

## Appendix Test Data

Report No.:	18220WC30151001	Test Sample No.:	1-2-2
Start Test Date:	2023.07.24	Finish Test Date:	2023.07.31
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.6°C	Relative Humidity:	48%
Pressure:	1012 hPa		

## Appendix A: DTS Bandwidth

## Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2420	0.684	2419.616	2420.300	0.5	PASS
		2450	0.736	2449.612	2450.348	0.5	PASS
		2470	0.744	2469.596	2470.340	0.5	PASS

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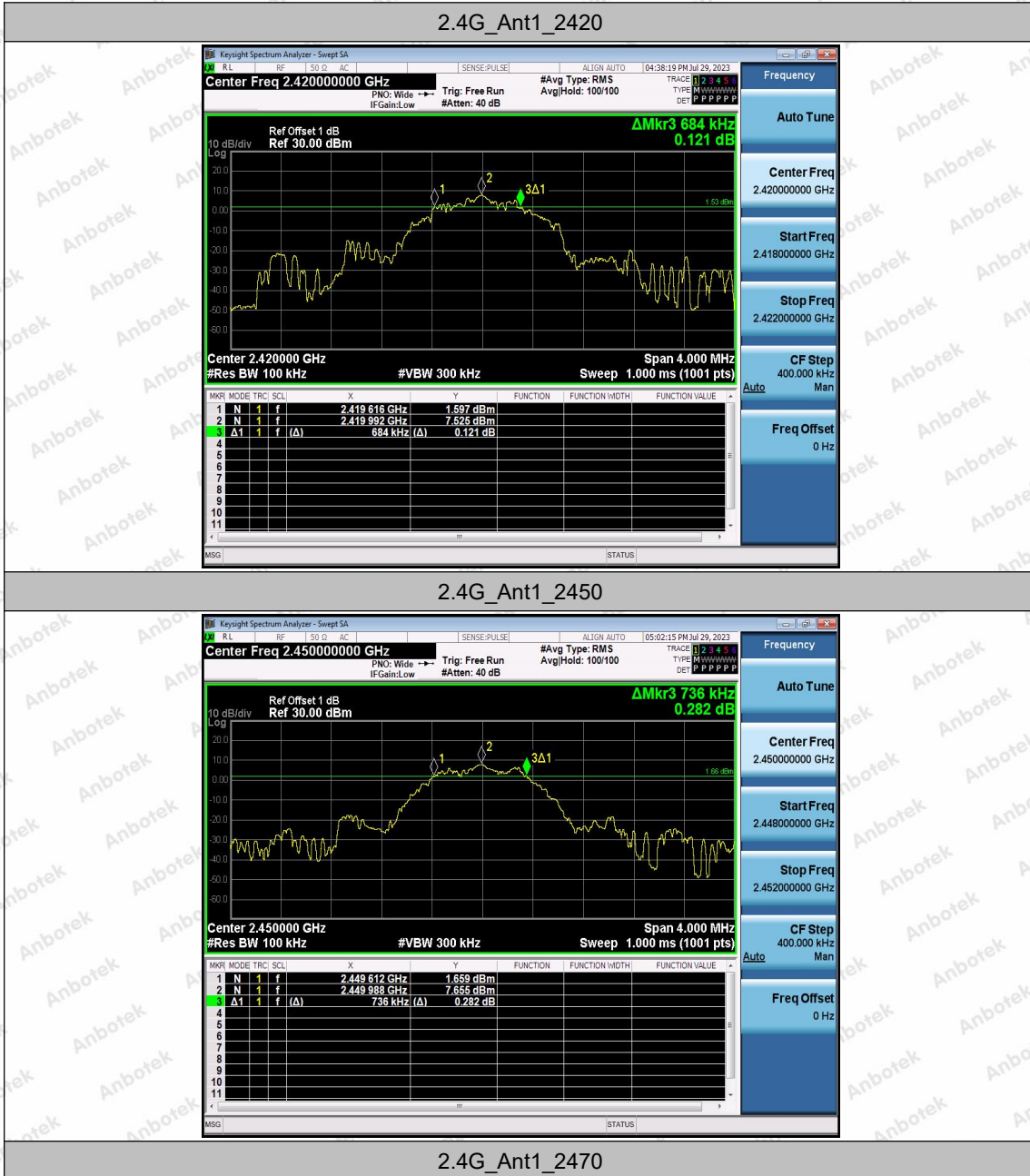
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## Test Graphs



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## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4G	Ant1	2420	1.1204	2419.4165	2420.5369
		2450	1.0687	2449.4440	2450.5127
		2470	1.0520	2469.4765	2470.5285

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## Test Graphs



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## Appendix C: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2420	7.57	≤30	PASS
		2450	7.70	≤30	PASS
		2470	7.91	≤30	PASS

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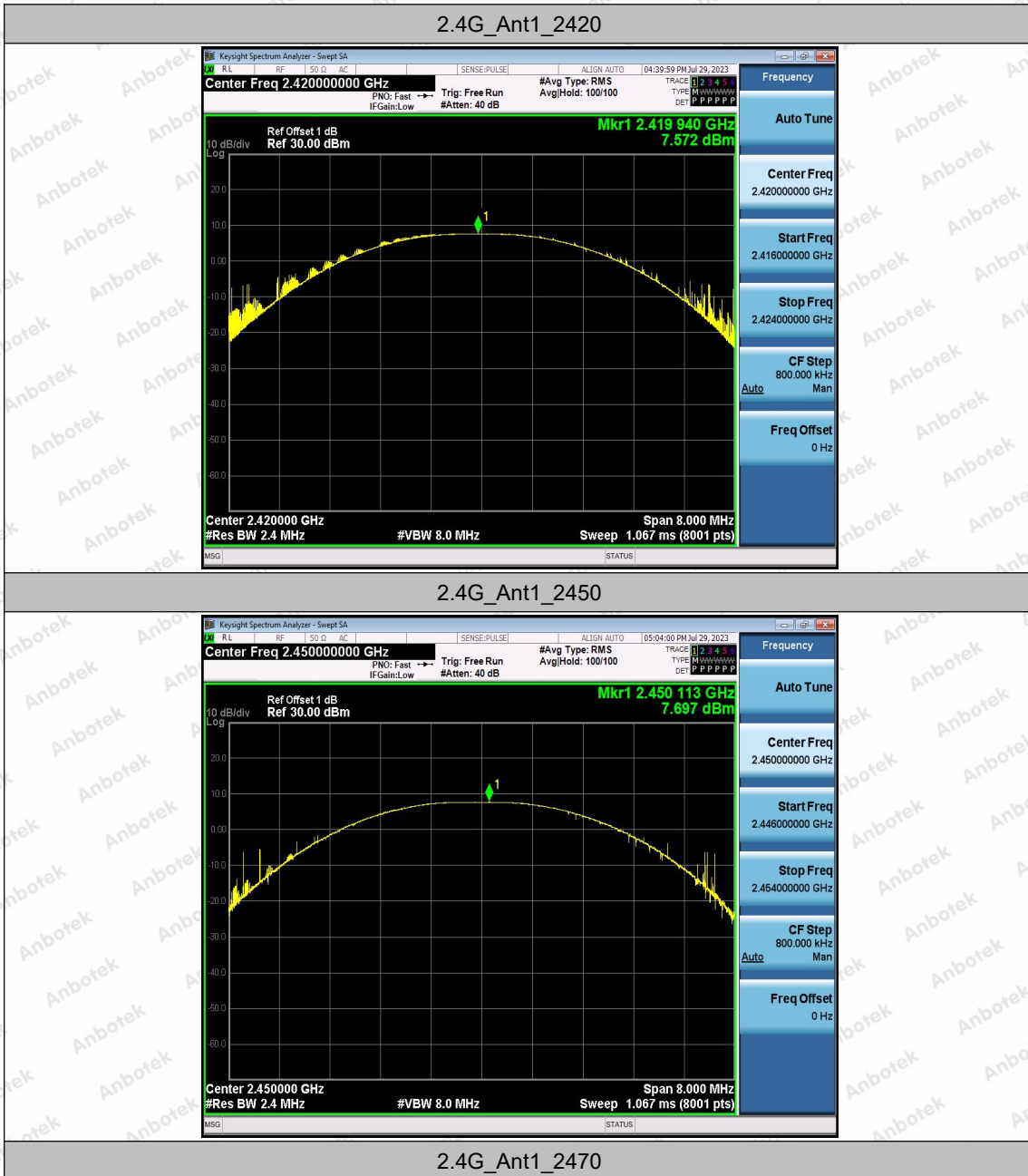
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## Test Graphs Peak



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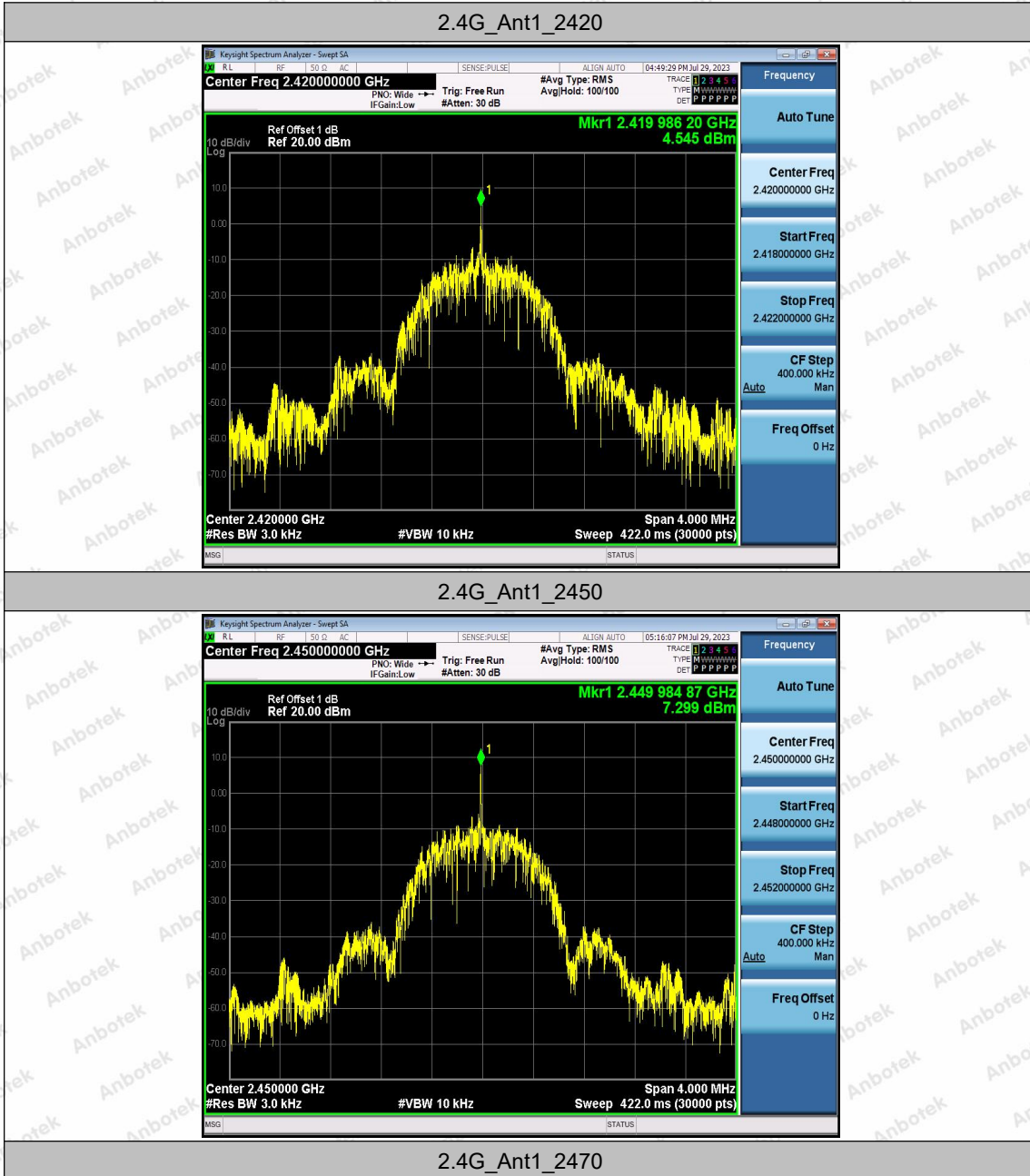
## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2420	4.55	≤8.00	PASS
		2450	7.3	≤8.00	PASS
		2470	7.69	≤8.00	PASS



## Test Graphs



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## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2420	7.57	-41.56	≤-12.43	PASS
		High	2470	8.04	-40.75	≤-11.96	PASS

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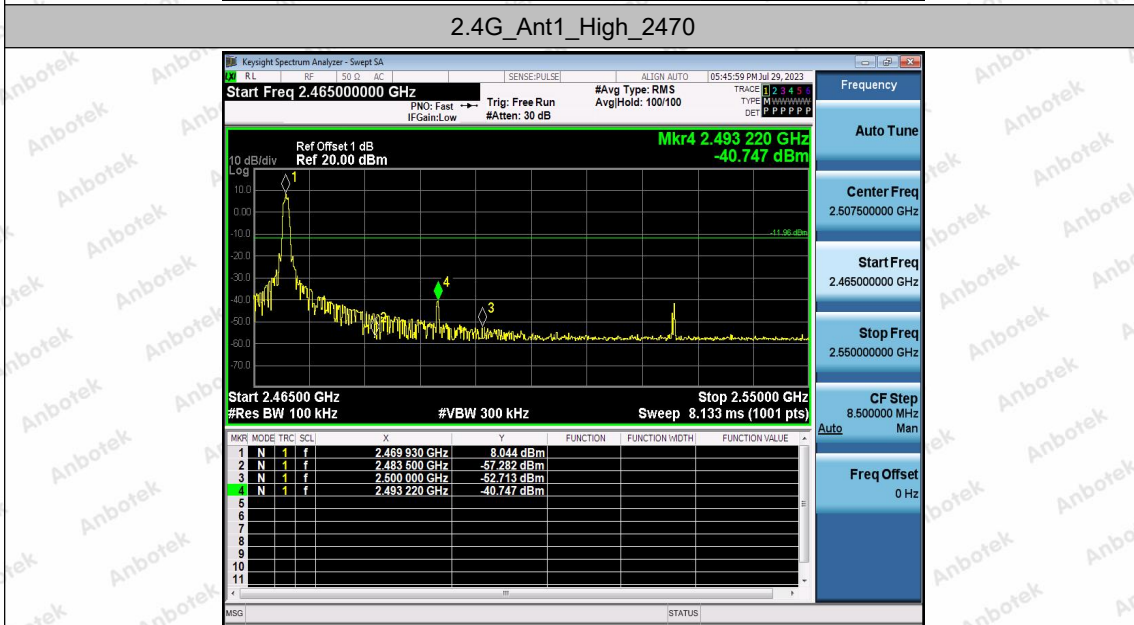
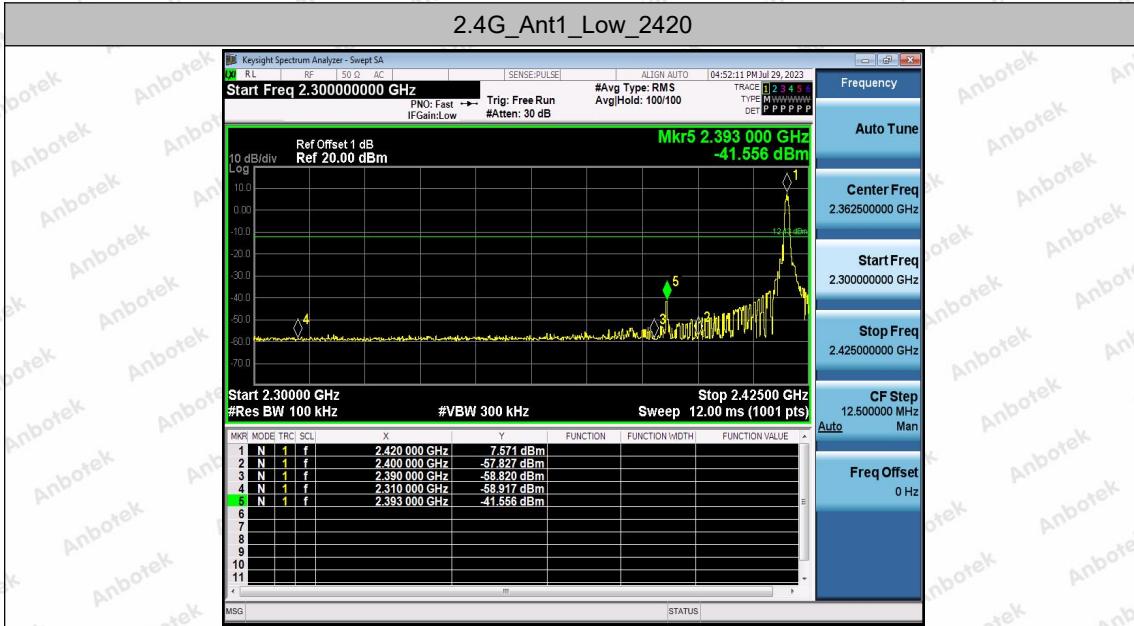
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## Test Graphs



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## Appendix F: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2420	Reference	7.53	7.53	---	PASS
			30~1000	7.53	-69.22	≤-12.47	PASS
			1000~26500	7.53	-52.96	≤-12.47	PASS
		2450	Reference	7.66	7.66	---	PASS
			30~1000	7.66	-68.75	≤-12.34	PASS
			1000~26500	7.66	-52.7	≤-12.34	PASS
		2470	Reference	7.91	7.91	---	PASS
			30~1000	7.91	-68.99	≤-12.09	PASS
			1000~26500	7.91	-42.97	≤-12.09	PASS



## Test Graphs

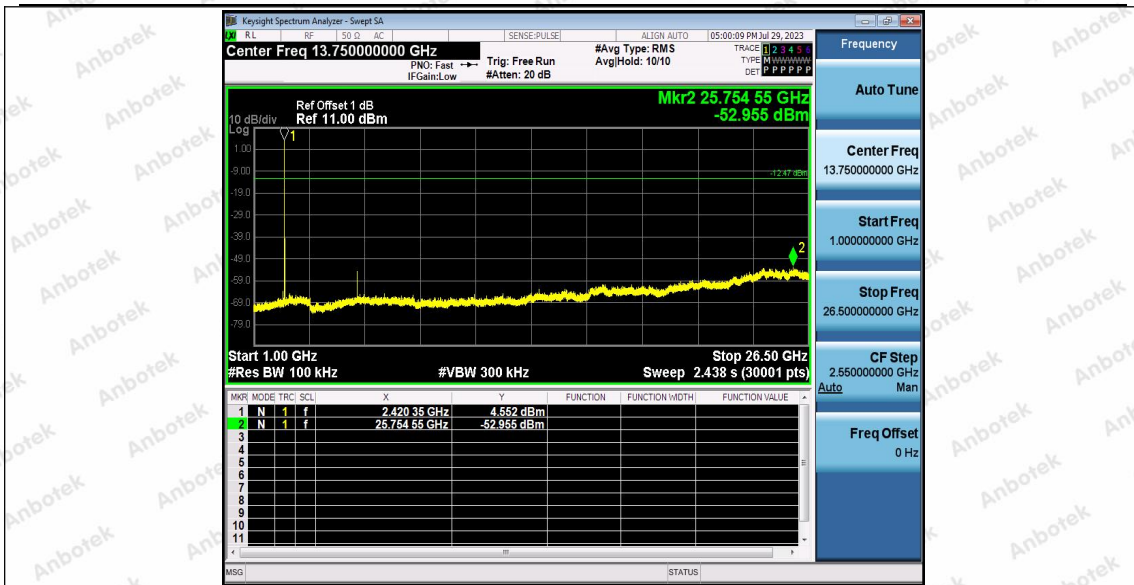


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2.4G\_Ant1\_2450\_0~Reference



2.4G\_Ant1\_2450\_30~1000

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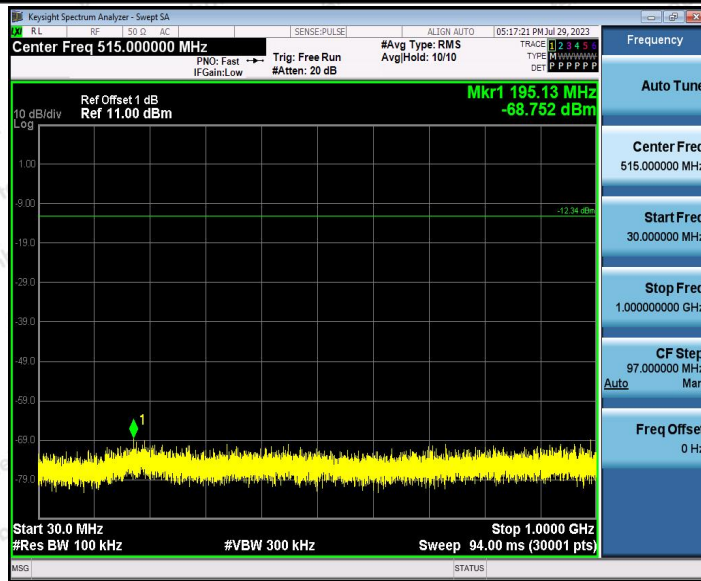
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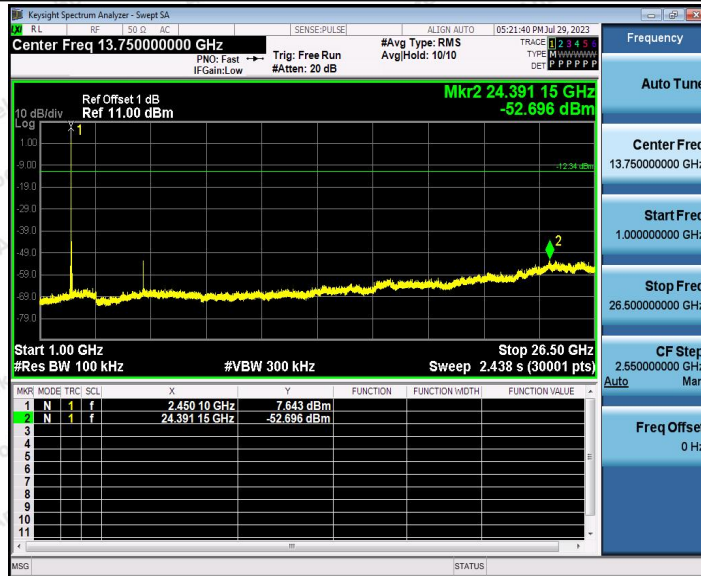
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2.4G\_Ant1\_2450\_1000~26500



2.4G\_Ant1\_2470\_0~Reference

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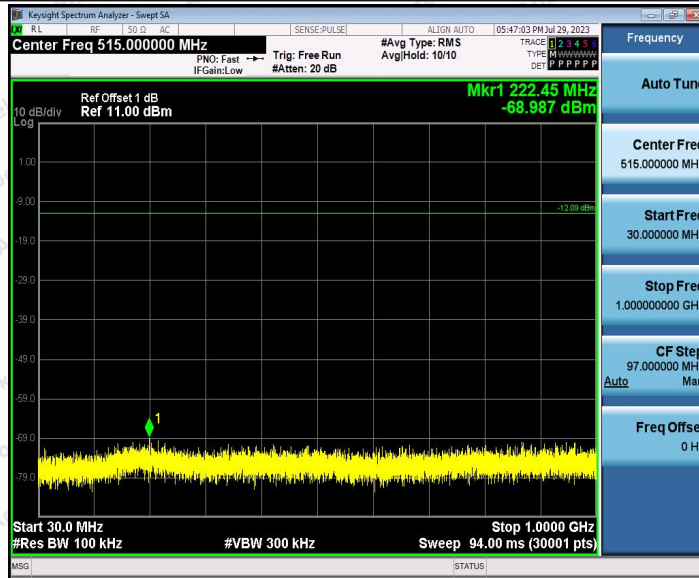
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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2.4G\_Ant1\_2470\_30~1000



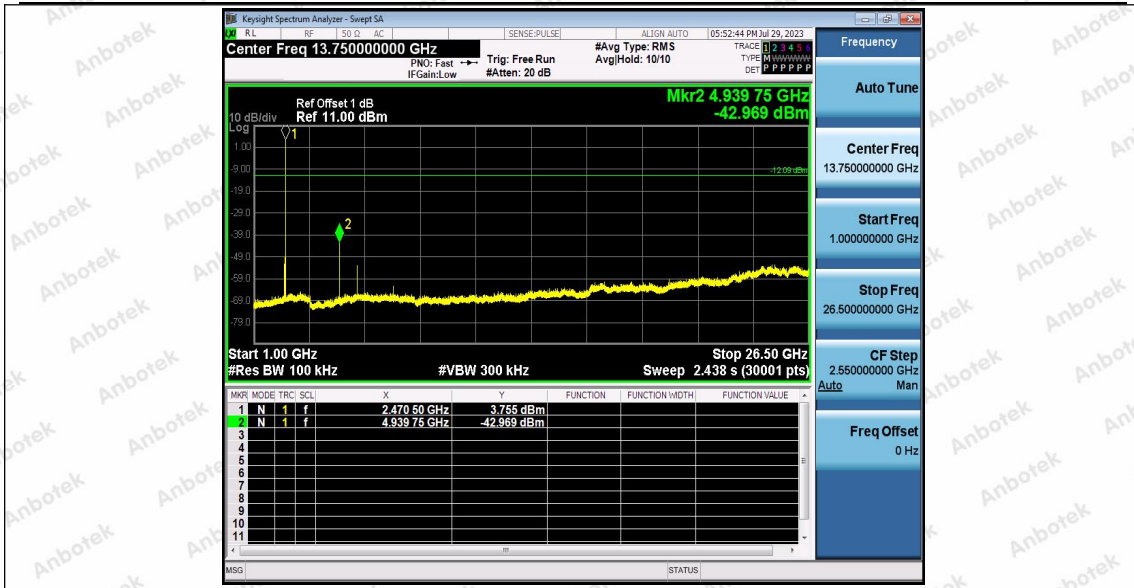
2.4G\_Ant1\_2470\_1000~26500

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## Appendix G: Duty Cycle

### Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2420	0.90	218.10	0.41	23.87
		2450	1.20	218.40	0.55	22.60
		2470	1.20	218.40	0.55	22.60

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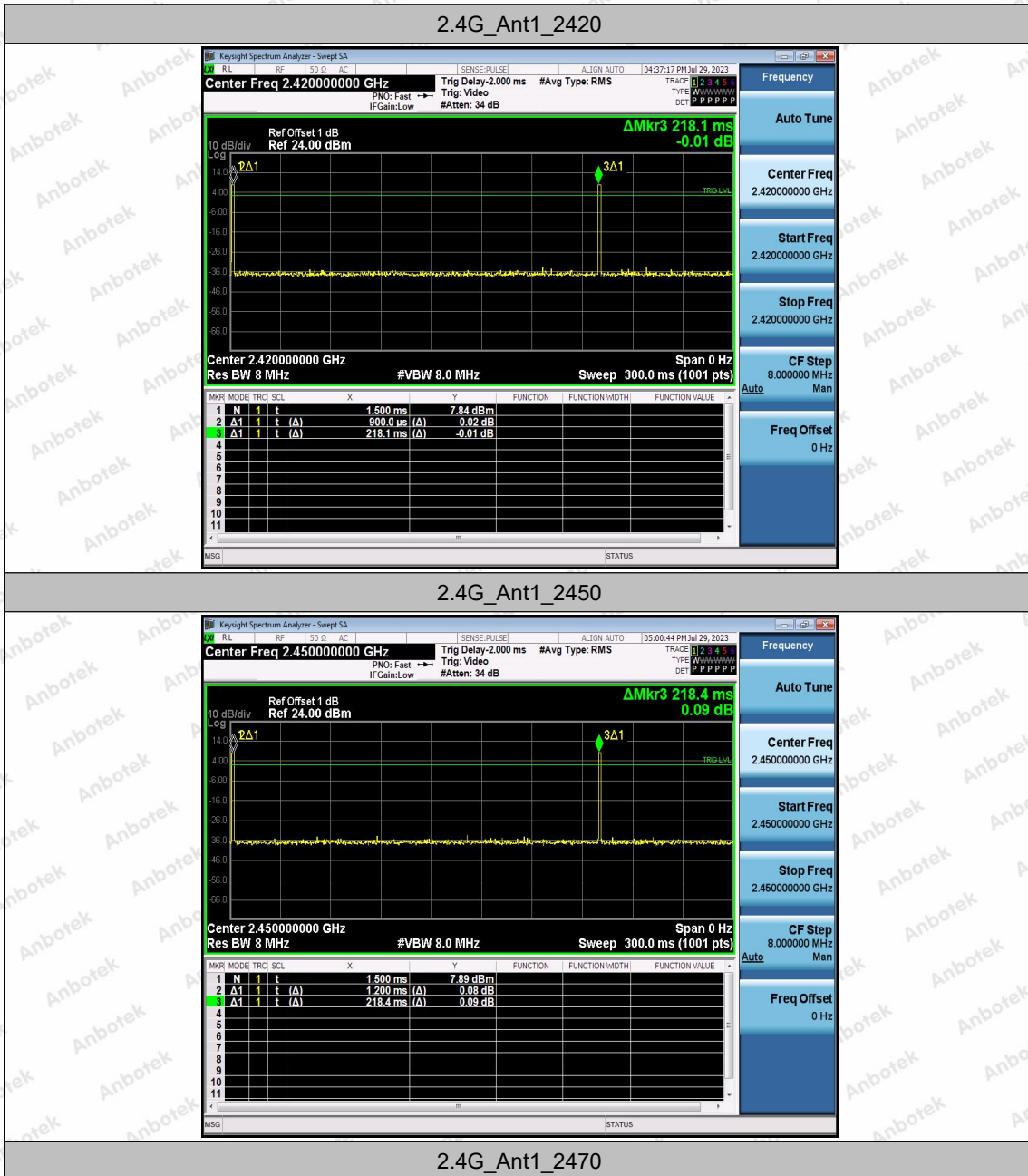
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## Test Graphs

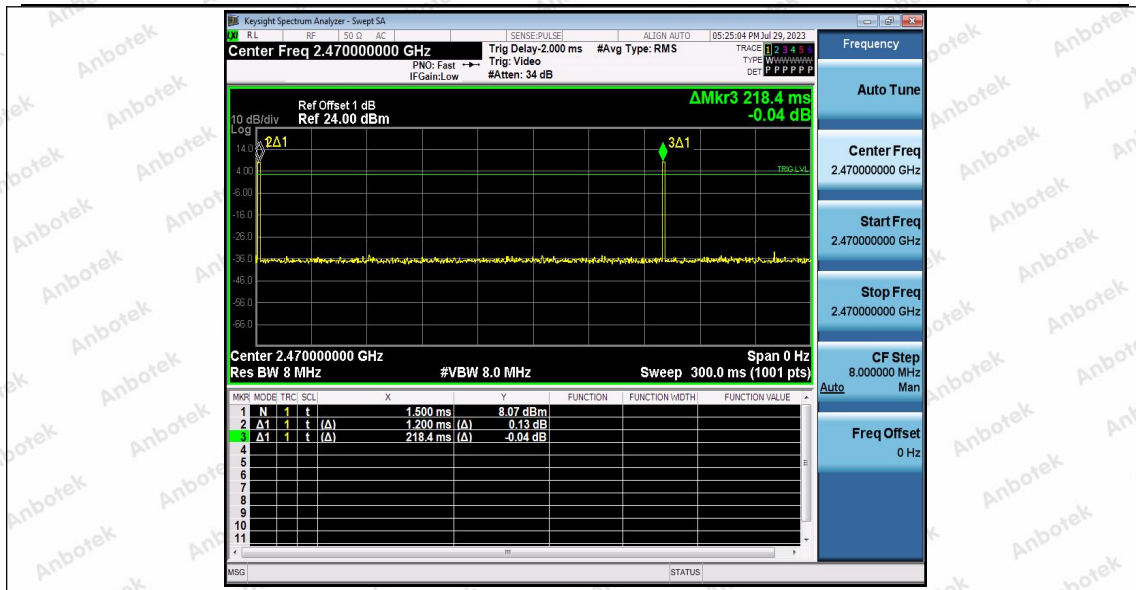


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