

## Appendix Test Data

Report No.:	18220WC30058401	Test Sample No.:	1-2-2
Start Test Date:	2023.04.07	Finish Test Date:	2023.04.13
Test Engineer:	RICK Luo	Auditor:	Edward Pan
Temperature:	25.1°C	Relative Humidity:	47%
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	2408	2.067	2406.941	2409.008	---	---
		2436	2.070	2434.962	2437.032	---	---
		2468	2.061	2466.983	2469.044	---	---

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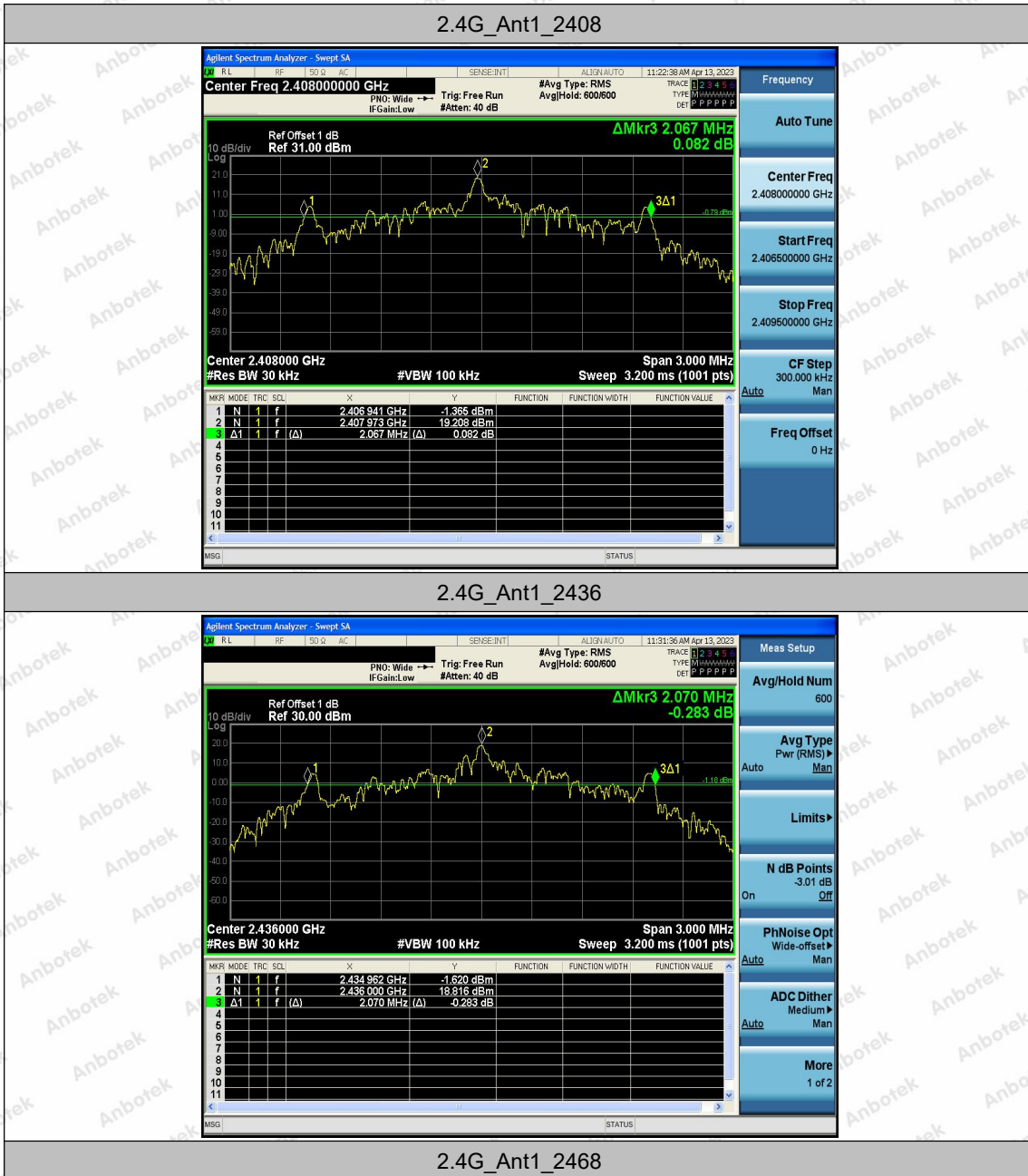
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## Test Graphs





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## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2408	2.0287	2406.9630	2408.9917	---	---
		2436	2.0295	2434.9799	2437.0094	---	---
		2468	2.0253	2467.0015	2469.0268	---	---

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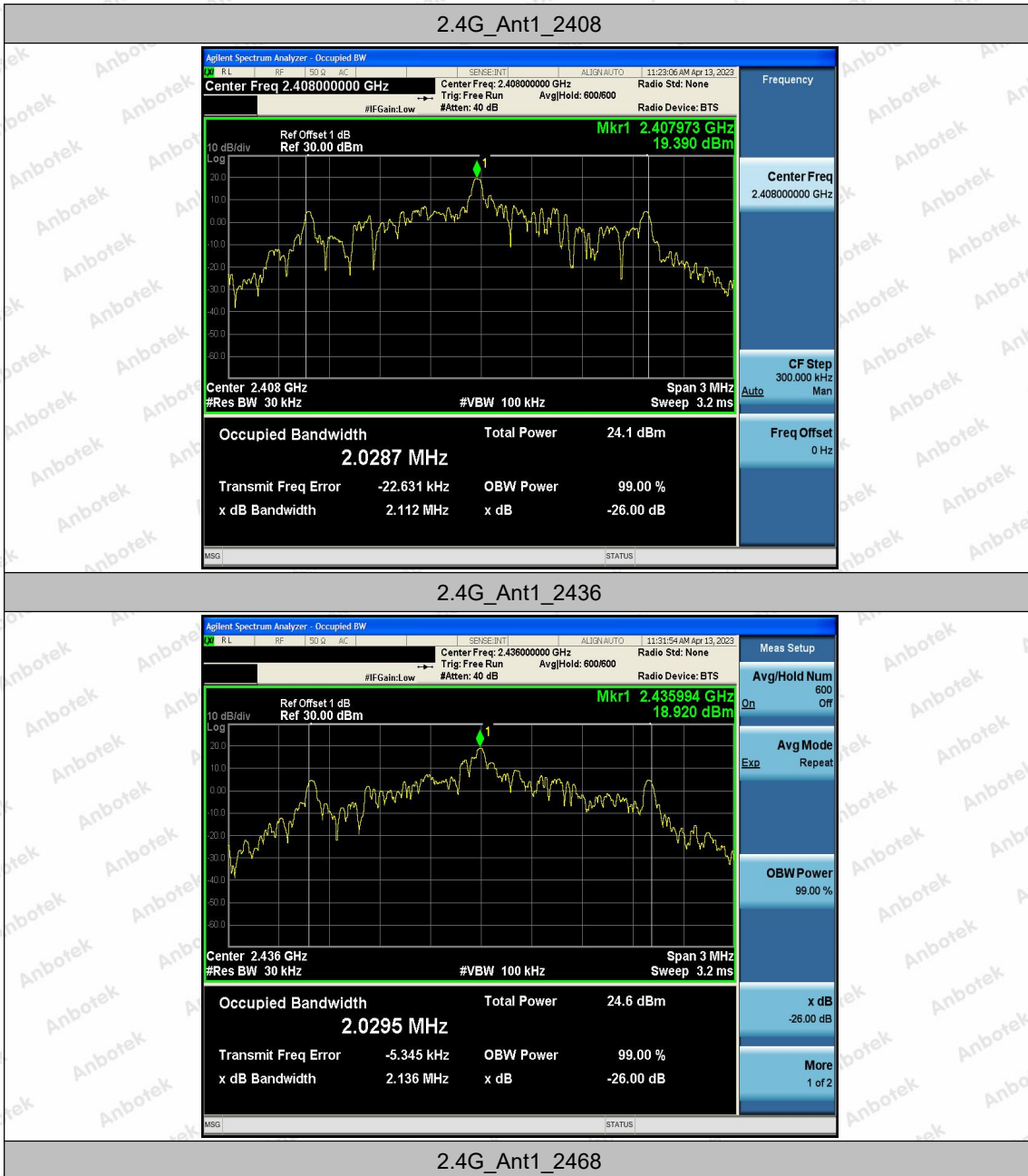
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## Appendix C: Maximum conducted output power

### Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2408	19.43	≤20.97	PASS
		2436	19.15	≤20.97	PASS
		2468	20.31	≤20.97	PASS



## Test Graphs

2.4G\_Ant1\_2408



2.4G\_Ant1\_2436



2.4G\_Ant1\_2468

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## Appendix D: Carrier frequency separation

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	4.00	≥1.380	PASS

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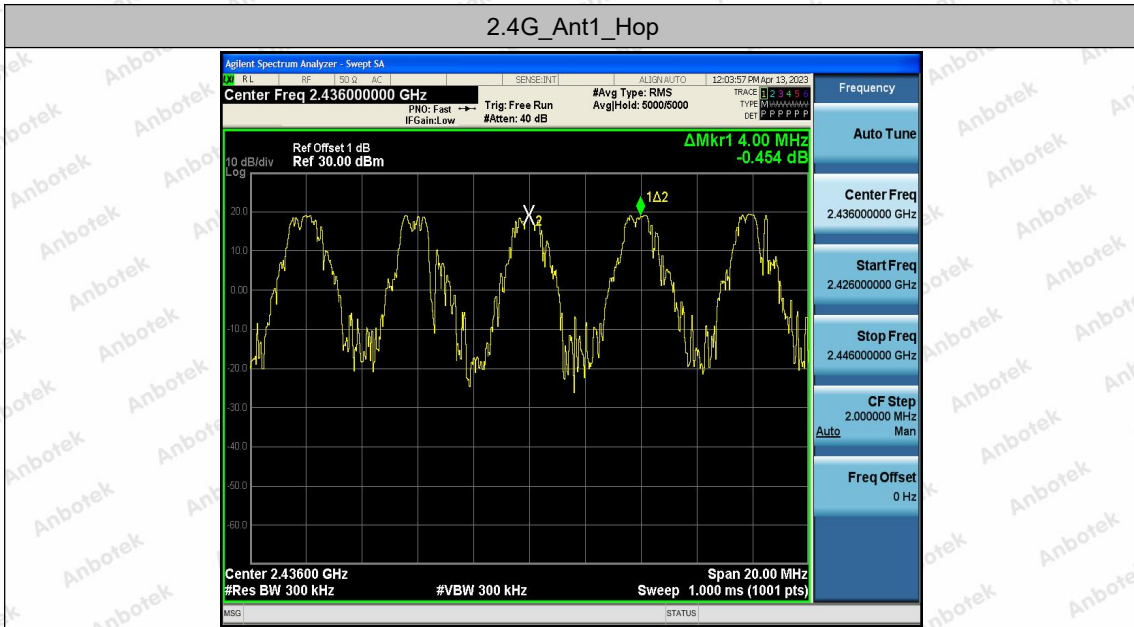
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## Appendix E: Time of occupancy

### Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.106	77	0.008	≤0.4	PASS

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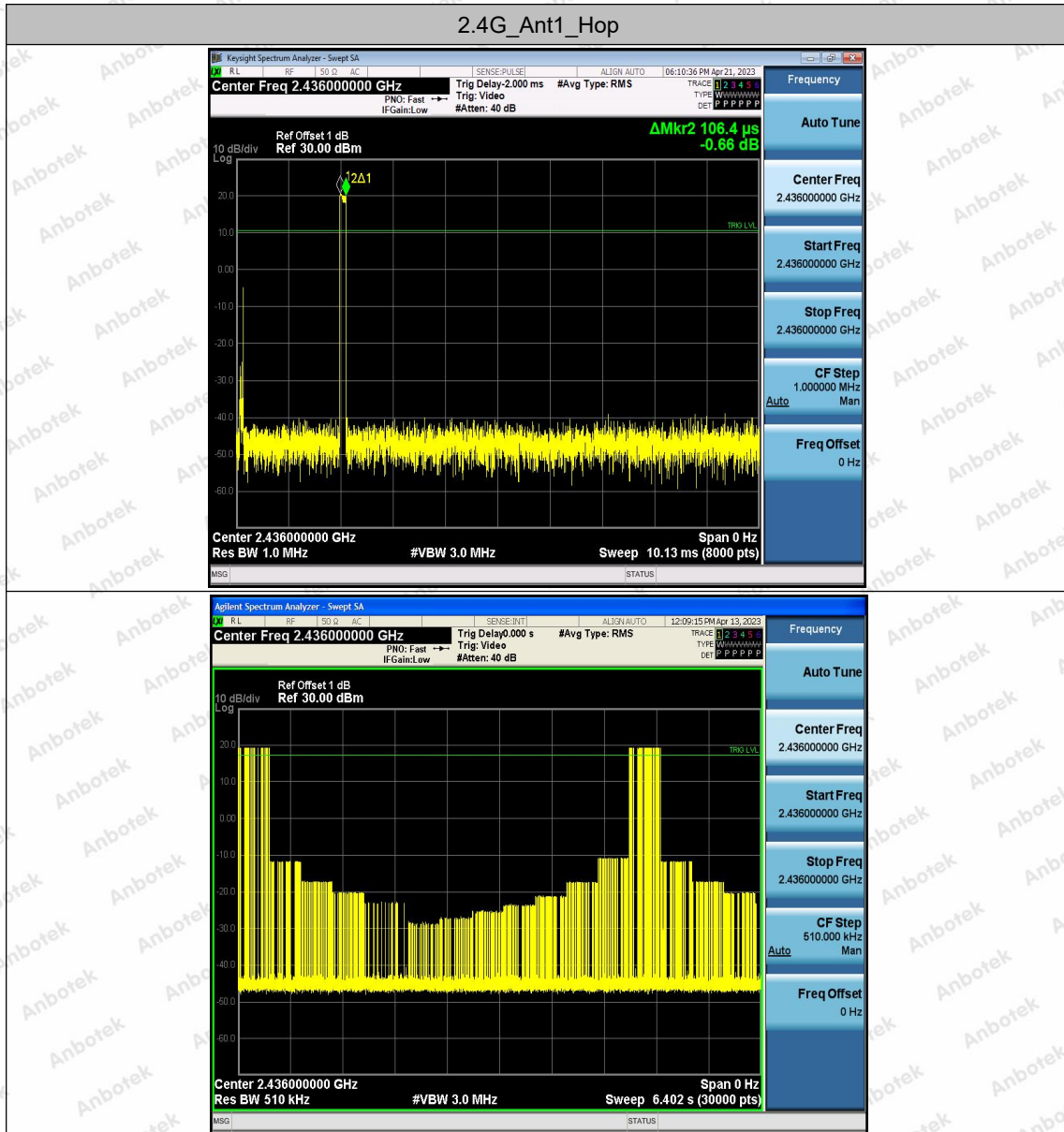
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## Test Graphs



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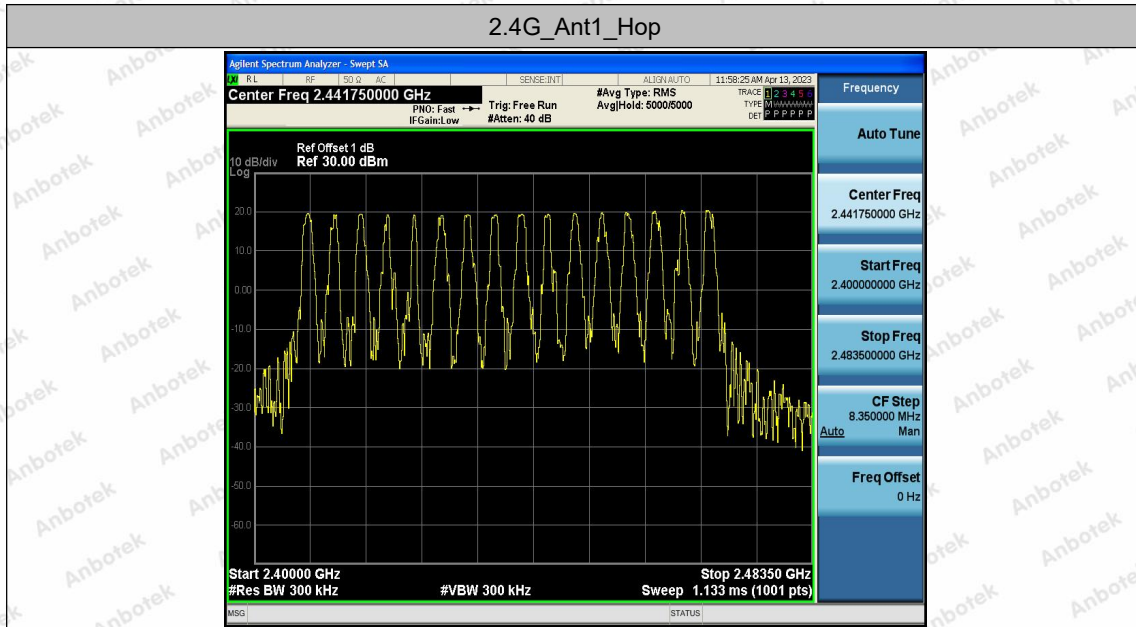
## Appendix F: Number of hopping channels

### 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	2408	19.09	-31.29	≤-0.91	PASS
		High	2468	19.98	-35.66	≤-0.02	PASS
		Low	Hop_2408	19.41	-37.86	≤-0.59	PASS
		High	Hop_2468	20.83	-43.04	≤0.83	PASS

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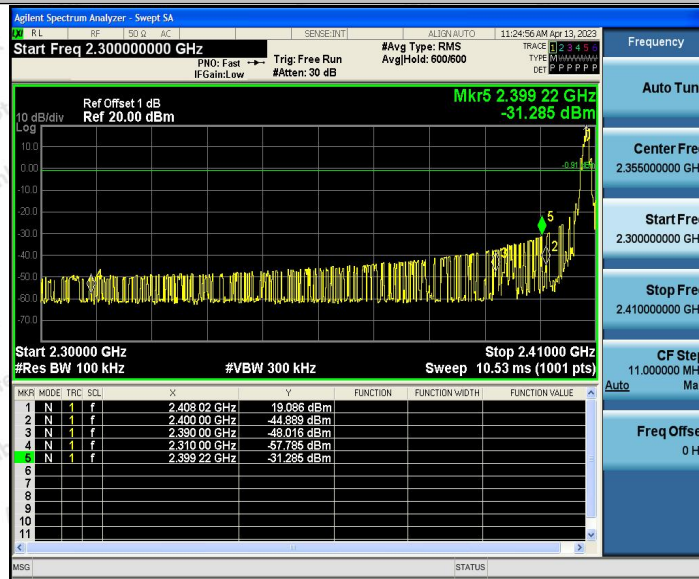
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## Test Graphs

2.4G\_Ant1\_Low\_2408



2.4G\_Ant1\_High\_2468



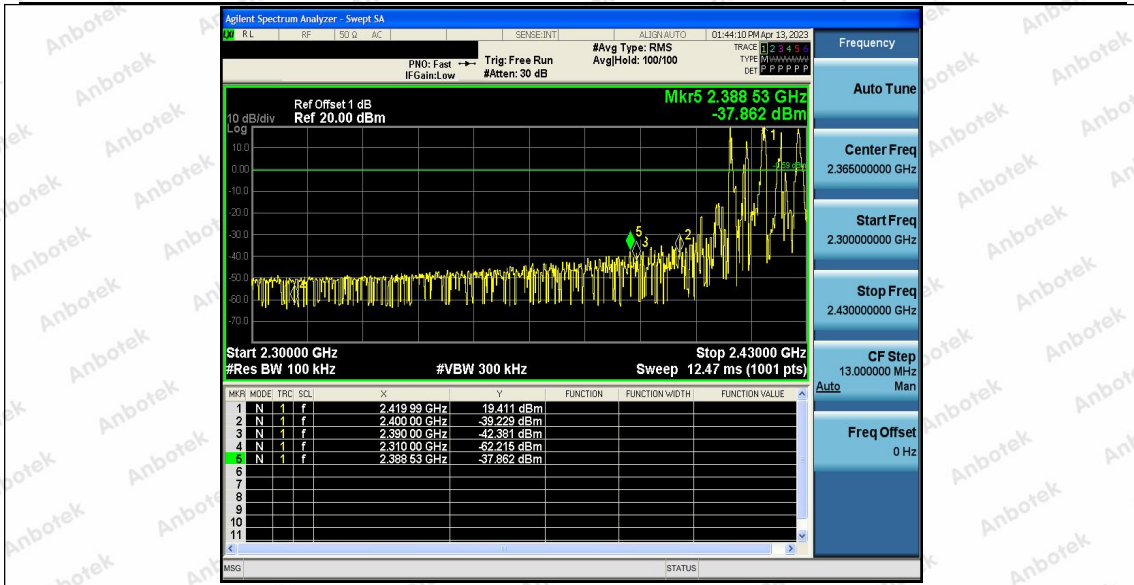
2.4G\_Ant1\_Low\_Hop\_2408

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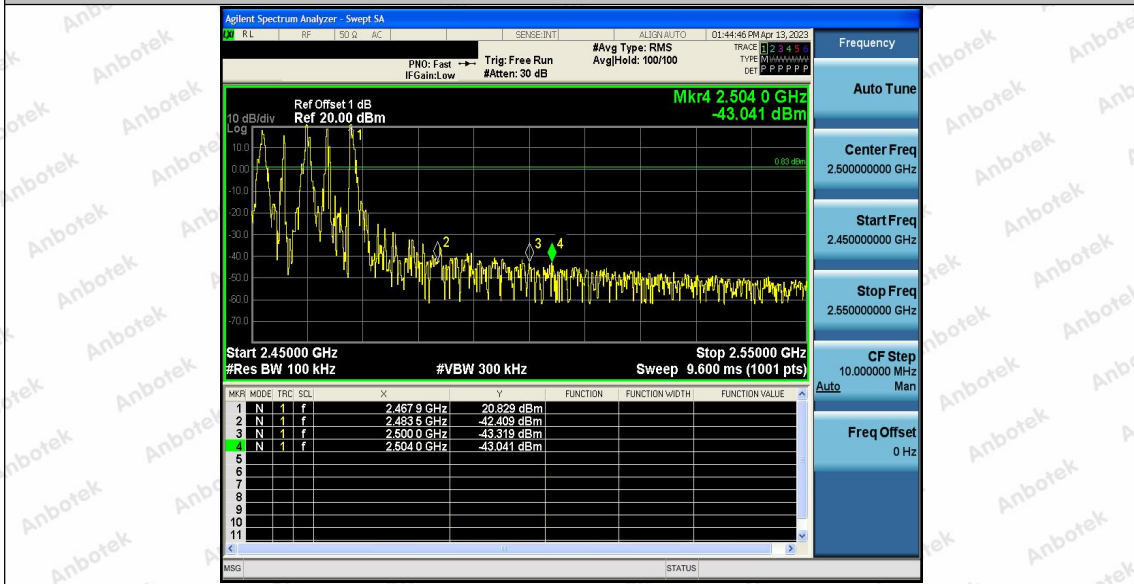
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2.4G\_Ant1\_High\_Hop\_2468



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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	Reference	19.28	19.28	---	PASS
			30~1000	19.28	-67.95	≤-0.72	PASS
			1000~26500	19.28	-46.13	≤-0.72	PASS
		2436	Reference	19.02	19.02	---	PASS
			30~1000	19.02	-69.26	≤-0.98	PASS
			1000~26500	19.02	-36.32	≤-0.98	PASS
		2468	Reference	20.25	20.25	---	PASS
			30~1000	20.25	-69.16	≤0.25	PASS
			1000~26500	20.25	-31.79	≤0.25	PASS

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## Test Graphs

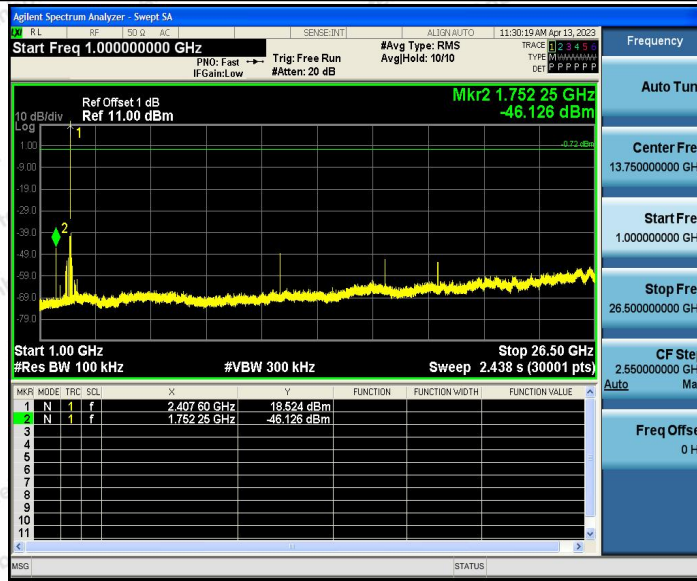


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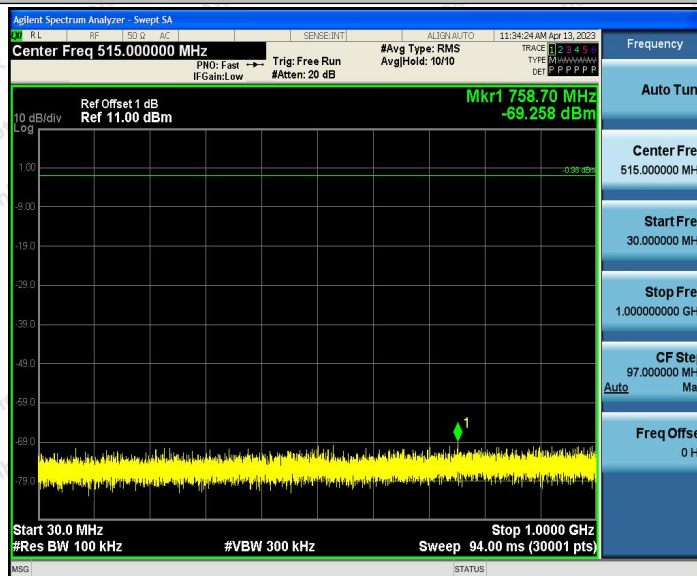




2.4G\_Ant1\_2436\_0~Reference



2.4G\_Ant1\_2436\_30~1000



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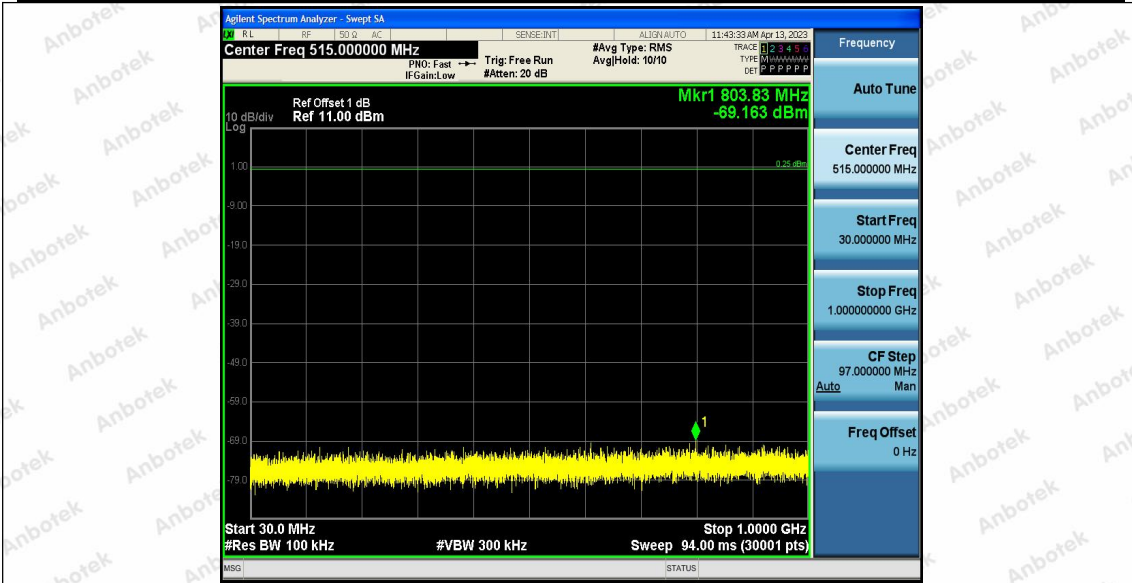


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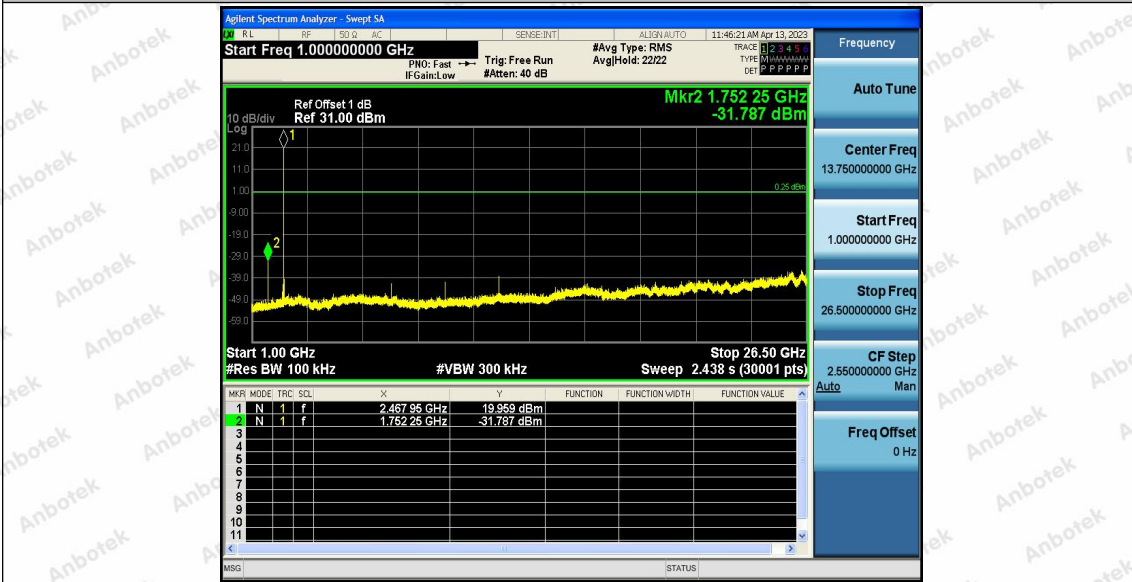
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2.4G\_Ant1\_2468\_1000~26500



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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	2408	0.54	20.01	2.70	15.69
		2436	0.51	20.04	2.54	15.95
		2468	0.51	20.01	2.55	15.93

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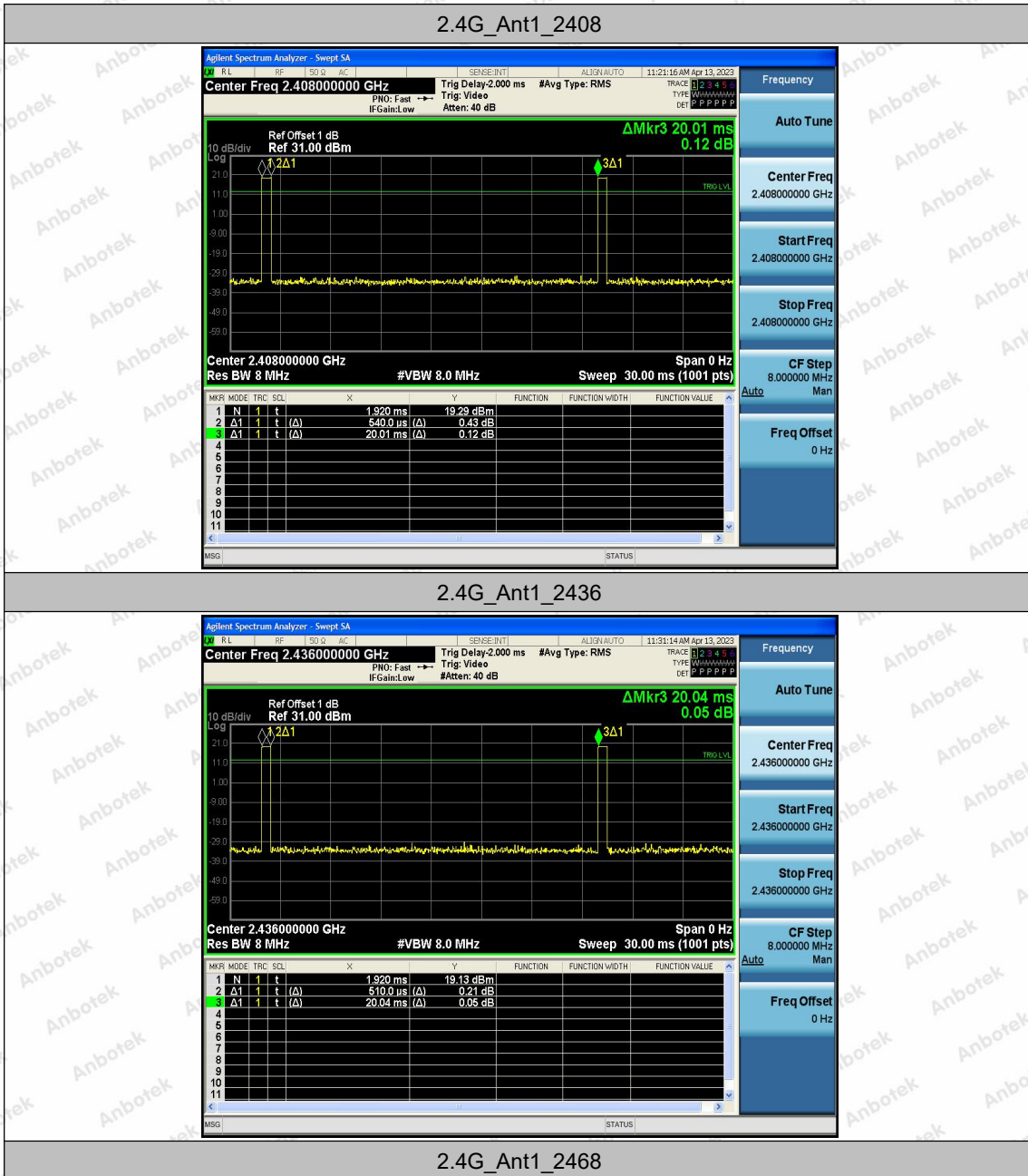


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## Test Graphs

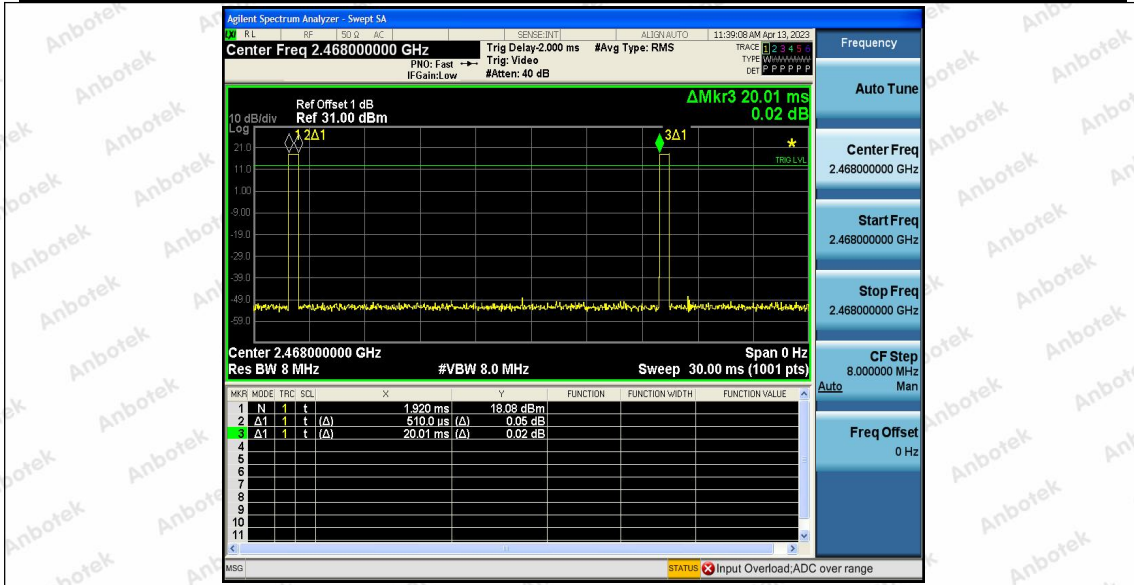


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