



ISO/IEC17025 Accredited Lab.

Report No:

FCC 1405094

File reference No:

2014-06-06

Applicant:

JIANGSU SHUANGSHUANG TECHNOLOGY CO., LTD.

Product:

MID

Model No:

TD75C2, TD7XXX(the "X" means one discretionary character of A/a – Z/z or one Arabic number of 0 – 9)

Trademark:

N/A

Test Standards:

FCC Part 15 Subpart C, Paragraph 15.247

Test result:

It is herewith confirmed and found to comply with the requirements set up by ANSI C63.4 and FCC Part 15 Subpart C, Paragraph 15.247 regulations for the evaluation of electromagnetic compatibility

Approved By

*Jack Chung*

Jack Chung

Manager

Dated:

June 06, 2014

**Results appearing herein relate only to the sample tested**

**The technical reports is issued errors and omissions exempt and is subject to withdrawal at**

**SHENZHEN TIMEWAY TECHNOLOGY CONSULTING CO., LTD**

5/F,Block 4, Anhua Industrial Zone.,No.8 TaiRan Rd. CheGongMiao, FuTian District, Shenzhen, CHINA.

Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timewaytech.com



### **Special Statement:**

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAL. This approval result is accepted by MRA of APLAC.

Our test facility is recognized, certified, or accredited by the following organizations:

#### **CNAL-LAB Code: L2292**

The EMC Laboratory has been assessed and in compliance with CNAL/AC01:2002 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:1999 General Requirements) for the Competence of testing Laboratories.

#### **FCC-Registration No.: 899988**

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 899988.

#### **IC- Registration No.: IC5205A-02**

The EMC Laboratory has been registered and fully described in a report filed with the (IC) Industry Canada. The acceptance letter from the IC is maintained in our files. Registration IC No.: 5205A-02.

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



## Test Report Conclusion

### Content

|            |                                           |    |
|------------|-------------------------------------------|----|
| <b>1.0</b> | <b>General Details</b>                    | 4  |
| 1.1        | Test Lab Details                          | 4  |
| 1.2        | Applicant Details                         | 4  |
| 1.3        | Description of EUT                        | 4  |
| 1.4        | Submitted Sample                          | 5  |
| 1.5        | Test Duration                             | 5  |
| 1.6        | Test Uncertainty                          | 5  |
| 1.7        | Test By                                   | 5  |
| <b>2.0</b> | <b>List of Measurement Equipment</b>      | 6  |
| <b>3.0</b> | <b>Technical Details</b>                  | 9  |
| 3.1        | Summary of Test Results                   | 9  |
| 3.2        | Test Standards                            | 9  |
| <b>4.0</b> | <b>EUT Modification</b>                   | 9  |
| <b>5.0</b> | <b>Power Line Conducted Emission Test</b> | 10 |
| 5.1        | Schematics of the Test                    | 10 |
| 5.2        | Test Method and Test Procedure            | 10 |
| 5.3        | Configuration of the EUT                  | 10 |
| <b>5.4</b> | <b>EUT Operating Condition</b>            | 11 |
| <b>5.5</b> | <b>Conducted Emission Limit</b>           | 11 |
| <b>5.6</b> | <b>Test Result</b>                        | 11 |
| <b>6.0</b> | <b>Radiated Emission test</b>             | 14 |
| 6.1        | Test Method and Test Procedure            | 14 |
| 6.2        | Configuration of the EUT                  | 14 |
| 6.3        | EUT Operation Condition                   | 14 |
| 6.4        | Radiated Emission Limit                   | 15 |
| 7.0        | 6dB Bandwidth Measurement                 | 39 |
| 8.0        | Maximum Peak Output Power                 | 58 |
| 9.0        | Power Spectral Density Measurement        | 61 |
| 10.0       | Out of Band Measurement                   | 79 |
| 11.0       | Antenna Requirement                       | 90 |
| 12.0       | FCC ID Label                              | 91 |
| 13.0       | Photo of Test Setup and EUT View          | 92 |

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer, supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



## 1.0 General Details

### 1.1 Test Lab Details

Name : SHENZHEN TIMEWAY TECHNOLOGY CONSULTING CO., LTD  
Address: 5/F,Block 4, Anhua Industrial Zone.,No.8 TaiRan Rd. CheGongMiao, FuTian District, Shenzhen, CHINA.  
Telephone: (755) 83448688  
Fax: (755) 83442996  
Site on File with the Federal Communications Commission – United States  
Registration Number: 899988  
For 3m & 10 m OATS  
Site Listed with Industry Canada of Ottawa, Canada  
Registration Number: IC: 5205A-02  
For 3m & 10 m OATS

### 1.2 Applicant Details

Applicant: JIANGSU SHUANGSHUANG TECHNOLOGY CO., LTD.  
Address: No.188, West Coastal Road, Haian County, Jiangsu Province, P.R. China.  
Telephone: 0513-88355088  
Fax: 0513-88355618

### 1.3 Description of EUT

|                          |                                                                                                                                                                                                                                                        |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product:                 | MID                                                                                                                                                                                                                                                    |
| Manufacturer:            | JIANGSU SHUANGSHUANG TECHNOLOGY CO., LTD.                                                                                                                                                                                                              |
| Address:                 | No.188, West Coastal Road, Haian County, Jiangsu Province, P.R. China.                                                                                                                                                                                 |
| Brand Name:              | N/A                                                                                                                                                                                                                                                    |
| Model Number:            | TD75C2                                                                                                                                                                                                                                                 |
| Additional Model Number: | TD7XXX(the "X" means one discretionary character of A/a – Z/z or one Arabic number of 0 – 9)                                                                                                                                                           |
| Type of Modulation       | IEEE 802.11b : DSSS (CCK, QPSK, DBPSK)<br>IEEE 802.11g/n (HT20/HT40) : OFDM(64QAM, 16QAM, QPSK, BPSK)                                                                                                                                                  |
| Frequency range          | IEEE 802.11b/g/n (HT20) : 2412-2462MHz;<br>IEEE 802.11n HT40 : 2422MHz-2452MHz                                                                                                                                                                         |
| Channel Spacing          | IEEE 802.11b/g/n (HT20/40) : 5MHz                                                                                                                                                                                                                      |
| Air Data Rate            | IEEE 802.11b : 11, 5.5, 2, 1 Mbps<br>IEEE 802.11g : 54, 48,36, 24, 18, 12, 9, 6 Mbps<br>IEEE 802.11n HT20 : 135, 117, 104, 78, 65, 58.5, 52, 39, 26, 19.5, 13, 6 Mbps<br>IEEE 802.11n HT40 : 135, 117, 104, 78, 65, 58.5, 52, 39, 26, 19.5, 13, 6 Mbps |
| Frequency Selection      | By software                                                                                                                                                                                                                                            |

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Channel Number IEEE 802.11b/g/n (HT20) : 11 Channels  
IEEE 802.11n HT40 : 7 Channels  
Antenna: Integral Antenna with maximum gain 2.0 dBi  
Power Supply: Model No.: JHD-AP012U-050200AB  
Input: 100-240V~50/60Hz, 0.35A; Output: 5V, 2000mA  
Rated input Voltage Input: DC5V, with Li-ion Battery 3.7V, 2200mAh

1.4 Submitted Sample: 2 Samples

1.5 Test Duration

2014-05-14 to 2014-06-12

1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB

Radiated Emissions Uncertainty =4.7dB

1.7 Test Engineer

*Terry Tang*

The sample tested by \_\_\_\_\_

Print Name: Terry Tang

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report, the Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



| 2.0                    | Test Equipments |            |                       |              |            |
|------------------------|-----------------|------------|-----------------------|--------------|------------|
| Instrument Type        | Manufacturer    | Model      | Serial No.            | Date of Cal. | Due Date   |
| ESPI Test Receiver     | ROHDE&SCHWARZ   | ESPI 3     | 100379                | 2013-08-23   | 2014-08-22 |
| TWO<br>Line-V-NETW     | ROHDE&SCHWARZ   | EZH3-Z5    | 100294                | 2013-08-23   | 2014-08-22 |
| TWO<br>Line-V-NETW     | ROHDE&SCHWARZ   | EZH3-Z5    | 100253                | 2013-08-23   | 2014-08-22 |
| Ultra Broadband<br>ANT | ROHDE&SCHWARZ   | HL562      | 100157                | 2013-08-25   | 2014-08-24 |
| ESDV Test Receiver     | ROHDE&SCHWARZ   | ESDV       | 100008                | 2013-08-23   | 2014-08-22 |
| Impuls-Begrenzer       | ROHDE&SCHWARZ   | ESH3-Z2    | 100281                | 2013-08-24   | 2014-08-23 |
| System Controller      | CT              | SC100      | -                     | --           | --         |
| Printer                | EPSON           | PHOTO EX3  | CFNH234850            | --           | --         |
| Computer               | IBM             | 8434       | 1S8434KCE99BLXL<br>O* | -            | -          |
| Loop Antenna           | EMCO            | 6502       | 00042960              | 2013-08-23   | 2014-08-22 |
| ESPI Test Receiver     | ROHDE&SCHWARZ   | ESI26      | 838786/013            | 2013-08-23   | 2014-08-22 |
| 3m OATS                | --              | --         | N/A                   | 2013-08-22   | 2014-08-21 |
| Horn Antenna           | SCHWARZBECK     | BBHA 9170  | BBHA9170265           | 2013-08-24   | 2014-08-23 |
| Horn Antenna           | SCHWARZBECK     | BBHA 9120D | 9120D-631             | 2013-08-24   | 2014-08-23 |
| Power meter            | Anritsu         | ML2487A    | 6K00003613            | 2013-08-24   | 2014-08-23 |
| Power sensor           | Anritsu         | MA2491A    | 32263                 | 2013-08-24   | 2014-08-23 |
| Bilog Antenna          | Schwarebeck     | VULB9163   | 9163/340              | 2013-08-24   | 2014-08-23 |
| LISN                   | AFJ             | LS16C      | 10010947251           | 2013-08-24   | 2014-08-23 |
| LISN (Three Phase)     | Schwarebeck     | NSLK 8126  | 8126453               | 2013-08-23   | 2014-08-22 |
| 9*6*6 Anechoic         | --              | --         | N/A                   | 2013-08-22   | 2014-08-21 |
| EMI Test Receiver      | RS              | ESCS30     | 100139                | 2013-08-23   | 2014-08-22 |

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



2.1 Auxiliary Equipment

| Name             | Model No. | Serial No. | Manufacturer | Cable | FCC ID/DOC |
|------------------|-----------|------------|--------------|-------|------------|
| TF Card          | --        | --         | Kingston     | --    | --         |
| Passive Earphone | --        | --         | --           | --    | --         |

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



### 3. DESCRIPTION OF TEST MODES

#### IEEE 802.11b, 802.11g, 802.11n (HT20) mode

The EUT had been tested under operating condition. There are three channels have been tested as following:

| Channel | Frequency (MHz) |
|---------|-----------------|
| Low     | 2412            |
| Middle  | 2437            |
| High    | 2462            |

IEEE 802.11b mode: 11Mbps data rate (worst case) was chosen for full testing. IEEE 802.11g mode: 54Mbps data rate (worst case) was chosen for full testing. IEEE 802.11n (HT20) mode: 65Mbps data rate (worst case) were chosen for full testing

#### IEEE 802.11n HT40

The EUT had been tested under operating condition. There are three channels have been tested as following:

| Channel | Frequency (MHz) |
|---------|-----------------|
| Low     | 2422            |
| Mid     | 2437            |
| High    | 2452            |

IEEE 802.11n HT40 mode: 65Mbps data rate (worst case) was chosen for full testing.

The worst-case data rates are determined according to the description above, based on the investigations by measuring the PSD and average power across all the data rates, bandwidths, modulations and spatial stream modes.

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



### 3.0 Technical Details

#### 3.1 Summary of test results

| The EUT has been tested according to the following specifications: |                                                                                                                                                        |        |          |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|
| Standard                                                           | Test Type                                                                                                                                              | Result | Notes    |
| FCC Part 15, Paragraph 15.107 & 15.207                             | Conducted Emission Test                                                                                                                                | PASS   | Complies |
| FCC Part 15 Subpart C Paragraph 15.247(a)(2) Limit                 | Spectrum bandwidth of a Orthogonal Frequency Division Multiplex System<br>Limit: 6dB<br>bandwidth>500kHz                                               | PASS   | Complies |
| FCC Part 15, Paragraph 15.247(b)                                   | Maximum peak output power<br>Limit: max. 30dBm                                                                                                         | PASS   | Complies |
| FCC Part 15, Paragraph 15.109,15.205 & 15.209                      | Transmitter Radiated Emission<br>Limit: Table 15.209                                                                                                   | PASS   | Complies |
| FCC Part 15, Paragraph 15.247(e)                                   | Power Spectral Density<br>Limit: max. 8dBm                                                                                                             | PASS   | Complies |
| FCC Part 15, Paragraph 15.247(d)                                   | Out of Band Emission and Restricted Band Radiation<br>Limit: 20dB less than peak value of fundamental frequency<br>Restricted band limit: Table 15.209 | PASS   | Complies |

#### 3.2 Test Standards

FCC Part 15 Subpart & Subpart C, Paragraph 15.247

#### 4.0 EUT Modification

No modification by Shenzhen Timeway Technology Consulting Co., Ltd

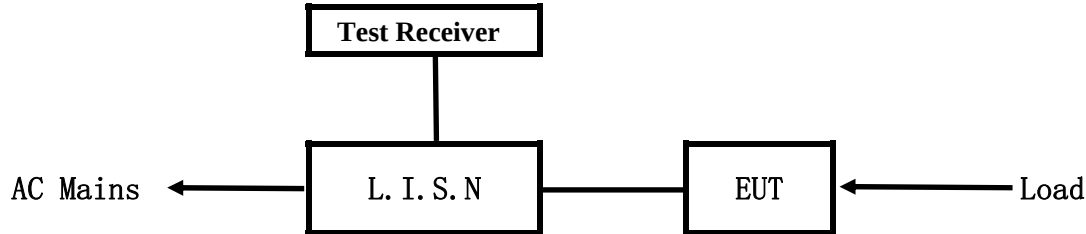
The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

## 5. Power Line Conducted Emission Test

### 5.1 Schematics of the test



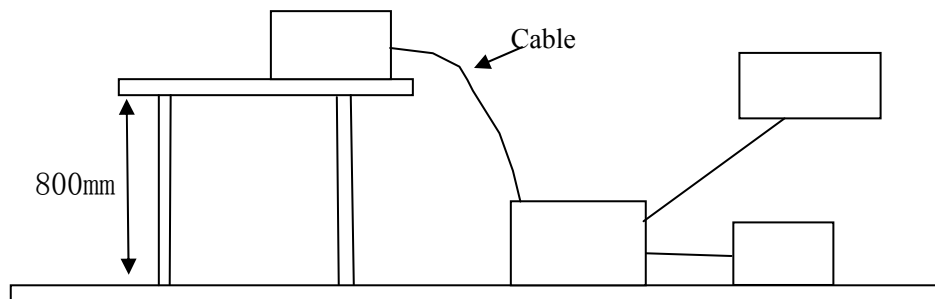
EUT: Equipment Under Test

### 5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.4-2003. The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.4 –2003.

Test Voltage: 120V~, 60Hz

Block diagram of Test setup



### 5.3 Configuration of The EUT

The EUT was configured according to ANSI C63.4-2003. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

#### A. EUT

| Device | Manufacturer                              | Model  | FCC ID       |
|--------|-------------------------------------------|--------|--------------|
| MID    | JIANGSU SHUANGSHUANG TECHNOLOGY CO., LTD. | TD75C2 | 2ABDT-TD75C2 |

#### B. Internal Device

| Device | Manufacturer | Model | FCC ID/DOC |
|--------|--------------|-------|------------|
| N/A    |              |       |            |

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



C. Peripherals

| Device | Manufacturer | Model | FCC ID/DOC | Cable |
|--------|--------------|-------|------------|-------|
| N/A    |              |       |            |       |

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.4 -2003.

A Setup the EUT and simulators as shown on follow

B Enable AF signal and confirm EUT active to normal condition

5.5 Power line conducted Emission Limit according to Paragraph 15.207.

| Frequency<br>(MHz) | Class A Limits (dB $\mu$ V) |               | Class B Limits (dB $\mu$ V) |               |
|--------------------|-----------------------------|---------------|-----------------------------|---------------|
|                    | Quasi-peak Level            | Average Level | Quasi-peak Level            | Average Level |
| 0.15 ~ 0.50        | 79.0                        | 66.0          | 66.0~56.0*                  | 56.0~46.0*    |
| 0.50 ~ 5.00        | 73.0                        | 60.0          | 56.0                        | 46.0          |
| 5.00 ~ 30.00       | 73.0                        | 60.0          | 60.0                        | 50.0          |

- Notes: 1. \*Decreasing linearly with logarithm of frequency.  
2. The tighter limit shall apply at the transition frequencies

5.6 Test Results

The frequency spectrum from 0.15MHz to 30MHz was investigated. All reading are quasi-peak values with a resolution bandwidth of 9kHz.

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



**A: Conducted Emission on Live Terminal (150kHz to 30MHz)**

**EUT Operating Environment**

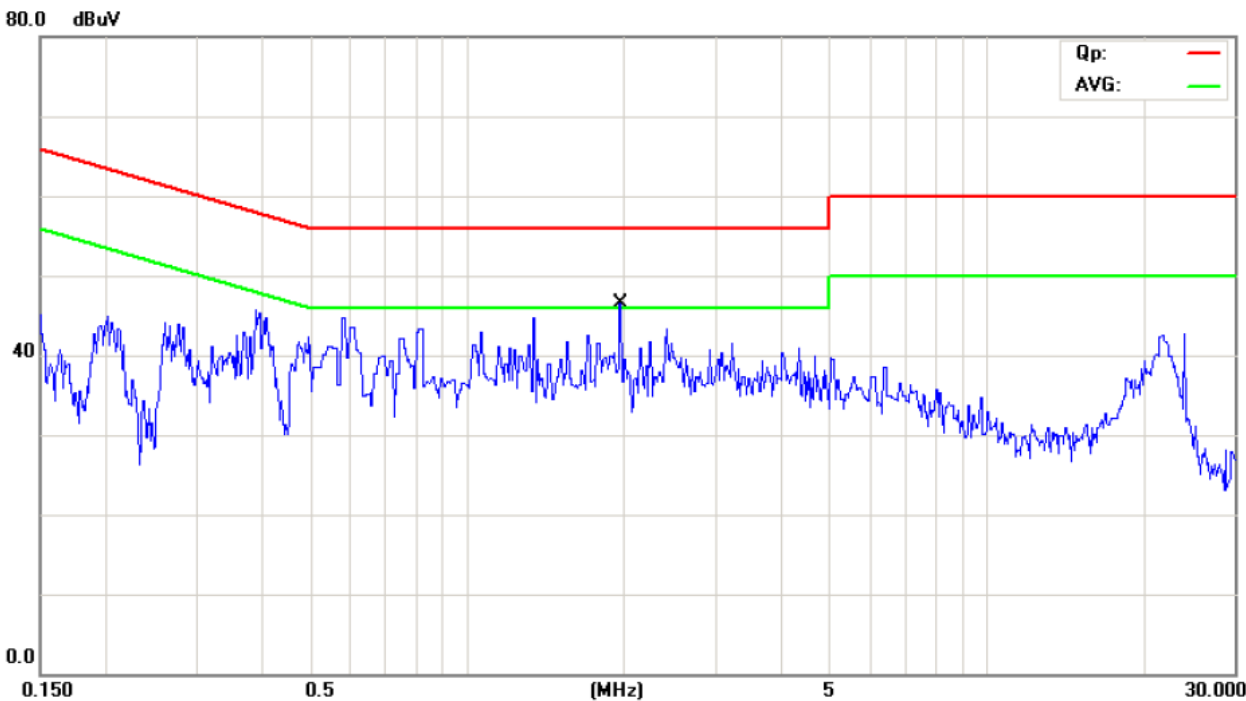
Temperature: 26℃      Humidity: 65%RH      Atmospheric Pressure: 101 KPa

**EUT set Condition: Charging and Keep WIFI transmitting**

**Equipment Level: Class B**

**Results: PASS**

Please refer to following diagram for individual



| No. | Mk. | Freq.  | Reading Level | Correct Factor | Measure-ment | Limit | Over   |          |         |
|-----|-----|--------|---------------|----------------|--------------|-------|--------|----------|---------|
|     |     | MHz    | dBuV          | dB             | dBuV         | dBuV  | dB     | Detector | Comment |
| 1   | *   | 1.9508 | 20.00         | 12.28          | 32.28        | 56.00 | -23.72 | QP       |         |
| 2   |     | 1.9508 | -0.70         | 12.28          | 11.58        | 46.00 | -34.42 | AVG      |         |

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



**B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)**

**EUT Operating Environment**

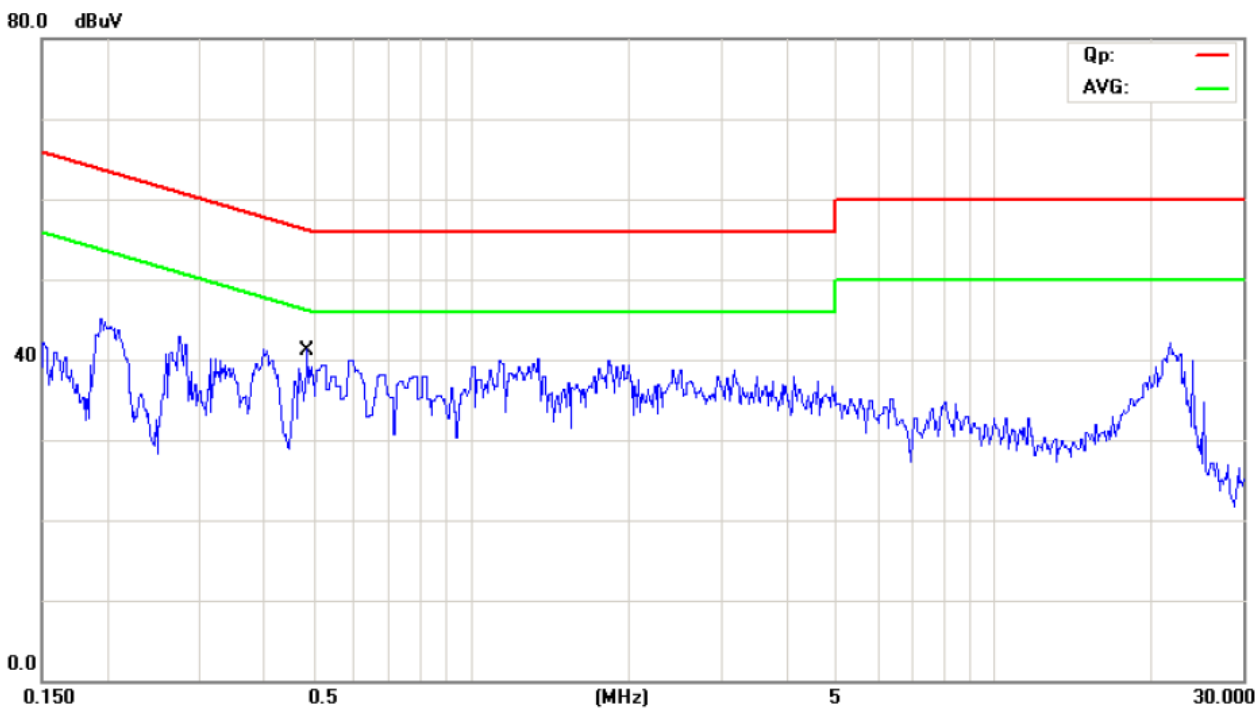
Temperature: 26°C      Humidity: 65%RH      Atmospheric Pressure: 101 KPa

**EUT set Condition: Charging and Keep WIFI transmitting**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



| No. | Mk. | Freq.  | Reading Level | Correct Factor | Measure-ment | Limit | Over   | Detector | Comment |
|-----|-----|--------|---------------|----------------|--------------|-------|--------|----------|---------|
|     |     | MHz    | dBuV          | dB             | dBuV         | dBuV  | dB     |          |         |
| 1   | *   | 0.4850 | 22.60         | 11.35          | 33.95        | 56.25 | -22.30 | QP       |         |
| 2   |     | 0.4850 | 1.10          | 11.35          | 12.45        | 46.25 | -33.80 | AVG      |         |

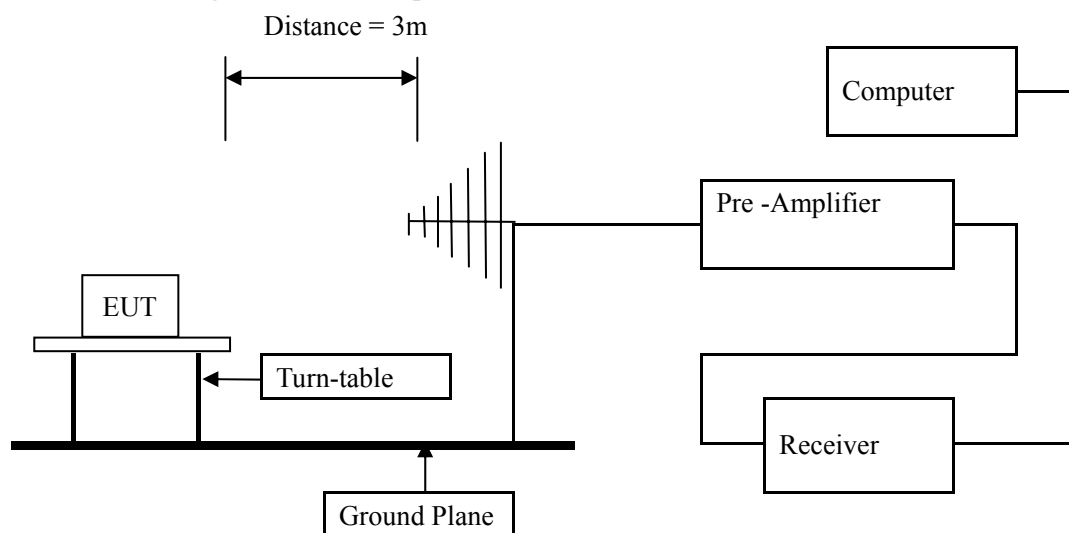
The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

## 6 Radiated Emission Test

### 6.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.4 –2003. The radiated test was performed at Timeway Laboratory. This site is on file with the FCC laboratory division, Registration No.899988
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.4-2003.
- (3) The frequency spectrum from 30 MHz to 25 GHz was investigated. All readings from 30 MHz to 1 GHz are Quasi-peak values with a resolution bandwidth of 120 kHz. For measurement above 1GHz, peak values with RBW=VBW=1MHz and PK detector. AV value with RBW=1MHz, VBW=10Hz and PK detector. Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance is with all installation combinations. All data was recorded in the peak detection mode. Quasi-peak readings was performed only when an emission was found to be marginal (within -4 dB of specification limit), and are distinguished with a "QP" in the data table.
- (6) The antenna polarization : Vertical polarization and Horizontal polarization.

#### Block diagram of Test setup



### 6.2 Configuration of The EUT

Same as section 5.3 of this report

### 6.3 EUT Operating Condition

Same as section 5.4 of this report.

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



#### 6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

**Frequencies in restricted band are complied to limit on Paragraph 15.209**

| Frequency Range (MHz) | Distance (m) | Field strength (dB $\mu$ V/m) |
|-----------------------|--------------|-------------------------------|
| 30-88                 | 3            | 40.0                          |
| 88-216                | 3            | 43.5                          |
| 216-960               | 3            | 46.0                          |
| Above 960             | 3            | 54.0                          |

- Note:
1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
  2. In the Above Table, the higher limit applies at the band edges.
  3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
  4. This is a handheld device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



**Test result**

**General Radiated Emission Data and Harmonics Radiated Emission Data**

**Radiated Emission In Horizontal (30MHz---1000MHz)**

**EUT set Condition: Charging and Keep WIFI transmitting**

**Results: Pass**

| Frequency (MHz) | Level@3m (dB $\mu$ V/m) | Antenna Polarity | Limit@3m (dB $\mu$ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 768.04          | 39.10                   | H                | 46.00                   |
| 816.00          | 42.47                   | H                | 46.00                   |
|                 |                         |                  |                         |
| 33.08           | 33.48                   | V                | 40.00                   |
| 122.32          | 29.34                   | V                | 43.50                   |

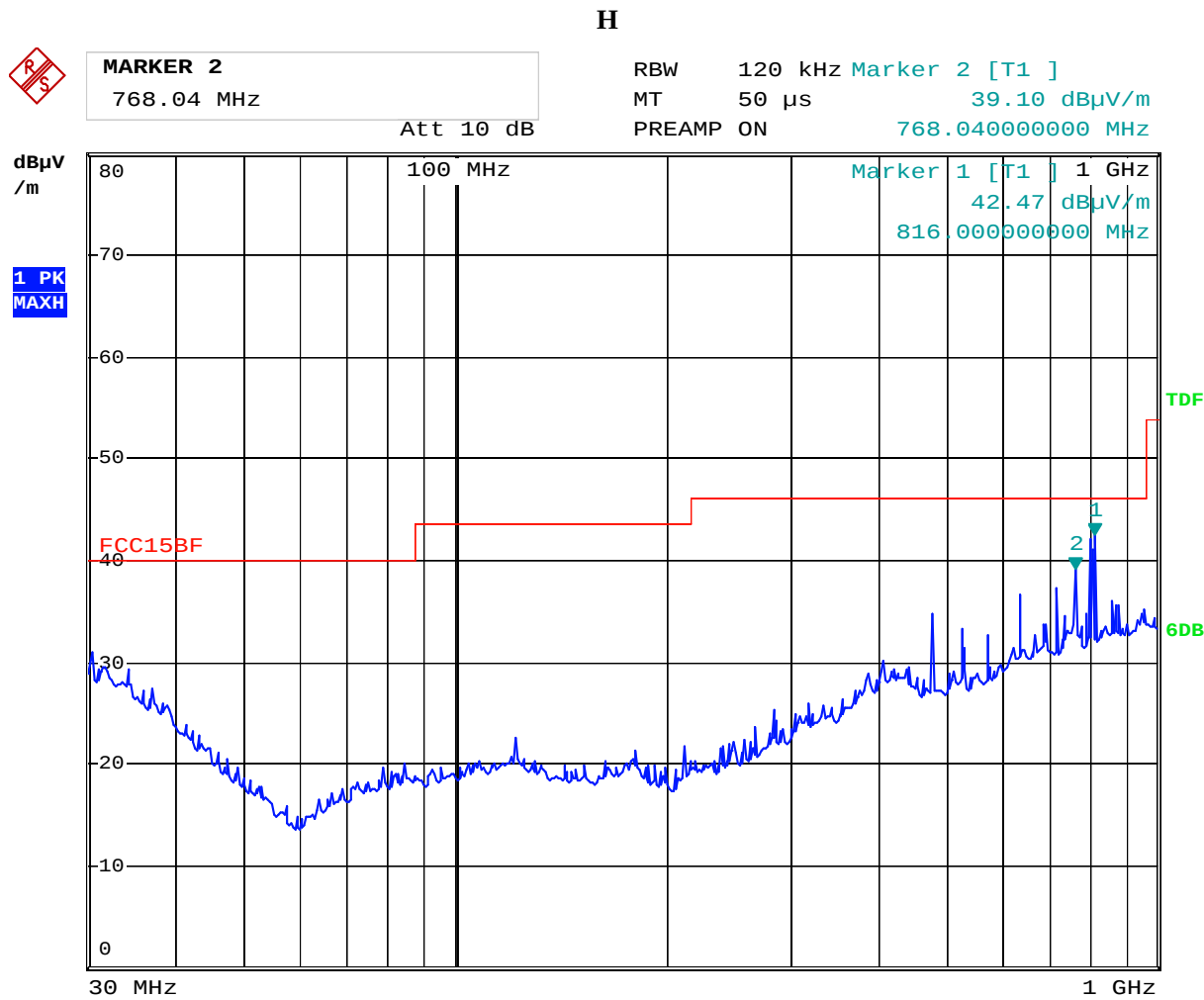
The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Test Figure:

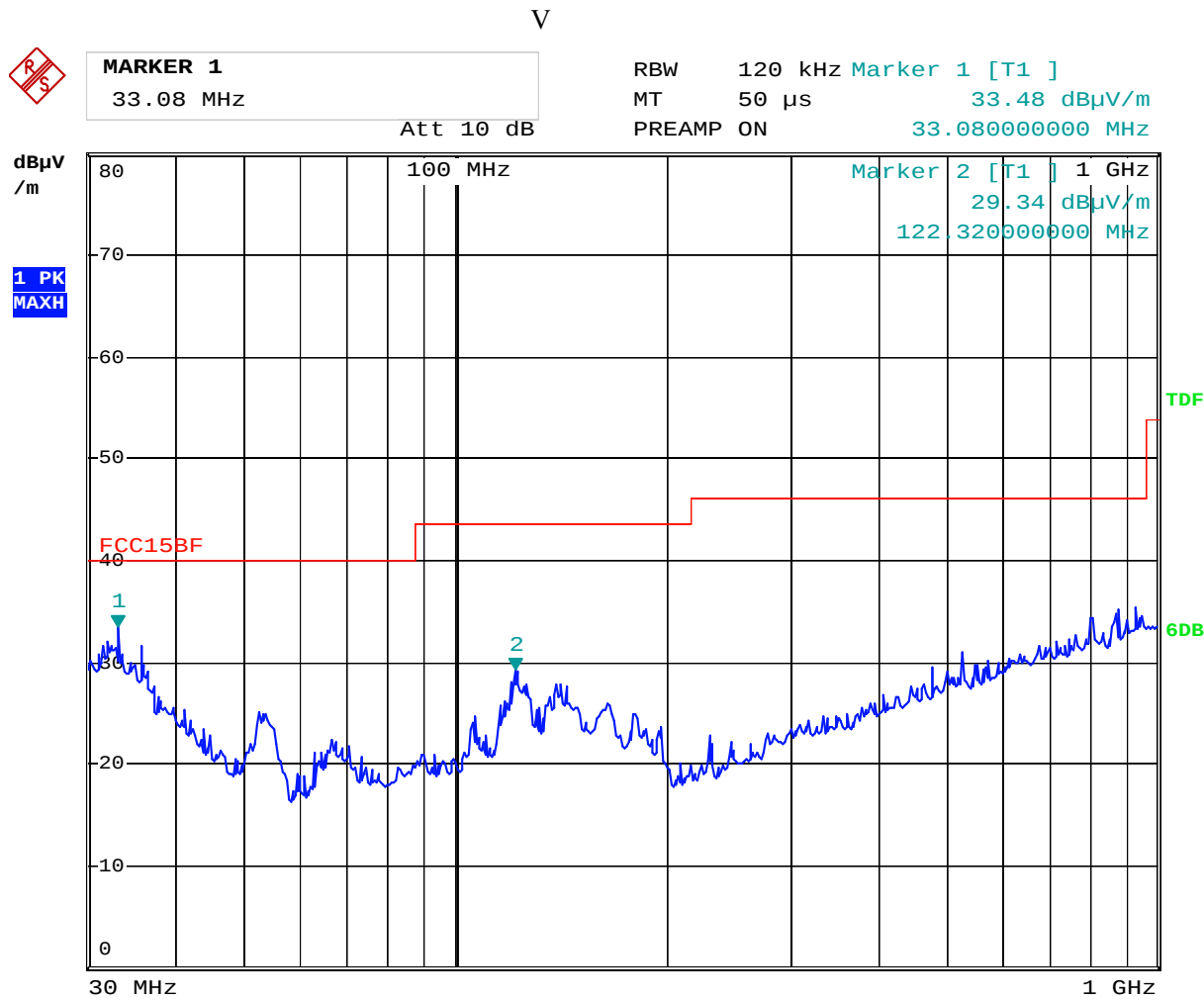


Date: 6.JUN.2014 11:13:59

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Test Figure:



Date: 6.JUN.2014 11:17:03

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertizing. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the Shenzhen Timeway Technology Consulting co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



**Operation Mode: Transmitting under CH01 for 11g at 54Mbps**

| Frequency (MHz) | Level@3m (dB $\mu$ V/m) | Antenna Polarity | Limit@3m (dB $\mu$ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 2412.00         | 92.89 (PK)              | H                | Fundamental Frequency   |
| 2412.00         | 93.69 (PK)              | V                |                         |
| 4824.00         | 47.78 (PK)              | H                | 74(Peak)/ 54(AV)        |
| 4824.00         | 48.82 (PK)              | V                | 74(Peak)/ 54(AV)        |
| 7236.00         | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 9648.00         | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 12060           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 14472           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 16884           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 19296           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 21708           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 24120           | --                      | H/V              | 74(Peak)/ 54(AV)        |

- Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit  
 2. Remark "---" means that the emissions level is too low to be measured  
 3. For 802.11g mode 54Mbps



**Operation Mode: Transmitting under CH06 for 11g at 54Mbps**

| Frequency (MHz) | Level@3m (dB $\mu$ V/m) | Antenna Polarity | Limit@3m (dB $\mu$ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 2437.00         | 95.47 (PK)              | H                | Fundamental Frequency   |
| 2437.00         | 95.44 (PK)              | V                |                         |
| 4874.00         | 47.97 (PK)              | H                | 74(Peak)/ 54(AV)        |
| 4874.00         | 48.32 (PK)              | V                | 74(Peak)/ 54(AV)        |
| 7311.00         | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 9748.00         | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 12185           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 14622           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 17059           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 19496           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 21933           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 24370           | --                      | H/V              | 74(Peak)/ 54(AV)        |

- Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit  
2. Remark "---" means that the emissions level is too low to be measured  
3. For 802.11g mode 54 Mbps

**Operation Mode: Transmitting under CH11 for 11g at 54Mbps**

| Frequency (MHz) | Level@3m (dB $\mu$ V/m) | Antenna Polarity | Limit@3m (dB $\mu$ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 2462.00         | 94.34 (PK)              | H                | Fundamental Frequency   |
| 2462.00         | 94.25 (PK)              | V                |                         |
| 4924            | 48.58 (PK)              | H                | 74(Peak)/ 54(AV)        |
| 4924            | 48.14 (PK)              | V                | 74(Peak)/ 54(AV)        |
| 7368            | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 9848            | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 12310           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 14772           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 17234           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 19696           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 22158           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 24650           | --                      | H/V              | 74(Peak)/ 54(AV)        |

- Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit  
2. Remark "---" means that the emissions level is too low to be measured  
3. For 802.11g mode at 54 Mbps

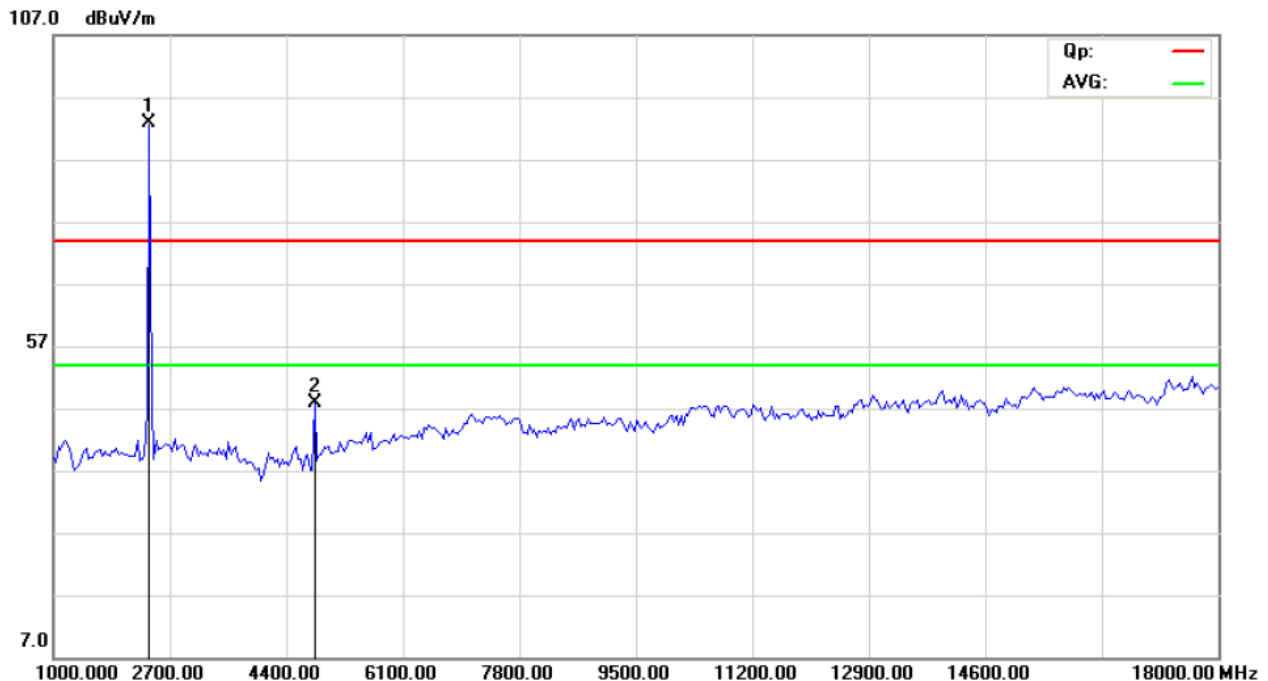
The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

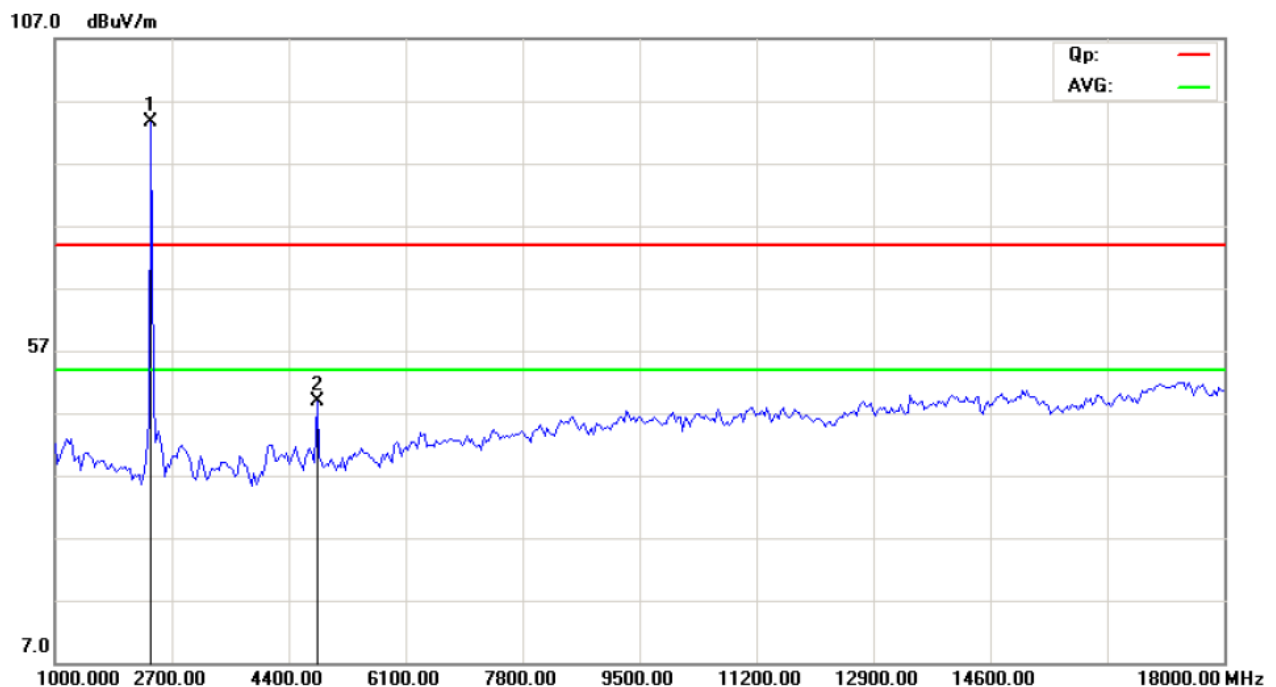
In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Please refer to the following test plots for details:

**CH01 for 11g at 54Mbps: Horizontal**



**CH01 for 11g at 54Mbps: Vertical**

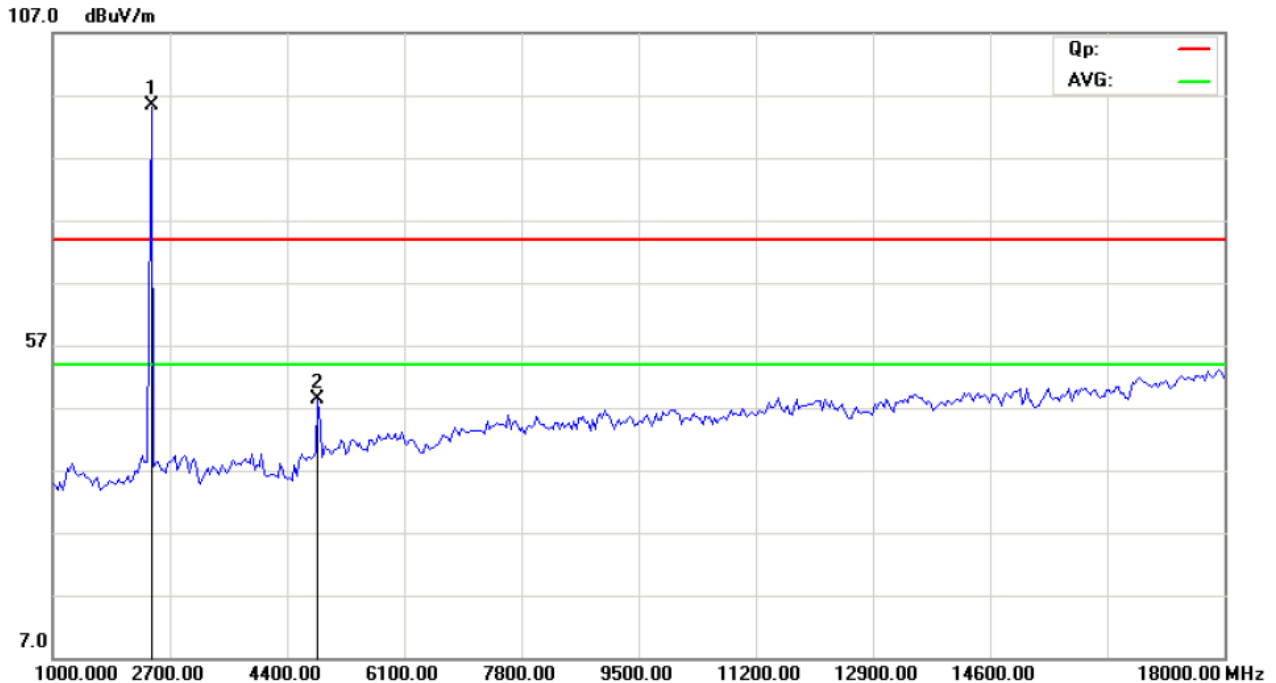


The report refers only to the sample tested and does not apply to the bulk.

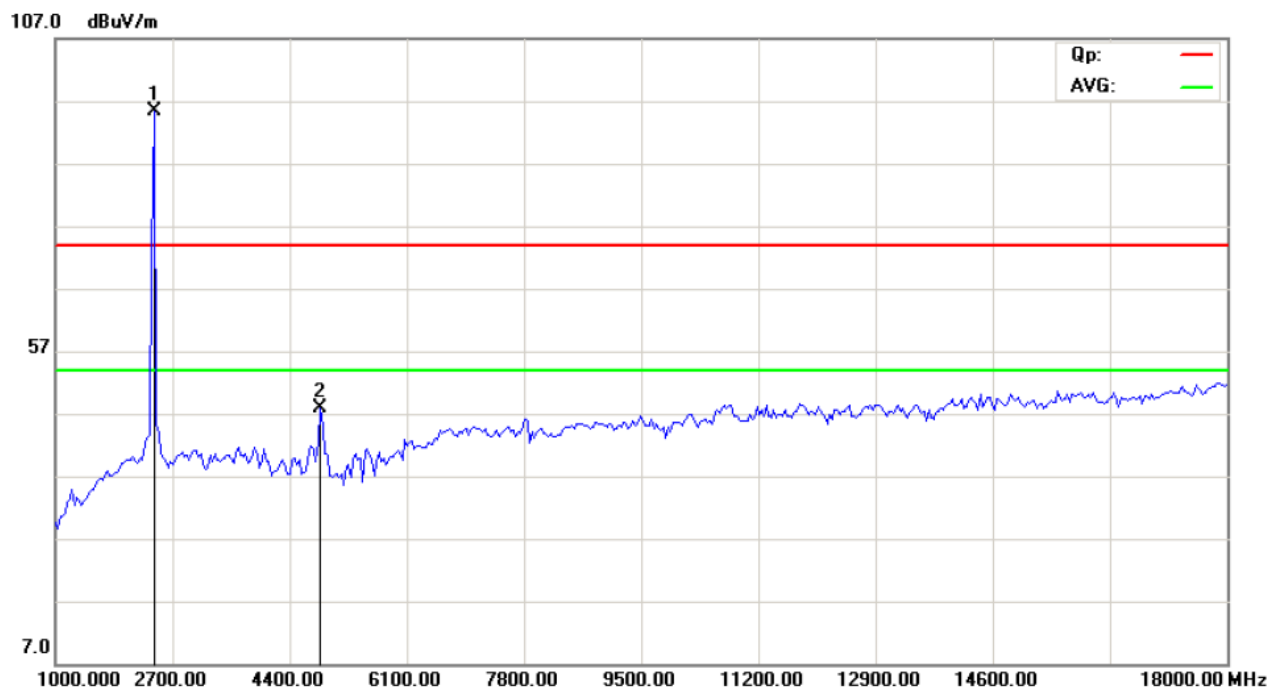
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

### CH06 for 11g at 54Mbps: Vertical



### CH06 for 11g at 54Mbps: Horizontal

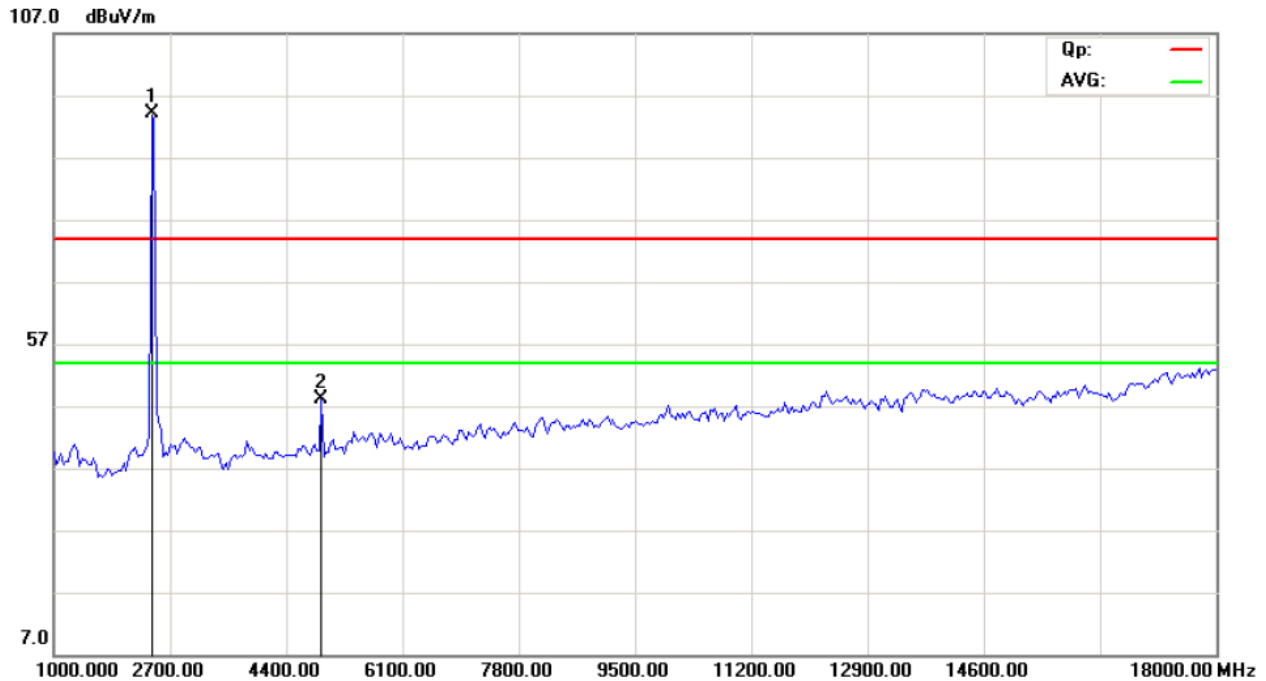


The report refers only to the sample tested and does not apply to the bulk.

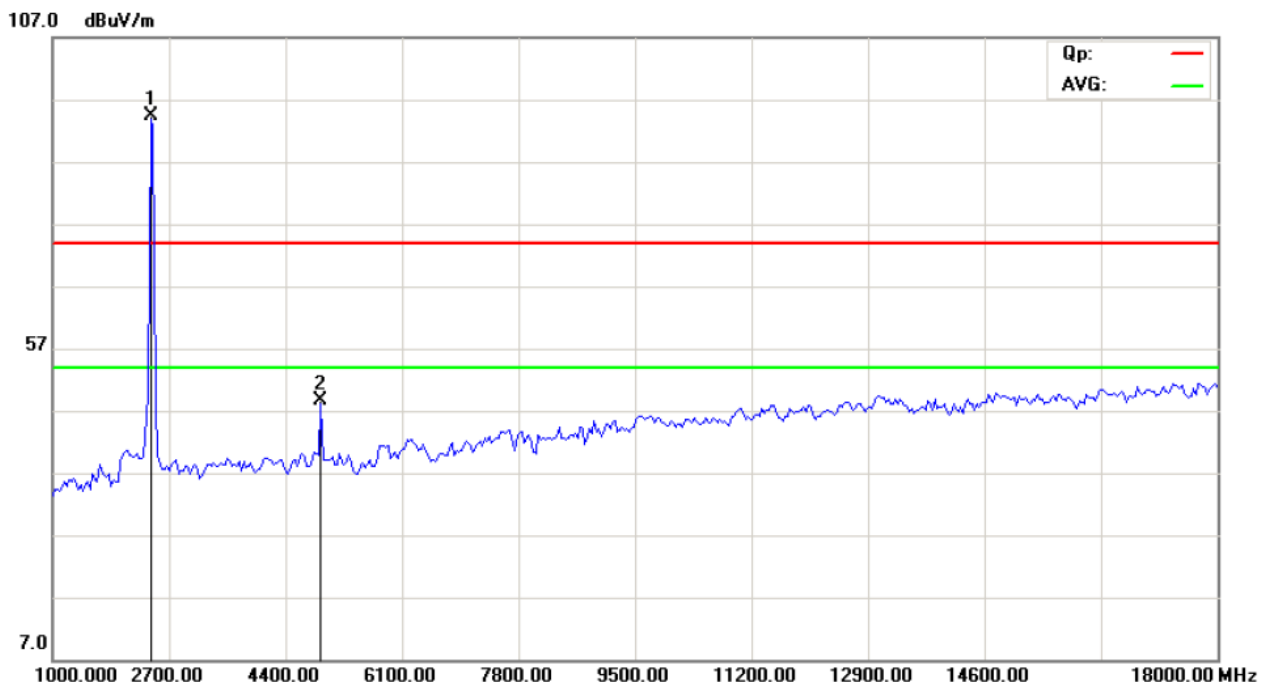
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

### CH11 for 11g at 54Mbps: Vertical



### CH11 for 11g at 54Mbps: Horizontal



Note: For radiated Emissions from 18-25GHz, it is only the floor noise.

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



**Operation Mode: Transmitting under CH01 for 11b at 11Mbps**

| Frequency (MHz) | Level@3m (dB $\mu$ V/m) | Antenna Polarity | Limit@3m (dB $\mu$ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 2412.00         | 94.76 (PK)              | V                | Fundamental Frequency   |
| 2412.00         | 94.26 (PK)              | H                |                         |
| 4824.00         | 48.32 (PK)              | H                | 74(Peak)/ 54(AV)        |
| 4824.00         | 47.09 (PK)              | V                | 74(Peak)/ 54(AV)        |
| 7236.00         | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 9648.00         | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 12060           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 14472           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 16684           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 19296           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 21708           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 24120           | --                      | H/V              | 74(Peak)/ 54(AV)        |

- Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit  
2. Remark "---" means that the emissions level is too low to be measured  
3. For 802.11b mode 11Mbps

**Operation Mode: Transmitting under CH06 for 11b at 11Mbps**

| Frequency (MHz) | Level@3m (dB $\mu$ V/m) | Antenna Polarity | Limit@3m (dB $\mu$ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 2437.00         | 93.63 (PK)              | H                | Fundamental Frequency   |
| 2437.00         | 93.15 (PK)              | V                |                         |
| 4874.00         | 47.51 (PK)              | H                | 74(Peak)/ 54(AV)        |
| 4874.00         | 49.58 (PK)              | V                | 74(Peak)/ 54(AV)        |
| 7311.00         | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 9748.00         | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 12185           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 14622           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 17059           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 19496           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 21933           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 24370           | --                      | H/V              | 74(Peak)/ 54(AV)        |

- Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit  
2. Remark "---" means that the emissions level is too low to be measured  
3. For 802.11b mode 11Mbps

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, the Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



**Operation Mode: Transmitting under CH11 for 11b at 11Mbps**

| Frequency (MHz) | Level@3m (dB $\mu$ V/m) | Antenna Polarity | Limit@3m (dB $\mu$ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 2462.00         | 95.38 (PK)              | H                | Fundamental Frequency   |
| 2462.00         | 95.46 (PK)              | V                |                         |
| 4924            | 47.79 (PK)              | H                | 74(Peak)/ 54(AV)        |
| 4924            | 49.13 (PK)              | V                | 74(Peak)/ 54(AV)        |
| 7368            | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 9848            | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 12310           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 14772           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 17234           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 19696           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 22158           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 24650           | --                      | H/V              | 74(Peak)/ 54(AV)        |

- Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit  
 2. Remark "---" means that the emissions level is too low to be measured  
 3. For 802.11b mode at 11Mbps

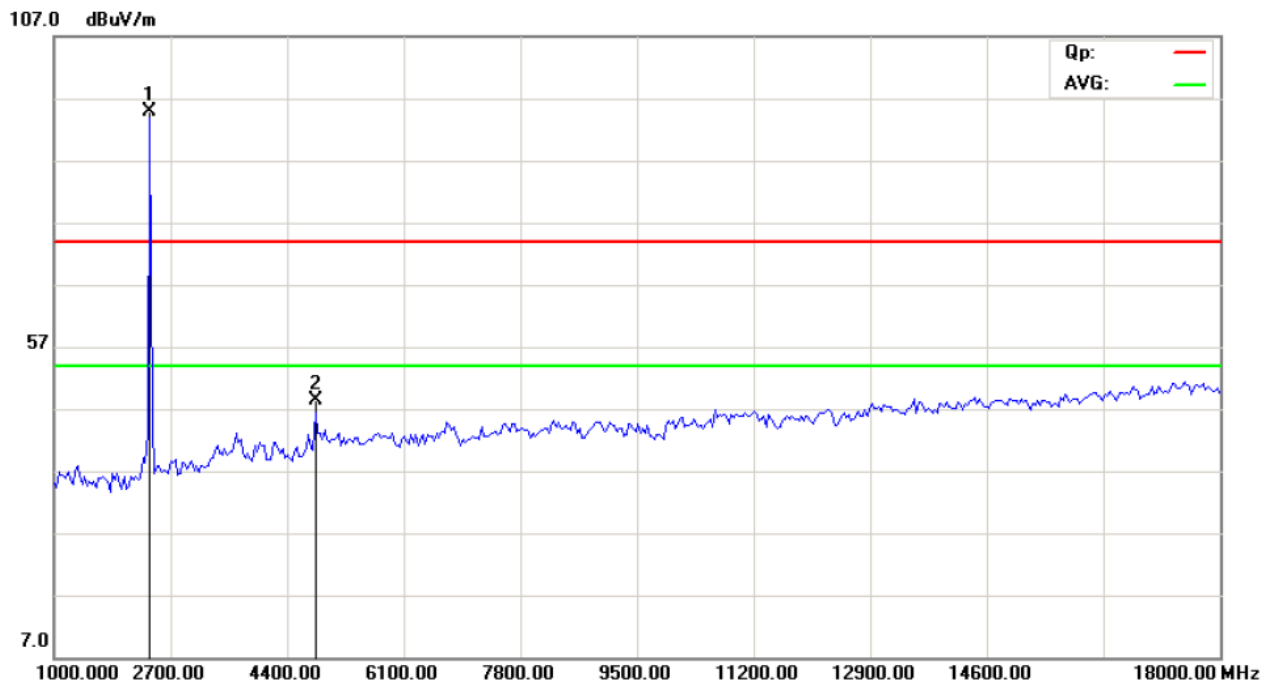
The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

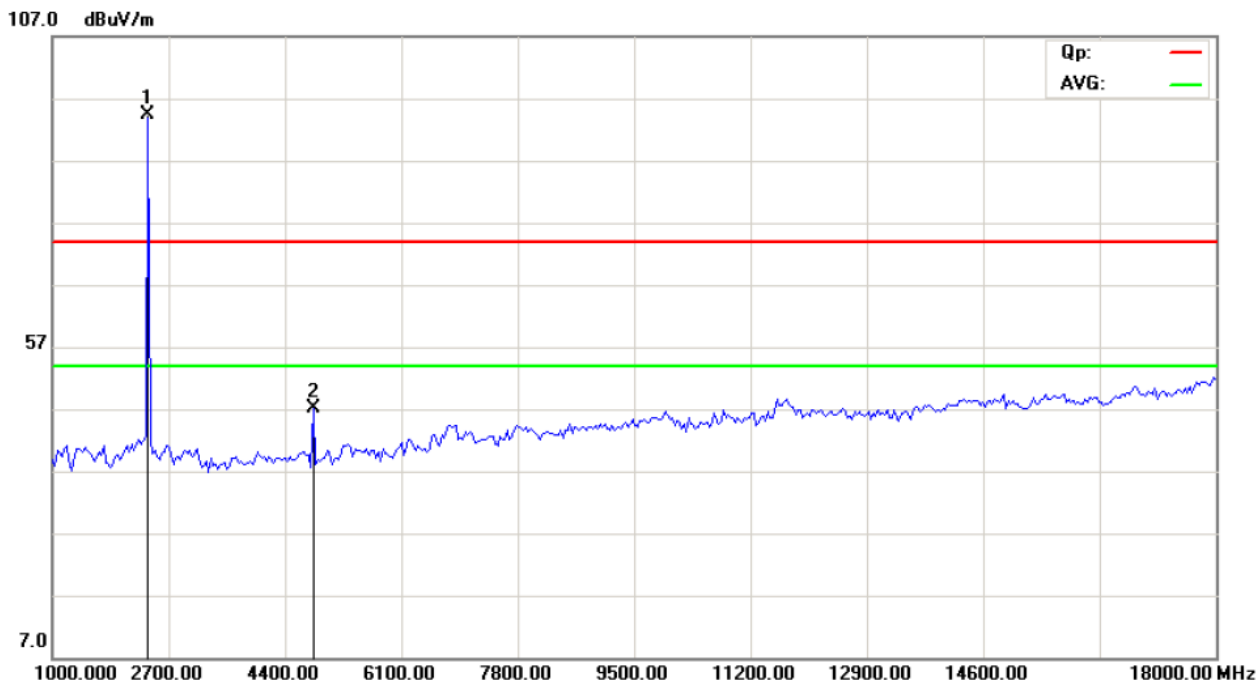
In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Please refer to the following test plots for details:

**CH01 for 11b at 11Mbps: Horizontal**



**CH01 for 11b at 11Mbps: Vertical**

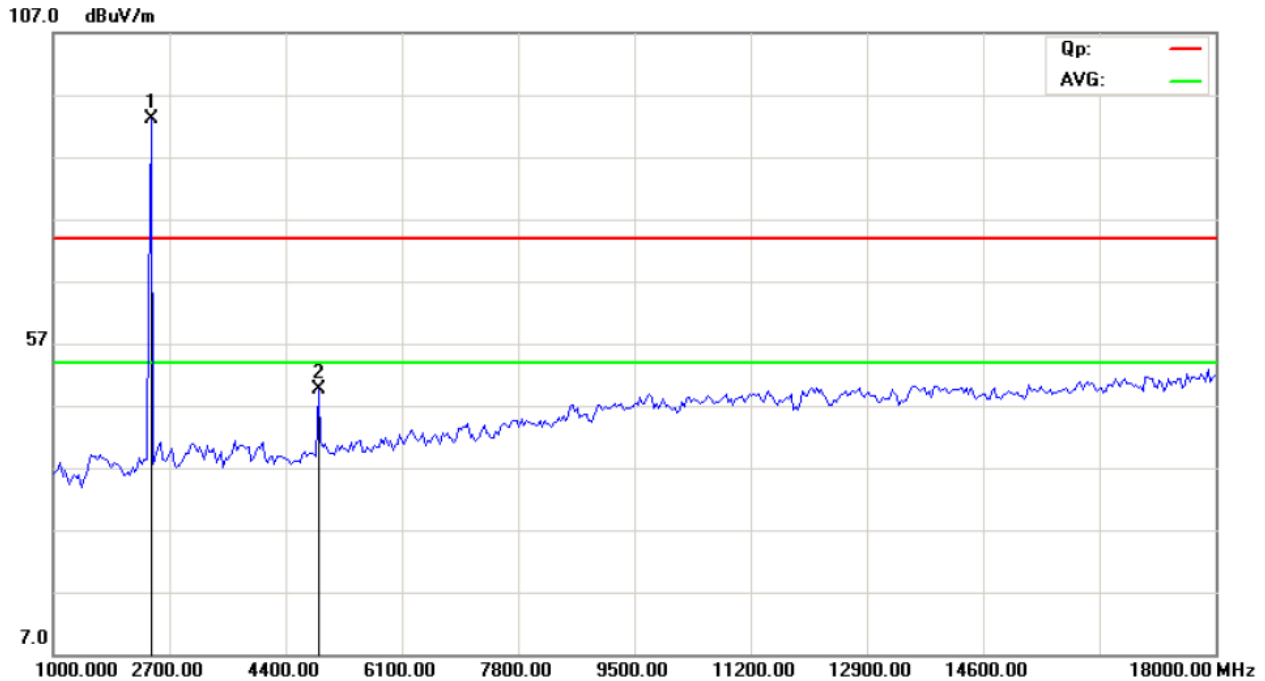


The report refers only to the sample tested and does not apply to the bulk.

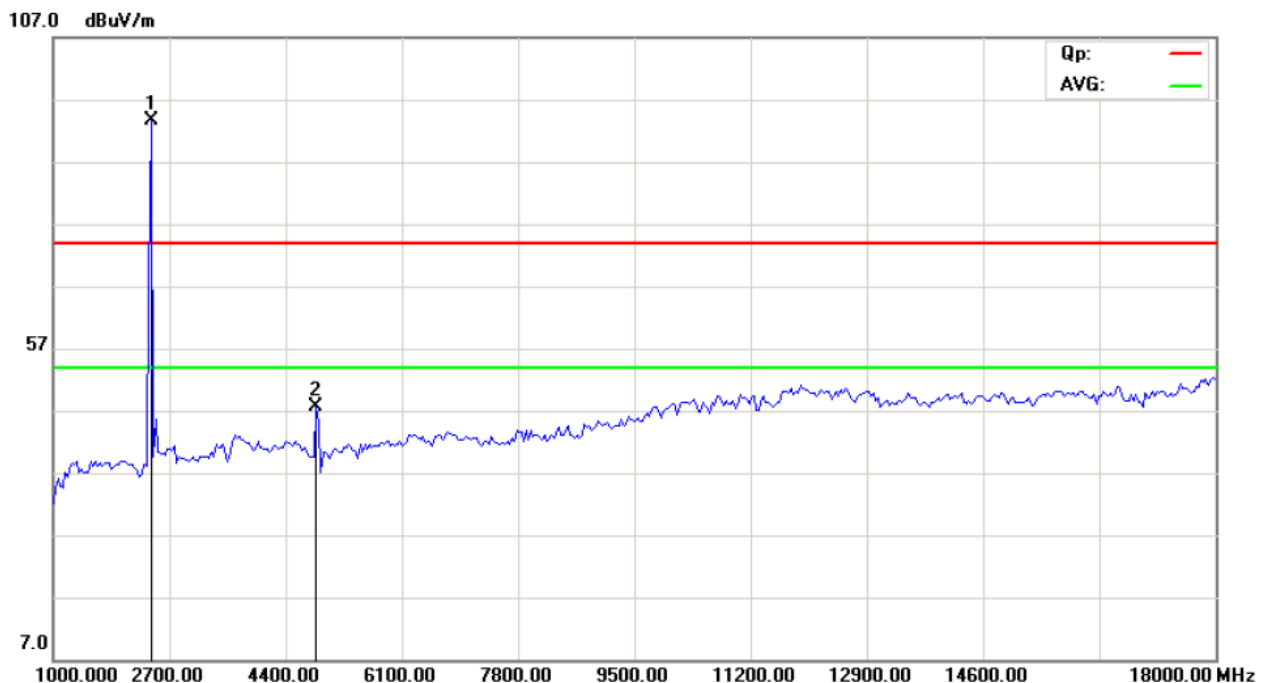
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

### CH06 for 11b at 11Mbps: Vertical



### CH06 for 11b at 11Mbps: Horizontal

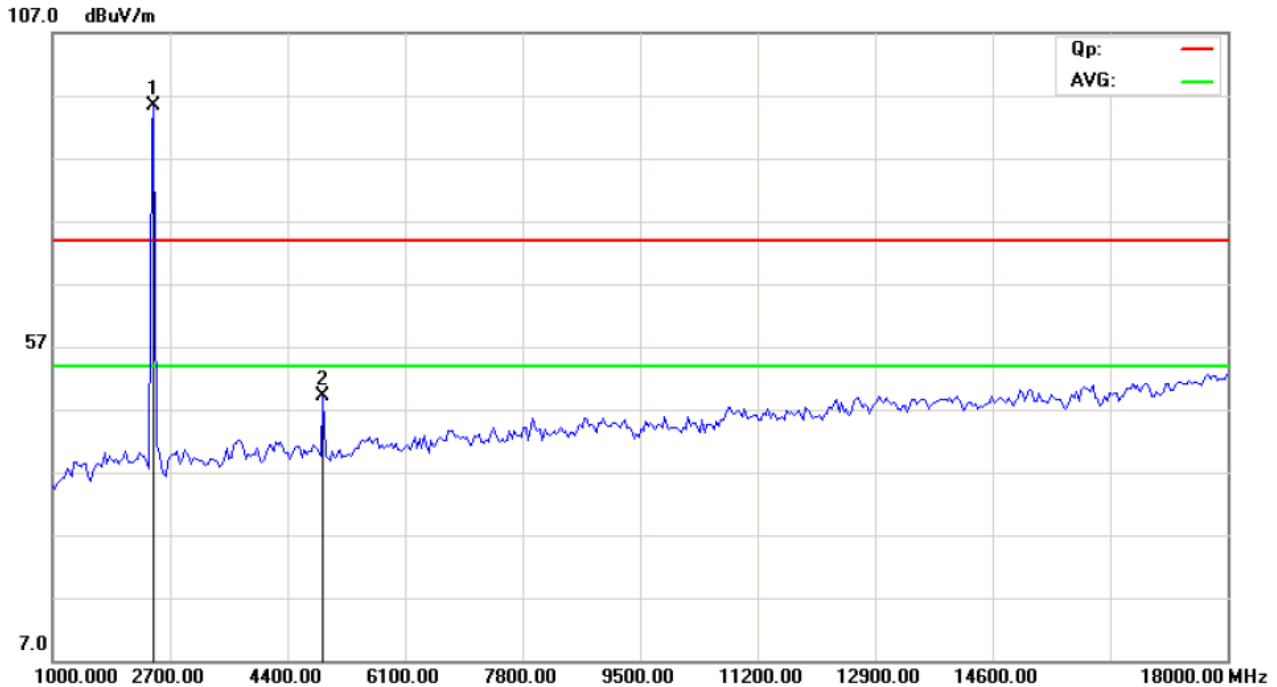


The report refers only to the sample tested and does not apply to the bulk.

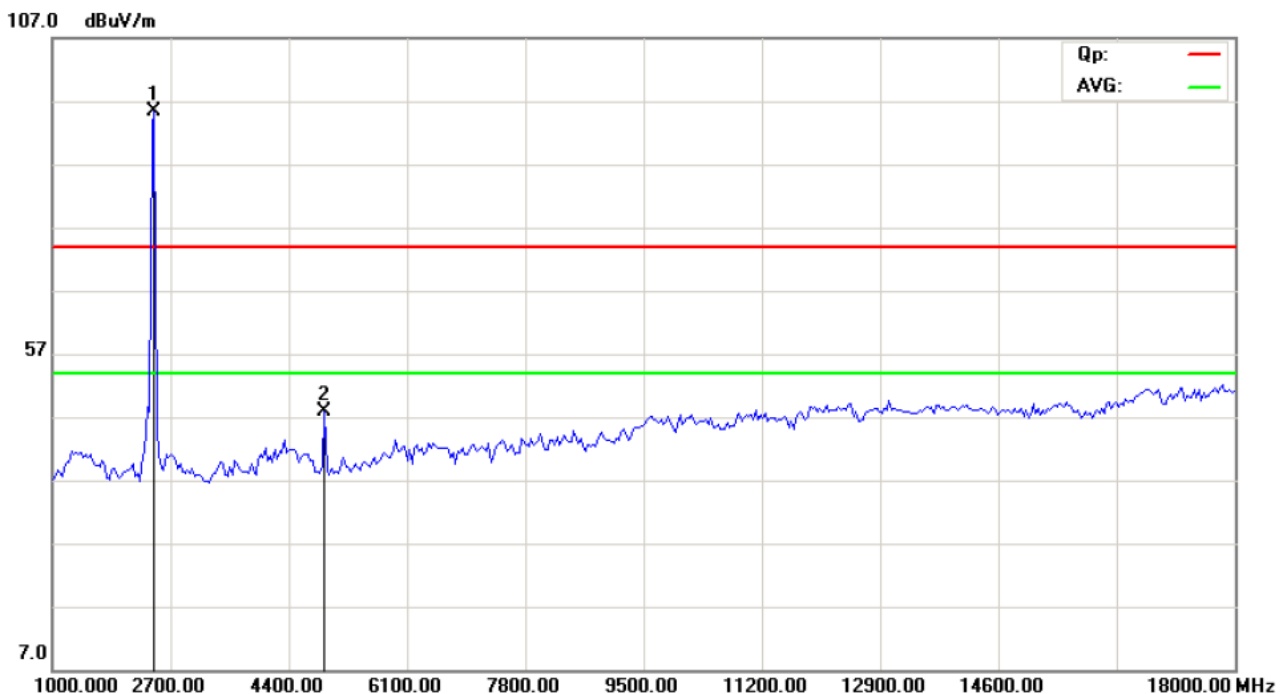
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer, supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

### CH11 for 11b at 11Mbps: Vertical



### CH11 for 11b at 11Mbps: Horizontal



Note: For radiated Emissions from 18-25GHz, it is only the floor noise.

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



**Operation Mode: Transmitting under CH01 for 11n HT20 at 65Mbps**

| Frequency (MHz) | Level@3m (dB $\mu$ V/m) | Antenna Polarity | Limit@3m (dB $\mu$ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 2412.00         | 95.36 (PK)              | H                | Fundamental Frequency   |
| 2412.00         | 95.42 (PK)              | V                |                         |
| 4824.00         | 47.35 (PK)              | H                | 74(Peak)/ 54(AV)        |
| 4824.00         | 47.09 (PK)              | V                | 74(Peak)/ 54(AV)        |
| 7236.00         | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 9648.00         | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 12060           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 14472           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 16684           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 19296           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 21708           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 24120           | --                      | H/V              | 74(Peak)/ 54(AV)        |

- Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit  
 2. Remark "---" means that the emissions level is too low to be measured  
 3. For 802.11n (HT20) mode 65Mbps

**Operation Mode: Transmitting under CH06 for 11n HT20 at 65Mbps**

| Frequency (MHz) | Level@3m (dB $\mu$ V/m) | Antenna Polarity | Limit@3m (dB $\mu$ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 2437.00         | 94.05 (PK)              | H                | Fundamental Frequency   |
| 2437.00         | 94.01 (PK)              | V                |                         |
| 4874.00         | 47.54 (PK)              | H                | 74(Peak)/ 54(AV)        |
| 4874.00         | 46.88 (PK)              | V                | 74(Peak)/ 54(AV)        |
| 7311.00         | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 9748.00         | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 12185           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 14622           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 17059           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 19496           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 21933           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 24370           | --                      | H/V              | 74(Peak)/ 54(AV)        |

- Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit  
 2. Remark "---" means that the emissions level is too low to be measured  
 3. For 802.11n (HT20) mode 65Mbps

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



**Operation Mode: Transmitting under CH11 for 11n HT20 at 65Mbps**

| Frequency (MHz) | Level@3m (dB $\mu$ V/m) | Antenna Polarity | Limit@3m (dB $\mu$ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 2462.00         | 93.62 (PK)              | H                | Fundamental Frequency   |
| 2462.00         | 92.81 (PK)              | V                |                         |
| 4924            | 48.19 (PK)              | H                | 74(Peak)/ 54(AV)        |
| 4924            | 48.14 (PK)              | V                | 74(Peak)/ 54(AV)        |
| 7368            | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 9848            | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 12310           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 14772           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 17234           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 19696           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 22158           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 24650           | --                      | H/V              | 74(Peak)/ 54(AV)        |

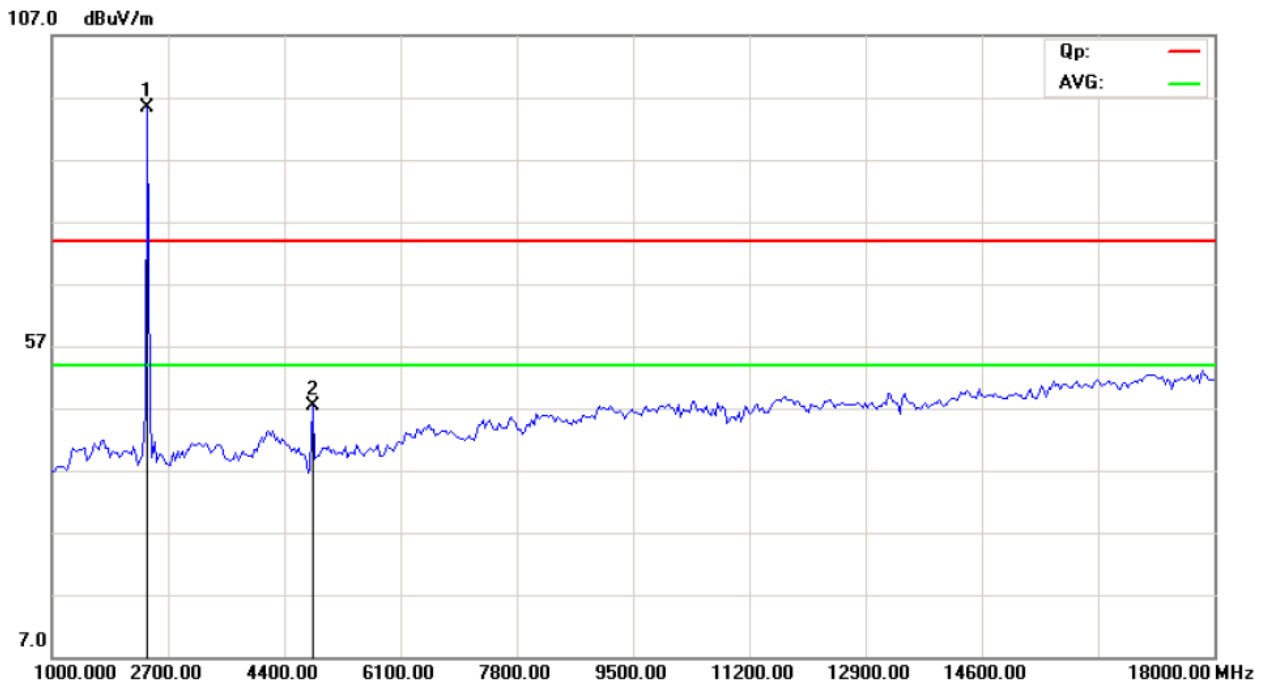
- Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit  
 2. Remark "---" means that the emissions level is too low to be measured  
 3. For 802.11n (HT20) mode 65Mbps

The report refers only to the sample tested and does not apply to the bulk.

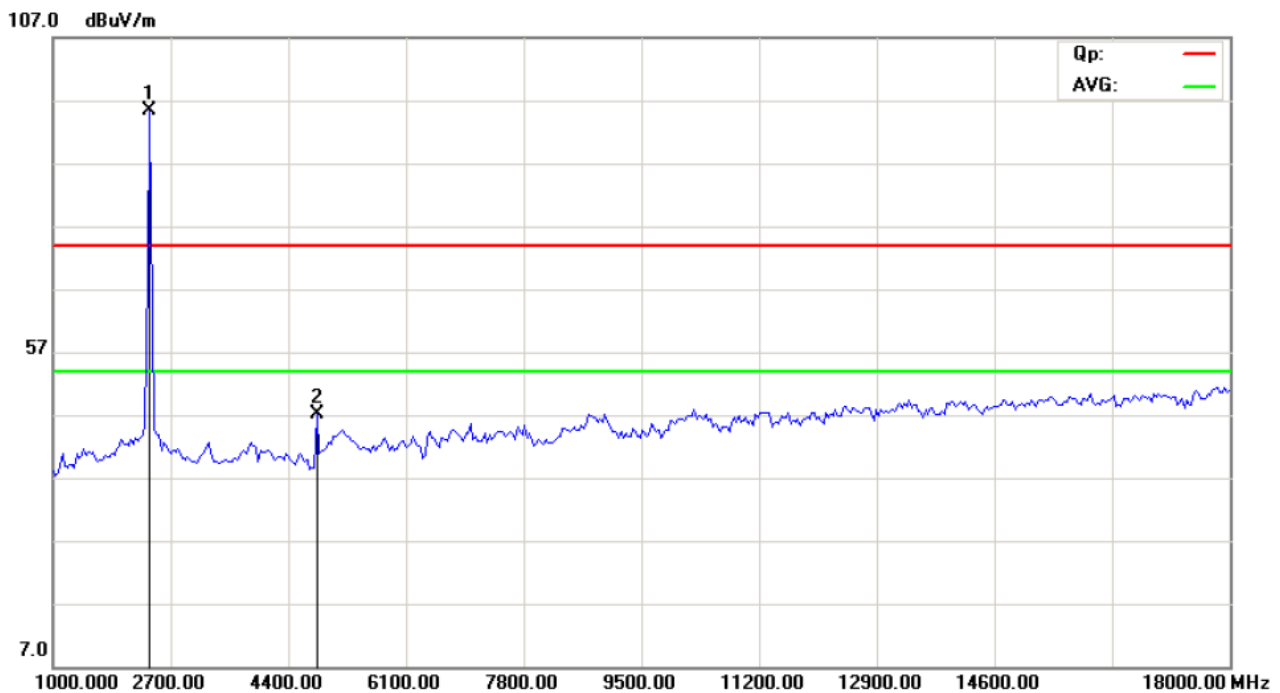
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Please refer to the following test plots for details:

**CH01 for 11n HT20 at 65Mbps: Horizontal**



**CH01 for 11n HT20 at 65Mbps: Vertical**

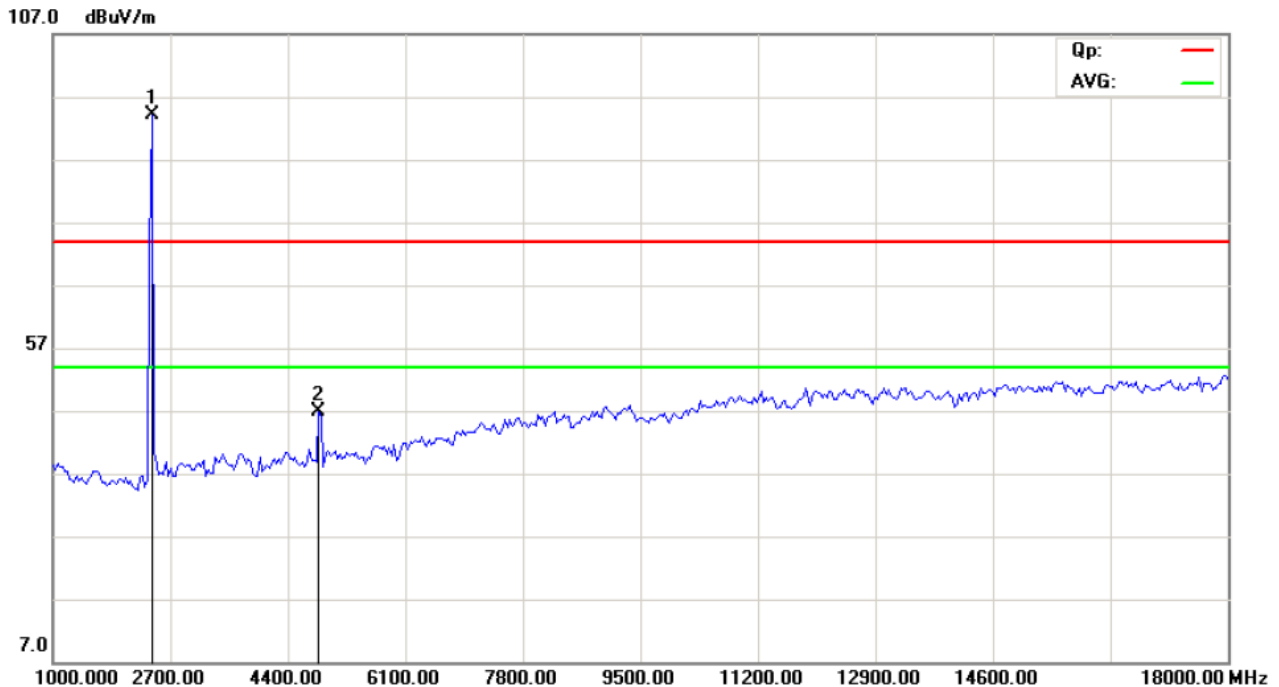


The report refers only to the sample tested and does not apply to the bulk.

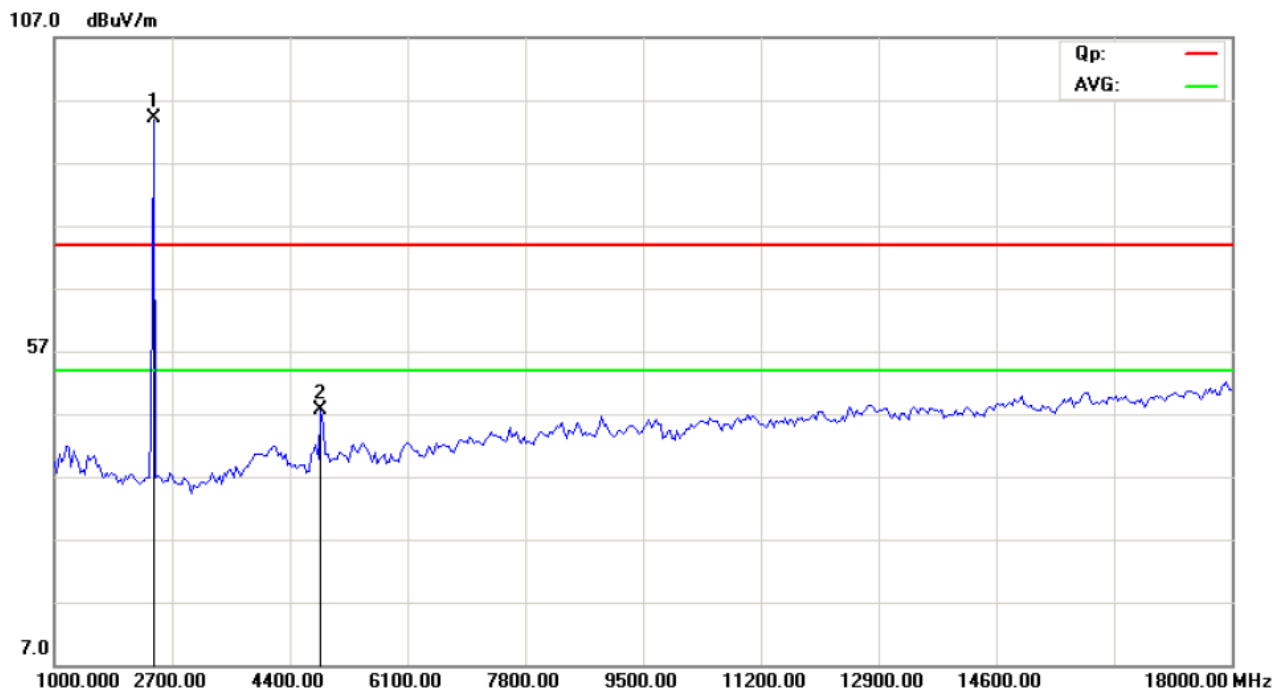
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

**CH06 for 11n HT20 at 65Mbps: Vertical**



**CH06 for 11n HT20 at 65Mbps: Horizontal**

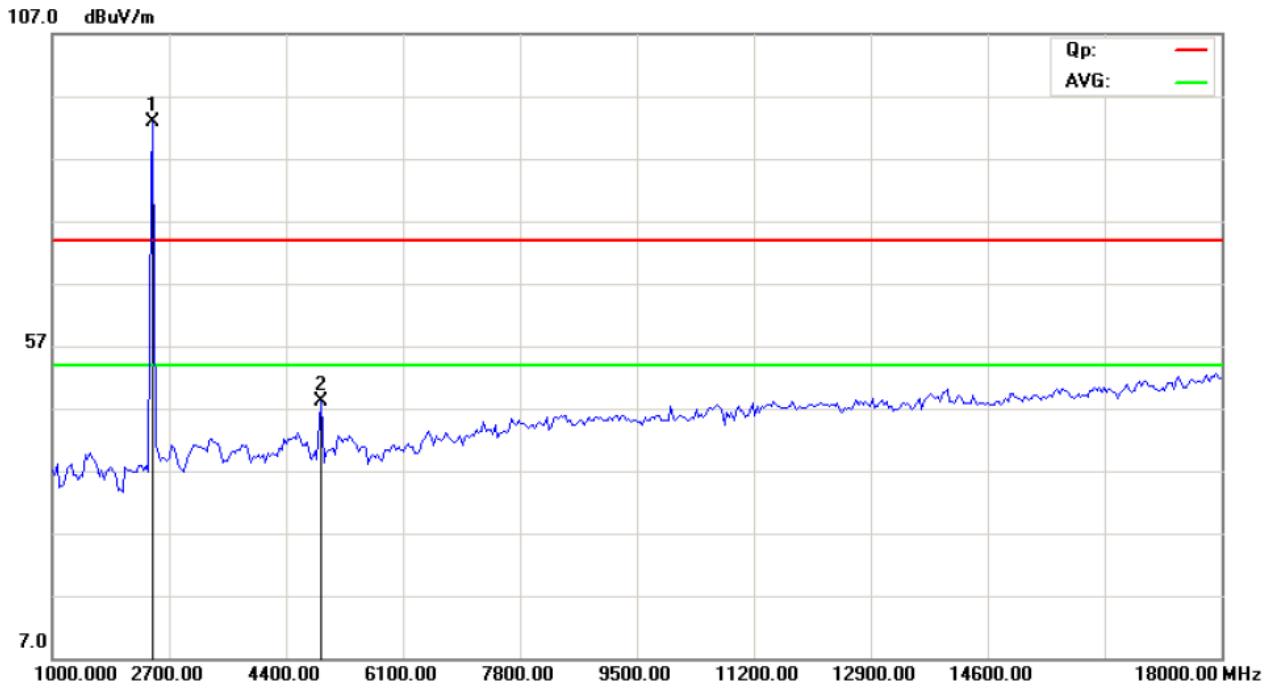


The report refers only to the sample tested and does not apply to the bulk.

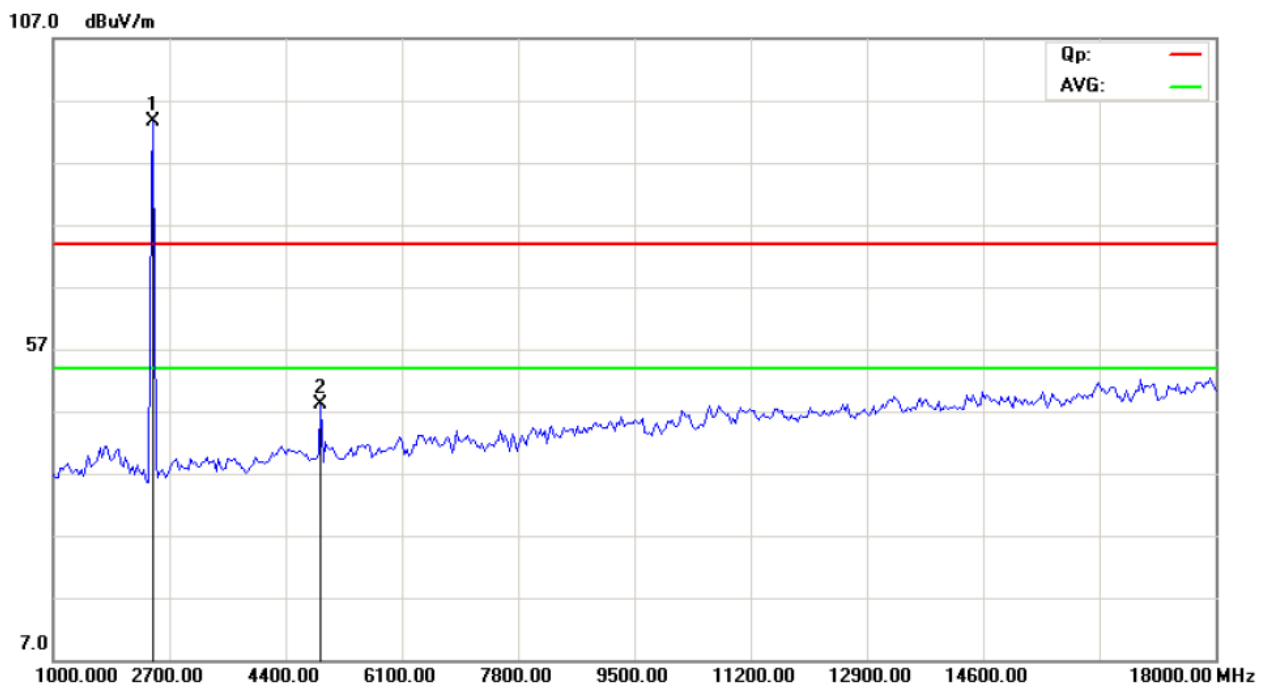
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

**CH11 for 11n HT20 at 65Mbps: Vertical**



**CH11 for 11n HT20 at 65Mbps: Horizontal**



Note: For radiated Emissions from 18-25GHz, it is only the floor noise.

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



**Operation Mode: Transmitting under CH01 for 11n HT40 at 65Mbps**

| Frequency (MHz) | Level@3m (dB $\mu$ V/m) | Antenna Polarity | Limit@3m (dB $\mu$ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 2422.00         | 90.51 (PK)              | V                | Fundamental Frequency   |
| 2422.00         | 90.44 (PK)              | H                |                         |
| 4844.00         | 48.01 (PK)              | V                | 74(Peak)/ 54(AV)        |
| 4844.00         | 47.77 (PK)              | H                | 74(Peak)/ 54(AV)        |
| 7266.00         | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 9688.00         | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 12110           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 14532           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 16954           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 19376           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 21798           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 24220           | --                      | H/V              | 74(Peak)/ 54(AV)        |

- Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit  
 2. Remark "---" means that the emissions level is too low to be measured  
 3. For 802.11n (HT40) mode 65Mbps

**Operation Mode: Transmitting under CH04 for 11n HT40 at 65Mbps**

| Frequency (MHz) | Level@3m (dB $\mu$ V/m) | Antenna Polarity | Limit@3m (dB $\mu$ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 2437.00         | 91.22 (PK)              | H                | Fundamental Frequency   |
| 2437.00         | 91.65 (PK)              | V                |                         |
| 4874.00         | 48.68 (PK)              | H                | 74(Peak)/ 54(AV)        |
| 4874.00         | 48.03 (PK)              | V                | 74(Peak)/ 54(AV)        |
| 7311.00         | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 9748.00         | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 12185           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 14622           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 17059           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 19496           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 21933           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 24370           | --                      | H/V              | 74(Peak)/ 54(AV)        |

- Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit  
 2. Remark "---" means that the emissions level is too low to be measured  
 3. For 802.11n (HT40) mode 65Mbps

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



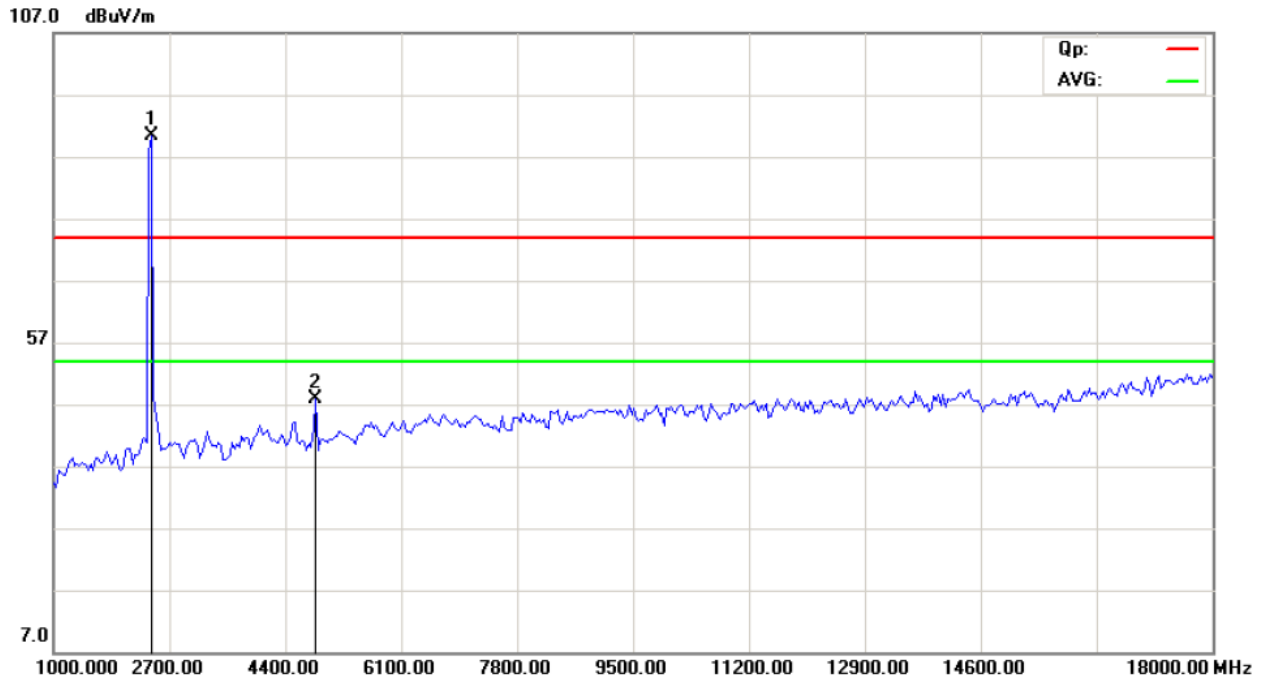
**Operation Mode: Transmitting under CH7 for 11n HT40 at 65Mbps**

| Frequency (MHz) | Level@3m (dB $\mu$ V/m) | Antenna Polarity | Limit@3m (dB $\mu$ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 2452.00         | 92.35 (PK)              | H                | Fundamental Frequency   |
| 2452.00         | 92.56 (PK)              | V                |                         |
| 4904            | 48.82 (PK)              | H                | 74(Peak)/ 54(AV)        |
| 4904            | 48.08 (PK)              | V                | 74(Peak)/ 54(AV)        |
| 7356            | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 9808            | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 12260           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 14712           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 17164           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 19616           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 22068           | --                      | H/V              | 74(Peak)/ 54(AV)        |
| 24520           | --                      | H/V              | 74(Peak)/ 54(AV)        |

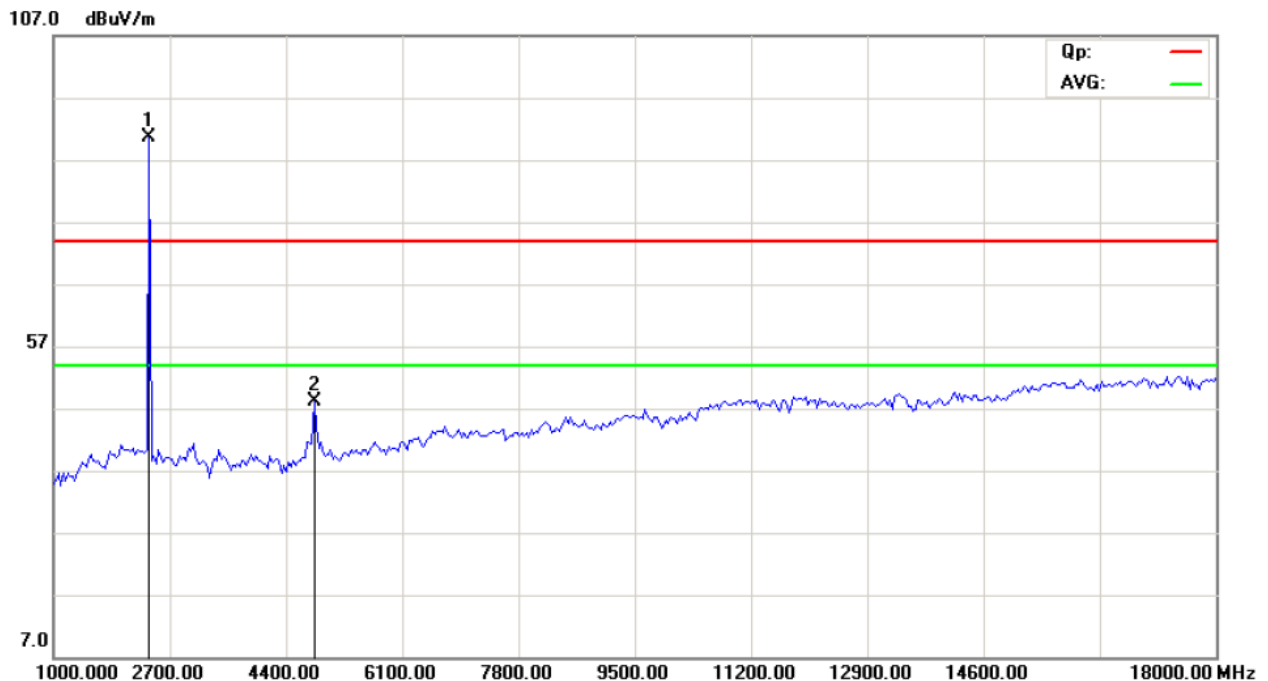
- Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit  
 2. Remark "---" means that the emissions level is too low to be measured  
 3. For 802.11n (HT40) mode 65Mbps

Please refer to the following test plots for details:

**CH01 for 11n HT40 at 65Mbps: Vertical**



**CH01 for 11n HT40 at 65Mbps: Horizontal**

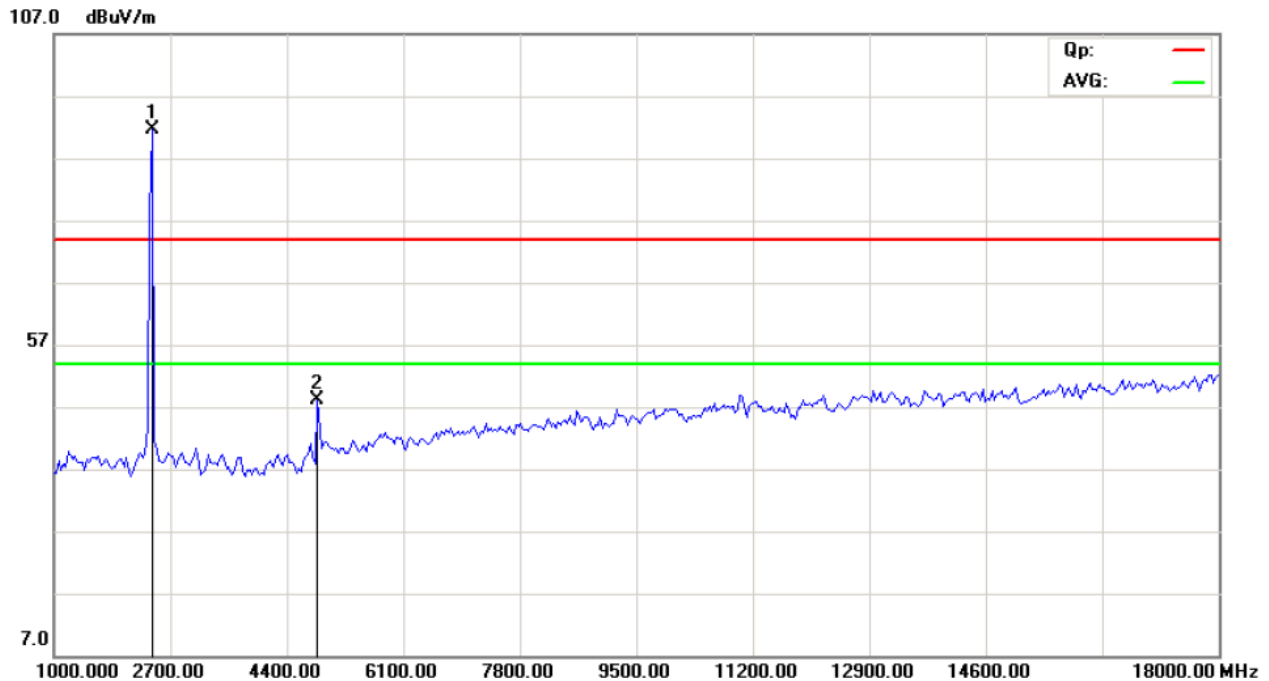


The report refers only to the sample tested and does not apply to the bulk.

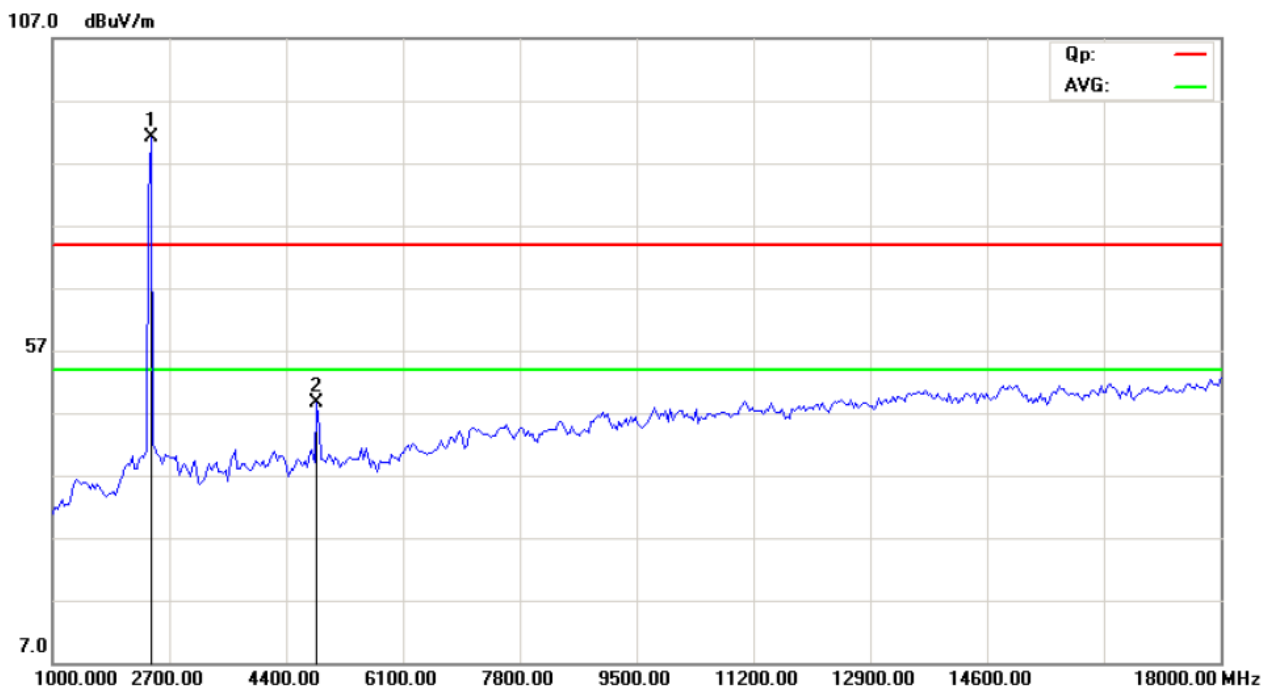
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

#### CH04 for 11n HT40 at 65Mbps: Vertical



#### CH04 for 11n HT40 at 65Mbps: Horizontal

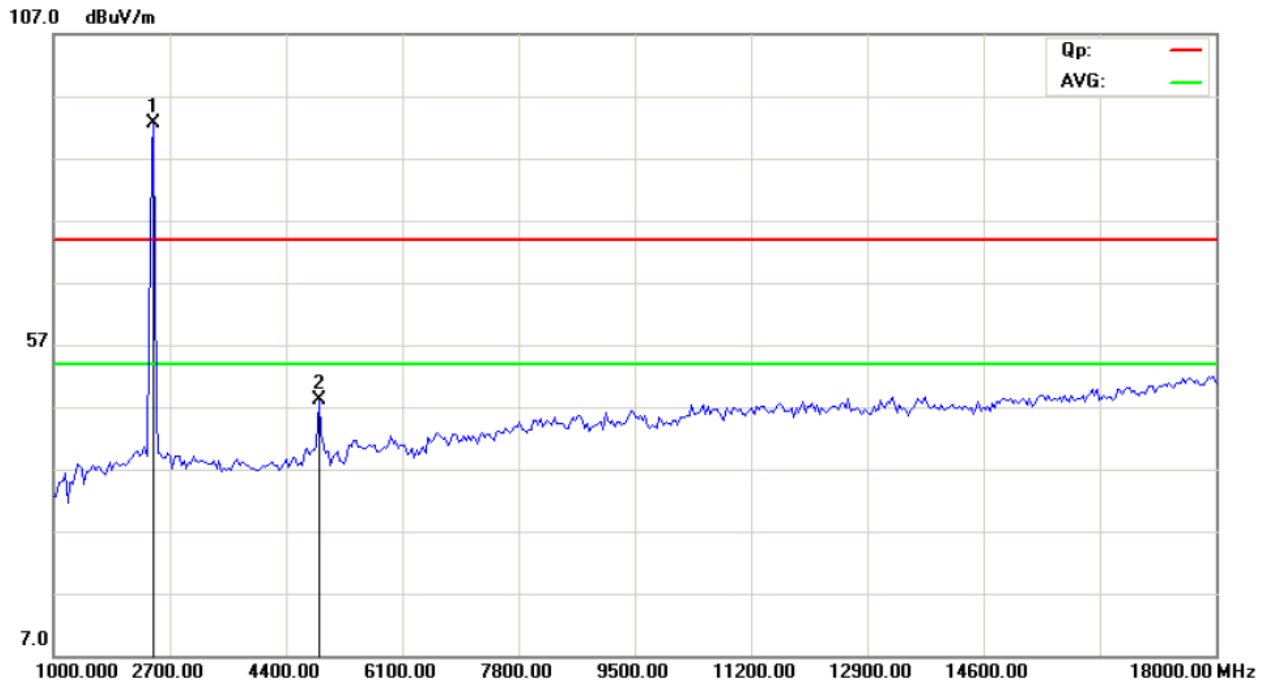


The report refers only to the sample tested and does not apply to the bulk.

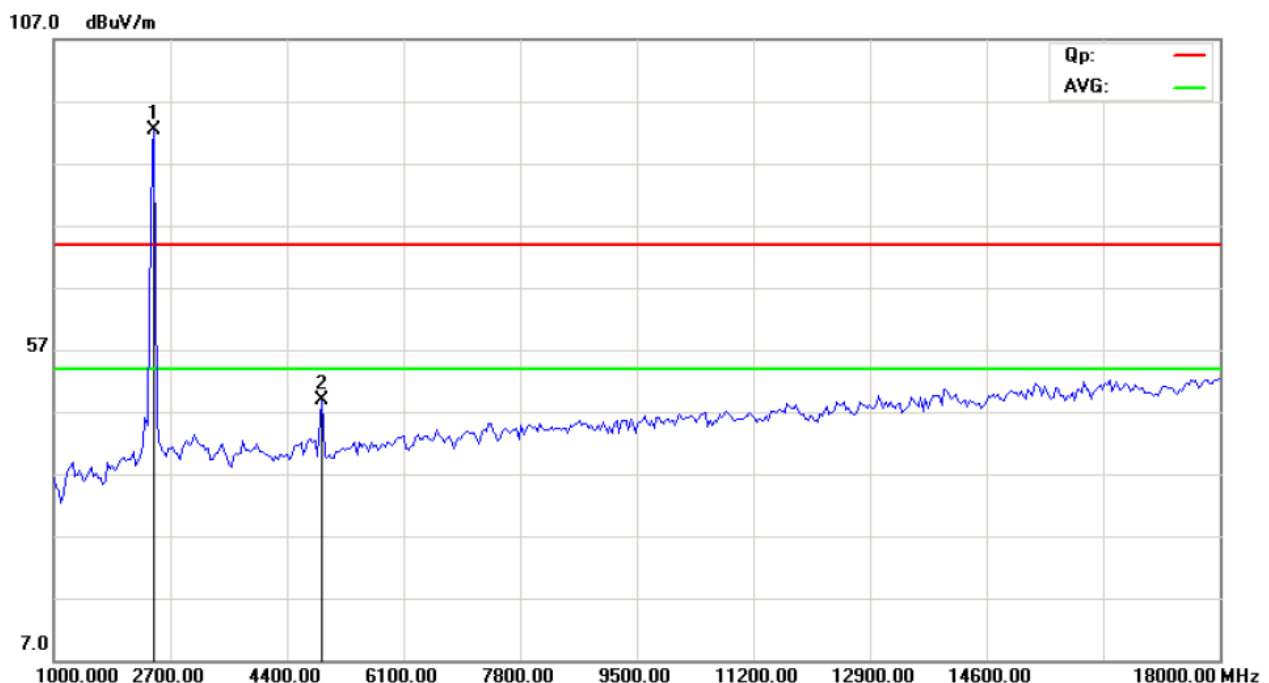
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

### CH7 for 11n HT40 at 65Mbps: Vertical



### CH7 for 11n HT40 at 65Mbps: Horizontal



Note: For radiated Emissions from 18-25GHz, it is only the floor noise.

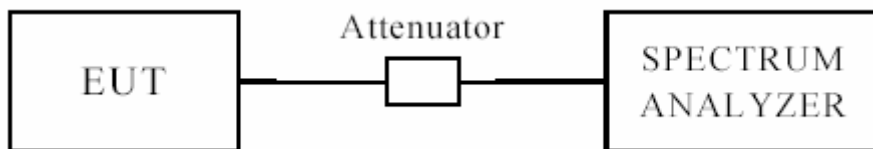
The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

## 7.0 6dB Bandwidth Measurement

### 7.1 Test Setup



### 7.2 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is >500 kHz

### 7.3 Test Procedure

1. Set resolution bandwidth (RBW) = 100 kHz
2. Set the video bandwidth (VBW)  $\geq 3 \times$  RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

### 7.4 Test Result

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer, supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client, enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, the Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



### 6dB Occupied Bandwidth

| EUT         | MID                     | Model                     | TD75C2               |                     |            |
|-------------|-------------------------|---------------------------|----------------------|---------------------|------------|
| Mode        | 802.11b                 | Input Voltage             | AC 120V              |                     |            |
| Temperature | 24 deg. C,              | Humidity                  | 56% RH               |                     |            |
| Channel     | Channel Frequency (MHz) | Data Transfer Rate (Mbps) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) | Pass/ Fail |
| 1           | 2412                    | 1                         | 10.02                | 0.5                 | Pass       |
| 6           | 2437                    | 1                         | 10.08                | 0.5                 | Pass       |
| 11          | 2462                    | 1                         | 10.08                | 0.5                 | Pass       |
| 1           | 2412                    | 11                        | 9.30                 | 0.5                 | Pass       |
| 6           | 2437                    | 11                        | 9.30                 | 0.5                 | Pass       |
| 11          | 2462                    | 11                        | 9.30                 | 0.5                 | Pass       |

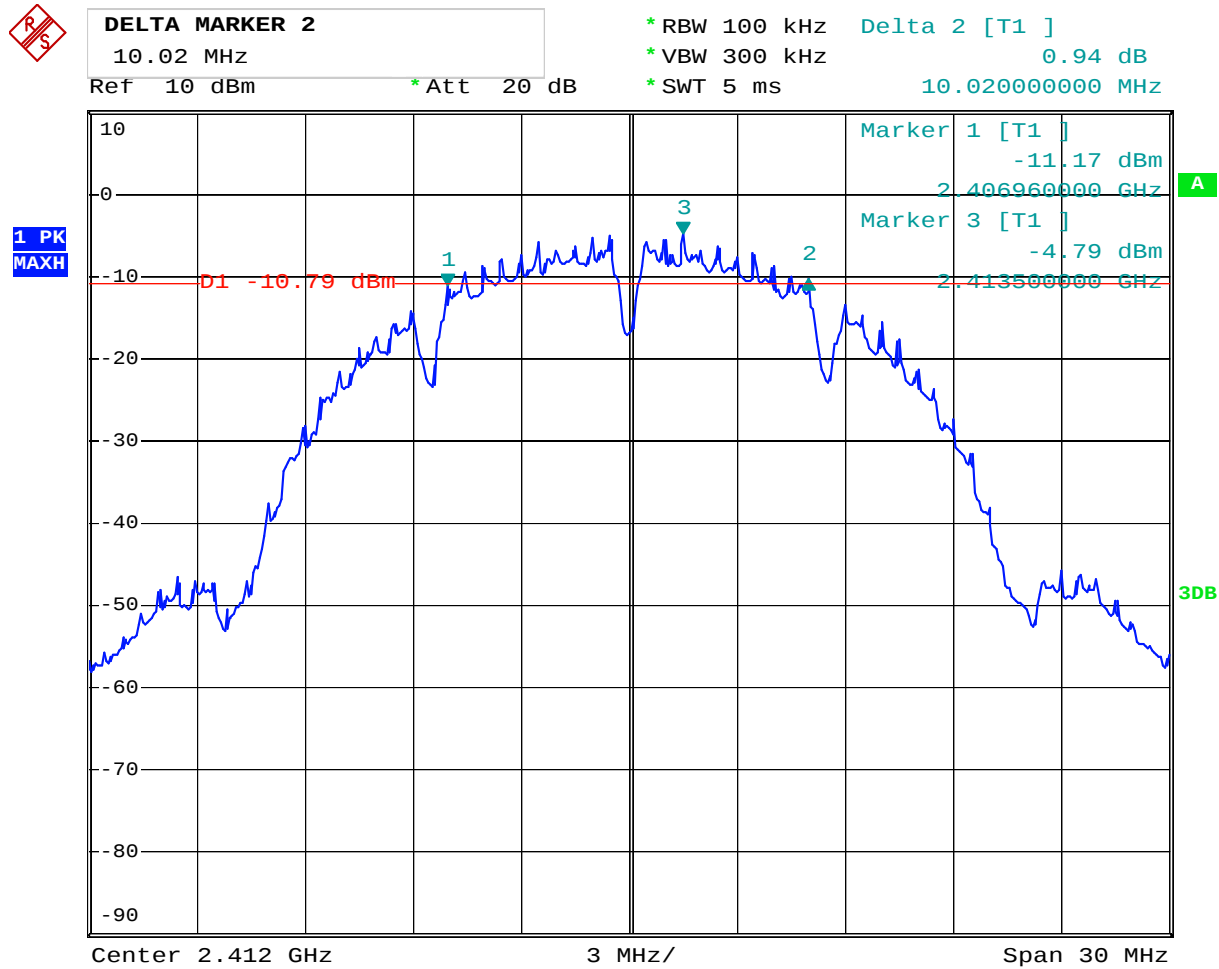
The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



1. 802.11b at 1Mbps of CH01

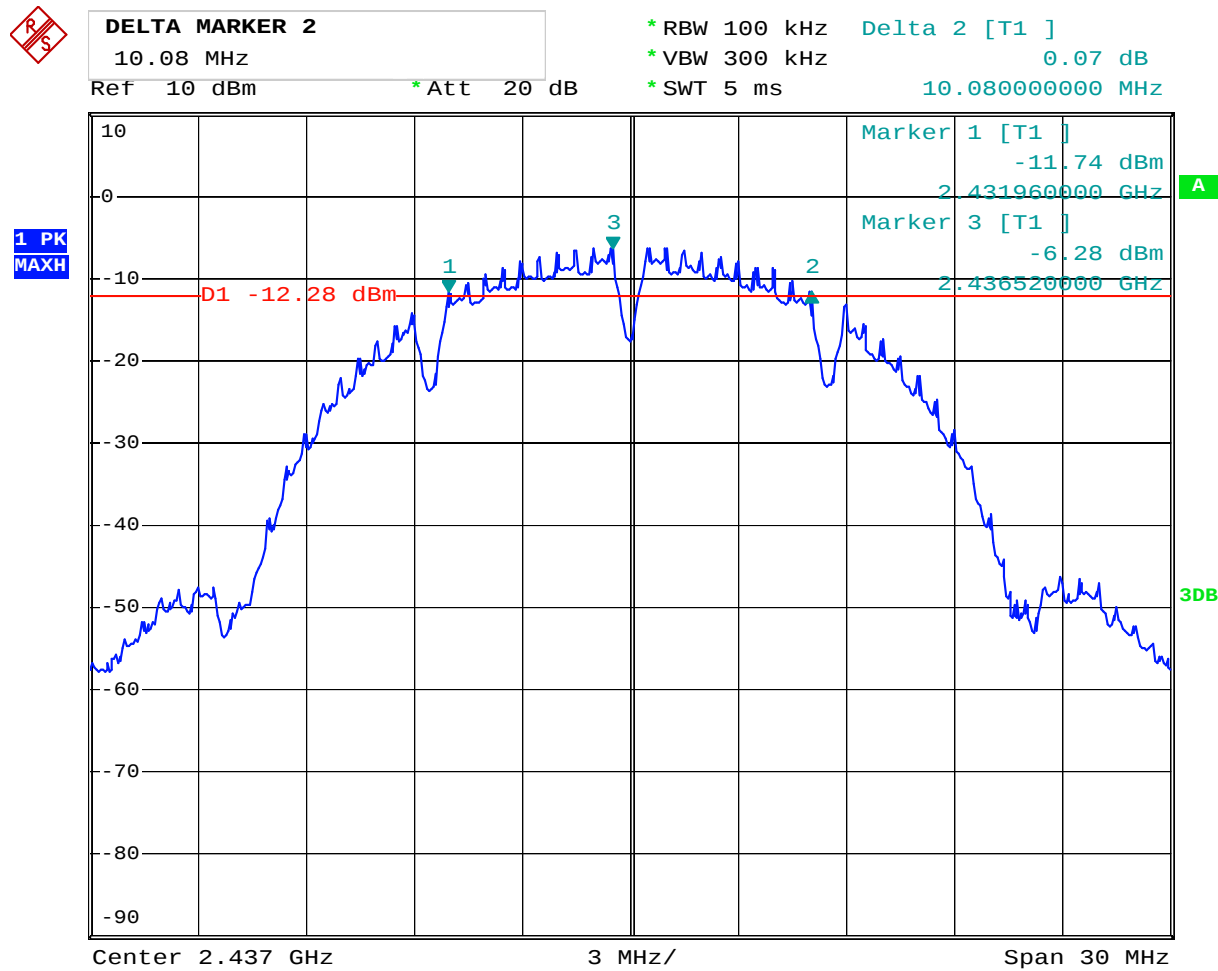


Date: 30.MAY.2014 18:44:01

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



2. 802.11b at 1Mbps of CH06

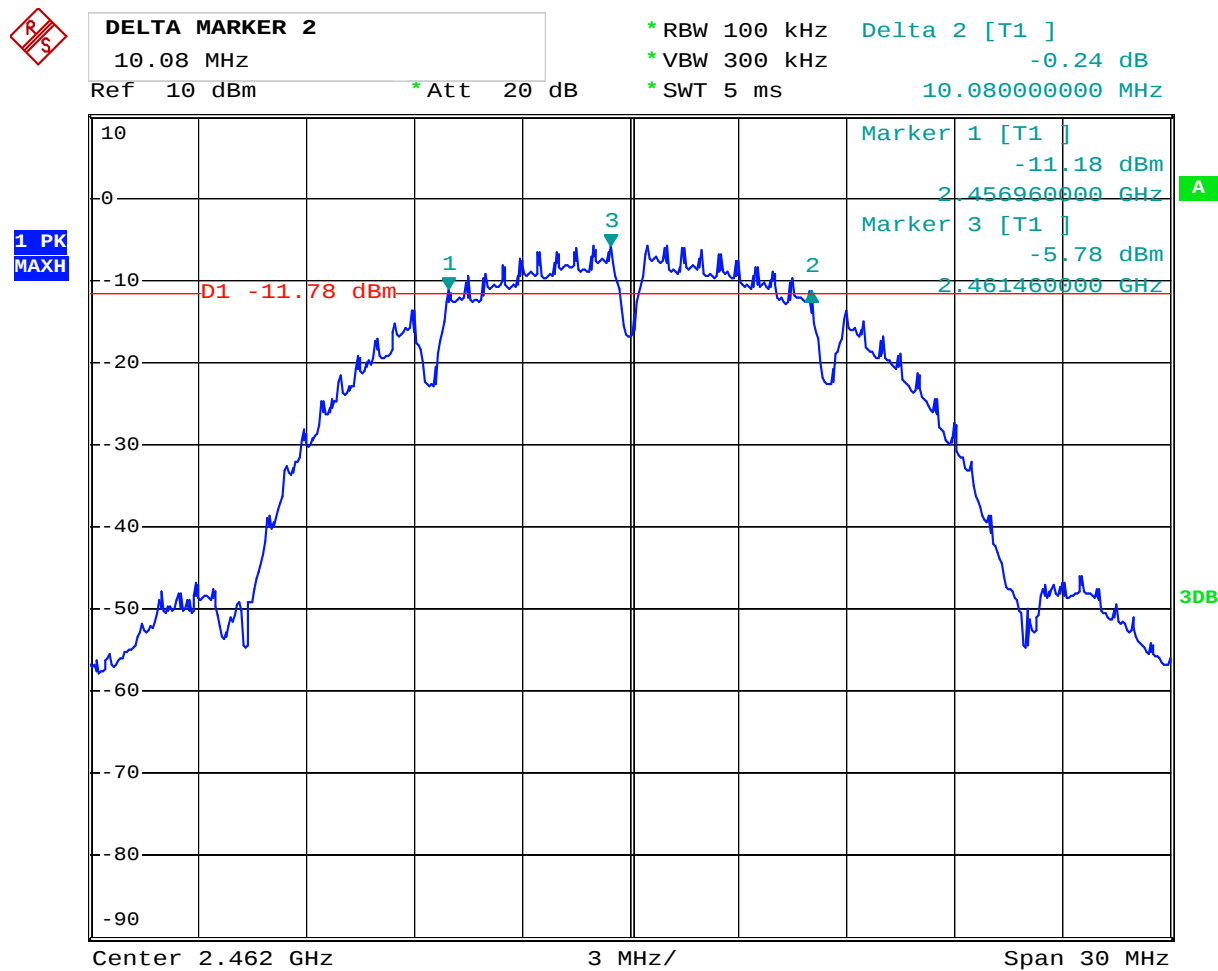


Date: 30.MAY.2014 18:59:32

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



3. 802.11b at 1Mbps of CH11

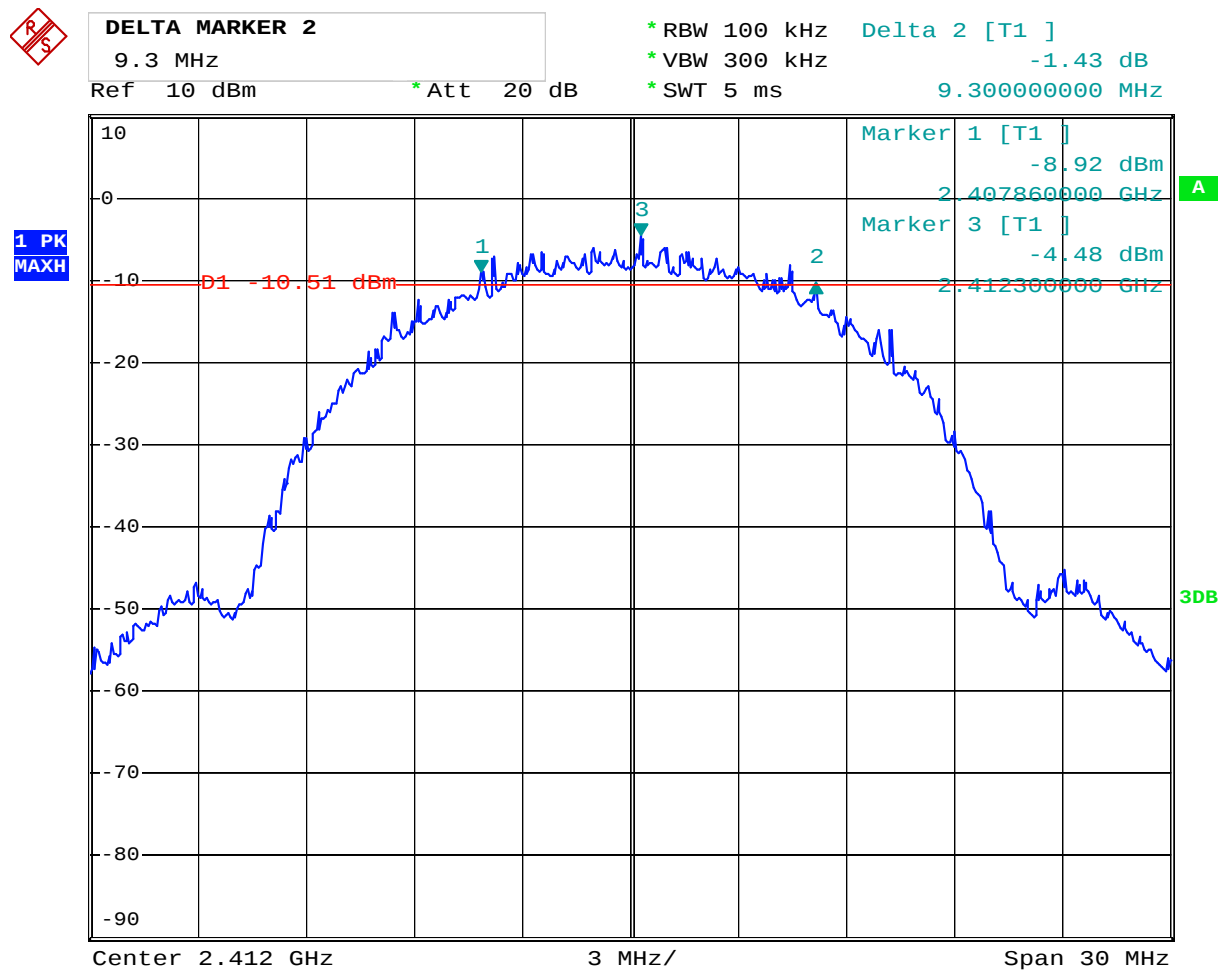


Date: 30.MAY.2014 19:02:04

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertizing. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the Shenzhen Timeway Technology Consulting co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



4. 802.11b at 11Mbps of CH01

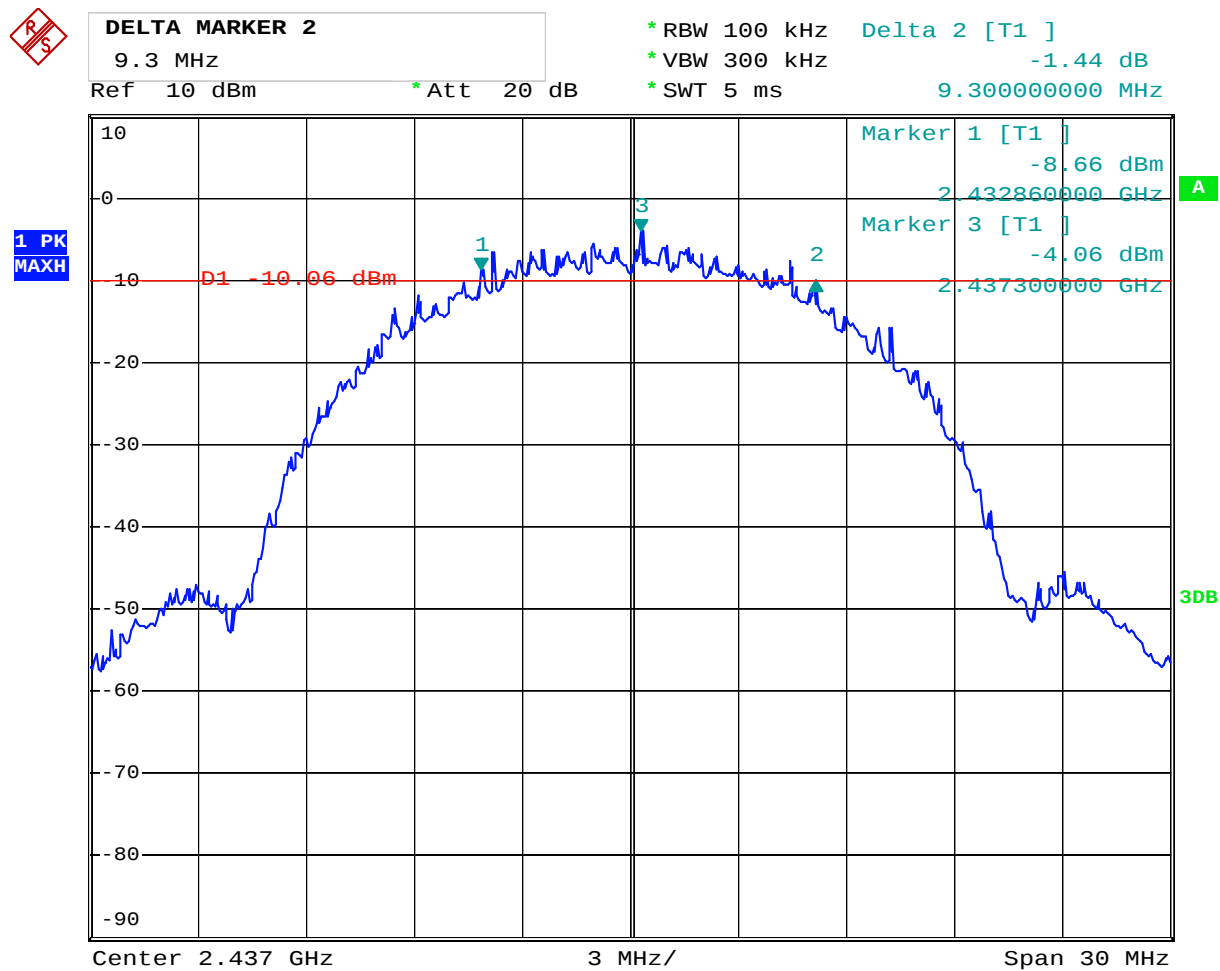


Date: 30.MAY.2014 18:50:14

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertizing. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the Shenzhen Timeway Technology Consulting co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



5. 802.11b at 11Mbps of CH06

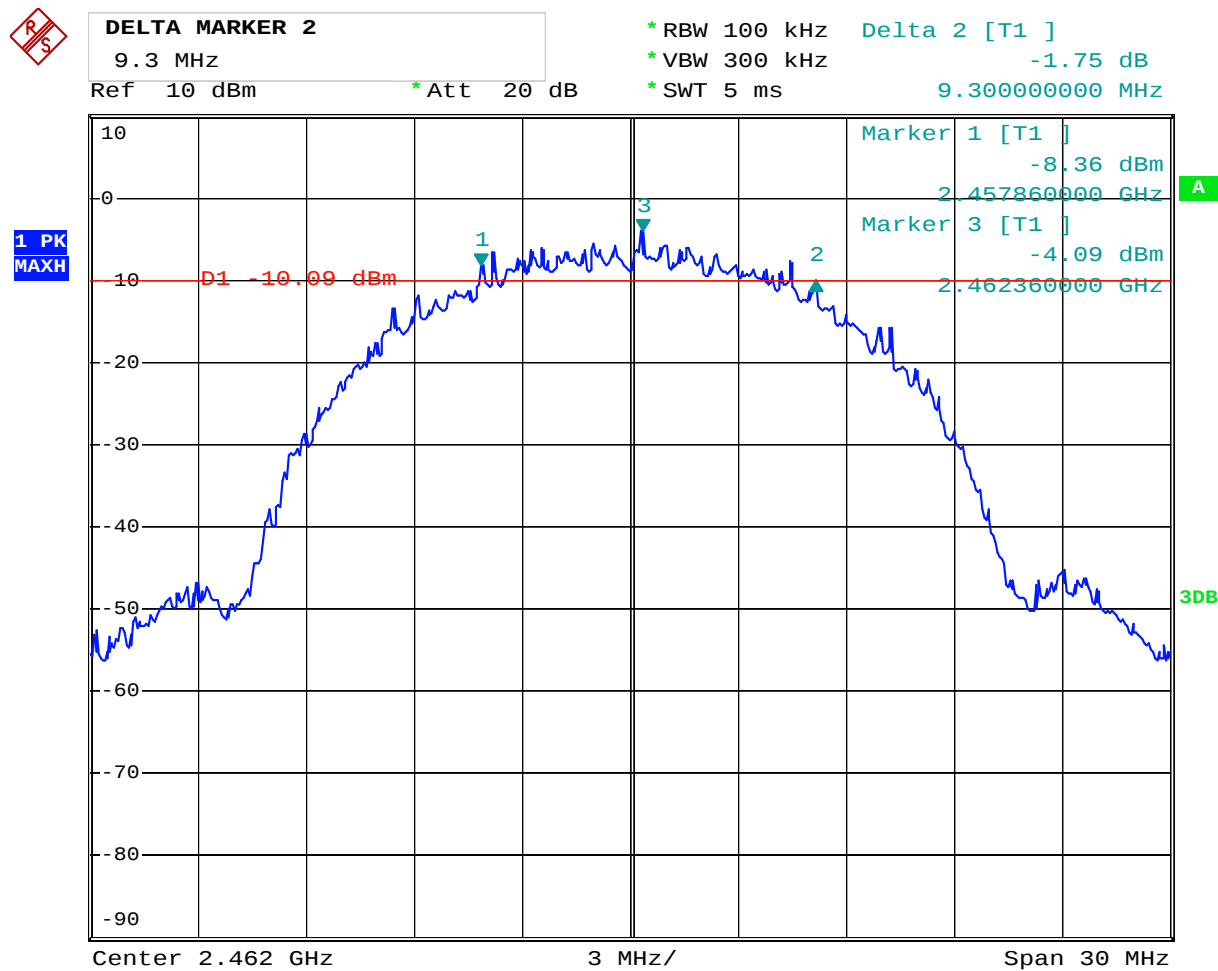


Date: 30.MAY.2014 18:56:53

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



6. 802.11b at 11Mbps of CH11



Date: 30.MAY.2014 19:03:56

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



### 6dB Occupied Bandwidth

| EUT         | MID                     | Model                     | TD75C2               |                     |            |
|-------------|-------------------------|---------------------------|----------------------|---------------------|------------|
| Mode        | 802.11g                 | Input Voltage             | AC 120V              |                     |            |
| Temperature | 24 deg. C,              | Humidity                  | 56% RH               |                     |            |
| Channel     | Channel Frequency (MHz) | Data Transfer Rate (Mbps) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) | Pass/ Fail |
| 1           | 2412                    | 54                        | 16.50                | 0.5                 | Pass       |
| 6           | 2437                    | 54                        | 16.50                | 0.5                 | Pass       |
| 11          | 2462                    | 54                        | 16.50                | 0.5                 | Pass       |

The report refers only to the sample tested and does not apply to the bulk.

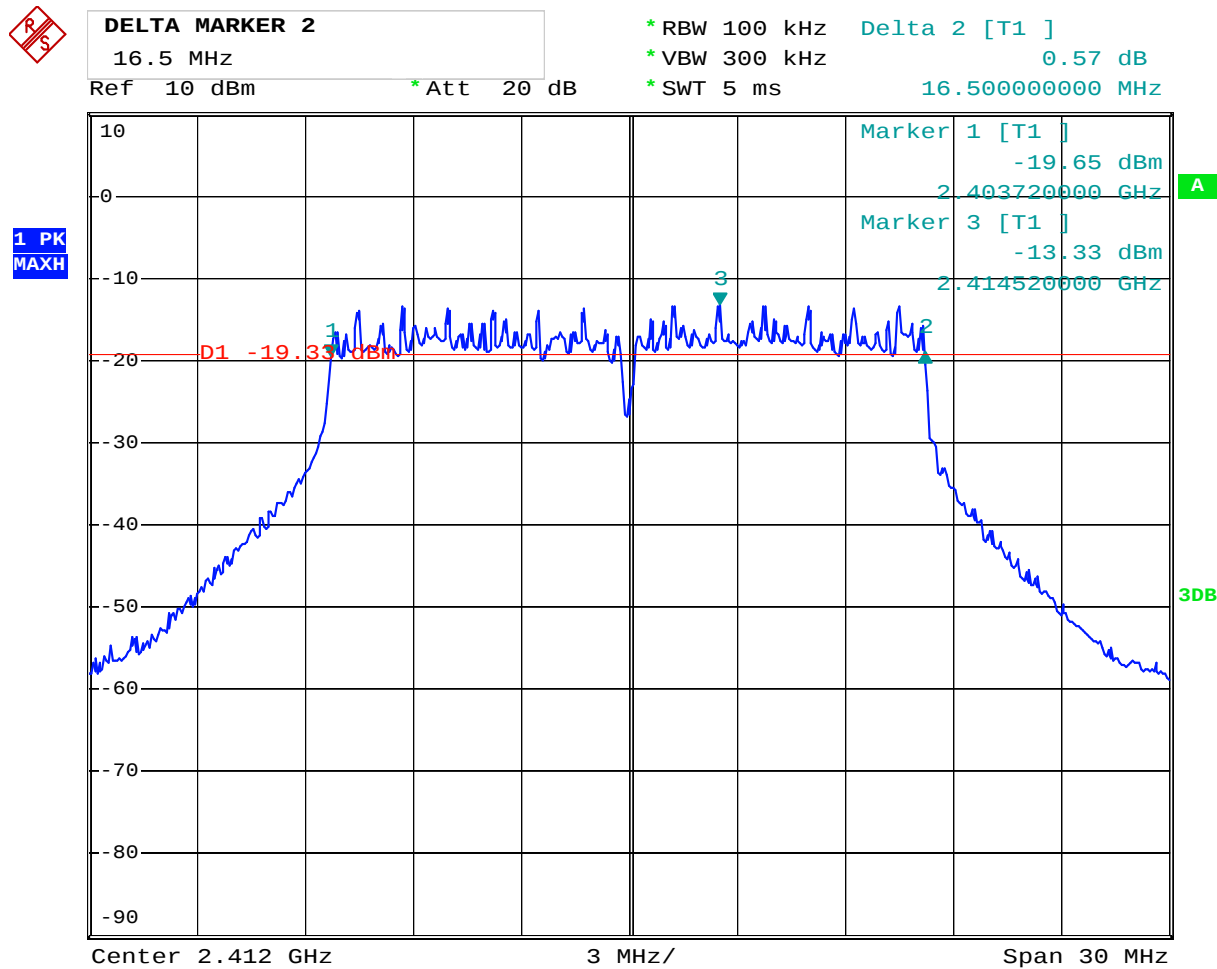
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Test Plots:

1. 802.11g at 54Mbps of CH01

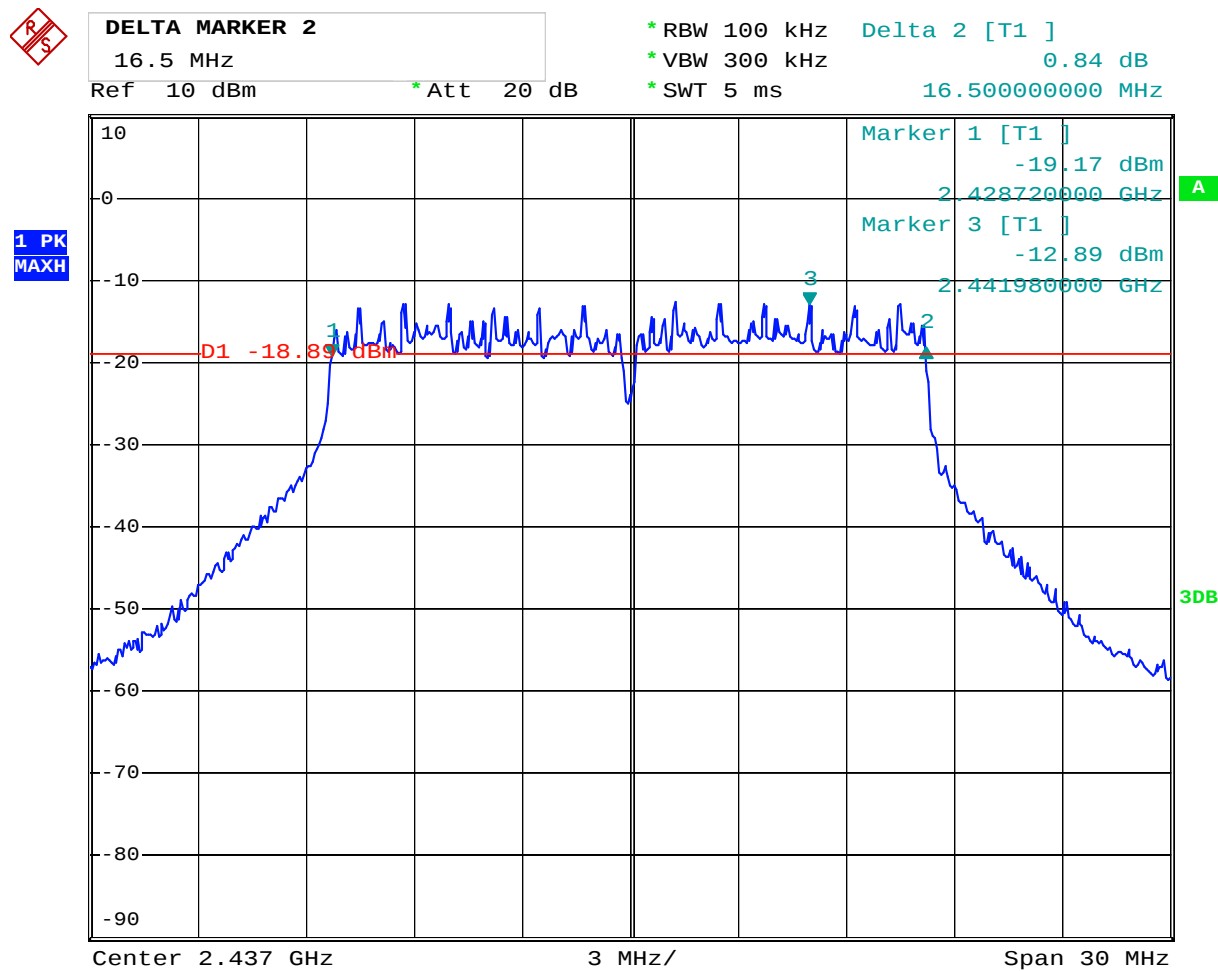


Date: 30.MAY.2014 18:52:22

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



2. 802.11g at 54Mbps of CH06

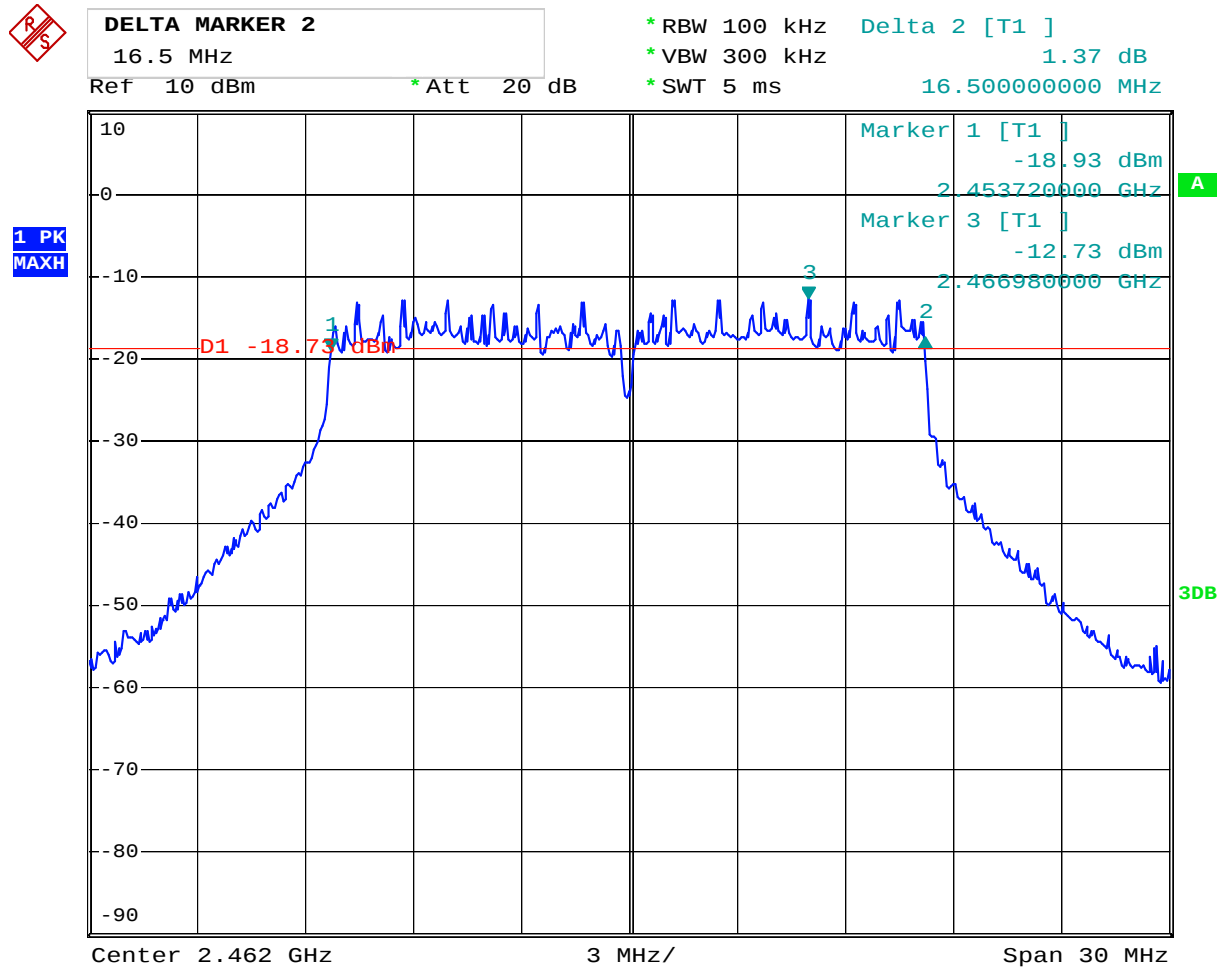


Date: 30.MAY.2014 18:55:50

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertizing. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the Shenzhen Timeway Technology Consulting co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



3. 802.11g at 54Mbps of CH11



Date: 30.MAY.2014 19:05:12

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



### 6dB Occupied Bandwidth

| EUT         | MID                     |                           | Model                | TD75C2              |            |
|-------------|-------------------------|---------------------------|----------------------|---------------------|------------|
| Mode        | 802.11n                 |                           | Input Voltage        | AC 120V             |            |
| Temperature | 24 deg. C,              |                           | Humidity             | 56% RH              |            |
| Channel     | Channel Frequency (MHz) | Data Transfer Rate (Mbps) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) | Pass/ Fail |
| 1           | 2412                    | HT20<br>65Mbps            | 17.58                | 0.5                 | Pass       |
| 6           | 2437                    | HT20<br>65Mbps            | 17.58                | 0.5                 | Pass       |
| 11          | 2462                    | HT20<br>65Mbps            | 17.58                | 0.5                 | Pass       |
| 1           | 2422                    | HT40<br>65Mbps            | 35.18                | 0.5                 | Pass       |
| 4           | 2437                    | HT40<br>65Mbps            | 35.22                | 0.5                 | Pass       |
| 7           | 2452                    | HT40<br>65Mbps            | 35.20                | 0.5                 | Pass       |

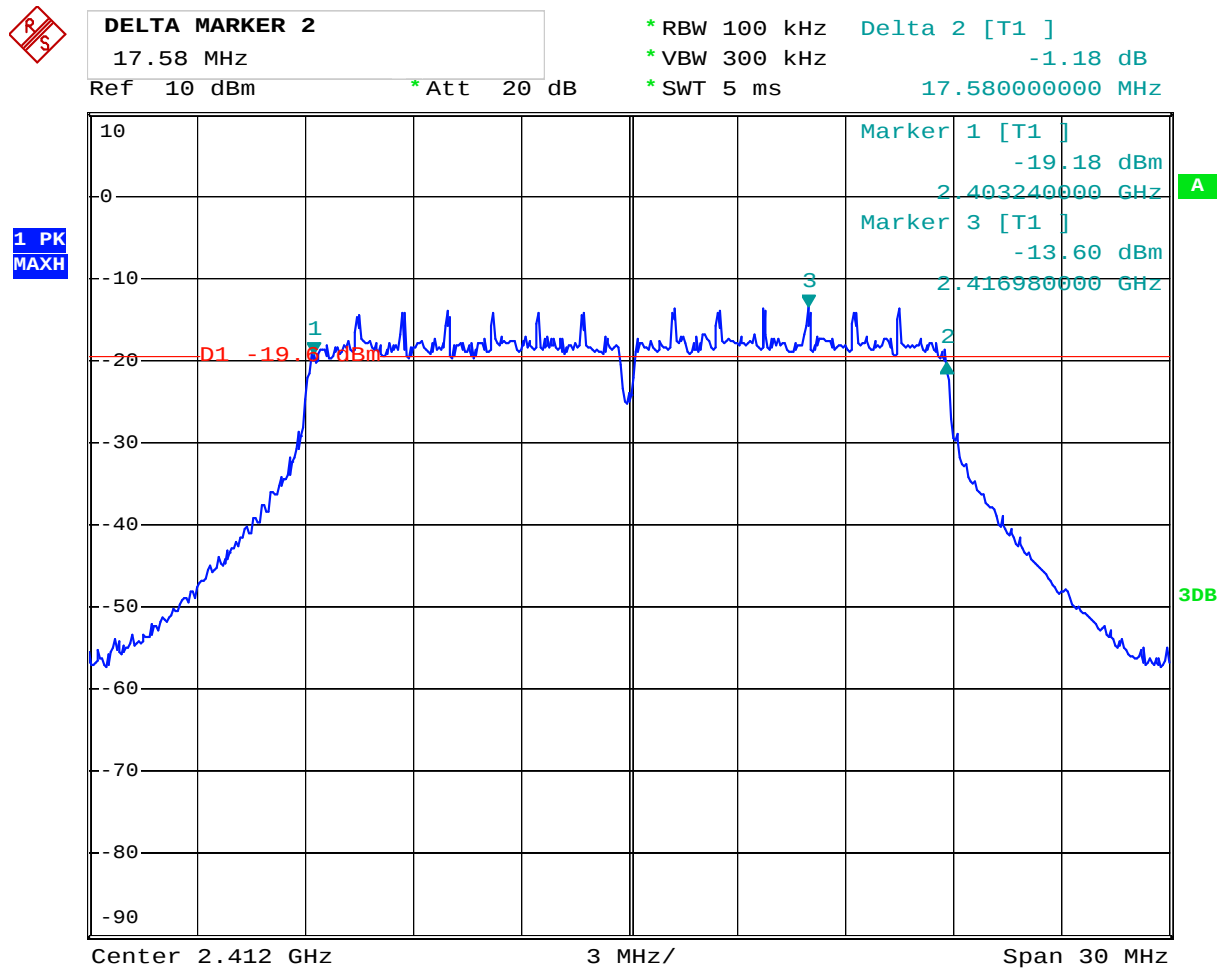
The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Test Plots:  
1. 802.11n at HT20 of CH01

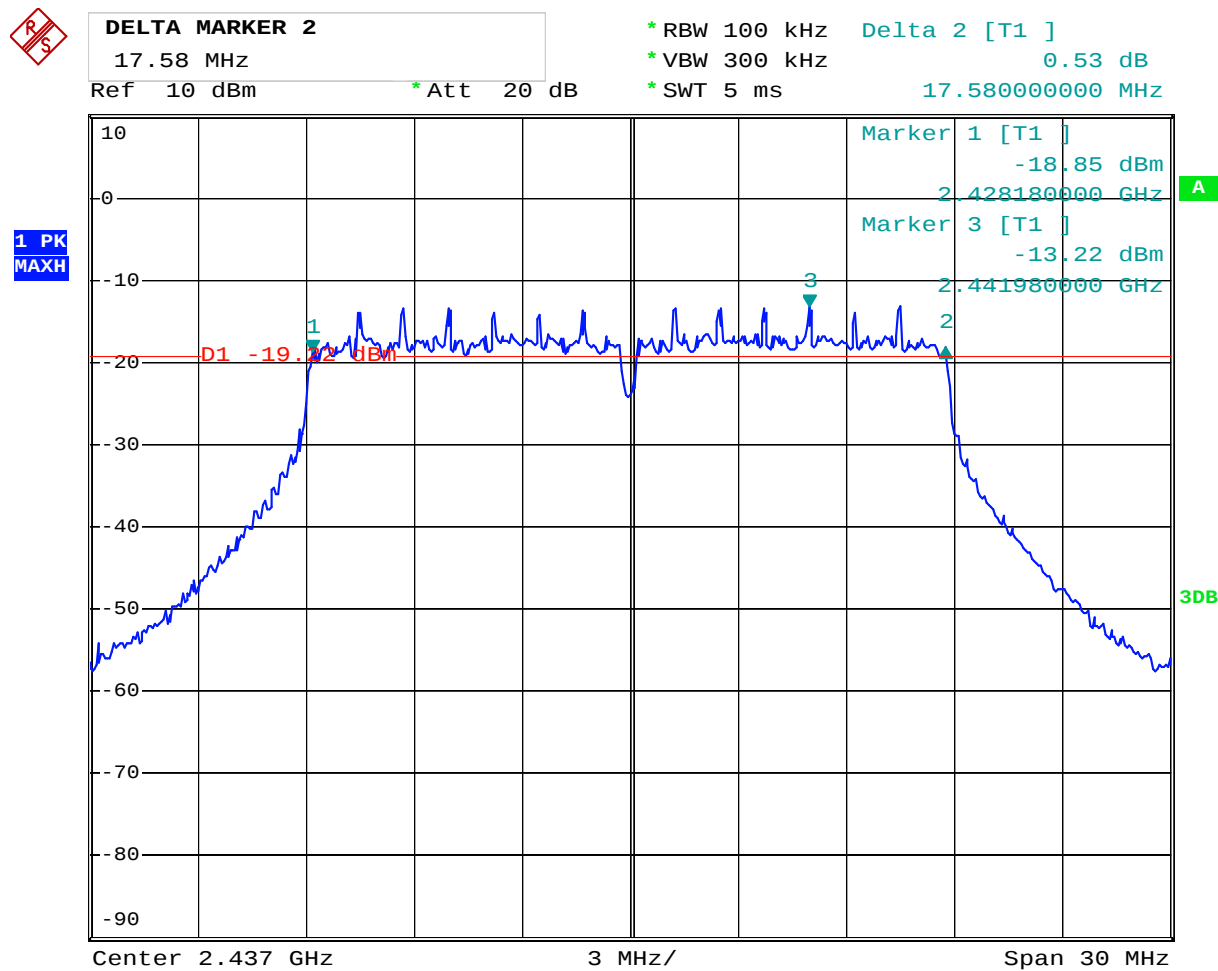


Date: 30.MAY.2014 19:10:50

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

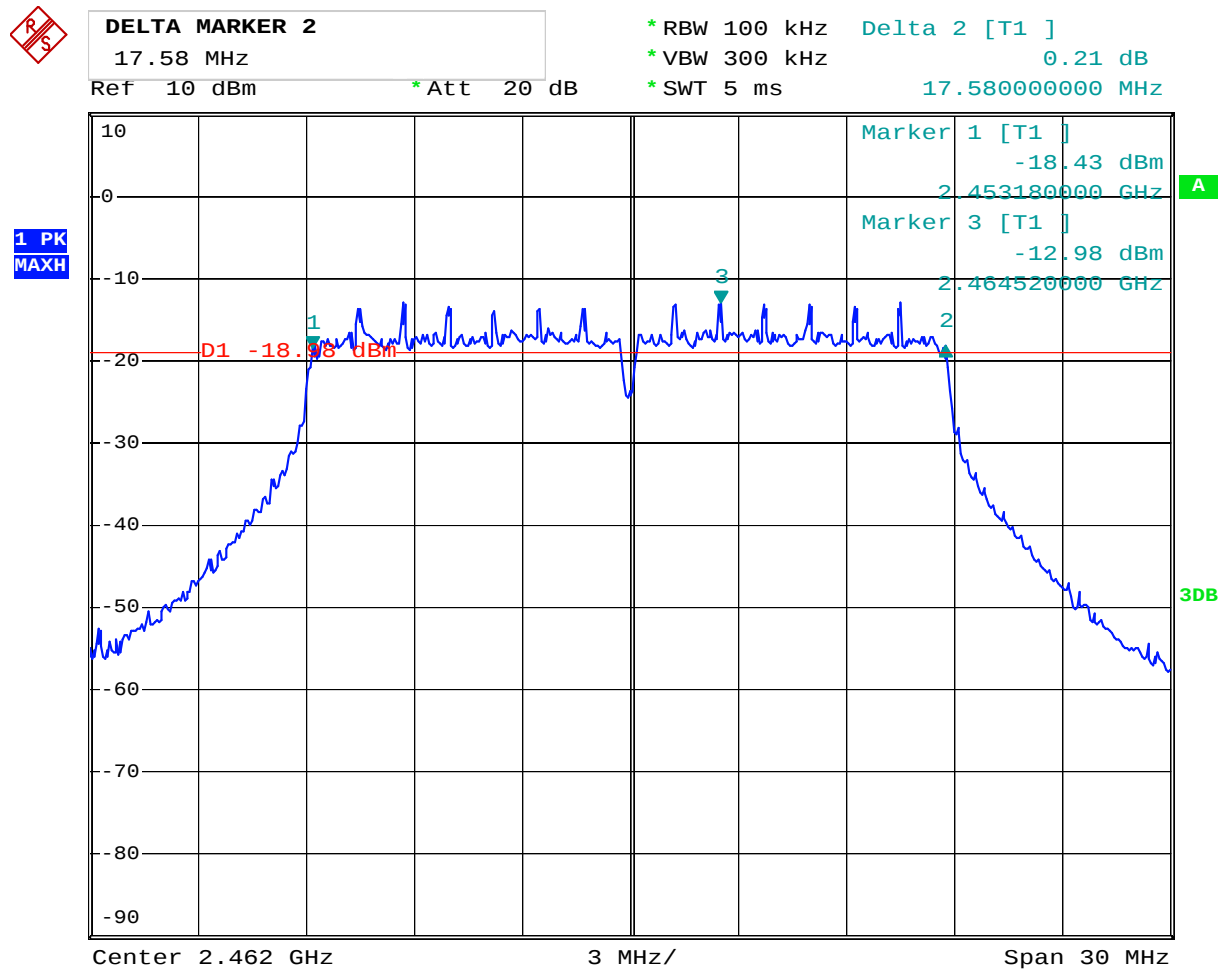


2. 802.11n at HT20 of CH06





3. 802.11n at HT20 of CH11

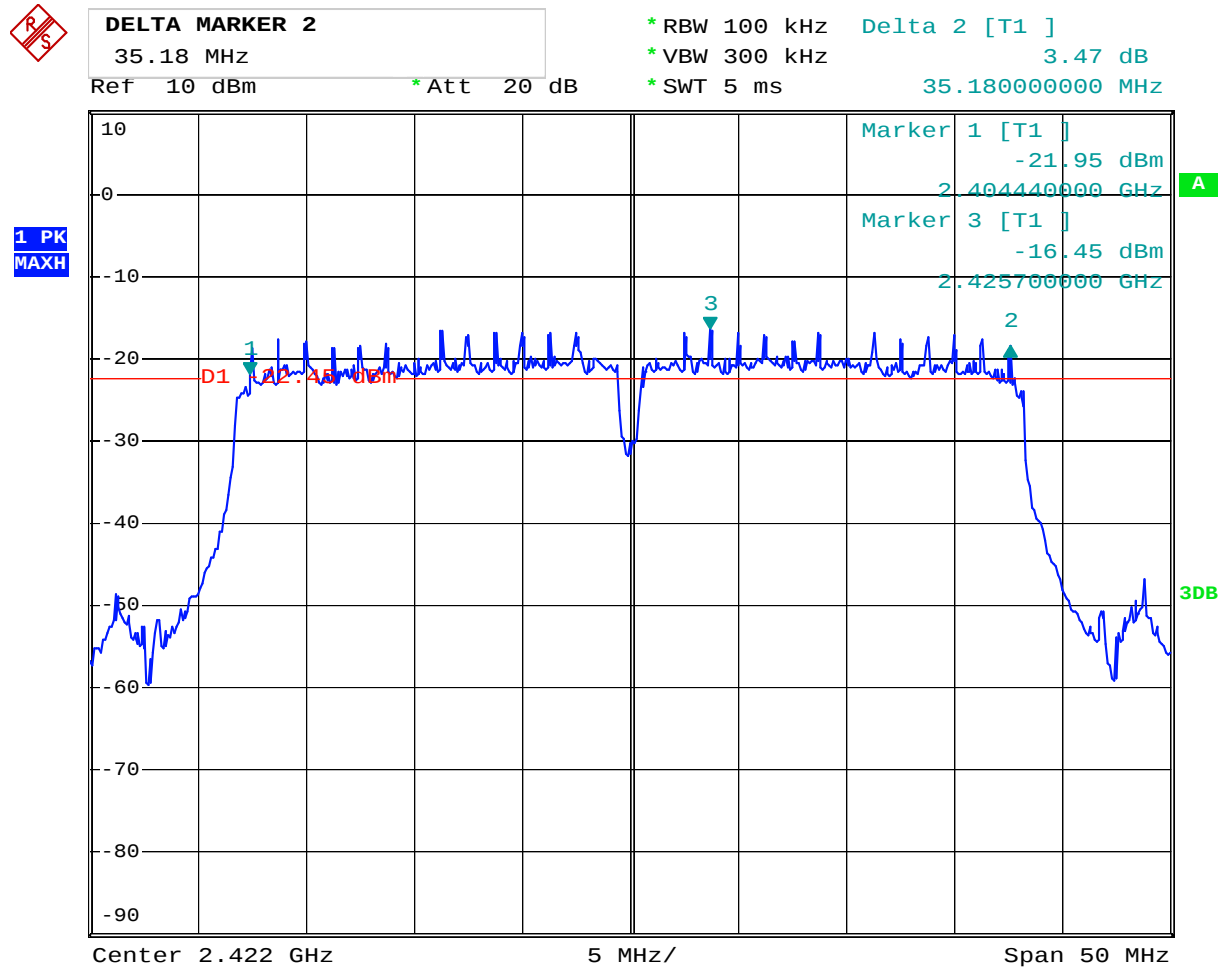


Date: 30.MAY.2014 19:07:01

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



4. 802.11n at HT40 of CH01

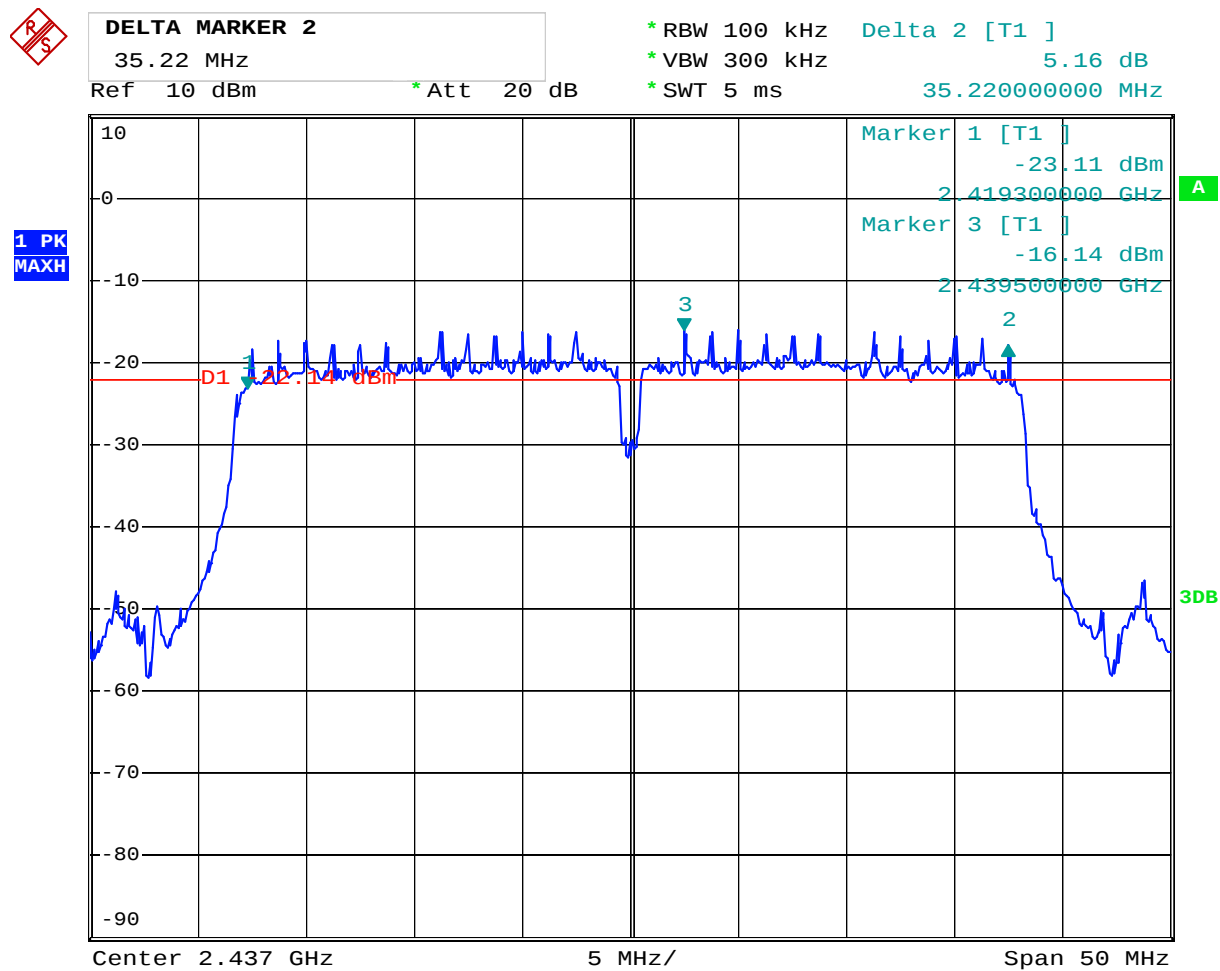


Date: 30.MAY.2014 19:12:42

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



5. 802.11n at HT40 of CH04

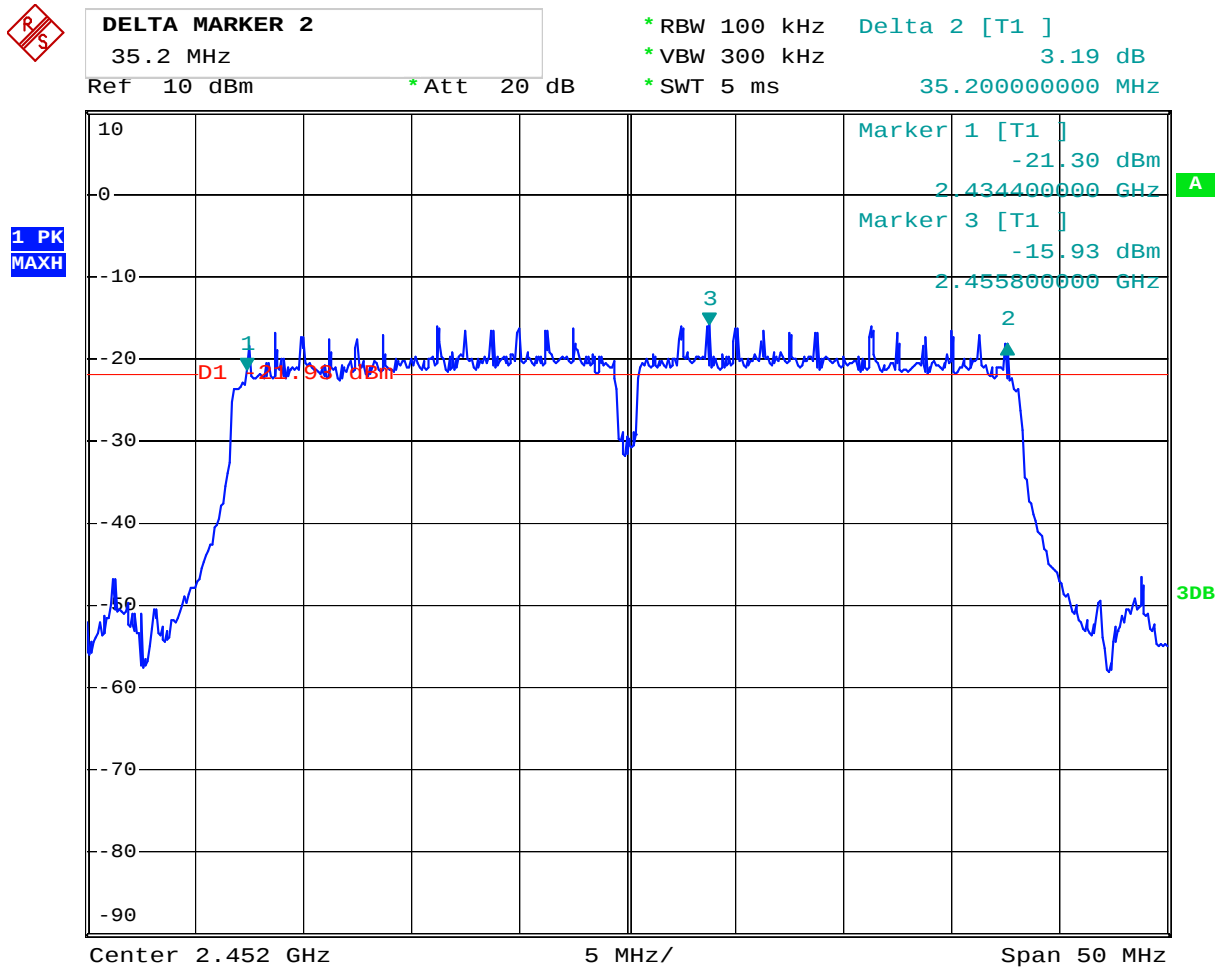


Date: 30.MAY.2014 19:15:39

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertizing. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the Shenzhen Timeway Technology Consulting co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



## 6. 802.11n at HT40 of CH07



Date: 30.MAY.2014 19:19:34

The report refers only to the sample tested and does not apply to the bulk.

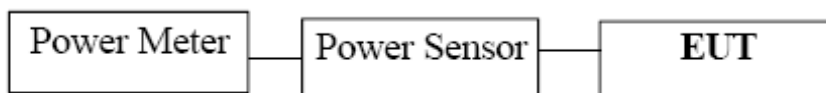
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



## 8. Maximum Peak Output Power

### 8.1 Test Setup



### 8.2 Limits of Maximum Peak Output Power

The Maximum Peak Output Power Measurement is 30dBm.

### 8.3 Test Procedure

The RF power output was measured with a Power meter connected to the RF Antenna connector ( conducted measurement ) while EUT was operating in transmit mode at the appropriate centre frequency.

**Note: the peak power was measured**

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



#### 8.4 Test Results

| EUT         | MID                     | Model                   | TD75C2                 |            |
|-------------|-------------------------|-------------------------|------------------------|------------|
| Mode        | 802.11b                 | Input Voltage           | AC 120V                |            |
| Temperature | 24 deg. C,              | Humidity                | 56% RH                 |            |
| Channel     | Channel Frequency (MHz) | Peak Power Output (dBm) | Peak Power Limit (dBm) | Pass/ Fail |
| 1           | 2412                    | 9.36                    | 30                     | Pass       |
| 6           | 2437                    | 9.69                    | 30                     | Pass       |
| 11          | 2462                    | 9.52                    | 30                     | Pass       |

Note: 1. At final test to get the worst-case emission at 11Mbps for CH01, CH06 and CH11

2. The result basic equation calculation as follow:

$$\text{Peak Power Output} = \text{Peak Power Reading} + \text{Cable loss} + \text{Attenuator}$$

3. The test voltage varied from AC102V-138V. The worse case was recorded

| EUT         | MID                     | Model                   | TD75C2                 |            |
|-------------|-------------------------|-------------------------|------------------------|------------|
| Mode        | 802.11g                 | Input Voltage           | AC 120V                |            |
| Temperature | 24 deg. C,              | Humidity                | 56% RH                 |            |
| Channel     | Channel Frequency (MHz) | Peak Power Output (dBm) | Peak Power Limit (dBm) | Pass/ Fail |
| 1           | 2412                    | 6.95                    | 30                     | Pass       |
| 6           | 2437                    | 7.30                    | 30                     | Pass       |
| 11          | 2462                    | 7.31                    | 30                     | Pass       |

Note: 1. At final test to get the worst-case emission at 54Mbps for CH01, CH06 and CH11

2. The result basic equation calculation as follow:

$$\text{Peak Power Output} = \text{Peak Power Reading} + \text{Cable loss} + \text{Attenuator}$$

3. The test voltage varied from AC102V-138V. The worse case was recorded

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



| EUT         | MID                     | Model                   | TD75C2                 |            |
|-------------|-------------------------|-------------------------|------------------------|------------|
| Mode        | 802.11n (HT20)          | Input Voltage           | AC 120V                |            |
| Temperature | 24 deg. C,              | Humidity                | 56% RH                 |            |
| Channel     | Channel Frequency (MHz) | Peak Power Output (dBm) | Peak Power Limit (dBm) | Pass/ Fail |
| 1           | 2412                    | 6.48                    | 30                     | Pass       |
| 6           | 2437                    | 6.83                    | 30                     | Pass       |
| 11          | 2462                    | 7.07                    | 30                     | Pass       |

Note: 1. At final test to get the worst-case emission at 65Mbps for CH01, CH06 and CH11

2. The result basic equation calculation as follow:

Peak Power Output = Peak Power Reading + Cable loss + Attenuator

3. The test voltage varied from AC102V-138V. The worse case was recorded

| EUT         | MID                     | Model                   | TD75C2                 |            |
|-------------|-------------------------|-------------------------|------------------------|------------|
| Mode        | 802.11n (HT40)          | Input Voltage           | AC 120V                |            |
| Temperature | 24 deg. C,              | Humidity                | 56% RH                 |            |
| Channel     | Channel Frequency (MHz) | Peak Power Output (dBm) | Peak Power Limit (dBm) | Pass/ Fail |
| 1           | 2422                    | 6.22                    | 30                     | Pass       |
| 4           | 2437                    | 6.53                    | 30                     | Pass       |
| 7           | 2452                    | 6.69                    | 30                     | Pass       |

Note: 1. At final test to get the worst-case emission at 65Mbps for CH01, CH04 and CH07

2. The result basic equation calculation as follow:

Peak Power Output = Peak Power Reading + Cable loss + Attenuator

3. The test voltage varied from AC102V-138V. The worse case was recorded

The report refers only to the sample tested and does not apply to the bulk.

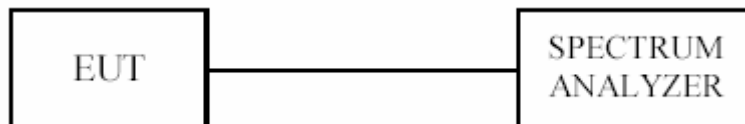
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



## 9. Power Spectral Density Measurement

### 9.1 Test Setup



### 9.2 Limits of Power Spectral Density Measurement

The Maximum Power Spectral Density Measurement is 8dBm.

### 9.3 Test Procedure

1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.
2. Set the RBW = 10 kHz.
3. Set the VBW  $\geq$  30 kHz.
4. Set the span to 1.5 times the DTS channel bandwidth.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.
11. The resulting peak PSD level must be  $\leq$  8 dBm.

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



#### 9.4 Test Result

| EUT         | MID                     | Model                      | TD75C2              |            |
|-------------|-------------------------|----------------------------|---------------------|------------|
| Mode        | 802.11b 11Mbps          | Input Voltage              | AC 120V             |            |
| Temperature | 24 deg. C,              | Humidity                   | 56% RH              |            |
| Channel     | Channel Frequency (MHz) | Final RF Power Level (dBm) | Maximum Limit (dBm) | Pass/ Fail |
| 11Mbps      |                         |                            |                     |            |
| 1           | 2412                    | -14.34                     | 8                   | Pass       |
| 6           | 2437                    | -13.58                     | 8                   | Pass       |
| 11          | 2462                    | -14.52                     | 8                   | Pass       |

| EUT         | MID                     | Model                | TD75C2              |            |
|-------------|-------------------------|----------------------|---------------------|------------|
| Mode        | 802.11b 1Mbps           | Input Voltage        | AC 120V             |            |
| Temperature | 24 deg. C,              | Humidity             | 56% RH              |            |
| Channel     | Channel Frequency (MHz) | Final RF Power (dBm) | Maximum Limit (dBm) | Pass/ Fail |
| 1Mbps       |                         |                      |                     |            |
| 1           | 2412                    | -16.58               | 8                   | Pass       |
| 6           | 2437                    | -15.51               | 8                   | Pass       |
| 11          | 2462                    | -15.93               | 8                   | Pass       |

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



| EUT         | MID                     | Model                | TD75C2              |            |
|-------------|-------------------------|----------------------|---------------------|------------|
| Mode        | 802.11g 54Mbps          | Input Voltage        | AC 120V             |            |
| Temperature | 24 deg. C,              | Humidity             | 56% RH              |            |
| Channel     | Channel Frequency (MHz) | Final RF Power (dBm) | Maximum Limit (dBm) | Pass/ Fail |
| 54Mbps      |                         |                      |                     |            |
| 1           | 2412                    | -22.88               | 8                   | Pass       |
| 6           | 2437                    | -22.43               | 8                   | Pass       |
| 11          | 2462                    | -22.35               | 8                   | Pass       |

| EUT         | MID                     | Model                      | TD75C2              |            |
|-------------|-------------------------|----------------------------|---------------------|------------|
| Mode        | 802.11n HT20 65Mbps     | Input Voltage              | AC 120V             |            |
| Temperature | 24 deg. C,              | Humidity                   | 56% RH              |            |
| Channel     | Channel Frequency (MHz) | Final RF Power Level (dBm) | Maximum Limit (dBm) | Pass/ Fail |
| HT20        |                         |                            |                     |            |
| 1           | 2412                    | -23.39                     | 8                   | Pass       |
| 6           | 2437                    | -21.95                     | 8                   | Pass       |
| 11          | 2462                    | -22.70                     | 8                   | Pass       |

| EUT         | MID                     | Model                      | TD75C2              |            |
|-------------|-------------------------|----------------------------|---------------------|------------|
| Mode        | 802.11n HT40 65Mbps     | Input Voltage              | AC 120V             |            |
| Temperature | 24 deg. C,              | Humidity                   | 56% RH              |            |
| Channel     | Channel Frequency (MHz) | Final RF Power Level (dBm) | Maximum Limit (dBm) | Pass/ Fail |
| HT40        |                         |                            |                     |            |
| 1           | 2422                    | -27.37                     | 8                   | Pass       |
| 6           | 2437                    | -25.66                     | 8                   | Pass       |
| 11          | 2452                    | -24.95                     | 8                   | Pass       |

The report refers only to the sample tested and does not apply to the bulk.

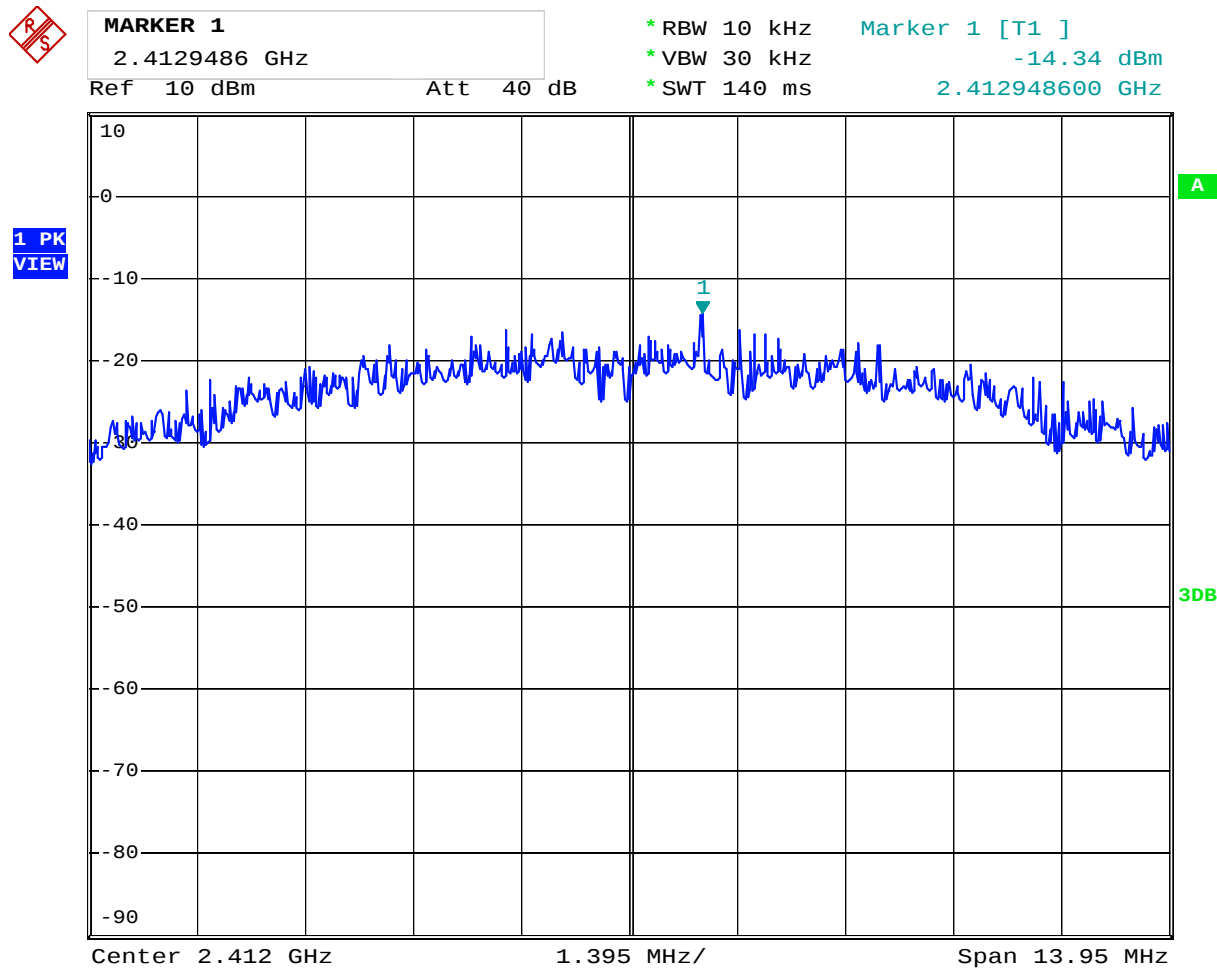
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



9.5 Photo of Power Spectral Density Measurement

1.802.11b at 11Mbps of CH01

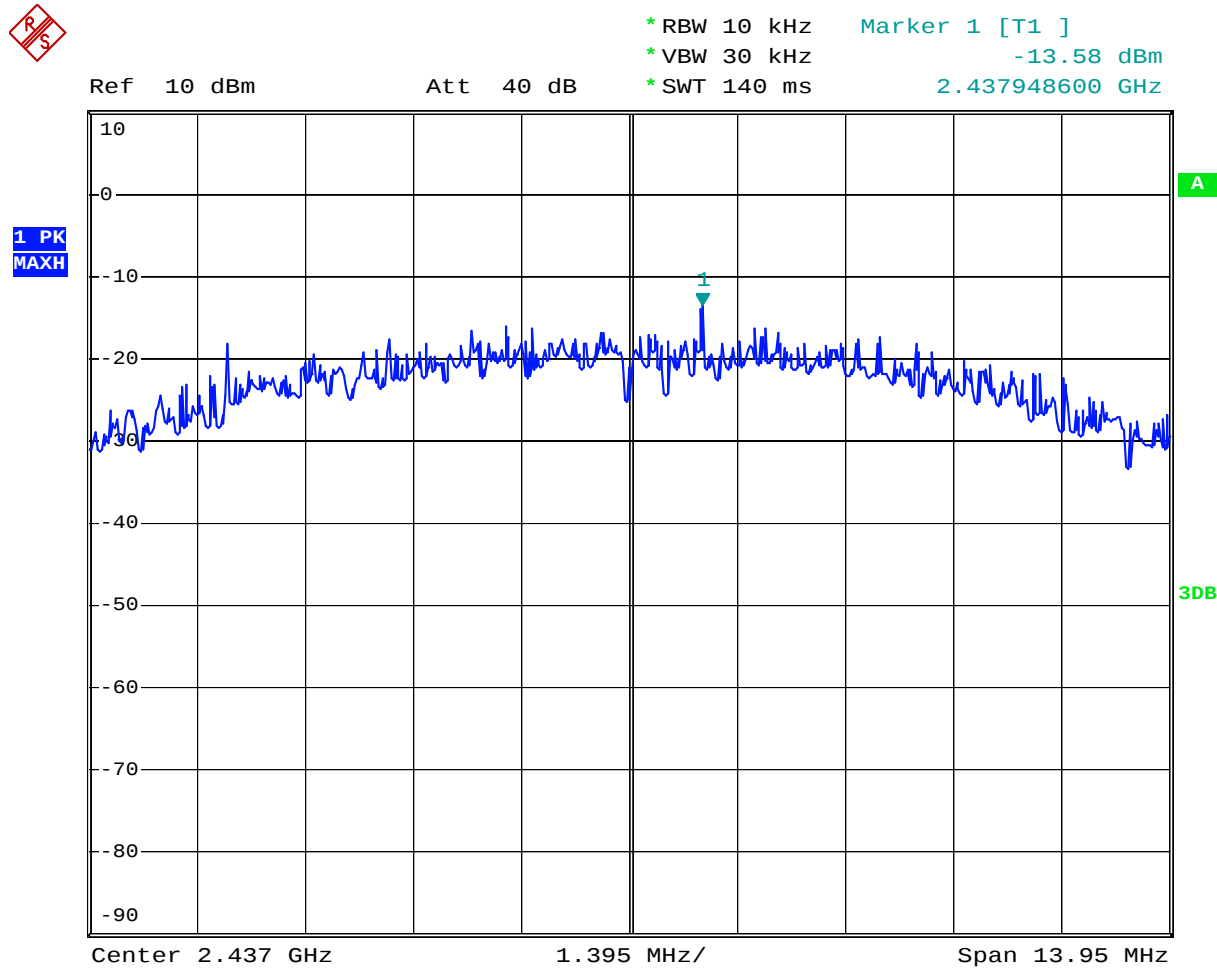


Date: 3.JUN.2014 15:56:08

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



2. 802.11b at 11Mbps at CH06

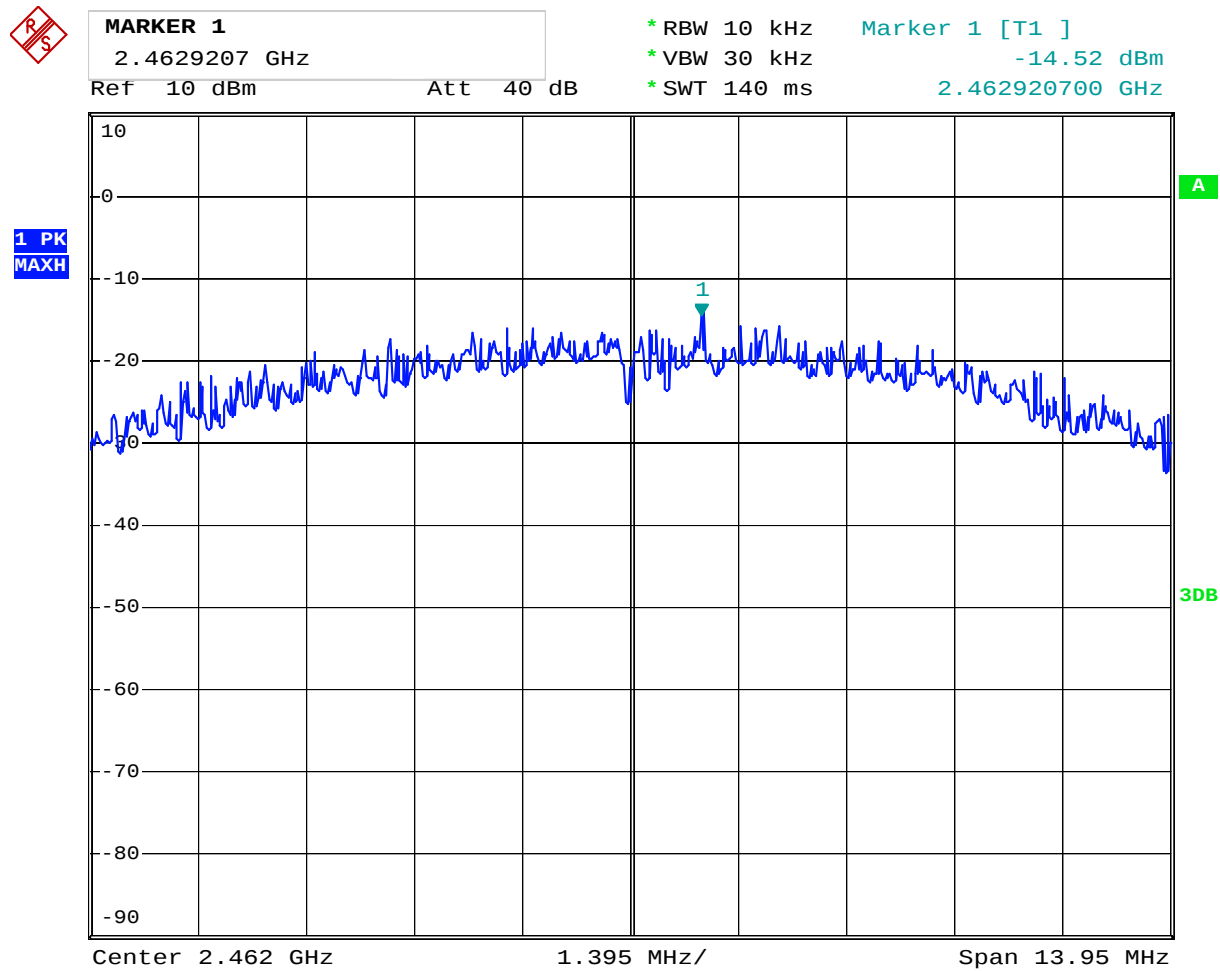


Date: 3.JUN.2014 16:08:02

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertizing. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the Shenzhen Timeway Technology Consulting co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



3. 802.11b at 11Mbps of CH11

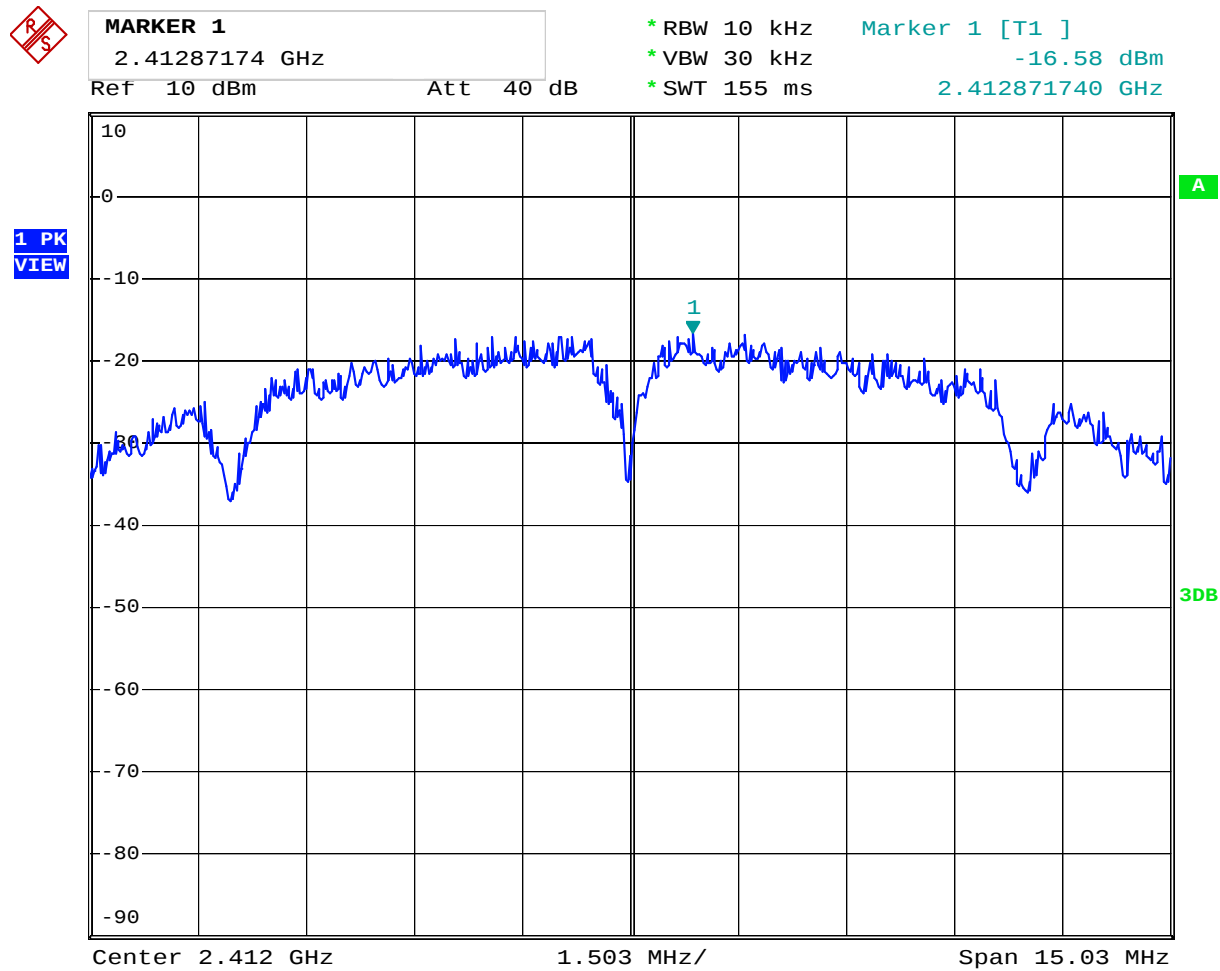


Date: 3. JUN. 2014 16:06:33

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



4. 802.11b at 1Mbps of CH1

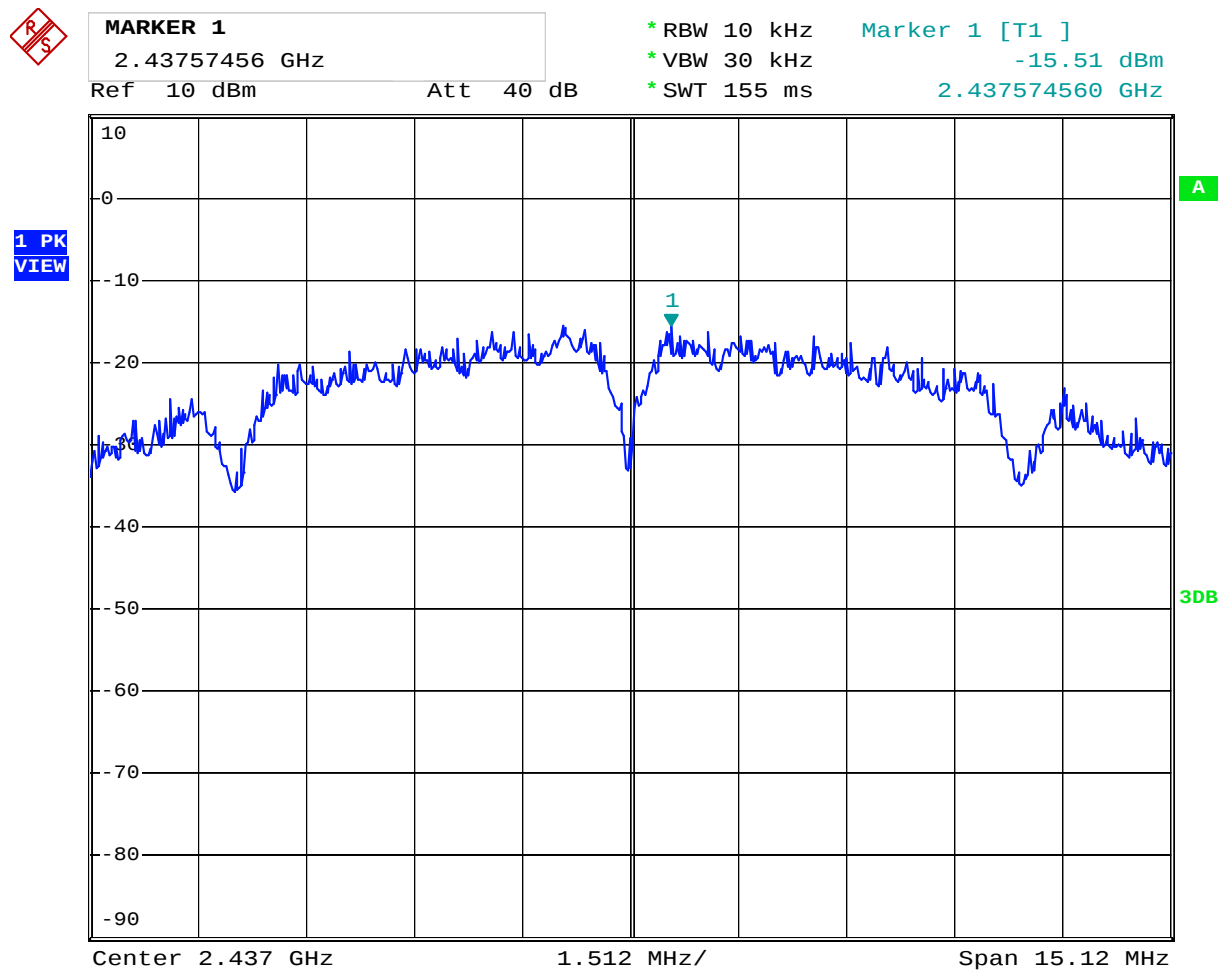


Date: 3. JUN. 2014 15:54:06

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



5. 802.11b at 1Mbps of CH6

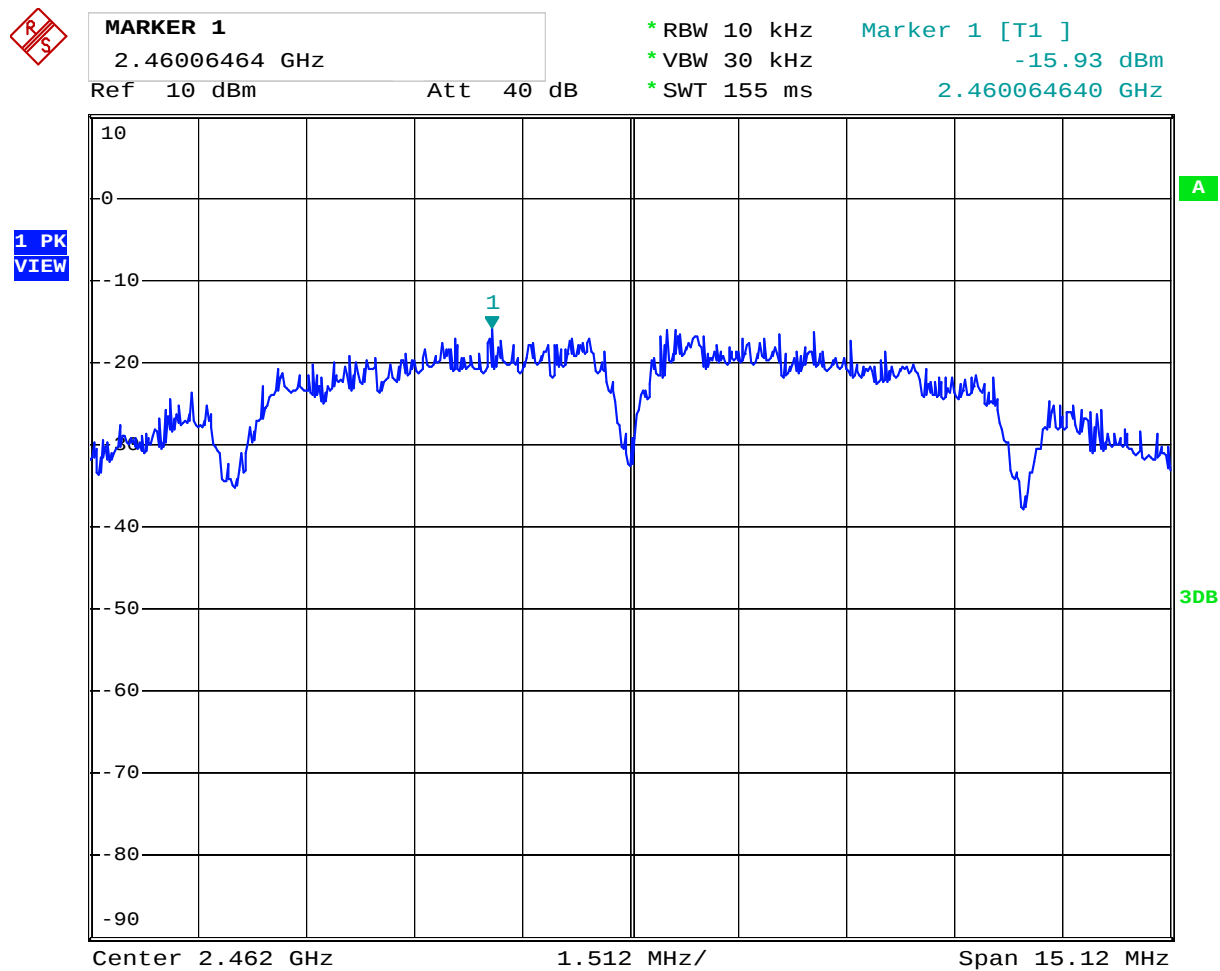


Date: 3.JUN.2014 16:11:43

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertizing. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the Shenzhen Timeway Technology Consulting co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



6. 802.11b at 1Mbps of CH11

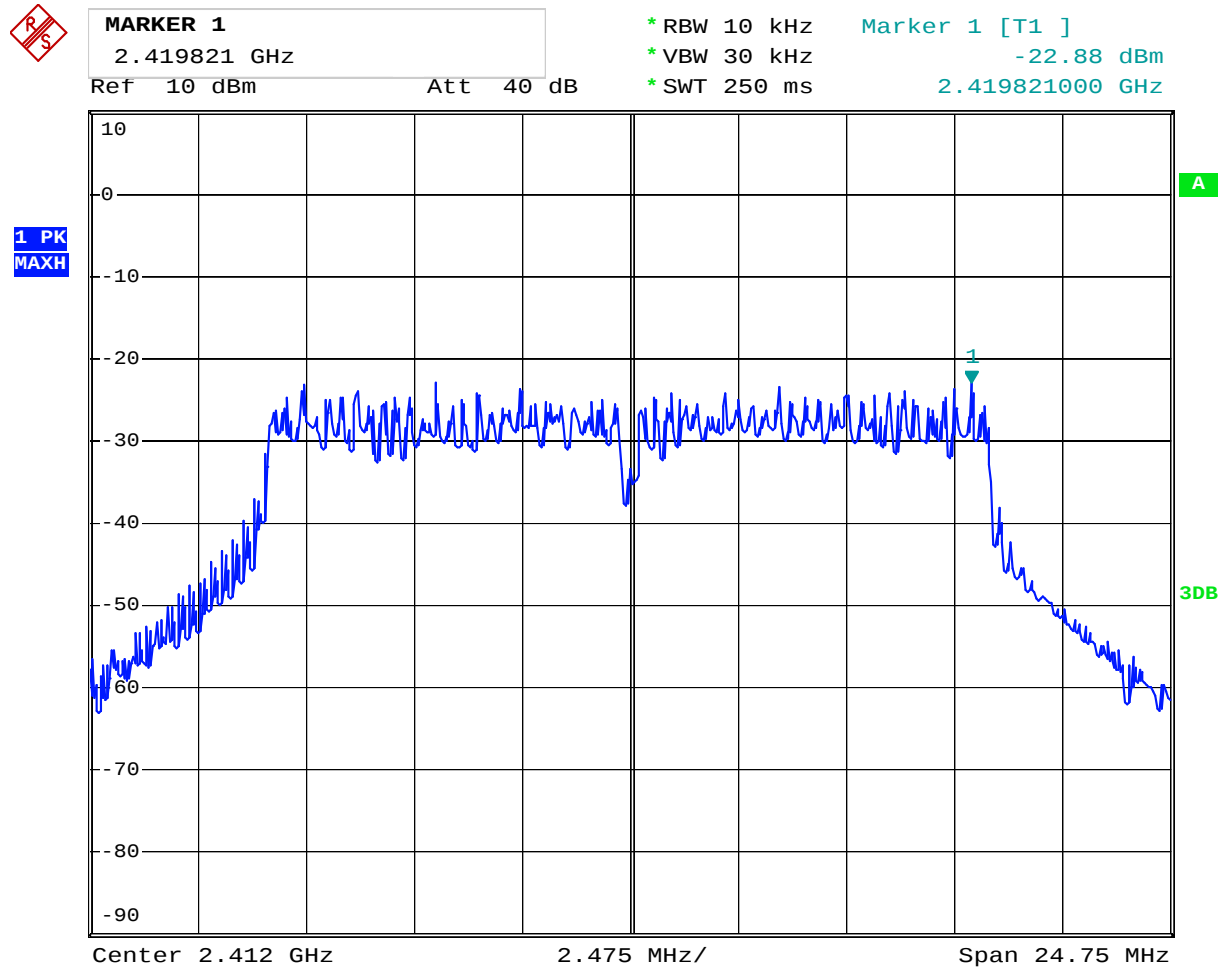


Date: 3.JUN.2014 16:10:59

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertizing. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the Shenzhen Timeway Technology Consulting co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



7. 802.11g at 54Mbps of CH1

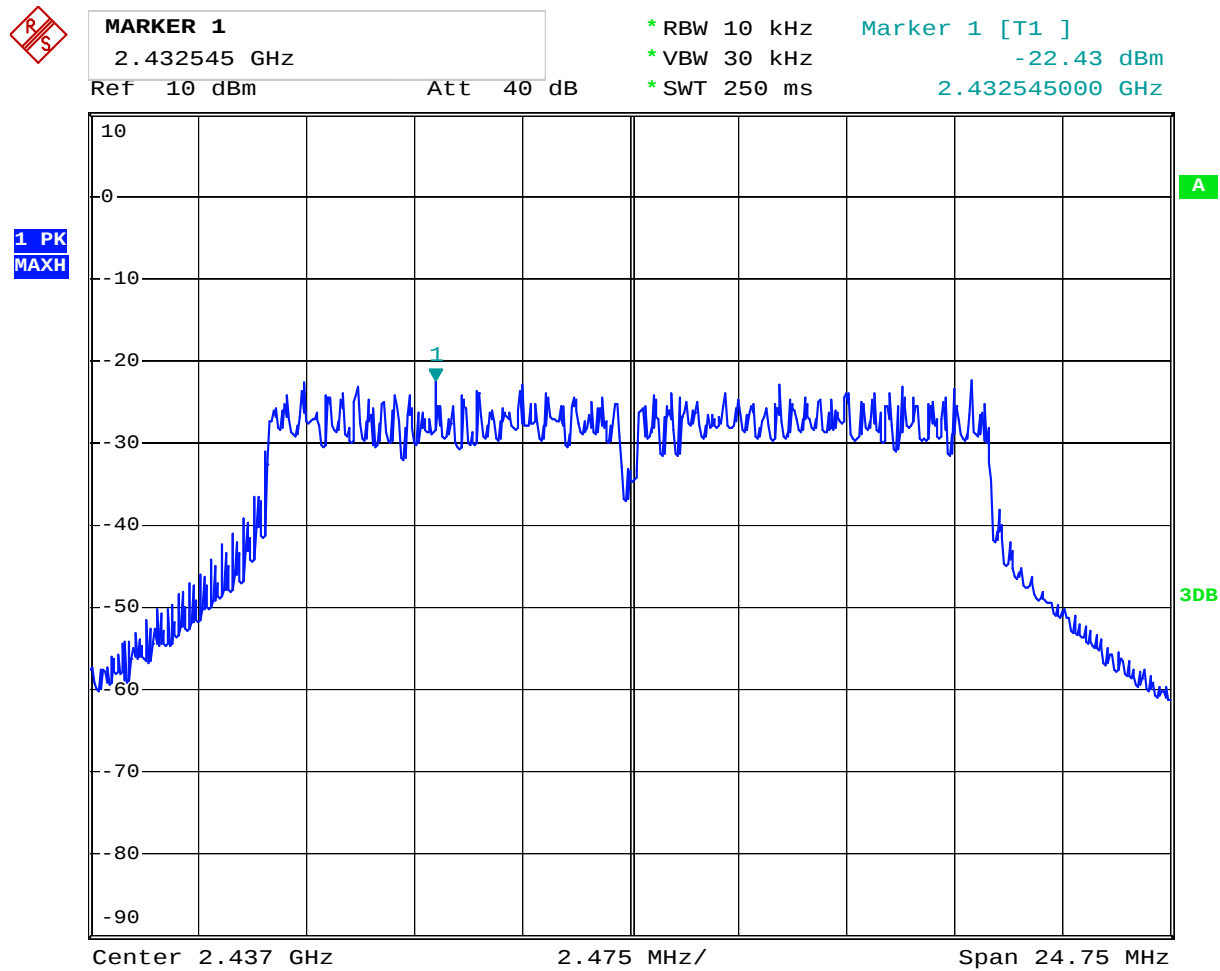


Date: 3.JUN.2014 16:00:58

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



8. 802.11g at 54Mbps of CH6

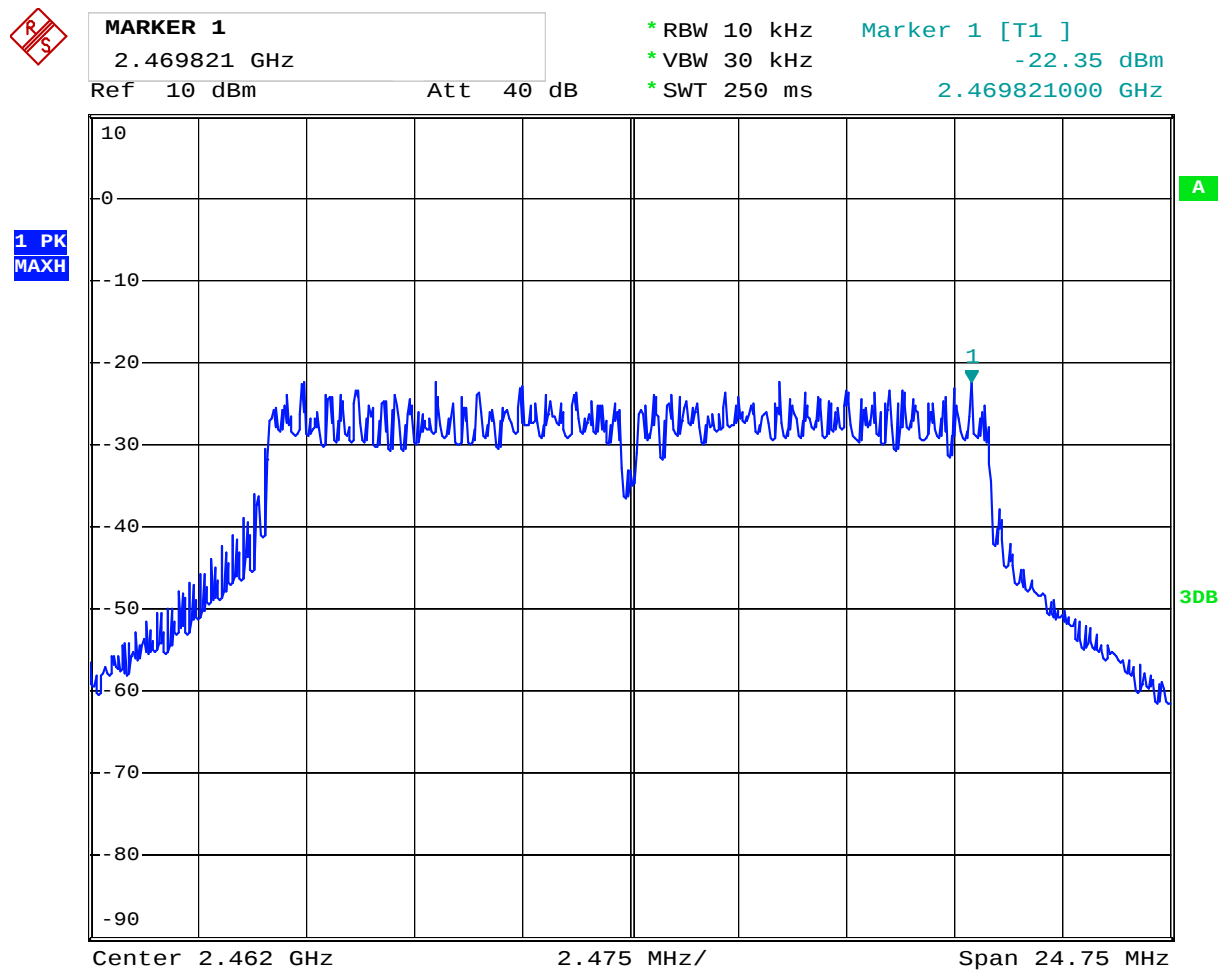


Date: 3.JUN.2014 16:03:17

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertizing. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the Shenzhen Timeway Technology Consulting co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



9. 802.11g at 54Mbps of CH11

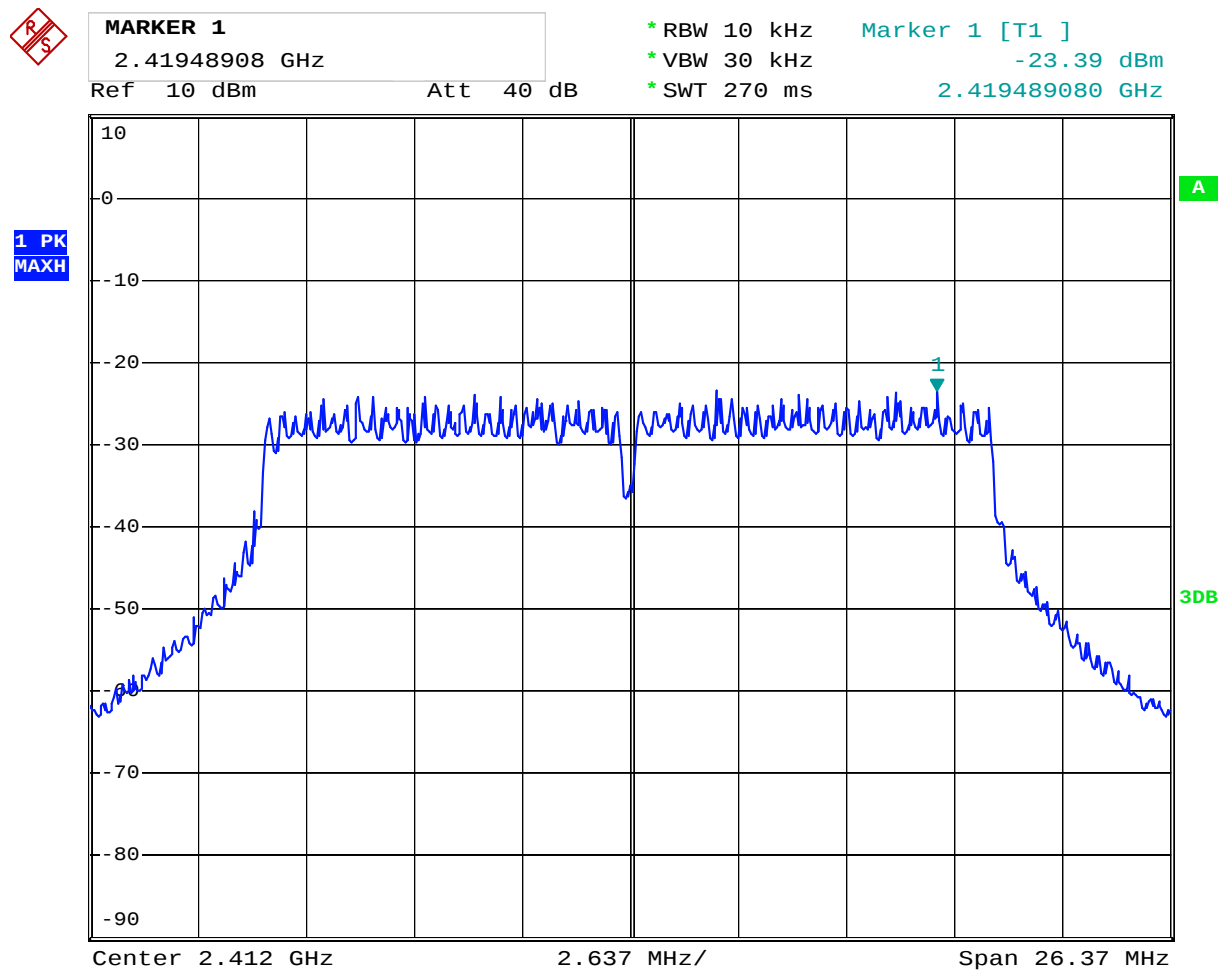


Date: 3.JUN.2014 16:04:47

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



10. 802.11n at HT20 of CH01

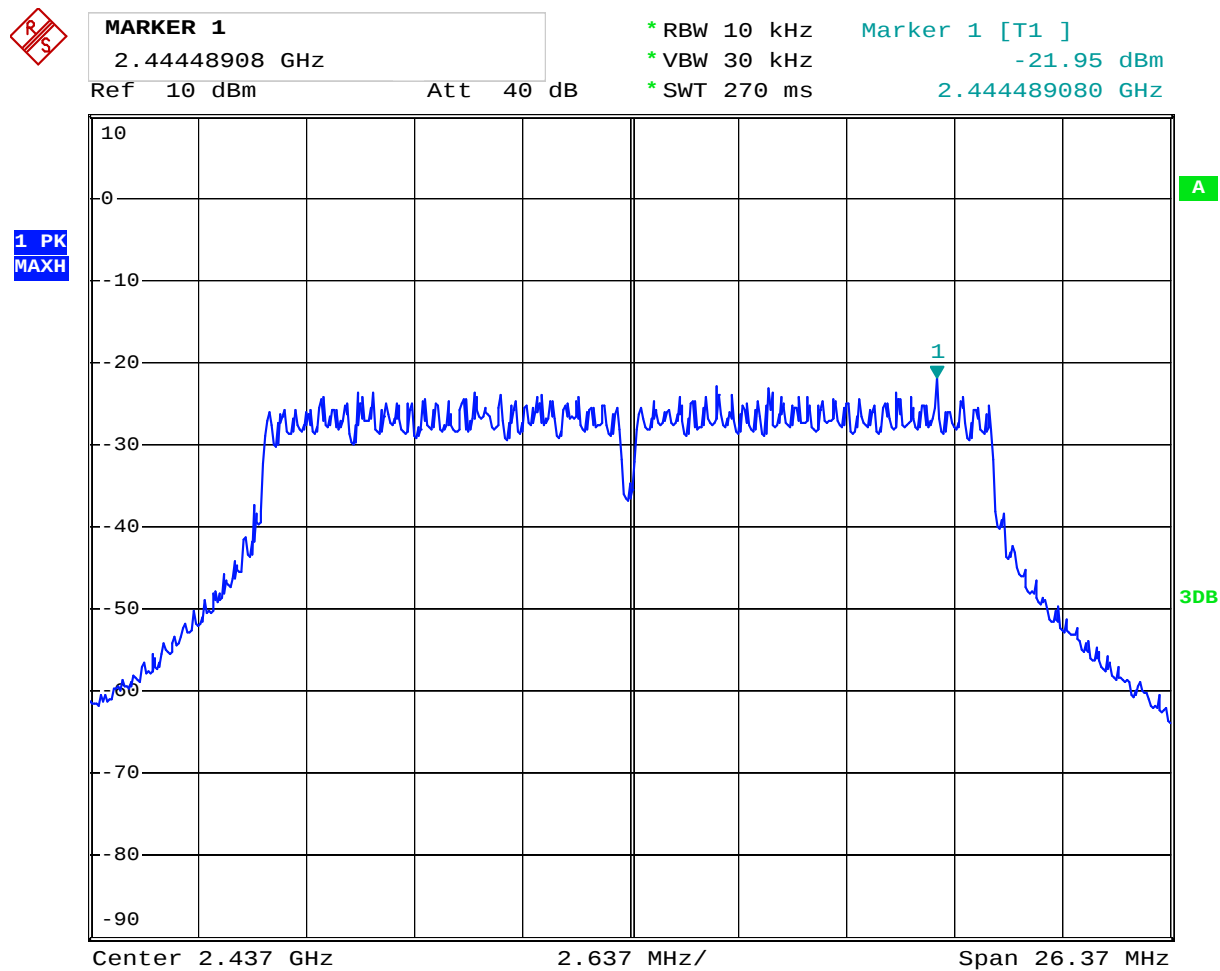


Date: 3.JUN.2014 16:18:53

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertizing. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the Shenzhen Timeway Technology Consulting co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



11. 802.11n at HT20 of CH06

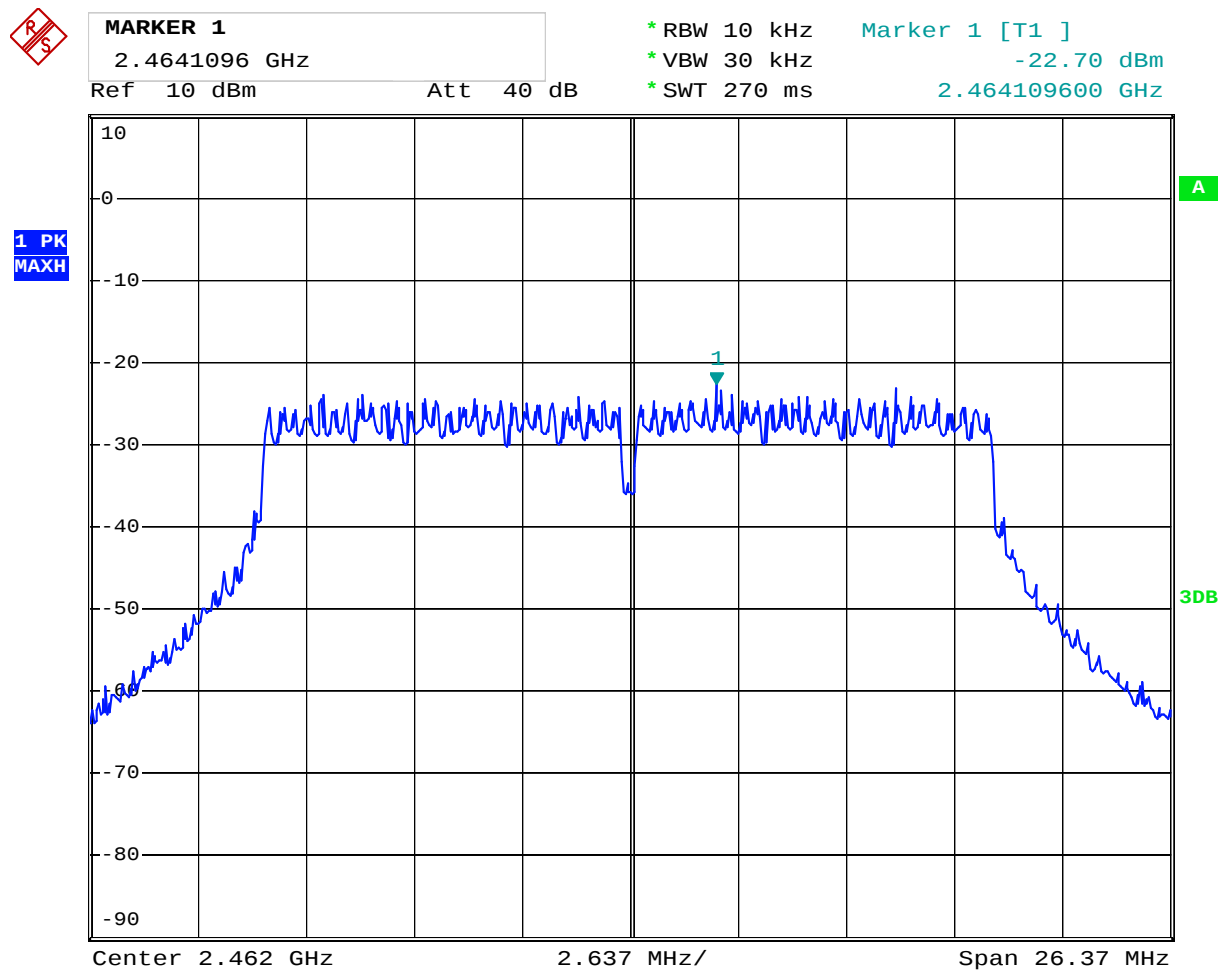


Date: 3.JUN.2014 16:14:45

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertizing. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the Shenzhen Timeway Technology Consulting co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



12. 802.11n at HT20 of CH11

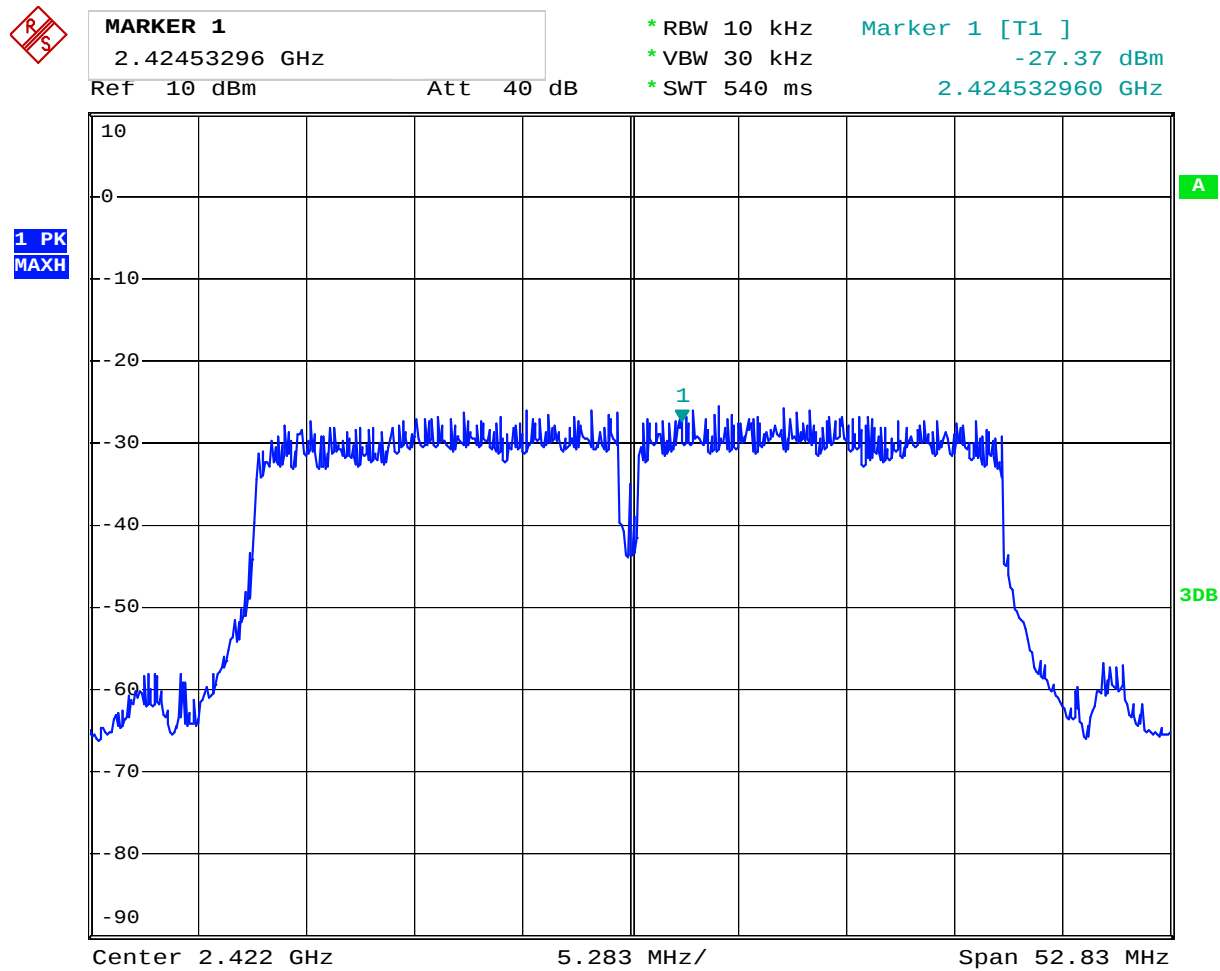


Date: 3.JUN.2014 16:17:55

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



13. 802.11n at HT40 of CH01

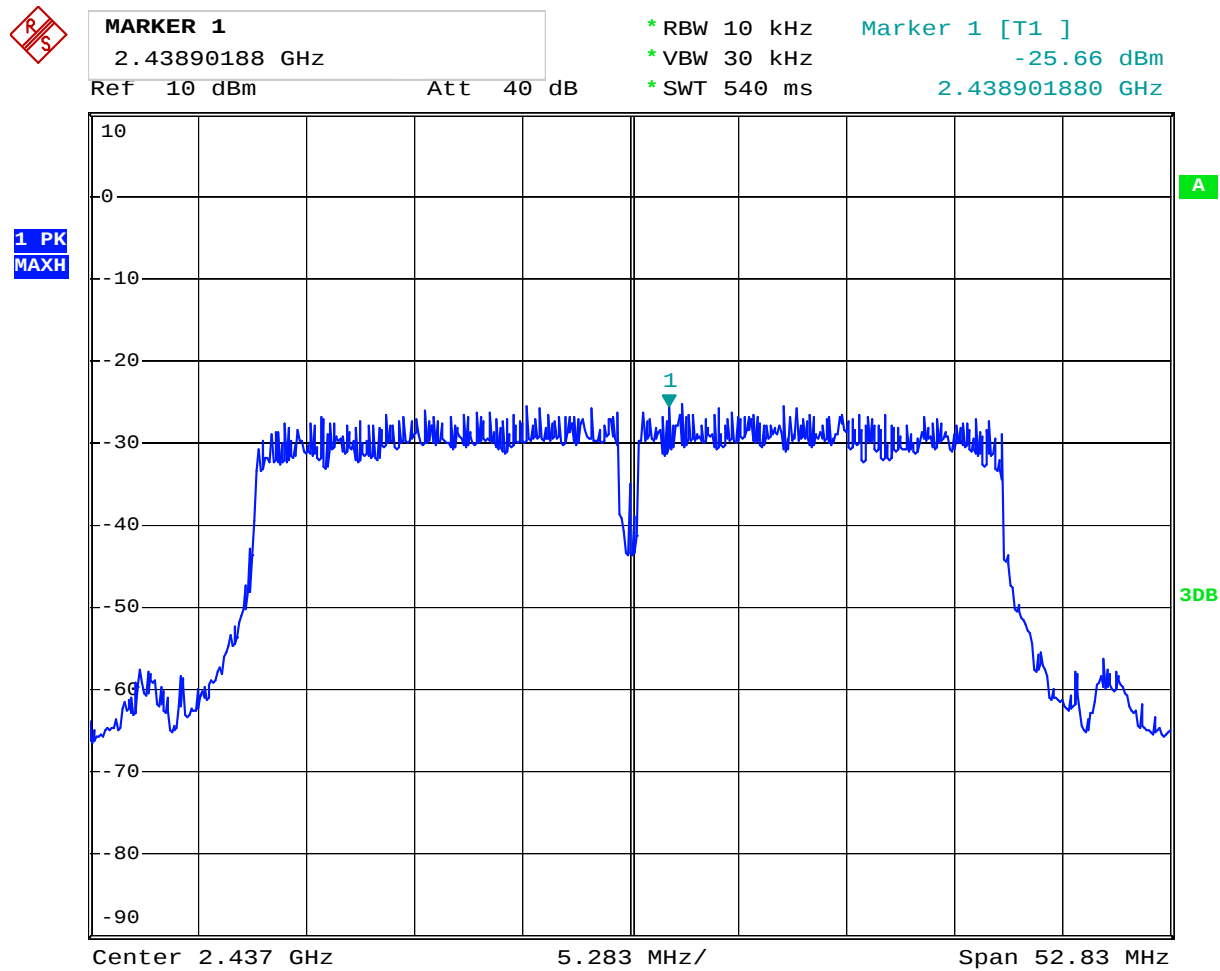


Date: 3. JUN. 2014 16:23:40

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



14. 802.11n at HT40 of CH04

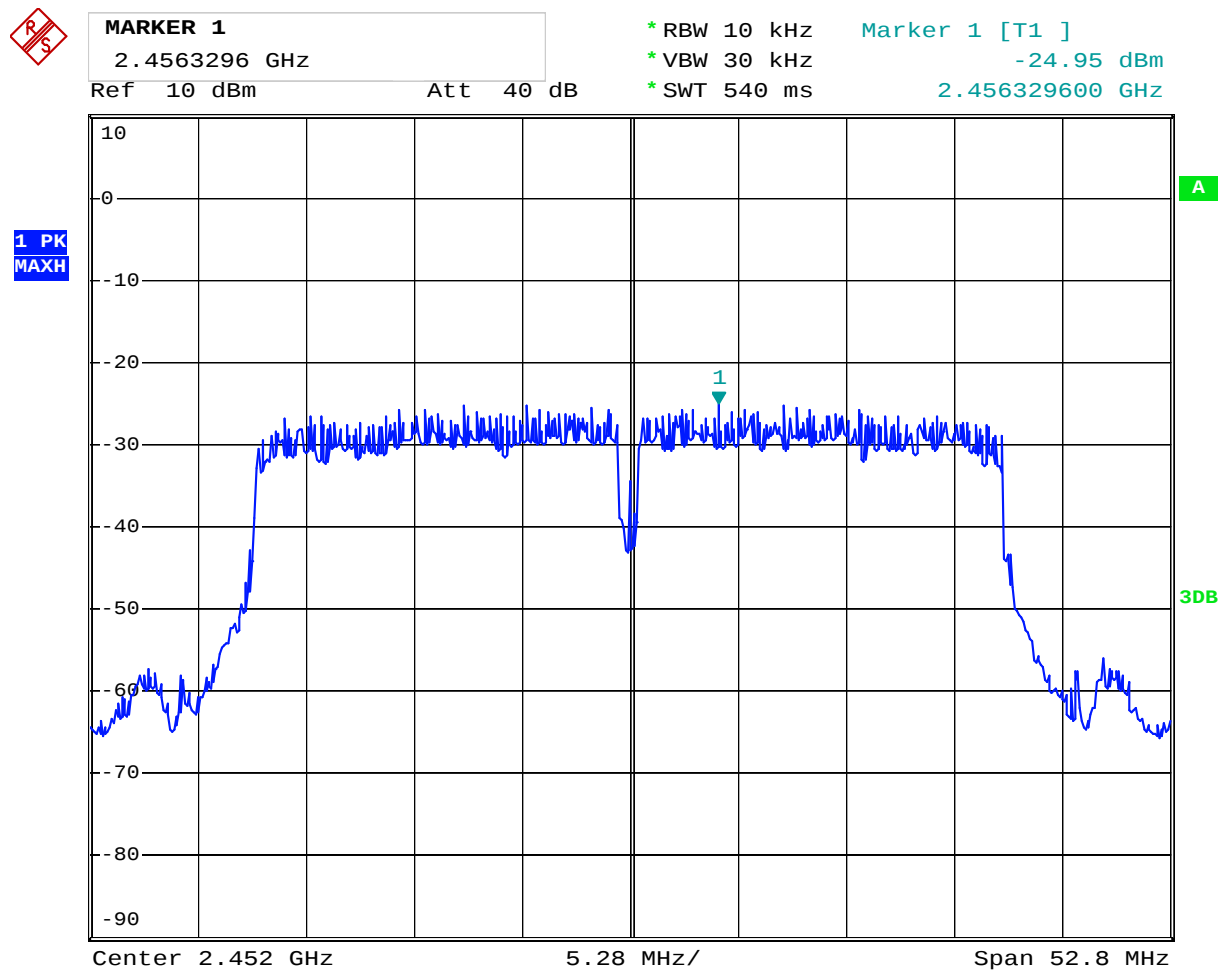


Date: 3. JUN. 2014 16:25:21

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



15. 802.11n at HT40 of CH07

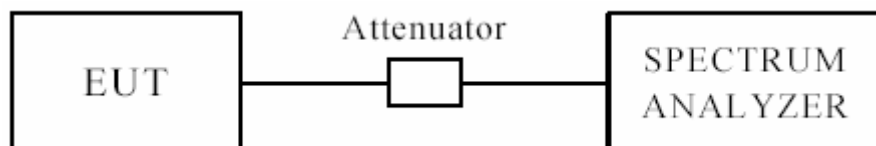


Date: 3.JUN.2014 16:28:01

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

## 10 Out of Band Measurement

### 10.1 Test Setup for band edge



**The restricted band requirement based on radiated emission test; please see the clause 6 for the test setup**

### 10.2 Limits of Out of Band Emissions Measurement

1. Below  $-20\text{dB}$  of the highest emission level of operating band (in 100kHz Resolution Bandwidth).
2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

### 10.3 Test Procedure

For signals in the restricted bands above and below the 2.4-2.483GHz allocated band a measurement was made of radiated emission test.( Peak values with RBW=VBW=1MHz and PK detector. AV value with RBW=1MHz, VBW=10Hz and PK detector)

For bandage test, the spectrum set as follows: RBW=VBW=100 kHz. A conducted measurement used

### 10.4 Test Result

Please see next pages

Note: 1. this is a handheld device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), after pre-test. It was found that the worse radiated emission was get at the lying position. the worse case was recorded

2. For band-edge measurement, the frequency from 30MHz-25GHz was tested. And It met the FCC rule.

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the Shenzhen Timeway Technology Consulting co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

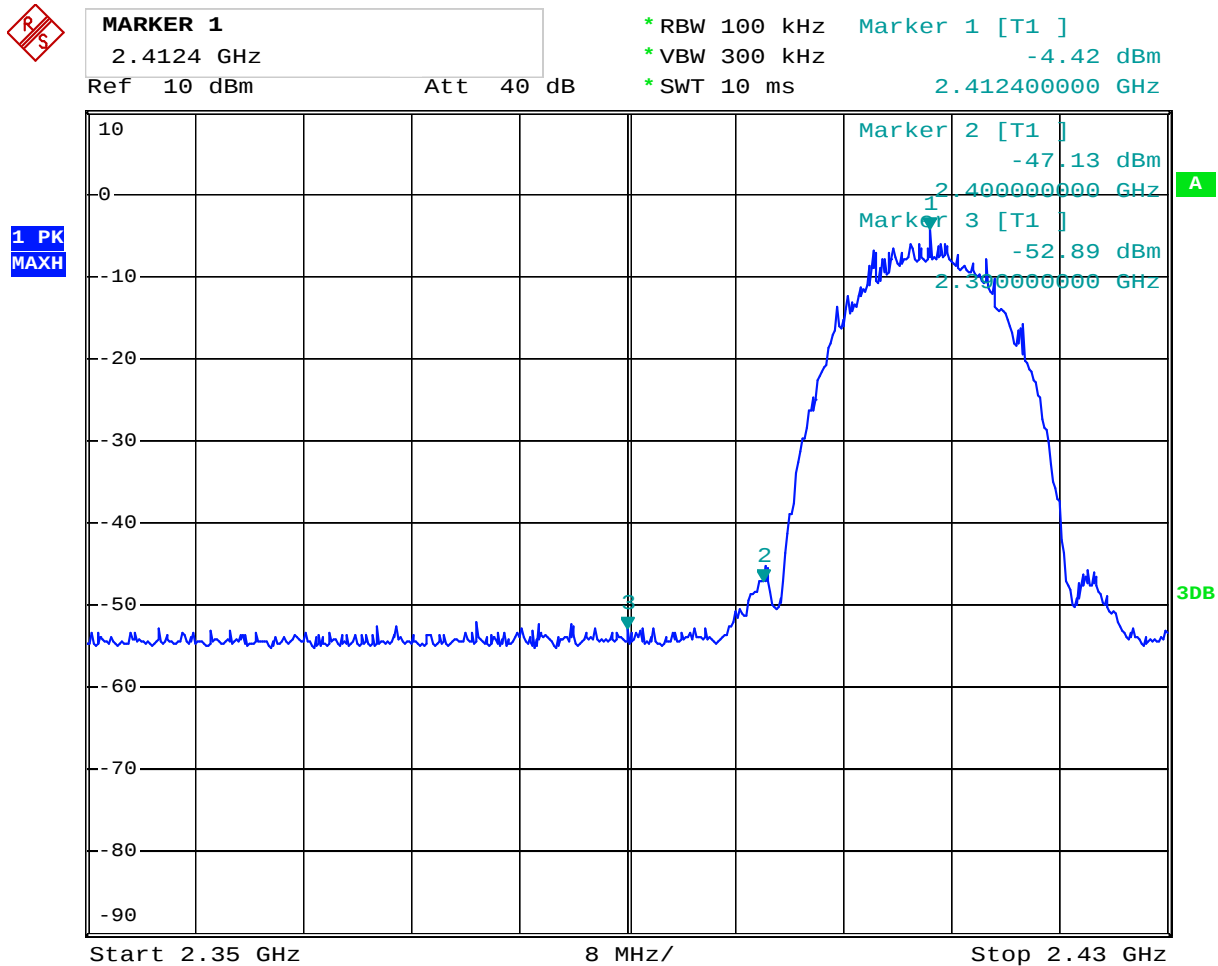


For 802.11b mode  
CH01 at 11Mbps

10.4 Band-edge and Restricted band Measurement

|              |                      |       |               |            |
|--------------|----------------------|-------|---------------|------------|
| EUT          | MID                  |       | Model         | TD75C2     |
| Mode         | Keeping Transmitting |       | Input Voltage | AC 120V    |
| Temperature  | 24 deg. C,           |       | Humidity      | 56% RH     |
| Test Result: | Pass                 |       | Detector      | PK         |
| 2400         | PK (dBμV/m)          | 45.51 | Limit         | 74(dBμV/m) |
|              | AV (dBμV/m)          | --    |               | 54(dBμV/m) |
| 2390         | PK (dBμV/m)          | 36.32 | Limit         | 74(dBμV/m) |
|              | AV (dBμV/m)          | --    |               | 54(dBμV/m) |

Test Figure:



Date: 3 JUN. 2014 16:45:14

Note: The Max. FS in Restrict Band are measured in conventional method.

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

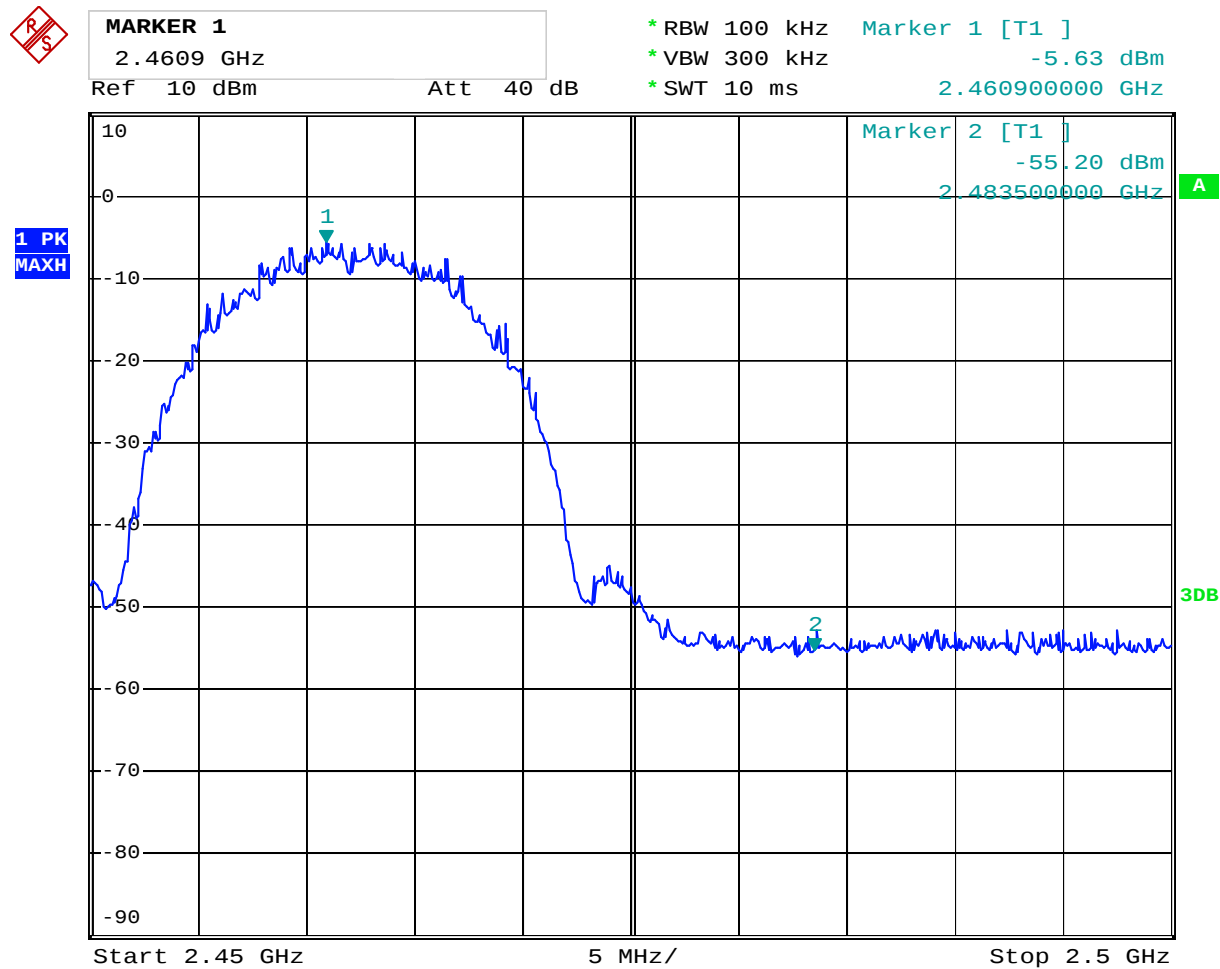


CH11 at 11Mbps

10.4 Band-edge and Restricted band Measurement

|              |                      |       |               |            |
|--------------|----------------------|-------|---------------|------------|
| EUT          | MID                  |       | Model         | TD75C2     |
| Mode         | Keeping Transmitting |       | Input Voltage | AC 120V    |
| Temperature  | 24 deg. C,           |       | Humidity      | 56% RH     |
| Test Result: | Pass                 |       | Detector      | PK         |
| 2483.5       | PK (dBμV/m)          | 42.58 | Limit         | 74(dBμV/m) |
|              | AV (dBμV/m)          | --    |               | 54(dBμV/m) |

Test Figure:



Date: 3. JUN. 2014 16:53:35

Note: The Max. FS in Restrict Band are measured in conventional method.

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

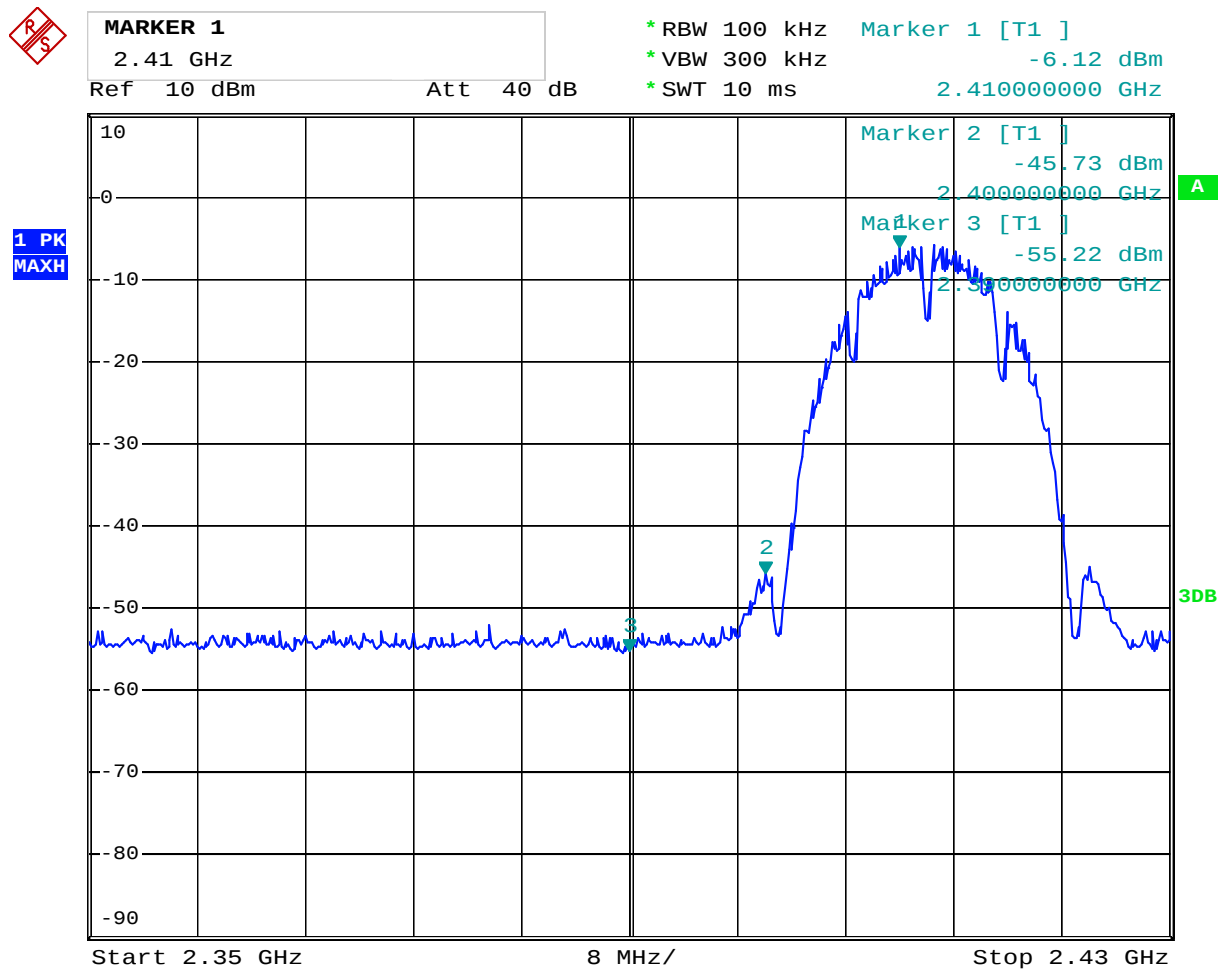


For 802.11b mode  
CH01 at 1Mbps

10.4 Band-edge and Restricted band Measurement

|              |                      |       |               |            |
|--------------|----------------------|-------|---------------|------------|
| EUT          | MID                  |       | Model         | TD75C2     |
| Mode         | Keeping Transmitting |       | Input Voltage | AC 120V    |
| Temperature  | 24 deg. C,           |       | Humidity      | 56% RH     |
| Test Result: | Pass                 |       | Detector      | PK         |
| 2400         | PK (dBμV/m)          | 44.16 | Limit         | 74(dBμV/m) |
|              | AV (dBμV/m)          | --    |               | 54(dBμV/m) |
| 2390         | PK (dBμV/m)          | 37.09 | Limit         | 74(dBμV/m) |
|              | AV (dBμV/m)          | --    |               | 54(dBμV/m) |

Test Figure:



Date: 3 JUN. 2014 16:44:05

Note: The Max. FS in Restrict Band are measured in conventional method.

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

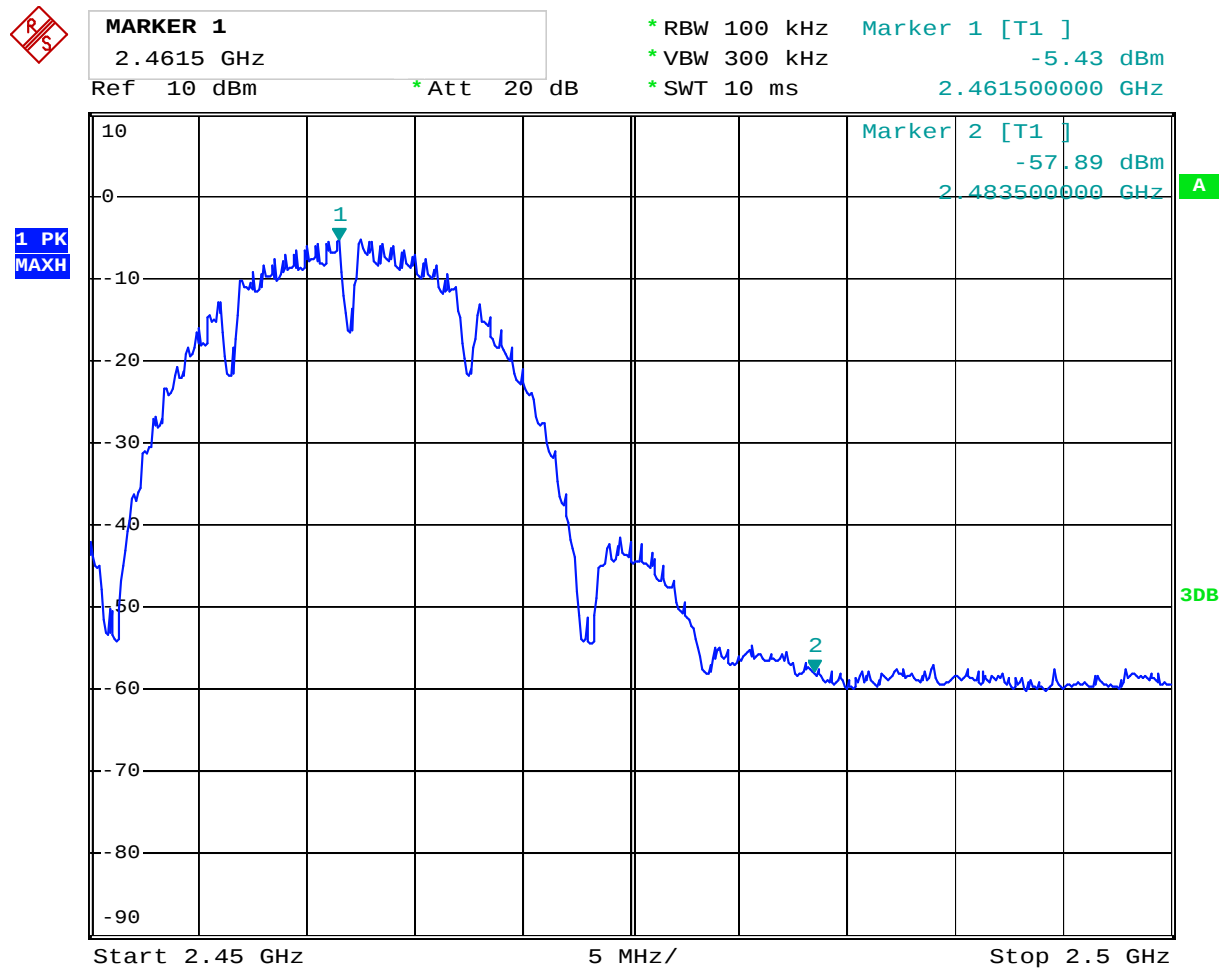


CH11 at 1Mbps

10.4 Band-edge and Restricted band Measurement

|              |                      |       |               |            |
|--------------|----------------------|-------|---------------|------------|
| EUT          | MID                  |       | Model         | TD75C2     |
| Mode         | Keeping Transmitting |       | Input Voltage | AC 120V    |
| Temperature  | 24 deg. C,           |       | Humidity      | 56% RH     |
| Test Result: | Pass                 |       | Detector      | PK         |
| 2483.5       | PK (dBμV/m)          | 42.66 | Limit         | 74(dBμV/m) |
|              | AV (dBμV/m)          | --    |               | 54(dBμV/m) |

Test Figure:



Date: 12. JUN. 2014 10:51:28

Note: The Max. FS in Restrict Band are measured in conventional method.

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

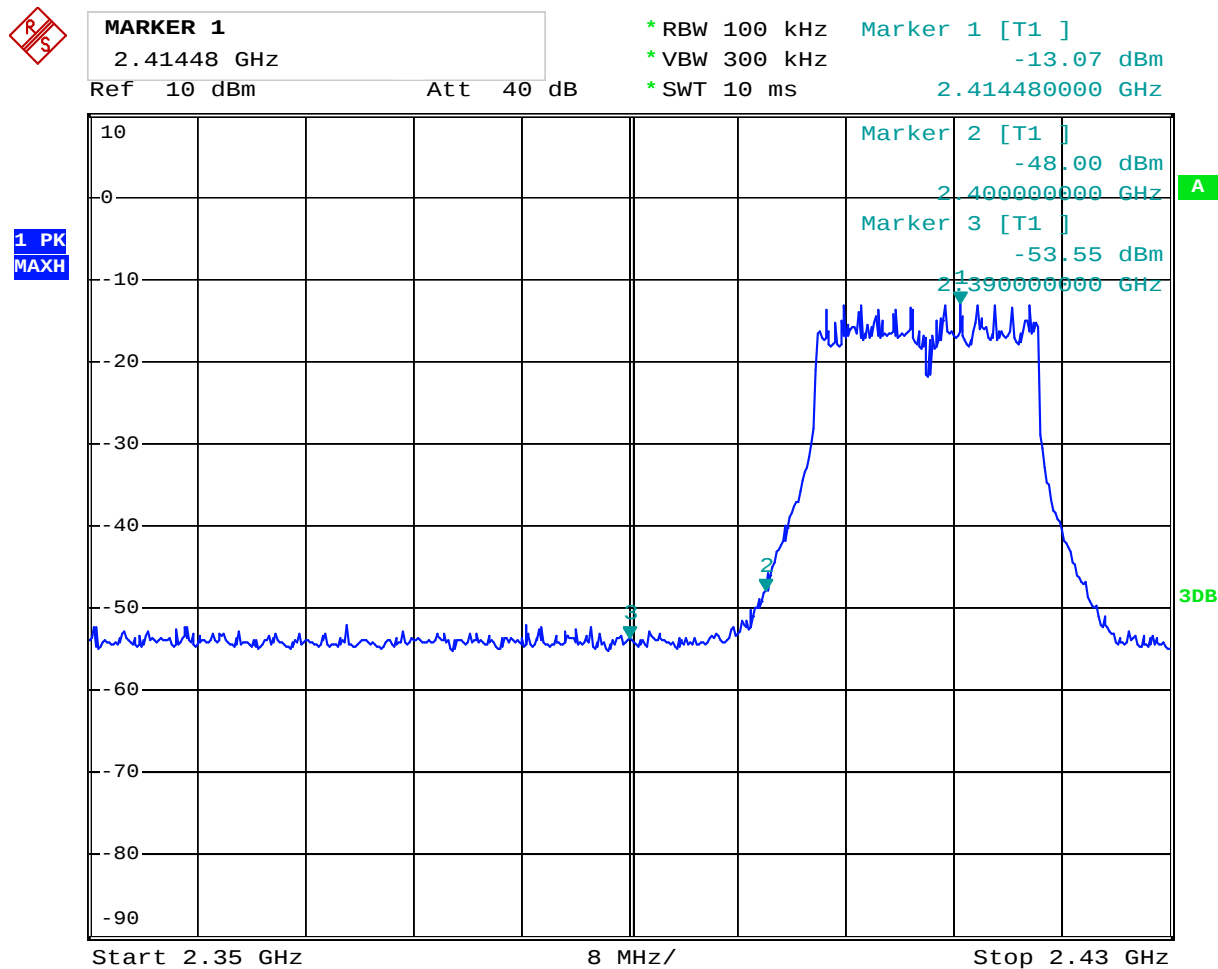


For 802.11g mode  
CH01 at 54Mbps

10.4 Band-edge and Restricted band Measurement

|              |                      |       |               |            |
|--------------|----------------------|-------|---------------|------------|
| EUT          | MID                  |       | Model         | TD75C2     |
| Mode         | Keeping Transmitting |       | Input Voltage | AC 120V    |
| Temperature  | 24 deg. C,           |       | Humidity      | 56% RH     |
| Test Result: | Pass                 |       | Detector      | PK         |
| 2400         | PK (dBμV/m)          | 46.06 | Limit         | 74(dBμV/m) |
|              | AV (dBμV/m)          | --    |               | 54(dBμV/m) |
| 2390         | PK (dBμV/m)          | 38.12 | Limit         | 74(dBμV/m) |
|              | AV (dBμV/m)          | --    |               | 54(dBμV/m) |

Test Figure:



Date: 3.JUN.2014 16:46:44

Note: The Max. FS in Restrict Band are measured in conventional method.

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

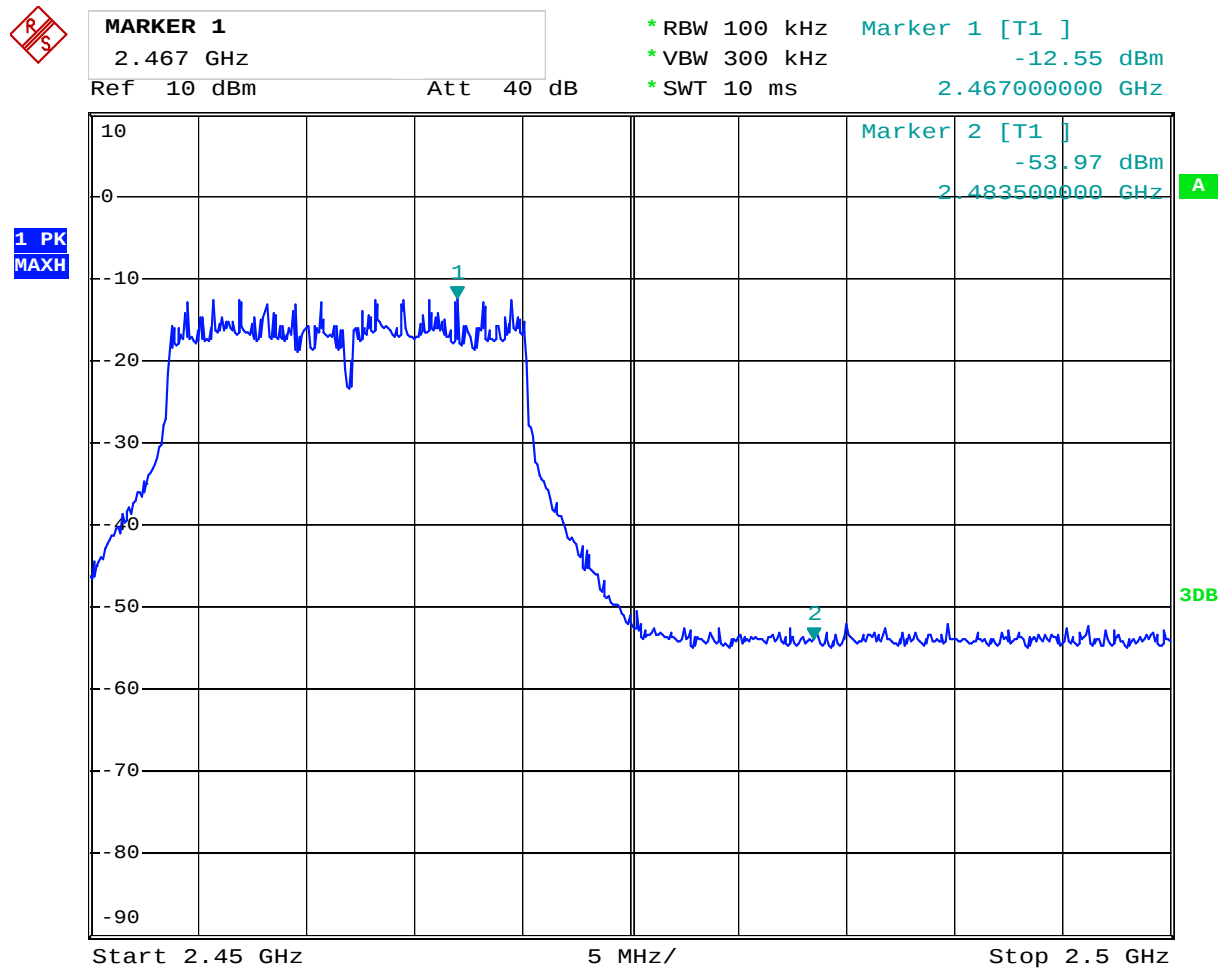


CH11 at 54Mbps

10.4 Band-edge and Restricted band Measurement

|              |                      |       |               |            |
|--------------|----------------------|-------|---------------|------------|
| EUT          | MID                  |       | Model         | TD75C2     |
| Mode         | Keeping Transmitting |       | Input Voltage | AC 120V    |
| Temperature  | 24 deg. C,           |       | Humidity      | 56% RH     |
| Test Result: | Pass                 |       | Detector      | PK         |
| 2483.5       | PK (dBμV/m)          | 45.37 | Limit         | 74(dBμV/m) |
|              | AV (dBμV/m)          | --    |               | 54(dBμV/m) |

Test Figure:



Date: 3.JUN.2014 16:55:25

Note: The Max. FS in Restrict Band are measured in conventional method.

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

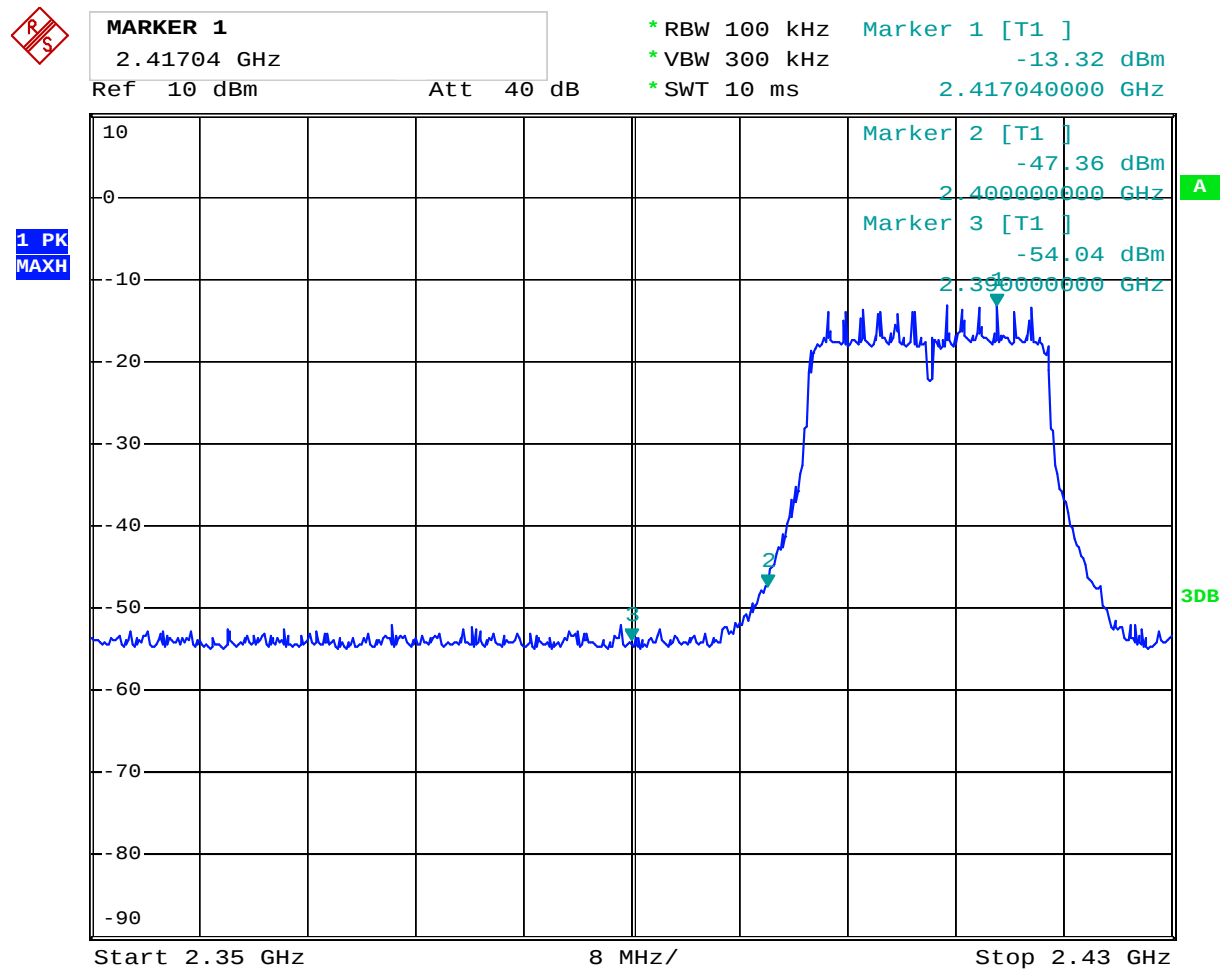


For 802.11n (HT20) mode  
CH01 at 65Mbps

10.4 Band-edge and Restricted band Measurement

|              |                      |       |               |            |
|--------------|----------------------|-------|---------------|------------|
| EUT          | MID                  |       | Model         | TD75C2     |
| Mode         | Keeping Transmitting |       | Input Voltage | AC 120V    |
| Temperature  | 24 deg. C,           |       | Humidity      | 56% RH     |
| Test Result: | Pass                 |       | Detector      | PK         |
| 2400         | PK (dBμV/m)          | 46.85 | Limit         | 74(dBμV/m) |
|              | AV (dBμV/m)          | --    |               | 54(dBμV/m) |
| 2390         | PK (dBμV/m)          | 38.25 | Limit         | 74(dBμV/m) |
|              | AV (dBμV/m)          | --    |               | 54(dBμV/m) |

Test Figure:



Date: 3.JUN.2014 16:48:07

Note: The Max. FS in Restrict Band are measured in conventional method.

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

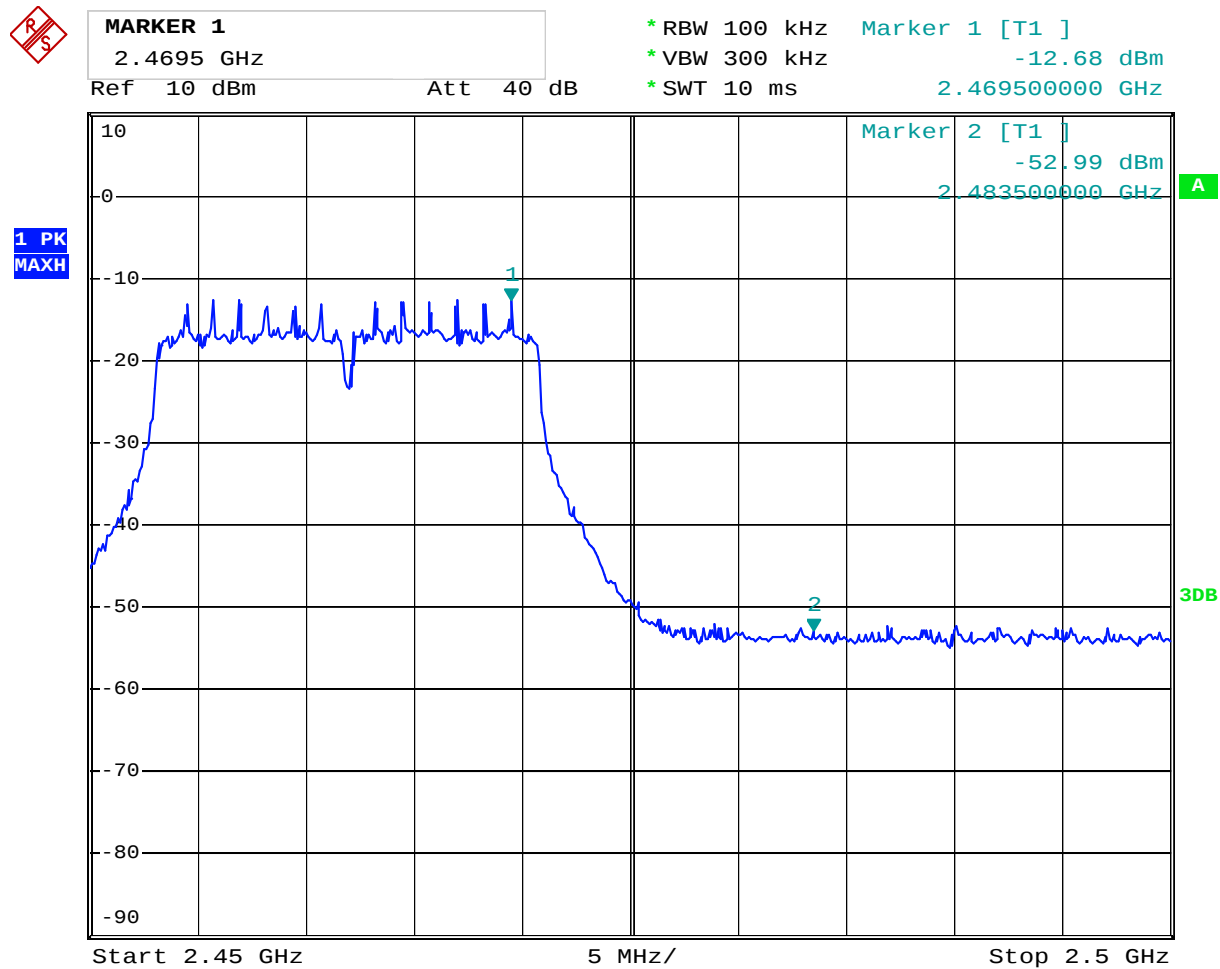


CH11 at 65Mbps

10.4 Band-edge and Restricted band Measurement

|              |                      |       |               |            |
|--------------|----------------------|-------|---------------|------------|
| EUT          | MID                  |       | Model         | TD75C2     |
| Mode         | Keeping Transmitting |       | Input Voltage | AC 120V    |
| Temperature  | 24 deg. C,           |       | Humidity      | 56% RH     |
| Test Result: | Pass                 |       | Detector      | PK         |
| 2483.5       | PK (dBμV/m)          | 45.01 | Limit         | 74(dBμV/m) |
|              | AV (dBμV/m)          | --    |               | 54(dBμV/m) |

Test Figure:



Date: 3.JUN.2014 16:58:02

Note: The Max. FS in Restrict Band are measured in conventional method.

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

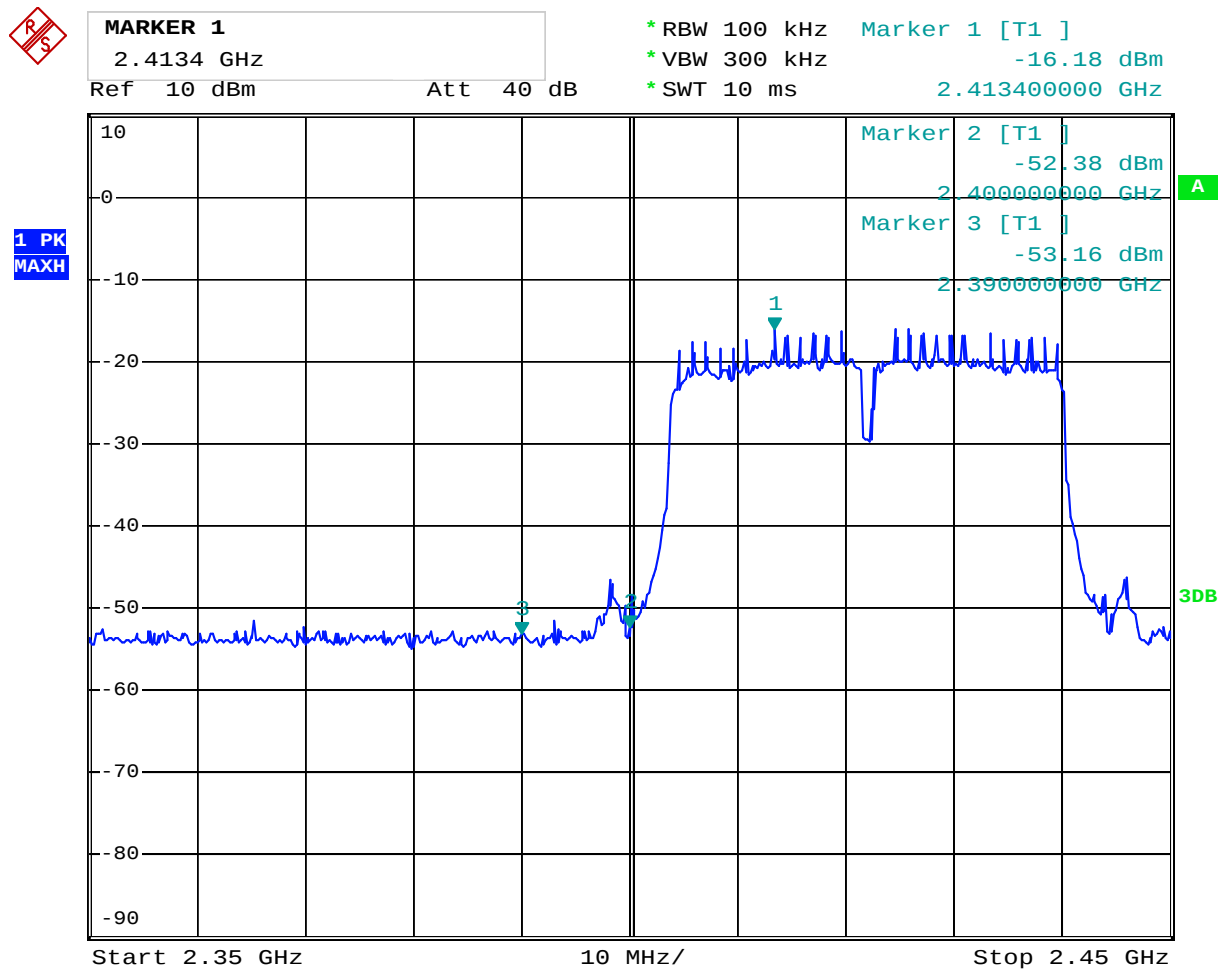


For 802.11n (HT40) mode  
CH01 at 65Mbps

10.4 Band-edge and Restricted band Measurement

|              |                      |       |               |            |
|--------------|----------------------|-------|---------------|------------|
| EUT          | MID                  |       | Model         | TD75C2     |
| Mode         | Keeping Transmitting |       | Input Voltage | AC 120V    |
| Temperature  | 24 deg. C,           |       | Humidity      | 56% RH     |
| Test Result: | Pass                 |       | Detector      | PK         |
| 2400         | PK (dBμV/m)          | 42.14 | Limit         | 74(dBμV/m) |
|              | AV (dBμV/m)          | --    |               | 54(dBμV/m) |
| 2390         | PK (dBμV/m)          | 36.21 | Limit         | 74(dBμV/m) |
|              | AV (dBμV/m)          | --    |               | 54(dBμV/m) |

Test Figure:



Date: 3.JUN.2014 16:50:45

Note: The Max. FS in Restrict Band are measured in conventional method.

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the Shenzhen Timeway Technology Consulting co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

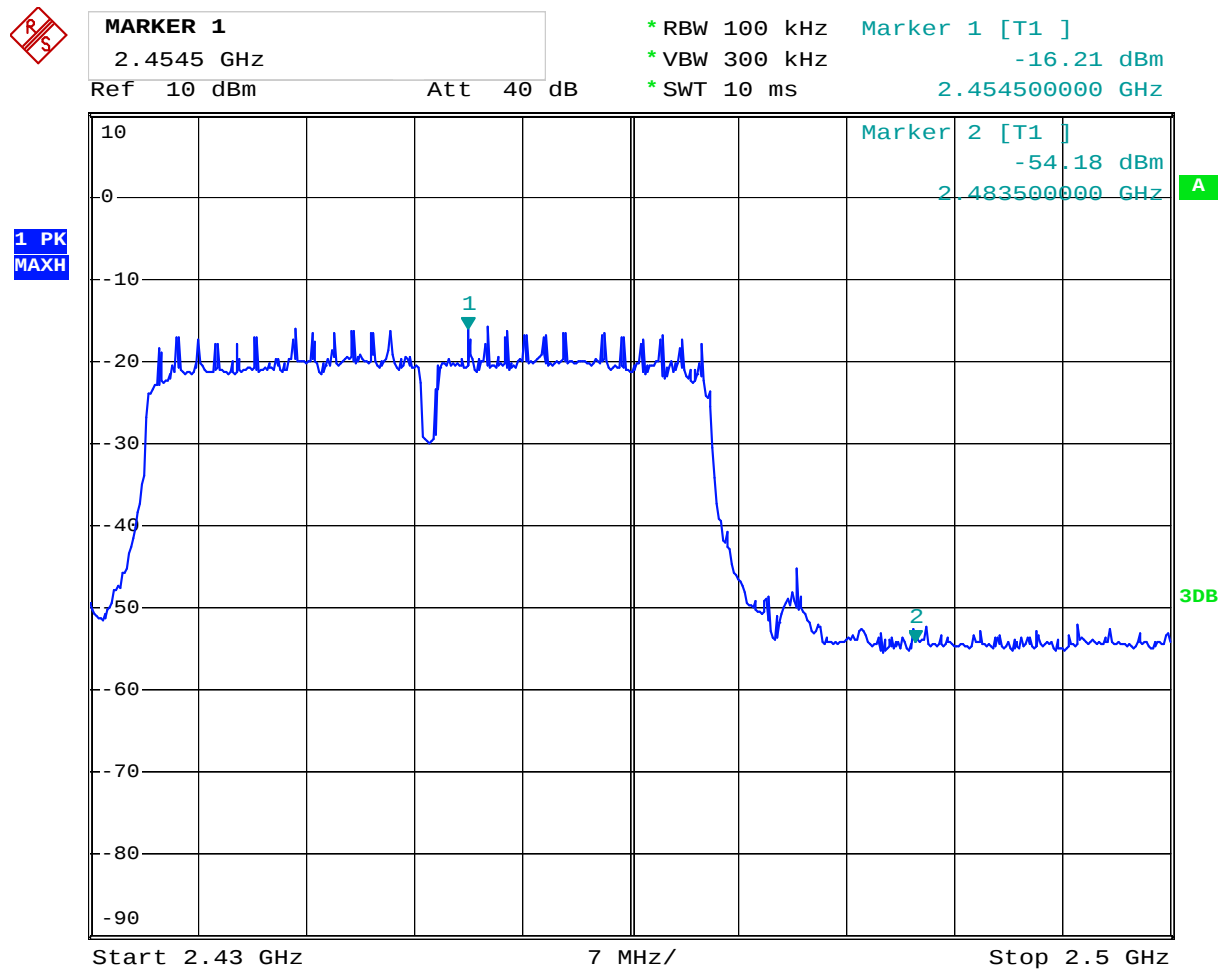


CH7 at 65Mbps

10.4 Band-edge and Restricted band Measurement

|              |                      |       |               |            |
|--------------|----------------------|-------|---------------|------------|
| EUT          | MID                  |       | Model         | TD75C2     |
| Mode         | Keeping Transmitting |       | Input Voltage | AC 120V    |
| Temperature  | 24 deg. C,           |       | Humidity      | 56% RH     |
| Test Result: | Pass                 |       | Detector      | PK         |
| 2483.5       | PK (dBμV/m)          | 43.87 | Limit         | 74(dBμV/m) |
|              | AV (dBμV/m)          | --    |               | 54(dBμV/m) |

Test Figure:



Date: 3. JUN. 2014 16:59:30

Note: The Max. FS in Restrict Band are measured in conventional method.

The report refers only to the sample tested and does not apply to the bulk.  
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.  
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



## **11.0 Antenna Requirement**

### **11.1 Standard Applicable**

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247 (b), if transmitter antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### **11.2 Antenna Connected construction**

Integral Antenna used. The maximum Gain of the antennas is 2.0dBi.

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer, supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client, enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, the Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

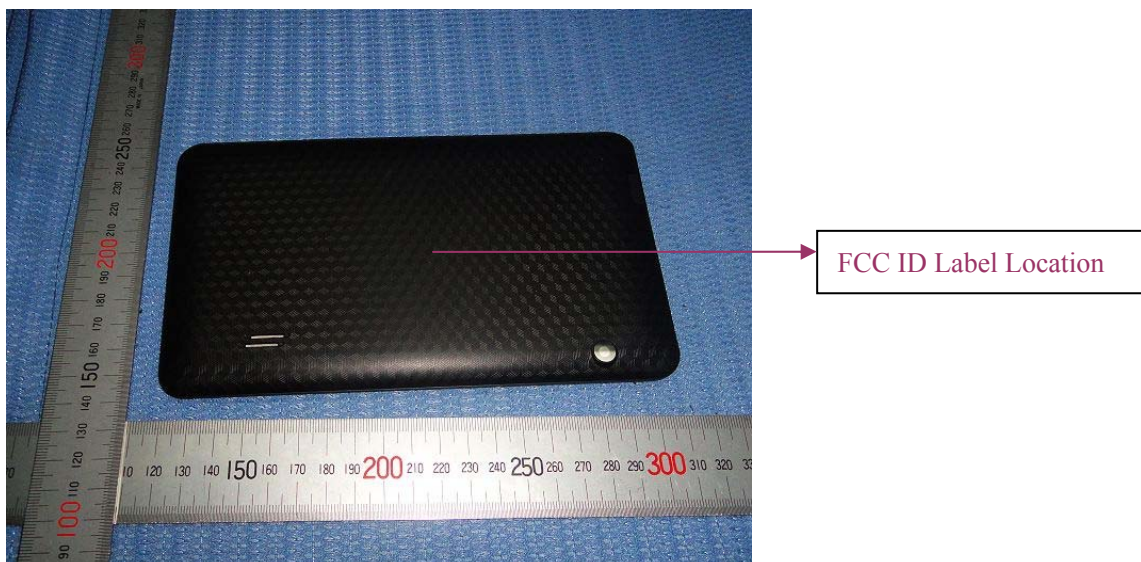
## 12.0 FCC ID Label

**FCC ID: 2ABDT-TD75C2**

**This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.**

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

### Mark Location:



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

### 13.0 Photo of testing

Conducted Emission Test Setup:



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Radiated Emission Test Setup:



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer, supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client, enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, the Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

## Photographs – EUT

Outside view



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer, supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client, enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, the Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Outside view



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer, supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client, enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, the Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Outside view



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer, supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Outside view

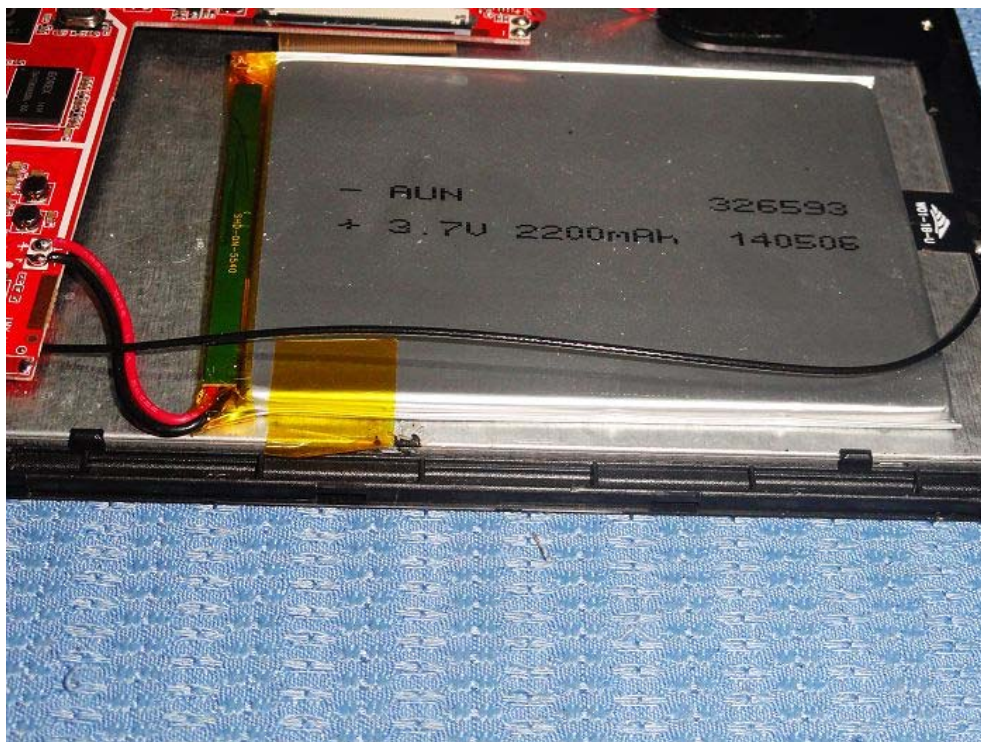


The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Inside view

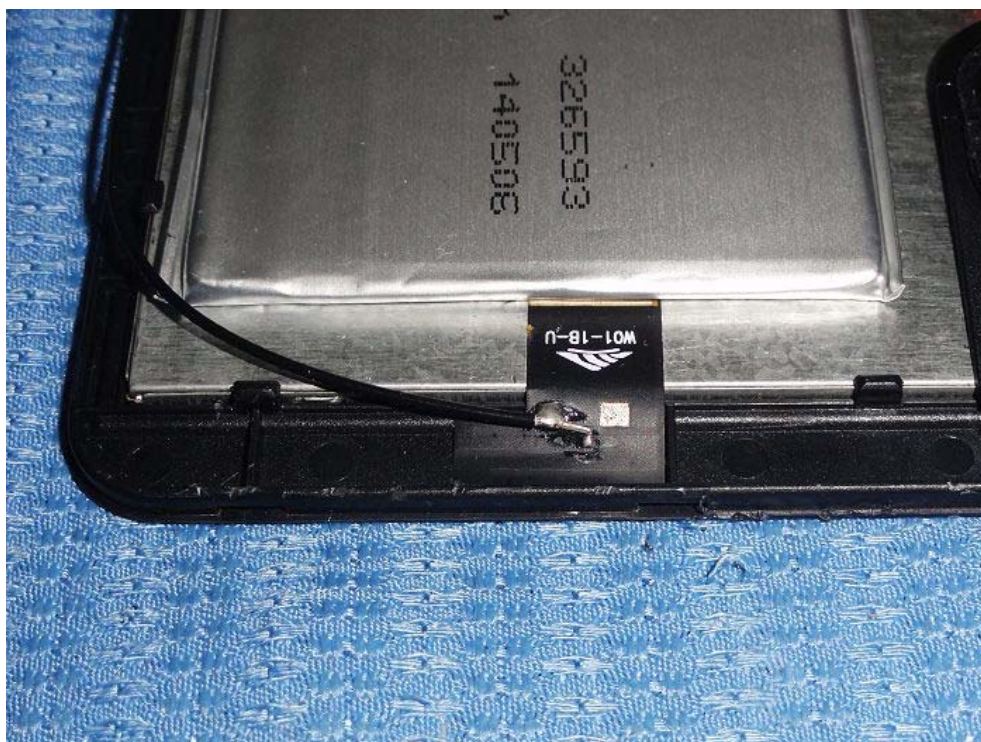


The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer, supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client, enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, the Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Inside view

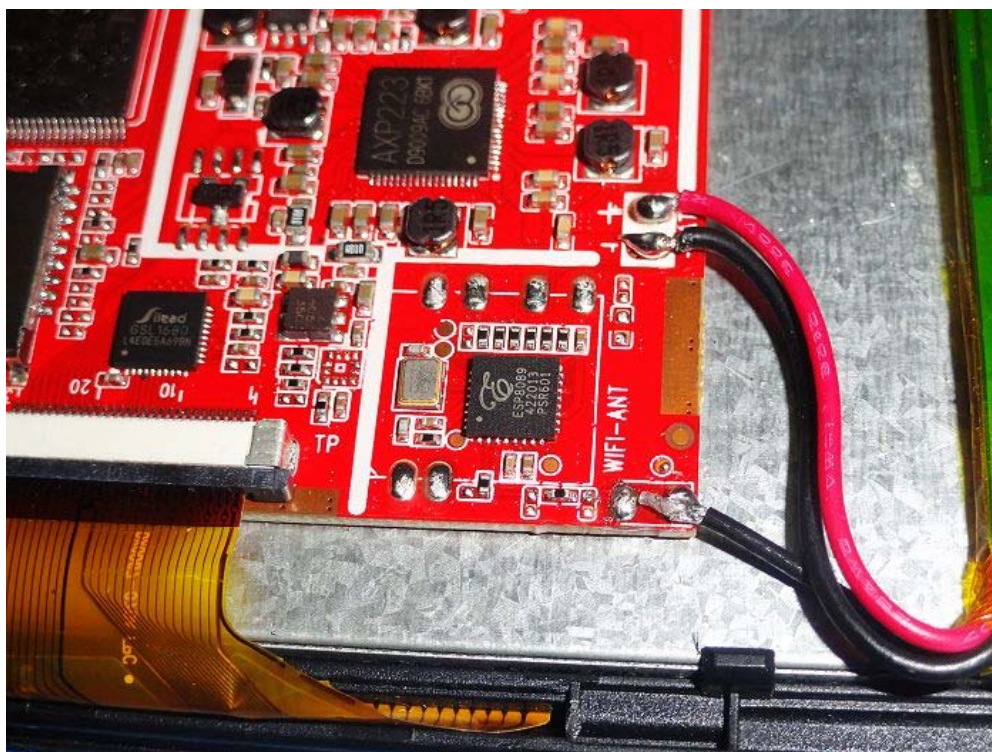
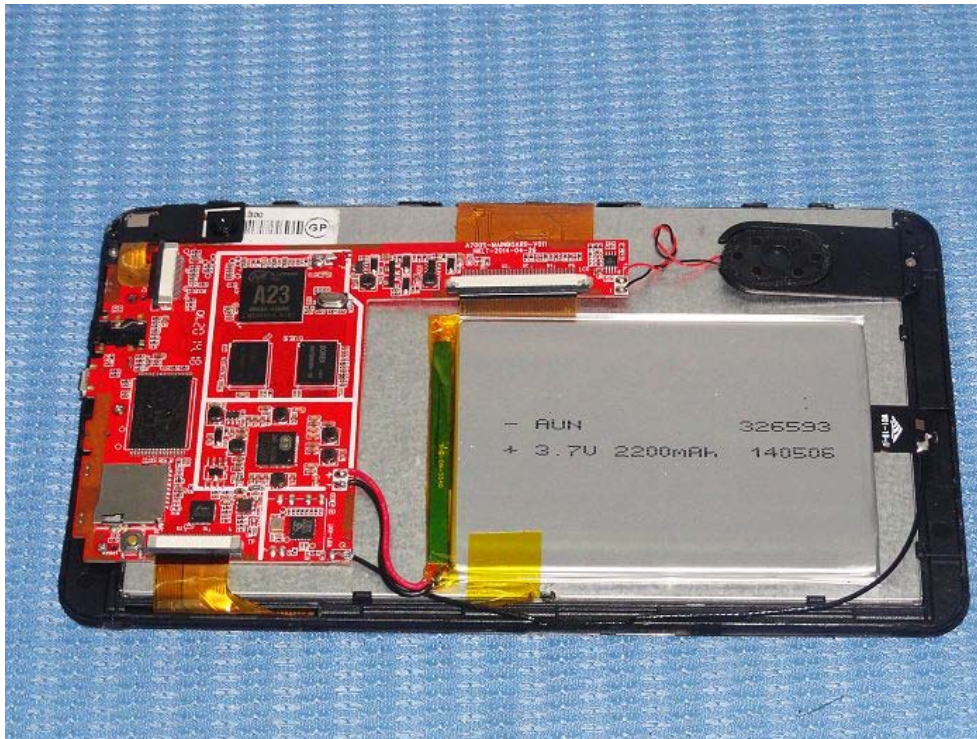


The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, The Shenzhen Timeway Technology Consulting Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Inside view

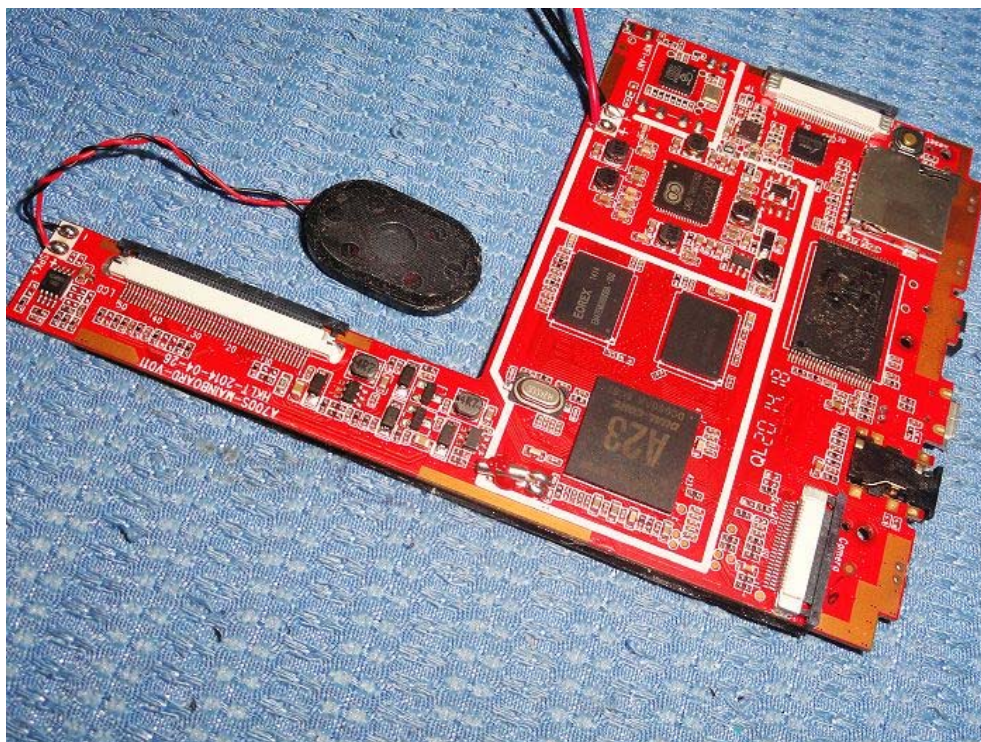
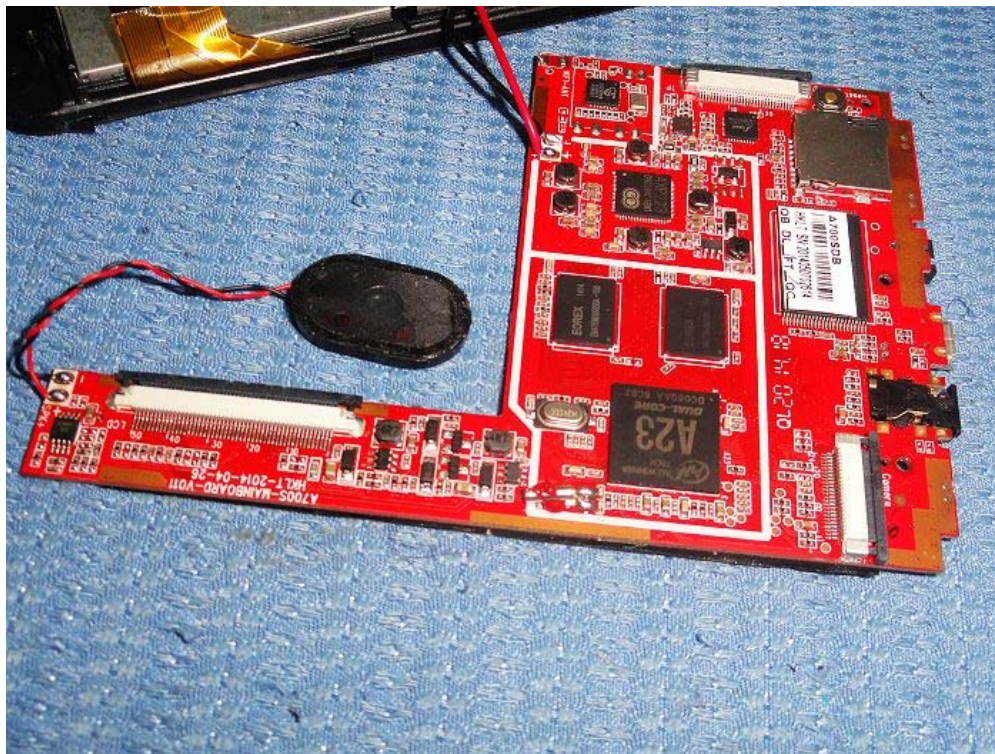


The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer. Supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Inside view

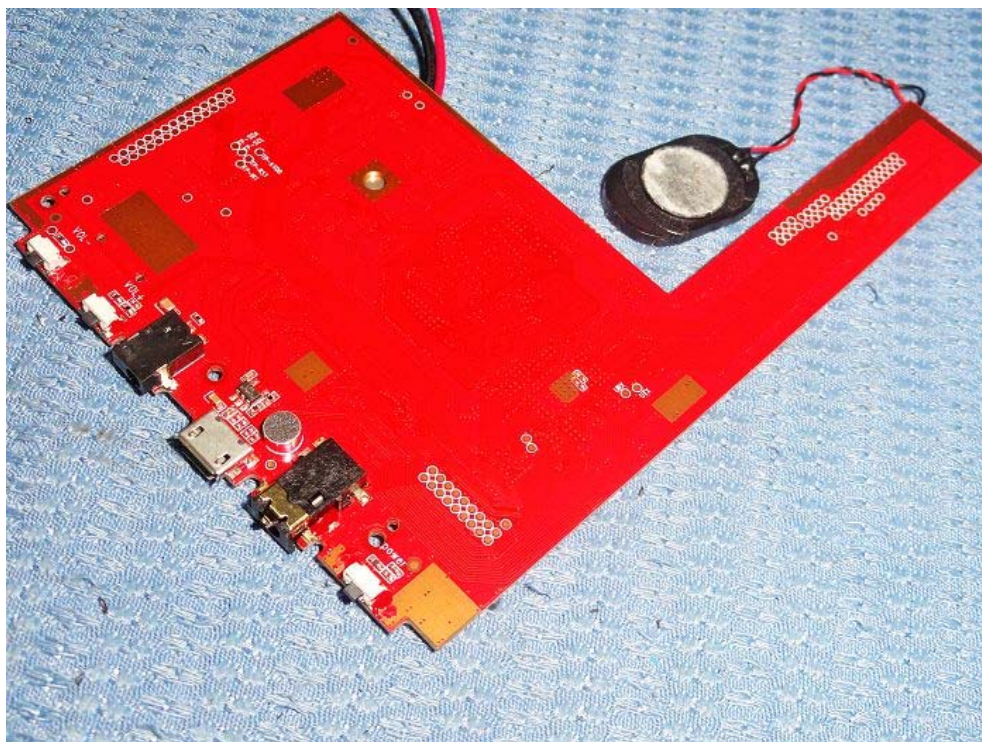
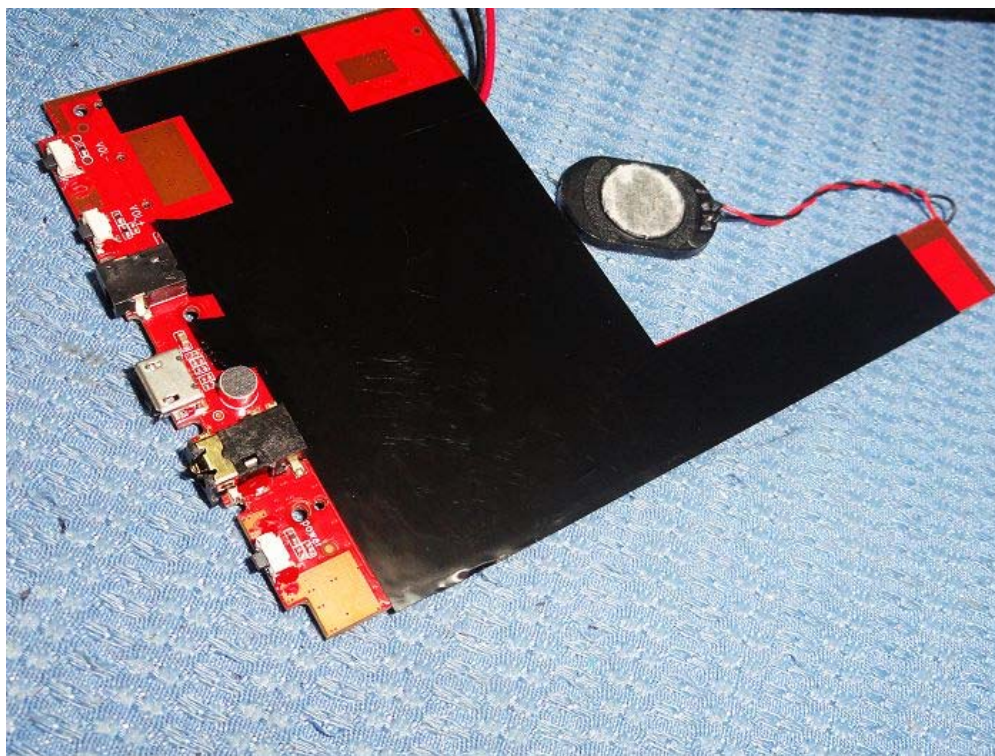


The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer, supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client, enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, the Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Inside view



### End of the report

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen Timeway Technology Consulting Co., Ltd. to his customer, supplier or other persons directly concerned. Shenzhen Timeway Technology Consulting Co., Ltd. will not, without the consent of the client, enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report, the Shenzhen Timeway Technology Consulting Co., Ltd. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.