

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                 |                                                                                                                                 |                                    |                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------|
| <b>Prüfbericht-Nr.:</b><br><i>Test Report No.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>17040273 001</b>                                                                                                                                                                                             | <b>Auftrags-Nr.:</b><br><i>Order No.:</i>                                                                                       | <b>164013498</b>                   | <b>Seite 1 von 193</b><br><i>Page 1 of 193</i>   |
| <b>Kunden-Referenz-Nr.:</b><br><i>Client Reference No.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>N/A</b>                                                                                                                                                                                                      | <b>Auftragsdatum:</b><br><i>Order date:</i>                                                                                     | <b>29.04.2014</b>                  |                                                  |
| <b>Auftraggeber:</b><br><i>Client:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Shenzhen Yifang Digital Technology Co., Ltd.</b><br>Building NO.23, Fifth Region, Baiwangxin Industrial Park, Songbai Rd., Nanshan, Shenzhen, Guangdong 518108, China                                        |                                                                                                                                 |                                    |                                                  |
| <b>Prüfgegenstand:</b><br><i>Test item:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>MID</b>                                                                                                                                                                                                      |                                                                                                                                 |                                    |                                                  |
| <b>Bezeichnung / Typ-Nr.:</b><br><i>Identification / Type No.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>NS-15AT07</b>                                                                                                                                                                                                |                                                                                                                                 |                                    |                                                  |
| <b>Auftrags-Inhalt:</b><br><i>Order content:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>FCC/IC Certification</b>                                                                                                                                                                                     |                                                                                                                                 |                                    |                                                  |
| <b>Prüfgrundlage:</b><br><i>Test specification:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CFR47 FCC Part 15: Subpart C Section 15.247<br>CFR47 FCC Part 15: Subpart C Section 15.207<br>CFR47 FCC Part 15: Subpart C Section 15.209<br><br>RSS-210 Issue 8 December 2010<br>RSS-Gen Issue 3 December 2010 |                                                                                                                                 |                                    |                                                  |
| <b>Wareneingangsdatum:</b><br><i>Date of receipt:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>15.05.2014</b>                                                                                                                                                                                               |                                                                                                                                 |                                    |                                                  |
| <b>Prüfmuster-Nr.:</b><br><i>Test sample No.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>A000055953-006</b>                                                                                                                                                                                           |                                                                                                                                 |                                    |                                                  |
| <b>Prüfzeitraum:</b><br><i>Testing period:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>17.05.2014 - 24.05.2014</b>                                                                                                                                                                                  |                                                                                                                                 |                                    |                                                  |
| <b>Ort der Prüfung:</b><br><i>Place of testing:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Accurate Technology Co., Ltd.</b>                                                                                                                                                                            |                                                                                                                                 |                                    |                                                  |
| <b>Prüflaboratorium:</b><br><i>Testing laboratory:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>TÜV Rheinland (Shenzhen) Co., Ltd.</b>                                                                                                                                                                       |                                                                                                                                 |                                    |                                                  |
| <b>Prüfergebnis*:</b><br><i>Test result*:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Pass</b>                                                                                                                                                                                                     |                                                                                                                                 |                                    |                                                  |
| <b>geprüft von / tested by:</b><br>                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                 | <b>kontrolliert von / reviewed by:</b><br> |                                    |                                                  |
| <b>12.06.2014</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Tom Wang/Assistant Project Manager</b>                                                                                                                                                                       | <b>12.06.2014</b>                                                                                                               | <b>Sam Lin/Technical Certifier</b> |                                                  |
| <b>Datum</b><br><i>Date</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Name / Stellung</b><br><i>Name / Position</i>                                                                                                                                                                | <b>Unterschrift</b><br><i>Signature</i>                                                                                         | <b>Datum</b><br><i>Date</i>        | <b>Name / Stellung</b><br><i>Name / Position</i> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                 |                                                                                                                                 |                                    | <b>Unterschrift</b><br><i>Signature</i>          |
| <b>Sonstiges / Other:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                 |                                                                                                                                 |                                    |                                                  |
| <b>Zustand des Prüfgegenstandes bei Anlieferung:</b><br><i>Condition of the test item at delivery:</i>                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                 | <b>Prüfmuster vollständig und unbeschädigt</b><br><i>Test item complete and undamaged</i>                                       |                                    |                                                  |
| <p>* Legende: 1 = sehr gut      2 = gut      3 = befriedigend      4 = ausreichend      5 = mangelhaft<br/> P(ass) = entspricht o.g. Prüfgrundlage(n)      F(ail) = entspricht nicht o.g. Prüfgrundlage(n)      N/A = nicht anwendbar      N/T = nicht getestet</p> <p>Legend: 1 = very good      2 = good      3 = satisfactory      4 = sufficient      5 = poor<br/> P(ass) = passed a.m. test specification(s)      F(ail) = failed a.m. test specification(s)      N/A = not applicable      N/T = not tested</p> |                                                                                                                                                                                                                 |                                                                                                                                 |                                    |                                                  |
| <p><b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b><br/> <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i></p>                                                    |                                                                                                                                                                                                                 |                                                                                                                                 |                                    |                                                  |

## TEST SUMMARY

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## 1. General Remarks

### 1.1 Complementary Materials

None.

## 2. Test Sites

### 2.1 Test Facilities

Accurate Technology Co., Ltd.

**(FCC Registration No.: 752051)**

**(Test site Industry Canada No.: 5077A-2)**

F1, Bldg. A, Changyuan New Material Port  
Keyuan Rd., Science & Industry Park, Nanshan  
Shenzhen, P.R. China

The tests at the test site have been conducted under the supervision of a TÜV engineer.

## 2.2 List of Test and Measurement Instruments

**Table 1: List of Test and Measurement Equipment**

| Kind of Equipment                                                       | Manufacturer  | Type               | S/N        | Calibrated until |
|-------------------------------------------------------------------------|---------------|--------------------|------------|------------------|
| <b>Transmitter spurious emissions &amp; Receiver spurious emissions</b> |               |                    |            |                  |
| Spectrum Analyzer                                                       | Agilent       | E7405A             | MY45115511 | 2015-01-11       |
| Test Receiver                                                           | Rohde&Schwarz | ESCS30             | 100307     | 2015-01-11       |
| Bilog Antenna                                                           | Schwarzbeck   | VULB9163           | 9163-323   | 2015-01-11       |
| Loop Antenna                                                            | Schwarzbeck   | FMZB1516           | 1516131    | 2015-01-11       |
| Horn Antenna                                                            | Schwarzbeck   | BBHA9120D          | 9120D-655  | 2015-01-11       |
| 50 Coaxial Switch                                                       | Anritsu Corp  | MP59B              | 6200506474 | 2015-01-11       |
| Pre-Amplifier                                                           | Rohde&Schwarz | CBLU118354<br>0-01 | 3791       | 2015-01-11       |
| Temp. & Humid. Chamber                                                  | Gongwen       | HSD-500            | 0109       | 2015-01-11       |
| <b>Radio Spectrum Test</b>                                              |               |                    |            |                  |
| EMI Test Receiver                                                       | Rohde&Schwarz | ESPI-3             | 100396/003 | 2015-01-11       |
| Spectrum Analyzer                                                       | Agilent       | E7405A             | MY45115511 | 2015-01-11       |
| Temp. & Humid. Chamber                                                  | Gongwen       | HSD-500            | 0109       | 2015-01-11       |
| <b>Conducted Emission</b>                                               |               |                    |            |                  |
| Test Receiver                                                           | Rohde&Schwarz | ESCS30             | 100307     | 2015-01-11       |
| L.I.S.N.                                                                | Schwarzbeck   | NLSK8126           | 8126431    | 2015-01-11       |
| Pulse Limiter                                                           | Rohde&Schwarz | ESH3-Z2            | 100815     | 2015-01-11       |
| 50Ω Coaxial Switch                                                      | Anritsu Corp  | MP59B              | 6200283933 | 2015-01-11       |
| <b>Radiated Emission</b>                                                |               |                    |            |                  |
| Spectrum Analyzer                                                       | Agilent       | E7405A             | MY45115511 | 2015-01-11       |
| Test Receiver                                                           | Rohde&Schwarz | ESCS30             | 100307     | 2015-01-11       |
| Bilog Antenna                                                           | Schwarzbeck   | VULB9163           | 9163-323   | 2015-01-11       |
| Loop Antenna                                                            | Schwarzbeck   | FMZB1516           | 1516131    | 2015-01-11       |
| Horn Antenna                                                            | Schwarzbeck   | BBHA9120D          | 9120D-655  | 2015-01-11       |
| 50 Coaxial Switch                                                       | Anritsu Corp  | MP59B              | 6200506474 | 2015-01-11       |
| Pre-Amplifier                                                           | Rohde&Schwarz | CBLU118354<br>0-01 | 3791       | 2015-01-11       |
| RF Coaxial Cable (966 Chamber)<br>(for below 1GHz test)                 | Suhner        | N-3m               | No.8       | 2015-01-11       |
| RF Coaxial Cable (966 Chamber)<br>(for below 1GHz test)                 | Resenberger   | N-3.5m             | No.9       | 2015-01-11       |
| RF Coaxial Cable (966 Chamber)<br>(for below 1GHz test)                 | Suhner        | N-6m               | No.10      | 2015-01-11       |
| RF Coaxial Cable (966 Chamber)<br>(for above 1GHz test)                 | Resenberger   | N-12m              | No.11      | 2015-01-11       |
| RF Coaxial Cable (966 Chamber)<br>(for above 1GHz test)                 | Resenberger   | N-0.5m             | No.12      | 2015-01-11       |

## 2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations.

## 2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

## 2.5 Measurement Uncertainty

**Table 2: Measurement Uncertainty**

| Parameter                                               | Uncertainty     |
|---------------------------------------------------------|-----------------|
| Radio Spectrum                                          | $< \pm 0.60$ dB |
| Radiated emission of transmitter, valid up to 12.75 GHz | $< \pm 4.42$ dB |
| Radiated emission of receiver, valid up to 12.75 GHz    | $< \pm 4.42$ dB |
| Conducted Emission                                      | $< \pm 2.23$ dB |
| Radiated Emission                                       | $< \pm 4.42$ dB |

## 2.6 Location of Original Data

The original copies of all test data taken during actual testing were retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

## 2.7 Status of Facility Used for Testing

Accurate Technology Co., Ltd. test facility located at F1, Bldg. A, Changyuan New Material Port Keyuan Rd., Science & Industry Park, Nanshan, Shenzhen, P.R. China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

## 3. General Product Information

### 3.1 Product Function and Intended Use

The EUT is 7" tablet with Wi-Fi & Bluetooth function.  
 For details refer to the User Manual and Circuit Diagram.

### 3.2 Ratings and System Details

**Table 3: Technical Specification of Bluetooth (BDR & EDR mode)**

| Technical Specification   | Value                            |
|---------------------------|----------------------------------|
| Kind of Equipment         | MID                              |
| Type Designation          | NS-15AT07                        |
| FCC ID                    | S7JNS15AT07                      |
| IC                        | 8082A-NS15AT07                   |
| Operating Frequency band  | 2402 – 2480MHz                   |
| Channel separation        | 1MHz                             |
| Extreme Temperature Range | -30~+75°C                        |
| Operation Voltage         | DC 3.7V (via built in battery)   |
|                           | DC 5V (via AC/DC adapter)        |
| Modulation                | FHSS, GFSK, 8DPSK, $\pi/4$ DQPSK |
| Bluetooth version         | 4.0 (dual mode)                  |
| Antenna Gain              | 1dBi                             |

**Table 4: RF channel and frequency of Bluetooth (BDR & EDR mode)**

| RF Channel | Frequency (MHz) | RF Channel | Frequency (MHz) | RF Channel | Frequency (MHz) | RF Channel | Frequency (MHz) |
|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|
| 0          | 2402.00         | 21         | 2423.00         | 42         | 2444.00         | 63         | 2465.00         |
| 1          | 2403.00         | 22         | 2424.00         | 43         | 2445.00         | 64         | 2466.00         |
| 2          | 2404.00         | 23         | 2425.00         | 44         | 2446.00         | 65         | 2467.00         |
| 3          | 2405.00         | 24         | 2426.00         | 45         | 2447.00         | 66         | 2468.00         |
| 4          | 2406.00         | 25         | 2427.00         | 46         | 2448.00         | 67         | 2469.00         |
| 5          | 2407.00         | 26         | 2428.00         | 47         | 2449.00         | 68         | 2470.00         |
| 6          | 2408.00         | 27         | 2429.00         | 48         | 2450.00         | 69         | 2471.00         |
| 7          | 2409.00         | 28         | 2430.00         | 49         | 2451.00         | 70         | 2472.00         |
| 8          | 2410.00         | 29         | 2431.00         | 50         | 2452.00         | 71         | 2473.00         |
| 9          | 2411.00         | 30         | 2432.00         | 51         | 2453.00         | 72         | 2474.00         |
| 10         | 2412.00         | 31         | 2433.00         | 52         | 2454.00         | 73         | 2475.00         |
| 11         | 2413.00         | 32         | 2434.00         | 53         | 2455.00         | 74         | 2476.00         |

|    |         |    |         |    |         |    |         |
|----|---------|----|---------|----|---------|----|---------|
| 12 | 2414.00 | 33 | 2435.00 | 54 | 2456.00 | 75 | 2477.00 |
| 13 | 2415.00 | 34 | 2436.00 | 55 | 2457.00 | 76 | 2478.00 |
| 14 | 2416.00 | 35 | 2437.00 | 56 | 2458.00 | 77 | 2479.00 |
| 15 | 2417.00 | 36 | 2438.00 | 57 | 2459.00 | 78 | 2480.00 |
| 16 | 2418.00 | 37 | 2439.00 | 58 | 2460.00 |    |         |
| 17 | 2419.00 | 38 | 2440.00 | 59 | 2461.00 |    |         |
| 18 | 2420.00 | 39 | 2441.00 | 60 | 2462.00 |    |         |
| 19 | 2421.00 | 40 | 2442.00 | 61 | 2463.00 |    |         |
| 20 | 2422.00 | 41 | 2443.00 | 62 | 2464.00 |    |         |

**Table 5: Technical Specification of Buletooth (LE mode)**

| Technical Specification   | Value                          |
|---------------------------|--------------------------------|
| Kind of Equipment         | Tablet                         |
| Type Designation          | NS-15AT07                      |
| Operating Frequency band  | 2402 – 2480MHz                 |
| Channel separation        | 2MHz                           |
| Extreme Temperature Range | -30~+75°C                      |
| Operation Voltage         | DC 3.7V (via built in battery) |
|                           | DC 5V (via AC/DC adapter)      |
| Modulation                | GFSK                           |
| Bluetooth version         | 4.0                            |
| Antenna Gain              | 1dBi                           |

**Table 6: RF channel and frequency of Buletooth (LE mode)**

| RF Channel | Frequency (MHz) | RF Channel | Frequency (MHz) | RF Channel | Frequency (MHz) | RF Channel | Frequency (MHz) |
|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|
| 0          | 2402.00         | 11         | 2424.00         | 22         | 2446.00         | 33         | 2468.00         |
| 1          | 2404.00         | 12         | 2426.00         | 23         | 2448.00         | 34         | 2470.00         |
| 2          | 2406.00         | 13         | 2428.00         | 24         | 2450.00         | 35         | 2472.00         |
| 3          | 2408.00         | 14         | 2430.00         | 25         | 2452.00         | 36         | 2474.00         |
| 4          | 2410.00         | 15         | 2432.00         | 26         | 2454.00         | 37         | 2476.00         |
| 5          | 2412.00         | 16         | 2434.00         | 27         | 2456.00         | 38         | 2478.00         |
| 6          | 2414.00         | 17         | 2436.00         | 28         | 2458.00         | 39         | 2480.00         |
| 7          | 2416.00         | 18         | 2438.00         | 29         | 2460.00         |            |                 |
| 8          | 2418.00         | 19         | 2440.00         | 30         | 2462.00         |            |                 |
| 9          | 2420.00         | 20         | 2442.00         | 31         | 2464.00         |            |                 |
| 10         | 2422.00         | 21         | 2444.00         | 32         | 2466.00         |            |                 |

**Table 7: Technical Specification of Wi-Fi**

| Item                                     | Description           |                               |                                                             |
|------------------------------------------|-----------------------|-------------------------------|-------------------------------------------------------------|
|                                          | IEEE 802.11b          | IEEE 802.11g                  | IEEE 802.11n (HT20)                                         |
| Operating Frequency band (MHz)           | 2412 ~ 2462           | 2412 ~ 2462                   | 2412 ~ 2462                                                 |
| Channel Number                           | 11                    | 11                            | 11                                                          |
| Modulation                               | DSSS(DQPSK,DBPSK,CCK) | OFDM(64-QAM,16-QAM,QPSK,BPSK) | OFDM(64-QAM,16-QAM,QPSK,BPSK)                               |
| Data Rate (Mbps)                         | 1, 2, 5, 11           | 6, 9, 12, 18, 24, 36, 48, 54  | 6.5, 13.0, 19.5, 26.0, 39.0, 52.0, 58.5, 65.0 (MCS0 ~ MCS7) |
| Transmitter Output Power (Typical) (dBm) | 14.5                  | 13                            | 12                                                          |
| Media Access Protocol                    | CSMA/CA with ACK      | CSMA/CA with ACK              | CSMA/CA with ACK                                            |

**Table 8: Carrier Frequency of Wi-Fi**

| Frequency Band    | Channel No. | Frequency | Channel No. | Frequency |
|-------------------|-------------|-----------|-------------|-----------|
| 2400 – 2483.5 MHz | 1           | 2412 MHz  | 8           | 2447 MHz  |
|                   | 2           | 2417 MHz  | 9           | 2452 MHz  |
|                   | 3           | 2422 MHz  | 10          | 2457 MHz  |
|                   | 4           | 2427 MHz  | 11          | 2462 MHz  |
|                   | 5           | 2432 MHz  |             |           |
|                   | 6           | 2437 MHz  |             |           |
|                   | 7           | 2442 MHz  |             |           |

### 3.3 Independent Operation Modes

The basic operation modes are:

A. On

1. Bluetooth mode (BDR & EDR mode)
  - a. Transmitting
    - i. Low Channel
    - ii. Middle Channel
    - iii. High Channel
  - b. Receiving
2. Bluetooth mode (LE mode)
  - a. Transmitting
    - i. Low Channel
    - ii. Middle Channel
    - iii. High Channel
  - b. Receiving
3. Wi-Fi mode
  - a. Transmitting
    - i. Low Channel
    - ii. Middle Channel
    - iii. High Channel
  - b. Receiving

- B. Standby
- C. Off

### 3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

### 3.5 Submitted Documents

- Bill of Material
- PCB Layout
- Photo Document
- Circuit Diagram
- Instruction Manual
- Rating Label

## 4. Test Set-up and Operation Modes

### 4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power level. The test modes were adapted accordingly in reference to the instructions for use.

### 4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.4: 2003.

### 4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories:

| Description   | Manufacturer                         | Part No.     | S/N      | Rating                                                    |
|---------------|--------------------------------------|--------------|----------|-----------------------------------------------------------|
| Notebook PC   | Lenovo                               | 4290-RT8     | R9-FW93G | N/A                                                       |
| AC/DC Adapter | Shenzhen Huoniu Technology Co., Ltd. | HNEA050150UU | N/A      | Input: AC 100-240V, 50/60Hz, 0.35A<br>Output: DC 5V, 1.5A |

The EUT was tested with following cables:

| Interface(s)/Port(s): | Max. cable length, shielding   | Cable classification |
|-----------------------|--------------------------------|----------------------|
| AC Mains of adapter   | 2 cores, non-shielded port, 3m | AC Power Input       |
| Micro USB port        | 4 cores, non-shielded port, 3m | DC Power Input       |

### 4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

## 4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test

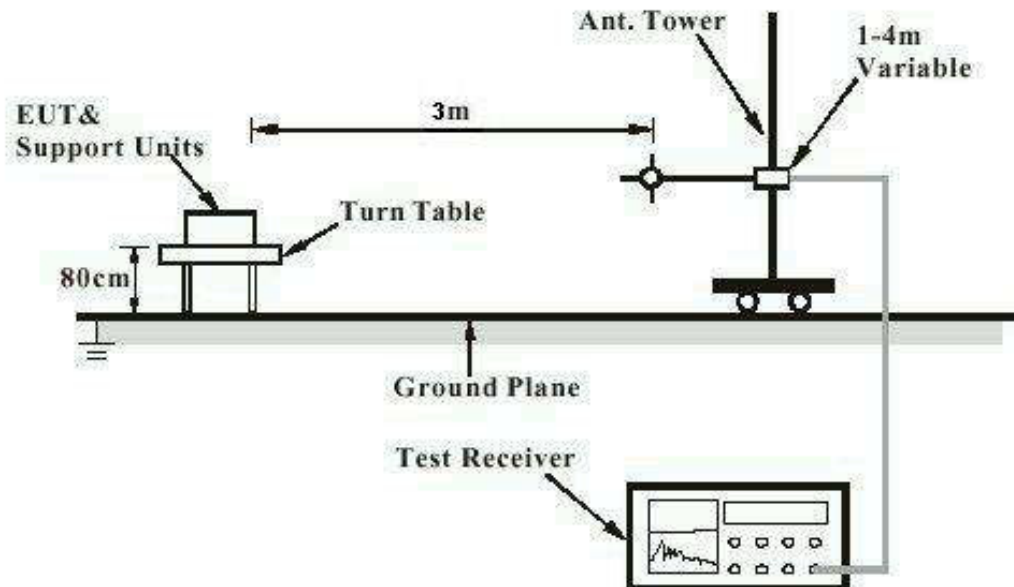
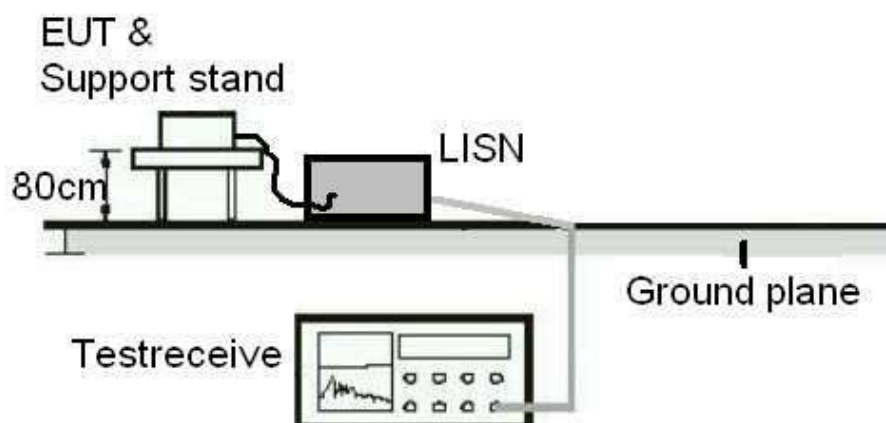
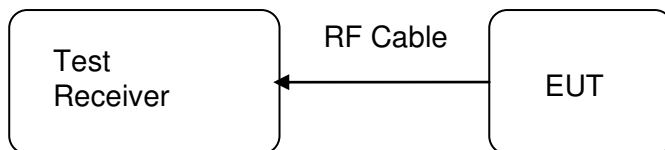


Diagram of Measurement Equipment Configuration for Conduction Measurement



**Diagram of Measurement Equipment Configuration for Transmitter Measurement**



## 5. Test Results

### 5.1 Transmitter Requirement & Test Suites

#### 5.1.1 Antenna Requirement

**RESULT:****Pass**

|               |   |                                                                       |
|---------------|---|-----------------------------------------------------------------------|
| Test standard | : | FCC Part 15.247(b)(4) and Part 15.203<br>RSS-Gen 7.1.4                |
| Limit         |   | The use of antennas with directional gains that do<br>not exceed 6dBi |

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 1dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

## 5.1.2 Peak Output Power

**RESULT:**
**Pass**

Test date : 2014-05-24  
 Test standard : FCC Part 15.247(b)(1)  
 FCC Part 15.247(b)(3)  
 RSS-210 A8.4(2)  
 RSS-210 A8.4(4)  
 Basic standard : ANSI C63.4: 2003  
 Clause 9.1 of KDB 558074 v03r01  
 Limit : 125mW, 1W  
 Kind of test site : Shielded room

**Test setup**

Test Channel : Low/ Middle/ High  
 Operation Mode : A.1.a, A.2.a, A.3.a  
 Ambient temperature : 25°C  
 Relative humidity : 52%  
 Atmospheric pressure : 101kPa

**Table 9: Test result of Peak Output Power of Buletooth (BDR mode)**

| Channel        | Channel Frequency<br>(MHz) | Peak Output Power | Limit |
|----------------|----------------------------|-------------------|-------|
|                |                            | (dBm)             | (dBm) |
| Low Channel    | 2402                       | -3.82             | 21    |
| Middle Channel | 2441                       | -3.94             | 21    |
| High Channel   | 2480                       | -4.19             | 21    |

**Table 10: Test result of Peak Output Power of Bluetooth (EDR mode)**

| Channel        | Channel Frequency<br>(MHz) | Peak Output Power | Limit |
|----------------|----------------------------|-------------------|-------|
|                |                            | (dBm)             | (dBm) |
| Low Channel    | 2402                       | -3.09             | 21    |
| Middle Channel | 2441                       | -3.21             | 21    |
| High Channel   | 2480                       | -3.43             | 21    |

**Table 11: Test result of Peak Output Power of Bluetooth (LE mode)**

| Channel        | Channel Frequency<br>(MHz) | Peak Output Power | Limit |
|----------------|----------------------------|-------------------|-------|
|                |                            | (dBm)             | (dBm) |
| Low Channel    | 2402                       | 5.73              | 30    |
| Middle Channel | 2444                       | 5.64              | 30    |
| High Channel   | 2480                       | 5.33              | 30    |

**Table 12: Test result of Peak Output Power of Wi-F (802.11b)**

| Channel        | Channel Frequency<br>(MHz) | Peak Output Power | Limit |
|----------------|----------------------------|-------------------|-------|
|                |                            | (dBm)             | (dBm) |
| Low Channel    | 2412                       | 18.20             | 30    |
| Middle Channel | 2437                       | 17.89             | 30    |
| High Channel   | 2462                       | 17.41             | 30    |

**Table 13: Test result of Peak Output Power of Wi-Fi (802.11g)**

| Channel        | Channel Frequency<br>(MHz) | Peak Output Power | Limit |
|----------------|----------------------------|-------------------|-------|
|                |                            | (dBm)             | (dBm) |
| Low Channel    | 2412                       | 18.08             | 30    |
| Middle Channel | 2437                       | 17.64             | 30    |
| High Channel   | 2462                       | 17.35             | 30    |

**Table 14: Test result of Peak Output Power of Wi-Fi (802.11n)**

| Channel        | Channel Frequency<br>(MHz) | Peak Output Power | Limit |
|----------------|----------------------------|-------------------|-------|
|                |                            | (dBm)             | (dBm) |
| Low Channel    | 2412                       | 17.92             | 30    |
| Middle Channel | 2437                       | 17.47             | 30    |
| High Channel   | 2462                       | 16.93             | 30    |

| Channel      | Channel Frequency (MHz) | 20dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
|--------------|-------------------------|----------------------|---------------------|
| Low Channel  | 2402                    | 1.222                | 1.188               |
| Mid Channel  | 2441                    | 1.222                | 1.188               |
| High Channel | 2480                    | 1.222                | 1.194               |

| Channel      | Channel Frequency (MHz) | 6dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
|--------------|-------------------------|---------------------|---------------------|
| Low Channel  | 2412                    | 16.40               | 16.36               |
| Mid Channel  | 2437                    | 16.44               | 16.36               |
| High Channel | 2462                    | 16.44               | 16.36               |

**Prüfbericht - Nr.: 17040273 001***Test Report No.***Seite 19 von 193***Page 19 of 193***Table 20: Test result of 6dB & 99% Bandwidth of 802.11n**

| Channel      | Channel<br>Frequency (MHz) | 6dB Bandwidth<br>(MHz) | 99% Bandwidth<br>(MHz) |
|--------------|----------------------------|------------------------|------------------------|
| Low Channel  | 2412                       | 17.36                  | 17.56                  |
| Mid Channel  | 2437                       | 17.40                  | 17.56                  |
| High Channel | 2462                       | 17.32                  | 17.56                  |

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**5.1.5 Conducted Spurious Emissions measured in 100kHz Bandwidth****RESULT:****Pass**

|                   |   |                                                                                                                       |
|-------------------|---|-----------------------------------------------------------------------------------------------------------------------|
| Date of testing   | : | 2014-05-24                                                                                                            |
| Test standard     | : | FCC part 15.247(d)<br>RSS-210 A8.5                                                                                    |
| Basic standard    | : | ANSI C63.4: 2003                                                                                                      |
| Limit             | : | 20dB (below that in the 100kHz bandwidth within<br>the band that contains the highest level of the<br>desired power); |
| Kind of test site | : | Shield room                                                                                                           |

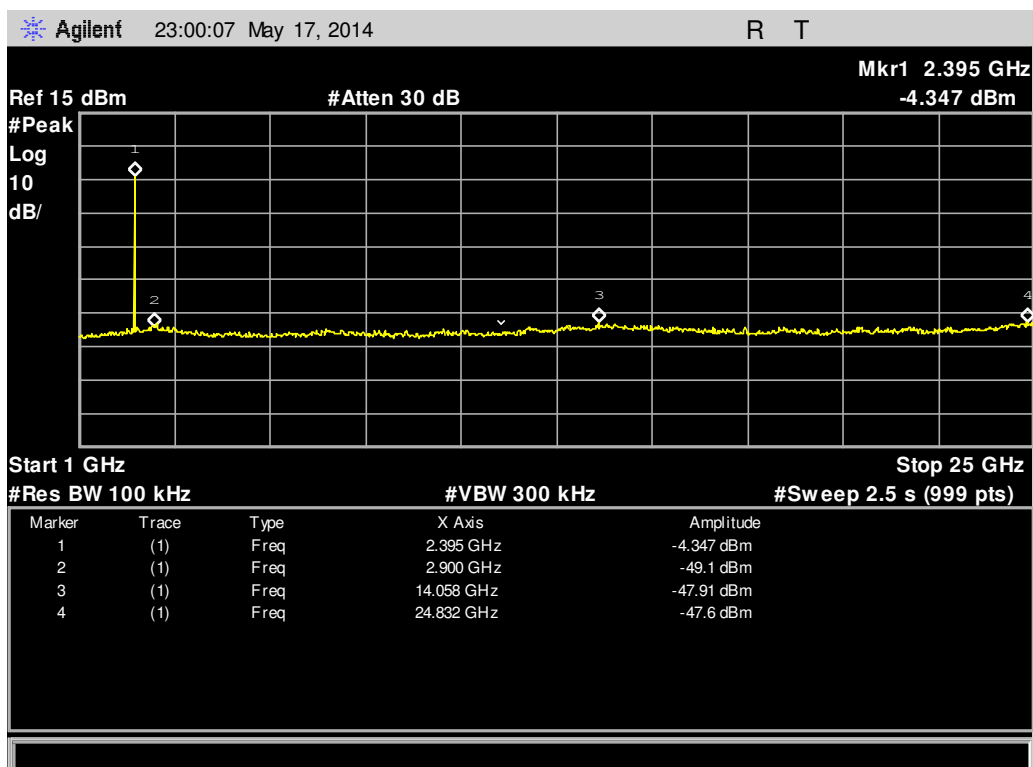
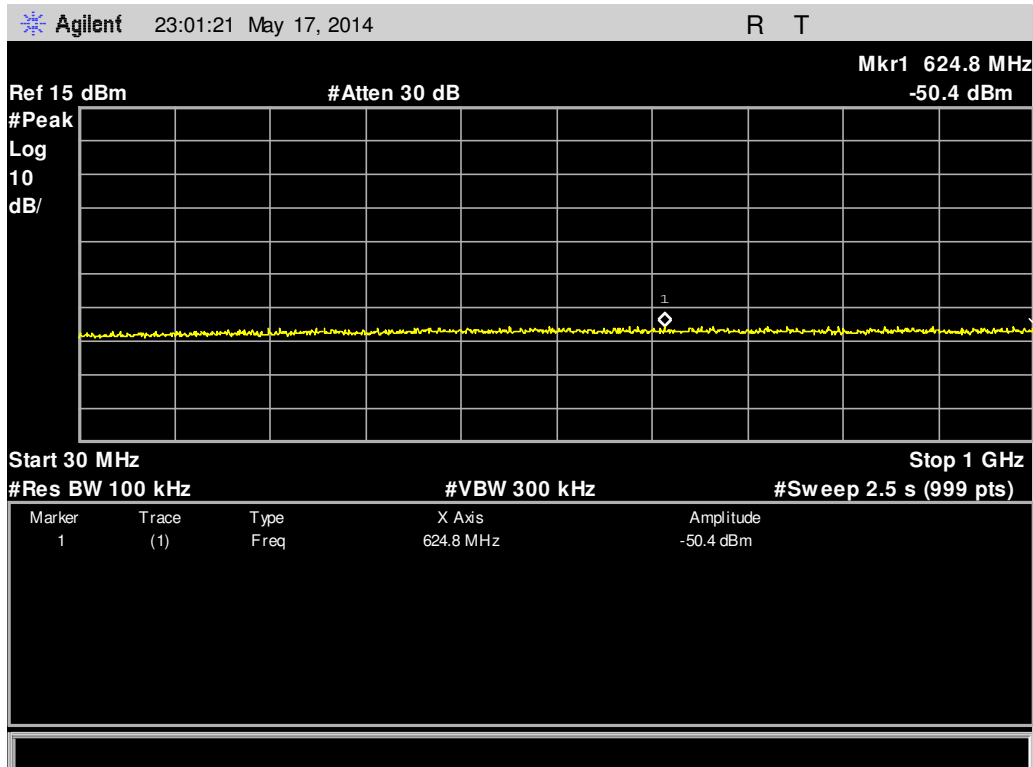
**Test setup**

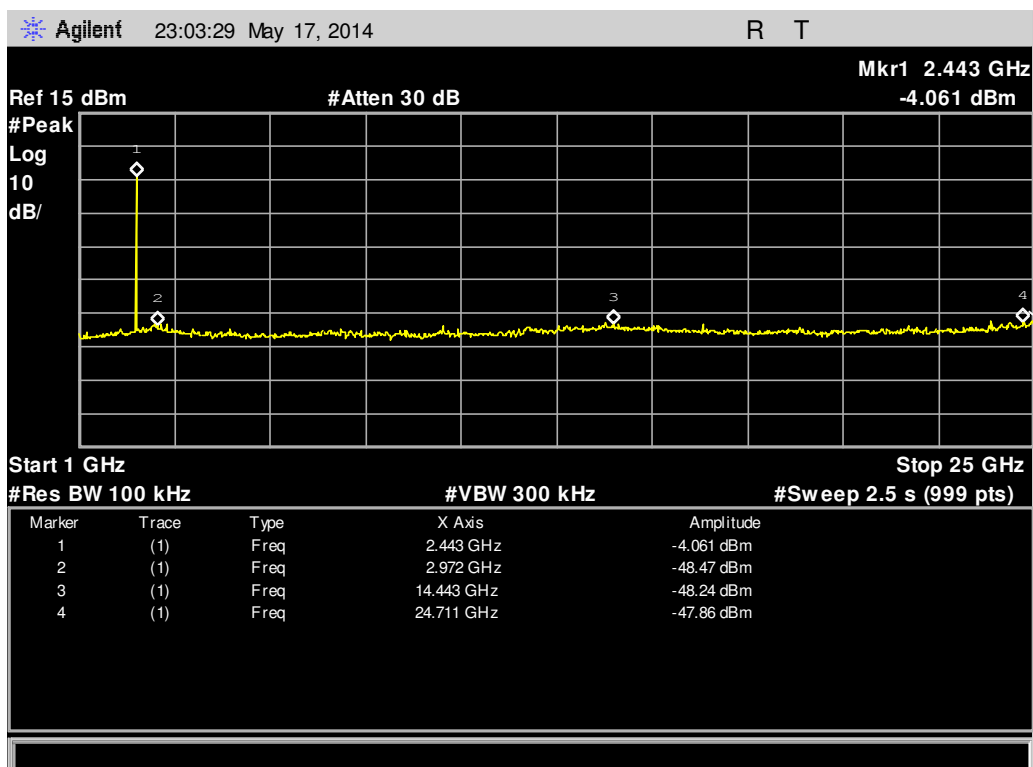
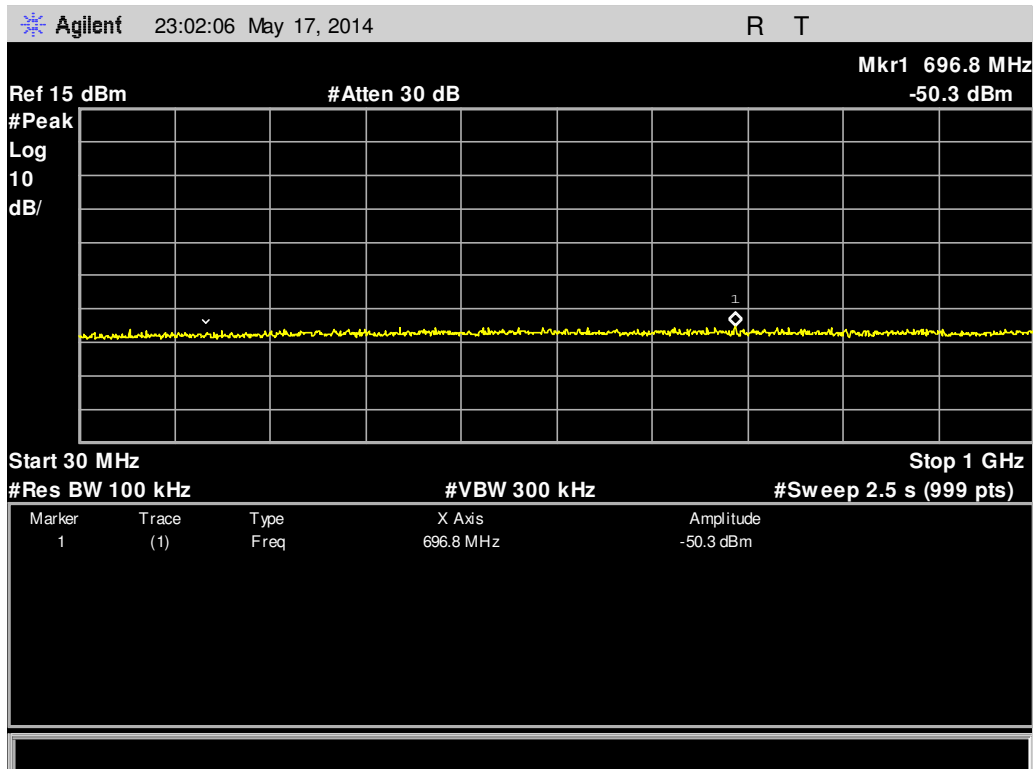
|                      |   |                     |
|----------------------|---|---------------------|
| Test Channel         | : | Low/ Middle/ High   |
| Operation mode       | : | A.1.a, A.2.a, A.3.a |
| Ambient temperature  | : | 25°C                |
| Relative humidity    | : | 52%                 |
| Atmospheric pressure | : | 101kPa              |

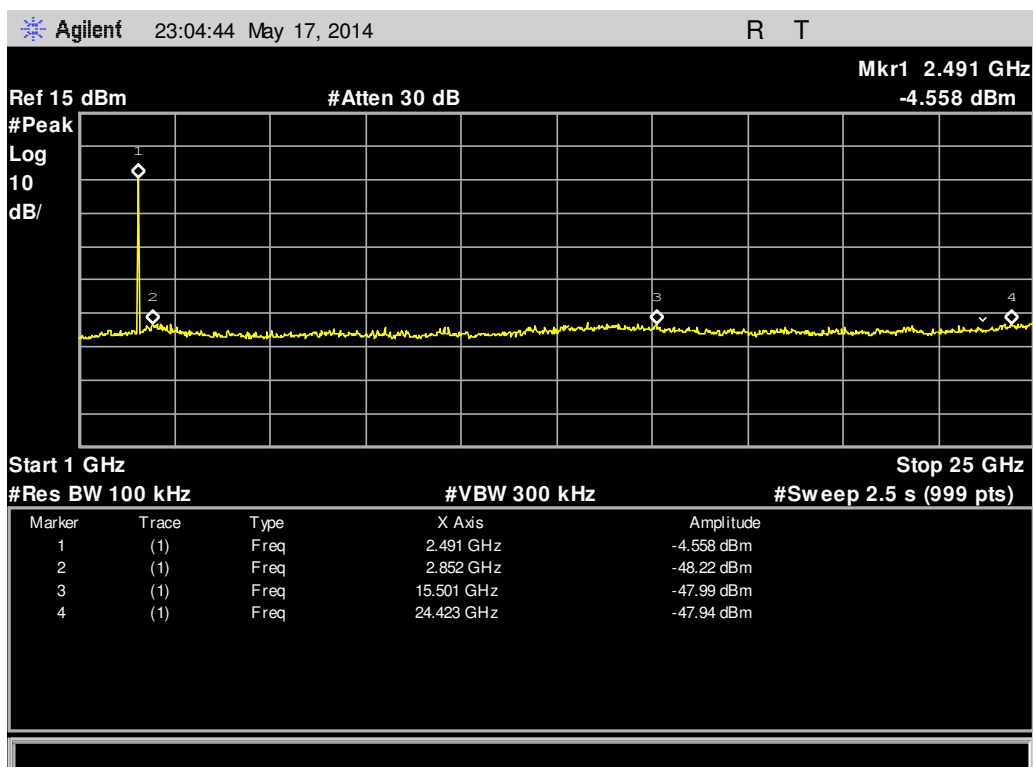
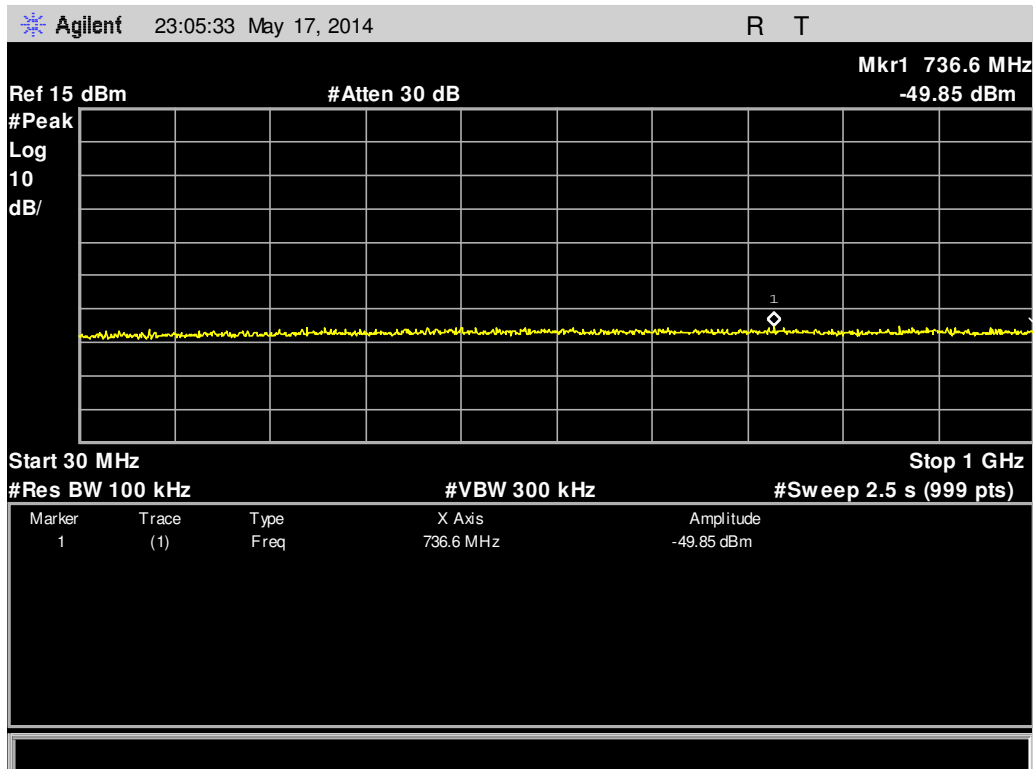
For details refer to following test plot.

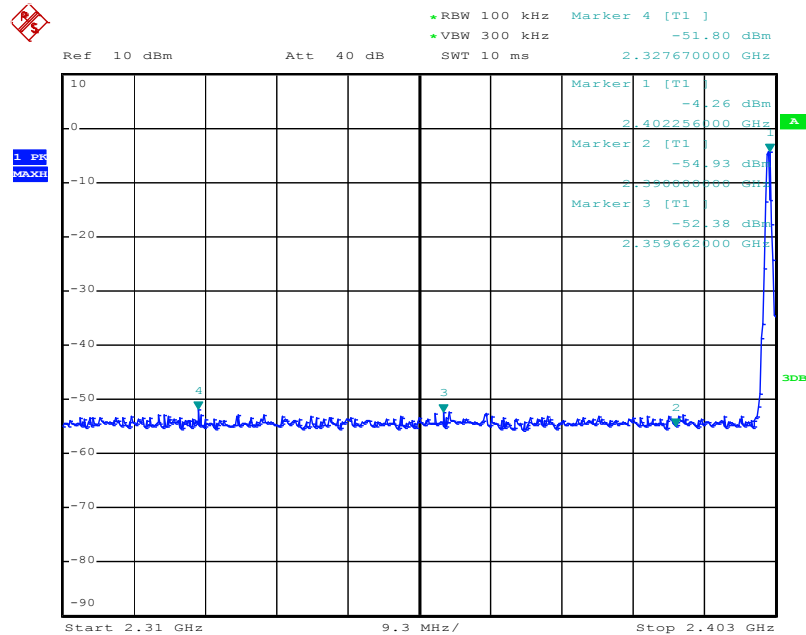
## Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of BDR mode

### Low Channel

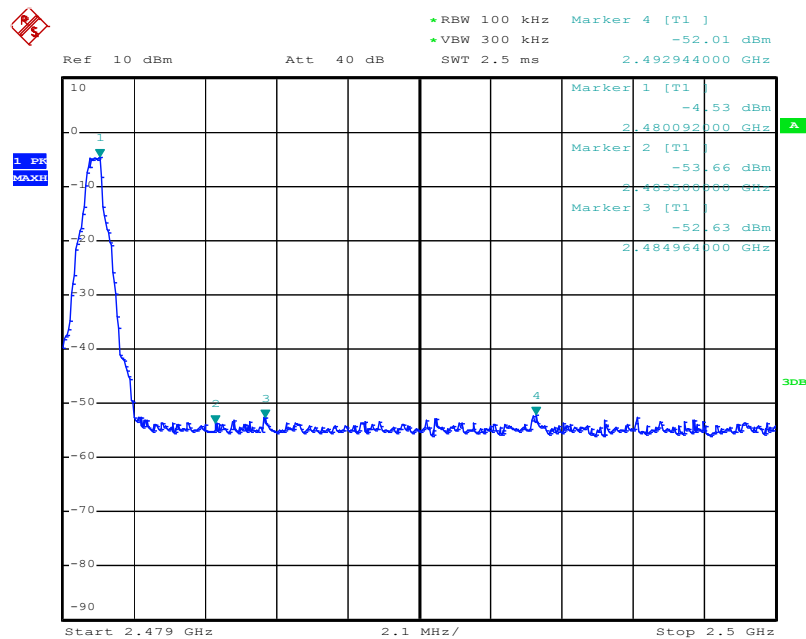


**Middle Channel**


**High Channel**


**Band Edge**


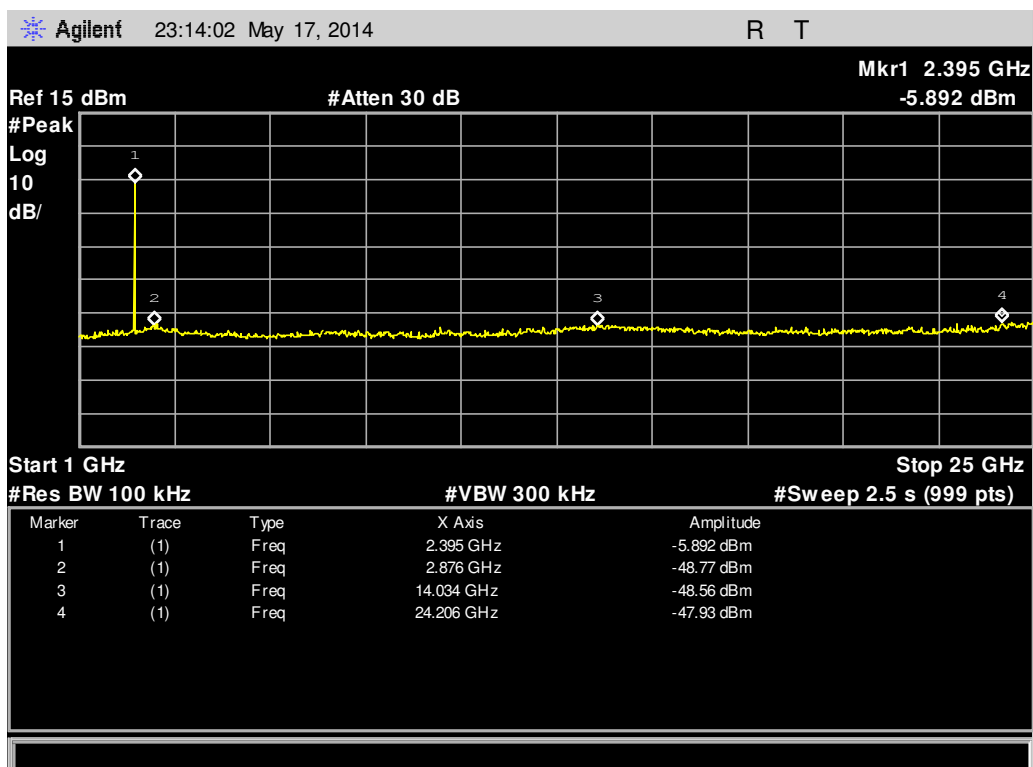
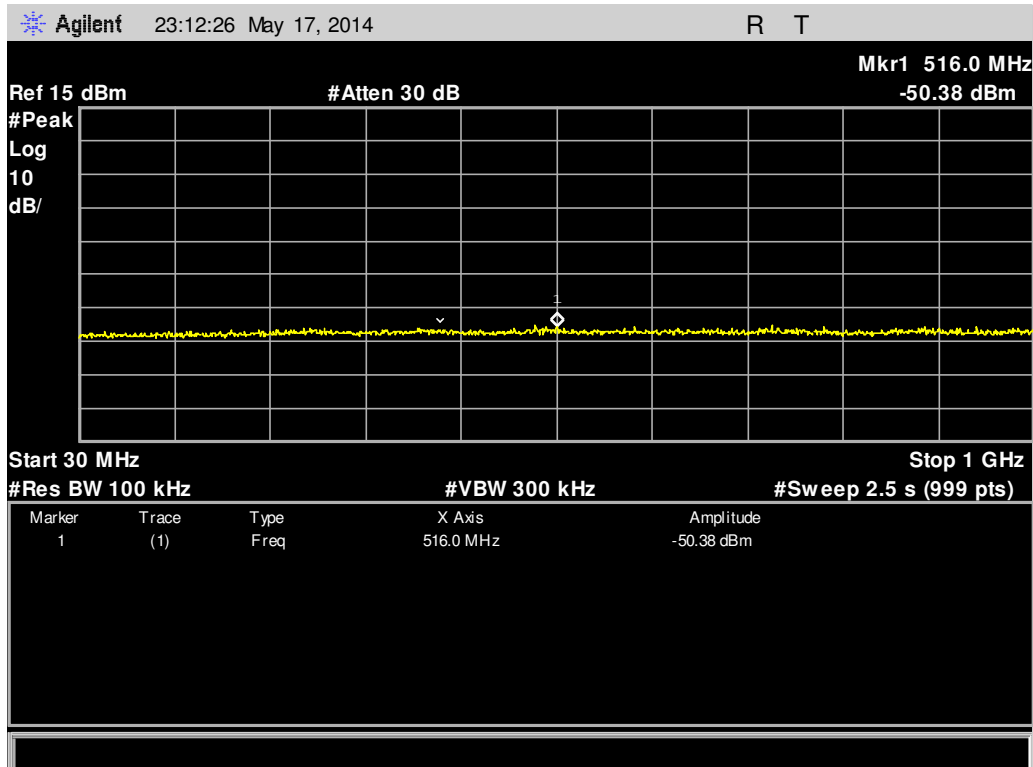
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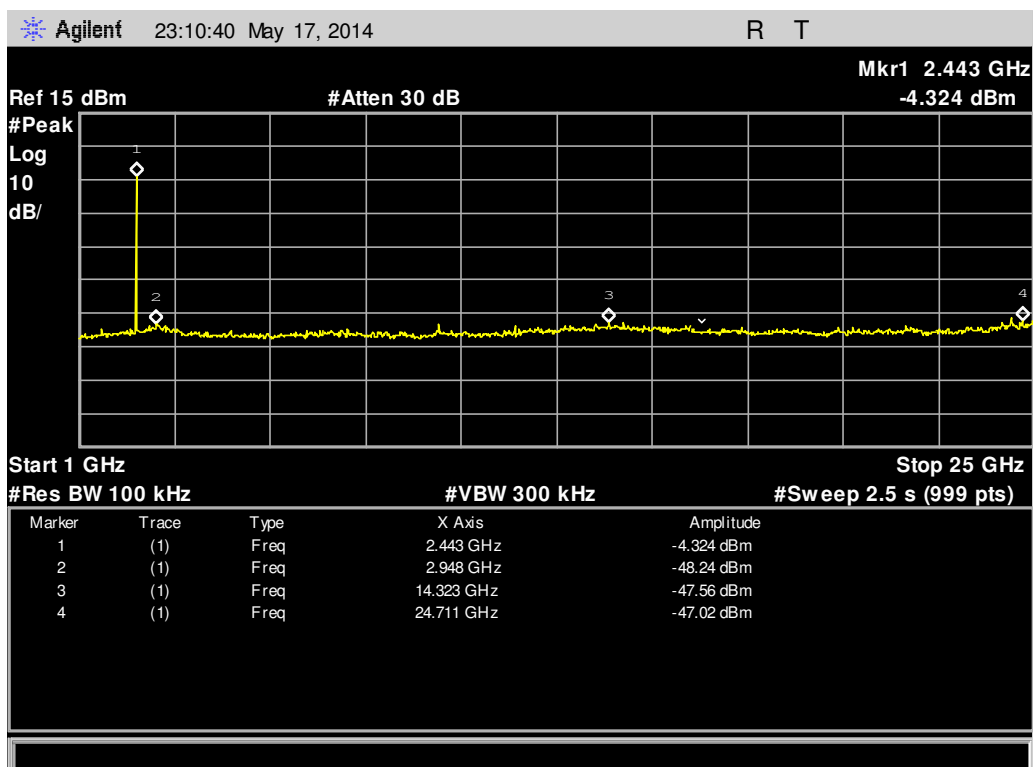
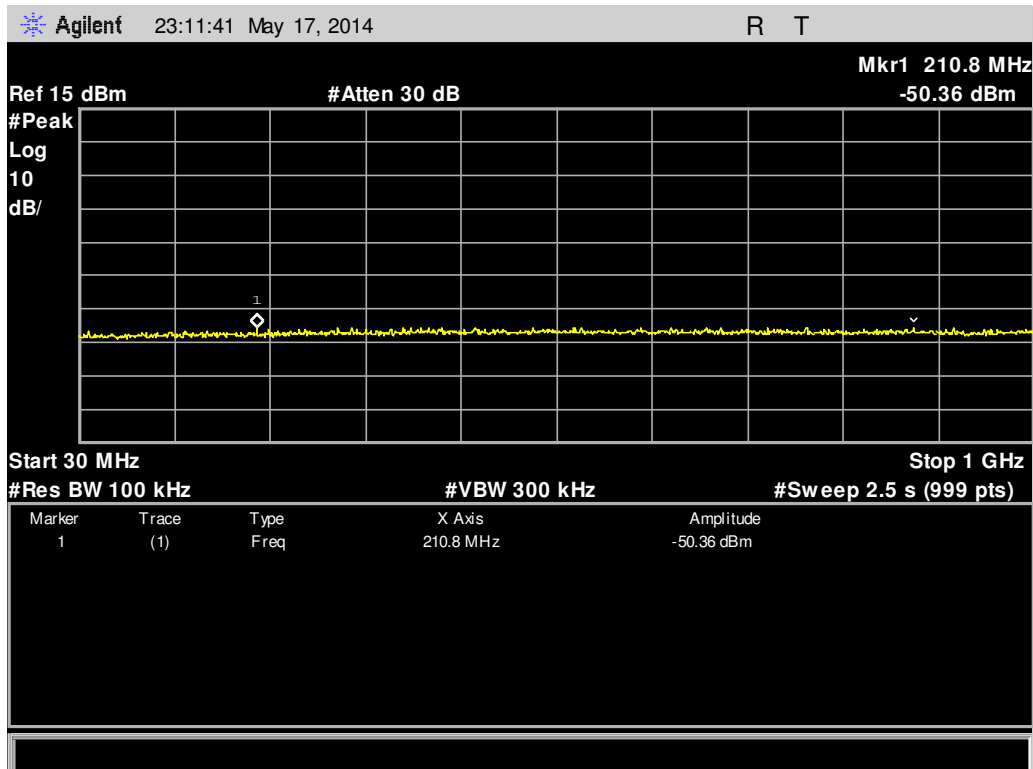


Date: 17.MAY.2014 20:06:36

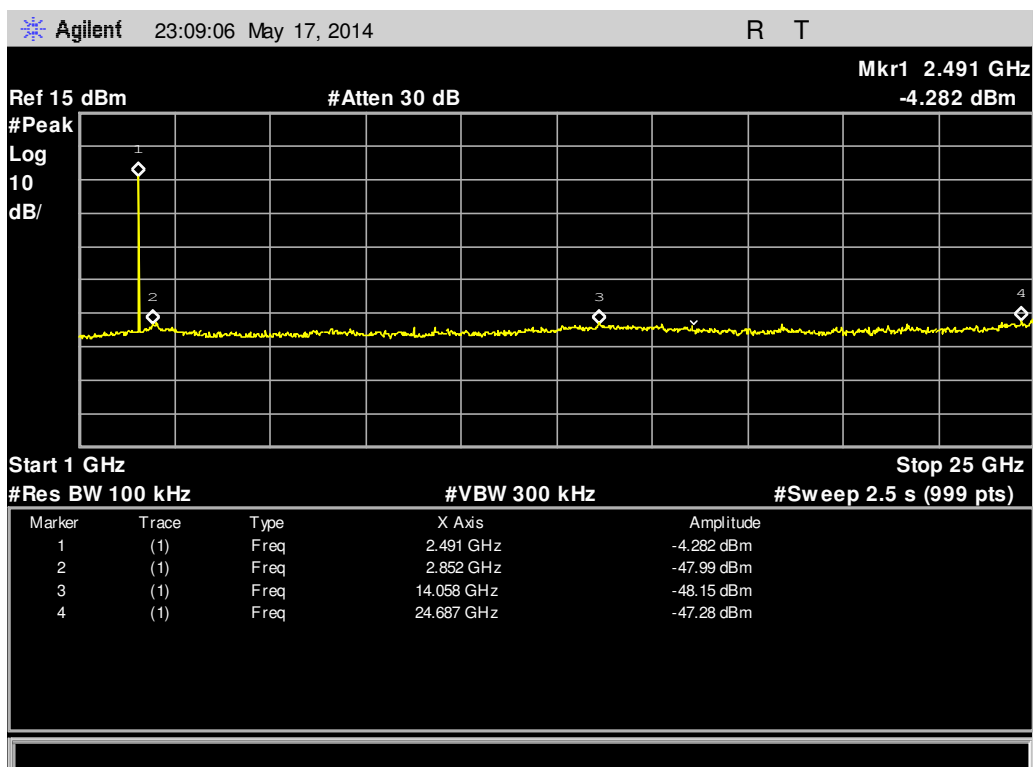
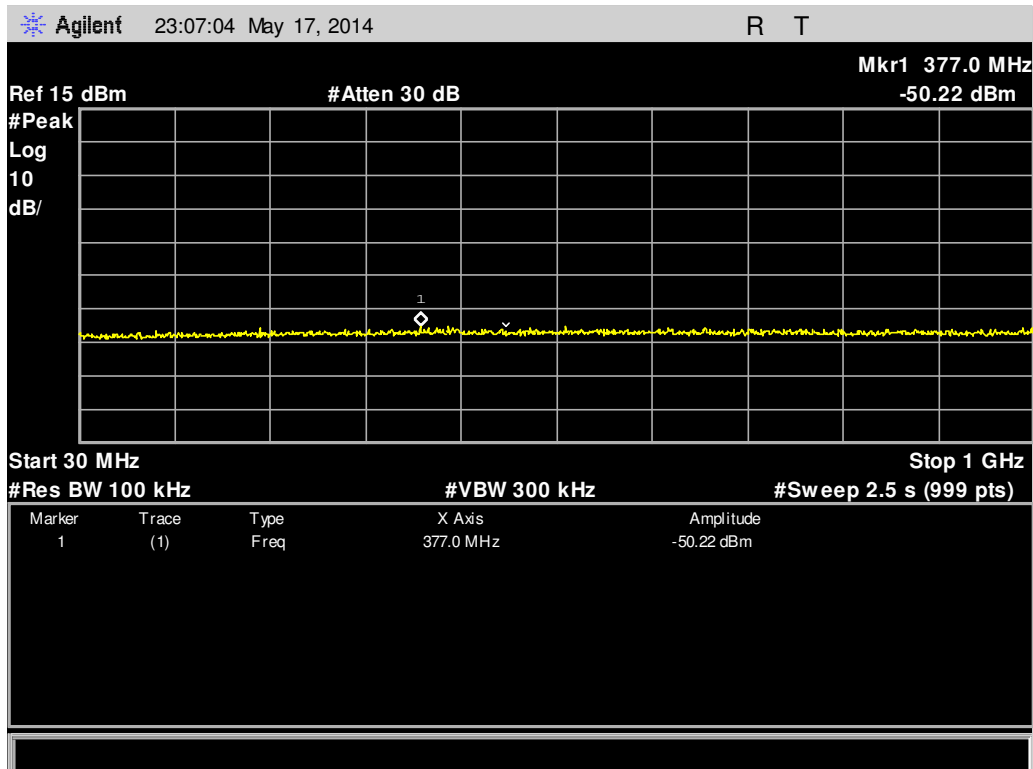
## Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of EDR mode

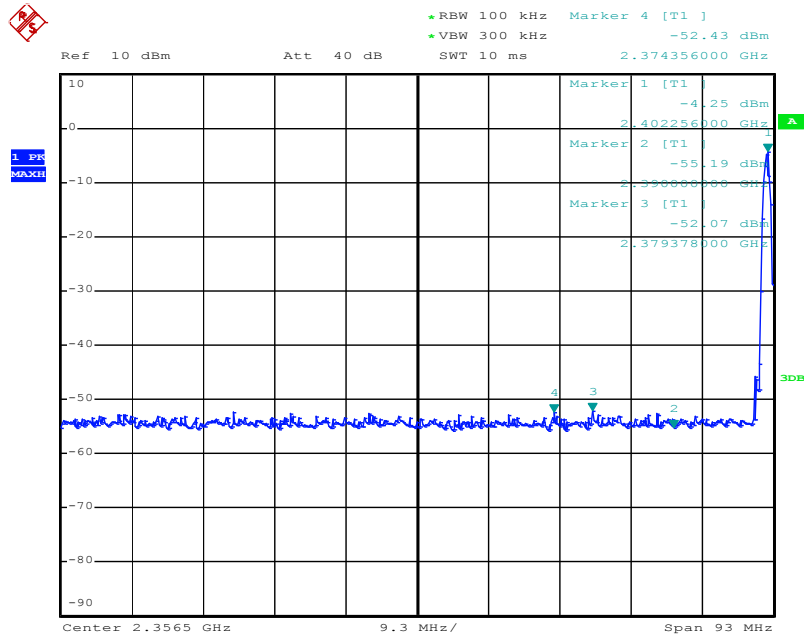
### Low Channel



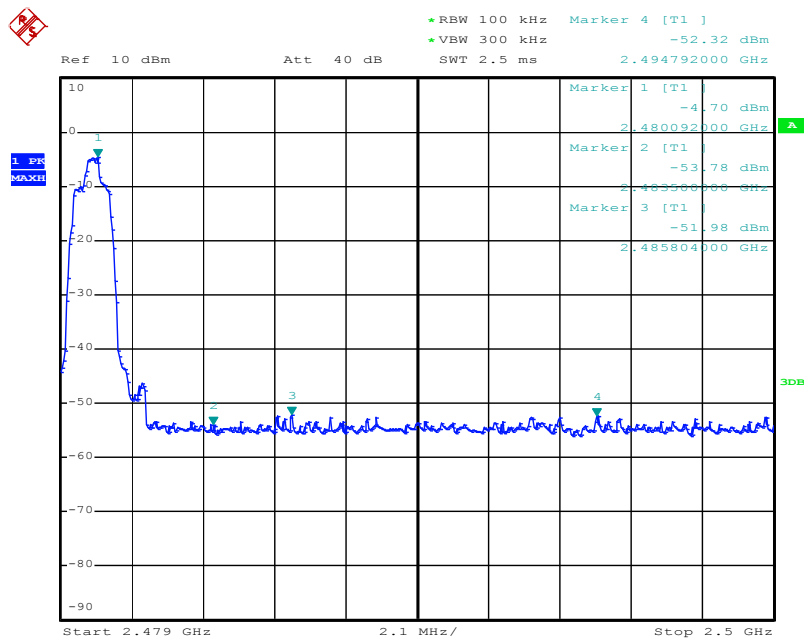
**Middle Channel**


## High Channel



**Band Edge**


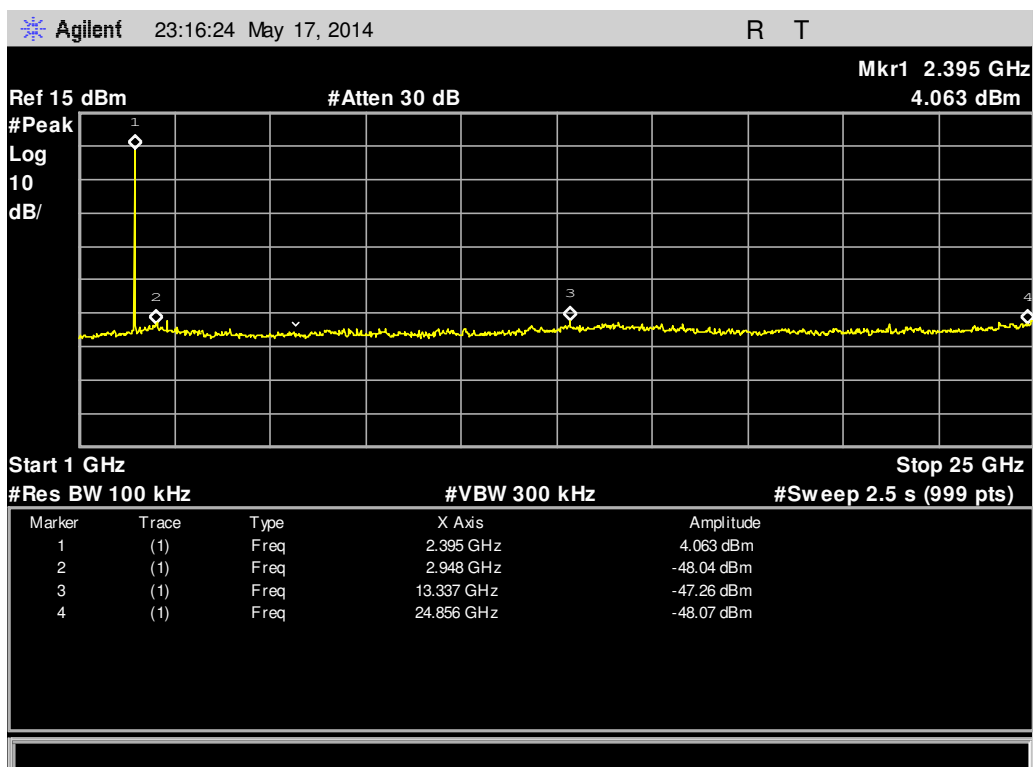
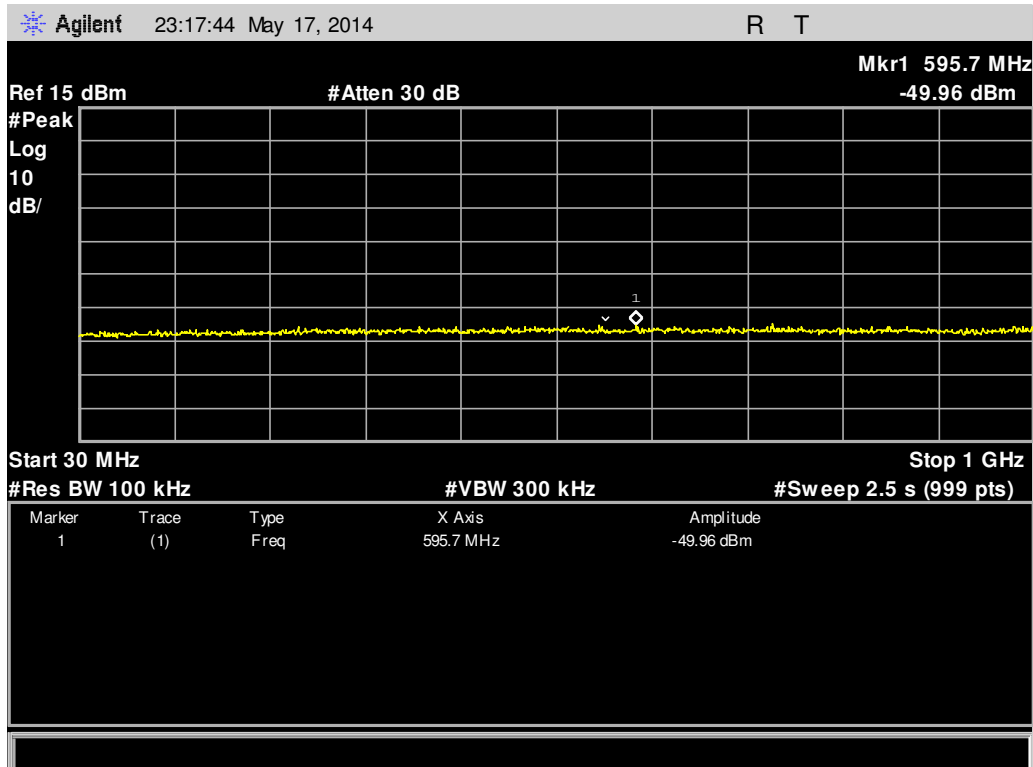
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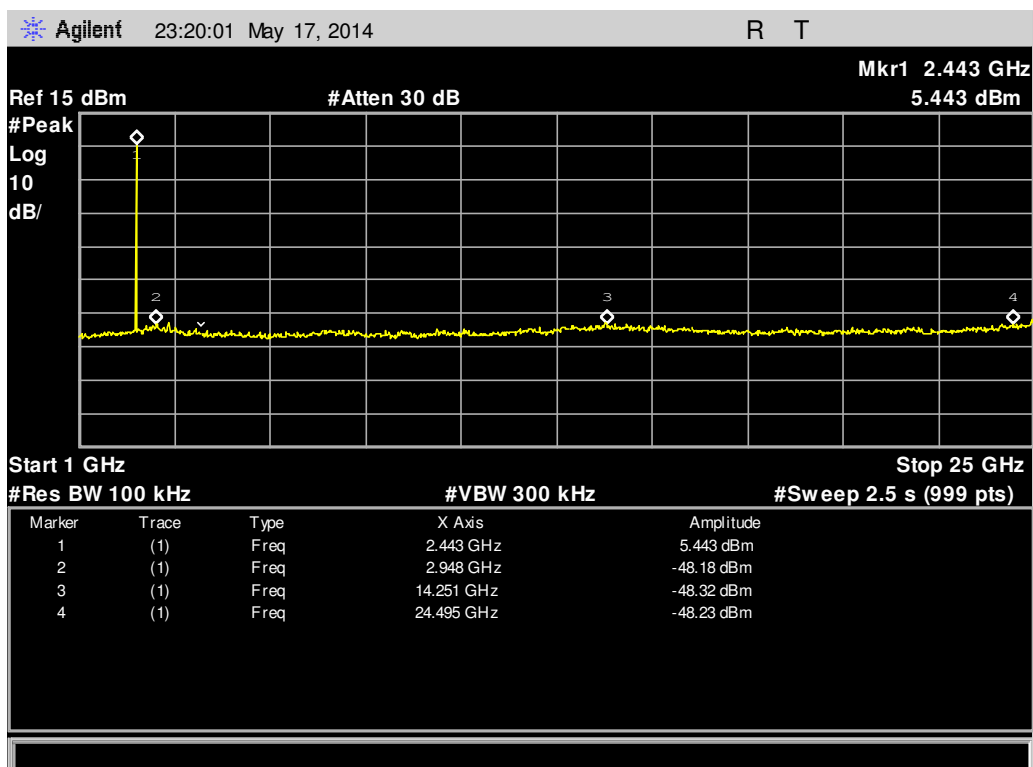
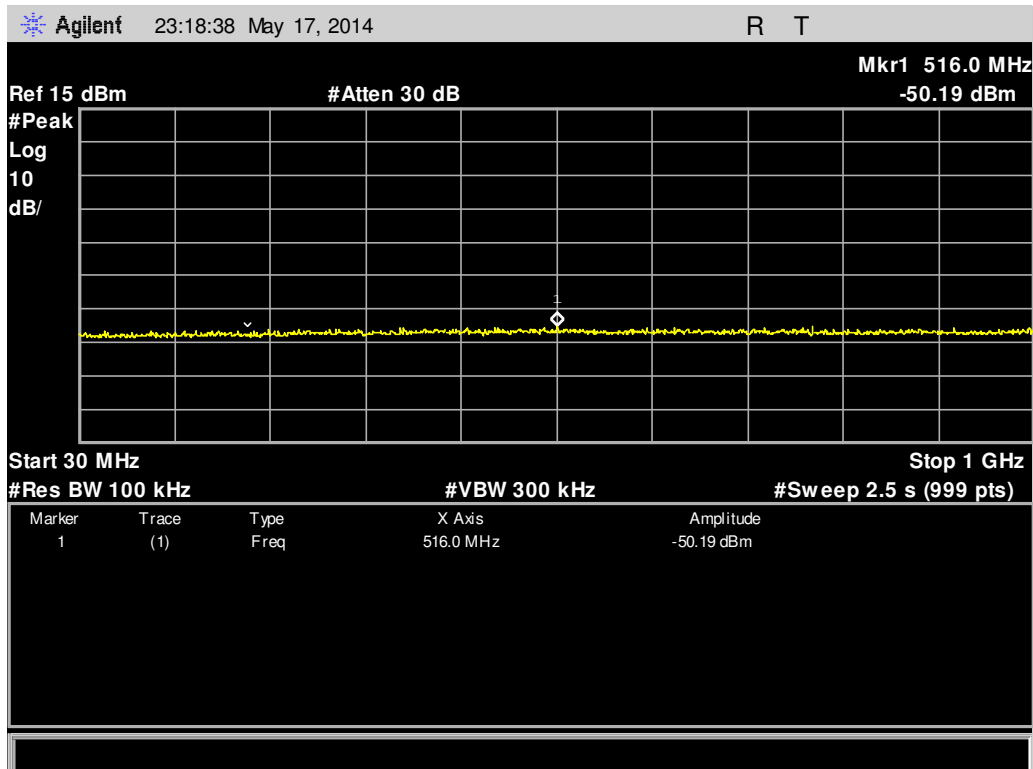


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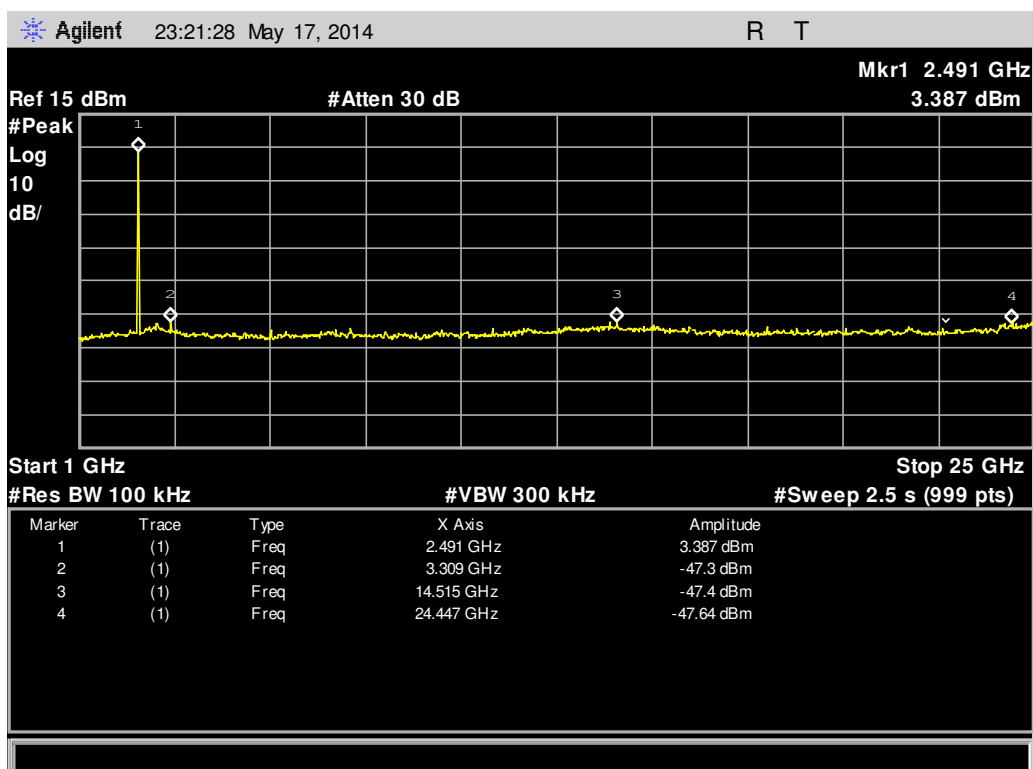
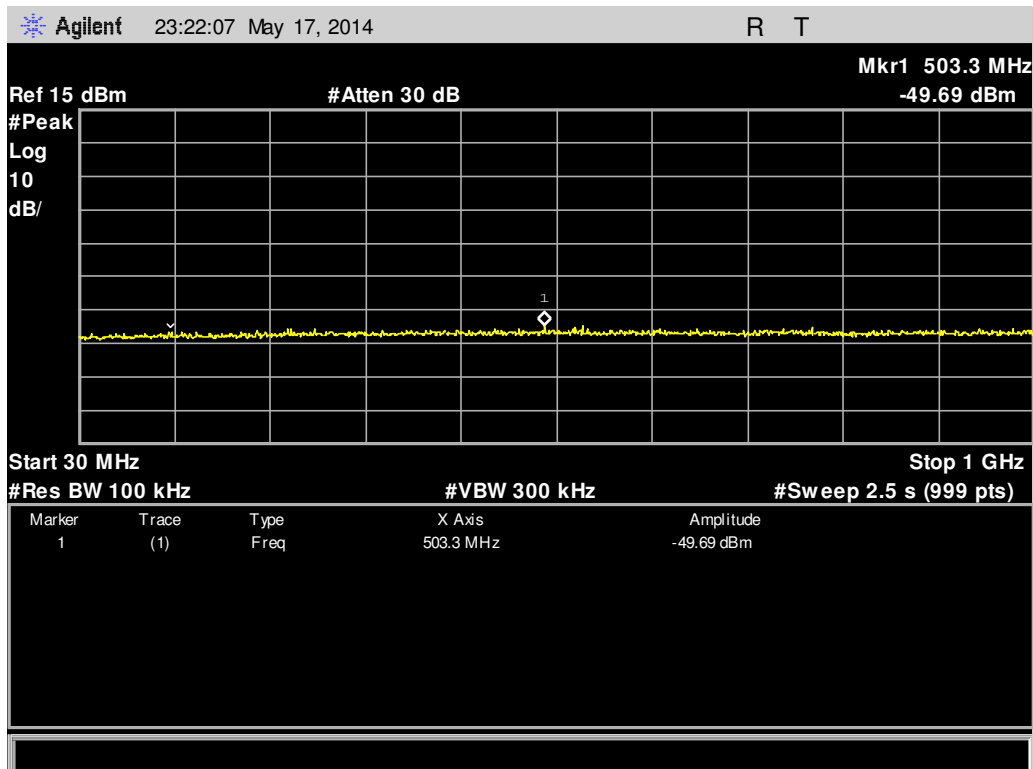
## Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of LE mode

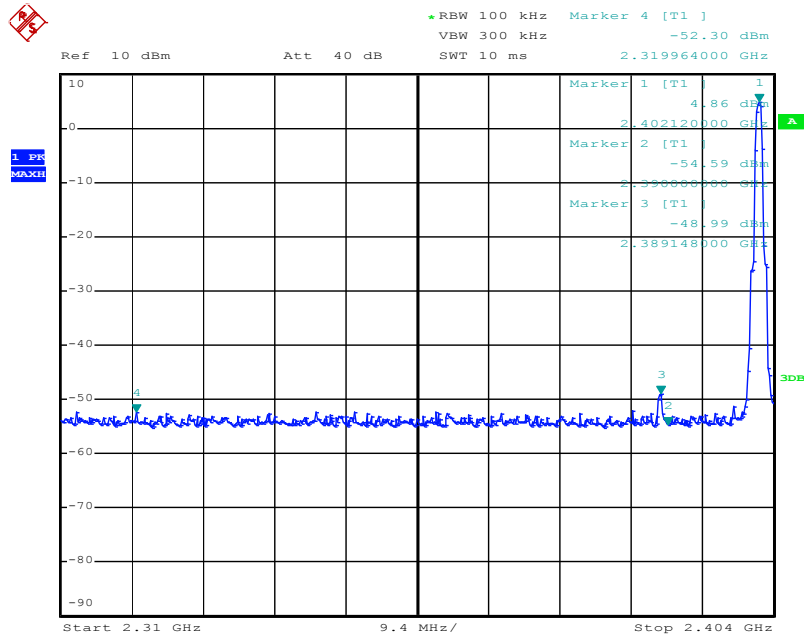
### Low Channel



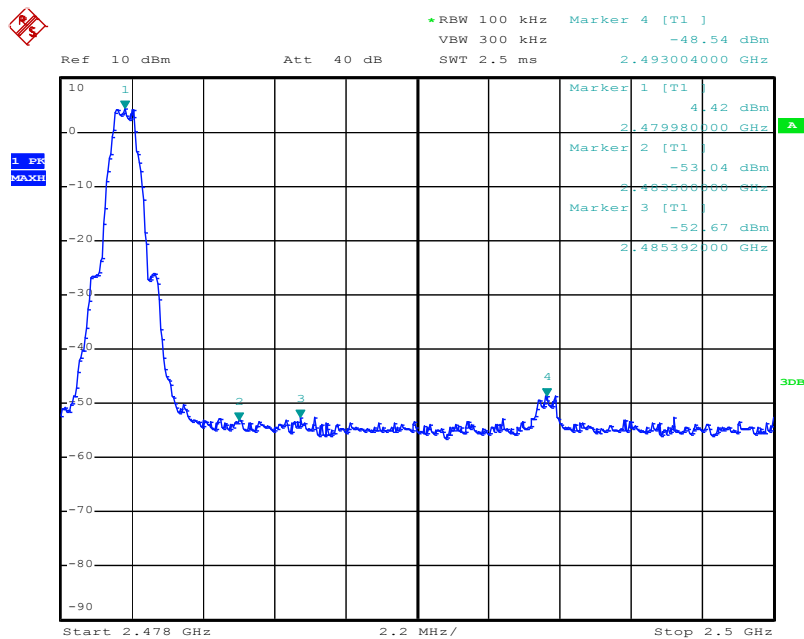
**Middle Channel**


## High Channel



**Band Edge**


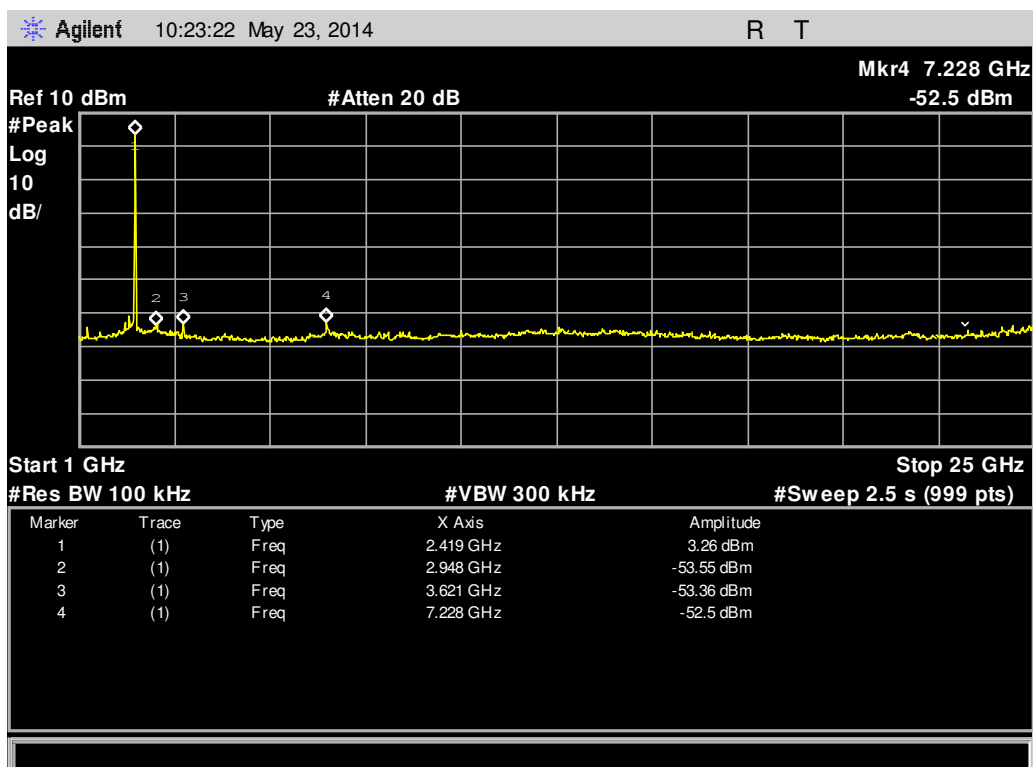
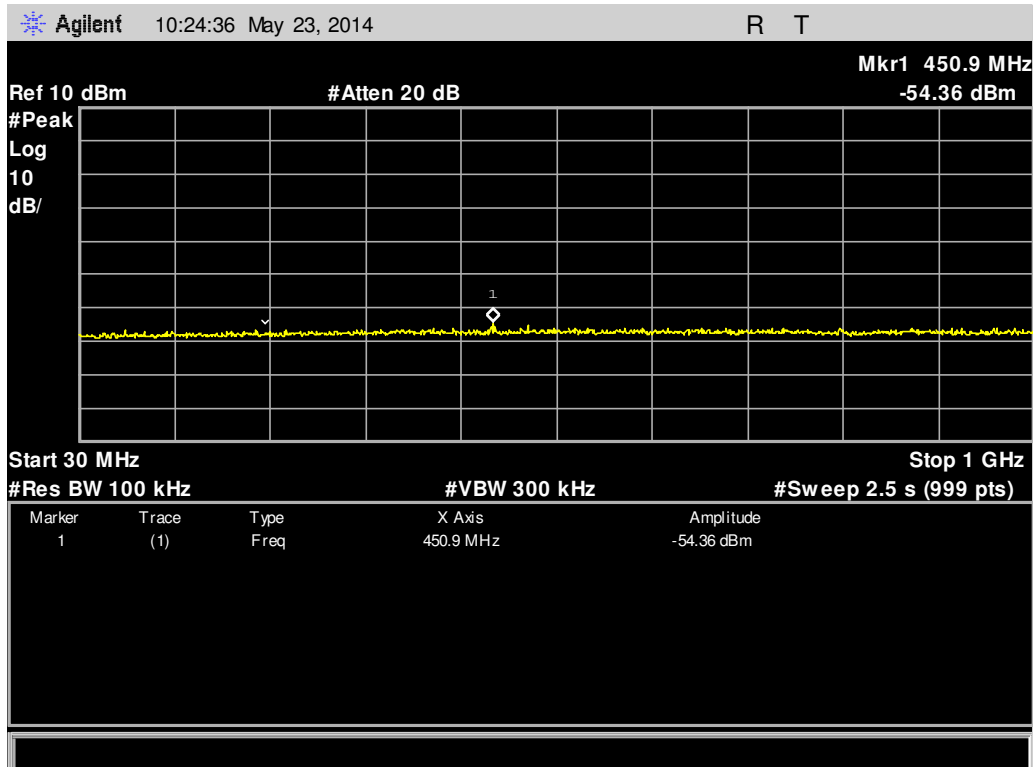
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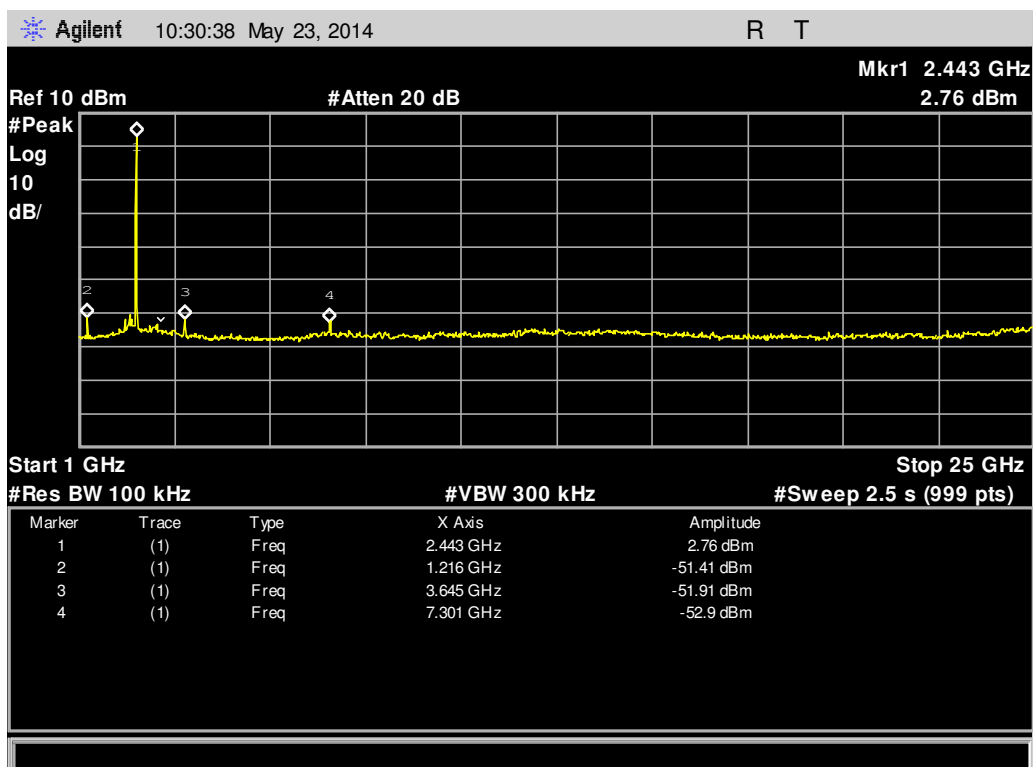
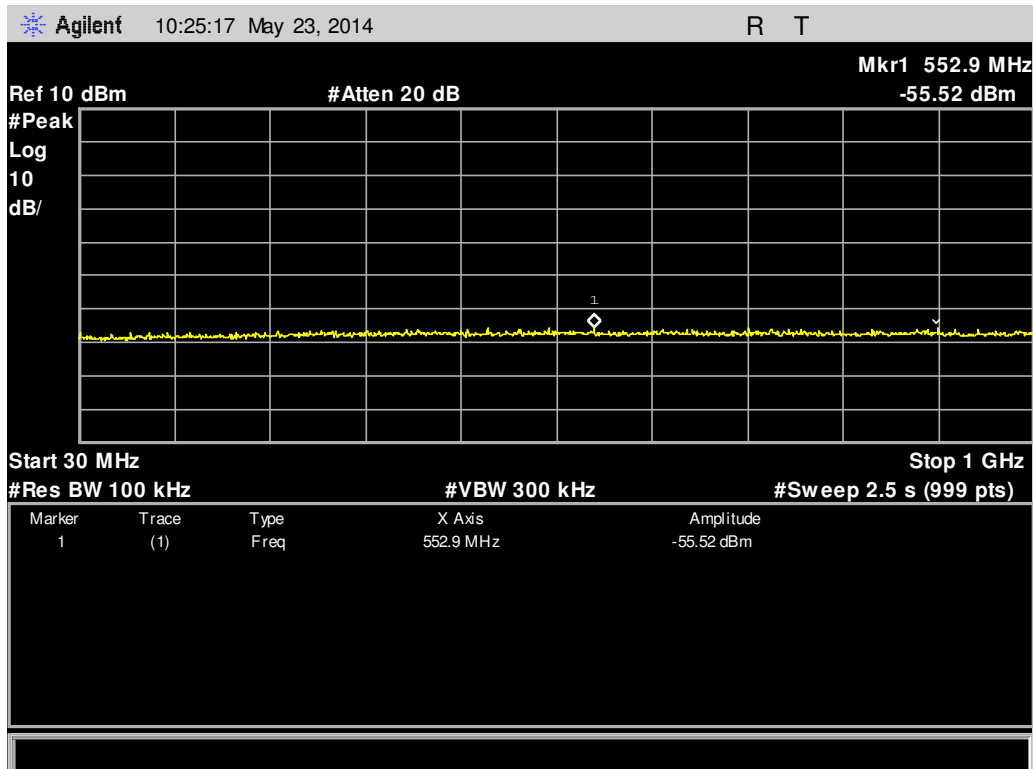


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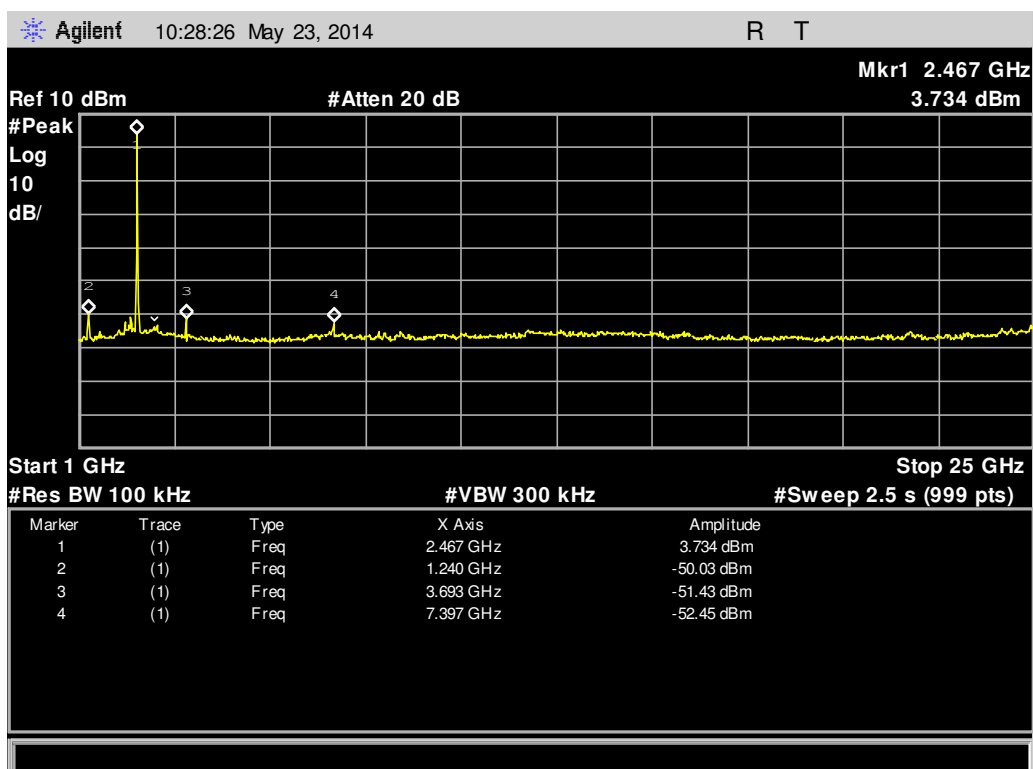
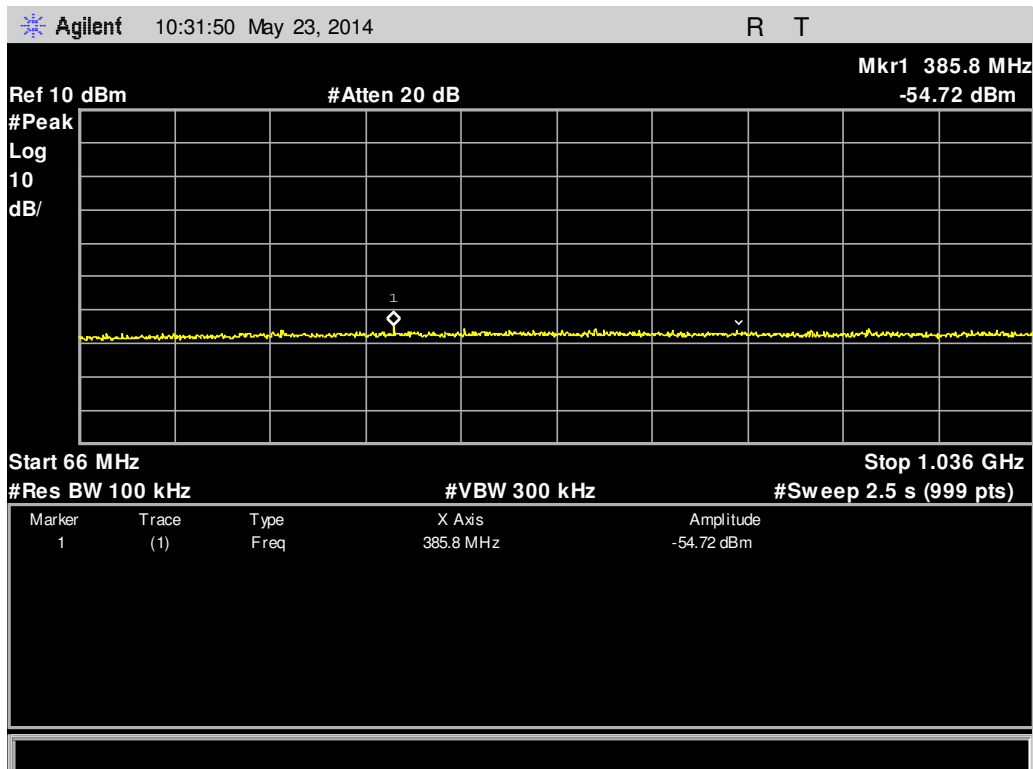
## Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of 802.11b

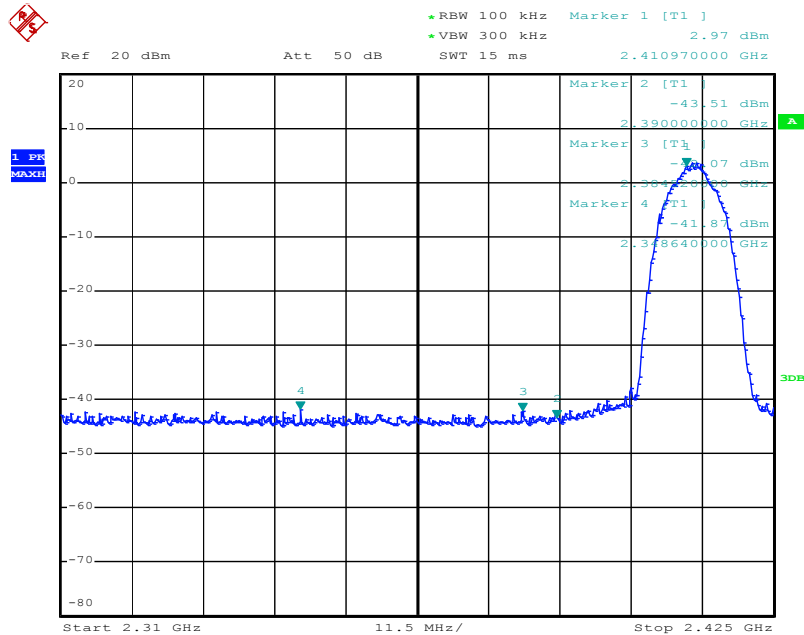
### Low Channel



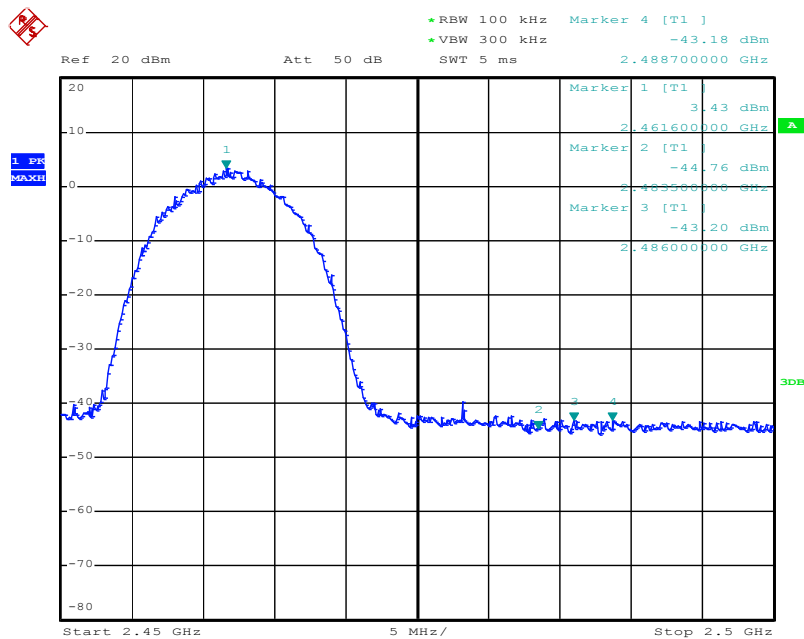
**Middle Channel**


## High Channel



**Band Edge**


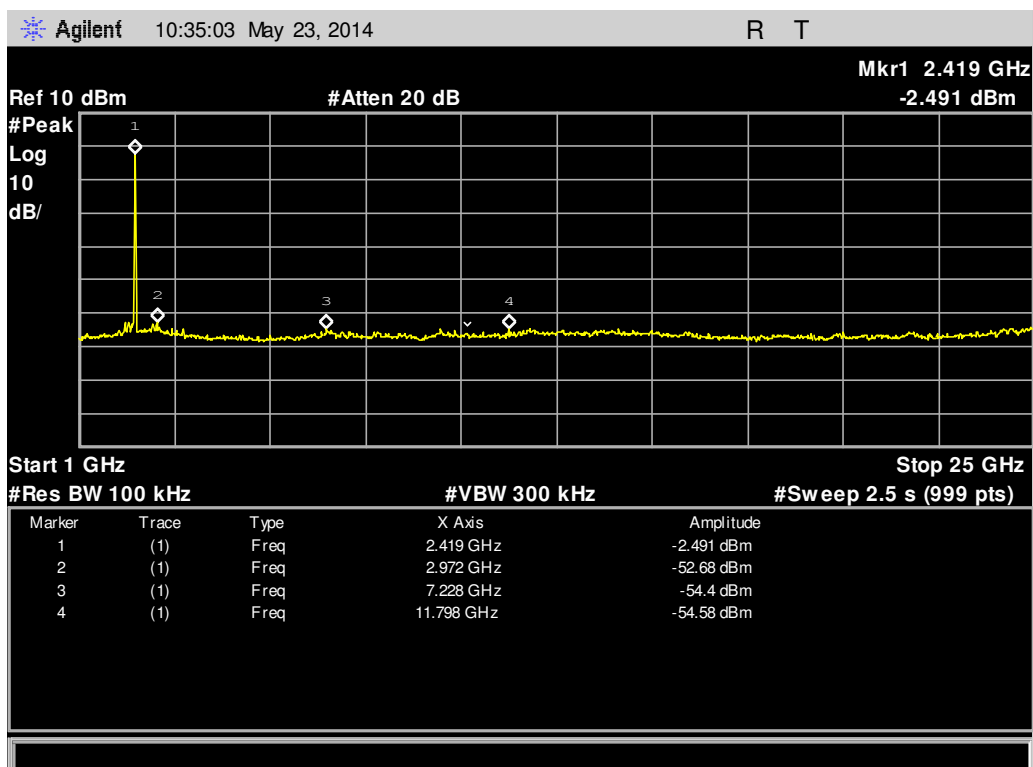
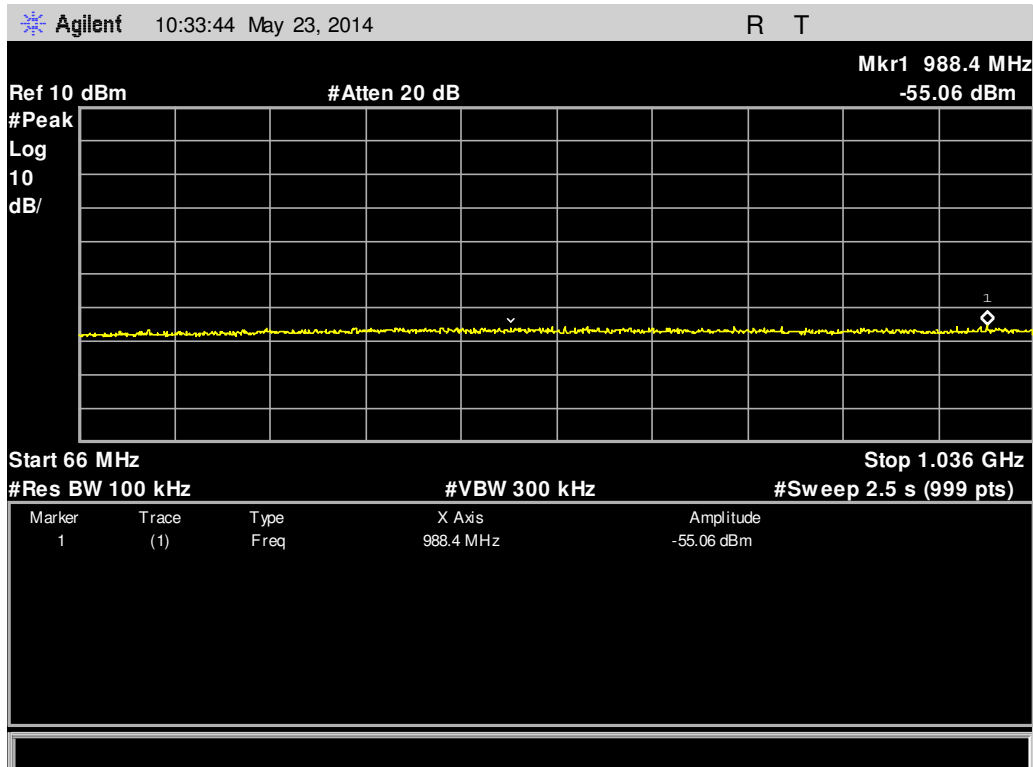
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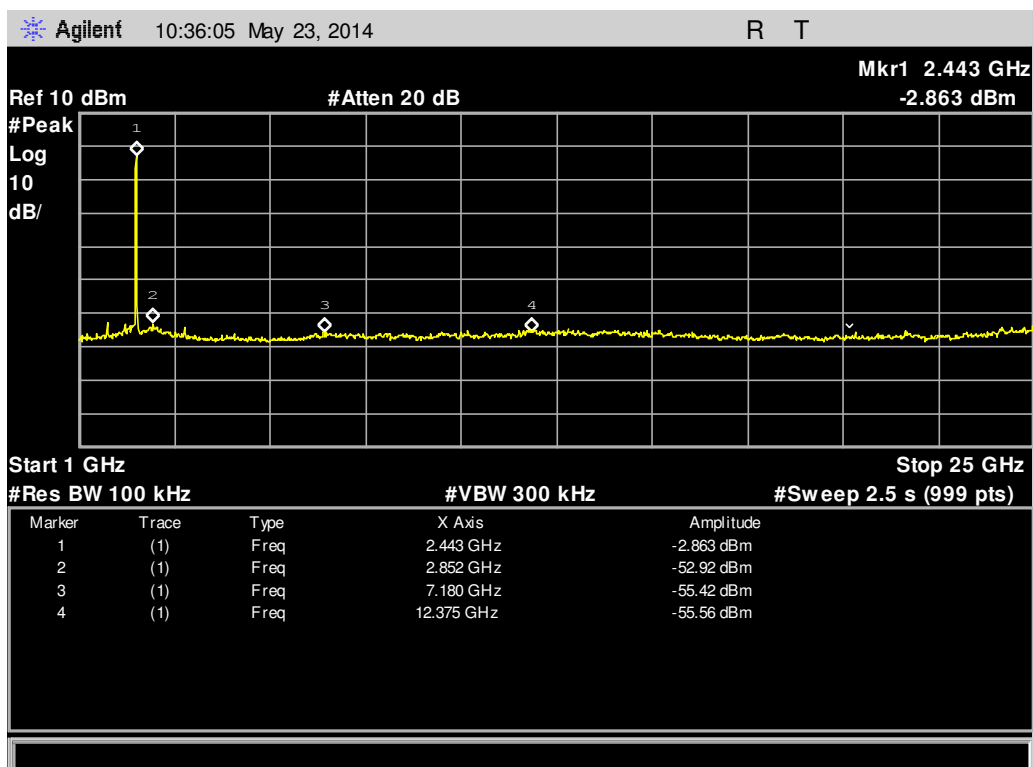
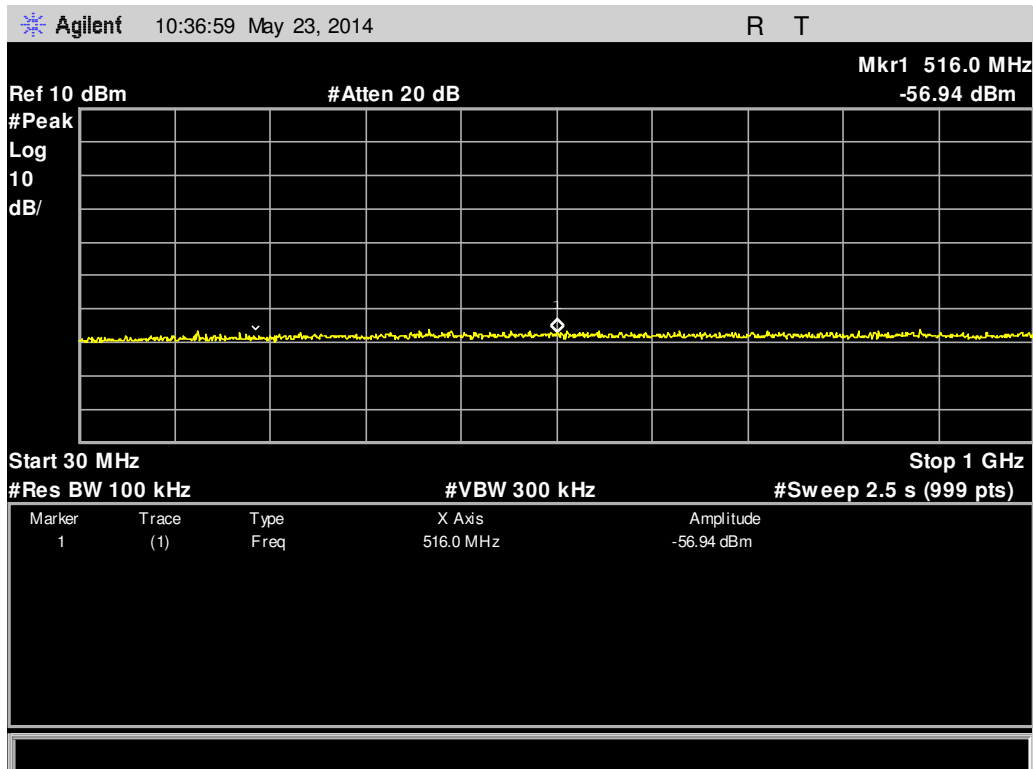


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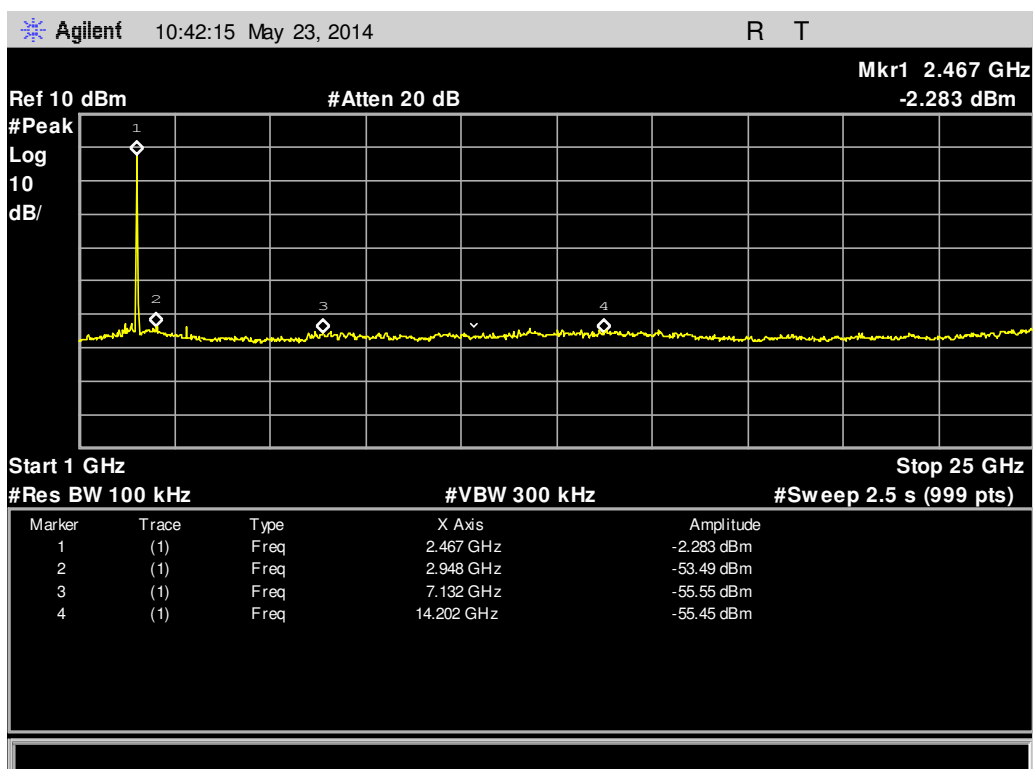
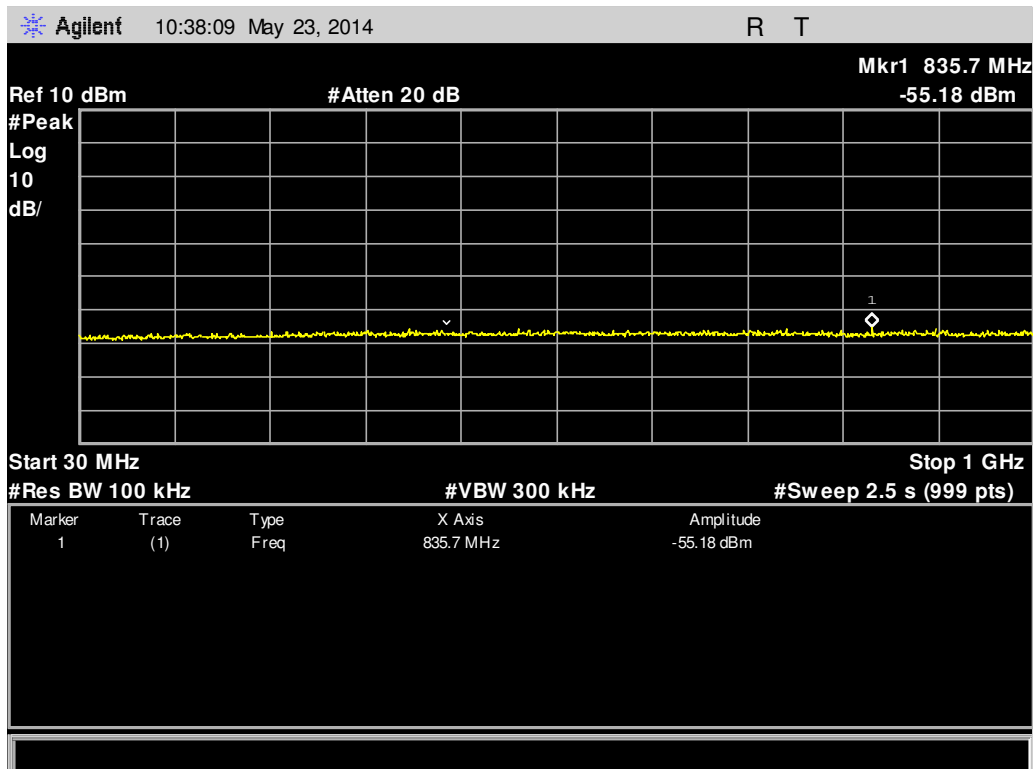
## Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of 802.11g

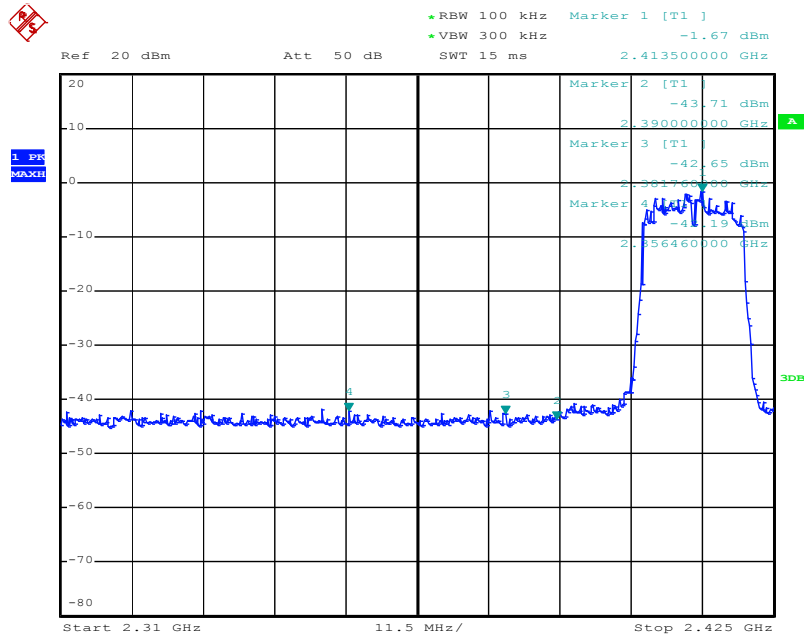
### Low Channel



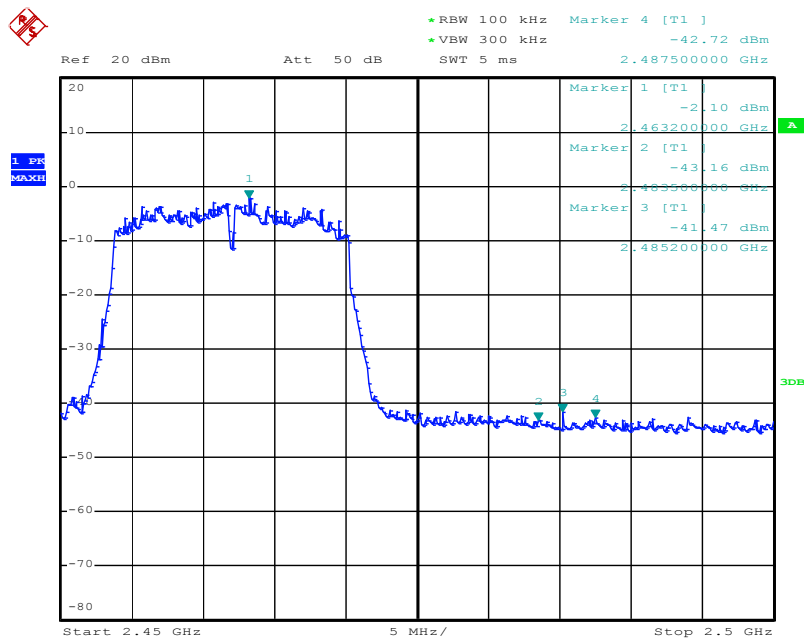
**Middle Channel**


## High Channel



**Band Edge**


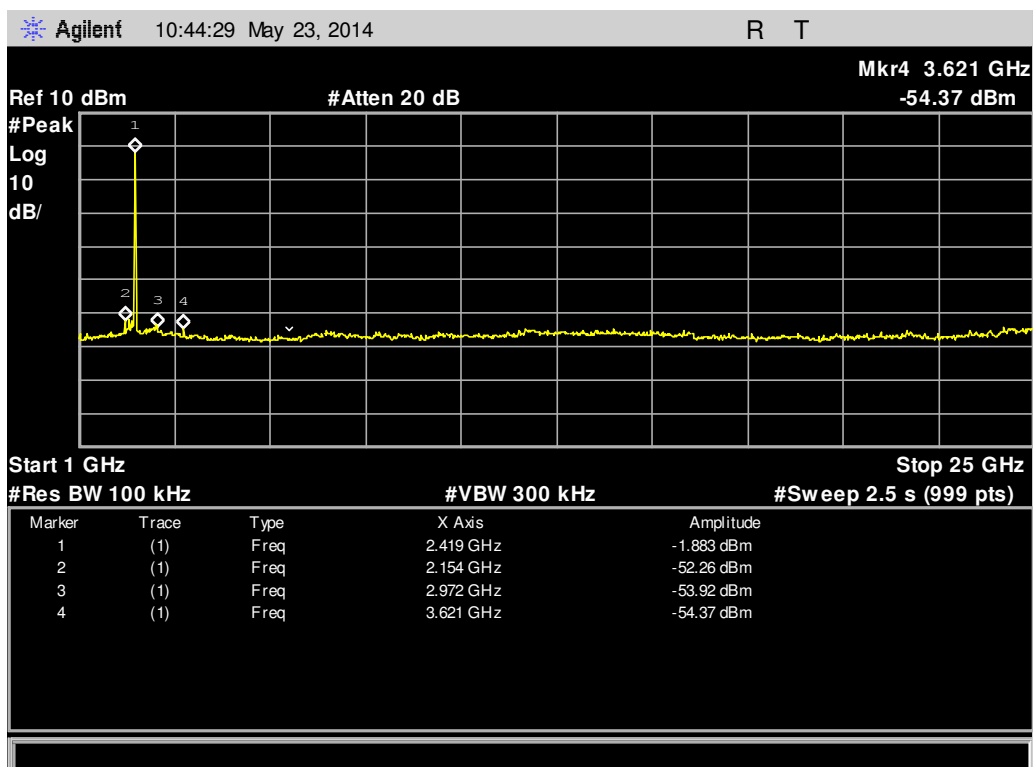
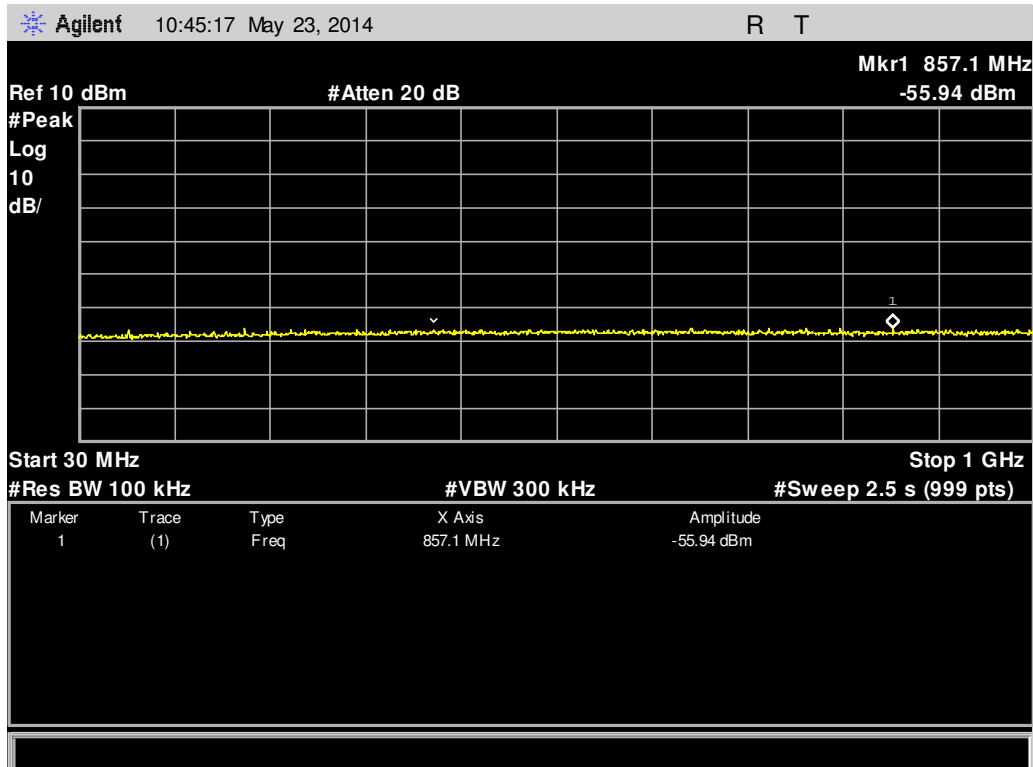
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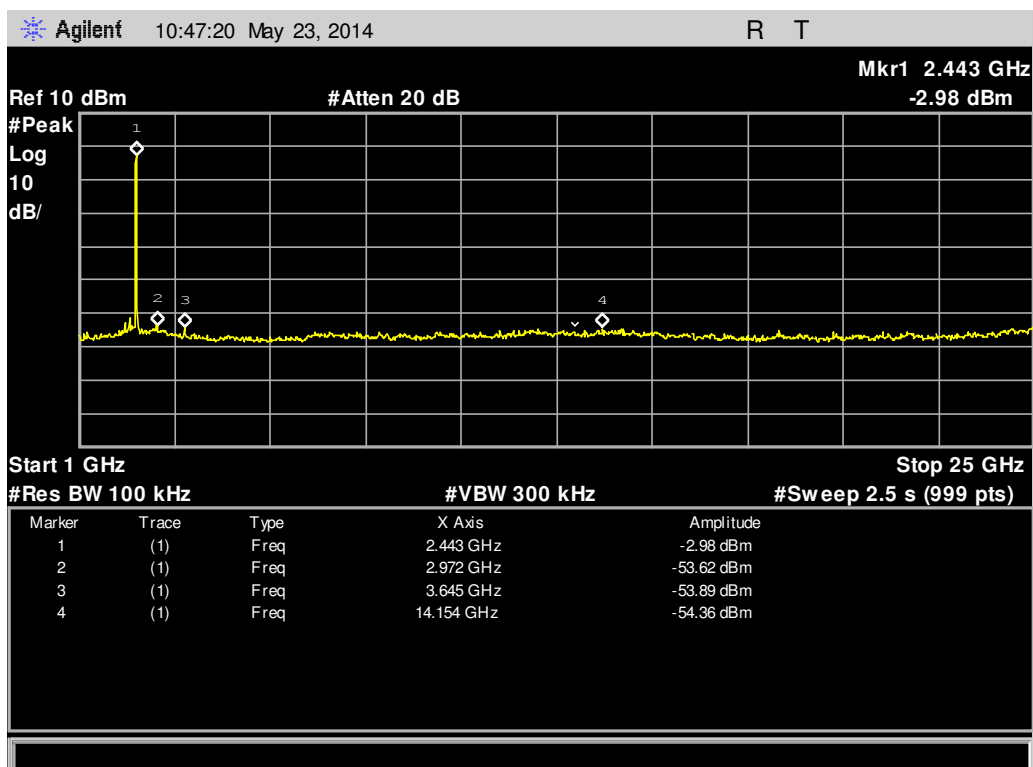
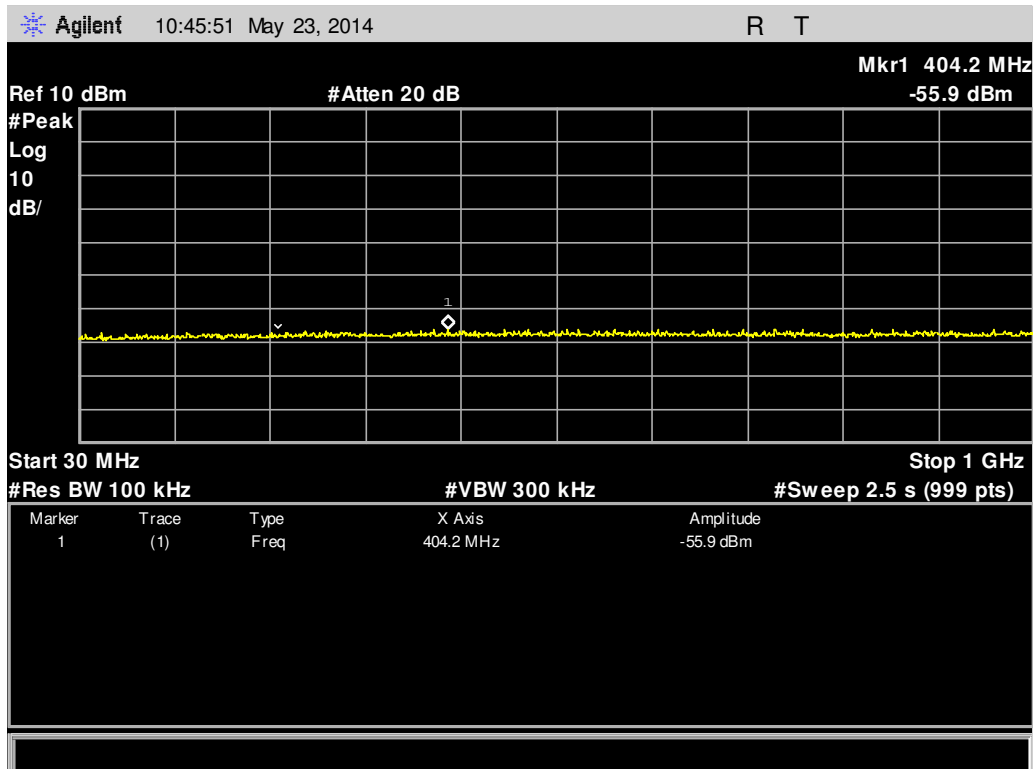


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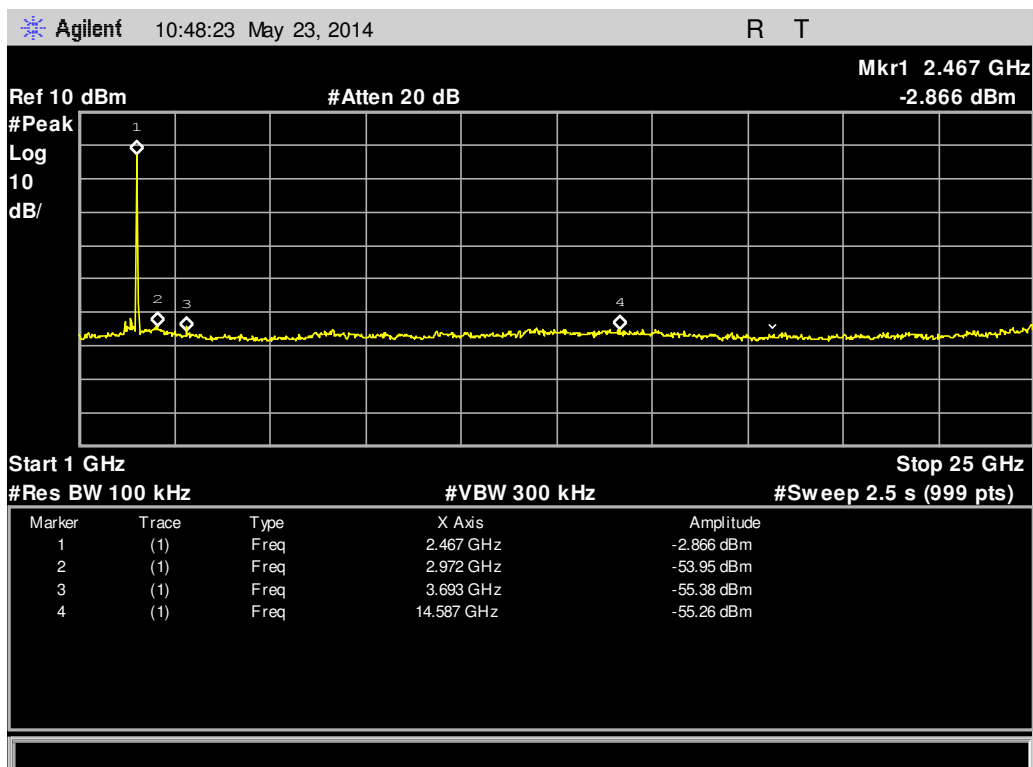
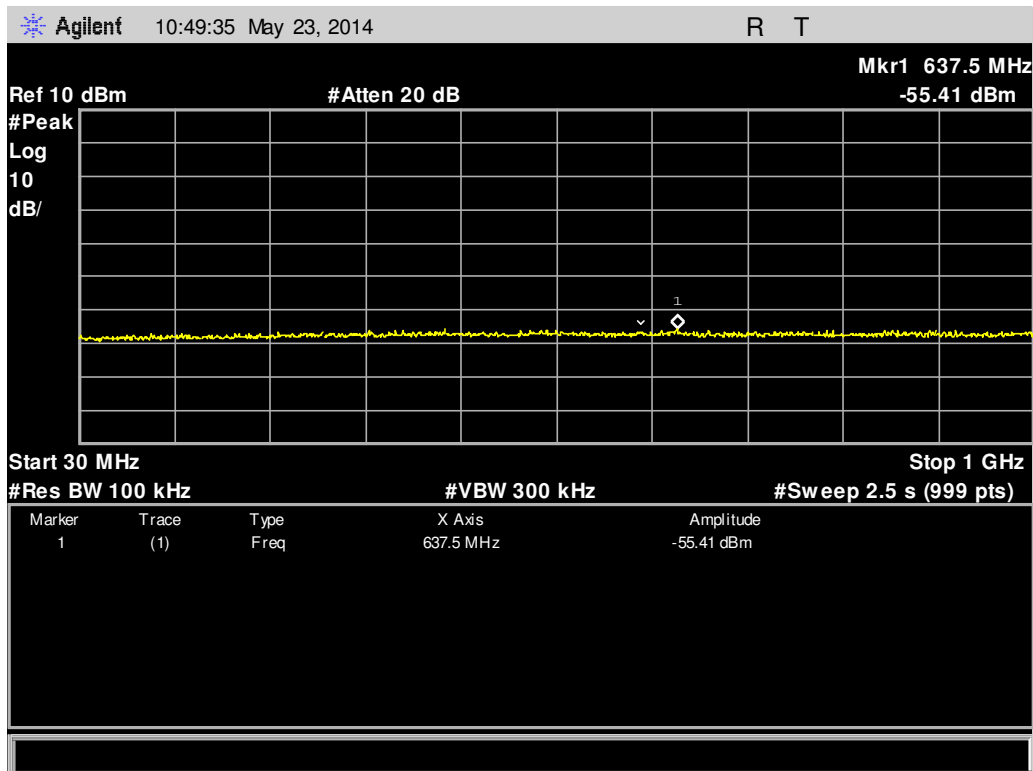
## Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of 802.11n

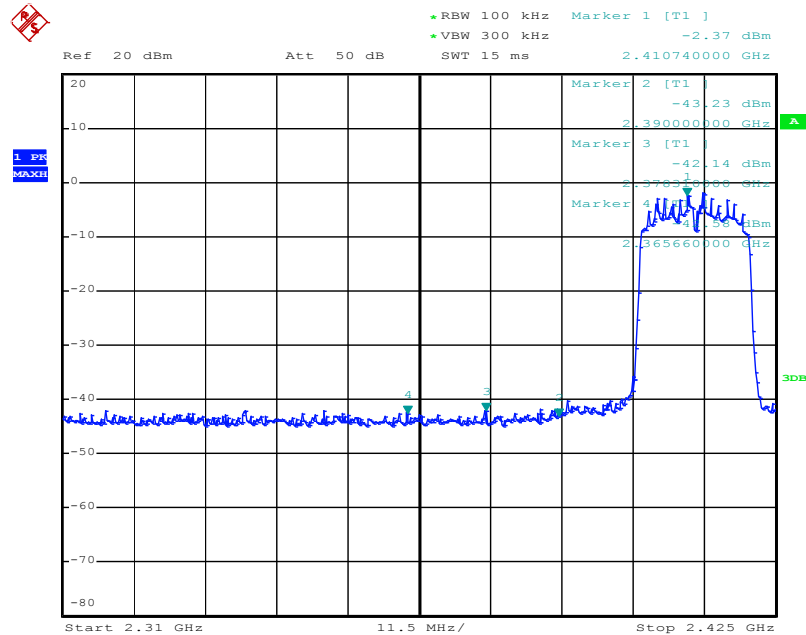
### Low Channel



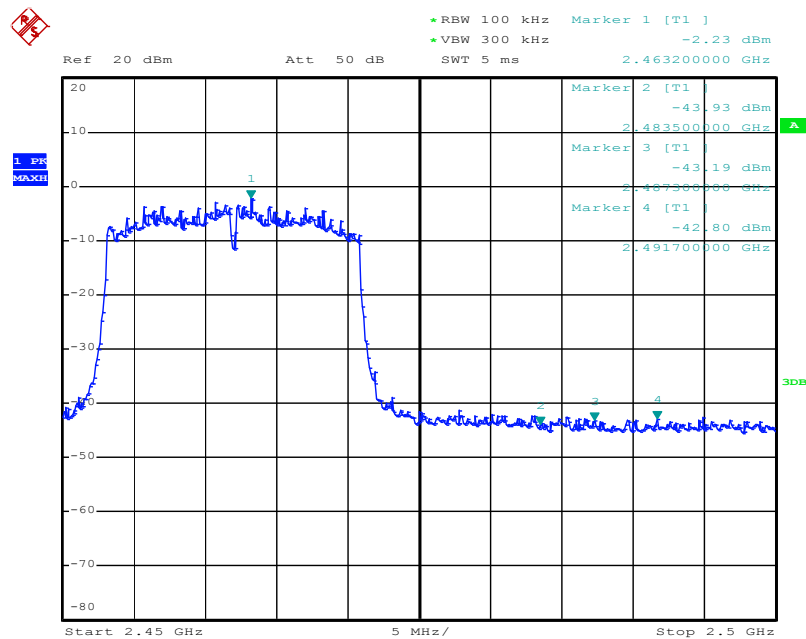
**Middle Channel**


## High Channel



**Band Edge**


Date: 24.MAY.2014 17:12:12



Date: 24.MAY.2014 17:09:40



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**5.1.7 Spurious Emission****RESULT:****Pass**

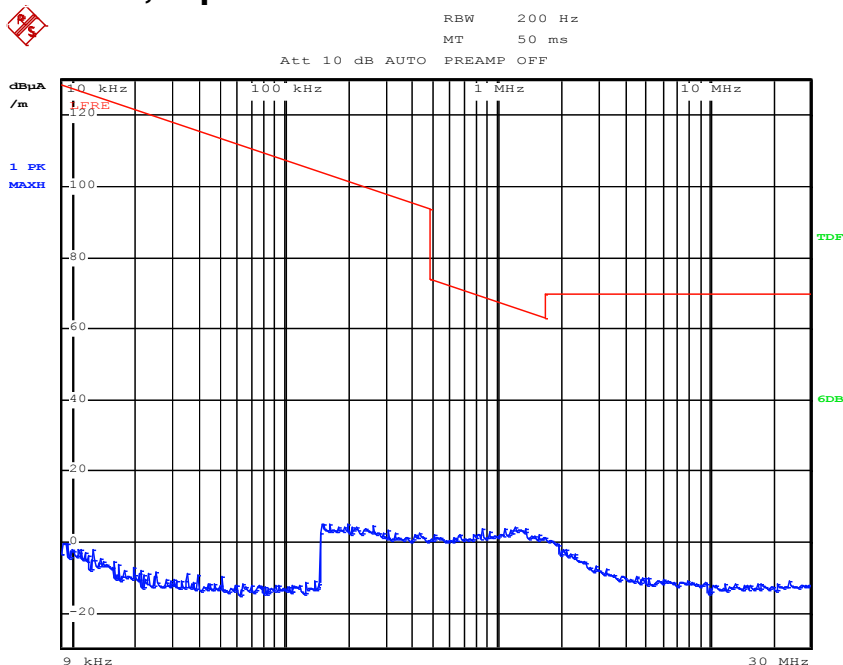
|                   |   |                                                    |
|-------------------|---|----------------------------------------------------|
| Date of testing   | : | 2014-05-24                                         |
| Test standard     | : | FCC part 15.247(d)<br>RSS-210 Clause 2.2           |
| Basic standard    | : | ANSI C63.4: 2003<br>Clause 11 of KDB 558074 v03r01 |
| Limits            | : | FCC part 15.209(a)                                 |
| Kind of test site | : | 3m Semi-Anechoic Chamber                           |

**Test setup**

|                      |   |                   |
|----------------------|---|-------------------|
| Test Channel         | : | Low/ Middle/ High |
| Operation mode       | : | A.1, A.2, A.3     |
| Ambient temperature  | : | 25°C              |
| Relative humidity    | : | 52%               |
| Atmospheric pressure | : | 101kPa            |

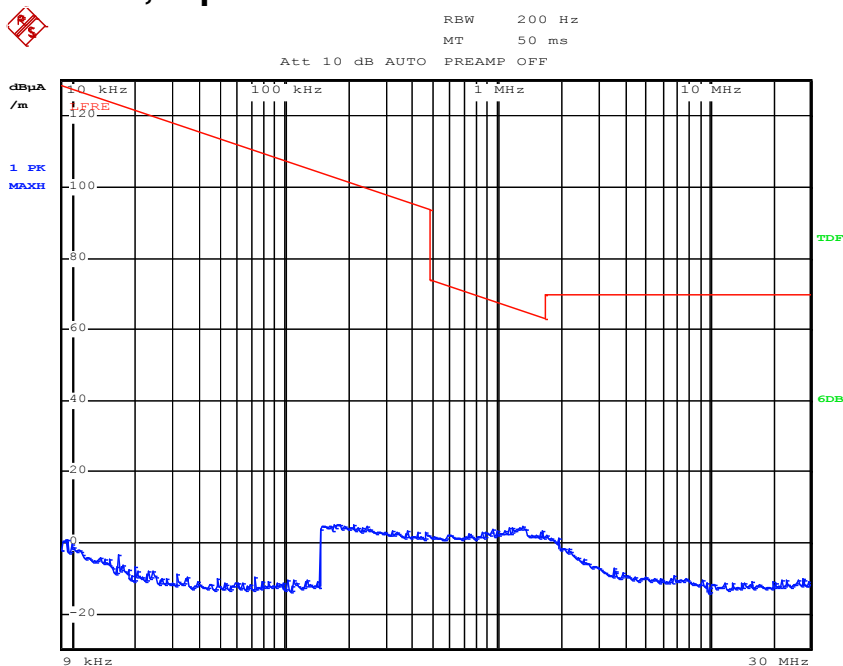
For details refer to following test plot.

## Test Plot of Spurious Emission of transmitting of Bluetooth BDR mode Low channel, X polarization:



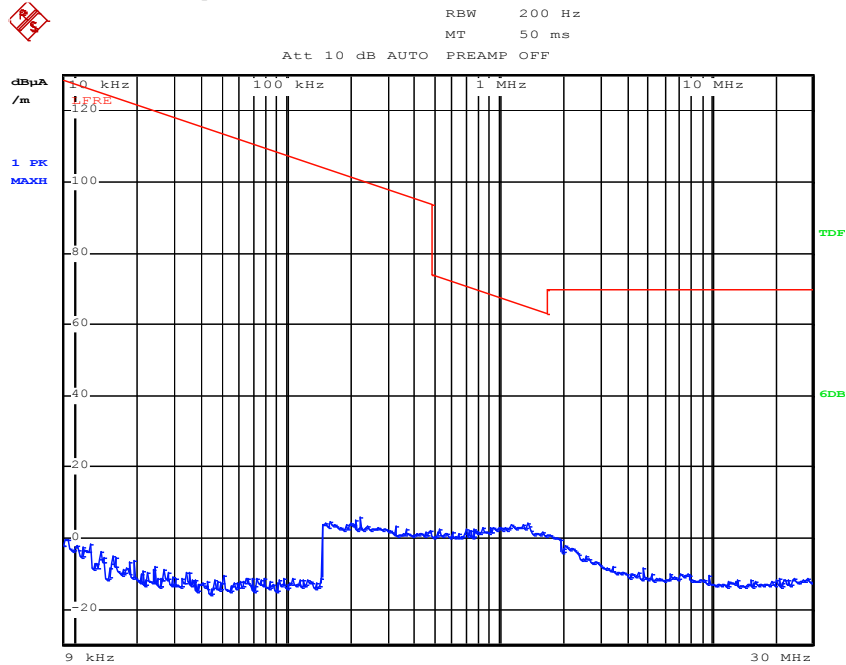
Date: 24.MAY.2014 11:01:47

## Low channel, Y polarization:



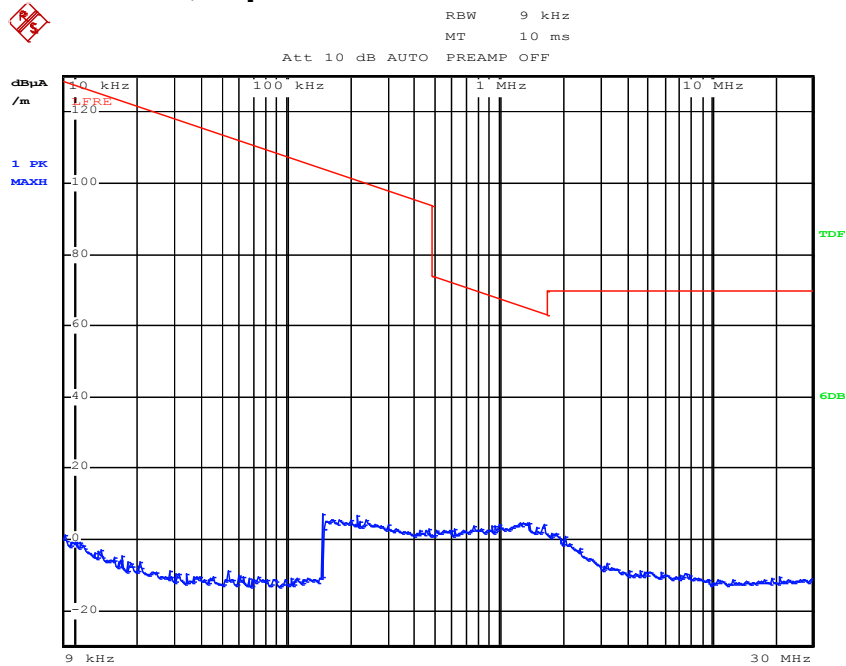
Date: 24.MAY.2014 11:07:48

## Low channel, Z polarization:



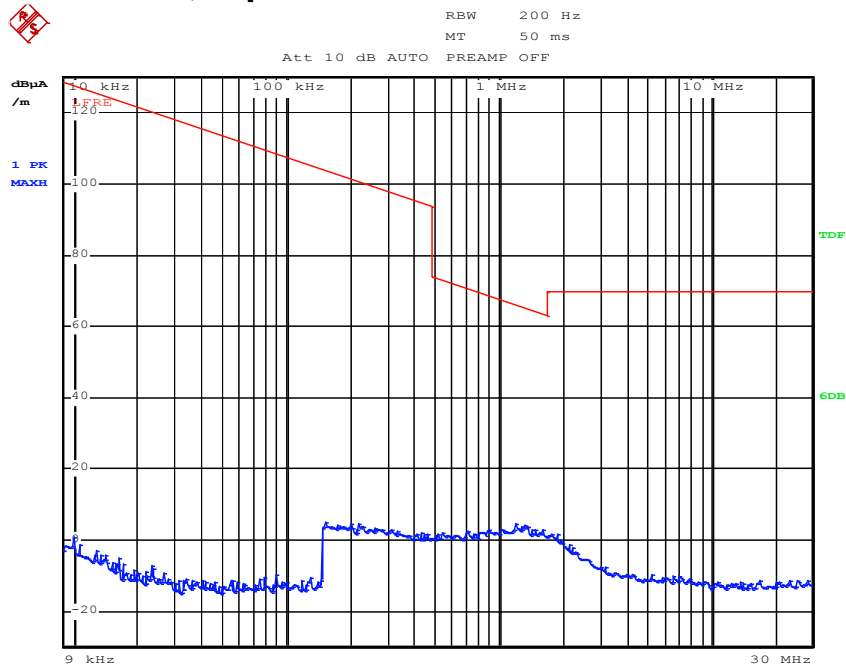
Date: 24.MAY.2014 11:09:44

## Middle channel, X polarization:



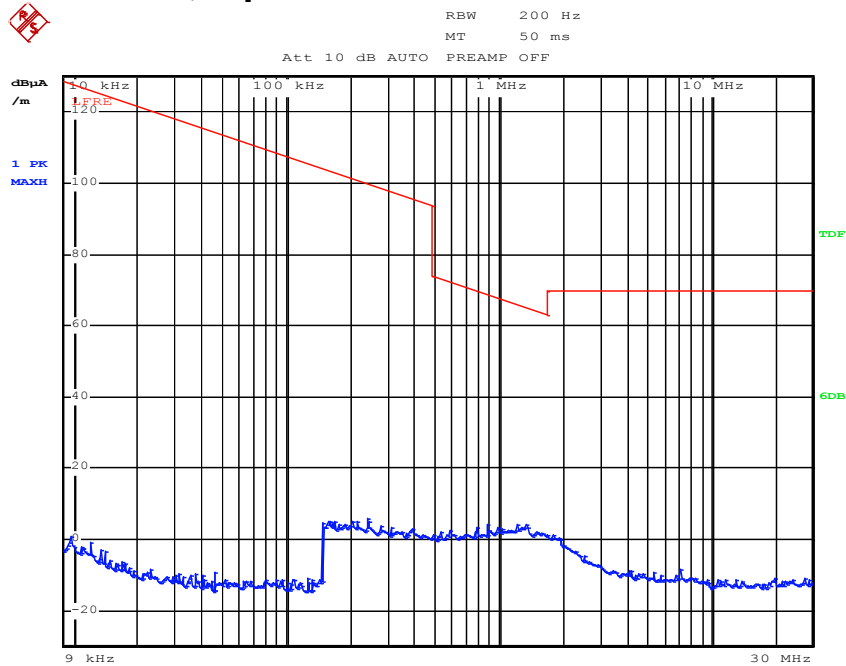
Date: 24.MAY.2014 11:18:06

### Middle channel, Y polarization:



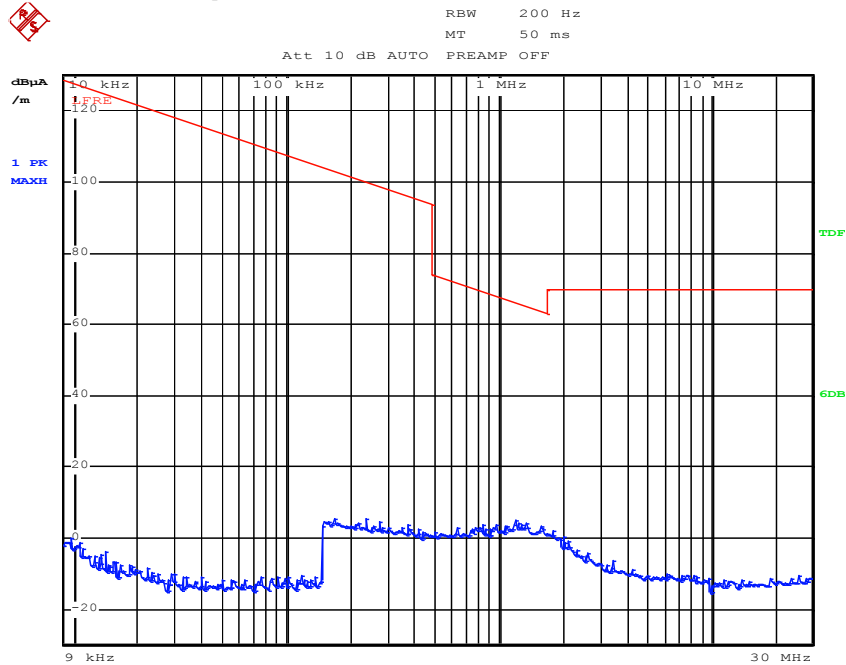
Date: 24.MAY.2014 11:20:02

### Middle channel, Z polarization:



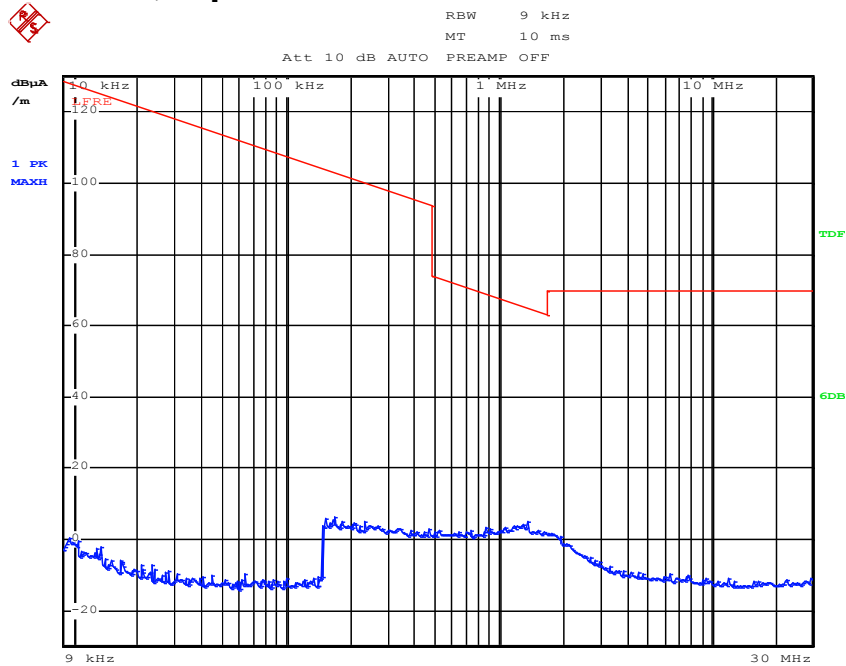
Date: 24.MAY.2014 11:22:30

## High channel, X polarization:



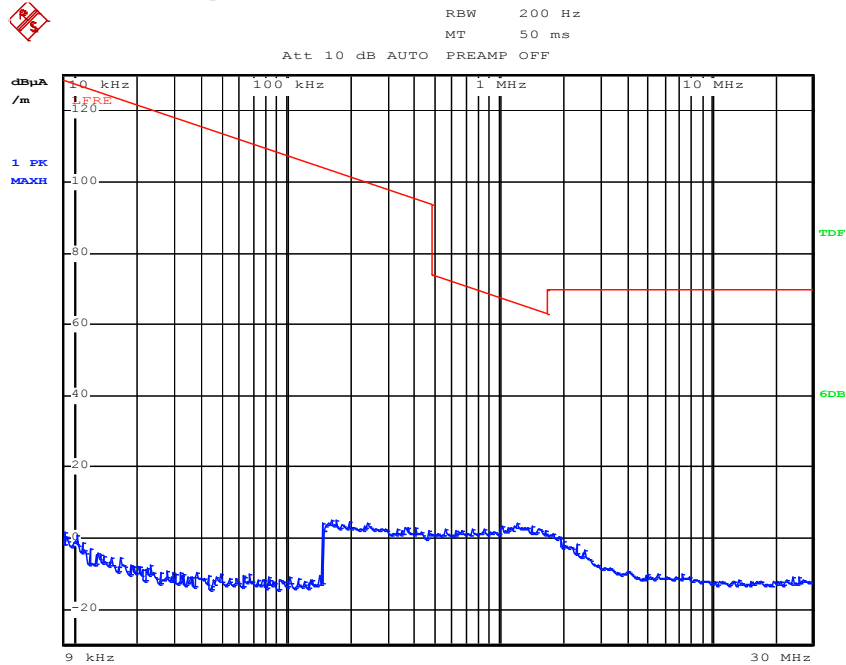
Date: 24.MAY.2014 11:24:24

## High channel, Y polarization:



Date: 24.MAY.2014 11:27:40

## High channel, Z polarization:



Date: 24.MAY.2014 11:30:20


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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1655

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/17/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

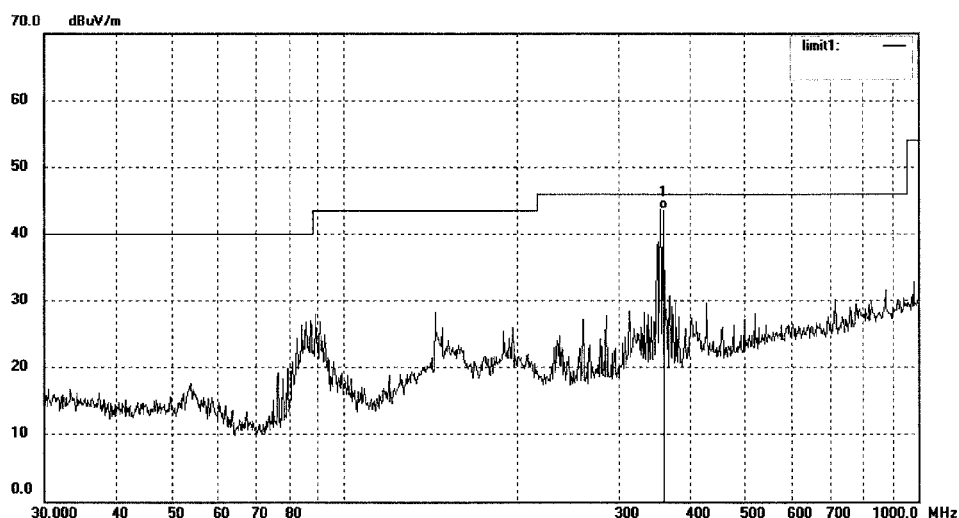
Mode: TX 2402MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0167       | 51.21               | -7.61          | 43.60              | 46.00             | -2.40          | QP       |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1656

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/17/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

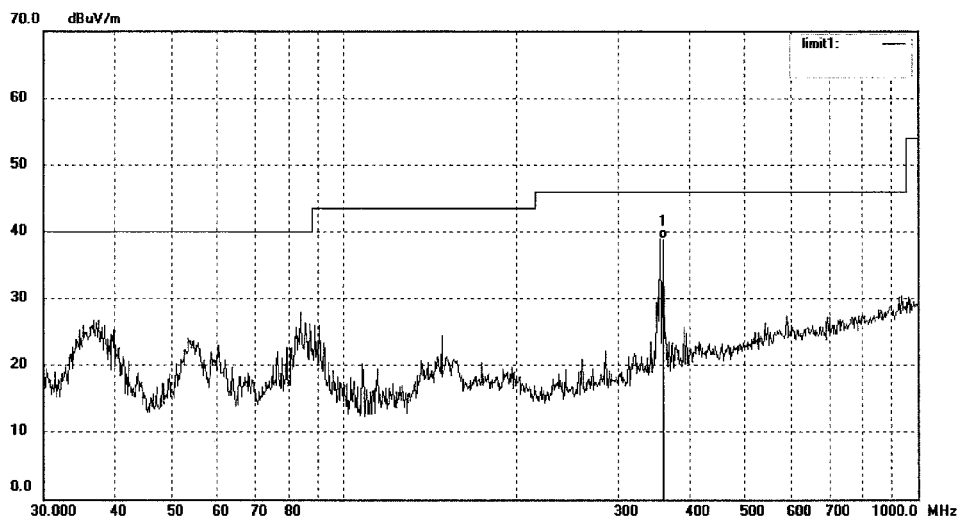
Mode: TX 2402MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0791       | 46.49               | -7.61          | 38.88              | 46.00             | -7.12          | QP       |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1658

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: TX 2441MHz

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Horizontal

Power Source: AC 120V/60Hz

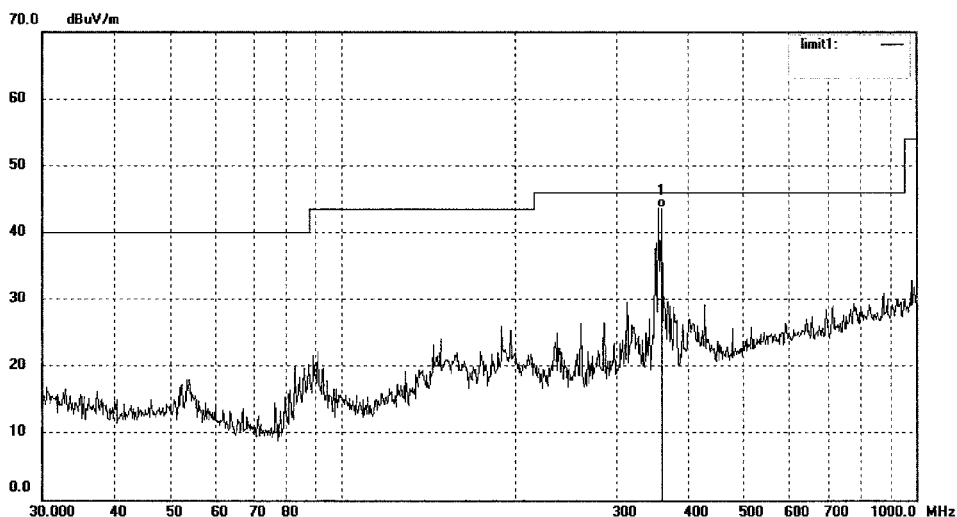
Date: 14/05/17/

Time:

Engineer Signature: PEI

Distance:

Note: Bluetooth



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0709       | 51.25               | -7.61          | 43.64              | 46.00             | -2.36          | QP       |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1657

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: TX 2441MHz

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Vertical

Power Source: AC 120V/60Hz

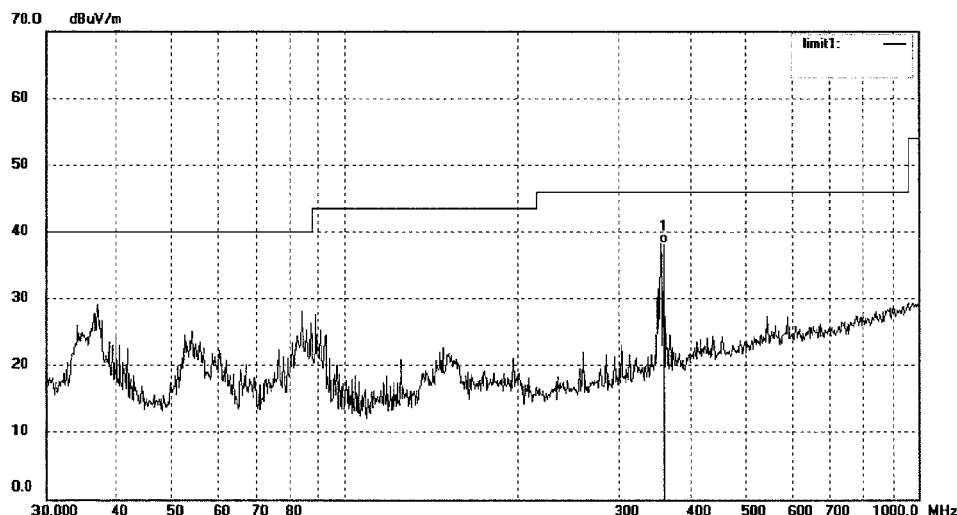
Date: 14/05/17/

Time:

Engineer Signature: PEI

Distance:

Note: Bluetooth



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0351       | 45.83               | -7.61          | 38.22              | 46.00             | -7.78          | QP       |                |                  |        |


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Site: 2# Chamber

Tel: +86-0755-26503290  
Fax: +86-0755-26503396

Job No.: PHY #1659

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/17/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

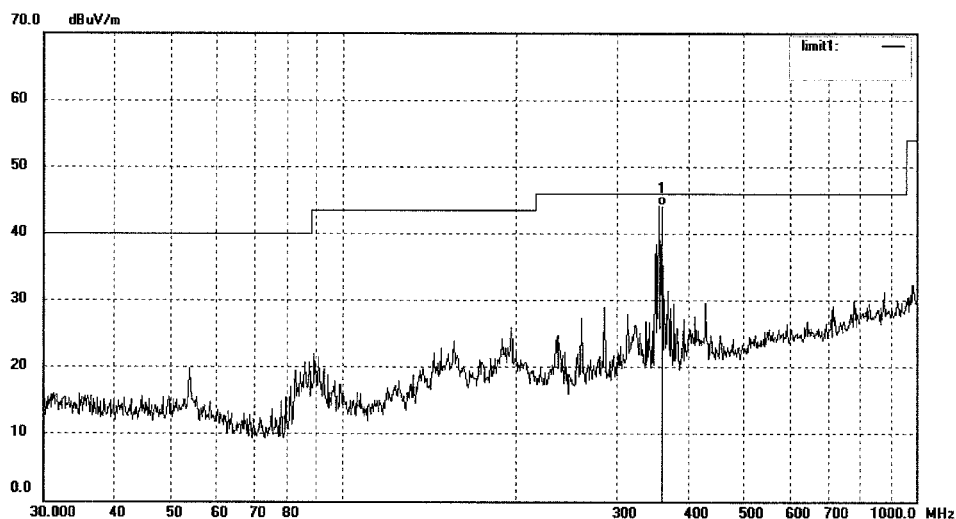
Mode: TX 2480MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0421       | 51.84               | -7.61          | 44.23              | 46.00             | -1.77          | QP       |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1660

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/17/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

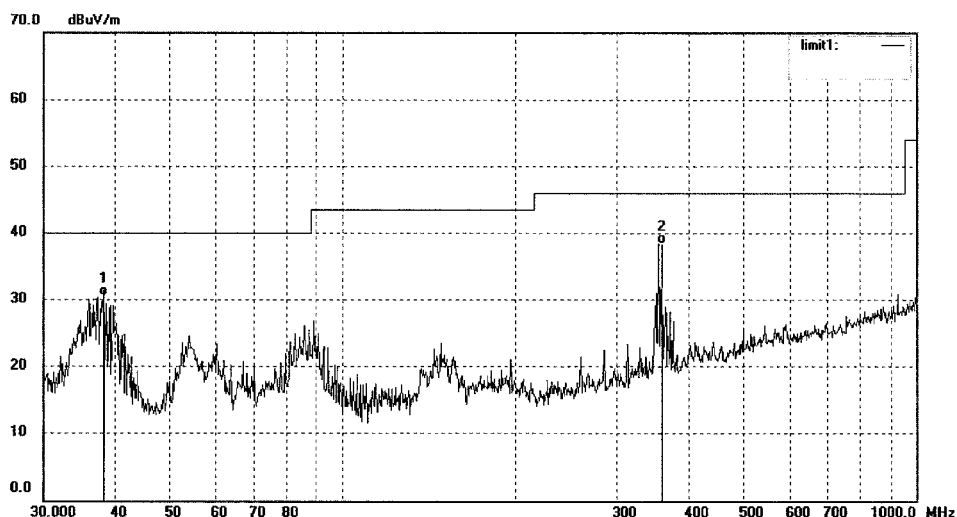
Mode: TX 2480MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 38.2305        | 41.62               | -11.14         | 30.48              | 40.00             | -9.52          | QP       |                |                  |        |
| 2   | 360.0299       | 46.10               | -7.61          | 38.49              | 46.00             | -7.51          | QP       |                |                  |        |


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Tel:+86-0755-26503290

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Job No.: PHY #1704

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

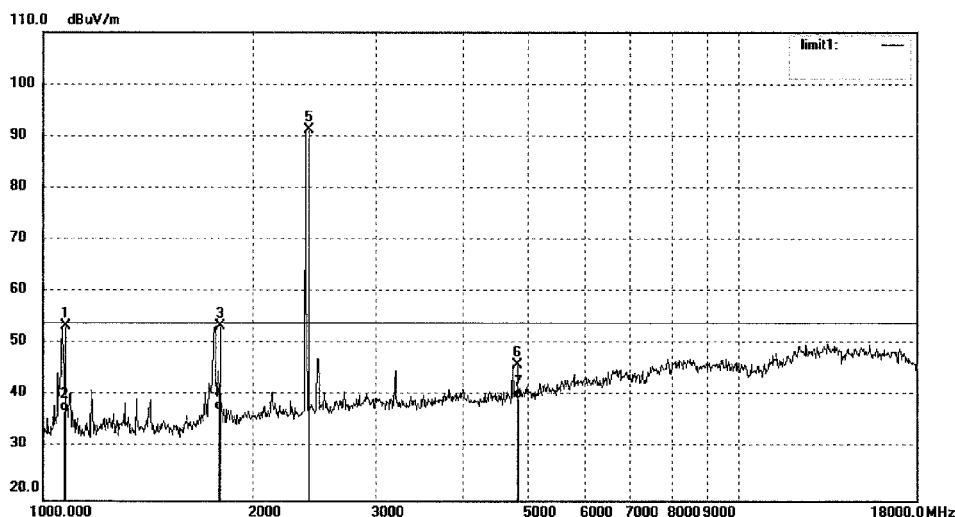
Mode: TX 2402MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 1080.113    | 66.11            | -12.64      | 53.47           | 74.00          | -20.53      | peak     |             |               |        |
| 2   | 1080.113    | 49.54            | -12.64      | 36.90           | 54.00          | -17.10      | AVG      |             |               |        |
| 3   | 1799.971    | 63.44            | -10.04      | 53.40           | 74.00          | -20.60      | peak     |             |               |        |
| 4   | 1799.971    | 47.24            | -10.04      | 37.20           | 54.00          | -16.80      | AVG      |             |               |        |
| 5   | 2402.000    | 98.72            | -7.45       | 91.27           | /              | /           | peak     |             |               |        |
| 6   | 4804.032    | 46.34            | -0.30       | 46.04           | 74.00          | -27.96      | peak     |             |               |        |
| 7   | 4804.032    | 39.68            | -0.30       | 39.38           | 54.00          | -14.62      | AVG      |             |               |        |


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Site: 2# Chamber

Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: PHY #1703

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

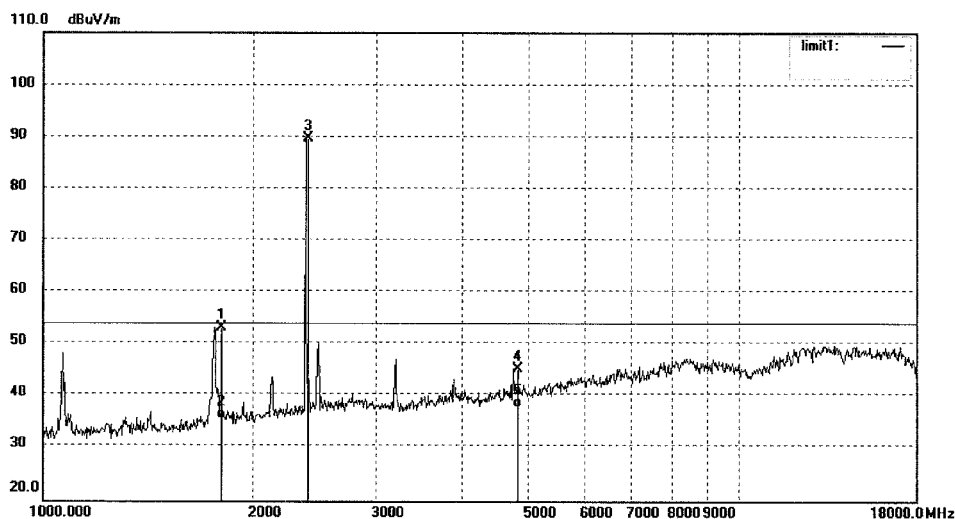
Mode: TX 2402MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 1801.210       | 63.29               | -10.04         | 53.25              | 74.00             | -20.75         | peak     |                |                  |        |
| 2   | 1801.210       | 45.74               | -10.04         | 35.70              | 54.00             | -18.30         | AVG      |                |                  |        |
| 3   | 2402.000       | 97.05               | -7.45          | 89.60              | /                 | /              | peak     |                |                  |        |
| 4   | 4804.020       | 45.66               | -0.30          | 45.36              | 74.00             | -28.64         | peak     |                |                  |        |
| 5   | 4804.020       | 38.25               | -0.30          | 37.95              | 54.00             | -16.05         | AVG      |                |                  |        |


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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1708

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

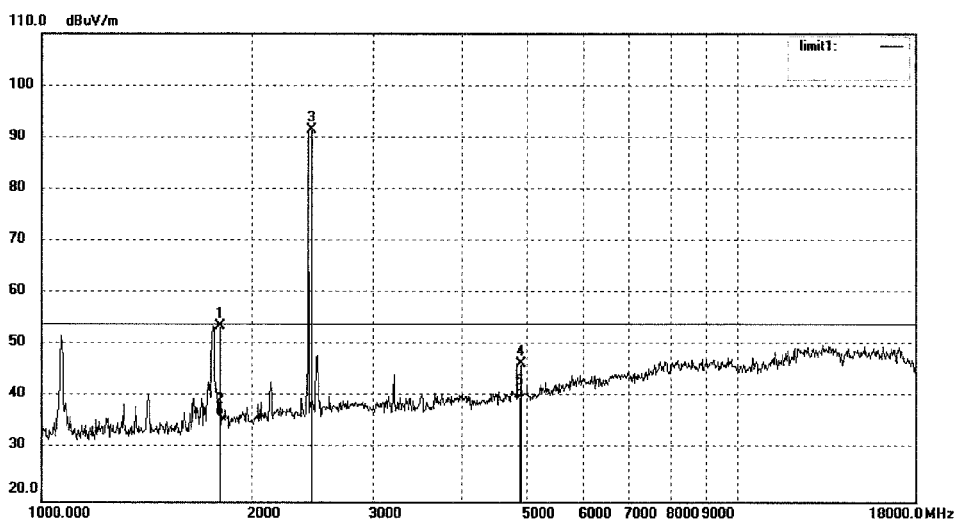
Mode: TX 2441MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 1801.211       | 63.63               | -10.04         | 53.59              | 74.00             | -20.41         | peak     |                |                  |        |
| 2   | 1801.211       | 46.34               | -10.04         | 36.30              | 54.00             | -17.70         | AVG      |                |                  |        |
| 3   | 2441.000       | 98.69               | -7.35          | 91.34              | /                 | /              | peak     |                |                  |        |
| 4   | 4882.015       | 46.21               | 0.14           | 46.35              | 74.00             | -27.65         | peak     |                |                  |        |
| 5   | 4882.015       | 39.75               | 0.14           | 39.89              | 54.00             | -14.11         | AVG      |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: PHY #1707

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

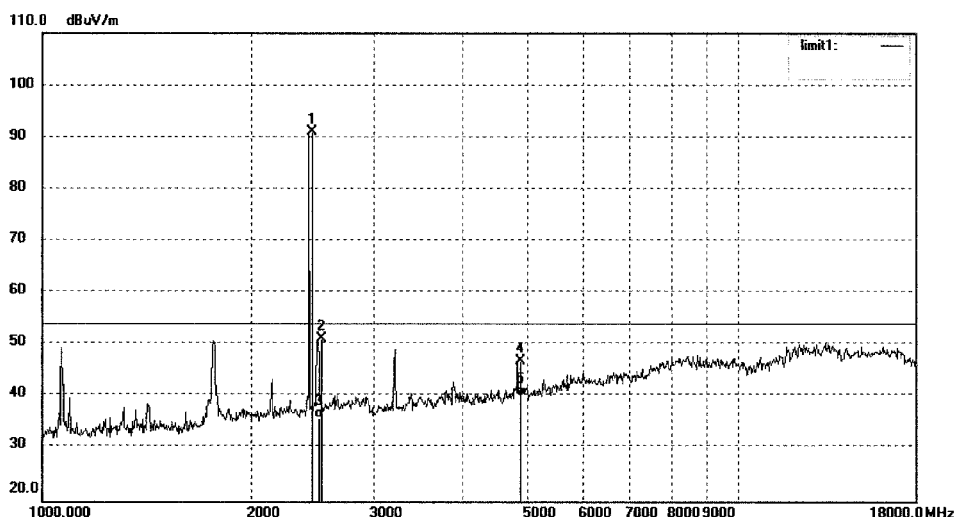
Mode: TX 2441MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2441.000       | 98.27               | -7.35          | 90.92              | /                 | /              | peak     |                |                  |        |
| 2   | 2520.695       | 58.42               | -7.22          | 51.20              | 74.00             | -22.80         | peak     |                |                  |        |
| 3   | 2520.695       | 43.02               | -7.22          | 35.80              | 54.00             | -18.20         | AVG      |                |                  |        |
| 4   | 4882.027       | 46.86               | 0.14           | 47.00              | 74.00             | -27.00         | peak     |                |                  |        |
| 5   | 4882.027       | 39.96               | 0.14           | 40.10              | 54.00             | -13.90         | AVG      |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

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Job No.: PHY #1709

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

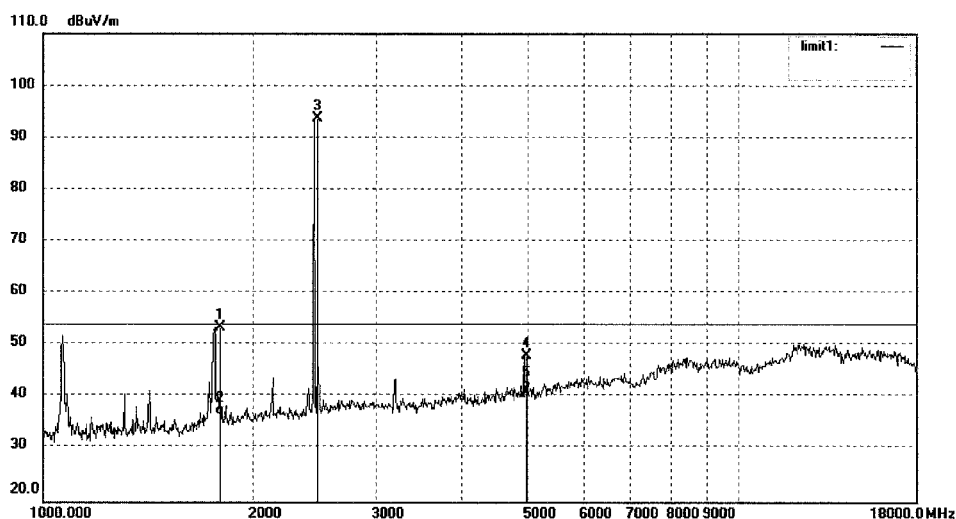
Mode: TX 2480MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 1799.957       | 63.53               | -10.04         | 53.49              | 74.00             | -20.51         | peak     |                |                  |        |
| 2   | 1799.957       | 46.54               | -10.04         | 36.50              | 54.00             | -17.50         | AVG      |                |                  |        |
| 3   | 2480.000       | 101.13              | -7.37          | 93.76              | /                 | /              | peak     |                |                  |        |
| 4   | 4960.016       | 47.48               | 0.52           | 48.00              | 74.00             | -26.00         | peak     |                |                  |        |
| 5   | 4960.016       | 40.95               | 0.52           | 41.47              | 54.00             | -12.53         | AVG      |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1710

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

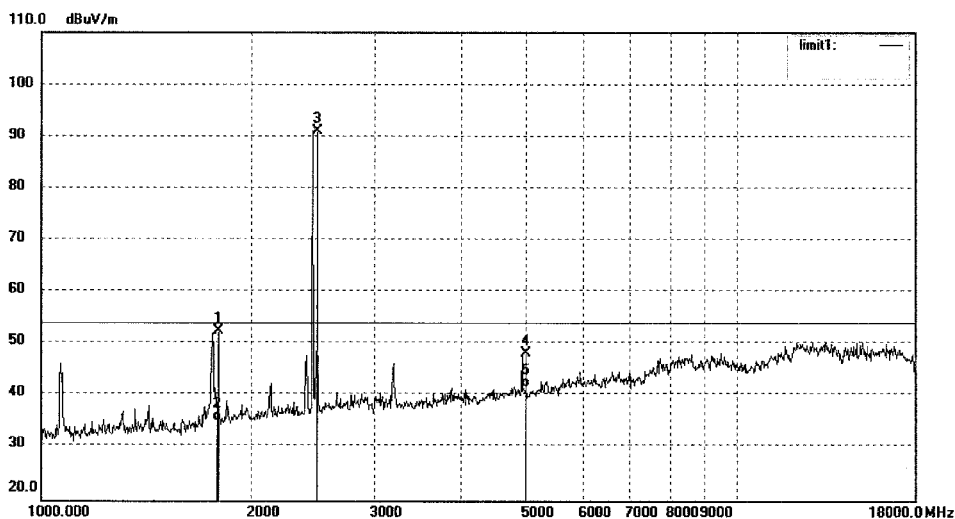
Mode: TX 2480MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 1799.319       | 62.55               | -10.04         | 52.51              | 74.00             | -21.49         | peak     |                |                  |        |
| 2   | 1799.319       | 45.14               | -10.04         | 35.10              | 54.00             | -18.90         | AVG      |                |                  |        |
| 3   | 2480.000       | 98.26               | -7.37          | 90.89              | /                 | /              | peak     |                |                  |        |
| 4   | 4960.038       | 47.68               | 0.52           | 48.20              | 74.00             | -25.80         | peak     |                |                  |        |
| 5   | 4960.038       | 41.23               | 0.52           | 41.75              | 54.00             | -12.25         | AVG      |                |                  |        |


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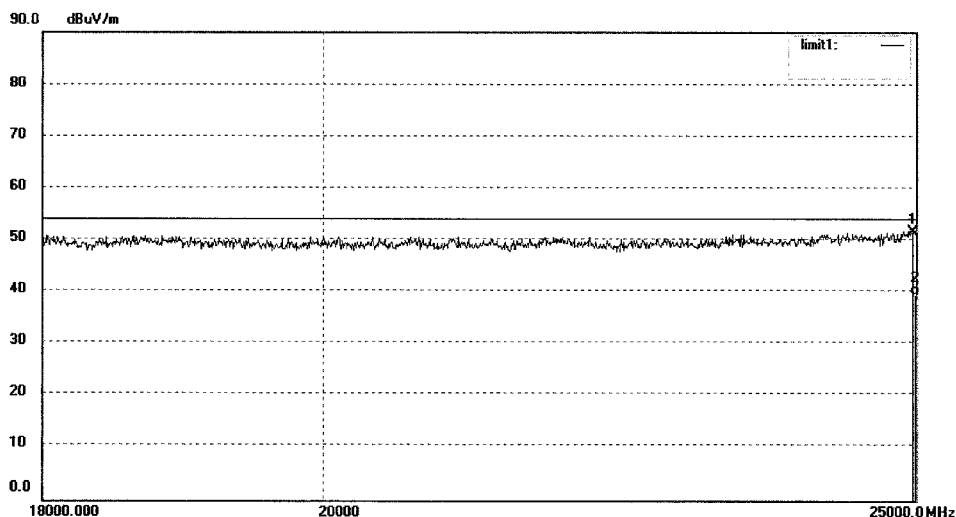
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

|                                   |                            |
|-----------------------------------|----------------------------|
| Job No.: PHY #1743                | Polarization: Horizontal   |
| Standard: FCC Class B 3M Radiated | Power Source: AC 120V/60Hz |
| Test item: Radiation Test         | Date: 14/05/18/            |
| Temp.( C)/Hum.(%) 23 C / 48 %     | Time:                      |
| EUT: MID                          | Engineer Signature: PEI    |
| Mode: TX 2402MHz                  | Distance:                  |
| Model: NS-15AT07                  |                            |
| Manufacturer: Yifang              |                            |

Note: Bluetooth



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24983.547      | 32.66               | 18.88          | 51.54              | 74.00             | -22.46         | peak     |                |                  |        |
| 2   | 24983.547      | 20.66               | 18.88          | 39.54              | 54.00             | -14.46         | AVG      |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1744

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

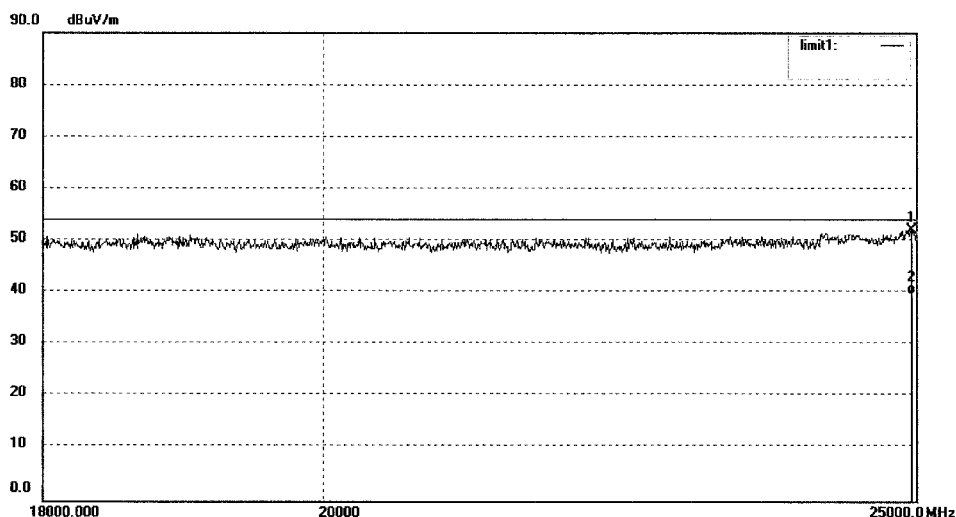
Mode: TX 2402MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24958.889      | 33.22               | 18.84          | 52.06              | 74.00             | -21.94         | peak     |                |                  |        |
| 2   | 24958.889      | 20.84               | 18.84          | 39.68              | 54.00             | -14.32         | AVG      |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1746

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

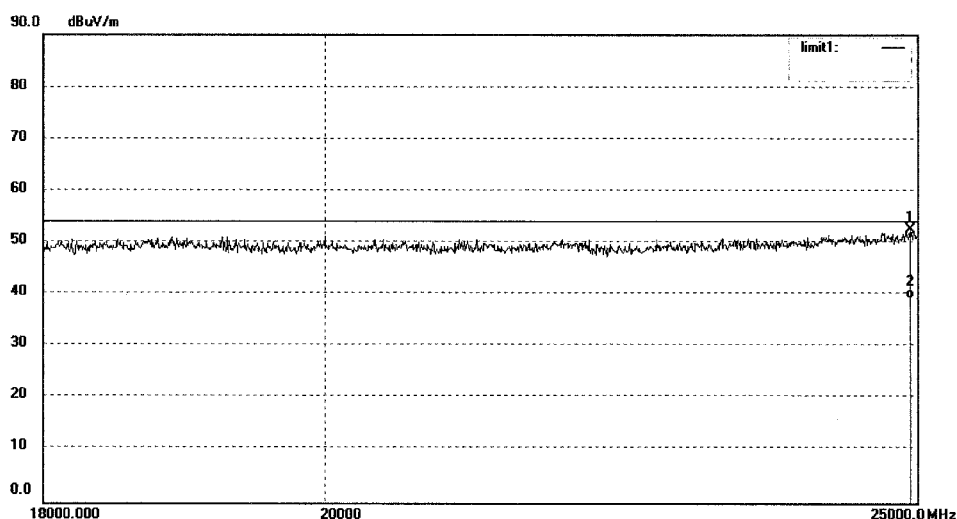
Mode: TX 2441MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24942.463      | 33.69               | 18.82          | 52.51              | 74.00             | -21.49         | peak     |                |                  |        |
| 2   | 24942.463      | 20.47               | 18.82          | 39.29              | 54.00             | -14.71         | AVG      |                |                  |        |


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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1745

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

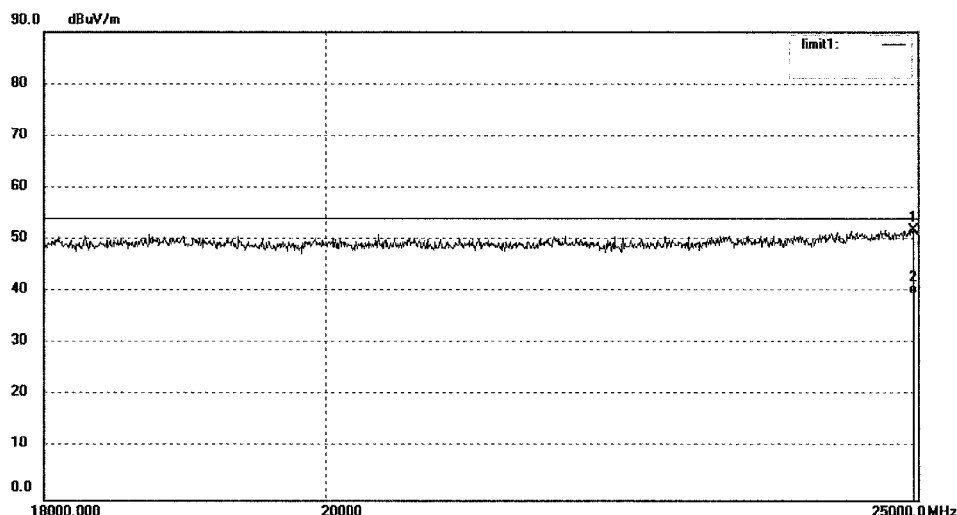
Mode: TX 2441MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24958.889      | 33.08               | 18.84          | 51.92              | 74.00             | -22.08         | peak     |                |                  |        |
| 2   | 24958.889      | 20.57               | 18.84          | 39.41              | 54.00             | -14.59         | AVG      |                |                  |        |


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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1747

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

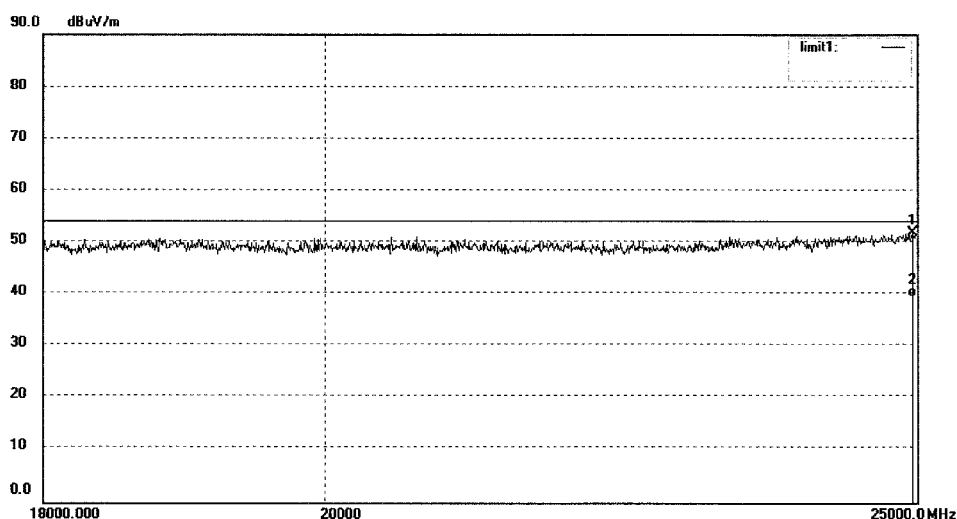
Mode: TX 2480MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24967.105      | 33.06               | 18.85          | 51.91              | 74.00             | -22.09         | peak     |                |                  |        |
| 2   | 24967.105      | 20.72               | 18.85          | 39.57              | 54.00             | -14.43         | AVG      |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1748

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

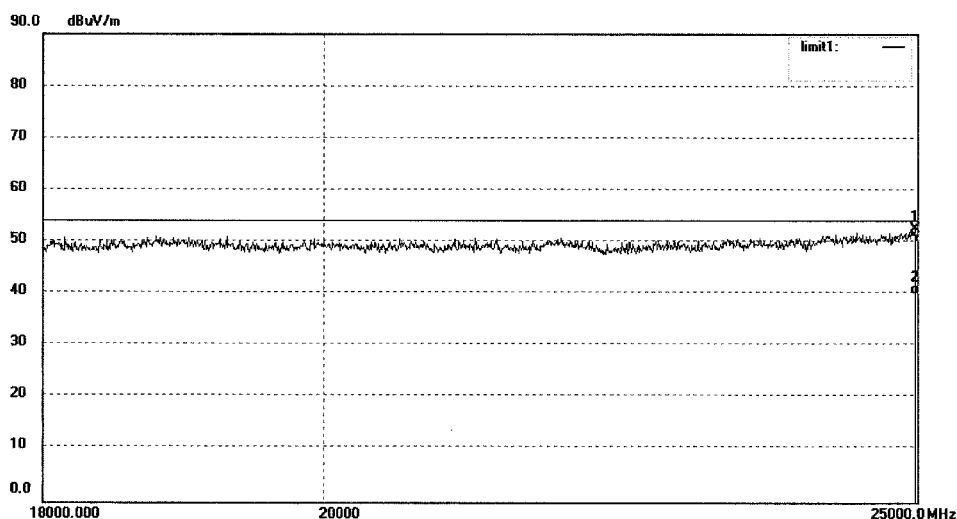
Mode: TX 2480MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 24983.547   | 33.56            | 18.88       | 52.44           | 74.00          | -21.56      | peak     |             |               |        |
| 2   | 24983.547   | 21.06            | 18.88       | 39.94           | 54.00          | -14.06      | AVG      |             |               |        |

## Test Plot of Frequency Band Edge of Bluetooth BDR mode


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Site: 2# Chamber

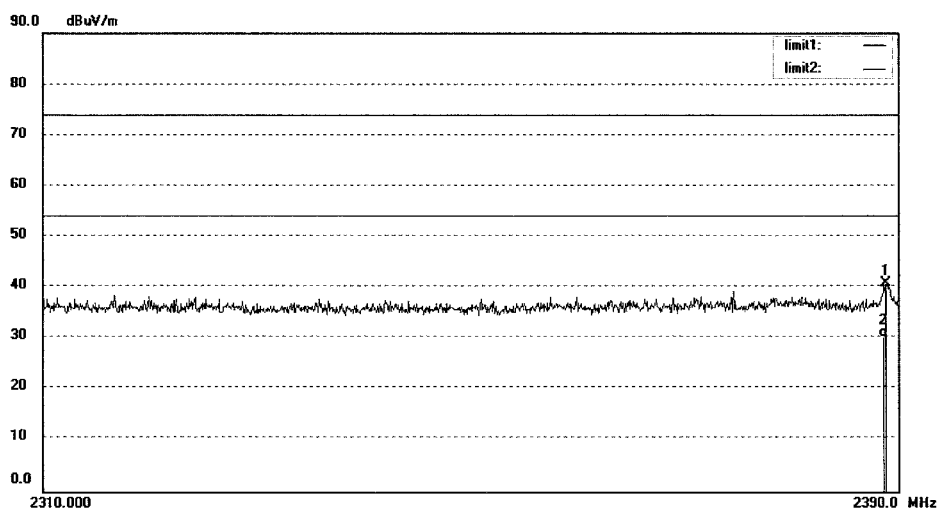
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1705  
Standard: FCC (Band Edge)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: MID  
Mode: TX 2402MHz  
Model: NS-15AT07  
Manufacturer: Yifang

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 14/05/18/  
Time:  
Engineer Signature: PEI  
Distance:

Note: Bluetooth



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2388.796    | 48.40            | -7.53       | 40.87           | 74.00          | -33.13      | peak     |             |               |        |
| 2   | 2388.796    | 37.83            | -7.53       | 30.30           | 54.00          | -23.70      | AVG      |             |               |        |


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Site: 2# Chamber

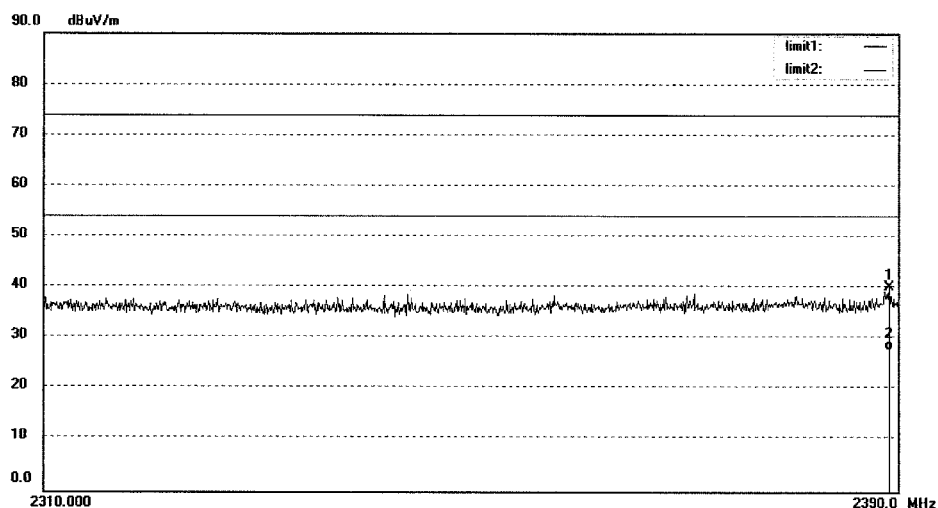
Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1706  
Standard: FCC (Band Edge)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: MID  
Mode: TX 2402MHz  
Model: NS-15AT07  
Manufacturer: Yifang

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 14/05/18/  
Time:  
Engineer Signature: PEI  
Distance:

Note: Bluetooth



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2389.138       | 47.71               | -7.53          | 40.18              | 74.00             | -33.82         | peak     |                |                  |        |
| 2   | 2389.138       | 35.43               | -7.53          | 27.90              | 54.00             | -26.10         | AVG      |                |                  |        |


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Site: 2# Chamber

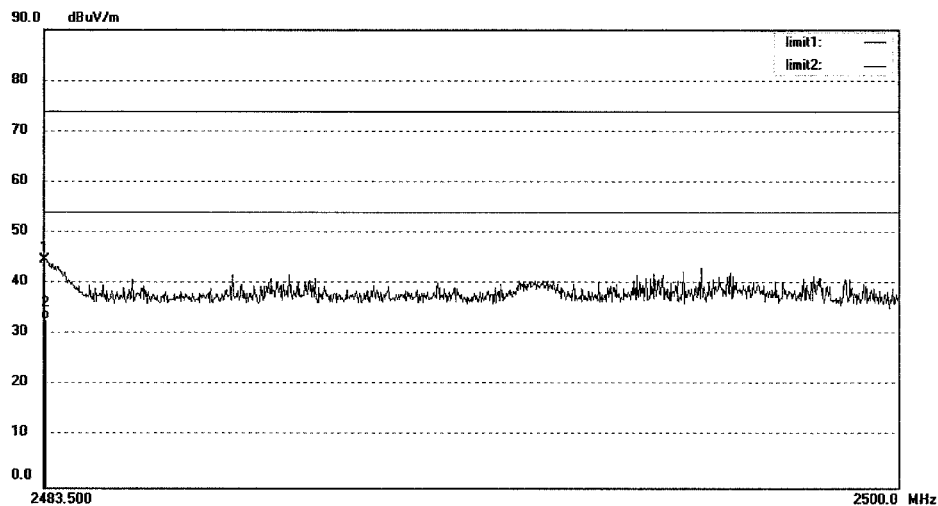
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1712  
Standard: FCC (Band Edge)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: MID  
Mode: TX 2480MHz  
Model: NS-15AT07  
Manufacturer: Yifang

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 14/05/18/  
Time:  
Engineer Signature: PEI  
Distance:

Note: Bluetooth



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2483.500       | 52.07               | -7.37          | 44.70              | 74.00             | -29.30         | peak     |                |                  |        |
| 2   | 2483.500       | 40.37               | -7.37          | 33.00              | 54.00             | -21.00         | AVG      |                |                  |        |


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Site: 2# Chamber

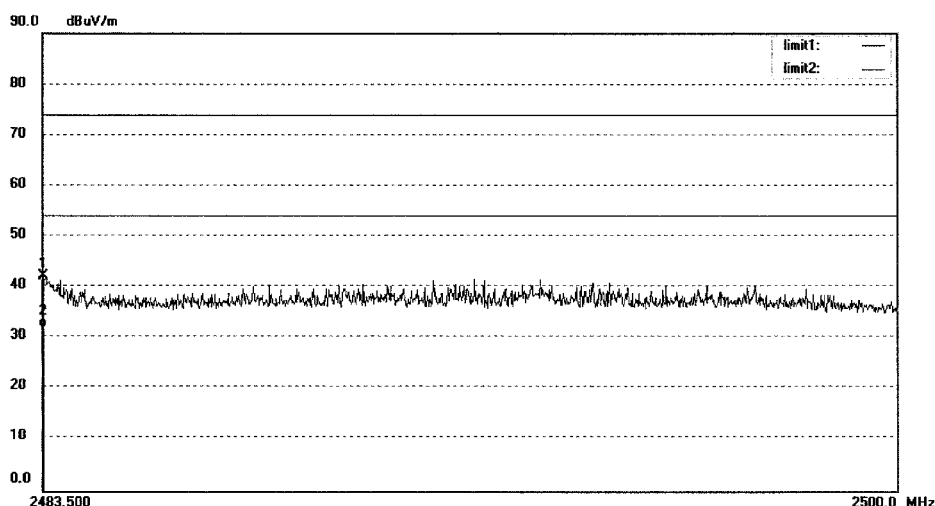
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1711  
Standard: FCC (Band Edge)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: MID  
Mode: TX 2480MHz  
Model: NS-15AT07  
Manufacturer: Yifang

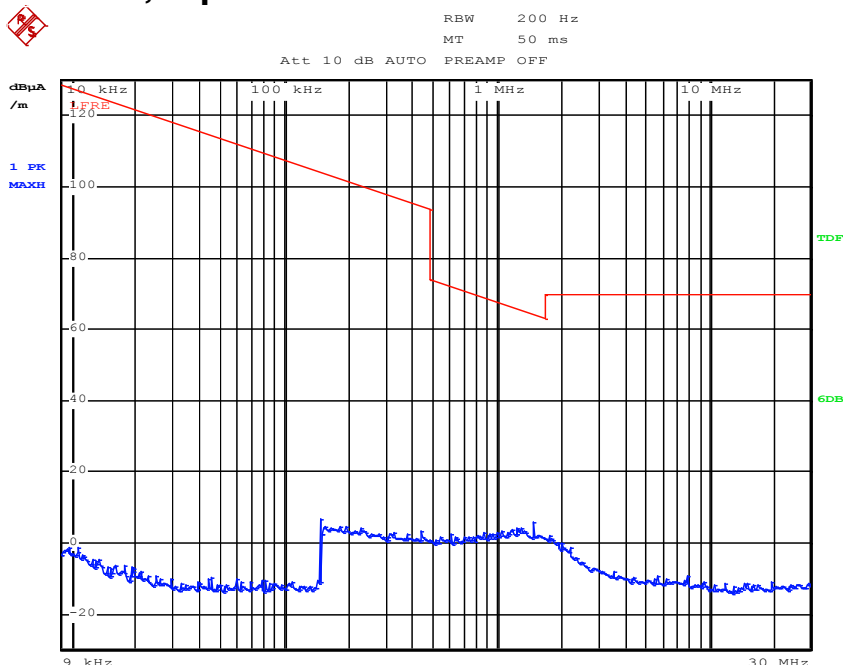
Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 14/05/18/  
Time:  
Engineer Signature: PEI  
Distance:

Note: Bluetooth



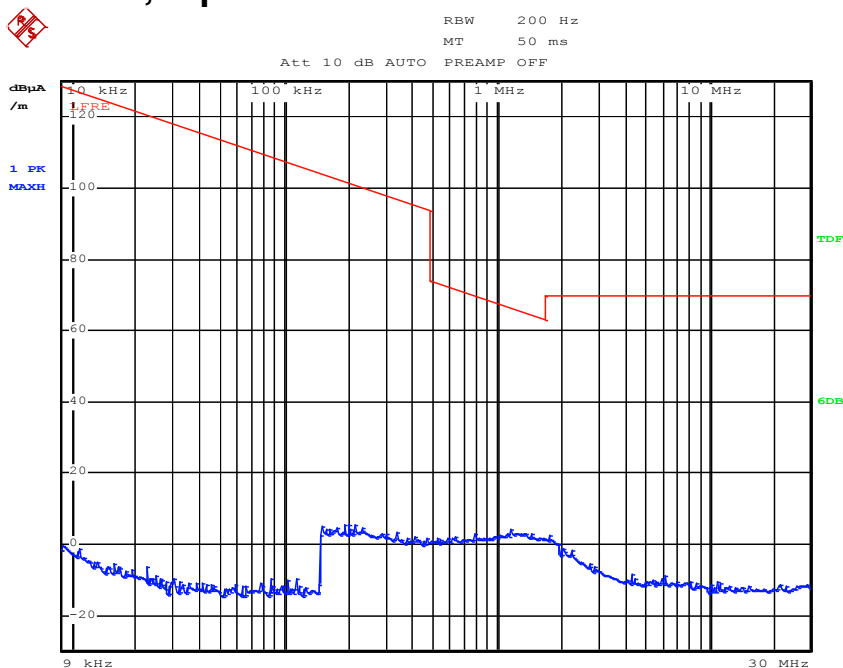
| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2483.500       | 49.51               | -7.37          | 42.14              | 74.00             | -31.86         | peak     |                |                  |        |
| 2   | 2483.500       | 39.47               | -7.37          | 32.10              | 54.00             | -21.90         | AVG      |                |                  |        |

## Test Plot of Spurious Emission of transmitting of Bluetooth LE mode Low channel, X polarization:



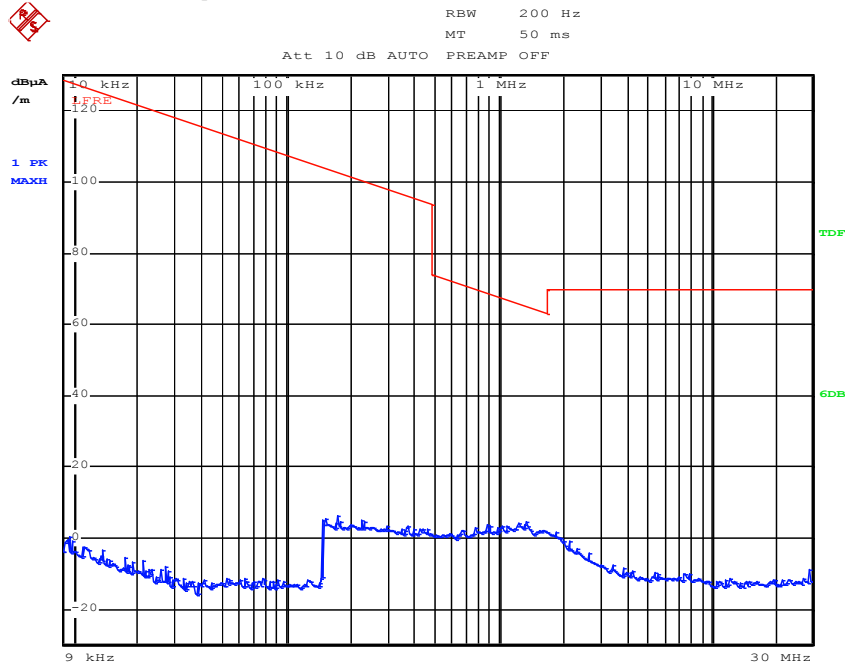
Date: 24.MAY.2014 11:51:42

## Low channel, Y polarization:



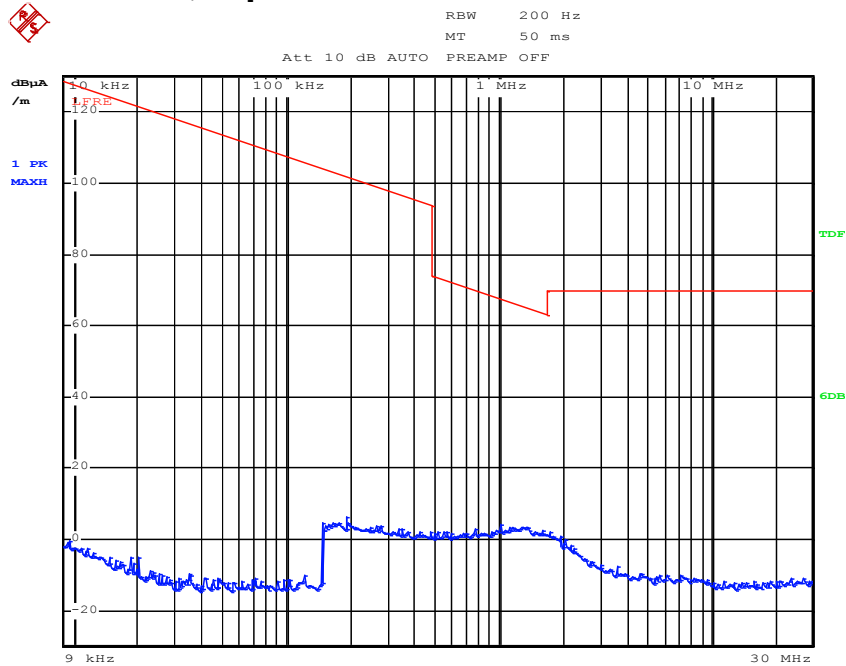
Date: 24.MAY.2014 11:53:53

## Low channel, Z polarization:



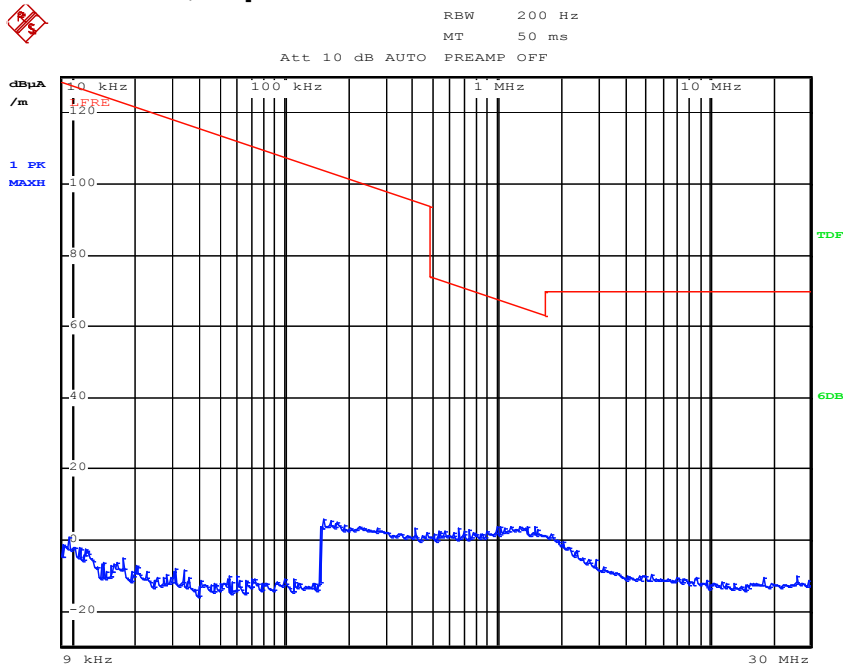
Date: 24.MAY.2014 11:55:56

## Middle channel, X polarization:



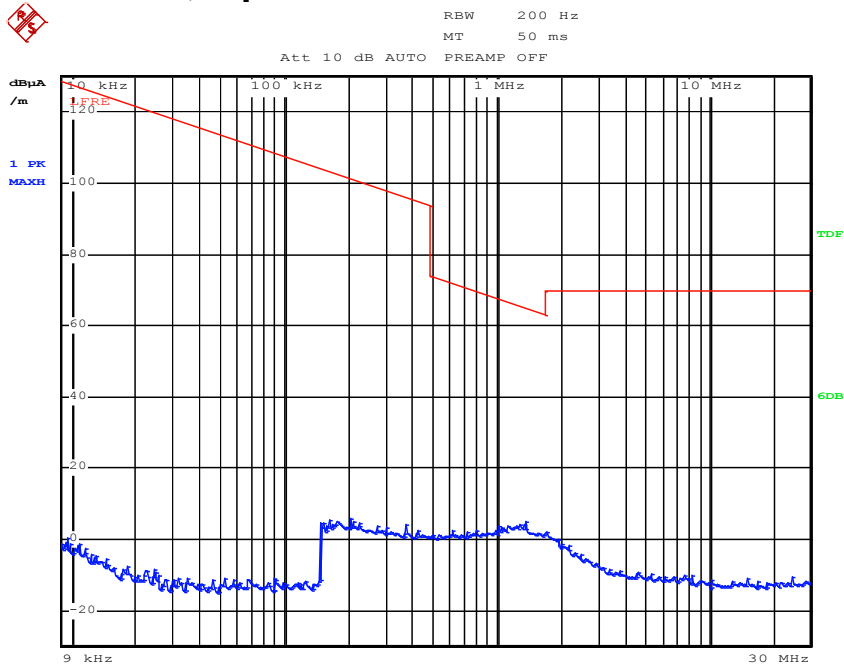
Date: 24.MAY.2014 11:57:59

### Middle channel, Y polarization:



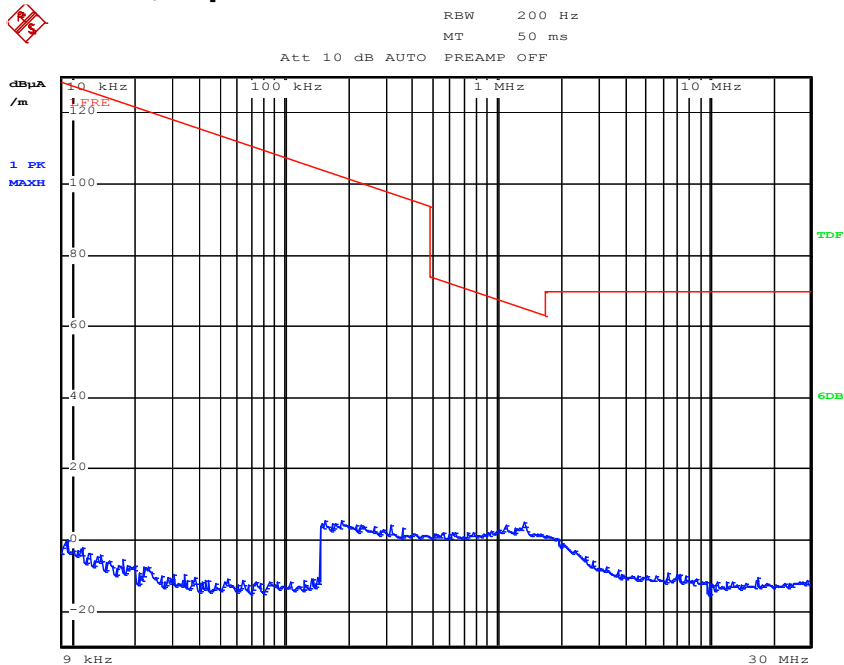
Date: 24.MAY.2014 11:59:58

### Middle channel, Z polarization:



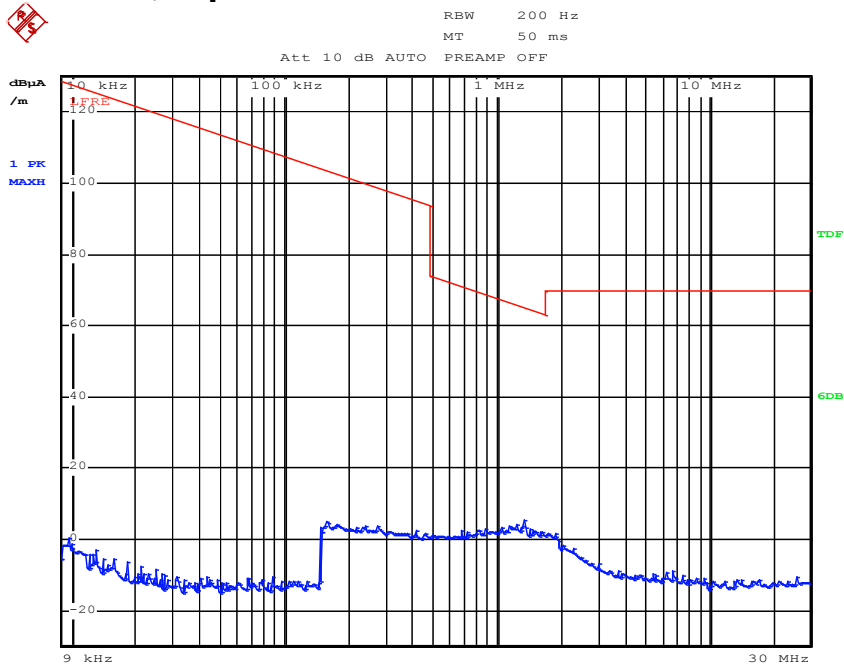
Date: 24.MAY.2014 12:01:54

## High channel, X polarization:



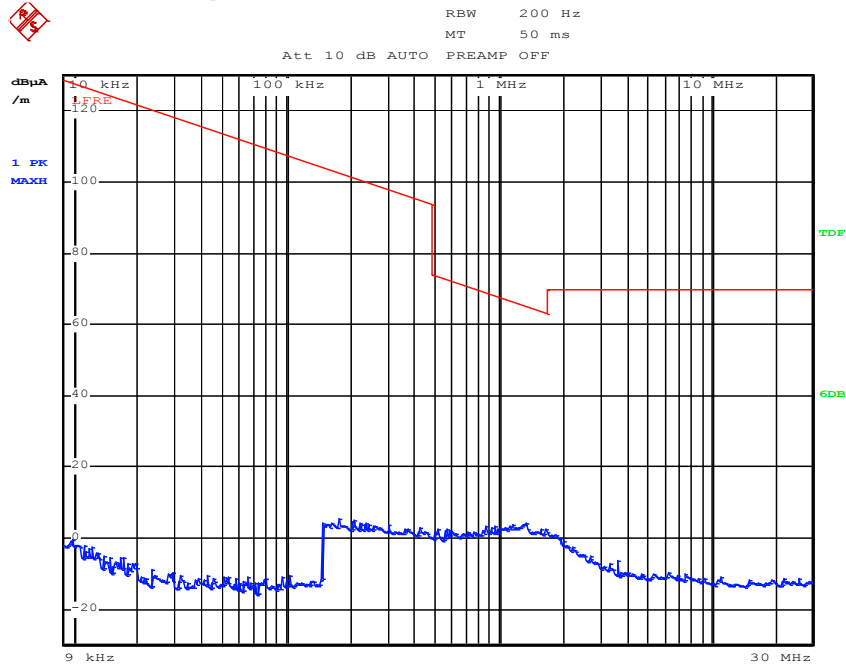
Date: 24.MAY.2014 12:03:56

## High channel, Y polarization:



Date: 24.MAY.2014 12:08:10

## High channel, Z polarization:



Date: 24.MAY.2014 13:55:43


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1667

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: TX 2402MHz

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Horizontal

Power Source: AC 120V/60Hz

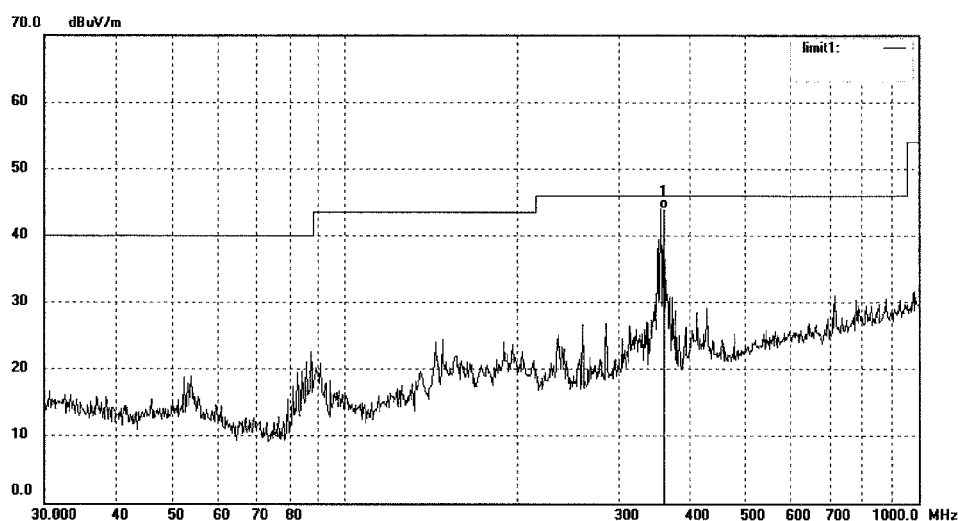
Date: 14/05/17/

Time:

Engineer Signature: PEI

Distance:

Note: Bluetooth 4.0



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0347       | 51.63               | -7.61          | 44.02              | 46.00             | -1.98          | QP       |                |                  |        |


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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1668

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/17/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

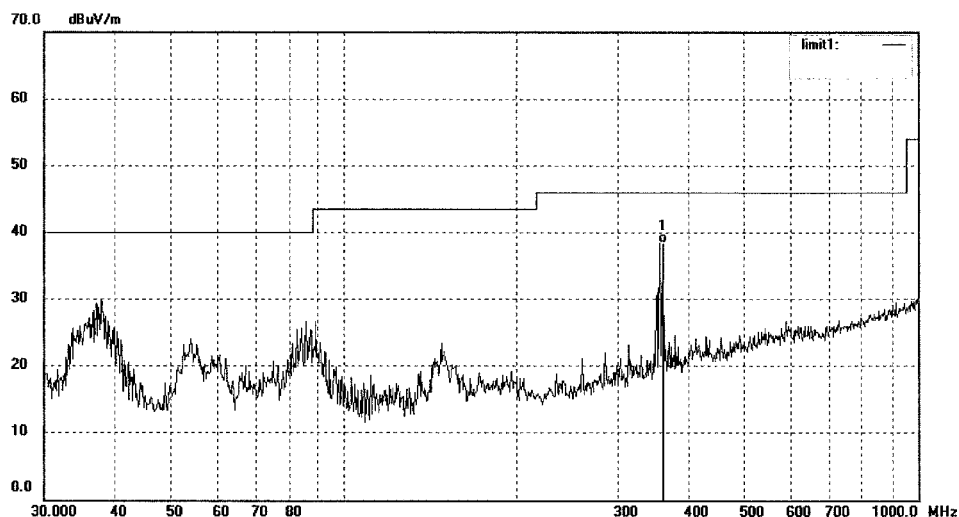
Mode: TX 2402MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth 4.0



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0406       | 45.97               | -7.61          | 38.36              | 46.00             | -7.64          | QP       |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: PHY #1670

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/17/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

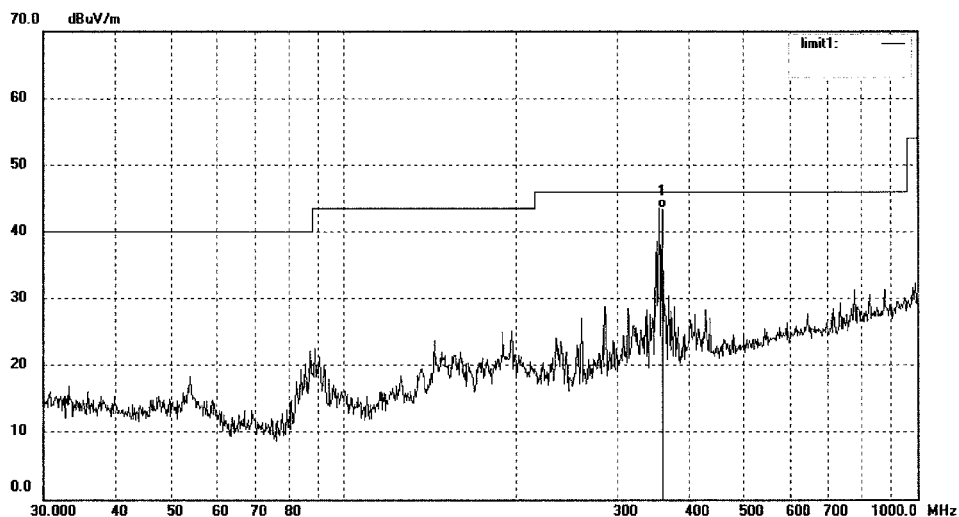
Mode: TX 2440MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth 4.0



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0350       | 51.05               | -7.61          | 43.44              | 46.00             | -2.56          | QP       |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1669

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/17/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

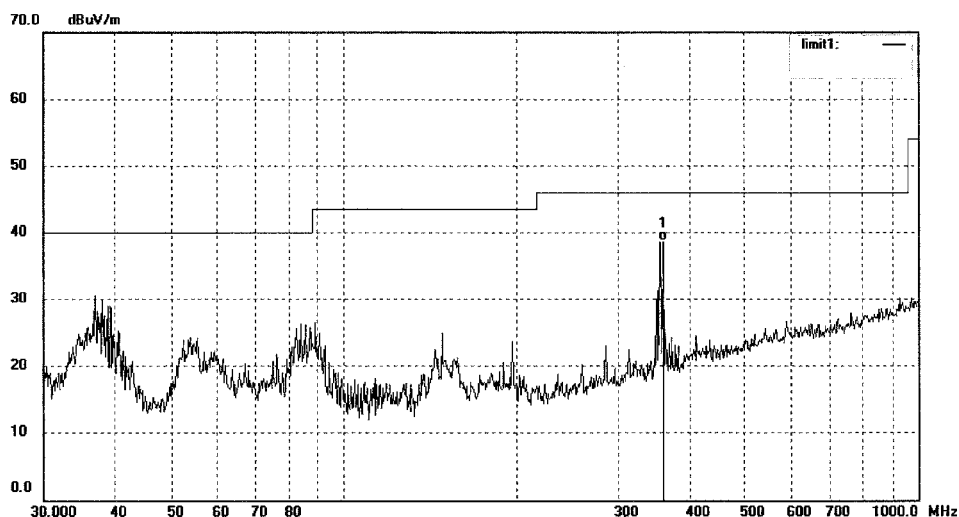
Mode: TX 2440MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth 4.0



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0328       | 46.30               | -7.61          | 38.69              | 46.00             | -7.31          | QP       |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1671

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/17/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

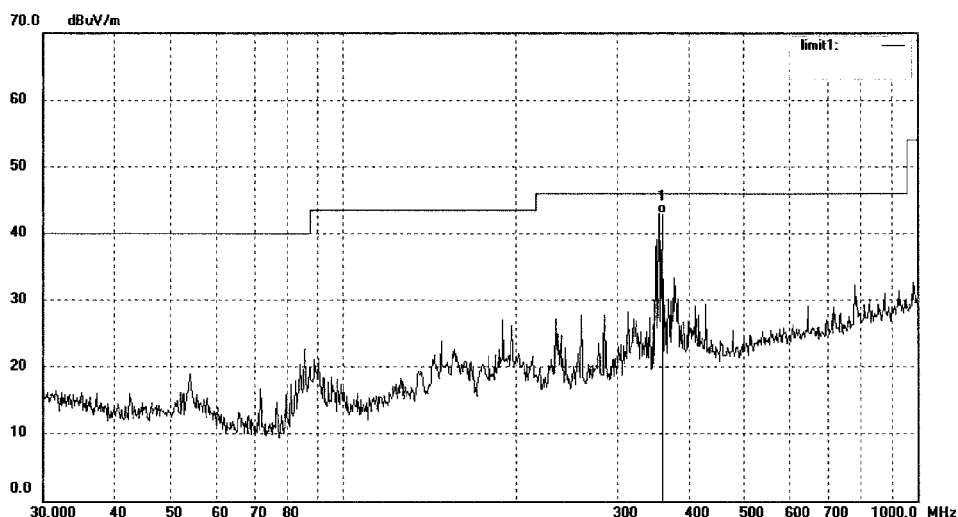
Mode: TX 2480MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth 4.0



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0463       | 50.58               | -7.61          | 42.97              | 46.00             | -3.03          | QP       |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1672

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/17/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

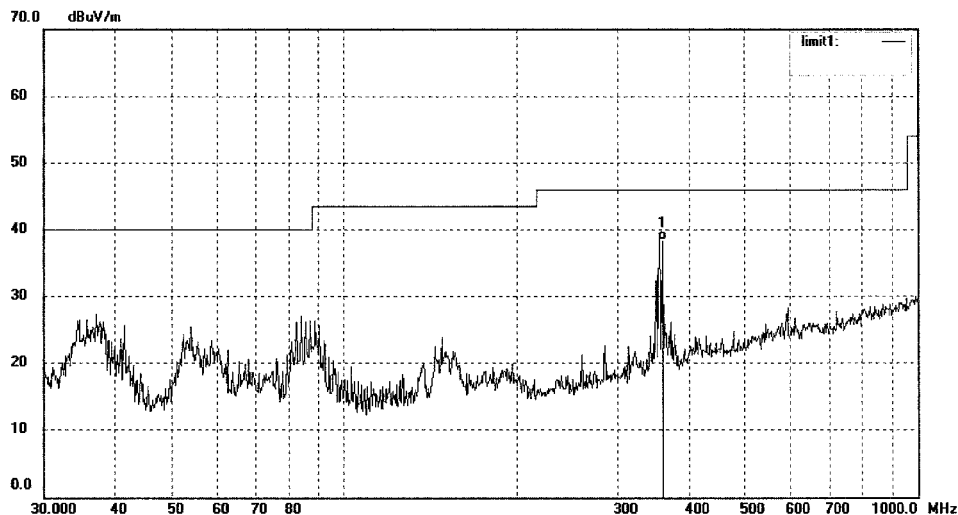
Mode: TX 2480MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth 4.0



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0050       | 46.02               | -7.61          | 38.41              | 46.00             | -7.59          | QP       |                |                  |        |


**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1720

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

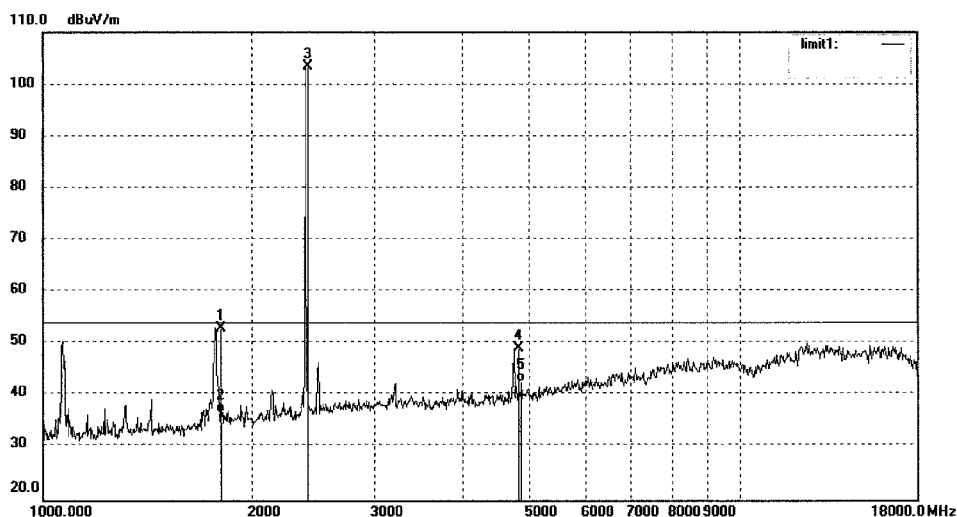
Mode: TX 2402MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth 4.0



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 1800.215       | 63.11               | -10.04         | 53.07              | 74.00             | -20.93         | peak     |                |                  |        |
| 2   | 1800.215       | 46.78               | -10.04         | 36.74              | 54.00             | -17.26         | AVG      |                |                  |        |
| 3   | 2402.000       | 110.86              | -7.45          | 103.41             | /                 | /              | peak     |                |                  |        |
| 4   | 4804.050       | 49.47               | -0.30          | 49.17              | 74.00             | -24.83         | peak     |                |                  |        |
| 5   | 4804.050       | 42.99               | -0.30          | 42.69              | 54.00             | -11.31         | AVG      |                |                  |        |


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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: PHY #1719

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: TX 2402MHz

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Vertical

Power Source: AC 120V/60Hz

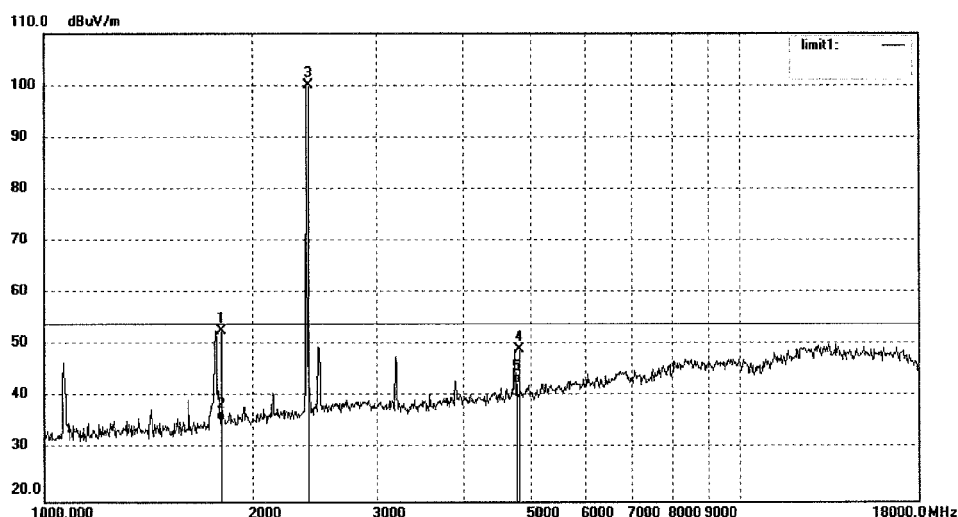
Date: 14/05/18/

Time:

Engineer Signature: PEI

Distance:

Note: Bluetooth 4.0



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 1800.527    | 62.87            | -10.04      | 52.83           | 74.00          | -21.17      | peak     |             |               |        |
| 2   | 1800.527    | 45.51            | -10.04      | 35.47           | 54.00          | -18.53      | AVG      |             |               |        |
| 3   | 2402.000    | 107.49           | -7.45       | 100.04          | /              | /           | peak     |             |               |        |
| 4   | 4804.043    | 49.41            | -0.30       | 49.11           | 74.00          | -24.89      | peak     |             |               |        |
| 5   | 4804.043    | 42.86            | -0.30       | 42.56           | 54.00          | -11.44      | AVG      |             |               |        |


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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: PHY #1724

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

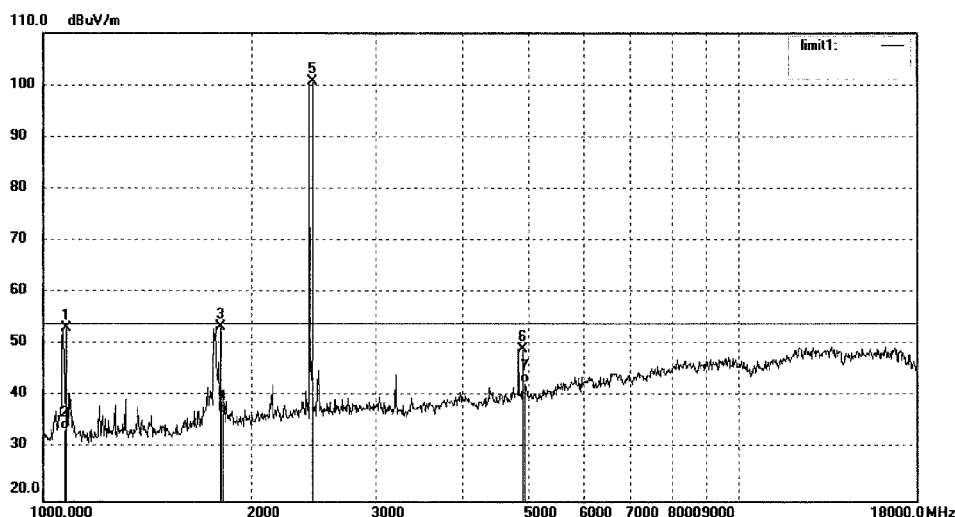
Mode: TX 2440MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth 4.0



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 1080.131    | 65.88            | -12.64      | 53.24           | 74.00          | -20.76      | peak     |             |               |        |
| 2   | 1080.131    | 46.20            | -12.64      | 33.56           | 54.00          | -20.44      | AVG      |             |               |        |
| 3   | 1800.192    | 63.42            | -10.04      | 53.38           | 74.00          | -20.62      | peak     |             |               |        |
| 4   | 1800.192    | 46.86            | -10.04      | 36.82           | 54.00          | -17.18      | AVG      |             |               |        |
| 5   | 2440.000    | 108.07           | -7.36       | 100.71          | /              | /           | peak     |             |               |        |
| 6   | 4880.039    | 48.90            | 0.13        | 49.03           | 74.00          | -24.97      | peak     |             |               |        |
| 7   | 4880.039    | 42.55            | 0.13        | 42.68           | 54.00          | -11.32      | AVG      |             |               |        |


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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: PHY #1723

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

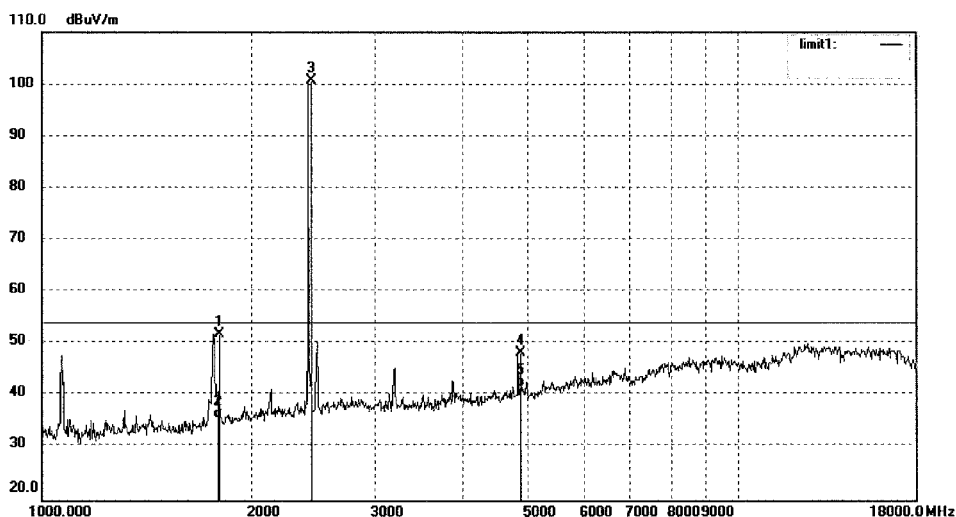
Mode: TX 2440MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth 4.0



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 1800.463       | 61.81               | -10.04         | 51.77              | 74.00             | -22.23         | peak     |                |                  |        |
| 2   | 1800.463       | 45.58               | -10.04         | 35.54              | 54.00             | -18.46         | AVG      |                |                  |        |
| 3   | 2440.000       | 107.93              | -7.36          | 100.57             | /                 | /              | peak     |                |                  |        |
| 4   | 4880.024       | 48.03               | 0.13           | 48.16              | 74.00             | -25.84         | peak     |                |                  |        |
| 5   | 4880.024       | 41.64               | 0.13           | 41.77              | 54.00             | -12.23         | AVG      |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: PHY #1725

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

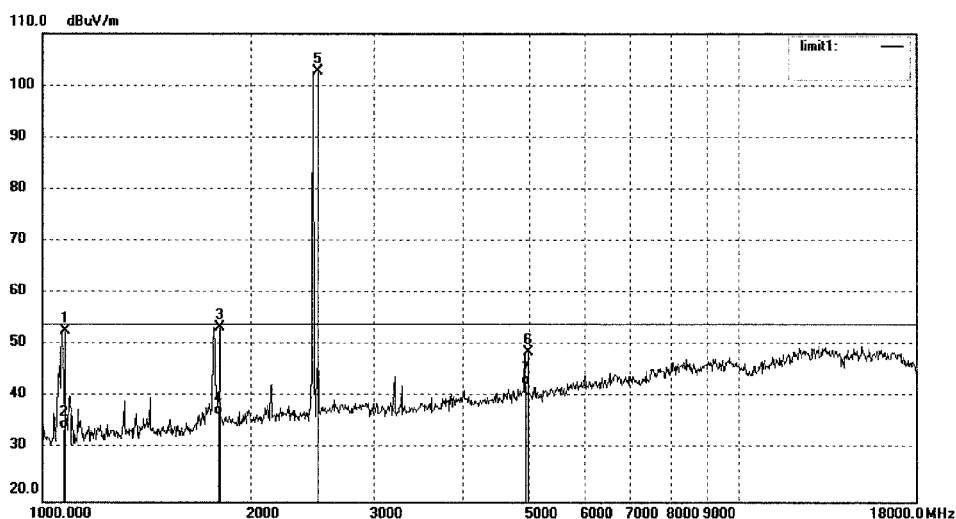
Mode: TX 2480MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth 4.0



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 1080.410    | 65.32            | -12.64      | 52.68           | 74.00          | -21.32      | peak     |             |               |        |
| 2   | 1080.410    | 46.58            | -12.64      | 33.94           | 54.00          | -20.06      | AVG      |             |               |        |
| 3   | 1800.387    | 63.42            | -10.04      | 53.38           | 74.00          | -20.62      | peak     |             |               |        |
| 4   | 1800.387    | 46.65            | -10.04      | 36.61           | 54.00          | -17.39      | AVG      |             |               |        |
| 5   | 2480.000    | 109.96           | -7.37       | 102.59          | /              | /           | peak     |             |               |        |
| 6   | 4960.044    | 48.25            | 0.52        | 48.77           | 74.00          | -25.23      | peak     |             |               |        |
| 7   | 4960.044    | 41.93            | 0.52        | 42.45           | 54.00          | -11.55      | AVG      |             |               |        |


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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1726

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

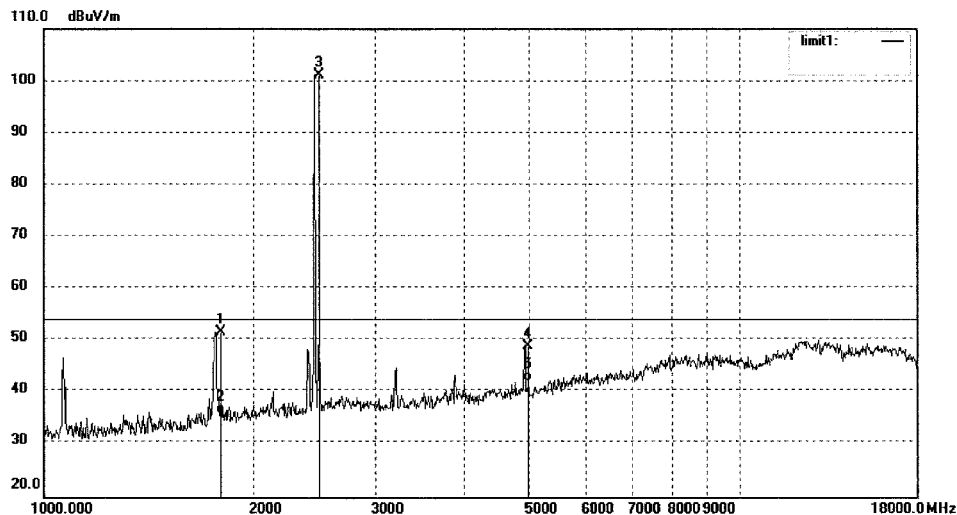
Mode: TX 2480MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth 4.0



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 1800.824       | 61.64               | -10.04         | 51.60              | 74.00             | -22.40         | peak     |                |                  |        |
| 2   | 1800.824       | 45.88               | -10.04         | 35.84              | 54.00             | -18.16         | AVG      |                |                  |        |
| 3   | 2480.000       | 108.48              | -7.37          | 101.11             | /                 | /              | peak     |                |                  |        |
| 4   | 4960.037       | 48.36               | 0.52           | 48.88              | 74.00             | 7-25.12        | peak     |                |                  |        |
| 5   | 4960.037       | 41.57               | 0.52           | 42.09              | 54.00             | -11.91         | AVG      |                |                  |        |


**ACCURATE TECHNOLOGY CO., LTD.**

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1755

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

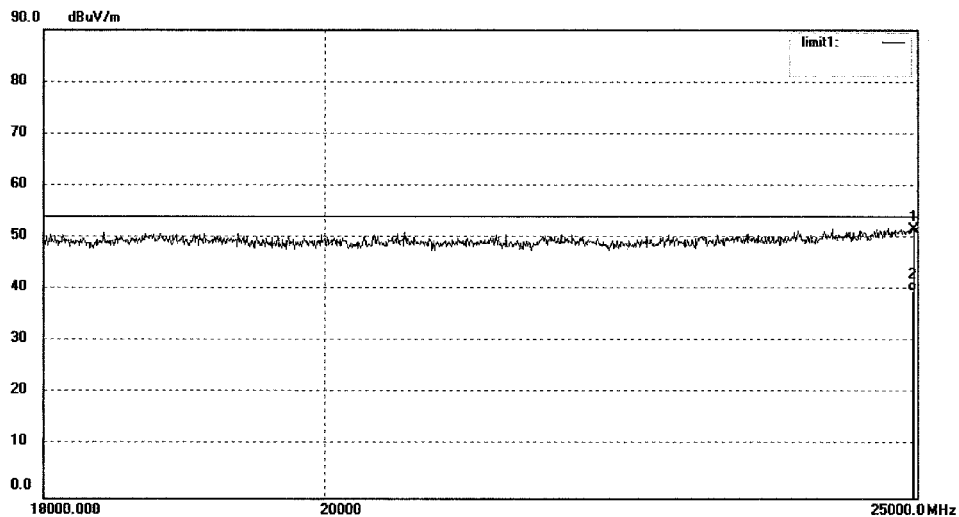
Mode: TX 2402MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth 4.0



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 24975.325   | 32.75            | 18.87       | 51.62           | 74.00          | -22.38      | peak     |             |               |        |
| 2   | 24975.325   | 20.87            | 18.87       | 39.74           | 54.00          | -14.26      | AVG      |             |               |        |


**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: PHY #1756

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

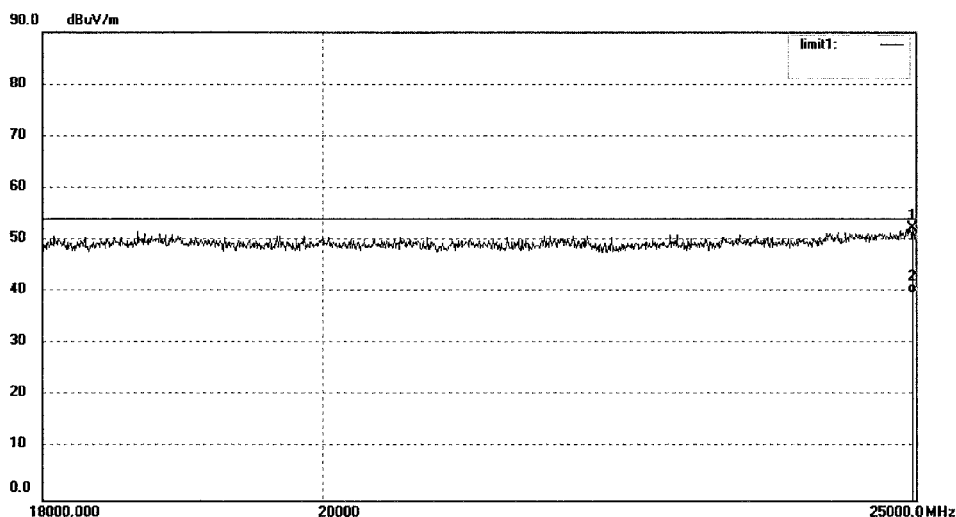
Mode: TX 2402MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth 4.0



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24975.325      | 33.39               | 18.87          | 52.26              | 74.00             | -21.74         | peak     |                |                  |        |
| 2   | 24975.325      | 20.79               | 18.87          | 39.66              | 54.00             | -14.34         | AVG      |                |                  |        |


**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1758

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

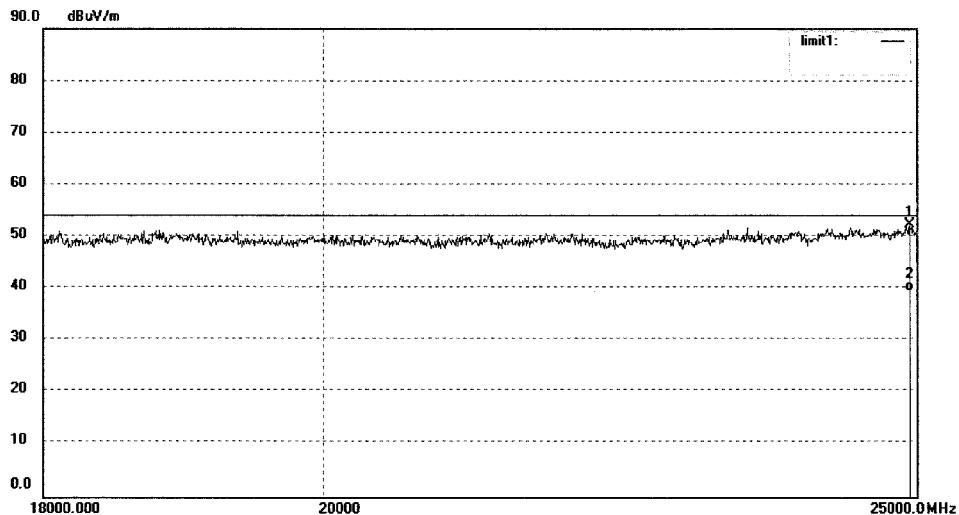
Mode: TX 2440MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth 4.0



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24942.463      | 33.49               | 18.82          | 52.31              | 74.00             | -21.69         | peak     |                |                  |        |
| 2   | 24942.463      | 20.69               | 18.82          | 39.51              | 54.00             | -14.49         | AVG      |                |                  |        |


**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1757

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

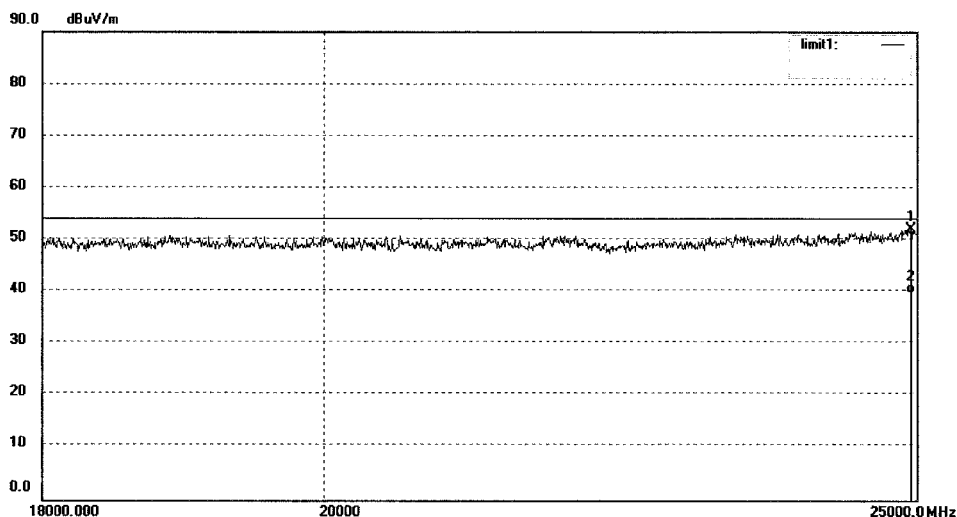
Mode: TX 2440MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth 4.0



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24950.674      | 33.26               | 18.83          | 52.09              | 74.00             | -21.91         | peak     |                |                  |        |
| 2   | 24950.674      | 20.84               | 18.83          | 39.67              | 54.00             | -14.33         | AVG      |                |                  |        |


**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1759

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

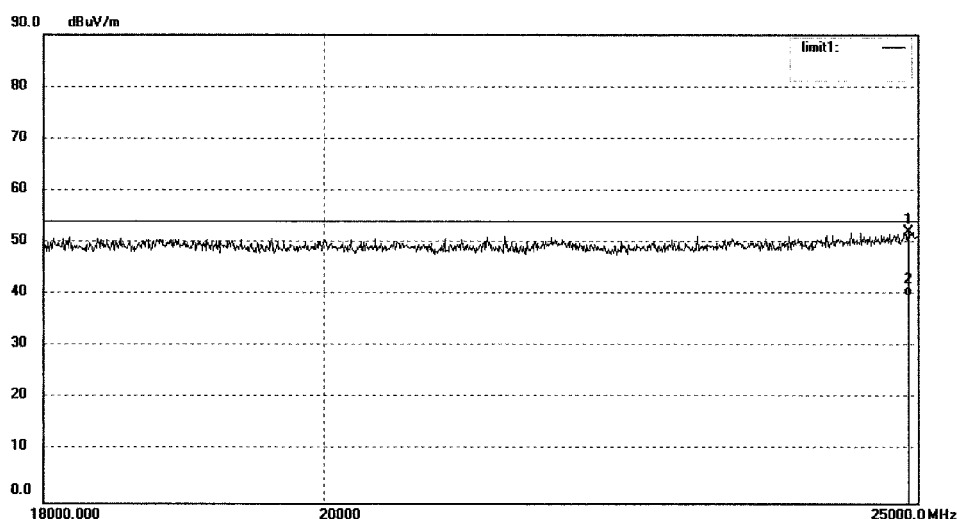
Mode: TX 2480MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth 4.0



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24917.845      | 33.35               | 18.78          | 52.13              | 74.00             | -21.87         | peak     |                |                  |        |
| 2   | 24917.845      | 20.83               | 18.78          | 39.61              | 54.00             | -14.39         | AVG      |                |                  |        |


**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1760

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

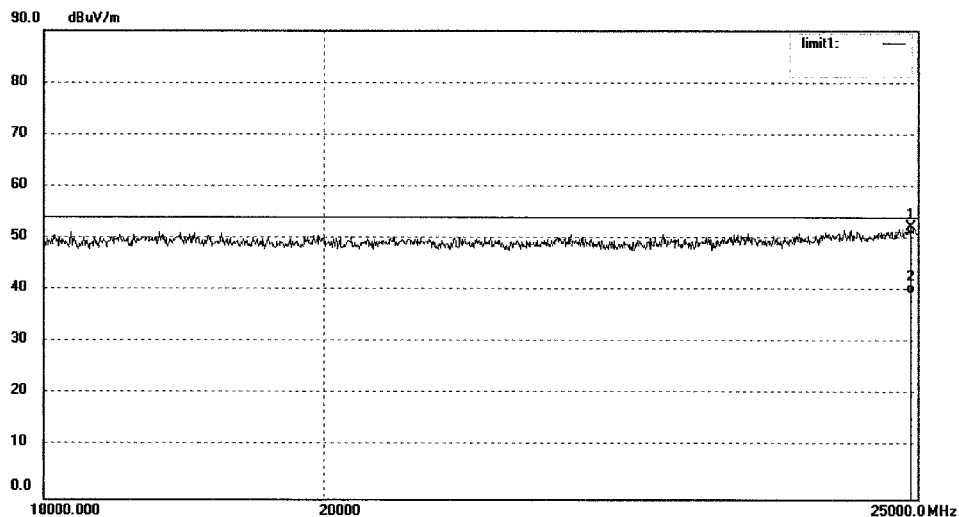
Mode: TX 2480MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Bluetooth 4.0



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24942.463      | 33.48               | 18.82          | 52.30              | 74.00             | -21.70         | peak     |                |                  |        |
| 2   | 24942.463      | 20.75               | 18.82          | 39.57              | 54.00             | -14.43         | AVG      |                |                  |        |

## Test Plot of Frequency Band Edge of Bluetooth LE mode


**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

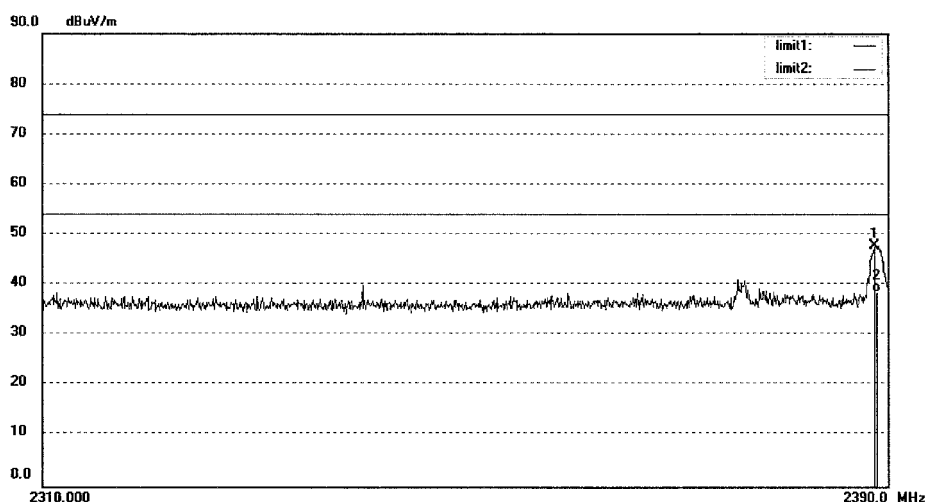
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1721  
Standard: FCC (Band Edge)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: MID  
Mode: TX 2402MHz  
Model: NS-15AT07  
Manufacturer: Yifang

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 14/05/18/  
Time:  
Engineer Signature: PEI  
Distance:

Note: Bluetooth 4.0



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2388.715       | 55.40               | -7.54          | 47.86              | 74.00             | -26.14         | peak     |                |                  |        |
| 2   | 2388.715       | 46.04               | -7.54          | 38.50              | 54.00             | -15.50         | AVG      |                |                  |        |


**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

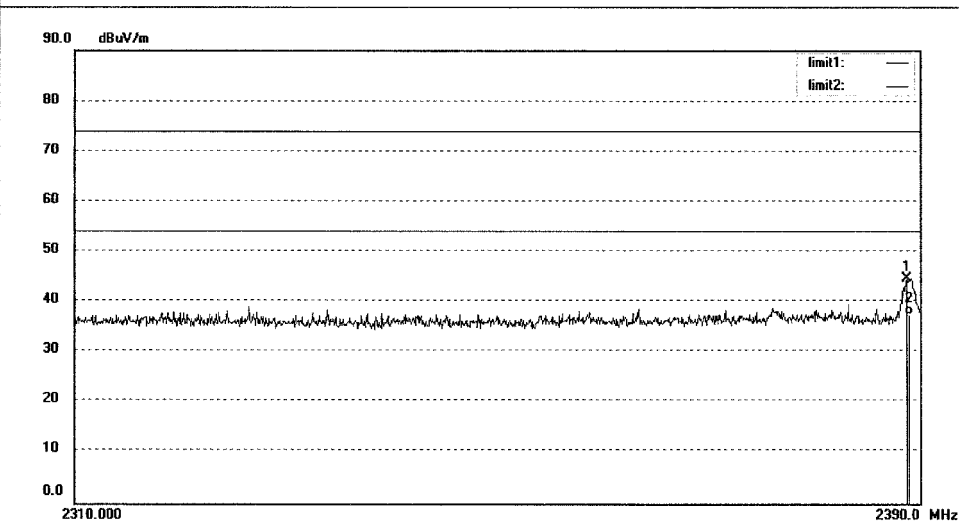
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1722  
Standard: FCC (Band Edge)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: MID  
Mode: TX 2402MHz  
Model: NS-15AT07  
Manufacturer: Yifang

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 14/05/18/  
Time:  
Engineer Signature: PEI  
Distance:

Note: Bluetooth 4.0



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2388.791       | 52.13               | -7.53          | 44.60              | 74.00             | -29.40         | peak     |                |                  |        |
| 2   | 2388.791       | 45.03               | -7.53          | 37.50              | 54.00             | -16.50         | AVG      |                |                  |        |


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Site: 2# Chamber

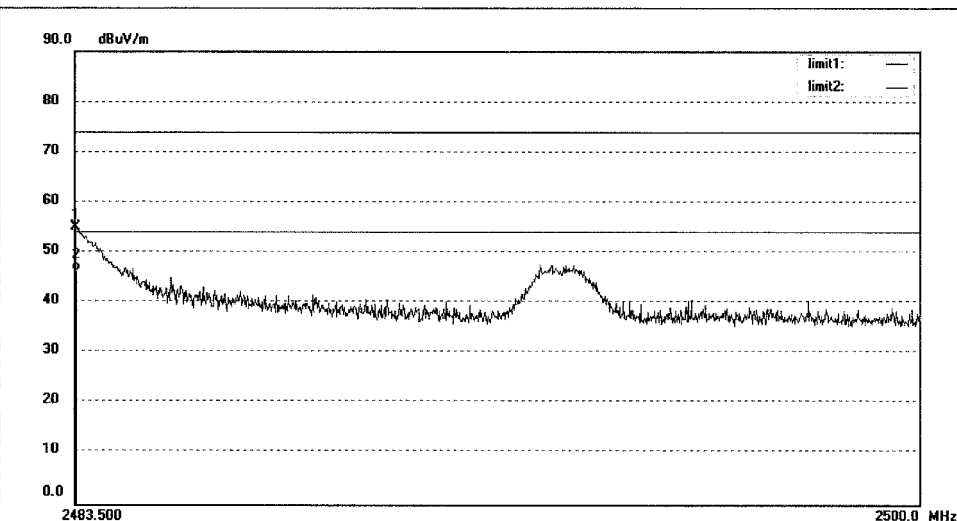
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1728  
Standard: FCC (Band Edge)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: MID  
Mode: TX 2480MHz  
Model: NS-15AT07  
Manufacturer: Yifang

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 14/05/18/  
Time:  
Engineer Signature: PEI  
Distance:

Note: Bluetooth 4.0



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2483.500       | 62.38               | -7.37          | 55.01              | 74.00             | -18.99         | peak     |                |                  |        |
| 2   | 2483.500       | 53.57               | -7.37          | 46.20              | 54.00             | -7.80          | AVG      |                |                  |        |


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Site: 2# Chamber

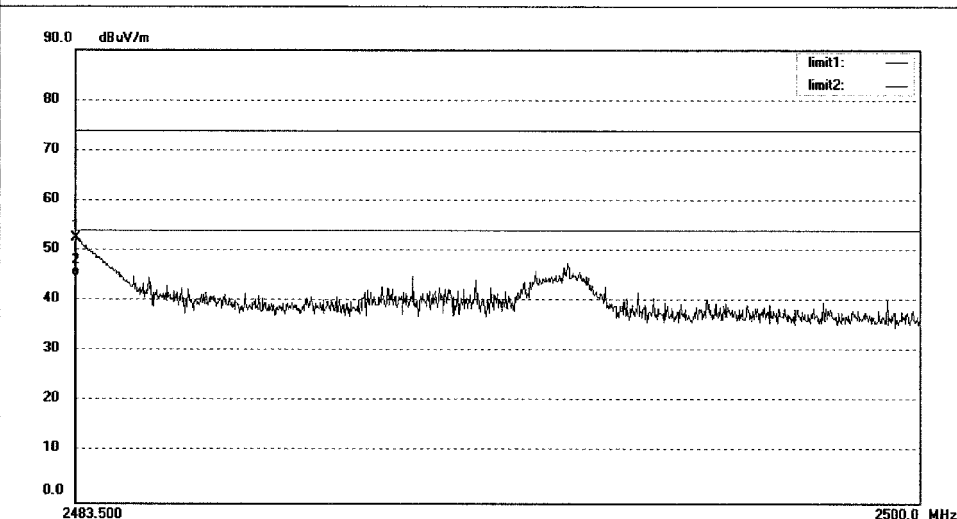
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1727  
Standard: FCC (Band Edge)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: MID  
Mode: TX 2480MHz  
Model: NS-15AT07  
Manufacturer: Yifang

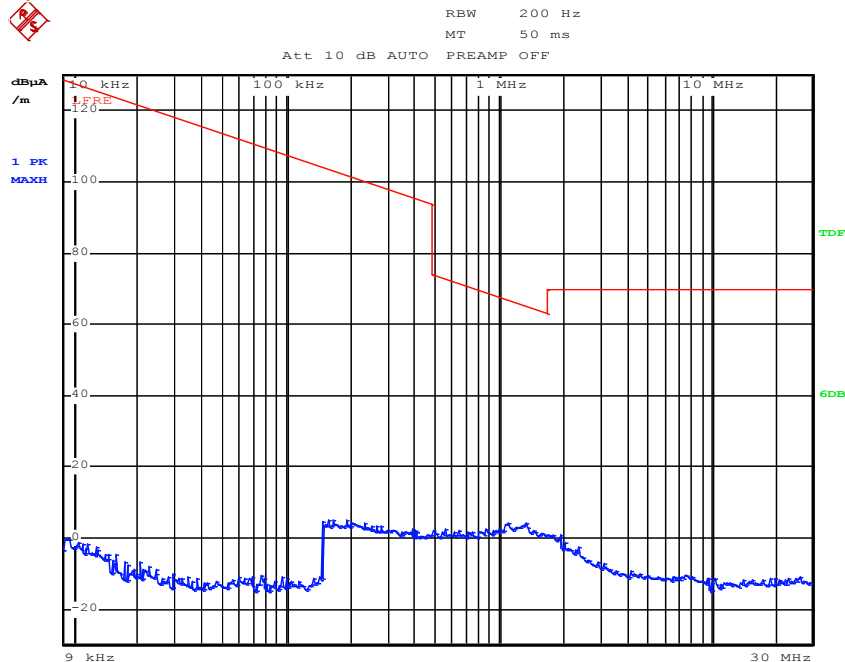
Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 14/05/18/  
Time:  
Engineer Signature: PEI  
Distance:

Note: Bluetooth 4.0



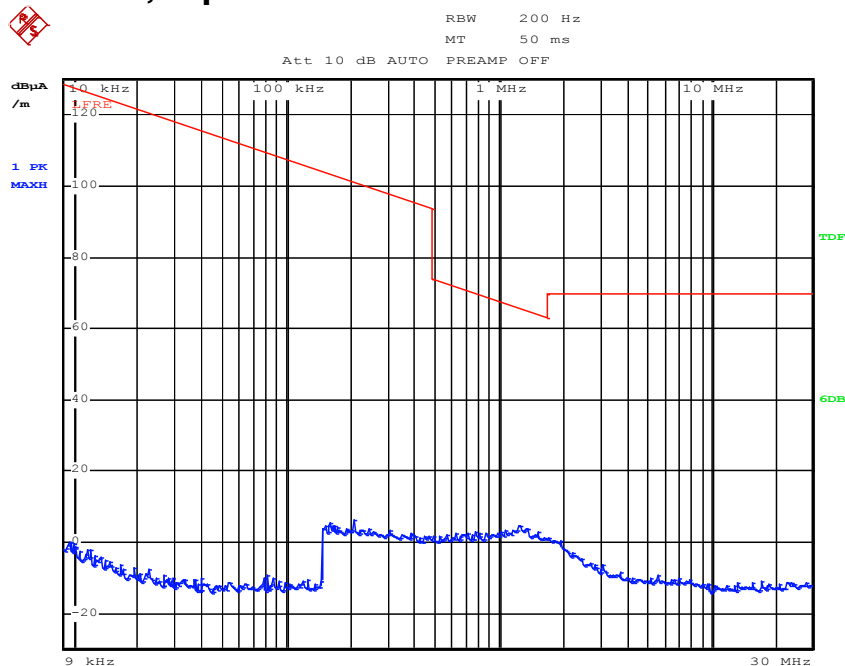
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2483.500    | 59.96            | -7.37       | 52.59           | 74.00          | -21.41      | peak     |             |               |        |
| 2   | 2483.500    | 52.17            | -7.37       | 44.80           | 54.00          | -9.20       | AVG      |             |               |        |

## Test Plot of Spurious Emission of transmitting of 802.11b mode Low channel, X polarization:



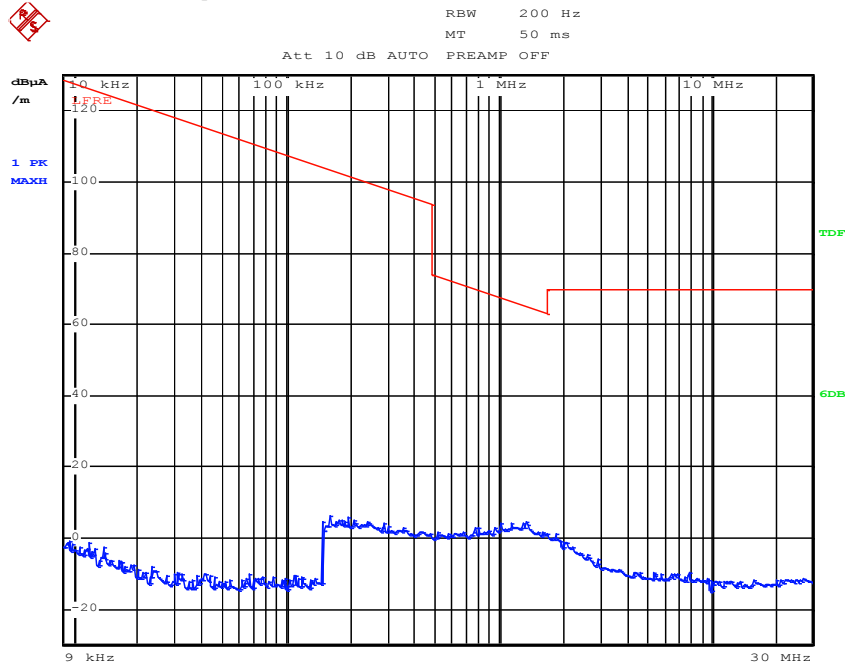
Date: 24.MAY.2014 14:15:32

## Low channel, Y polarization:



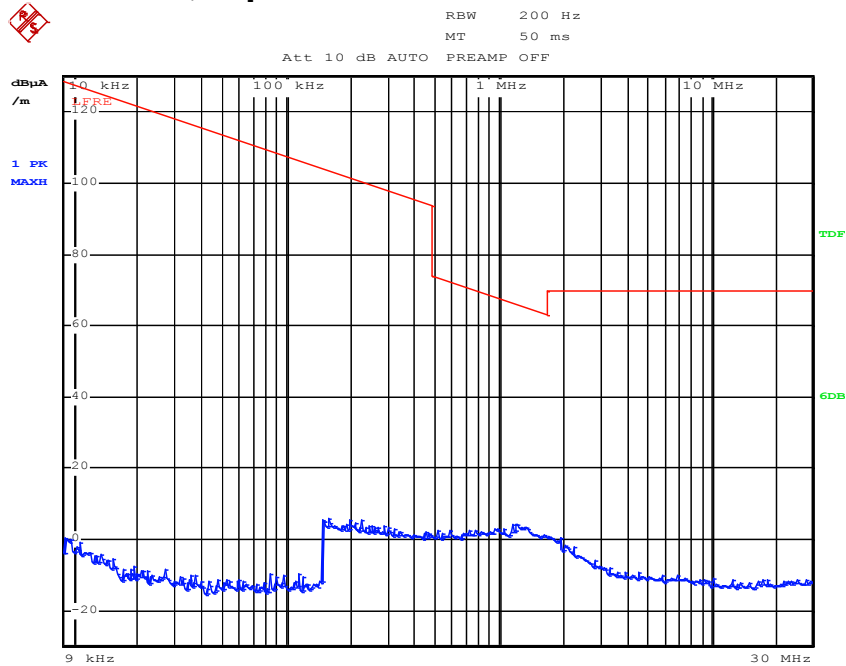
Date: 24.MAY.2014 14:18:28

## Low channel, Z polarization:



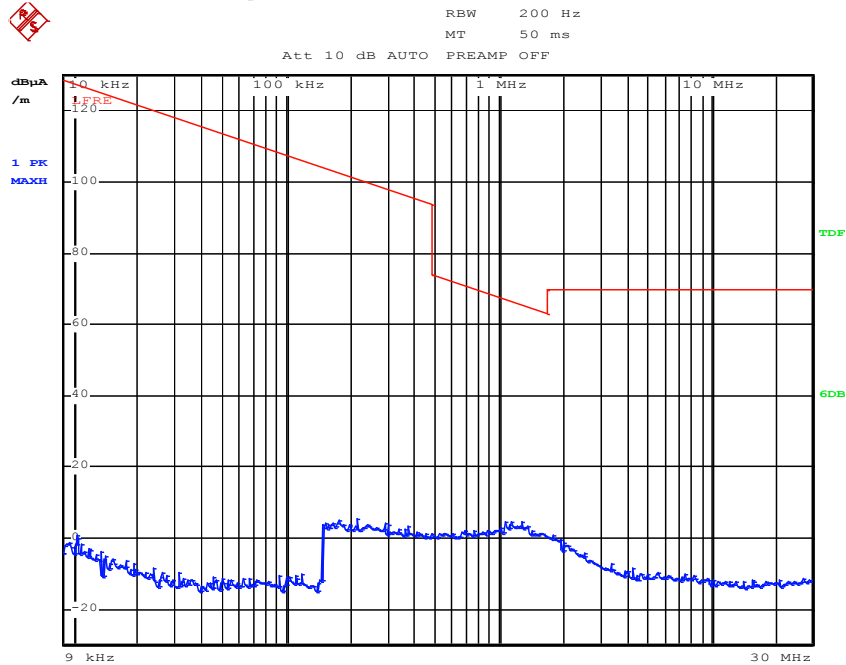
Date: 24.MAY.2014 14:20:29

## Middle channel, X polarization:



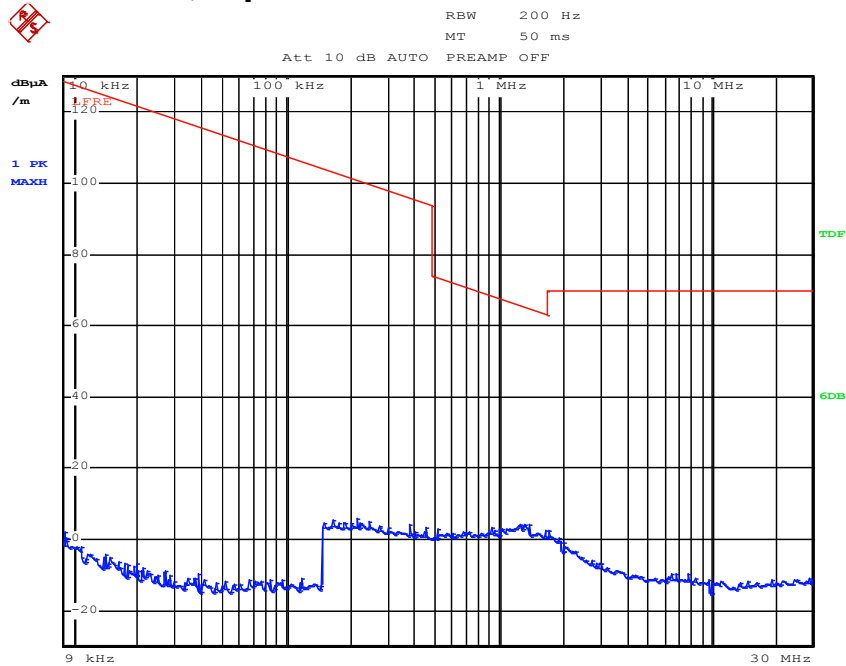
Date: 24.MAY.2014 14:22:35

## Middle channel, Y polarization:



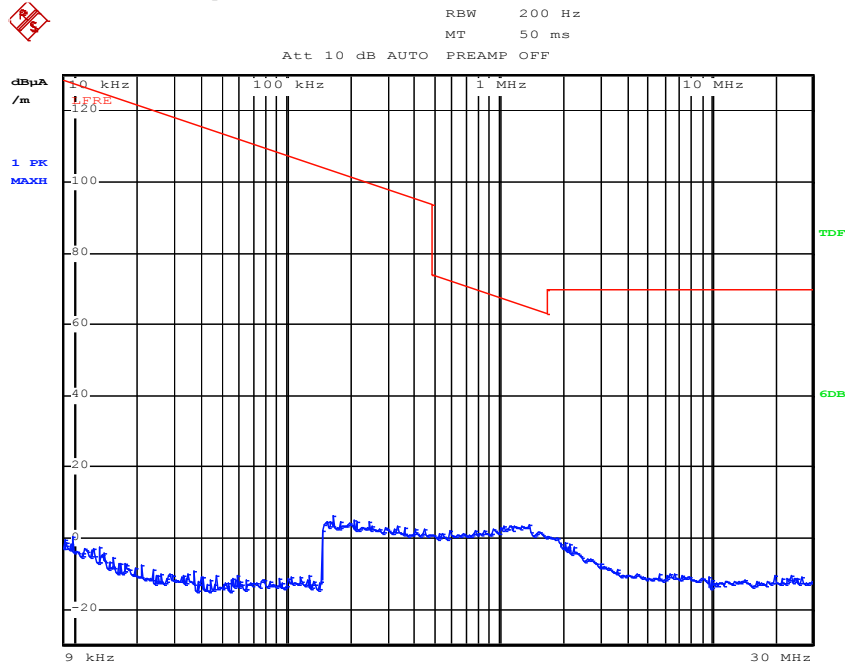
Date: 24.MAY.2014 14:24:32

## Middle channel, Z polarization:



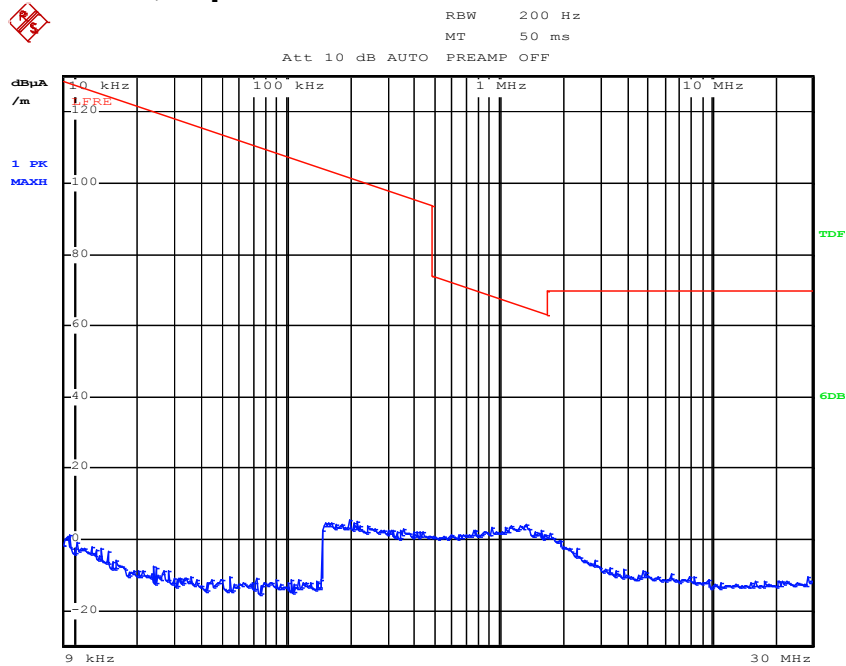
Date: 24.MAY.2014 14:26:30

## High channel, X polarization:



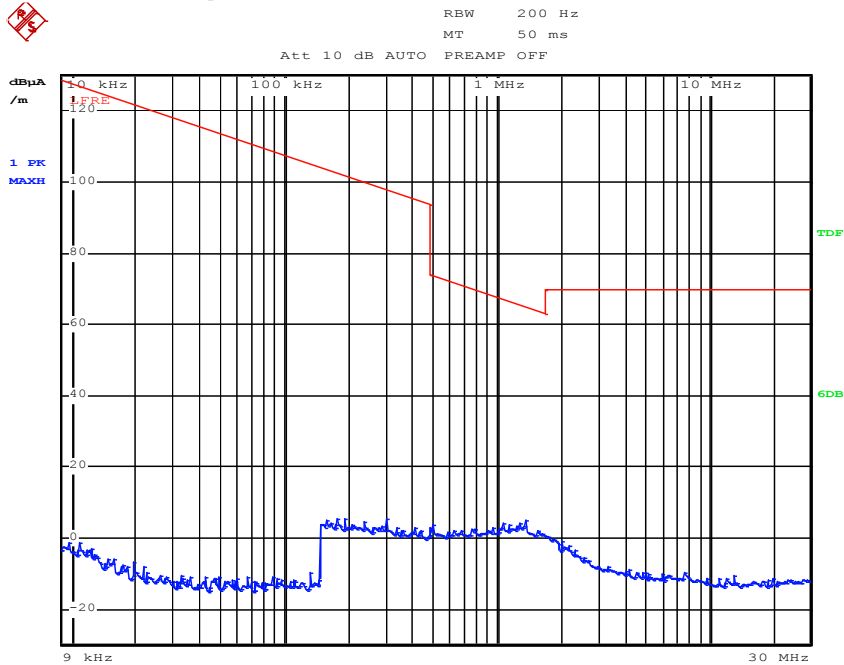
Date: 24.MAY.2014 14:53:46

## High channel, Y polarization:



Date: 24.MAY.2014 14:56:30

## High channel, Z polarization:



Date: 24.MAY.2014 14:58:37


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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1679

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/17/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

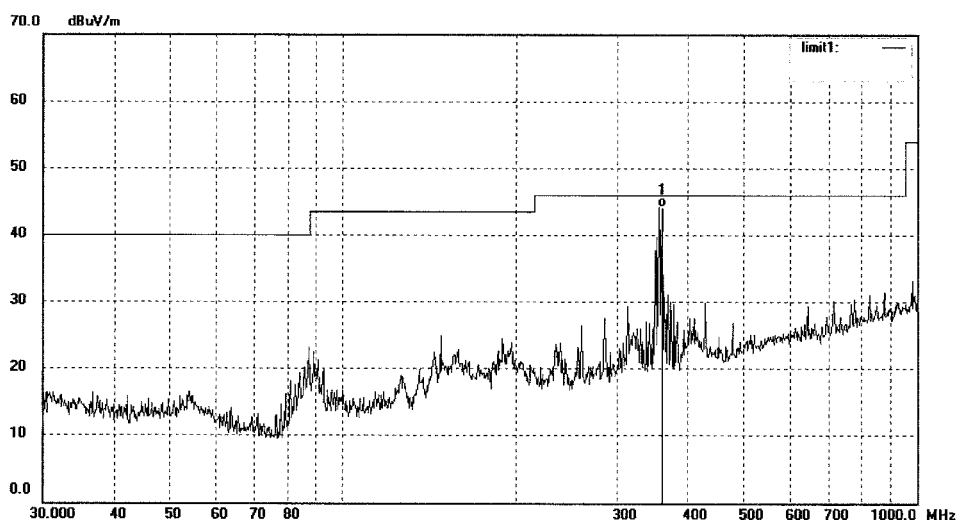
Mode: TX 2412MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11b



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0358       | 51.82               | -7.61          | 44.21              | 46.00             | -1.79          | QP       |                |                  |        |


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Tel: +86-0755-26503290

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Job No.: PHY #1680

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/17/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

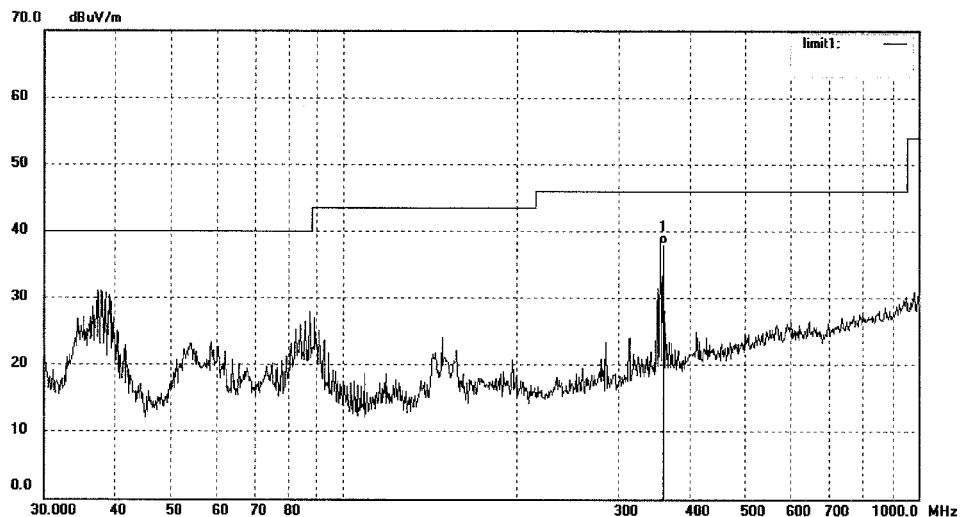
Mode: TX 2412MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11b



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0319       | 45.64               | -7.61          | 38.03              | 46.00             | -7.97          | QP       |                |                  |        |


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Tel:+86-0755-26503290

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Job No.: PHY #1682

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: TX 2437MHz

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Horizontal

Power Source: AC 120V/60Hz

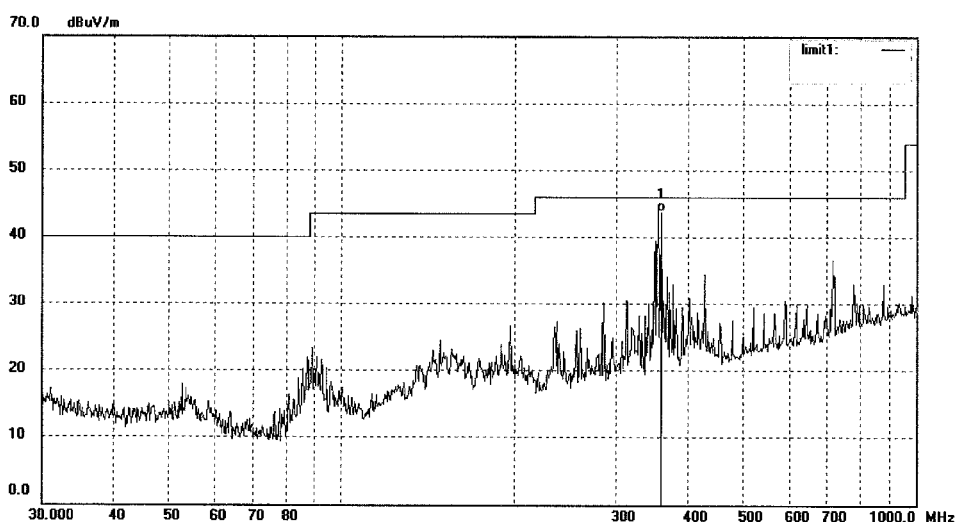
Date: 14/05/17/

Time:

Engineer Signature: PEI

Distance:

Note: 802.11b



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0285       | 51.48               | -7.61          | 43.87              | 46.00             | -2.13          | QP       |                |                  |        |


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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1681

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: TX 2437MHz

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Vertical

Power Source: AC 120V/60Hz

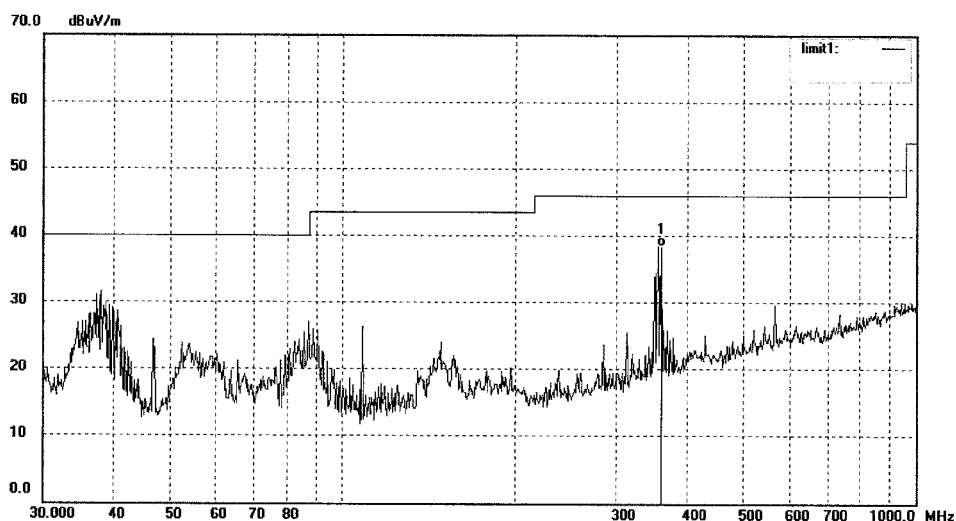
Date: 14/05/17/

Time:

Engineer Signature: PEI

Distance:

Note: 802.11b



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0330       | 45.94               | -7.61          | 38.33              | 46.00             | -7.67          | QP       |                |                  |        |


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Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1683

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: TX 2462MHz

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Horizontal

Power Source: AC 120V/60Hz

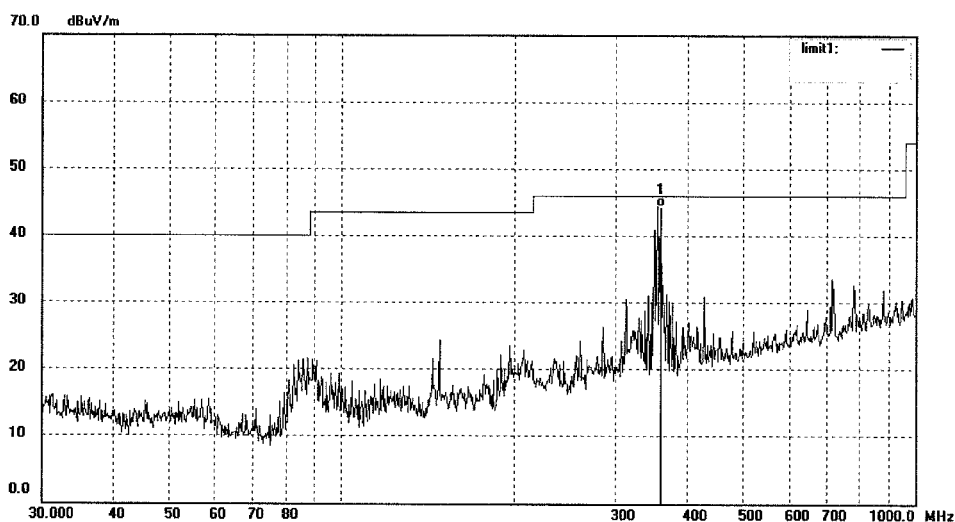
Date: 14/05/17/

Time:

Engineer Signature: PEI

Distance:

Note: 802.11b



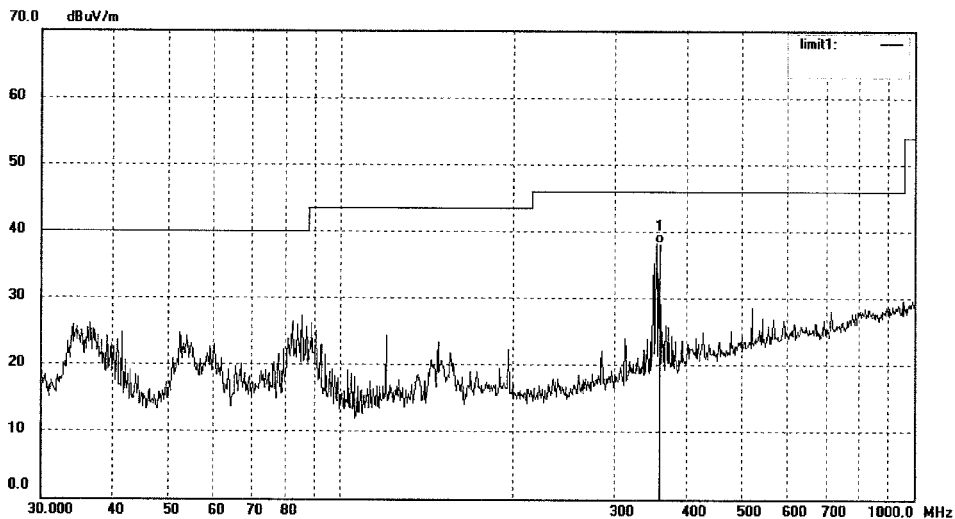
| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0350       | 51.99               | -7.61          | 44.38              | 46.00             | -1.62          | QP       |                |                  |        |


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 Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

|                                   |                            |
|-----------------------------------|----------------------------|
| Job No.: PHY #1684                | Polarization: Vertical     |
| Standard: FCC Class B 3M Radiated | Power Source: AC 120V/60Hz |
| Test item: Radiation Test         | Date: 14/05/17/            |
| Temp.( C)/Hum.(%) 23 C / 48 %     | Time:                      |
| EUT: MID                          | Engineer Signature: PEI    |
| Mode: TX 2462MHz                  | Distance:                  |
| Model: NS-15AT07                  |                            |
| Manufacturer: Yifang              |                            |

Note: 802.11b



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0250       | 45.93               | -7.61          | 38.32              | 46.00             | -7.68          | QP       |                |                  |        |


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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1829

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014-5-23

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

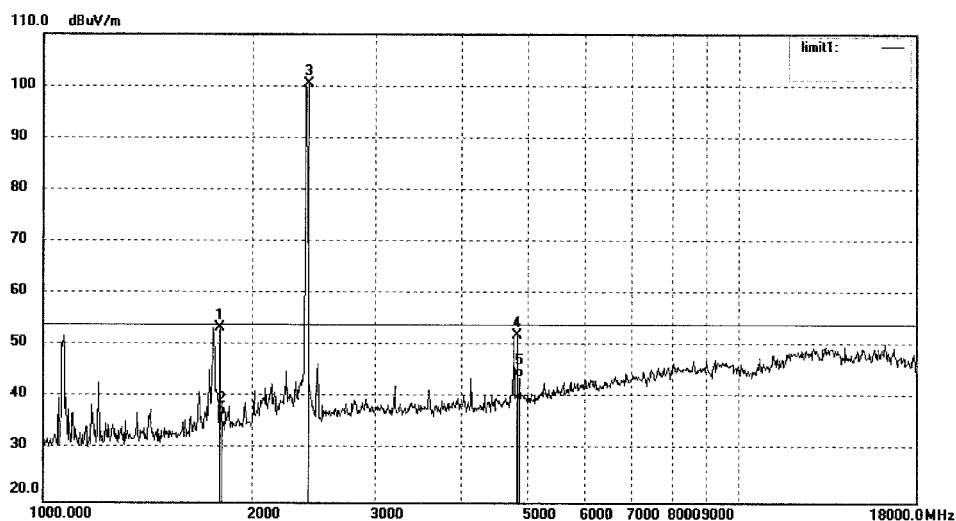
Mode: TX 2412MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11b



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 1799.999       | 63.36               | -10.04         | 53.32              | 74.00             | -20.68         | peak     |                |                  |        |
| 2   | 1799.999       | 46.48               | -10.04         | 36.44              | 54.00             | -17.56         | AVG      |                |                  |        |
| 3   | 2412.000       | 107.76              | -7.43          | 100.33             | /                 | /              | peak     |                |                  |        |
| 4   | 4824.227       | 52.34               | -0.19          | 52.15              | 74.00             | -21.85         | peak     |                |                  |        |
| 5   | 4824.227       | 44.23               | -0.19          | 44.04              | 54.00             | -9.96          | AVG      |                |                  |        |


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Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1828

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: TX 2412MHz

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Vertical

Power Source: AC 120V/60Hz

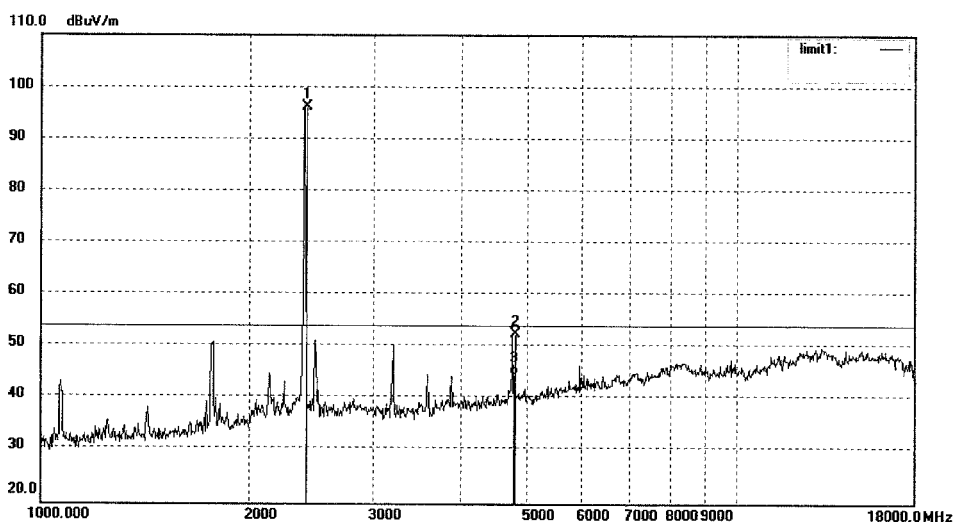
Date: 2014-5-23

Time:

Engineer Signature: PEI

Distance:

Note: 802.11b



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2412.000       | 103.68              | -7.43          | 96.25              | /                 | /              | peak     |                |                  |        |
| 2   | 4824.128       | 52.69               | -0.19          | 52.50              | 74.00             | -21.50         | peak     |                |                  |        |
| 3   | 4824.128       | 44.76               | -0.19          | 44.57              | 54.00             | -9.43          | AVG      |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: PHY #1830

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014-5-23

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

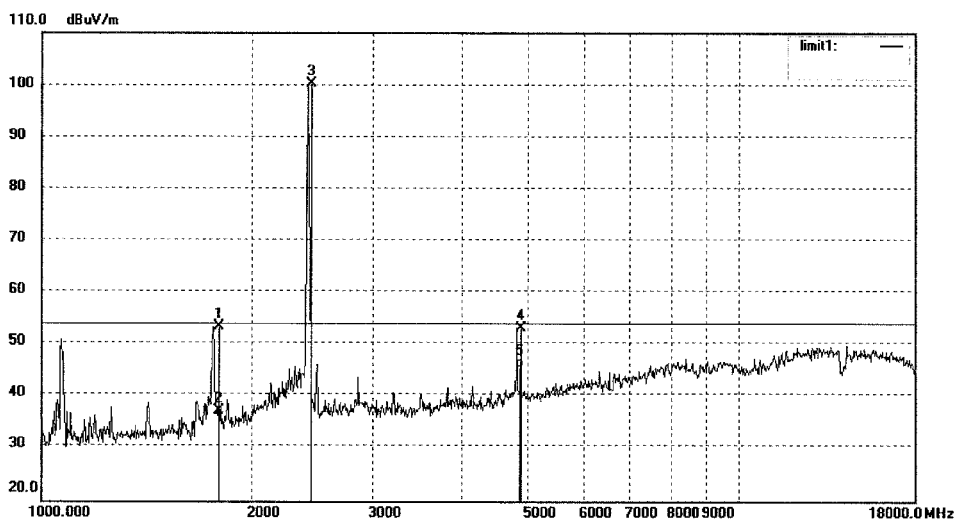
Mode: TX 2437MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11b



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 1800.368    | 63.40            | -10.04      | 53.36           | 74.00          | -20.64      | peak     |             |               |        |
| 2   | 1800.368    | 47.23            | -10.04      | 37.19           | 54.00          | -16.81      | peak     |             |               |        |
| 3   | 2437.000    | 107.63           | -7.36       | 100.27          | /              | /           | peak     |             |               |        |
| 4   | 4874.306    | 53.03            | 0.09        | 53.12           | 74.00          | -20.88      | peak     |             |               |        |
| 5   | 4874.306    | 45.37            | 0.09        | 45.46           | 54.00          | -8.54       | AVG      |             |               |        |


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Site: 2# Chamber

Tel: +86-0755-26503290

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Job No.: PHY #1831

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014-5-23

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

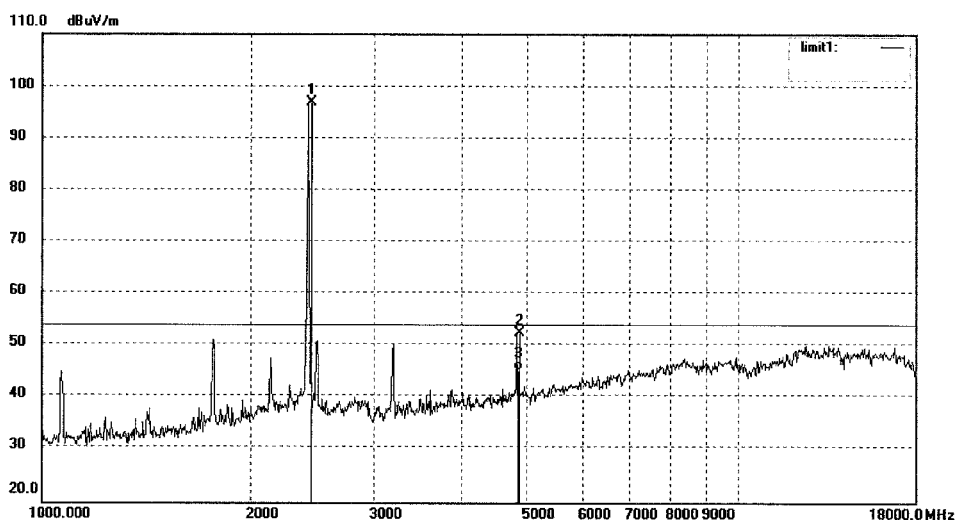
Mode: TX 2437MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11b



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2437.000    | 104.09           | -7.36       | 96.73           | /              | /           | peak     |             |               |        |
| 2   | 4874.335    | 52.49            | 0.09        | 52.58           | 74.00          | -21.42      | peak     |             |               |        |
| 3   | 4874.335    | 45.15            | 0.09        | 45.24           | 54.00          | -8.76       | AVG      |             |               |        |


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Job No.: PHY #1832

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: TX 2462MHz

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Horizontal

Power Source: AC 120V/60Hz

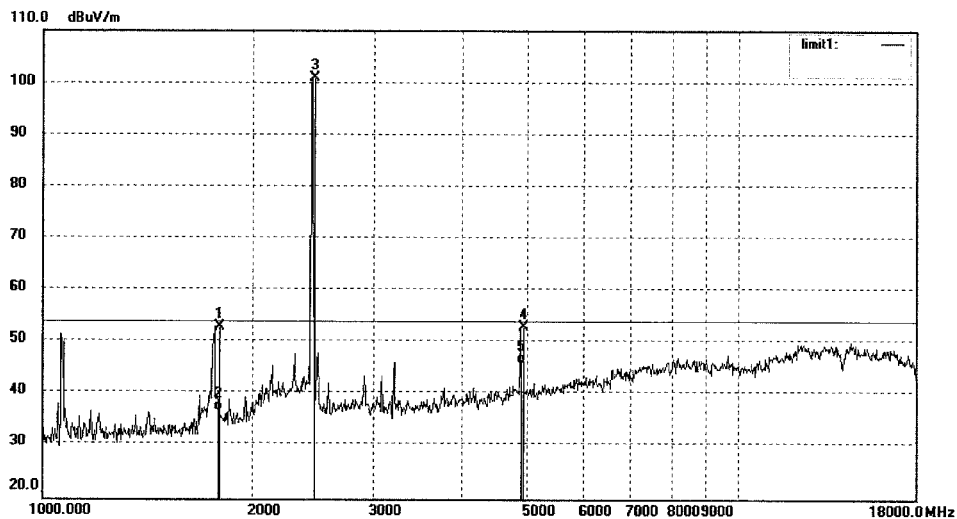
Date: 2014-5-23

Time:

Engineer Signature: PEI

Distance:

Note: 802.11b



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 1799.985       | 63.10               | -10.04         | 53.06              | 74.00             | -20.94         | peak     |                |                  |        |
| 2   | 1799.985       | 46.80               | -10.04         | 36.76              | 54.00             | -17.24         | AVG      |                |                  |        |
| 3   | 2462.000       | 108.27              | -7.35          | 100.92             | /                 | /              | peak     |                |                  |        |
| 4   | 4924.031       | 52.54               | 0.34           | 52.88              | 74.00             | -21.12         | peak     |                |                  |        |
| 5   | 4924.031       | 45.58               | 0.34           | 45.92              | 54.00             | -8.08          | AVG      |                |                  |        |


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F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1833

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: TX 2462MHz

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Vertical

Power Source: AC 120V/60Hz

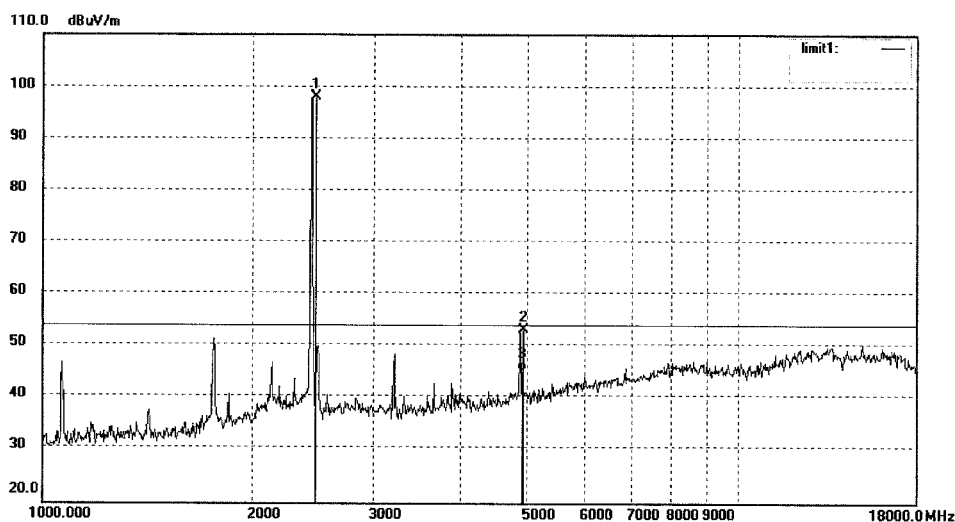
Date: 2014-5-23

Time:

Engineer Signature: PEI

Distance:

Note: 802.11b



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2462.000       | 105.41              | -7.35          | 98.06              | /                 | /              | peak     |                |                  |        |
| 2   | 4924.216       | 52.74               | 0.34           | 53.08              | 74.00             | -20.92         | peak     |                |                  |        |
| 3   | 4924.216       | 45.07               | 0.34           | 45.41              | 54.00             | -8.59          | AVG      |                |                  |        |


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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1767

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

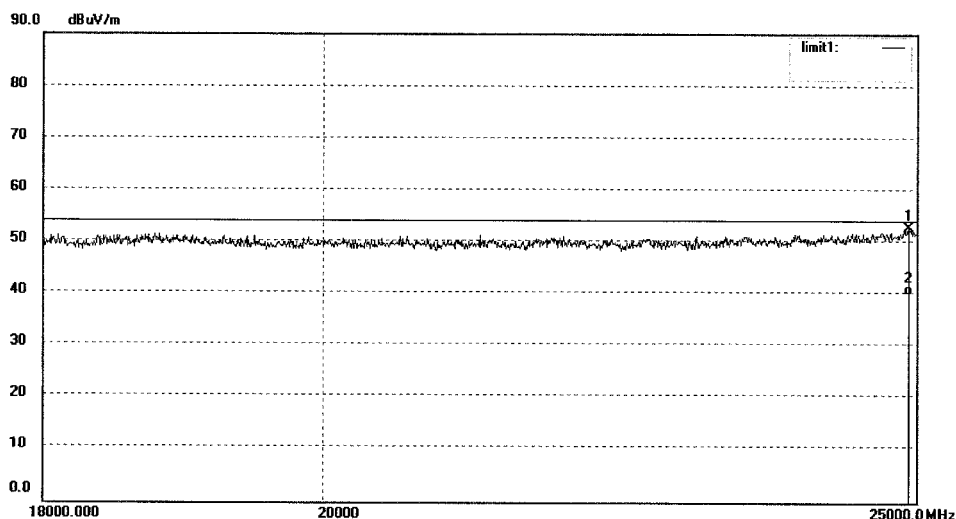
Mode: TX 2412MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11b



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24926.048      | 33.91               | 18.80          | 52.71              | 74.00             | -21.29         | peak     |                |                  |        |
| 2   | 24926.048      | 21.15               | 18.80          | 39.95              | 54.00             | -14.05         | AVG      |                |                  |        |


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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1768

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

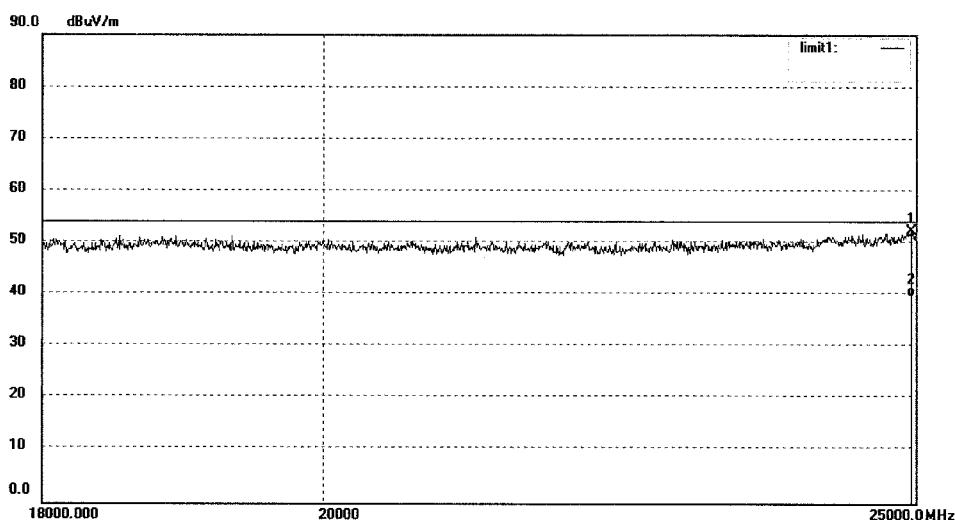
Mode: TX 2412MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11b



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24958.889      | 33.49               | 18.84          | 52.33              | 74.00             | -21.67         | peak     |                |                  |        |
| 2   | 24958.889      | 20.85               | 18.84          | 39.69              | 54.00             | -14.31         | AVG      |                |                  |        |


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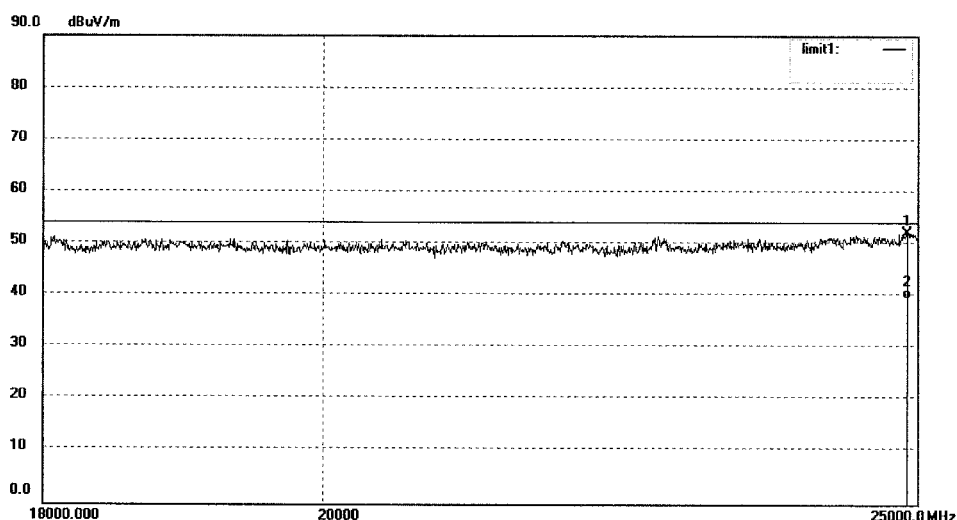
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

|                                   |                            |
|-----------------------------------|----------------------------|
| Job No.: PHY #1770                | Polarization: Horizontal   |
| Standard: FCC Class B 3M Radiated | Power Source: AC 120V/60Hz |
| Test item: Radiation Test         | Date: 14/05/18/            |
| Temp.( C)/Hum.(%) 23 C / 48 %     | Time:                      |
| EUT: MID                          | Engineer Signature: PEI    |
| Mode: TX 2437MHz                  | Distance:                  |
| Model: NS-15AT07                  |                            |
| Manufacturer: Yifang              |                            |
| Note: 802.11b                     |                            |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 24909.644   | 33.34            | 18.77       | 52.11           | 74.00          | -21.89      | peak     |             |               |        |
| 2   | 24909.644   | 20.77            | 18.77       | 39.54           | 54.00          | -14.46      | AVG      |             |               |        |


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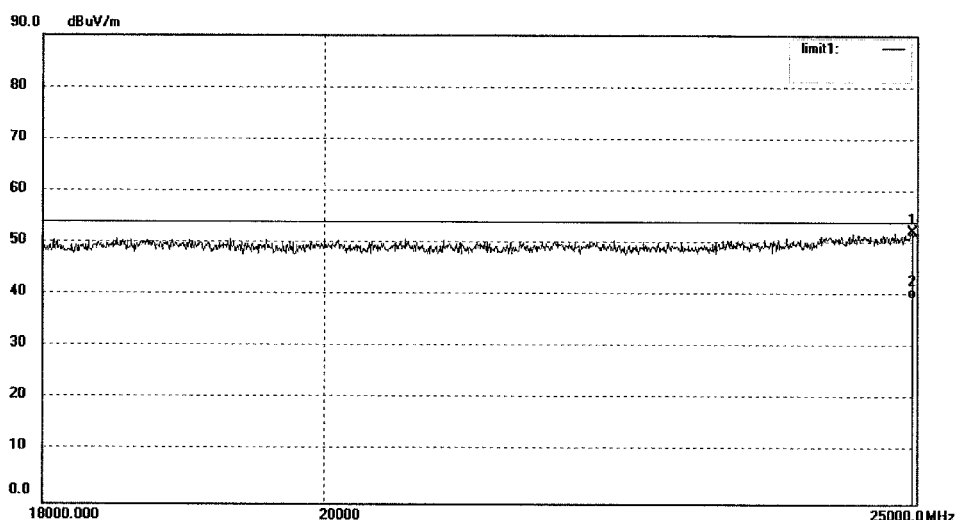
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

|                                   |                            |
|-----------------------------------|----------------------------|
| Job No.: PHY #1769                | Polarization: Vertical     |
| Standard: FCC Class B 3M Radiated | Power Source: AC 120V/60Hz |
| Test item: Radiation Test         | Date: 14/05/18/            |
| Temp.( C)/Hum.(%) 23 C / 48 %     | Time:                      |
| EUT: MID                          | Engineer Signature: PEI    |
| Mode: TX 2437MHz                  | Distance:                  |
| Model: NS-15AT07                  |                            |
| Manufacturer: Yifang              |                            |
| Note: 802.11b                     |                            |



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24958.889      | 33.40               | 18.84          | 52.24              | 74.00             | -21.76         | peak     |                |                  |        |
| 2   | 24958.889      | 20.64               | 18.84          | 39.48              | 54.00             | -14.52         | AVG      |                |                  |        |


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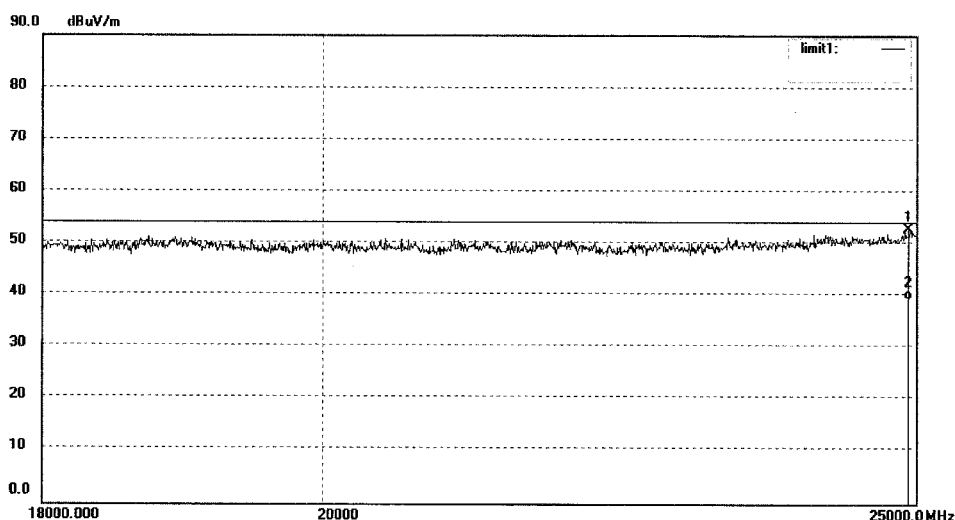
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

|                                   |                            |
|-----------------------------------|----------------------------|
| Job No.: PHY #1771                | Polarization: Horizontal   |
| Standard: FCC Class B 3M Radiated | Power Source: AC 120V/60Hz |
| Test item: Radiation Test         | Date: 14/05/18/            |
| Temp.( C)/Hum.(%) 23 C / 48 %     | Time:                      |
| EUT: MID                          | Engineer Signature: PEI    |
| Mode: TX 2462MHz                  | Distance:                  |
| Model: NS-15AT07                  |                            |
| Manufacturer: Yifang              |                            |
| Note: 802.11b                     |                            |



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24934.254      | 33.89               | 18.81          | 52.70              | 74.00             | -21.30         | peak     |                |                  |        |
| 2   | 24934.254      | 20.49               | 18.81          | 39.30              | 54.00             | -14.70         | AVG      |                |                  |        |


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Tel: +86-0755-26503290

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Job No.: PHY #1772

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

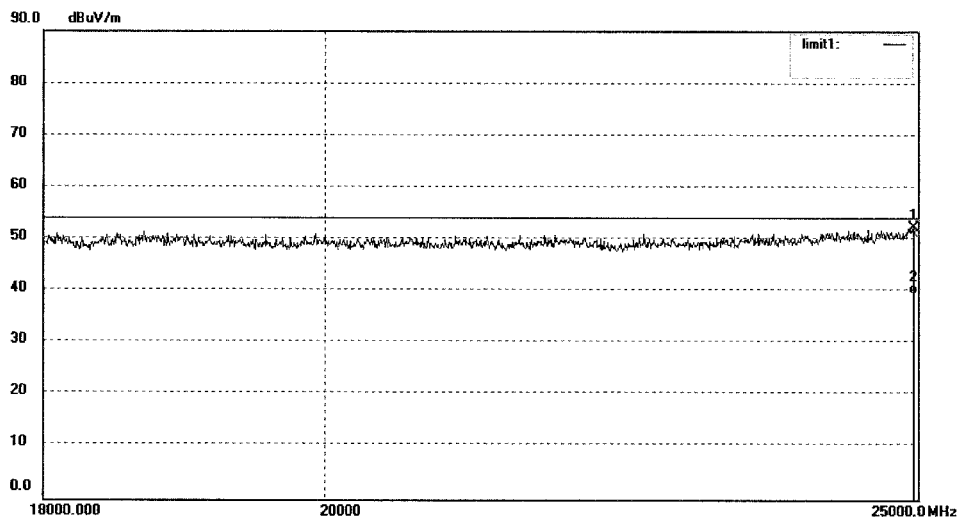
Mode: TX 2462MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11b



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24967.105      | 33.38               | 18.85          | 52.23              | 74.00             | -21.77         | peak     |                |                  |        |
| 2   | 24967.105      | 20.70               | 18.85          | 39.55              | 54.00             | -14.45         | AVG      |                |                  |        |

## Test Plot of Frequency Band Edge of 802.11b mode


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Site: 2# Chamber

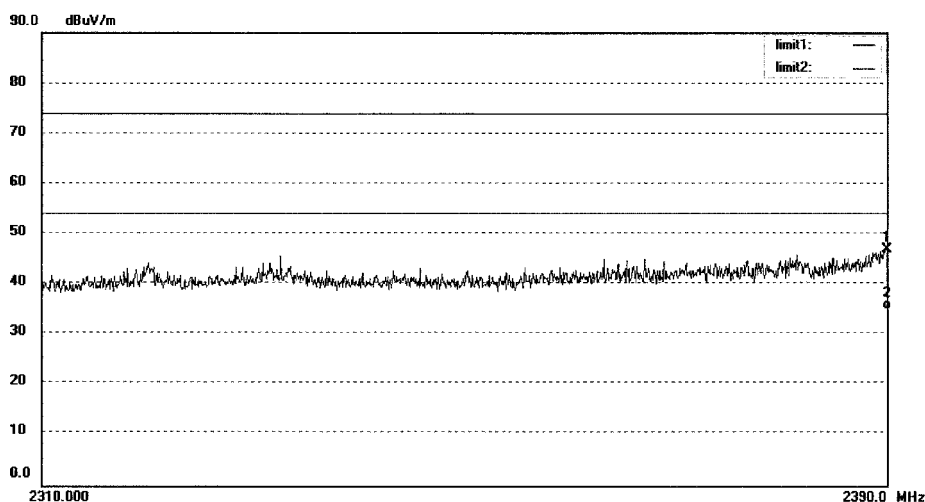
Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1810  
Standard: FCC (Band Edge)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: MID  
Mode: TX 2412MHz  
Model: NS-15AT07  
Manufacturer: Yifang

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 14/05/20/  
Time:  
Engineer Signature: PEI  
Distance:

Note: 802.11b



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2390.000       | 54.46               | -7.53          | 46.93              | 74.00             | -27.07         | peak     |                |                  |        |
| 2   | 2390.000       | 42.63               | -7.53          | 35.10              | 54.00             | -18.90         | AVG      |                |                  |        |


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Site: 2# Chamber

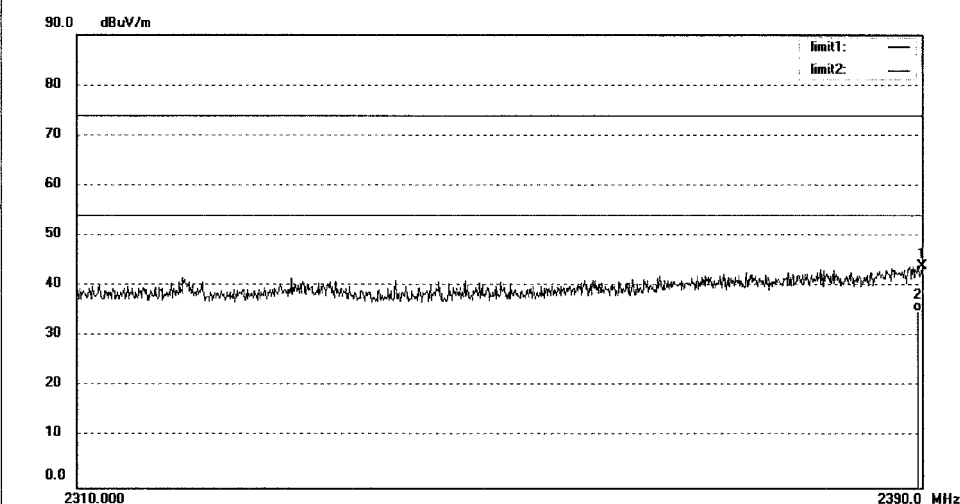
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1811  
Standard: FCC (Band Edge)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: MID  
Mode: TX 2412MHz  
Model: NS-15AT07  
Manufacturer: Yifang

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 14/05/20/  
Time:  
Engineer Signature: PEI  
Distance:

Note: 802.11b



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2390.000       | 51.60               | -7.53          | 44.07              | 74.00             | -29.93         | peak     |                |                  |        |
| 2   | 2390.000       | 42.63               | -7.53          | 35.10              | 54.00             | -18.90         | AVG      |                |                  |        |


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Site: 2# Chamber

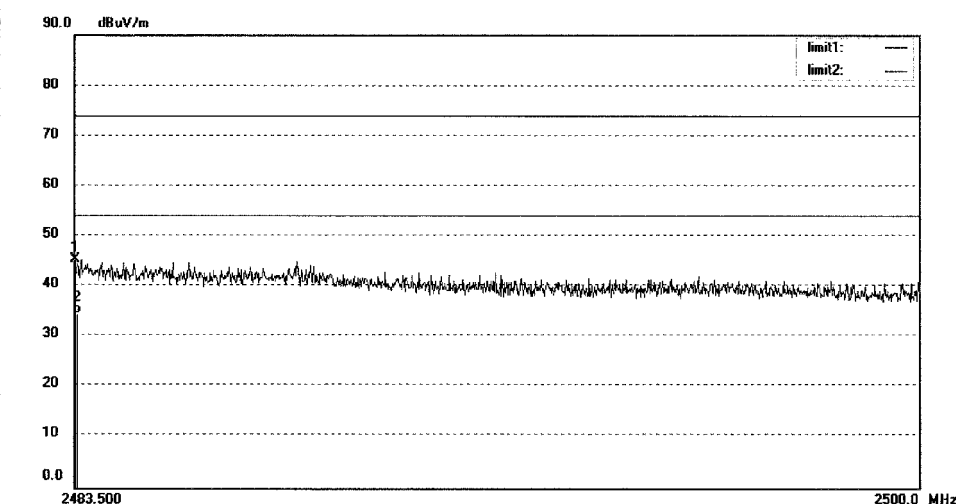
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1813  
Standard: FCC (Band Edge)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: MID  
Mode: TX 2462MHz  
Model: NS-15AT07  
Manufacturer: Yifang

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 14/05/20/  
Time:  
Engineer Signature: PEI  
Distance:

Note: 802.11b



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2483.500       | 52.71               | -7.37          | 45.34              | 74.00             | -28.66         | peak     |                |                  |        |
| 2   | 2483.500       | 41.87               | -7.37          | 34.50              | 54.00             | -19.50         | AVG      |                |                  |        |


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Site: 2# Chamber

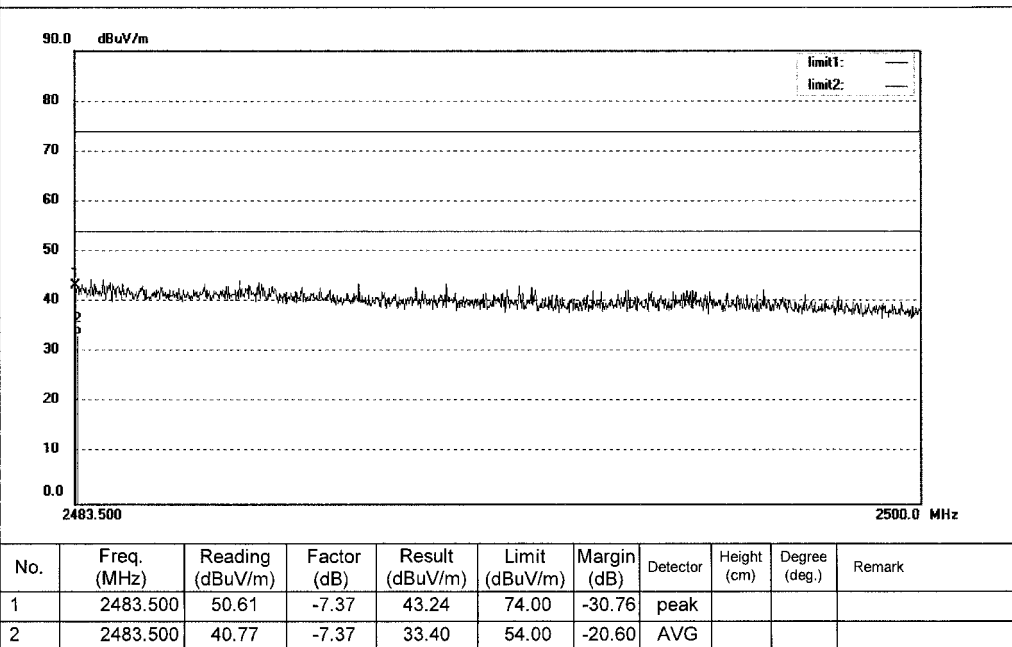
Tel:+86-0755-26503290

Fax:+86-0755-26503396

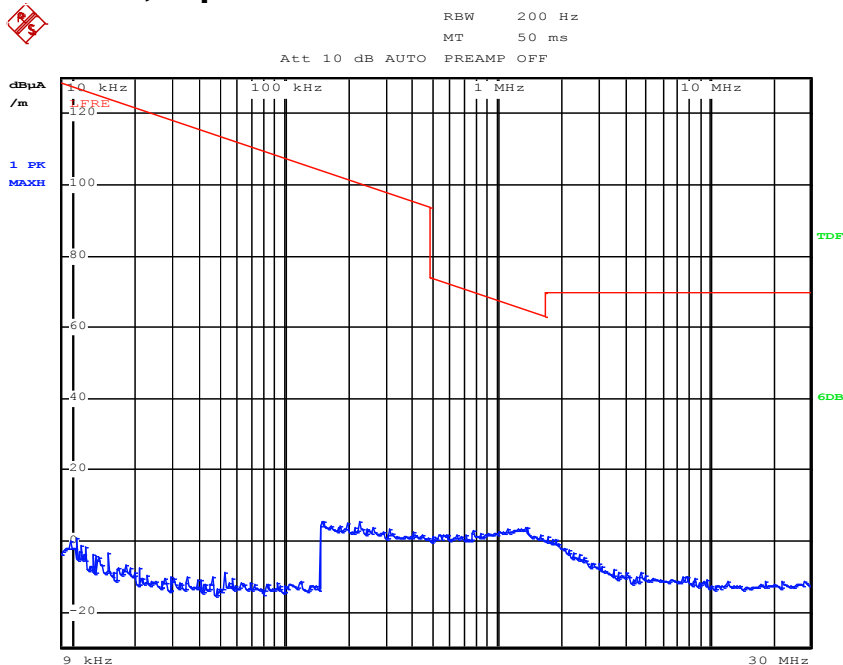
Job No.: PHY #1812  
Standard: FCC (Band Edge)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: MID  
Mode: TX 2462MHz  
Model: NS-15AT07  
Manufacturer: Yifang

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 14/05/20/  
Time:  
Engineer Signature: PEI  
Distance:

Note: 802.11b

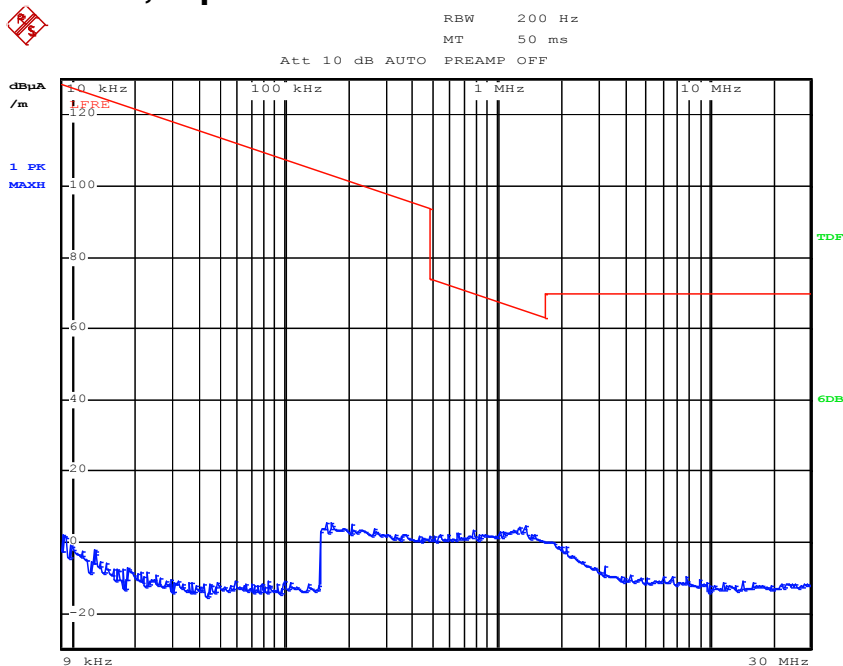


## Test Plot of Spurious Emission of transmitting of 802.11g mode Low channel, X polarization:



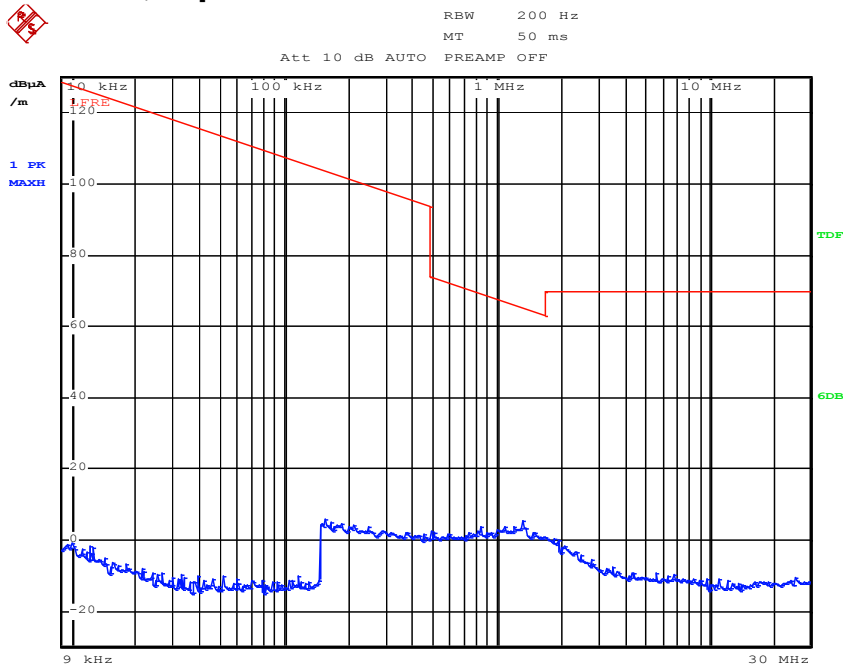
Date: 24.MAY.2014 15:00:36

## Low channel, Y polarization:



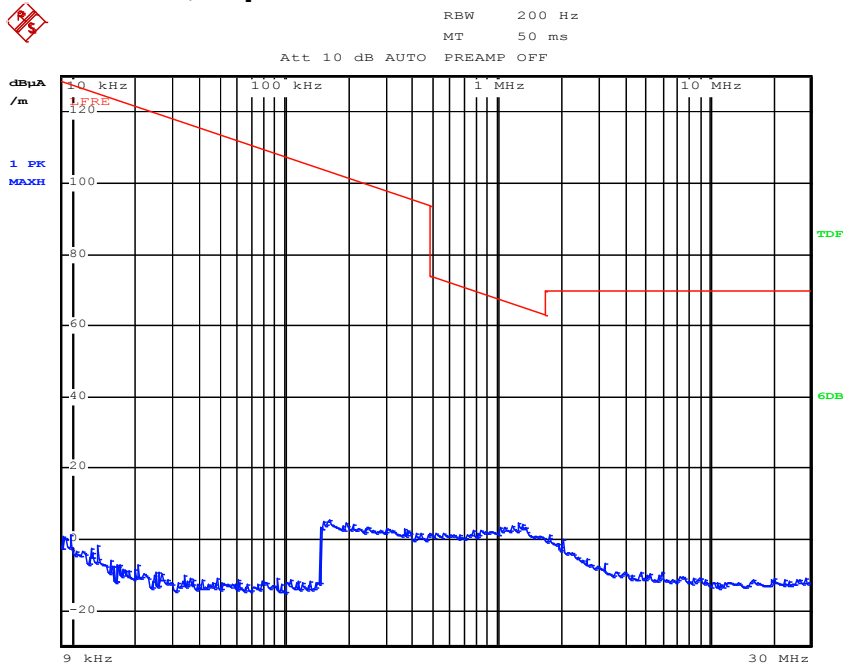
Date: 24.MAY.2014 15:02:33

### Low channel, Z polarization:



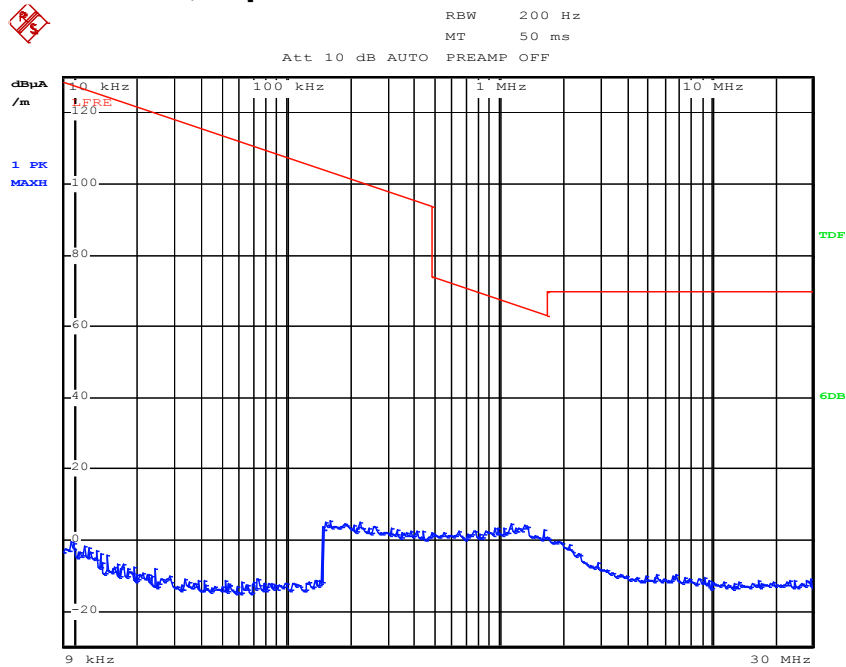
Date: 24.MAY.2014 15:04:34

### Middle channel, X polarization:



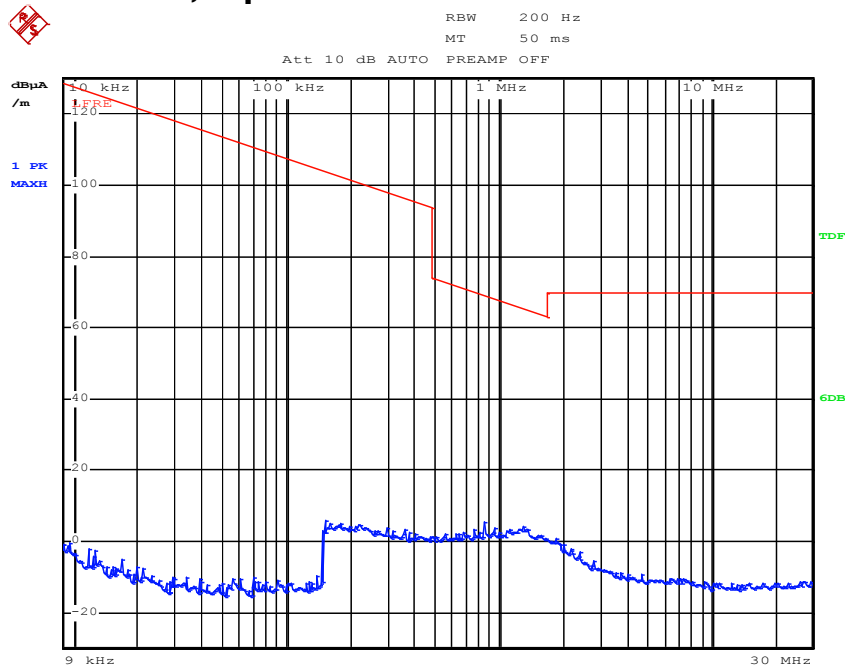
Date: 24.MAY.2014 15:06:34

### Middle channel, Y polarization:



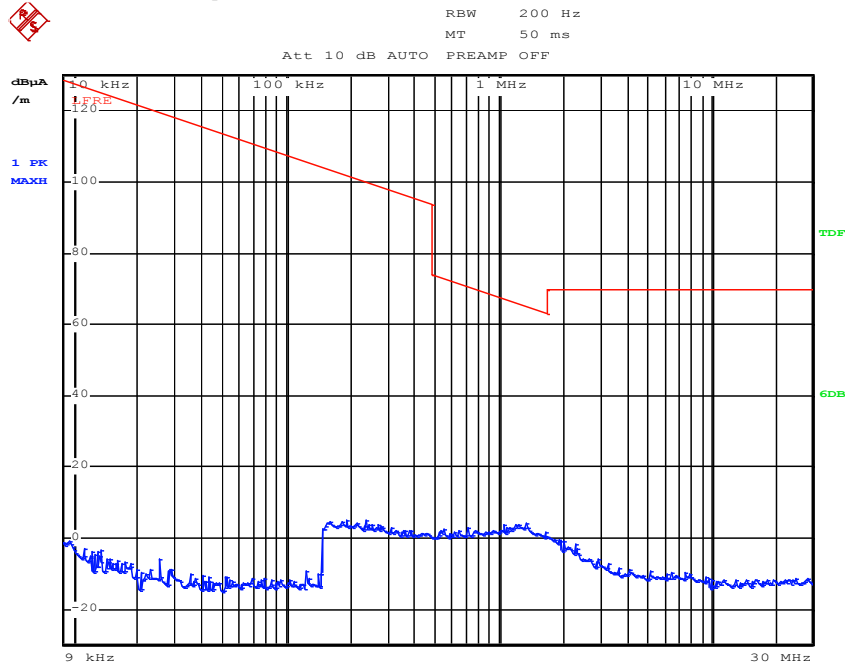
Date: 24.MAY.2014 15:08:31

### Middle channel, Z polarization:



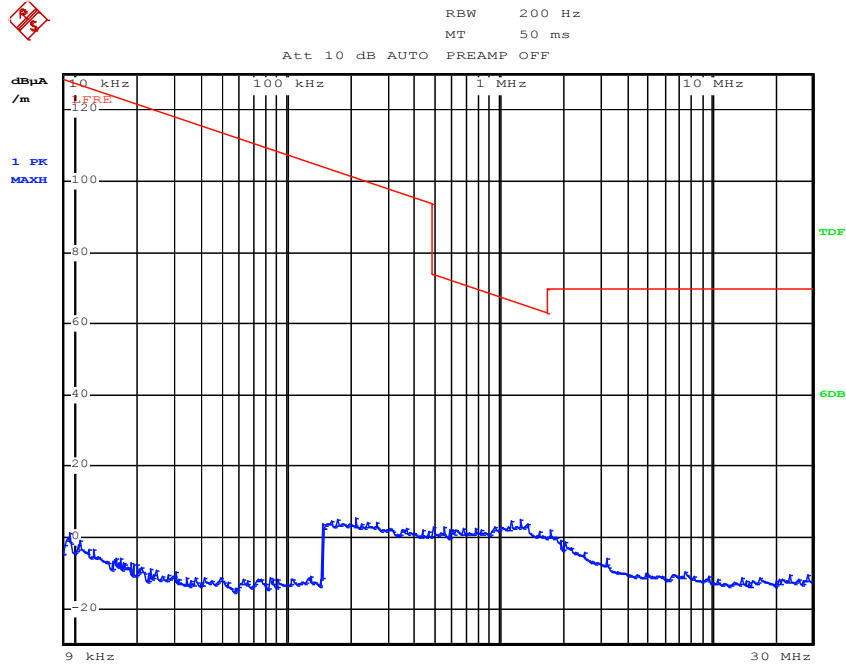
Date: 24.MAY.2014 15:10:24

## High channel, X polarization:



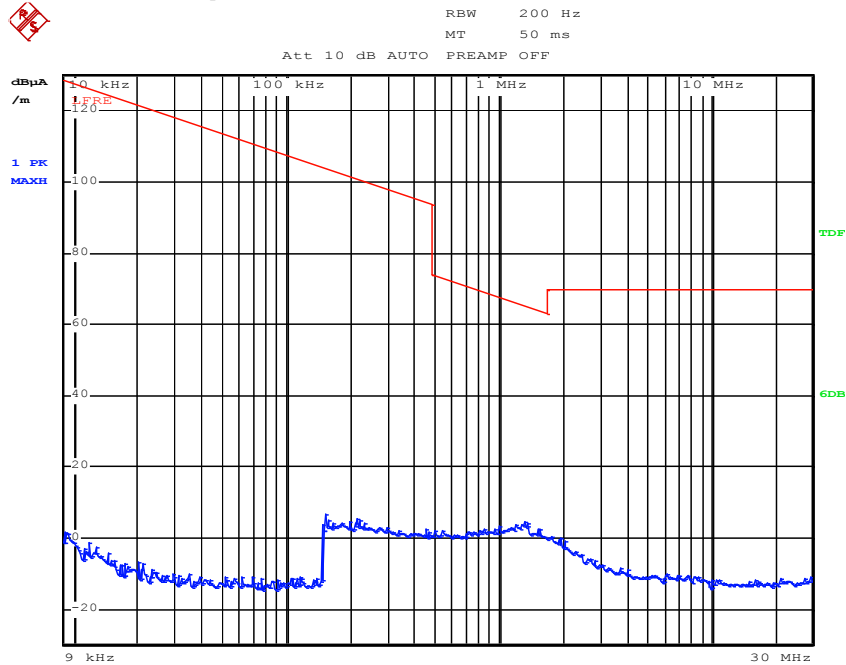
Date: 24.MAY.2014 15:12:20

## High channel, Y polarization:



Date: 24.MAY.2014 15:14:18

## High channel, Z polarization:



Date: 24.MAY.2014 15:16:28


**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1686

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/17/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

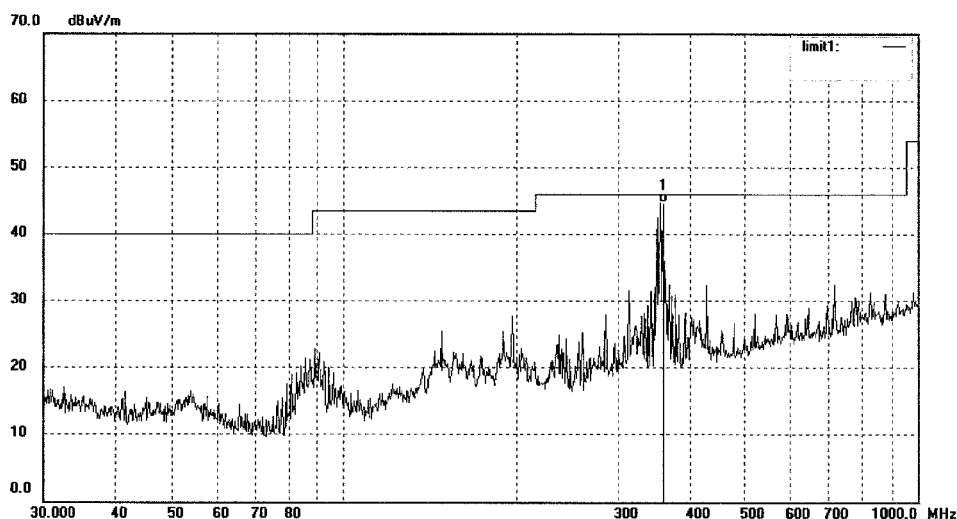
Mode: TX 2412MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11g



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0426       | 52.41               | -7.61          | 44.80              | 46.00             | -1.20          | QP       |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1685

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: TX 2412MHz

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Vertical

Power Source: AC 120V/60Hz

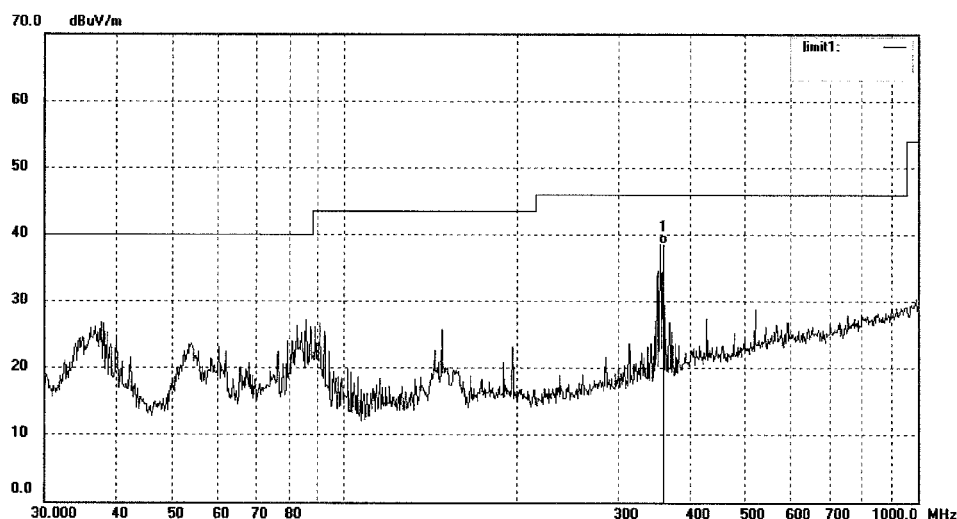
Date: 14/05/17/

Time:

Engineer Signature: PEI

Distance:

Note: 802.11g



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0326       | 46.12               | -7.61          | 38.51              | 46.00             | -7.49          | QP       |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1687

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/17/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

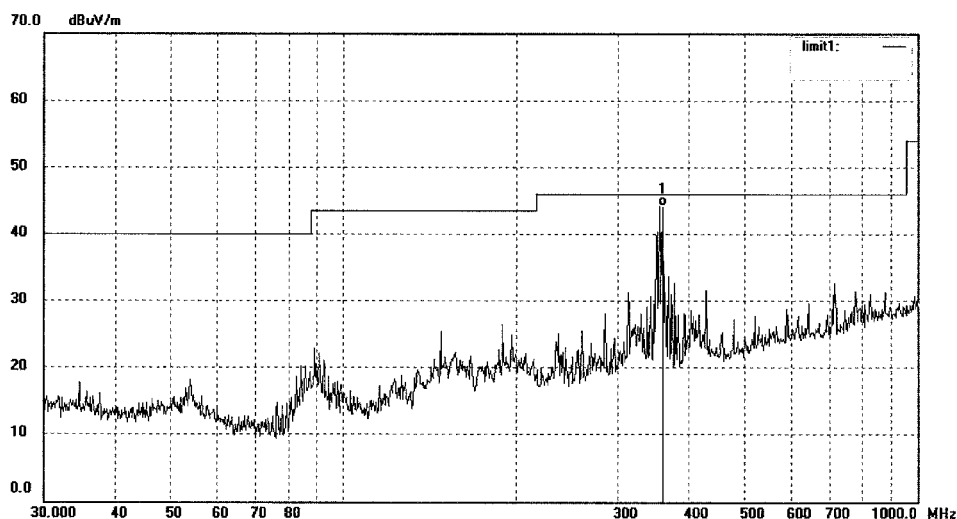
Mode: TX 2437MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11g



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0360       | 51.83               | -7.61          | 44.22              | 46.00             | -1.78          | QP       |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1688

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/17/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

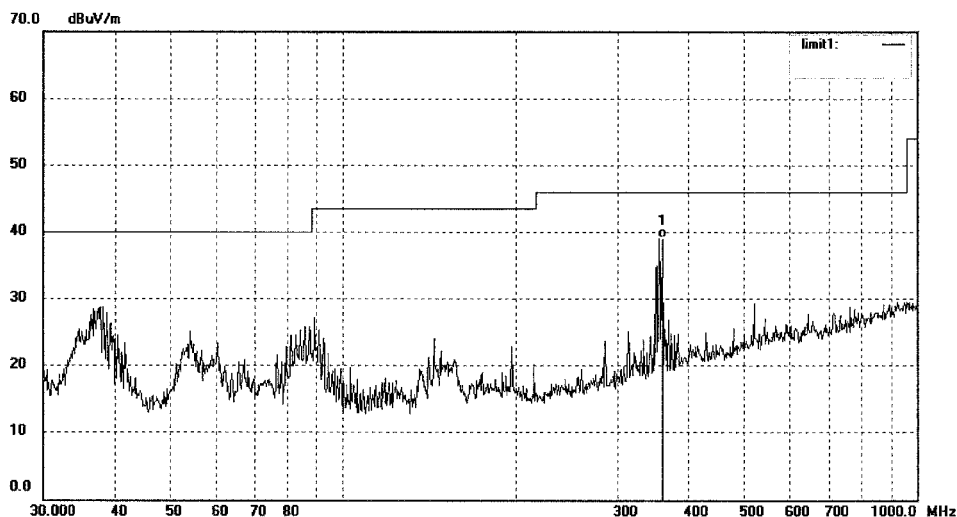
Mode: TX 2437MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11g



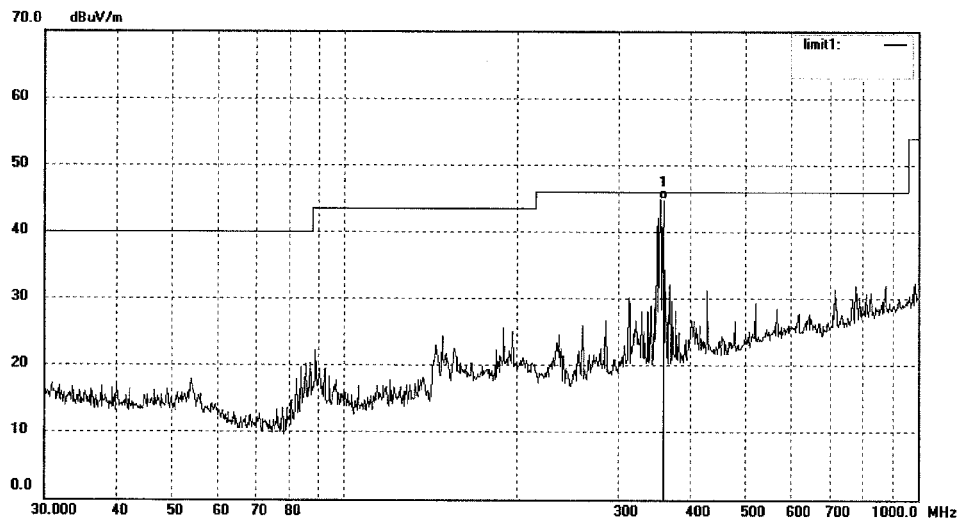
| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0325       | 46.78               | -7.61          | 39.17              | 46.00             | -6.83          | QP       |                |                  |        |


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 Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

|                                   |                            |
|-----------------------------------|----------------------------|
| Job No.: PHY #1690                | Polarization: Horizontal   |
| Standard: FCC Class B 3M Radiated | Power Source: AC 120V/60Hz |
| Test item: Radiation Test         | Date: 14/05/17/            |
| Temp.( C)/Hum.(%) 23 C / 48 %     | Time:                      |
| EUT: MID                          | Engineer Signature: PEI    |
| Mode: TX 2462MHz                  | Distance:                  |
| Model: NS-15AT07                  |                            |
| Manufacturer: Yifang              |                            |

Note: 802.11g



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 360.0352    | 52.45            | -7.61       | 44.84           | 46.00          | -1.16       | QP       |             |               |        |


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Site: 2# Chamber

Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: PHY #1689

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/17/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

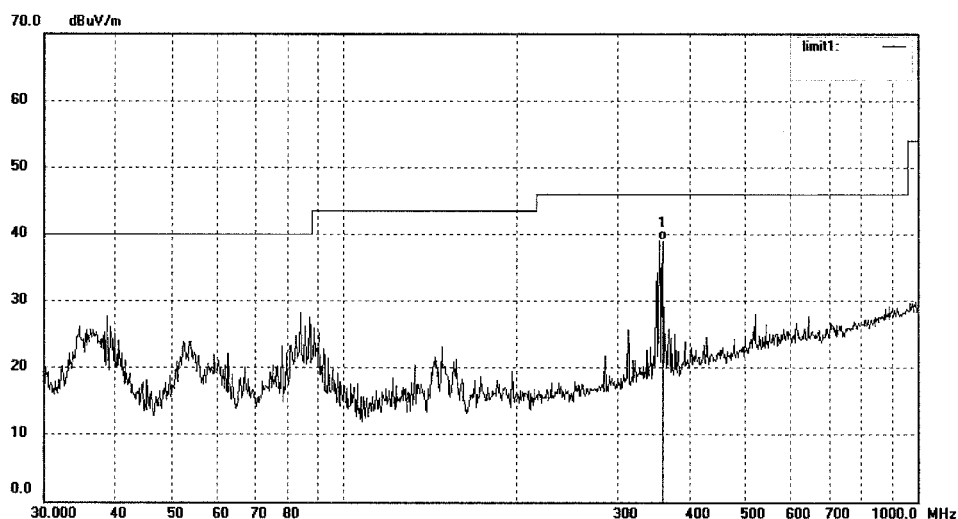
Mode: TX 2462MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11g



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0355       | 46.66               | -7.61          | 39.05              | 46.00             | -6.95          | QP       |                |                  |        |


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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1822

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014-5-23

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

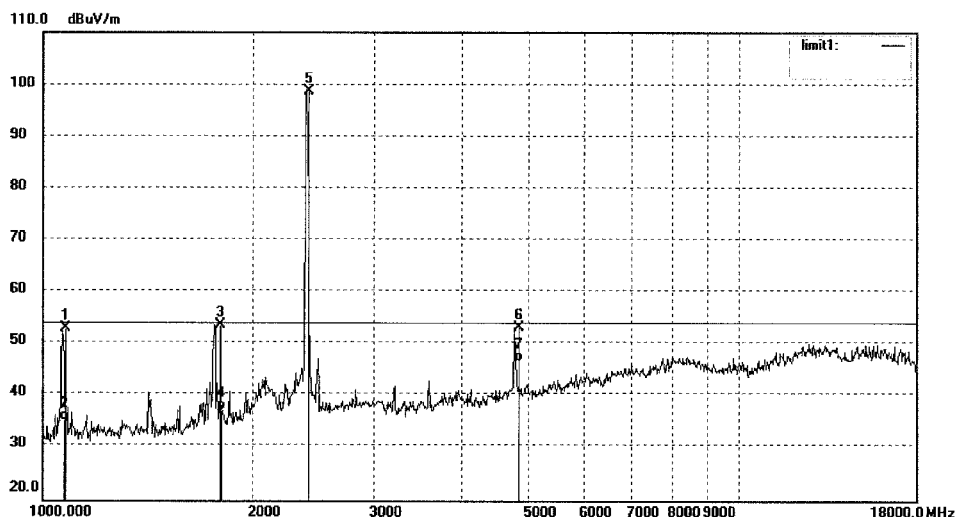
Mode: TX 2412MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11g



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 1080.012    | 65.50            | -12.64      | 52.86           | 74.00          | -21.14      | peak     |             |               |        |
| 2   | 1080.012    | 47.87            | -12.64      | 35.23           | 54.00          | -18.77      | AVG      |             |               |        |
| 3   | 1800.037    | 63.70            | -10.04      | 53.66           | 74.00          | -20.34      | peak     |             |               |        |
| 4   | 1800.037    | 47.28            | -10.04      | 37.24           | 54.00          | -16.76      | AVG      |             |               |        |
| 5   | 2412.000    | 106.04           | -7.43       | 98.61           | /              | /           | peak     |             |               |        |
| 6   | 4824.214    | 53.40            | -0.19       | 53.21           | 74.00          | -20.79      | peak     |             |               |        |
| 7   | 4824.214    | 46.84            | -0.19       | 46.65           | 54.00          | -7.35       | AVG      |             |               |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1823

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014-5-23

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

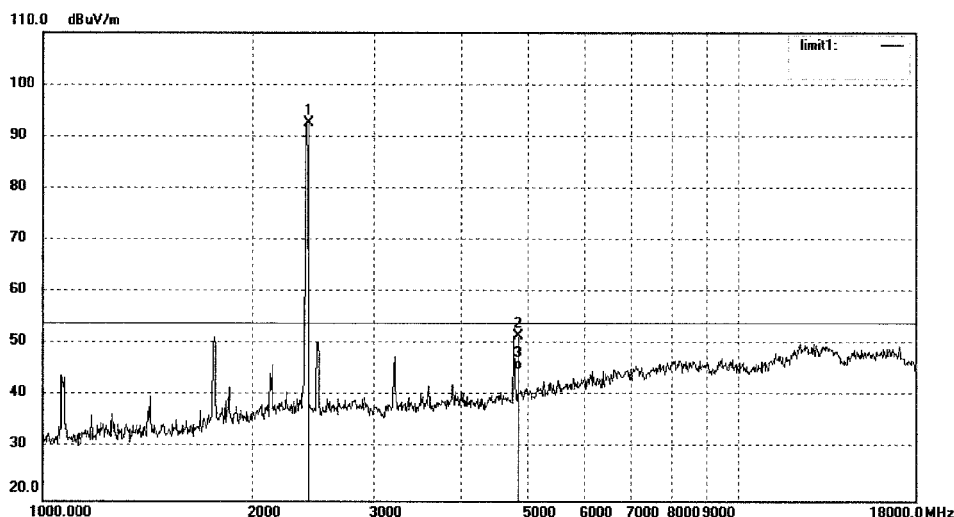
Mode: TX 2412MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11g



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2412.000       | 100.06              | -7.43          | 92.63              | /                 | /              | peak     |                |                  |        |
| 2   | 4824.358       | 51.80               | -0.19          | 51.61              | 74.00             | -22.39         | peak     |                |                  |        |
| 3   | 4824.358       | 45.38               | -0.19          | 45.19              | 54.00             | -8.81          | AVG      |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1825

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014-5-23

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

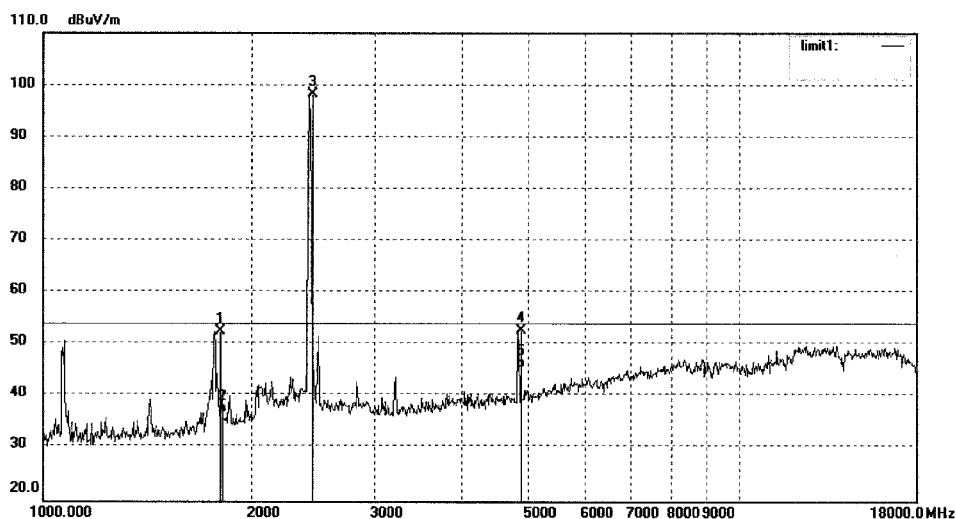
Mode: TX 2437MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11g



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 1799.965       | 62.64               | -10.04         | 52.60              | 74.00             | -21.40         | peak     |                |                  |        |
| 2   | 1799.965       | 46.86               | -10.04         | 36.82              | 54.00             | -17.18         | AVG      |                |                  |        |
| 3   | 2437.000       | 105.59              | -7.36          | 98.23              | /                 | /              | peak     |                |                  |        |
| 4   | 4874.262       | 52.70               | 0.09           | 52.79              | 74.00             | -21.21         | peak     |                |                  |        |
| 5   | 4874.262       | 45.47               | 0.09           | 45.56              | 54.00             | -8.44          | AVG      |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

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Job No.: PHY #1824

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014-5-23

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

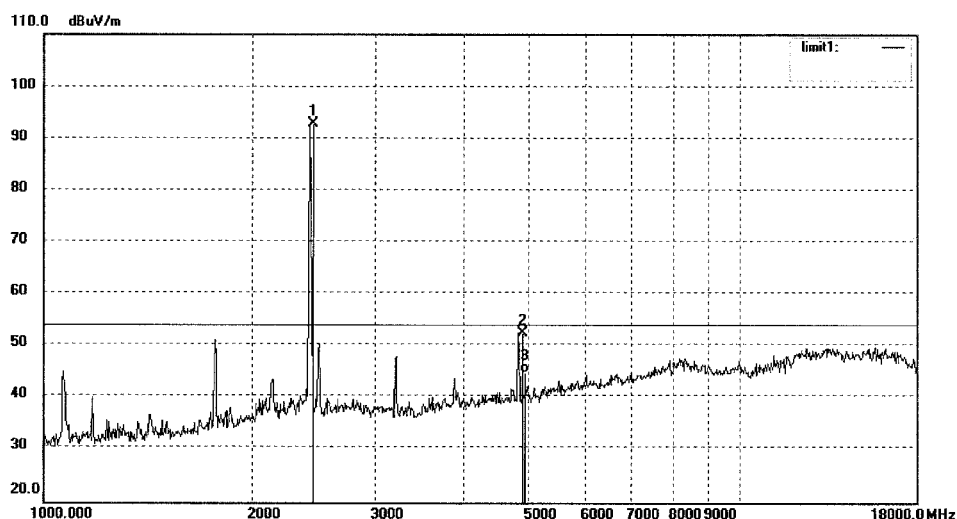
Mode: TX 2437MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11g



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2437.000       | 100.09              | -7.36          | 92.73              | /                 | /              | peak     |                |                  |        |
| 2   | 4874.285       | 52.47               | 0.09           | 52.56              | 74.00             | -21.44         | peak     |                |                  |        |
| 3   | 4874.285       | 44.85               | 0.09           | 44.94              | 54.00             | -9.06          | AVG      |                |                  |        |


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Tel: +86-0755-26503290

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Job No.: PHY #1826

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014-5-23

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

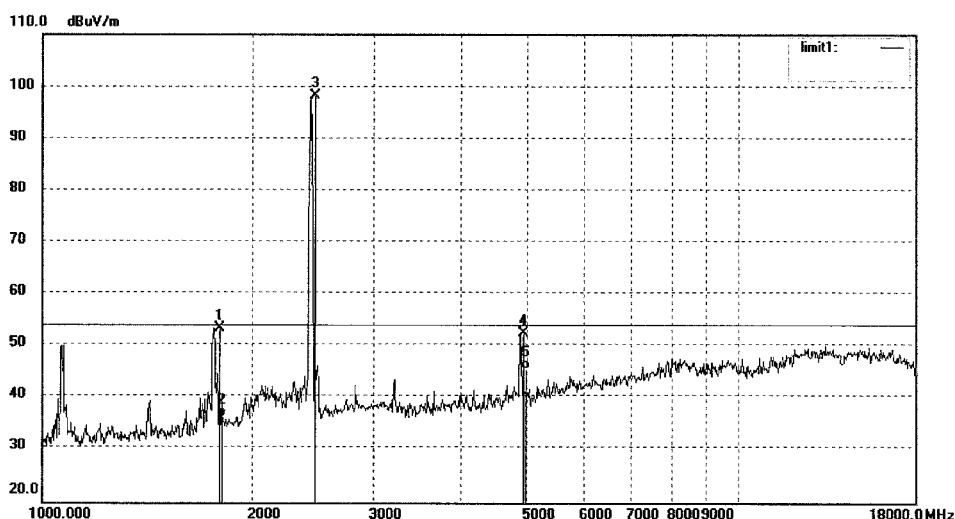
Mode: TX 2462MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11g



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 1801.020       | 63.50               | -10.04         | 53.46              | 74.00             | -20.54         | peak     |                |                  |        |
| 2   | 1801.020       | 46.25               | -10.04         | 36.21              | 54.00             | -17.79         | AVG      |                |                  |        |
| 3   | 2462.000       | 105.45              | -7.35          | 98.10              | /                 | /              | peak     |                |                  |        |
| 4   | 4924.270       | 52.08               | 0.34           | 52.42              | 74.00             | -21.58         | peak     |                |                  |        |
| 5   | 4924.270       | 45.12               | 0.34           | 45.46              | 54.00             | -8.54          | AVG      |                |                  |        |


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Site: 2# Chamber

Tel: +86-0755-26503290

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Job No.: PHY #1827

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014-5-23

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

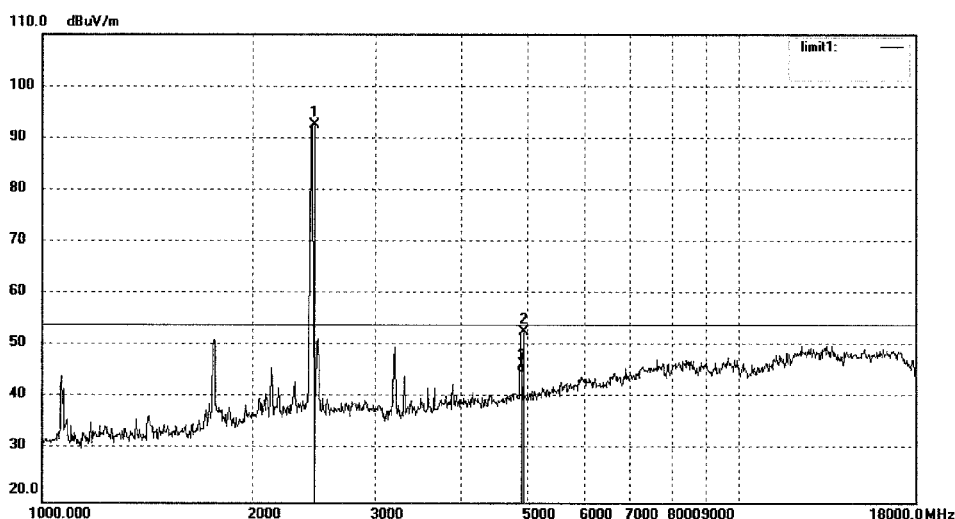
Mode: TX 2462MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11g



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2462.000       | 100.02              | -7.35          | 92.67              | /                 | /              | peak     |                |                  |        |
| 2   | 4924.363       | 52.38               | 0.34           | 52.72              | 74.00             | -21.28         | peak     |                |                  |        |
| 3   | 4924.363       | 44.44               | 0.34           | 44.78              | 54.00             | -9.22          | AVG      |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1774

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

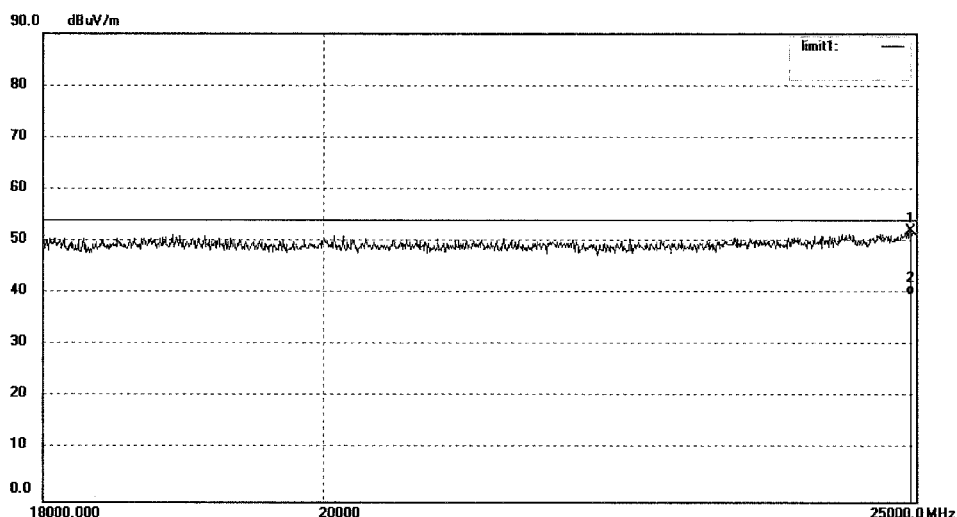
Mode: TX 2412MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11g



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24950.674      | 33.23               | 18.83          | 52.06              | 74.00             | -21.94         | peak     |                |                  |        |
| 2   | 24950.674      | 20.78               | 18.83          | 39.61              | 54.00             | -14.39         | AVG      |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1773

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

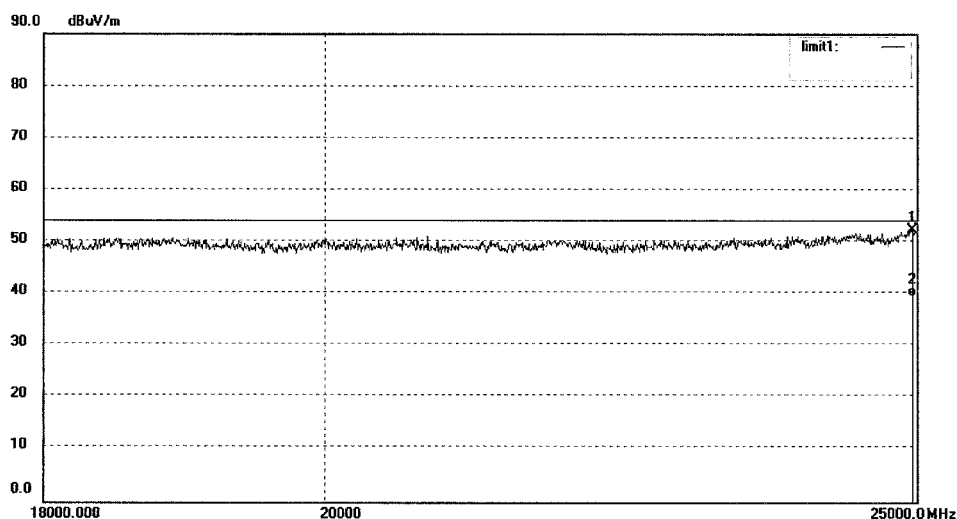
Mode: TX 2412MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11g



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 24967.105   | 33.52            | 18.85       | 52.37           | 74.00          | -21.63      | peak     |             |               |        |
| 2   | 24967.105   | 20.65            | 18.85       | 39.50           | 54.00          | -14.50      | AVG      |             |               |        |


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Site: 2# Chamber

Tel: +86-0755-26503290

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Job No.: PHY #1775

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: TX 2437MHz

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Horizontal

Power Source: AC 120V/60Hz

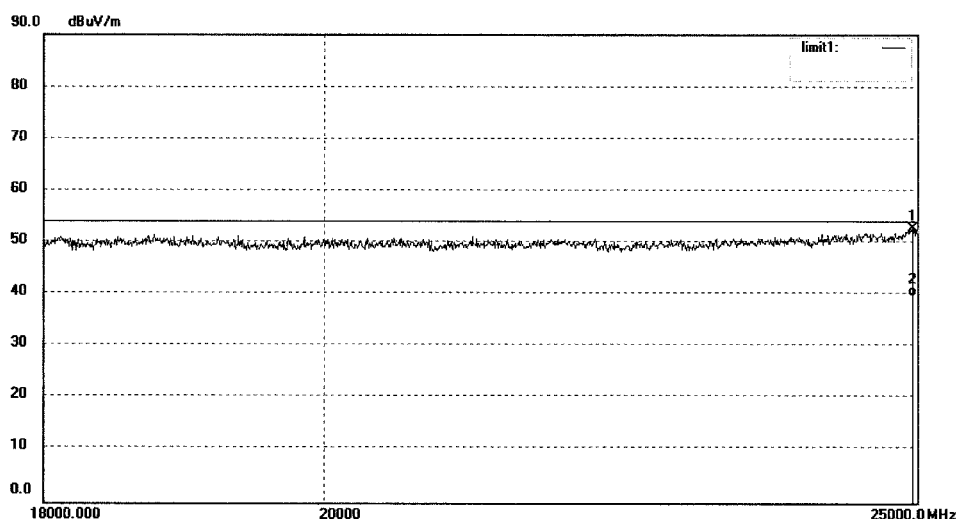
Date: 14/05/18/

Time:

Engineer Signature: PEI

Distance:

Note: 802.11g



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24967.105      | 33.86               | 18.85          | 52.71              | 74.00             | -21.29         | peak     |                |                  |        |
| 2   | 24967.105      | 20.79               | 18.85          | 39.64              | 54.00             | -14.36         | AVG      |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

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Job No.: PHY #1776

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: TX 2437MHz

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Vertical

Power Source: AC 120V/60Hz

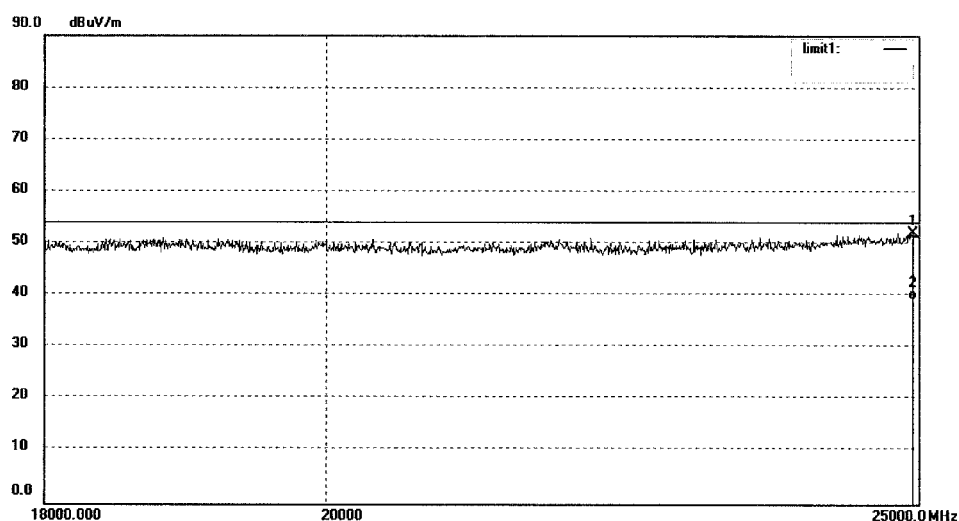
Date: 14/05/18/

Time:

Engineer Signature: PEI

Distance:

Note: 802.11g



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24950.674      | 33.16               | 18.83          | 51.99              | 74.00             | -22.01         | peak     |                |                  |        |
| 2   | 24950.674      | 20.46               | 18.83          | 39.29              | 54.00             | -14.71         | AVG      |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1778

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: TX 2462MHz

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Horizontal

Power Source: AC 120V/60Hz

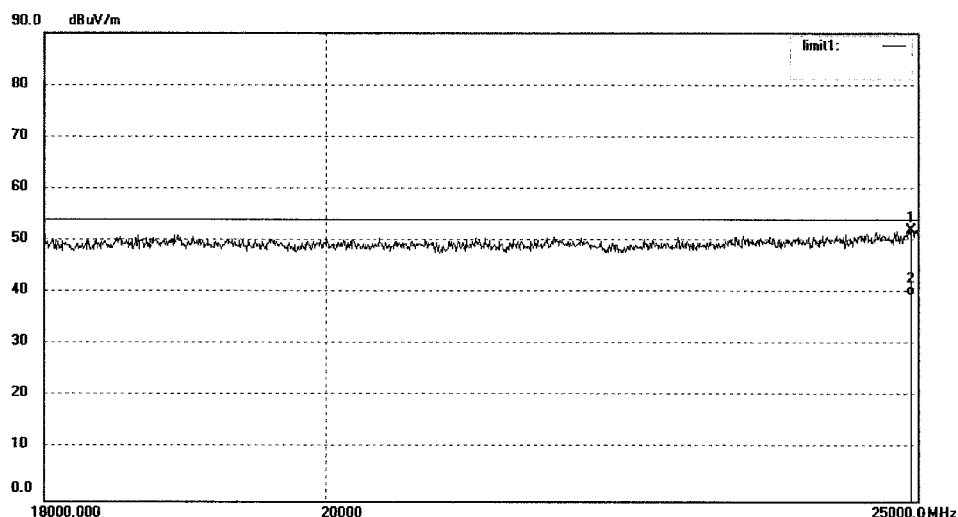
Date: 14/05/18/

Time:

Engineer Signature: PEI

Distance:

Note: 802.11g



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24942.463      | 33.26               | 18.82          | 52.08              | 74.00             | -21.92         | peak     |                |                  |        |
| 2   | 24942.463      | 20.73               | 18.82          | 39.55              | 54.00             | -14.45         | AVG      |                |                  |        |


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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1777

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: TX 2462MHz

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Vertical

Power Source: AC 120V/60Hz

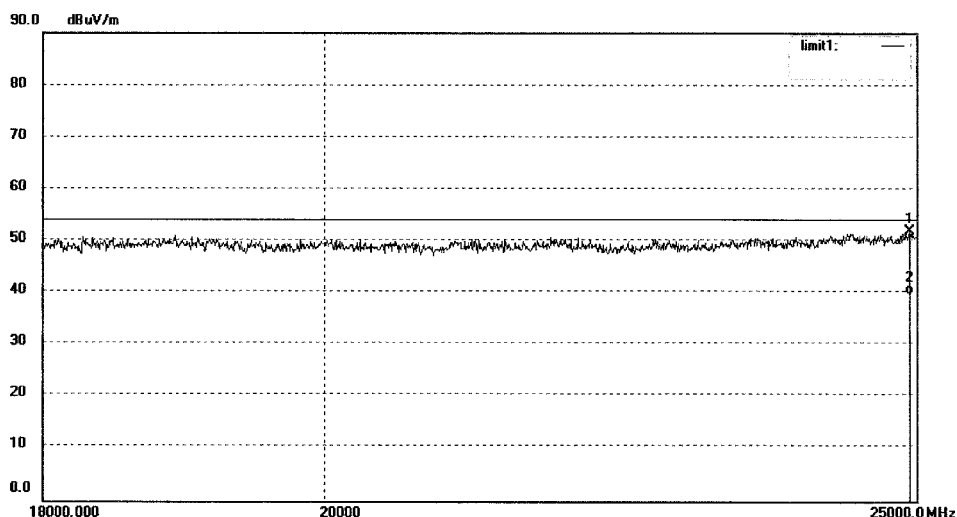
Date: 14/05/18/

Time:

Engineer Signature: PEI

Distance:

Note: 802.11g



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24942.463      | 33.04               | 18.82          | 51.86              | 74.00             | -22.14         | peak     |                |                  |        |
| 2   | 24942.463      | 20.80               | 18.82          | 39.62              | 54.00             | -14.38         | AVG      |                |                  |        |

## Test Plot of Frequency Band Edge of 802.11g mode


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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

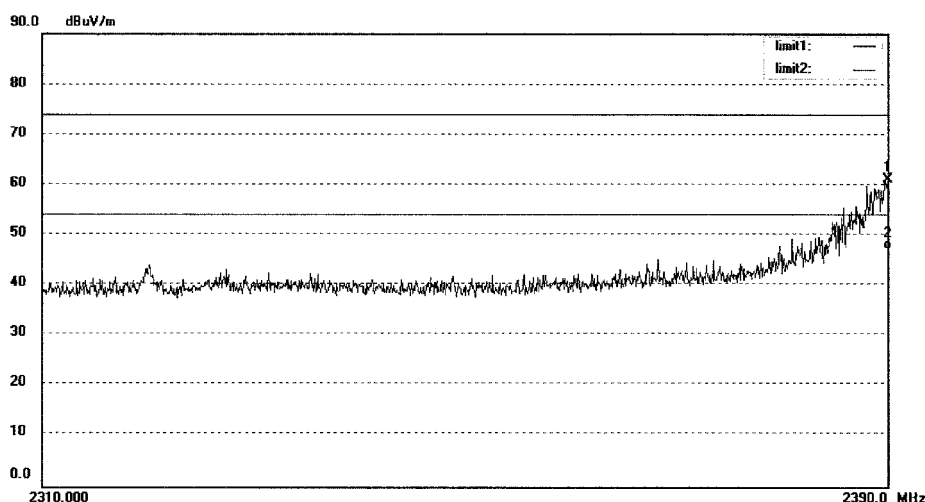
Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1806  
Standard: FCC (Band Edge)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: MID  
Mode: TX 2412MHz  
Model: NS-15AT07  
Manufacturer: Yifang

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 14/05/20/  
Time:  
Engineer Signature: PEI  
Distance:

Note: 802.11g



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2390.000       | 68.53               | -7.53          | 61.00              | 74.00             | -13.00         | peak     |                |                  |        |
| 2   | 2390.000       | 54.73               | -7.53          | 47.20              | 54.00             | -6.80          | AVG      |                |                  |        |


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Site: 2# Chamber

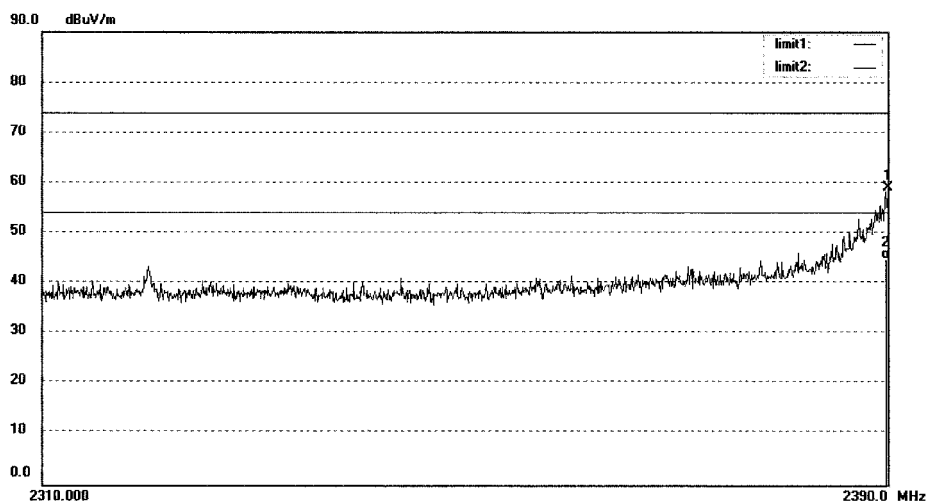
Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1807  
Standard: FCC (Band Edge)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: MID  
Mode: TX 2412MHz  
Model: NS-15AT07  
Manufacturer: Yifang

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 14/05/20/  
Time:  
Engineer Signature: PEI  
Distance:

Note: 802.11g



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2390.000       | 66.63               | -7.53          | 59.10              | 74.00             | -14.90         | peak     |                |                  |        |
| 2   | 2390.000       | 52.33               | -7.53          | 44.80              | 54.00             | -9.20          | AVG      |                |                  |        |


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Site: 2# Chamber

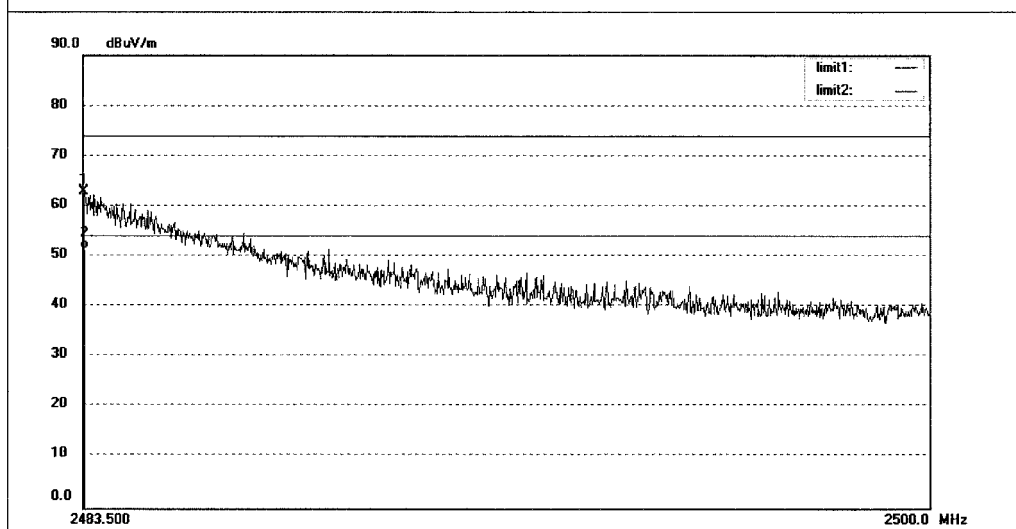
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1809  
Standard: FCC (Band Edge)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: MID  
Mode: TX 2462MHz  
Model: NS-15AT07  
Manufacturer: Yifang

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 14/05/20/  
Time:  
Engineer Signature: PEI  
Distance:

Note: 802.11g



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2483.500       | 70.35               | -7.37          | 62.98              | 74.00             | -11.02         | peak     |                |                  |        |
| 2   | 2483.500       | 58.89               | -7.37          | 51.52              | 54.00             | -2.48          | AVG      |                |                  |        |


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Site: 2# Chamber

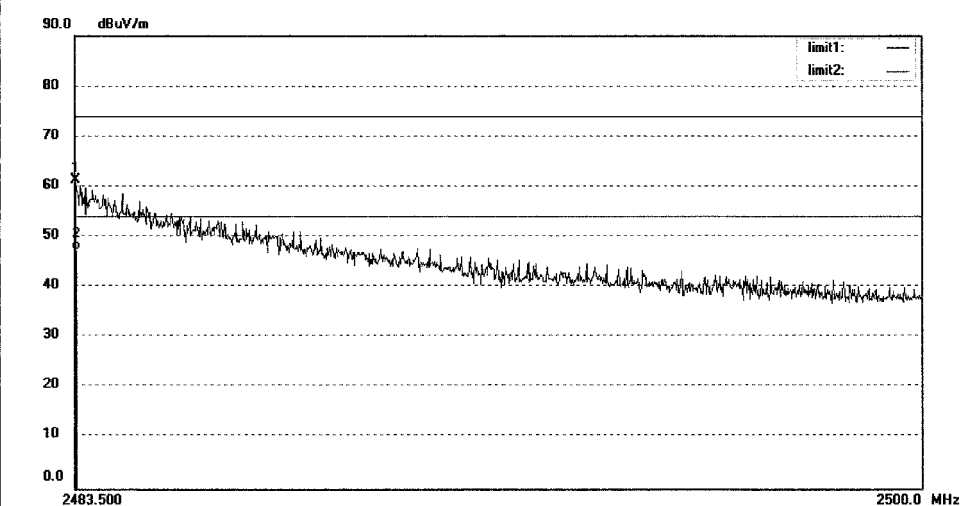
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1808  
Standard: FCC (Band Edge)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: MID  
Mode: TX 2462MHz  
Model: NS-15AT07  
Manufacturer: Yifang

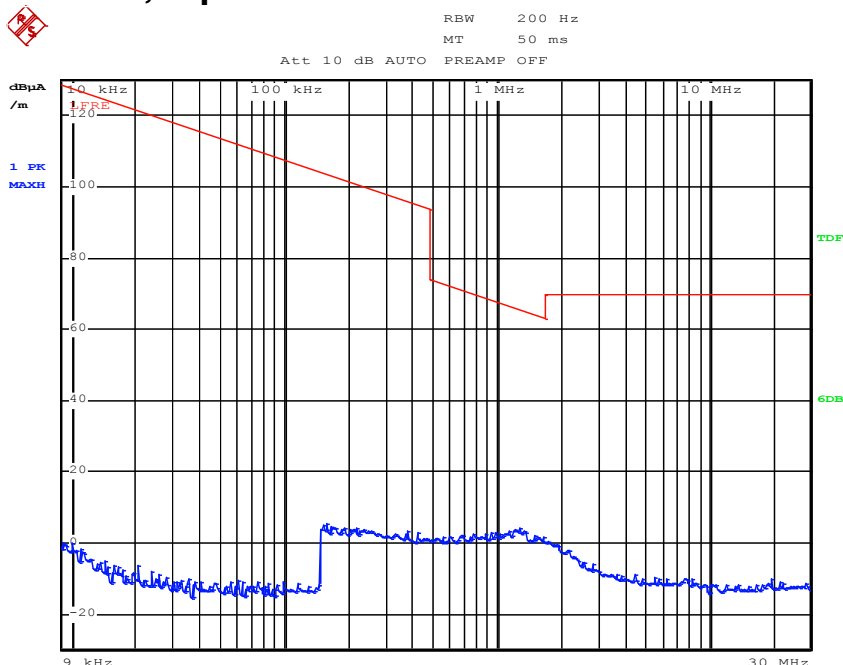
Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 14/05/20/  
Time:  
Engineer Signature: PEI  
Distance:

Note: 802.11g



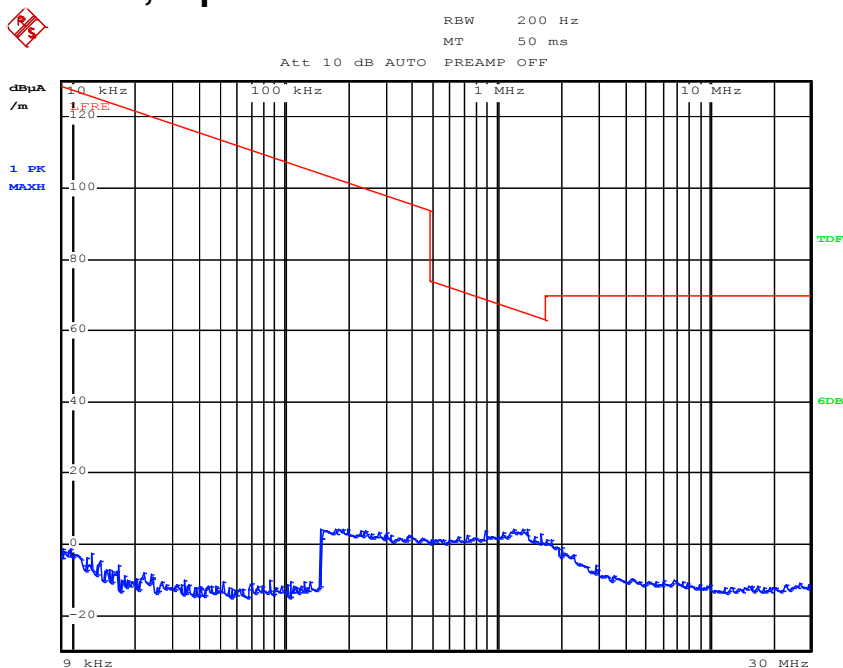
| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2483.500       | 68.64               | -7.37          | 61.27              | 74.00             | -12.73         | peak     |                |                  |        |
| 2   | 2483.500       | 54.77               | -7.37          | 47.40              | 54.00             | -6.60          | AVG      |                |                  |        |

## Test Plot of Spurious Emission of transmitting of 802.11n mode Low channel, X polarization:



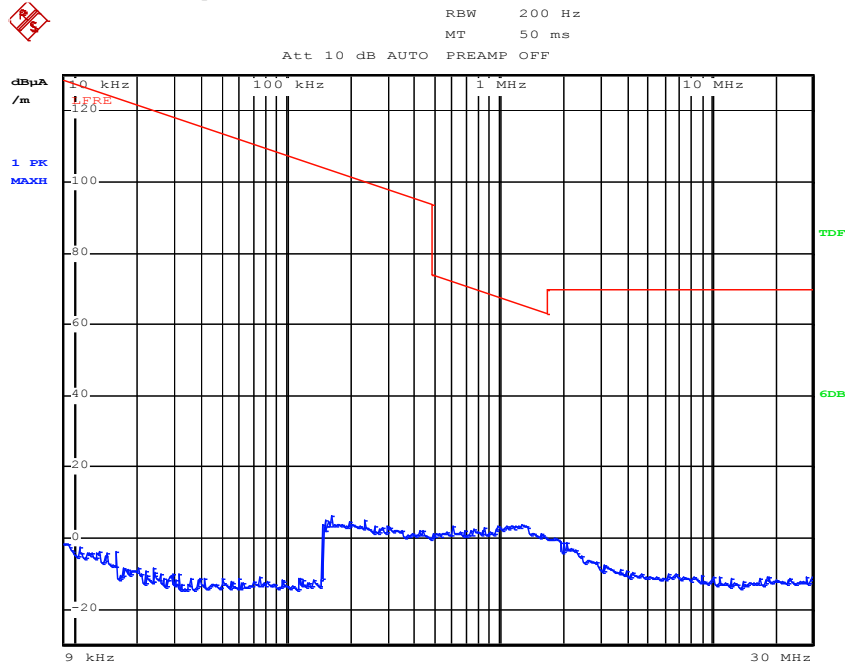
Date: 24.MAY.2014 15:18:28

## Low channel, Y polarization:



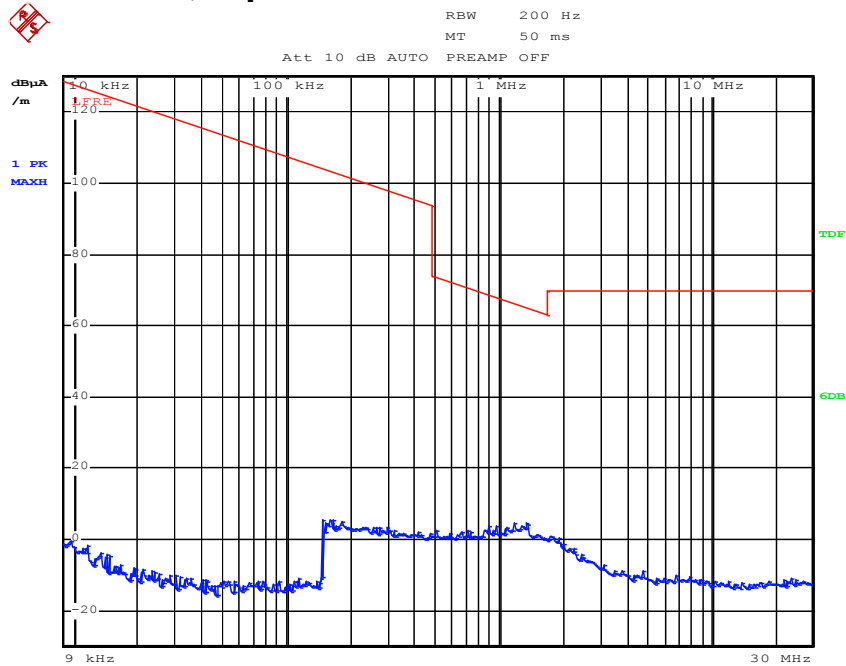
Date: 24.MAY.2014 15:20:24

## Low channel, Z polarization:



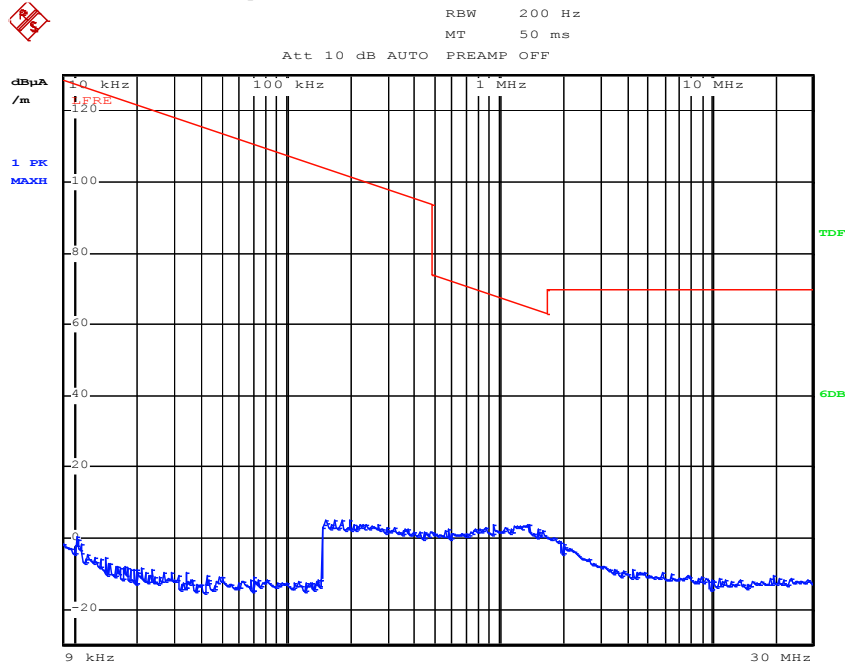
Date: 24.MAY.2014 15:22:22

## Middle channel, X polarization:



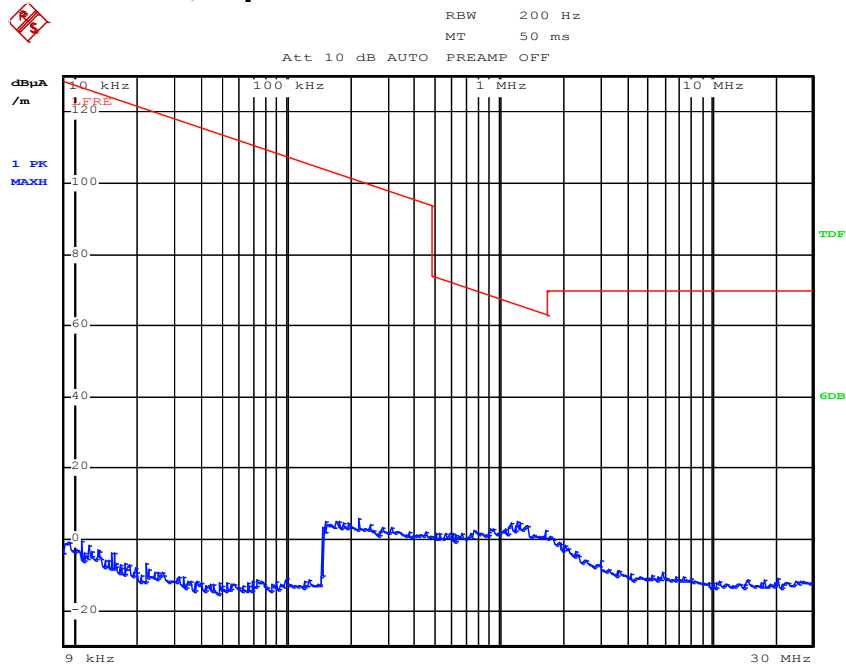
Date: 24.MAY.2014 15:24:21

### Middle channel, Y polarization:



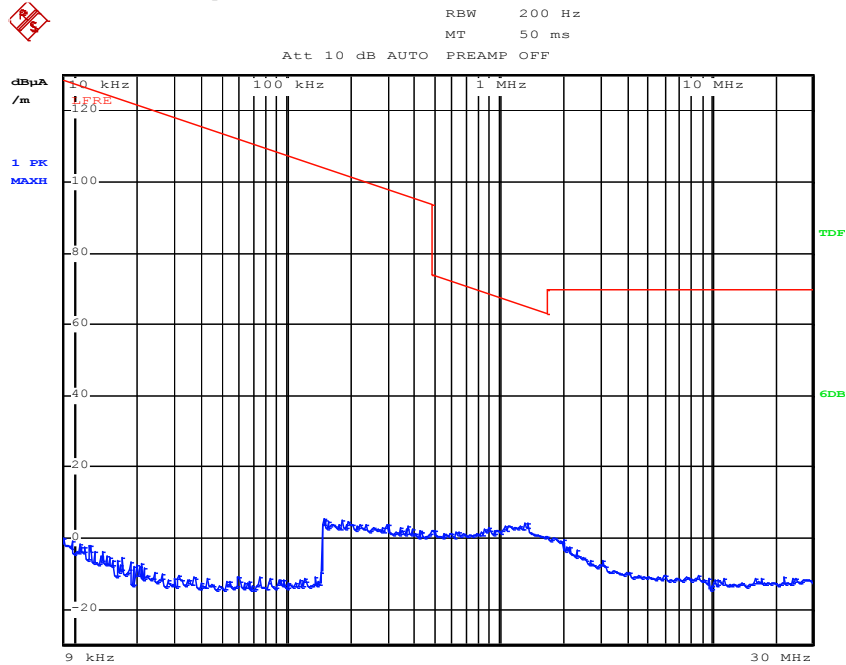
Date: 24.MAY.2014 15:26:20

### Middle channel, Z polarization:



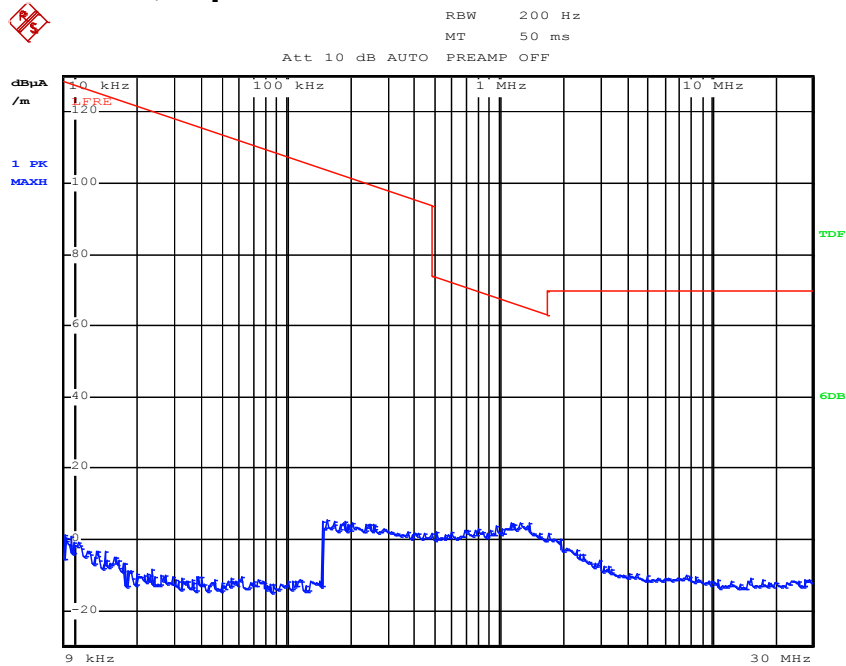
Date: 24.MAY.2014 15:28:27

## High channel, X polarization:



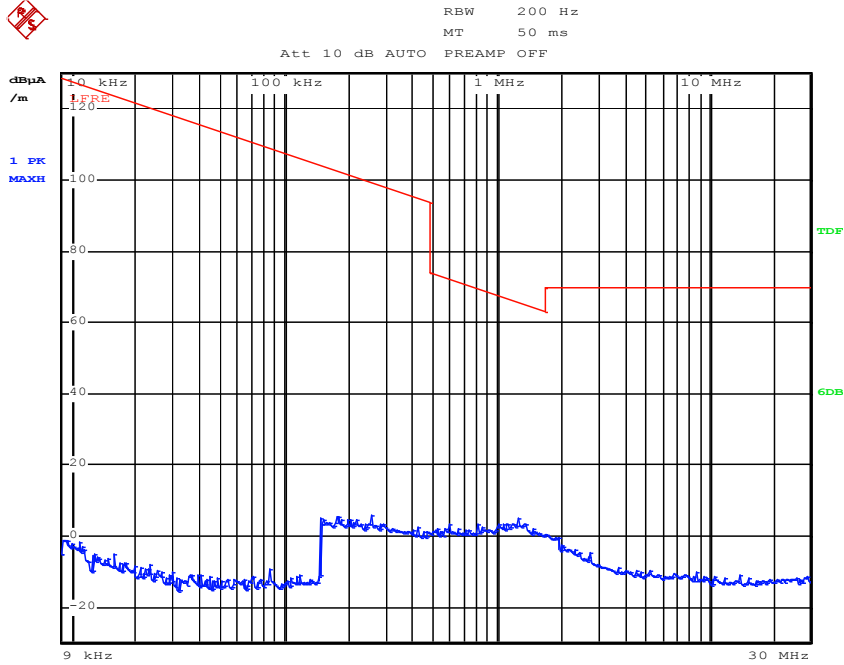
Date: 24.MAY.2014 15:30:24

## High channel, Y polarization:



Date: 24.MAY.2014 15:32:24

## High channel, Z polarization:



Date: 24.MAY.2014 15:34:28


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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1691

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

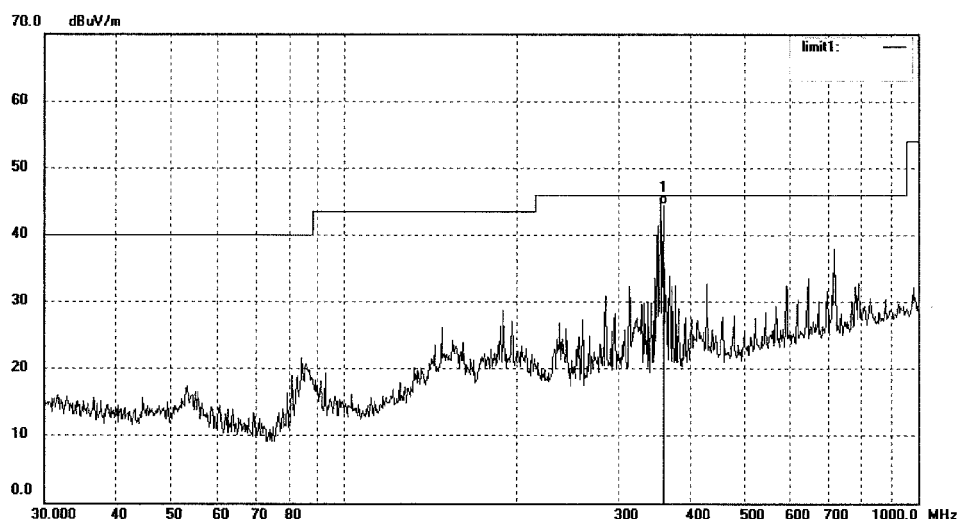
Mode: TX 2412MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11n



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0630       | 52.22               | -7.61          | 44.61              | 46.00             | -1.39          | QP       |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1692

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

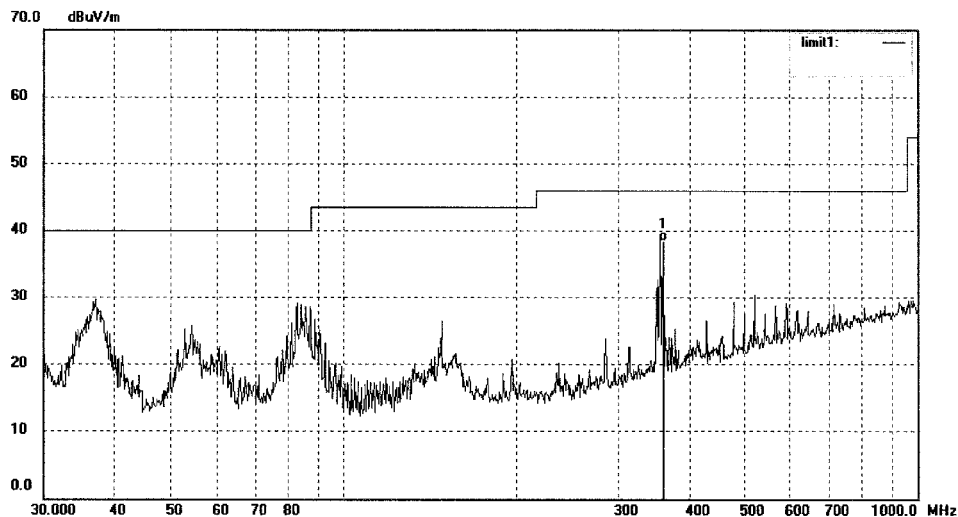
Mode: TX 2412MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11n



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0220       | 46.07               | -7.61          | 38.46              | 46.00             | -7.54          | QP       |                |                  |        |


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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1694

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: TX 2437MHz

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Horizontal

Power Source: AC 120V/60Hz

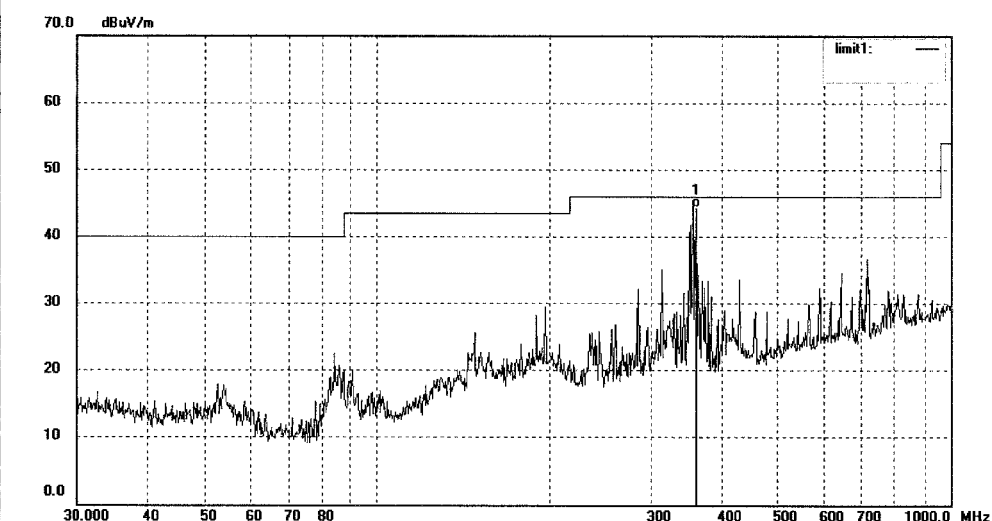
Date: 14/05/18/

Time:

Engineer Signature: PEI

Distance:

Note: 802.11n



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0311       | 52.04               | -7.61          | 44.43              | 46.00             | -1.57          | QP       |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1693

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

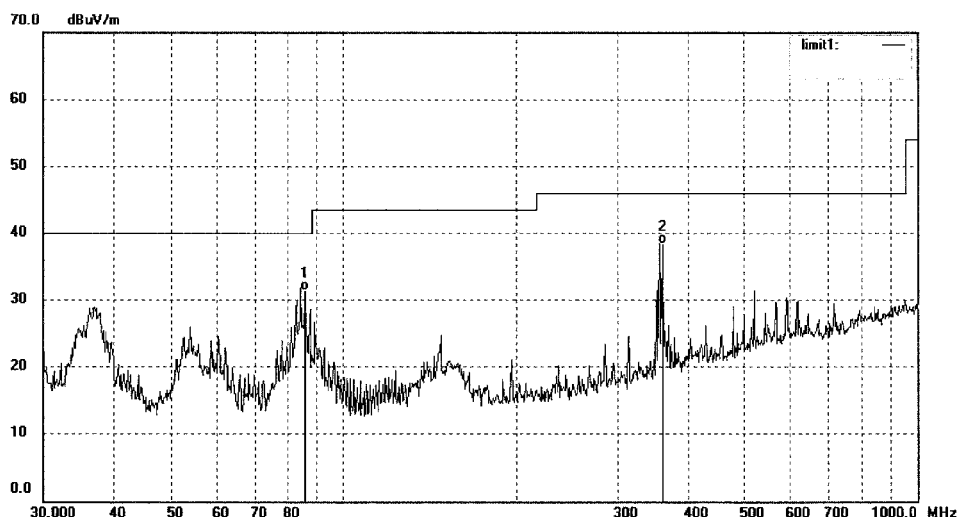
Mode: TX 2437MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11n



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 85.7140     | 46.75            | -15.35      | 31.40           | 40.00          | -8.60       | QP       |             |               |        |
| 2   | 360.0305    | 46.10            | -7.61       | 38.49           | 46.00          | -7.51       | QP       |             |               |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1695

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

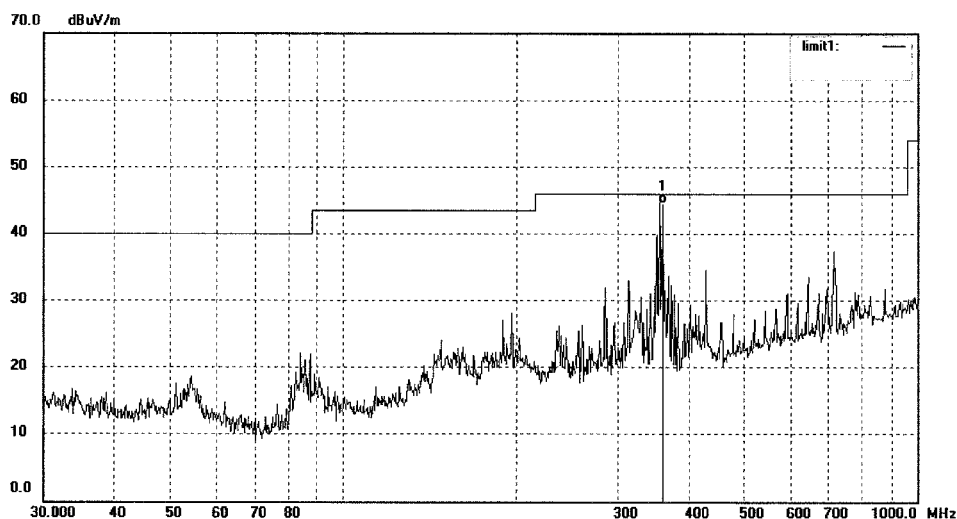
Mode: TX 2462MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11n



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0140       | 52.17               | -7.61          | 44.56              | 46.00             | -1.44          | QP       |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1696

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

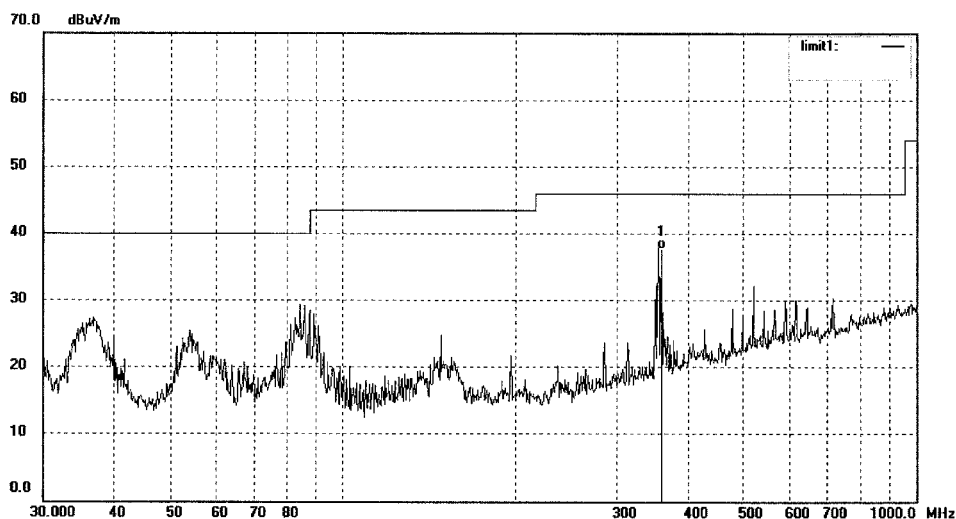
Mode: TX 2462MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11n



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 360.0385       | 45.38               | -7.61          | 37.77              | 46.00             | -8.23          | QP       |                |                  |        |


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Site: 2# Chamber

Tel: +86-0755-26503290  
Fax: +86-0755-26503396

Job No.: PHY #1835

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014-5-23

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

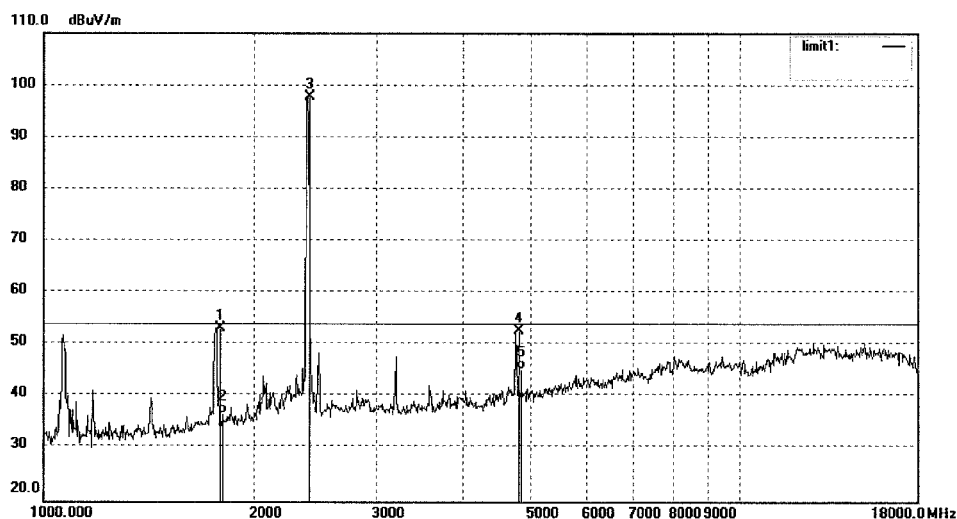
Mode: TX 2412MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11n



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 1800.015    | 63.18            | -10.04      | 53.14           | 74.00          | -20.86      | peak     |             |               |        |
| 2   | 1800.015    | 46.78            | -10.04      | 36.74           | 54.00          | -17.26      | AVG      |             |               |        |
| 3   | 2412.000    | 105.15           | -7.43       | 97.72           | /              | /           | peak     |             |               |        |
| 4   | 4824.356    | 53.02            | -0.19       | 52.83           | 74.00          | -21.17      | peak     |             |               |        |
| 5   | 4824.356    | 45.42            | -0.19       | 45.23           | 54.00          | -8.77       | AVG      |             |               |        |


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Site: 2# Chamber

Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: PHY #1834

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014-5-23

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

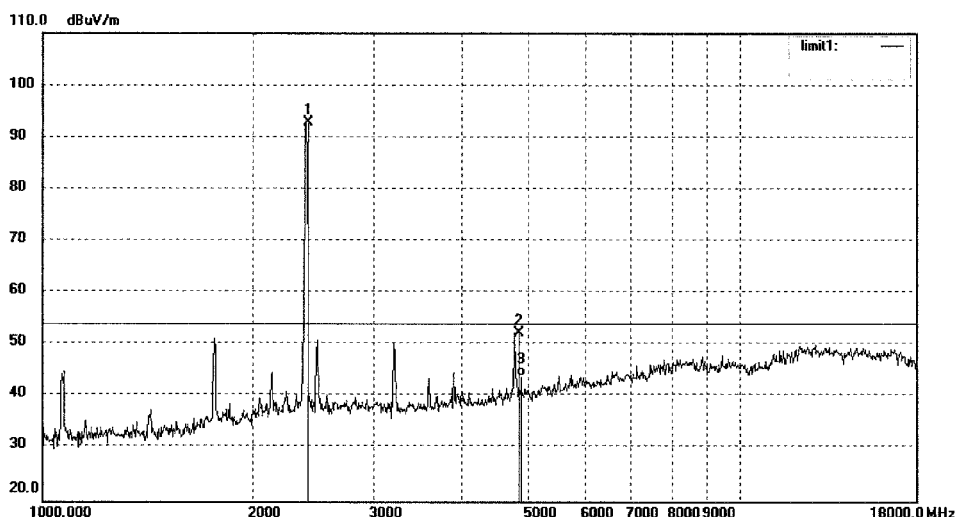
Mode: TX 2412MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11n



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2412.000    | 100.31           | -7.43       | 92.88           | /              | /           | peak     |             |               |        |
| 2   | 4824.281    | 52.50            | -0.19       | 52.31           | 74.00          | -21.69      | peak     |             |               |        |
| 3   | 4824.281    | 44.25            | -0.19       | 44.06           | 54.00          | -9.94       | AVG      |             |               |        |


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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1836

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014-5-23

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

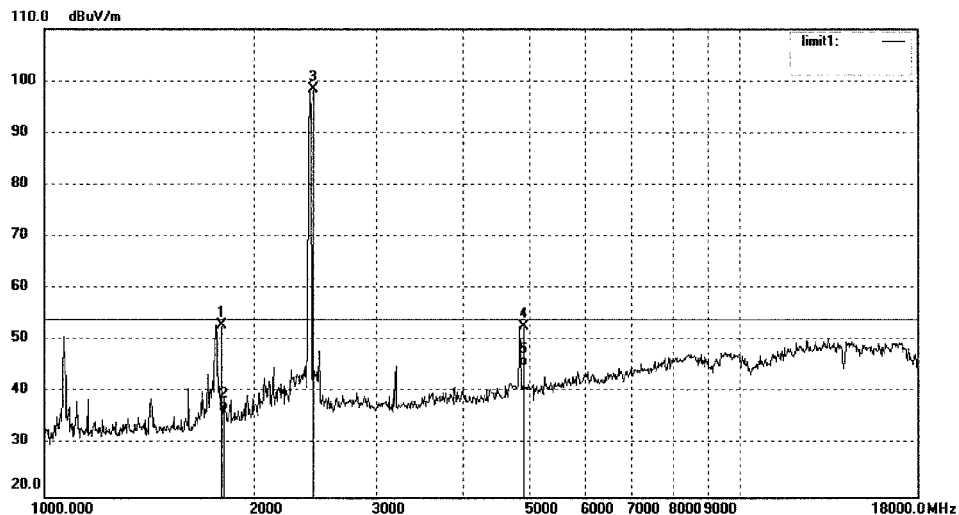
Mode: TX 2437MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11n



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 1800.186    | 63.06            | -10.04      | 53.02           | 74.00          | -20.98      | peak     |             |               |        |
| 2   | 1800.186    | 46.66            | -10.04      | 36.62           | 54.00          | -17.38      | AVG      |             |               |        |
| 3   | 2437.000    | 105.74           | -7.36       | 98.38           | /              | /           | peak     |             |               |        |
| 4   | 4874.015    | 52.60            | 0.09        | 52.69           | 74.00          | -21.31      | peak     |             |               |        |
| 5   | 4874.015    | 44.96            | 0.09        | 45.05           | 54.00          | -8.95       | AVG      |             |               |        |


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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1837

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014-5-23

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

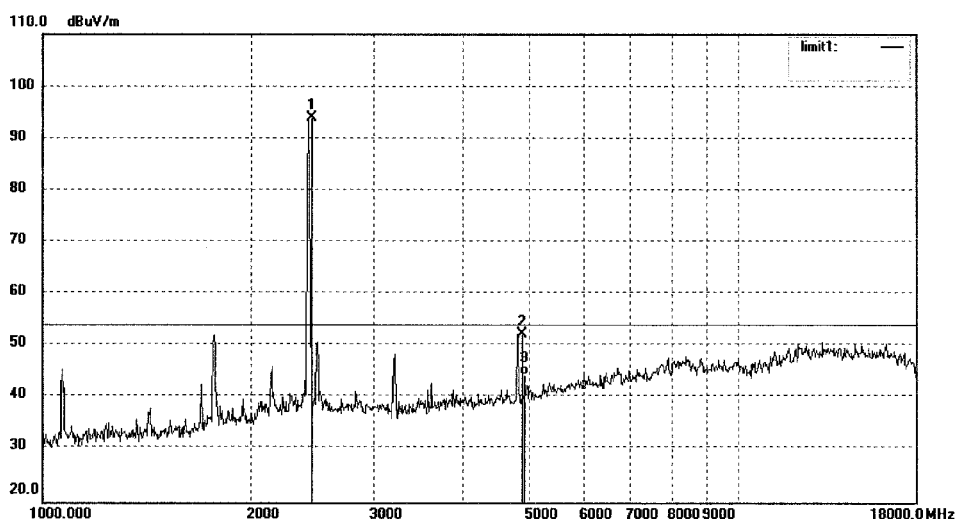
Mode: TX 2437MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11n



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2437.000       | 101.30              | -7.36          | 93.94              | /                 | /              | peak     |                |                  |        |
| 2   | 4874.234       | 52.21               | 0.09           | 52.30              | 74.00             | -21.70         | peak     |                |                  |        |
| 3   | 4874.234       | 44.22               | 0.09           | 44.31              | 54.00             | -9.69          | AVG      |                |                  |        |


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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: PHY #1839

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014-5-23

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

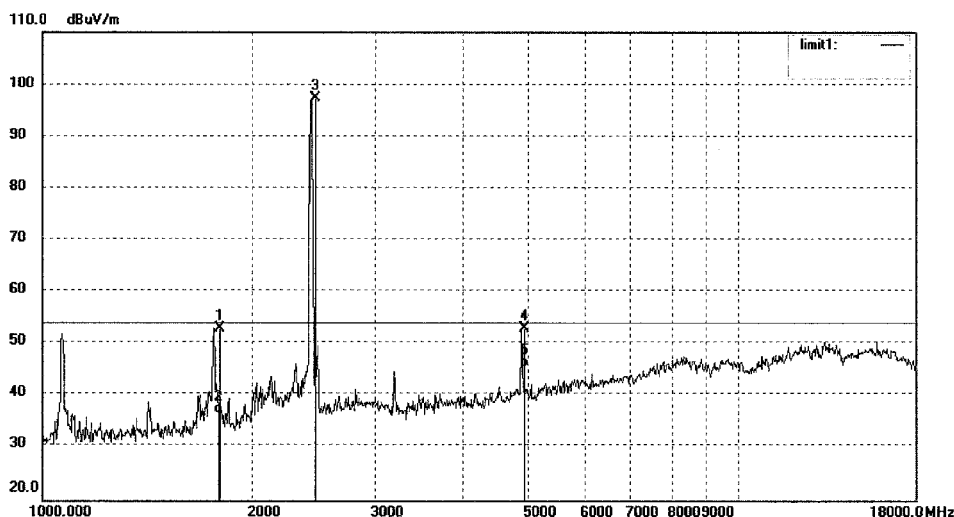
Mode: TX 2462MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11n



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 1799.975       | 63.06               | -10.04         | 53.02              | 74.00             | -20.98         | peak     |                |                  |        |
| 2   | 1799.975       | 46.57               | -10.04         | 36.53              | 54.00             | -17.47         | AVG      |                |                  |        |
| 3   | 2462.000       | 104.69              | -7.35          | 97.34              | /                 | /              | peak     |                |                  |        |
| 4   | 4924.299       | 52.53               | 0.34           | 52.87              | 74.00             | -21.13         | peak     |                |                  |        |
| 5   | 4924.299       | 45.10               | 0.34           | 45.44              | 54.00             | -8.56          | AVG      |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1838

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014-5-23

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

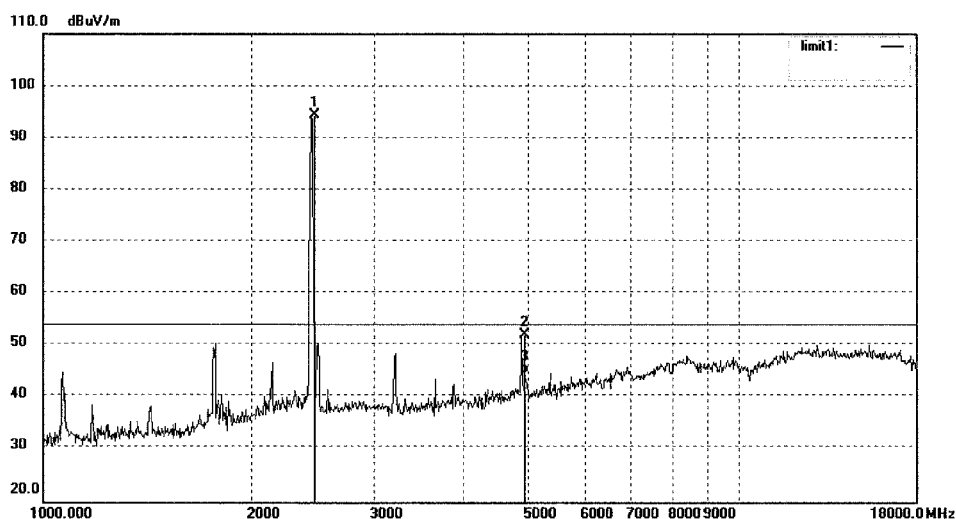
Mode: TX 2462MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11n



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2462.000       | 101.66              | -7.35          | 94.31              | /                 | /              | peak     |                |                  |        |
| 2   | 4924.388       | 51.71               | 0.34           | 52.05              | 74.00             | -21.95         | peak     |                |                  |        |
| 3   | 4924.388       | 44.27               | 0.34           | 44.61              | 54.00             | -9.39          | AVG      |                |                  |        |


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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1779

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

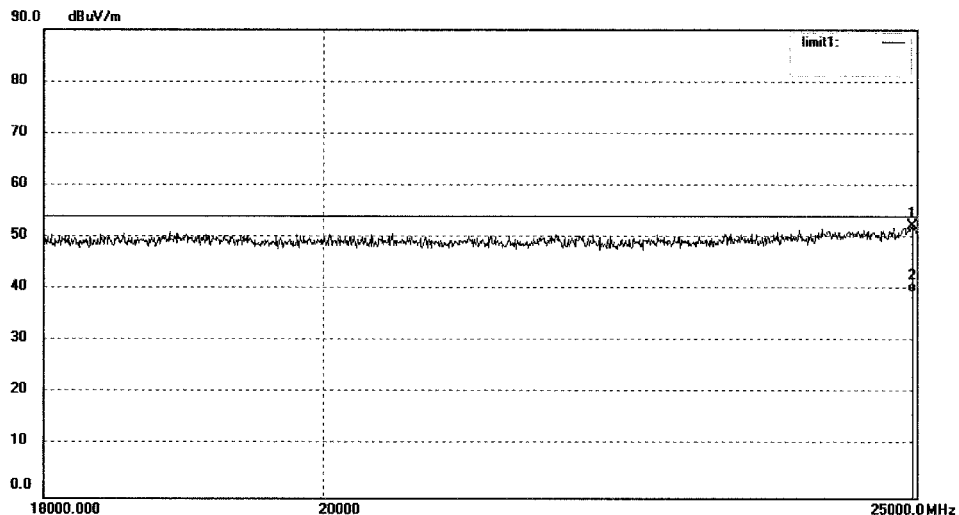
Mode: TX 2412MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11n



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 24958.889   | 33.57            | 18.84       | 52.41           | 74.00          | -21.59      | peak     |             |               |        |
| 2   | 24958.889   | 20.66            | 18.84       | 39.50           | 54.00          | -14.50      | AVG      |             |               |        |


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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1780

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: TX 2412MHz

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Vertical

Power Source: AC 120V/60Hz

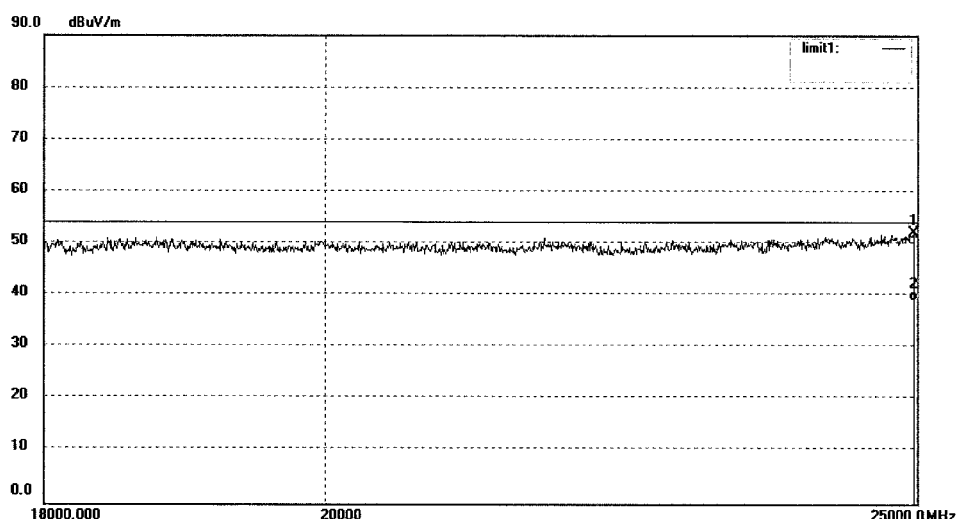
Date: 14/05/18/

Time:

Engineer Signature: PEI

Distance:

Note: 802.11n



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24975.325      | 33.17               | 18.87          | 52.04              | 74.00             | -21.96         | peak     |                |                  |        |
| 2   | 24975.325      | 20.28               | 18.87          | 39.15              | 54.00             | -14.85         | AVG      |                |                  |        |


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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1782

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

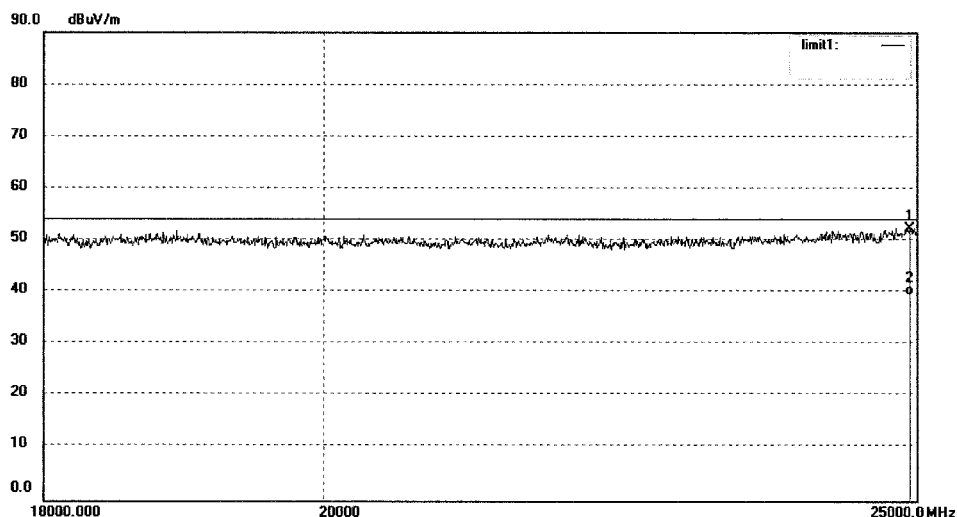
Mode: TX 2437MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11n



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24942.463      | 33.44               | 18.82          | 52.26              | 74.00             | -21.74         | peak     |                |                  |        |
| 2   | 24942.463      | 20.64               | 18.82          | 39.46              | 54.00             | -14.54         | AVG      |                |                  |        |


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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1781

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: TX 2437MHz

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Vertical

Power Source: AC 120V/60Hz

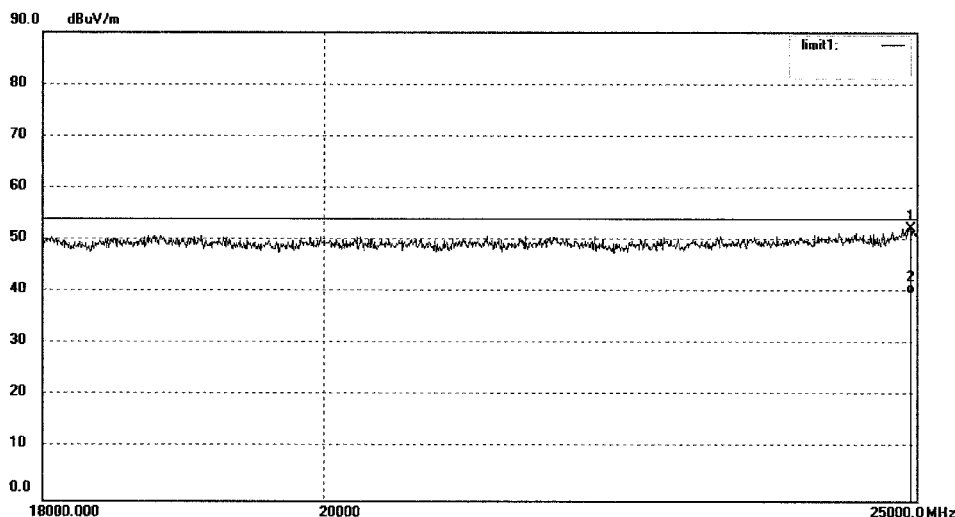
Date: 14/05/18/

Time:

Engineer Signature: PEI

Distance:

Note: 802.11n



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24950.674      | 33.52               | 18.83          | 52.35              | 74.00             | -21.65         | peak     |                |                  |        |
| 2   | 24950.674      | 20.85               | 18.83          | 39.68              | 54.00             | -14.32         | AVG      |                |                  |        |


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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1783

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/18/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

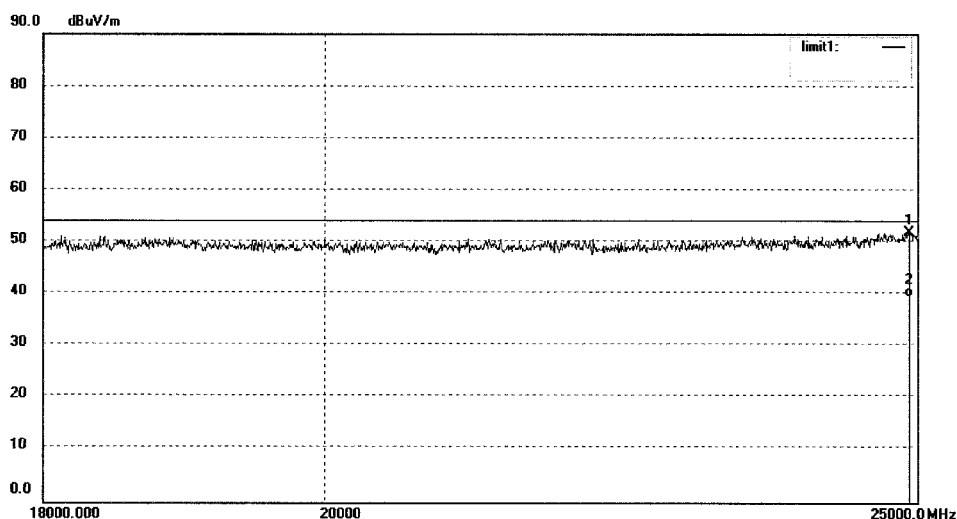
Mode: TX 2462MHz

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: 802.11n



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24934.254      | 32.97               | 18.81          | 51.78              | 74.00             | -22.22         | peak     |                |                  |        |
| 2   | 24934.254      | 20.59               | 18.81          | 39.40              | 54.00             | -14.60         | QP       |                |                  |        |


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1784

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: TX 2462MHz

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Vertical

Power Source: AC 120V/60Hz

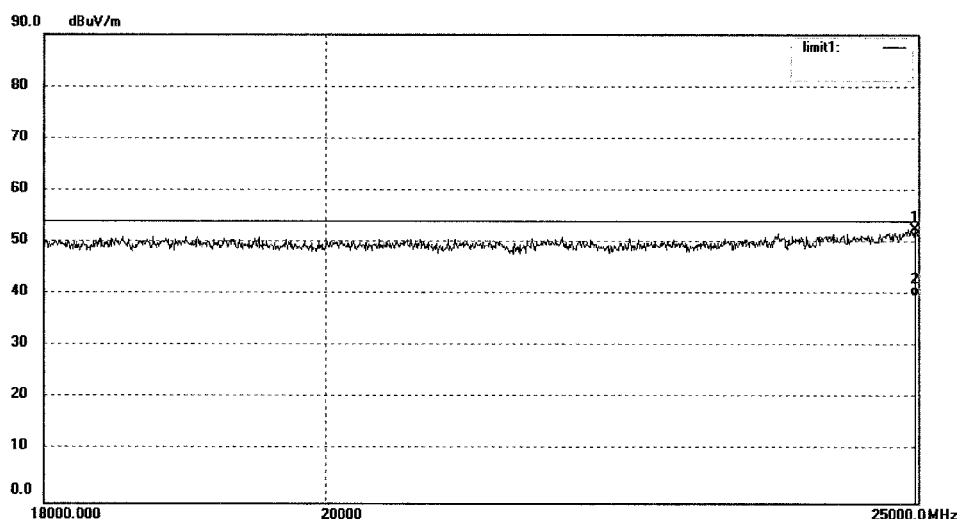
Date: 14/05/18/

Time:

Engineer Signature: PEI

Distance:

Note: 802.11n



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 24975.325      | 33.64               | 18.87          | 52.51              | 74.00             | -21.49         | peak     |                |                  |        |
| 2   | 24975.325      | 20.76               | 18.87          | 39.63              | 54.00             | -14.37         | AVG      |                |                  |        |

## Test Plot of Frequency Band Edge of 802.11n mode


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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

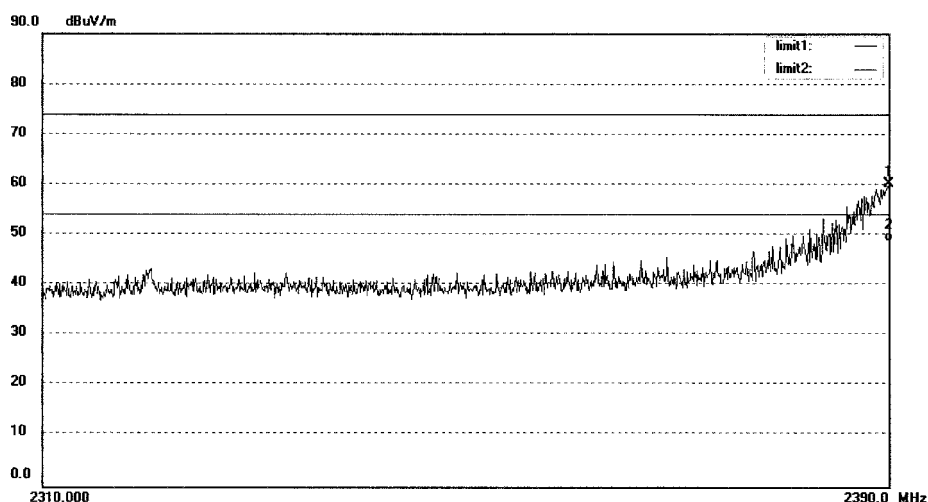
Site: 2# Chamber

Tel: +86-0755-26503290  
Fax: +86-0755-26503396

Job No.: PHY #1816  
Standard: FCC (Band Edge)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: MID  
Mode: TX 2412MHz  
Model: NS-15AT07  
Manufacturer: Yifang

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 14/05/20/  
Time:  
Engineer Signature: PEI  
Distance:

Note: 802.11n



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2390.000       | 67.63               | -7.53          | 60.10              | 74.00             | -13.90         | peak     |                |                  |        |
| 2   | 2390.000       | 56.33               | -7.53          | 48.80              | 54.00             | -5.20          | AVG      |                |                  |        |


**ACCURATE TECHNOLOGY CO., LTD.**

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

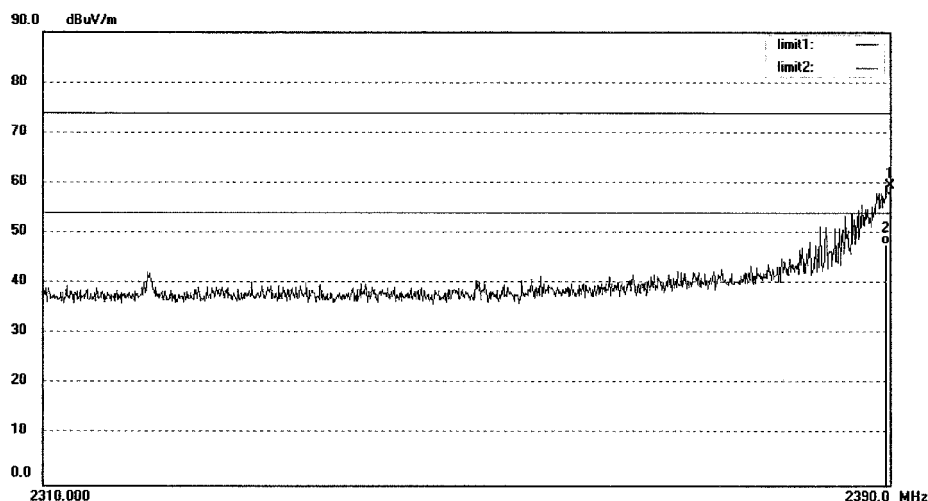
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1815  
Standard: FCC (Band Edge)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: MID  
Mode: TX 2412MHz  
Model: NS-15AT07  
Manufacturer: Yifang

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 14/05/20/  
Time:  
Engineer Signature: PEI  
Distance:

Note: 802.11n



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2390.000       | 67.01               | -7.53          | 59.48              | 74.00             | -14.52         | peak     |                |                  |        |
| 2   | 2390.000       | 55.43               | -7.53          | 47.90              | 54.00             | -6.10          | AVG      |                |                  |        |


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Site: 2# Chamber

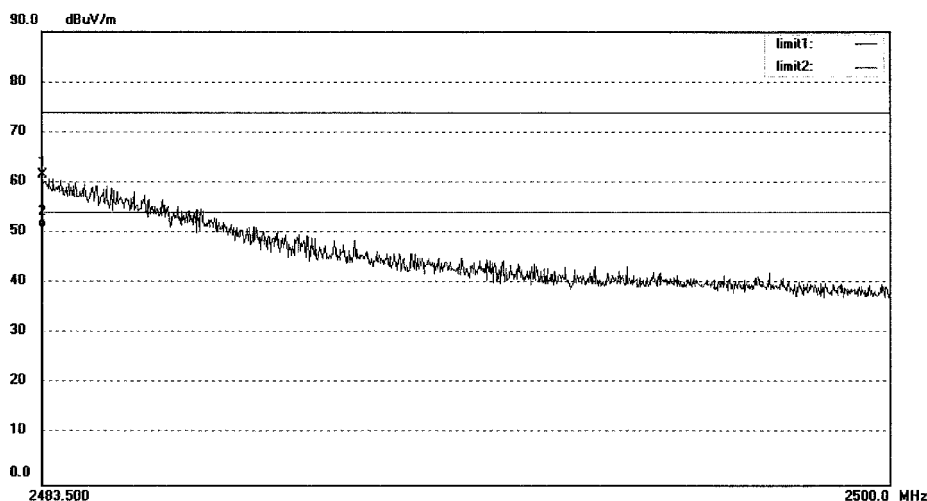
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1817  
Standard: FCC (Band Edge)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: MID  
Mode: TX 2462MHz  
Model: NS-15AT07  
Manufacturer: Yifang

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 14/05/20/  
Time:  
Engineer Signature: PEI  
Distance:

Note: 802.11n



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2483.500       | 68.83               | -7.37          | 61.46              | 74.00             | -12.54         | peak     |                |                  |        |
| 2   | 2483.500       | 58.35               | -7.37          | 50.98              | 54.00             | -3.02          | AVG      |                |                  |        |


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Site: 2# Chamber

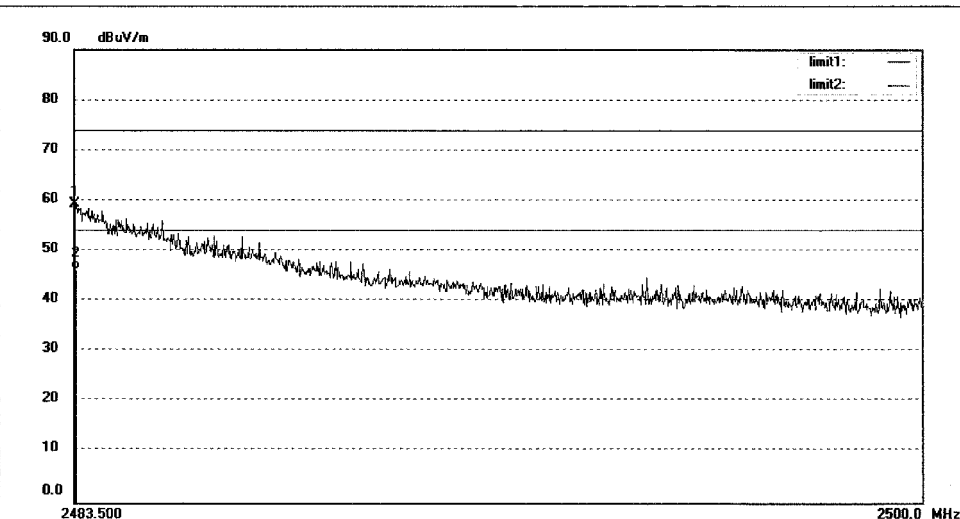
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1818  
Standard: FCC (Band Edge)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: MID  
Mode: TX 2462MHz  
Model: NS-15AT07  
Manufacturer: Yifang

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 14/05/20/  
Time:  
Engineer Signature: PEI  
Distance:

Note: 802.11n



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2483.500       | 66.56               | -7.37          | 59.19              | 74.00             | -14.81         | peak     |                |                  |        |
| 2   | 2483.500       | 53.56               | -7.37          | 46.19              | 54.00             | -7.81          | AVG      |                |                  |        |

### 5.1.8 Frequency Separation

**RESULT:**

## Pass

|                   |   |                                                                  |
|-------------------|---|------------------------------------------------------------------|
| Date of testing   | : | 2014-05-17                                                       |
| Test standard     | : | FCC part 15.247(a)(1)<br>RSS-210 A8.1(b)                         |
| Basic standard    | : | ANSI C63.4: 2003                                                 |
| Limit             | : | ≥ 25kHz or two-thirds of 20dB bandwidth,<br>whichever is greater |
| Kind of test site | : | Shield room                                                      |

## Test setup

|                      |   |                   |
|----------------------|---|-------------------|
| Test Channel         | : | Low/ Middle/ High |
| Operation Mode       | : | A.1.a             |
| Ambient temperature  | : | 25°C              |
| Relative humidity    | : | 52%               |
| Atmospheric pressure | : | 101kPa            |

### Table 22: Test result of Frequency Separation

| Channel           | Channel Frequency (MHz) | Measured Channel Separation (MHz) | Limit (kHz)                             | Result |
|-------------------|-------------------------|-----------------------------------|-----------------------------------------|--------|
| Low Channel       | 2402                    | 1.002                             | ≥ 25kHz or two-thirds of 20dB bandwidth | Pass   |
| Adjacency Channel | 2403                    |                                   |                                         |        |
| Mid Channel       | 2441                    | 1.002                             | ≥ 25kHz or two-thirds of 20dB bandwidth | Pass   |
| Adjacency Channel | 2442                    |                                   |                                         |        |
| High Channel      | 2479                    | 1.002                             | ≥ 25kHz or two-thirds of 20dB bandwidth | Pass   |
| Adjacency Channel | 2480                    |                                   |                                         |        |

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Test Report No.

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**5.1.9 Number of hopping frequency****RESULT:****Pass**

Date of testing : 2014-05-17  
Test standard : FCC part 15.247(a)(1)(iii)  
RSS-210 A8.1(d)  
Basic standard : ANSI C63.4: 2003  
Limits :  $\geq 15$  non-overlapping channels  
Kind of test site : Shield room

**Test setup**

Test Channel : Low/ Middle/ High  
Operation Mode : A.1.a  
Ambient temperature : 25°C  
Relative humidity : 52%  
Atmospheric pressure : 101kPa

**Table 23: Test result of Number of hopping frequency**

| Frequency Range | Measured Quantity of Hopping Channel | Limit     | Result |
|-----------------|--------------------------------------|-----------|--------|
| 2402 to 2480MHz | 79                                   | $\geq 15$ | Pass   |

| Mode | Packet Type | Channel Frequency (MHz) | Packet Duration [ms] | Number of Hops per Channel | Dwell Time (ms) | Limit [ms] |
|------|-------------|-------------------------|----------------------|----------------------------|-----------------|------------|
| BDR  | DH1         | 2402                    | 0.47                 | 253                        | 118.91          | 400        |
|      |             | 2441                    | 0.47                 | 253                        | 118.91          | 400        |
|      |             | 2480                    | 0.47                 | 260                        | 122.20          | 400        |
|      | DH3         | 2402                    | 1.74                 | 139                        | 241.86          | 400        |
|      |             | 2441                    | 1.74                 | 154                        | 267.96          | 400        |
|      |             | 2480                    | 1.74                 | 144                        | 244.80          | 400        |
|      | DH5         | 2402                    | 3.01                 | 114                        | 342.00          | 400        |
|      |             | 2441                    | 3.01                 | 93                         | 279.93          | 400        |
|      |             | 2480                    | 3.01                 | 92                         | 276.92          | 400        |
| EDR  | DH1         | 2402                    | 0.47                 | 248                        | 116.56          | 400        |
|      |             | 2441                    | 0.47                 | 257                        | 120.79          | 400        |
|      |             | 2480                    | 0.47                 | 250                        | 117.50          | 400        |
|      | DH3         | 2402                    | 1.74                 | 143                        | 248.82          | 400        |
|      |             | 2441                    | 1.74                 | 151                        | 262.74          | 400        |
|      |             | 2480                    | 1.74                 | 141                        | 245.34          | 400        |
|      | DH5         | 2402                    | 3.01                 | 112                        | 337.12          | 400        |
|      |             | 2441                    | 3.01                 | 96                         | 288.96          | 400        |
|      |             | 2480                    | 3.01                 | 92                         | 276.92          | 400        |

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Test Report No.

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**5.1.11 Conducted emissions****RESULT:****Pass**

|                   |   |                                       |
|-------------------|---|---------------------------------------|
| Date of testing   | : | 2014-05-24                            |
| Test standard     | : | FCC Part 15.207<br>RSS-210 Clause 2.6 |
| Basic standard    | : | ANSI C63.4: 2003                      |
| Frequency range   | : | 0.15 – 30MHz                          |
| Limits            | : | FCC Part 15.207<br>Table 4 of RSS-Gen |
| Kind of test site | : | Shield room                           |

**Test setup**

|                      |   |               |
|----------------------|---|---------------|
| Input Voltage        | : | AC 120V, 60Hz |
| Operation Mode       | : | A             |
| Earthing             | : | Not Connected |
| Ambient temperature  | : | 25°C          |
| Relative humidity    | : | 52%           |
| Atmospheric pressure | : | 101kPa        |

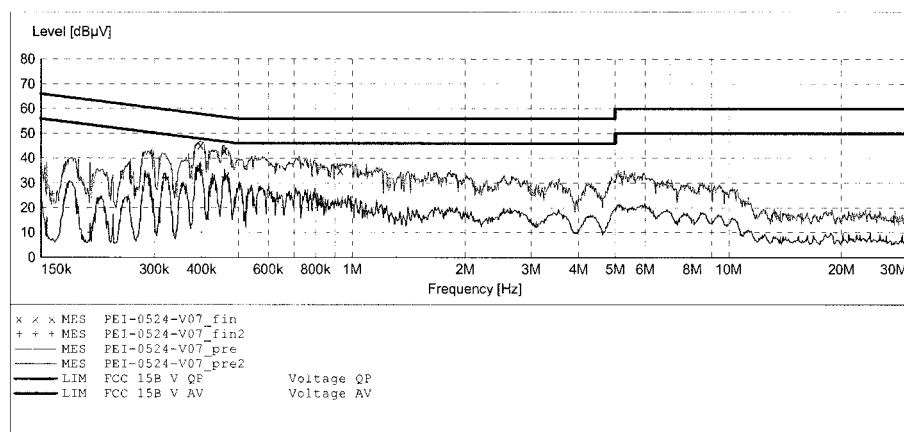
For details refer to following test plot.

**ACCURATE TECHNOLOGY CO.,LTD**
**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: MID M/N:NS-15AT07  
 Manufacturer: Yifang  
 Operating Condition: On with Bluetooth  
 Test Site: 1#Shielding Room  
 Operator: PEI  
 Test Specification: L 120V/60Hz  
 Comment: Mains port  
 Start of Test: 5/24/2014 / 6:16:38PM

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: SUB\_STD VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average


**MEASUREMENT RESULT: "PEI-0524-V07\_fin"**

5/24/2014 6:24PM

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.397299         | 45.30         | 10.7         | 58            | 12.6         | QP       | L1   | GND |
| 0.458702         | 43.00         | 10.7         | 57            | 13.7         | QP       | L1   | GND |
| 0.929818         | 35.20         | 10.8         | 56            | 20.8         | QP       | L1   | GND |

**MEASUREMENT RESULT: "PEI-0524-V07\_fin2"**

5/24/2014 6:24PM

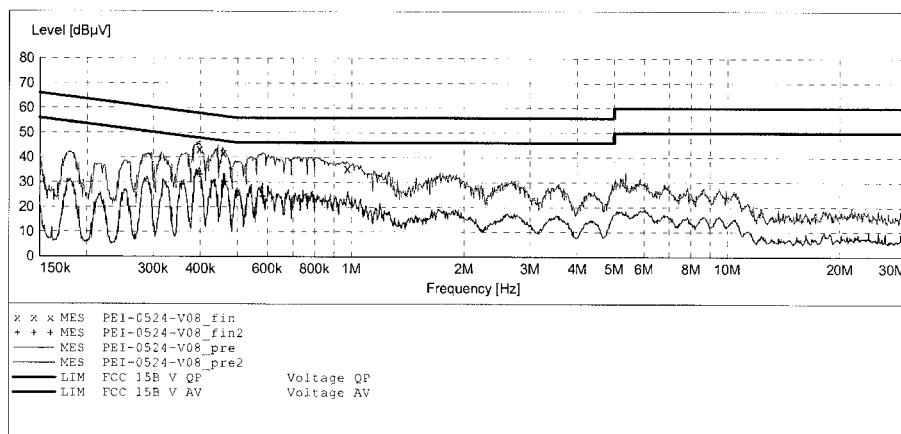
| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.321537         | 32.00         | 10.6         | 50            | 17.7         | AV       | L1   | GND |
| 0.397299         | 35.00         | 10.7         | 48            | 12.9         | AV       | L1   | GND |
| 0.460537         | 32.30         | 10.7         | 47            | 14.4         | AV       | L1   | GND |

**ACCURATE TECHNOLOGY CO.,LTD**
**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: MID M/N:NS-15AT07  
 Manufacturer: Yifang  
 Operating Condition: On with Bluetooth  
 Test Site: 1#Shielding Room  
 Operator: PEI  
 Test Specification: N 120V/60Hz  
 Comment: Mains port  
 Start of Test: 5/24/2014 / 6:25:54PM

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: SUB\_STD\_VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average


**MEASUREMENT RESULT: "PEI-0524-V08\_fin"**

5/24/2014 6:34PM

| Frequency<br>MHz | Level<br>dBµV | Transd<br>dB | Limit<br>dBµV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.397299         | 43.40         | 10.7         | 58            | 14.5         | QP       | N    | GND |
| 0.458702         | 41.80         | 10.7         | 57            | 14.9         | QP       | N    | GND |
| 0.975445         | 35.60         | 10.8         | 56            | 20.4         | QP       | N    | GND |

**MEASUREMENT RESULT: "PEI-0524-V08\_fin2"**

5/24/2014 6:34PM

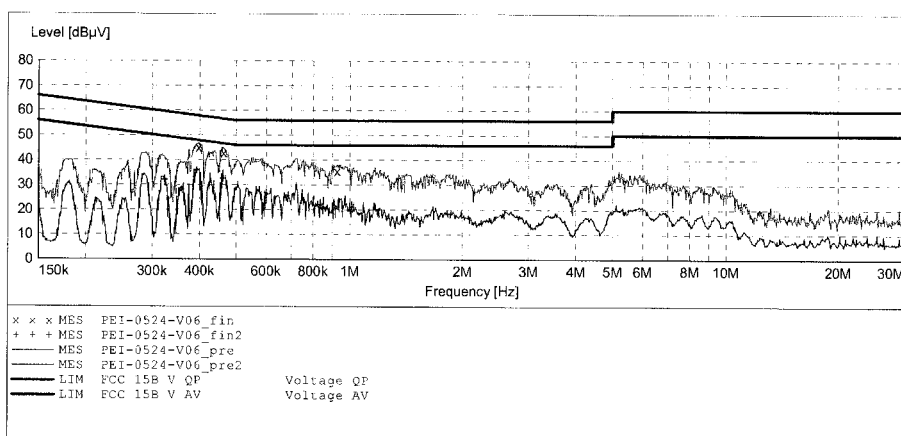
| Frequency<br>MHz | Level<br>dBµV | Transd<br>dB | Limit<br>dBµV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.397299         | 33.10         | 10.7         | 48            | 14.8         | AV       | N    | GND |
| 0.462379         | 30.20         | 10.7         | 47            | 16.4         | AV       | N    | GND |
| 0.582846         | 24.20         | 10.7         | 46            | 21.8         | AV       | N    | GND |

**ACCURATE TECHNOLOGY CO.,LTD**
**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: MID M/N: NS-15AT07  
 Manufacturer: Yifang  
 Operating Condition: On with WiFi  
 Test Site: 1#Shielding Room  
 Operator: PEI  
 Test Specification: L 120V/60Hz  
 Comment: Mains port  
 Start of Test: 5/24/2014 / 6:09:42PM

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB\_STD VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average


**MEASUREMENT RESULT: "PEI-0524-V06\_fin"**

5/24/2014 6:15PM

| Frequency<br>MHz | Level<br>dBµV | Transd<br>dB | Limit<br>dBµV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.397299         | 45.00         | 10.7         | 58            | 12.9         | QP       | L1   | GND |
| 0.462379         | 42.80         | 10.7         | 57            | 13.8         | QP       | L1   | GND |
| 0.926114         | 35.60         | 10.8         | 56            | 20.4         | QP       | L1   | GND |

**MEASUREMENT RESULT: "PEI-0524-V06\_fin2"**

5/24/2014 6:15PM

| Frequency<br>MHz | Level<br>dBµV | Transd<br>dB | Limit<br>dBµV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.322823         | 32.00         | 10.6         | 50            | 17.6         | AV       | L1   | GND |
| 0.392569         | 35.80         | 10.7         | 48            | 12.2         | AV       | L1   | GND |
| 0.460537         | 32.50         | 10.7         | 47            | 14.2         | AV       | L1   | GND |

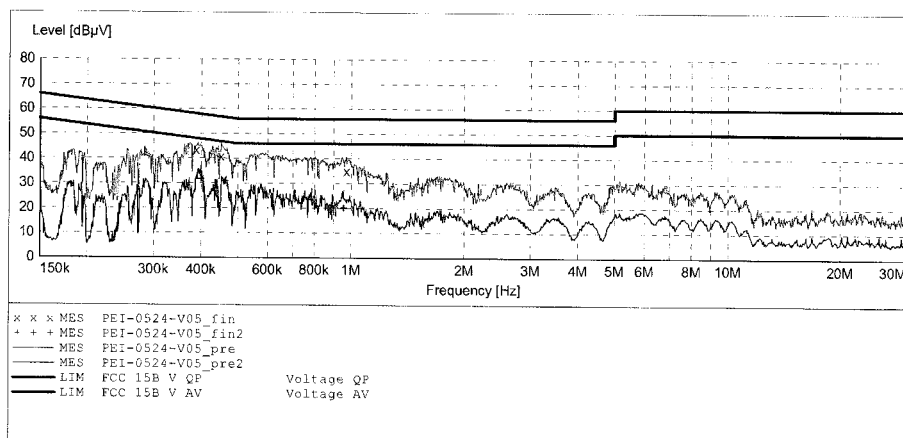
**ACCURATE TECHNOLOGY CO.,LTD**

**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: MID M/N:NS-15AT07  
 Manufacturer: Yifang  
 Operating Condition: On with WiFi  
 Test Site: 1#Shielding Room  
 Operator: PEI  
 Test Specification: N 120V/60Hz  
 Comment: Mains port  
 Start of Test: 5/24/2014 / 6:01:48PM

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average



**MEASUREMENT RESULT: "PEI-0524-V05\_fin"**

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.387896         | 43.40         | 10.7         | 58            | 14.7         | QP       | N    | GND |
| 0.451436         | 40.90         | 10.7         | 57            | 15.9         | QP       | N    | GND |
| 0.971558         | 35.00         | 10.8         | 56            | 21.0         | QP       | N    | GND |

**MEASUREMENT RESULT: "PEI-0524-V05\_fin2"**

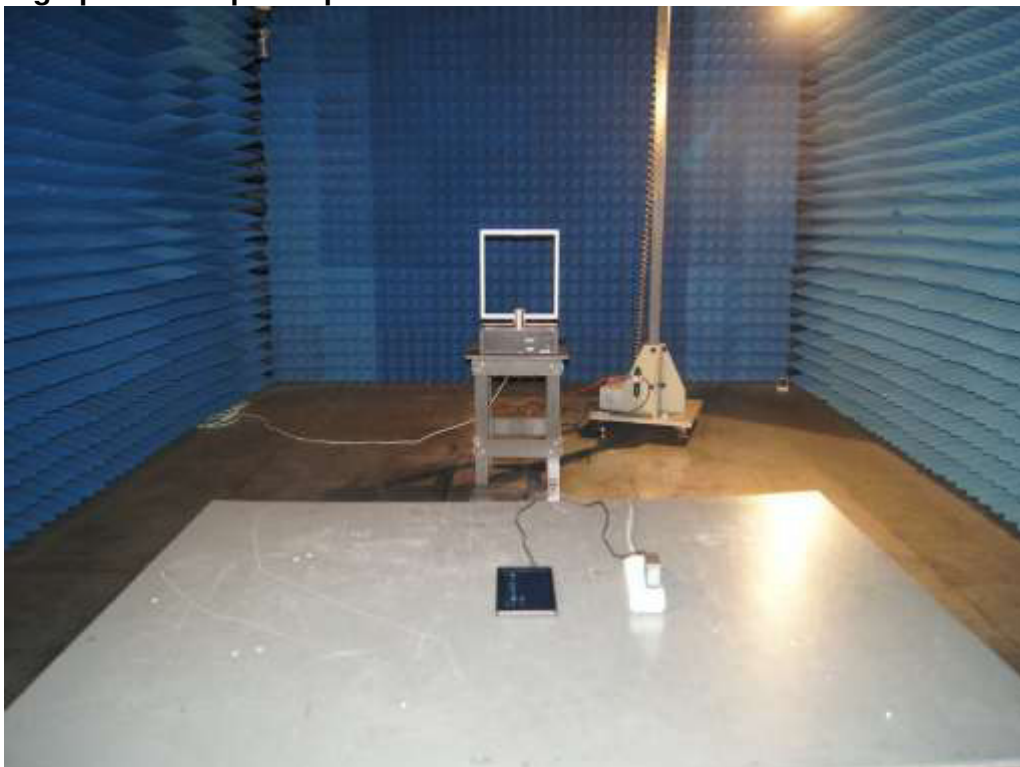
| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.398888         | 31.60         | 10.7         | 48            | 16.3         | AV       | N    | GND |
| 0.462379         | 30.80         | 10.7         | 47            | 15.8         | AV       | N    | GND |
| 0.956168         | 20.10         | 10.8         | 46            | 25.9         | AV       | N    | GND |

## 6. Photographs of the Test Set-Up

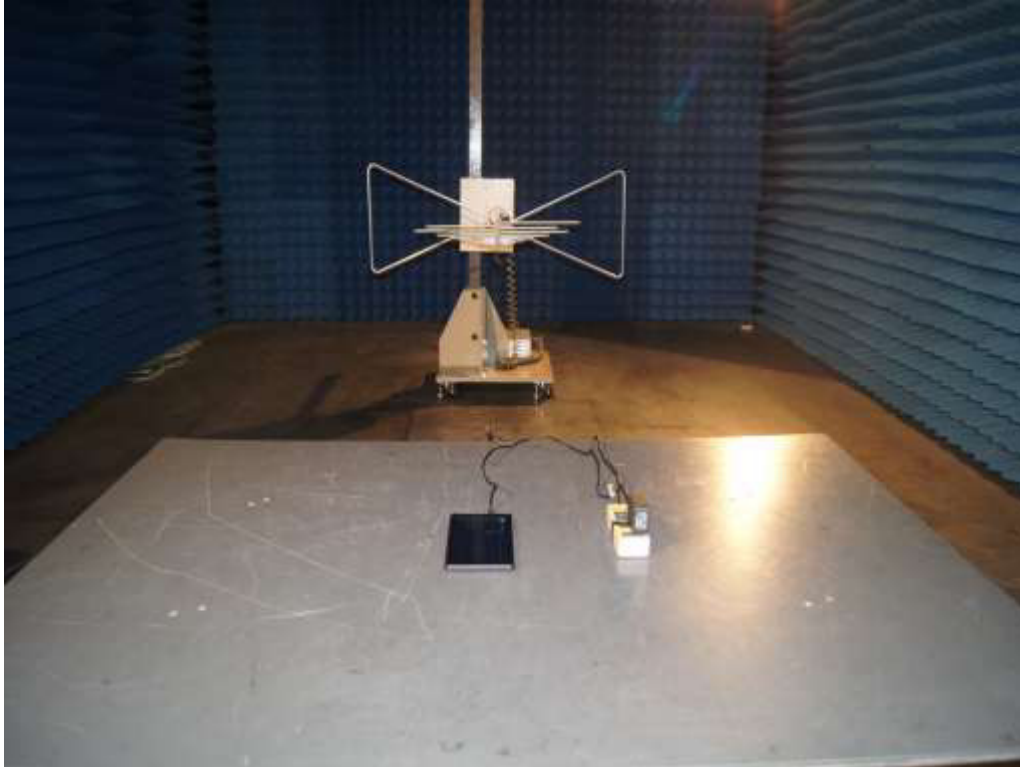
**Photograph 1: Set-up for Conducted Emissions**



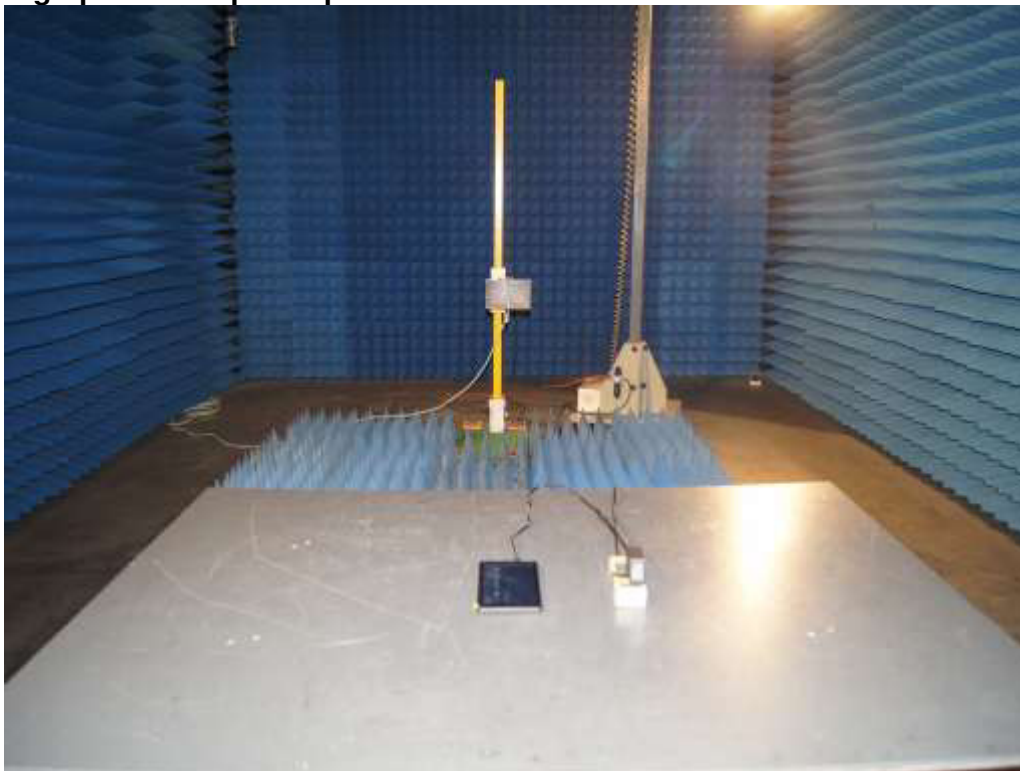
**Photograph 2: Set-up for Spurious Emissions for below 30MHz**



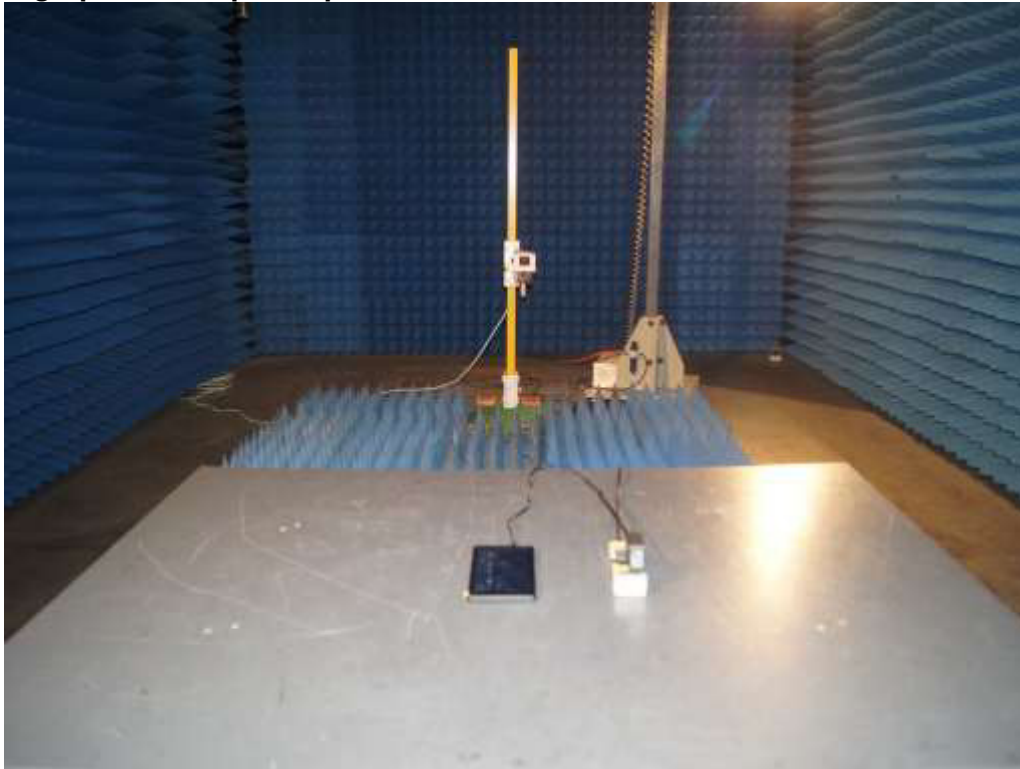
**Photograph 3: Set-up for Spurious Emissions for 30 - 1000MHz**



**Photograph 4: Set-up for Spurious Emissions for 1 - 18GHz**



**Photograph 5: Set-up for Spurious Emissions for 18 - 25GHz**



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