

## Appendix Test Data

Report No.:	18220WC30065504	Test Sample No.:	1-2-2
Start Test Date:	2023.4.17	Finish Test Date:	2023.4.28
Test Engineer:	RICK Luo	Auditor:	Edward Pan
Temperature:	24.9C°	Relative Humidity:	57 %
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	2401.672	2402.336	0.5	PASS
		2440	0.700	2439.640	2440.340	0.5	PASS
		2480	0.668	2479.668	2480.336	0.5	PASS

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## Test Graphs

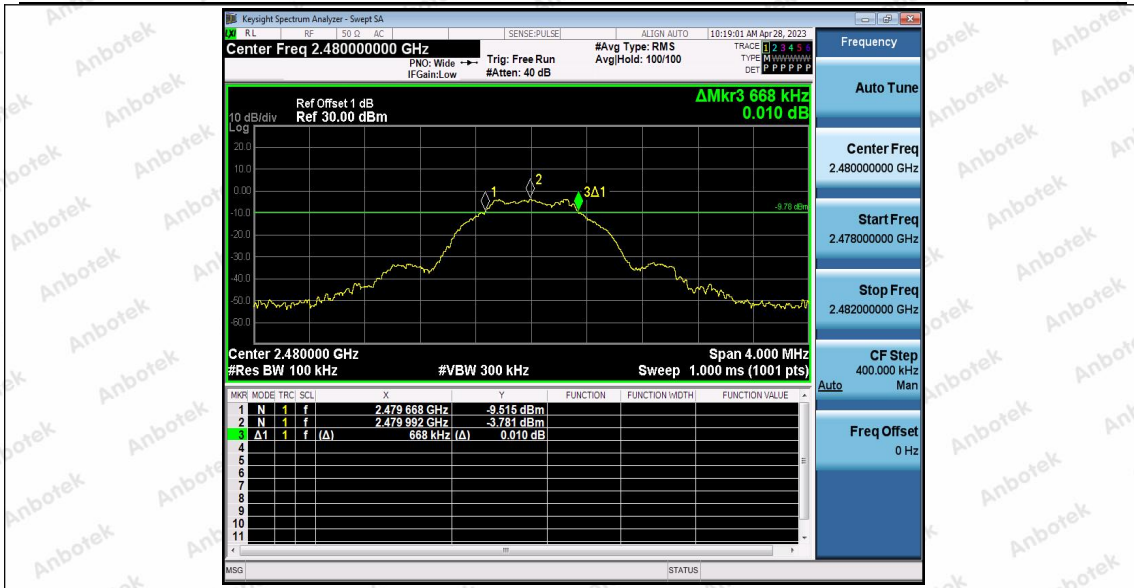


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## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0317	2401.4974	2402.5291
		2440	1.0311	2439.4962	2440.5273
		2480	1.0306	2479.4965	2480.5271

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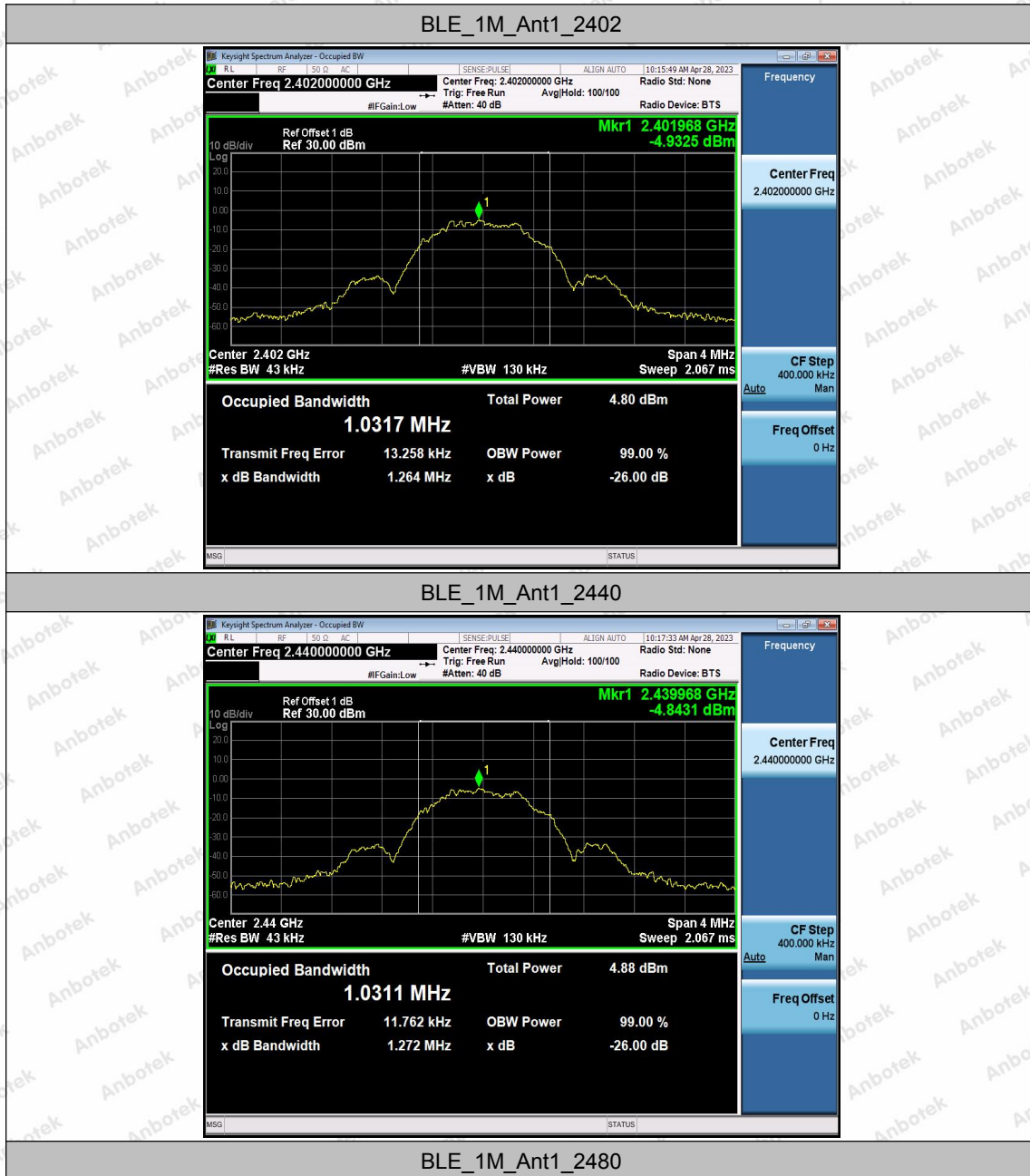
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## Test Graphs



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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	-1.48	≤30	PASS
		2440	-1.47	≤30	PASS
		2480	-2.79	≤30	PASS

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## Test Graphs Peak



BLE\_1M\_Ant1\_2480

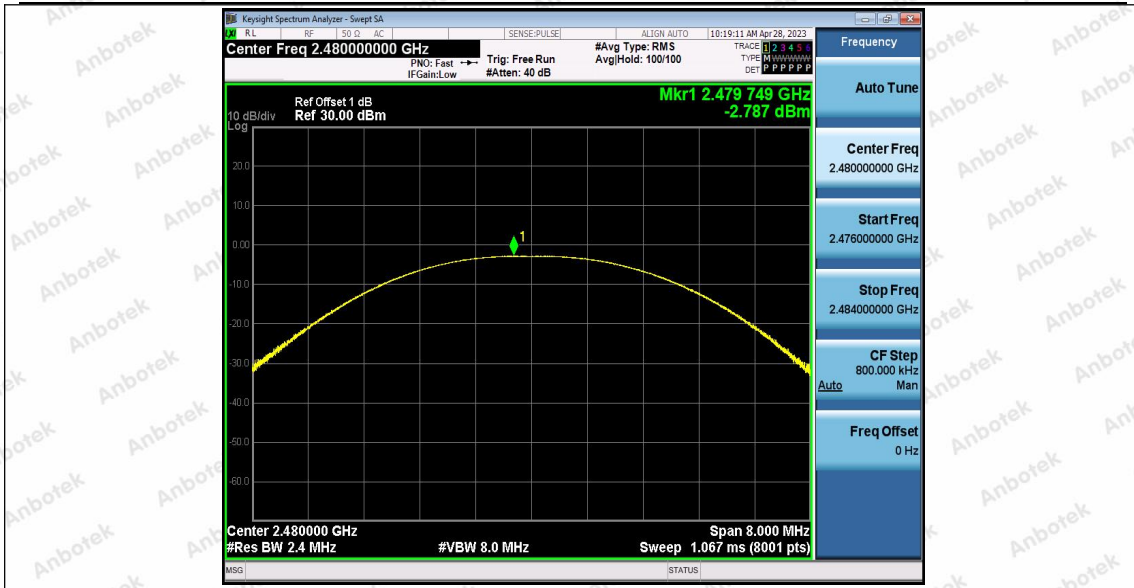
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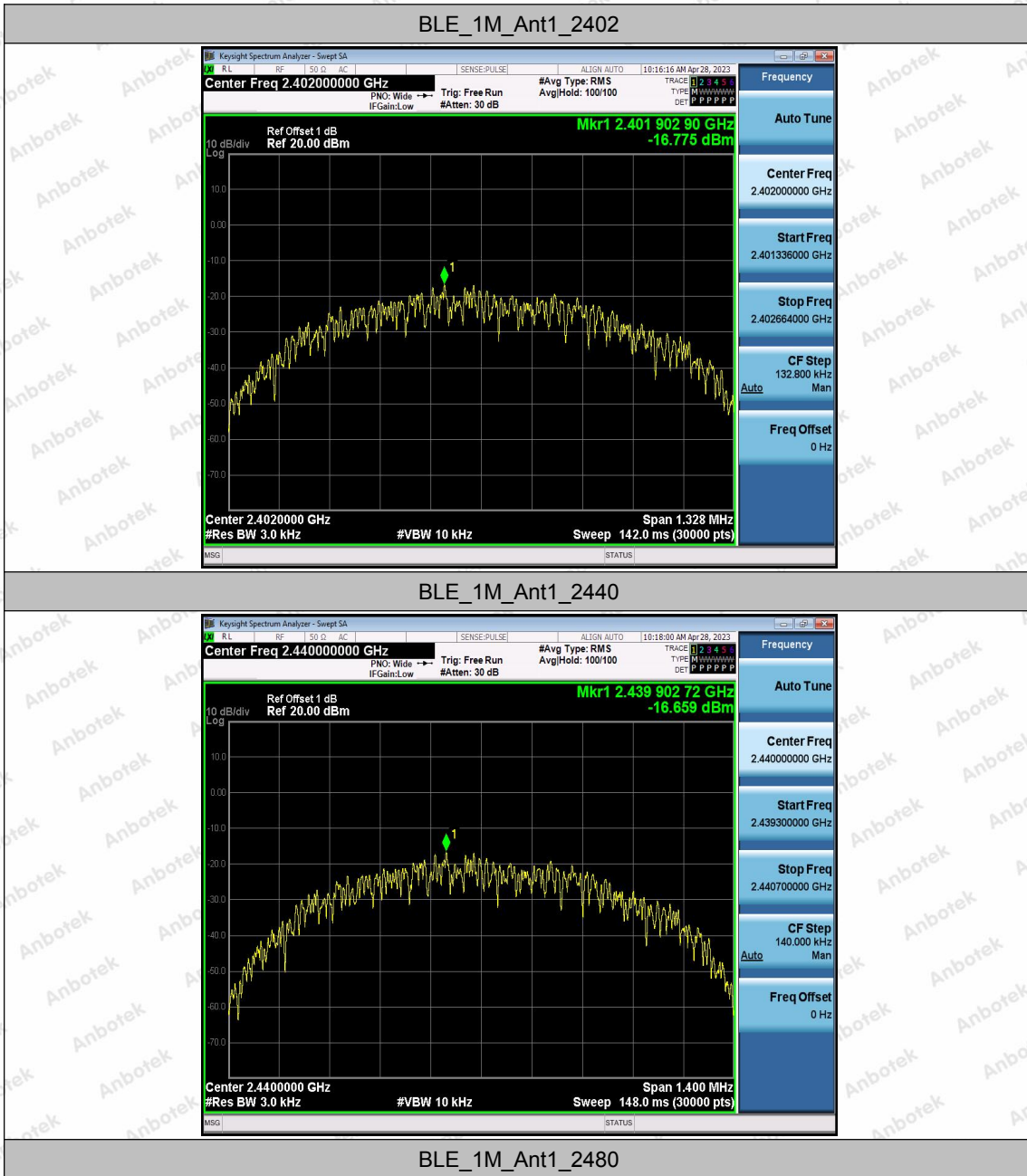
## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.78	≤8.00	PASS
		2440	-16.66	≤8.00	PASS
		2480	-18.06	≤8.00	PASS



## Test Graphs



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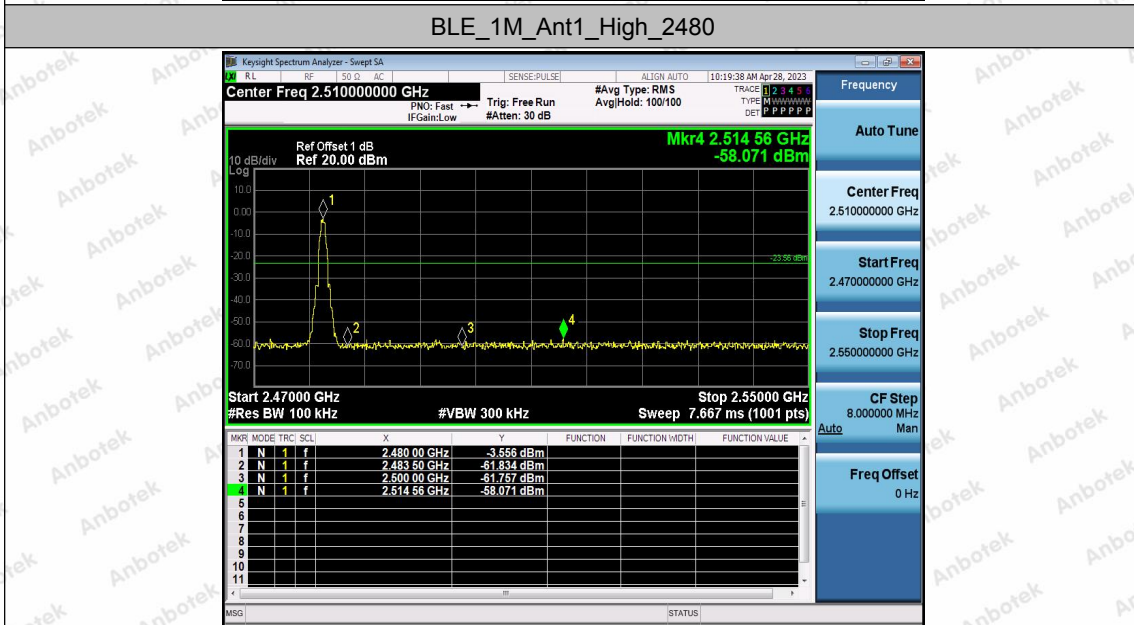
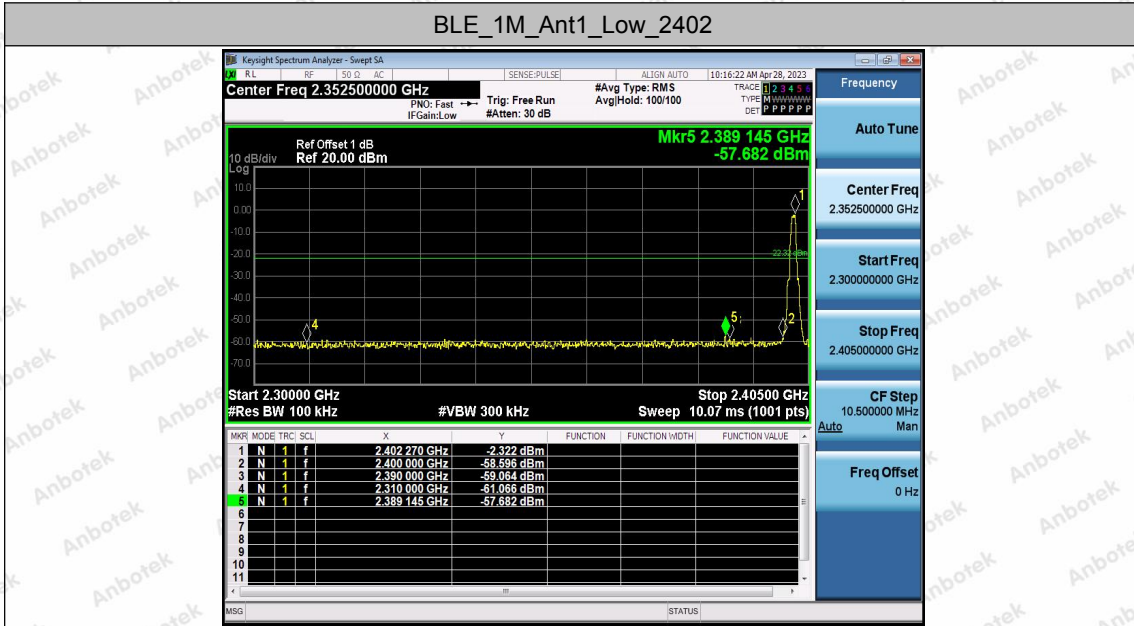
## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.32	-57.68	≤-22.32	PASS
		High	2480	-3.56	-58.07	≤-23.56	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	-2.73	-2.73	---	PASS
			30~1000	-2.73	-69.75	≤-22.73	PASS
			1000~26500	-2.73	-53.94	≤-22.73	PASS
		2440	Reference	-2.71	-2.71	---	PASS
			30~1000	-2.71	-69.18	≤-22.71	PASS
			1000~26500	-2.71	-53.29	≤-22.71	PASS
		2480	Reference	-3.78	-3.78	---	PASS
			30~1000	-3.78	-68.84	≤-23.78	PASS
			1000~26500	-3.78	-54.19	≤-23.78	PASS

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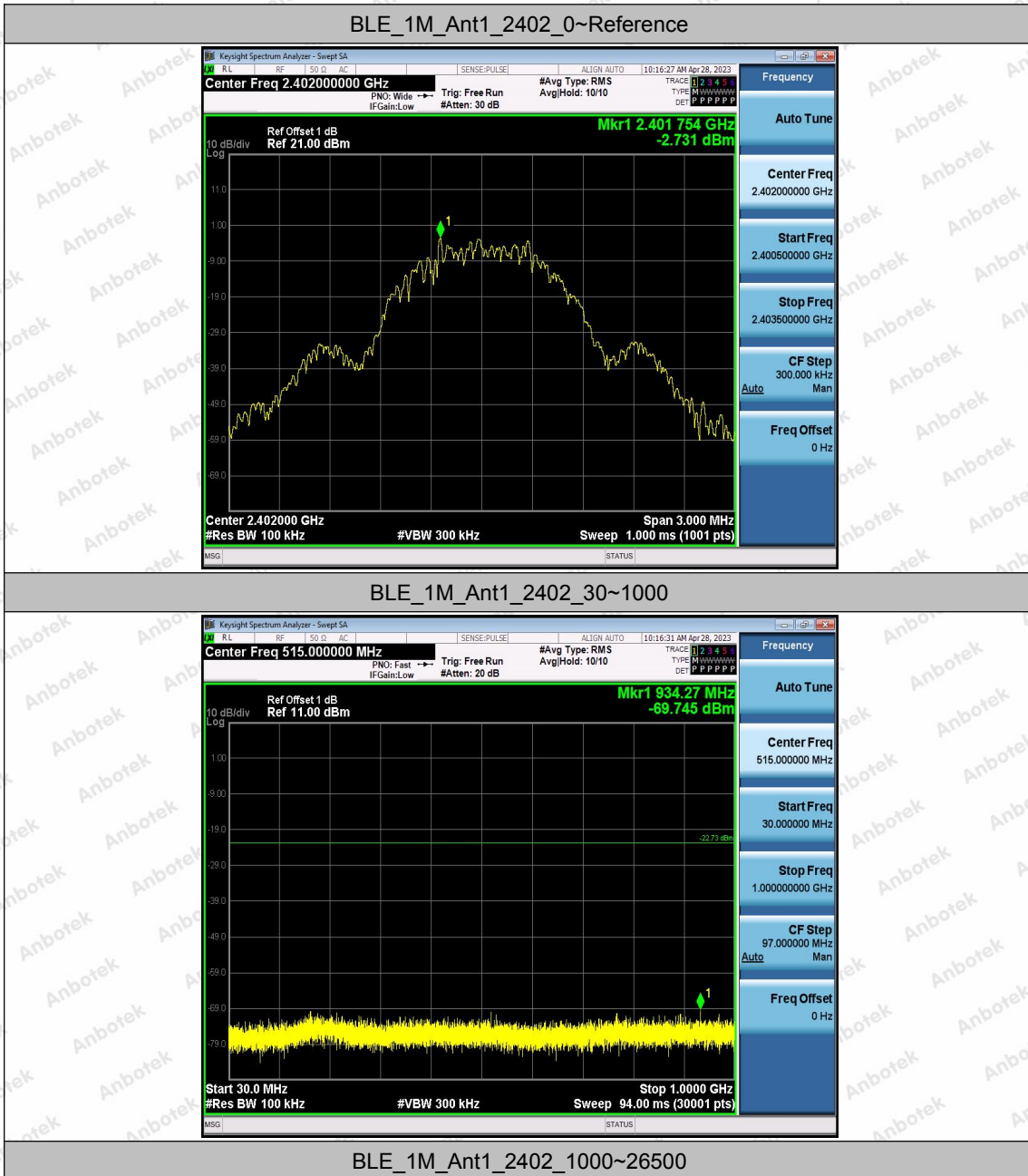
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## Test Graphs

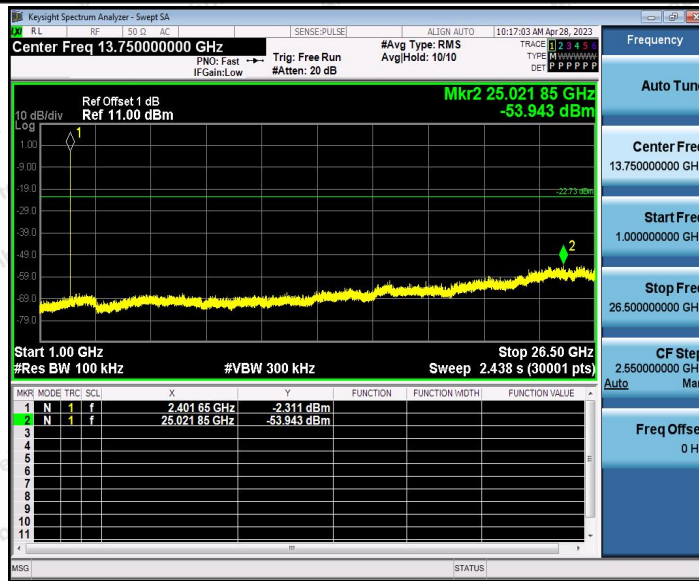


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BLE\_1M\_Ant1\_2440\_0~Reference



BLE\_1M\_Ant1\_2440\_30~1000

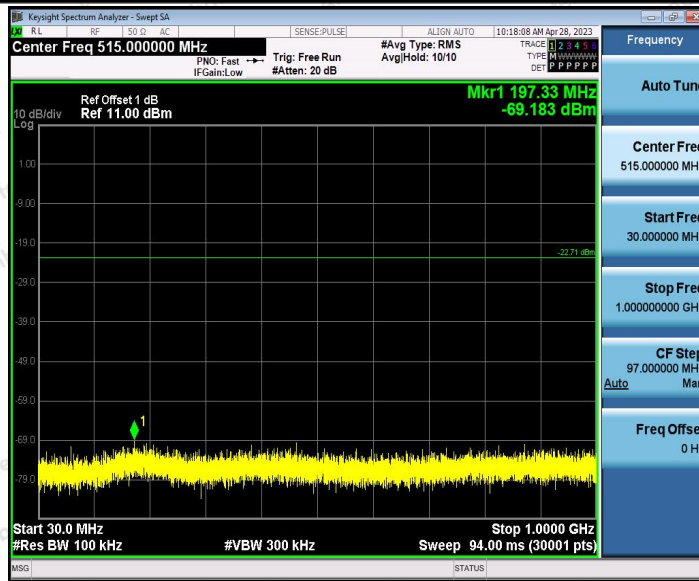
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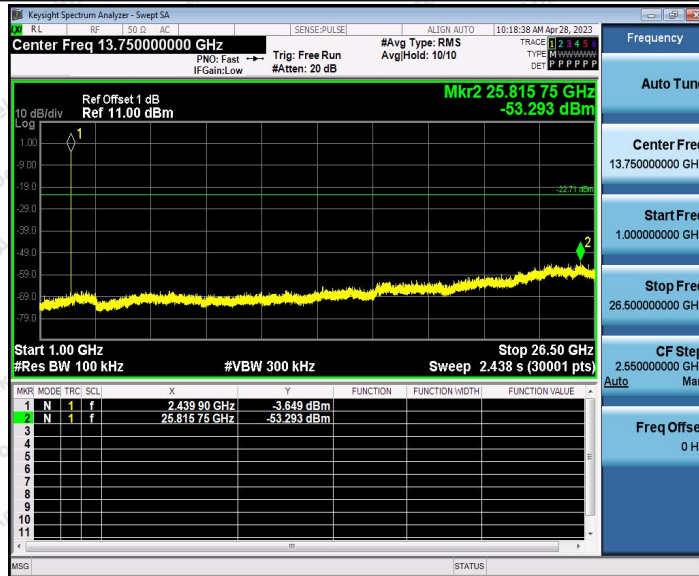
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BLE\_1M\_Ant1\_2440\_1000~26500



BLE\_1M\_Ant1\_2480\_0~Reference

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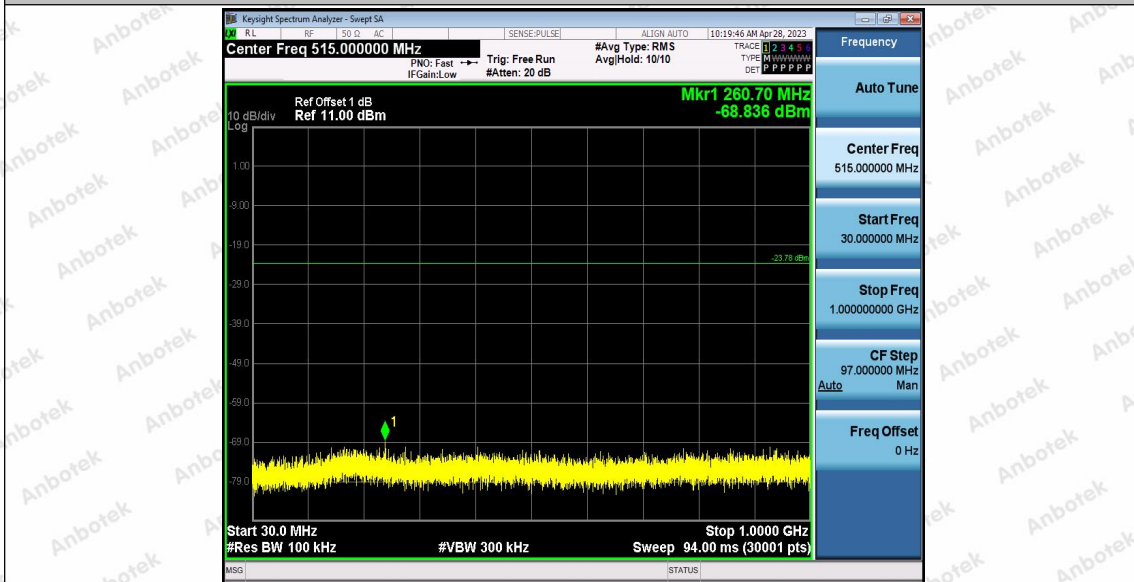
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BLE\_1M\_Ant1\_2480\_30~1000



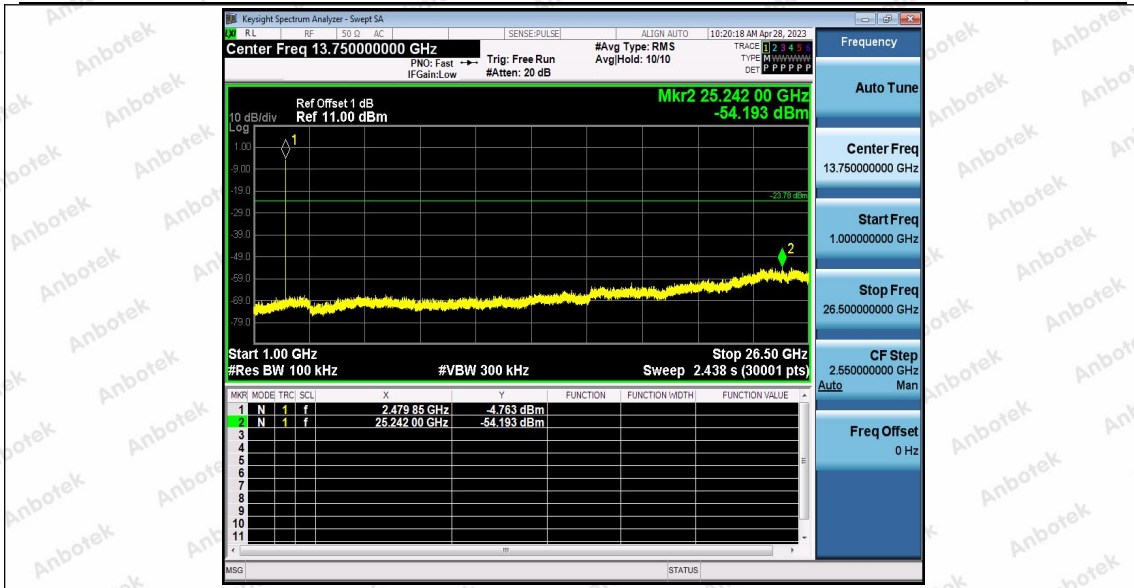
BLE\_1M\_Ant1\_2480\_1000~26500

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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	0.38	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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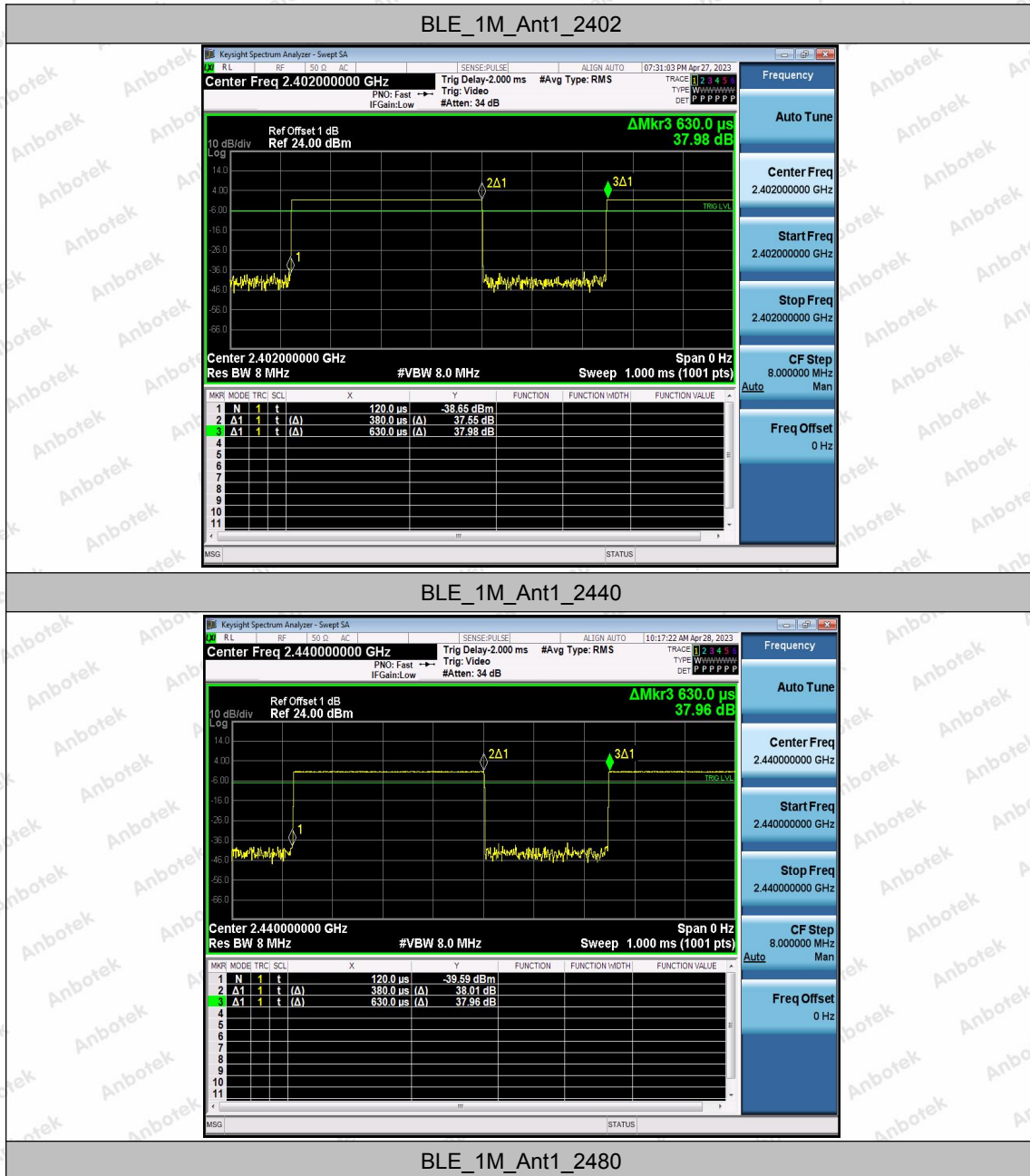
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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## Test Graphs



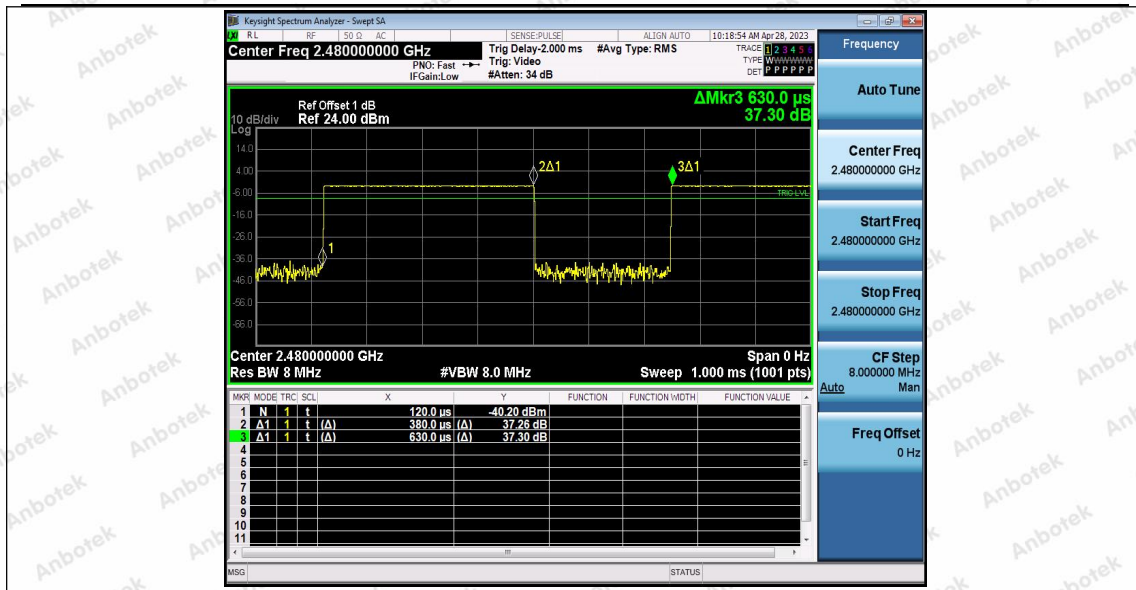
BLE\_1M\_Ant1\_2480

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