

## Appendix Test Data

Report No.:	18220WC40088901	Test Sample No.:	1-2-2
Start Test Date:	2024.05.08	Finish Test Date:	2024.05.09
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	1.560	2407.195	2408.755	---	---
2.4G	Ant1	2440	1.575	2439.185	2440.760	---	---
2.4G	Ant1	2474	1.600	2473.175	2474.775	---	---

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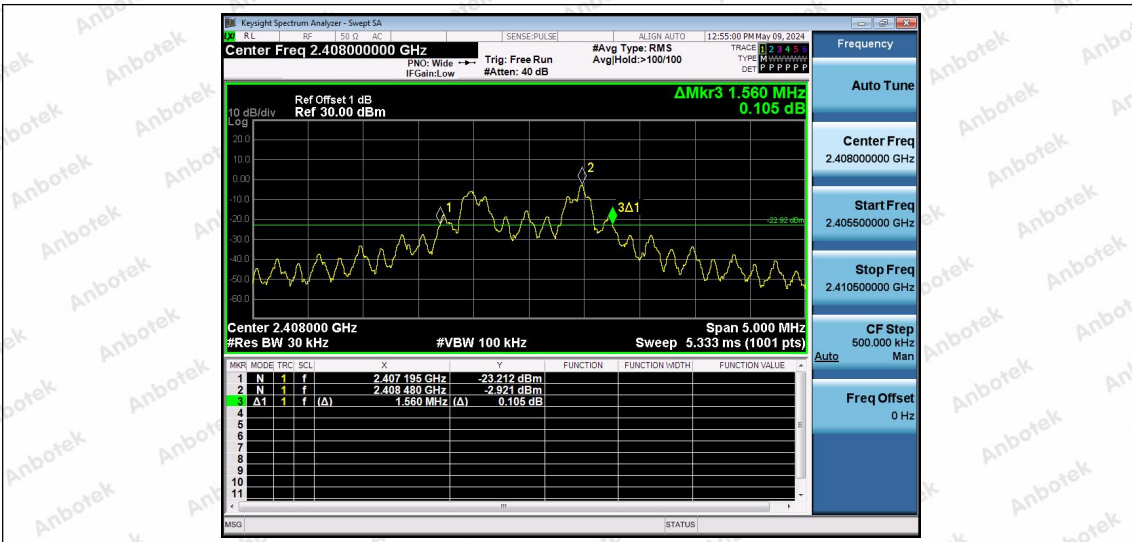
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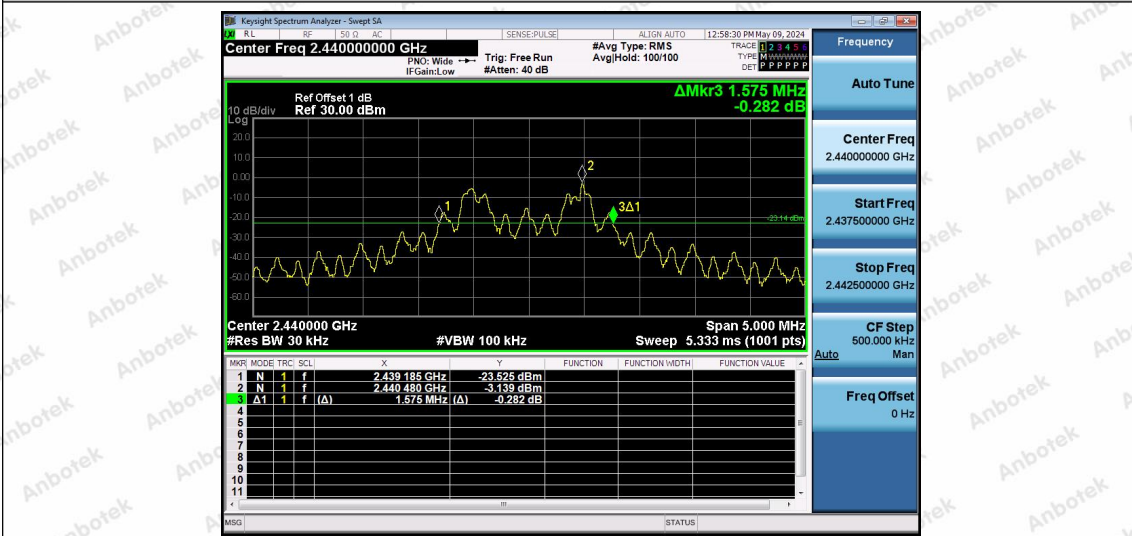
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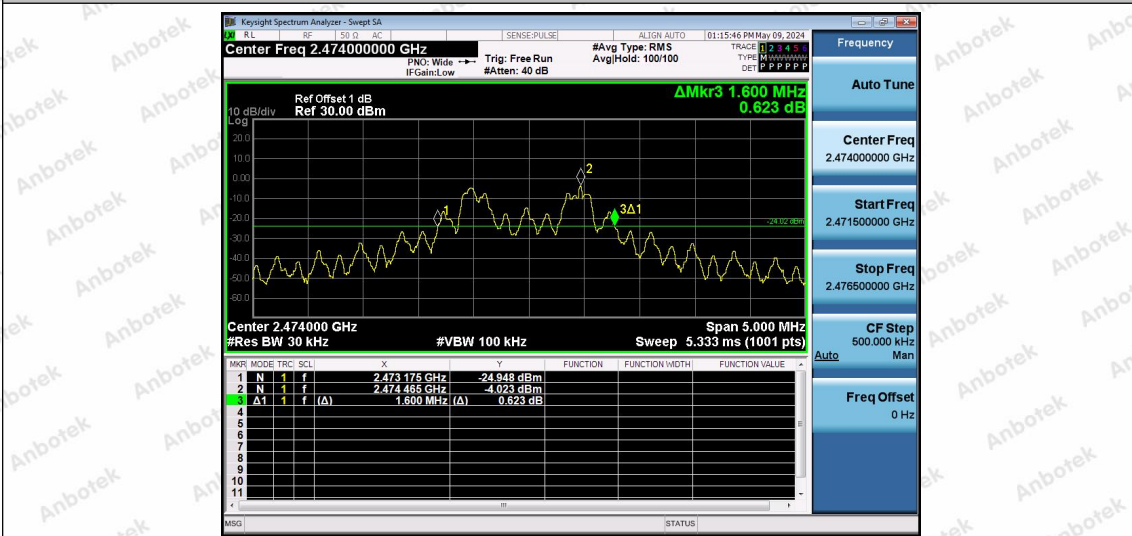
## Test Graphs



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	1.5654	2407.1929	2408.7583	---	---
2.4G	Ant1	2440	1.5896	2439.1828	2440.7724	---	---
2.4G	Ant1	2474	1.5948	2473.1801	2474.7749	---	---

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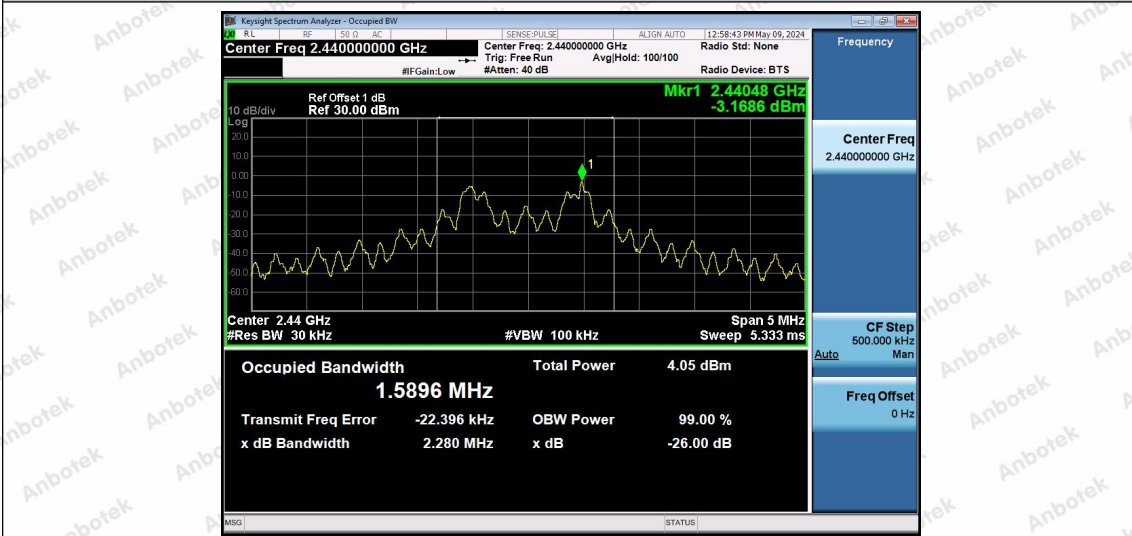




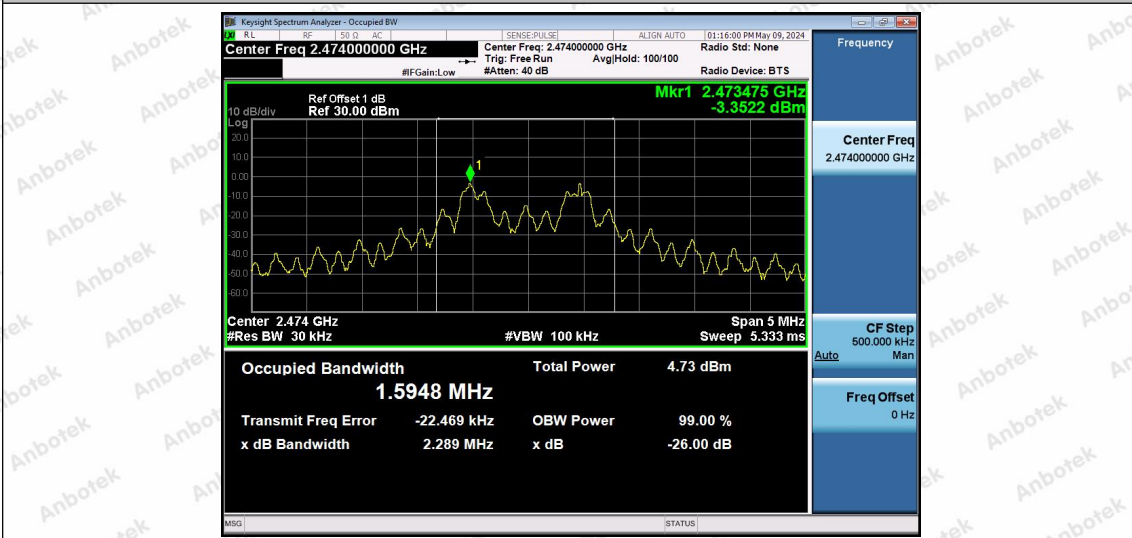
## Test Graphs



2.4G-Ant1-2408



2.4G-Ant1-2440



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	-2.05	≤21	PASS
2.4G	Ant1	2440	-1.66	≤21	PASS
2.4G	Ant1	2474	-0.98	≤21	PASS

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## Test Graphs



2.4G-Ant1-2408-PASS



2.4G-Ant1-2440-PASS



2.4G-Ant1-2474-PASS

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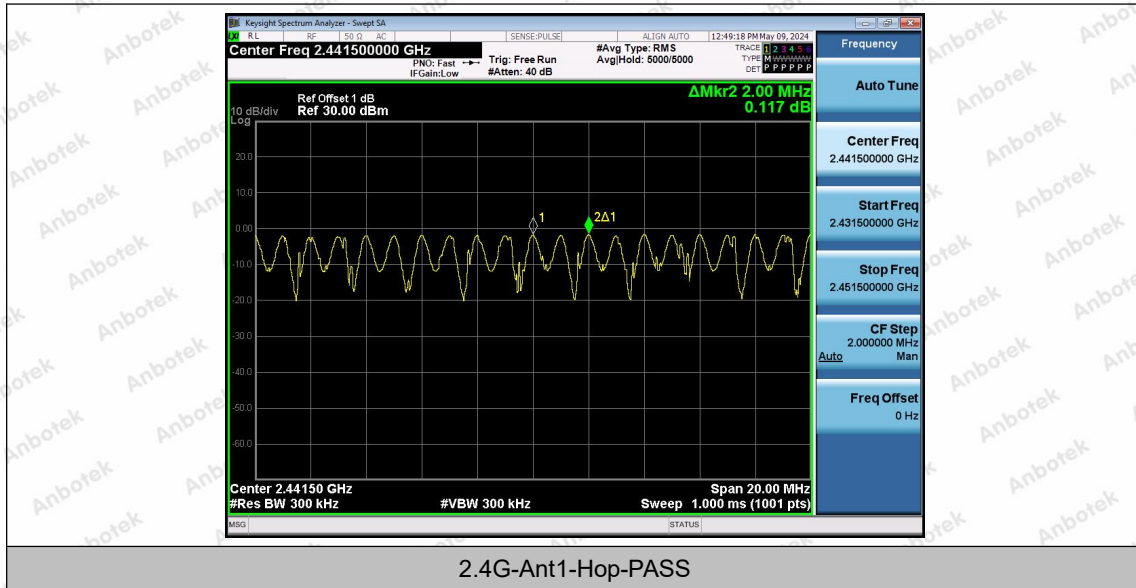


## Appendix D: Carrier frequency separation

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.00	≥1.07	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	3.787	90	0.341	≤0.4	PASS

### Test Graphs



2.4G-Ant1-Hop-PASS



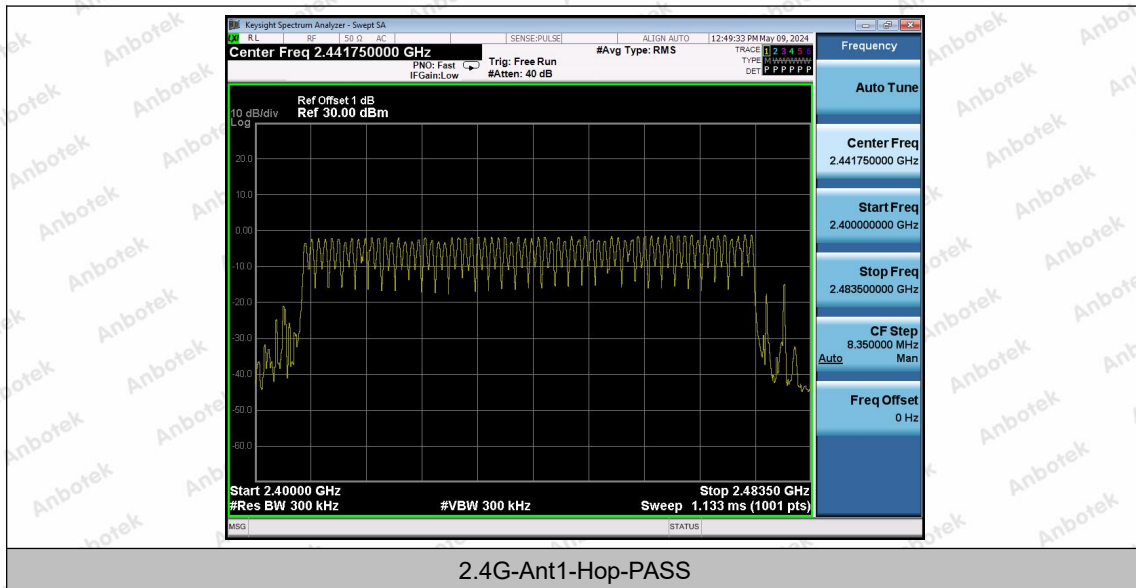


## Appendix F: Number of Hopping Channel

### Test Result

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

### Test Graphs

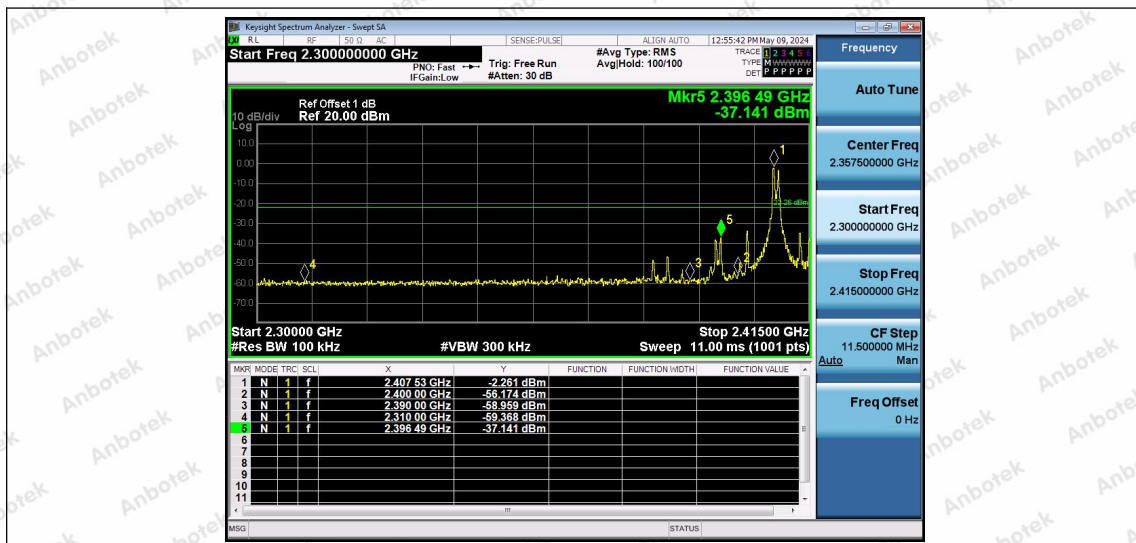


## Appendix G: Conducted Band edge

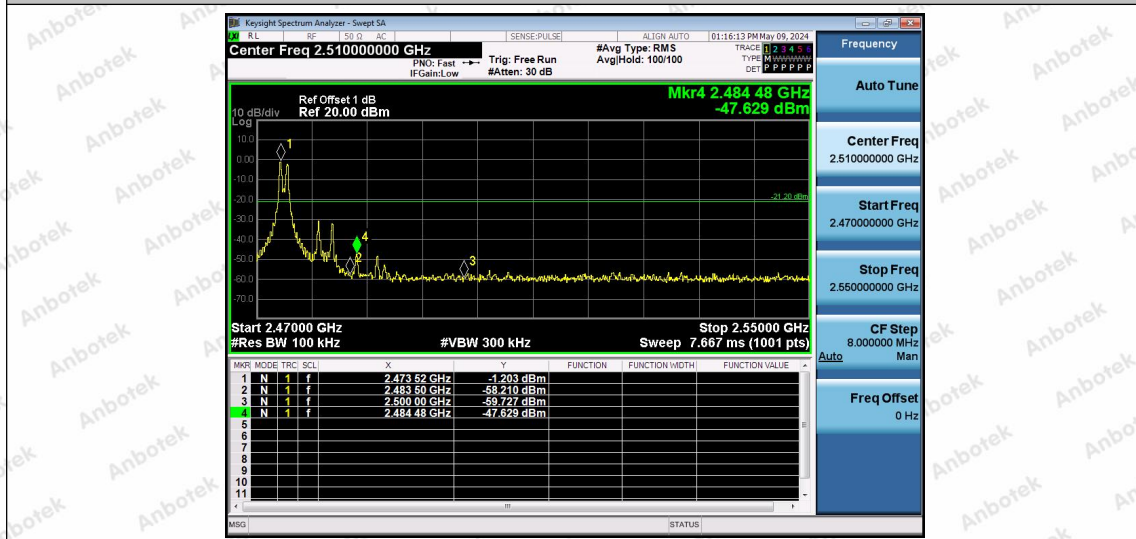
### Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2408	-2.26	-37.14	≤-22.26	PASS
2.4G	Ant1	High	2474	-1.20	-47.63	≤-21.2	PASS
2.4G	Ant1	Low	Hop_2408	-2.23	-37	≤-22.23	PASS
2.4G	Ant1	High	Hop_2474	-2.48	-32.3	≤-22.48	PASS

### Test Graphs



2.4G-Ant1-2408-PASS



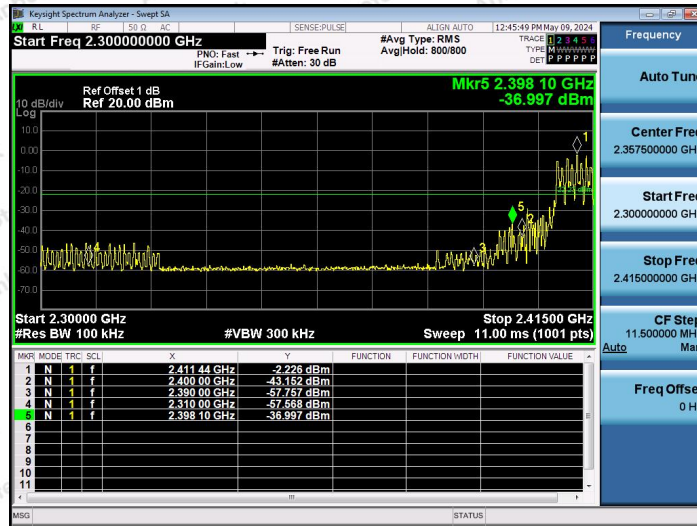
2.4G-Ant1-2474-PASS

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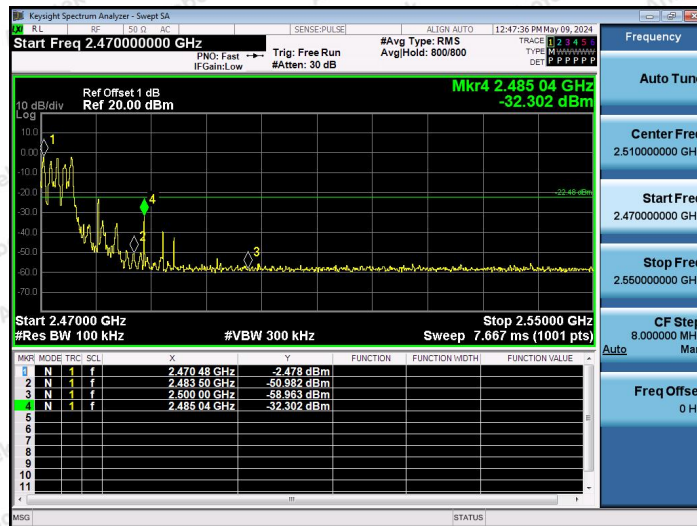
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2.4G-Ant1-Hop\_2408-PASS



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	-2.31	-2.31	---	PASS
2.4G	Ant1	2408	30~1000	-2.31	-41.36	≤-22.31	PASS
2.4G	Ant1	2408	1000~26500	-2.31	-47.83	≤-22.31	PASS
2.4G	Ant1	2440	0~Reference	-1.90	-1.90	---	PASS
2.4G	Ant1	2440	30~1000	-1.90	-41.55	≤-21.9	PASS
2.4G	Ant1	2440	1000~26500	-1.90	-48.02	≤-21.9	PASS
2.4G	Ant1	2474	0~Reference	-1.18	-1.18	---	PASS
2.4G	Ant1	2474	30~1000	-1.18	-41.58	≤-21.18	PASS
2.4G	Ant1	2474	1000~26500	-1.18	-47.12	≤-21.18	PASS

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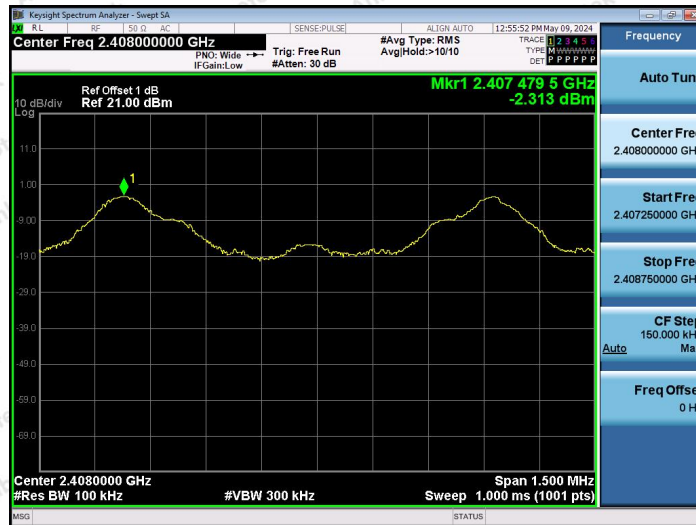
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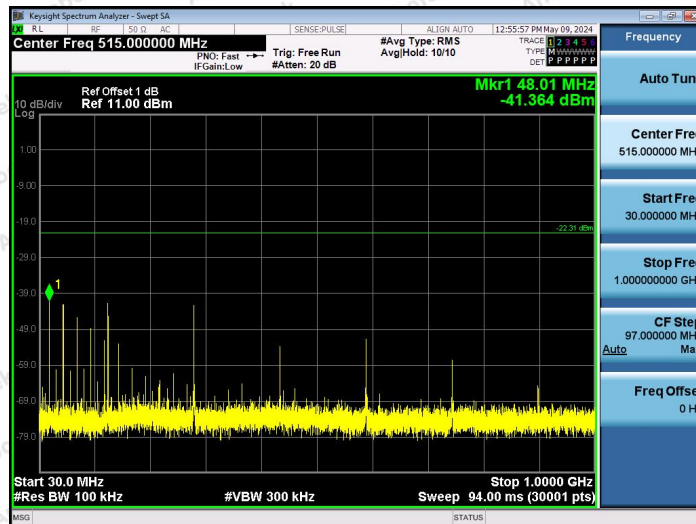
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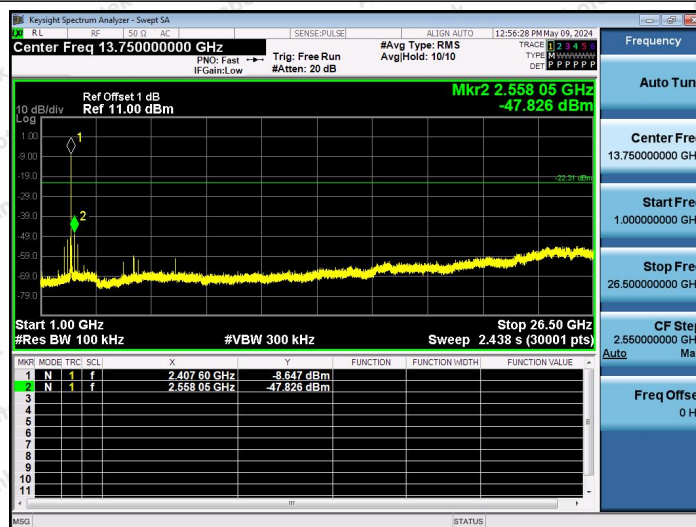
## Test Graphs



2.4G-Ant1-2408-0~Reference-PASS



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



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

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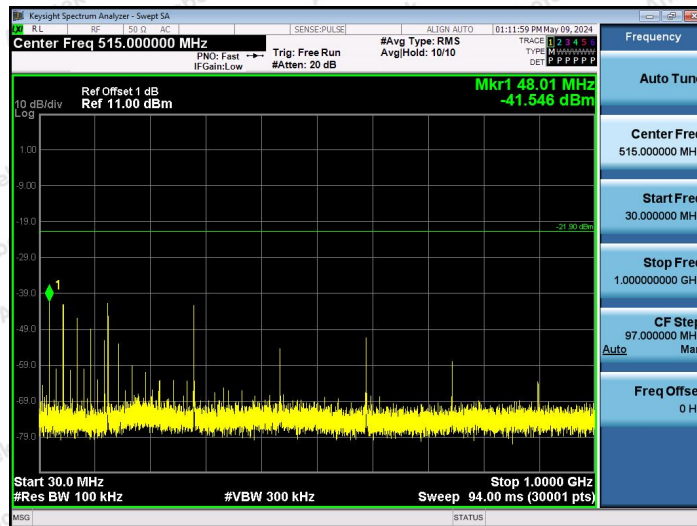
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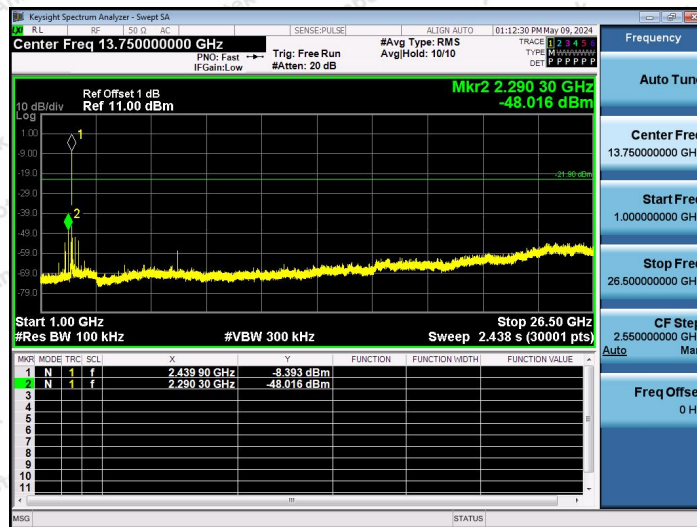




2.4G-Ant1-2440-0~Reference-PASS



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



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

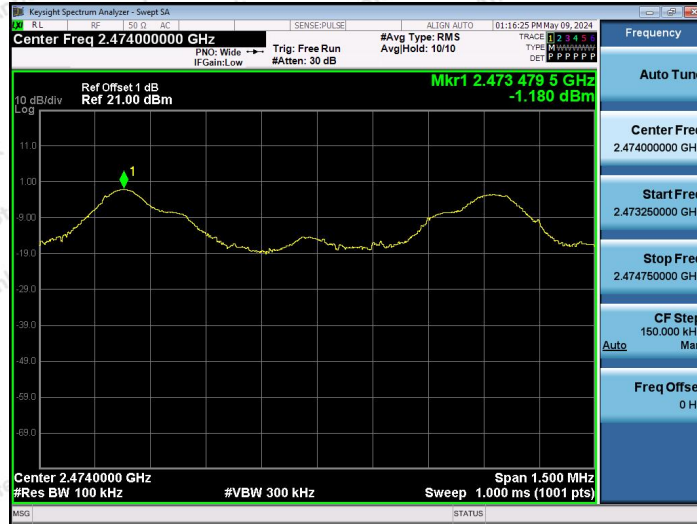
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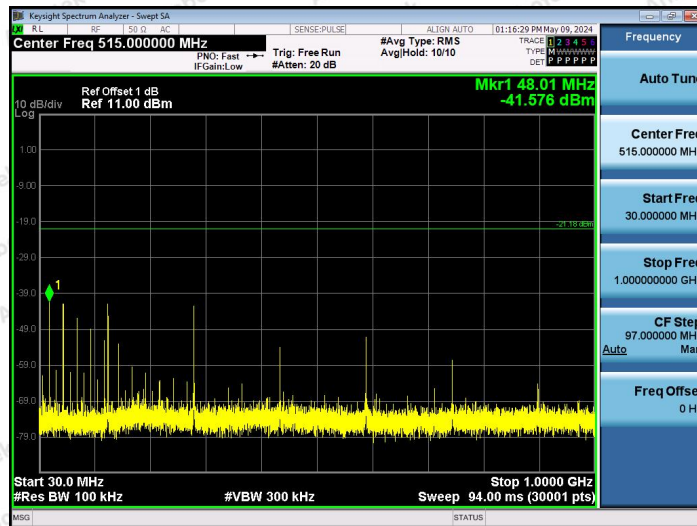
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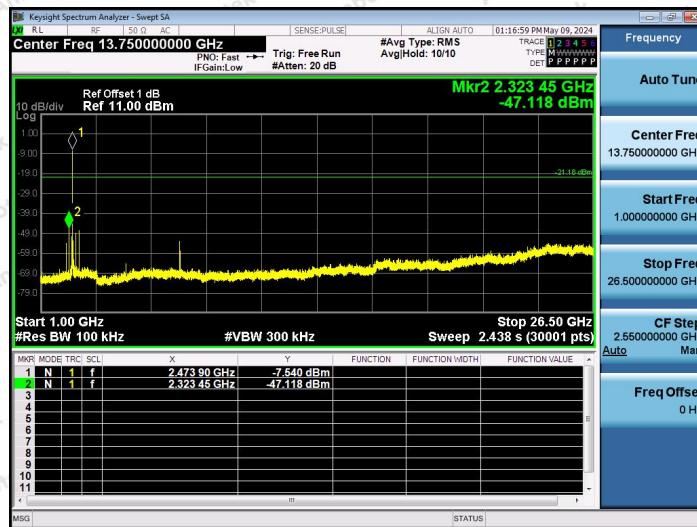




2.4G-Ant1-2474-0~Reference-PASS



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	27	100	0
2.4G	Ant1	2440	27	27	100	0
2.4G	Ant1	2474	27	27	100	0

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## Test Graphs



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