

## Appendix Test Data

|                  |                 |                    |            |
|------------------|-----------------|--------------------|------------|
| Report No.:      | 18220WC30122002 | Test Sample No.:   | 1-2-2      |
| Start Test Date: | 2023.06.19      | Finish Test Date:  | 2023.06.26 |
| Test Engineer:   | Rick Luo        | Auditor:           | Edward Pan |
| Temperature:     | 25.3°C          | Relative Humidity: | 46%        |
| Pressure:        | 1012 hPa        |                    |            |

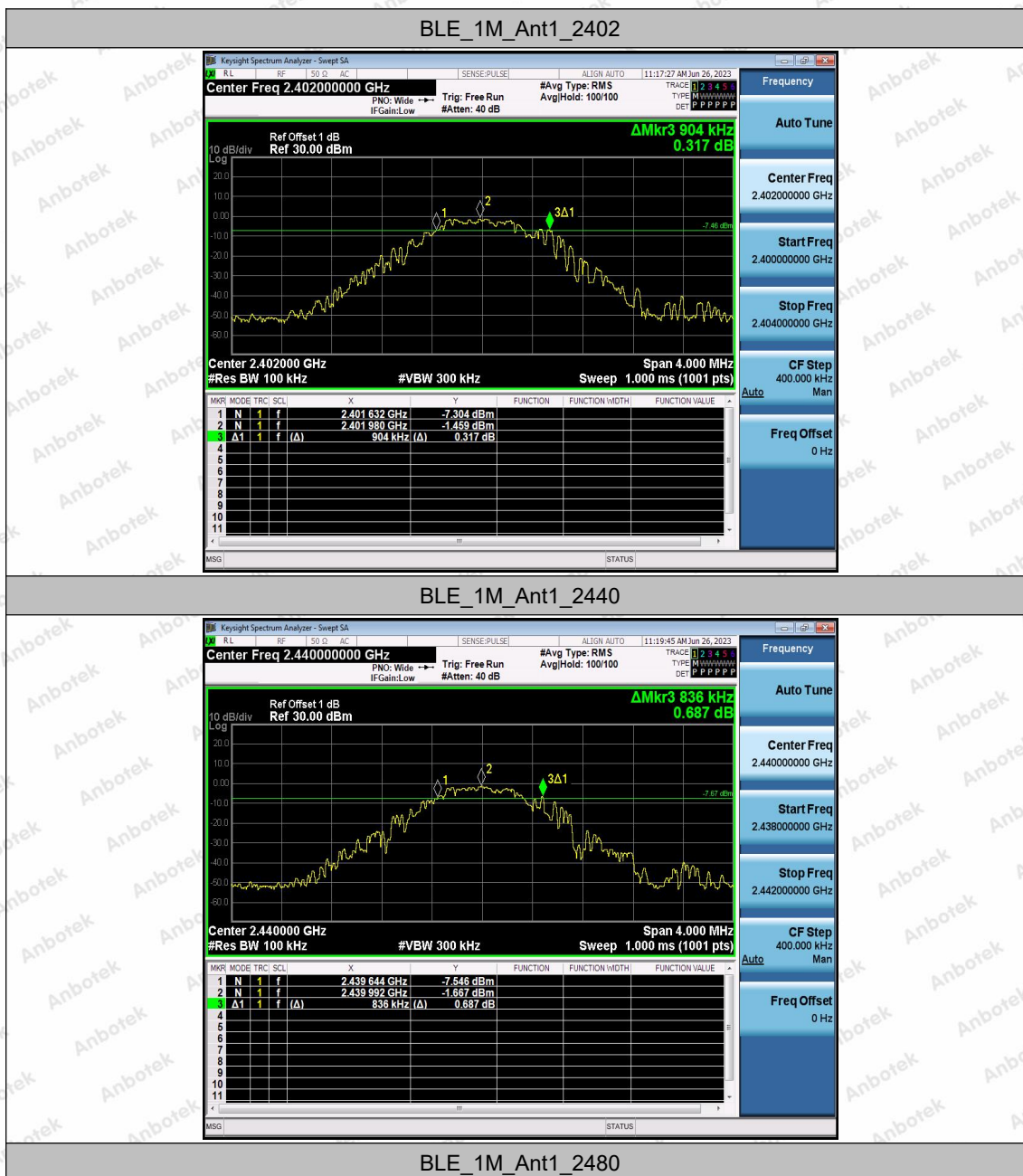
## Appendix A: DTS Bandwidth

## Test Result

| TestMode | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|----------|----------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 0.904        | 2401.632 | 2402.536 | 0.5        | PASS    |
|          |         | 2440           | 0.836        | 2439.644 | 2440.480 | 0.5        | PASS    |
|          |         | 2480           | 0.868        | 2479.632 | 2480.500 | 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: Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   |
|----------|---------|----------------|-----------|-----------|-----------|
| BLE_1M   | Ant1    | 2402           | 1.2464    | 2401.3892 | 2402.6356 |
|          |         | 2440           | 1.2424    | 2439.3986 | 2440.6410 |
|          |         | 2480           | 1.2105    | 2479.4002 | 2480.6107 |



## 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



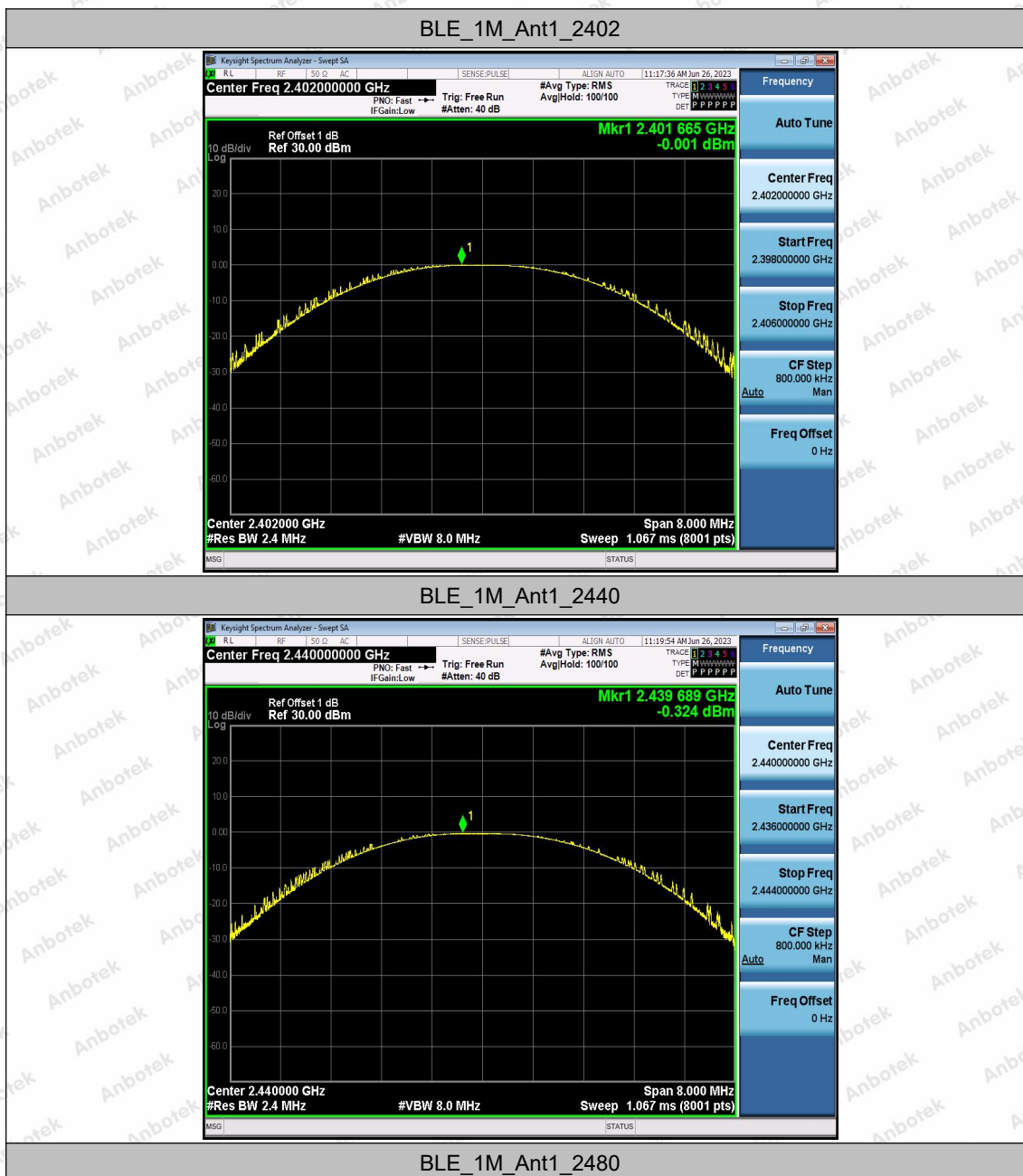
## Appendix C: Maximum conducted output power

### Test Result Peak

| TestMode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|----------|---------|----------------|---------------------------|----------------------|---------|
| BLE_1M   | Ant1    | 2402           | 0.00                      | ≤30                  | PASS    |
|          |         | 2440           | -0.32                     | ≤30                  | PASS    |
|          |         | 2480           | -0.70                     | ≤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



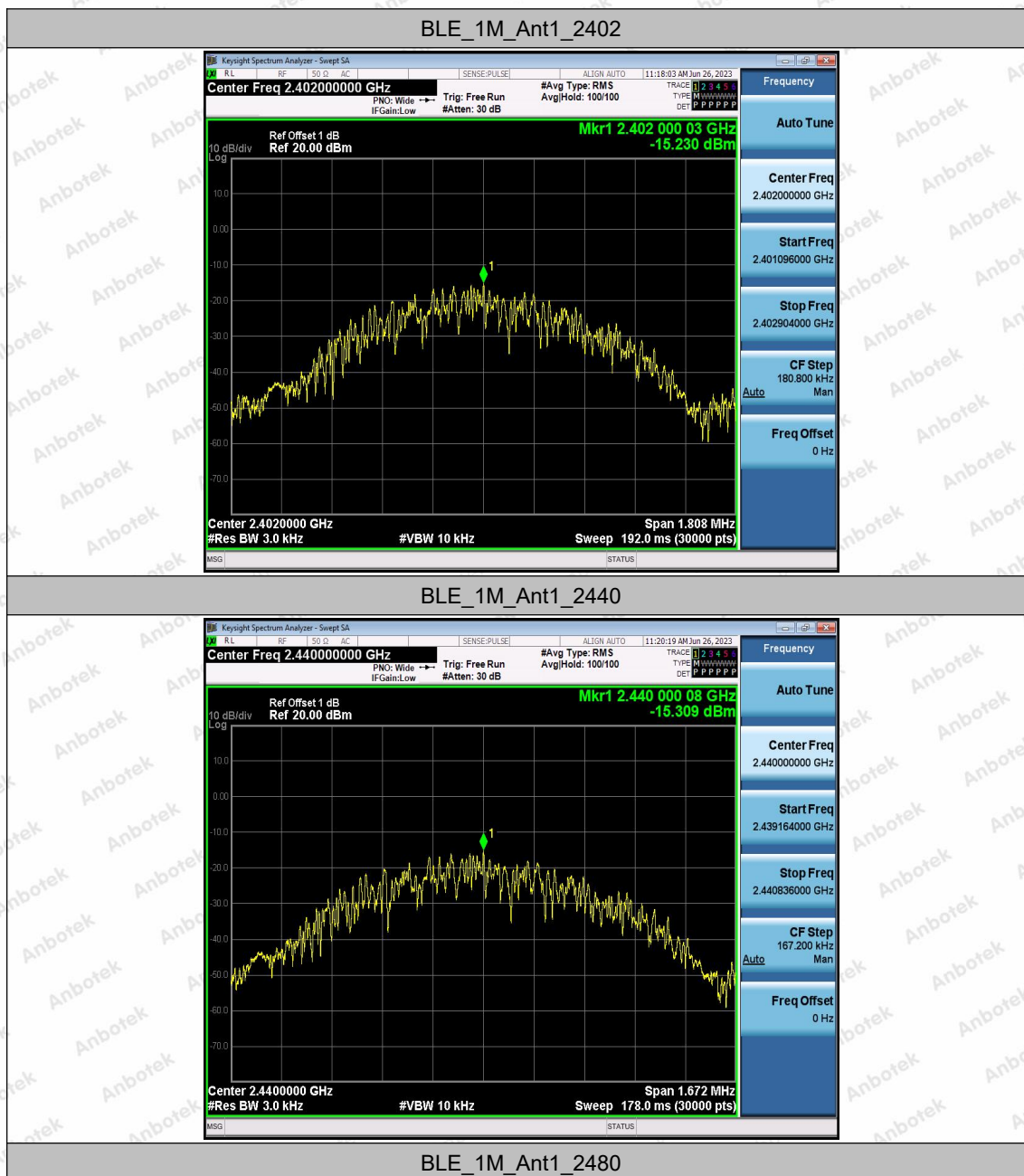
## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402           | -15.23           | ≤8.00           | PASS    |
|          |         | 2440           | -15.31           | ≤8.00           | PASS    |
|          |         | 2480           | -15.54           | ≤8.00           | PASS    |



## Test Graphs



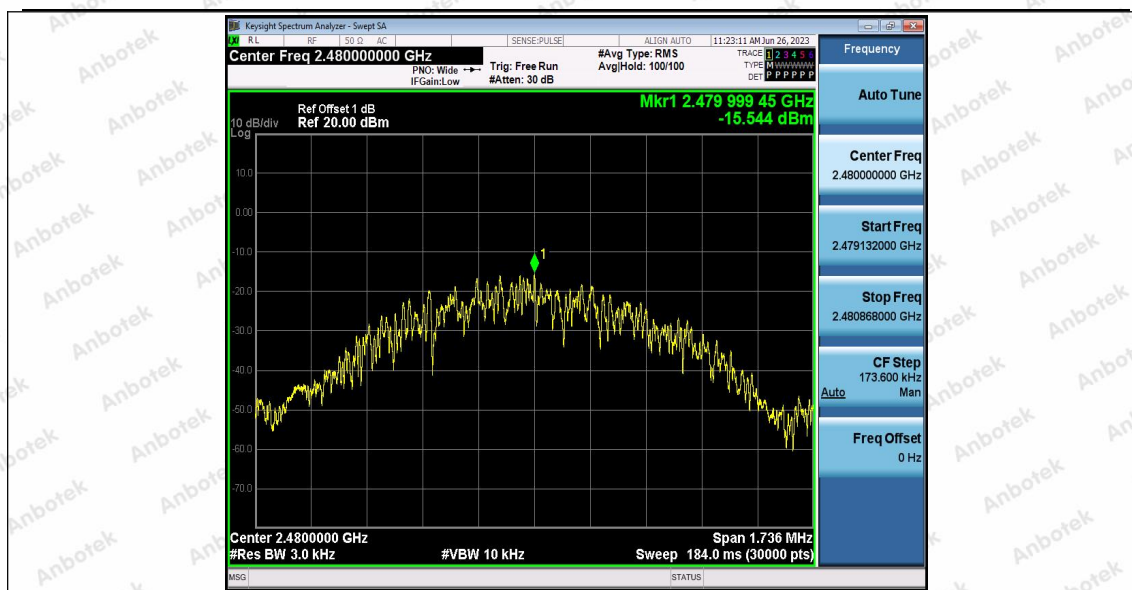
## Shenzhen Anbotek Compliance Laboratory Limited

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



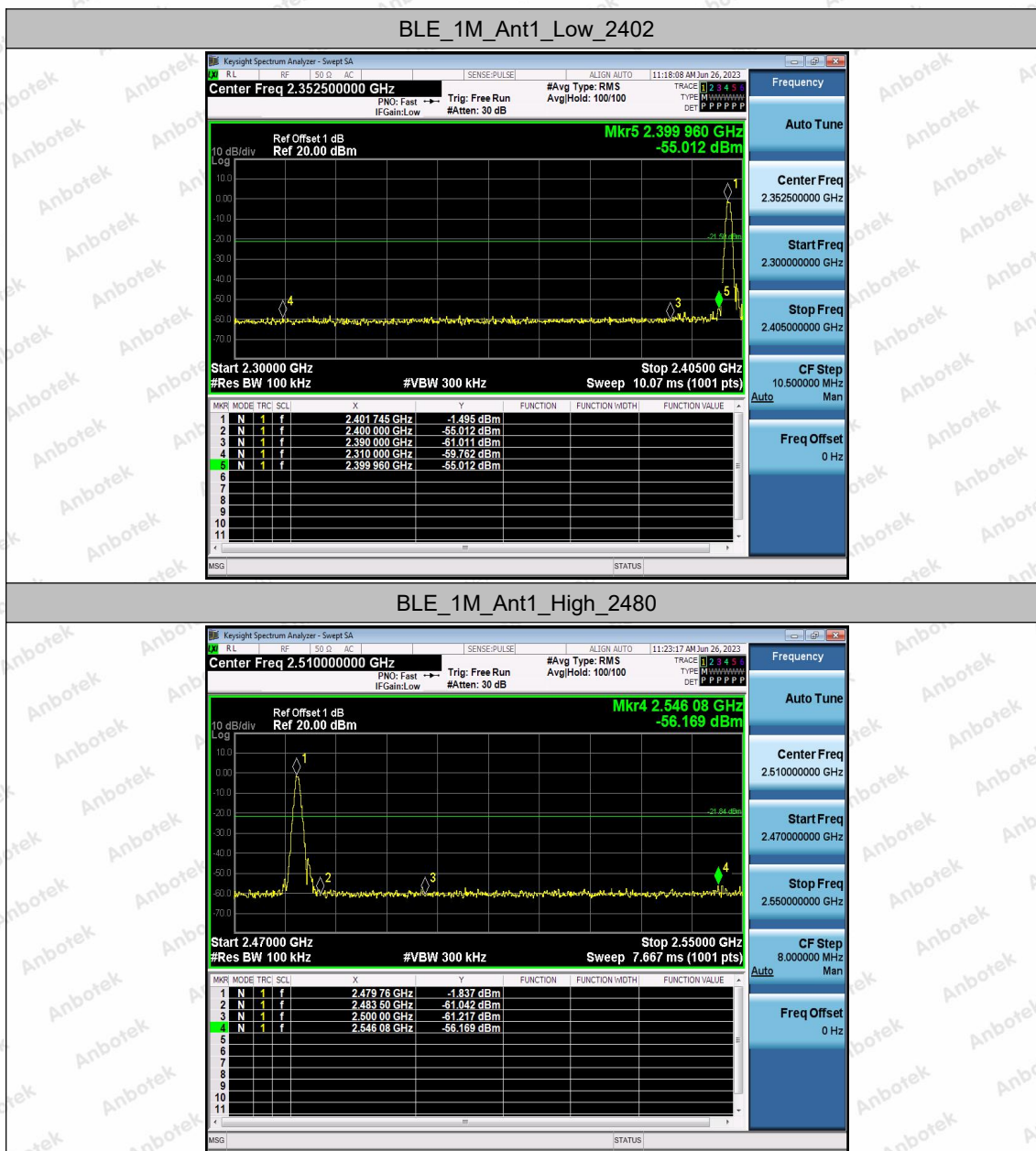
## Appendix E: Band edge measurements

### Test Result

| TestMode | Antenna | Channel | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|----------------|---------------|-------------|------------|---------|
| BLE_1M   | Ant1    | Low     | 2402           | -1.50         | -55.01      | ≤-21.5     | PASS    |
|          |         | High    | 2480           | -1.84         | -56.17      | ≤-21.84    | 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



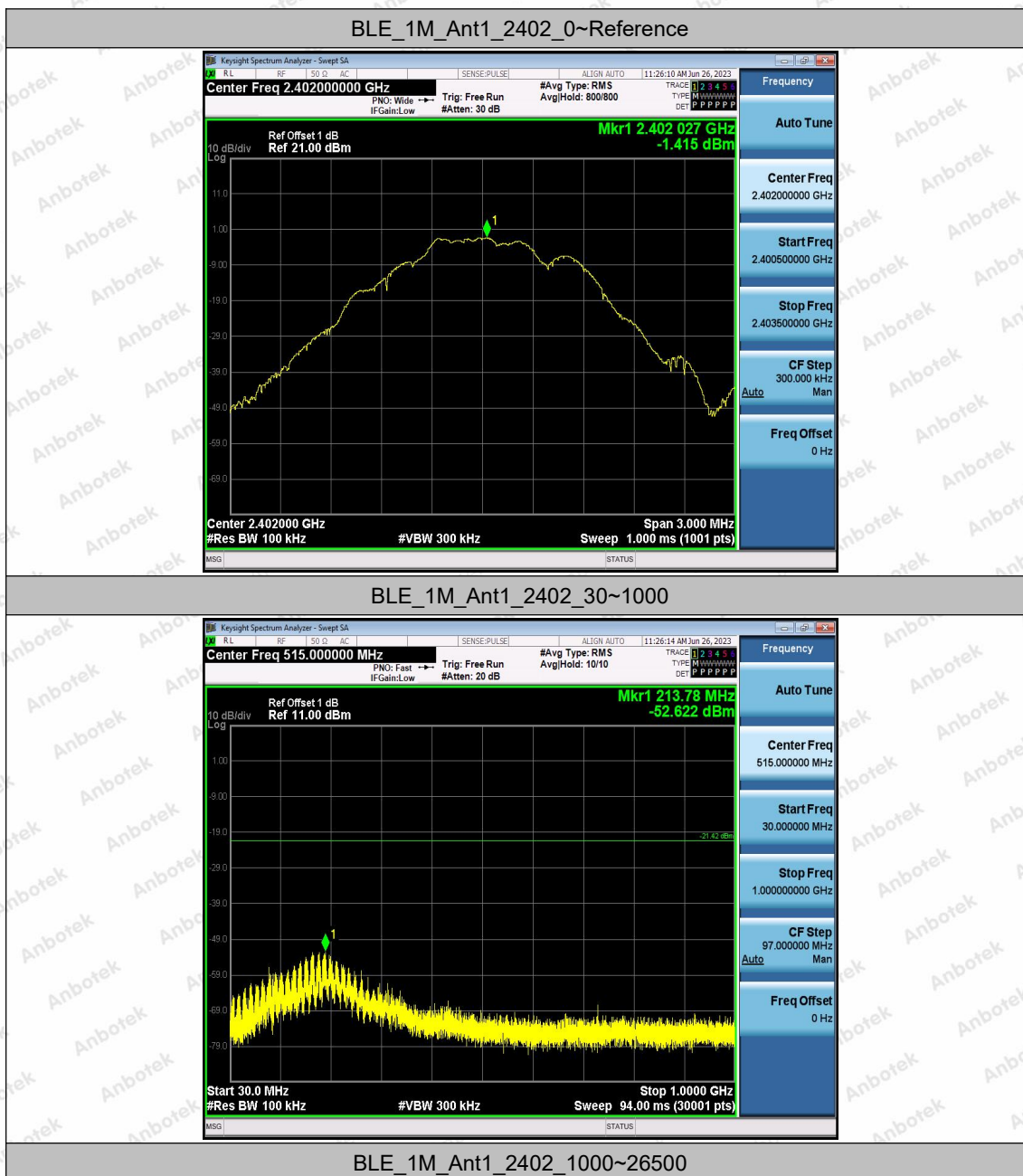
## Appendix F: Conducted Spurious Emission

### Test Result

| TestMode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|----------------|-----------------|----------------|-------------|------------|---------|
| BLE_1M   | Ant1    | 2402           | Reference       | -1.42          | -1.42       | ---        | PASS    |
|          |         |                | 30~1000         | -1.42          | -52.62      | ≤-21.42    | PASS    |
|          |         |                | 1000~26500      | -1.42          | -53.43      | ≤-21.42    | PASS    |
|          |         | 2440           | Reference       | -1.73          | -1.73       | ---        | PASS    |
|          |         |                | 30~1000         | -1.73          | -53.13      | ≤-21.73    | PASS    |
|          |         |                | 1000~26500      | -1.73          | -53.1       | ≤-21.73    | PASS    |
|          |         | 2480           | Reference       | -2.14          | -2.14       | ---        | PASS    |
|          |         |                | 30~1000         | -2.14          | -51.67      | ≤-22.14    | PASS    |
|          |         |                | 1000~26500      | -2.14          | -53.18      | ≤-22.14    | PASS    |



## Test Graphs



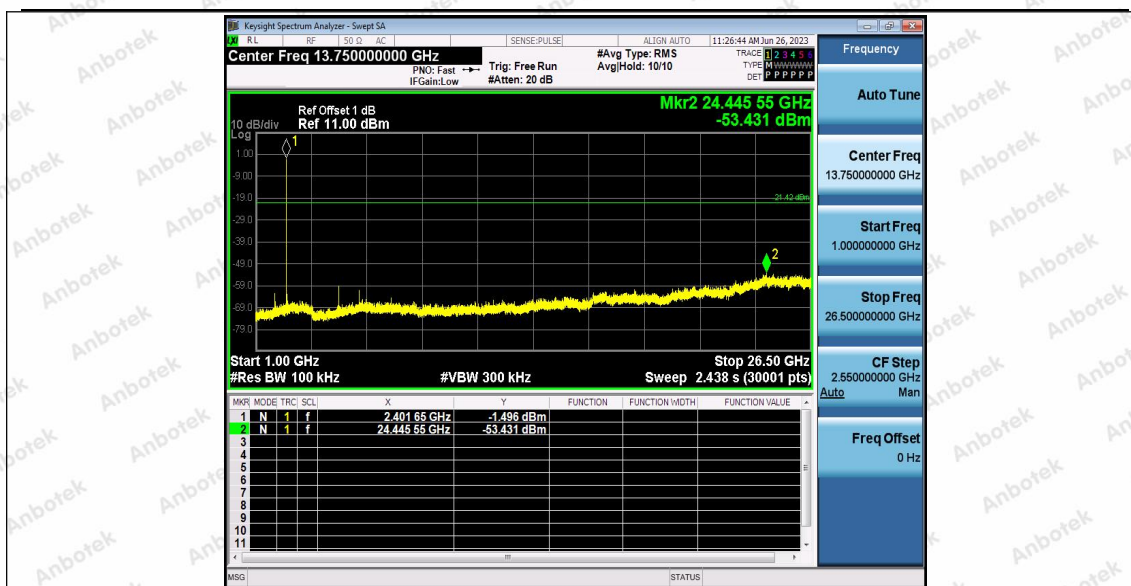
## Shenzhen Anbotek Compliance Laboratory Limited

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



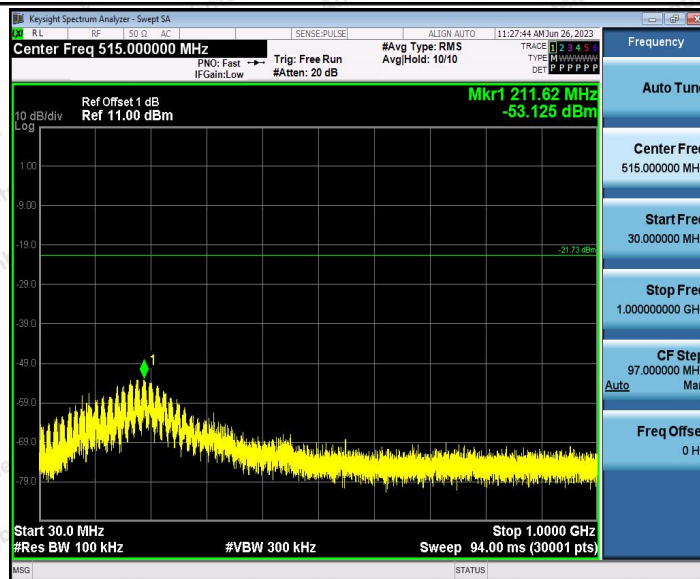


BLE\_1M\_Ant1\_2440\_0~Reference

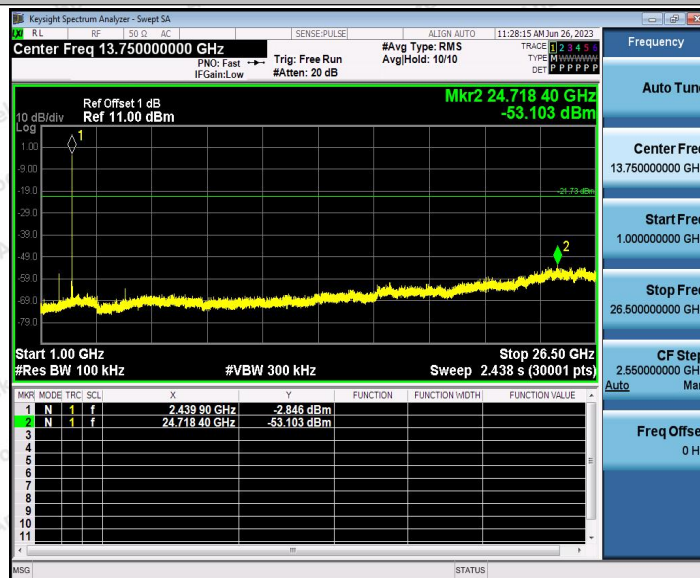


BLE\_1M\_Ant1\_2440\_30~1000





BLE\_1M\_Ant1\_2440\_1000~26500



BLE\_1M\_Ant1\_2480\_0~Reference

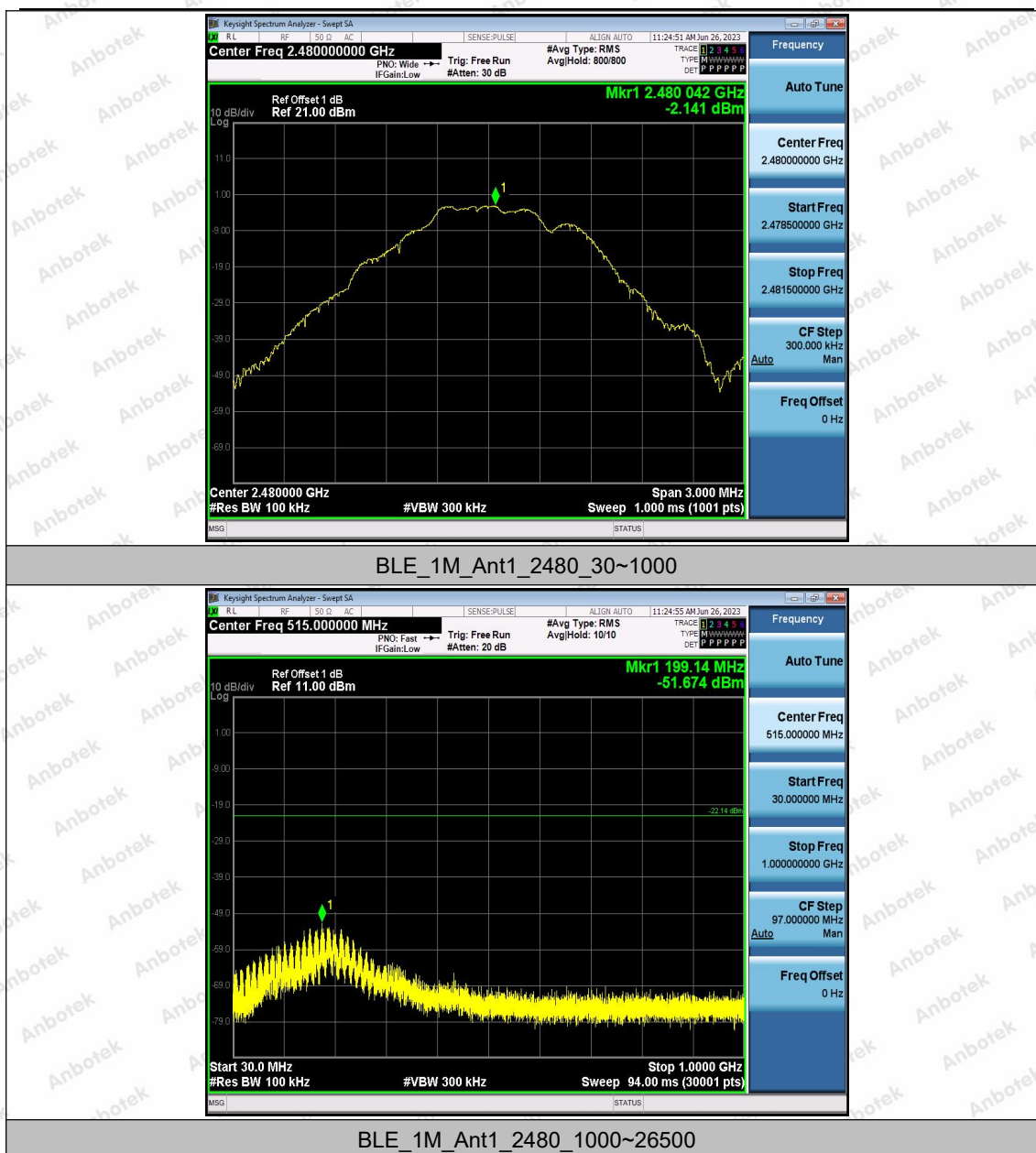
## Shenzhen Anbotek Compliance Laboratory Limited

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



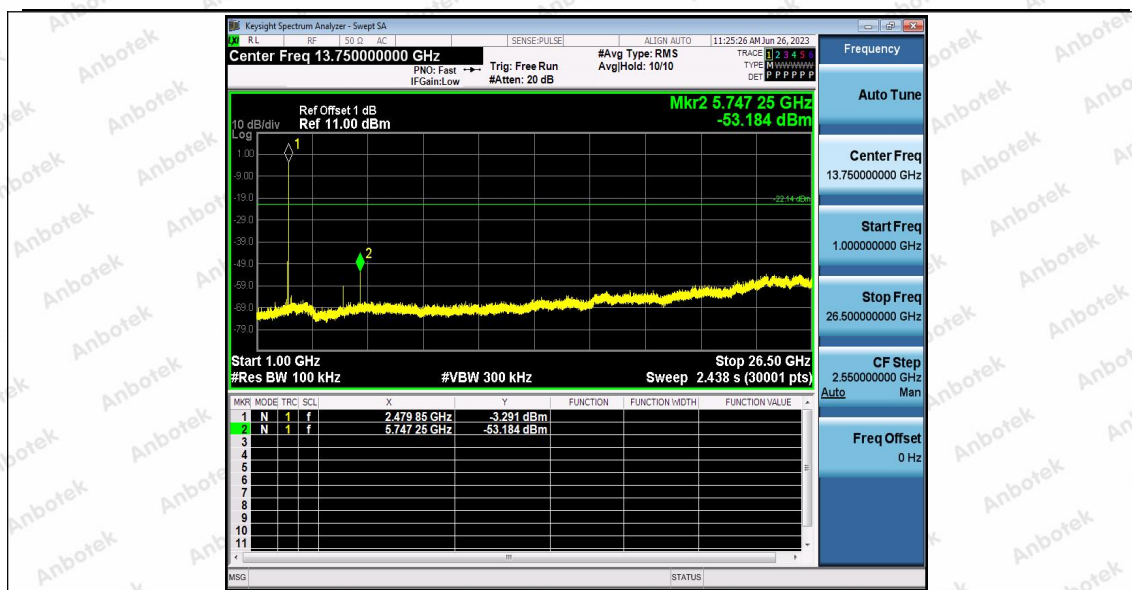
**Shenzhen Anbotek Compliance Laboratory Limited**

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 Anbotech 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@anbotech.com



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



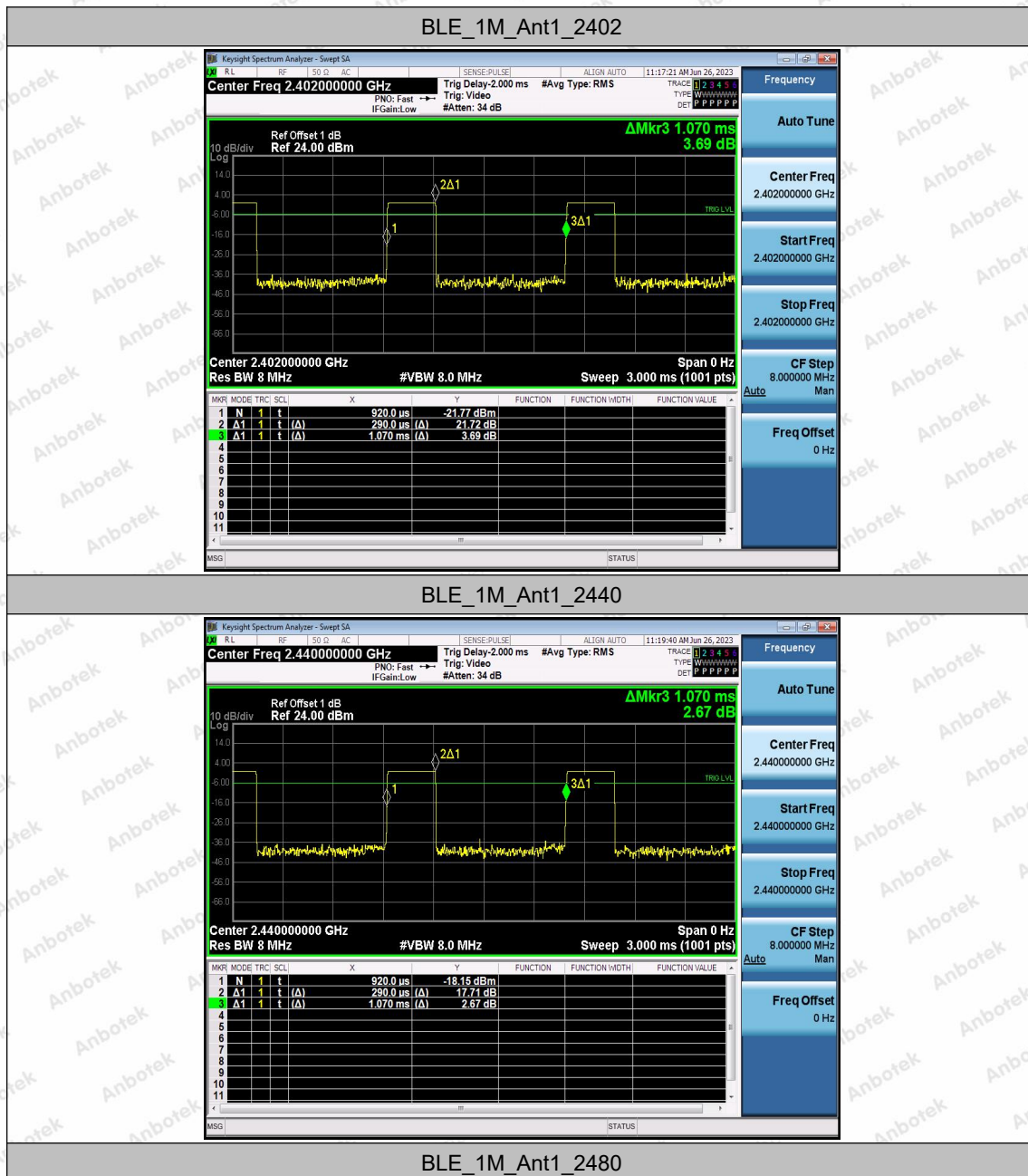
## Appendix G: Duty Cycle

### Test Result

| TestMode | Antenna | Frequency[MHz] | ON Time<br>[ms] | Period<br>[ms] | Duty Cycle<br>[%] | Duty Cycle<br>Factor[dB] |
|----------|---------|----------------|-----------------|----------------|-------------------|--------------------------|
| BLE_1M   | Ant1    | 2402           | 0.29            | 1.07           | 27.10             | 5.67                     |
|          |         | 2440           | 0.29            | 1.07           | 27.10             | 5.67                     |
|          |         | 2480           | 0.29            | 1.07           | 27.10             | 5.67                     |



## Test Graphs



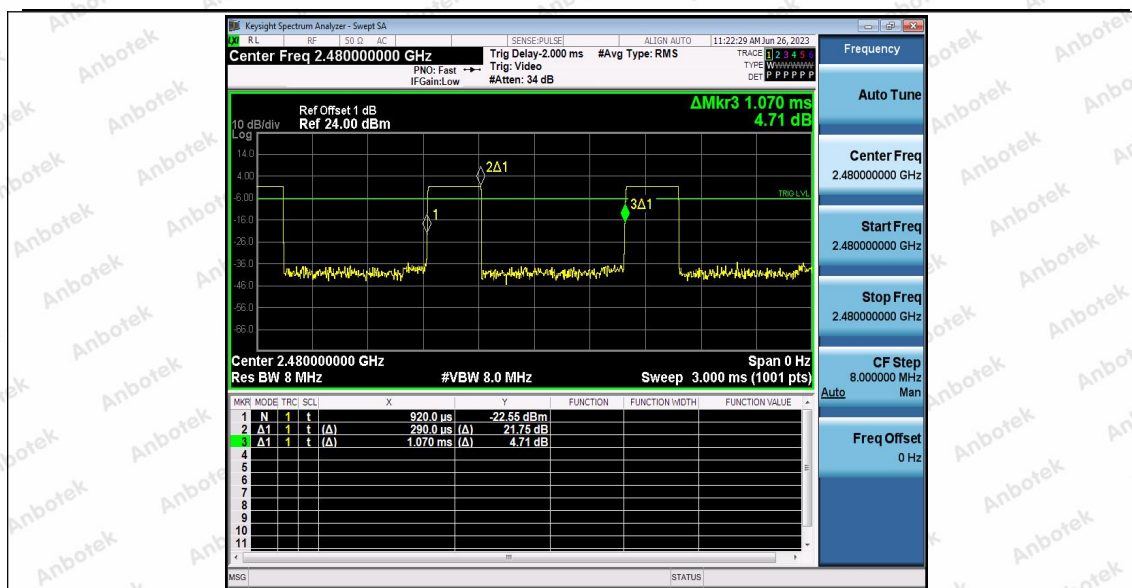
## Shenzhen Anbotek Compliance Laboratory Limited

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---

