

## Appendix Test Data

Report No.:	18220WC40026001	Test Sample No.:	1-2-2
Start Test Date:	2024.2.27	Finish Test Date:	2024.2.27
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.3°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	0.684	2401.640	2402.324	0.5	PASS
		2440	0.724	2439.624	2440.348	0.5	PASS
		2480	0.672	2479.656	2480.328	0.5	PASS

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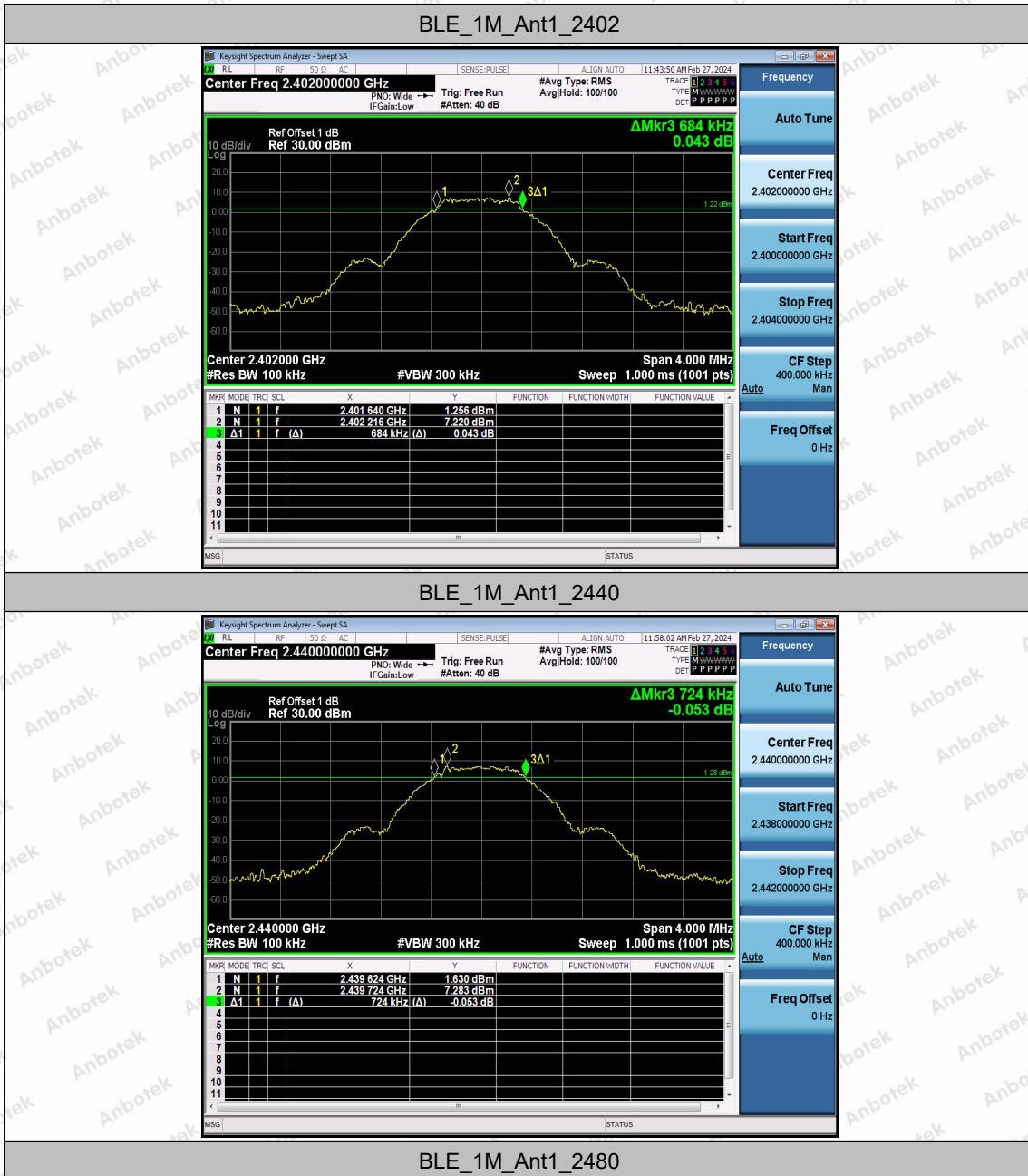
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## Test Graphs

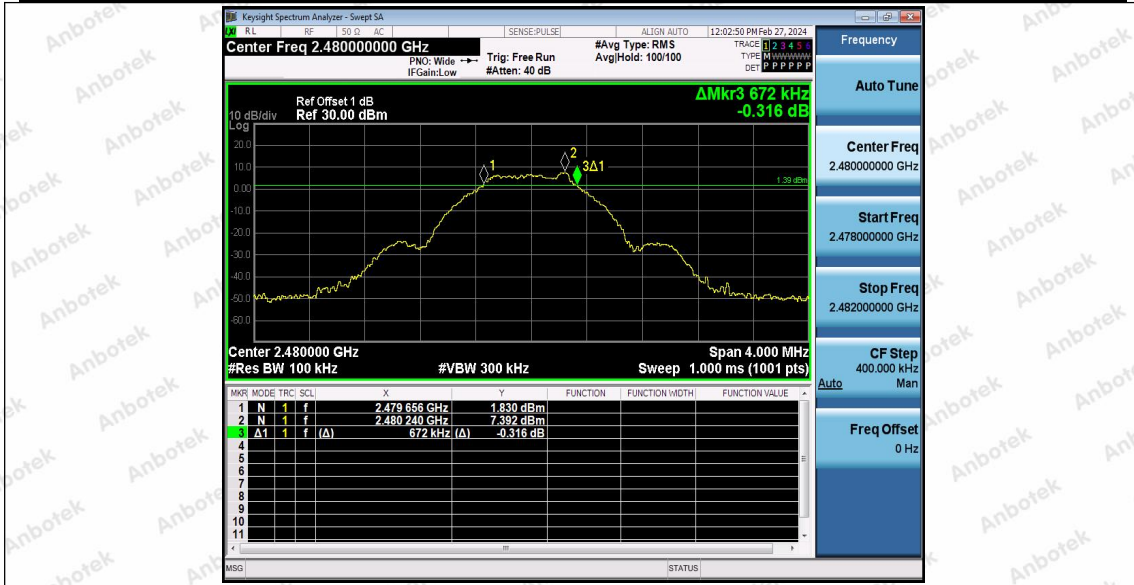


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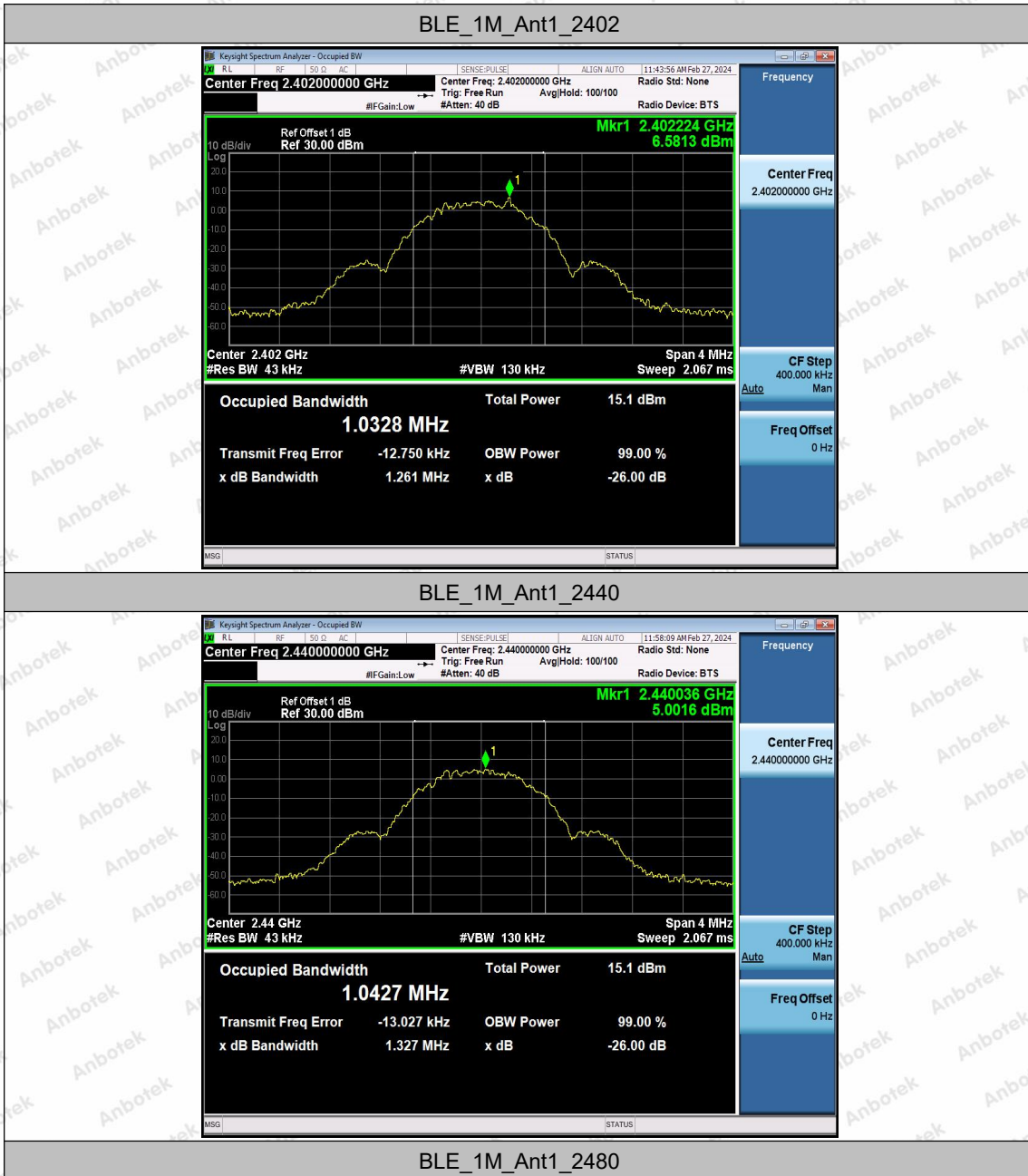
## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0328	2401.4709	2402.5037
		2440	1.0427	2439.4656	2440.5083
		2480	1.0254	2479.4691	2480.4945



## Test Graphs



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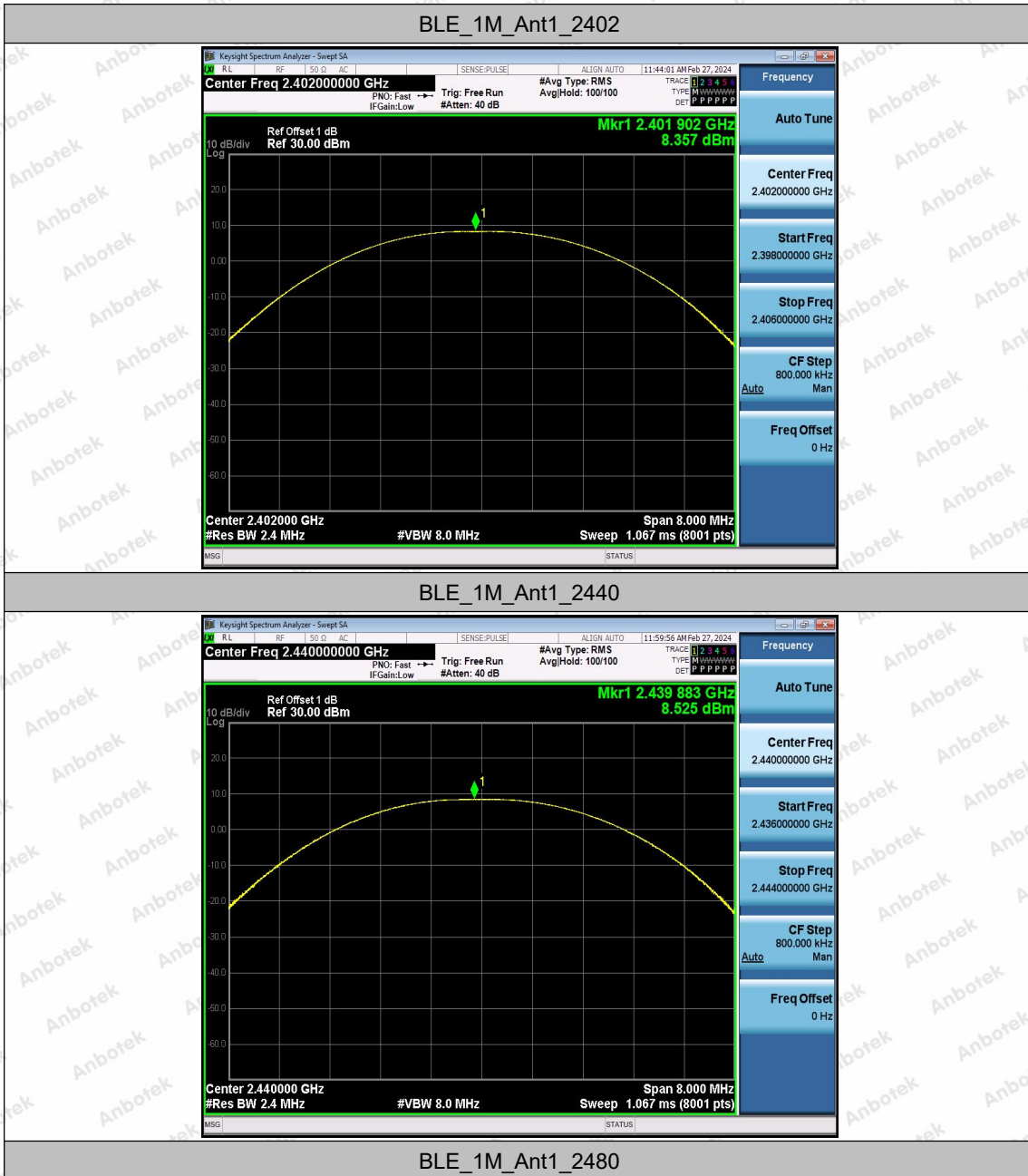
## Appendix C: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	8.36	≤30	PASS
		2440	<b>8.53</b>	≤30	PASS
		2480	7.85	≤30	PASS



## Test Graphs Peak



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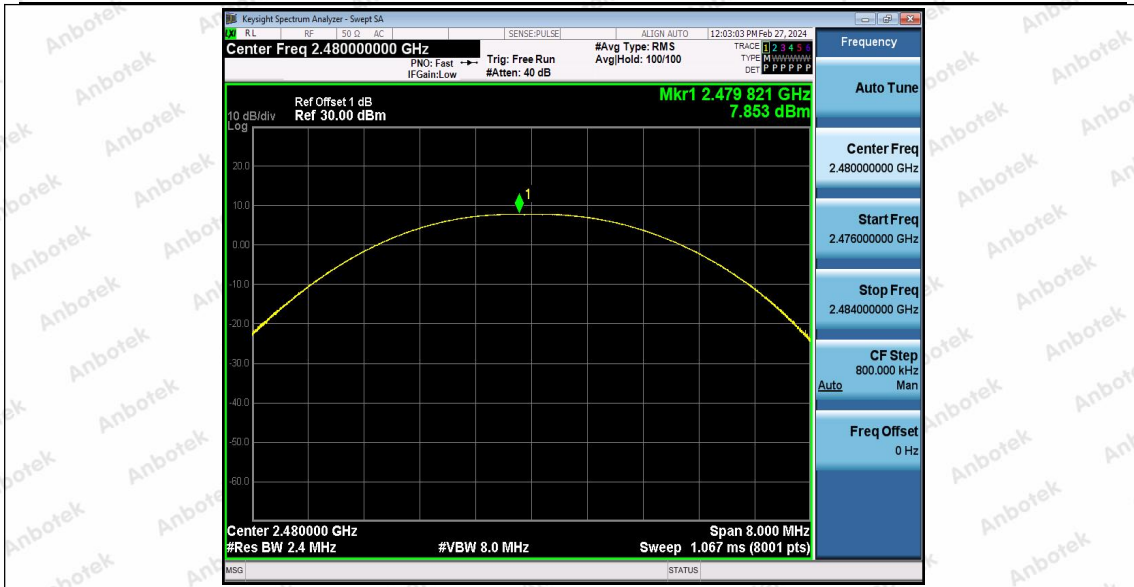
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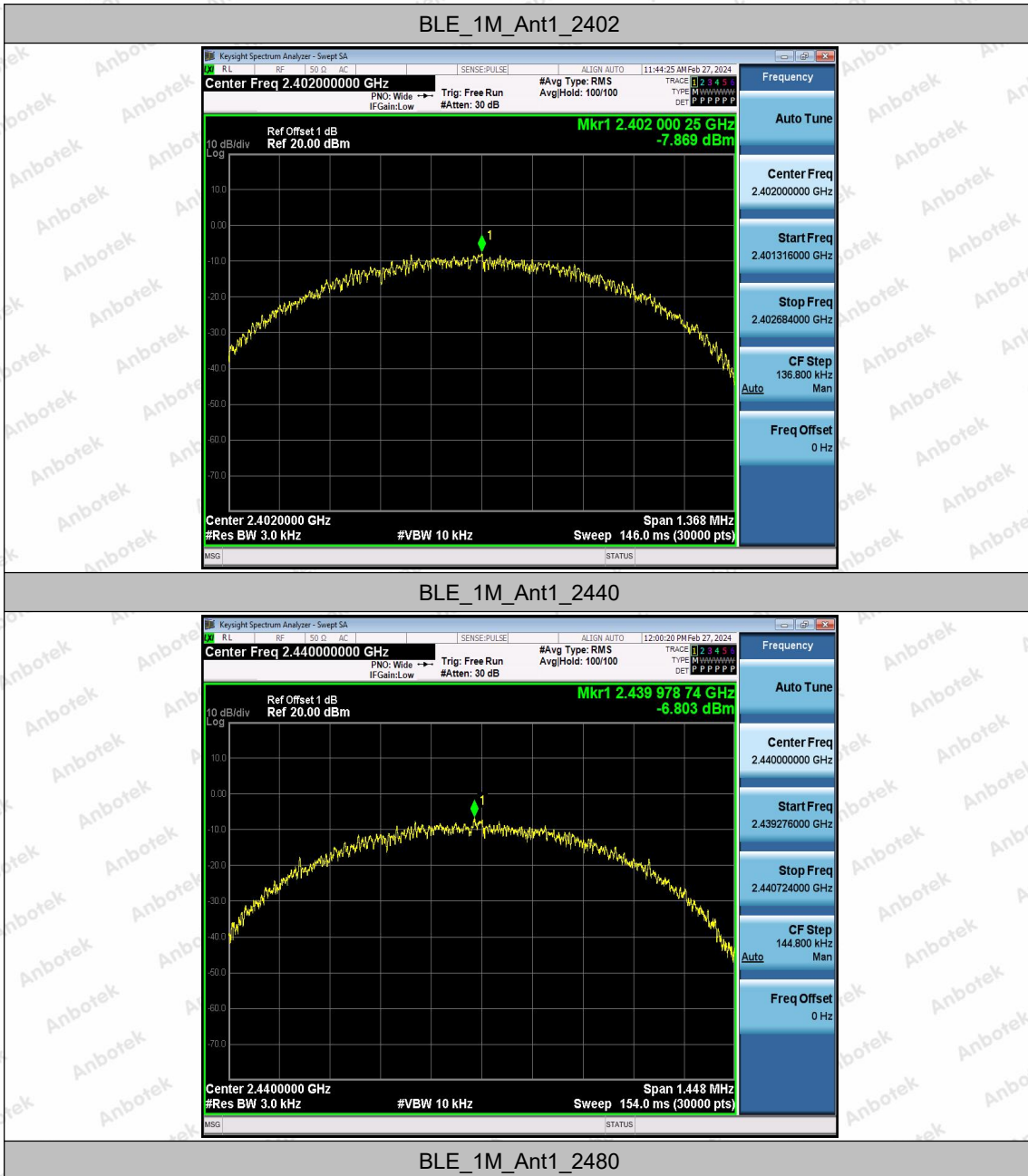
## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-7.87	≤8.00	PASS
		2440	-6.80	≤8.00	PASS
		2480	-7.82	≤8.00	PASS



## Test Graphs

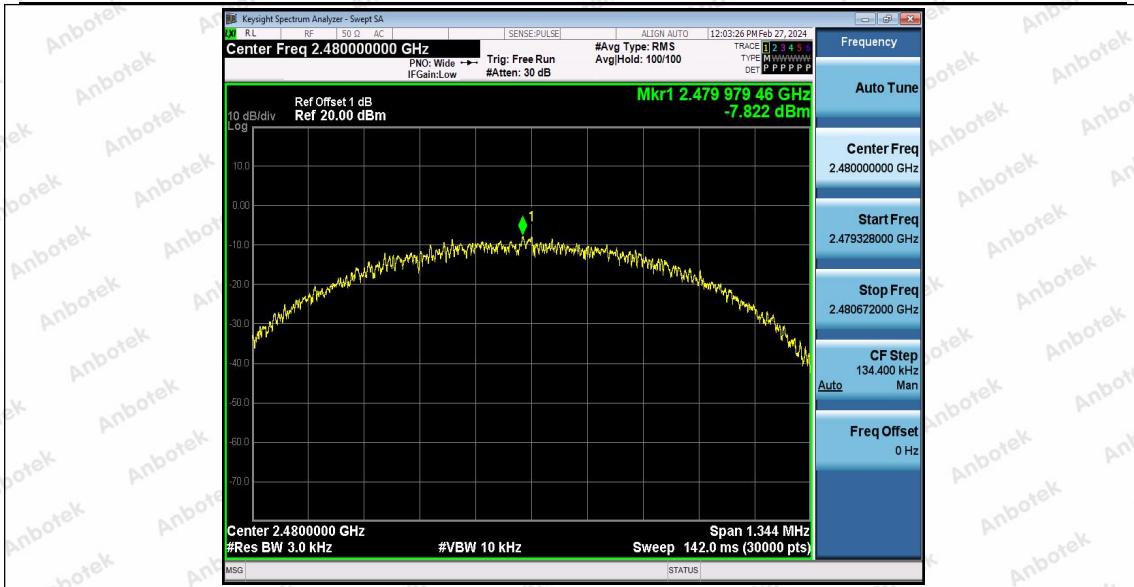


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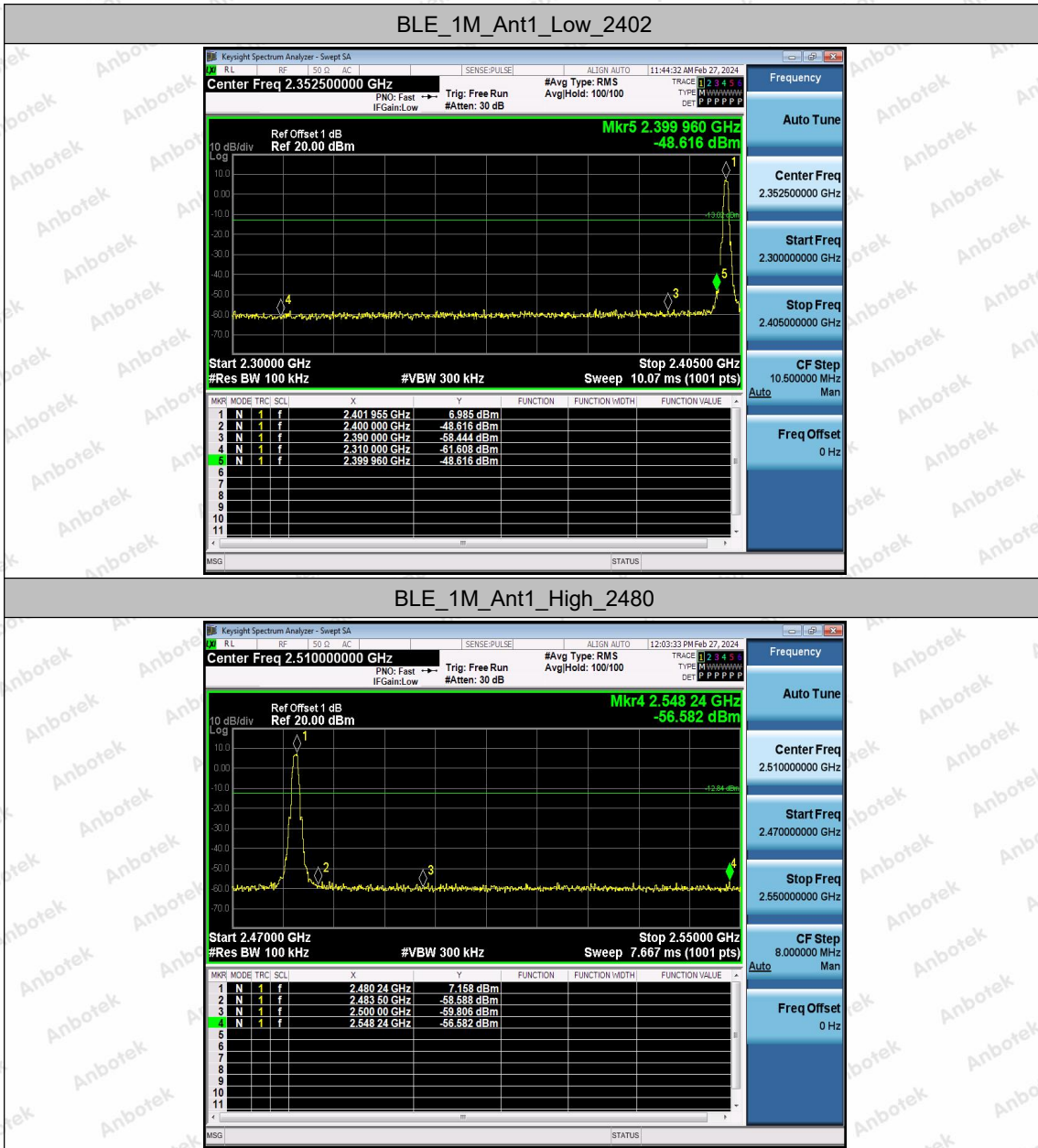
## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.99	-48.62	≤-13.02	PASS
		High	2480	7.16	-56.58	≤-12.84	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
BLE_1M	Ant1	2402	Reference	6.82	6.82	---	PASS
			30~1000	6.82	-66.83	≤-13.18	PASS
			1000~26500	6.82	-42.76	≤-13.18	PASS
		2440	Reference	7.15	7.15	---	PASS
			30~1000	7.15	-66.37	≤-12.85	PASS
			1000~26500	7.15	-40.94	≤-12.85	PASS
		2480	Reference	5.96	5.96	---	PASS
			30~1000	5.96	-67.02	≤-14.04	PASS
			1000~26500	5.96	-51.3	≤-14.04	PASS

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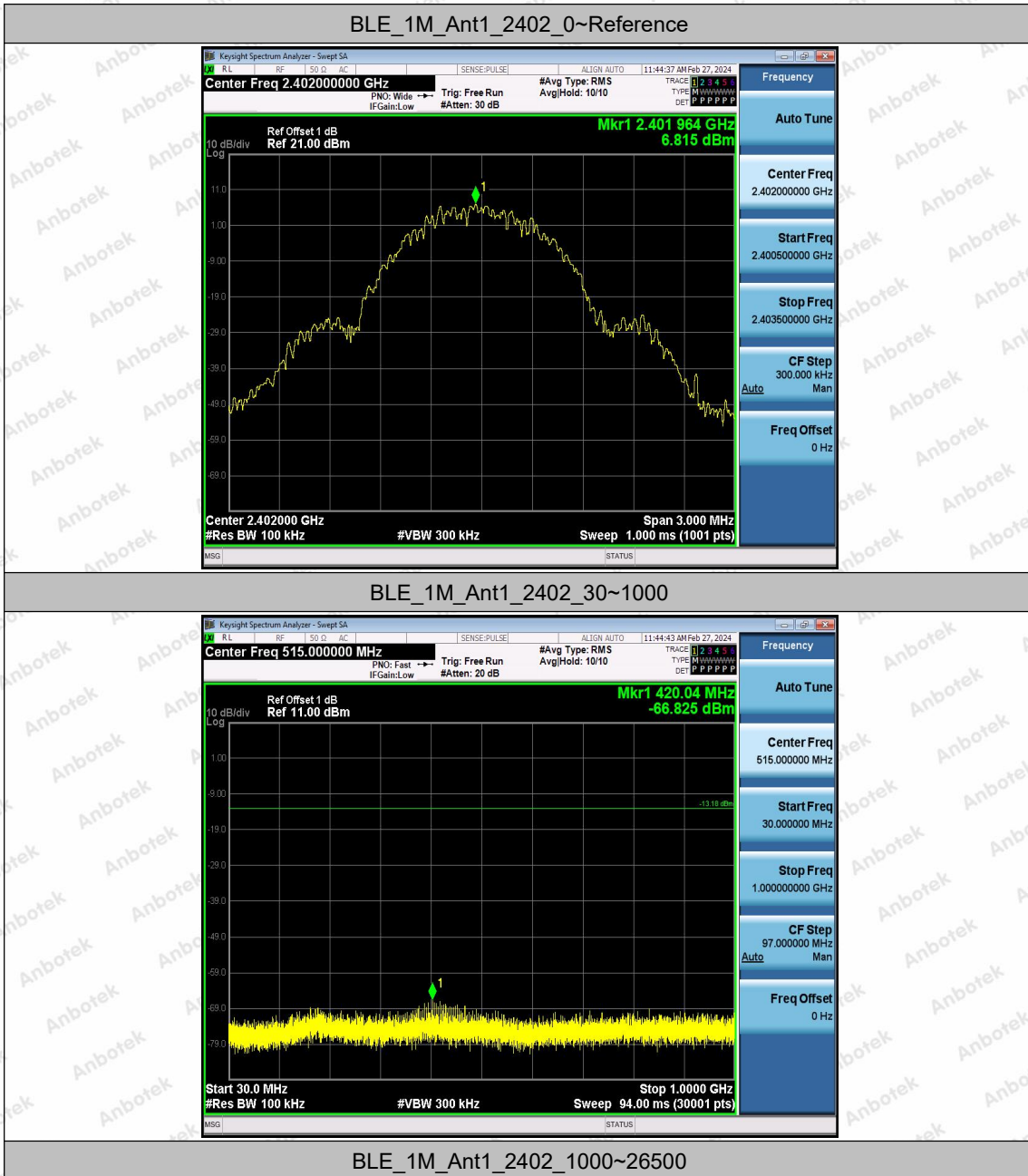
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## Test Graphs



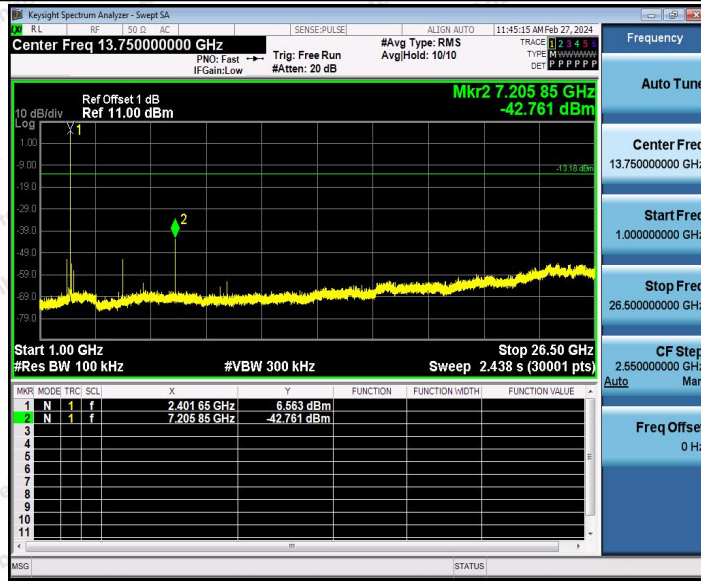
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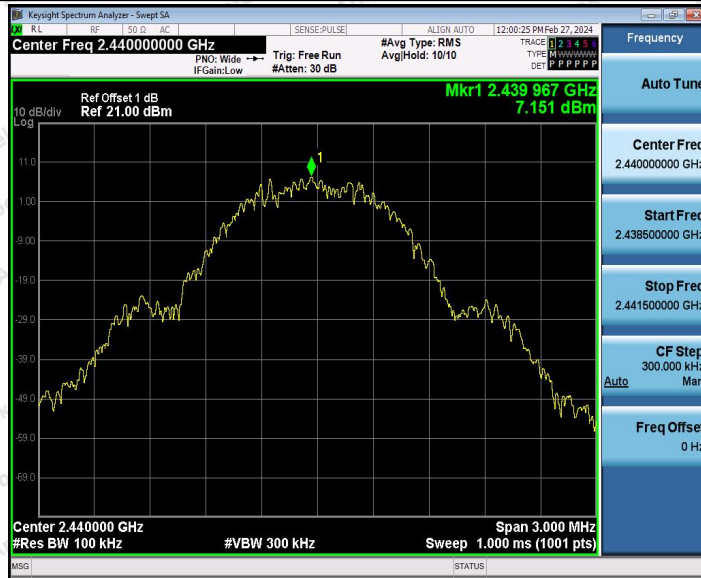
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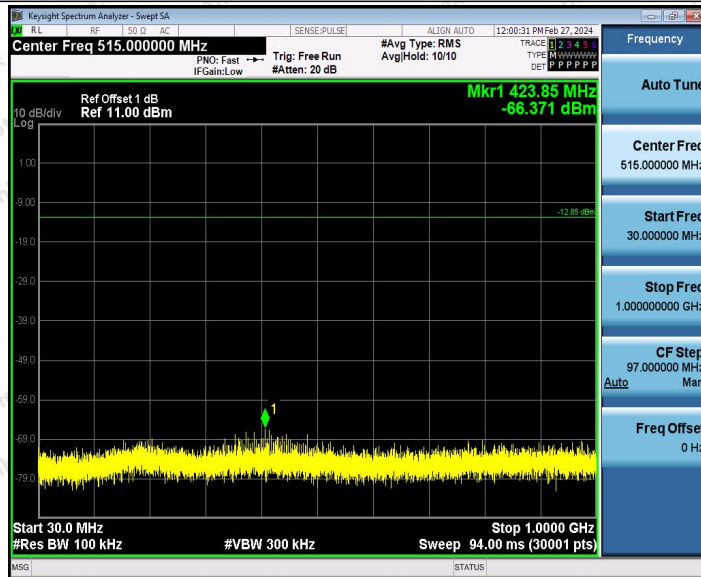




BLE\_1M\_Ant1\_2440\_0~Reference



BLE\_1M\_Ant1\_2440\_30~1000



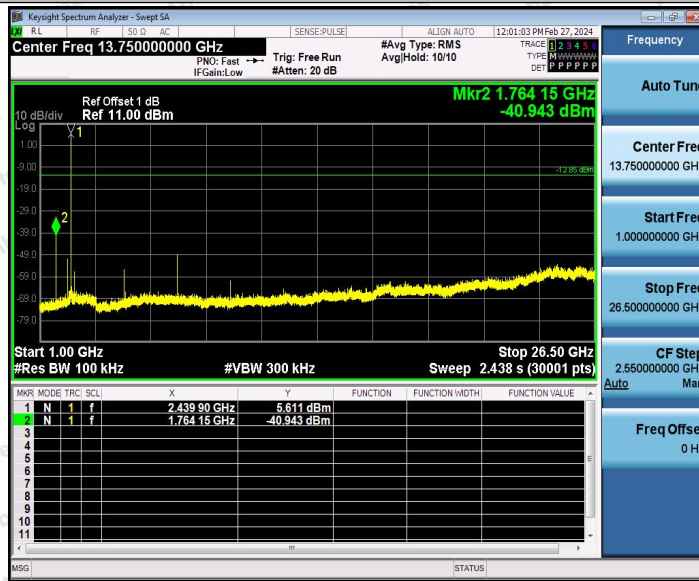
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### BLE\_1M\_Ant1\_2440\_1000~26500



### BLE\_1M\_Ant1\_2480\_0~Reference



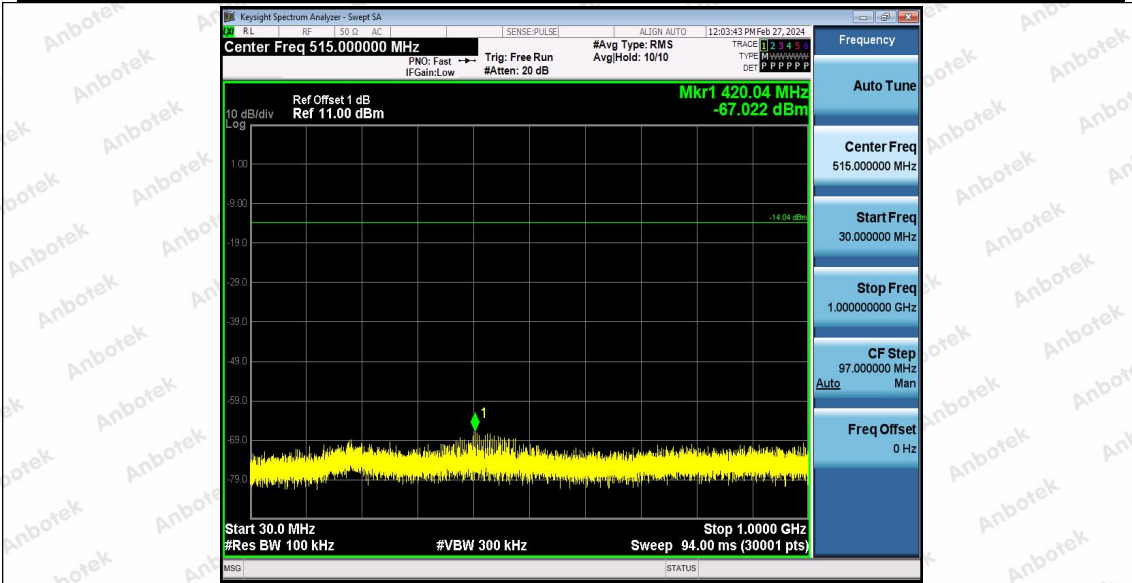
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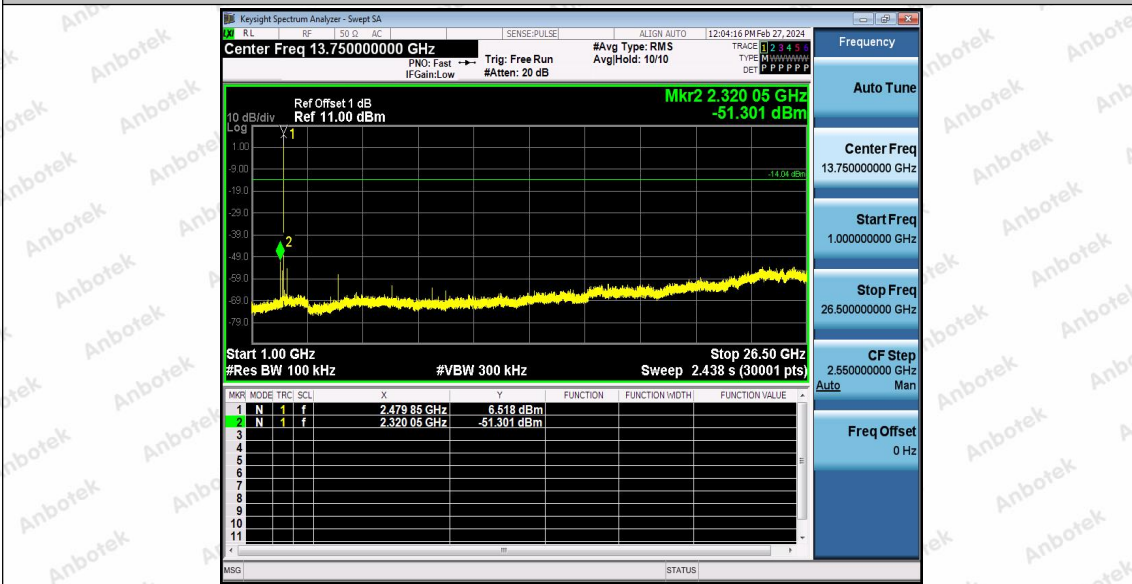
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BLE\_1M\_Ant1\_2480\_1000~26500



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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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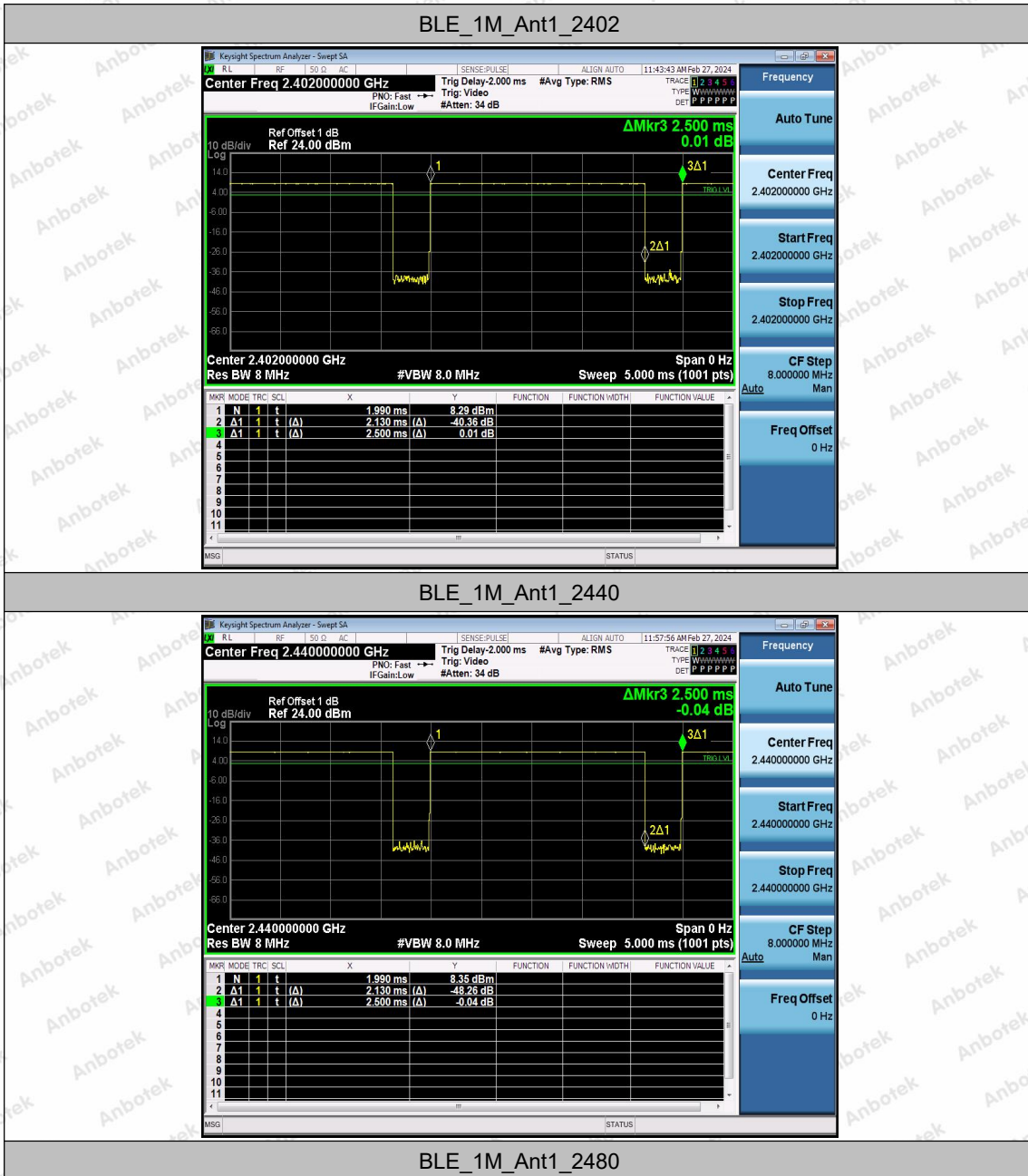
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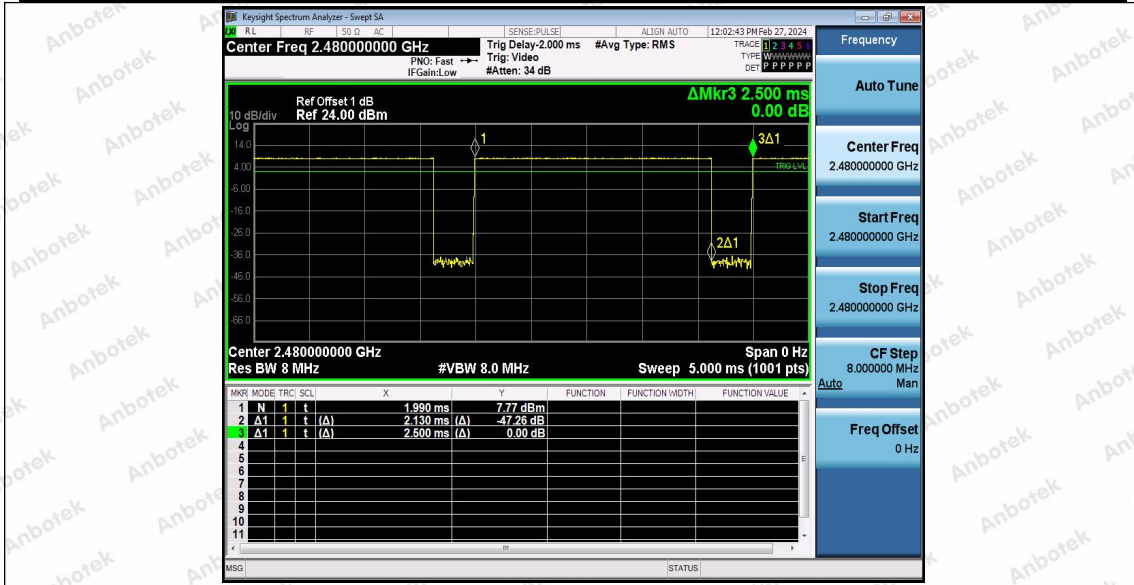


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