

## Appendix Test Data

Report No.:	18220WC30005101	Test Sample No.:	1-2-2
Start Test Date:	2023.1.12	Finish Test Date:	2023.1.13
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	47 %
Pressure:	1012 hPa		

## Appendix A: DTS Bandwidth

## Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.696	2401.656	2402.352	0.5	PASS
		2440	0.696	2439.648	2440.344	0.5	PASS
		2480	0.680	2479.664	2480.344	0.5	PASS

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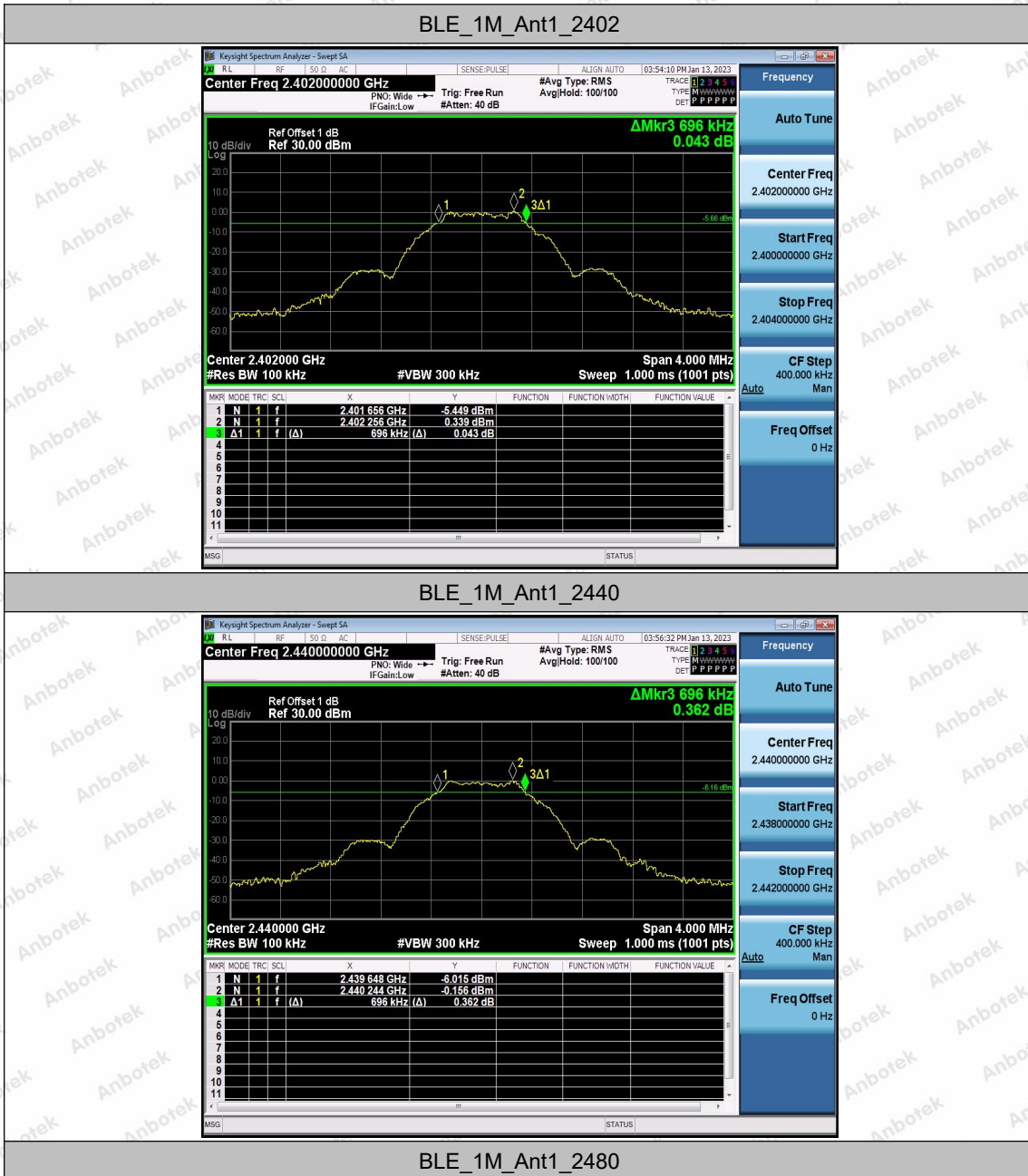
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## Test Graphs



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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	1.0369	2401.4969	2402.5338
		2440	1.0347	2439.4966	2440.5313
		2480	1.0329	2479.4968	2480.5297

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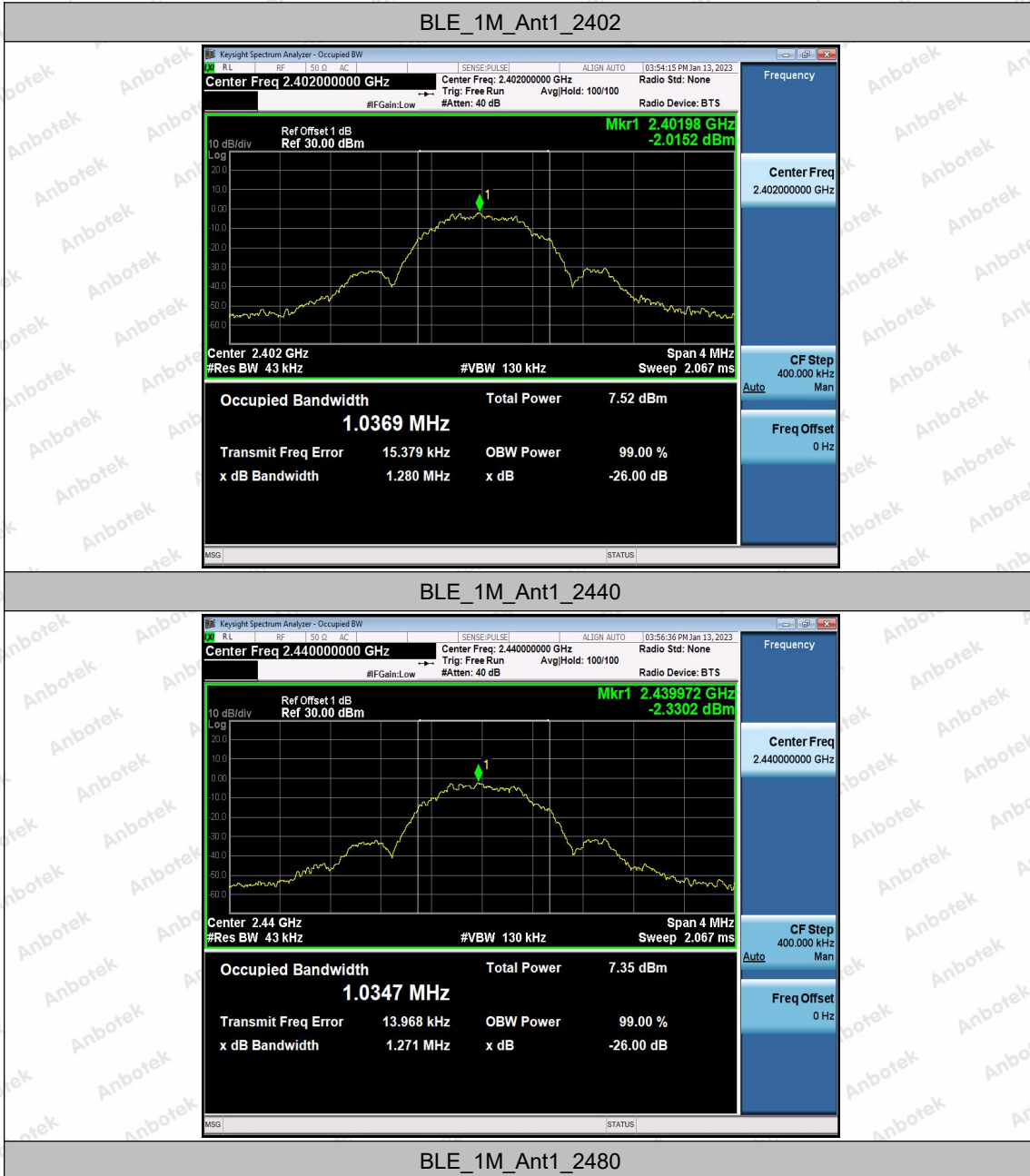
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## Test Graphs



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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	1.35	≤30	PASS
		2440	0.91	≤30	PASS
		2480	0.30	≤30	PASS

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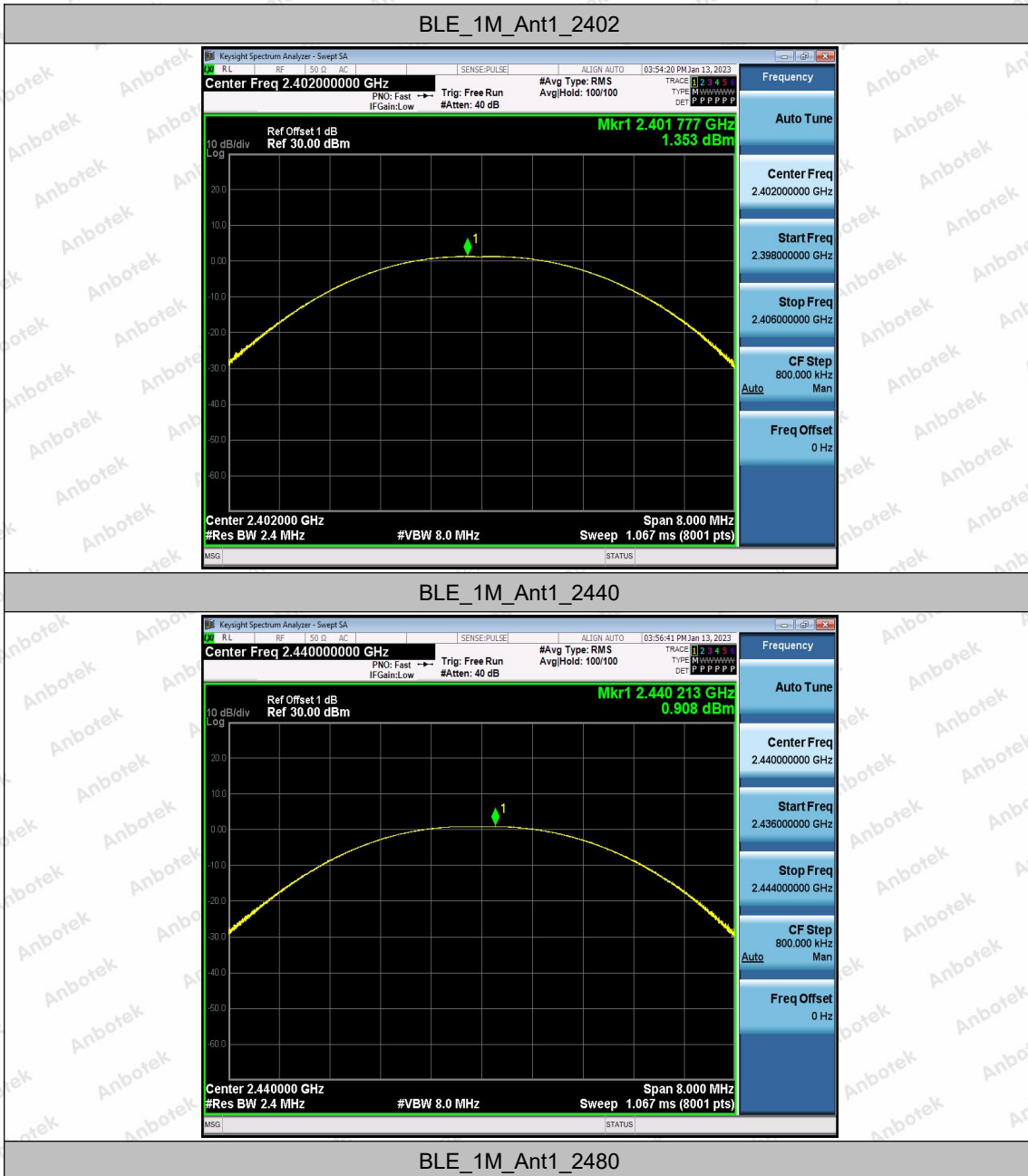
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## Test Graphs Peak



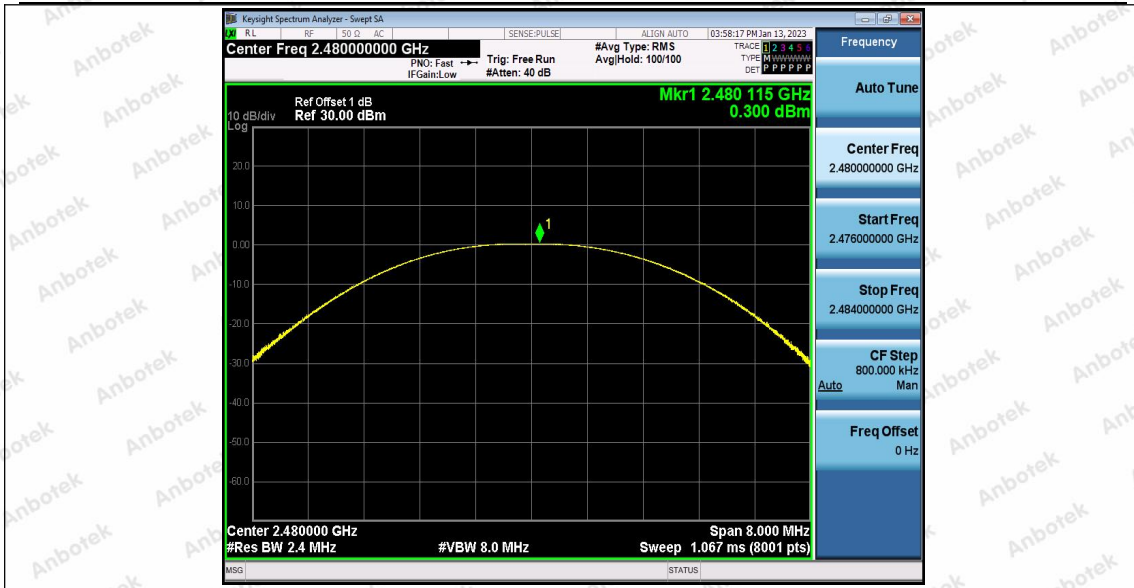
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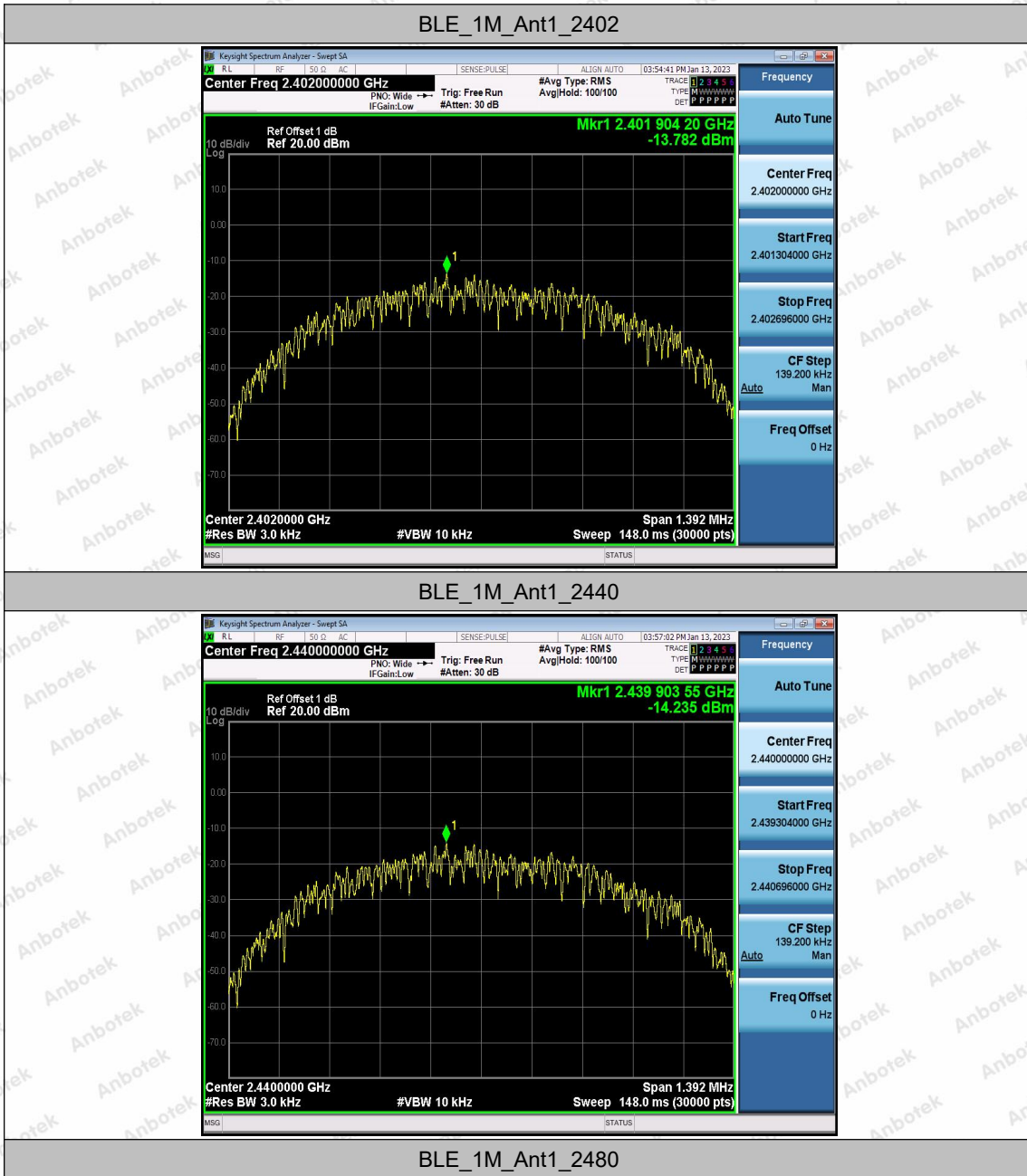
## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.78	≤8.00	PASS
		2440	-14.24	≤8.00	PASS
		2480	-14.83	≤8.00	PASS



## Test Graphs



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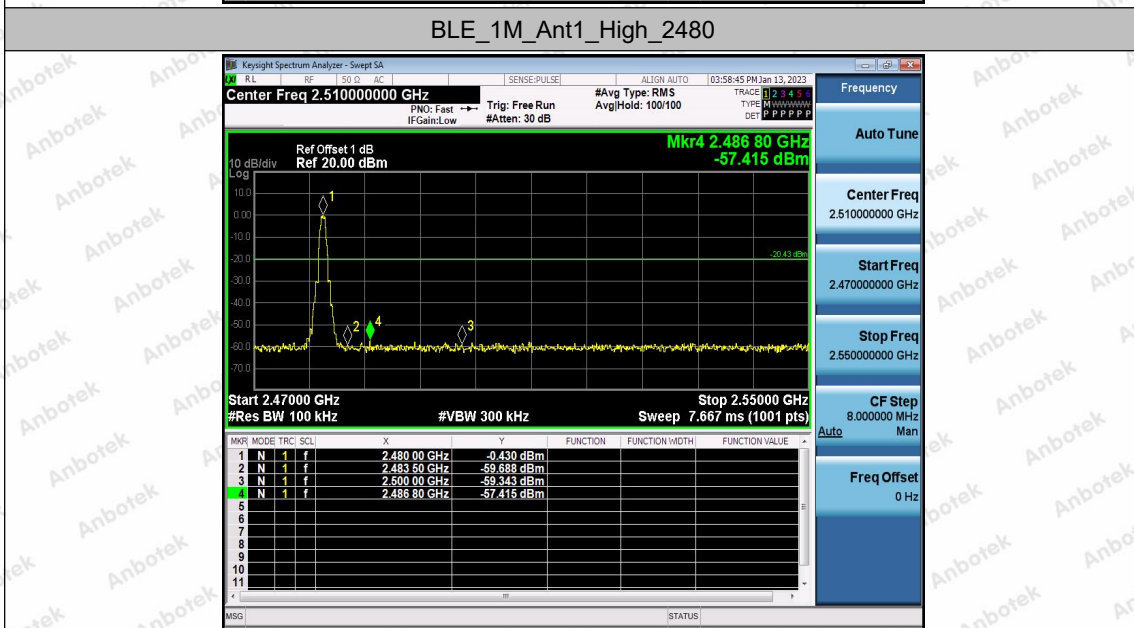
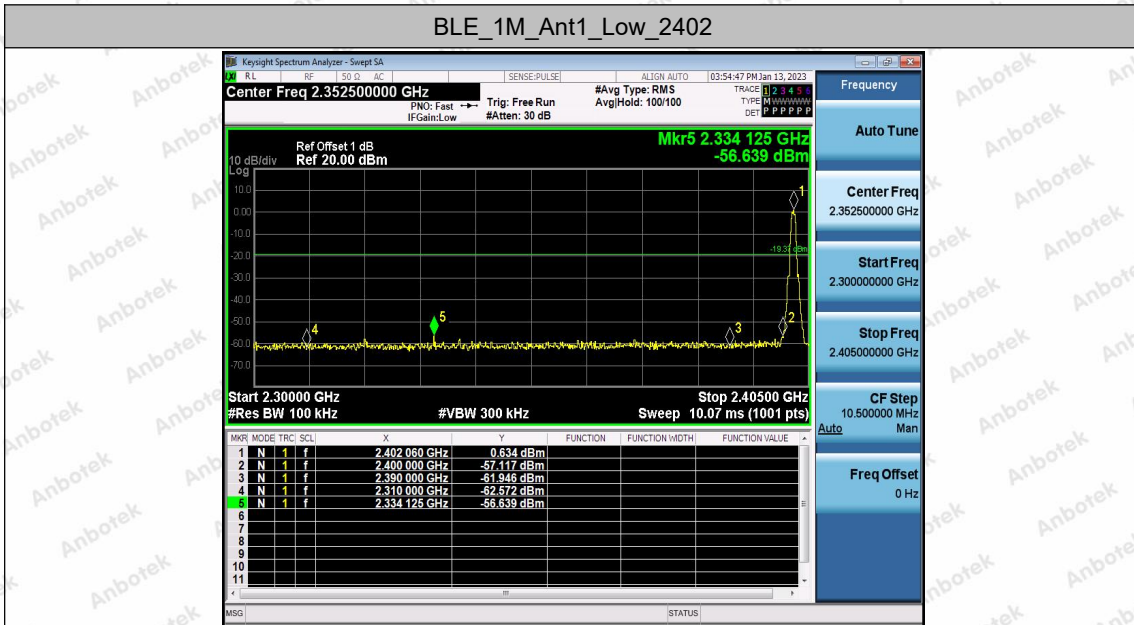
## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.63	-56.64	≤-19.37	PASS
		High	2480	-0.43	-57.42	≤-20.43	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	-0.35	-0.35	---	PASS
			30~1000	-0.35	-68.59	≤-20.35	PASS
			1000~26500	-0.35	-53.14	≤-20.35	PASS
		2440	Reference	-0.92	-0.92	---	PASS
			30~1000	-0.92	-68.91	≤-20.92	PASS
			1000~26500	-0.92	-52.56	≤-20.92	PASS
		2480	Reference	-0.68	-0.68	---	PASS
			30~1000	-0.68	-69.03	≤-20.68	PASS
			1000~26500	-0.68	-53.32	≤-20.68	PASS

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## Test Graphs



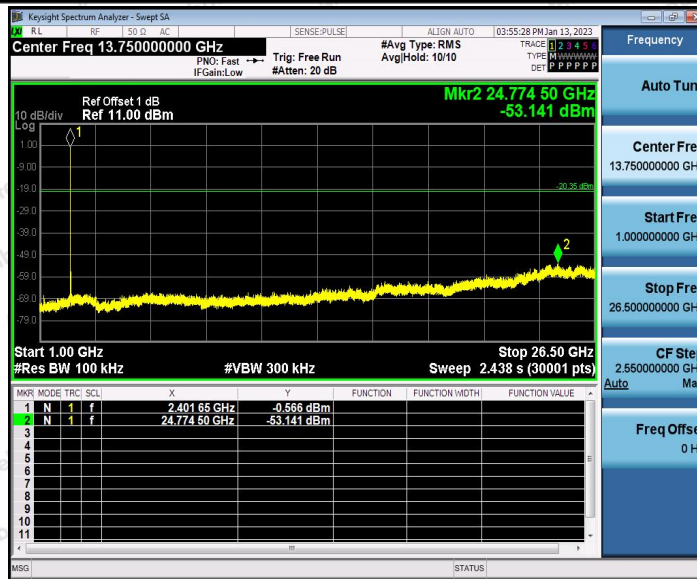
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BLE\_1M\_Ant1\_2440\_0~Reference



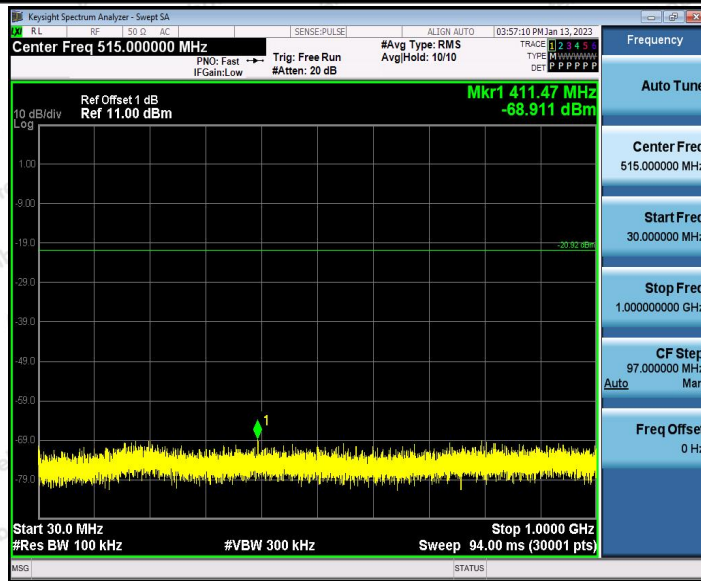
BLE\_1M\_Ant1\_2440\_30~1000

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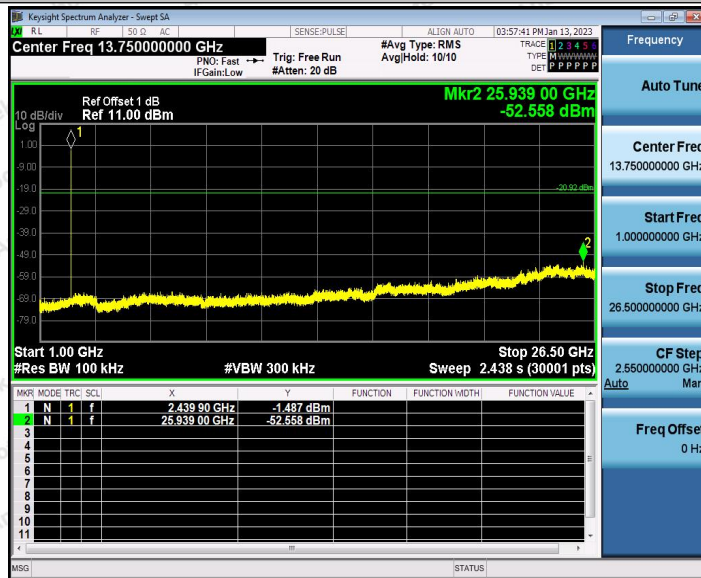
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BLE\_1M\_Ant1\_2440\_1000~26500



BLE\_1M\_Ant1\_2480\_0~Reference

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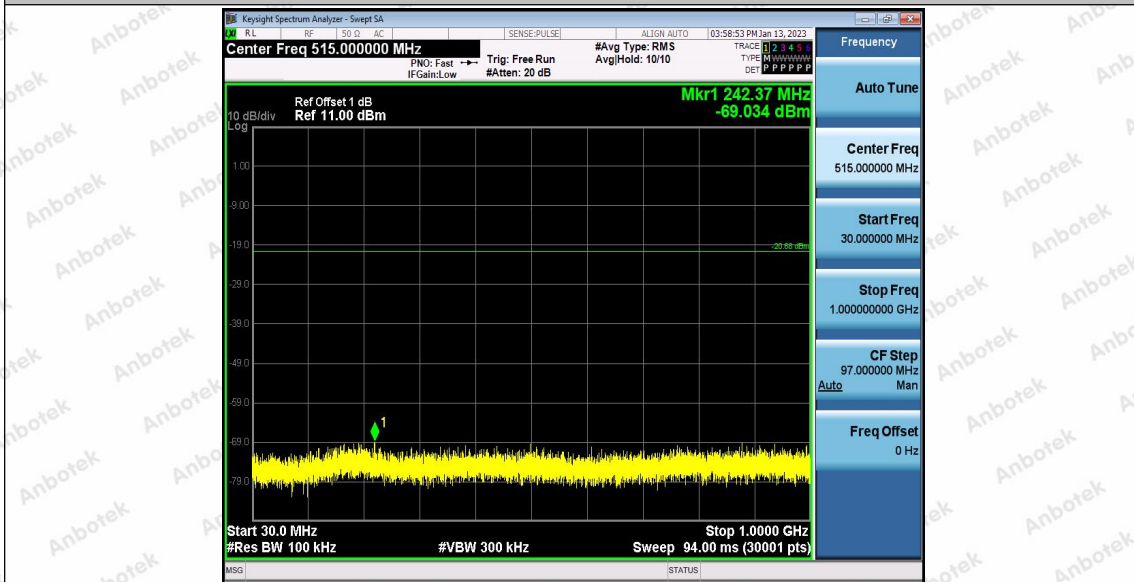
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BLE\_1M\_Ant1\_2480\_30~1000



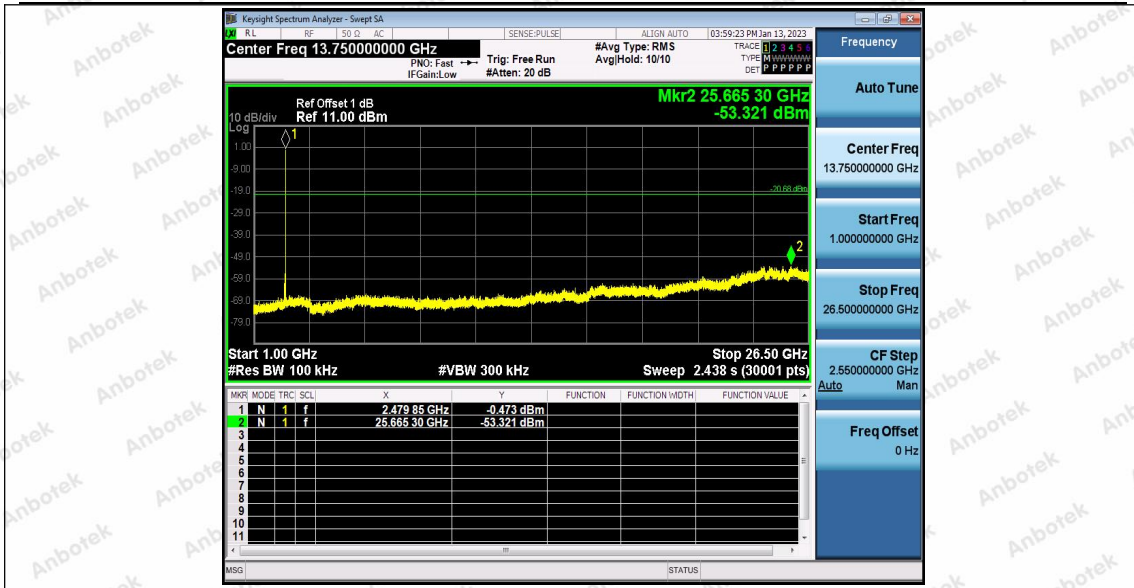
BLE\_1M\_Ant1\_2480\_1000~26500

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## Appendix G: Duty Cycle

### Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.63	60.32	2.20
		2440	0.38	0.63	60.32	2.20
		2480	0.38	0.63	60.32	2.20

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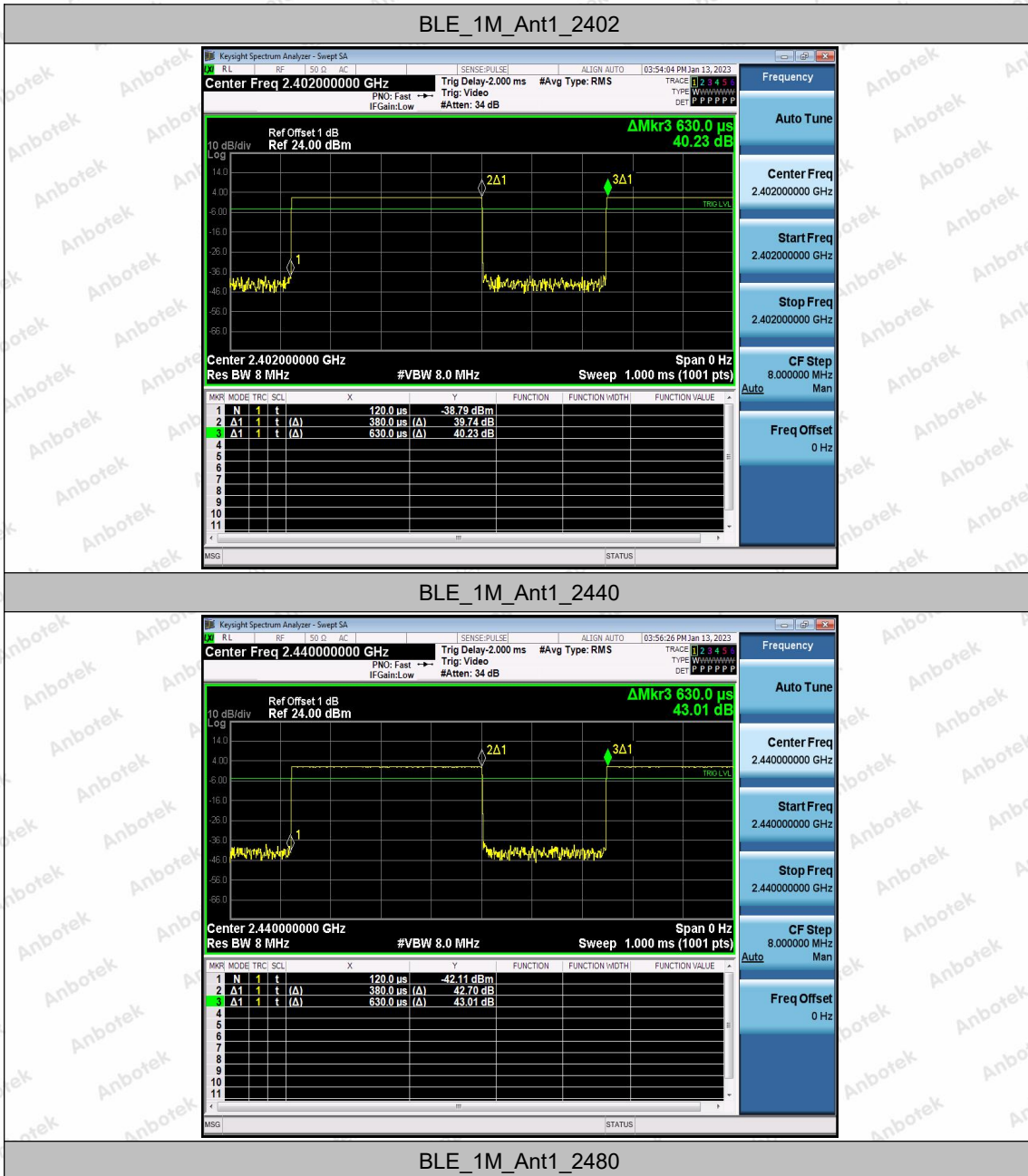
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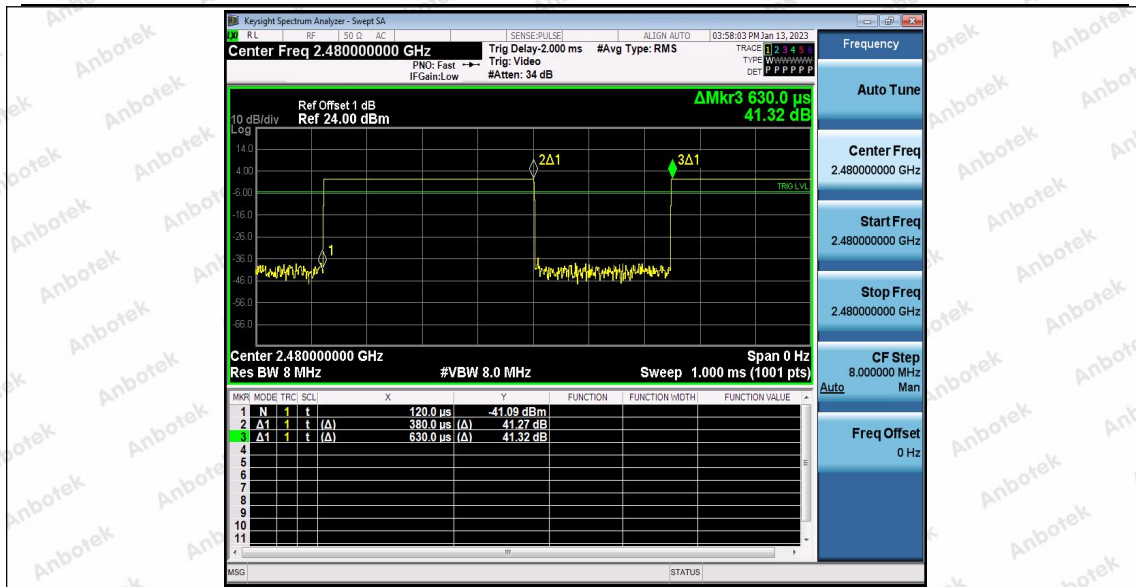


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