

## Appendix Test Data

Report No.:	18220WC40026101	Test Sample No.:	1-2-2
Start Test Date:	2024.2.27	Finish Test Date:	2024.2.28
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25°C	Relative Humidity:	48%
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	0.716	2401.620	2402.336	0.5	PASS
		2440	0.720	2439.604	2440.324	0.5	PASS
		2480	0.716	2479.624	2480.340	0.5	PASS

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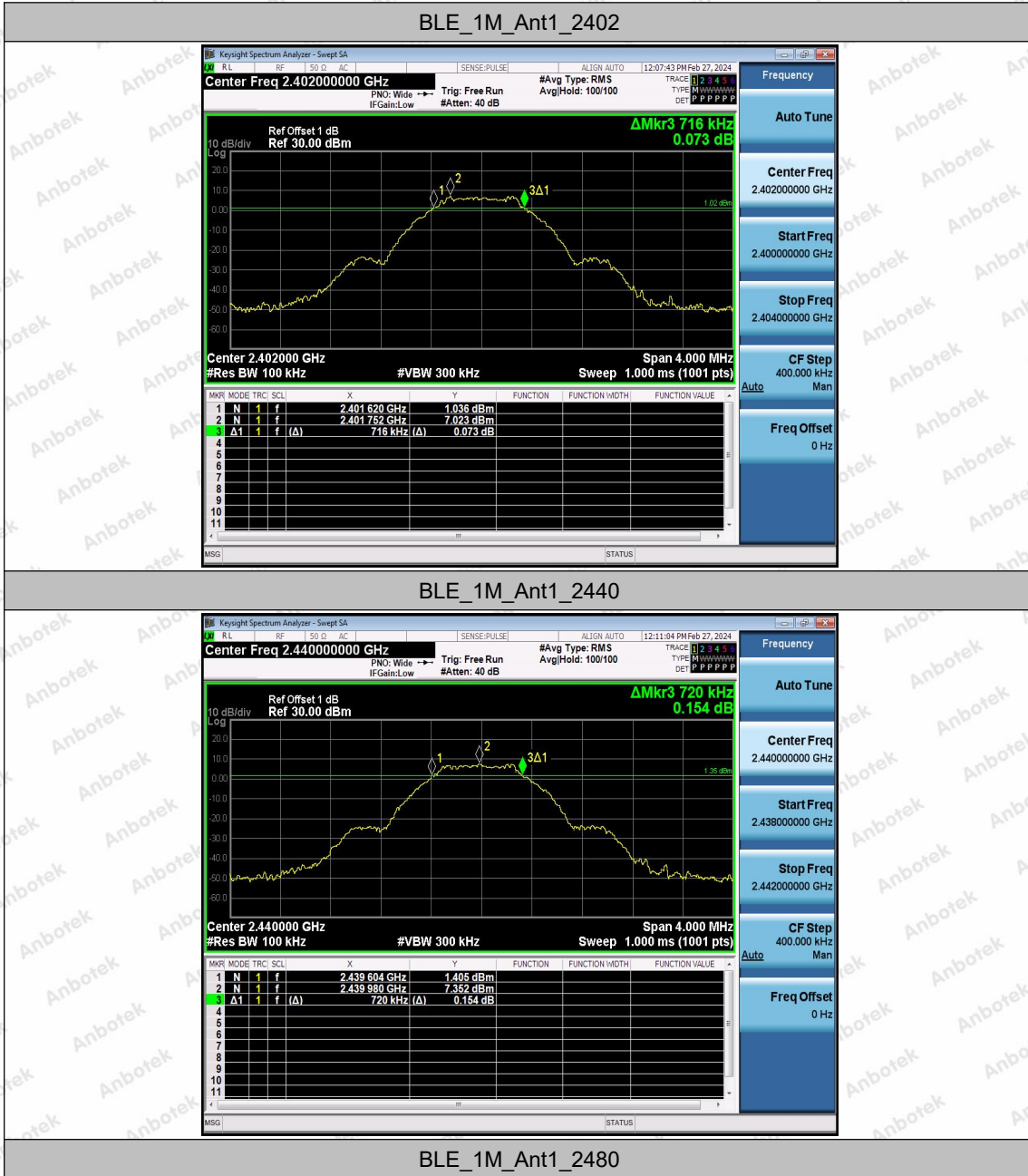
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## Test Graphs



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## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0331	2401.4687	2402.5018
		2440	1.0318	2439.4662	2440.4980
		2480	1.0246	2479.4721	2480.4967

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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	8.20	≤30	PASS
		2440	8.51	≤30	PASS
		2480	7.87	≤30	PASS

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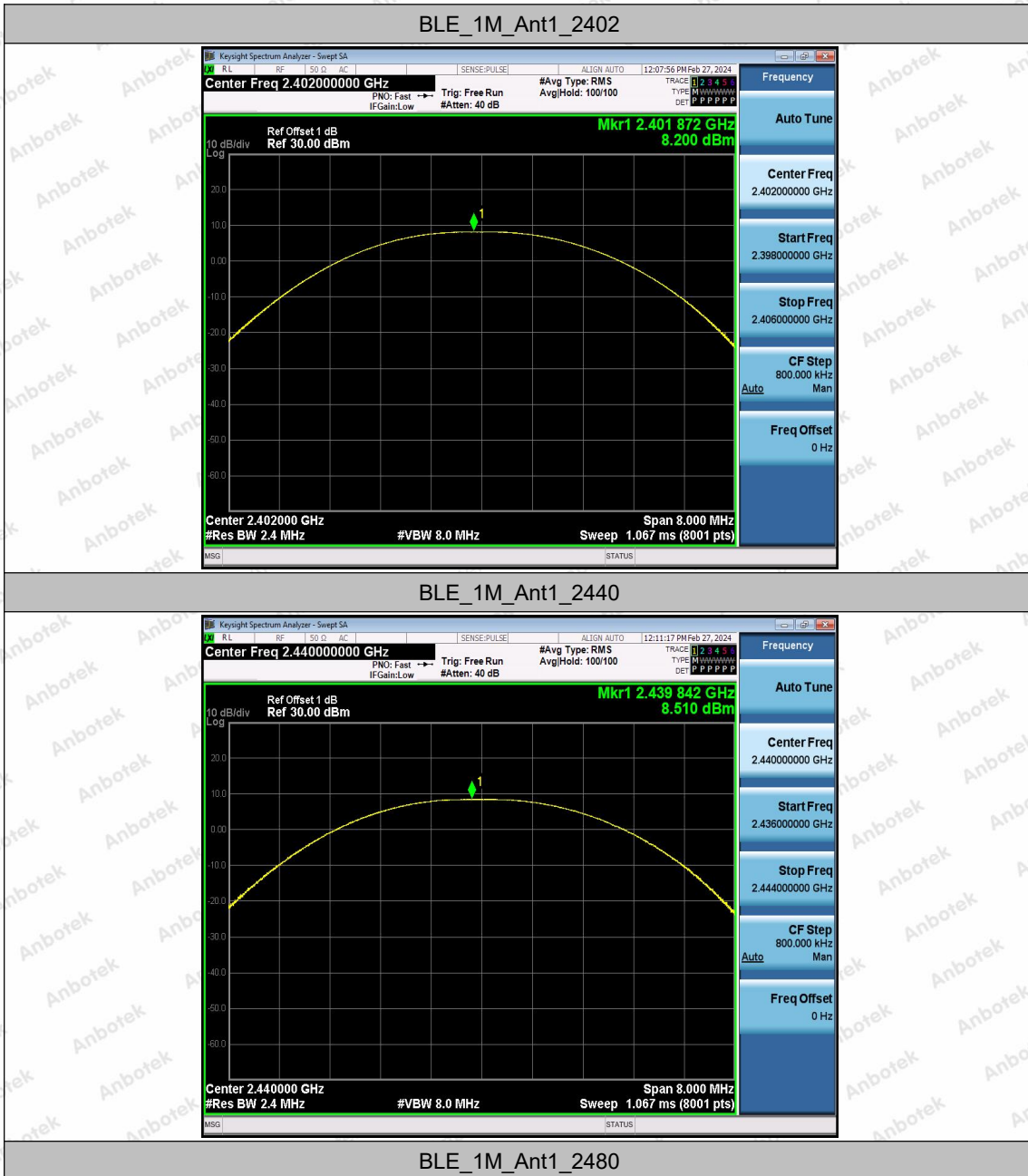
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## Test Graphs Peak



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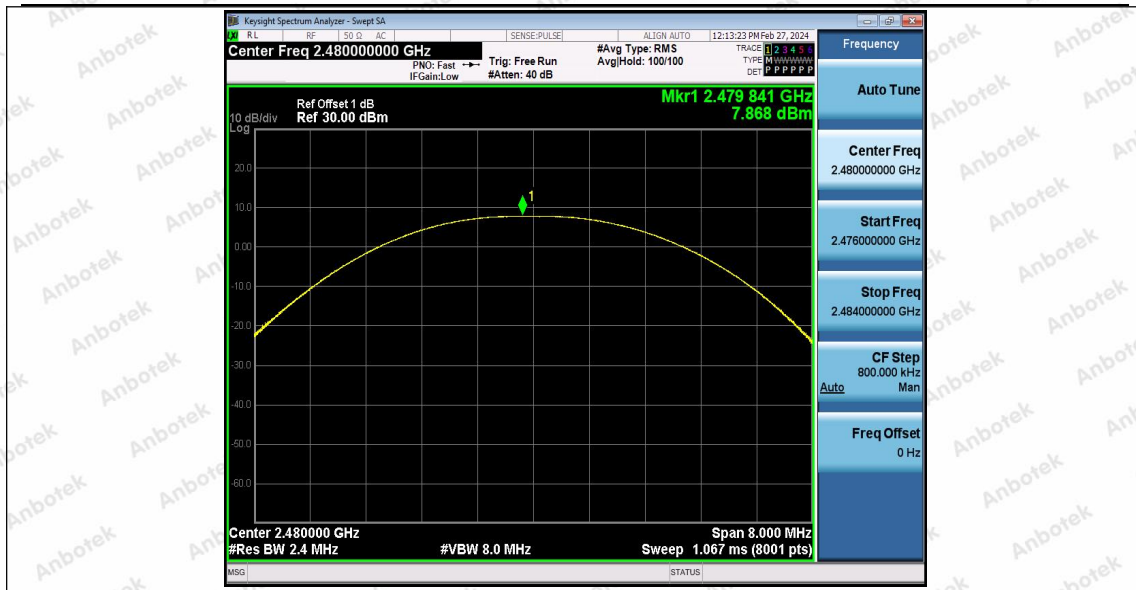
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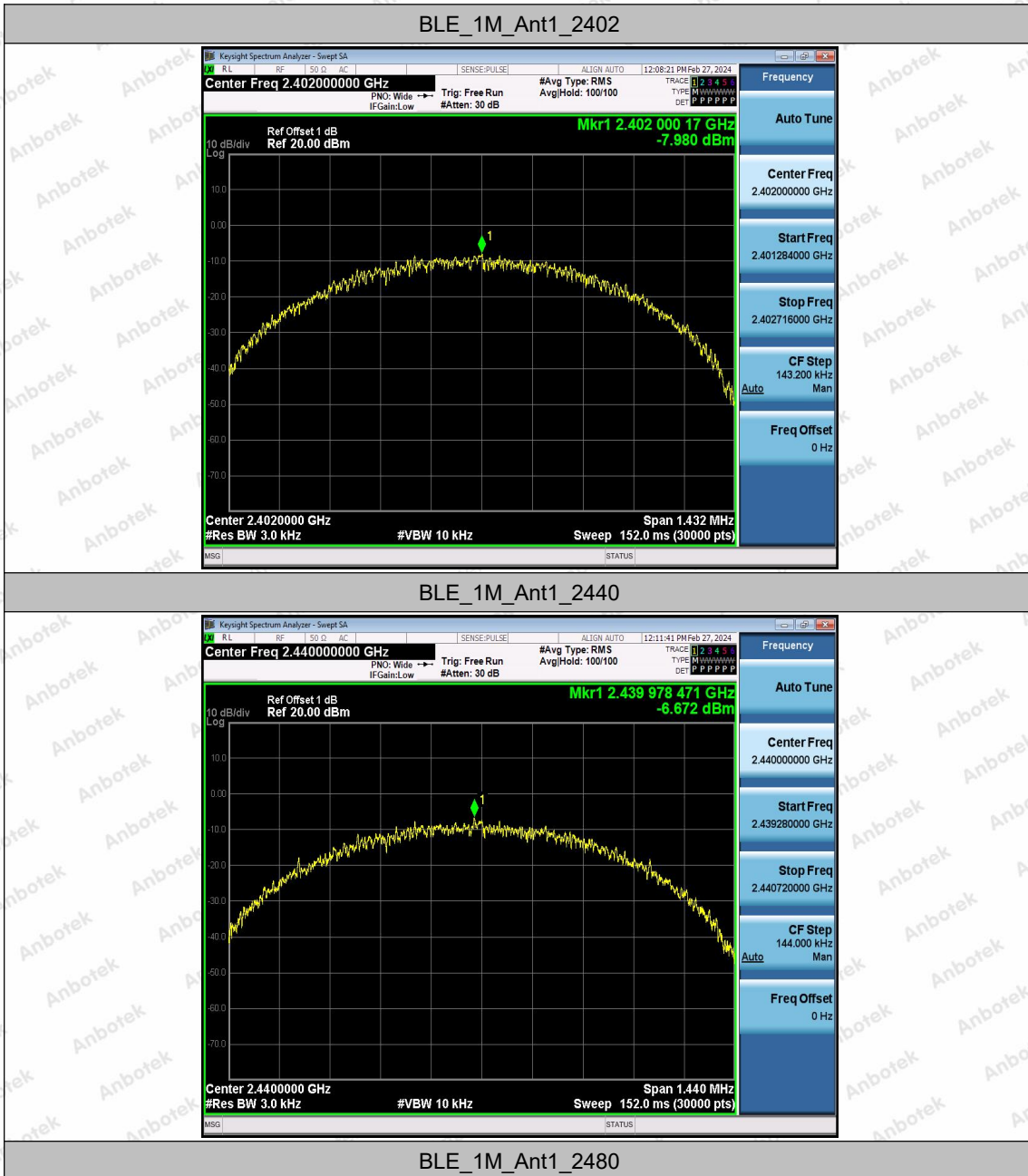
## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-7.98	≤8.00	PASS
		2440	<b>-6.67</b>	≤8.00	PASS
		2480	-8.11	≤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	7.92	-49.8	≤-12.08	PASS
		High	2480	6.75	-56.61	≤-13.25	PASS

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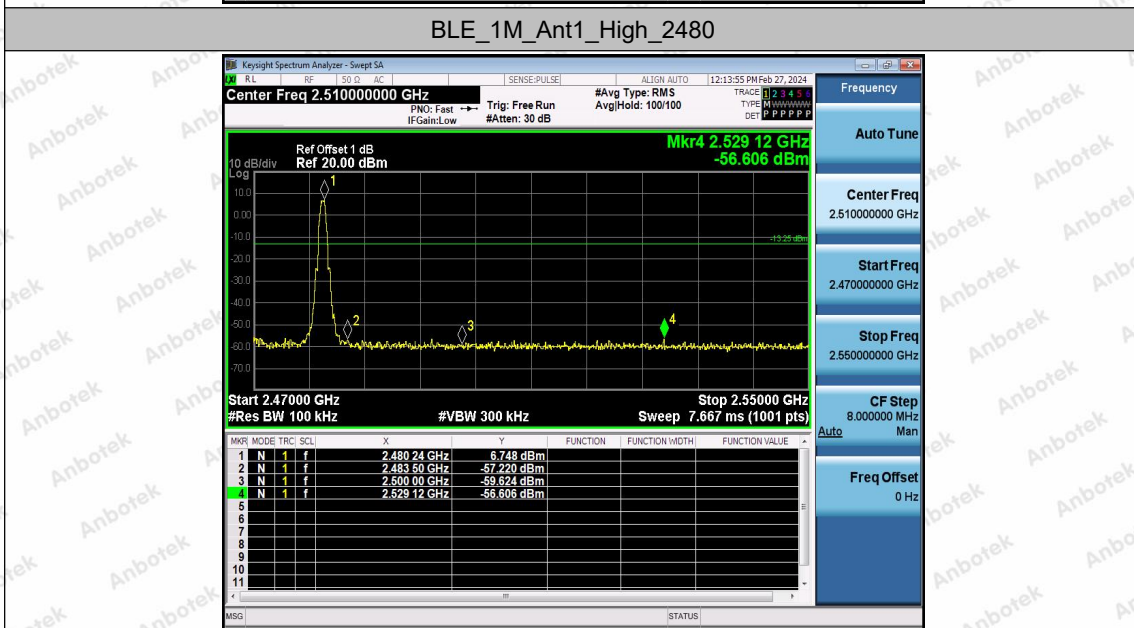
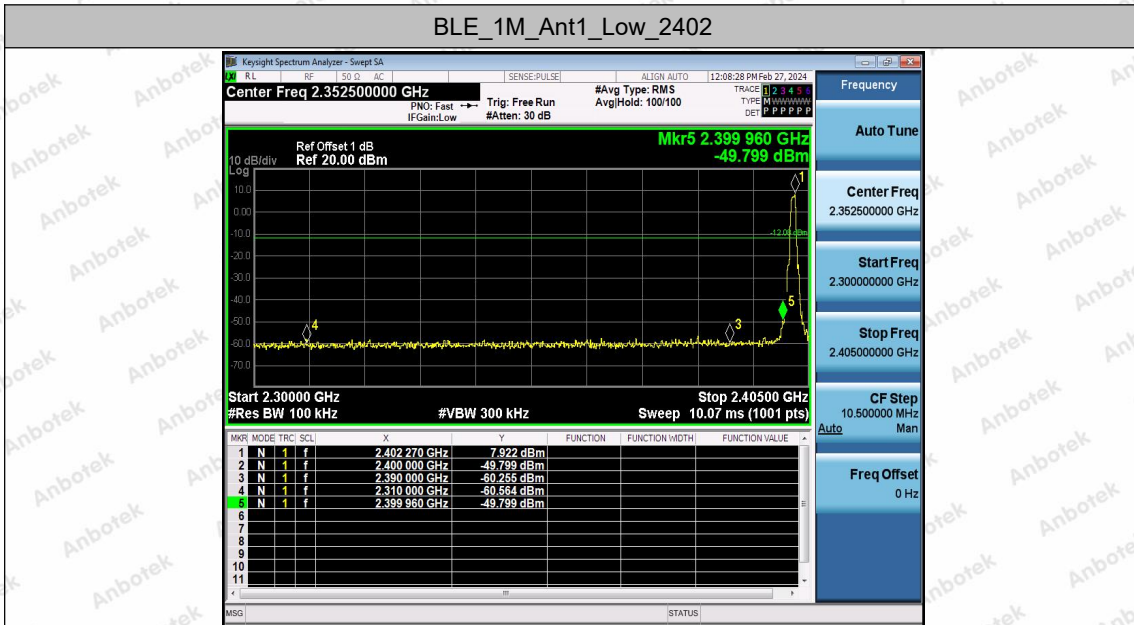
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## Test Graphs



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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	6.10	6.10	---	PASS
			30~1000	6.10	-66.53	≤-13.9	PASS
			1000~26500	6.10	-44.42	≤-13.9	PASS
		2440	Reference	7.41	7.41	---	PASS
			30~1000	7.41	-66.07	≤-12.59	PASS
			1000~26500	7.41	-50.06	≤-12.59	PASS
		2480	Reference	6.39	6.39	---	PASS
			30~1000	6.39	-65.88	≤-13.61	PASS
			1000~26500	6.39	-49.64	≤-13.61	PASS

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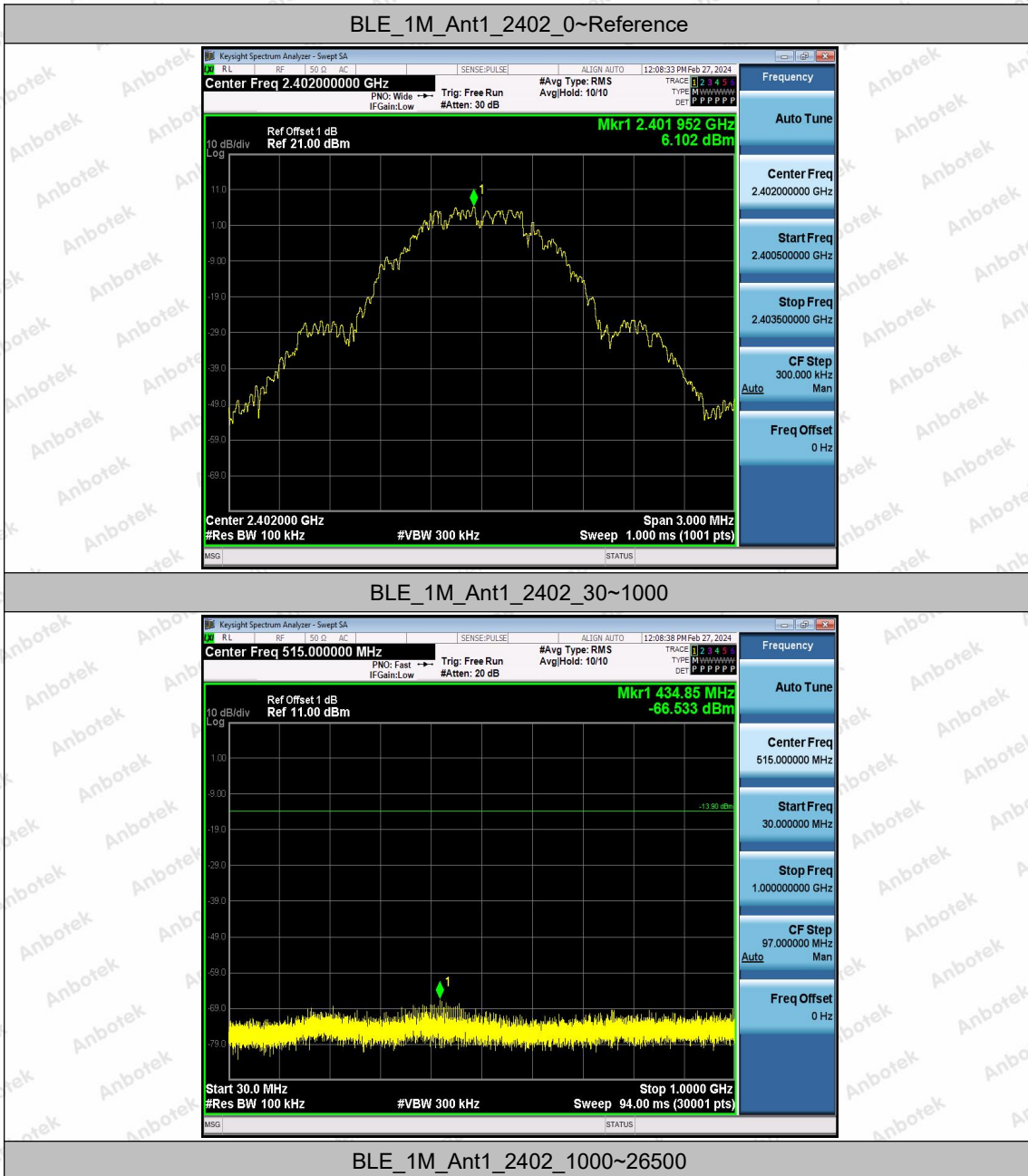
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## Test Graphs



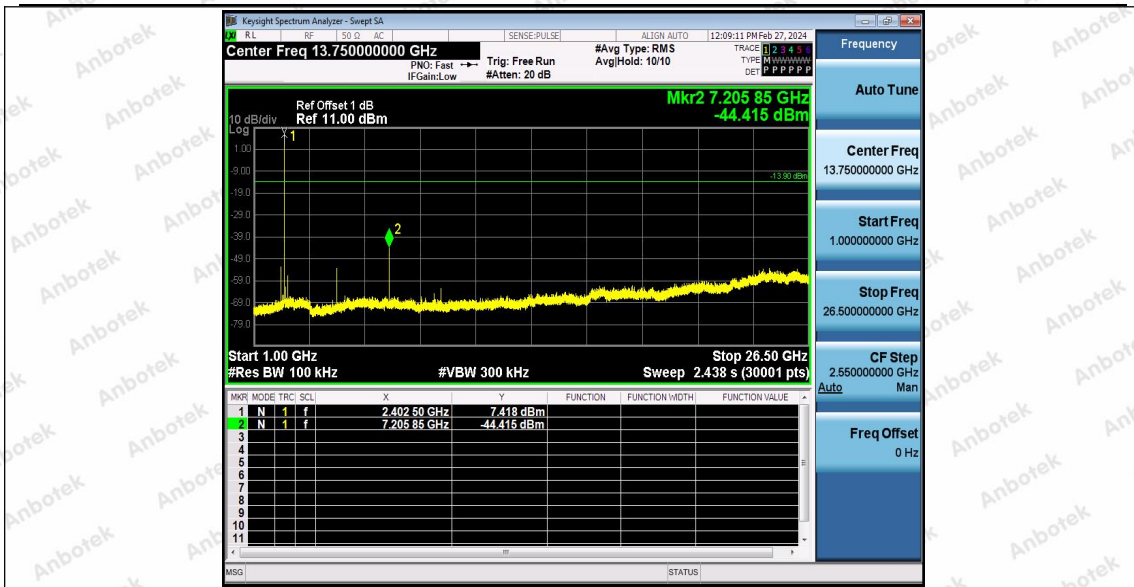
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BLE\_1M\_Ant1\_2440\_0~Reference



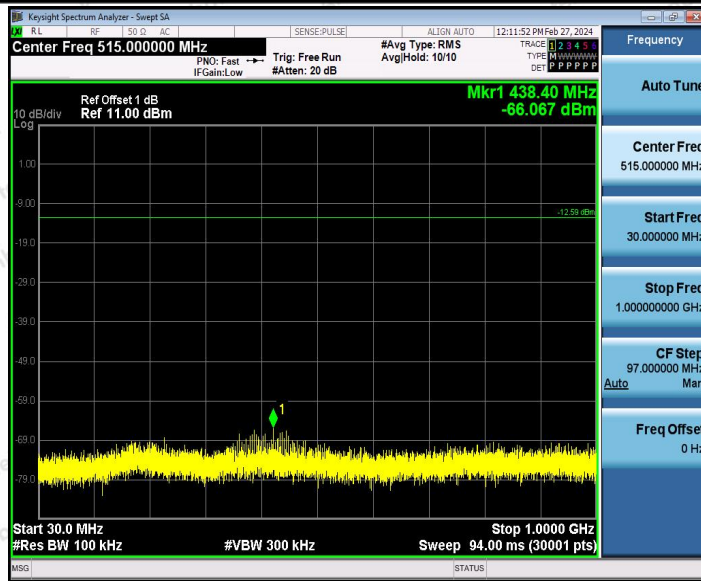
BLE\_1M\_Ant1\_2440\_30~1000

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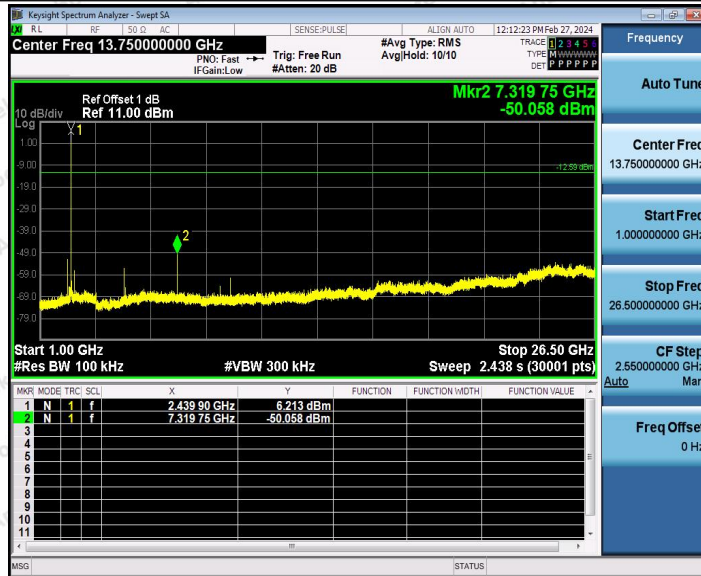
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BLE\_1M\_Ant1\_2440\_1000~26500



BLE\_1M\_Ant1\_2480\_0~Reference

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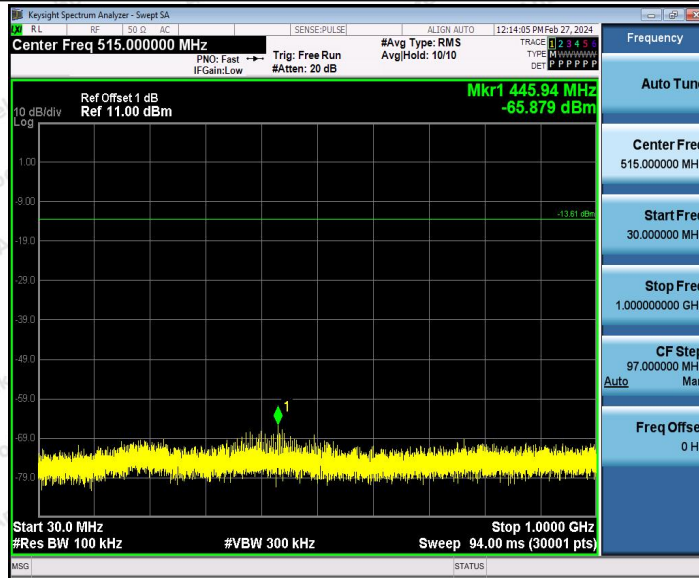
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BLE\_1M\_Ant1\_2480\_30~1000



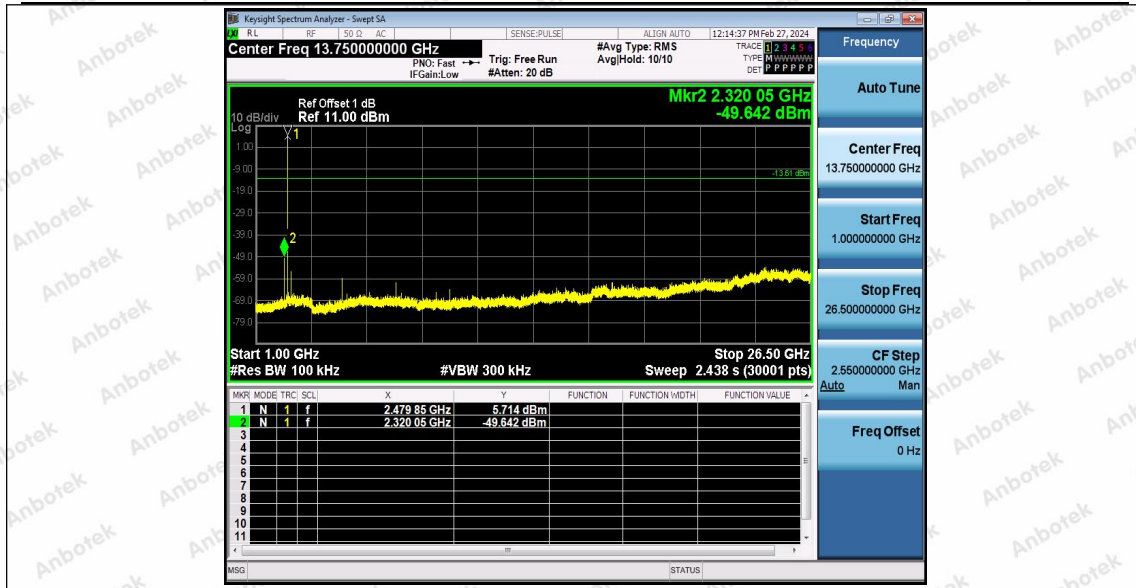
BLE\_1M\_Ant1\_2480\_1000~26500

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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	2.13	2.50	85.20	0.70
		2440	2.13	2.50	85.20	0.70
		2480	2.13	2.50	85.20	0.70

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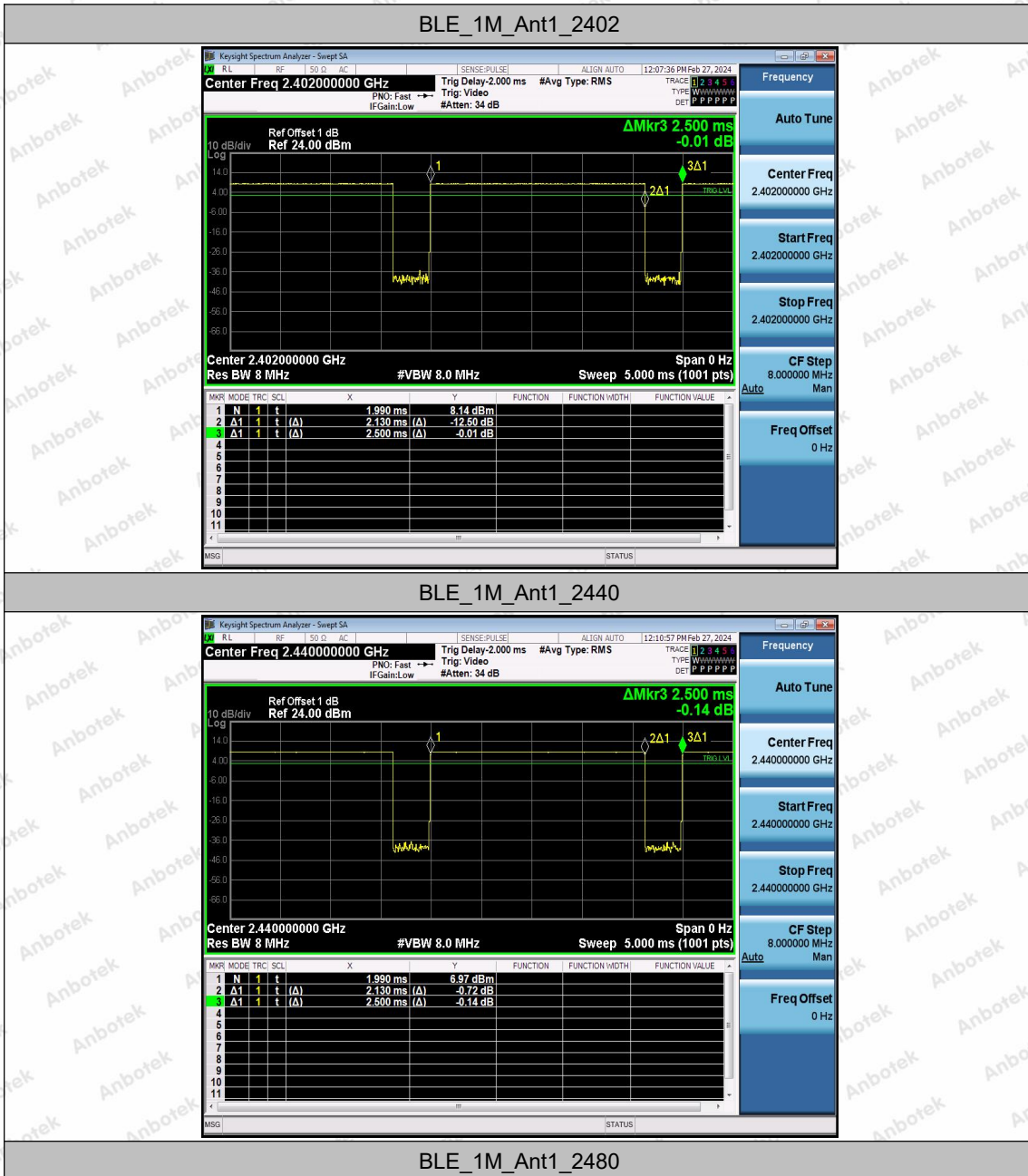
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## Test Graphs



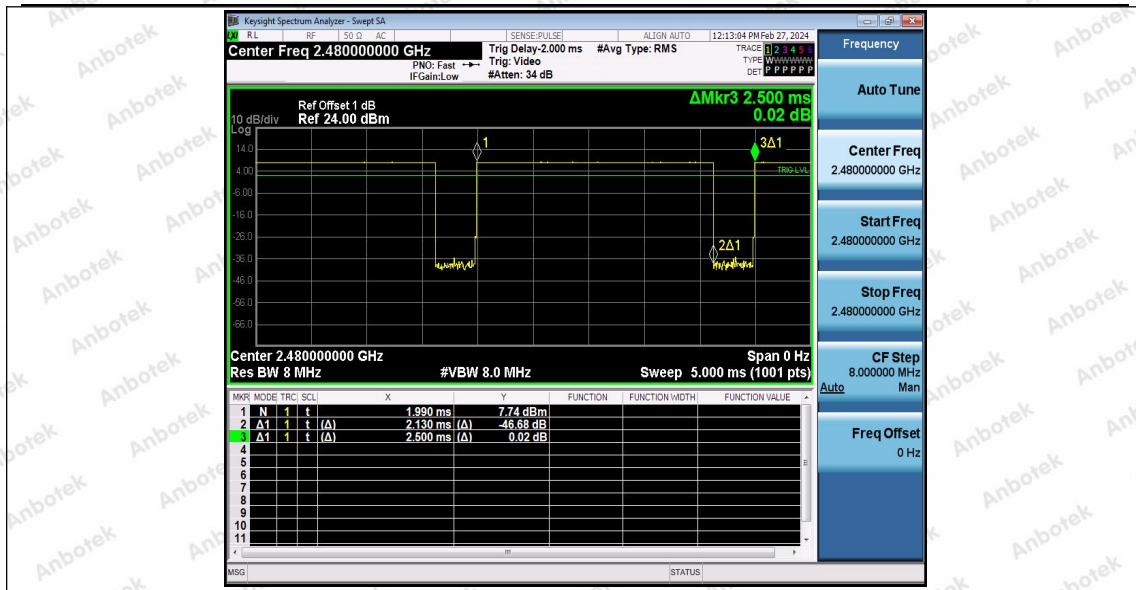
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