

## Appendix Test Data

Report No.:	18220WC30155001	Test Sample No.:	1-2-2
Start Test Date:	2023.07.27	Finish Test Date:	2023.08.01
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.4°C	Relative Humidity:	49%
Pressure:	1012 hPa		

## Appendix A: 20dB Emission Bandwidth

## Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	1.878	2401.082	2402.960	---	---
		2440	1.890	2439.076	2440.966	---	---
		2480	1.902	2479.076	2480.978	---	---

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## Test Graphs



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## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	1.8334	2401.0971	2402.9305	---	---
		2440	1.8631	2439.0830	2440.9461	---	---
		2480	1.9023	2479.0564	2480.9587	---	---

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## Test Graphs



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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	-7.34	≤30	PASS
		2440	-7.24	≤30	PASS
		2480	-7.18	≤30	PASS

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## Test Graphs



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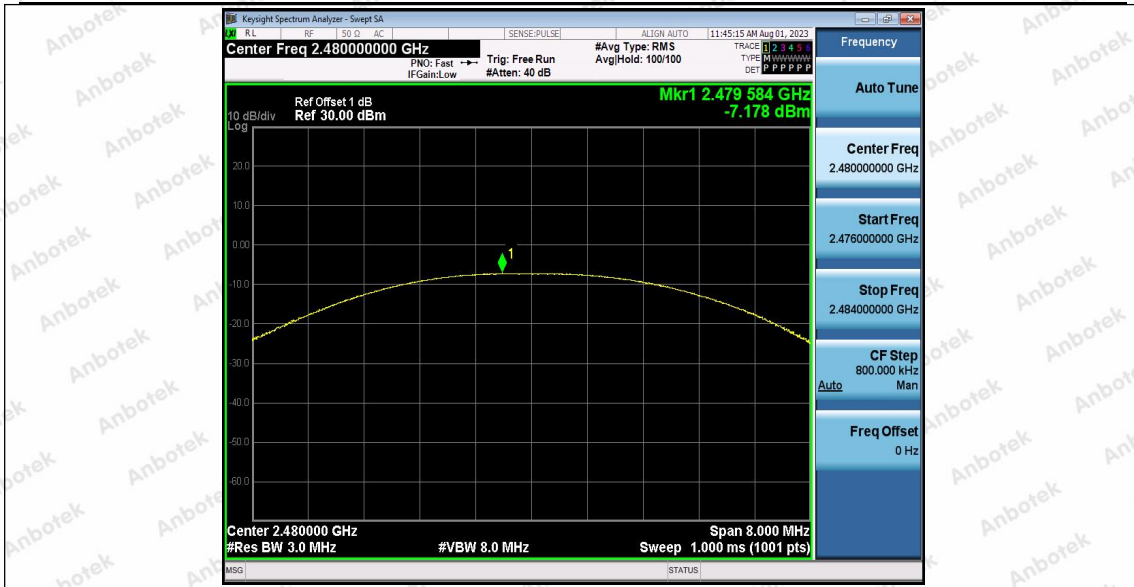
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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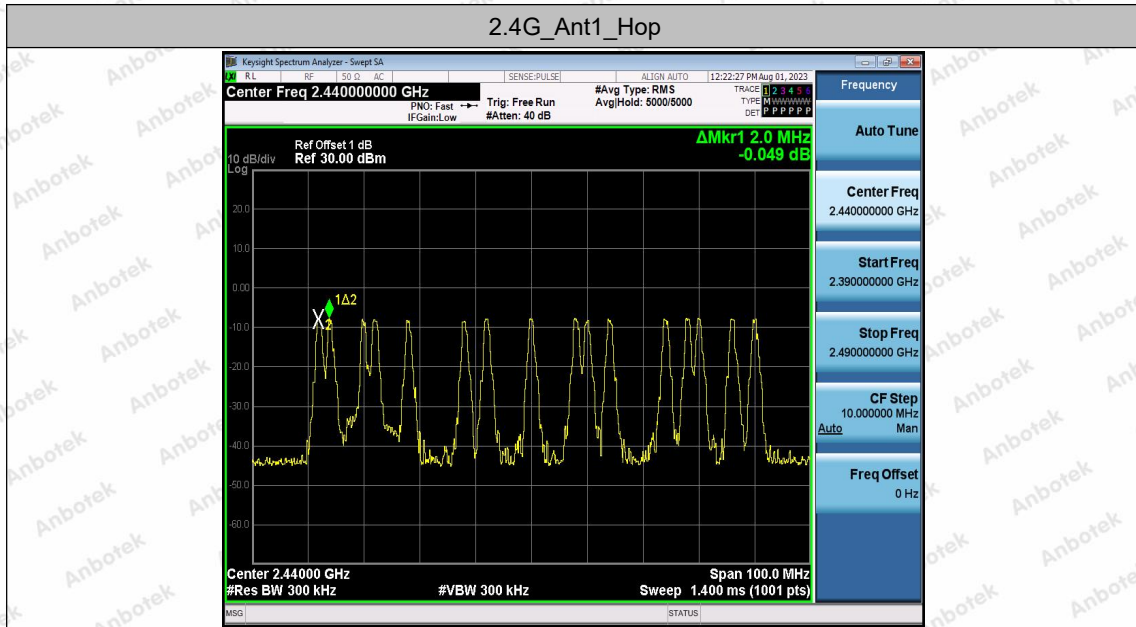
## Appendix D: Carrier frequency separation

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.000	≥1.268	PASS



## Test Graphs



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## Appendix E: Time of occupancy

### Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.062	100	0.006	≤0.4	PASS

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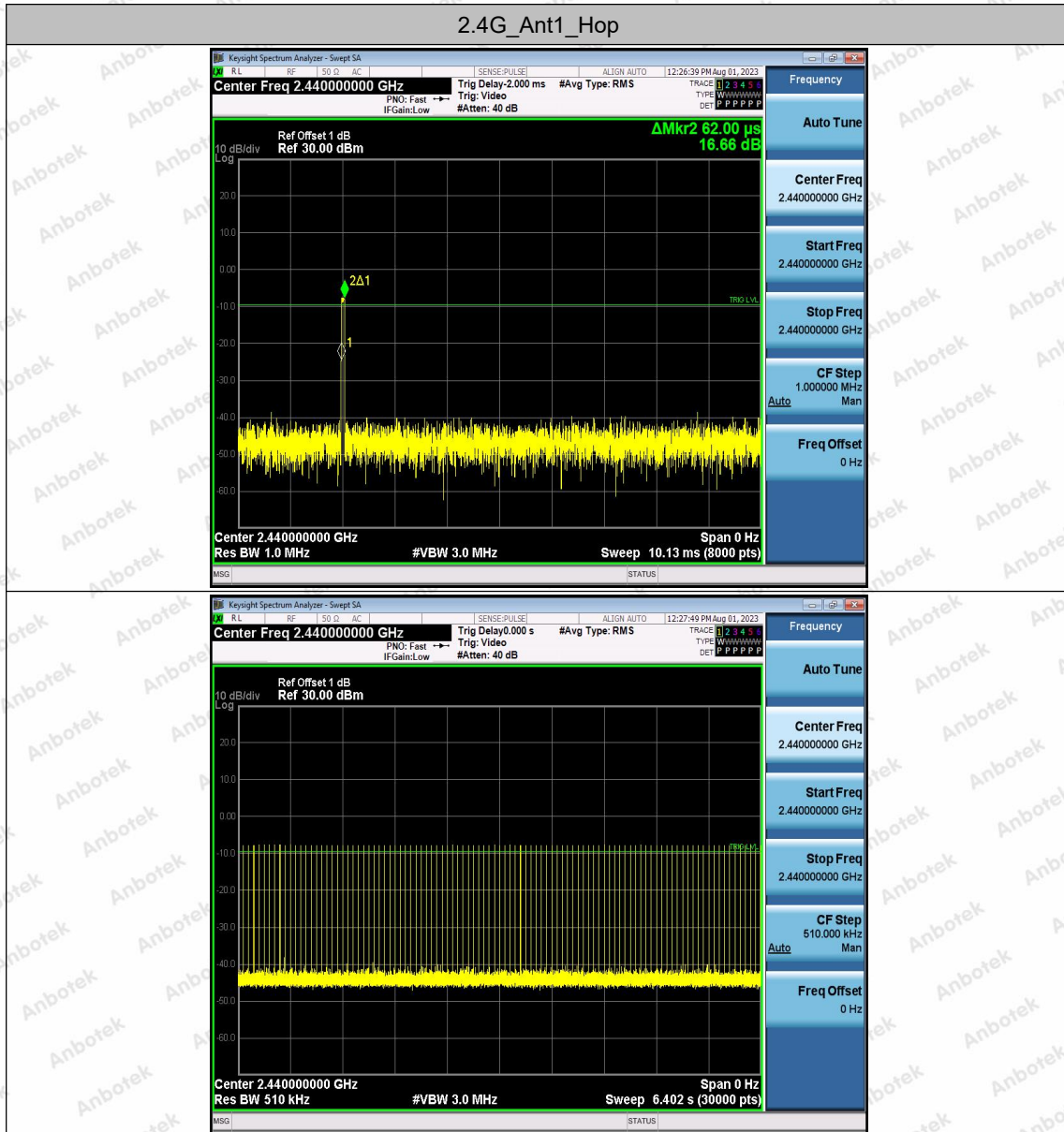
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## Test Graphs



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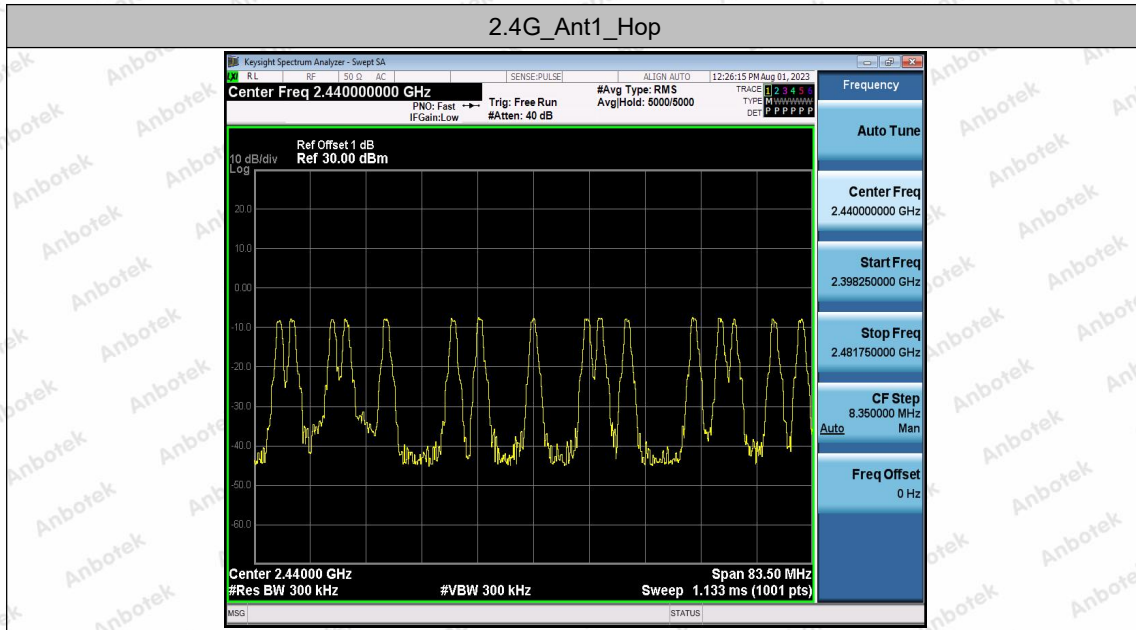
## Appendix F: Number of hopping channels

### Test Result

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



## Test Graphs



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## Appendix G: Band edge measurements

### Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402	-9.48	-46.08	≤-29.48	PASS
		High	2480	-9.38	-51.35	≤-29.38	PASS
		Low	Hop_2402	-9.23	-52.67	≤-29.23	PASS
		High	Hop_2480	-8.89	-55.95	≤-28.89	PASS

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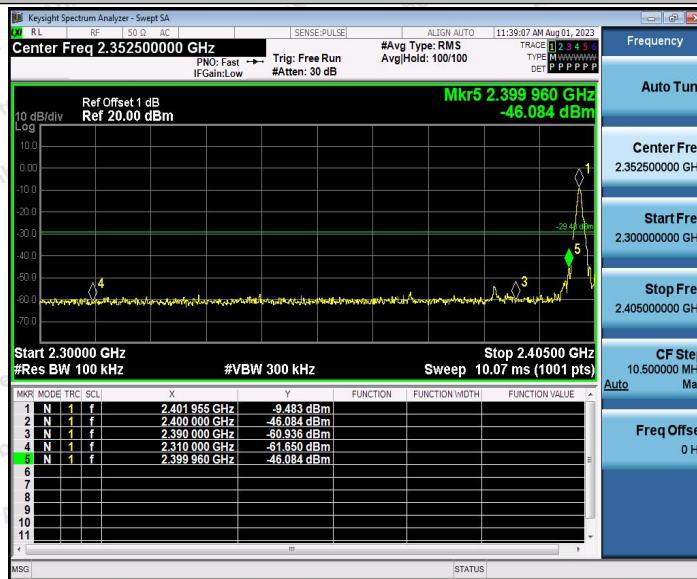
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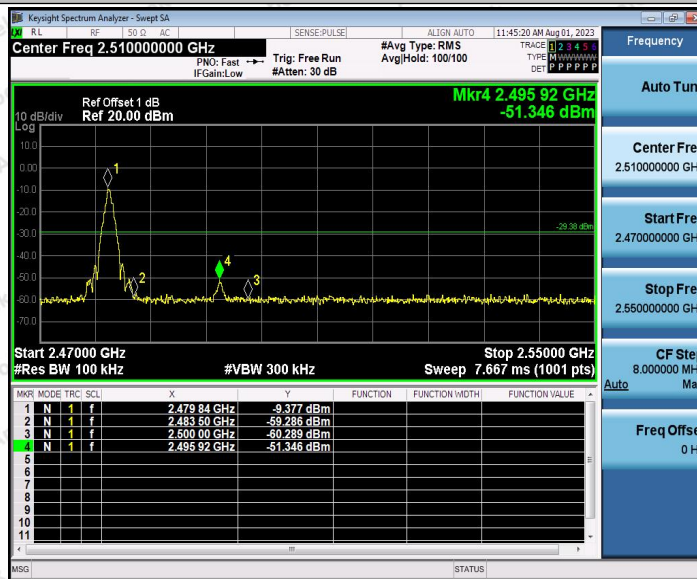


## Test Graphs

2.4G\_Ant1\_Low\_2402



2.4G\_Ant1\_High\_2480



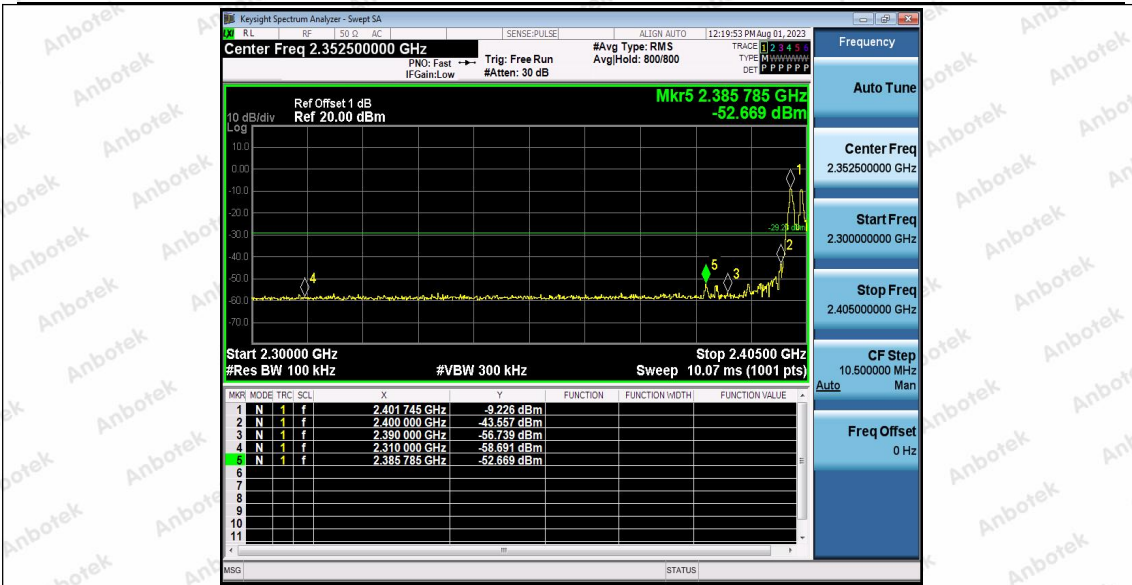
2.4G\_Ant1\_Low\_Hop\_2402

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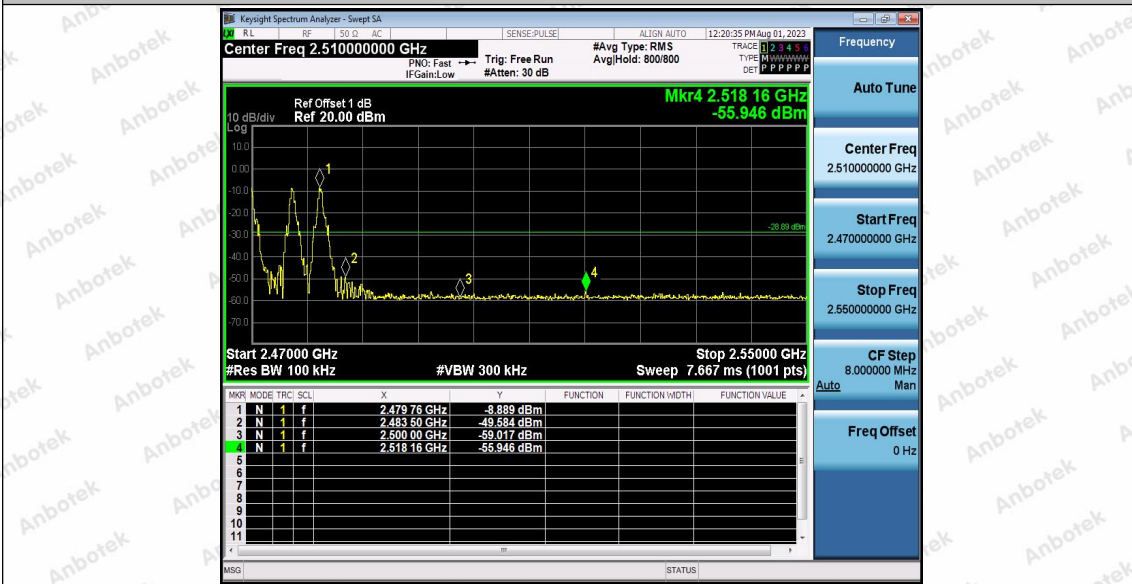
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2.4G\_Ant1\_High\_Hop\_2480



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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	Reference	-9.33	-9.33	---	PASS
			30~1000	-9.33	-67.26	≤-29.33	PASS
			1000~26500	-9.33	-49.34	≤-29.33	PASS
		2440	Reference	-9.59	-9.59	---	PASS
			30~1000	-9.59	-66.25	≤-29.59	PASS
			1000~26500	-9.59	-51.02	≤-29.59	PASS
		2480	Reference	-9.57	-9.57	---	PASS
			30~1000	-9.57	-67.23	≤-29.57	PASS
			1000~26500	-9.57	-49.86	≤-29.57	PASS

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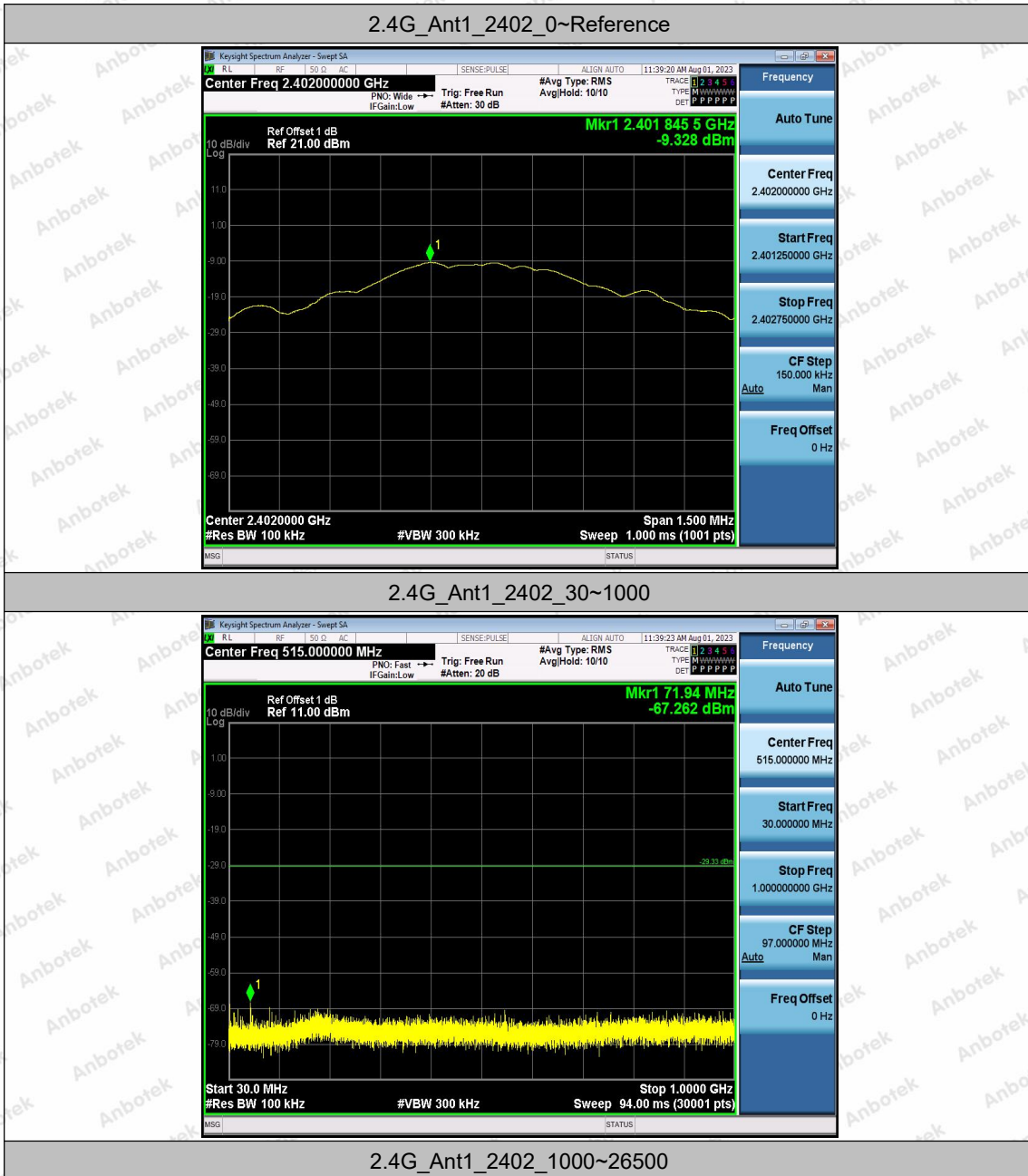
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## Test Graphs

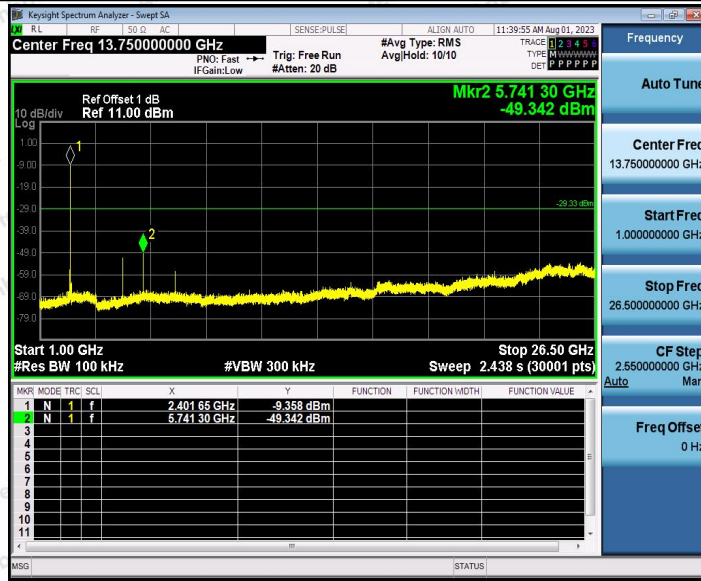


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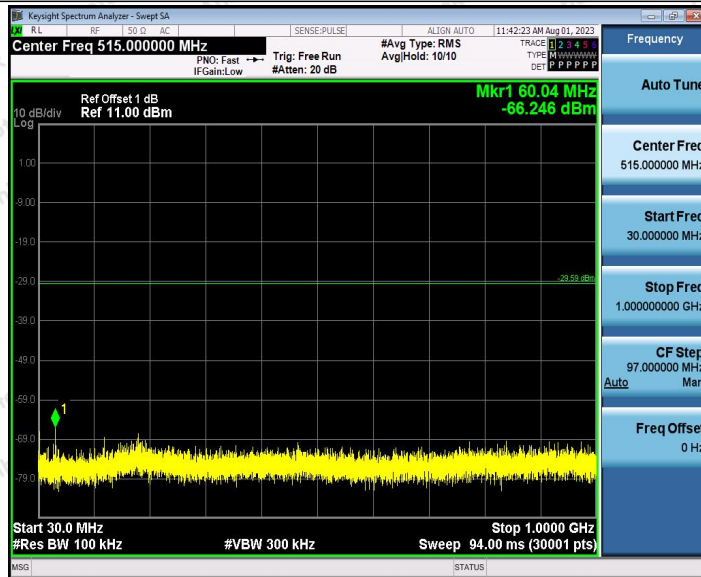




2.4G\_Ant1\_2440\_0~Reference



2.4G\_Ant1\_2440\_30~1000

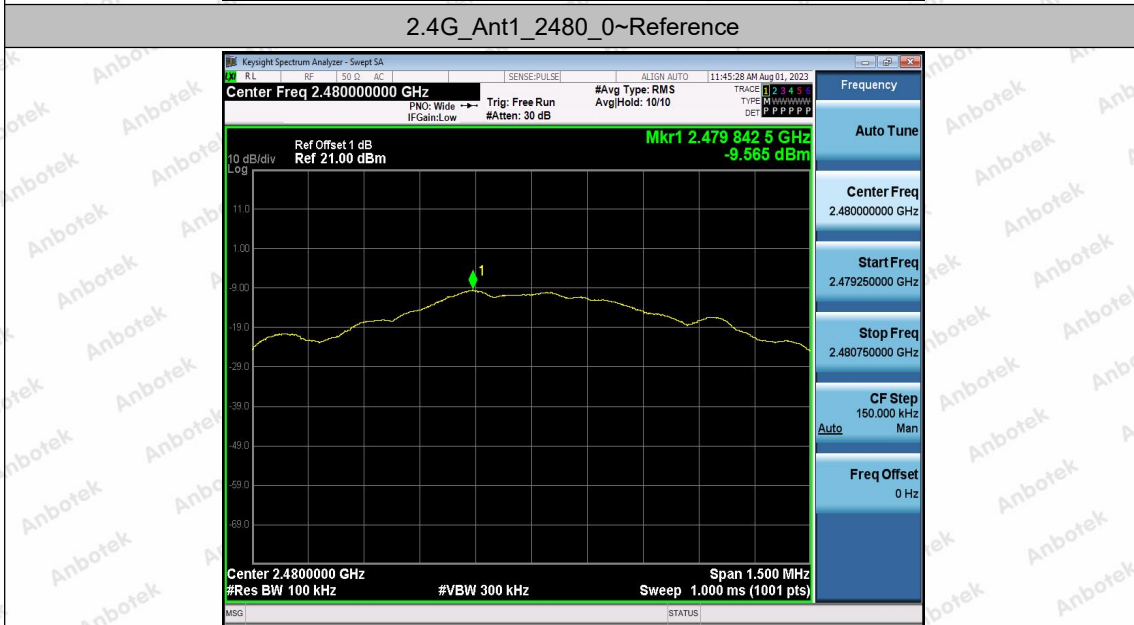
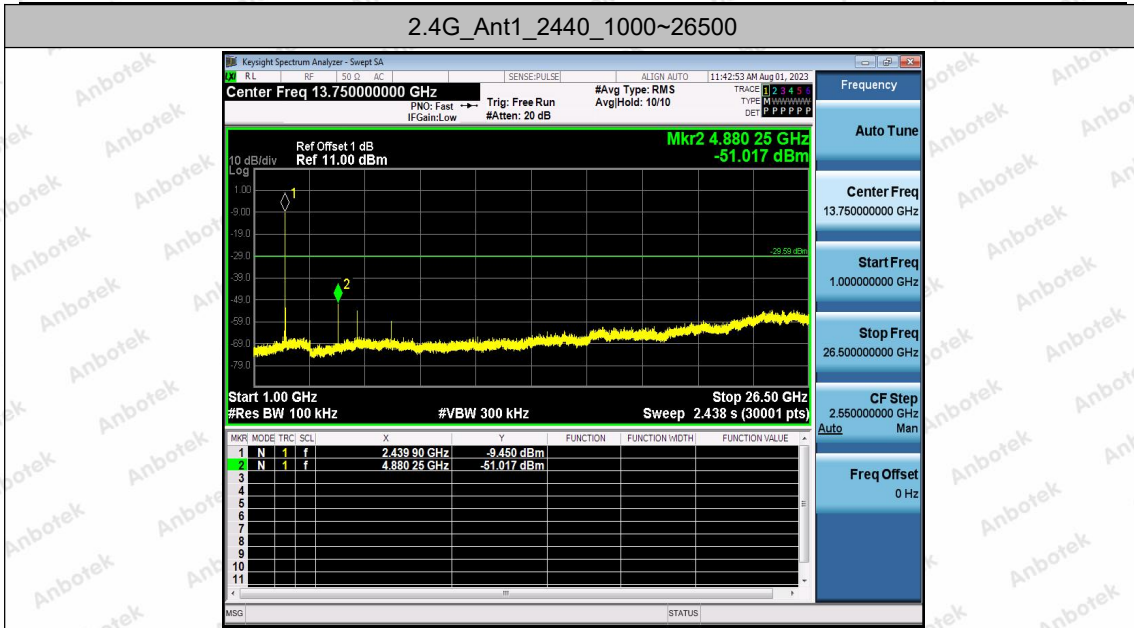


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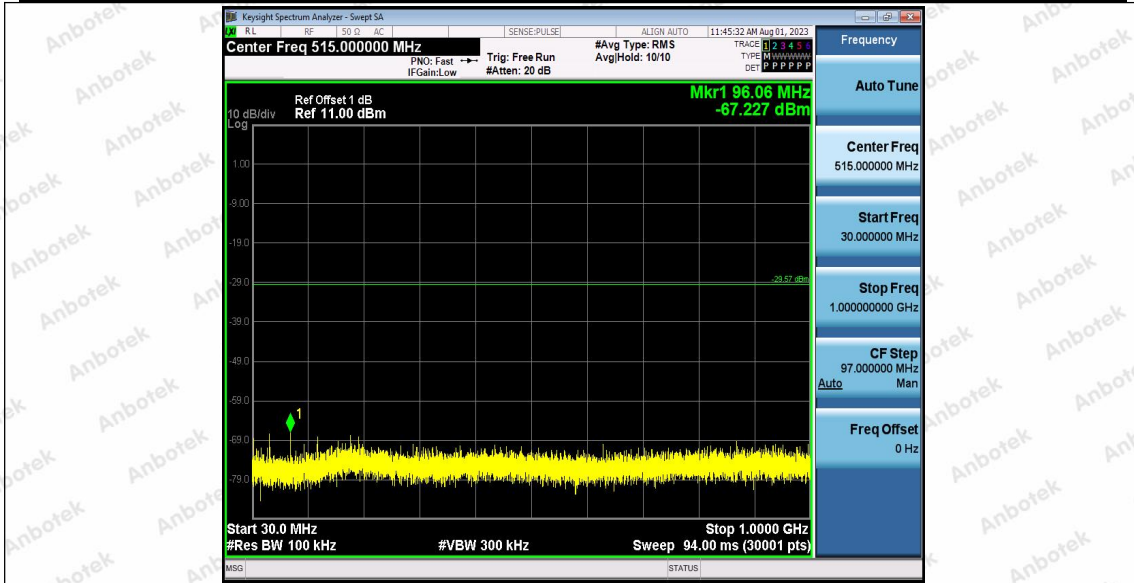
2.4G\_Ant1\_2480\_30~1000

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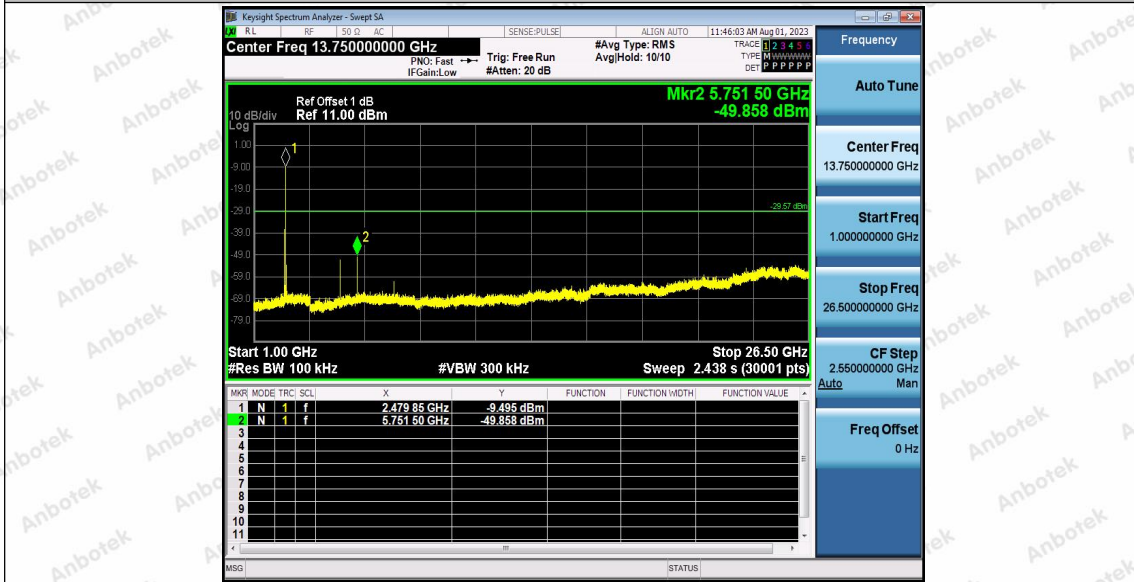
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2.4G\_Ant1\_2480\_1000~26500



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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	2402	27.00	27.00	100	0.00
		2440	27.00	27.00	100	0.00
		2480	27.00	27.00	100	0.00





## Test Graphs

2.4G\_Ant1\_2402



2.4G\_Ant1\_2440



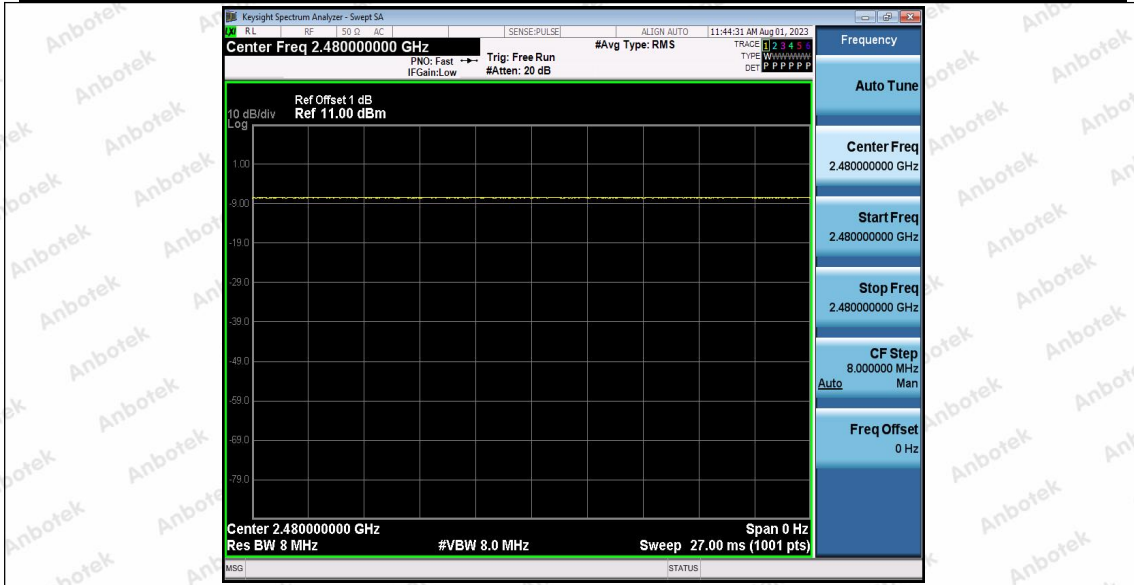
2.4G\_Ant1\_2480

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