

## Appendix Test Data

Report No.:	18220WC301644	Test Sample No.:	1-2-2
Start Test Date:	2023.08.04	Finish Test Date:	2023.08.08
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.3°C	Relative Humidity:	48%
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	2.094	2406.974	2409.068	---	---
		2440	2.172	2438.974	2441.146	---	---
		2474	2.088	2472.980	2475.068	---	---

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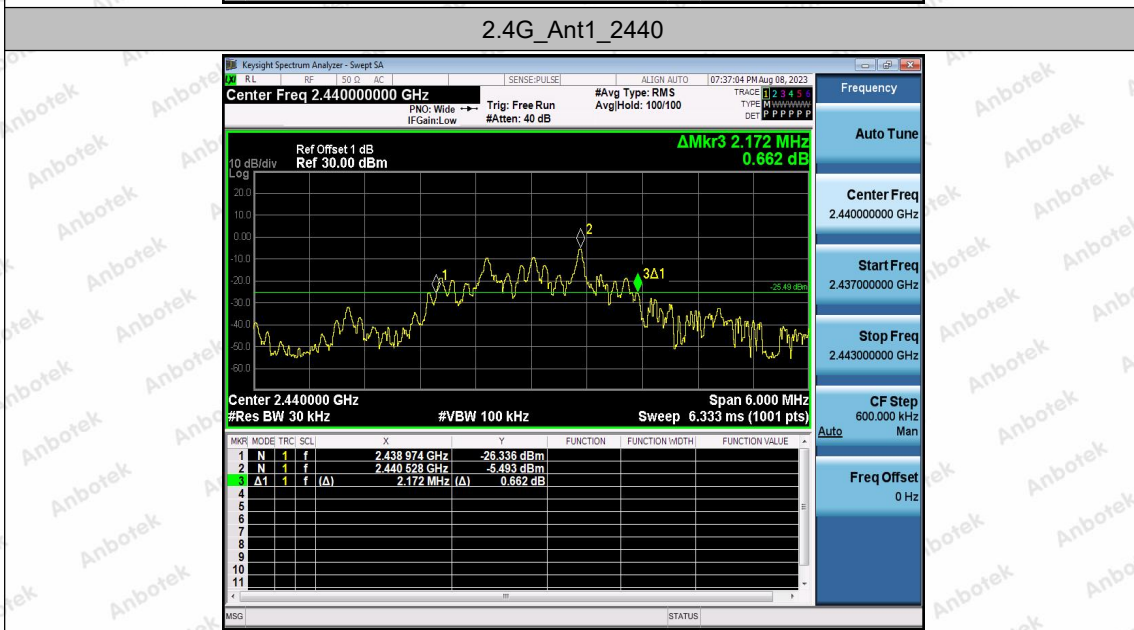
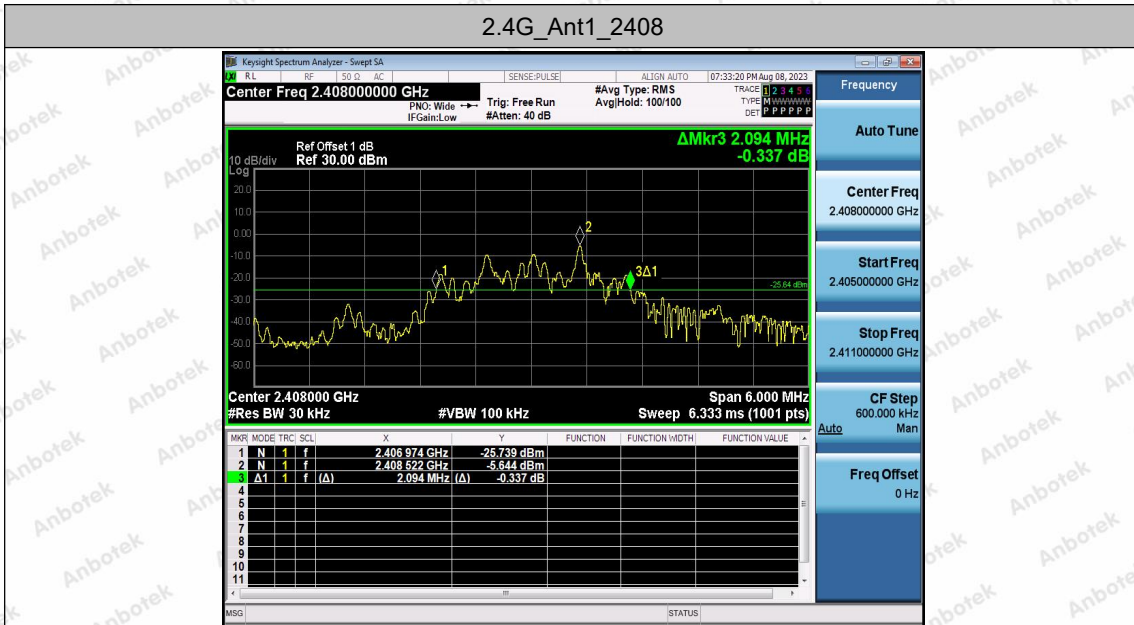
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## Test Graphs



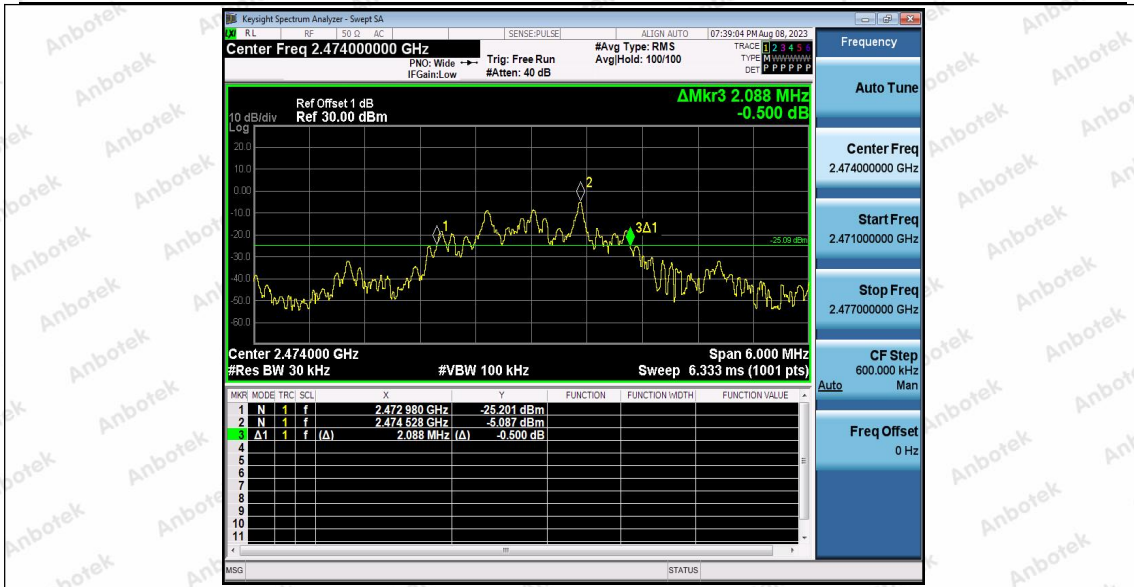
**2.4G\_Ant1\_2474**

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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	2.4132	2406.9462	2409.3594	---	---
		2440	2.3776	2438.9409	2441.3185	---	---
		2474	2.2657	2472.9170	2475.1827	---	---

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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	2408	-5.18	≤30	PASS
		2440	-5.17	≤30	PASS
		2474	-4.74	≤30	PASS

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## Test Graphs

2.4G\_Ant1\_2408



2.4G\_Ant1\_2440



2.4G\_Ant1\_2474

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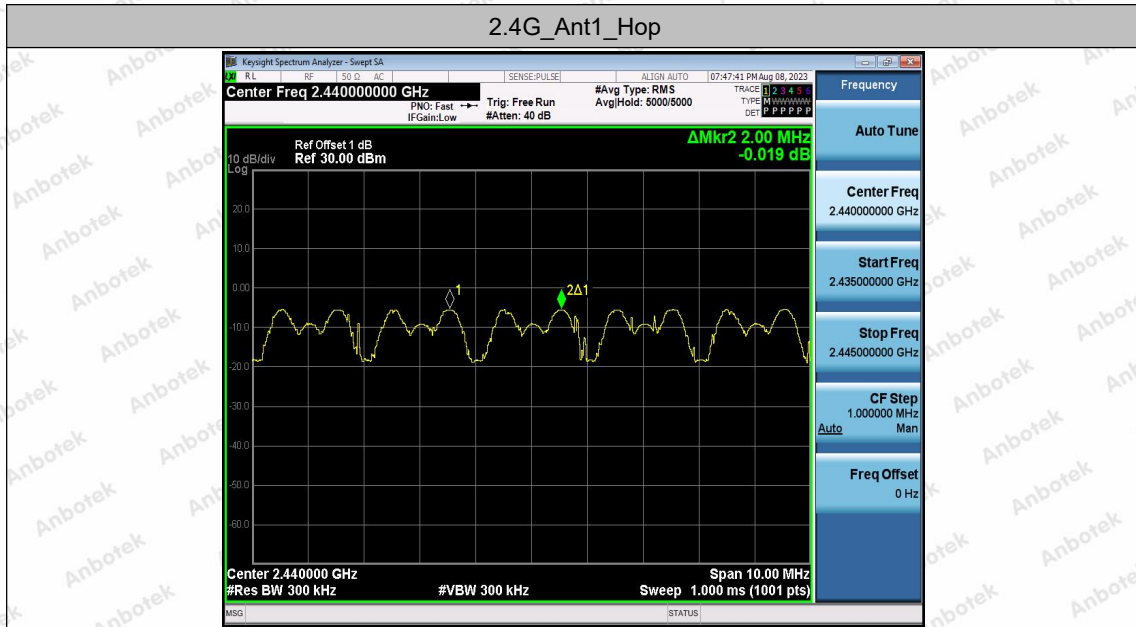
## Appendix D: Carrier frequency separation

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.000	≥1.448	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	7.899	26	0.2054	≤0.4	PASS

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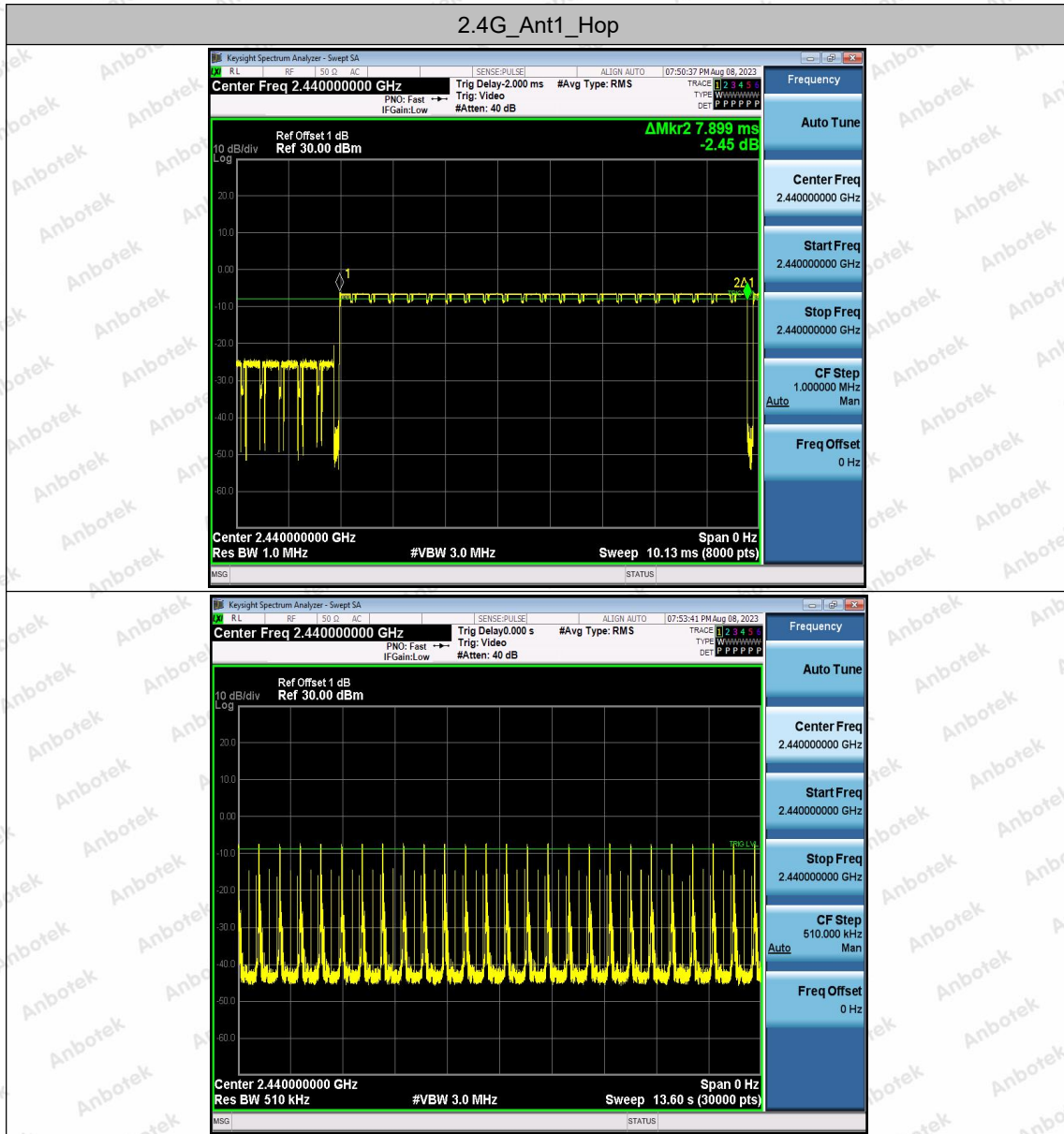
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## Test Graphs



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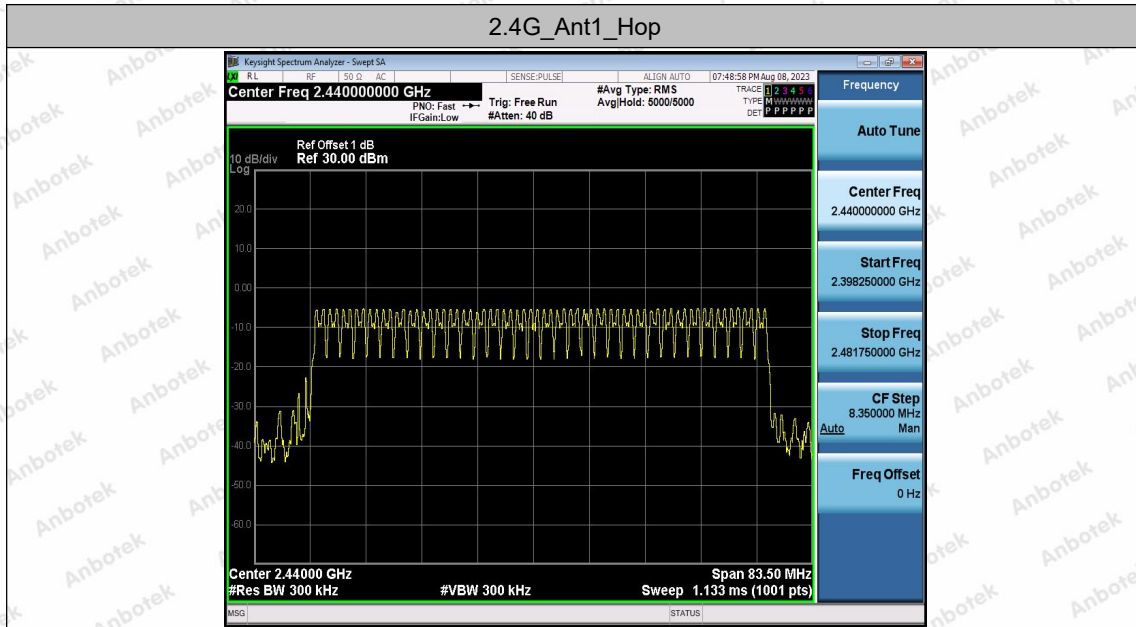
## Appendix F: Number of hopping channels

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	34	≥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	-5.35	-39.77	≤-25.35	PASS
		High	2474	-4.91	-48.23	≤-24.91	PASS
		Low	Hop_2408	-5.13	-42.66	≤-25.13	PASS
		High	Hop_2474	-5.04	-50.64	≤-25.04	PASS

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## Test Graphs

2.4G\_Ant1\_Low\_2408



2.4G\_Ant1\_High\_2474



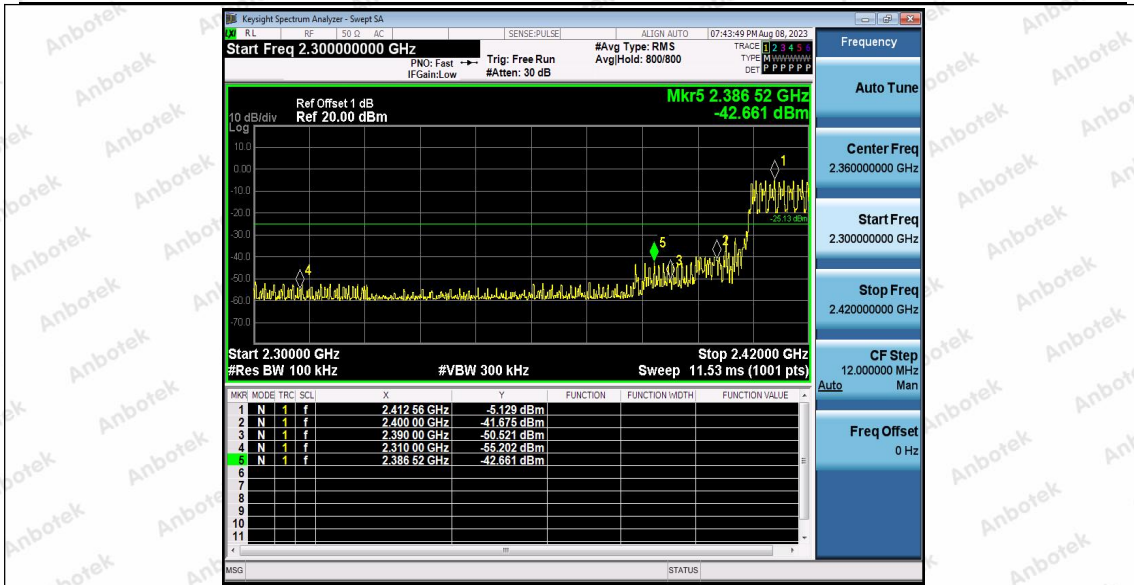
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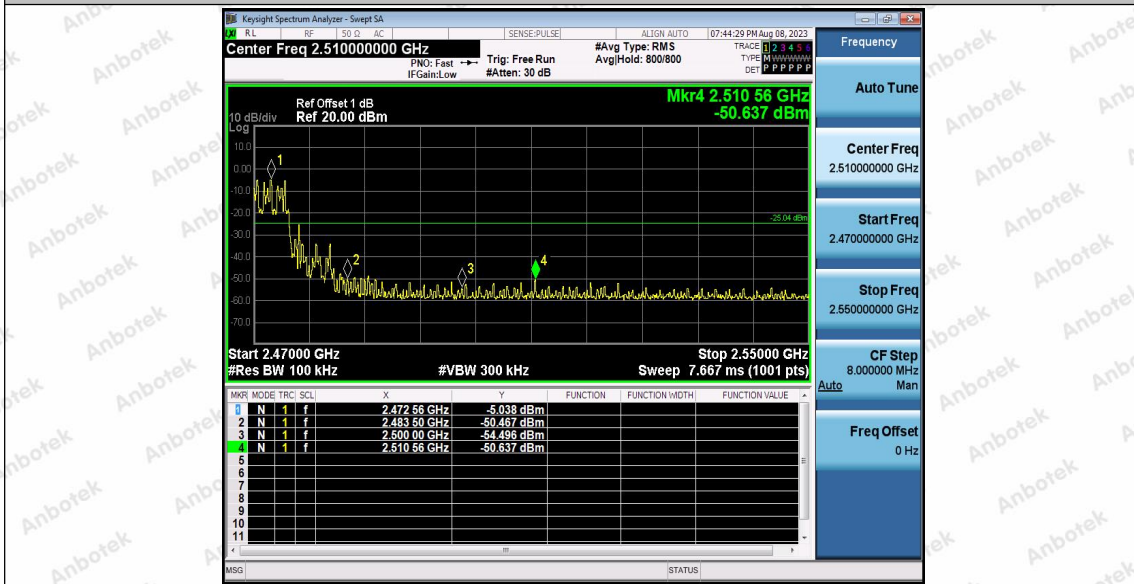
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2.4G\_Ant1\_High\_Hop\_2474



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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	-5.56	-5.56	---	PASS
			30~1000	-5.56	-49.52	≤-25.56	PASS
			1000~26500	-5.56	-42.79	≤-25.56	PASS
		2440	Reference	-5.47	-5.47	---	PASS
			30~1000	-5.47	-50.05	≤-25.47	PASS
			1000~26500	-5.47	-40.18	≤-25.47	PASS
		2474	Reference	-5.06	-5.06	---	PASS
			30~1000	-5.06	-49.73	≤-25.06	PASS
			1000~26500	-5.06	-37.67	≤-25.06	PASS

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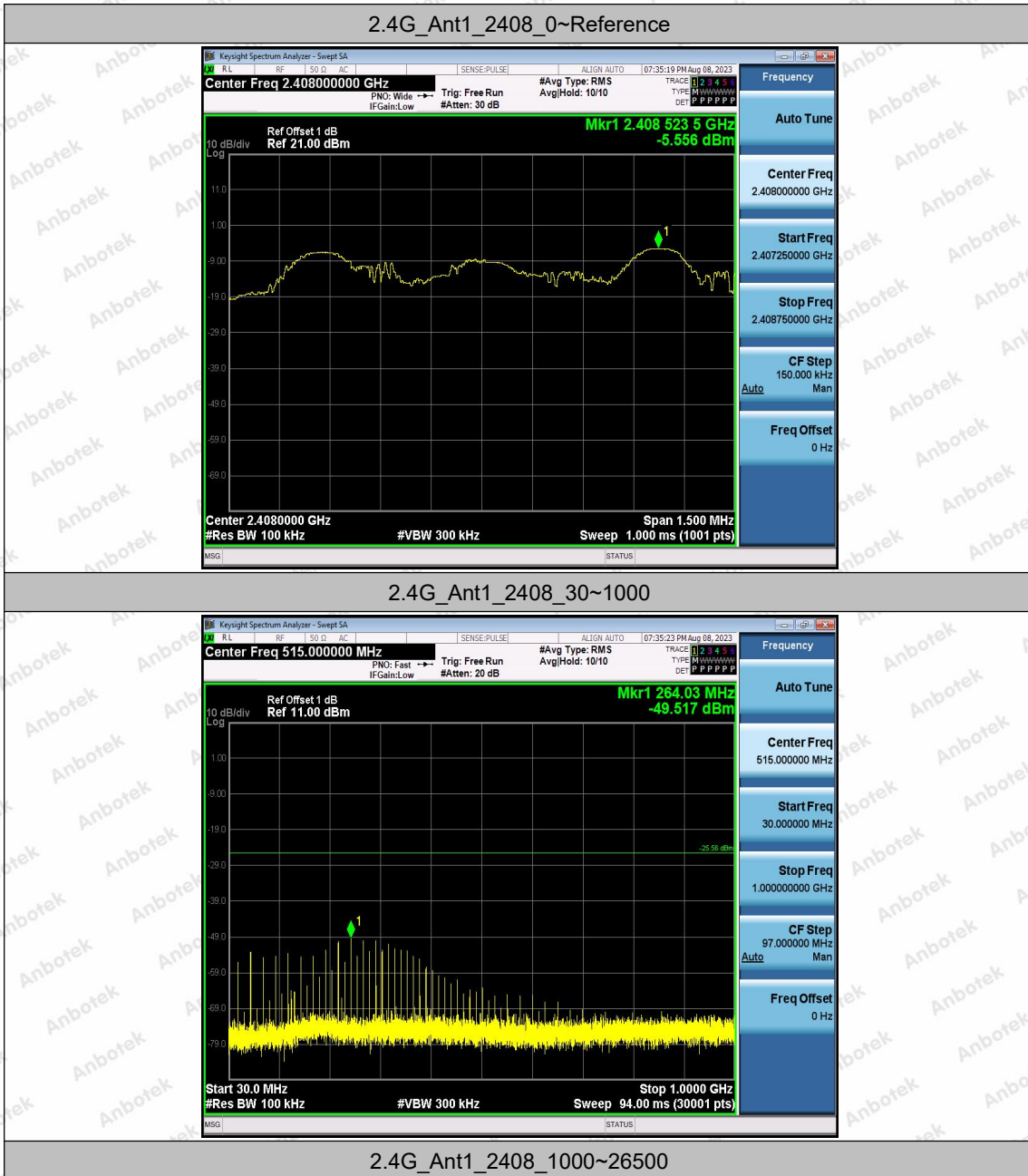
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## Test Graphs

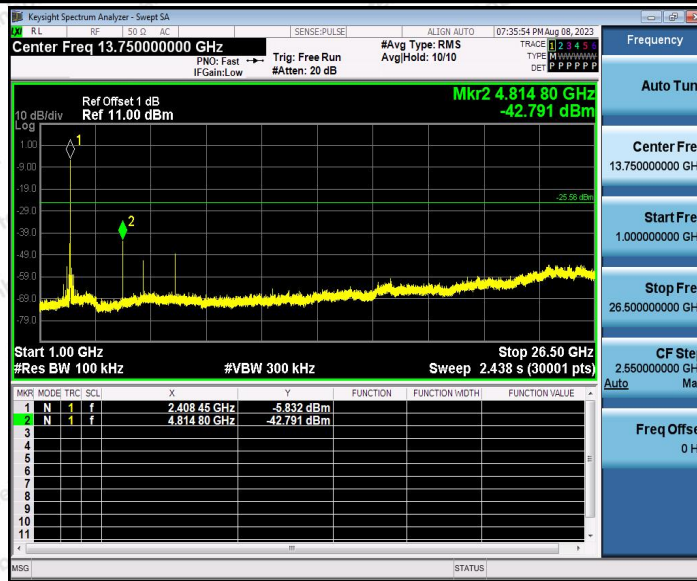


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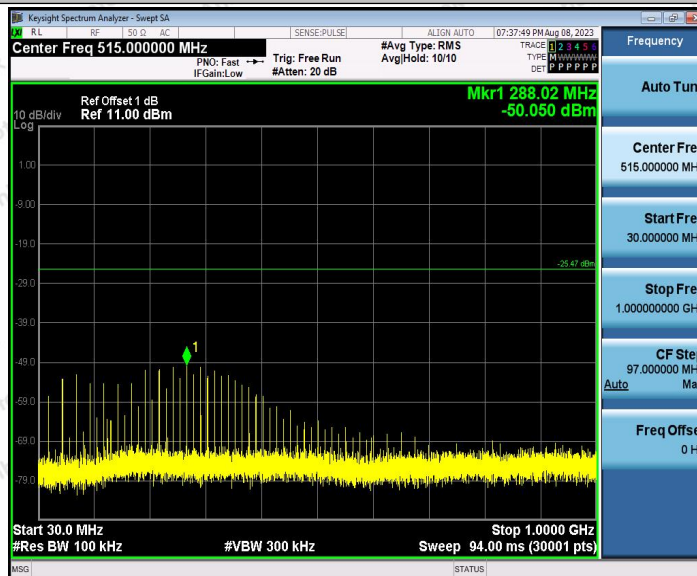




2.4G\_Ant1\_2440\_0~Reference



2.4G\_Ant1\_2440\_30~1000

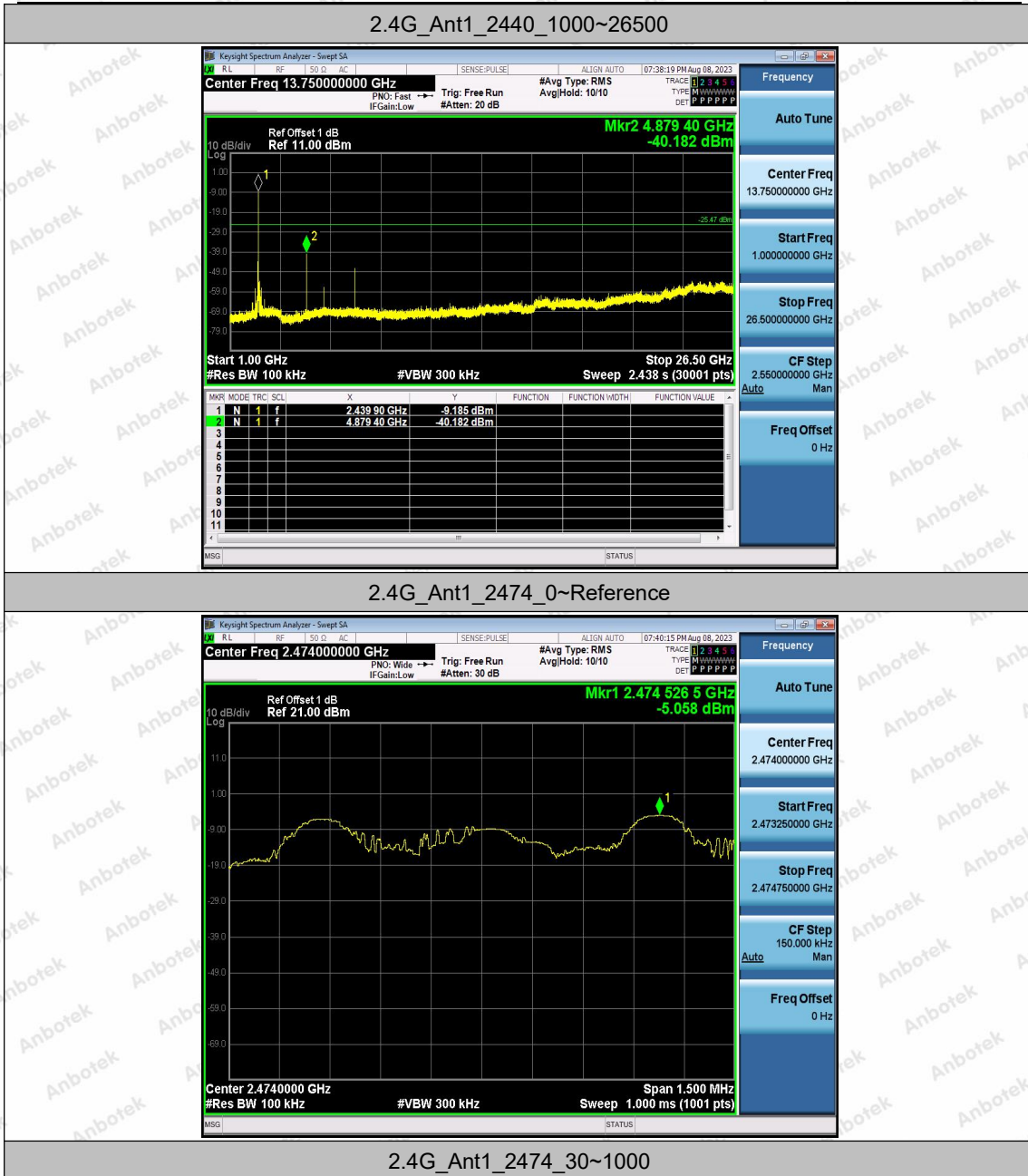


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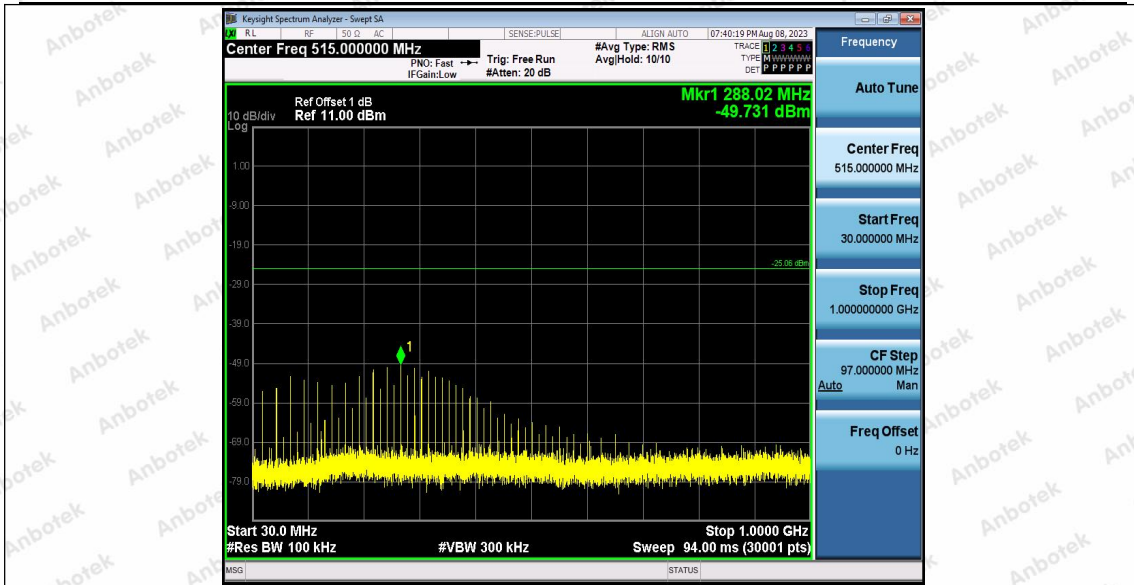


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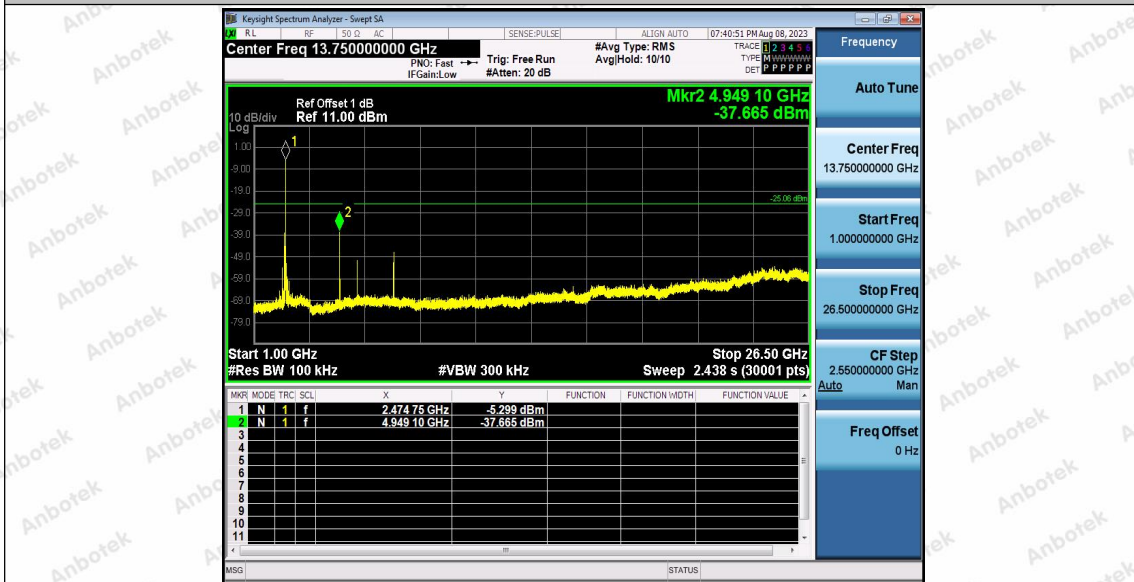
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2.4G\_Ant1\_2474\_1000~26500



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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	7.90	16.01	49.34	3.07
		2440	7.90	16.01	49.34	3.07
		2474	7.90	16.01	49.34	3.07

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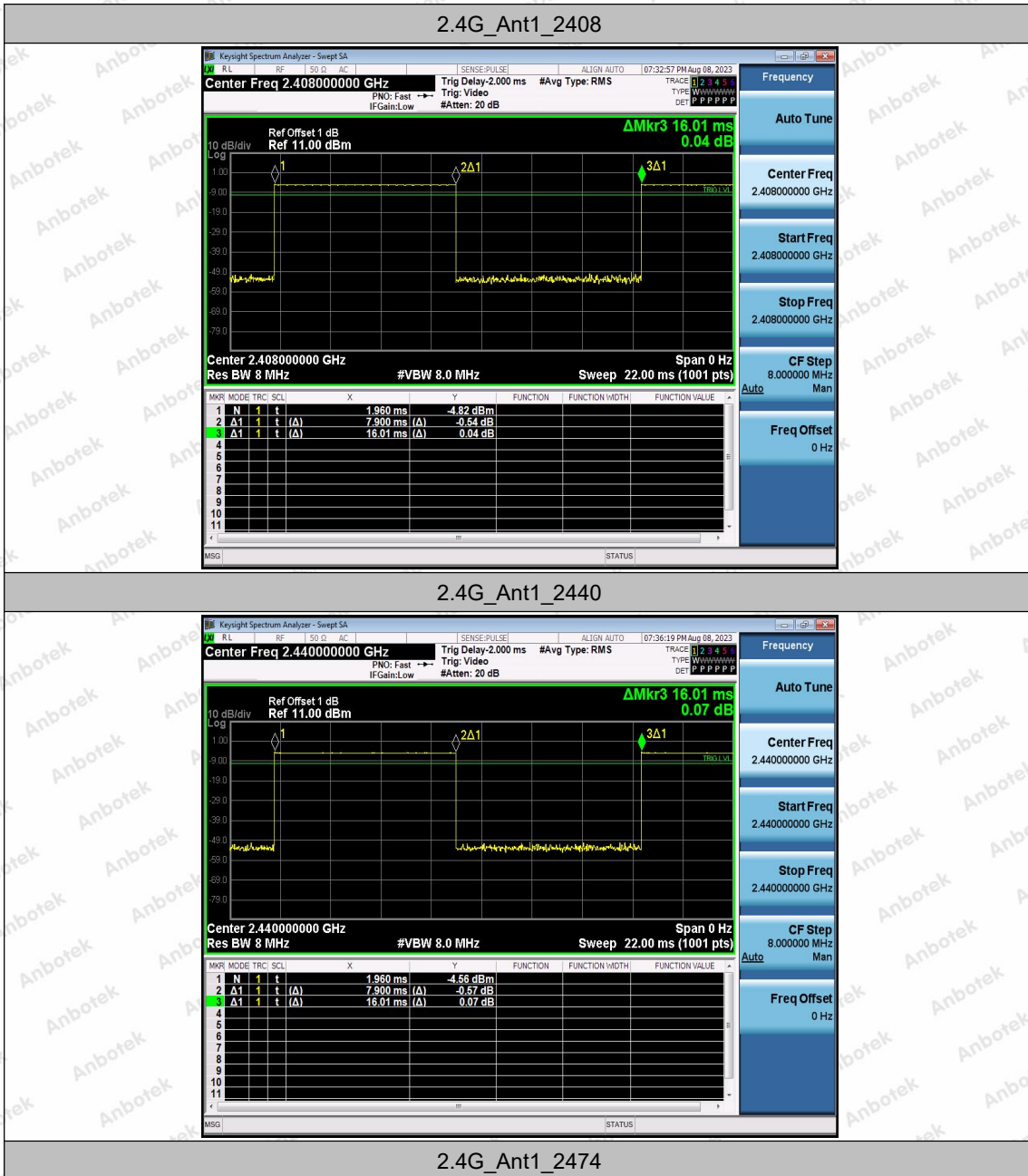


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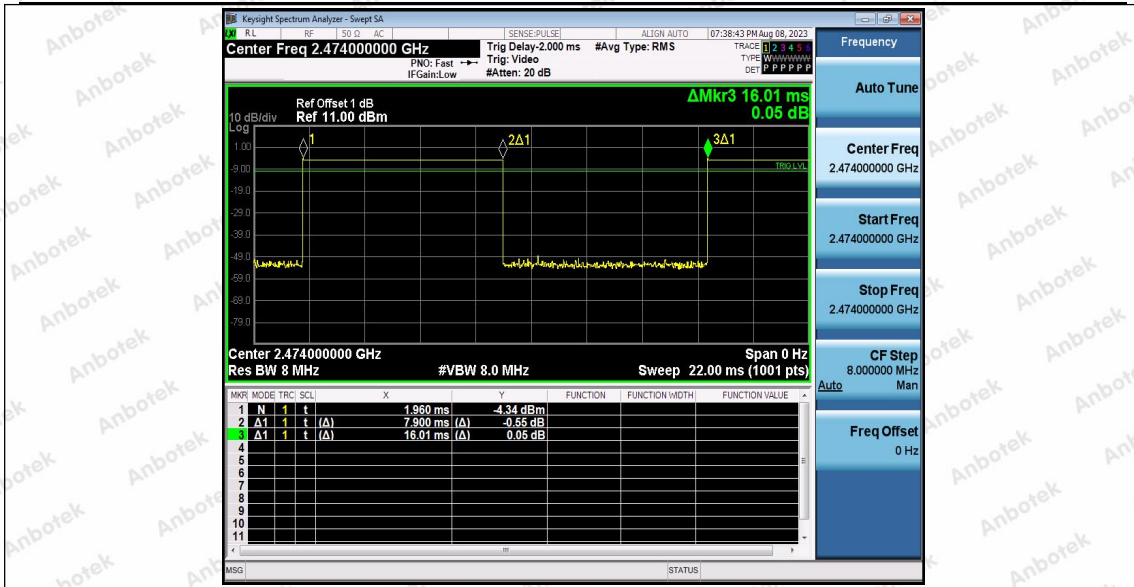


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