

## Appendix Test Data

Report No.:	1812C40040512501	Test Sample No.:	1-2-2
Start Test Date:	2024.09.03	Finish Test Date:	2024.09.03
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.3°C	Relative Humidity:	51%
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	2405	1.575	2404.190	2405.765	---	---
2.4G	Ant1	2441	1.585	2440.185	2441.770	---	---
2.4G	Ant1	2475	1.590	2474.185	2475.775	---	---



## Test Graphs



2.4G-Ant1-2405



2.4G-Ant1-2441



2.4G-Ant1-2475

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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	2405	1.8374	2404.0889	2405.9263	---	---
2.4G	Ant1	2441	1.8240	2440.0981	2441.9221	---	---
2.4G	Ant1	2475	1.8202	2474.0716	2475.8918	---	---





## Test Graphs



2.4G-Ant1-2405



2.4G-Ant1-2441



2.4G-Ant1-2475

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## Appendix C: Maximum Conducted Output Power

### Test Result Peak

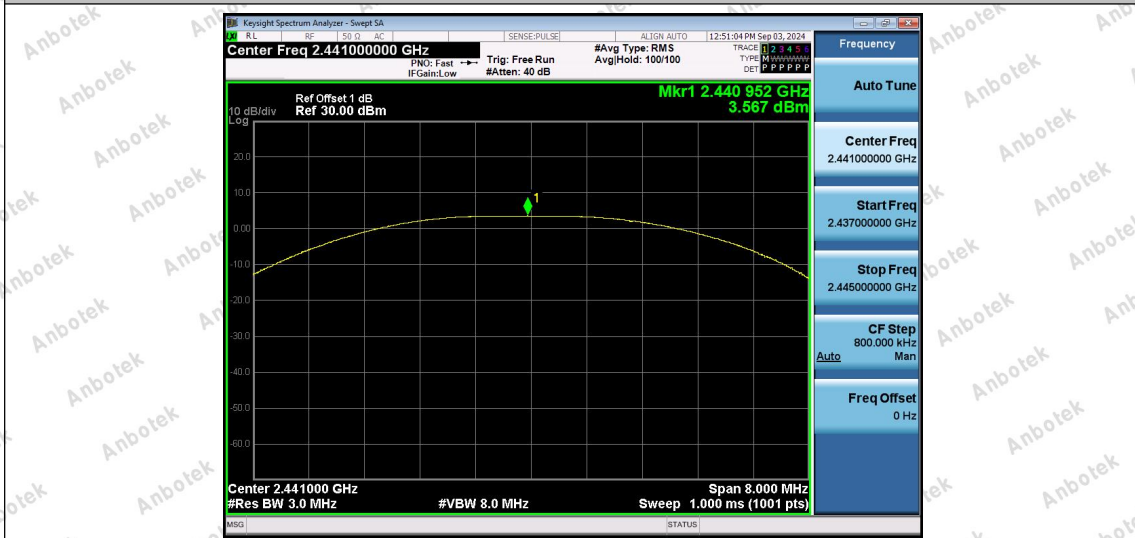
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	3.41	≤20.97	PASS
2.4G	Ant1	2441	3.57	≤20.97	PASS
2.4G	Ant1	2475	3.55	≤20.97	PASS



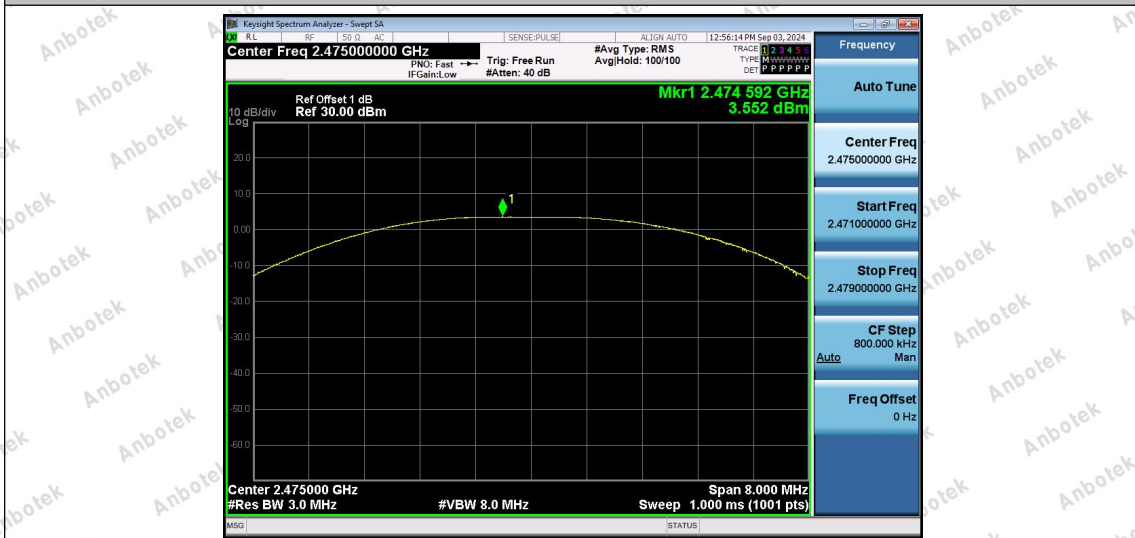
**Test Graphs**



2.4G-Ant1-2405-PASS



2.4G-Ant1-2441-PASS



2.4G-Ant1-2475-PASS

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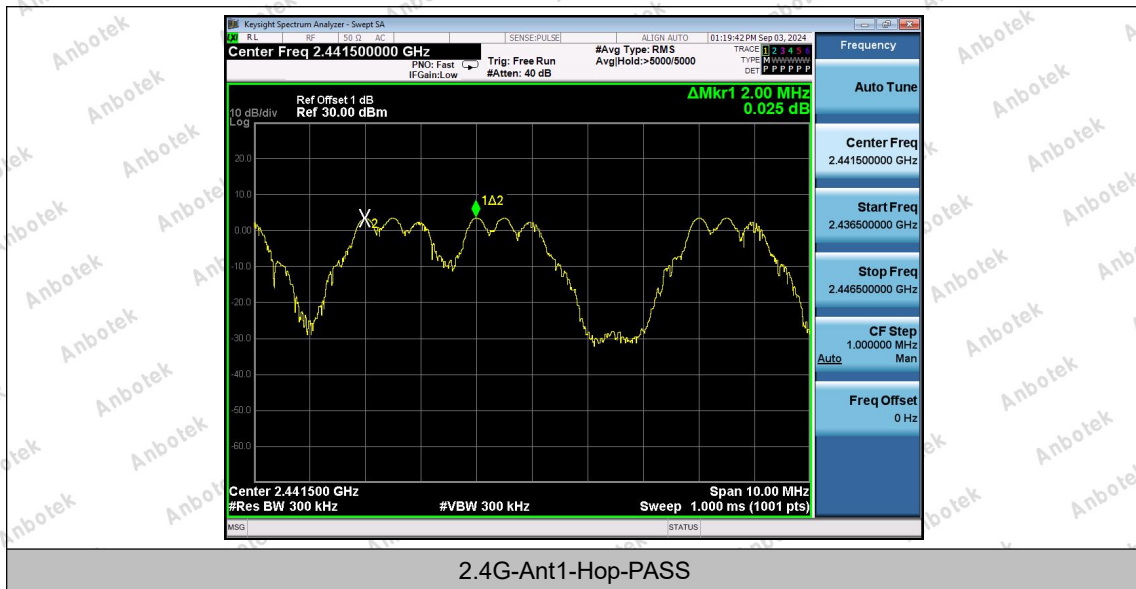


## Appendix D: Carrier frequency separation

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2	≥1.06	PASS

### Test Graphs

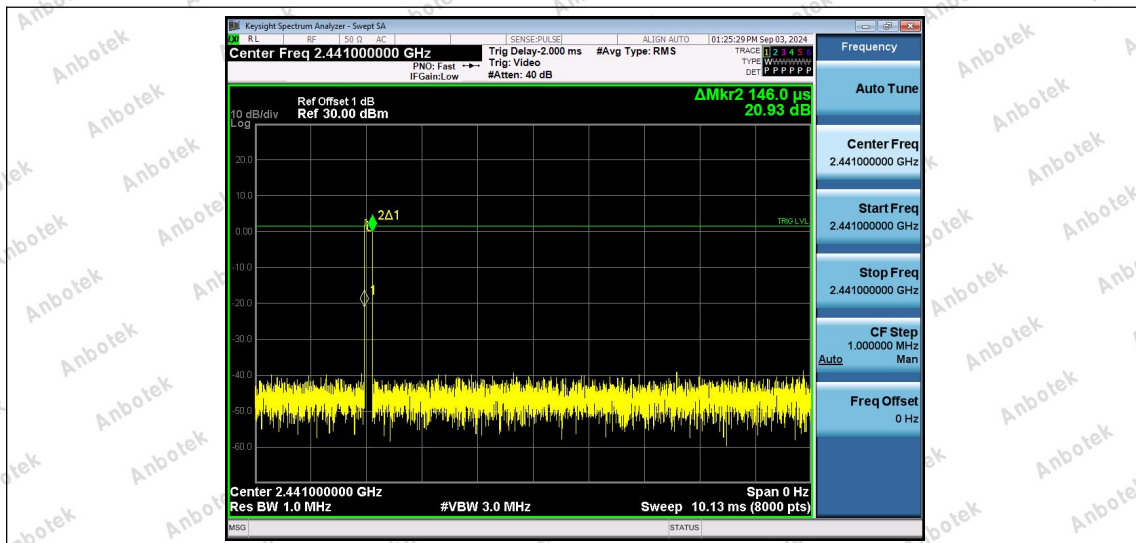


## Appendix E: Dwell Time

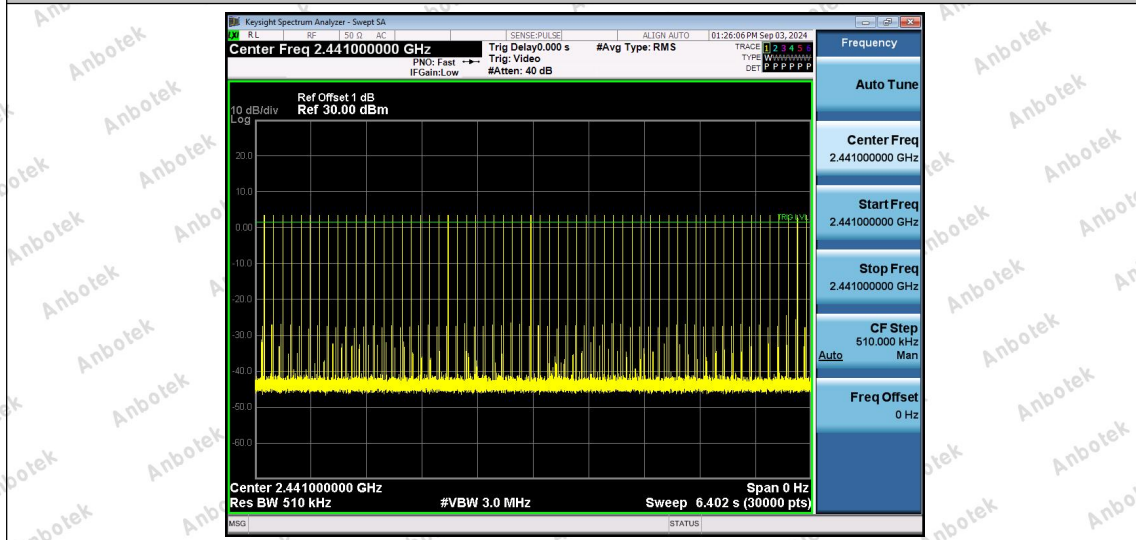
### Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.146	60	0.009	≤0.4	PASS

### Test Graphs



2.4G-Ant1-Hop-PASS



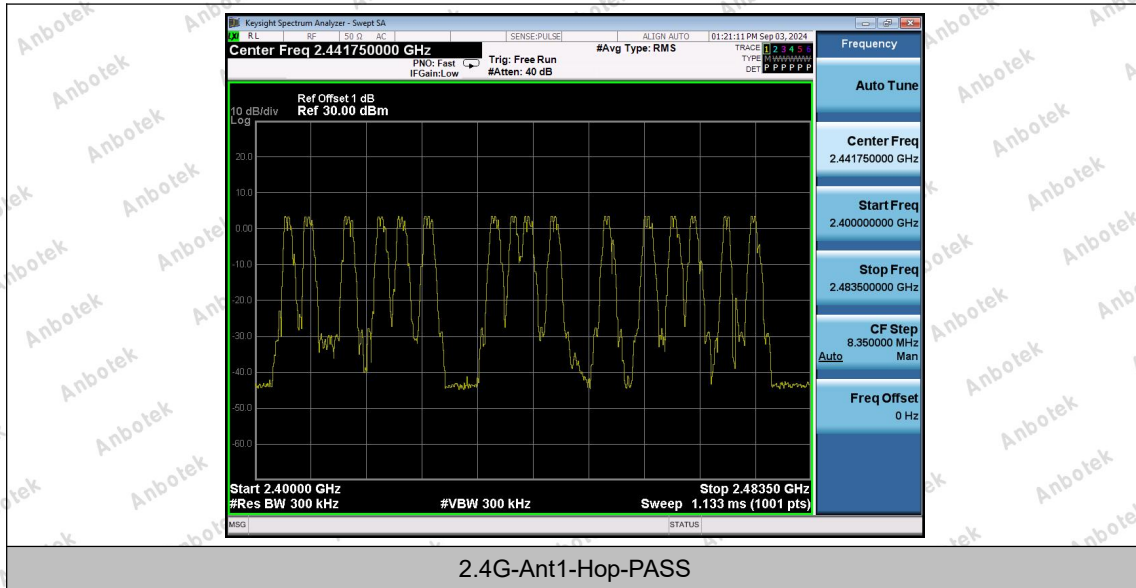


## Appendix F: Number of Hopping Channel

### Test Result

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

### Test Graphs



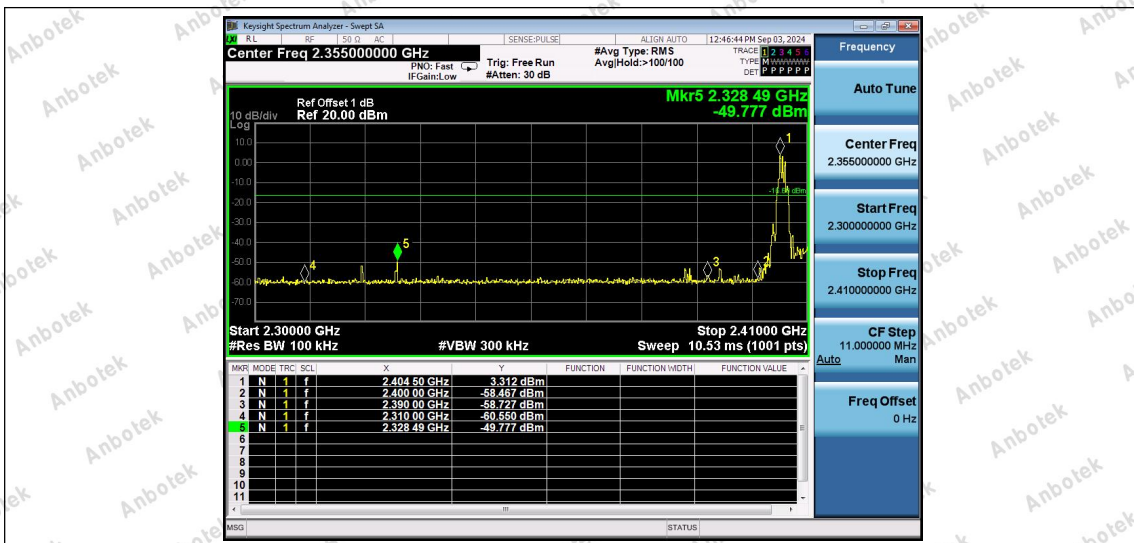
## Appendix G: Conducted Band edge

### Test Result

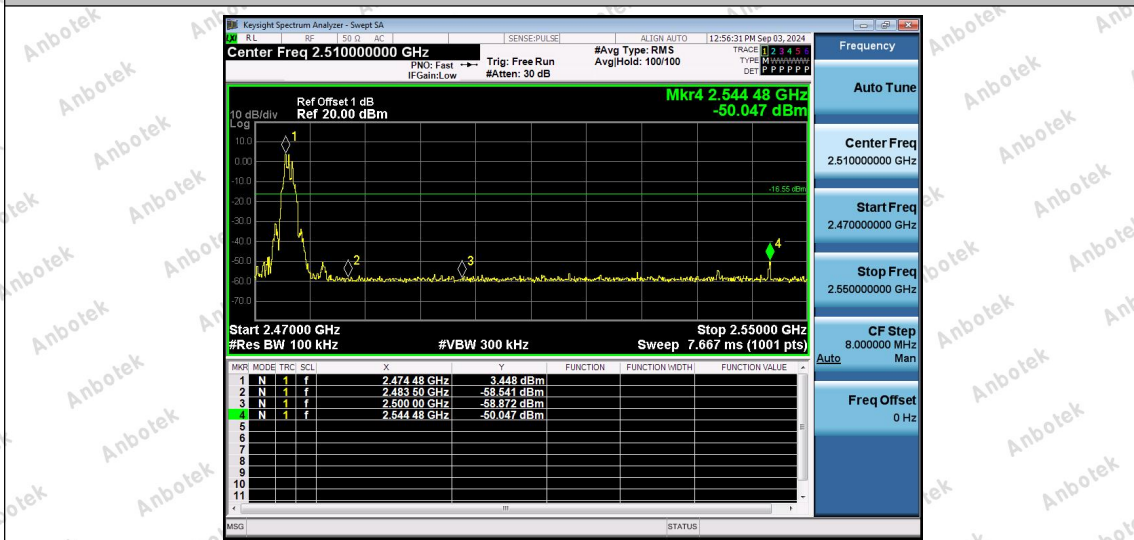
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2405	3.31	-49.78	≤-16.69	PASS
2.4G	Ant1	High	2475	3.45	-50.05	≤-16.55	PASS
2.4G	Ant1	Low	Hop	3.38	-50.02	≤-16.62	PASS
2.4G	Ant1	High	Hop	3.51	-47.57	≤-16.49	PASS



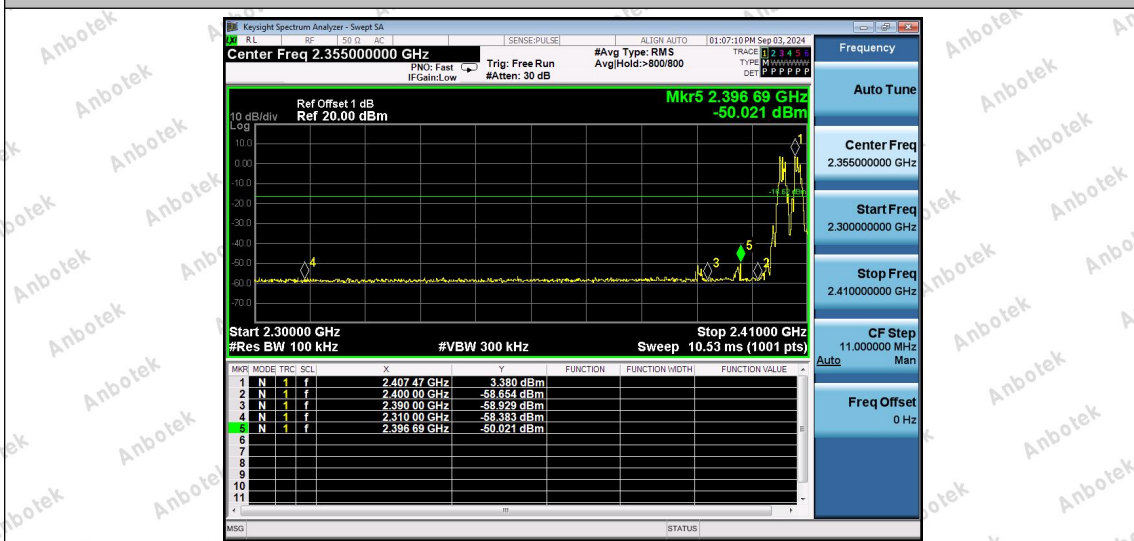
## Test Graphs



2.4G-Ant1-2405-PASS



2.4G-Ant1-2475-PASS



2.4G-Ant1-Hop-PASS

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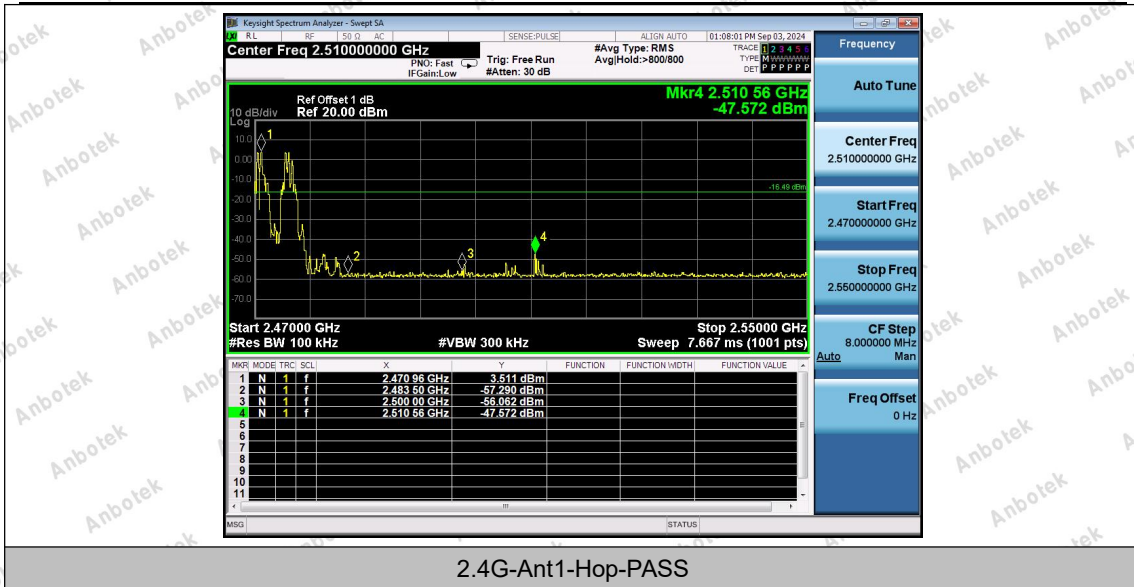
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahongcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,  
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2.4G-Ant1-Hop-PASS

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## Appendix H: Conducted Spurious Emission

### Test Result

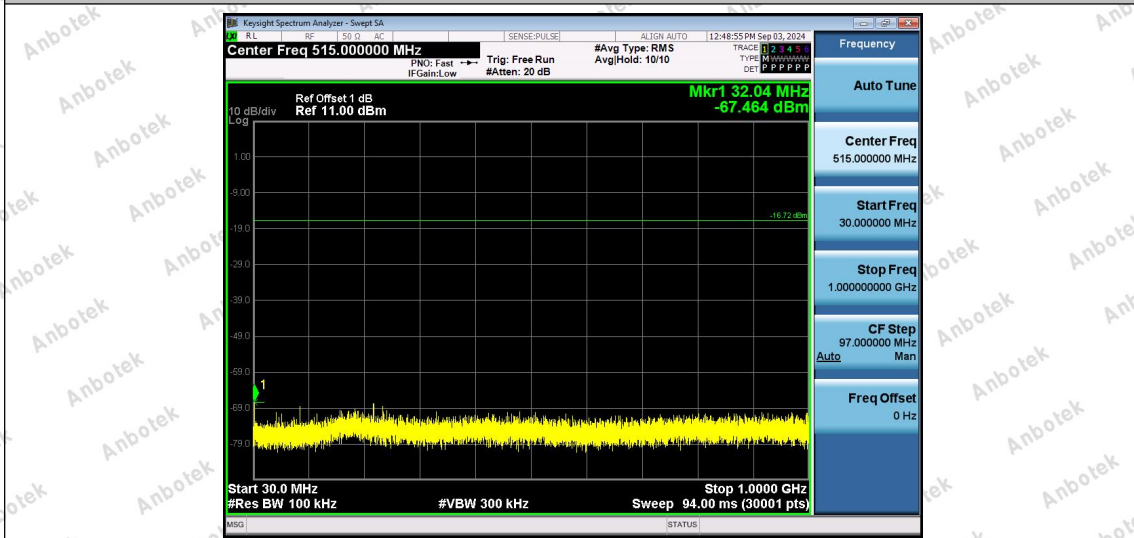
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2405	0~Reference	3.28	3.28	---	PASS
2.4G	Ant1	2405	30~1000	3.28	-67.46	≤-16.72	PASS
2.4G	Ant1	2405	1000~26500	3.28	-53.37	≤-16.72	PASS
2.4G	Ant1	2441	0~Reference	3.43	3.43	---	PASS
2.4G	Ant1	2441	30~1000	3.43	-67.72	≤-16.57	PASS
2.4G	Ant1	2441	1000~26500	3.43	-50.6	≤-16.57	PASS
2.4G	Ant1	2475	0~Reference	3.37	3.37	---	PASS
2.4G	Ant1	2475	30~1000	3.37	-66.48	≤-16.63	PASS
2.4G	Ant1	2475	1000~26500	3.37	-39.89	≤-16.63	PASS



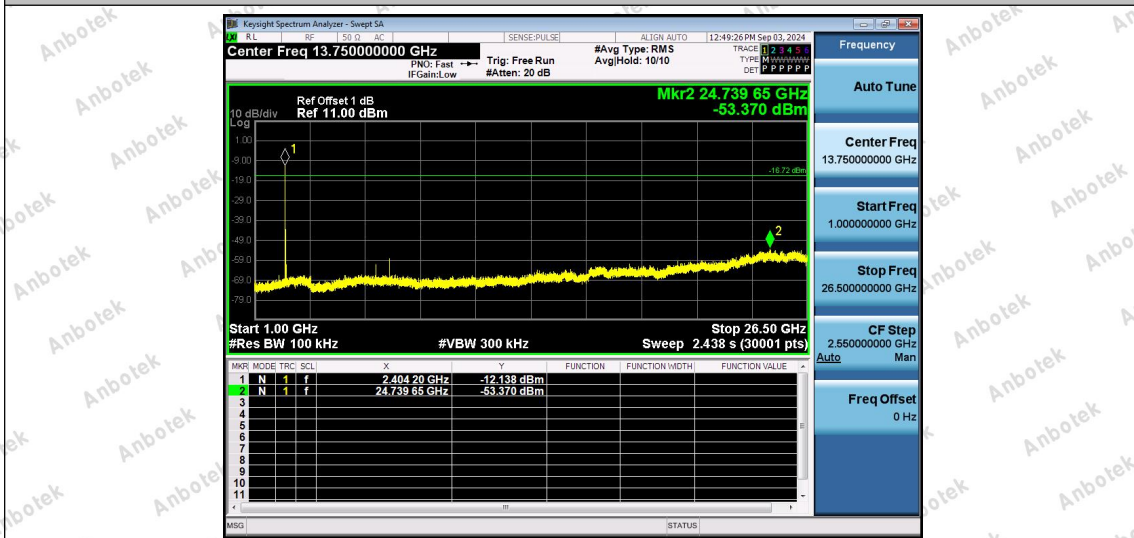
## Test Graphs



2.4G-Ant1-2405-0~Reference-PASS



2.4G-Ant1-2405-30~1000-PASS



2.4G-Ant1-2405-1000~26500-PASS

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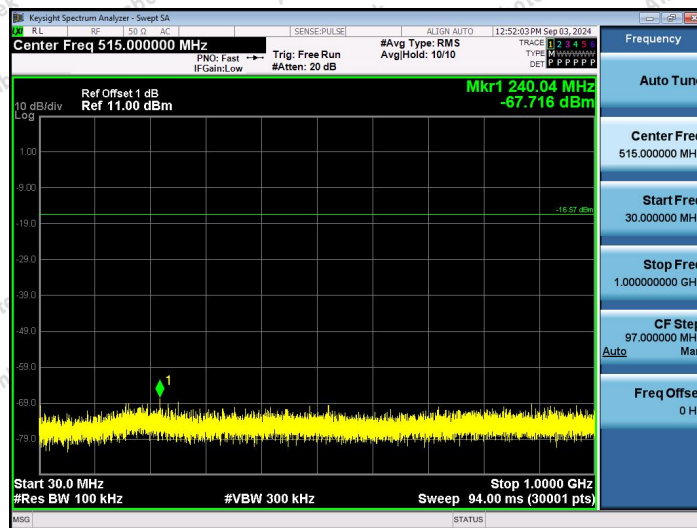
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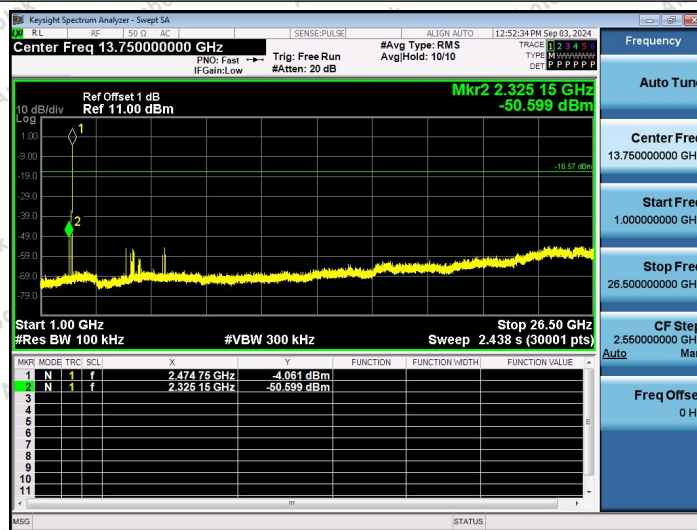




2.4G-Ant1-2441-0~Reference-PASS



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



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

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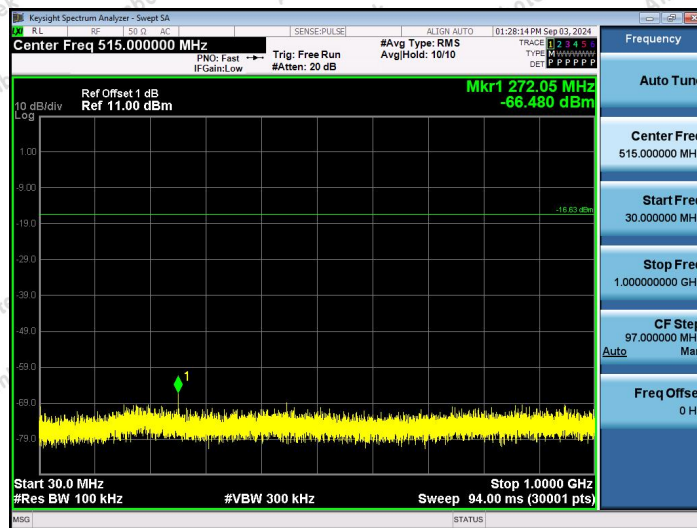
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,  
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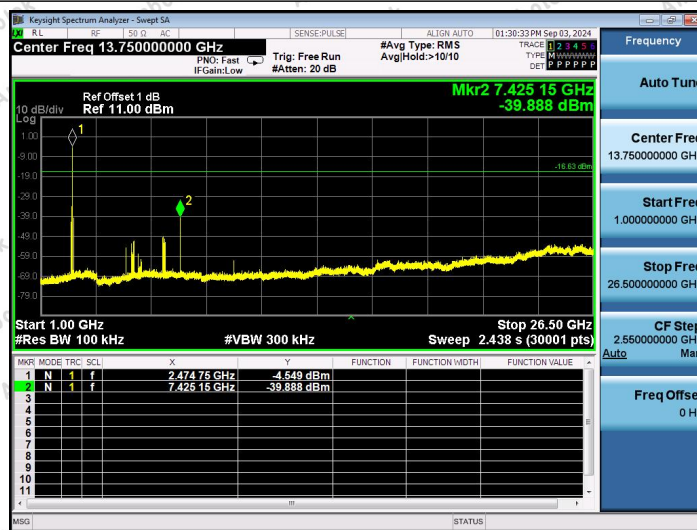




2.4G-Ant1-2475-0~Reference-PASS



2.4G-Ant1-2475-30~1000-PASS



2.4G-Ant1-2475-1000~26500-PASS

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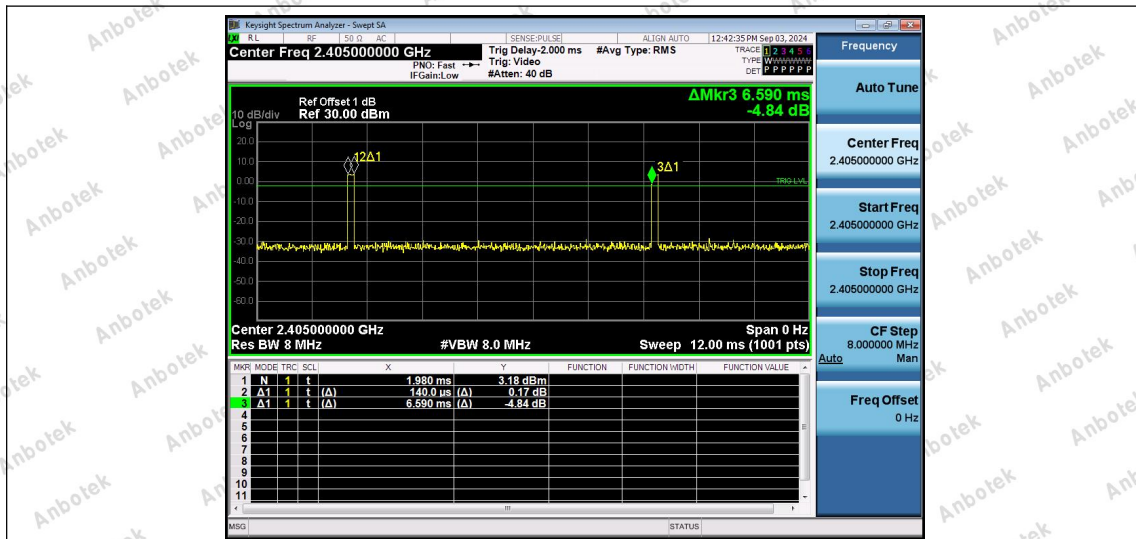


## Appendix I: Duty Cycle

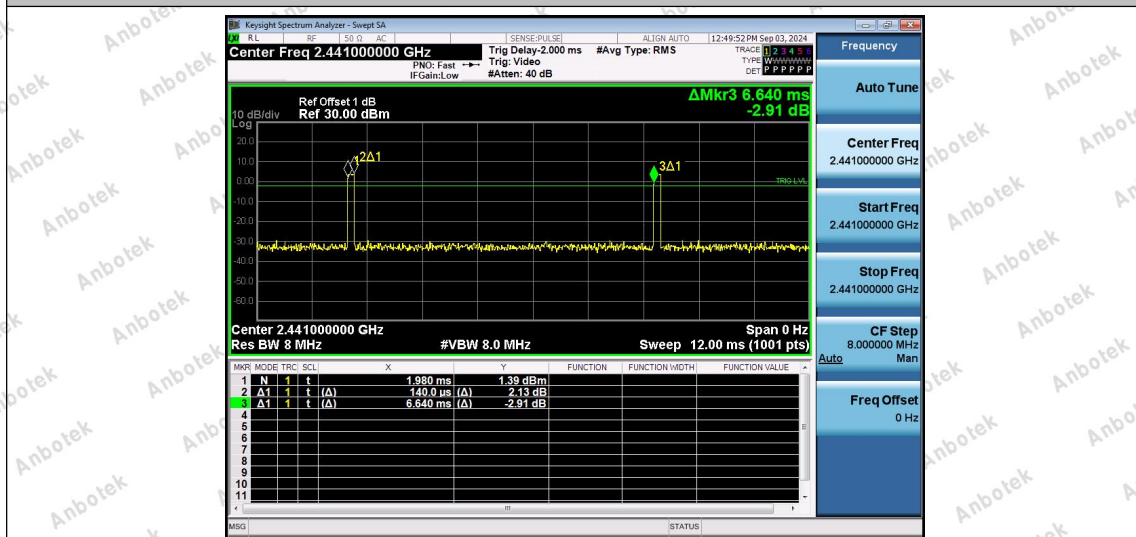
### Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2405	0.14	6.59	2.12	16.74
2.4G	Ant1	2441	0.14	6.64	2.11	16.76
2.4G	Ant1	2475	0.14	6.64	2.11	16.76

### Test Graphs



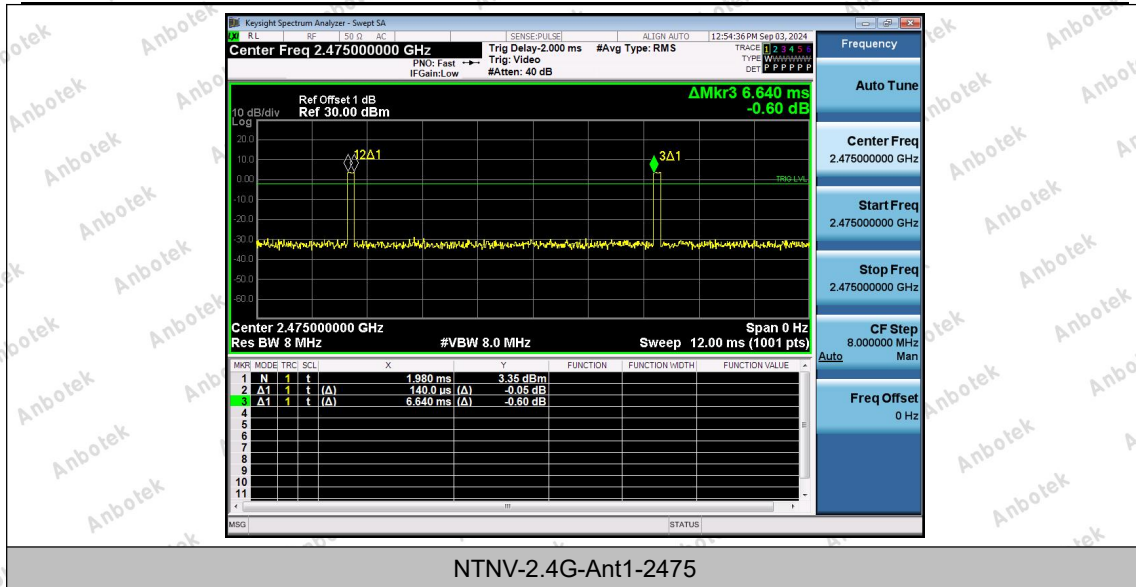
NTVN-2.4G-Ant1-2405



NTVN-2.4G-Ant1-2441







---End---

