

## Appendix Test Data

Report No.:	182512C400099101	Test Sample No.:	1-2-2
Start Test Date:	2024.5.28	Finish Test Date:	2024.6.3
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.3°C	Relative Humidity:	48%
Pressure:	101kPa		

## Appendix A: 6dB Bandwidth

## Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.672	2402.332	0.5	PASS
BLE_1M	Ant1	2440	0.676	2439.644	2440.320	0.5	PASS
BLE_1M	Ant1	2480	0.656	2479.676	2480.332	0.5	PASS



## Test Graphs



BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2440-PASS



BLE\_1M-Ant1-2480-PASS

### Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,  
Tel: (86)0755-26066440 Email: service@anbotek.com



Hotline  
400-003-0500  
www.anbotek.com



## Appendix B: 99% Occupied Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0235	2401.4931	2402.5166	---	---
BLE_1M	Ant1	2440	1.0295	2439.4940	2440.5235	---	---
BLE_1M	Ant1	2480	1.0309	2479.4894	2480.5203	---	---



## Test Graphs



BLE\_1M-Ant1-2402



BLE\_1M-Ant1-2440



BLE\_1M-Ant1-2480

### Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,  
Tel: (86)0755-26066440 Email: service@anbotek.com



Hotline  
400-003-0500  
www.anbotek.com



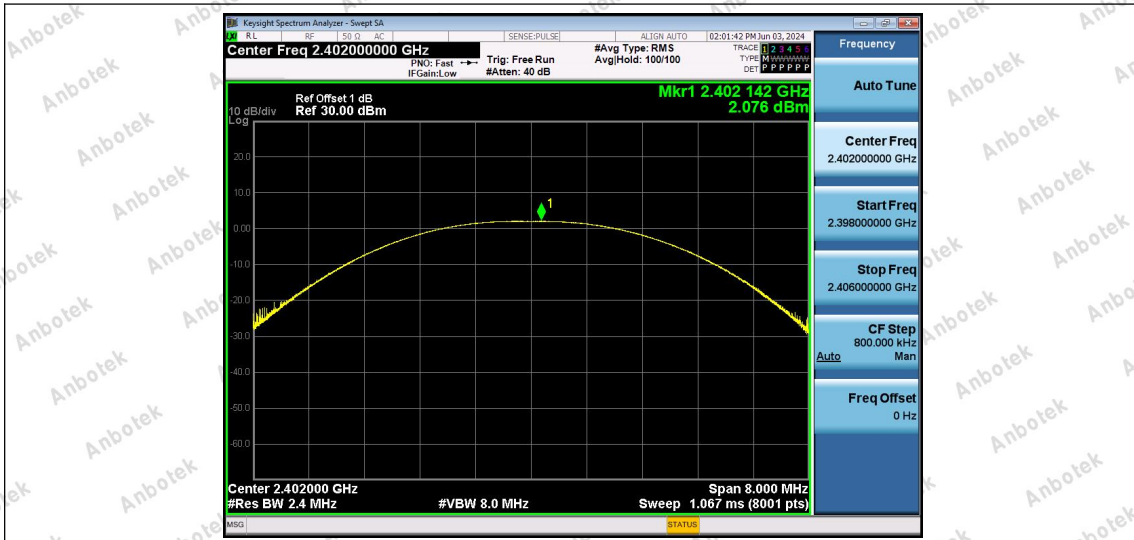
## Appendix C: Maximum conducted output power

### Test Result Peak

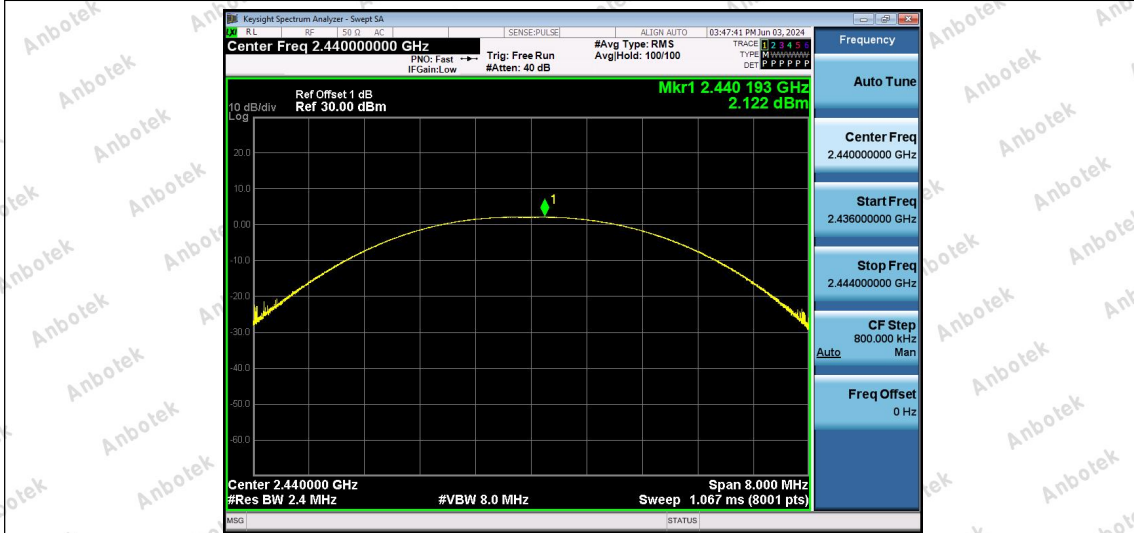
TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.08	≤30	PASS
BLE_1M	Ant1	2440	<b>2.12</b>	≤30	PASS
BLE_1M	Ant1	2480	1.85	≤30	PASS



## Test Graphs Peak



BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2440-PASS



BLE\_1M-Ant1-2480-PASS

### Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,  
Tel: (86)0755-26066440 Email: service@anbotek.com



Hotline  
400-003-0500  
www.anbotek.com



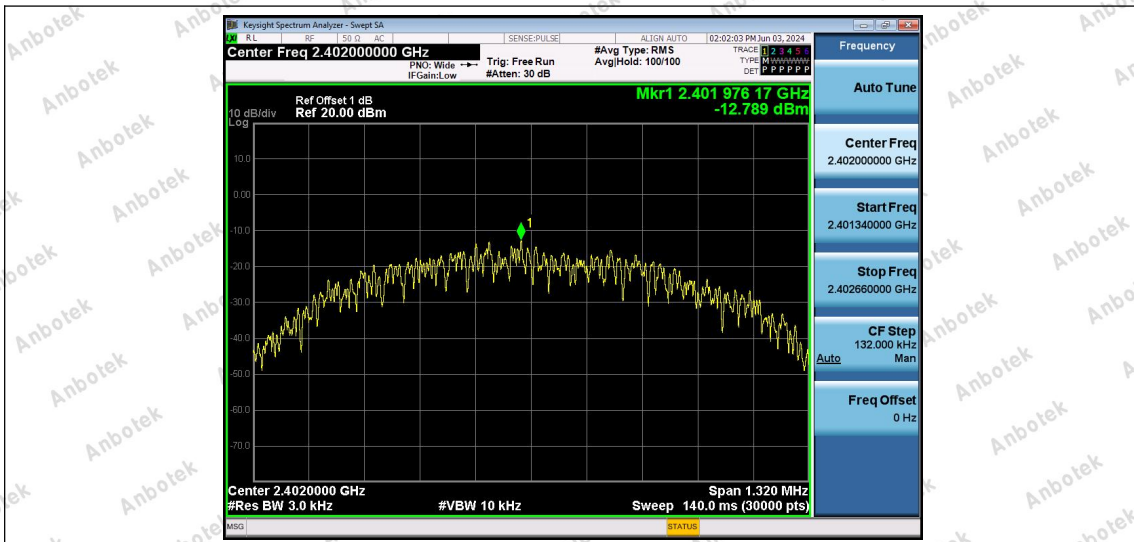
## Appendix D: Maximum power spectral density

### Test Result

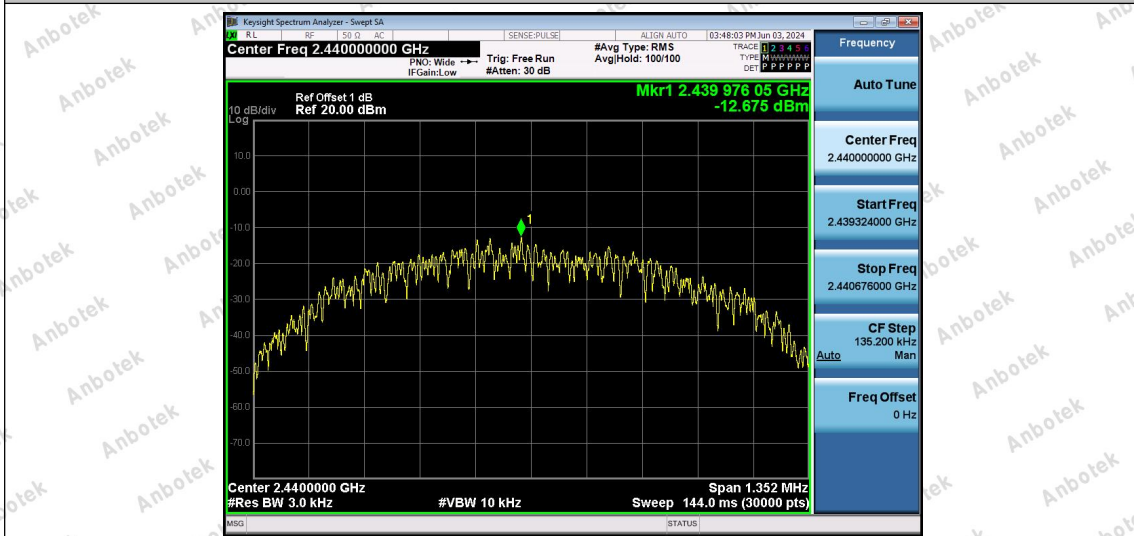
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.79	≤8.00	PASS
BLE_1M	Ant1	2440	-12.68	≤8.00	PASS
BLE_1M	Ant1	2480	-12.99	≤8.00	PASS



## Test Graphs



BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2440-PASS



BLE\_1M-Ant1-2480-PASS

### Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahongcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,  
Tel: (86)0755-26066440 Email: service@anbotek.com

Hotline 400-003-0500  
www.anbotek.com





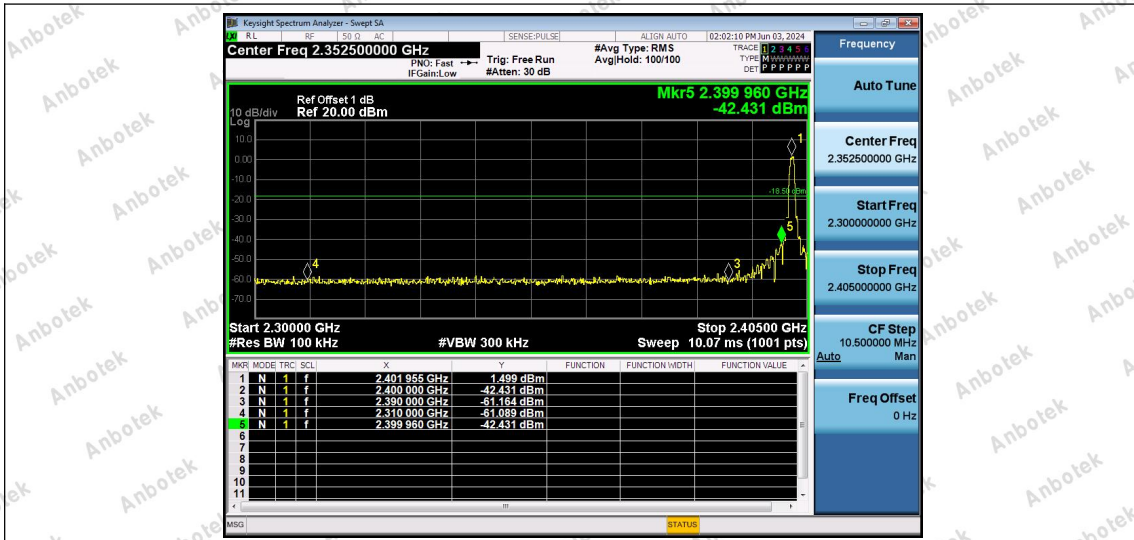
## Appendix E: Band edge measurements

### Test Result

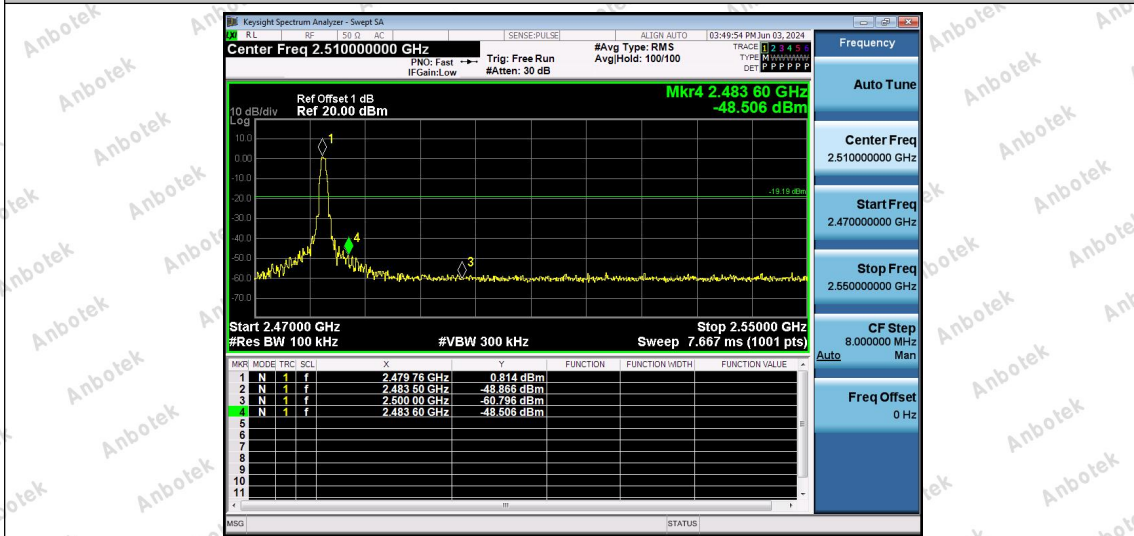
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.50	-42.43	≤-18.5	PASS
BLE_1M	Ant1	High	2480	0.81	-48.51	≤-19.19	PASS



## Test Graphs



BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2480-PASS



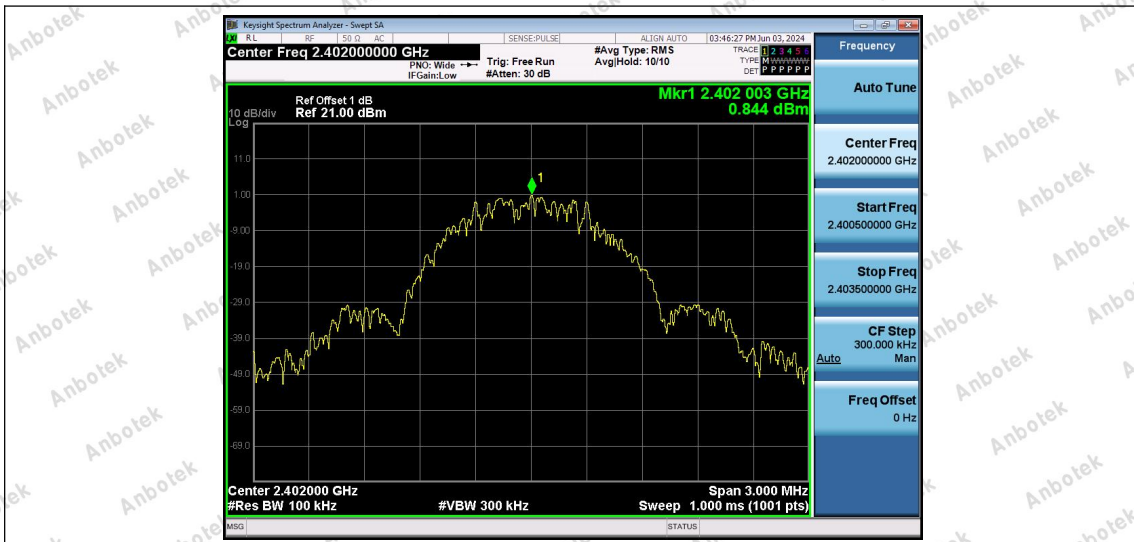
## Appendix F: Conducted Spurious Emission

### Test Result

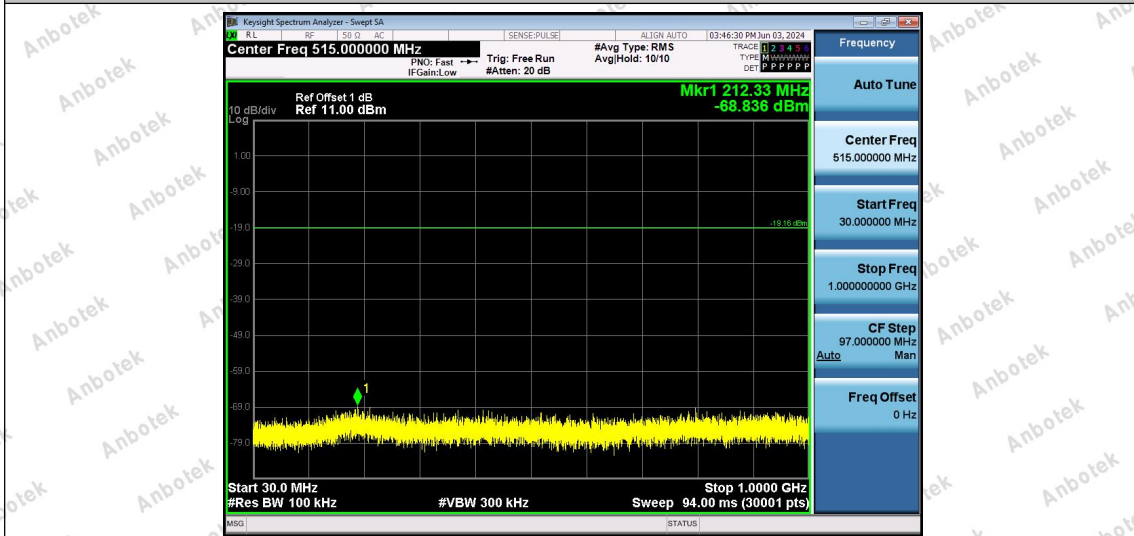
TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.84	0.84	---	PASS
BLE_1M	Ant1	2402	30~1000	0.84	-68.84	≤-19.16	PASS
BLE_1M	Ant1	2402	1000~26500	0.84	-47.66	≤-19.16	PASS
BLE_1M	Ant1	2440	0~Reference	1.08	1.08	---	PASS
BLE_1M	Ant1	2440	30~1000	1.08	-69.06	≤-18.92	PASS
BLE_1M	Ant1	2440	1000~26500	1.08	-46.22	≤-18.92	PASS
BLE_1M	Ant1	2480	0~Reference	0.86	0.86	---	PASS
BLE_1M	Ant1	2480	30~1000	0.86	-68.09	≤-19.14	PASS
BLE_1M	Ant1	2480	1000~26500	0.86	-48.31	≤-19.14	PASS



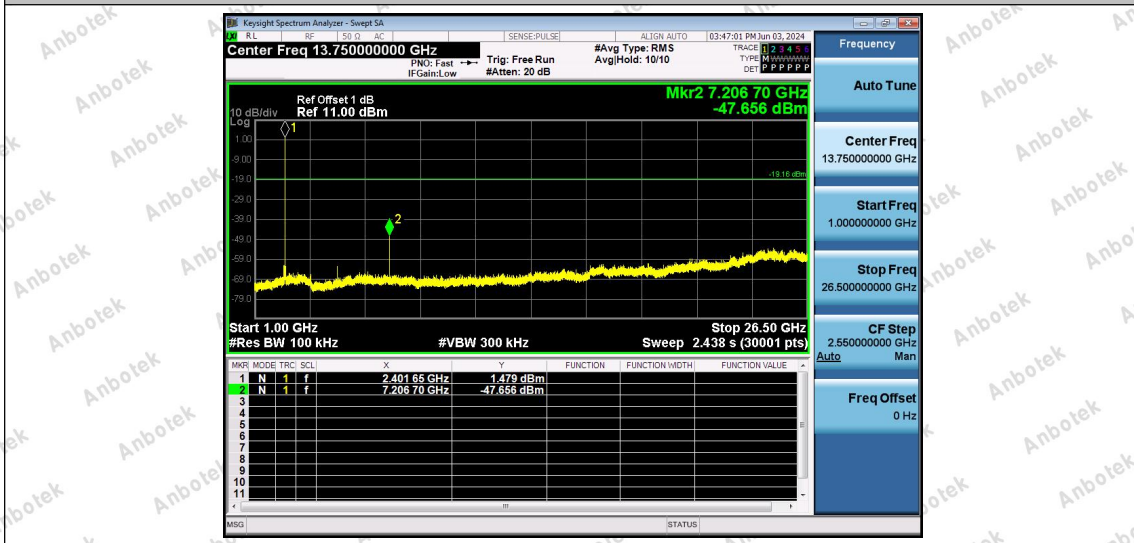
## Test Graphs



BLE\_1M-Ant1-2402-0~Reference-PASS



BLE\_1M-Ant1-2402-30~1000-PASS



BLE\_1M-Ant1-2402-1000~26500-PASS

### Shenzhen Anbotek Compliance Laboratory Limited

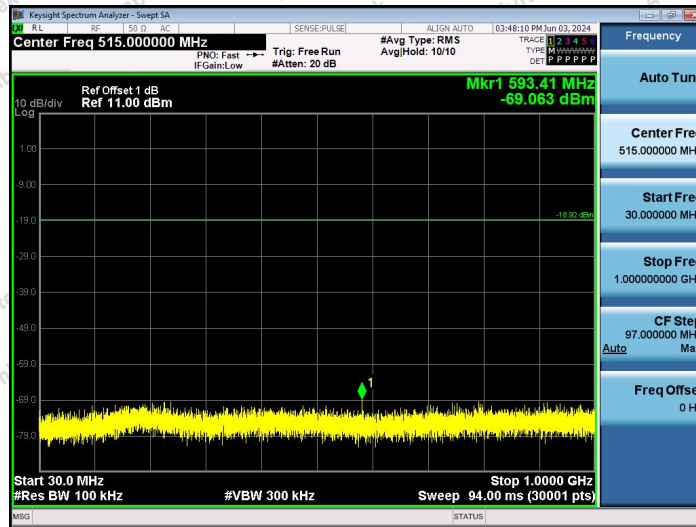
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,  
 Tel: (86)0755-26066440 Email: service@anbotek.com

Hotline 400-003-0500  
 www.anbotek.com

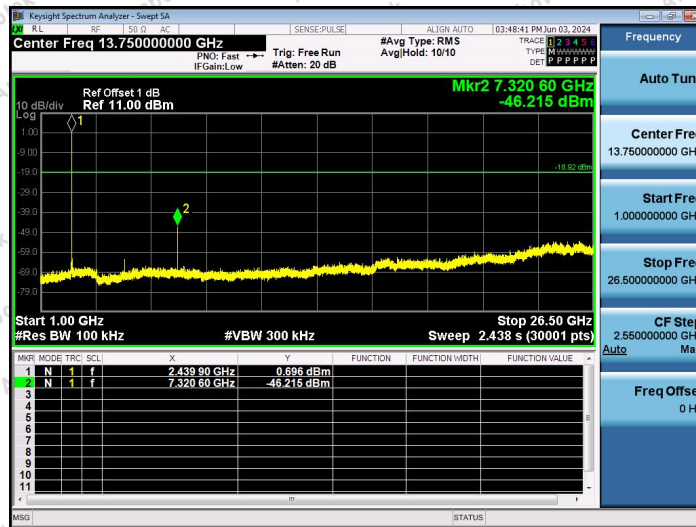




BLE\_1M-Ant1-2440-0~Reference-PASS



BLE\_1M-Ant1-2440-30~1000-PASS



BLE\_1M-Ant1-2440-1000~26500-PASS

## Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,  
Tel: (86)0755-26066440 Email: service@anbotek.com

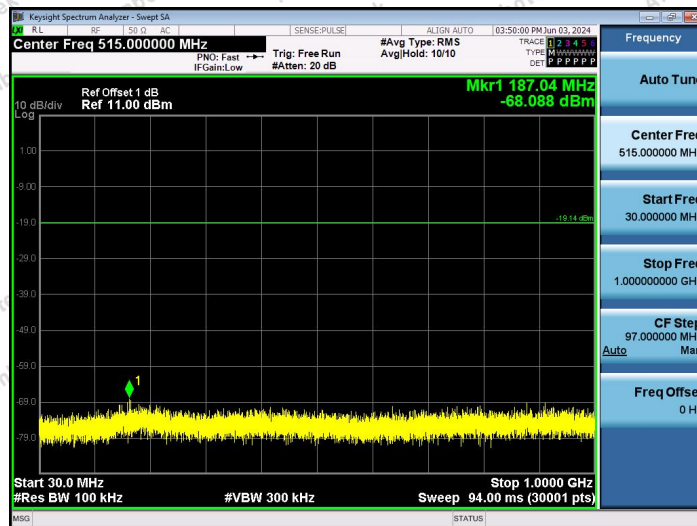


Hotline  
400-003-0500  
www.anbotek.com

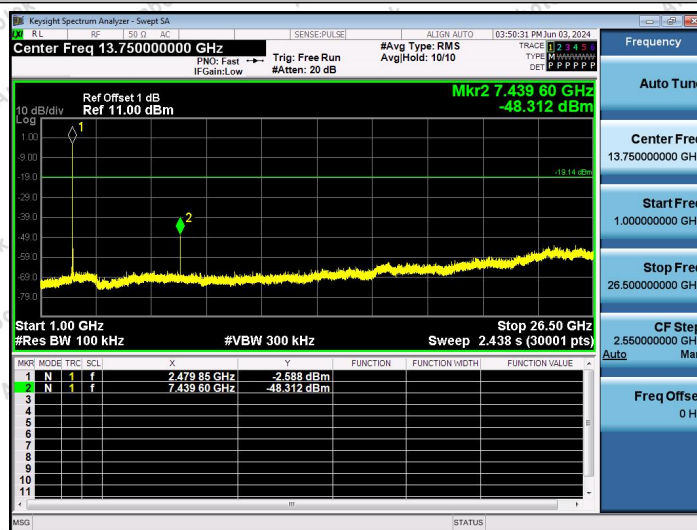




BLE\_1M-Ant1-2480-0~Reference-PASS



BLE\_1M-Ant1-2480-30~1000-PASS



BLE\_1M-Ant1-2480-1000~26500-PASS

## Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,  
 Tel: (86)0755-26066440 Email: service@anbotek.com



Hotline  
 400-003-0500  
[www.anbotek.com](http://www.anbotek.com)



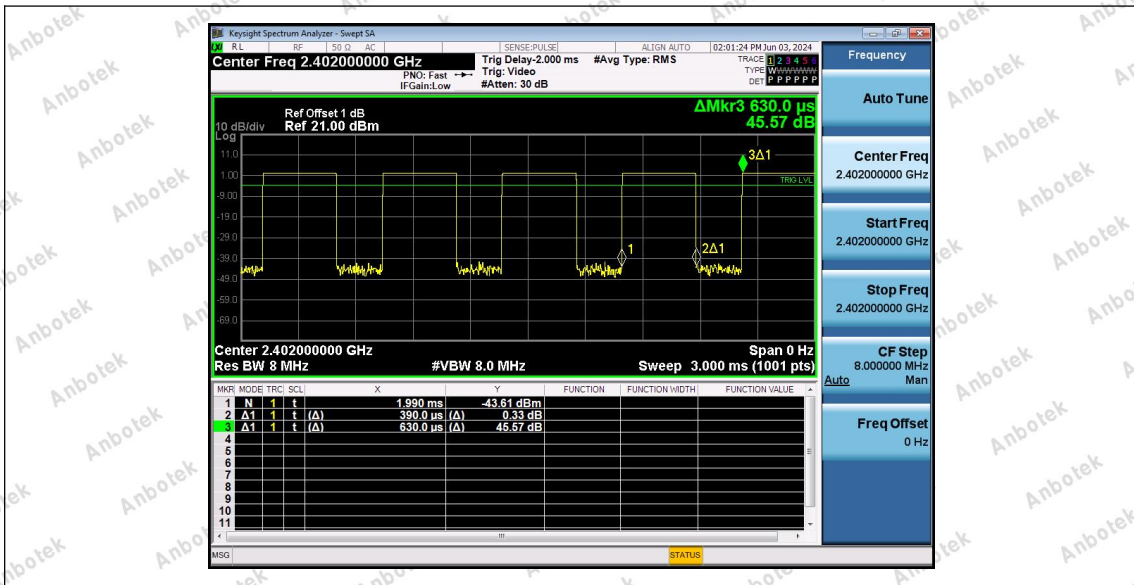
## Appendix G: Duty Cycle

### Test Result

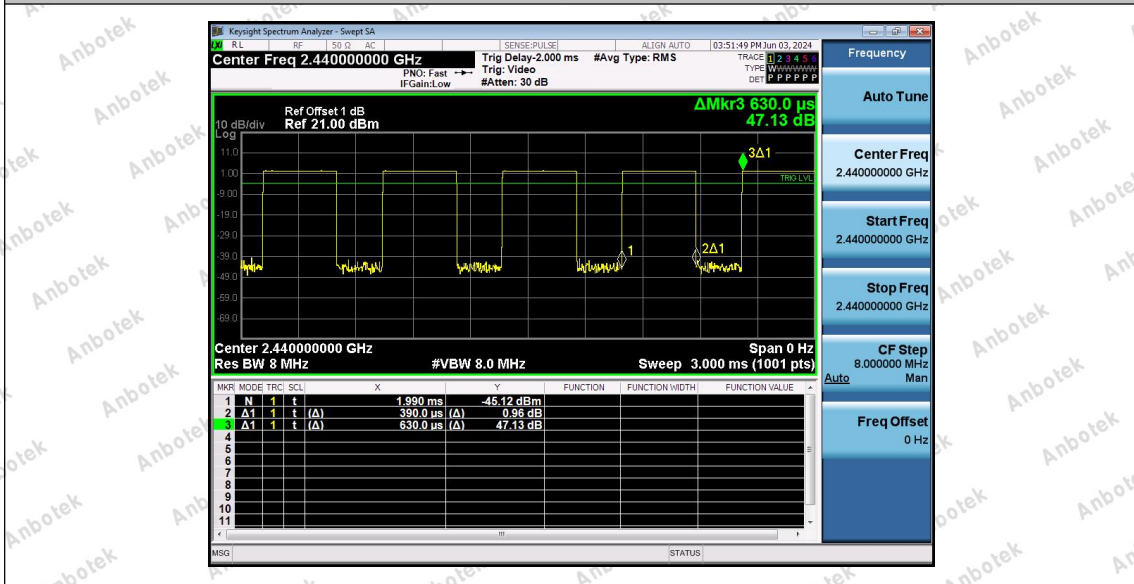
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2440	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2480	0.39	0.63	61.90	2.08



## Test Graphs



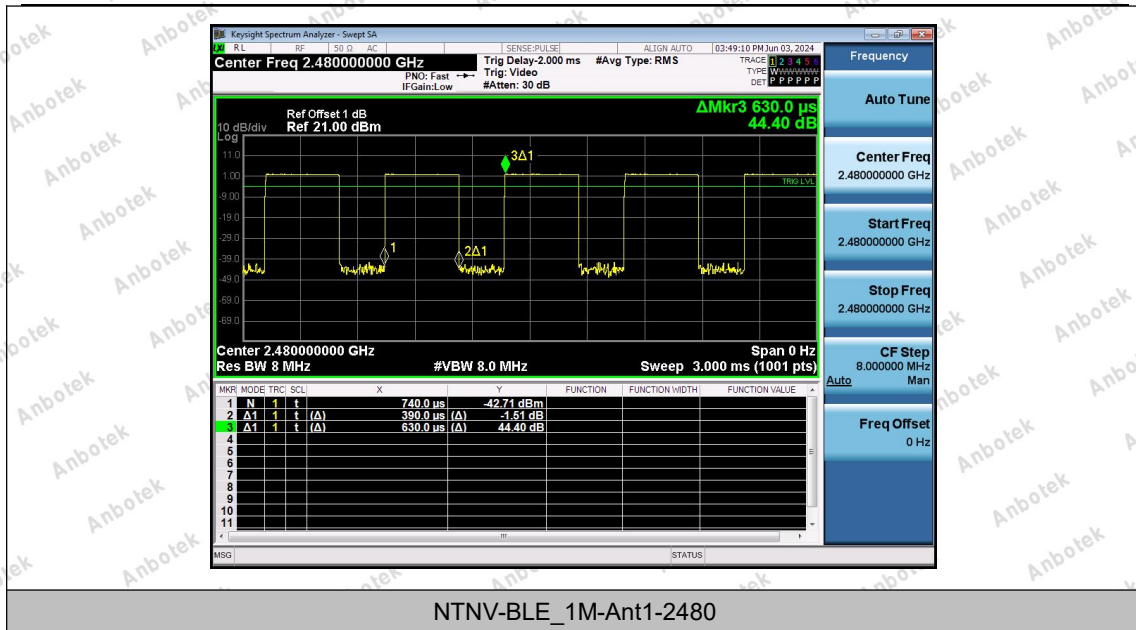
NTNV-BLE\_1M-Ant1-2402



NTNV-BLE\_1M-Ant1-2440







---End---

