

## Appendix Test Data

Report No.:	18220WC30257801	Test Sample No.:	1-2-2
Start Test Date:	2023.12.11	Finish Test Date:	2023.12.13
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.4°C	Relative Humidity:	48%
Pressure:	101kPa		

## Appendix A: 20dB Emission Bandwidth

## Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402.65	1.980	2401.670	2403.650	---	---
		2441.65	2.030	2440.645	2442.675	---	---
		2480.65	2.015	2479.665	2481.680	---	---

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## Test Graphs

2.4G\_Ant1\_2402.65



2.4G\_Ant1\_2441.65



2.4G\_Ant1\_2480.65

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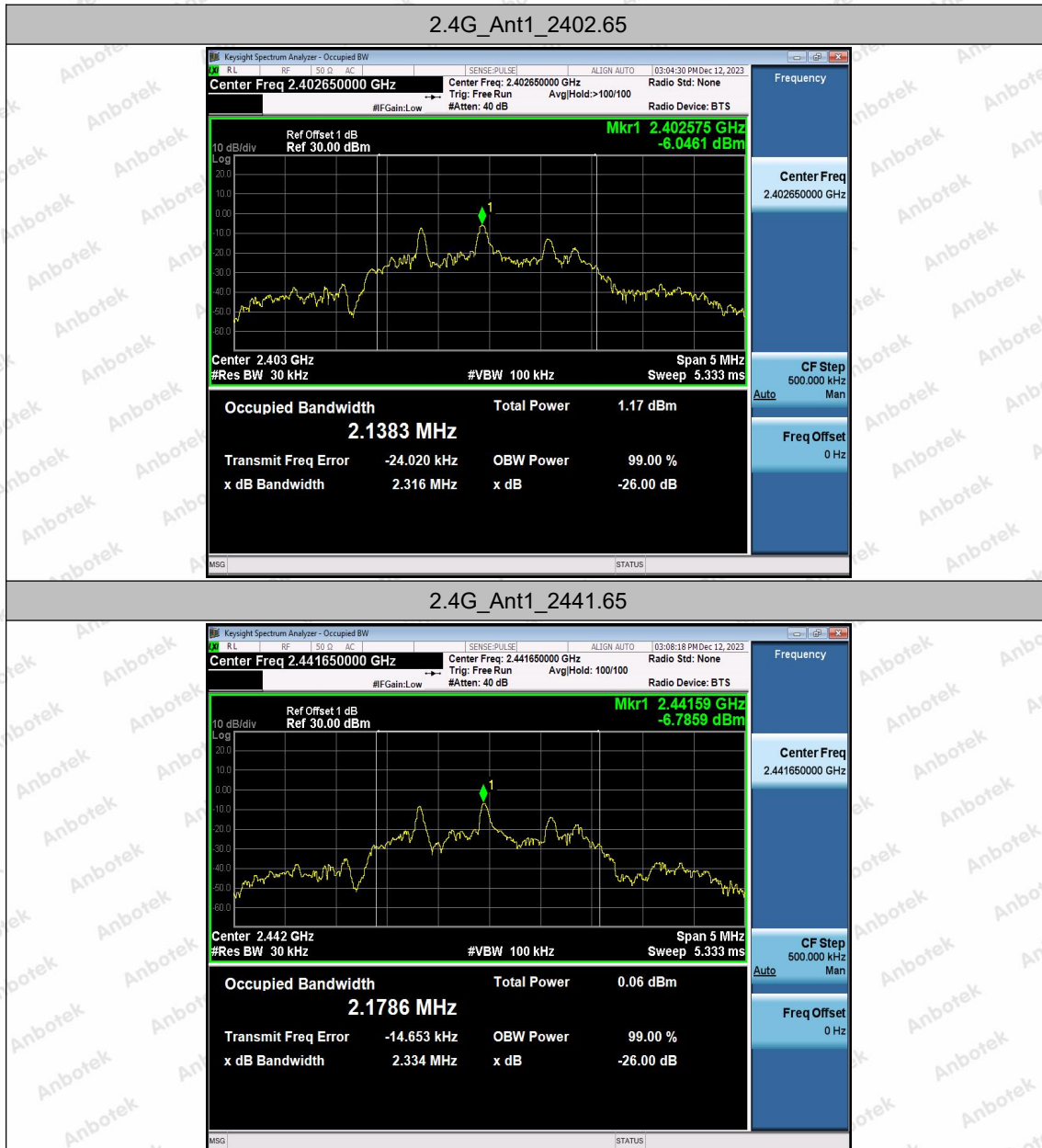


## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402.65	2.1383	2401.5568	2403.6951	---	---
		2441.65	2.1786	2440.5461	2442.7247	---	---
		2480.65	2.1999	2479.5458	2481.7457	---	---

### Test Graphs

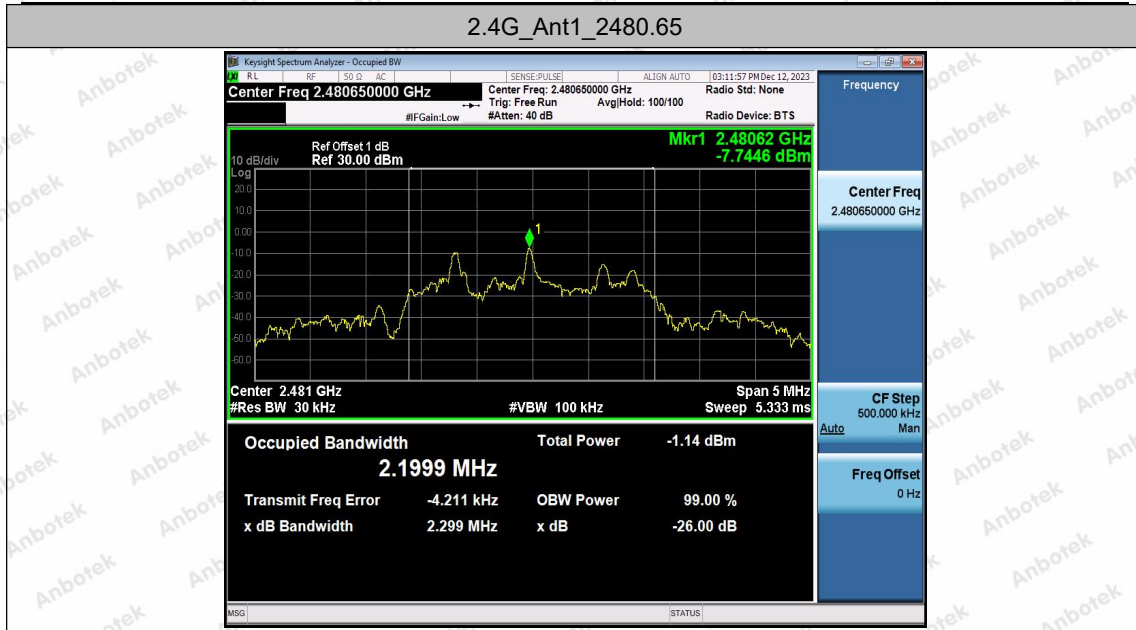


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## Appendix C: Maximum conducted output power

### Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402.65	-5.62	≤20.97	PASS
		2441.65	-6.43	≤20.97	PASS
		2480.65	-7.37	≤20.97	PASS

### Test Graphs



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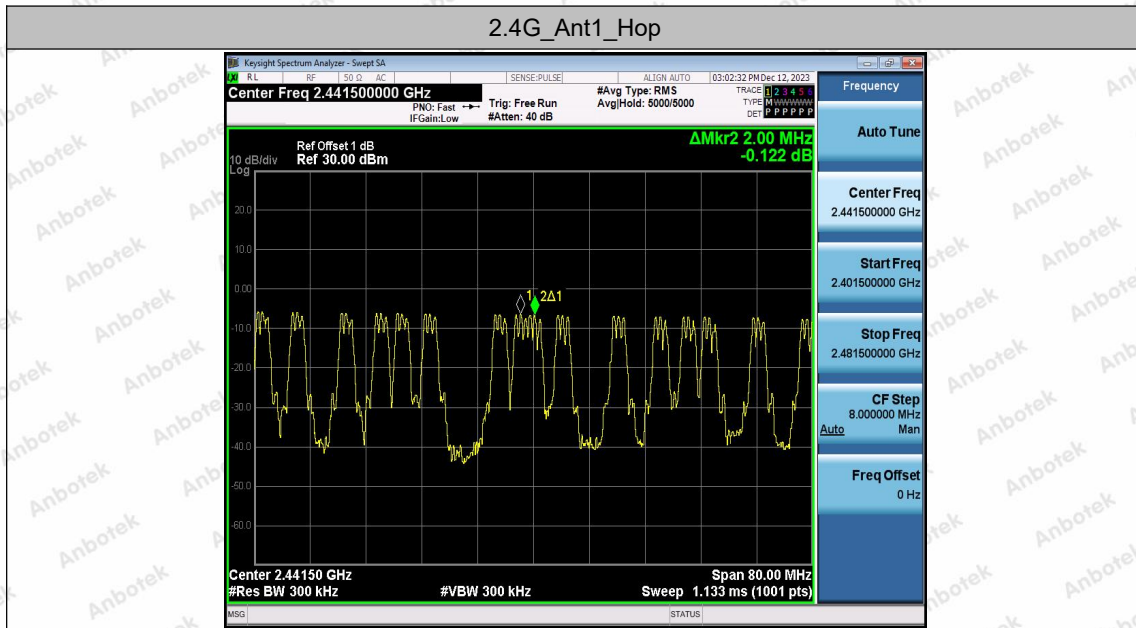


## Appendix D: Carrier frequency separation

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.000	≥1.353	PASS

### Test Graphs



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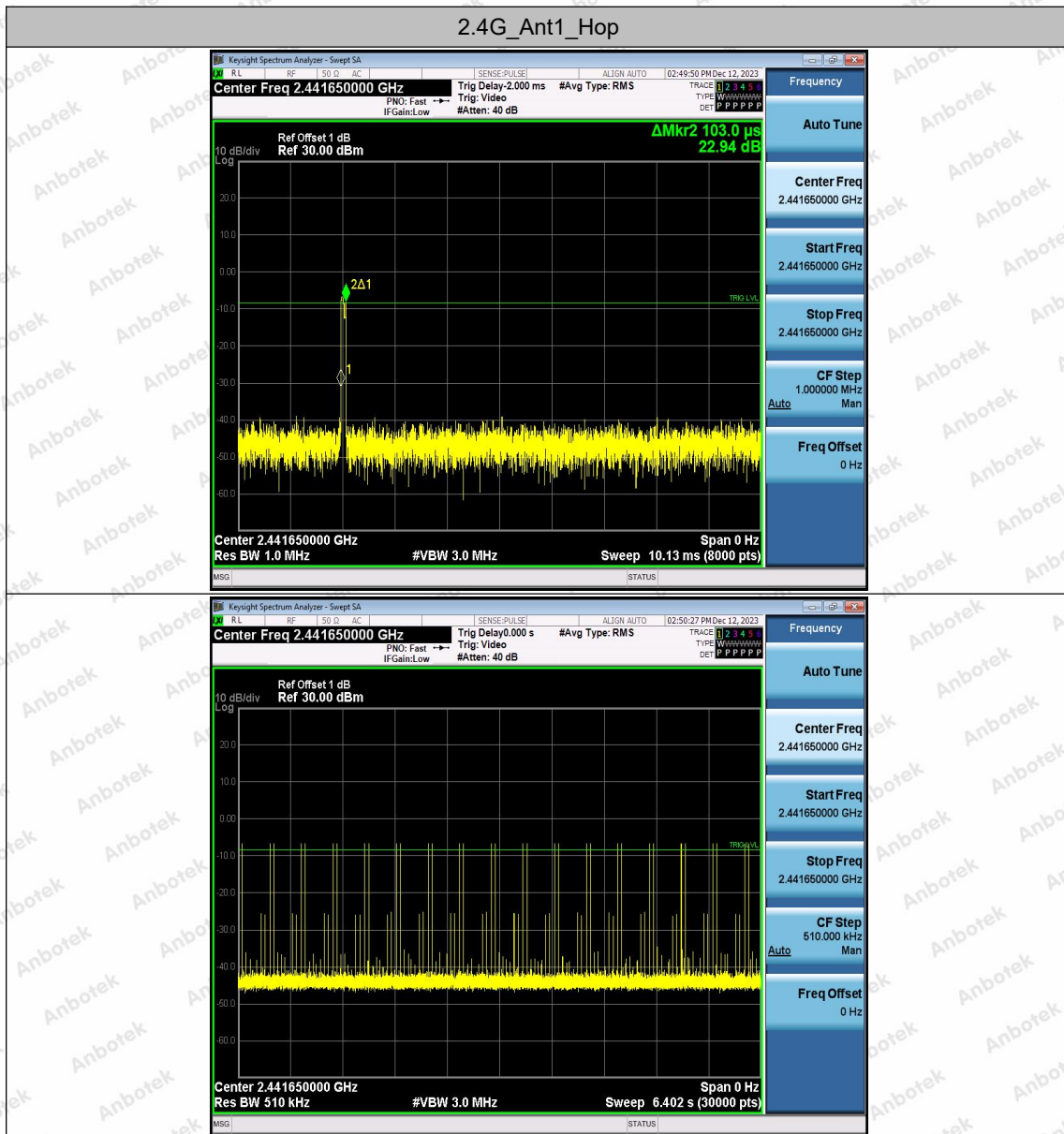


## Appendix E: Time of occupancy

### Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.103	33	0.003	≤0.4	PASS

### Test Graphs



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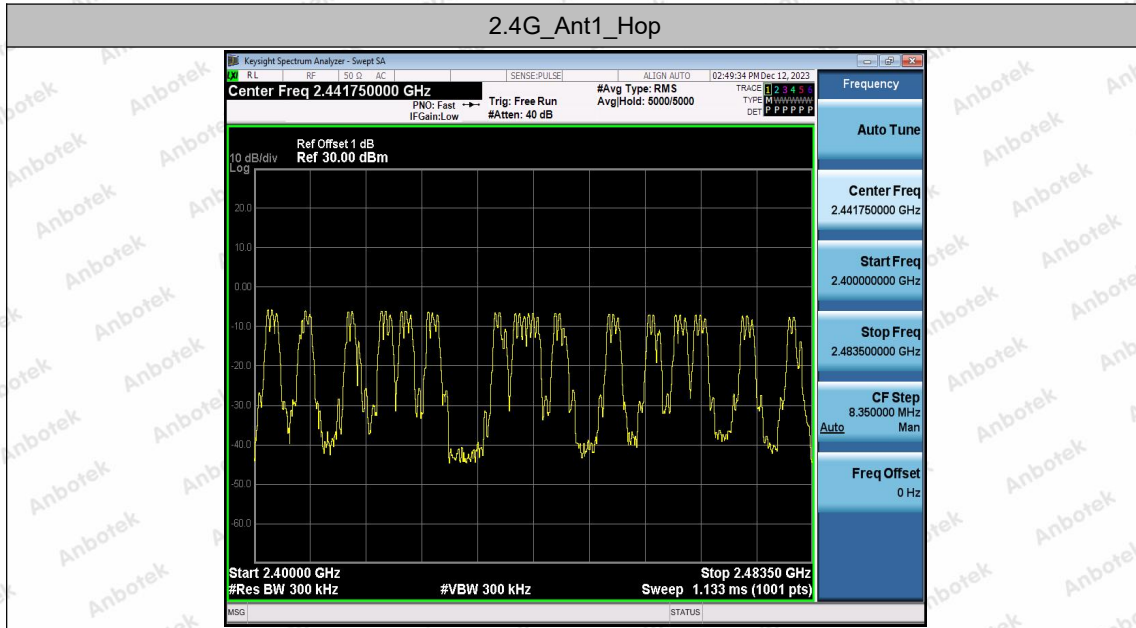


## Appendix F: Number of hopping channels

### Test Result

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

### Test Graphs

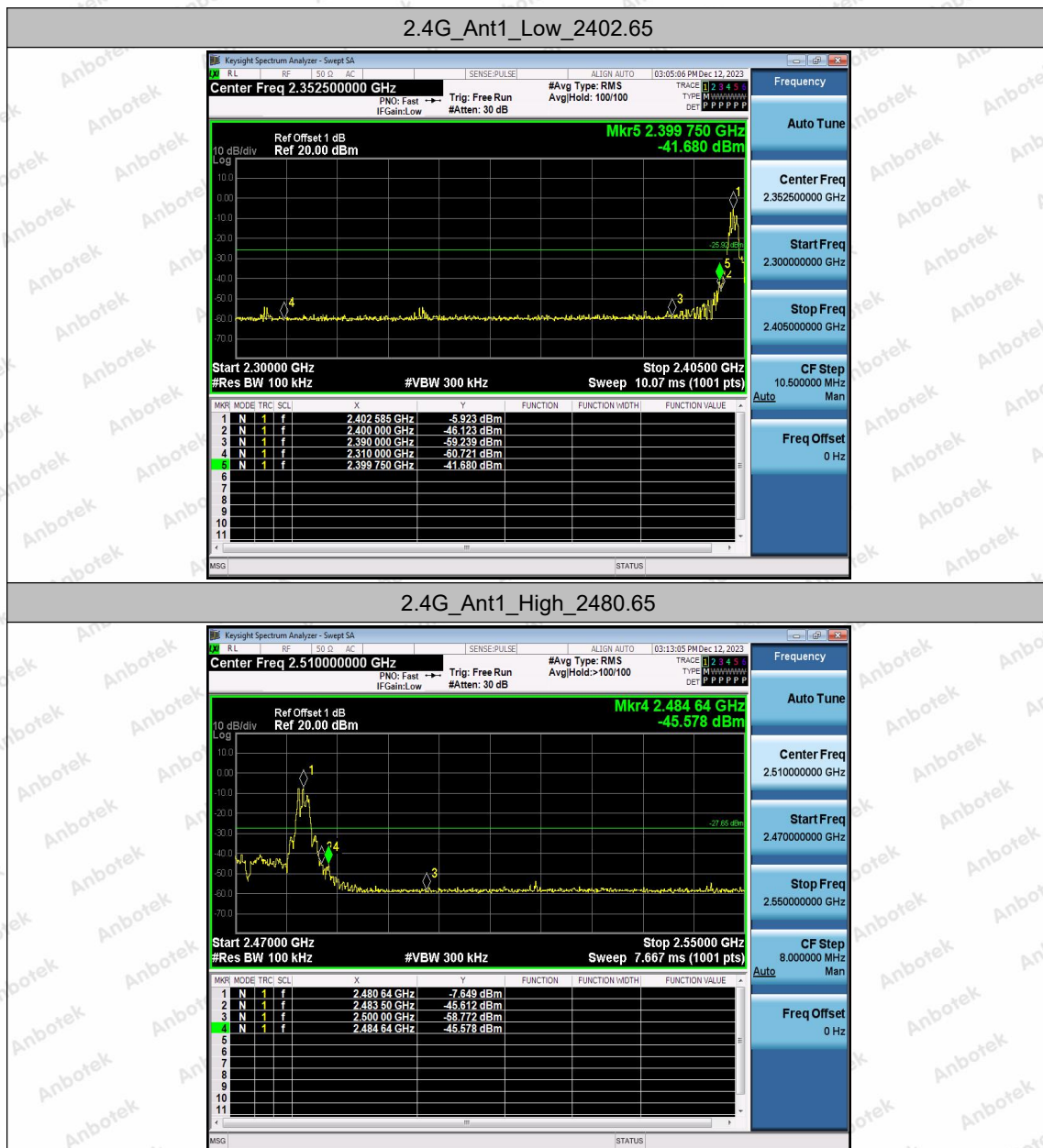


## Appendix G: Band edge measurements

### Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402.65	-5.92	-41.68	≤-25.92	PASS
		High	2480.65	-7.65	-45.58	≤-27.65	PASS
		Low	Hop_2402.65	-5.70	-51.53	≤-25.7	PASS
		High	Hop_2480.65	-7.39	-53.99	≤-27.39	PASS

### Test Graphs



### Shenzhen Anbotek Compliance Laboratory Limited

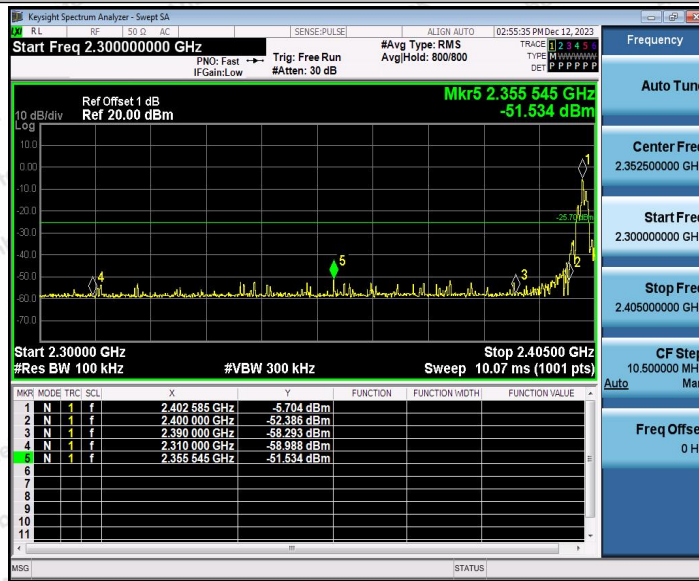
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## 2.4G\_Ant1\_Low\_Hop\_2402.65



## 2.4G\_Ant1\_High\_Hop\_2480.65



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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	2402.65	Reference	-5.88	-5.88	---	PASS
			30~1000	-5.88	-69.81	≤-25.88	PASS
			1000~26500	-5.88	-49.63	≤-25.88	PASS
		2441.65	Reference	-6.72	-6.72	---	PASS
			30~1000	-6.72	-69.12	≤-26.72	PASS
			1000~26500	-6.72	-42.54	≤-26.72	PASS
		2480.65	Reference	-7.66	-7.66	---	PASS
			30~1000	-7.66	-67.71	≤-27.66	PASS
			1000~26500	-7.66	-53.07	≤-27.66	PASS

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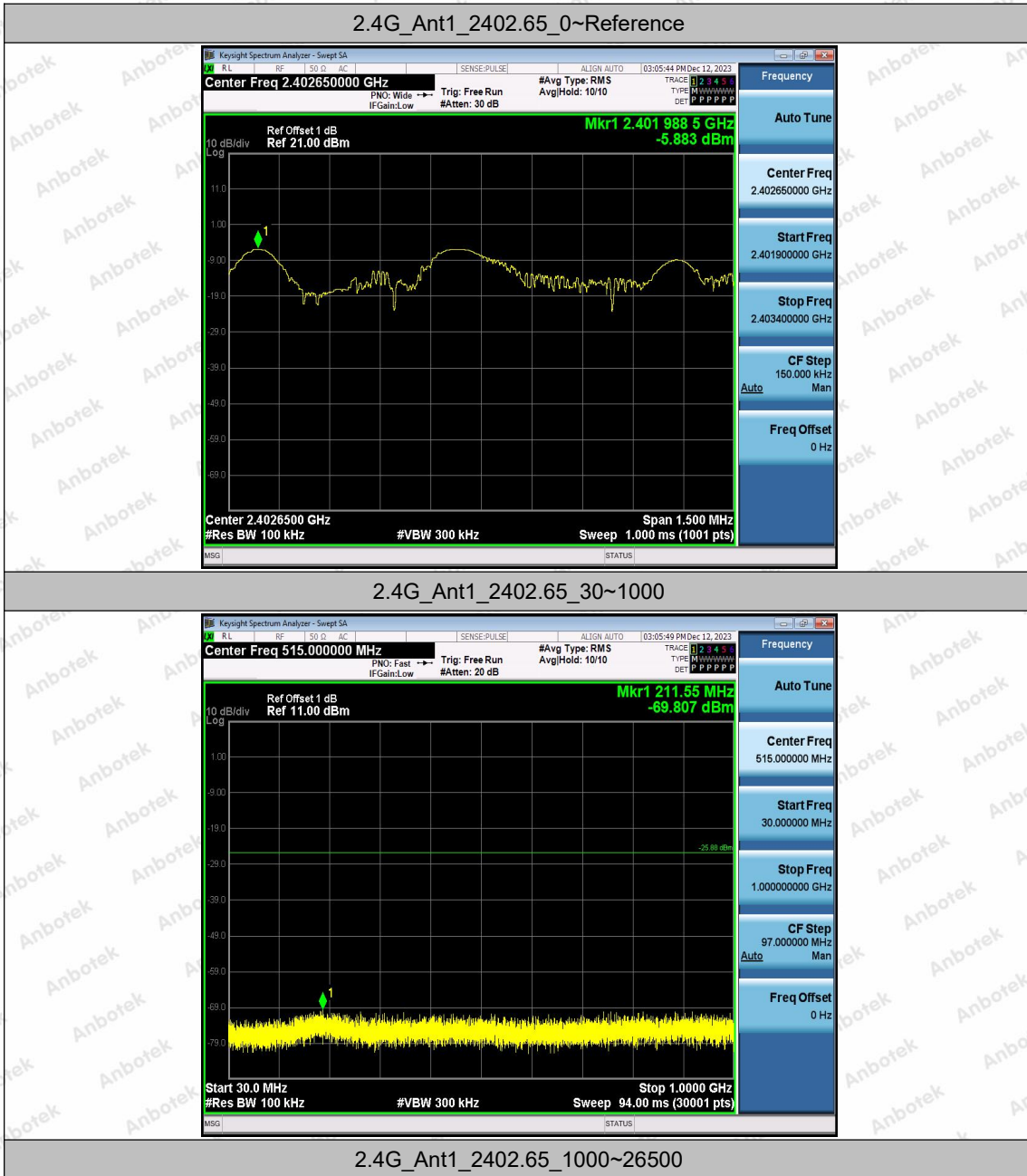
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## Test Graphs



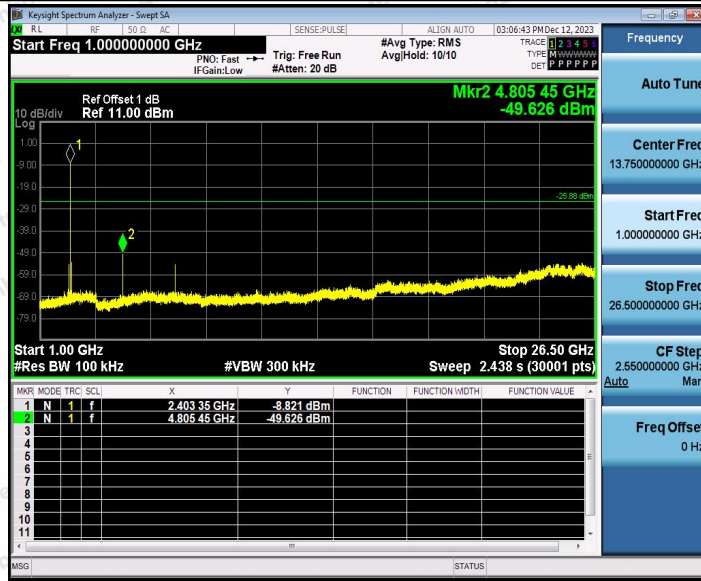
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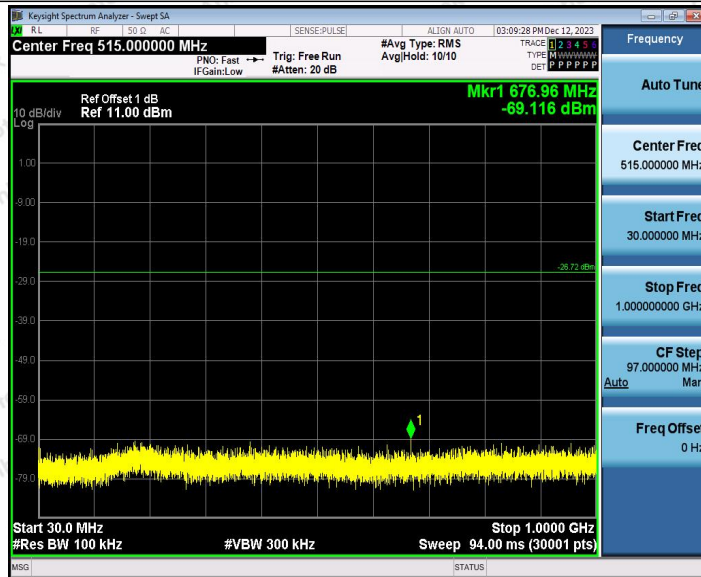




2.4G\_Ant1\_2441.65\_0~Reference



2.4G\_Ant1\_2441.65\_30~1000



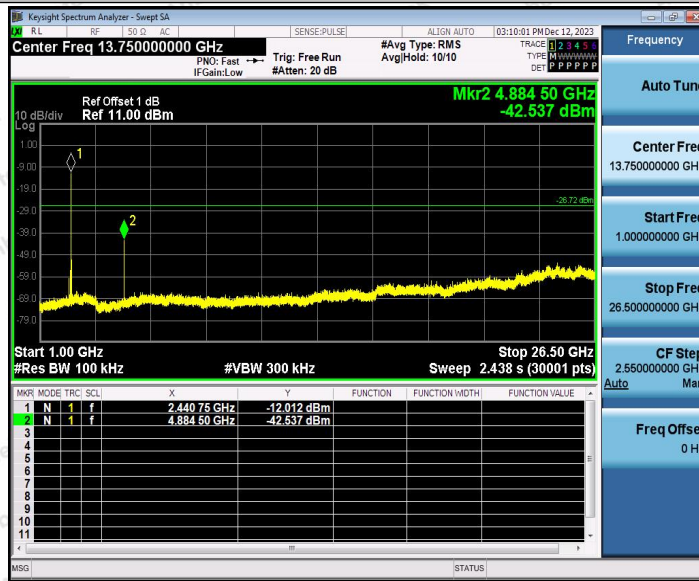
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2.4G\_Ant1\_2441.65\_1000~26500



2.4G\_Ant1\_2480.65\_0~Reference



2.4G\_Ant1\_2480.65\_30~1000

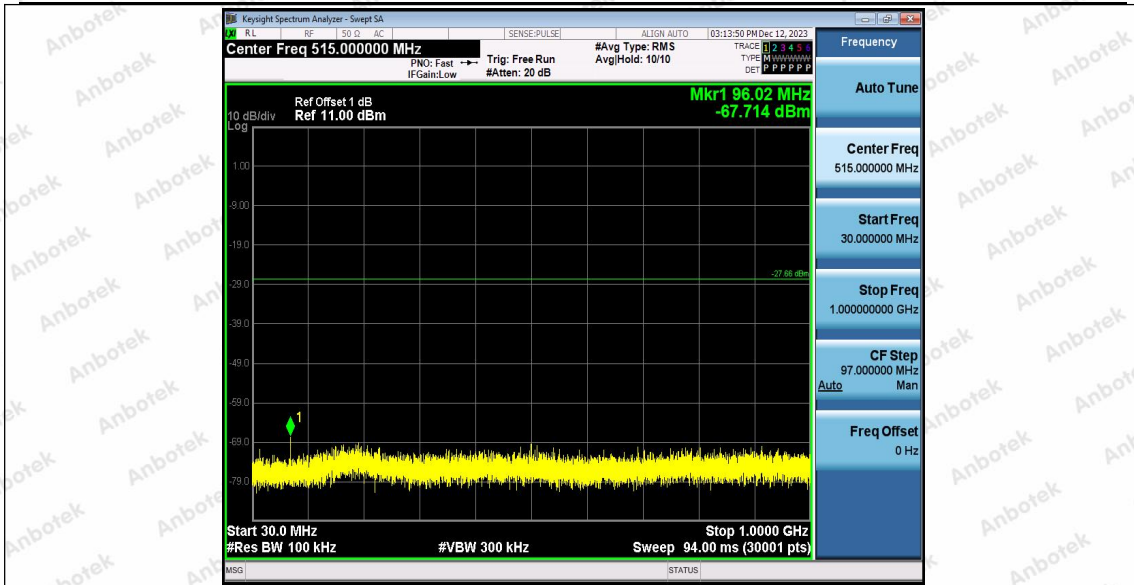
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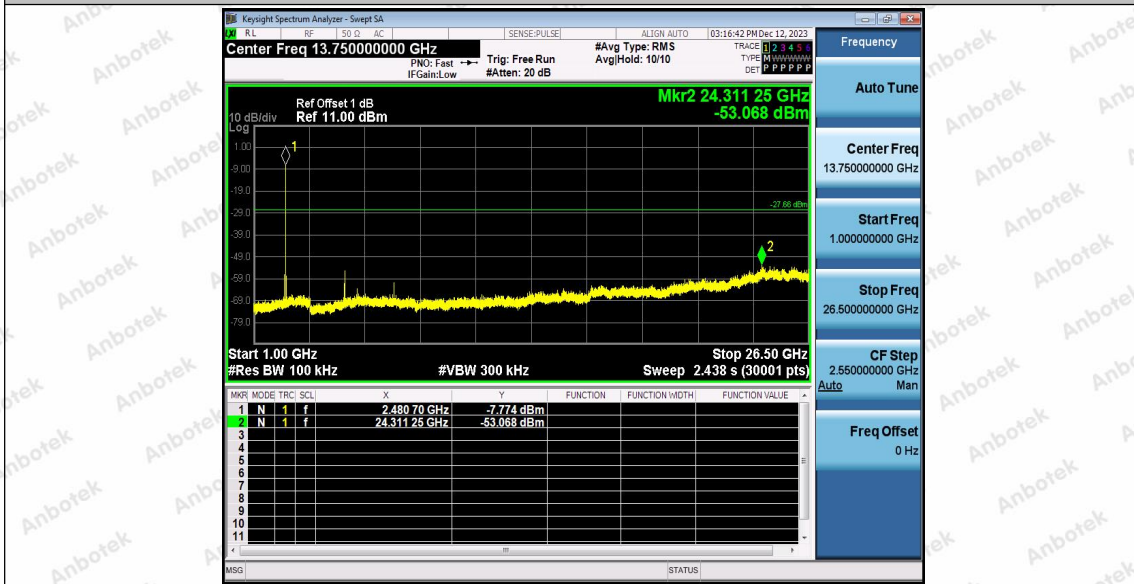
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2.4G\_Ant1\_2480.65\_1000~26500



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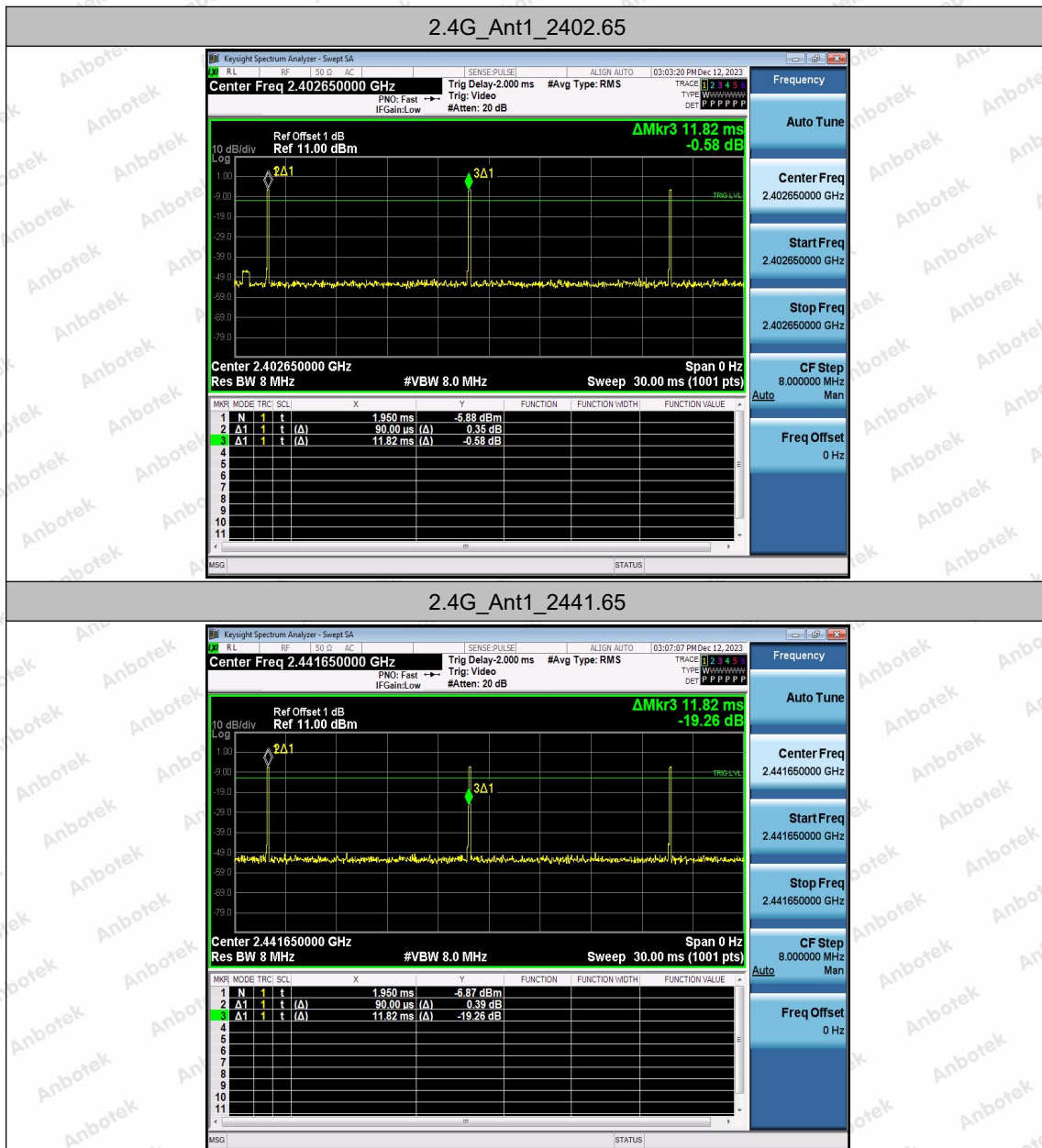


## Appendix I: Duty Cycle

### Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402.65	0.09	11.82	0.76	21.19
		2441.65	0.09	11.82	0.76	21.19
		2480.65	0.09	11.82	0.76	21.19

### Test Graphs

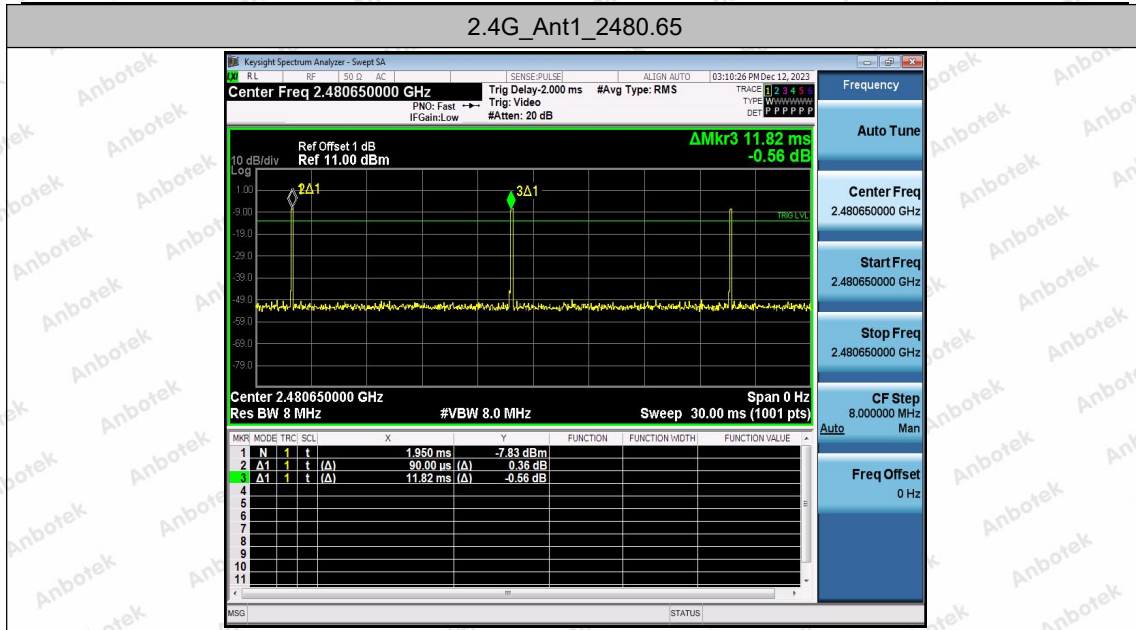


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