

Appendix Test Data

Report No.:	182512C400022101	Test Sample No.:	1-2-2
Start Test Date:	2024.7.24	Finish Test Date:	2024.7.25
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.5°C	Relative Humidity:	47%
Pressure:	101kPa		
Module A			

Appendix A: 20dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402.4	0.786	2402.001	2402.787	---	---
2.4G	Ant1	2441.4	0.801	2440.986	2441.787	---	---
2.4G	Ant1	2479.4	0.783	2479.007	2479.790	---	---



Test Graphs



2.4G-Ant1-2402.4



2.4G-Ant1-2441.4



2.4G-Ant1-2479.4

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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	2402.4	0.72193	2402.0381	2402.7601	---	---
2.4G	Ant1	2441.4	0.73637	2441.0314	2441.7677	---	---
2.4G	Ant1	2479.4	0.72534	2479.0337	2479.7590	---	---



Test Graphs



2.4G-Ant1-2402.4



2.4G-Ant1-2441.4



2.4G-Ant1-2479.4

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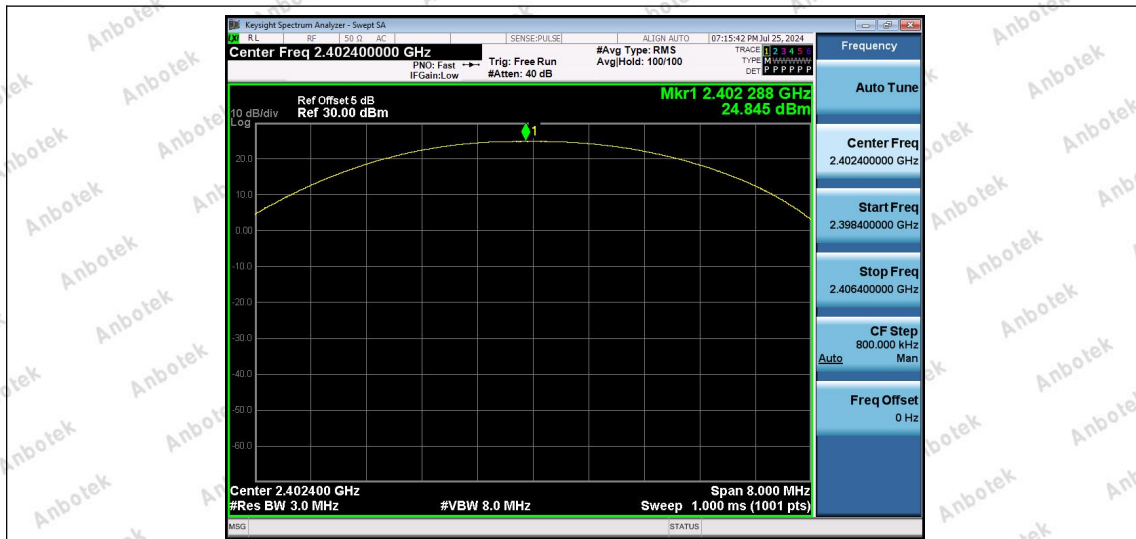


Appendix C: Maximum Conducted Output Power

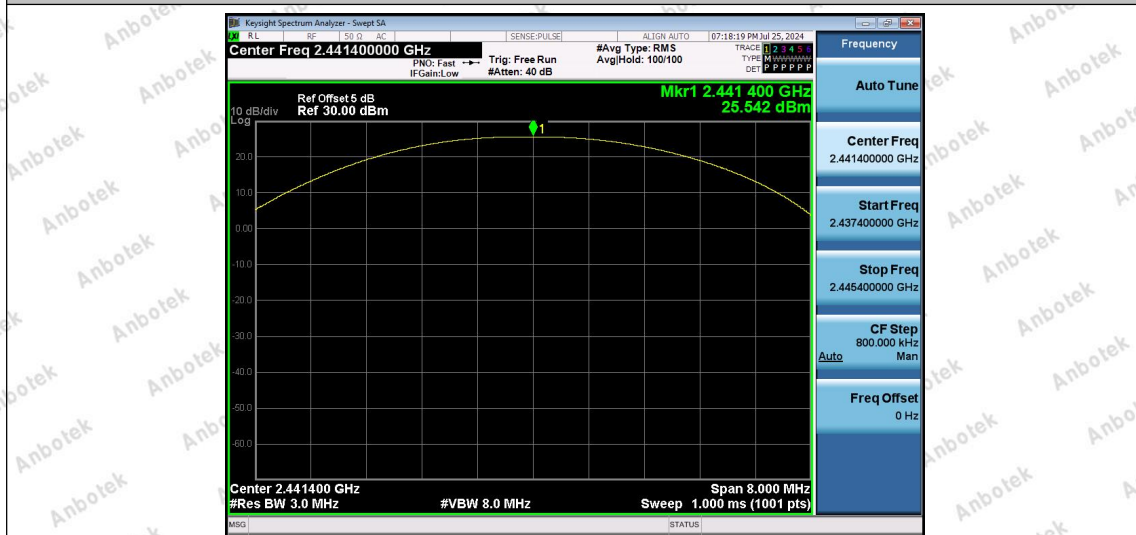
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402.4	24.85	≤30	PASS
2.4G	Ant1	2441.4	25.54	≤30	PASS
2.4G	Ant1	2479.4	26.20	≤30	PASS

Test Graphs

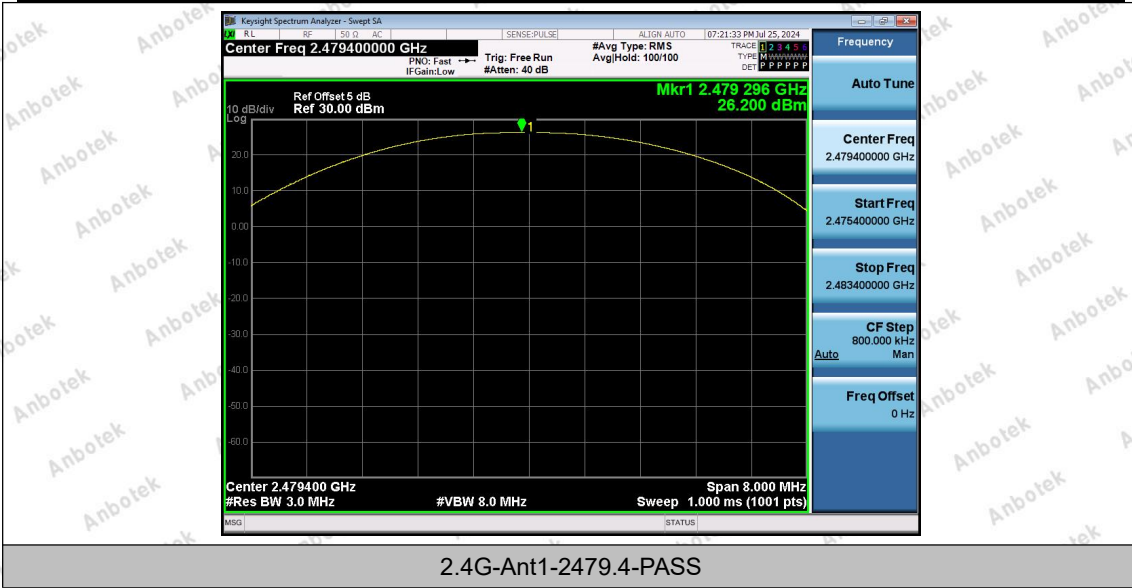


2.4G-Ant1-2402.4-PASS



2.4G-Ant1-2441.4-PASS





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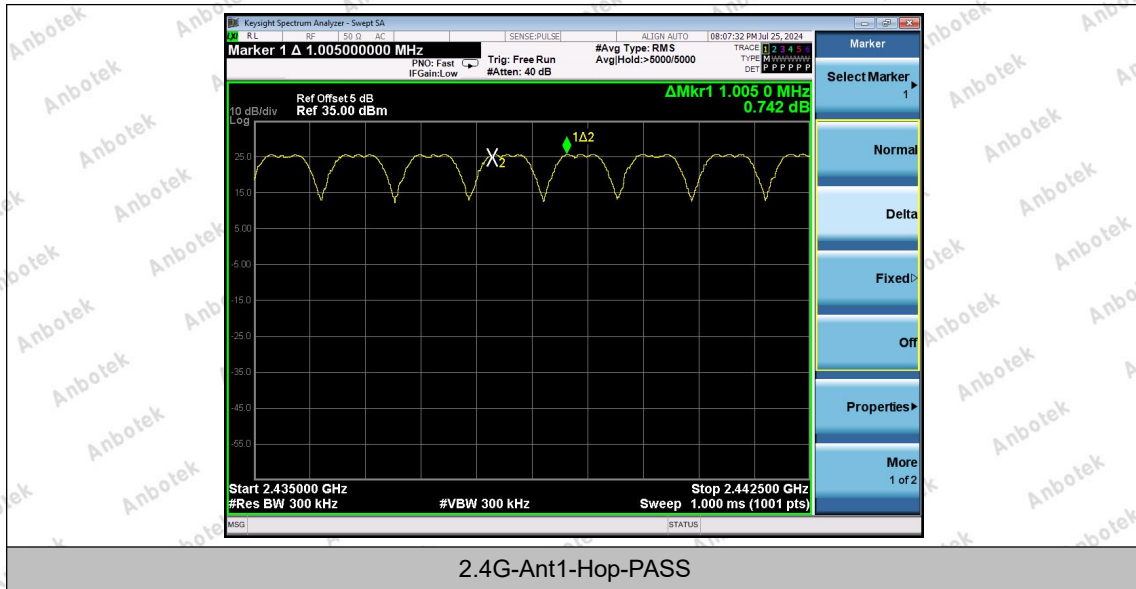
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	1.005	≥0.801	PASS



Test Graphs



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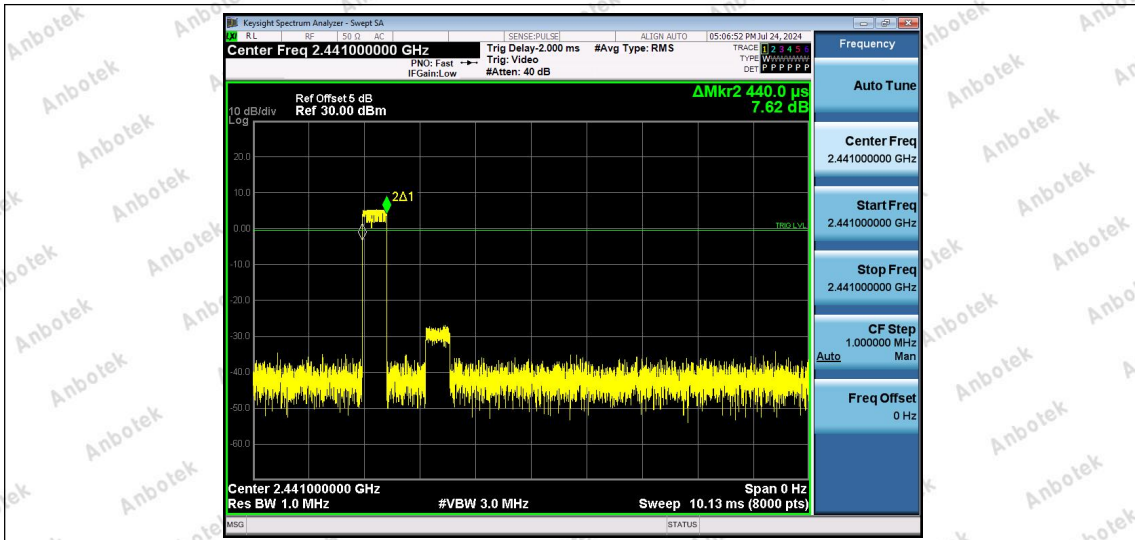
Appendix E: Dwell Time

Test Result

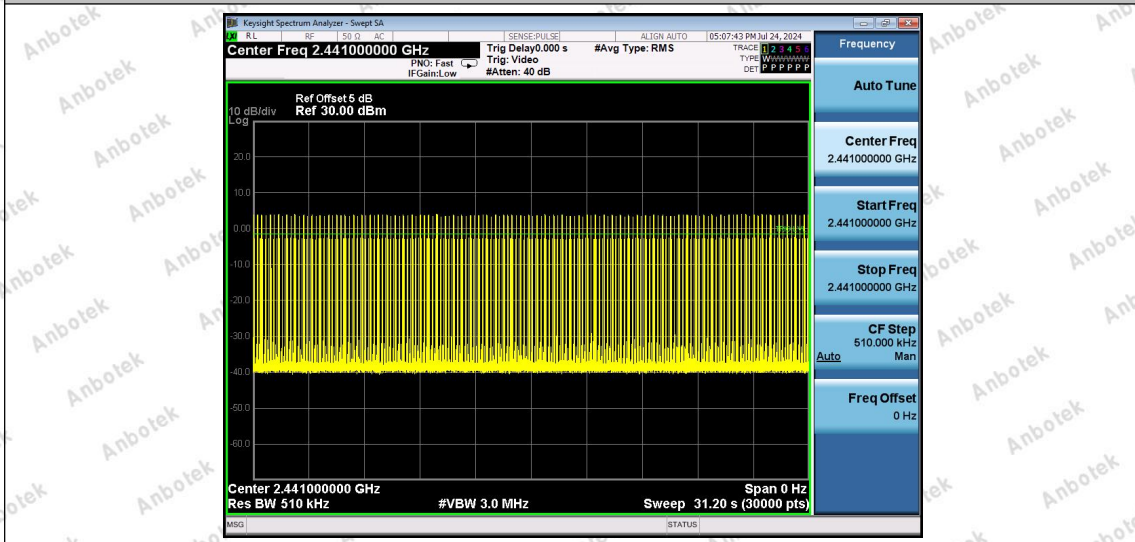
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.440	200	0.088	≤0.4	PASS



Test Graphs



2.4G-Ant1-Hop-PASS



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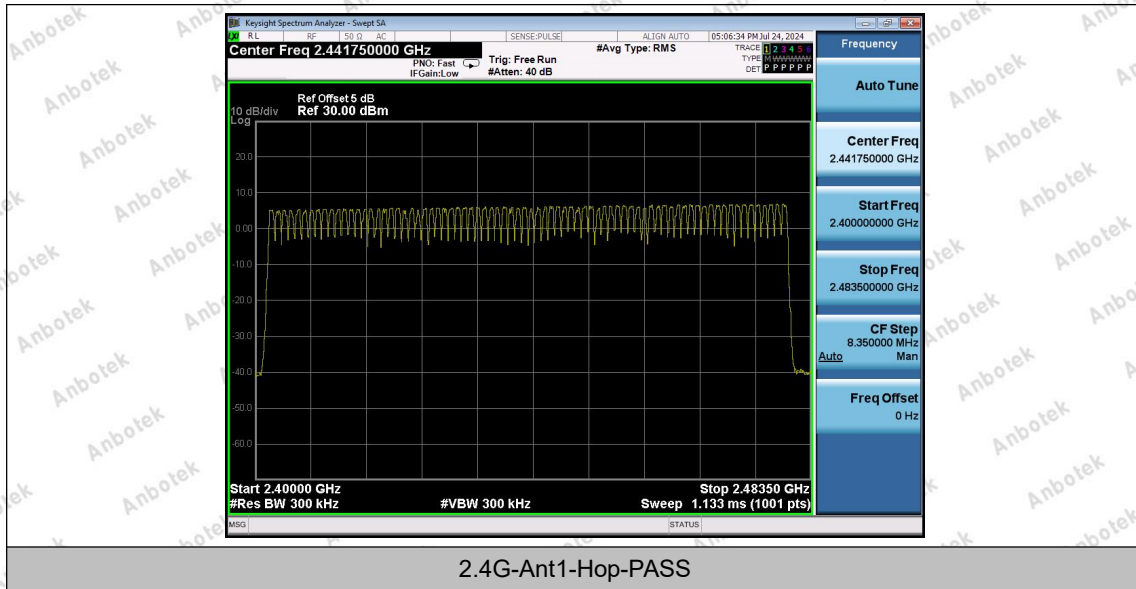
Appendix F: Number of Hopping Channel

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	78	≥15	PASS



Test Graphs



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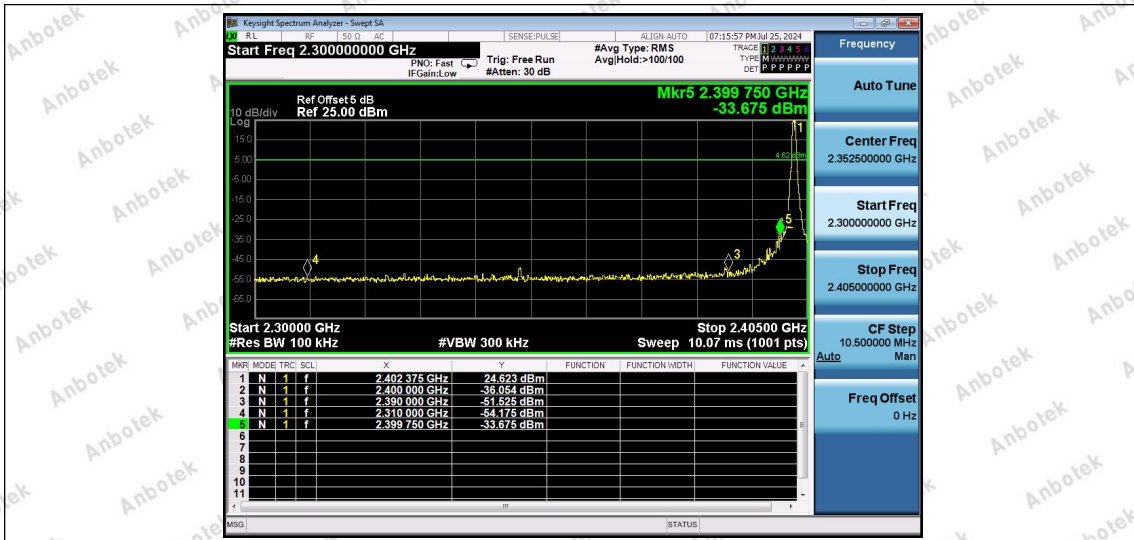
Appendix G: Conducted Band edge

Test Result

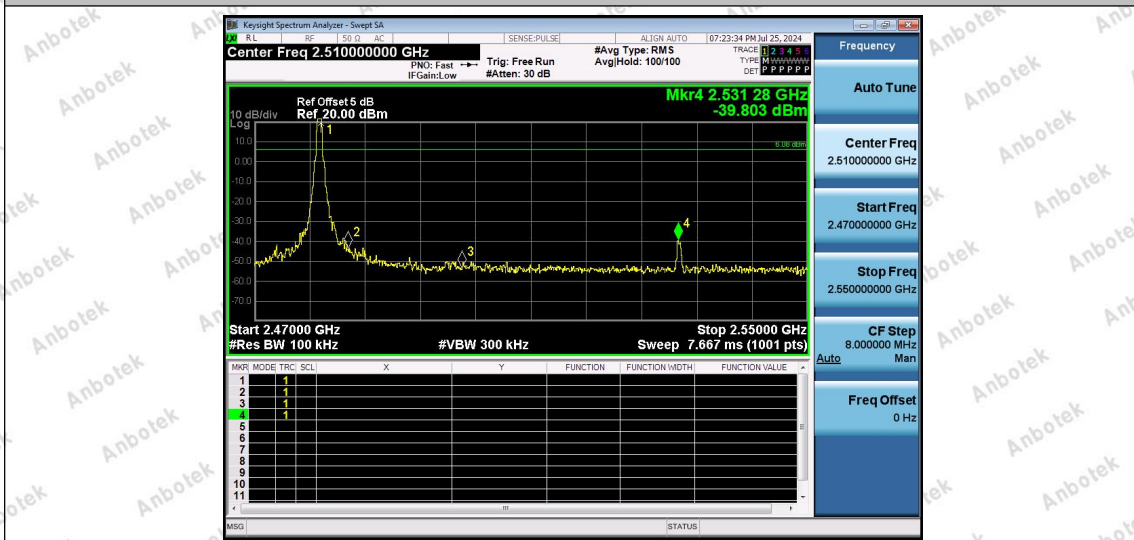
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402.4	24.62	-33.68	≤4.62	PASS
2.4G	Ant1	High	2479.4	26.08	-39.8	≤6.08	PASS
2.4G	Ant1	Low	Hop_2402.4	5.06	-35.64	≤-14.94	PASS
2.4G	Ant1	High	Hop_2479.4	6.12	-36.25	≤-13.88	PASS



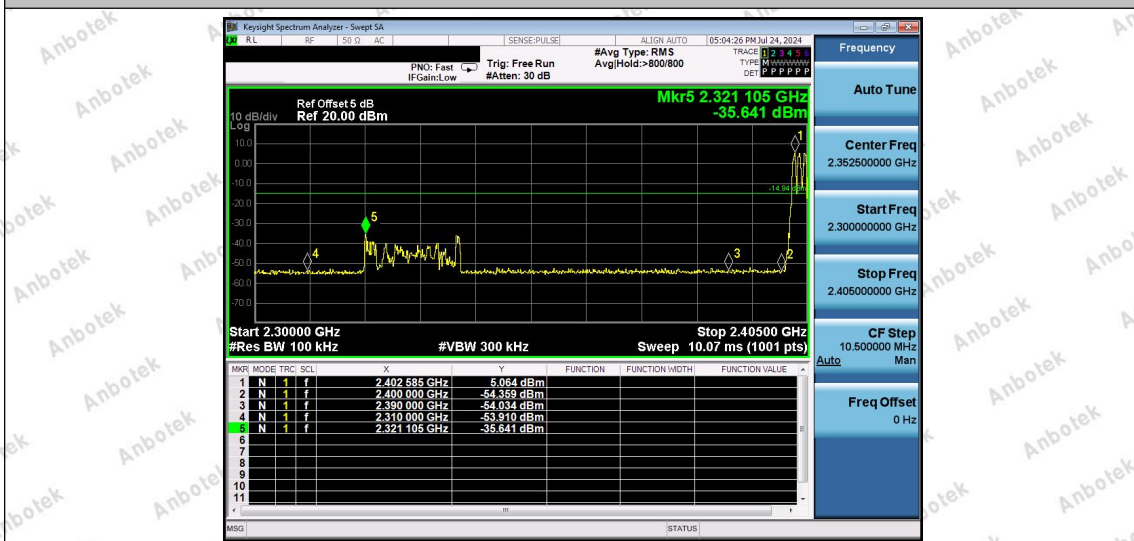
Test Graphs



2.4G-Ant1-2402.4-PASS



2.4G-Ant1-2479.4-PASS



2.4G-Ant1-Hop_2402.4-PASS

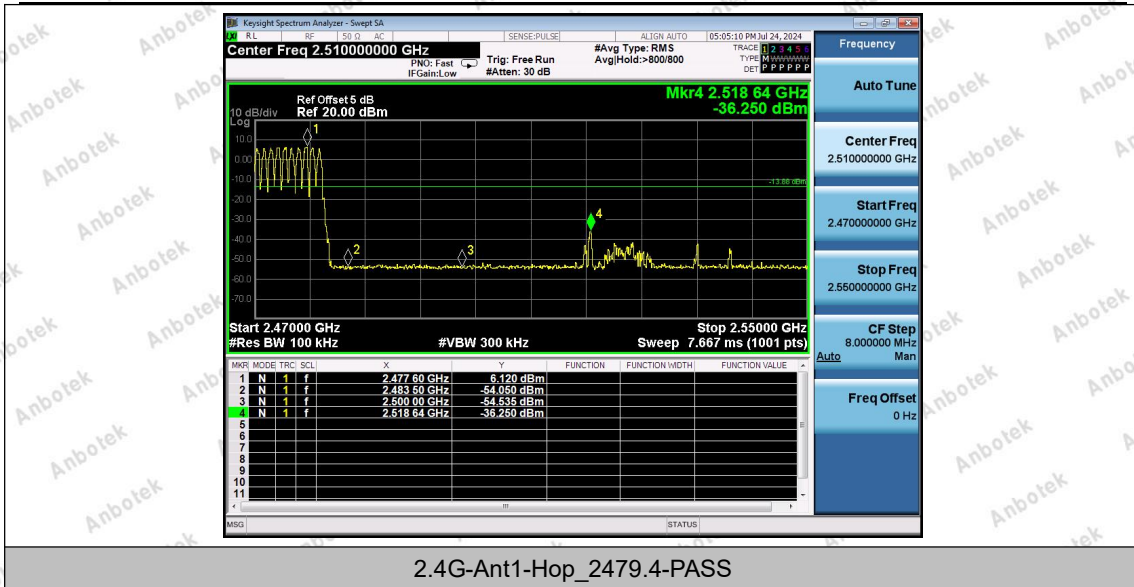
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Appendix H: Conducted Spurious Emission

Test Result

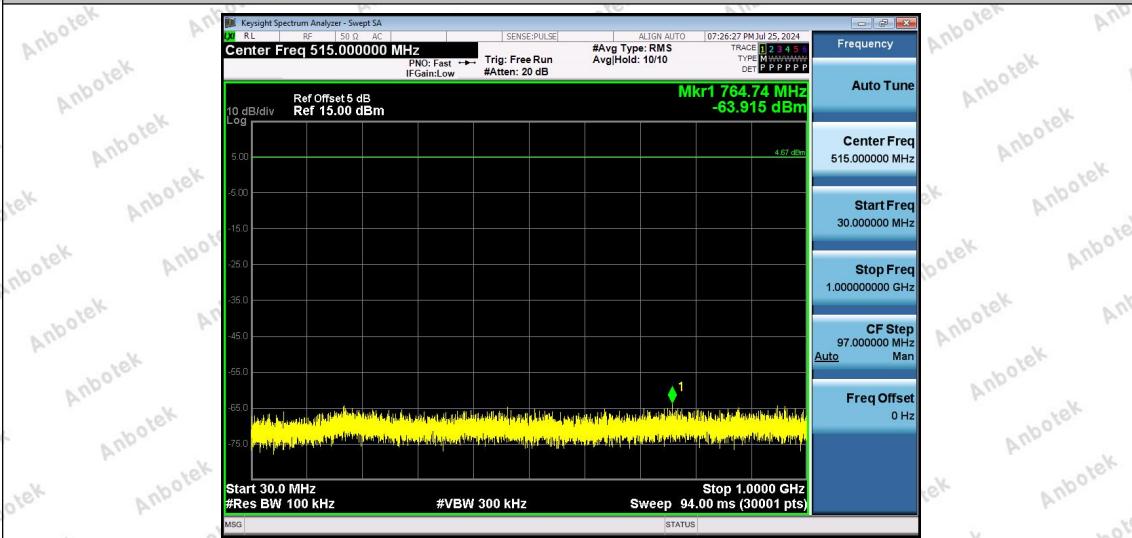
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402.4	0~Reference	24.67	24.67	---	PASS
2.4G	Ant1	2402.4	30~1000	24.67	-63.92	≤4.67	PASS
2.4G	Ant1	2402.4	1000~26500	24.67	-23.67	≤4.67	PASS
2.4G	Ant1	2441.4	0~Reference	24.21	24.21	---	PASS
2.4G	Ant1	2441.4	30~1000	24.21	-63.66	≤4.21	PASS
2.4G	Ant1	2441.4	1000~26500	24.21	-29.61	≤4.21	PASS
2.4G	Ant1	2479.4	0~Reference	26.16	26.16	---	PASS
2.4G	Ant1	2479.4	30~1000	26.16	-64.25	≤6.16	PASS
2.4G	Ant1	2479.4	1000~26500	26.16	-29.15	≤6.16	PASS



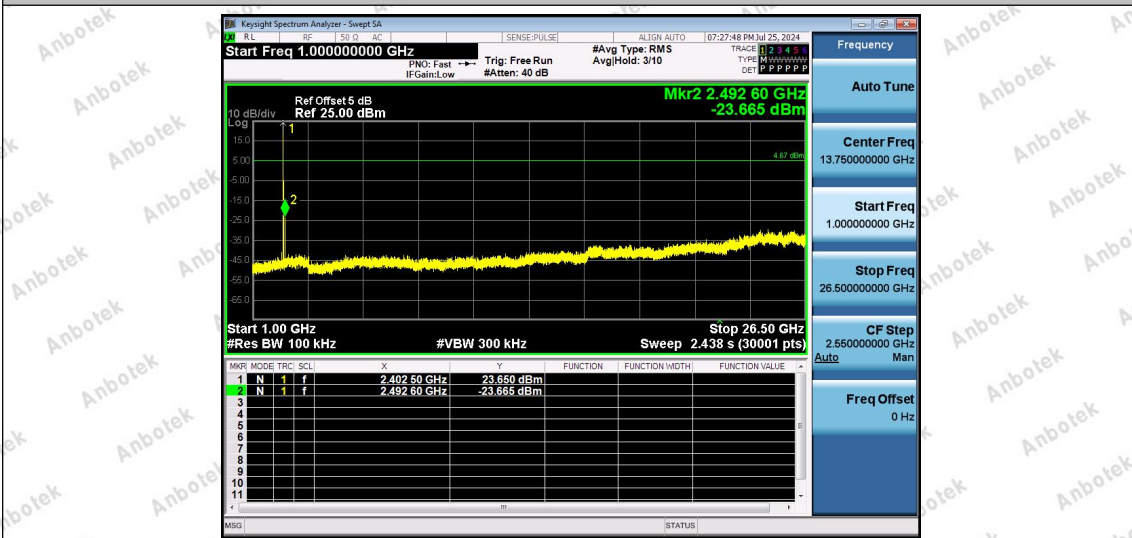
Test Graphs



2.4G-Ant1-2402.4-0~Reference-PASS



2.4G-Ant1-2402.4-30~1000-PASS



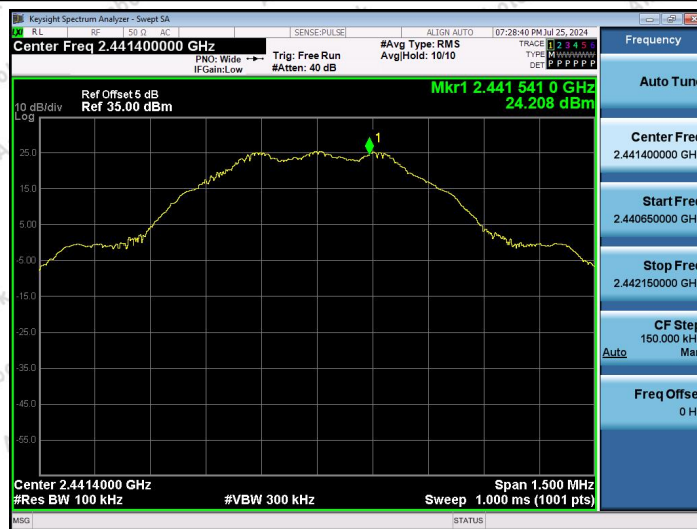
2.4G-Ant1-2402.4-1000~26500-PASS

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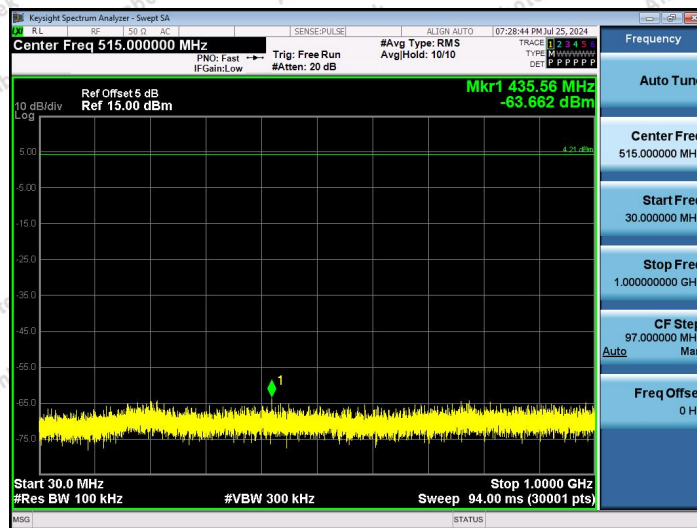
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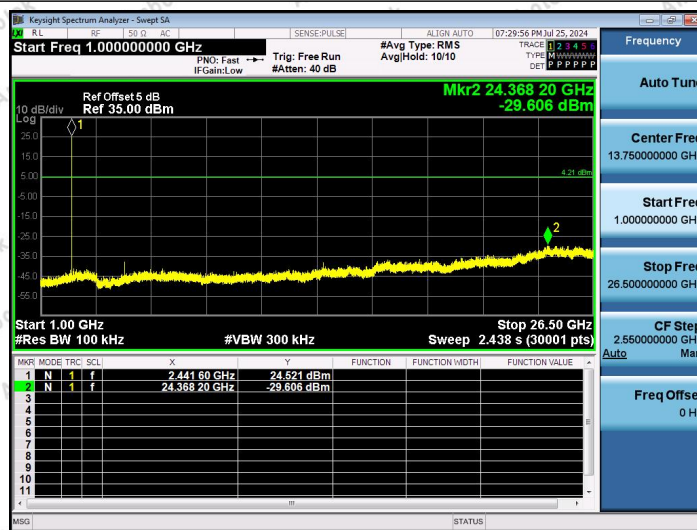




2.4G-Ant1-2441.4-0~Reference-PASS



2.4G-Ant1-2441.4-30~1000-PASS



2.4G-Ant1-2441.4-1000~26500-PASS

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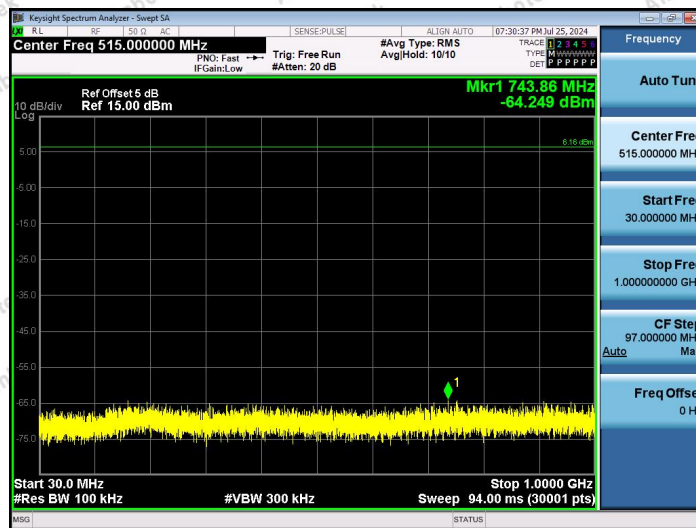


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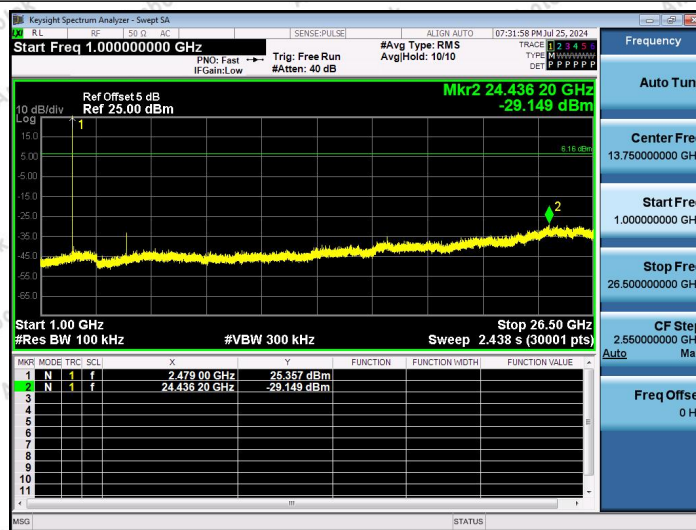




2.4G-Ant1-2479.4-0~Reference-PASS



2.4G-Ant1-2479.4-30~1000-PASS



2.4G-Ant1-2479.4-1000~26500-PASS

---END---

