

## Appendix Test Data

Report No.:	18220WC20236901	Test Sample No.:	1-2-2
Start Test Date:	2022.10.10	Finish Test Date:	2022.10.25
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3C°	Relative Humidity:	47 %
Pressure:	1012 hPa		

## Appendix A: DTS Bandwidth

## Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[KHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.676	2402.336	≥500	PASS
		2440	0.656	2439.684	2440.340	≥500	PASS
		2480	0.672	2479.668	2480.340	≥500	PASS

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## Test Graphs

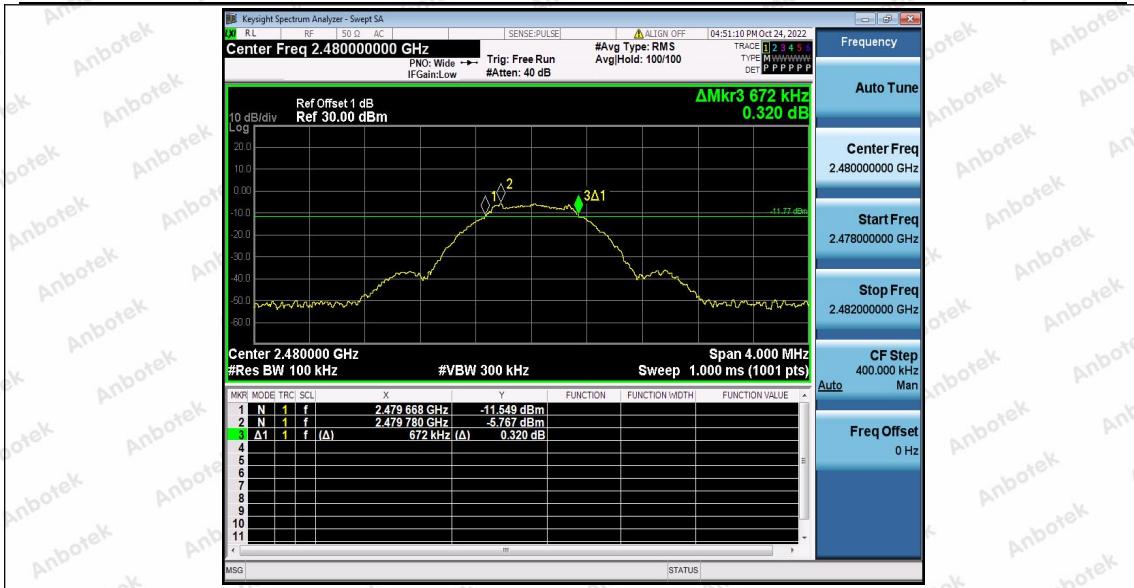


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## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0181	2401.5009	2402.5190
		2440	1.0150	2439.4952	2440.5102
		2480	1.0283	2479.4909	2480.5192

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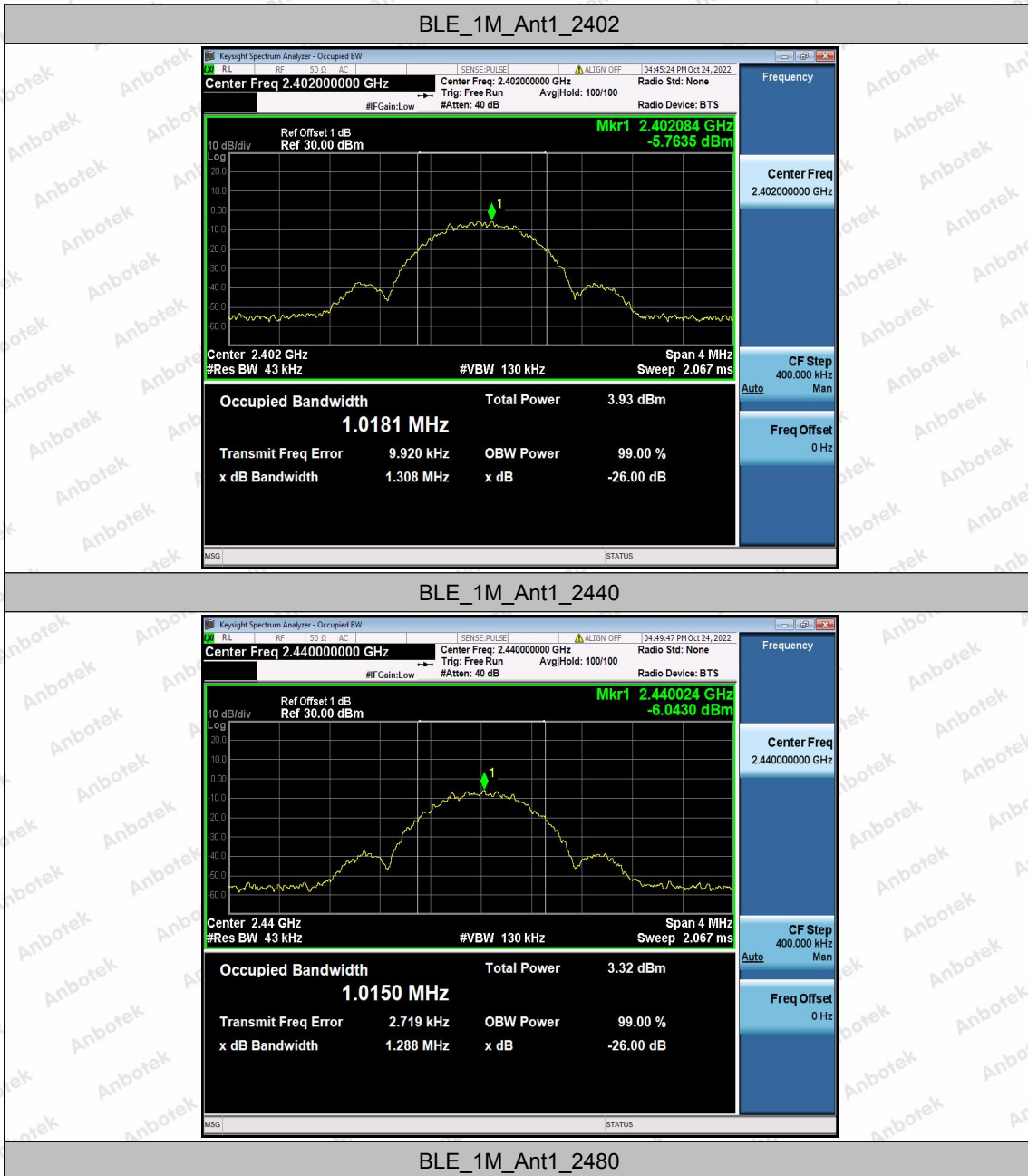
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## Test Graphs



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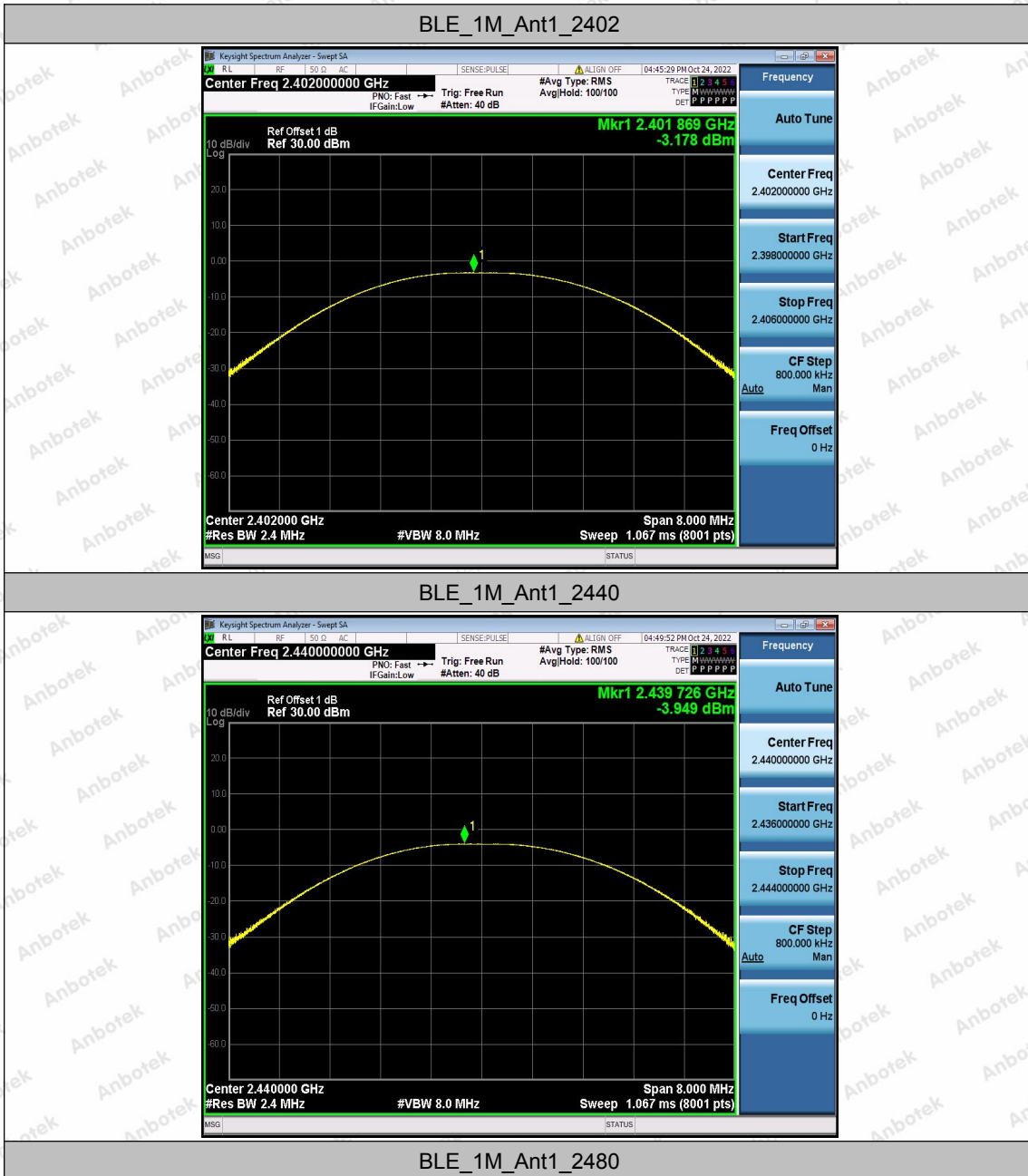
## Appendix C: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.18	≤30	PASS
		2440	-3.95	≤30	PASS
		2480	-4.8	≤30	PASS



## Test Graphs Peak



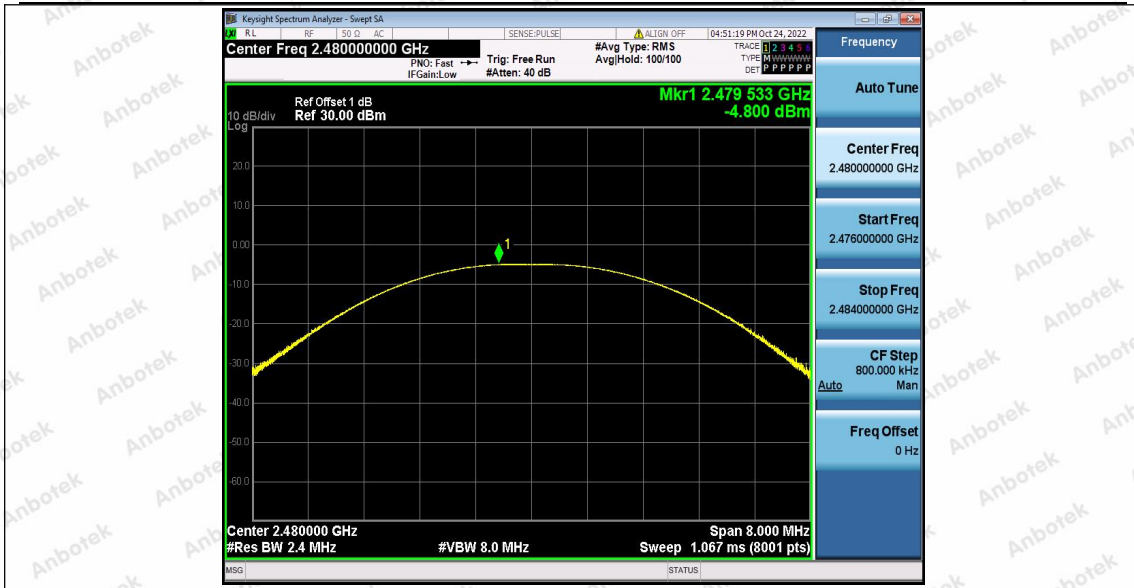
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## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.59	≤8.00	PASS
		2440	-12.91	≤8.00	PASS
		2480	-13.74	≤8.00	PASS



## Test Graphs

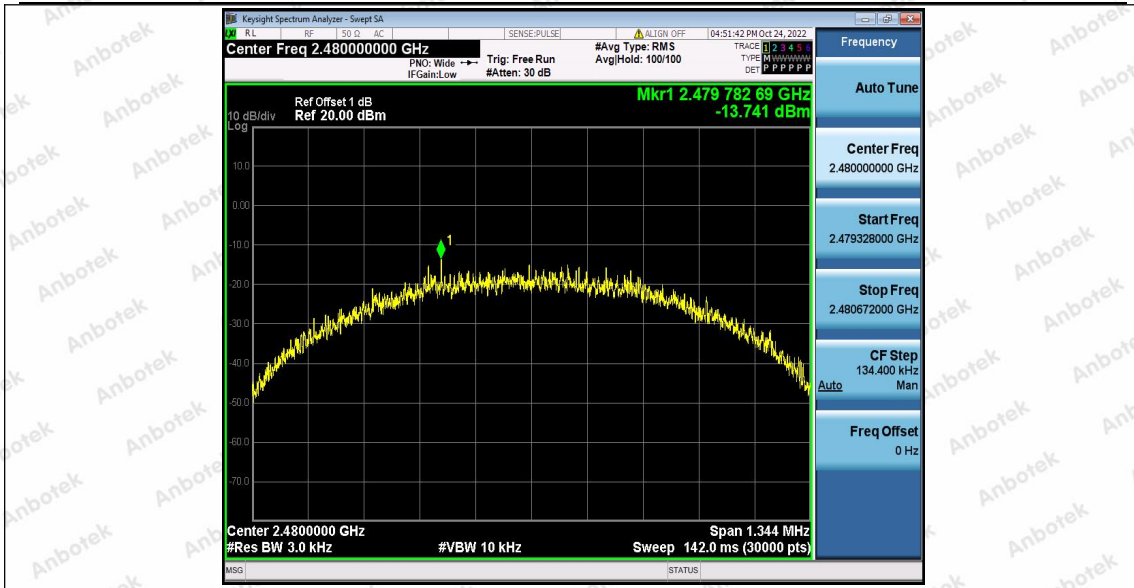


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## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-4.00	-57.44	≤-24	PASS
		High	2480	-5.49	-57.19	≤-25.49	PASS

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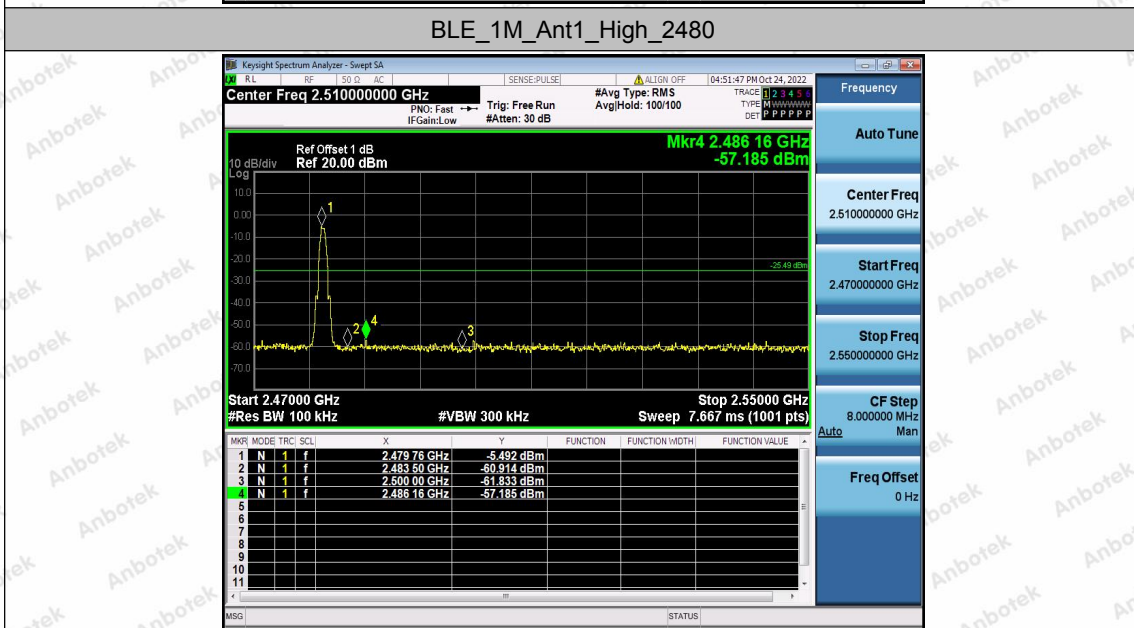
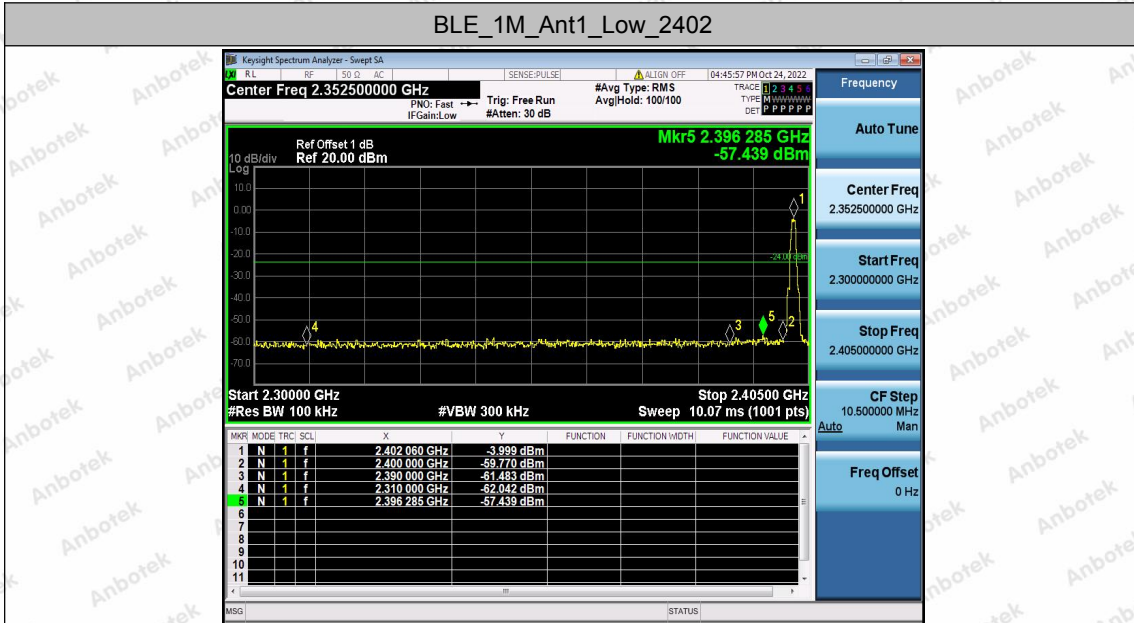
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## Test Graphs



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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	-4.83	-4.83	---	PASS
			30~1000	-4.83	-52.24	≤-24.83	PASS
			1000~26500	-4.83	-40.99	≤-24.83	PASS
		2440	Reference	-4.85	-4.85	---	PASS
			30~1000	-4.85	-52.15	≤-24.85	PASS
			1000~26500	-4.85	-42.75	≤-24.85	PASS
		2480	Reference	-6.85	-6.85	---	PASS
			30~1000	-6.85	-52.2	≤-26.85	PASS
			1000~26500	-6.85	-42.73	≤-26.85	PASS

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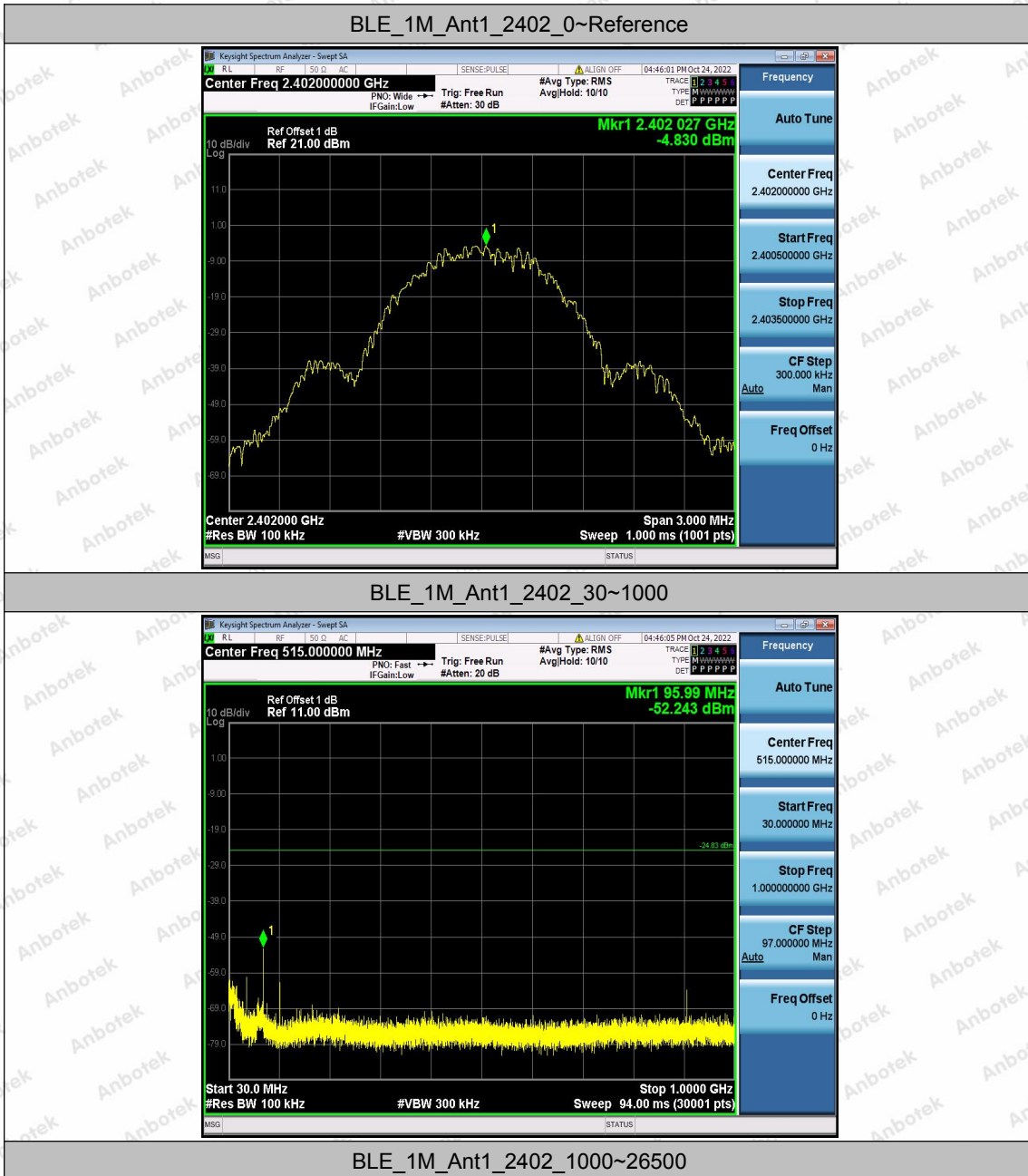
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## Test Graphs



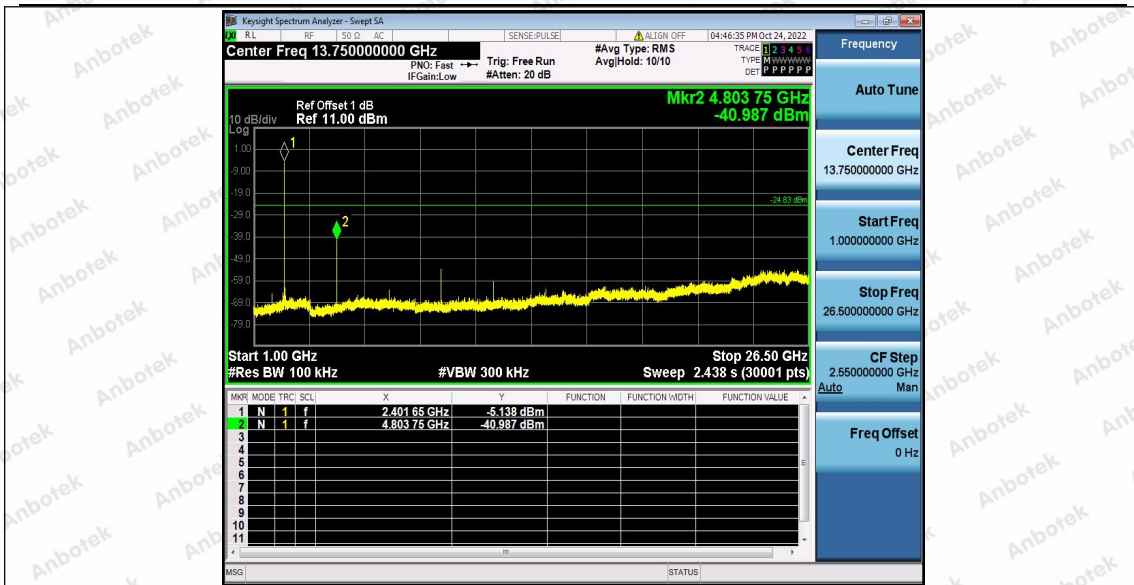
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BLE\_1M\_Ant1\_2440\_0~Reference



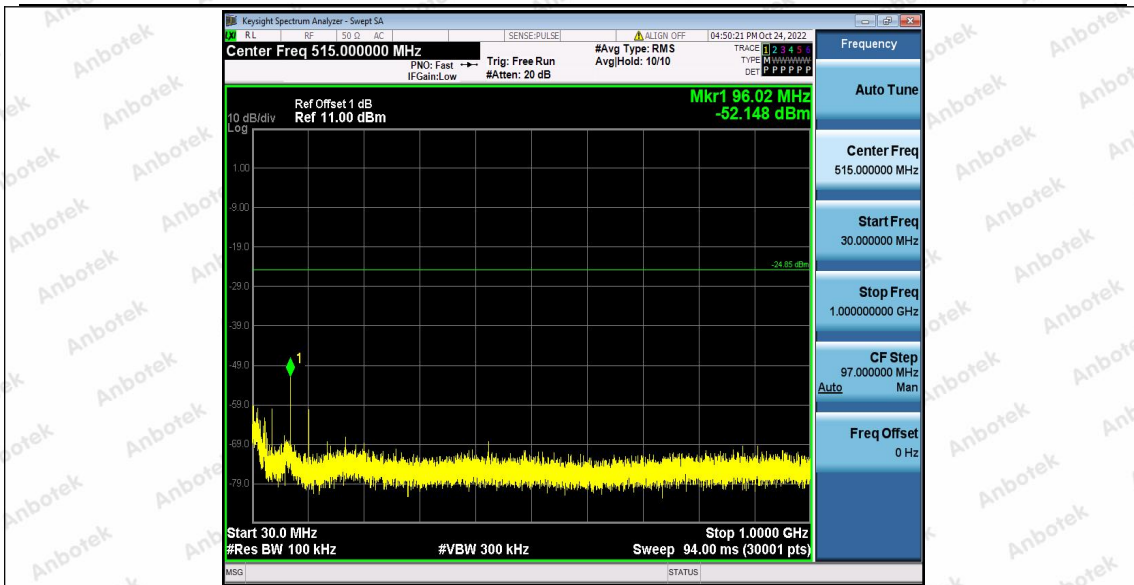
BLE\_1M\_Ant1\_2440\_30~1000

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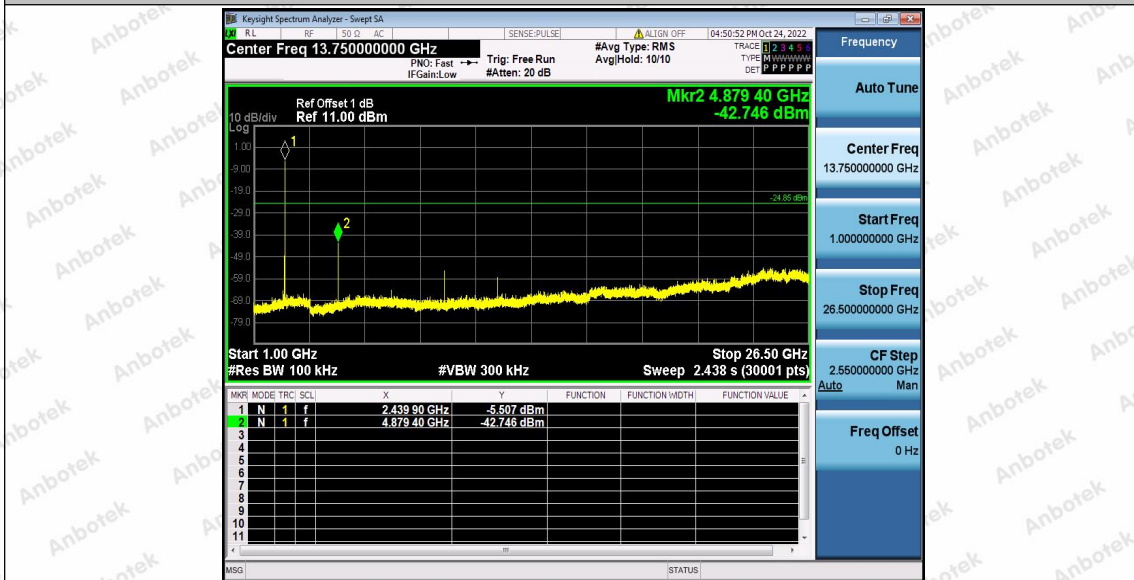
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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BLE\_1M\_Ant1\_2440\_1000~26500



BLE\_1M\_Ant1\_2480\_0~Reference

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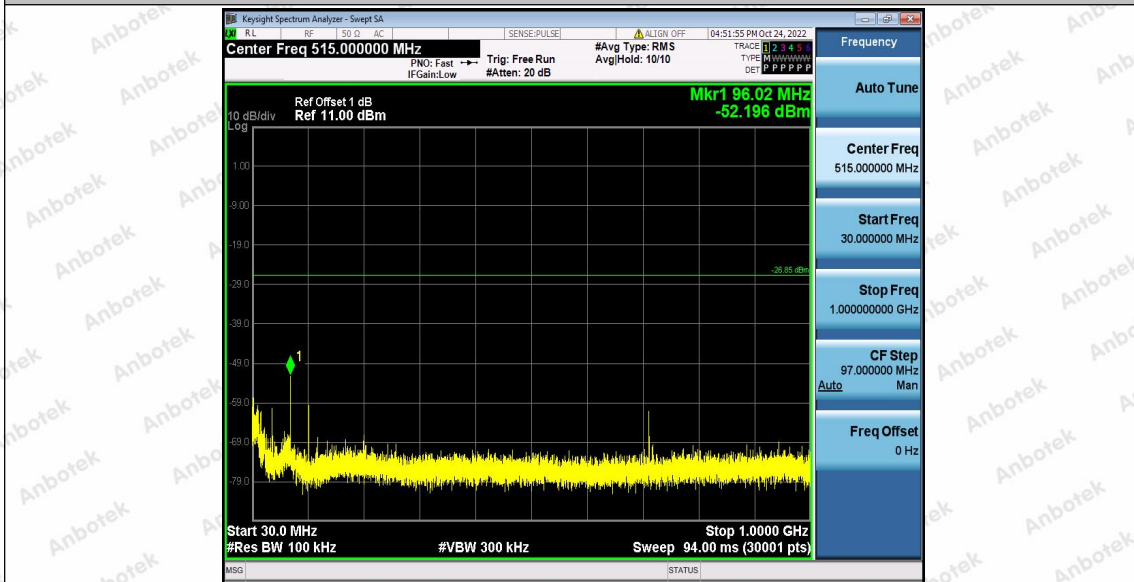
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BLE\_1M\_Ant1\_2480\_30~1000



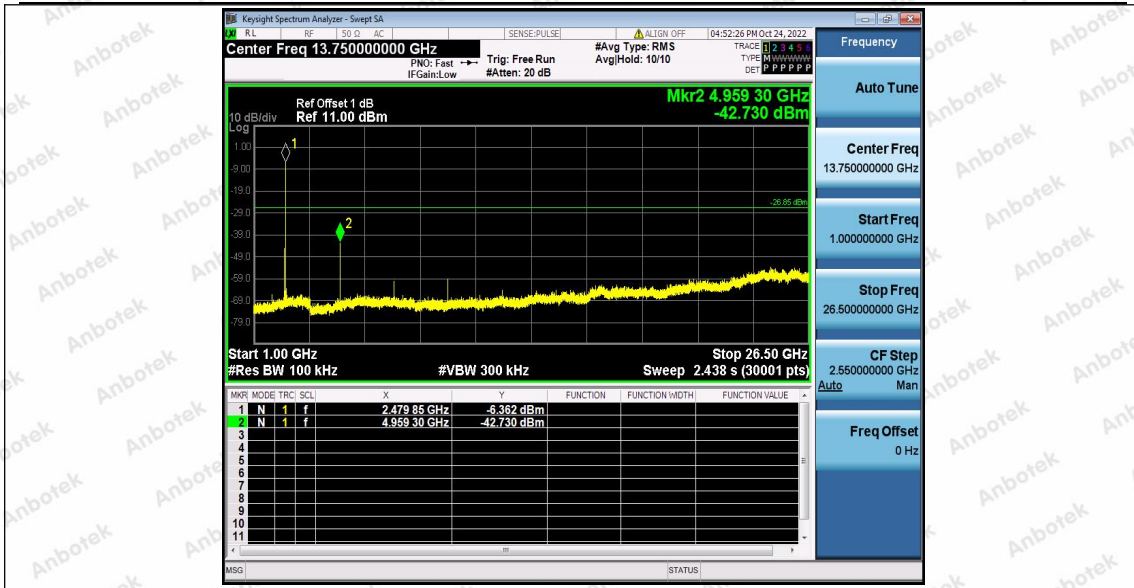
BLE\_1M\_Ant1\_2480\_1000~26500

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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	1	1	100	0
		2440	1	1	100	0
		2480	1	1	100	0

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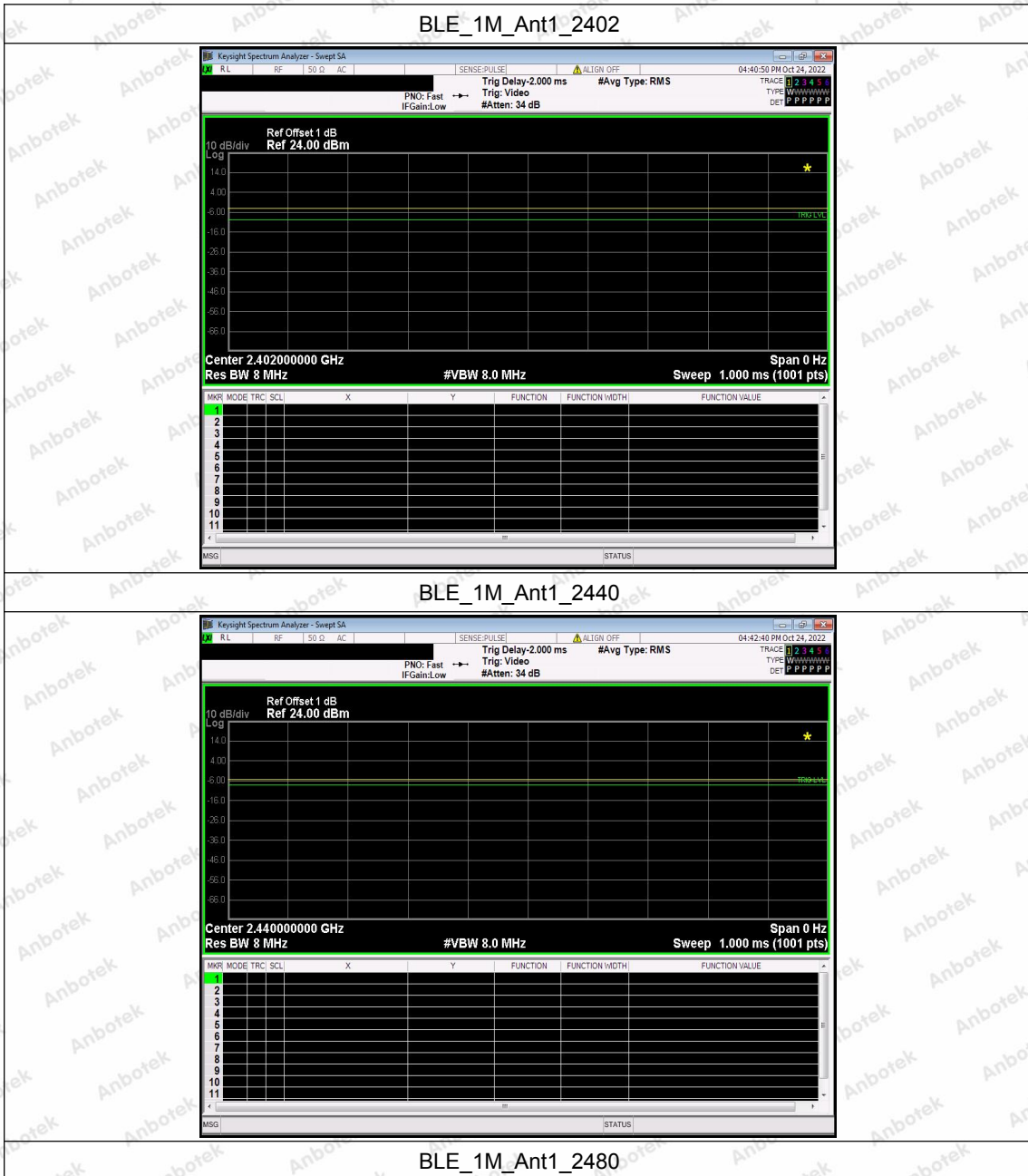
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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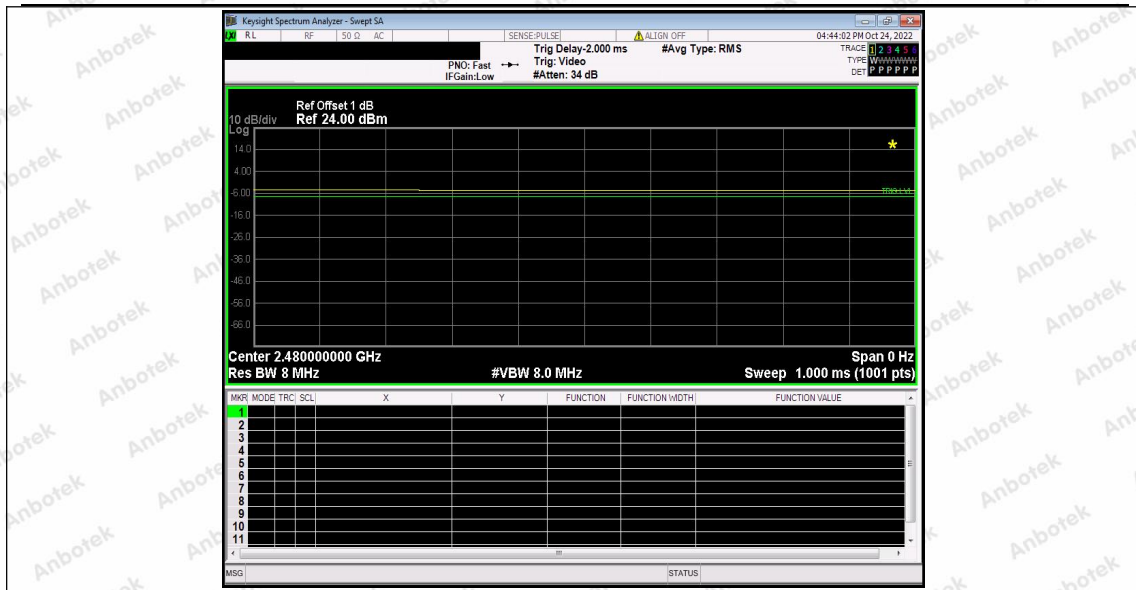


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## Test Graphs


**BLE\_1M\_Ant1\_2440**
**BLE\_1M\_Ant1\_2480**

---End---

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