

## Appendix Test Data

Report No.:	18220WC30013701	Test Sample No.:	1-2-2
Start Test Date:	2023.2.4	Finish Test Date:	2023.2.6
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	43 %
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	0.628	2401.688	2402.316	0.5	PASS
		2440	0.684	2439.680	2440.364	0.5	PASS
		2480	0.684	2479.676	2480.360	0.5	PASS

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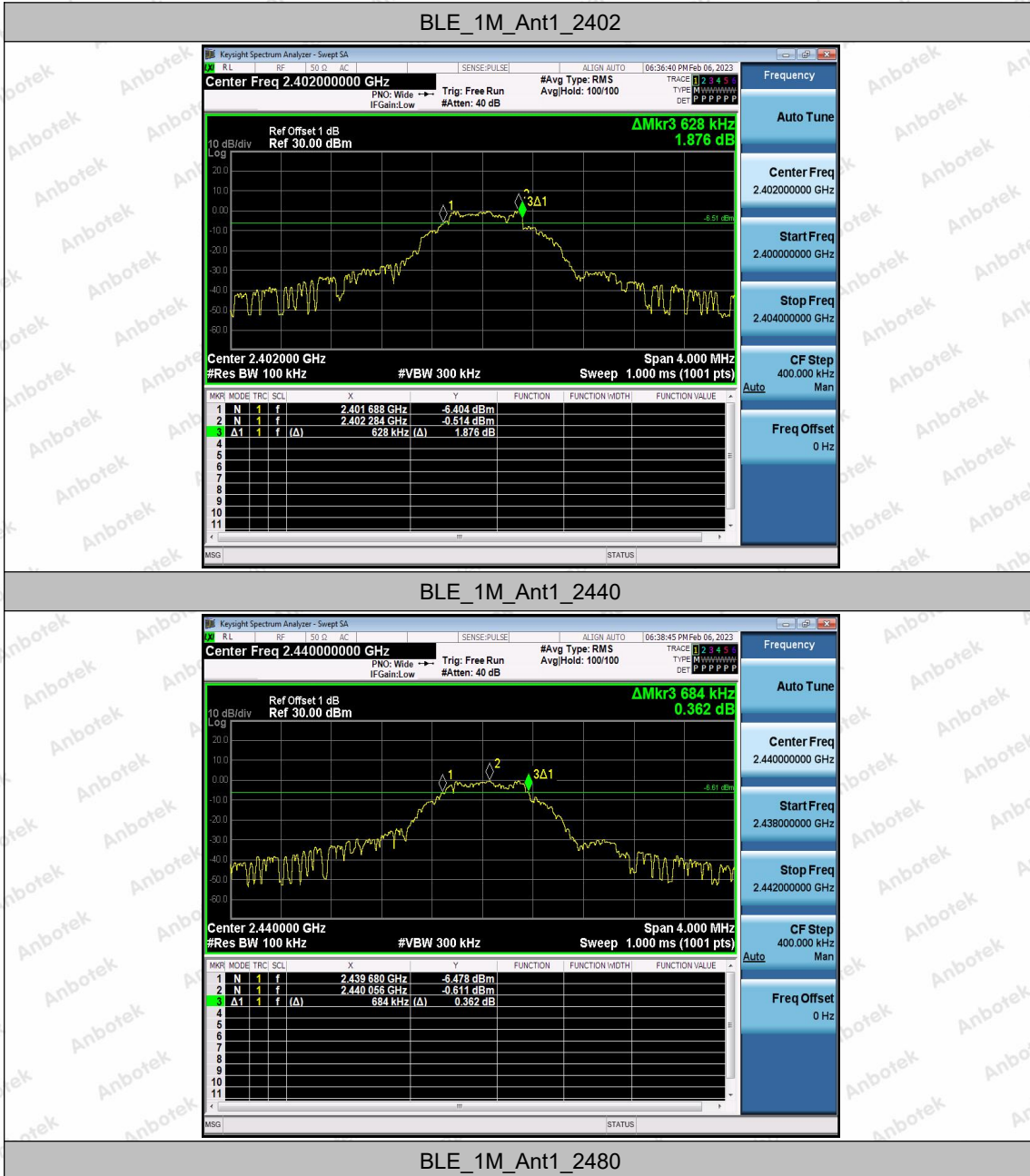
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## Test Graphs



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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	1.0170	2401.5357	2402.5527
		2440	1.0160	2439.5352	2440.5512
		2480	1.0332	2479.5264	2480.5596

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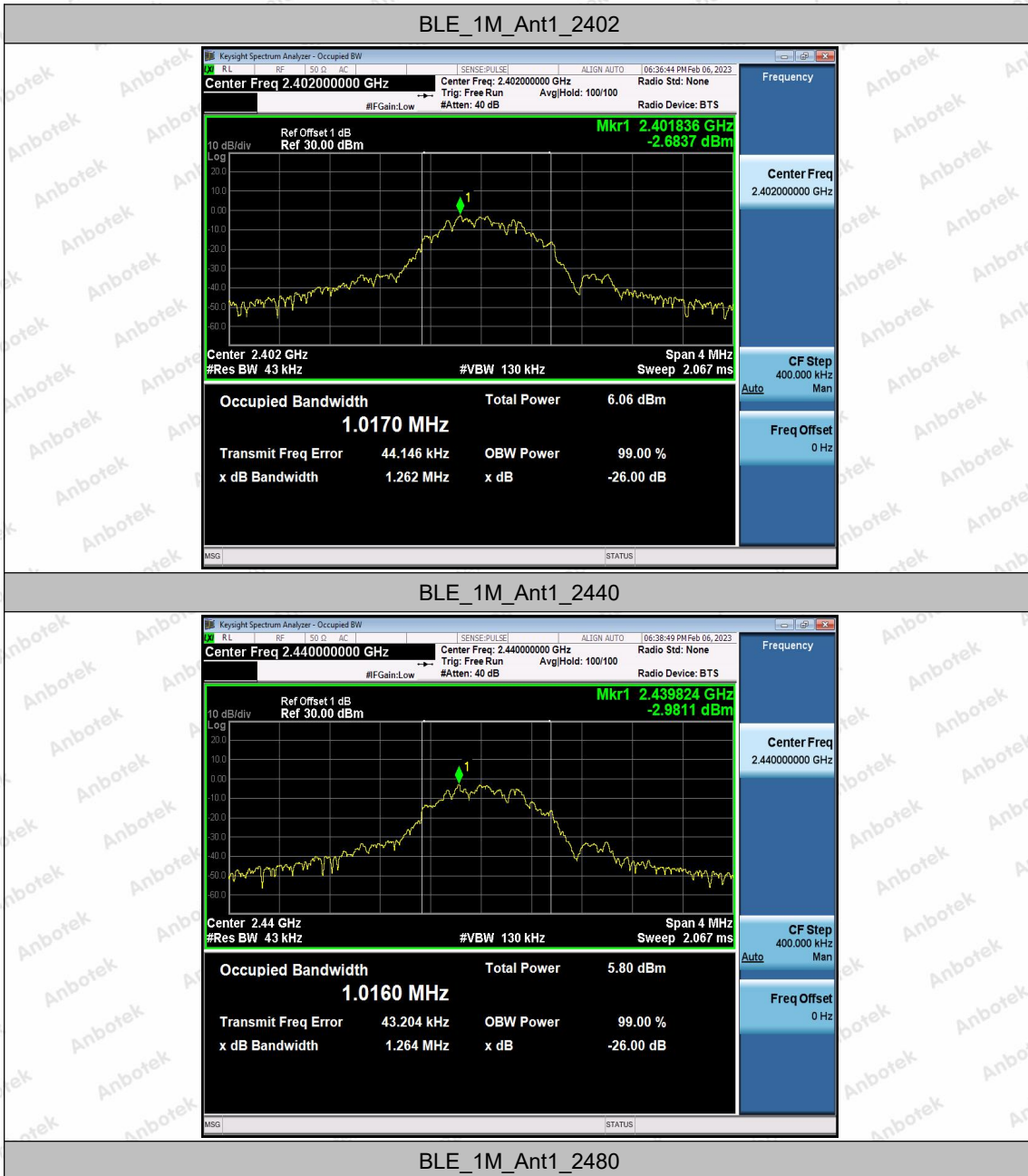
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## Test Graphs



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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	0.61	≤30	PASS
		2440	0.45	≤30	PASS
		2480	0.21	≤30	PASS

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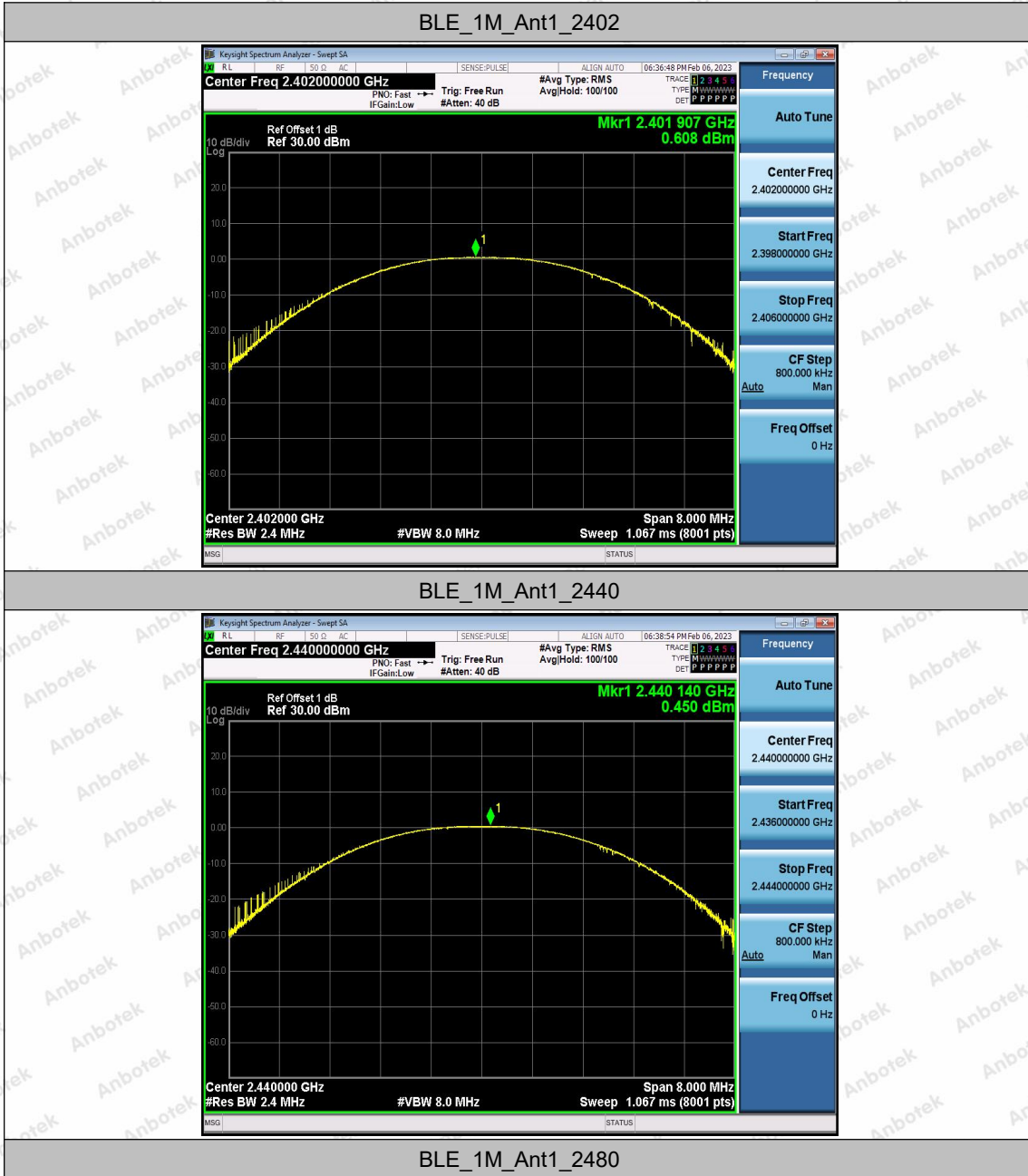
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## Test Graphs Peak



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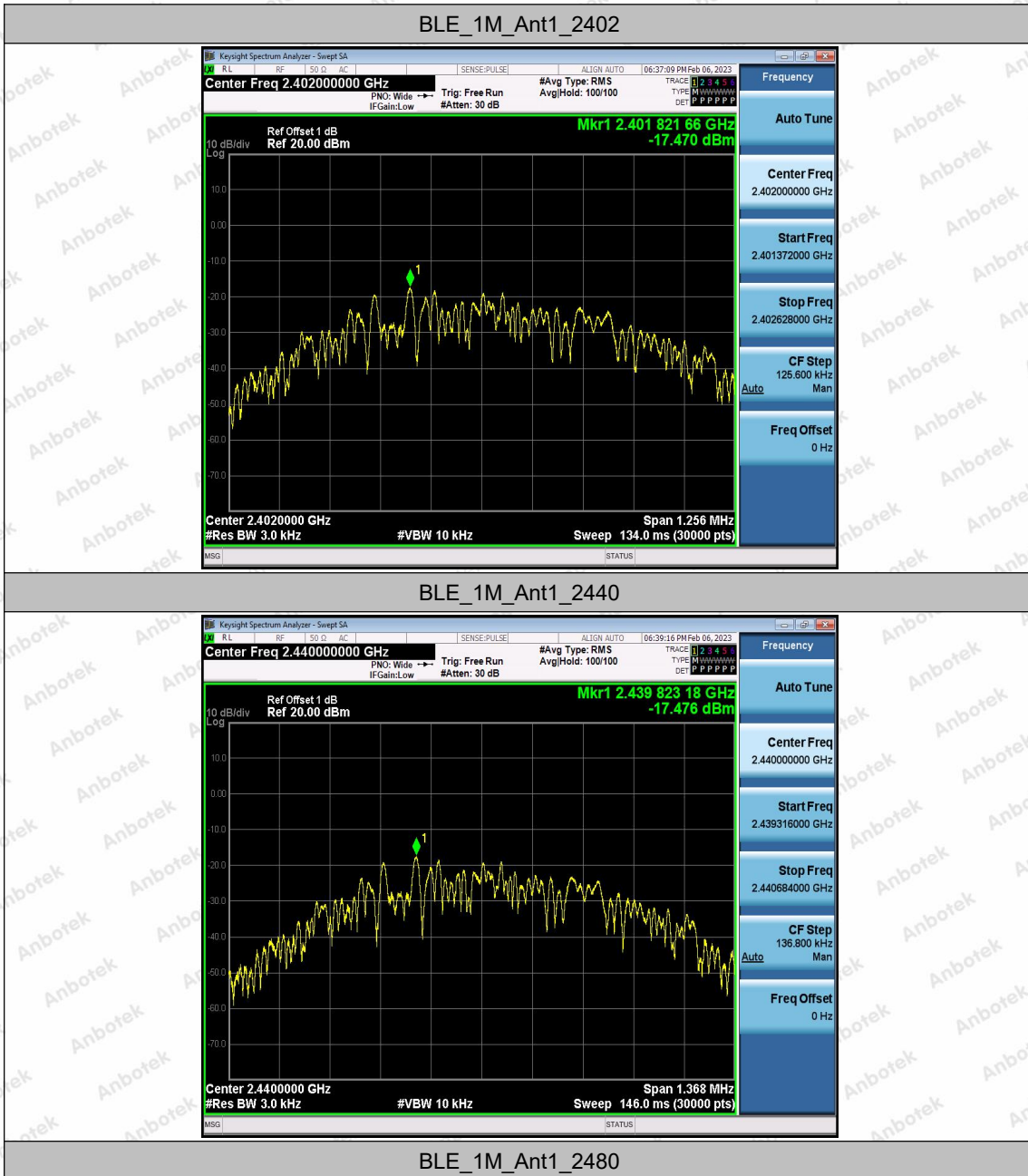
## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.47	≤8.00	PASS
		2440	-17.48	≤8.00	PASS
		2480	-17.79	≤8.00	PASS



## Test Graphs



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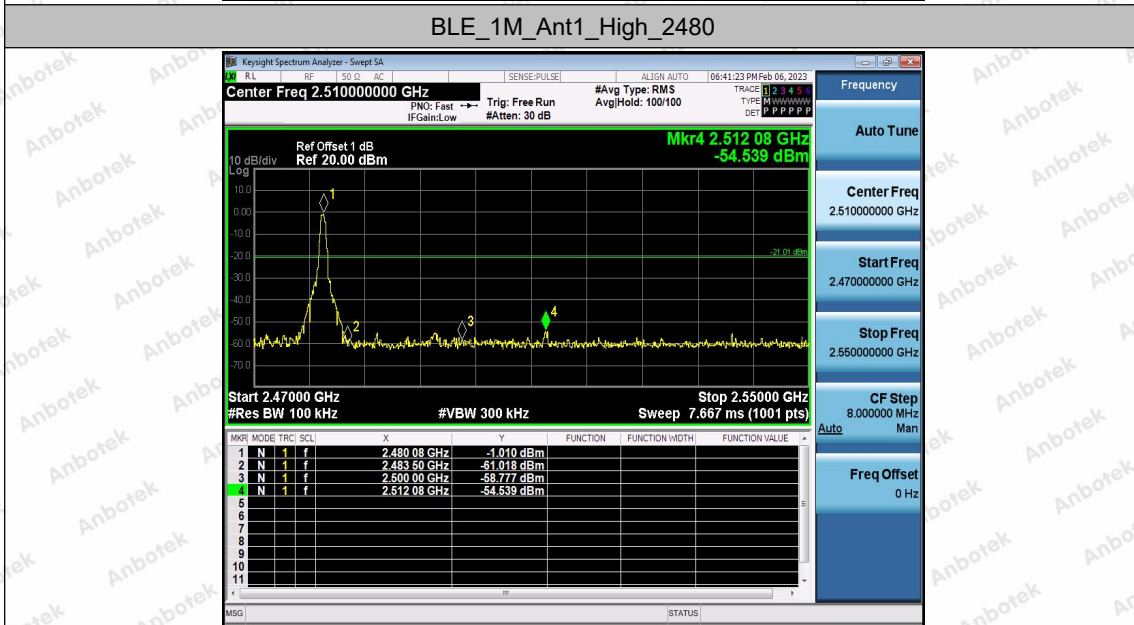
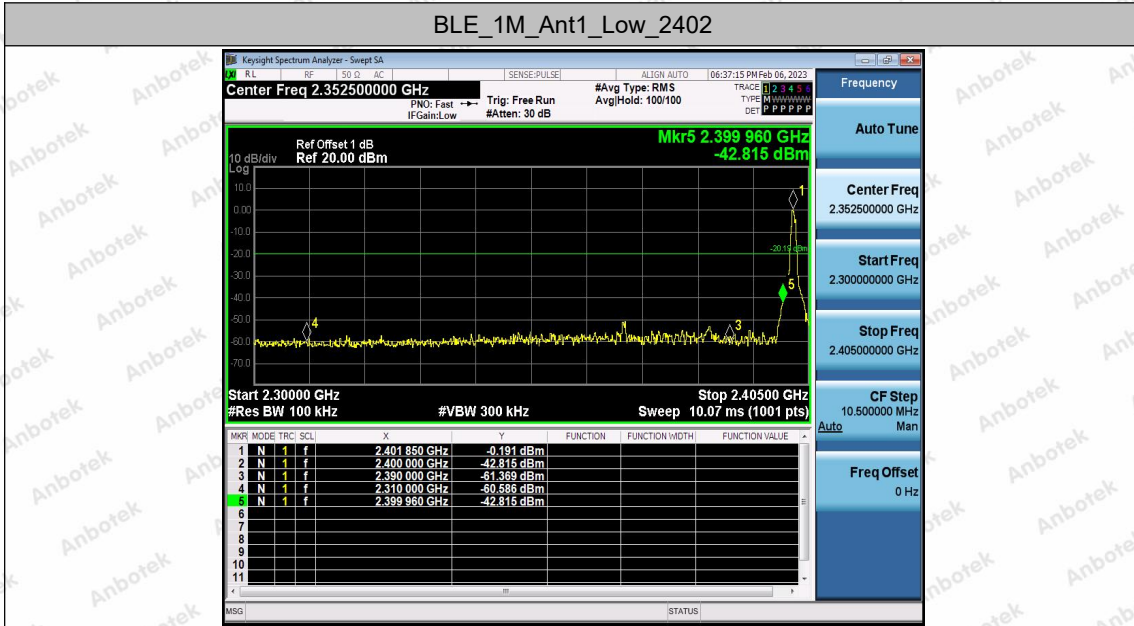
## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.19	-42.82	≤-20.19	PASS
		High	2480	-1.01	-54.54	≤-21.01	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	-0.65	-0.65	---	PASS
			30~1000	-0.65	-47.14	≤-20.65	PASS
			1000~26500	-0.65	-45.45	≤-20.65	PASS
		2440	Reference	-0.47	-0.47	---	PASS
			30~1000	-0.47	-46.03	≤-20.47	PASS
			1000~26500	-0.47	-44.39	≤-20.47	PASS
		2480	Reference	-0.83	-0.83	---	PASS
			30~1000	-0.83	-45.34	≤-20.83	PASS
			1000~26500	-0.83	-42.2	≤-20.83	PASS

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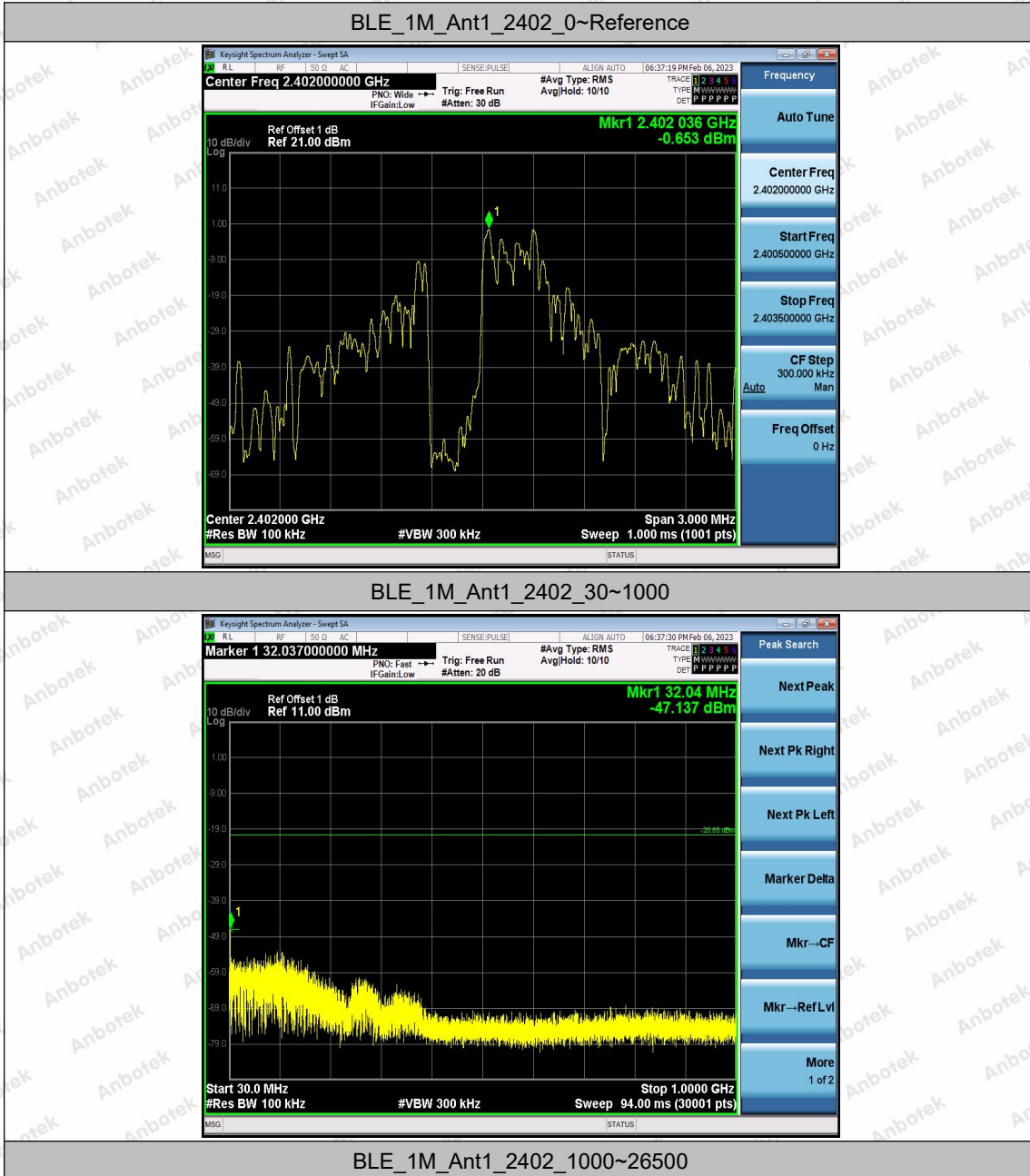
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## Test Graphs

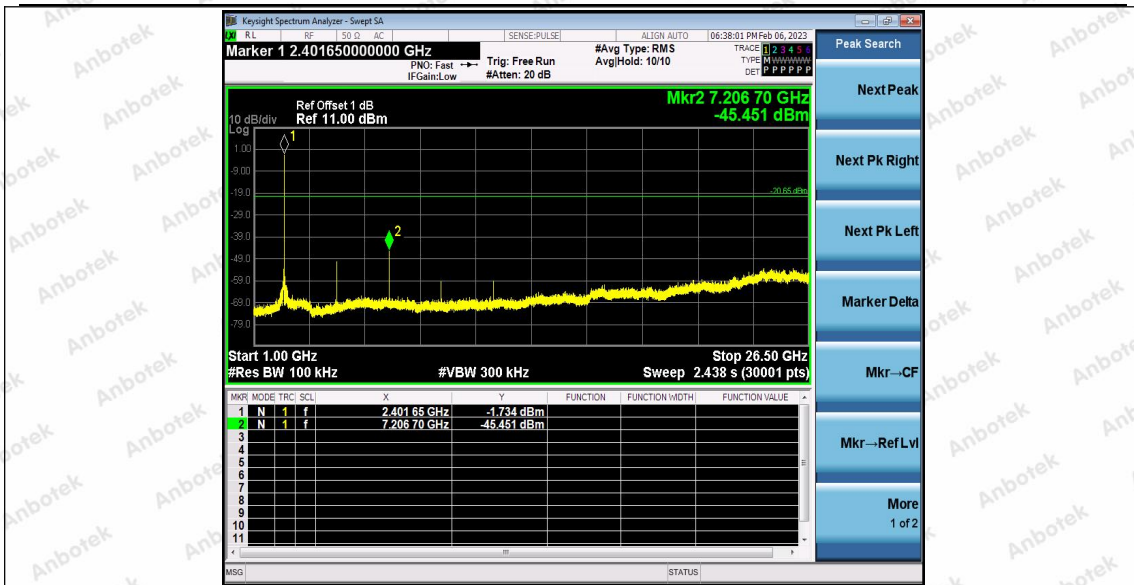


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BLE\_1M\_Ant1\_2440\_0~Reference



BLE\_1M\_Ant1\_2440\_30~1000

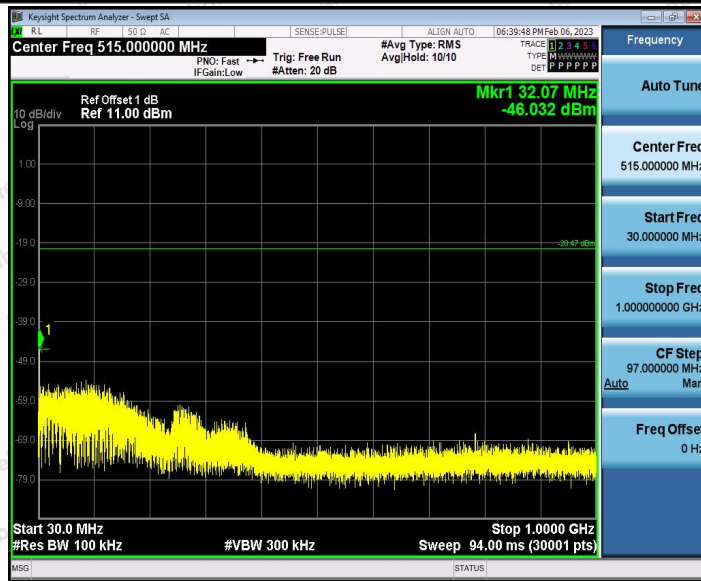
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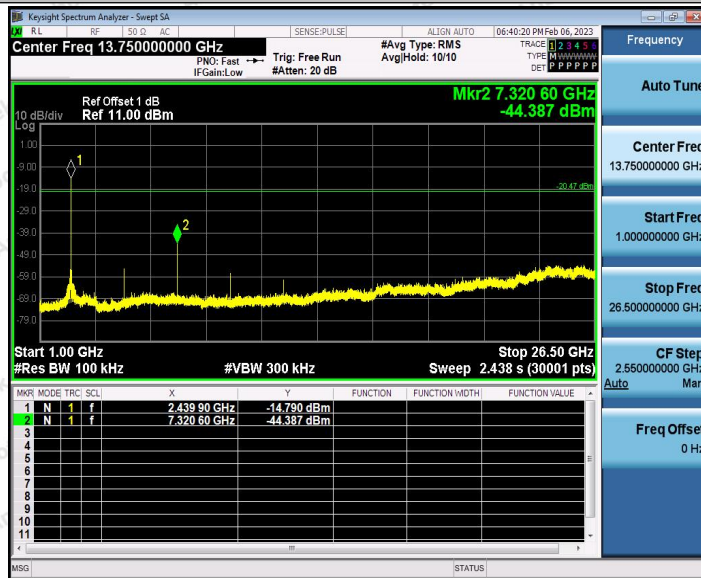
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BLE\_1M\_Ant1\_2440\_1000~26500



BLE\_1M\_Ant1\_2480\_0~Reference

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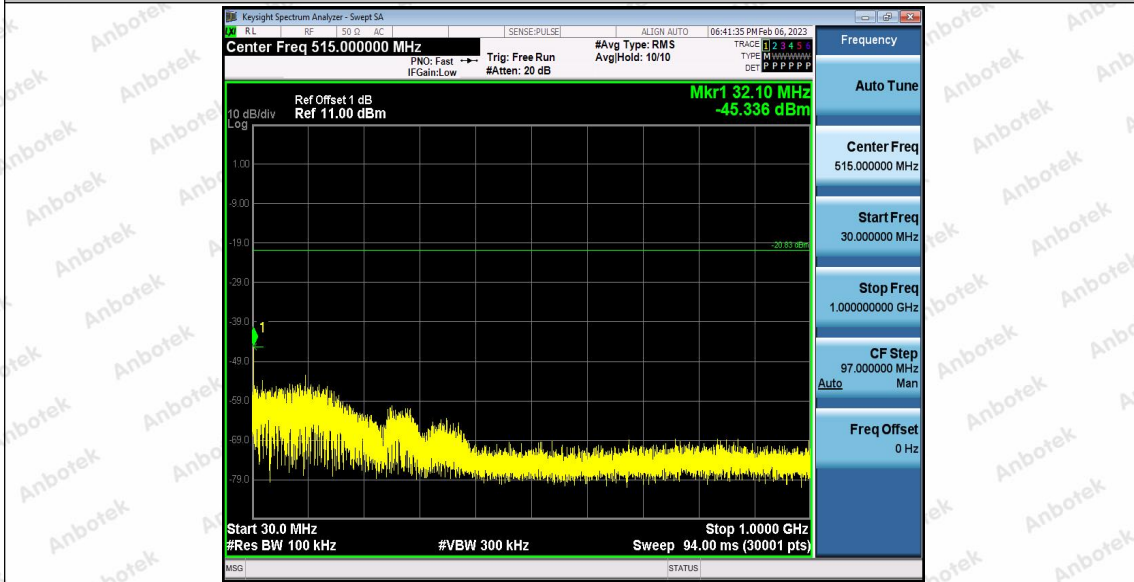
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BLE\_1M\_Ant1\_2480\_30~1000



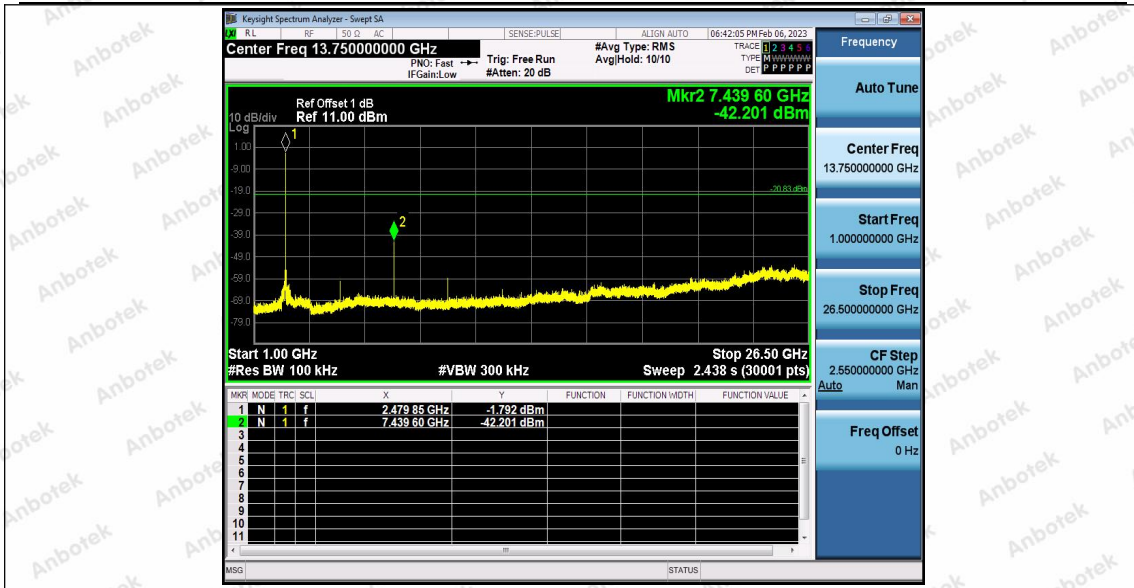
BLE\_1M\_Ant1\_2480\_1000~26500

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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	0.10	0.61	16.39	7.85
		2440	0.10	0.61	16.39	7.85
		2480	0.10	0.61	16.39	7.85

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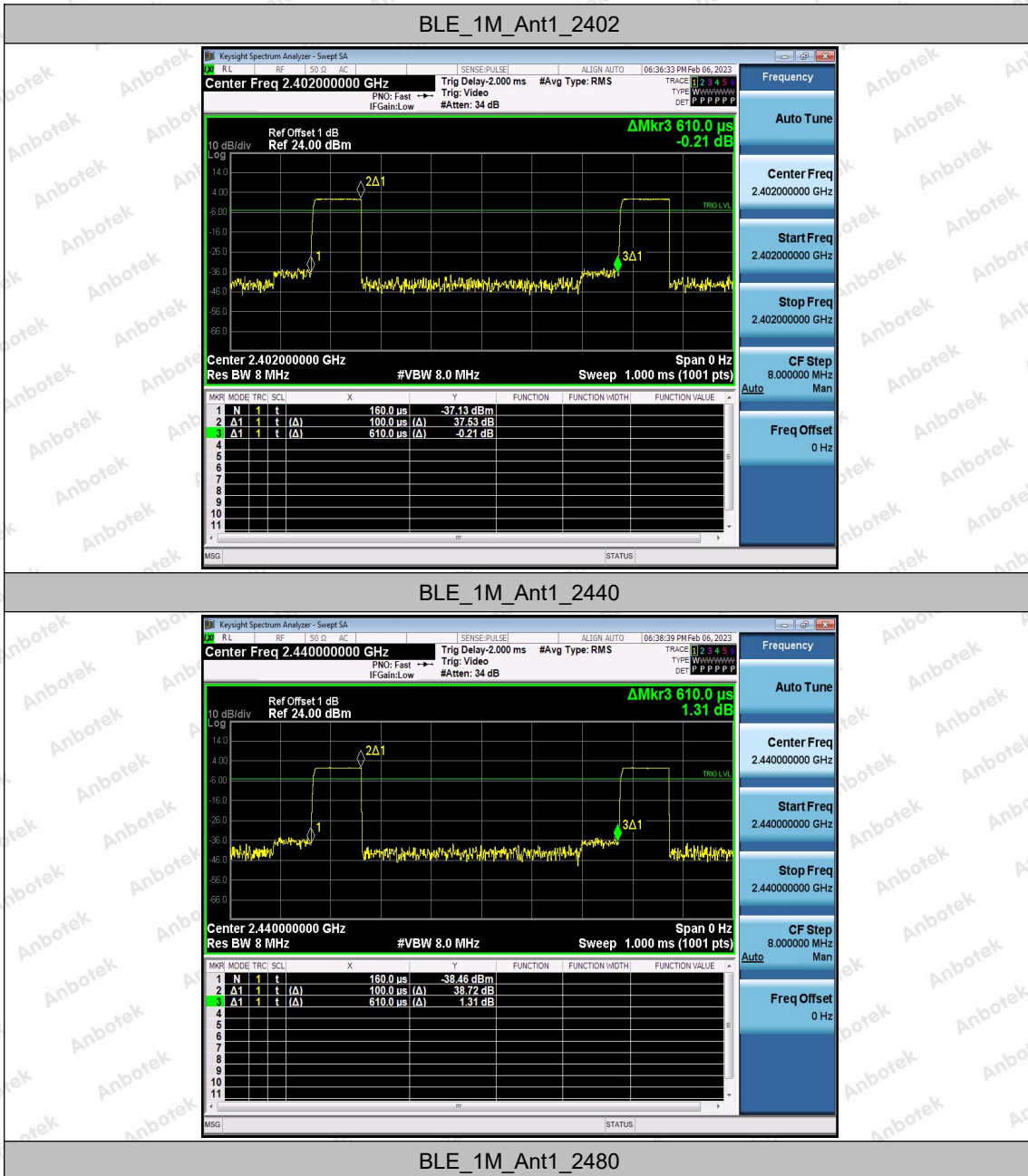
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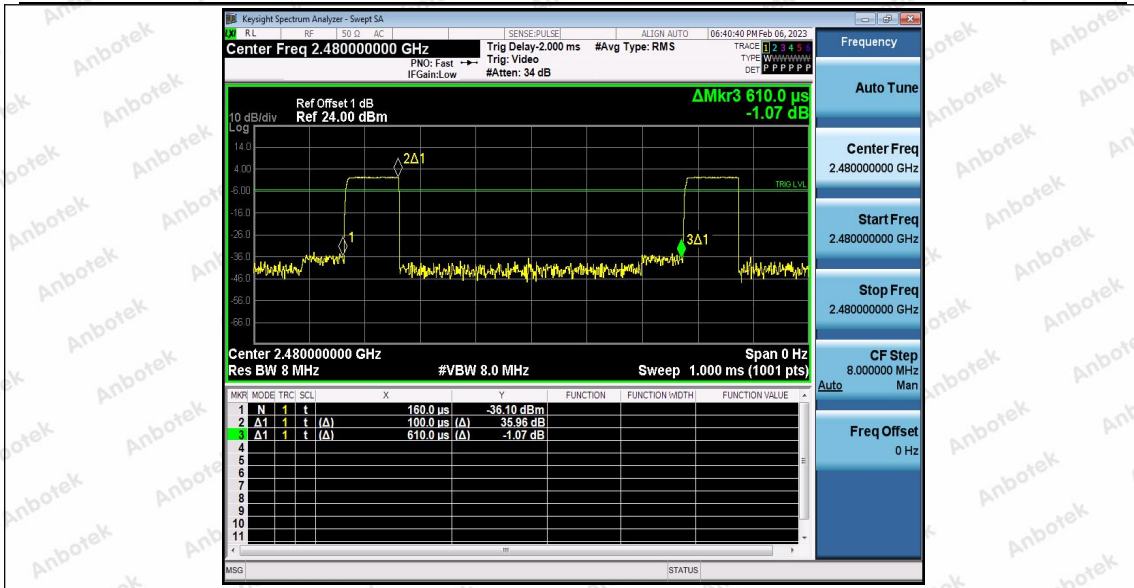


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