G	Ant1	2441	1000~26500	1.63	-52.06	≤-18.37	PASS
2.4G	Ant1	2480	0~Reference	1.13	1.13	---	PASS
2.4G	Ant1	2480	30~1000	1.13	-67.62	≤-18.87	PASS
2.4G	Ant1	2480	1000~26500	1.13	-52.53	≤-18.87	PASS



Test Graphs



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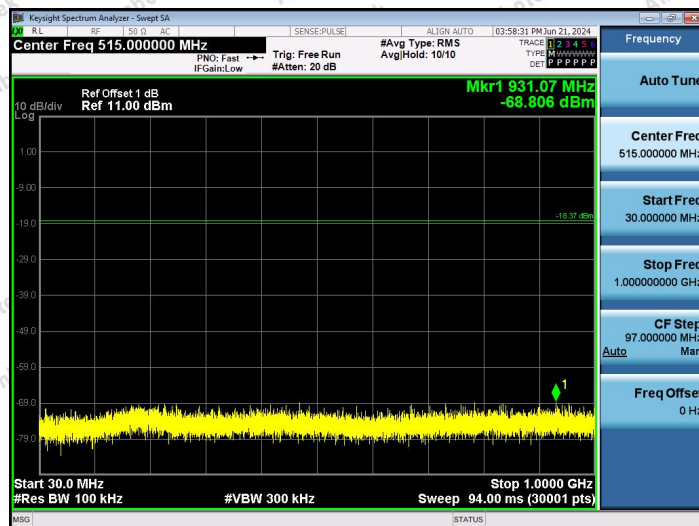


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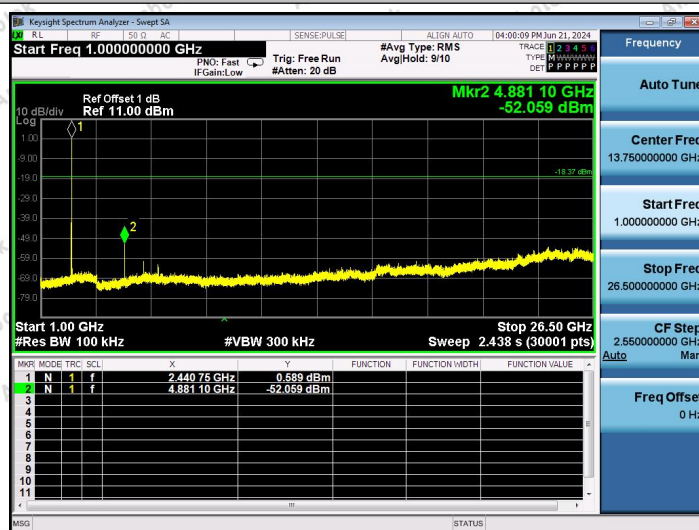




2.4G-Ant1-2441-0~Reference-PASS



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



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

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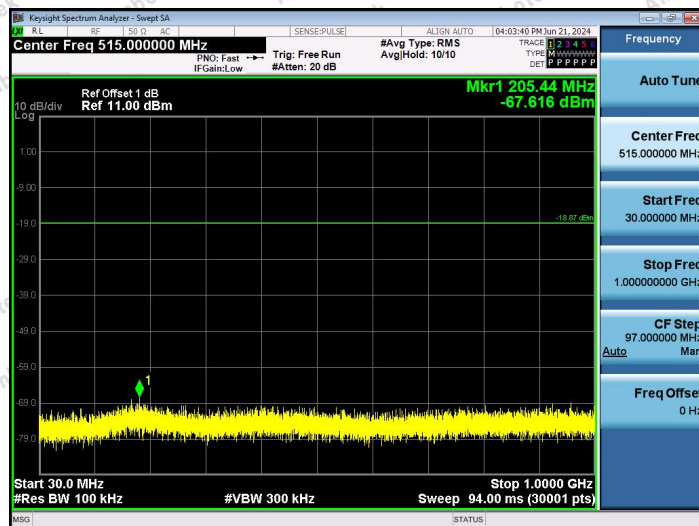


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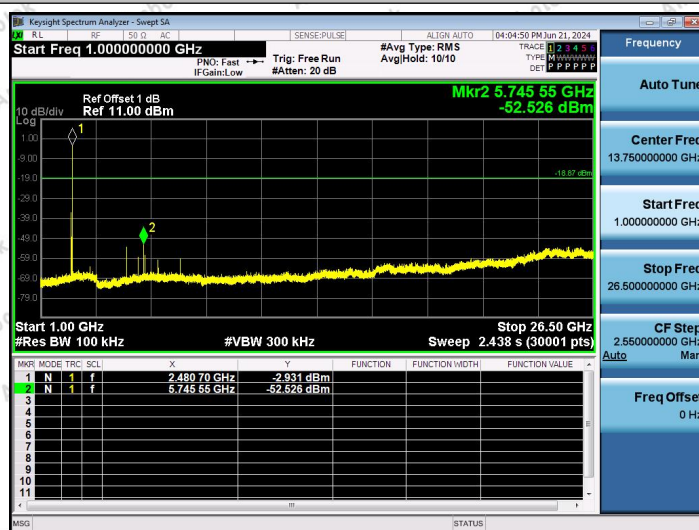




2.4G-Ant1-2480-0~Reference-PASS



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



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



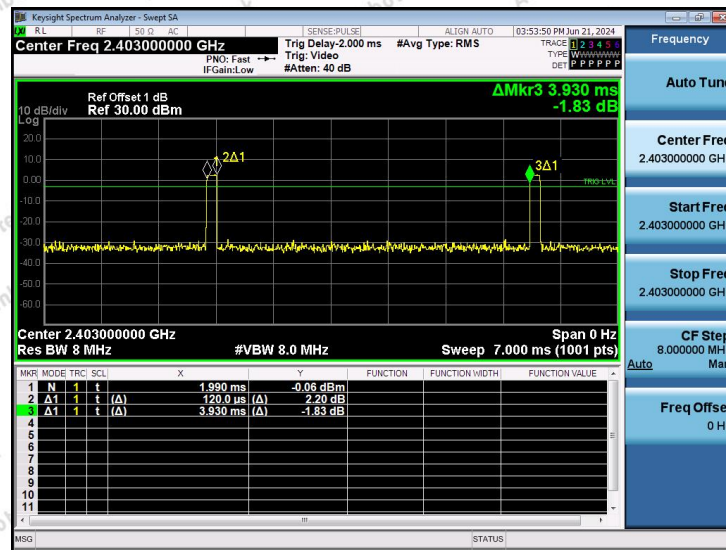
Appendix I: Duty Cycle

Test Result

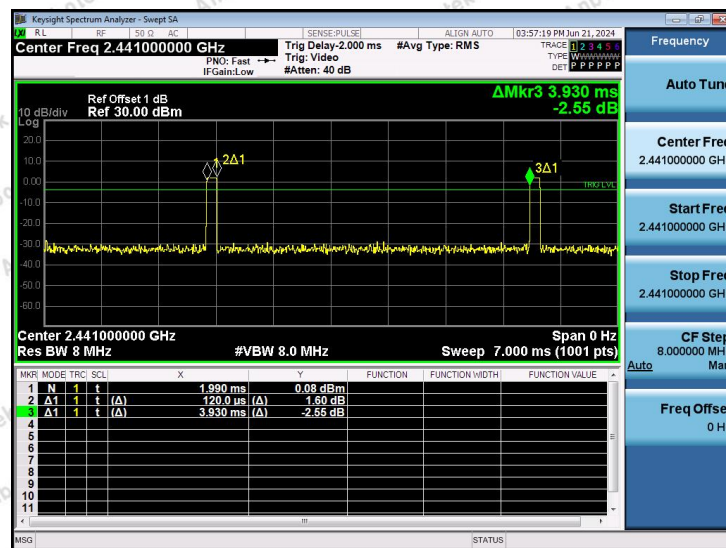
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.12	3.93	3.05	15.16
2.4G	Ant1	2441	0.12	3.93	3.05	15.16
2.4G	Ant1	2480	0.12	3.93	3.05	15.16



Test Graphs

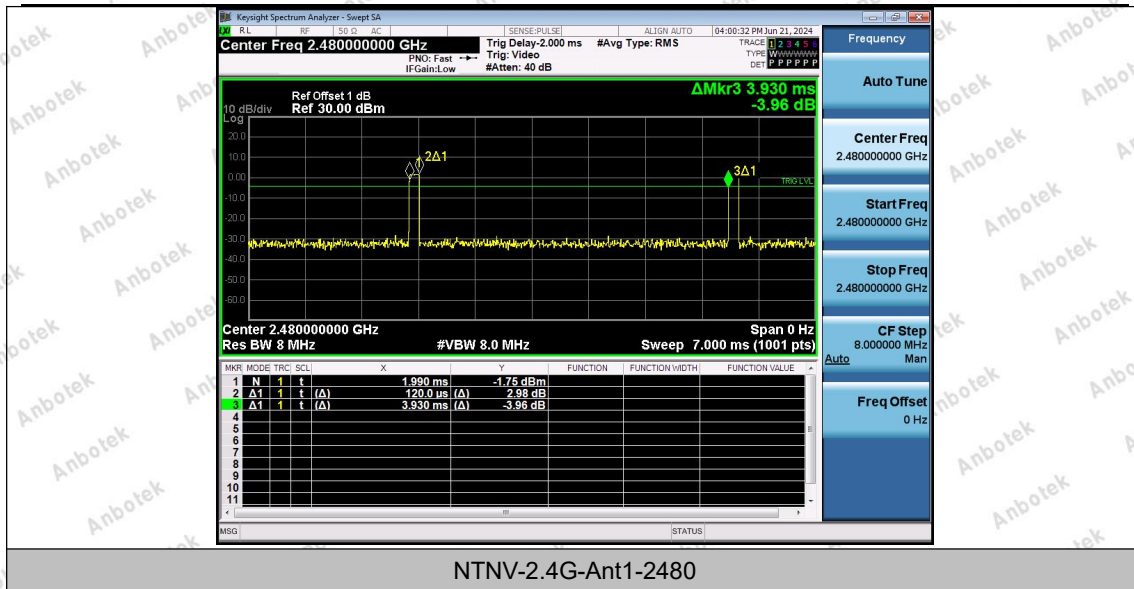


NTNV-2.4G-Ant1-2403



NTNV-2.4G-Ant1-2441





---End---

