

## Appendix Test Data

Report No.:	18220WC30007801	Test Sample No.:	1-2-2
Start Test Date:	2023.1.29	Finish Test Date:	2023.1.31
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	23.3°C	Relative Humidity:	40 %
Pressure:	1012 hPa		

## Appendix A: DTS Bandwidth

## Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.708	2401.652	2402.360	0.5	PASS
		2440	0.704	2439.652	2440.356	0.5	PASS
		2480	0.700	2479.656	2480.356	0.5	PASS

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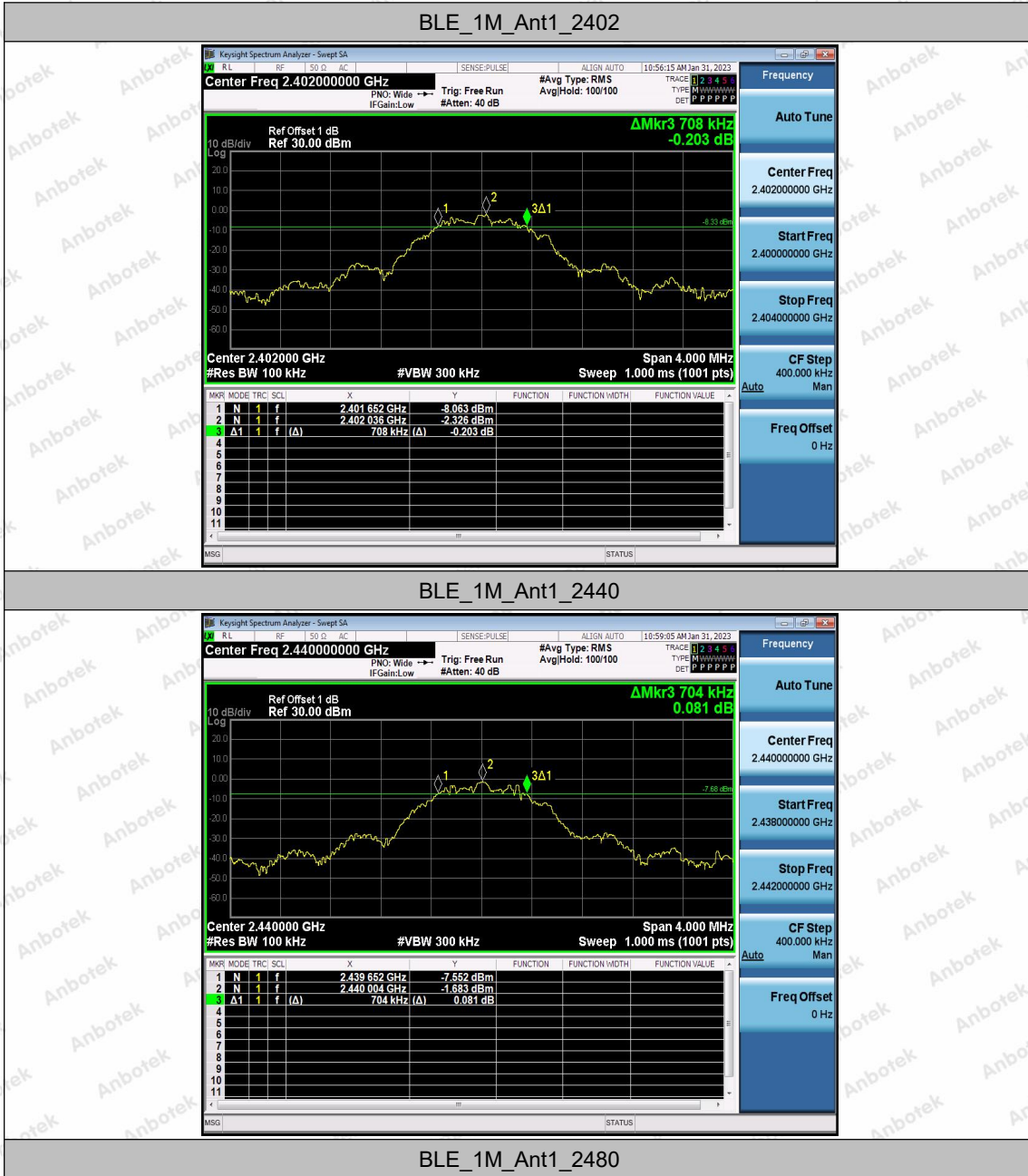
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## Test Graphs



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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	1.1113	2401.4485	2402.5598
		2440	1.1151	2439.4429	2440.5580
		2480	1.1128	2479.4441	2480.5569

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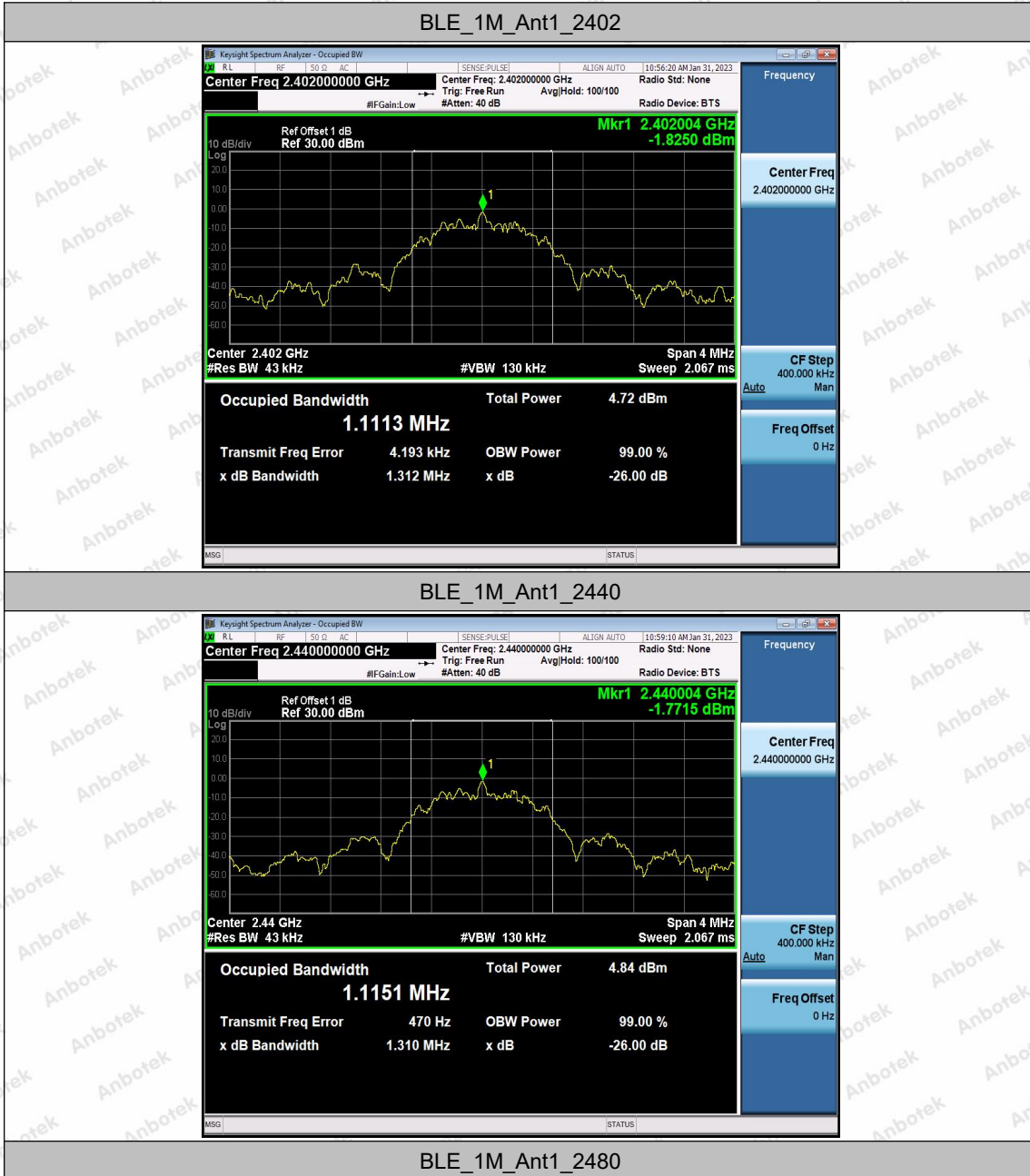
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## Test Graphs



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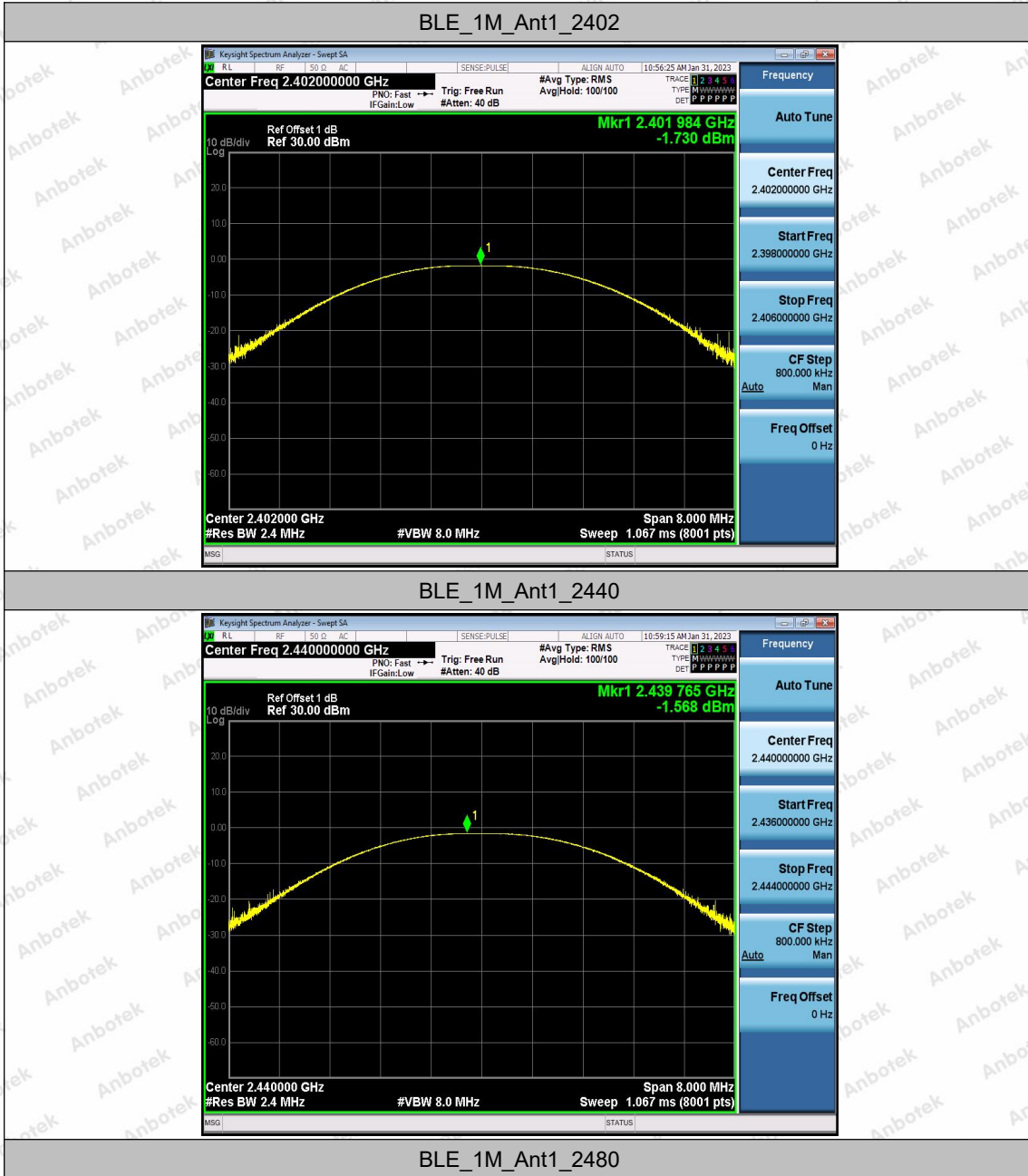
## Appendix C: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.73	≤30	PASS
		2440	-1.57	≤30	PASS
		2480	-1.02	≤30	PASS



## Test Graphs Peak



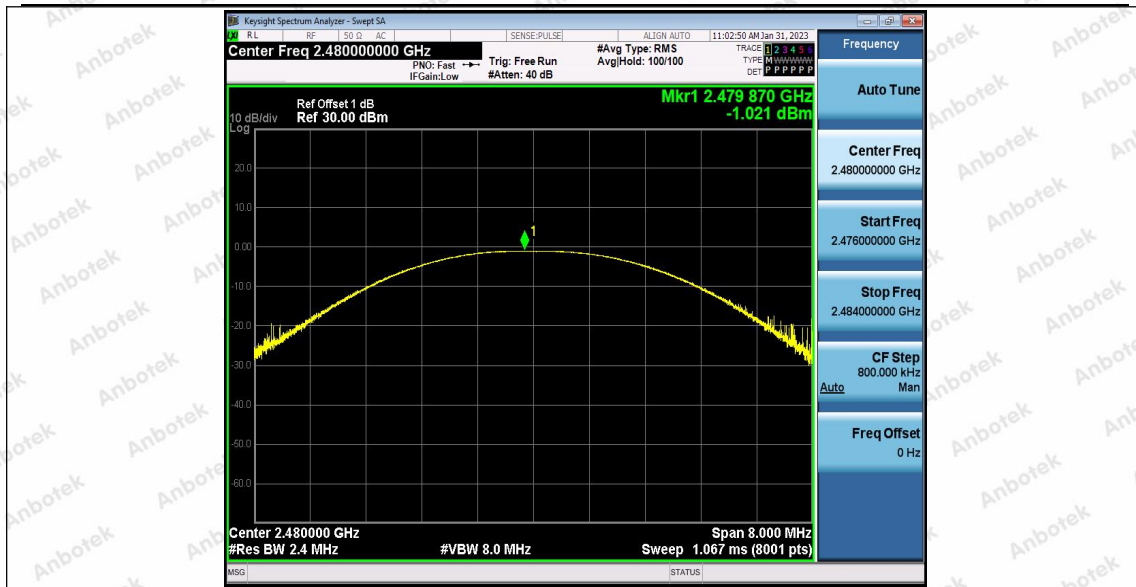
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## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.93	≤8.00	PASS
		2440	-9.48	≤8.00	PASS
		2480	-9.53	≤8.00	PASS

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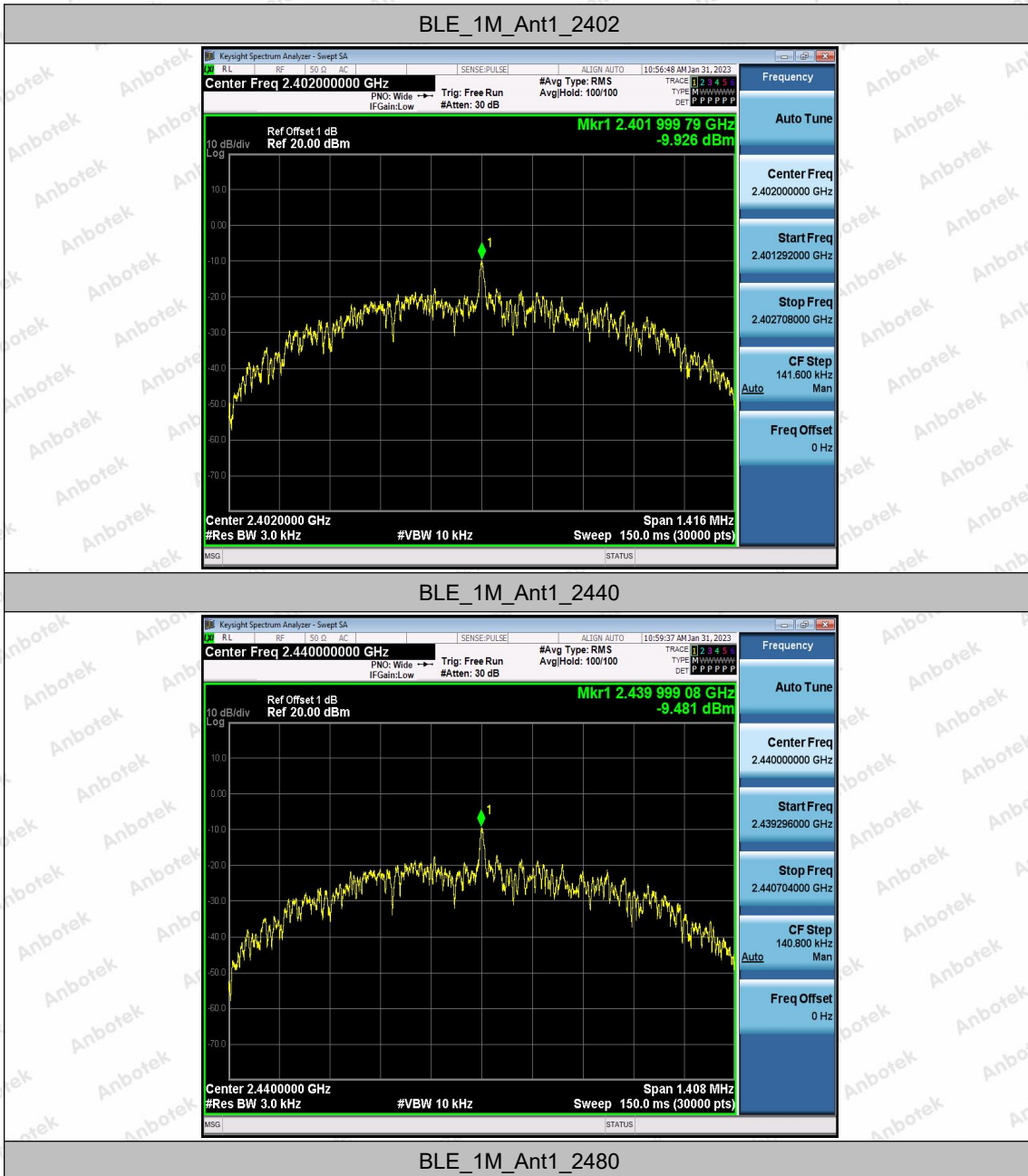
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## Test Graphs



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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	-1.60	-36.4	≤-21.6	PASS
		High	2480	-1.08	-32.33	≤-21.08	PASS

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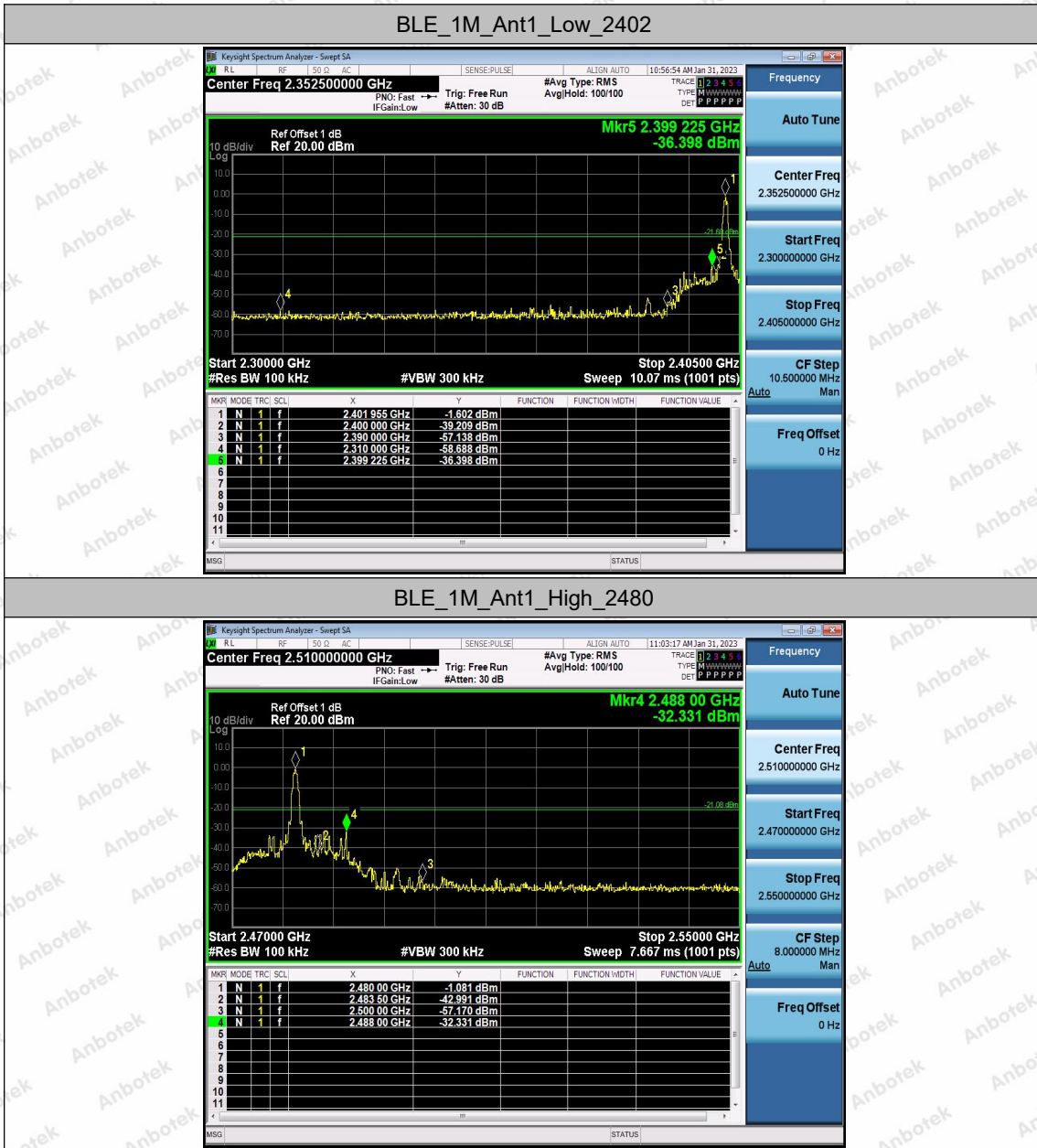
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## Test Graphs



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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	-4.53	-4.53	---	PASS
			30~1000	-4.53	-63.4	≤-24.53	PASS
			1000~26500	-4.53	-39.24	≤-24.53	PASS
		2440	Reference	-5.02	-5.02	---	PASS
			30~1000	-5.02	-63.48	≤-25.02	PASS
			1000~26500	-5.02	-41.52	≤-25.02	PASS
		2480	Reference	-3.27	-3.27	---	PASS
			30~1000	-3.27	-62.7	≤-23.27	PASS
			1000~26500	-3.27	-46.74	≤-23.27	PASS

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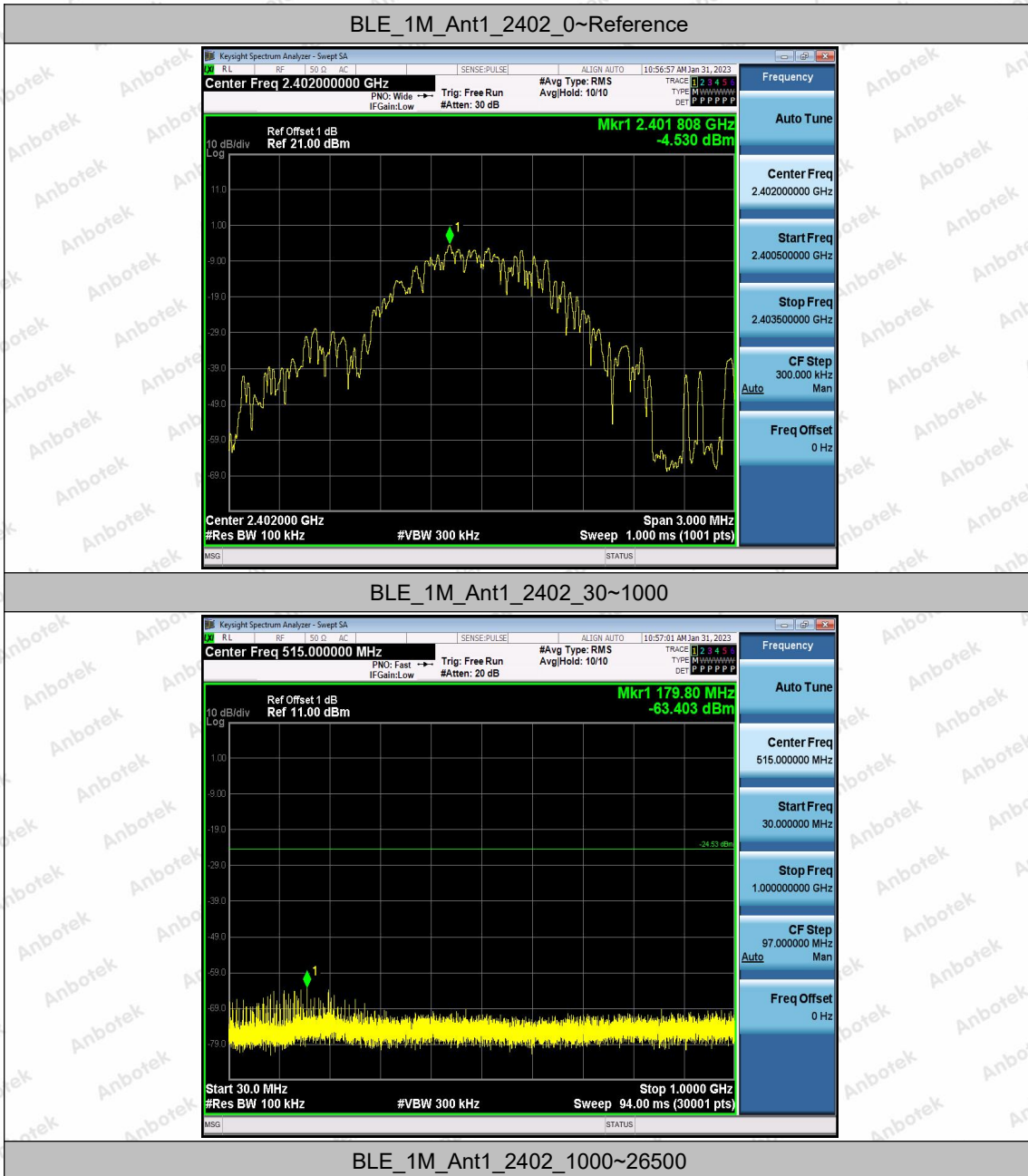
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## Test Graphs

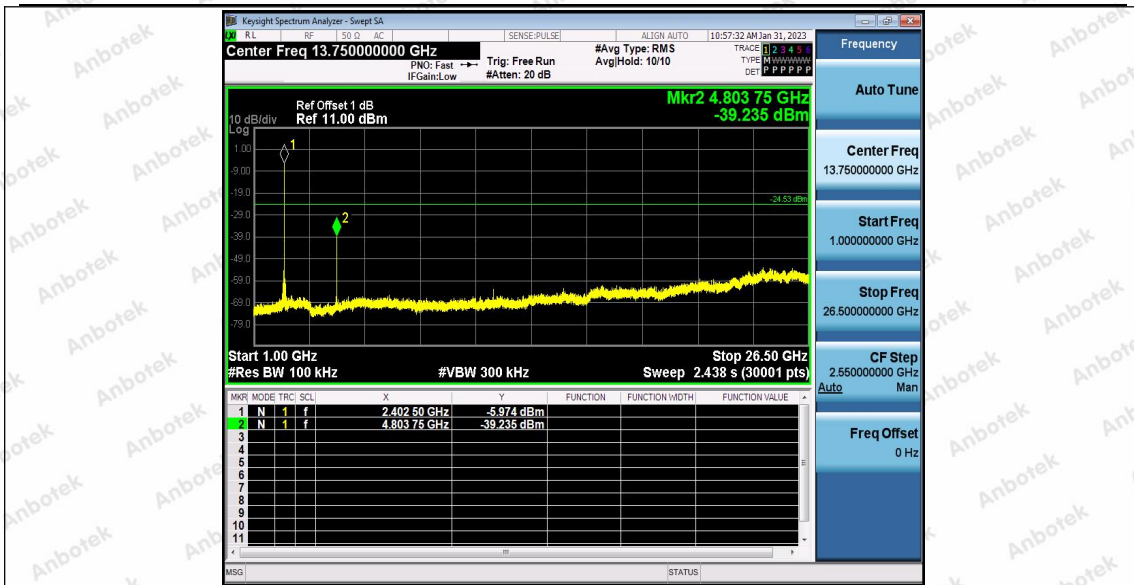


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BLE\_1M\_Ant1\_2440\_0~Reference



BLE\_1M\_Ant1\_2440\_30~1000

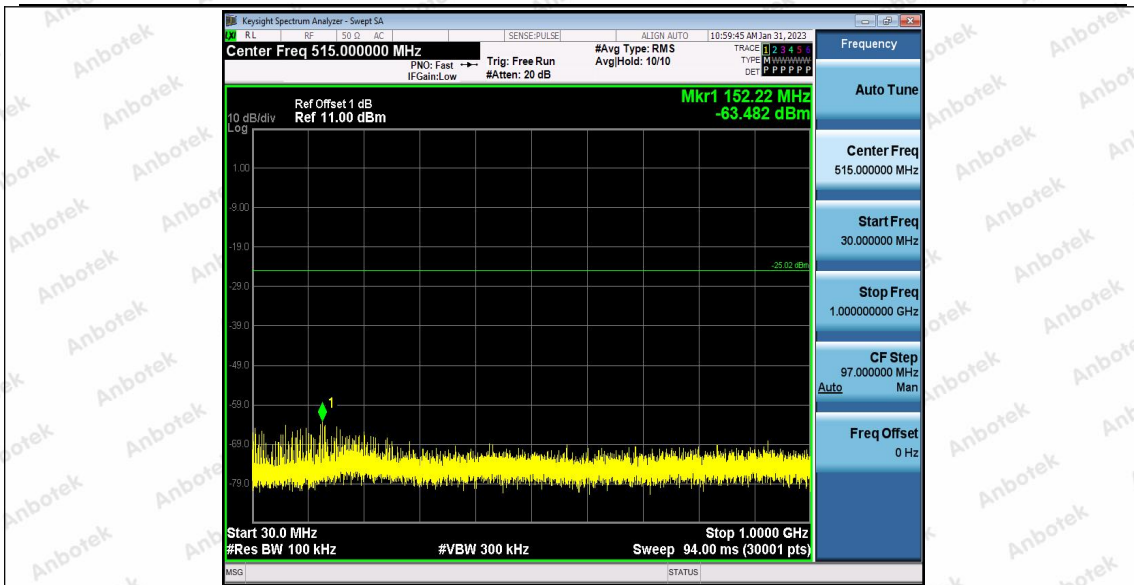
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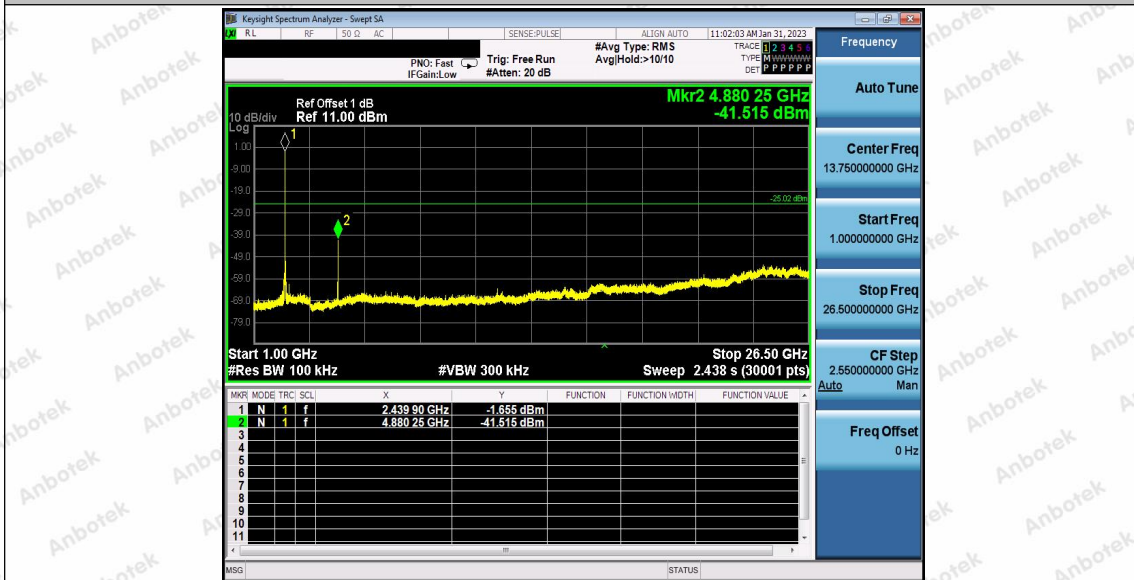
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BLE\_1M\_Ant1\_2440\_1000~26500



BLE\_1M\_Ant1\_2480\_0~Reference

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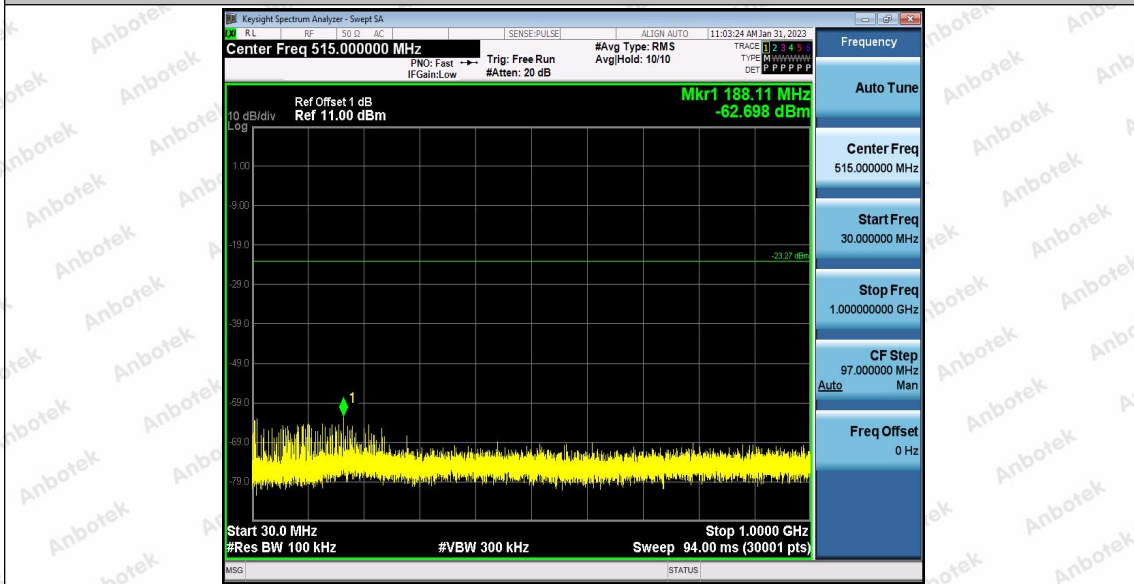
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BLE\_1M\_Ant1\_2480\_30~1000



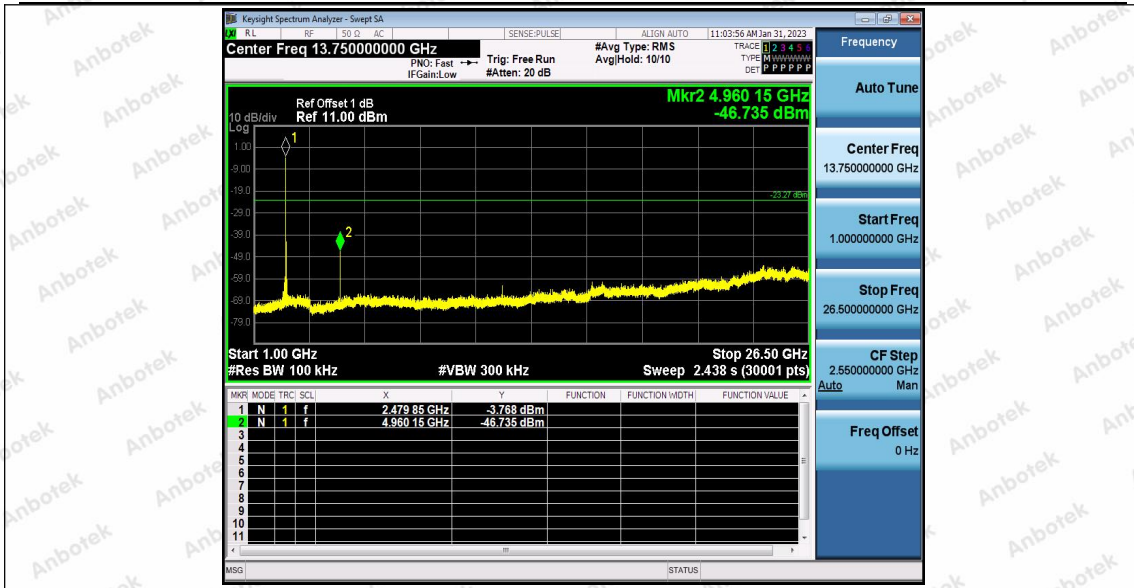
BLE\_1M\_Ant1\_2480\_1000~26500

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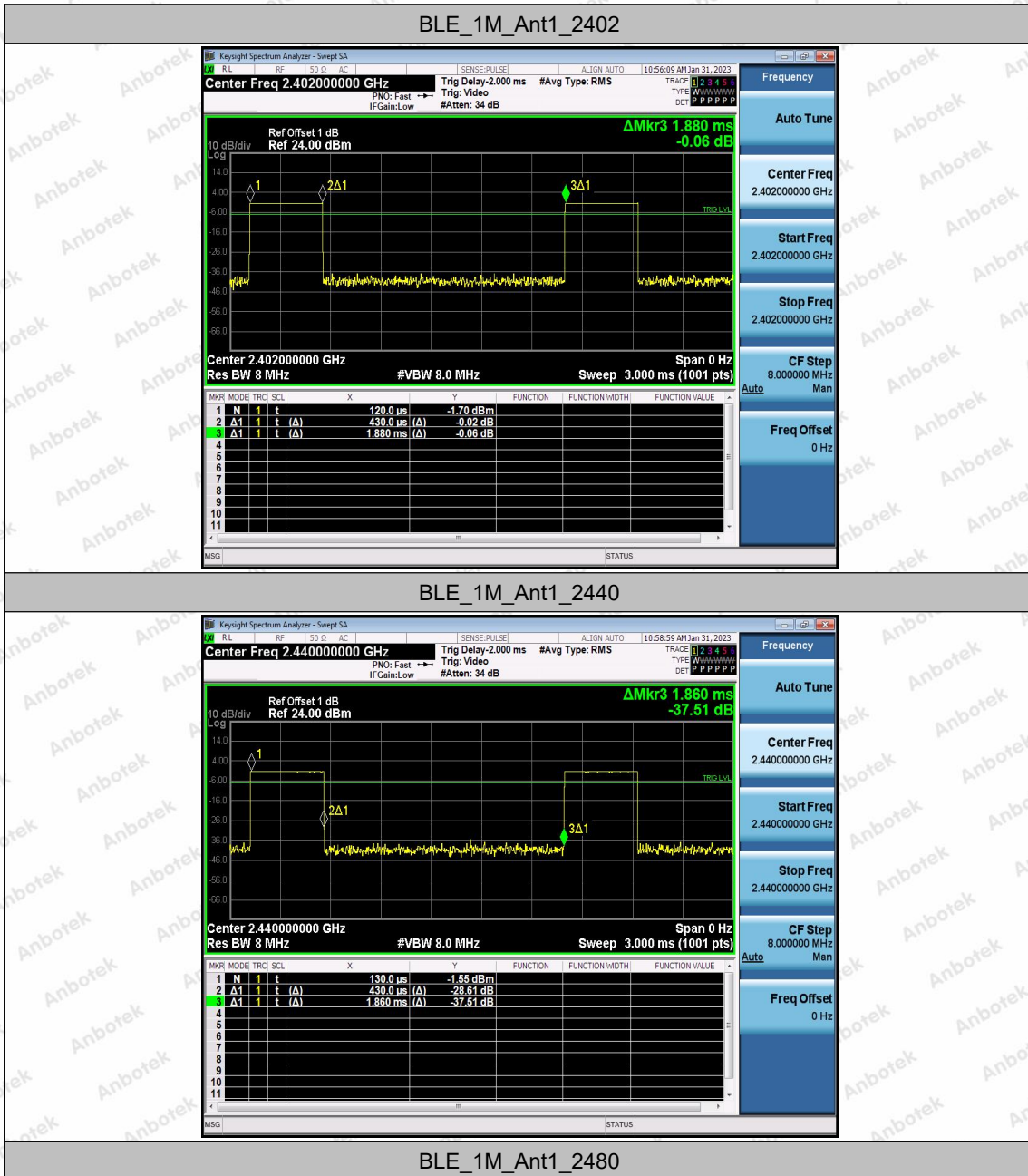
## Appendix G: Duty Cycle

### Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.43	1.88	22.87	6.41
		2440	0.43	1.86	23.12	6.36
		2480	0.43	1.87	22.99	6.38



## Test Graphs

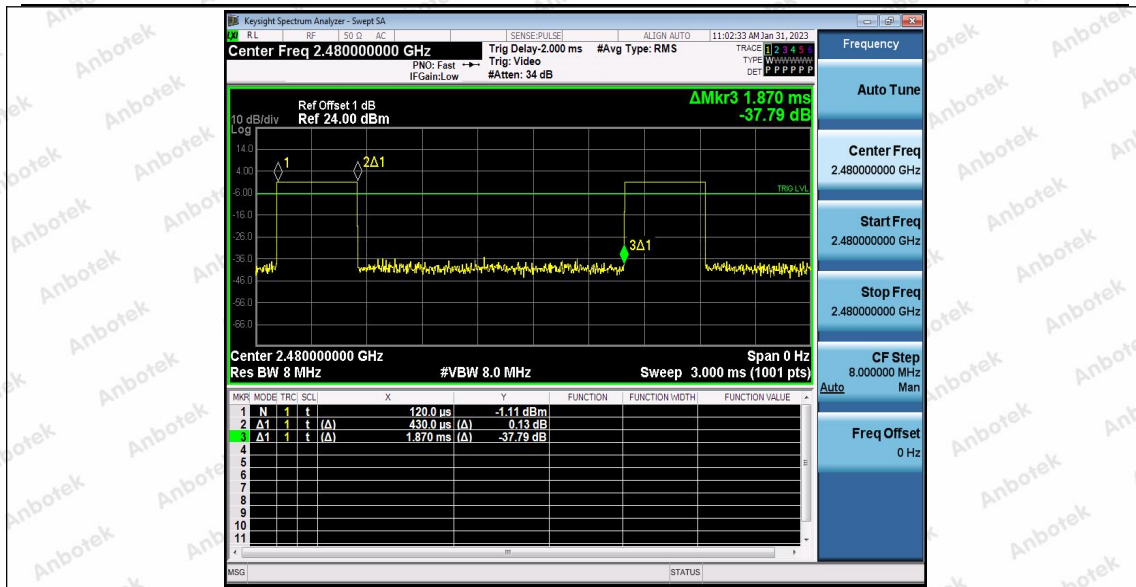


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