

## Appendix Test Data

Report No.:	18220WC30126701	Test Sample No.:	1-2-2
Start Test Date:	2023.06.26	Finish Test Date:	2023.06.27
Test Engineer:	RICK Luo	Auditor:	Edward Pan
Temperature:	25.1°C	Relative Humidity:	49%
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	0.664	2401.612	2402.276	0.5	PASS
		2440	0.652	2439.612	2440.264	0.5	PASS
		2480	0.664	2479.600	2480.264	0.5	PASS

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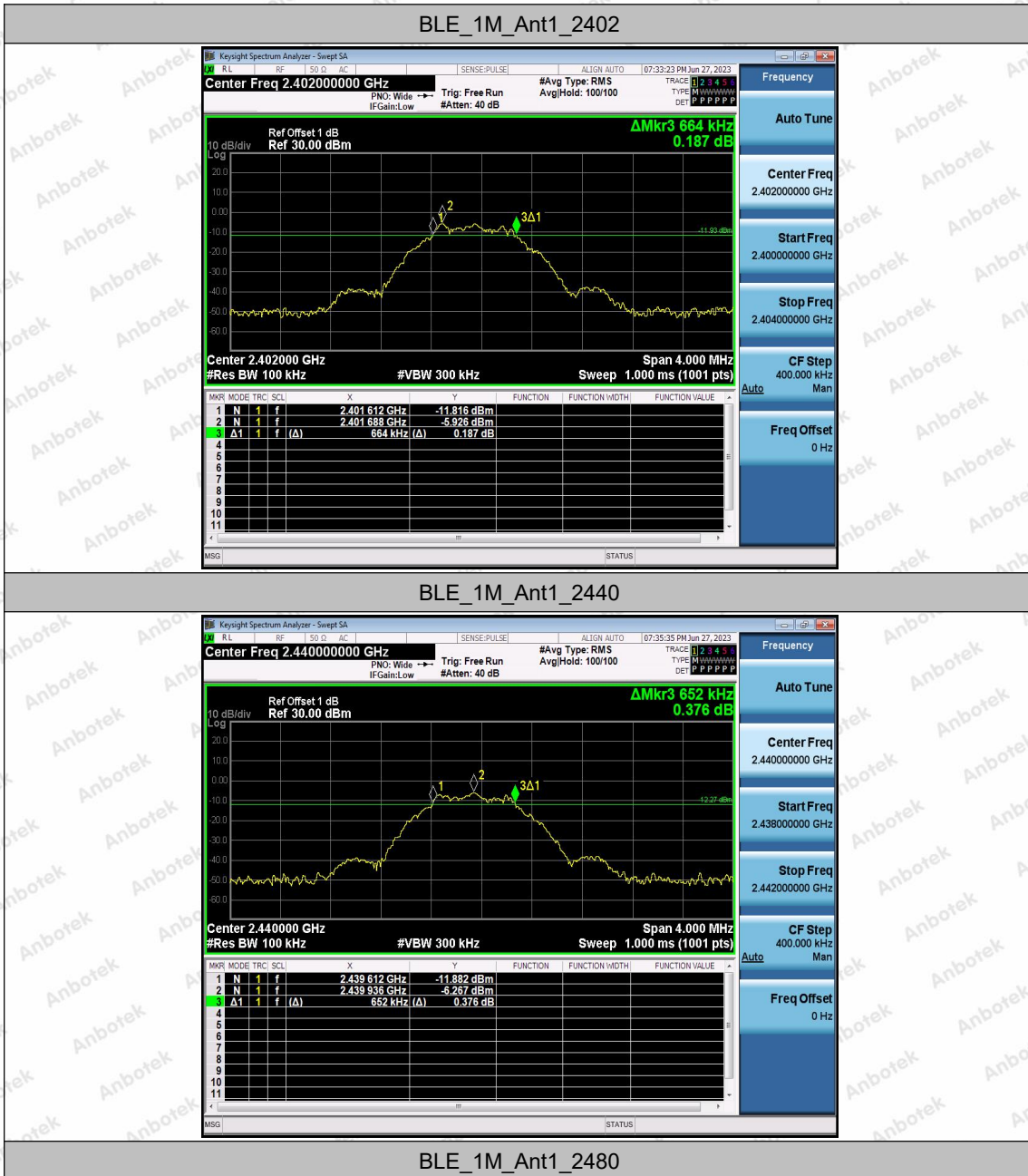
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## Test Graphs

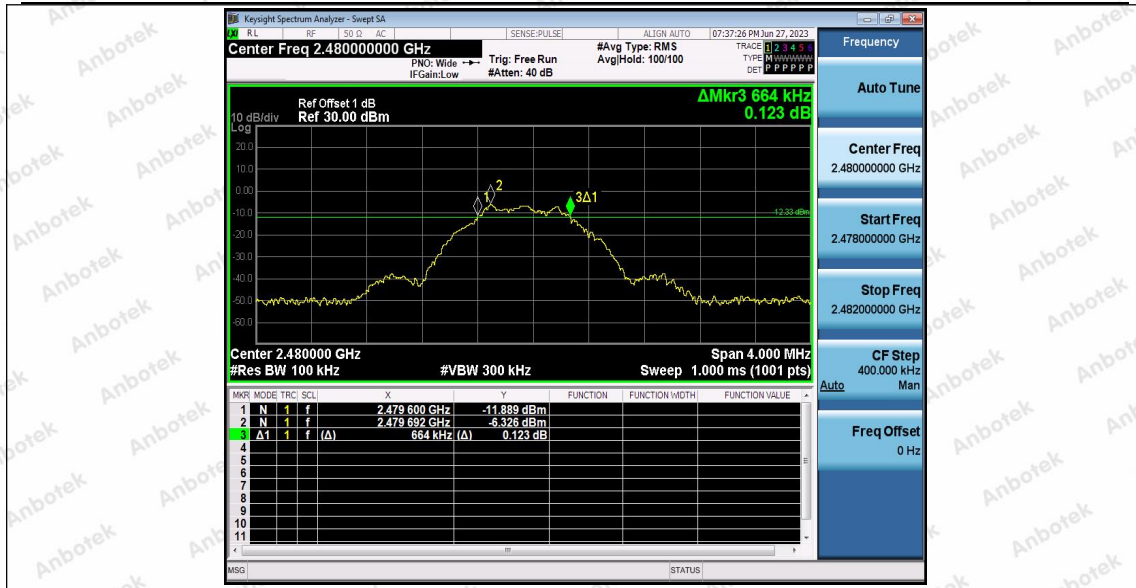


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## Appendix B: Occupied Channel Bandwidth

### Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0087	2401.4410	2402.4497
		2440	1.0190	2439.4345	2440.4535
		2480	1.0134	2479.4353	2480.4487

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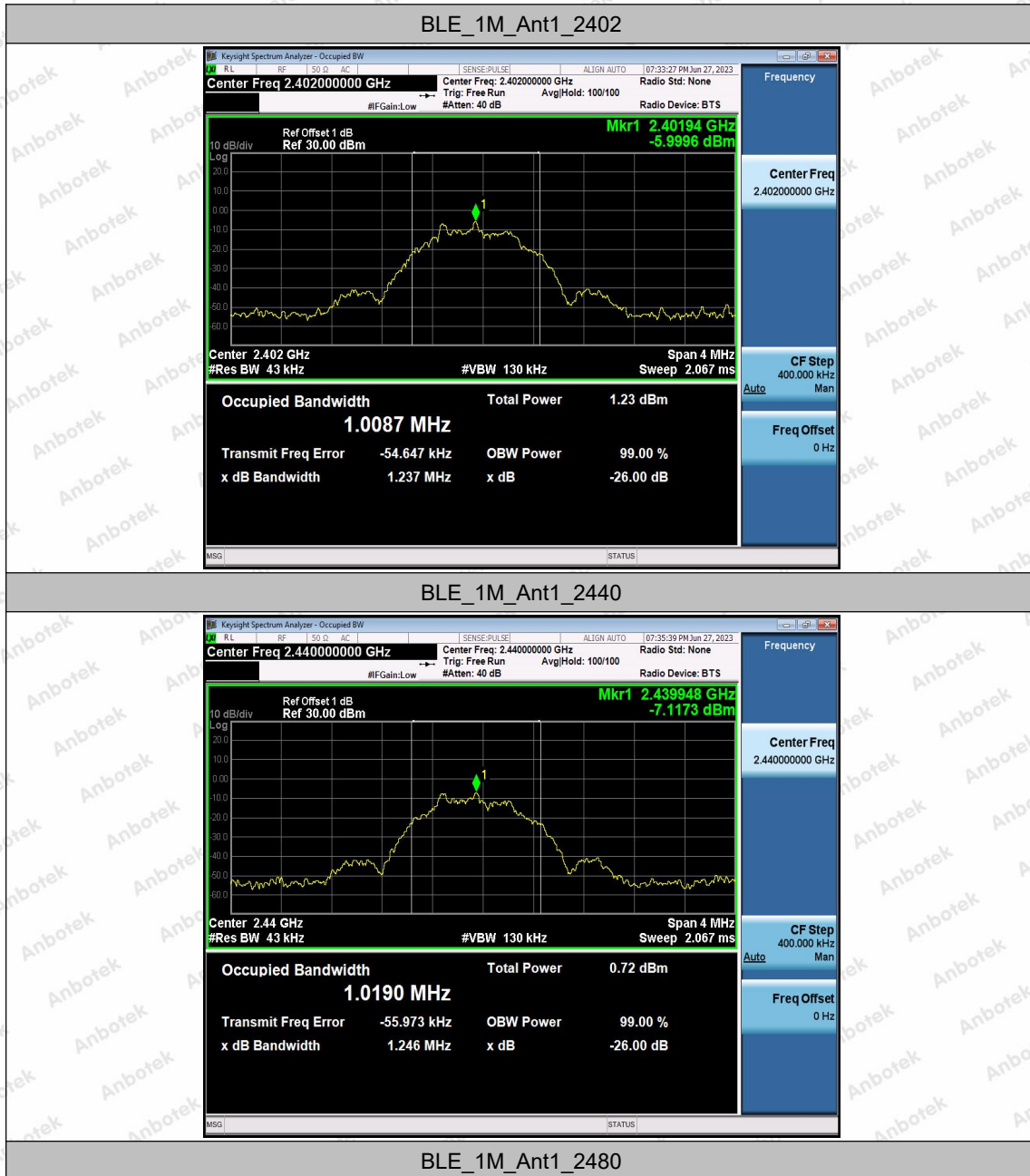
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## Test Graphs



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## Appendix C: Maximum conducted output power

### Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-5.62	≤30	PASS
		2440	-6.04	≤30	PASS
		2480	-5.96	≤30	PASS

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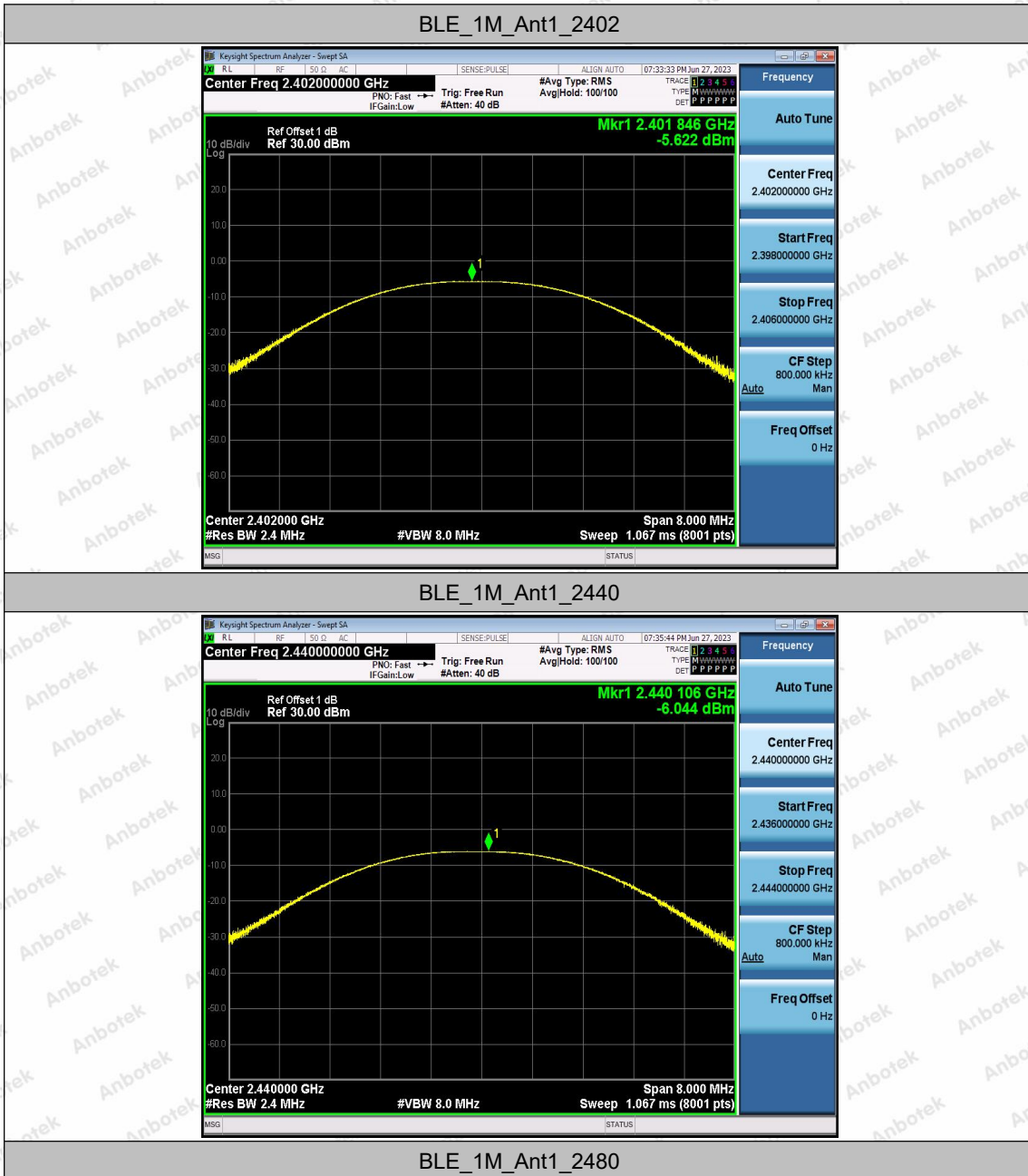
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## Test Graphs Peak



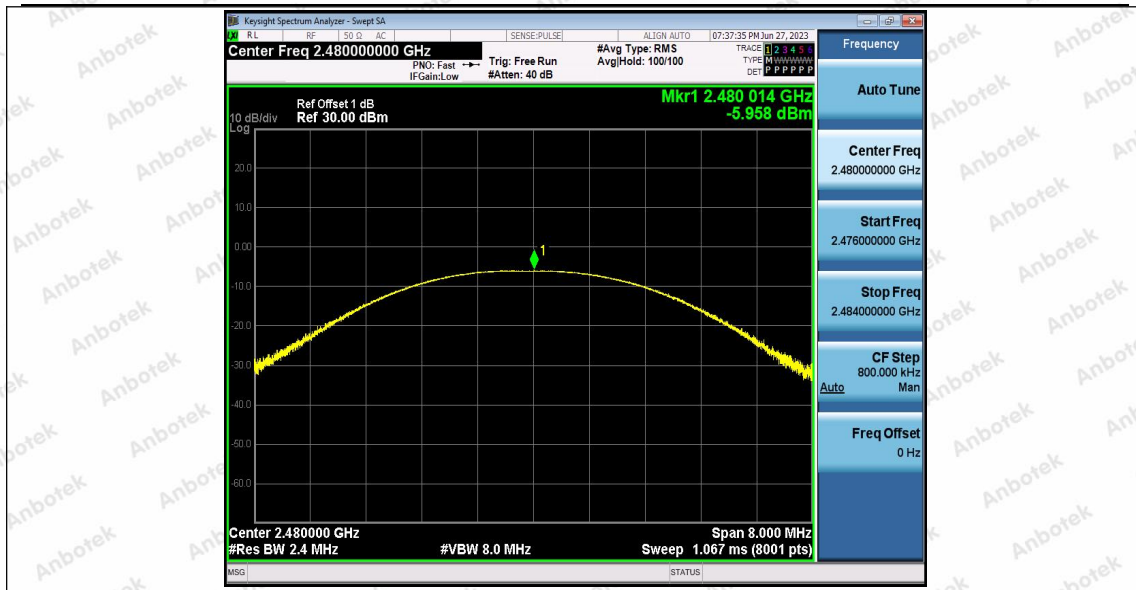
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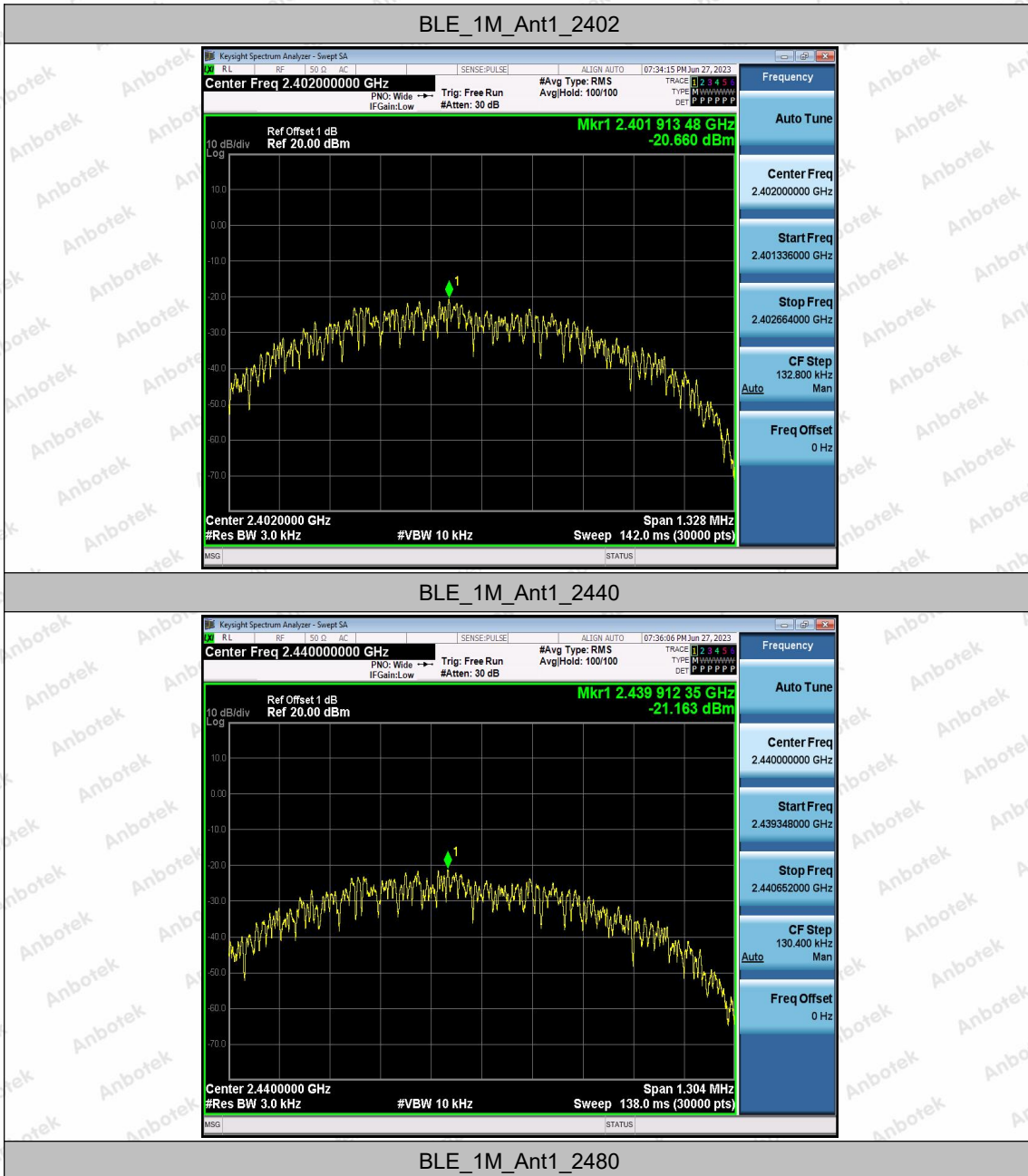
## Appendix D: Maximum power spectral density

### Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-20.66	≤8.00	PASS
		2440	-21.16	≤8.00	PASS
		2480	-21.13	≤8.00	PASS



## Test Graphs



BLE\_1M\_Ant1\_2480

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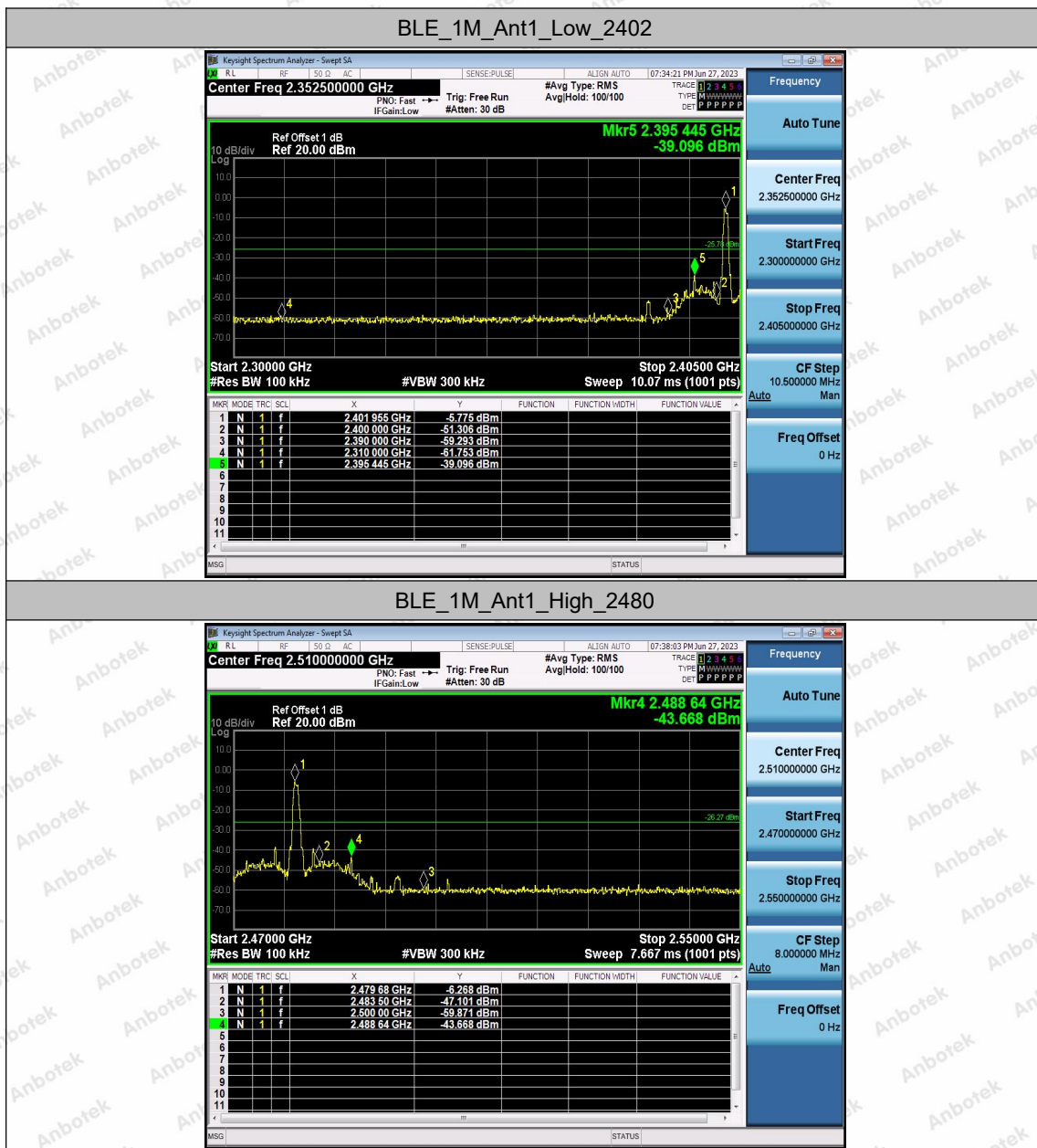


## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-5.78	-39.1	≤-25.78	PASS
		High	2480	-6.27	-43.67	≤-26.27	PASS

### Test Graphs



## 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	-6.38	-6.38	---	PASS
			30~1000	-6.38	-69.48	≤-26.38	PASS
			1000~26500	-6.38	-42.47	≤-26.38	PASS
		2440	Reference	-6.40	-6.40	---	PASS
			30~1000	-6.40	-69.03	≤-26.4	PASS
			1000~26500	-6.40	-40.39	≤-26.4	PASS
		2480	Reference	-6.25	-6.25	---	PASS
			30~1000	-6.25	-69.35	≤-26.25	PASS
			1000~26500	-6.25	-43.71	≤-26.25	PASS

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## Test Graphs

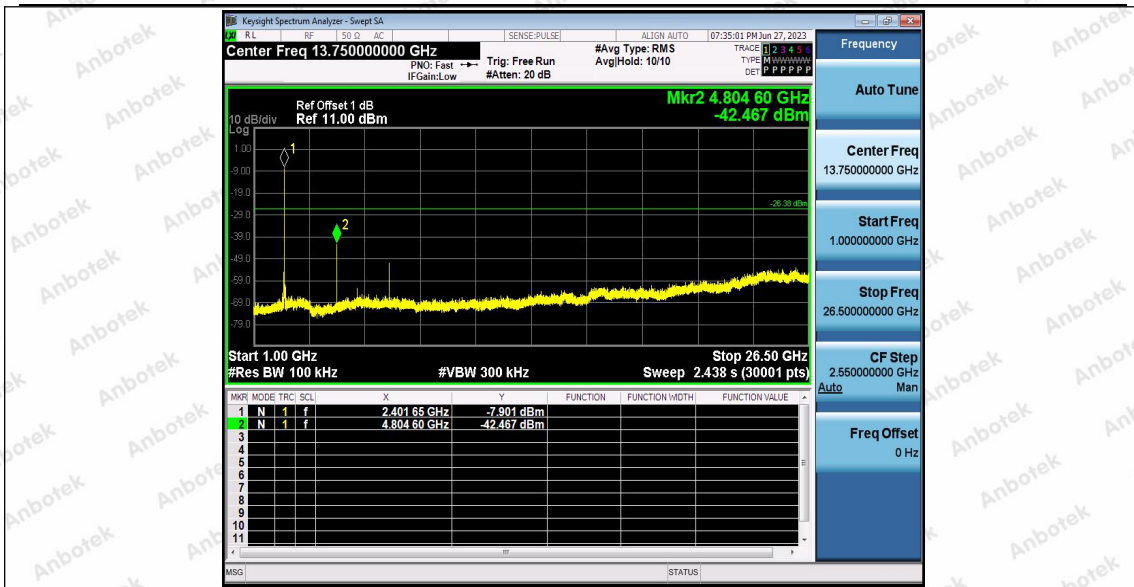


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BLE\_1M\_Ant1\_2440\_0~Reference



BLE\_1M\_Ant1\_2440\_30~1000

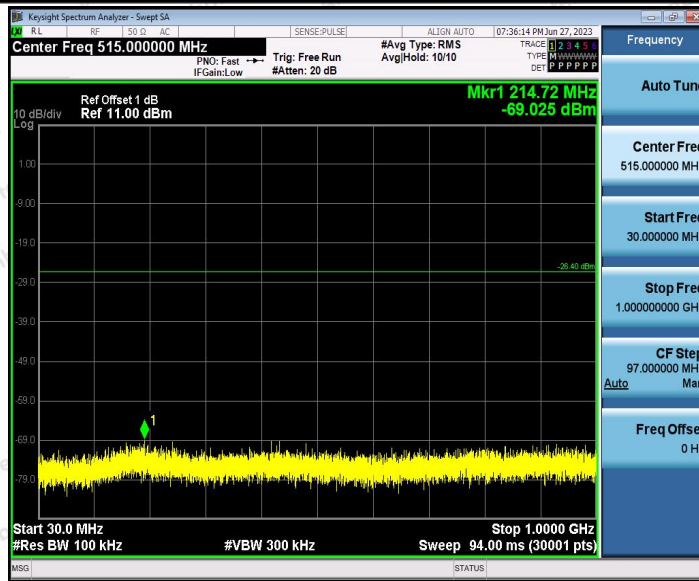
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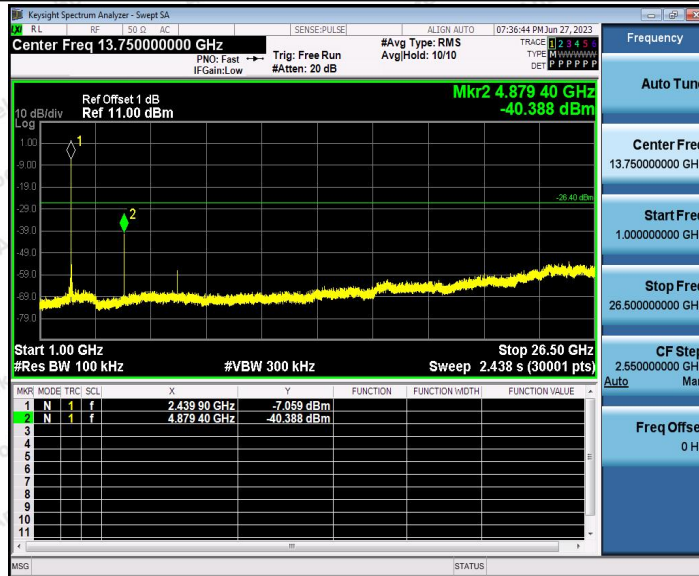
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BLE\_1M\_Ant1\_2440\_1000~26500



BLE\_1M\_Ant1\_2480\_0~Reference

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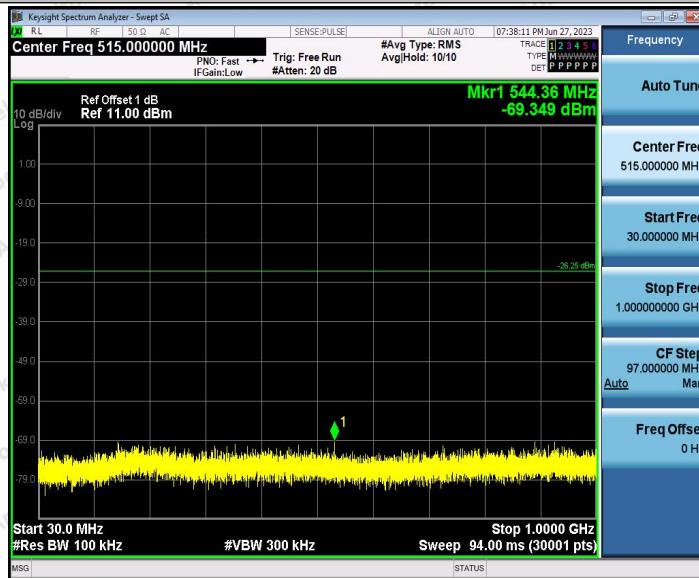
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BLE\_1M\_Ant1\_2480\_30~1000



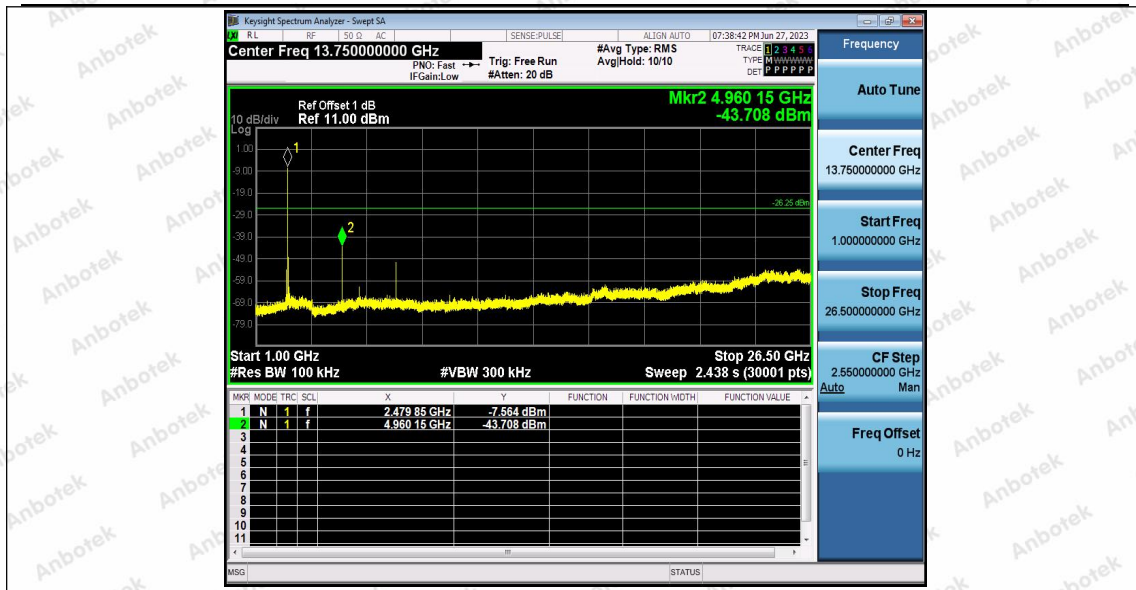
BLE\_1M\_Ant1\_2480\_1000~26500

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## Appendix G: Duty Cycle

### Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.42	1.25	33.60	4.74
		2440	0.42	1.25	33.60	4.74
		2480	0.42	1.25	33.60	4.74

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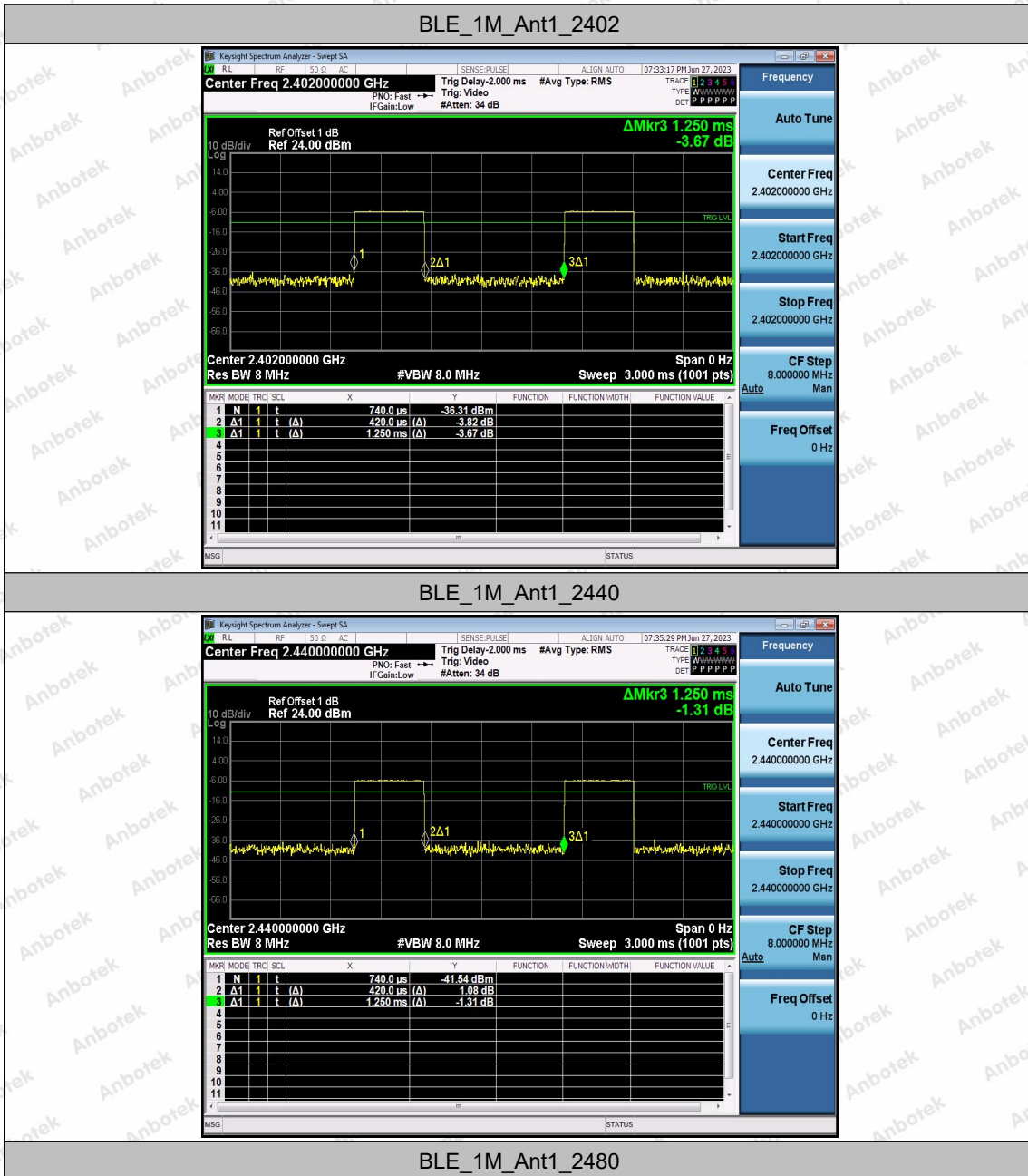
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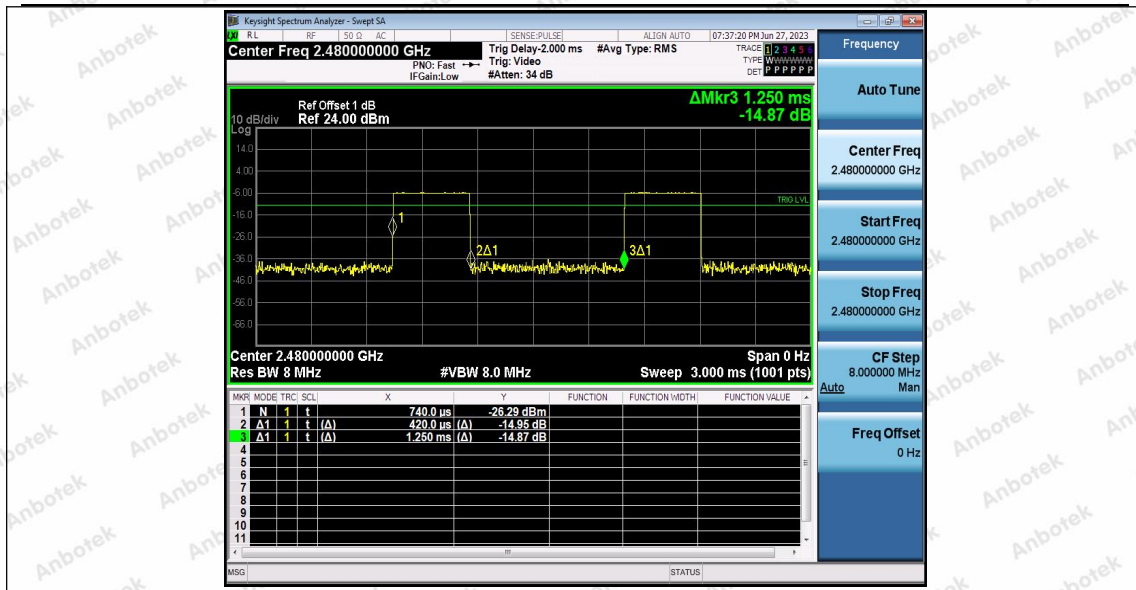


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