

Appendix Test Data

Report No.:	18220WC40036701	Test Sample No.:	1-2-2
Start Test Date:	2024.3.15	Finish Test Date:	2024.3.15
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25℃	Relative Humidity:	48%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.504	2401.680	2402.184	0.5	PASS
		2440	0.504	2439.684	2440.188	0.5	PASS
		2480	0.504	2479.684	2480.188	0.5	PASS



Test Graphs



Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com.cn



**Shenzhen Anbotek Compliance Laboratory Limited**

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com.cn



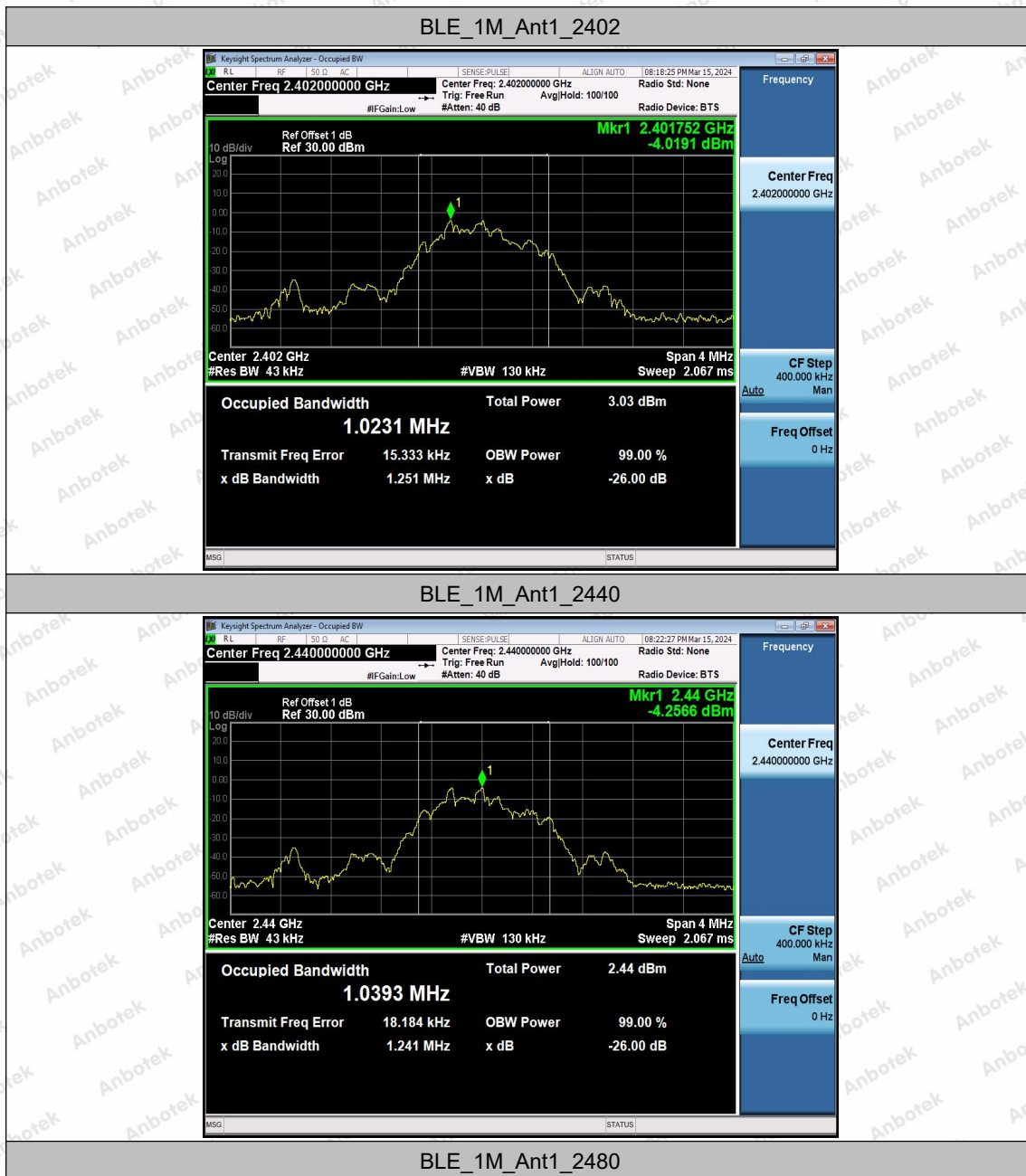
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0231	2401.5038	2402.5269	---	---
		2440	1.0393	2439.4985	2440.5378	---	---
		2480	1.0339	2479.5030	2480.5369	---	---



Test Graphs



Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com.cn





Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com.cn



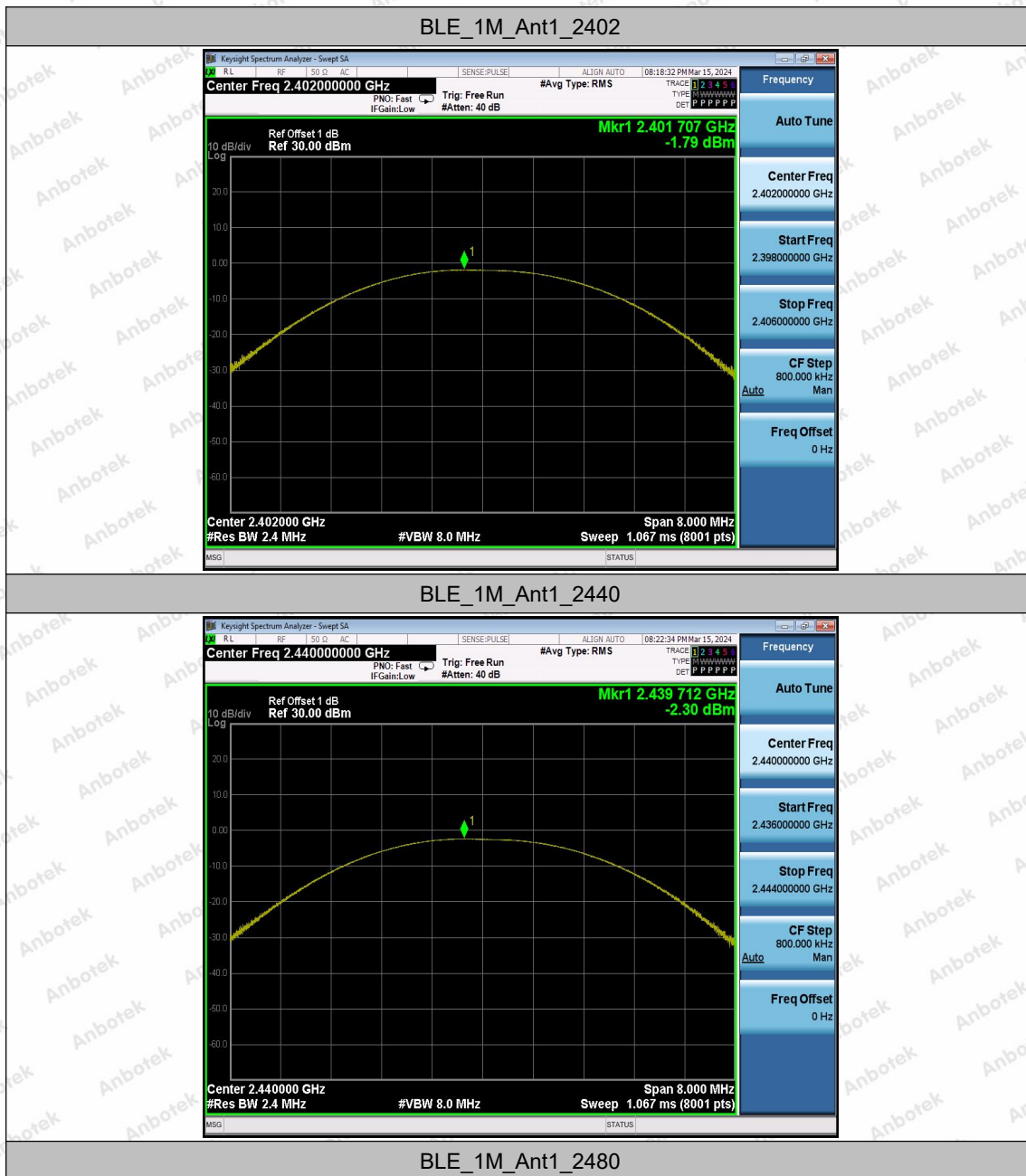
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.79	≤30	PASS
		2440	-2.30	≤30	PASS
		2480	-2.81	≤30	PASS



Test Graphs Peak



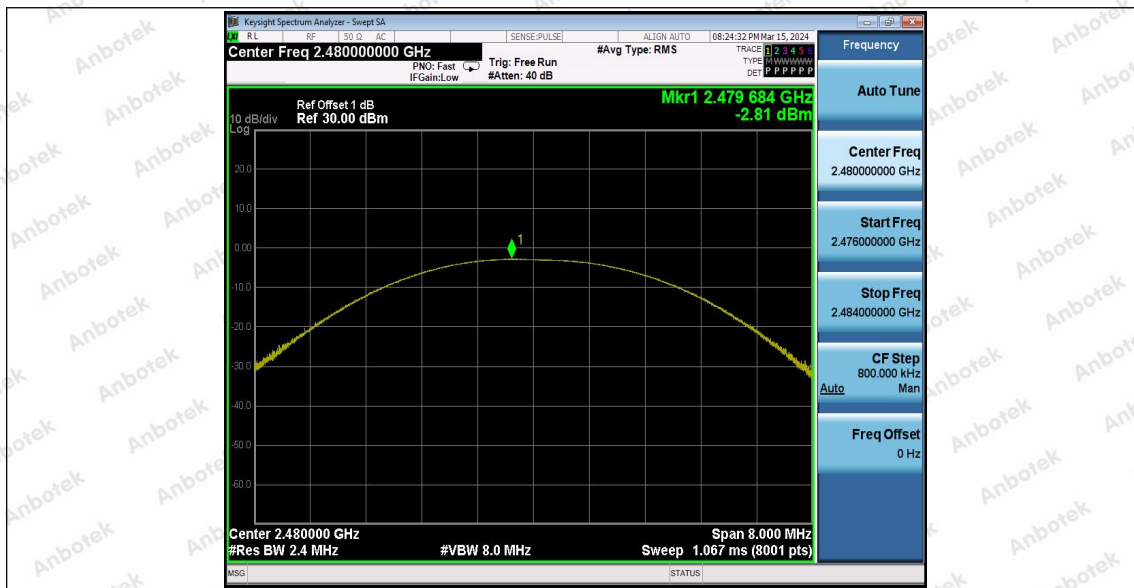
Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com.cn



**Shenzhen Anbotek Compliance Laboratory Limited**

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community,
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com.cn



Appendix D: Maximum Power Spectral Density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm/30kHz]	Result [dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-5.29	-15.29	≤8.00	PASS
		2440	-5.95	-15.95	≤8.00	PASS
		2480	-6.35	-16.35	≤8.00	PASS

Note:

1. $\text{PSD}(\text{dBm}/3\text{kHz}) = \text{PSD}(\text{dBm}/30\text{kHz}) - (10 \cdot \log(30/3))$



Test Graphs



Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com.cn



**Shenzhen Anbotek Compliance Laboratory Limited**

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community,
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com.cn



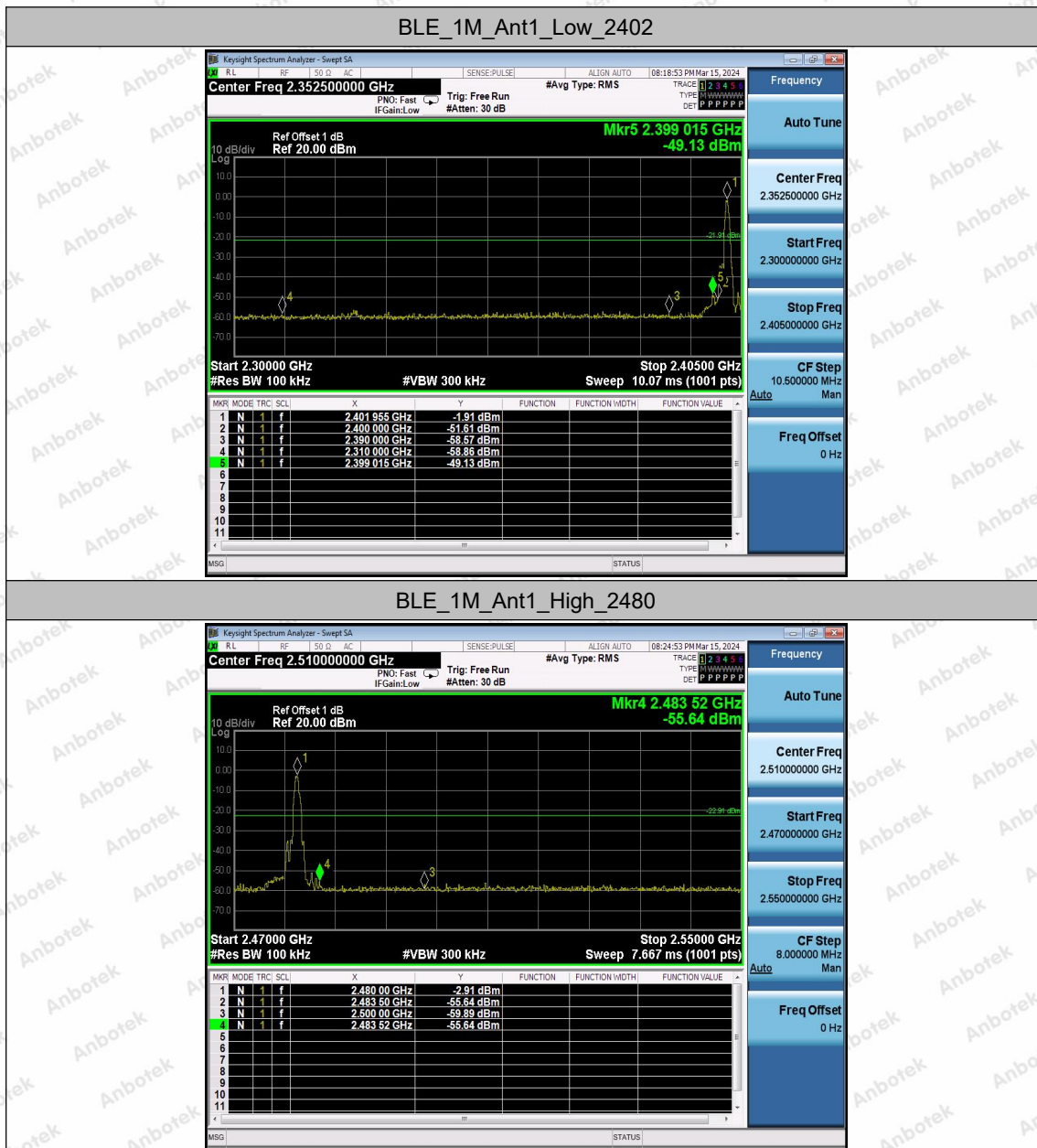
Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.91	-49.13	≤-21.91	PASS
		High	2480	-2.91	-55.64	≤-22.91	PASS



Test Graphs



Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com.cn



Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-2.05	-2.05	---	PASS
			30~1000	-2.05	-67.75	≤-22.05	PASS
			1000~26500	-2.05	-28.54	≤-22.05	PASS
		2440	Reference	-2.57	-2.57	---	PASS
			30~1000	-2.57	-68.1	≤-22.57	PASS
			1000~26500	-2.57	-29.89	≤-22.57	PASS
		2480	Reference	-3.06	-3.06	---	PASS
			30~1000	-3.06	-47.51	≤-23.06	PASS
			1000~26500	-3.06	-30.92	≤-23.06	PASS



Test Graphs



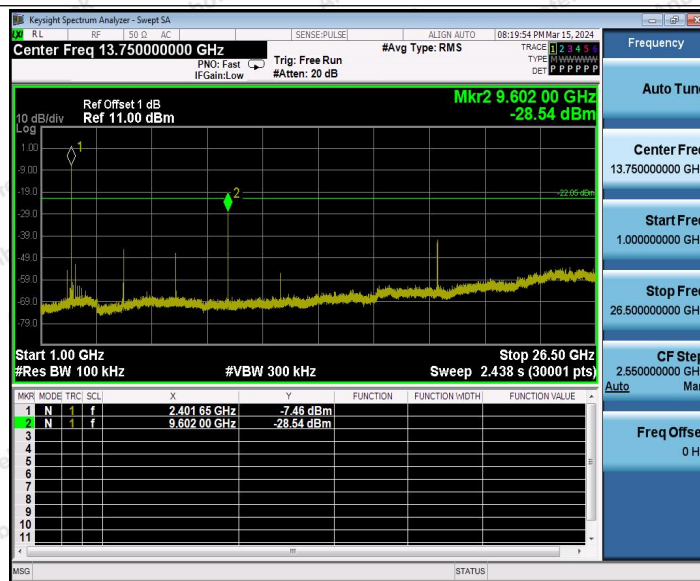
Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com.cn



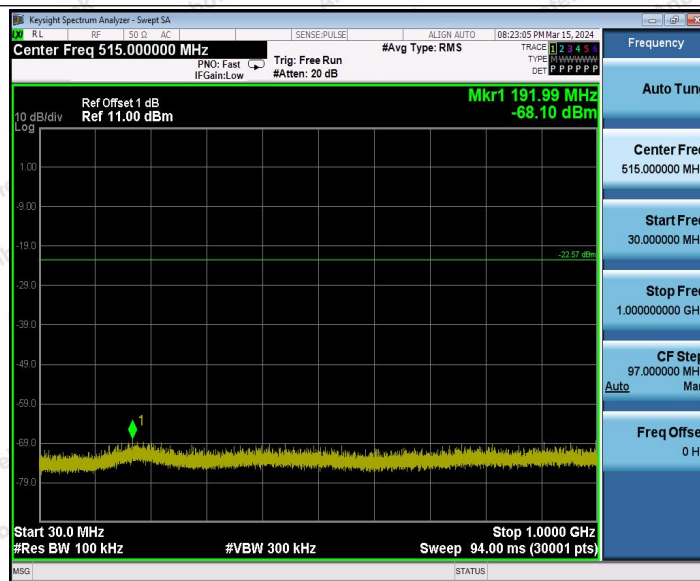


BLE_1M_Ant1_2440_0~Reference

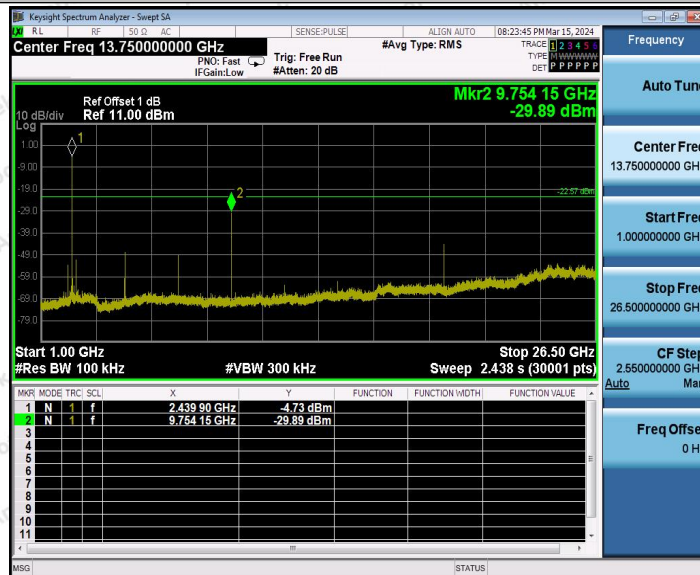


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

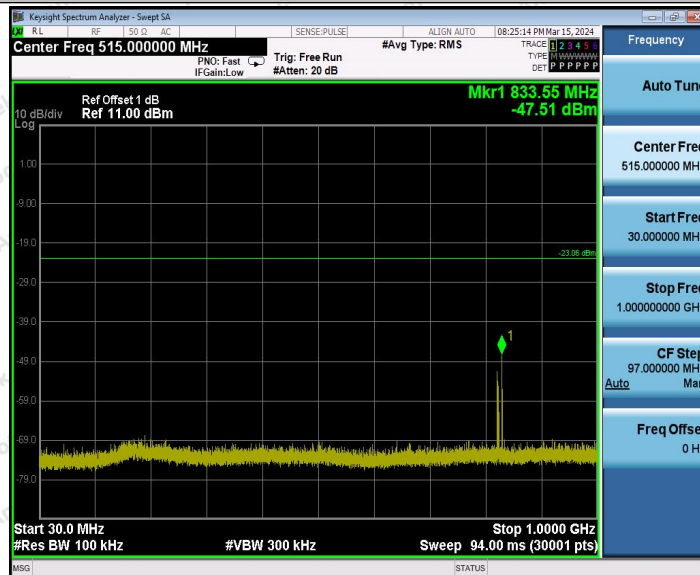


Hotline
400-003-0500
www.anbotek.com.cn





BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

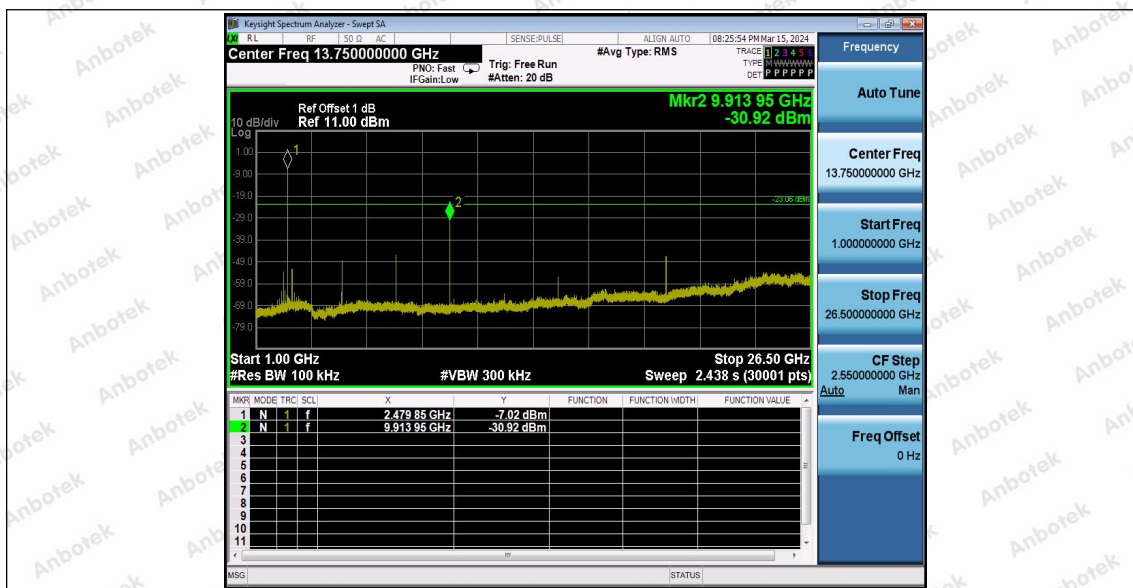
Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community,
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com.cn



**Shenzhen Anbotek Compliance Laboratory Limited**

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com.cn



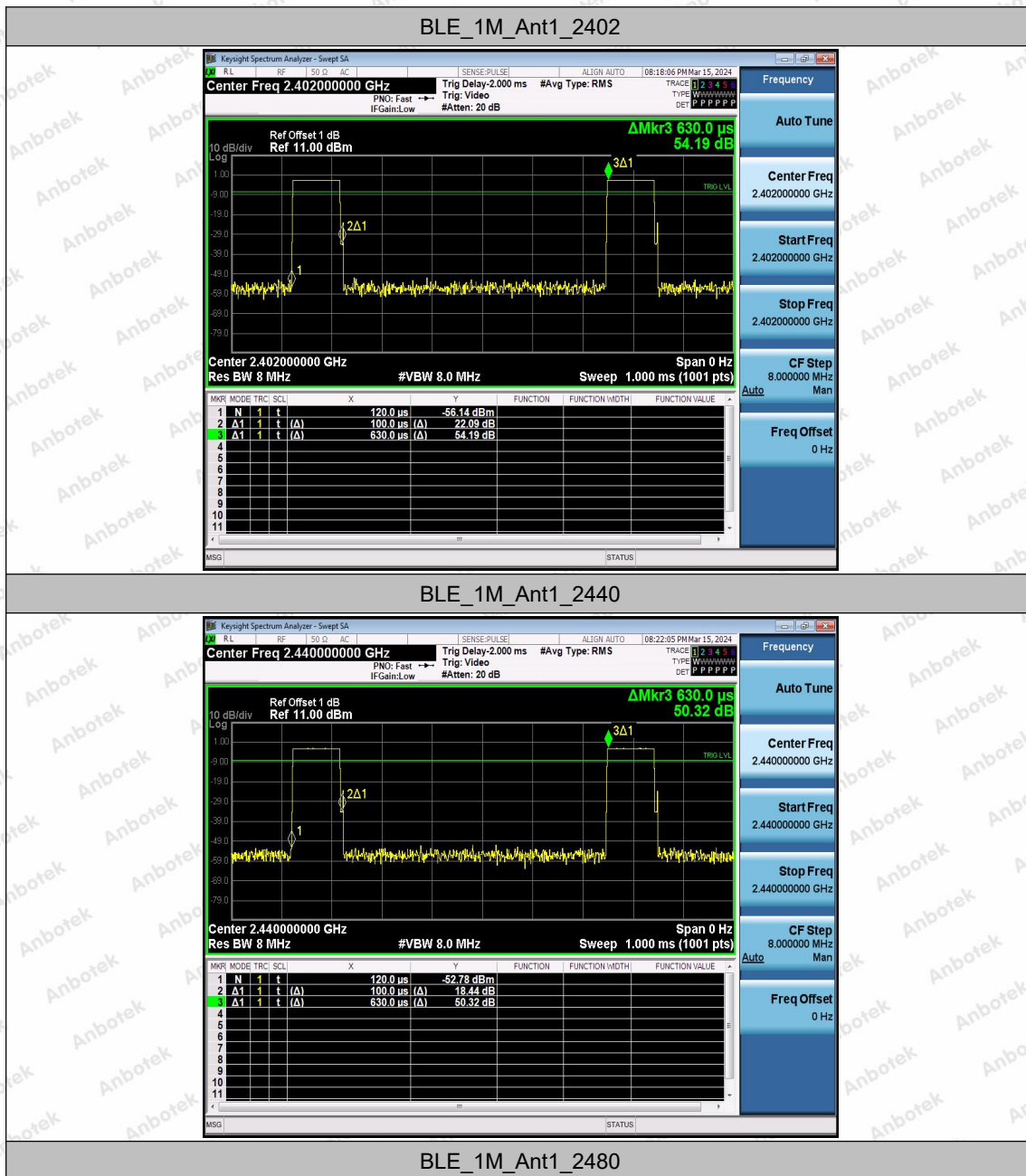
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.10	0.63	15.87	7.99
		2440	0.10	0.63	15.87	7.99
		2480	0.10	0.63	15.87	7.99



Test Graphs



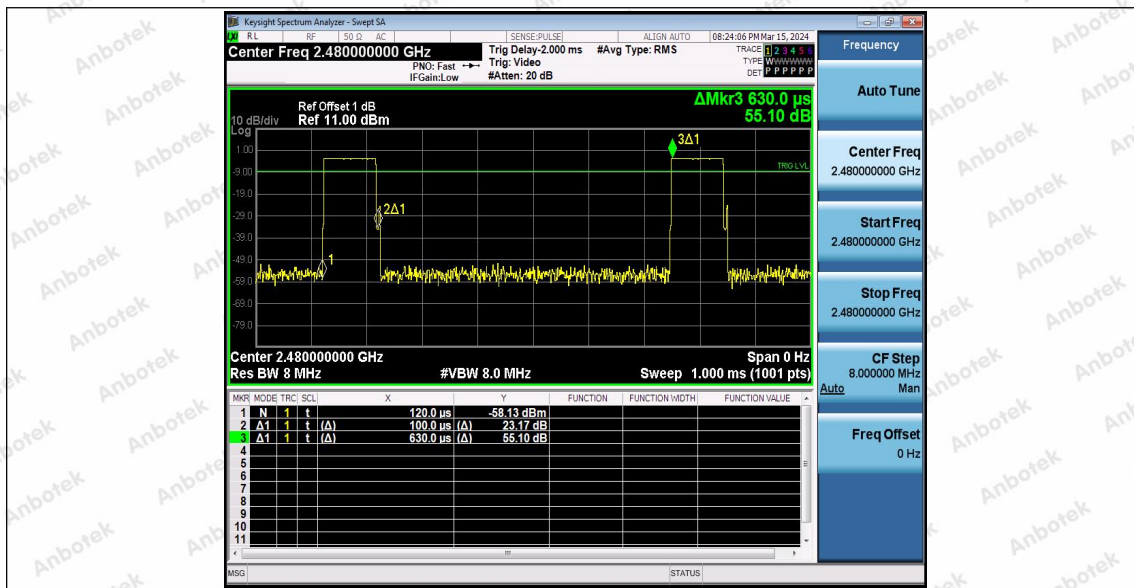
Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com.cn





---END---

