

## Appendix Test Data

Report No.:	18220WC30211701	Test Sample No.:	1-2-2
Start Test Date:	2023.09.27	Finish Test Date:	2023.10.08
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.6°C	Relative Humidity:	53.4%
Pressure:	101kPa		

## Appendix A: DTS Bandwidth

## Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	0.81	2401.66	2402.47	0.5	PASS
		2440	0.66	2439.69	2440.35	0.5	PASS
		2480	0.66	2479.69	2480.36	0.5	PASS

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## Test Graphs

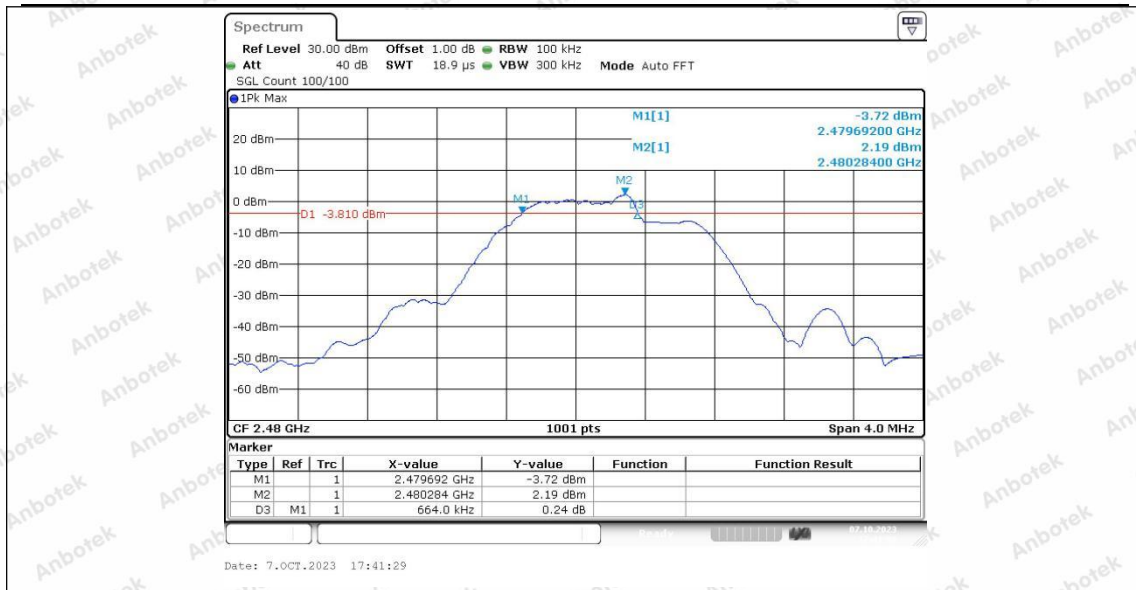


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## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4G	Ant1	2402	1.007	2401.5165	2402.5235
		2440	1.107	2439.5125	2440.6194
		2480	1.119	2479.5125	2480.6314

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## Test Graphs

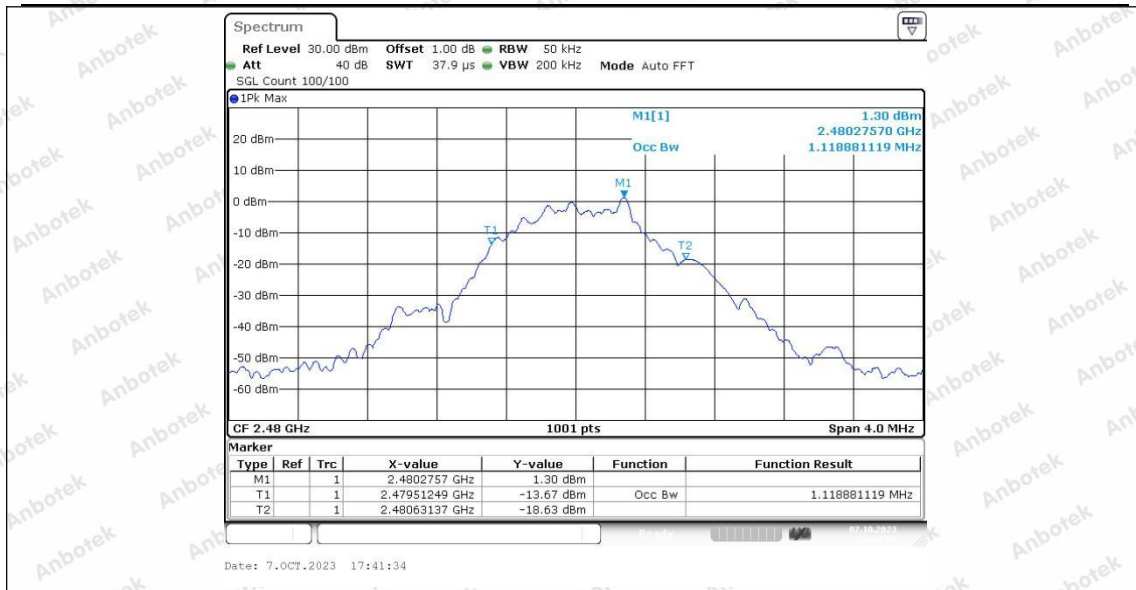


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## Appendix C: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402	2.38	≤30	PASS
		2440	<b>2.43</b>	≤30	PASS
		2480	2.38	≤30	PASS

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## Test Graphs Peak



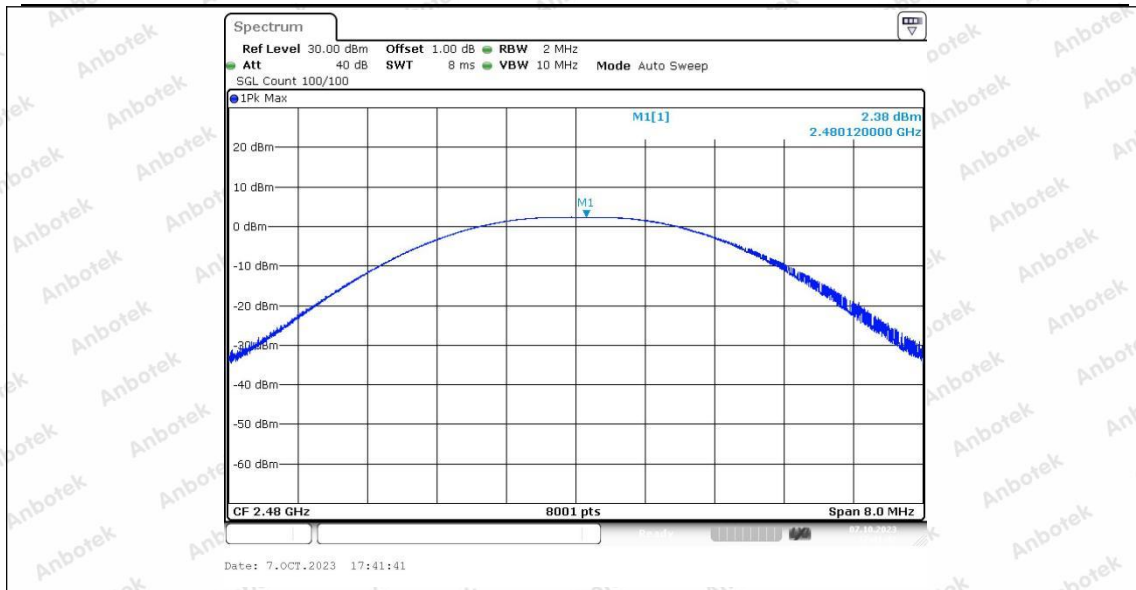
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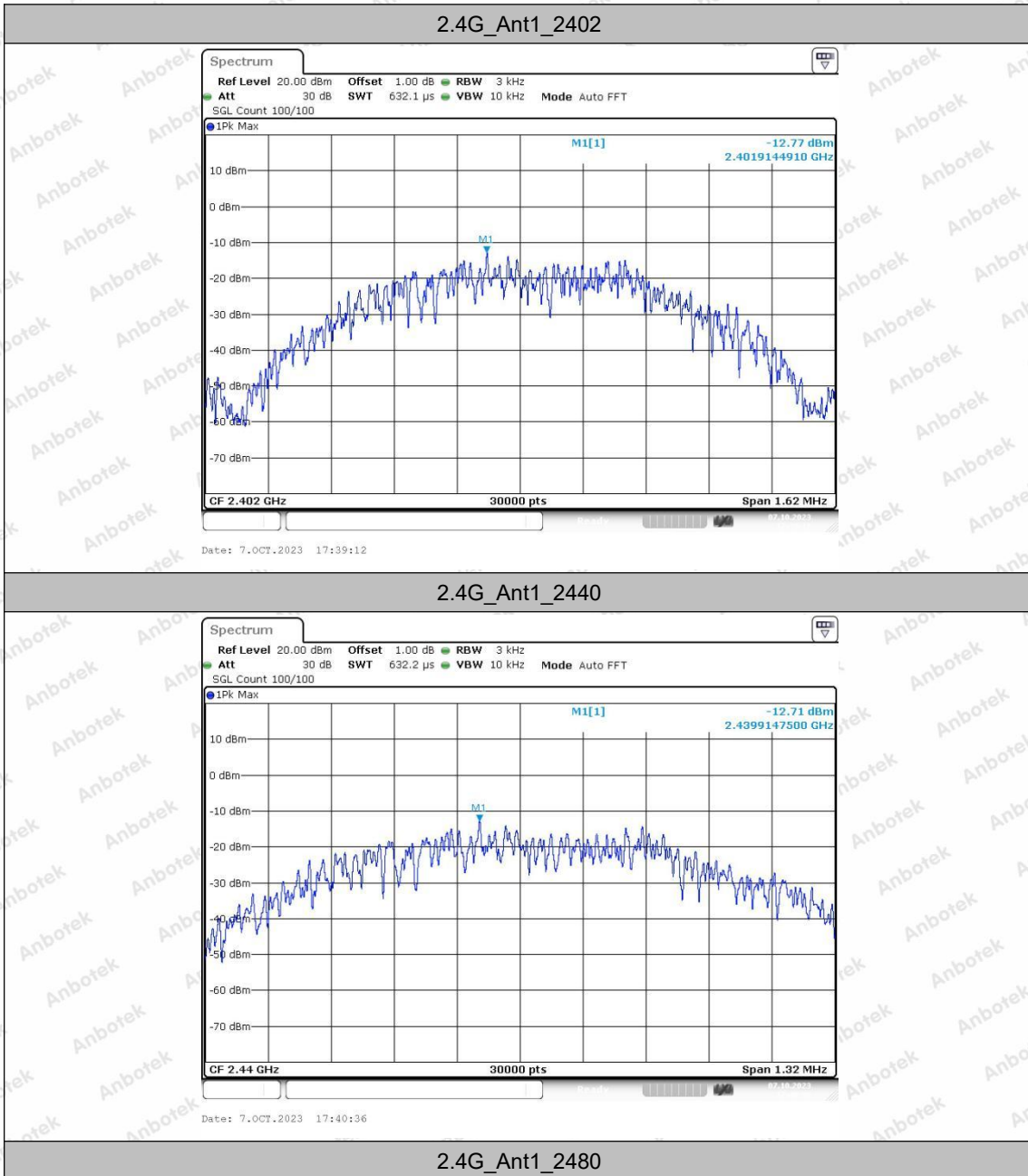
## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2402	-12.77	≤8.00	PASS
		2440	-12.71	≤8.00	PASS
		2480	-12.64	≤8.00	PASS



## Test Graphs



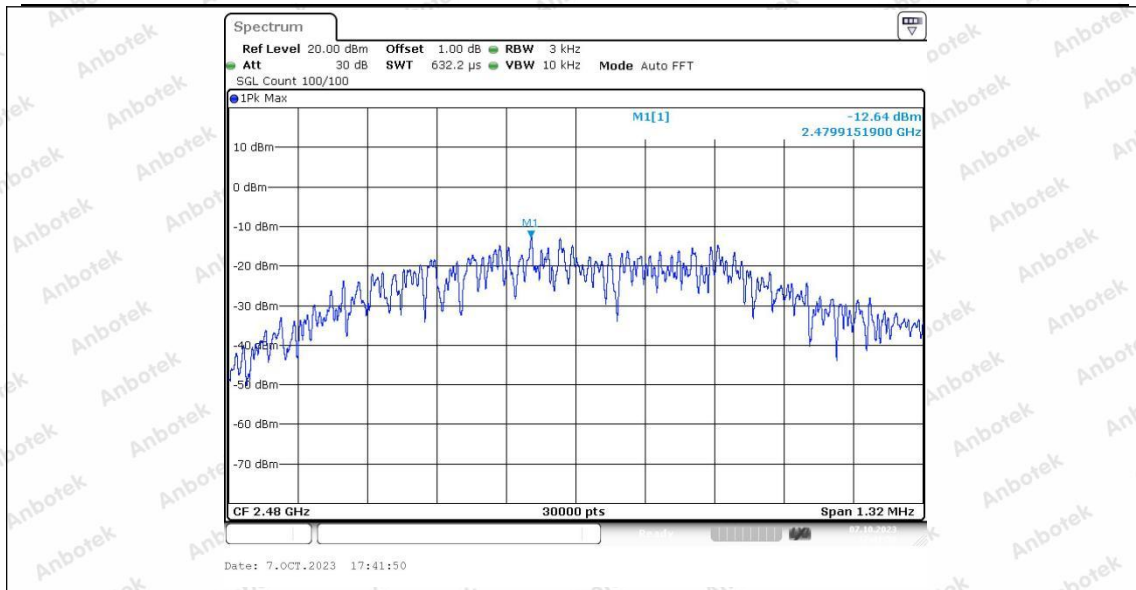
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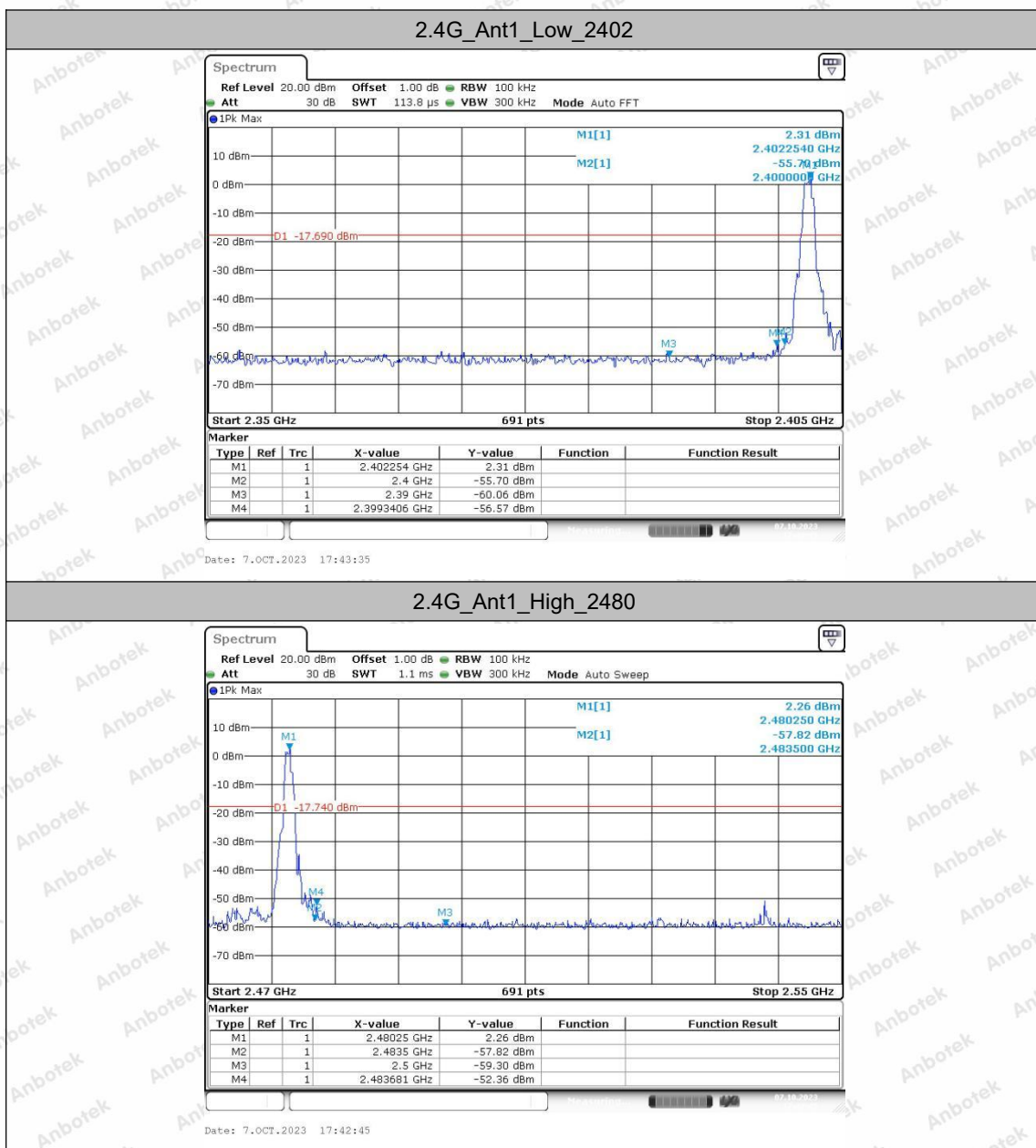


## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2402	2.31	-56.57	≤-17.69	PASS
		High	2480	2.26	-52.36	≤-17.74	PASS

### 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	2402	Reference	0.51	0.51	---	PASS
			30~1000	0.51	-69.12	≤-19.49	PASS
			1000~26500	0.51	-43.5	≤-19.49	PASS
		2440	Reference	2.19	2.19	---	PASS
			30~1000	2.19	-69.06	≤-17.81	PASS
			1000~26500	2.19	-41.75	≤-17.81	PASS
		2480	Reference	0.61	0.61	---	PASS
			30~1000	0.61	-68.82	≤-19.39	PASS
			1000~26500	0.61	-44.8	≤-19.39	PASS

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## Test Graphs

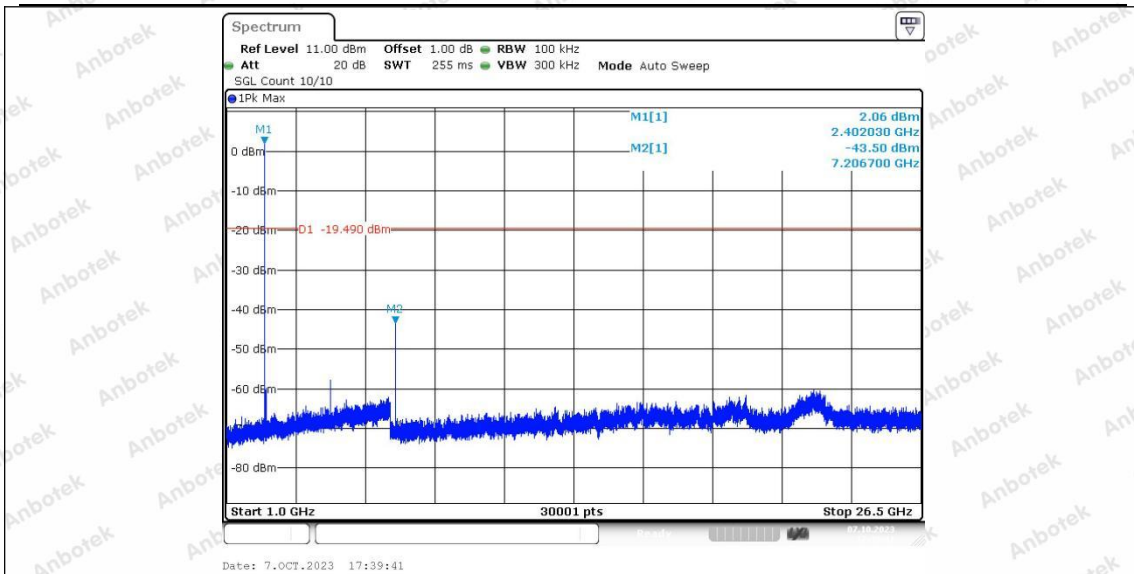


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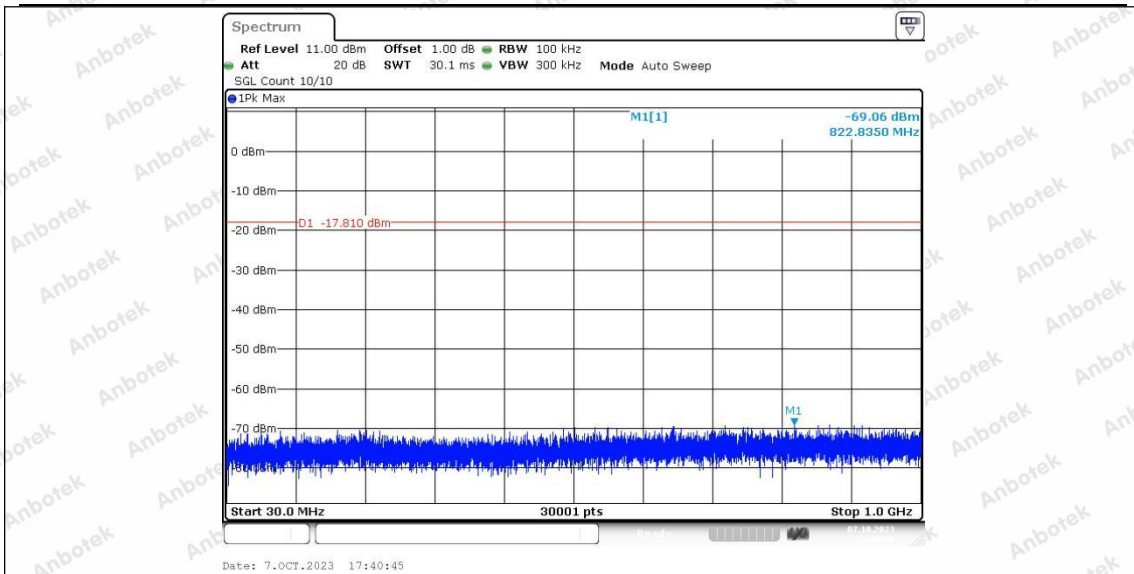
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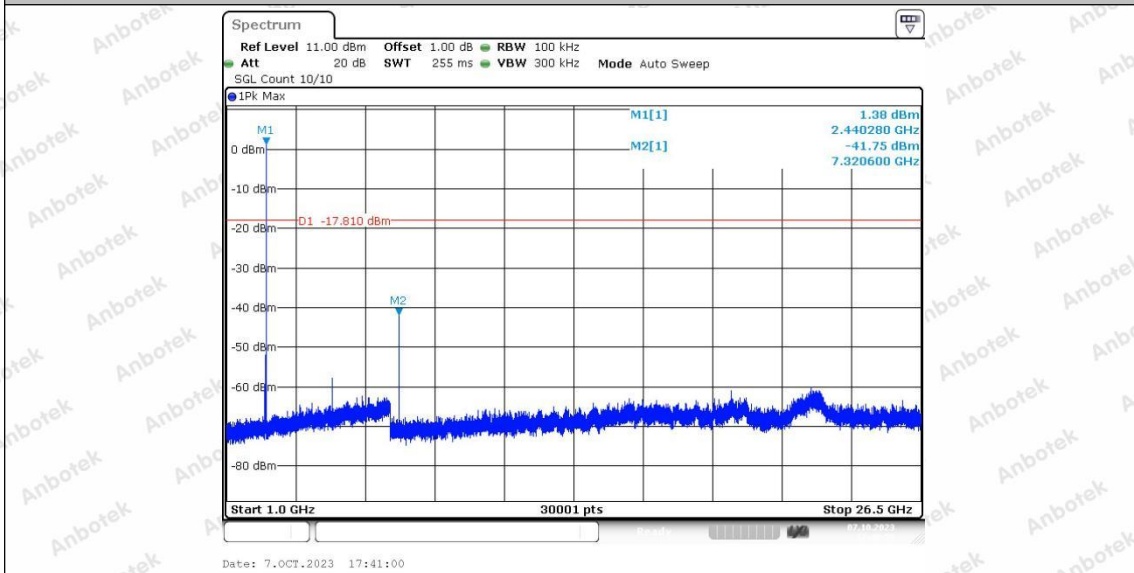
2.4G\_Ant1\_2440\_30~1000







2.4G\_Ant1\_2440\_1000~26500



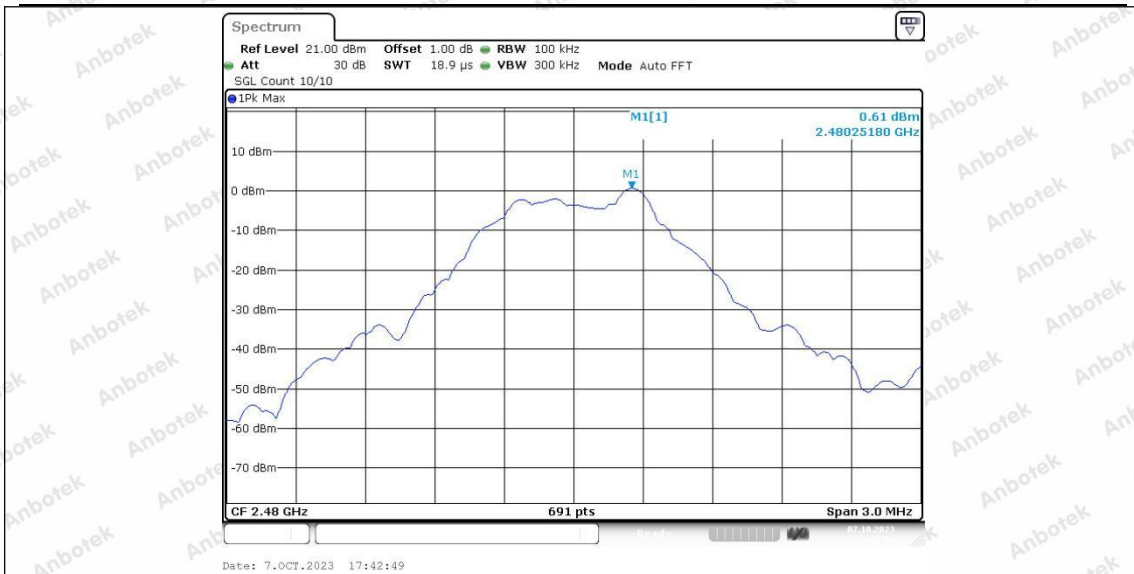
2.4G\_Ant1\_2480\_0~Reference

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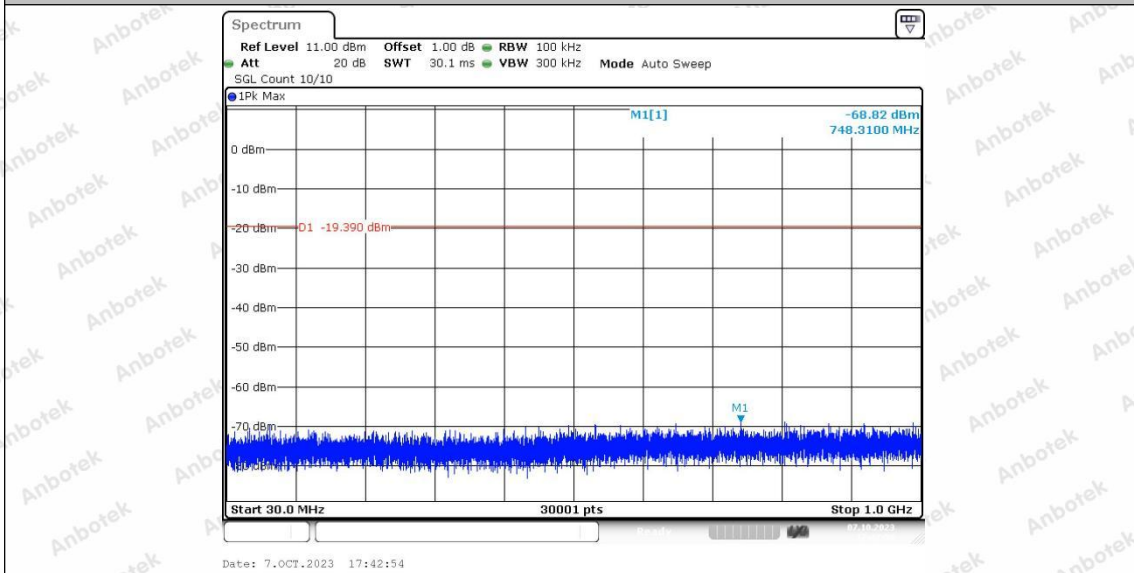
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2.4G\_Ant1\_2480\_30~1000



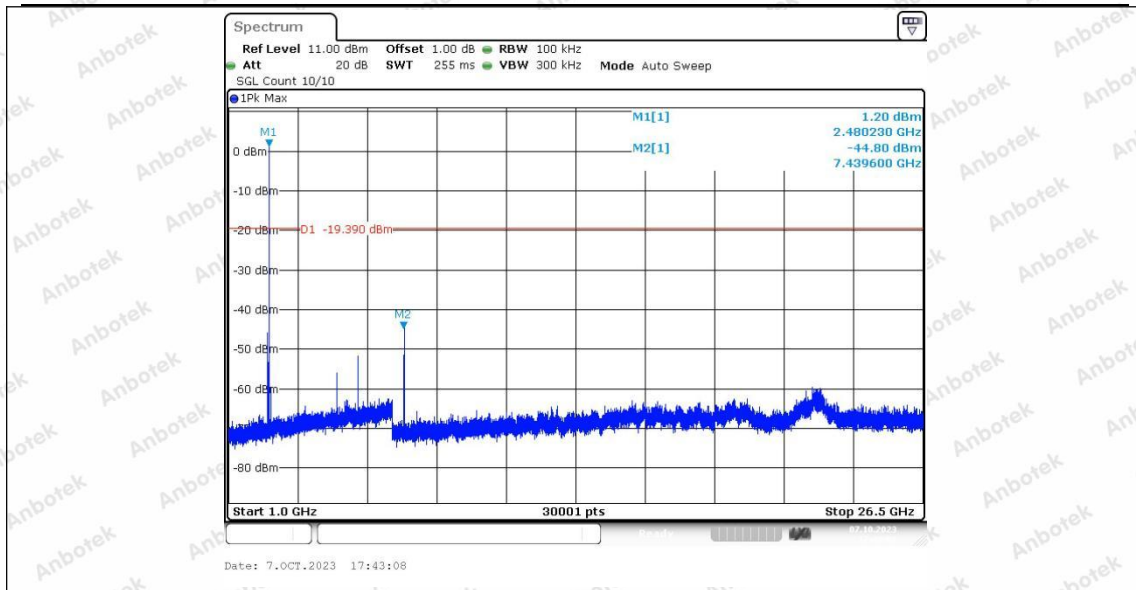
2.4G\_Ant1\_2480\_1000~26500

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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	2402	0.28	0.62	45.16	3.45
		2440	0.28	0.62	45.16	3.45
		2480	0.28	0.62	45.16	3.45

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## Test Graphs



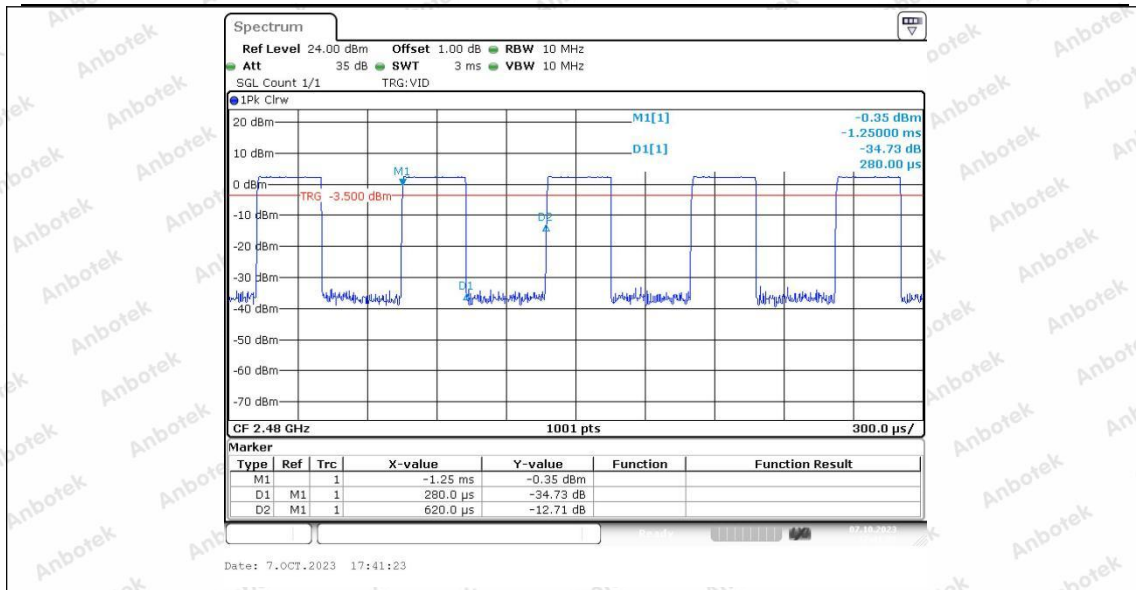
2.4G\_Ant1\_2480

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