

Appendix Test Data

Report No.:	18220WC40088101	Test Sample No.:	1-2-2
Start Test Date:	2024.05.06	Finish Test Date:	2024.05.08
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.5°C	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	2408	2.070	2407.025	2409.095	---	---
2.4G	Ant1	2440	2.070	2439.025	2441.095	---	---
2.4G	Ant1	2474	2.070	2473.030	2475.100	---	---

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Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community,
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



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Test Graphs



2.4G-Ant1-2408



2.4G-Ant1-2440



2.4G-Ant1-2474

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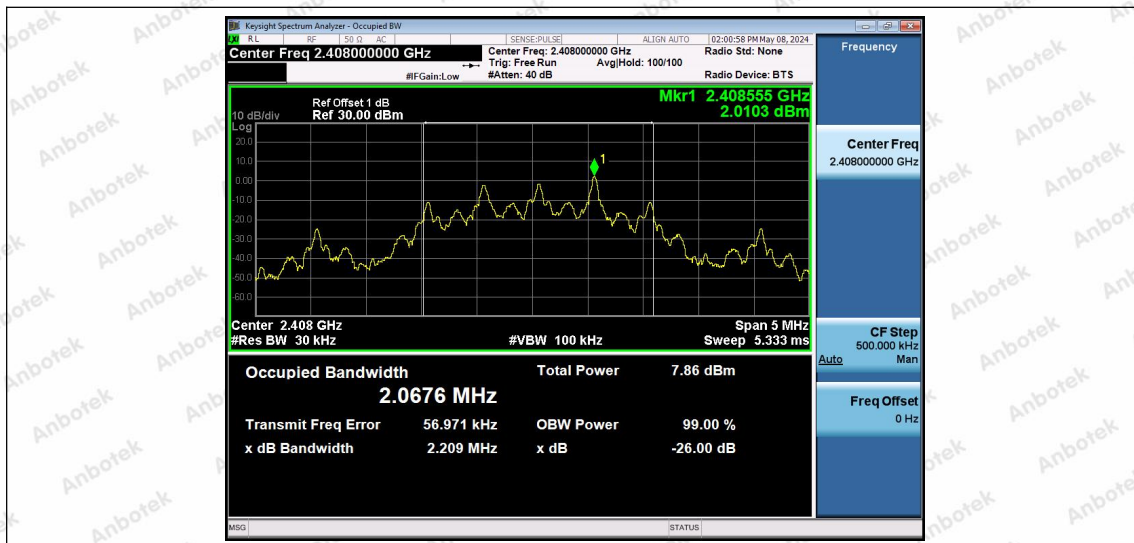


Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2408	2.0676	2407.0232	2409.0908	---	---
2.4G	Ant1	2440	2.0626	2439.0279	2441.0905	---	---
2.4G	Ant1	2474	2.0638	2473.0281	2475.0919	---	---

Test Graphs



2.4G-Ant1-2408



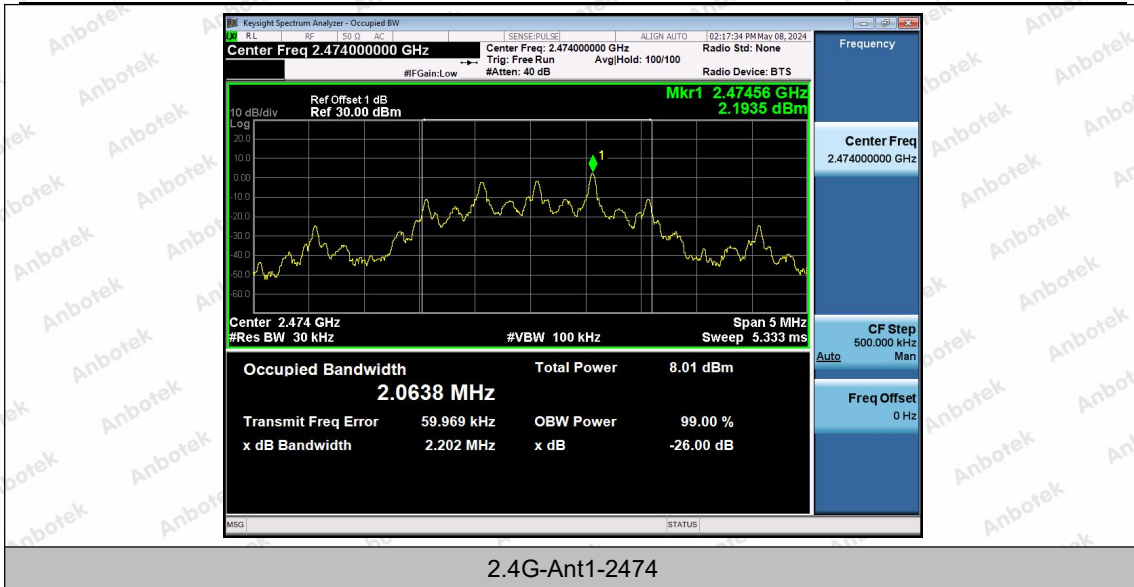
2.4G-Ant1-2440

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2.4G-Ant1-2474

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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	2408	2.38	≤20.97	PASS
2.4G	Ant1	2440	2.57	≤20.97	PASS
2.4G	Ant1	2474	2.50	≤20.97	PASS

Test Graphs

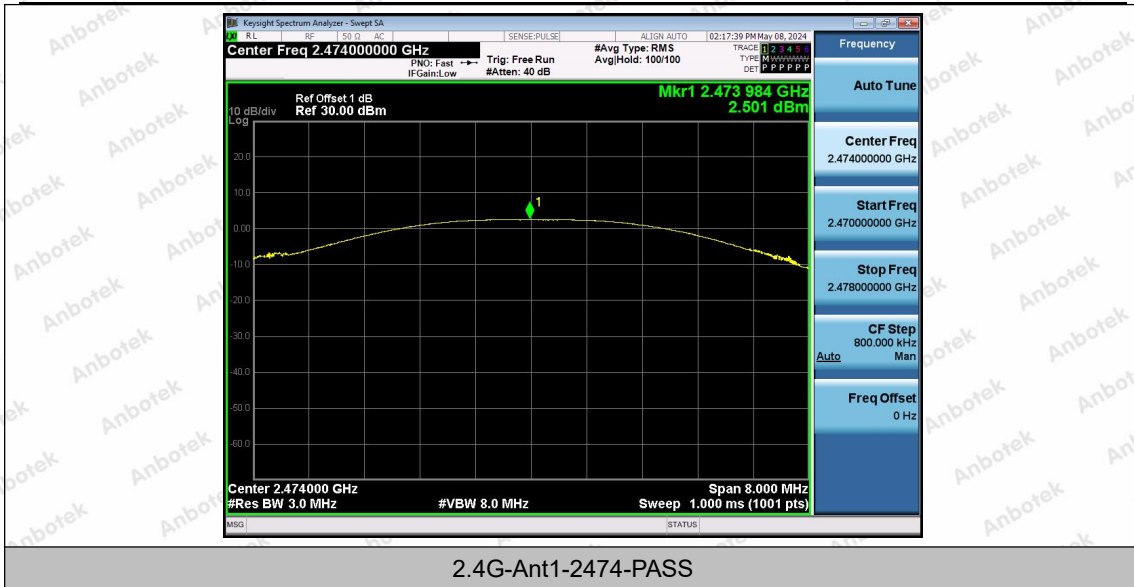


2.4G-Ant1-2408-PASS



2.4G-Ant1-2440-PASS





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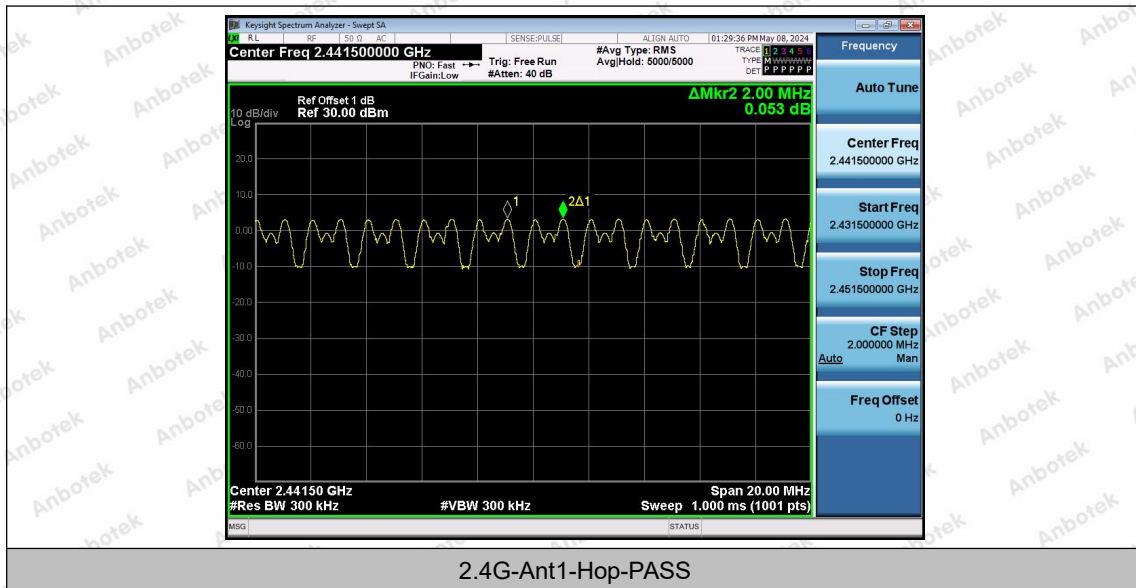


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.00	≥1.380	PASS

Test Graphs



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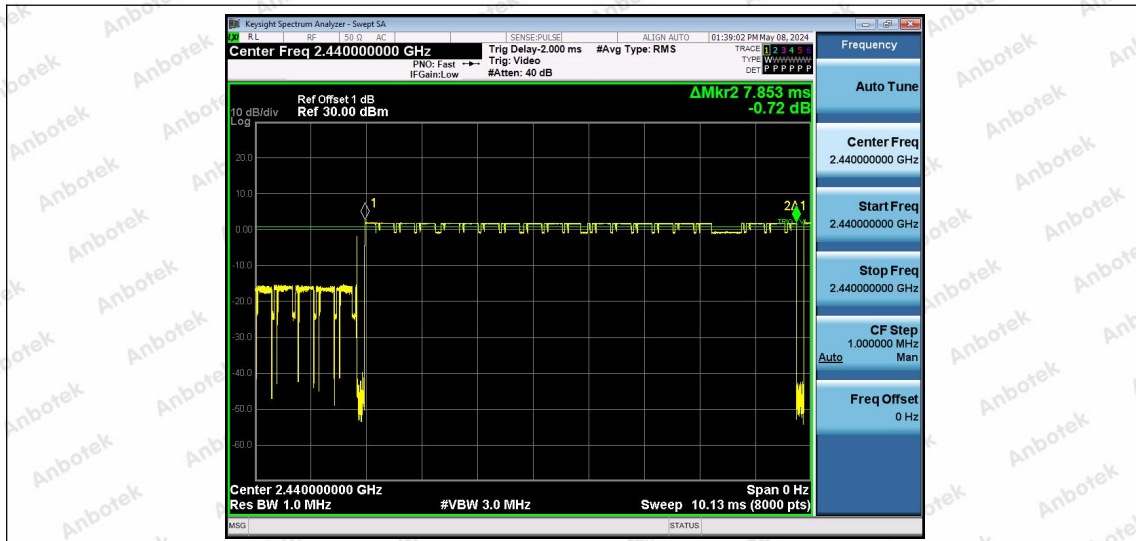


Appendix E: Dwell Time

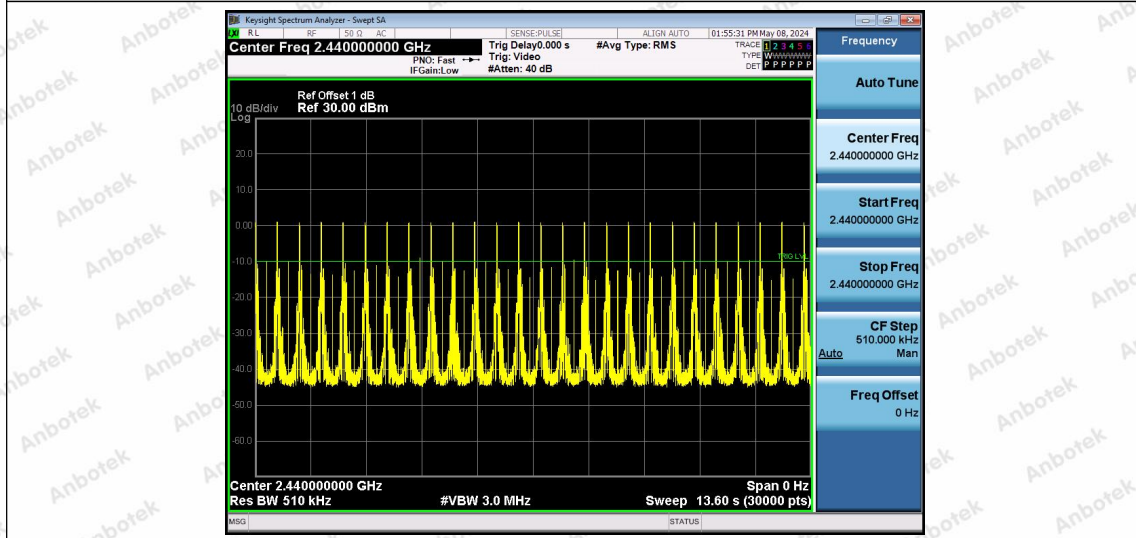
Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	7.853	26	0.204	≤0.4	PASS

Test Graphs



2.4G-Ant1-Hop-PASS

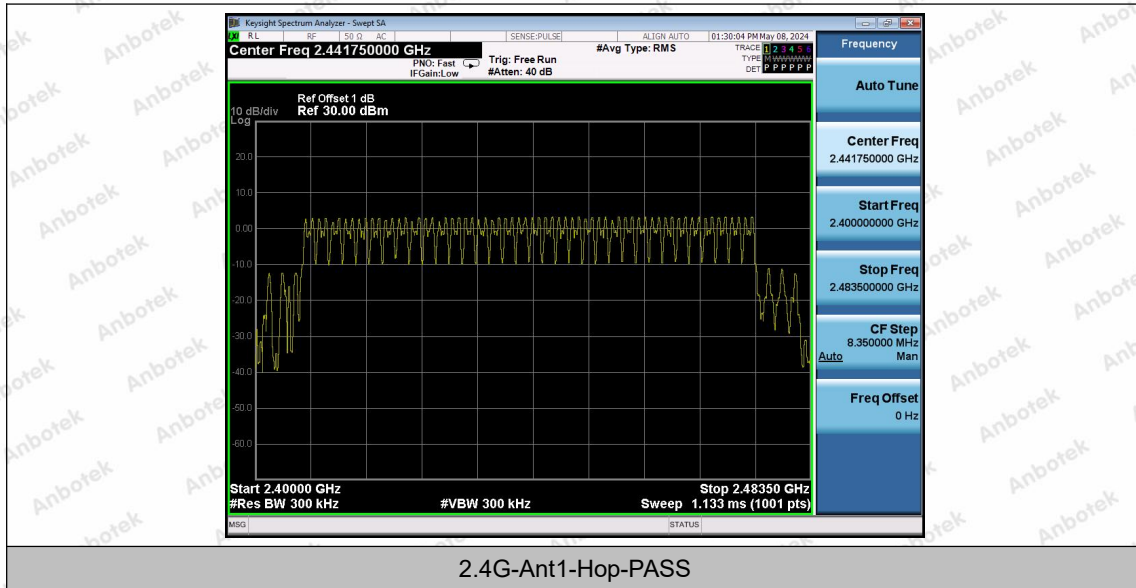


Appendix F: Number of Hopping Channel

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	34	≥15	PASS

Test Graphs

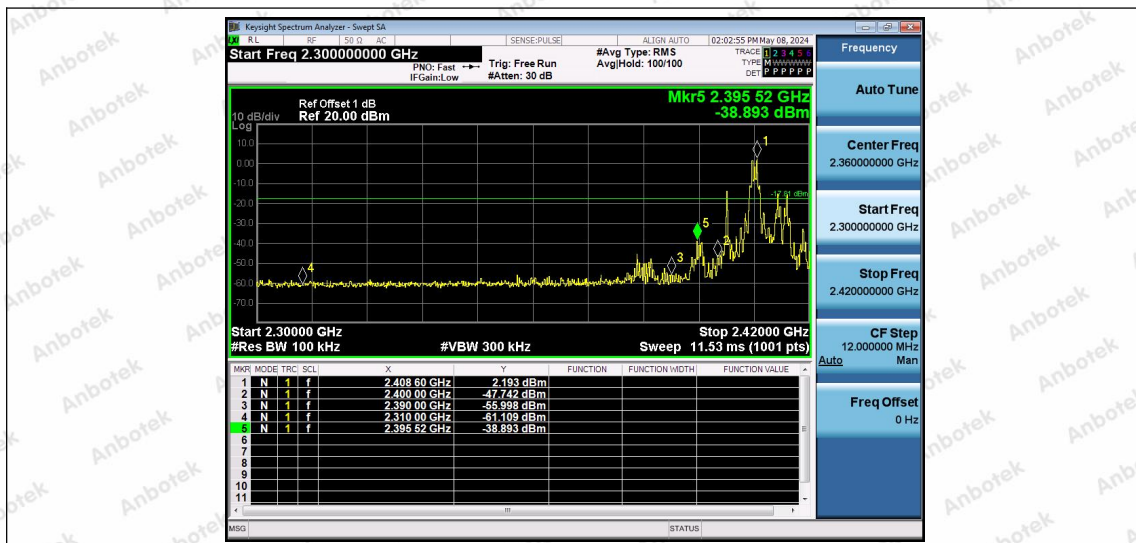


Appendix G: Conducted Band edge

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2408	2.19	-38.89	≤-17.81	PASS
2.4G	Ant1	High	2474	2.36	-33.9	≤-17.64	PASS
2.4G	Ant1	Low	Hop_2408	2.98	-31.27	≤-17.02	PASS
2.4G	Ant1	High	Hop_2474	3.22	-22.91	≤-16.78	PASS

Test Graphs

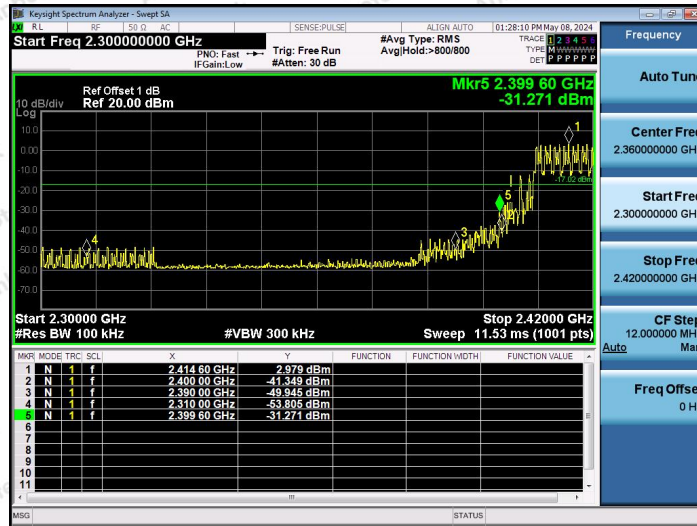


2.4G-Ant1-2408-PASS



2.4G-Ant1-2474-PASS





2.4G-Ant1-Hop_2408-PASS



2.4G-Ant1-Hop_2474-PASS

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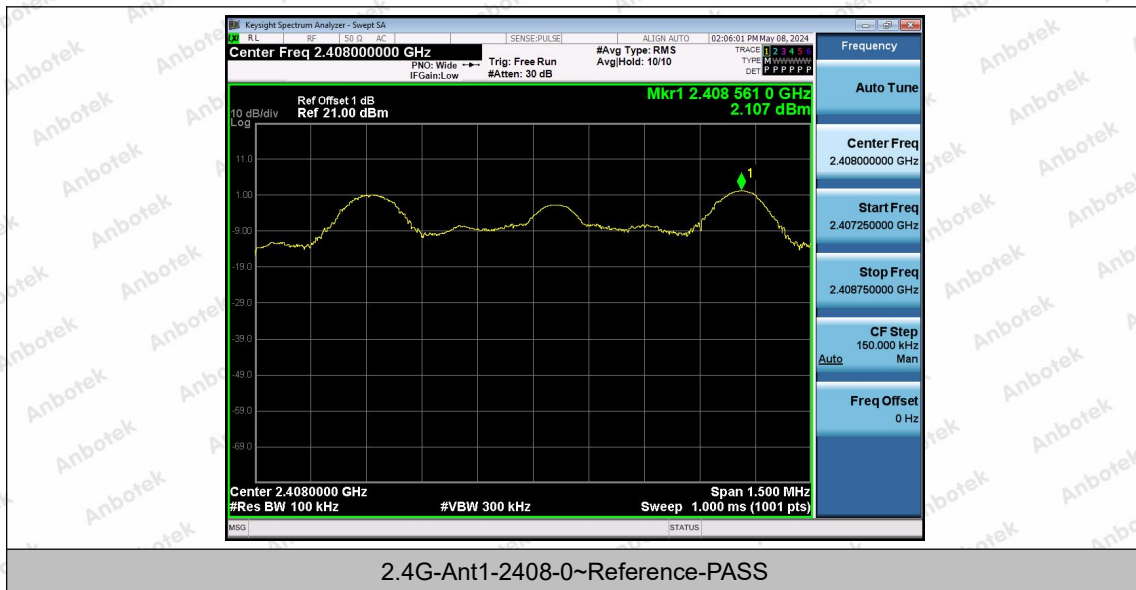


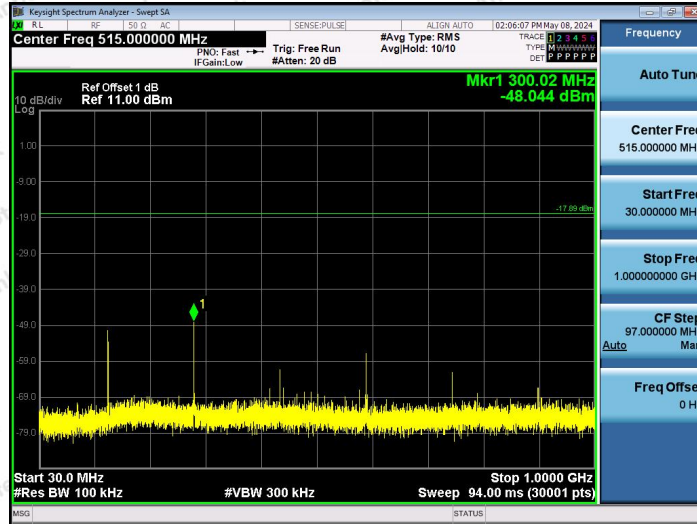
Appendix H: Conducted Spurious Emission

Test Result

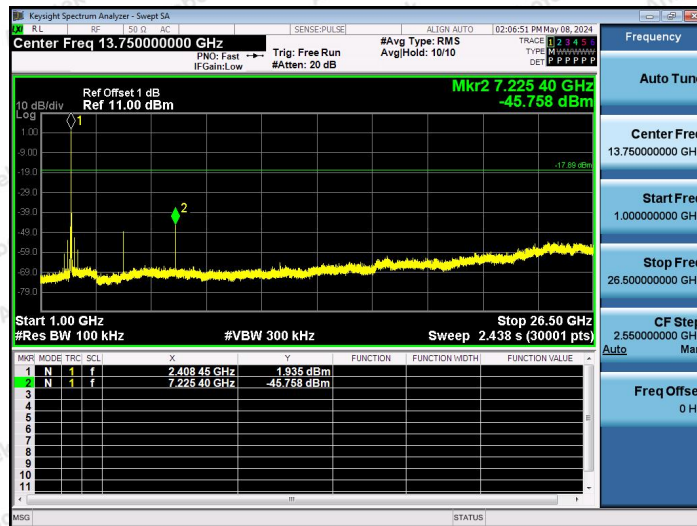
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2408	0~Reference	2.11	2.11	---	PASS
2.4G	Ant1	2408	30~1000	2.11	-48.04	≤-17.89	PASS
2.4G	Ant1	2408	1000~26500	2.11	-45.76	≤-17.89	PASS
2.4G	Ant1	2440	0~Reference	2.35	2.35	---	PASS
2.4G	Ant1	2440	30~1000	2.35	-48.33	≤-17.65	PASS
2.4G	Ant1	2440	1000~26500	2.35	-42.91	≤-17.65	PASS
2.4G	Ant1	2474	0~Reference	2.31	2.31	---	PASS
2.4G	Ant1	2474	30~1000	2.31	-48.46	≤-17.69	PASS
2.4G	Ant1	2474	1000~26500	2.31	-42.27	≤-17.69	PASS

Test Graphs





2.4G-Ant1-2408-30~1000-PASS



2.4G-Ant1-2408-1000~26500-PASS



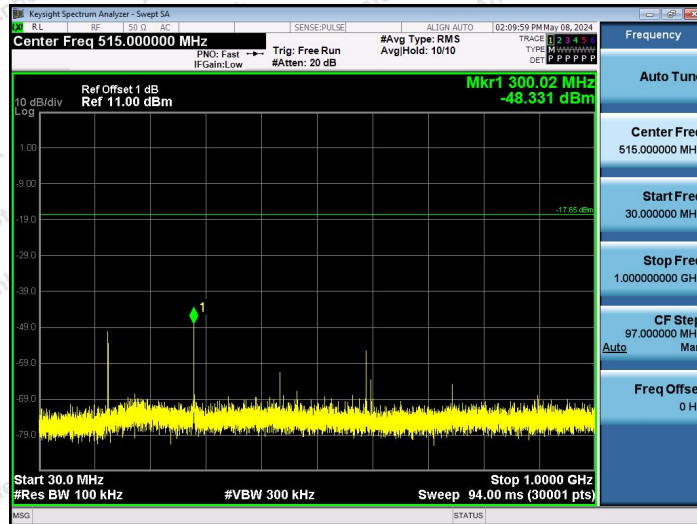
2.4G-Ant1-2440-0~Reference-PASS

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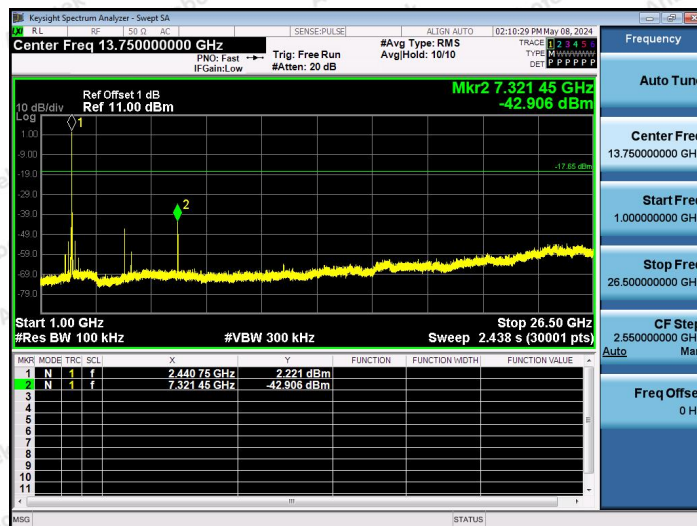
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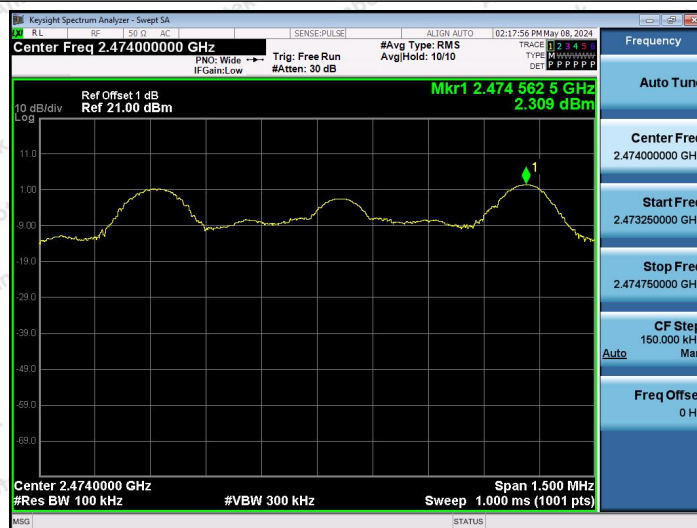




2.4G-Ant1-2440-30~1000-PASS



2.4G-Ant1-2440-1000~26500-PASS



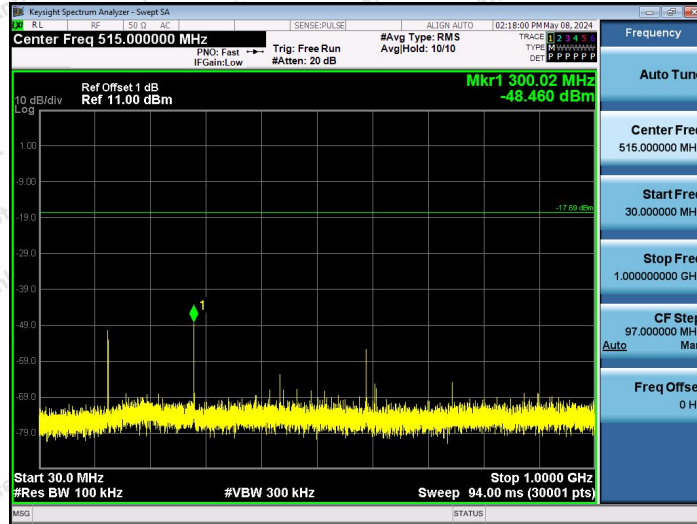
2.4G-Ant1-2474-0~Reference-PASS

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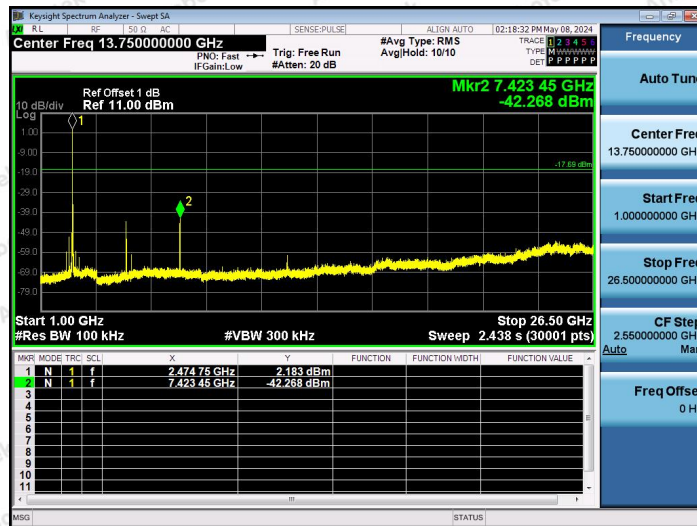
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2.4G-Ant1-2474-30~1000-PASS



2.4G-Ant1-2474-1000~26500-PASS

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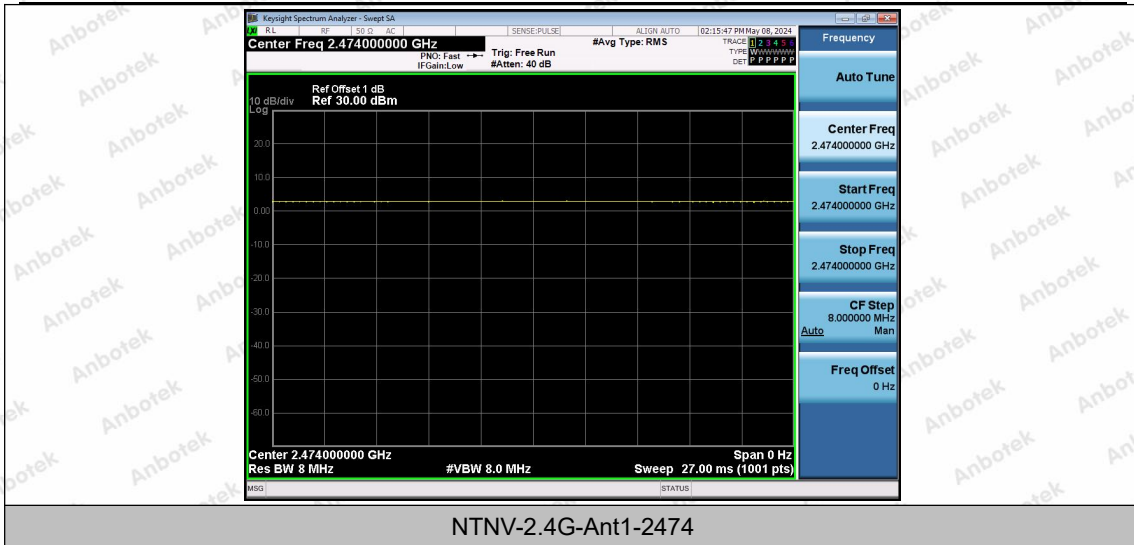
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2408	27.00	27.00	100	0.00
2.4G	Ant1	2440	27.00	27.00	100	0.00
2.4G	Ant1	2474	27.00	27.00	100	0.00

Test Graphs





---End---

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