

## Appendix Test Data

|                  |                 |                    |            |
|------------------|-----------------|--------------------|------------|
| Report No.:      | 18220WC30182201 | Test Sample No.:   | 1-2-2      |
| Start Test Date: | 2023.08.28      | Finish Test Date:  | 2023.08.29 |
| Test Engineer:   | Hayman Chen     | Auditor:           | Rick Luo   |
| Temperature:     | 25.3°C          | Relative Humidity: | 48%        |
| Pressure:        | 101 kPa         |                    |            |

## Appendix A: 20dB Emission Bandwidth

## Test Result

| Test Mode | Antenna | Frequency[MHz] | 20db EBW[MHz] | FL[MHz]  | FH[MHz]  |
|-----------|---------|----------------|---------------|----------|----------|
| DH5       | Ant1    | 2402           | 0.972         | 2401.532 | 2402.504 |
|           |         | 2441           | 0.972         | 2440.526 | 2441.498 |
|           |         | 2480           | 1.032         | 2479.463 | 2480.495 |
| 2DH5      | Ant1    | 2402           | 1.293         | 2401.361 | 2402.654 |
|           |         | 2441           | 1.326         | 2440.334 | 2441.660 |
|           |         | 2480           | 1.329         | 2479.331 | 2480.660 |



## Test Graphs

DH5\_Ant1\_2402



DH5\_Ant1\_2441



DH5\_Ant1\_2480

## 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



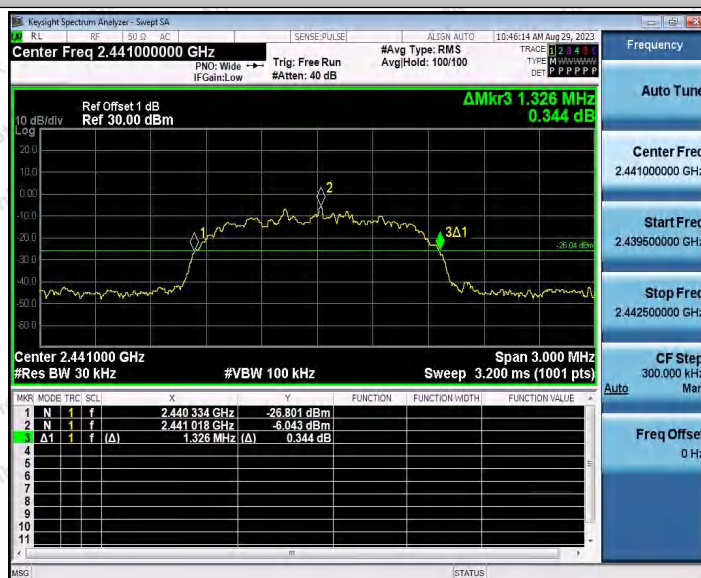




2DH5\_Ant1\_2402



2DH5\_Ant1\_2441



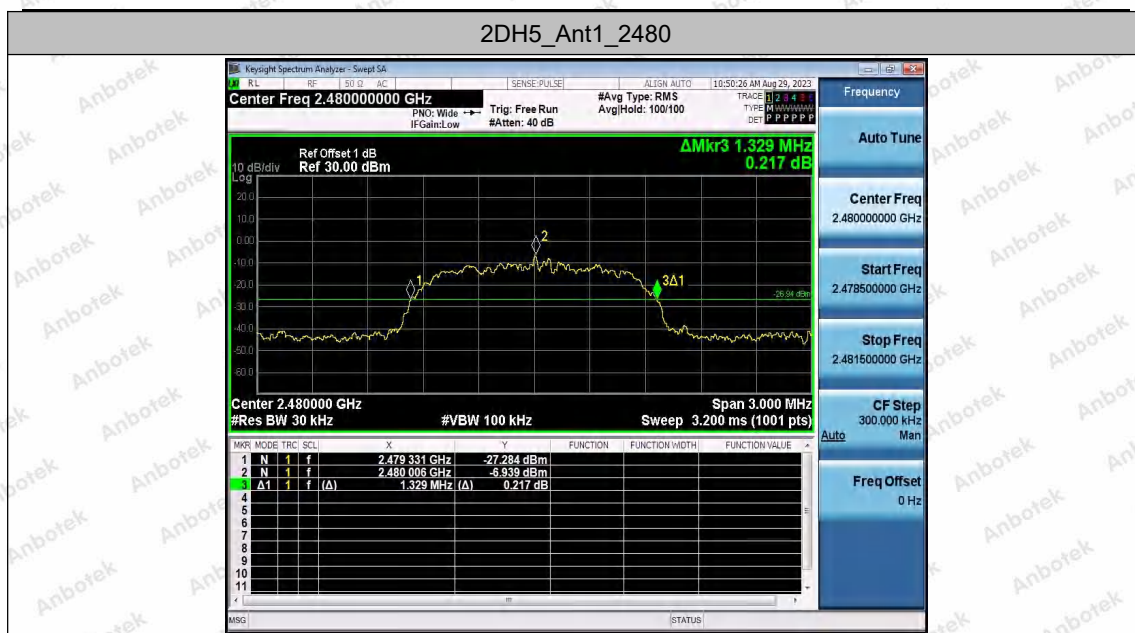
## Shenzhen Anbotek Compliance Laboratory Limited

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

| Test Mode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   |
|-----------|---------|----------------|-----------|-----------|-----------|
| DH5       | Ant1    | 2402           | 0.90662   | 2401.5542 | 2402.4608 |
|           |         | 2441           | 0.91050   | 2440.5480 | 2441.4585 |
|           |         | 2480           | 0.91427   | 2479.5459 | 2480.4602 |
| 2DH5      | Ant1    | 2402           | 1.1885    | 2401.4036 | 2402.5921 |
|           |         | 2441           | 1.1978    | 2440.4003 | 2441.5981 |
|           |         | 2480           | 1.1881    | 2479.4045 | 2480.5926 |



## 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







2DH5\_Ant1\_2402



2DH5\_Ant1\_2441



## 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

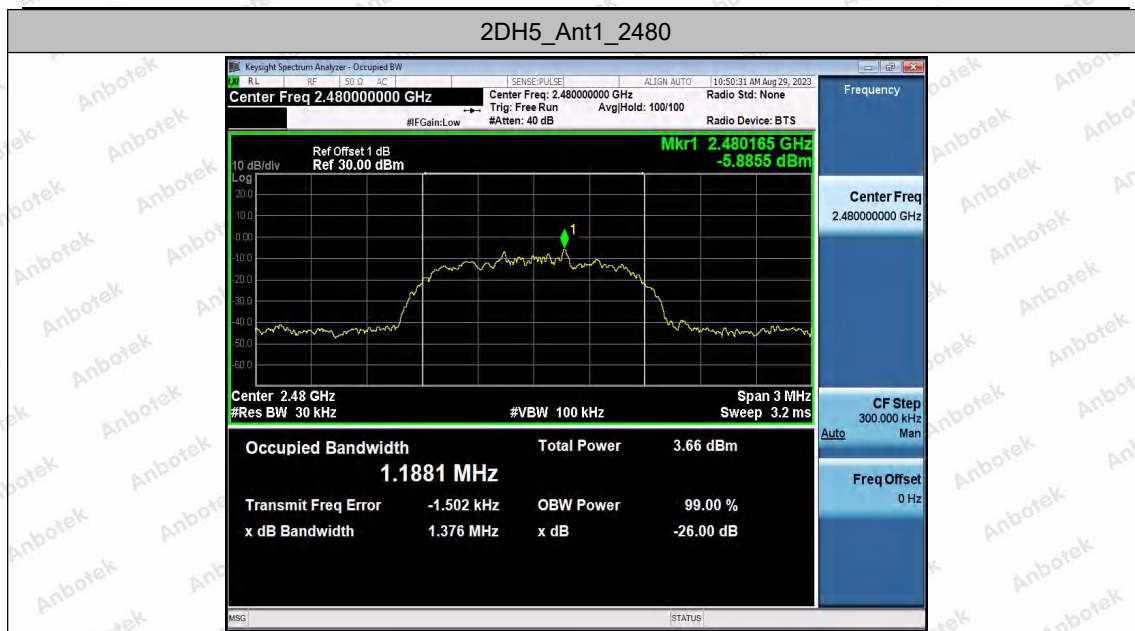


Hotline

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 |
|-----------|---------|----------------|---------------------------|----------------------|---------|
| DH5       | Ant1    | 2402           | -0.64                     | ≤20.97               | PASS    |
|           |         | 2441           | <b>-0.39</b>              | ≤20.97               | PASS    |
|           |         | 2480           | -1.27                     | ≤20.97               | PASS    |
| 2DH5      | Ant1    | 2402           | -1.43                     | ≤20.97               | PASS    |
|           |         | 2441           | -1.42                     | ≤20.97               | PASS    |
|           |         | 2480           | -1.91                     | ≤20.97               | PASS    |



## Test Graphs

DH5\_Ant1\_2402



DH5\_Ant1\_2441



DH5\_Ant1\_2480

## 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







2DH5\_Ant1\_2402



2DH5\_Ant1\_2441

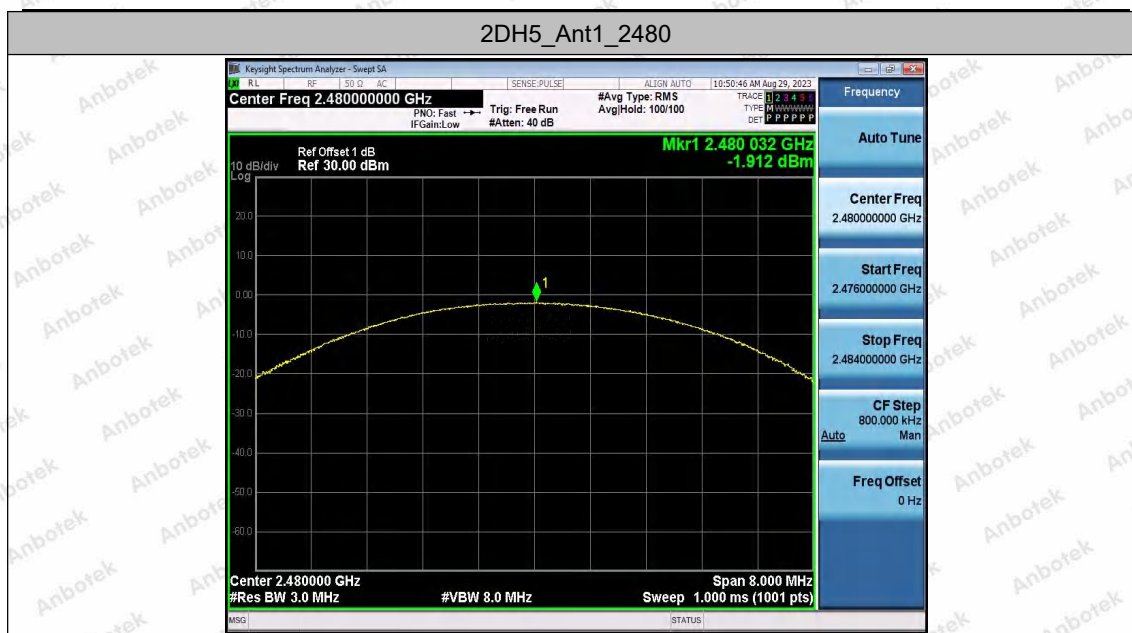
**Shenzhen Anbotek Compliance Laboratory Limited**

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: Carrier frequency separation

### Test Result

| Test Mode | Antenna | Frequency[MHz] | Result[MHz] | Limit[MHz] | Verdict |
|-----------|---------|----------------|-------------|------------|---------|
| DH5       | Ant1    | Hop            | 0.990       | ≥0.688     | PASS    |
| 2DH5      | Ant1    | Hop            | 1.028       | ≥0.886     | PASS    |

### Test Graphs



## Appendix E: Time of occupancy

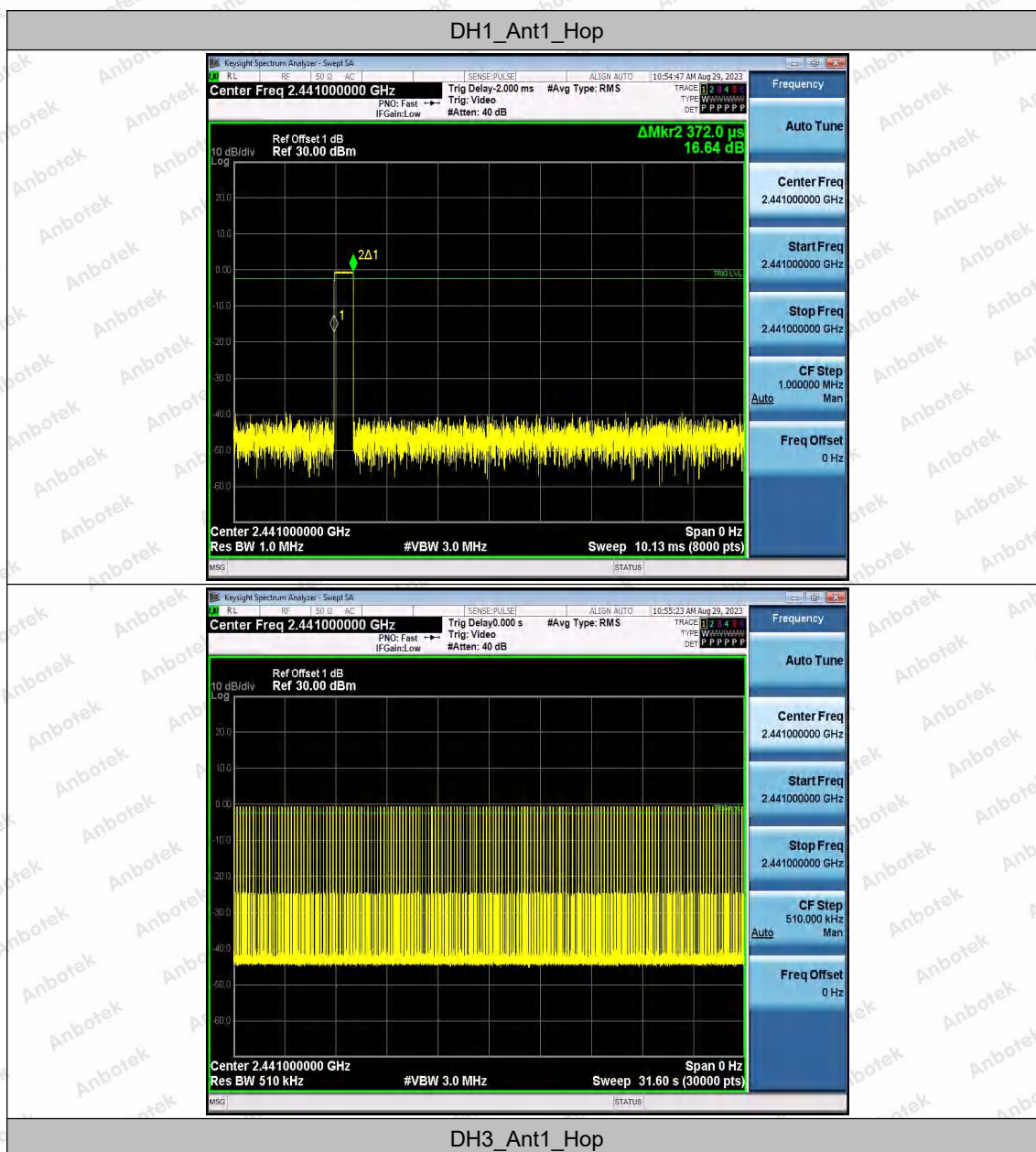
### Test Result

| TestMode | Antenna | Frequency[MHz] | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|----------------|--------------------|--------------------|-----------|----------|---------|
| DH1      | Ant1    | Hop            | 0.372              | 314                | 0.117     | ≤0.4     | PASS    |
| DH3      | Ant1    | Hop            | 1.629              | 158                | 0.257     | ≤0.4     | PASS    |
| DH5      | Ant1    | Hop            | 2.877              | 108                | 0.311     | ≤0.4     | PASS    |
| 2DH1     | Ant1    | Hop            | 0.380              | 313                | 0.119     | ≤0.4     | PASS    |
| 2DH3     | Ant1    | Hop            | 1.631              | 158                | 0.258     | ≤0.4     | PASS    |
| 2DH5     | Ant1    | Hop            | 2.879              | 111                | 0.32      | ≤0.4     | PASS    |





## Test Graphs



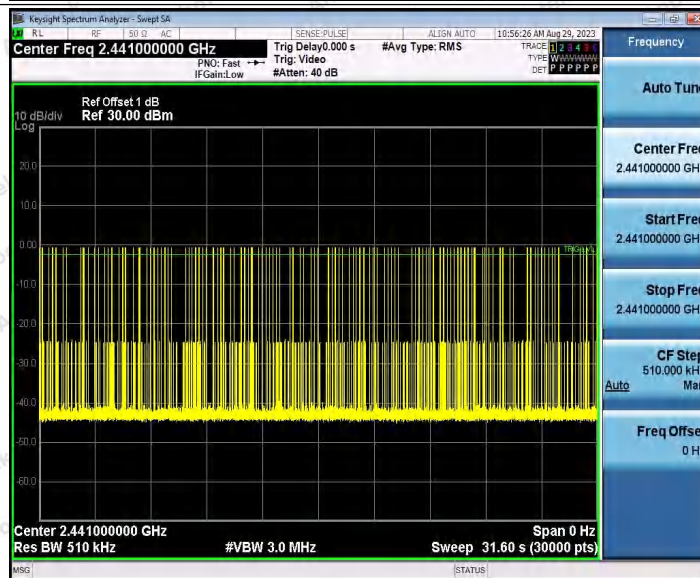
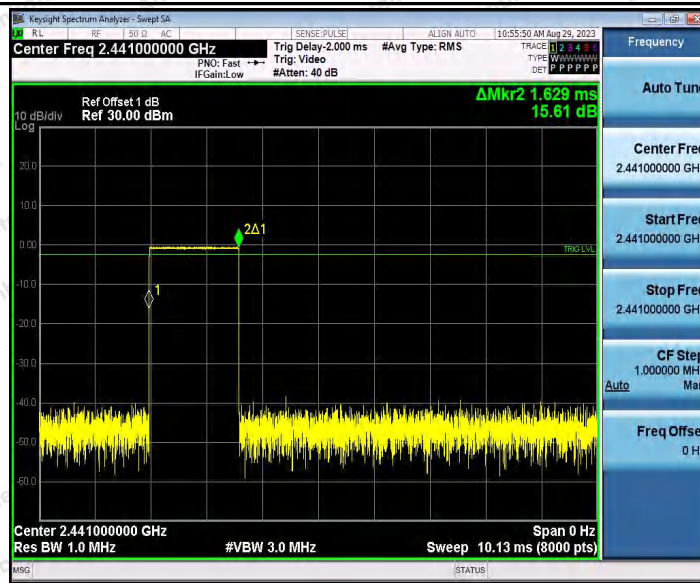
## Shenzhen Anbotek Compliance Laboratory Limited

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

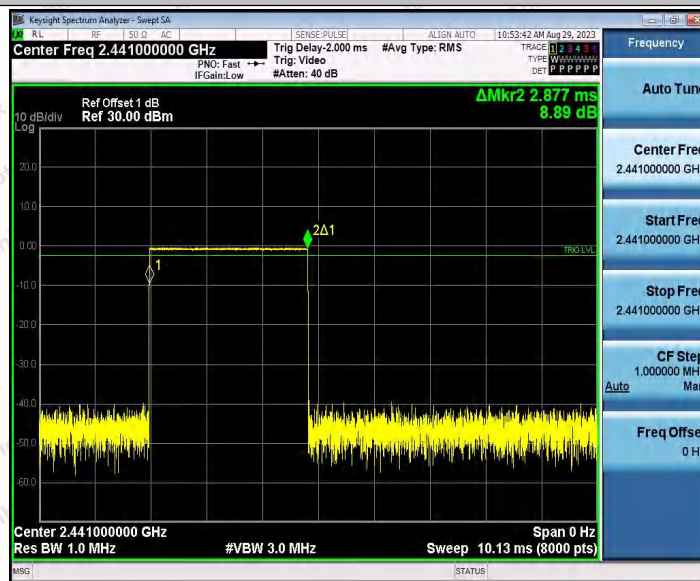


Hotline  
400-003-0500  
www.anbotek.com.cn





DH5\_Ant1\_Hop



## Shenzhen Anbotek Compliance Laboratory Limited

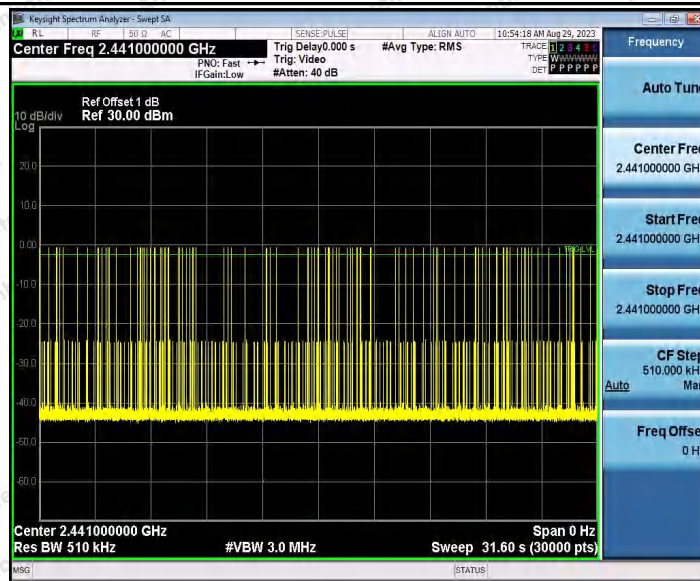
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



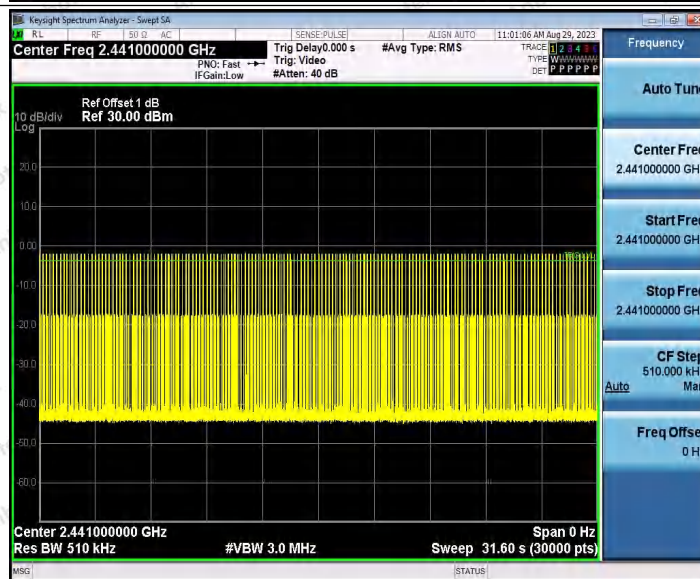
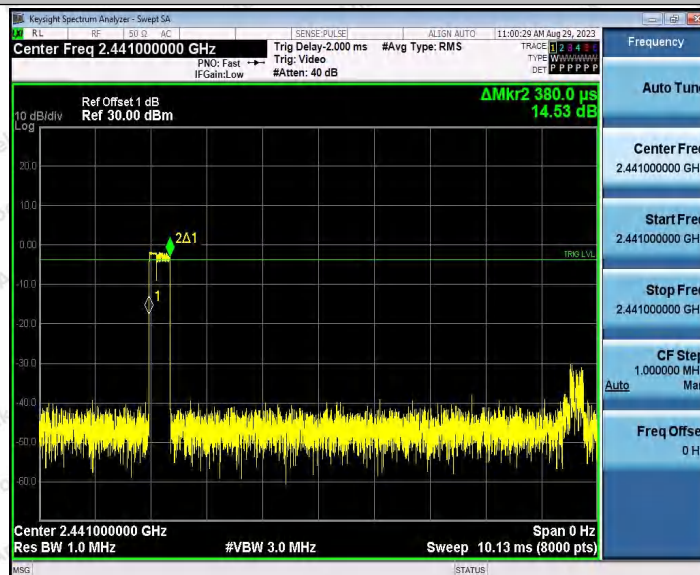
Hotline  
400-003-0500  
www.anbotek.com.cn







2DH1\_Ant1\_Hop



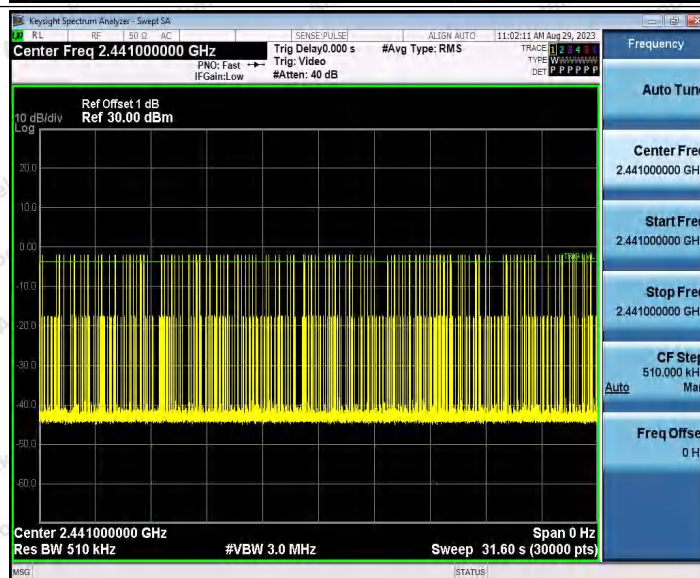
2DH3\_Ant1\_Hop

## Shenzhen Anbotek Compliance Laboratory Limited

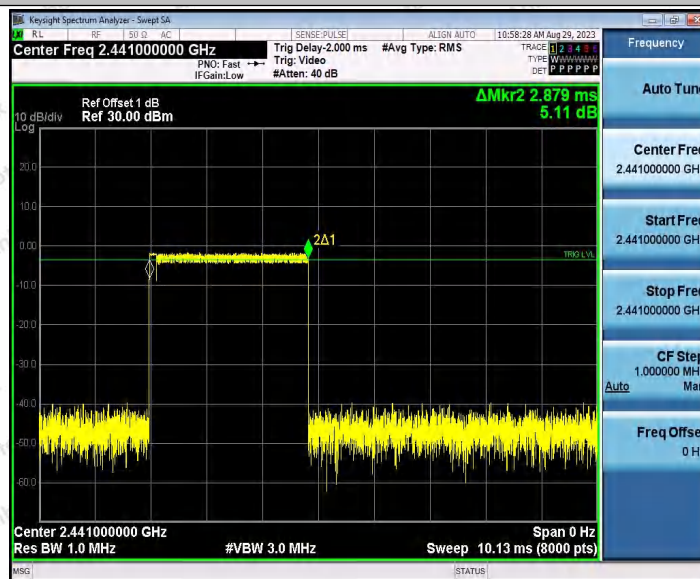
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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





2DH5\_Ant1\_Hop



## Shenzhen Anbotek Compliance Laboratory Limited

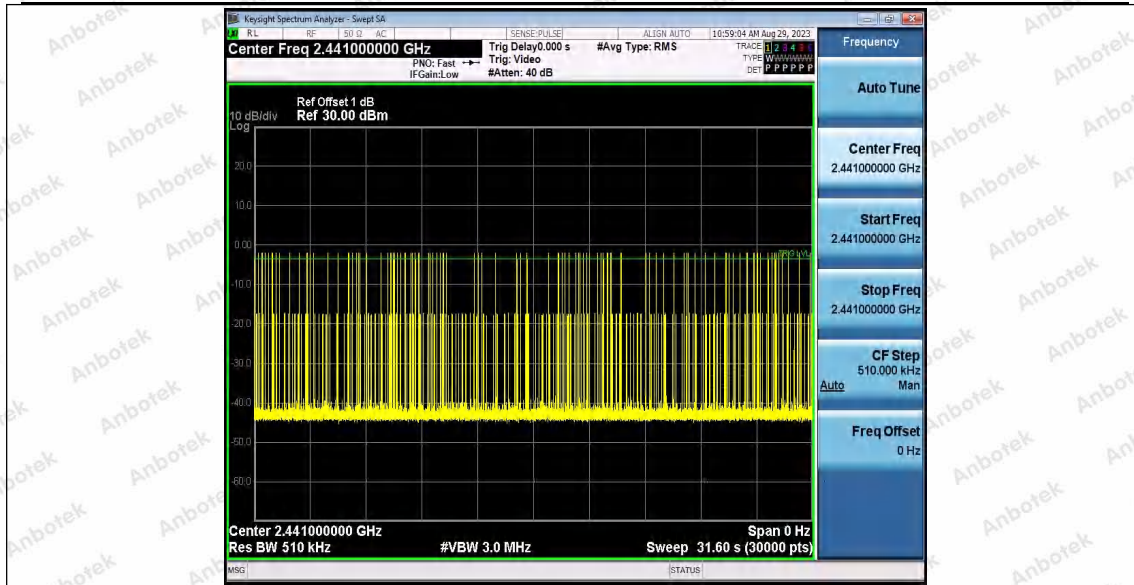
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



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

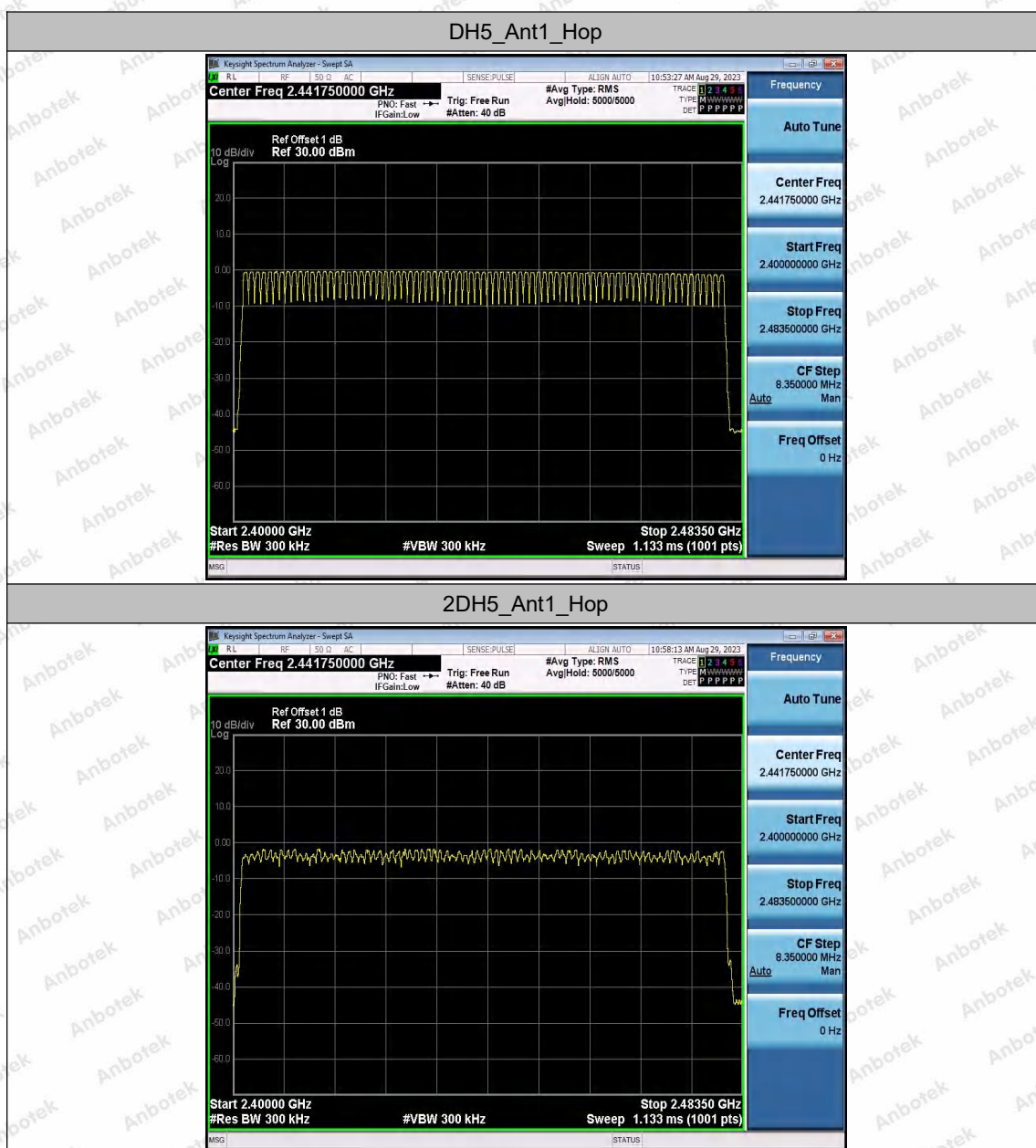


## Appendix F: Number of hopping channels

### Test Result

| Test Mode | Antenna | Frequency[MHz] | Result[Num] | Limit[Num] | Verdict |
|-----------|---------|----------------|-------------|------------|---------|
| DH5       | Ant1    | Hop            | 79          | ≥15        | PASS    |
| 2DH5      | Ant1    | Hop            | 79          | ≥15        | PASS    |

### Test Graphs





## Appendix G: Band edge measurements

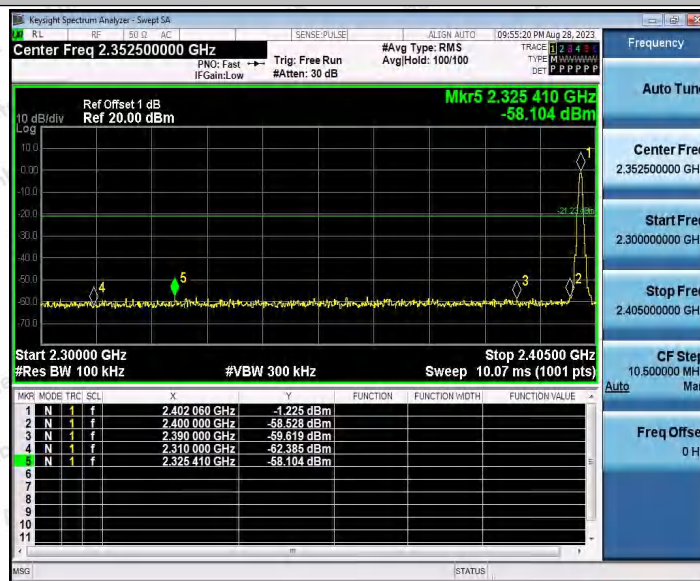
### Test Result

| TestMode | Antenna | ChName | Frequency[MHz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|---------|--------|----------------|-------------------|-----------------|----------------|---------|
| DH5      | Ant1    | Low    | 2402           | -1.23             | -58.10          | ≤-21.23        | PASS    |
|          |         | High   | 2480           | -1.86             | -57.83          | ≤-21.86        | PASS    |
|          |         | Low    | Hop_2402       | -1.01             | -57.41          | ≤-21.01        | PASS    |
|          |         | High   | Hop_2480       | -1.56             | -56.38          | ≤-21.56        | PASS    |
| 2DH5     | Ant1    | Low    | 2402           | -3.55             | -57.77          | ≤-23.55        | PASS    |
|          |         | High   | 2480           | -4.63             | -57.22          | ≤-24.63        | PASS    |
|          |         | Low    | Hop_2402       | -3.94             | -57.23          | ≤-23.94        | PASS    |
|          |         | High   | Hop_2480       | -5.72             | -56.49          | ≤-25.72        | PASS    |

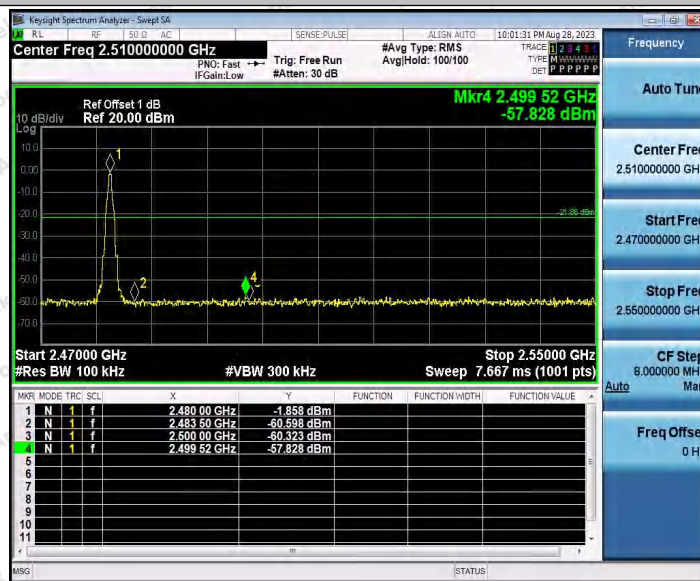


## Test Graphs

DH5\_Ant1\_Low\_2402



DH5\_Ant1\_High\_2480



DH5\_Ant1\_Low\_Hop\_2402

## Shenzhen Anbotek Compliance Laboratory Limited

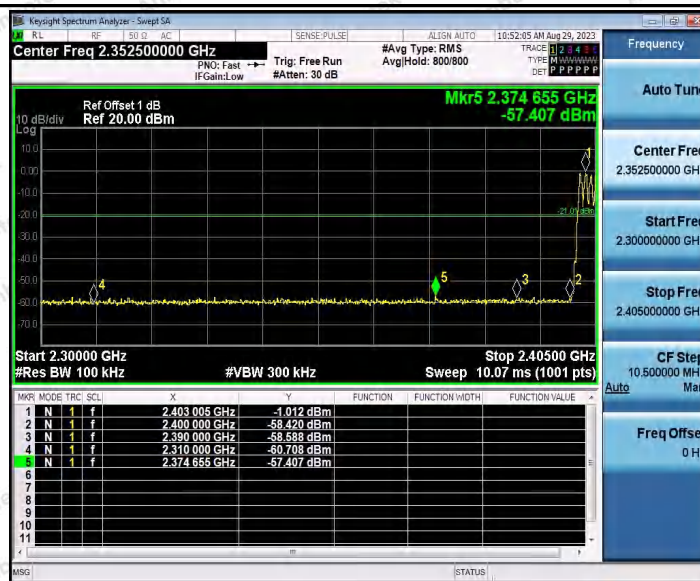
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



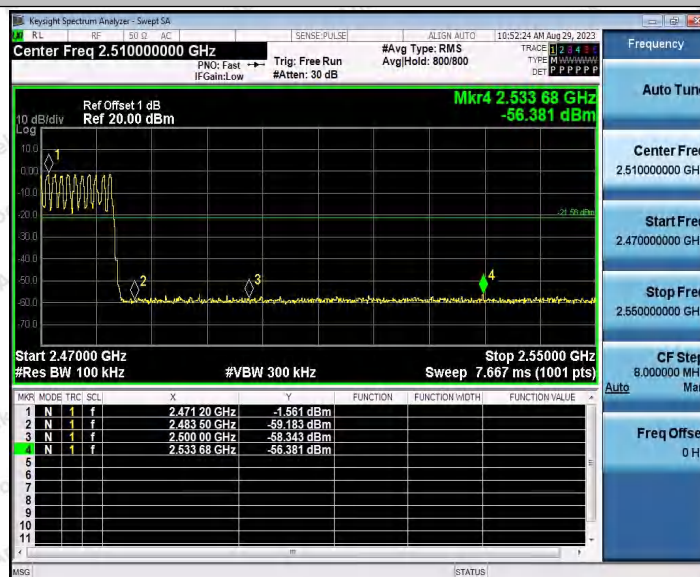
Hotline  
400-003-0500  
www.anbotek.com.cn



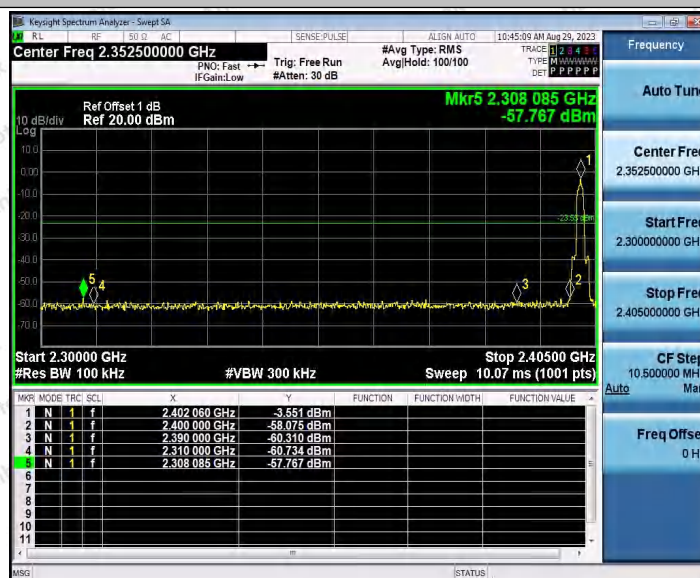




DH5\_Ant1\_High\_Hop\_2480



2DH5\_Ant1\_Low\_2402



## 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



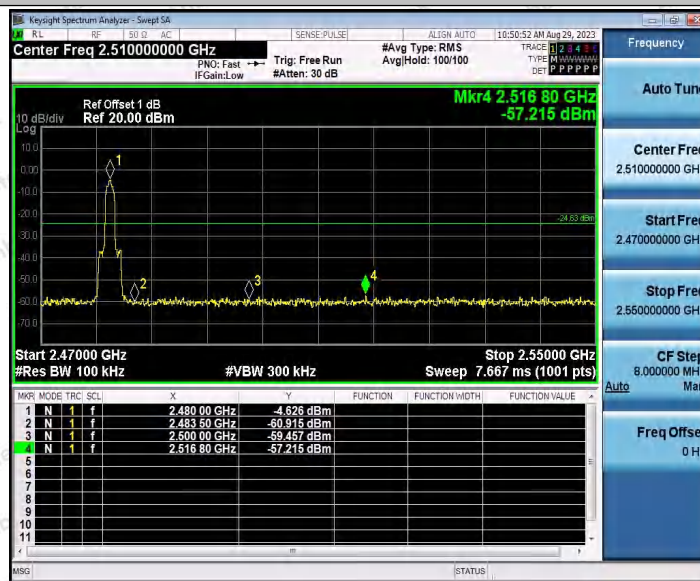
Hotline

400-003-0500

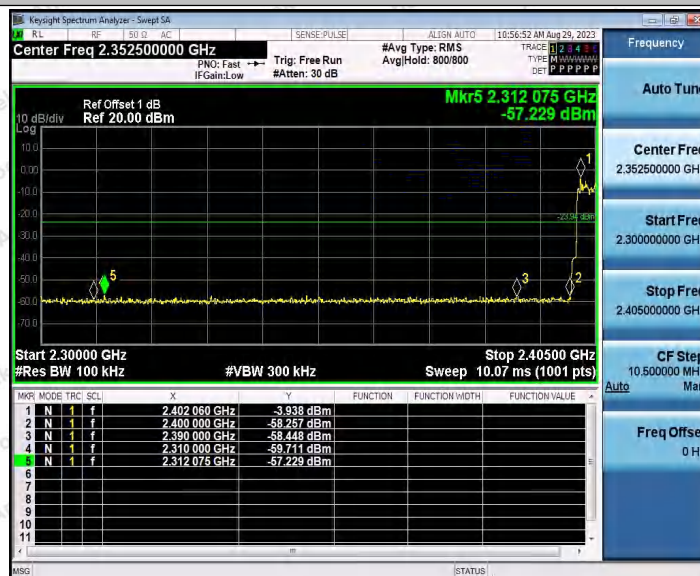
www.anbotek.com.cn



## 2DH5\_Ant1\_High\_2480



## 2DH5\_Ant1\_Low\_Hop\_2402



## 2DH5\_Ant1\_High\_Hop\_2480

### Shenzhen Anbotek Compliance Laboratory Limited

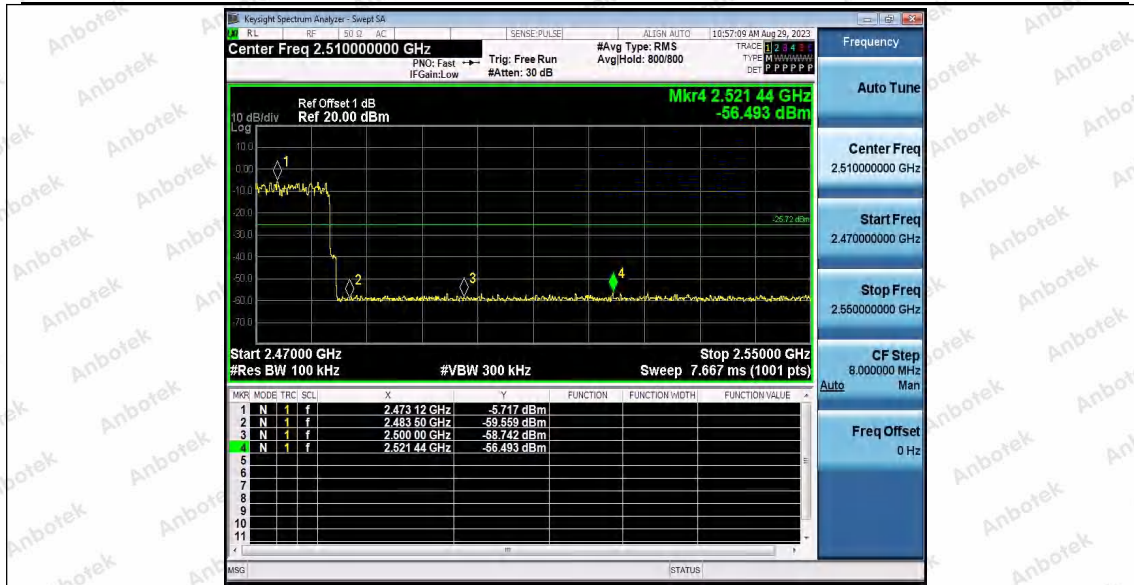
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



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 H: Conducted Spurious Emission

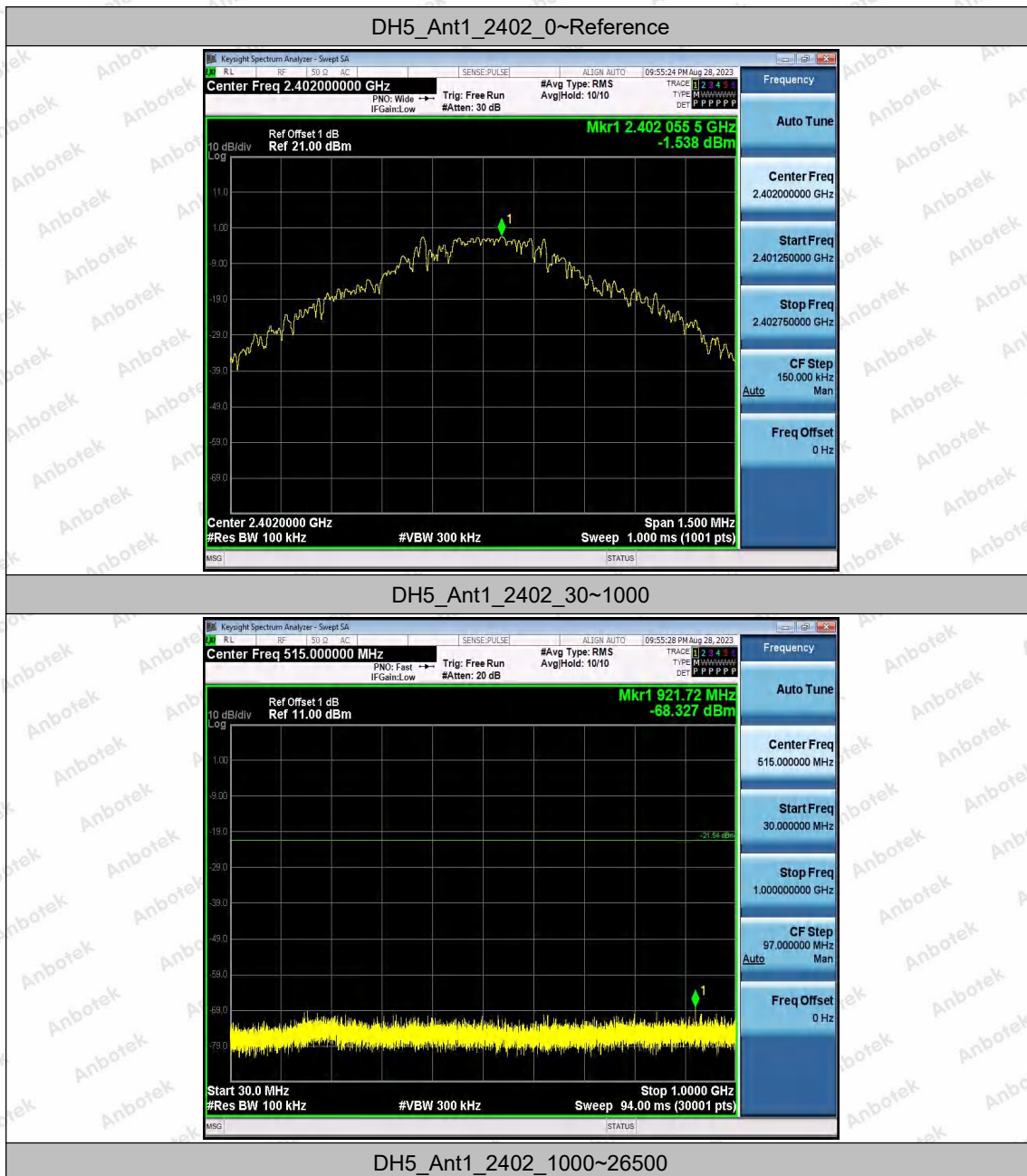
### Test Result

| TestMode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|----------------|-----------------|----------------|--------------|-------------|---------|
| DH5      | Ant1    | 2402           | Reference       | -1.54          | -1.54        | ---         | PASS    |
|          |         |                | 30~1000         | -1.54          | -68.33       | ≤-21.54     | PASS    |
|          |         |                | 1000~26500      | -1.54          | -53.48       | ≤-21.54     | PASS    |
|          |         | 2441           | Reference       | -1.53          | -1.53        | ---         | PASS    |
|          |         |                | 30~1000         | -1.53          | -68.92       | ≤-21.53     | PASS    |
|          |         |                | 1000~26500      | -1.53          | -53.51       | ≤-21.53     | PASS    |
|          |         | 2480           | Reference       | -2.16          | -2.16        | ---         | PASS    |
|          |         |                | 30~1000         | -2.16          | -69.56       | ≤-22.16     | PASS    |
|          |         |                | 1000~26500      | -2.16          | -53.53       | ≤-22.16     | PASS    |
| 2DH5     | Ant1    | 2402           | Reference       | -6.81          | -6.81        | ---         | PASS    |
|          |         |                | 30~1000         | -6.81          | -69.46       | ≤-26.81     | PASS    |
|          |         |                | 1000~26500      | -6.81          | -53.27       | ≤-26.81     | PASS    |
|          |         | 2441           | Reference       | -5.55          | -5.55        | ---         | PASS    |
|          |         |                | 30~1000         | -5.55          | -68.82       | ≤-25.55     | PASS    |
|          |         |                | 1000~26500      | -5.55          | -53.68       | ≤-25.55     | PASS    |
|          |         | 2480           | Reference       | -6.52          | -6.52        | ---         | PASS    |
|          |         |                | 30~1000         | -6.52          | -68.30       | ≤-26.52     | PASS    |
|          |         |                | 1000~26500      | -6.52          | -53.42       | ≤-26.52     | PASS    |





## Test Graphs



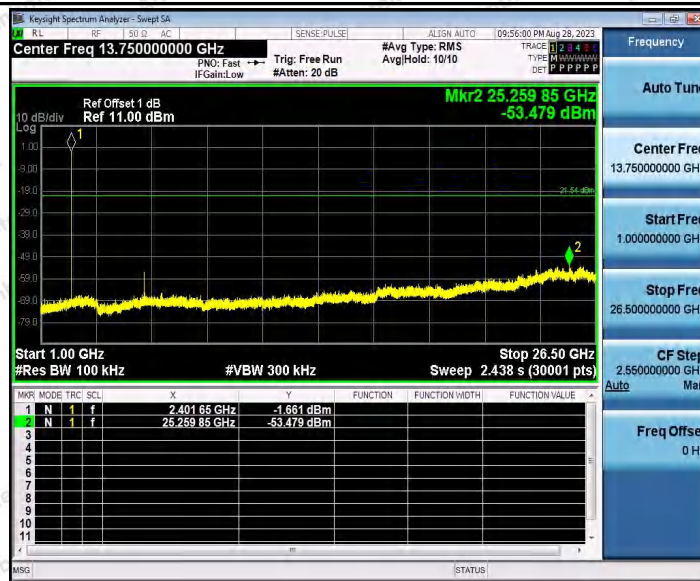
## Shenzhen Anbotek Compliance Laboratory Limited

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

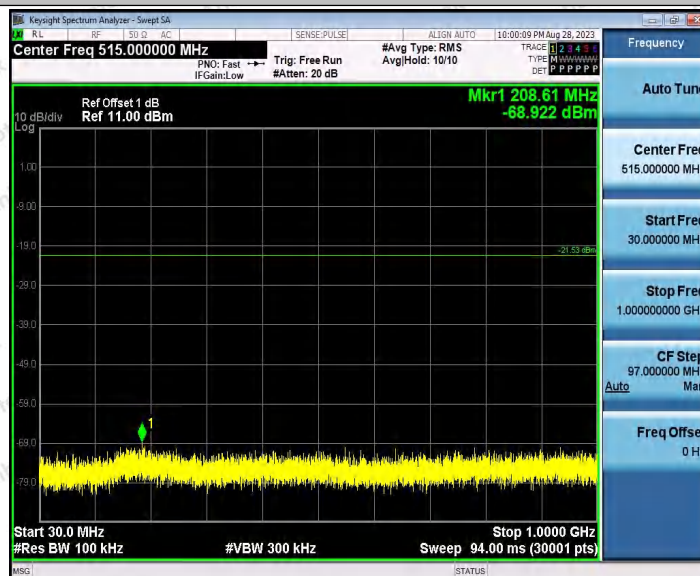




DH5\_Ant1\_2441\_0~Reference



DH5\_Ant1\_2441\_30~1000



## Shenzhen Anbotek Compliance Laboratory Limited

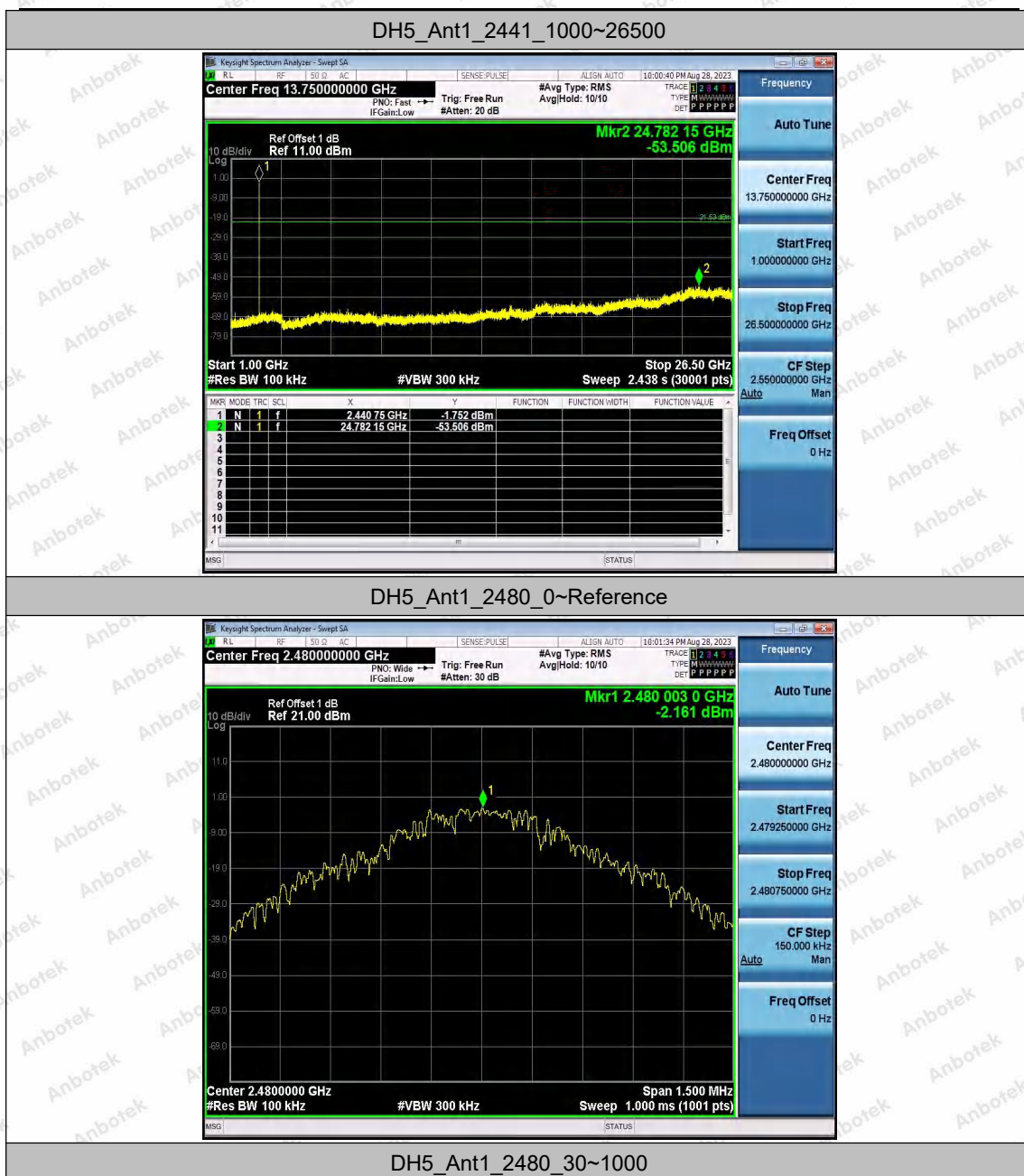
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



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

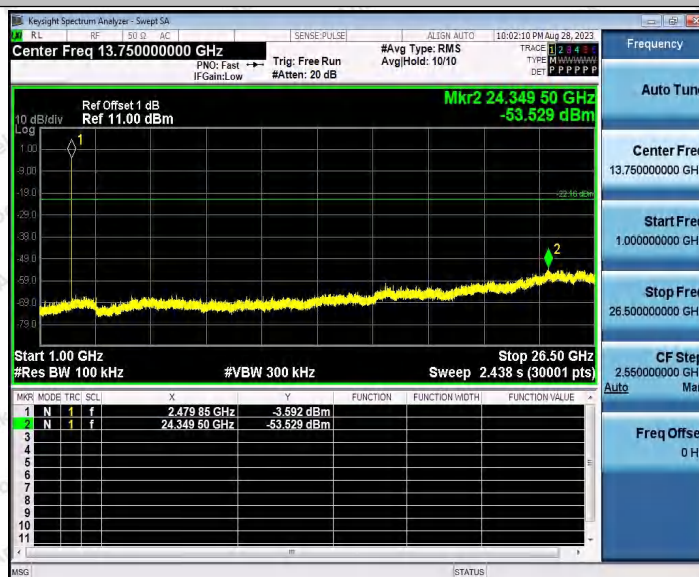


Hotline  
400-003-0500  
www.anbotek.com.cn





DH5\_Ant1\_2480\_1000~26500



2DH5\_Ant1\_2402\_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



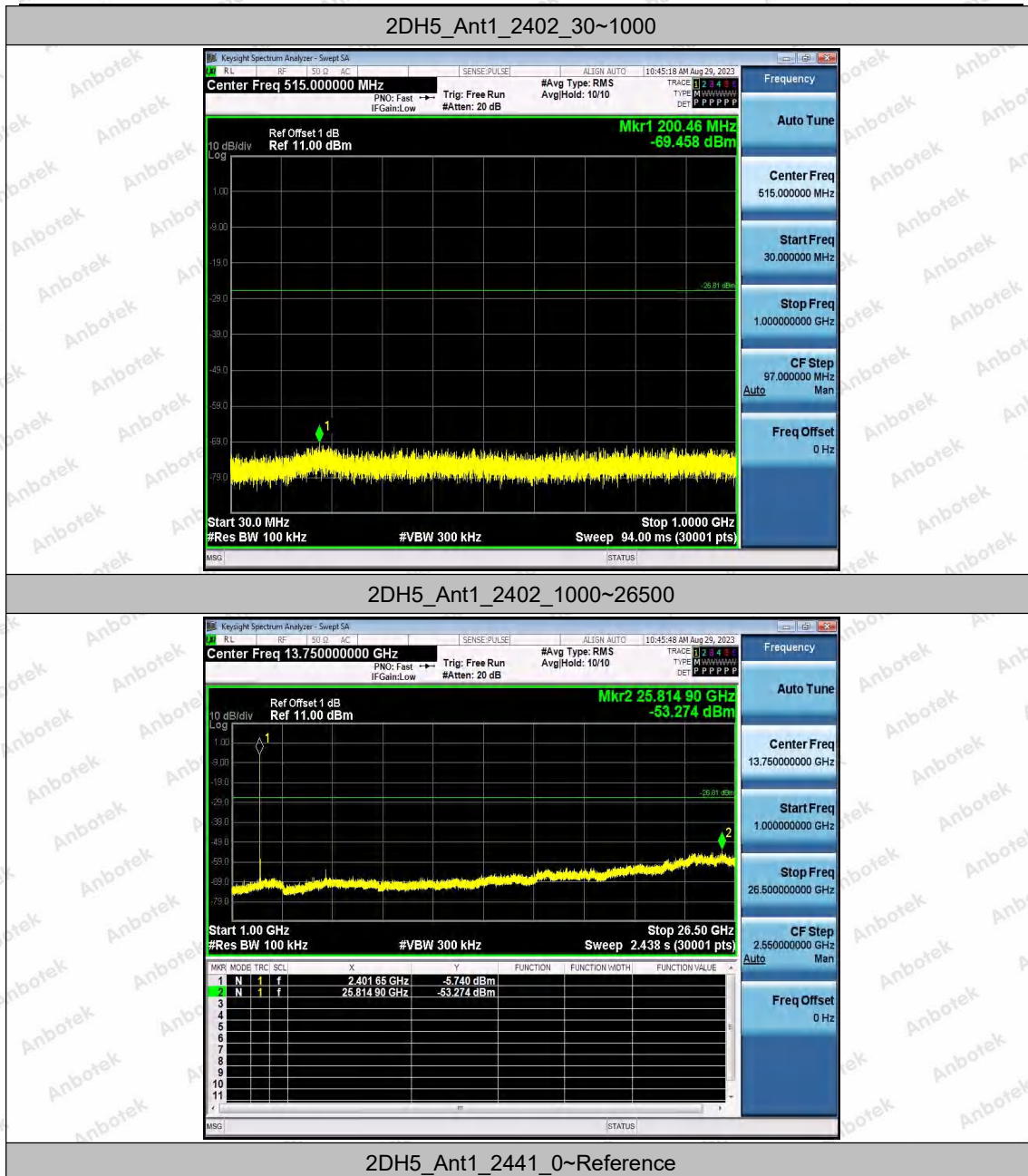
Hotline

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

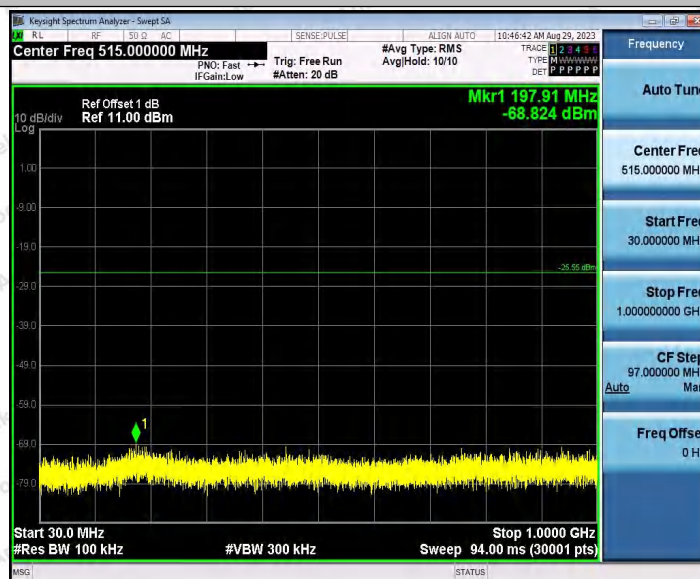


Hotline  
400-003-0500  
www.anbotek.com.cn





2DH5\_Ant1\_2441\_30~1000



2DH5\_Ant1\_2441\_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

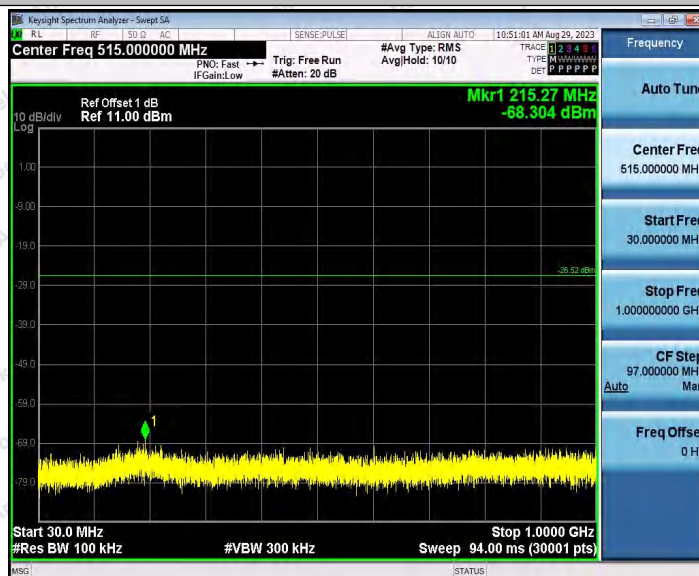




## 2DH5\_Ant1\_2480\_0~Reference



## 2DH5\_Ant1\_2480\_30~1000



## 2DH5\_Ant1\_2480\_1000~26500

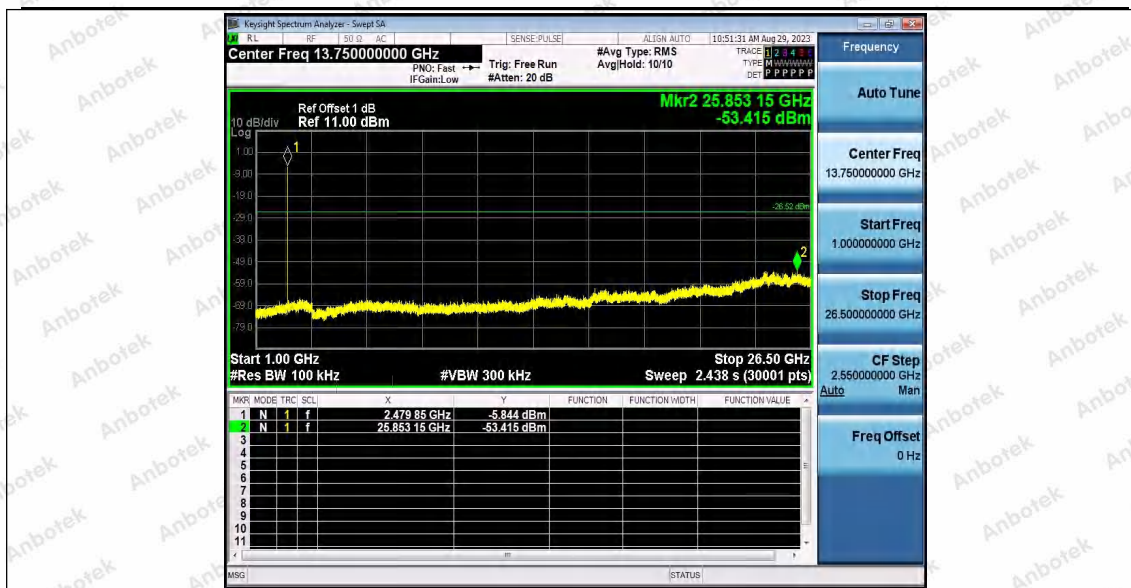
## Shenzhen Anbotek Compliance Laboratory Limited

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





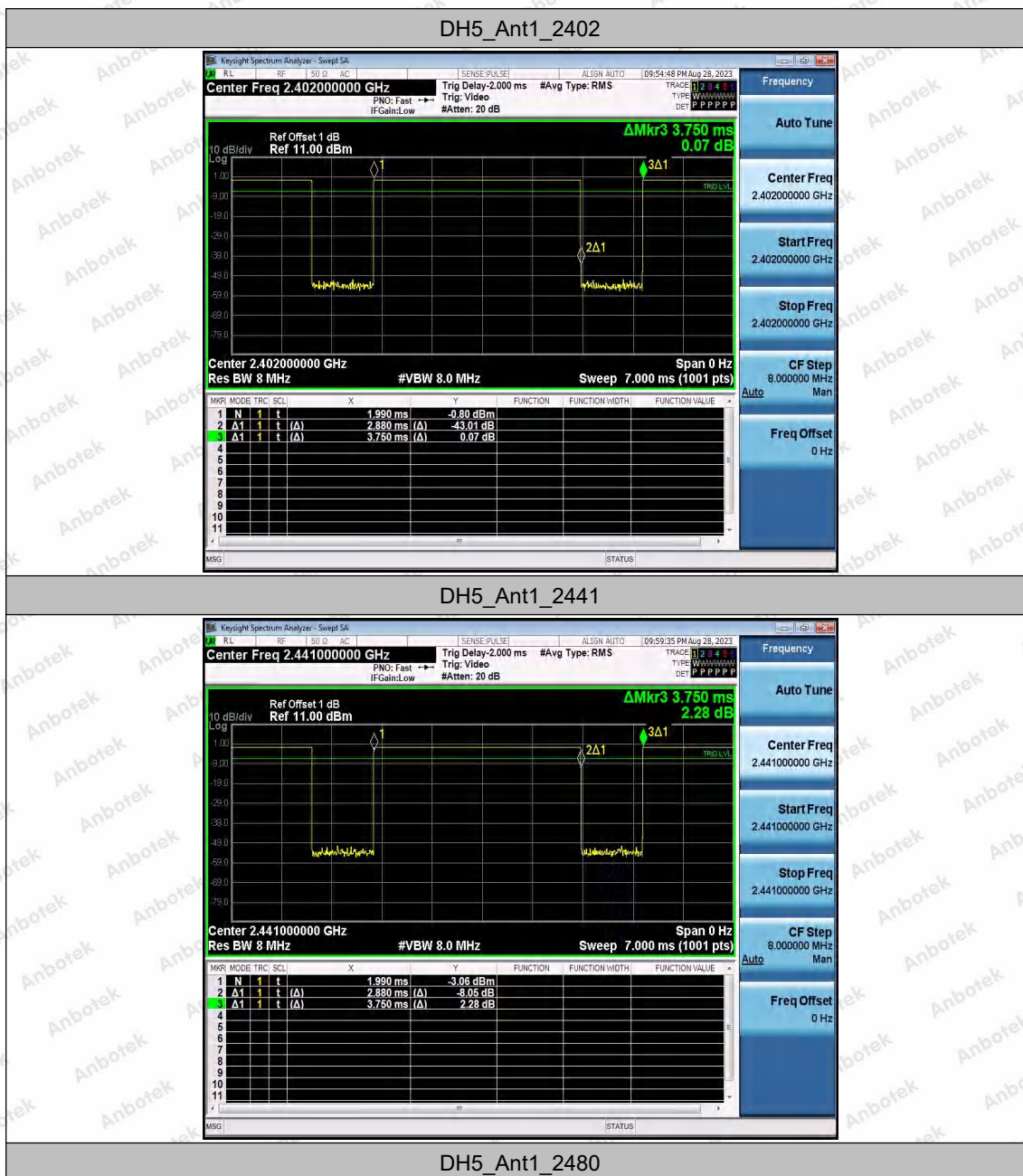
## Appendix I: Duty Cycle

### Test Result

| TestMode | Antenna | Frequency[MHz] | ON Time<br>[ms] | Period<br>[ms] | Duty Cycle<br>[%] | Duty Cycle<br>Factor[dB] |
|----------|---------|----------------|-----------------|----------------|-------------------|--------------------------|
| DH5      | Ant1    | 2402           | 2.88            | 3.75           | 76.80             | 1.15                     |
|          |         | 2441           | 2.88            | 3.75           | 76.80             | 1.15                     |
|          |         | 2480           | 2.88            | 3.75           | 76.80             | 1.15                     |
| 2DH5     | Ant1    | 2402           | 2.88            | 3.75           | 76.80             | 1.15                     |
|          |         | 2441           | 2.88            | 3.75           | 76.80             | 1.15                     |
|          |         | 2480           | 2.87            | 3.74           | 76.74             | 1.15                     |



## 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



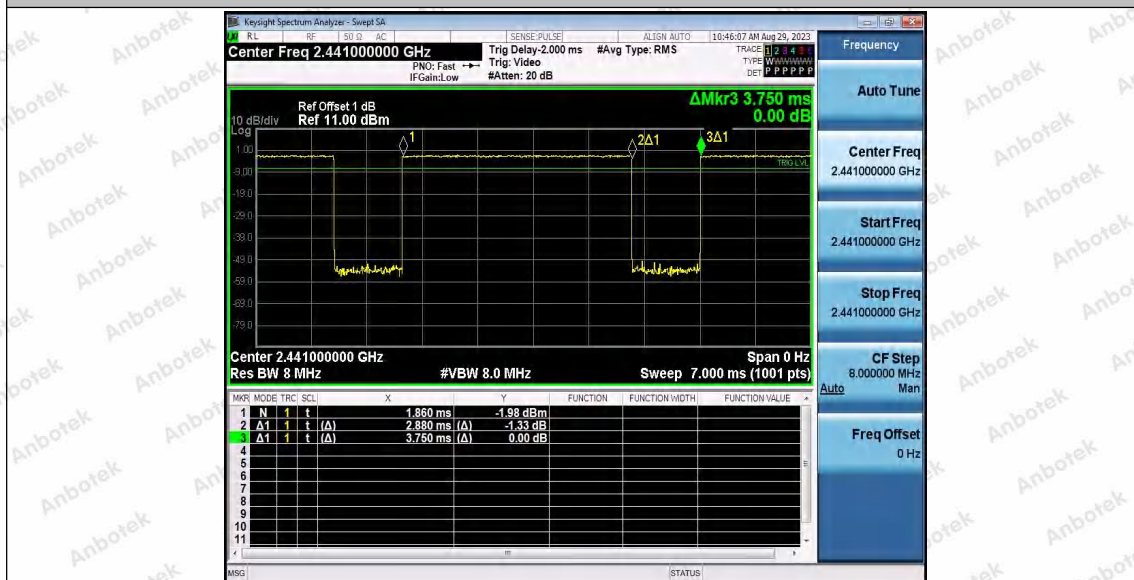




2DH5\_Ant1\_2402



2DH5\_Ant1\_2441

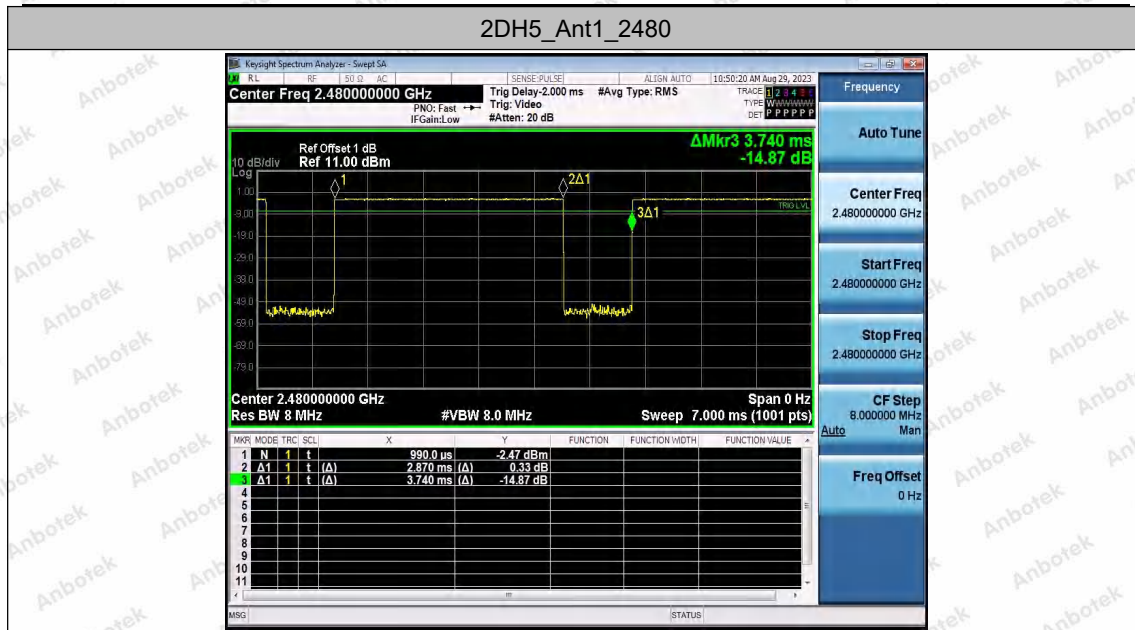


## Shenzhen Anbotek Compliance Laboratory Limited

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---

**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

