

## Appendix Test Data

Report No.:	18220WC30213702	Test Sample No.:	1-2-2
Start Test Date:	2023.10.07	Finish Test Date:	2023.10.09
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	26.3°C	Relative Humidity:	56.8%
Pressure:	101kPa		

## Appendix A: DTS Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.52	2401.66	2402.18	0.5	PASS
		2440	0.51	2439.68	2440.18	0.5	PASS
		2480	0.51	2479.67	2480.17	0.5	PASS

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## Test Graphs



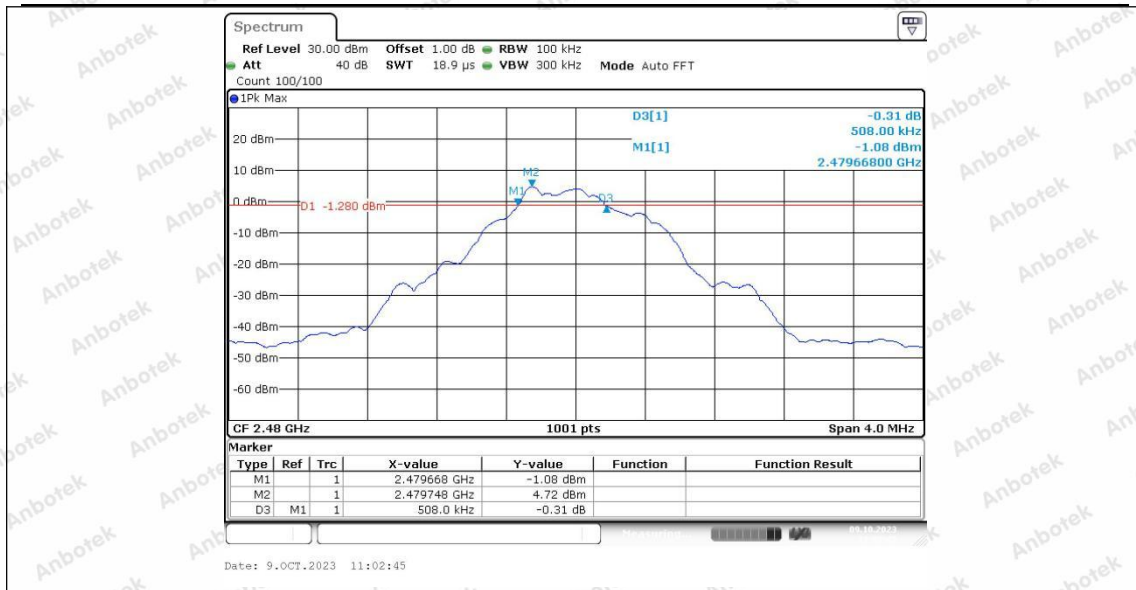
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## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.051	2401.4765	2402.5275
		2440	1.055	2439.4765	2440.5315
		2480	1.047	2479.4805	2480.5275

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## Test Graphs

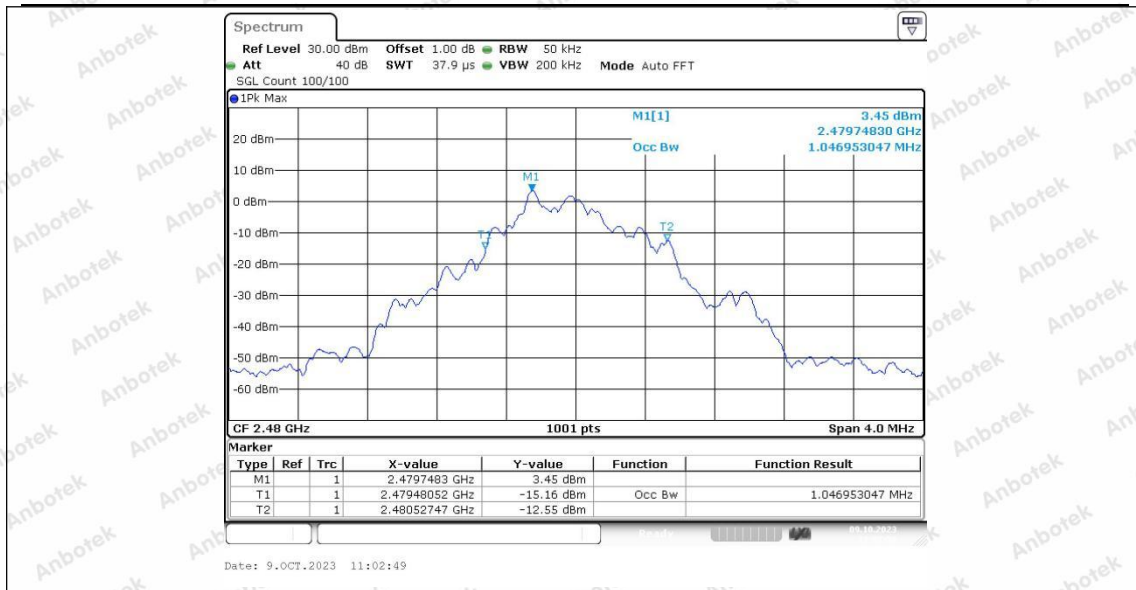


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## Appendix C: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.06	≤30	PASS
		2440	5.09	≤30	PASS
		2480	4.86	≤30	PASS

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## Test Graphs Peak



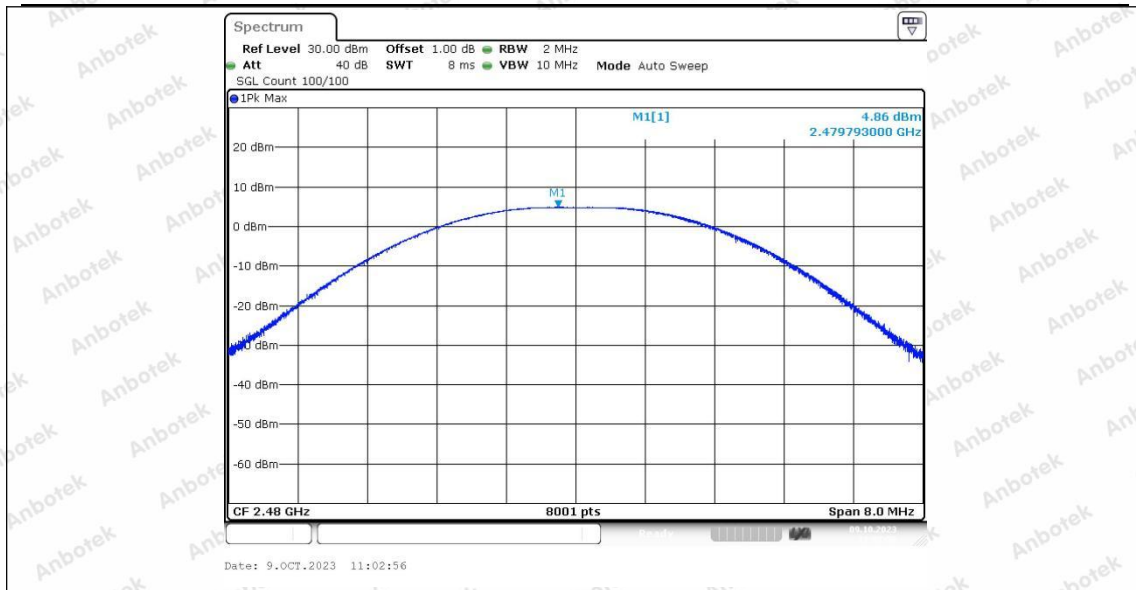
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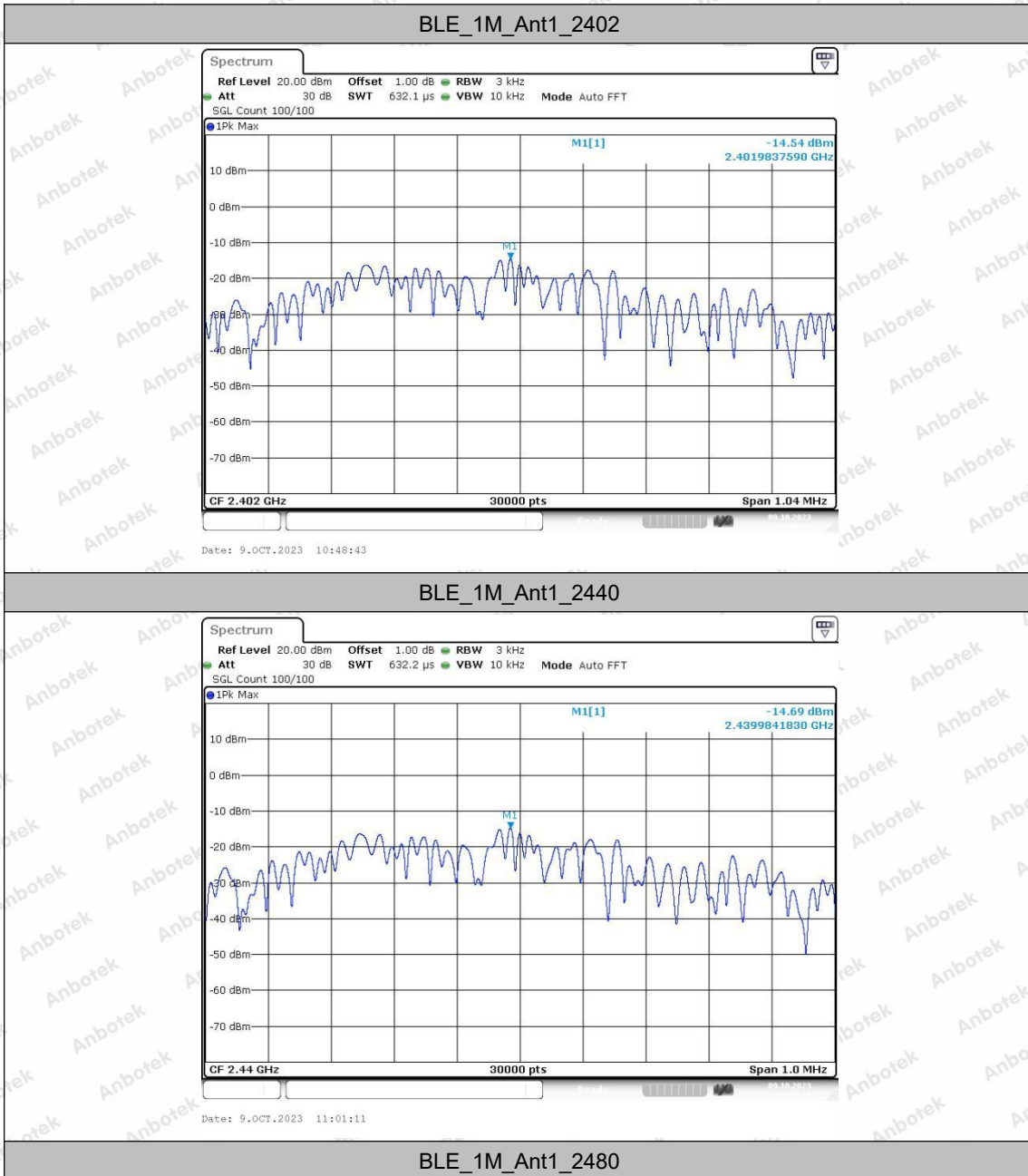
## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.54	≤8.00	PASS
		2440	-14.69	≤8.00	PASS
		2480	-15.28	≤8.00	PASS



## Test Graphs



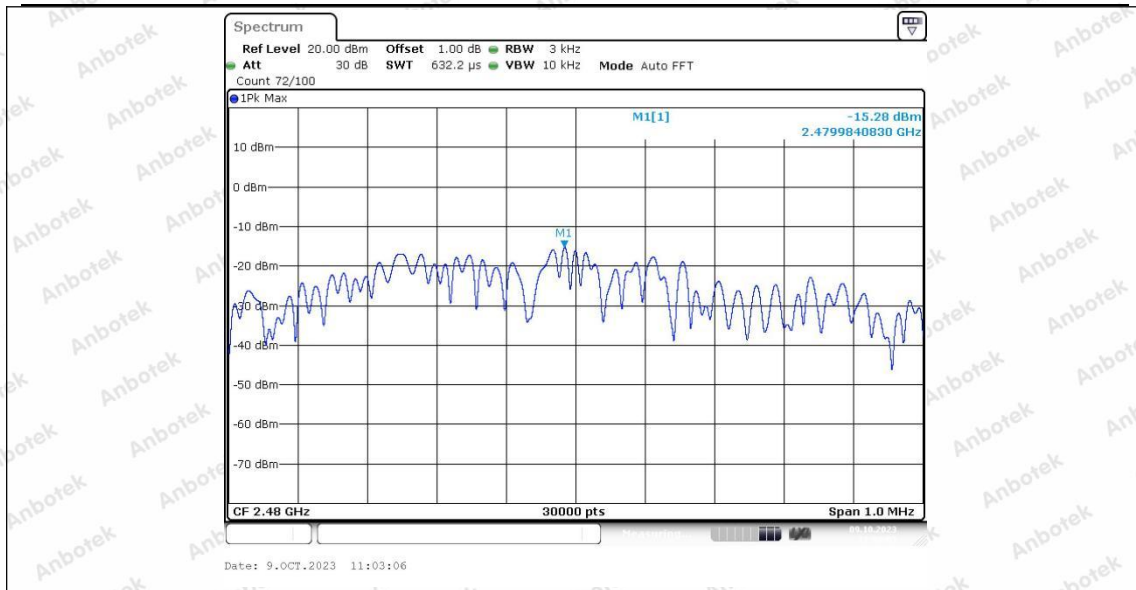
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## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.96	-47.66	≤-15.04	PASS
		High	2480	4.47	-51.51	≤-15.53	PASS

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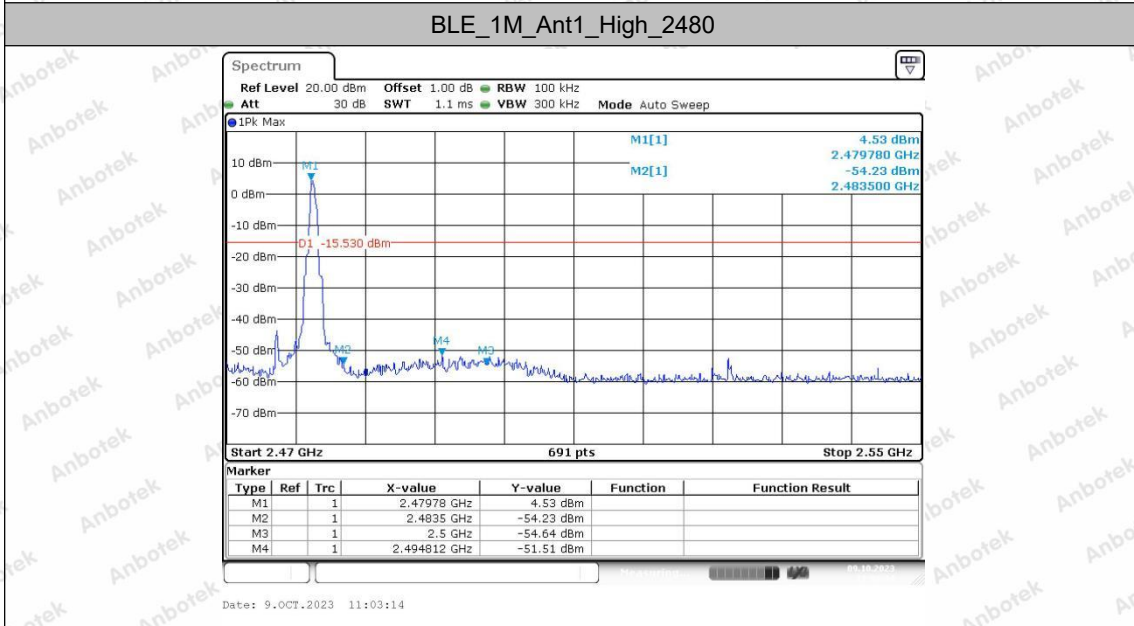
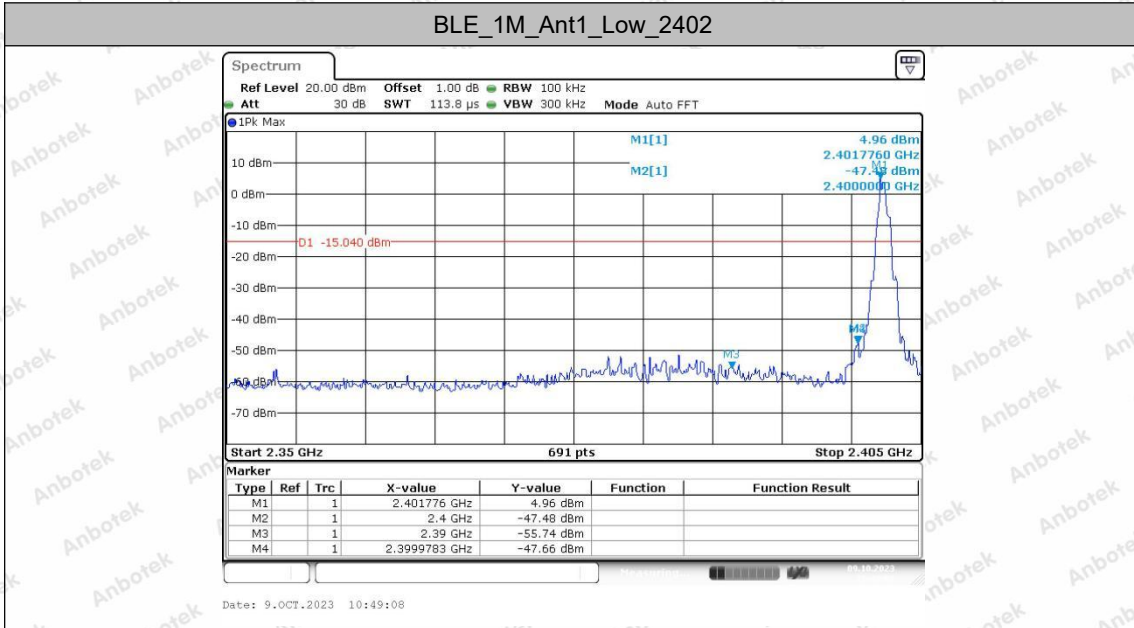
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## Test Graphs



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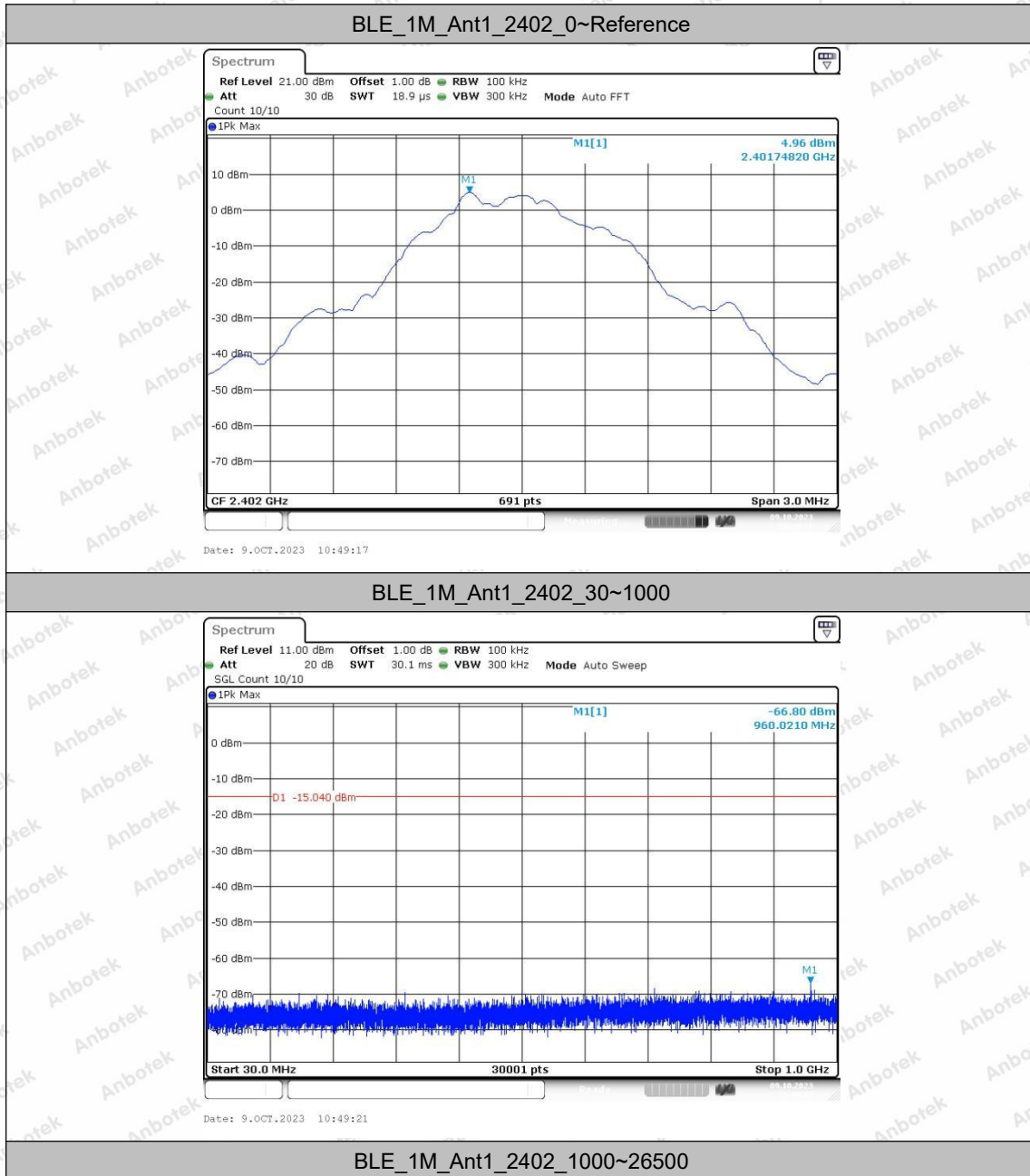
## Appendix F: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	Reference	4.96	4.96	---	PASS
			30~1000	4.96	-66.8	≤-15.04	PASS
			1000~26500	4.96	-41.29	≤-15.04	PASS
		2440	Reference	4.94	4.94	---	PASS
			30~1000	4.94	-68.51	≤-15.06	PASS
			1000~26500	4.94	-41.57	≤-15.06	PASS
		2480	Reference	4.70	4.70	---	PASS
			30~1000	4.70	-68.6	≤-15.3	PASS
			1000~26500	4.70	-40.59	≤-15.3	PASS



## Test Graphs



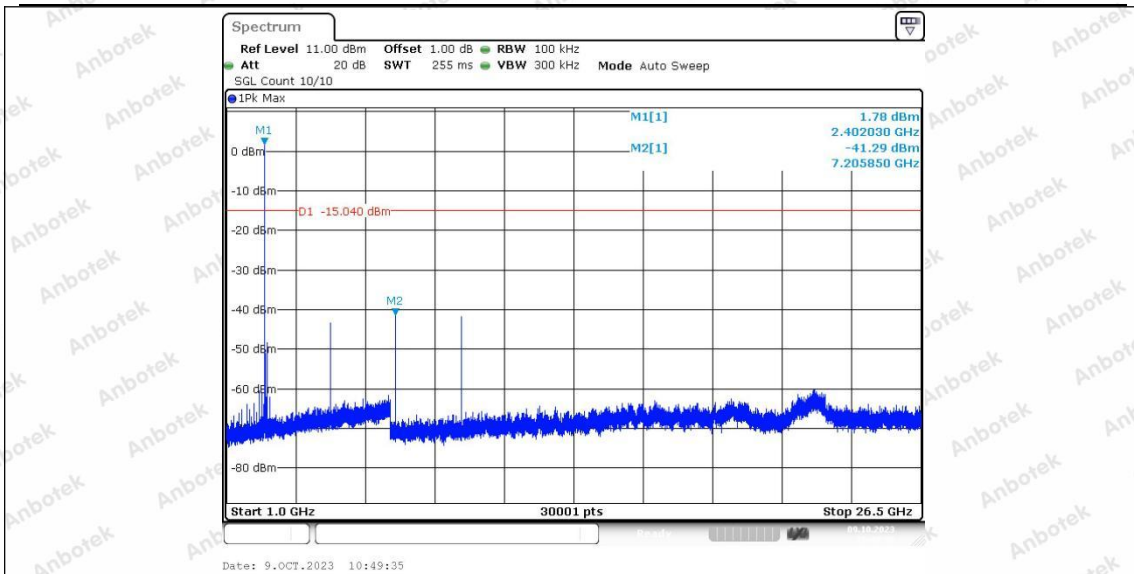
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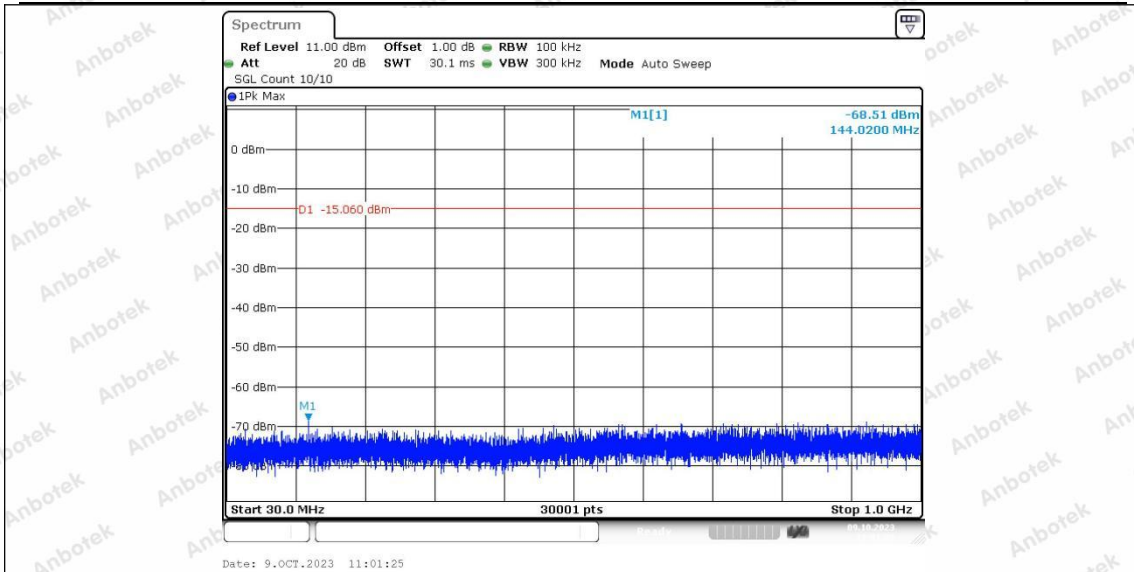


BLE\_1M\_Ant1\_2440\_0~Reference

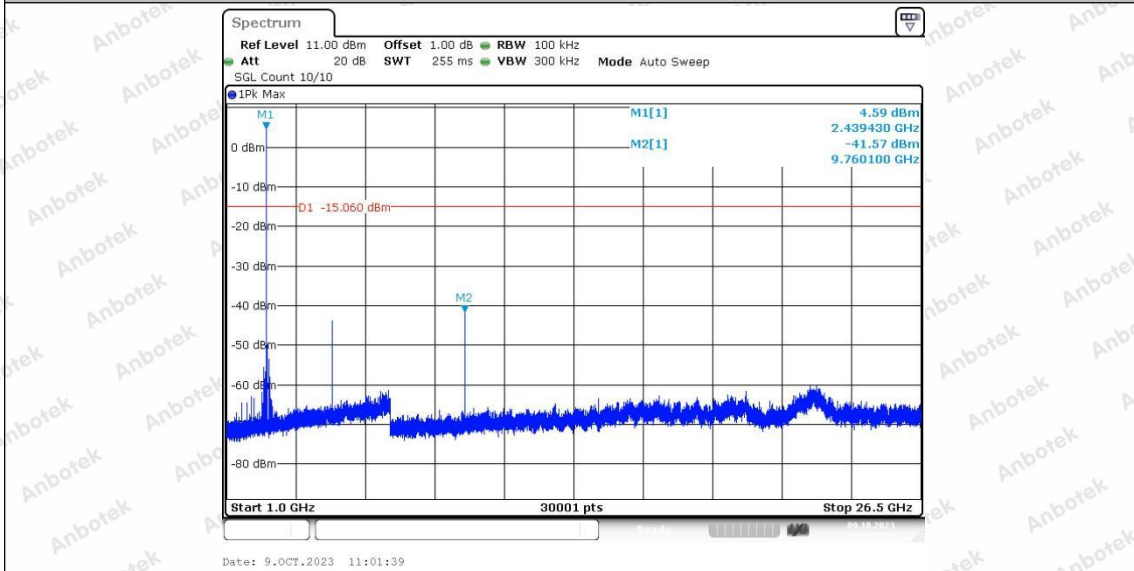


BLE\_1M\_Ant1\_2440\_30~1000





BLE\_1M\_Ant1\_2440\_1000~26500



BLE\_1M\_Ant1\_2480\_0~Reference

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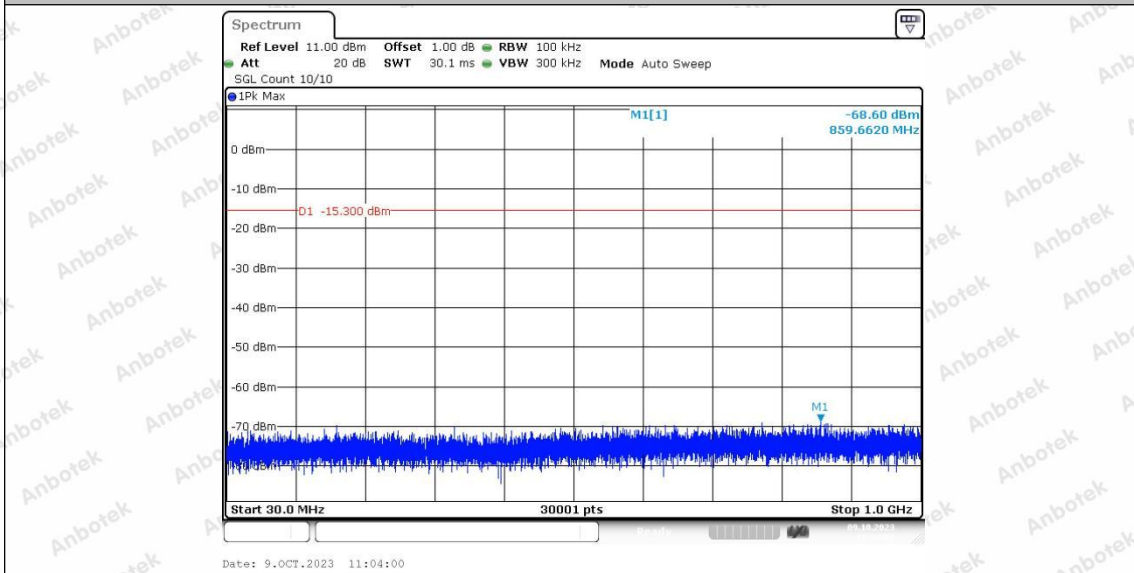


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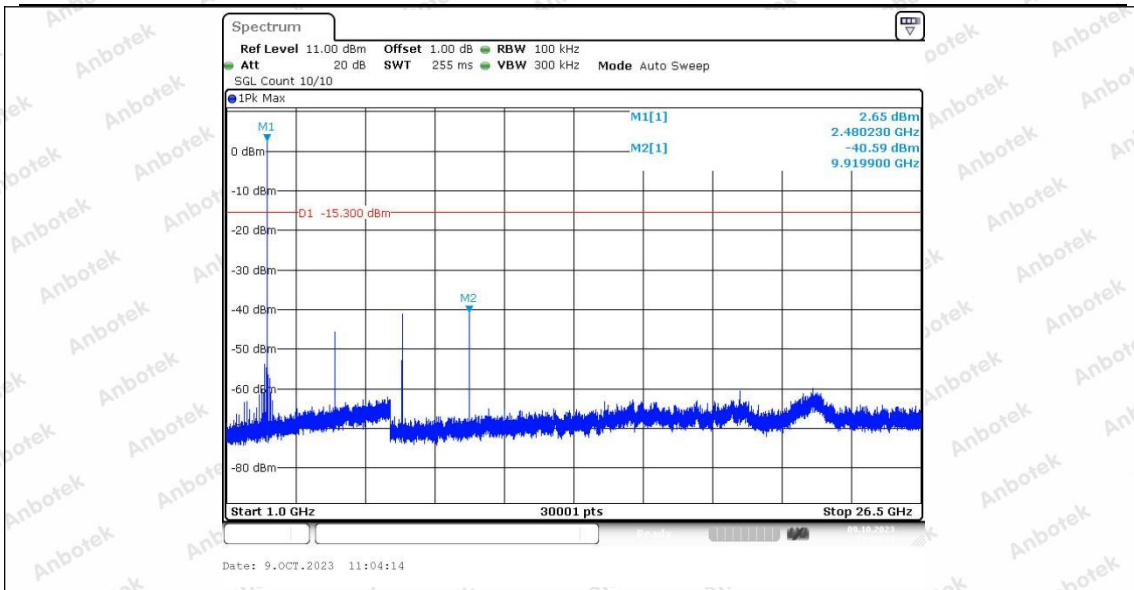


BLE\_1M\_Ant1\_2480\_30~1000



BLE\_1M\_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]
BLE_1M	Ant1	2402	0.09	0.62	14.52	8.38
		2440	0.09	0.62	14.52	8.38
		2480	0.09	0.62	14.52	8.38

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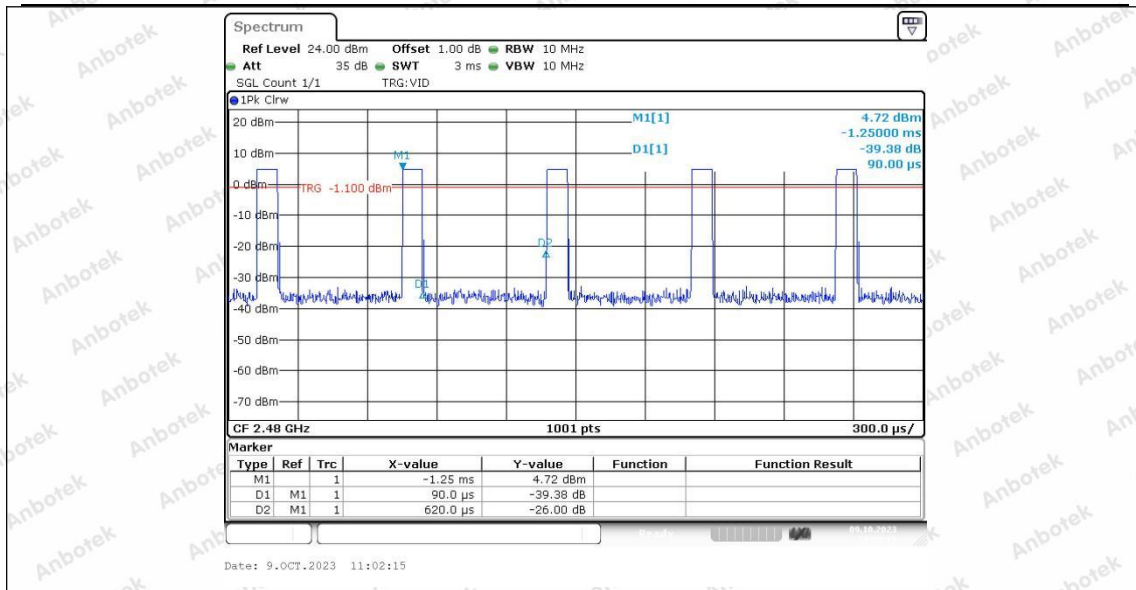


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## Test Graphs





---End---

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