

APPLICATION CERTIFICATION FCC Part 15C  
On Behalf of  
EKEN (HK) Electronics Co., Ltd.

Tablet PC  
Model No.: GT10V, GT10S, GT97V, GT80S

FCC ID: PVVGT10V

Prepared for : EKEN (HK) Electronics Co., Ltd.  
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Date of Report : July 23, 2013

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## Test Report Certification

Applicant : EKEN (HK) Electronics Co., Ltd.  
 Manufacturer : EKEN (HK) Electronics Co., Ltd.  
 EUT Description : Tablet PC  
 (A) MODEL NO.: GT10V, GT10S, GT97V, GT80S  
 (B) SERIAL NO.: N/A  
 (C) POWER SUPPLY: DC 3.7V (Li-polymer battery) & DC 5V (Power by Adapter)

Measurement Procedure Used:

**FCC Rules and Regulations Part 15 Subpart C Section 15.247  
ANSI C63.4: 2009**

The EUT was tested according to DTS test procedure of April 09, 2013 KDB558074 D01 DTS Meas Guidance v03 for compliance to FCC 47CFR 15.247 requirements

The device described above is tested by ACCURATE TECHNOLOGY CO. LTD to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section 15.247 limits. The measurement results are contained in this test report and ACCURATE TECHNOLOGY CO. LTD is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of ACCURATE TECHNOLOGY CO. LTD.

Date of Test : July 17-23, 2013

Prepared by :



(Engineer)

Approved & Authorized Signer :



(Manager)

# 1. GENERAL INFORMATION

## 1.1. Description of Device (EUT)

|                         |   |
|-------------------------|---|
| EUT                     | : Tablet PC   |
| Model Number            | : GT10V, GT10S, GT97V, GT80S<br>(Note: These samples are same except for the model number is difference. So we prepare the GT10V for FCC test.) |
| Frequency Range         | : 802.11b/g/n(20MHz): 2412-2462MHz<br>802.11n(40MHz): 2422-2452MHz  |
| Number of Channels      | : 802.11b/g/n (20MHz):11<br>802.11n (40MHz): 7  |
| Antenna Gain            | : 0dBi  |
| Power Supply            | : DC 3.7V (Li-polymer battery) & DC 5V (Power by adapter)   |
| Adapter                 | : Model number: HND050200U<br>Input: AC 100-240V; 50/60Hz 0.35A<br>Output: DC 5V/2.0A<br>USB line: Non-shielded, Non-detachable, 1.5m           |
| Data Rate               | : 802.11b: 11, 5.5, 2, 1 Mbps<br>802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps<br>802.11n: up to 150Mbps   |
| Applicant               | : EKEN (HK) Electronics Co., Ltd.   |
| Address                 | : Building 2F-2B, HuaFeng Science Park GongHe Road, XiXiang, Baoan District, ShenZhen, China  |
| Manufacturer            | : EKEN (HK) Electronics Co., Ltd.   |
| Address                 | : Building 2F-2B, HuaFeng Science Park GongHe Road, XiXiang, Baoan District, ShenZhen, China  |
| Date of sample received | : July 16, 2013   |
| Date of Test            | : July 17-23, 2013  |

## 1.2. Carrier Frequency of Channels

802.11b, 802.11g, 802.11n (20MHz)

| Channel | Frequency(MHz) | Channel | Frequency(MHz) |
|---------|----------------|---------|----------------|
| 01      | 2412           | 07      | 2442           |
| 02      | 2417           | 08      | 2447           |
| 03      | 2422           | 09      | 2452           |
| 04      | 2427           | 10      | 2457           |
| 05      | 2432           | 11      | 2462           |
| 06      | 2437           | ---     | ---            |

## 802.11n (40MHz)

| Channel | Frequency(MHz) | Channel | Frequency(MHz) |
|---------|----------------|---------|----------------|
| ---     | ---            | 07      | 2442           |
| ---     | ---            | 08      | 2447           |
| 03      | 2422           | 09      | 2452           |
| 04      | 2427           | ---     | ---            |
| 05      | 2432           | ---     | ---            |
| 06      | 2437           | ---     | ---            |

### 1.3. Special Accessory and Auxiliary Equipment

n.a.

## 1.4. Description of Test Facility

EMC Lab

• Accredited by TUV Rheinland Shenzhen

Listed by FCC

The Registration Number is 752051

Listed by Industry Canada

The Registration Number is 5077A-2

Accredited by China National Accreditation Committee  
for Laboratories

The Certificate Registration Number is L3193

Name of Firm

： ACCURATE TECHNOLOGY CO. LTD

## Site Location

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

### 1.5.Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

Radiated emission expanded uncertainty = 3.08dB, k=2  
(9kHz-30MHz)

Radiated emission expanded uncertainty = 4.42dB, k=2  
(30MHz-1000MHz)

Radiated emission expanded uncertainty = 4.06dB, k=2  
(Above 1GHz)

## 2. MEASURING DEVICE AND TEST EQUIPMENT

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

| Kind of equipment  | Manufacturer           | Type                              | S/N        | Calibrated dates | Calibrated until |
|--------------------|------------------------|-----------------------------------|------------|------------------|------------------|
| EMI Test Receiver  | Rohde&Schwarz          | ESCS30                            | 100307     | Jan. 12, 2013    | Jan. 11, 2014    |
| EMI Test Receiver  | Rohde&Schwarz          | ESPI3                             | 101526/003 | Jan. 12, 2013    | Jan. 11, 2014    |
| Spectrum Analyzer  | Agilent                | E7405A                            | MY45115511 | Jan. 12, 2013    | Jan. 11, 2014    |
| Pre-Amplifier      | Rohde&Schwarz          | CBLU118354 0-01                   | 3791       | Jan. 12, 2013    | Jan. 11, 2014    |
| Loop Antenna       | Schwarzbeck            | FMZB1516                          | 1516131    | Jan. 12, 2013    | Jan. 11, 2014    |
| Bilog Antenna      | Schwarzbeck            | VULB9163                          | 9163-323   | Jan. 12, 2013    | Jan. 11, 2014    |
| Horn Antenna       | Schwarzbeck            | BBHA9120D                         | 9120D-655  | Jan. 12, 2013    | Jan. 11, 2014    |
| Horn Antenna       | Schwarzbeck            | BBHA9170                          | 9170-359   | Jan. 12, 2013    | Jan. 11, 2014    |
| LISN               | Rohde&Schwarz          | ESH3-Z5                           | 100305     | Jan. 12, 2013    | Jan. 11, 2014    |
| LISN               | Schwarzbeck            | NSLK8126                          | 8126431    | Jan. 12, 2013    | Jan. 11, 2014    |
| Highpass Filter    | Wainwright Instruments | WHKX3.6/18 G-10SS                 | N/A        | Jan. 12, 2013    | Jan. 11, 2014    |
| Band Reject Filter | Wainwright Instruments | WRCG2400/2 485-2375/2510 -60/11SS | N/A        | Jan. 12, 2013    | Jan. 11, 2014    |

### 3. OPERATION OF EUT DURING TESTING

#### 3.1. Operating Mode

The mode is used: **1.802.11b Transmitting mode**

Low Channel: 2412MHz

Middle Channel: 2437MHz

High Channel: 2462MHz

**2.802.11g Transmitting mode**

Low Channel: 2412MHz

Middle Channel: 2437MHz

High Channel: 2462MHz

**3.802.11n (20MHz) Transmitting mode**

Low Channel: 2412MHz

Middle Channel: 2437MHz

High Channel: 2462MHz

**4.802.11n (40MHz) Transmitting mode**

Low Channel: 2422MHz

Middle Channel: 2437MHz

High Channel: 2452MHz

**5. Charging**

### 3.2.Configuration and peripherals

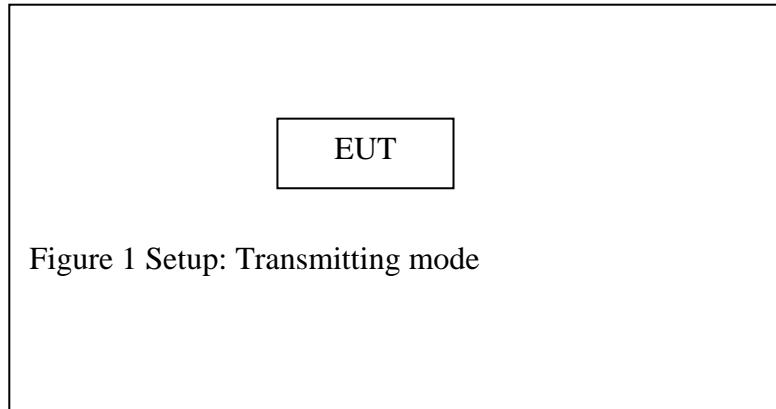


Figure 1 Setup: Transmitting mode

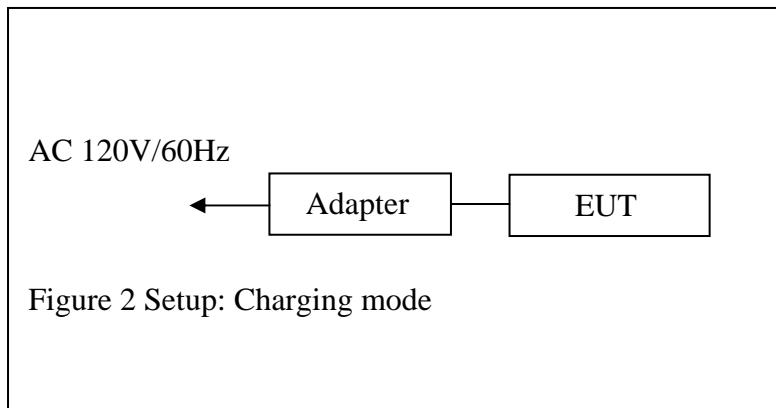


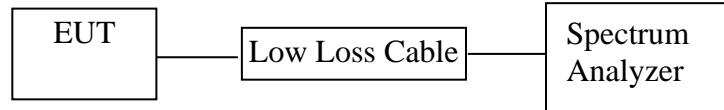
Figure 2 Setup: Charging mode

## 4. TEST PROCEDURES AND RESULTS

| FCC Rules                           | Description of Test                   | Result    |
|-------------------------------------|---------------------------------------|-----------|
| Section 15.247(a)(2)                | 6dB Bandwidth Test                    | Compliant |
| Section 15.247(e)                   | Power Spectral Density Test           | Compliant |
| Section 15.247(b)(3)                | Maximum Peak Output Power Test        | Compliant |
| Section 15.247(d)                   | Band Edge Compliance Test             | Compliant |
| Section 15.247(d)<br>Section 15.209 | Radiated Spurious Emission Test       | Compliant |
| Section 15.247(d)                   | Conducted Spurious Emission Test      | Compliant |
| Section 15.207                      | AC Power Line Conducted Emission Test | Compliant |
| Section 15.203                      | Antenna Requirement                   | Compliant |

## 5. 6DB BANDWIDTH MEASUREMENT

### 5.1. Block Diagram of Test Setup



### 5.2. The Requirement For Section 15.247(a)(2)

Section 15.247(a)(2): Systems using digital modulation techniques may operate in the 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

### 5.3. EUT Configuration on Measurement

The equipment are installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

### 5.4. Operating Condition of EUT

5.4.1. Setup the EUT and simulator as shown as Section 5.1.

5.4.2. Turn on the power of all equipment.

5.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.

### 5.5. Test Procedure

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

### 5.6. Test Result

The test was performed with 802.11b

| Channel | Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (MHz) |
|---------|-----------------|---------------------|-------------|
| Low     | 2412            | 8.08                | > 0.5MHz    |
| Middle  | 2437            | 8.04                | > 0.5MHz    |
| High    | 2462            | 8.08                | > 0.5MHz    |

The test was performed with 802.11g

| Channel | Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (MHz) |
|---------|-----------------|---------------------|-------------|
| Low     | 2412            | 15.16               | > 0.5MHz    |
| Middle  | 2437            | 15.44               | > 0.5MHz    |
| High    | 2462            | 15.44               | > 0.5MHz    |

The test was performed with 802.11n (Bandwidth: 20 MHz)

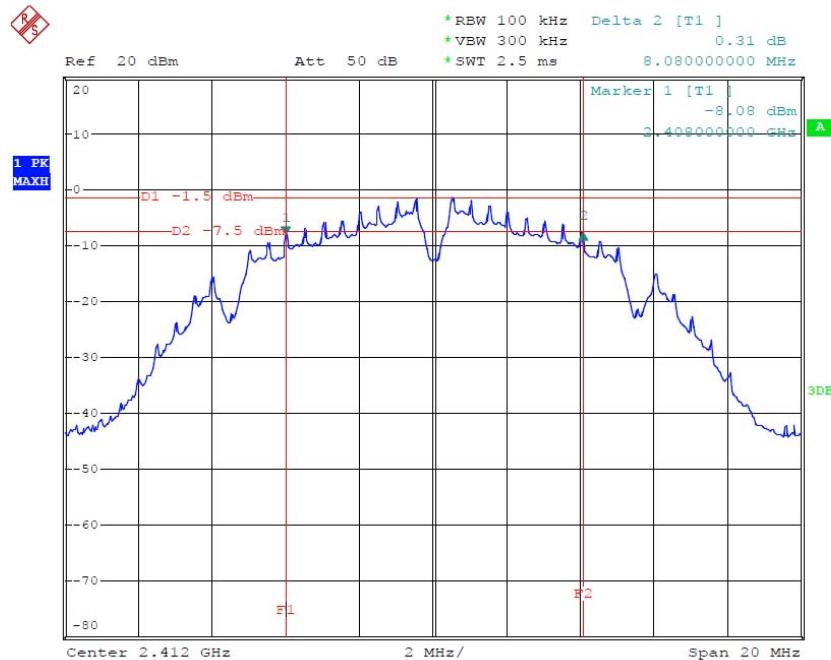
| Channel | Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (MHz) |
|---------|-----------------|---------------------|-------------|
| Low     | 2412            | 16.08               | > 0.5MHz    |
| Middle  | 2437            | 16.08               | > 0.5MHz    |
| High    | 2462            | 16.36               | > 0.5MHz    |

The test was performed with 802.11n (Bandwidth: 40 MHz)

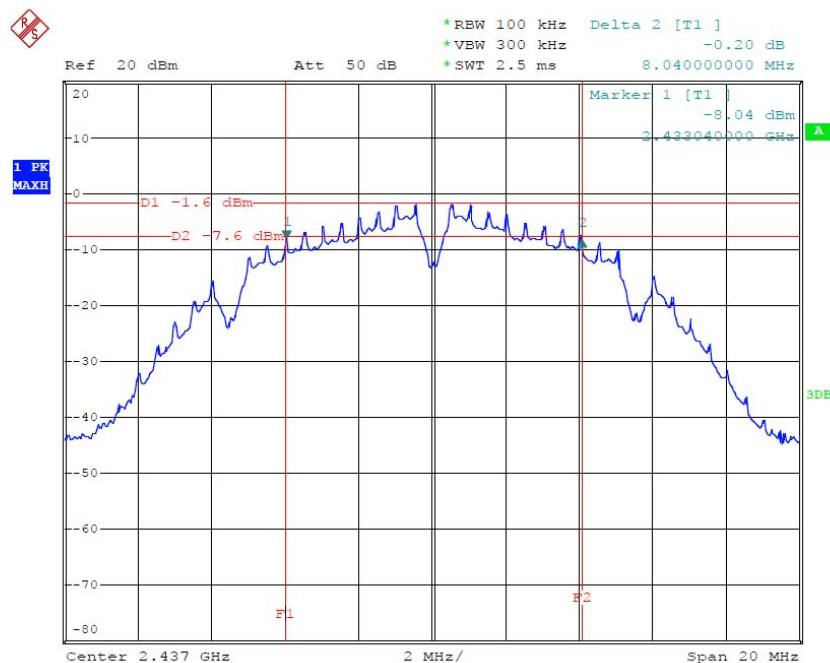
| Channel | Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (MHz) |
|---------|-----------------|---------------------|-------------|
| Low     | 2422            | 36.44               | > 0.5MHz    |
| Middle  | 2437            | 36.48               | > 0.5MHz    |
| High    | 2452            | 36.40               | > 0.5MHz    |

The spectrum analyzer plots are attached as below.

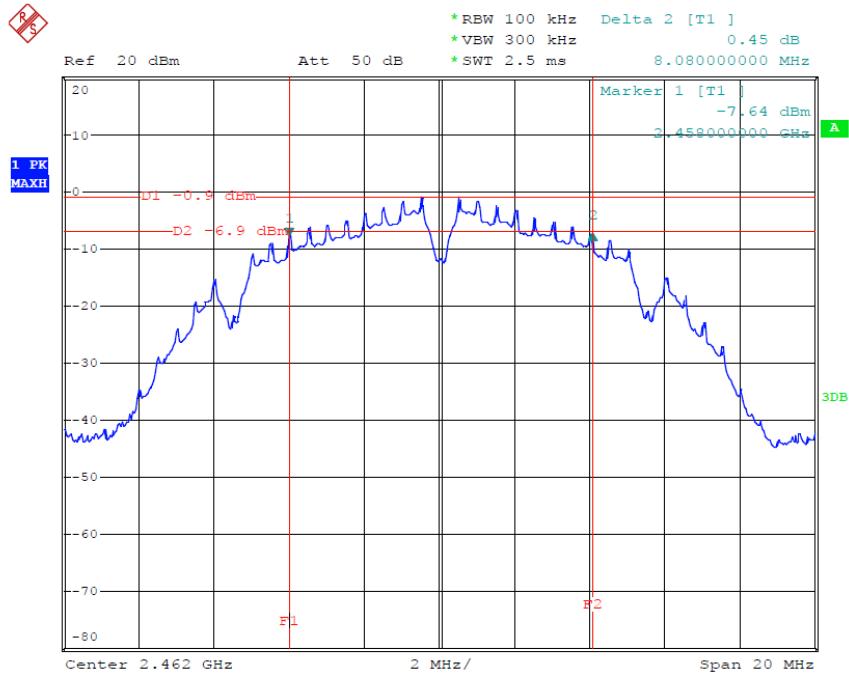
## 802.11b Channel Low 2412MHz



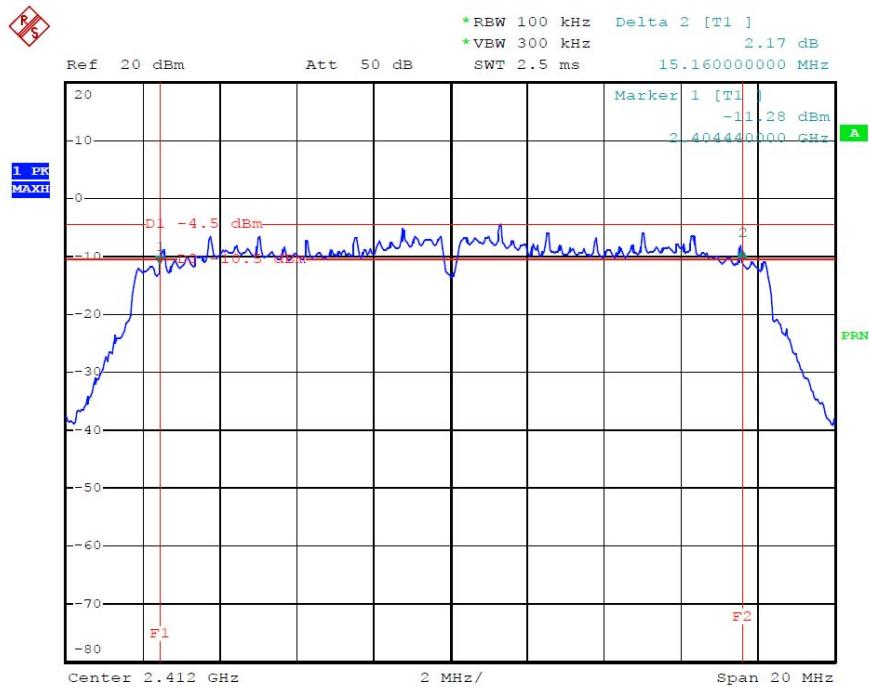
## 802.11b Channel Middle 2437MHz



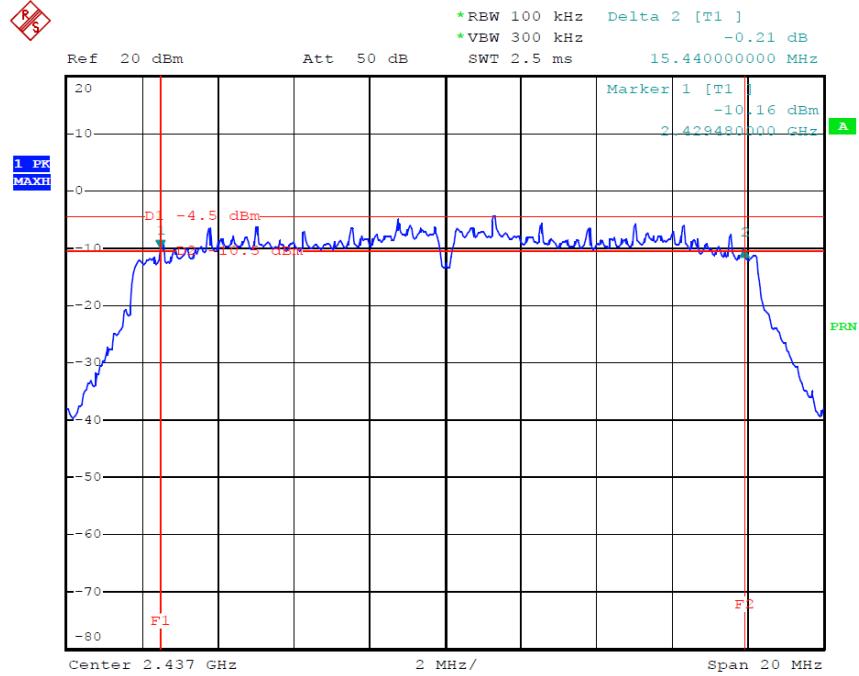
## 802.11b Channel High 2462MHz



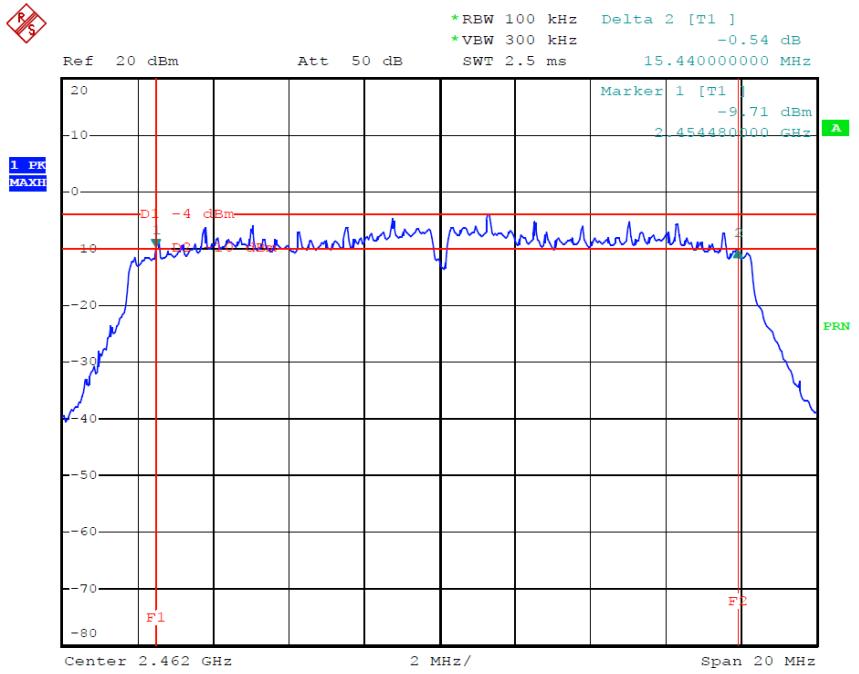
## 802.11g Channel Low 2412MHz



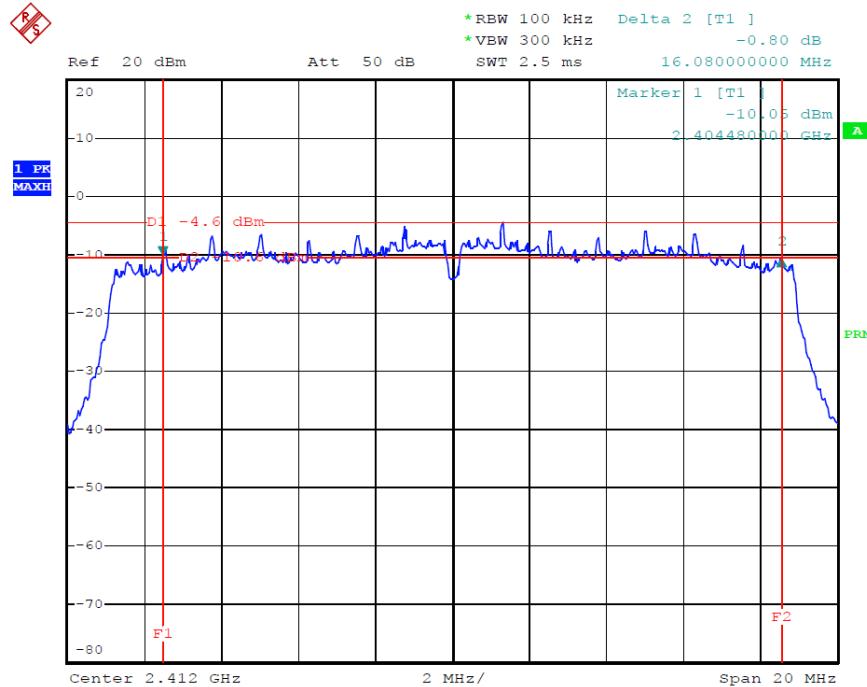
## 802.11g Channel Middle 2437MHz



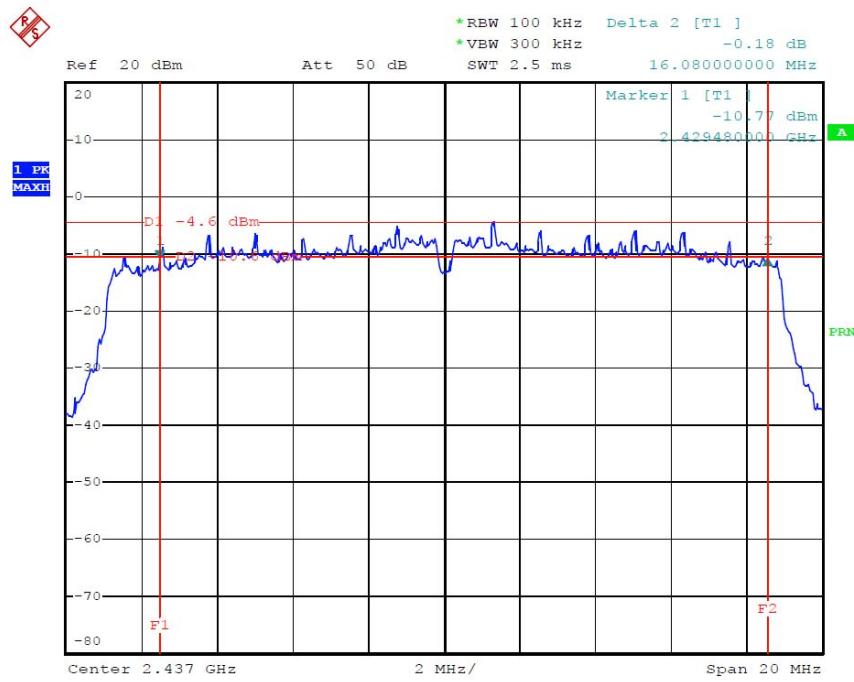
## 802.11g Channel High 2462MHz



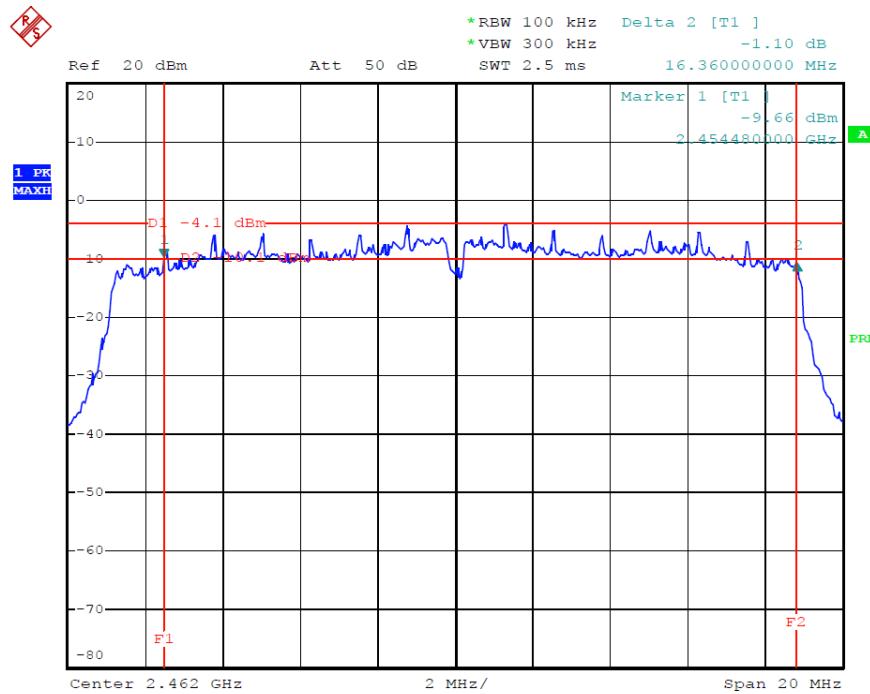
## 802.11n Channel Low 2412MHz (20MHz)



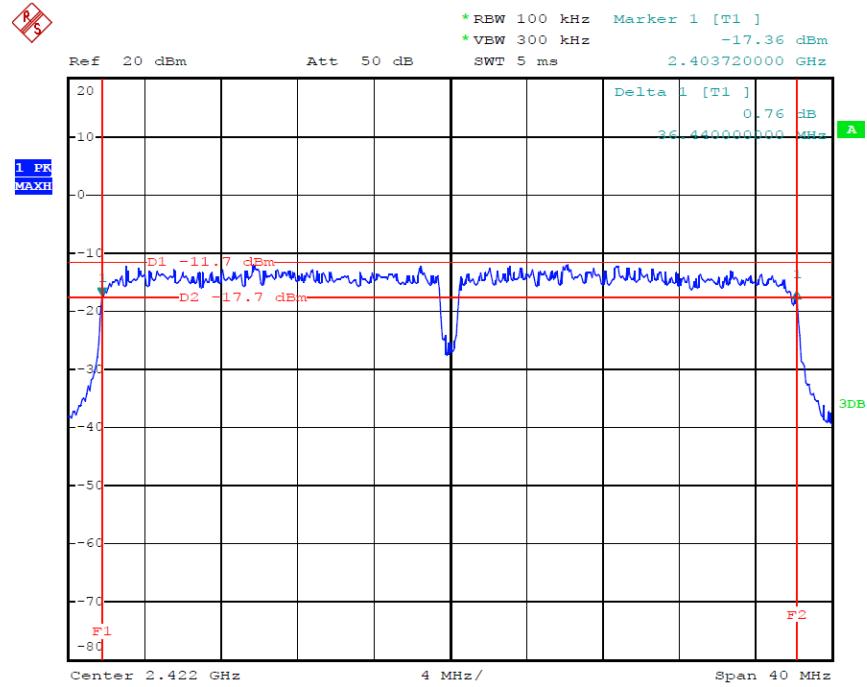
## 802.11n Channel Middle 2437MHz(20MHz)



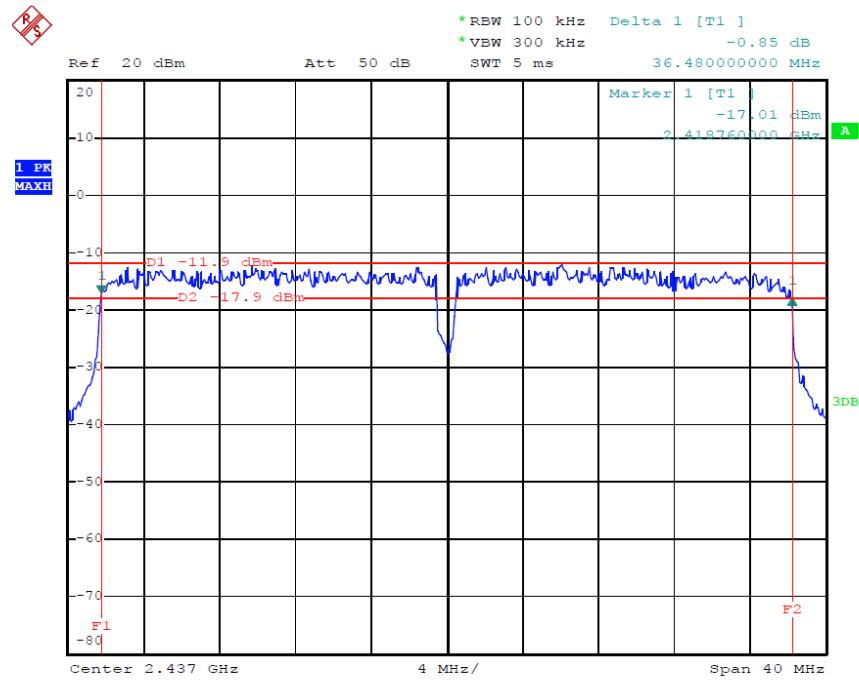
## 802.11n Channel High 2462MHz(20MHz)



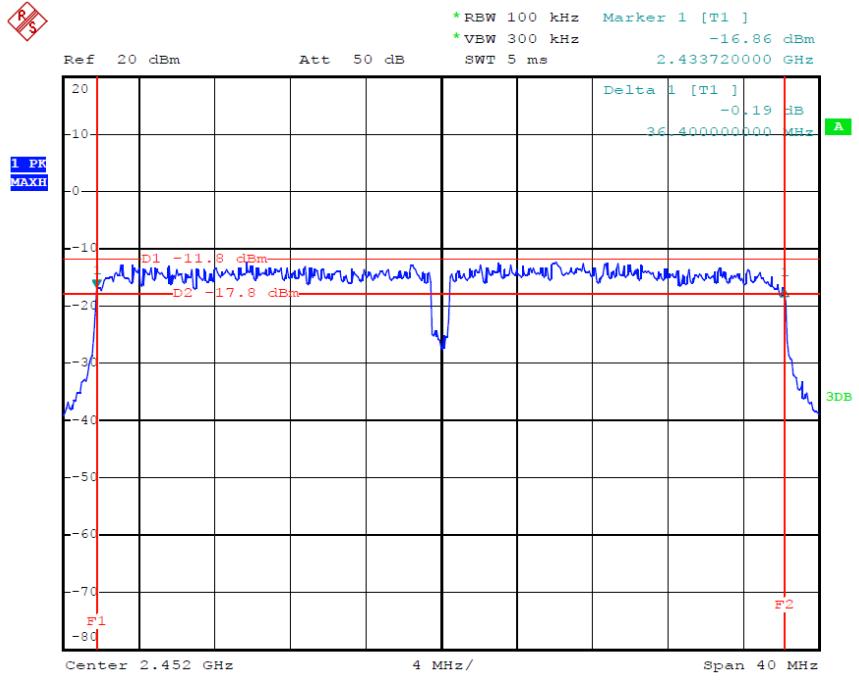
## 802.11n Channel Low 2422MHz (40MHz)



## 802.11n Channel Middle 2437MHz(40MHz)

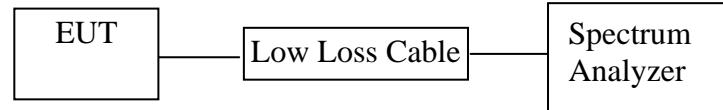


## 802.11n Channel High 2452MHz(40MHz)



## 6. MAXIMUM PEAK OUTPUT POWER

### 6.1. Block Diagram of Test Setup



### 6.2. The Requirement For Section 15.247(b)(3)

Section 15.247(b)(3): For systems using digital modulation in the 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz bands: 1 Watt.

### 6.3. EUT Configuration on Measurement

The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

### 6.4. Operating Condition of EUT

6.4.1. Setup the EUT and simulator as shown as Section 6.1.

6.4.2. Turn on the power of all equipment.

6.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.

### 6.5. Test Procedure

6.5.1. The EUT was tested according to DTS test procedure of April 09, 2013 KDB558074 D01 DTS Meas Guidance v03 for compliance to FCC 47CFR 15.247 requirements.

6.5.2. The transmitter output was connected to the spectrum analyzer through a low loss cable.

6.5.3. Set RBW of spectrum analyzer to 1MHz and VBW to 3MHz.

6.5.4. Measurement the maximum peak output power.

## 6.6. Test Result

| The test was performed with 802.11b |                 |                         |                        |                |
|-------------------------------------|-----------------|-------------------------|------------------------|----------------|
| Channel                             | Frequency (MHz) | Peak Output Power (dBm) | Peak Output Power (mW) | Limits dBm / W |
| Low                                 | 2412            | 8.24                    | 6.67                   | 30 dBm / 1 W   |
| Middle                              | 2437            | 8.11                    | 6.47                   | 30 dBm / 1 W   |
| High                                | 2462            | 8.74                    | 7.48                   | 30 dBm / 1 W   |

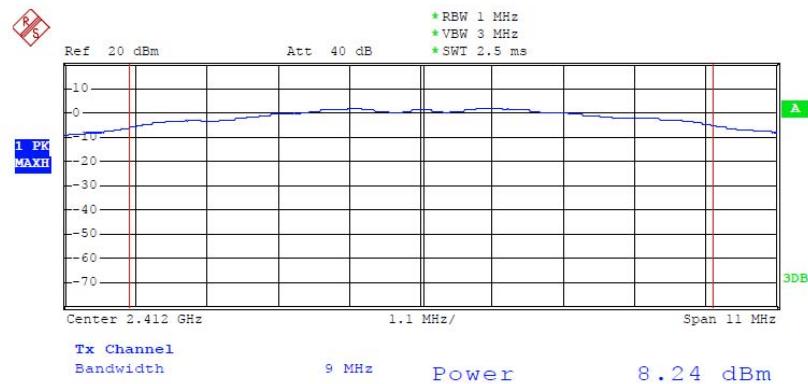
| The test was performed with 802.11g |                 |                         |                        |                |
|-------------------------------------|-----------------|-------------------------|------------------------|----------------|
| Channel                             | Frequency (MHz) | Peak Output Power (dBm) | Peak Output Power (mW) | Limits dBm / W |
| Low                                 | 2412            | 7.84                    | 6.08                   | 30 dBm / 1 W   |
| Middle                              | 2437            | 7.32                    | 5.40                   | 30 dBm / 1 W   |
| High                                | 2462            | 6.58                    | 4.55                   | 30 dBm / 1 W   |

| The test was performed with 802.11n (20MHz) |                 |                         |                        |                |
|---|-----------------|-------------------------|------------------------|----------------|
| Channel                                     | Frequency (MHz) | Peak Output Power (dBm) | Peak Output Power (mW) | Limits dBm / W |
| Low   | 2412            | 7.87                    | 6.12                   | 30 dBm / 1 W   |
| Middle                                      | 2437            | 6.08                    | 4.06                   | 30 dBm / 1 W   |
| High  | 2462            | 7.31                    | 5.38                   | 30 dBm / 1 W   |

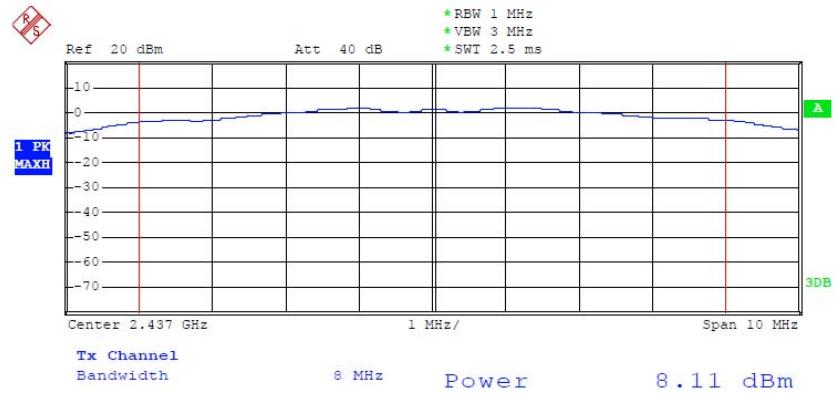
| The test was performed with 802.11n (40MHz) |                 |                         |                        |                |
|---|-----------------|-------------------------|------------------------|----------------|
| Channel                                     | Frequency (MHz) | Peak Output Power (dBm) | Peak Output Power (mW) | Limits dBm / W |
| Low   | 2422            | 7.65                    | 5.82                   | 30 dBm / 1 W   |
| Middle                                      | 2437            | 7.83                    | 6.07                   | 30 dBm / 1 W   |
| High  | 2452            | 7.41                    | 5.51                   | 30 dBm / 1 W   |

The spectrum analyzer plots are attached as below.

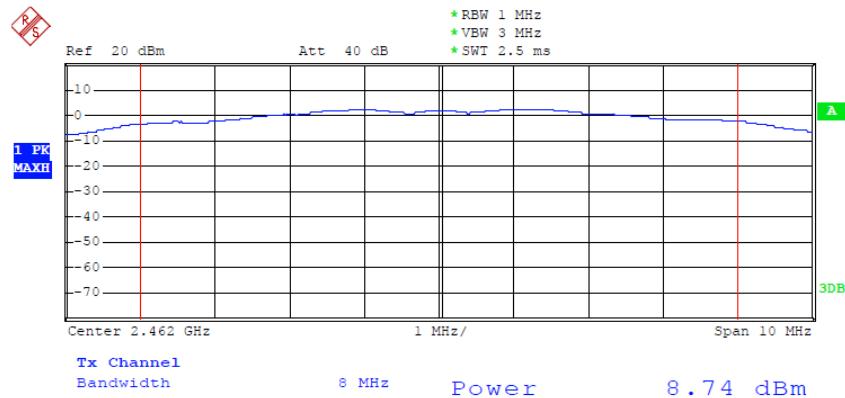
## 802.11b Channel Low 2412MHz



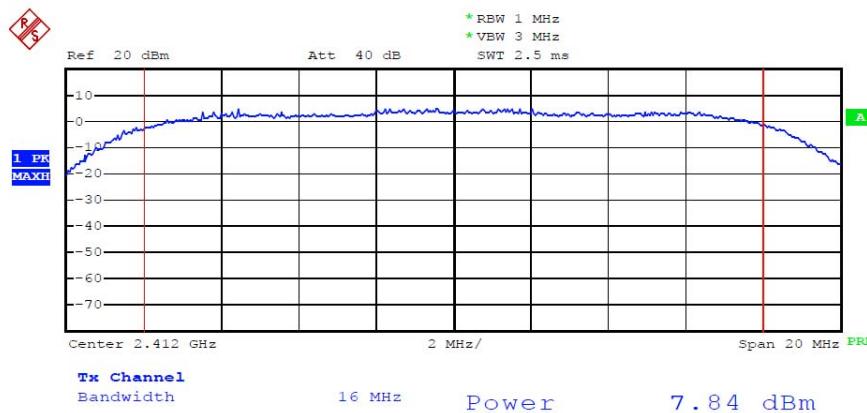
## 802.11b Channel Middle 2437MHz



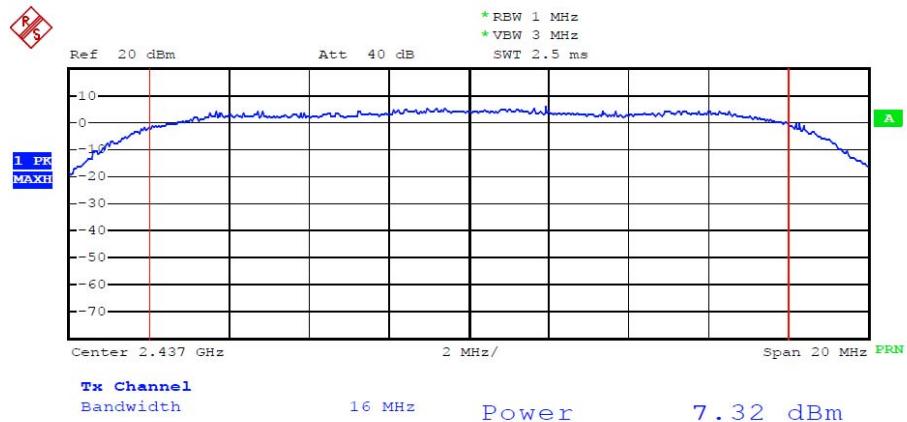
## 802.11b Channel High 2462MHz



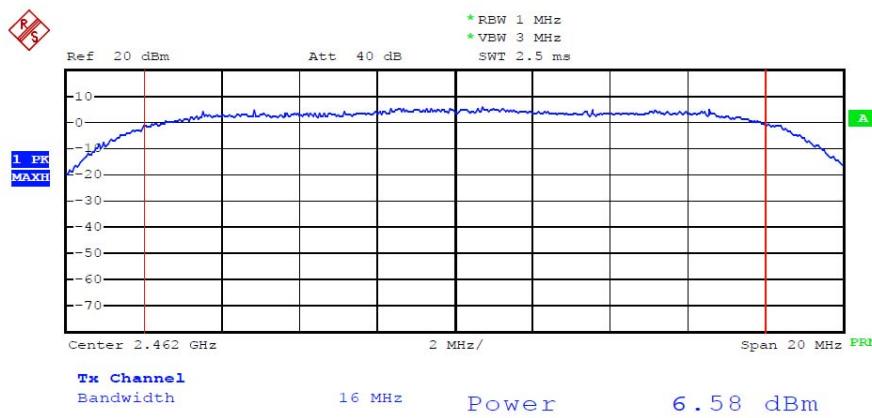
## 802.11g Channel Low 2412MHz



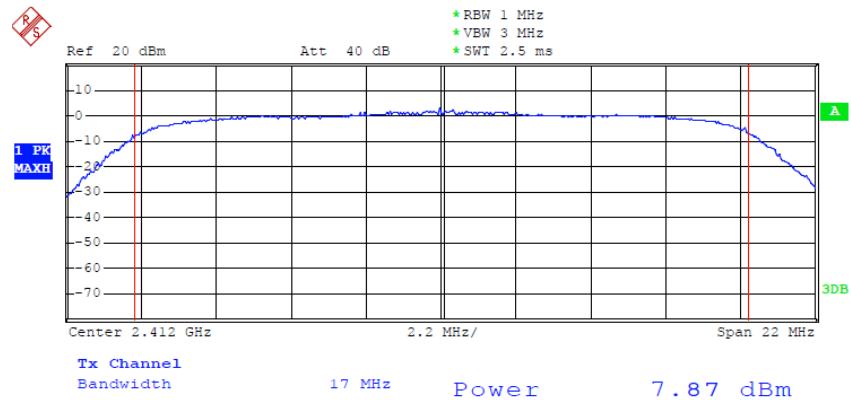
## 802.11g Channel Middle 2437MHz



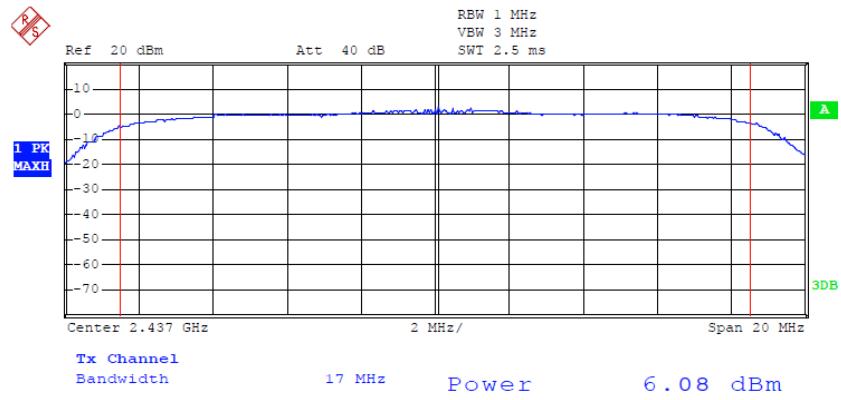
## 802.11g Channel High 2462MHz



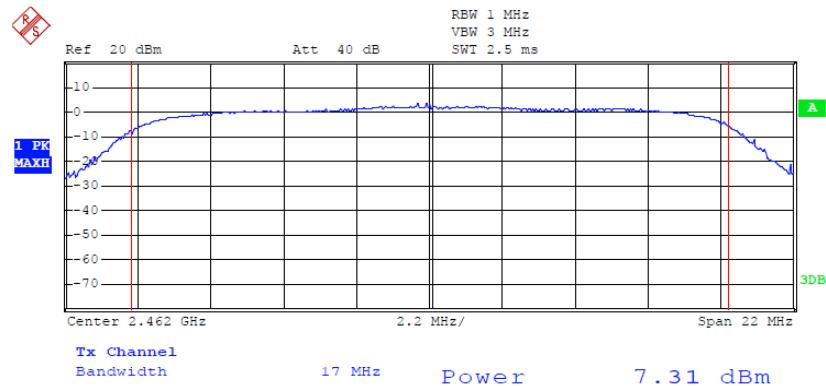
## 802.11n Channel Low 2412MHz (20MHz)



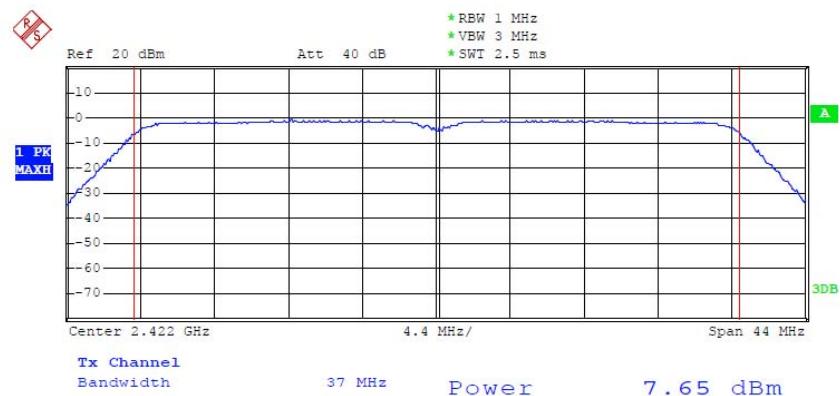
## 802.11n Channel Middle 2437MHz (20MHz)



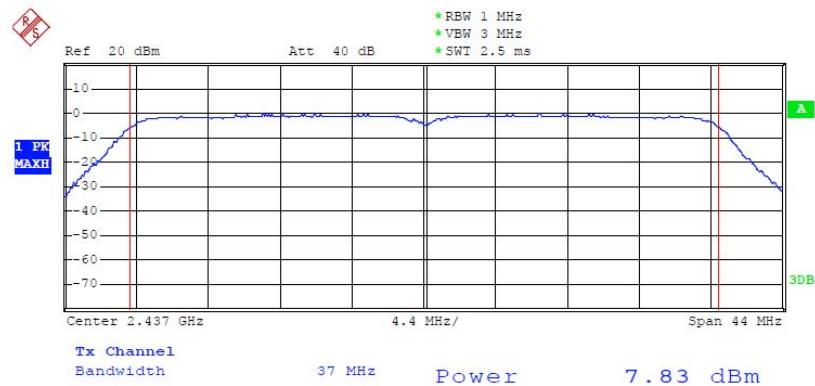
## 802.11n Channel High 2462MHz (20MHz)



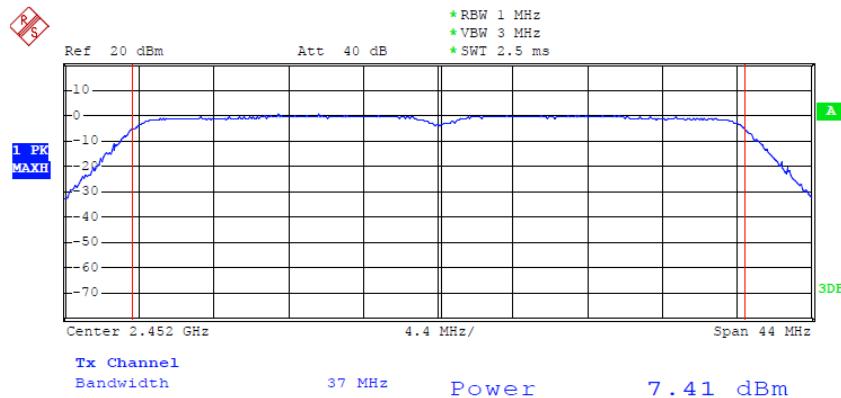
## 802.11n Channel Low 2422MHz (40MHz)



## 802.11n Channel Middle 2437MHz (40MHz)

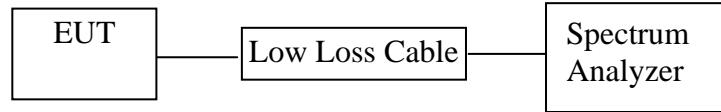


## 802.11n Channel High 2452MHz (40MHz)



## 7. POWER SPECTRAL DENSITY MEASUREMENT

### 7.1. Block Diagram of Test Setup



### 7.2. The Requirement For Section 15.247(e)

Section 15.247(e): For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

### 7.3. EUT Configuration on Measurement

The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

### 7.4. Operating Condition of EUT

7.4.1. Setup the EUT and simulator as shown as Section 7.1.

7.4.2. Turn on the power of all equipment.

7.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.

### 7.5. Test Procedure

7.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.

7.5.2. Measurement Procedure PKPSD:

This procedure must be used if maximum peak conducted output power was used to demonstrate compliance to the fundamental output power limit, and is optional if the maximum (average) conducted output power was used to demonstrate compliance.

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS channel bandwidth.
3. Set the RBW  $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$ .

4. Set the VBW  $\geq 3 \times$  RBW.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

#### 7.5.3. Measurement the maximum power spectral density.

### 7.6. Test Result

The test was performed with 802.11b

| Channel | Frequency (MHz) | Power Spectral Density (dBm) | Limits (dBm) |
|---------|-----------------|------------------------------|--------------|
| Low     | 2412            | -16.45                       | 8 dBm        |
| Middle  | 2437            | -16.13                       | 8 dBm        |
| High    | 2462            | -15.14                       | 8 dBm        |

The test was performed with 802.11g

| Channel | Frequency (MHz) | Power Spectral Density (dBm) | Limits (dBm) |
|---------|-----------------|------------------------------|--------------|
| Low     | 2412            | -19.38                       | 8 dBm        |
| Middle  | 2437            | -19.05                       | 8 dBm        |
| High    | 2462            | -18.27                       | 8 dBm        |

The test was performed with 802.11n (20MHz)

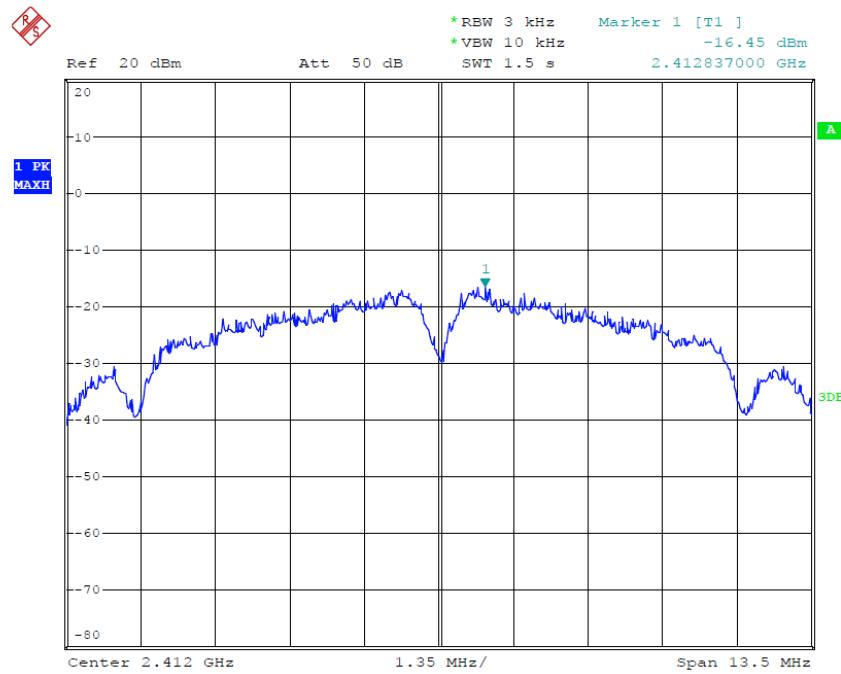
| Channel | Frequency (MHz) | Power Spectral Density (dBm) | Limits (dBm) |
|---------|-----------------|------------------------------|--------------|
| Low     | 2412            | -20.79                       | 8 dBm        |
| Middle  | 2437            | -19.93                       | 8 dBm        |
| High    | 2462            | -18.98                       | 8 dBm        |

The test was performed with 802.11n (40MHz)

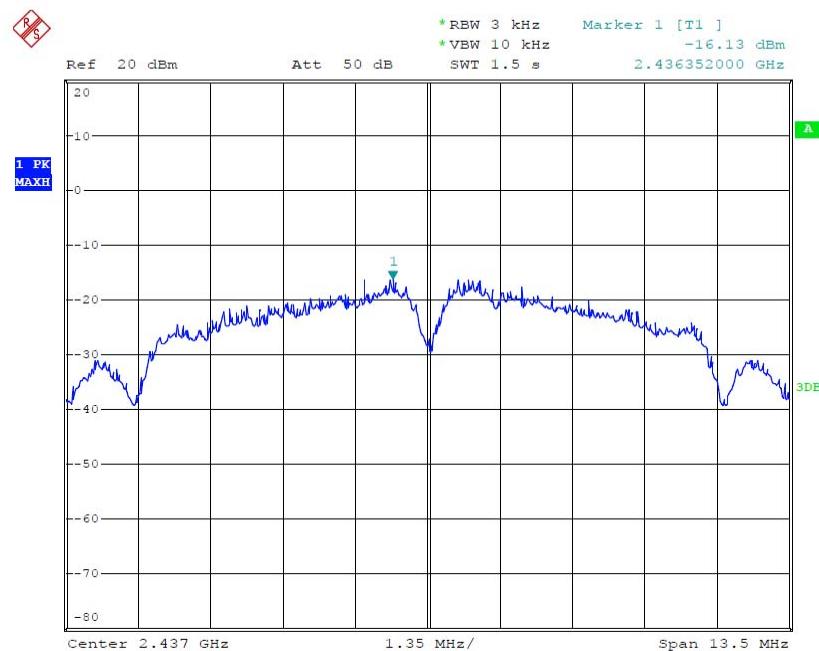
| Channel | Frequency (MHz) | Power Spectral Density (dBm) | Limits (dBm) |
|---------|-----------------|------------------------------|--------------|
| Low     | 2422            | -24.68                       | 8 dBm        |
| Middle  | 2437            | -24.85                       | 8 dBm        |
| High    | 2452            | -24.74                       | 8 dBm        |

The spectrum analyzer plots are attached as below.

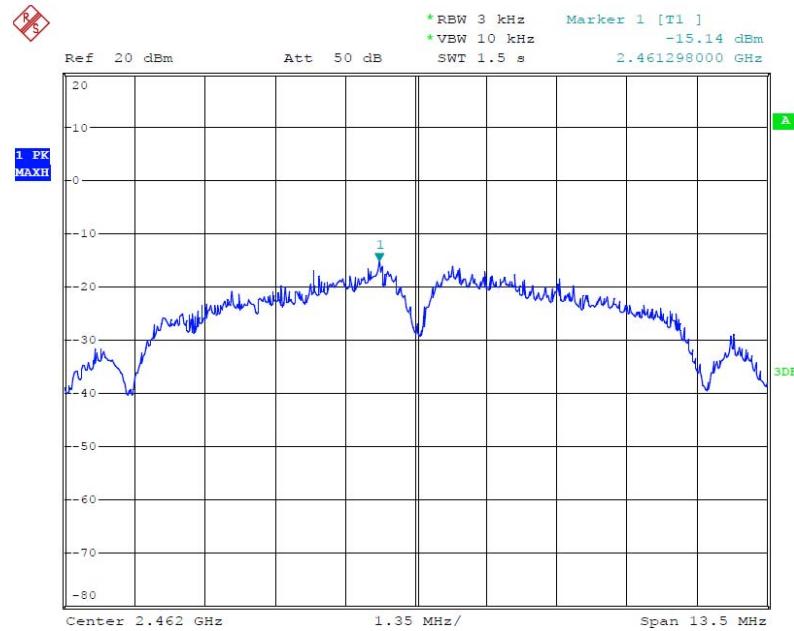
## 802.11b Channel Low 2412MHz



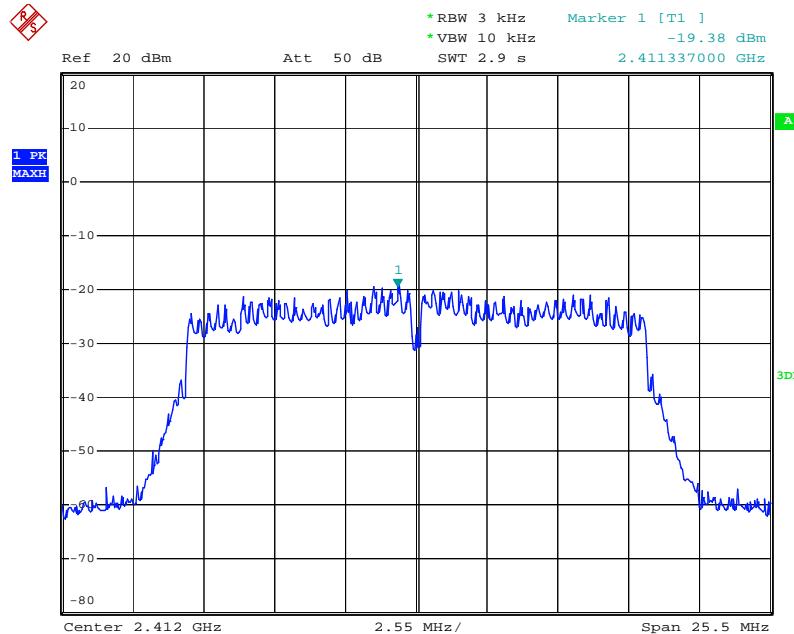
## 802.11b Channel Middle 2437MHz



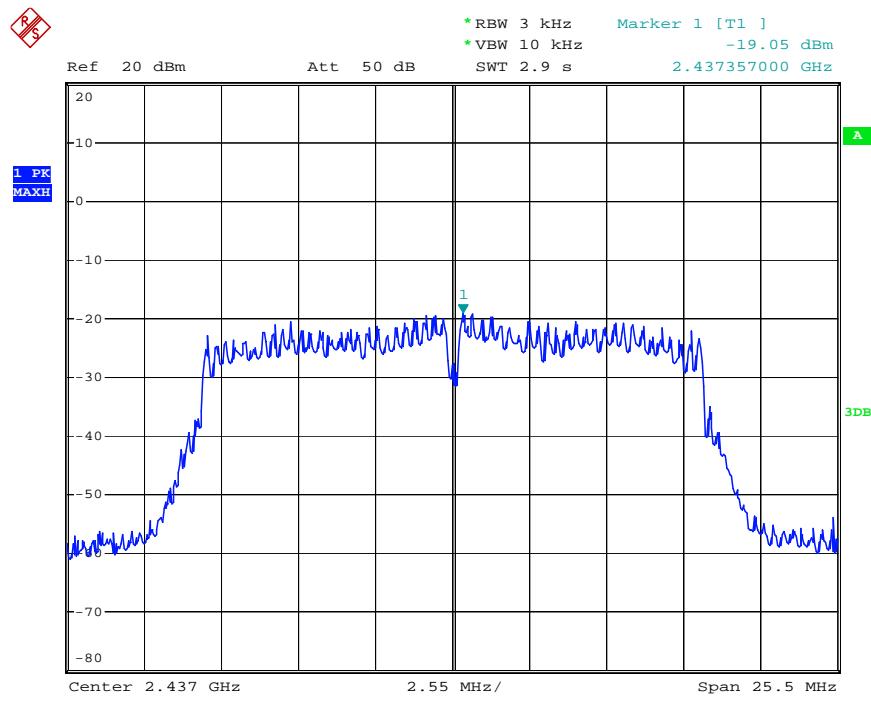
## 802.11b Channel High 2462MHz



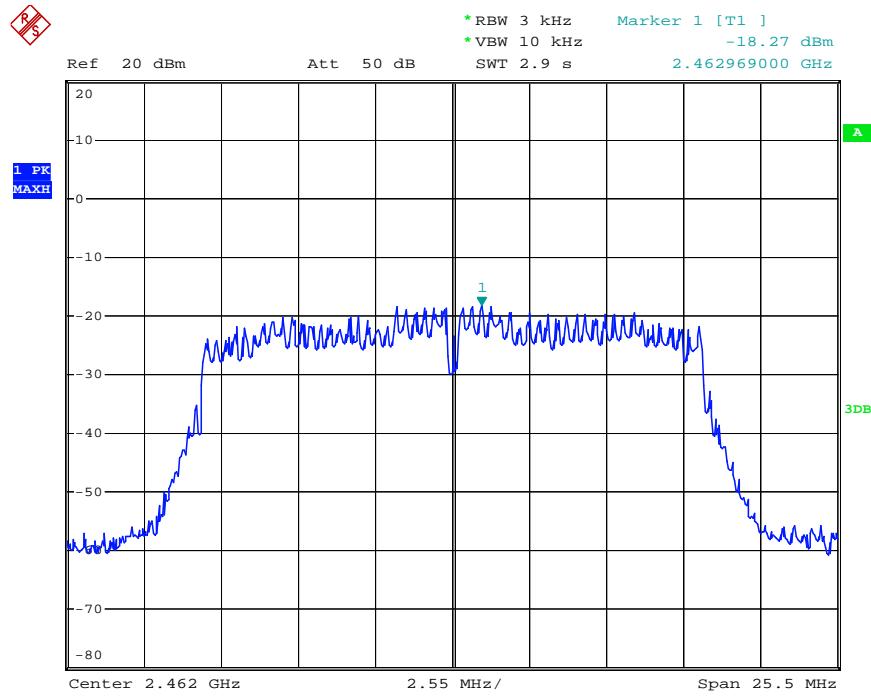
## 802.11g Channel Low 2412MHz



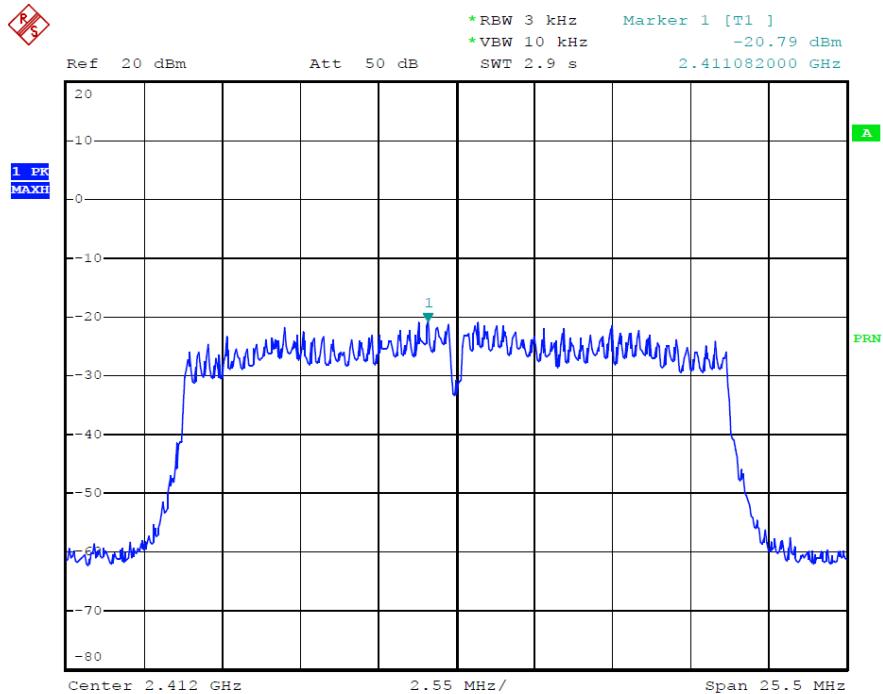
## 802.11g Channel Middle 2437MHz



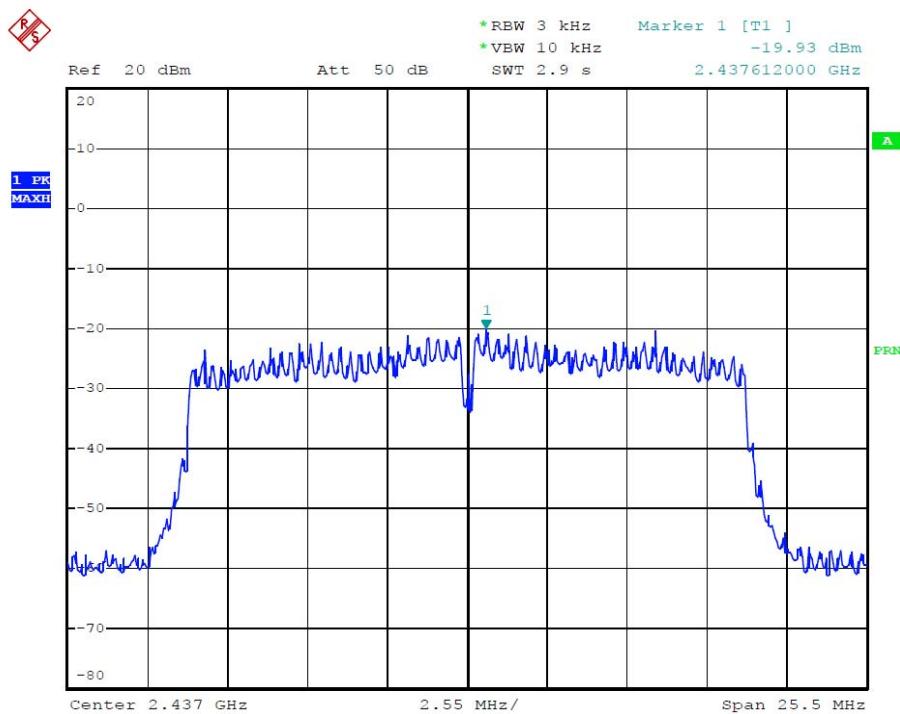
## 802.11g Channel High 2462MHz



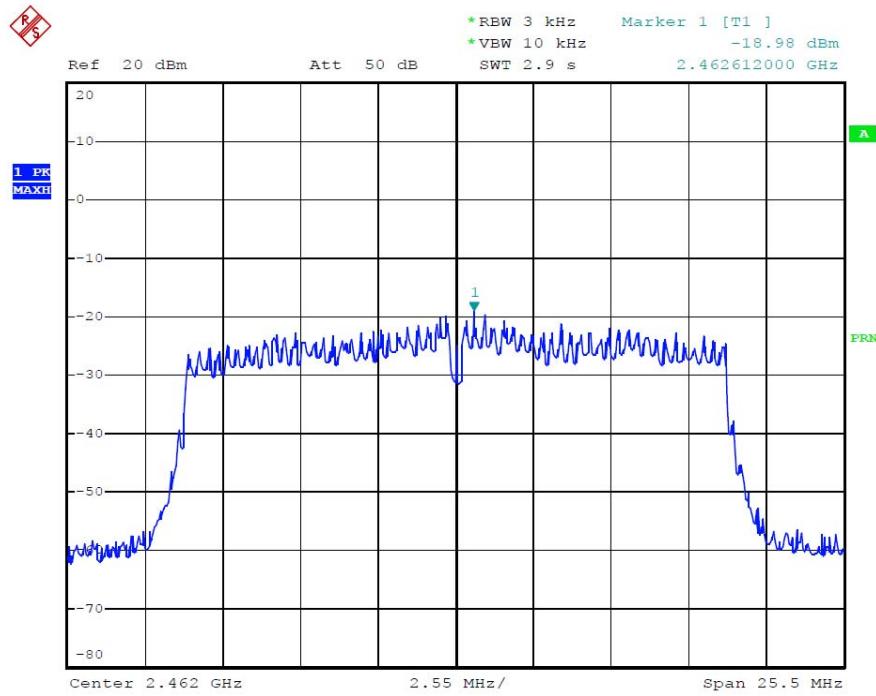
## 802.11n Channel Low 2412MHz (20MHz)



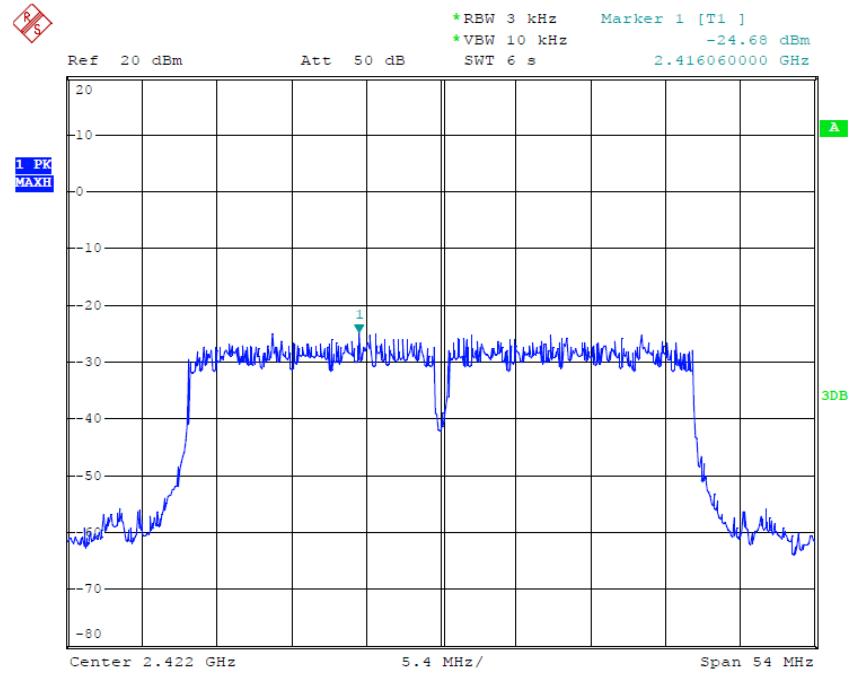
## 802.11n Channel Middle 2437MHz (20MHz)



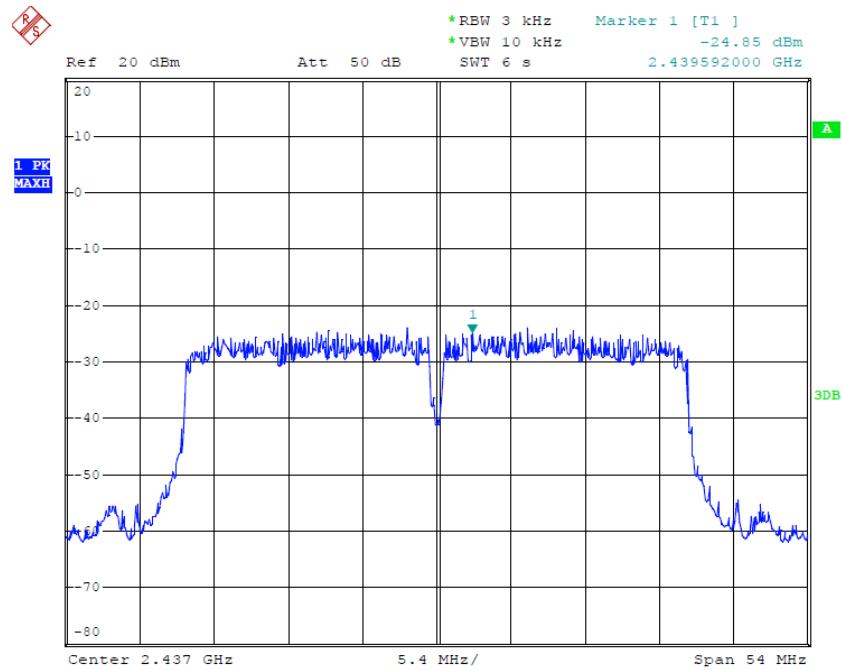
## 802.11n Channel High 2462MHz(20MHz)



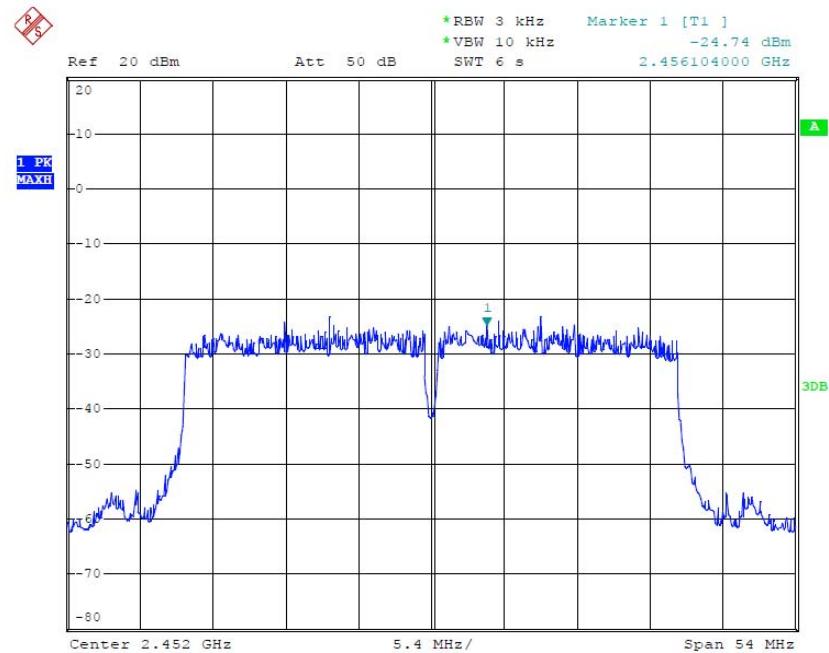
## 802.11n Channel Low 2422MHz (40MHz)



## 802.11n Channel Middle 2437MHz(40MHz)

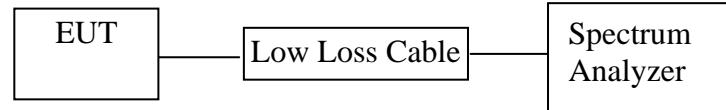


## 802.11n Channel High 2452MHz(40MHz)



## 8. BAND EDGE COMPLIANCE TEST

### 8.1. Block Diagram of Test Setup



### 8.2. The Requirement For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

### 8.3. EUT Configuration on Measurement

The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

### 8.4. Operating Condition of EUT

8.4.1. Setup the EUT and simulator as shown as Section 8.1.

8.4.2. Turn on the power of all equipment.

8.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz MHz. We select 2412MHz, 2462MHz and 2422MHz, 2452MHz TX frequency to transmit.

### 8.5. Test Procedure

Conducted Band Edge:

8.5.1. The transmitter output was connected to the spectrum analyzer via a low loss cable.

8.5.2. Set RBW of spectrum analyzer to 100kHz and VBW to 300kHz.

Radiate Band Edge:

8.5.3. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.

8.5.4. The turntable was rotated for 360 degrees to determine the position of maximum emission level.

8.5.5. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.

8.5.6. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:

RBW=1MHz, VBW=1MHz

8.5.7. The band edges was measured and recorded.

## 8.6. Test Result

The test was performed with 802.11b

| Frequency (MHz) | Result of Band Edge (dBc) | Limit of Band Edge (dBc) |
|-----------------|---------------------------|--------------------------|
| 2412            | 38.02                     | > 20dBc                  |
| 2462            | 39.35                     | > 20dBc                  |

The test was performed with 802.11g

| Frequency (MHz) | Result of Band Edge (dBc) | Limit of Band Edge (dBc) |
|-----------------|---------------------------|--------------------------|
| 2412            | 36.95                     | > 20dBc                  |
| 2462            | 37.35                     | > 20dBc                  |

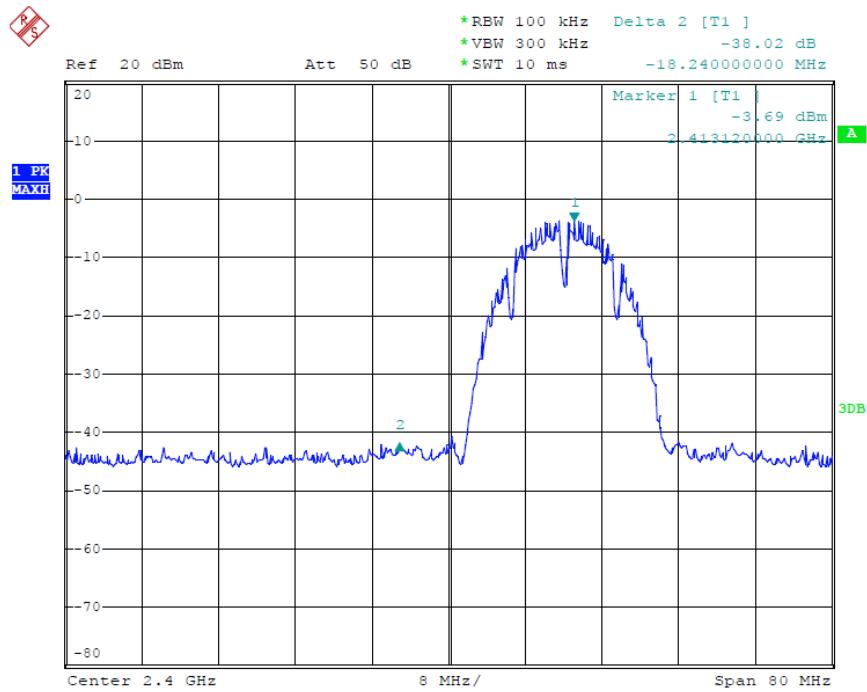
The test was performed with 802.11n (20MHz)

| Frequency (MHz) | Result of Band Edge (dBc) | Limit of Band Edge (dBc) |
|-----------------|---------------------------|--------------------------|
| 2412            | 27.83                     | > 20dBc                  |
| 2462            | 31.81                     | > 20dBc                  |

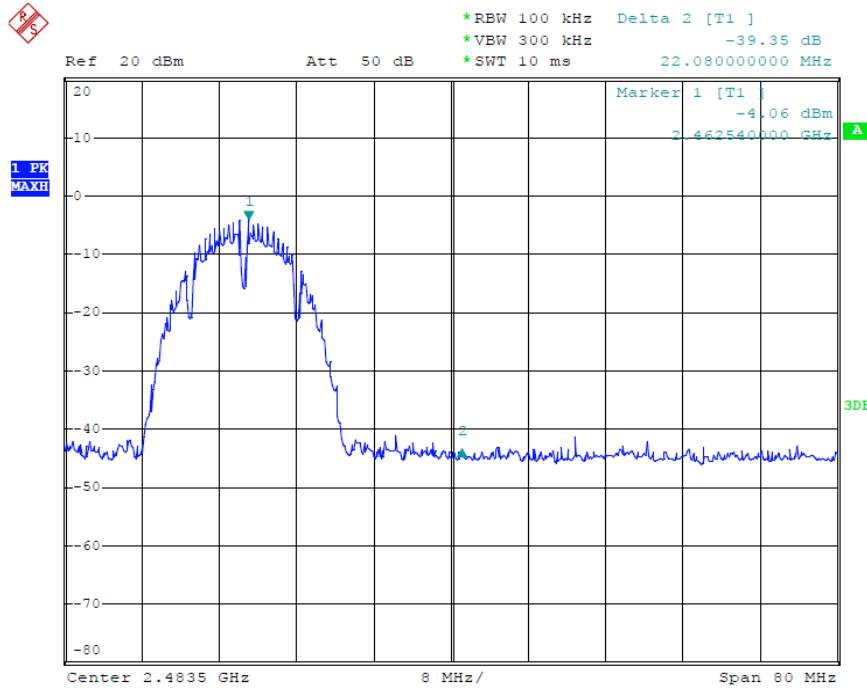
The test was performed with 802.11n (40MHz)

| Frequency (MHz) | Result of Band Edge (dBc) | Limit of Band Edge (dBc) |
|-----------------|---------------------------|--------------------------|
| 2422            | 26.96                     | > 20dBc                  |
| 2452            | 26.87                     | > 20dBc                  |

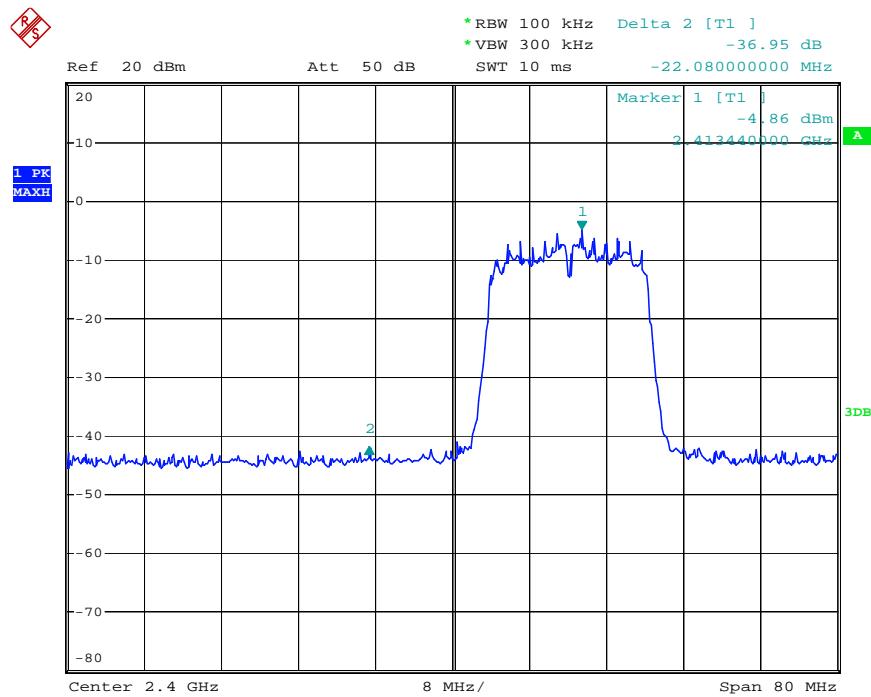
## 802.11b Channel Low 2412MHz



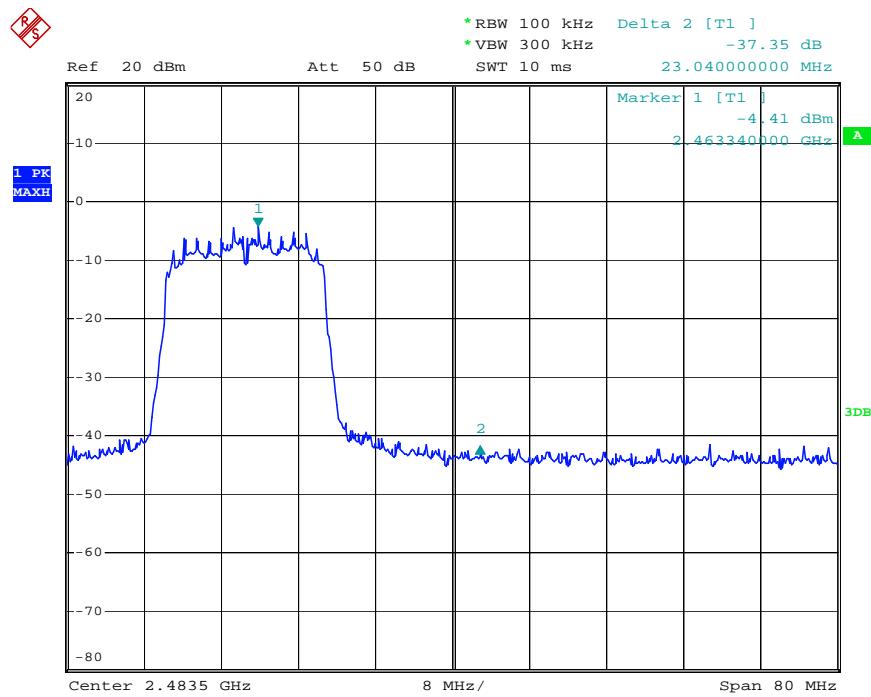
## 802.11b Channel High 2462MHz



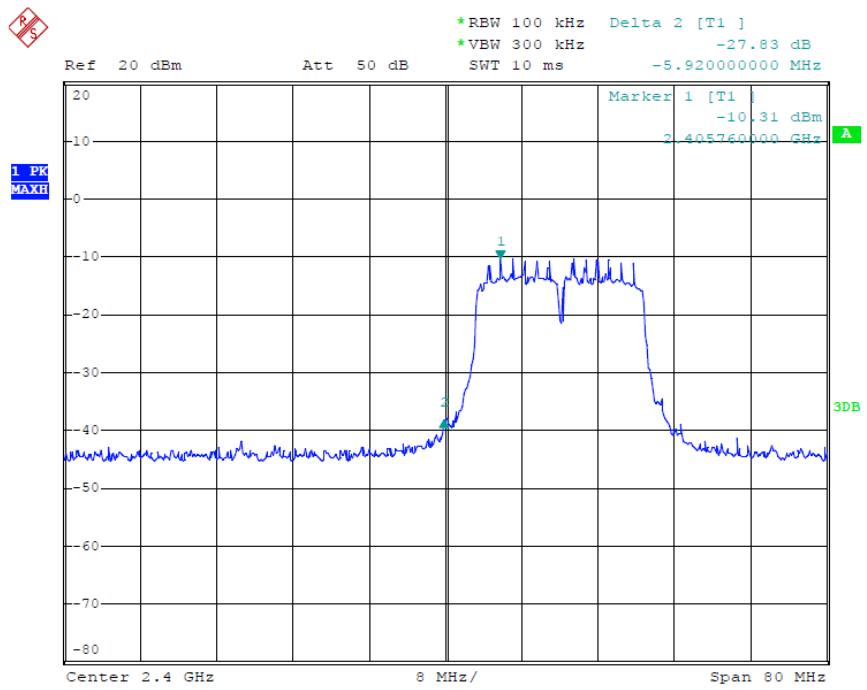
## 802.11g Channel Low 2412MHz



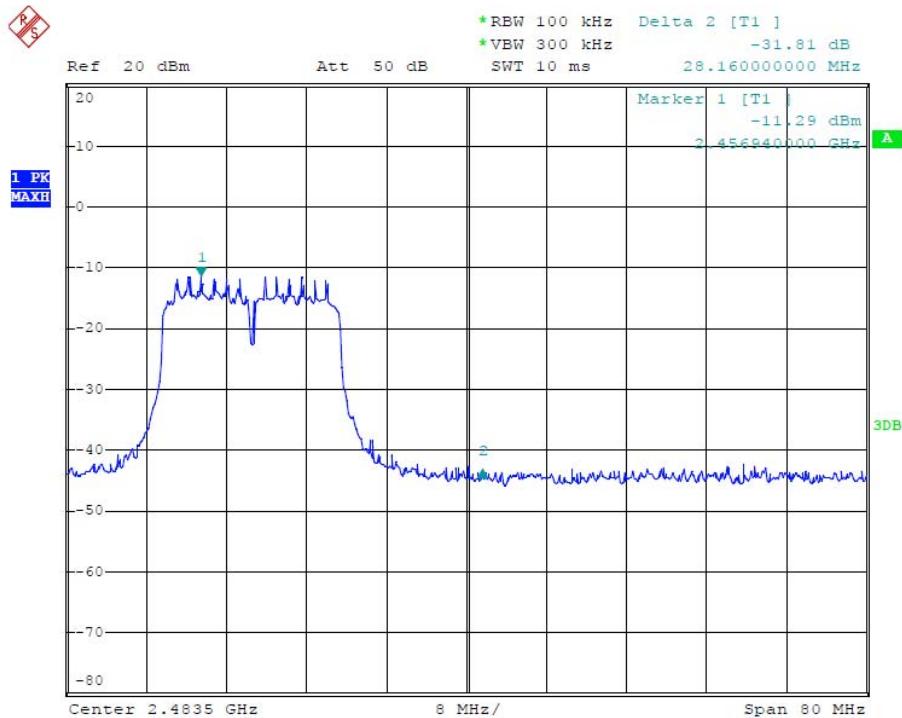
## 802.11g Channel High 2462MHz



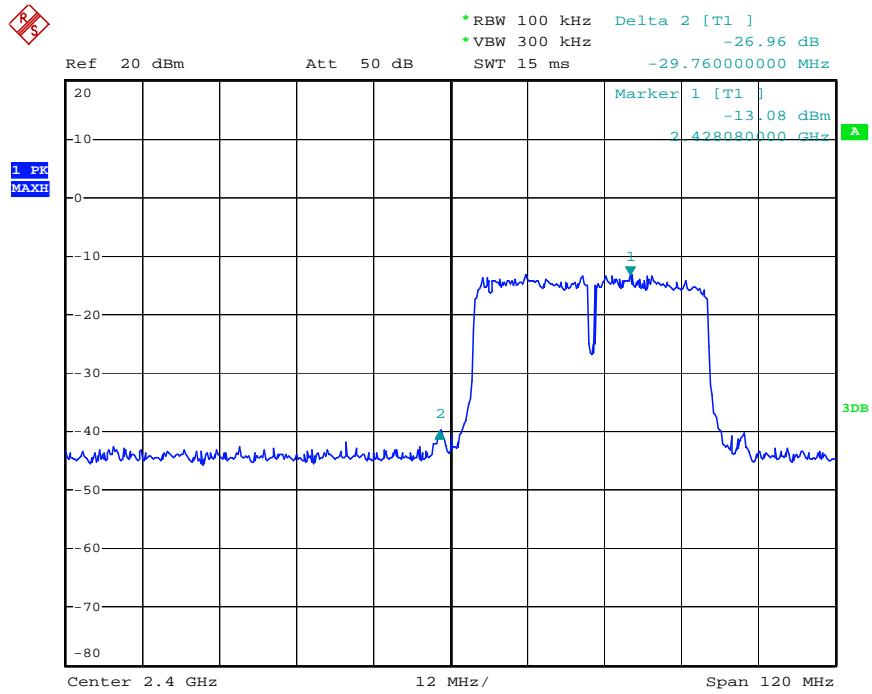
## 802.11n Channel Low 2412MHz (20MHz)



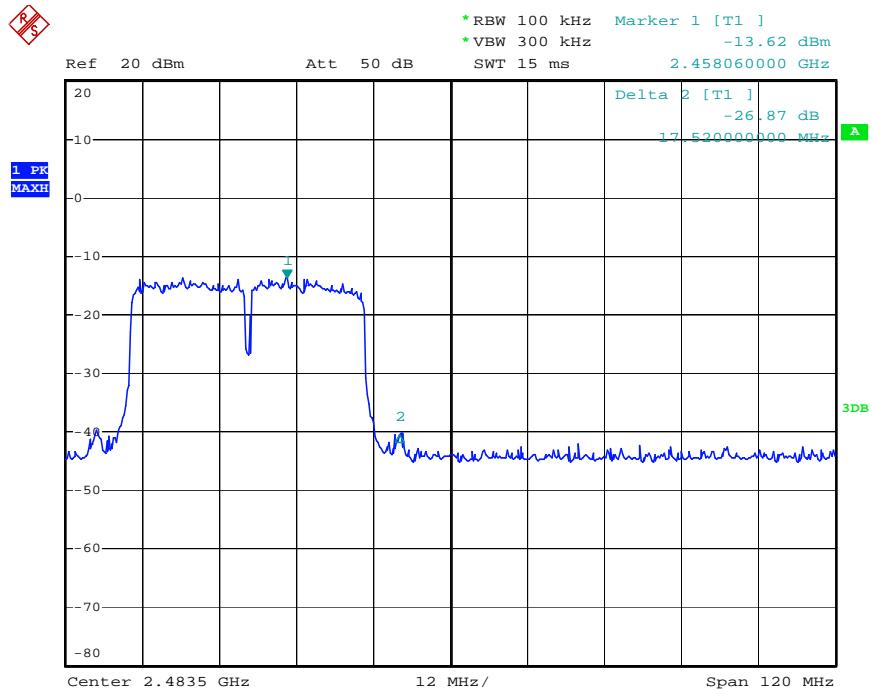
## 802.11n Channel High 2462MHz (20MHz)



## 802.11n Channel Low 2422MHz (40MHz)



## 802.11n Channel High 2452MHz (40MHz)



## Radiated Band Edge Result

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

3. Display the measurement of peak values.

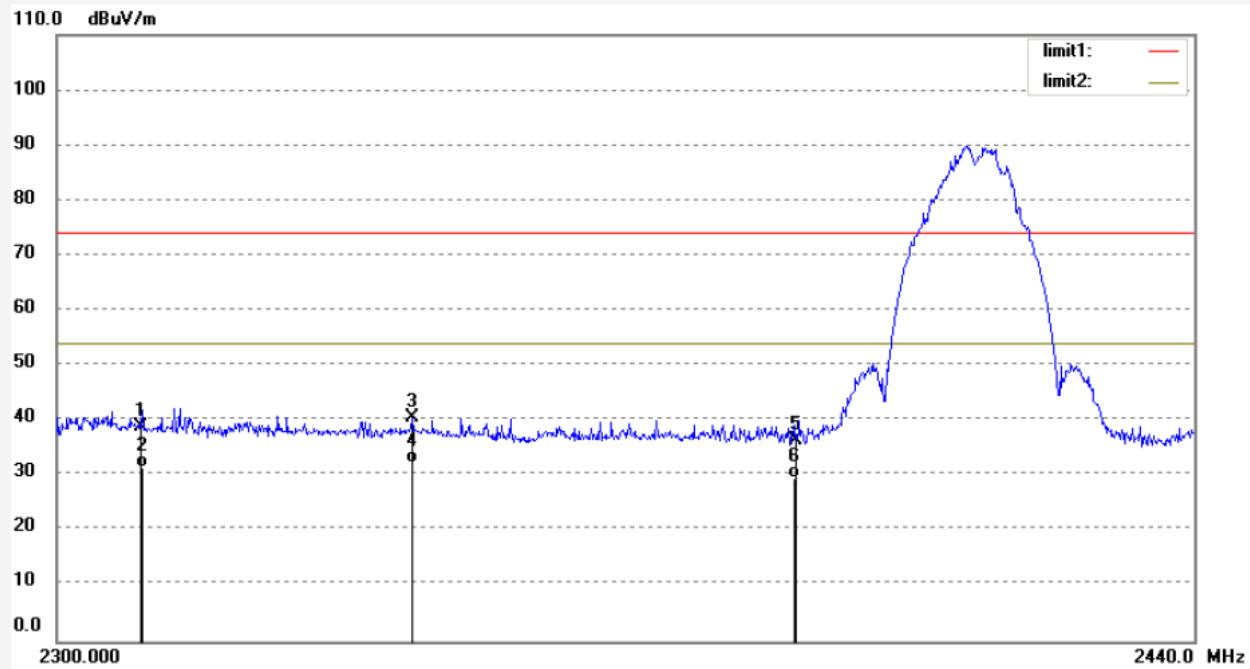


**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

|                               |                            |
|-------------------------------|----------------------------|
| Job No.: star #2557           | Polarization: Horizontal   |
| Standard: FCC 15C PK          | Power Source: AC 120V/60Hz |
| Test item: Radiation Test     | Date: 13/07/19/            |
| Temp.( C)/Hum.(%) 23 C / 49 % | Time: 13/18/32             |
| EUT: TABLET PC                | Engineer Signature:        |
| Mode: TX Channel 1(802.11b)   | Distance: 3m               |
| Model: GT10V                  |                            |
| Manufacturer: EKEN(HK)        |                            |
| Note: Report No.:ATE20131532  |                            |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2310.000    | 46.79            | -7.81       | 38.98           | 74.00          | -35.02      | peak     |             |               |        |
| 2   | 2310.000    | 39.18            | -7.81       | 31.37           | 54.00          | -22.63      | AVG      |             |               |        |
| 3   | 2342.882    | 48.46            | -7.79       | 40.67           | 74.00          | -33.33      | peak     |             |               |        |
| 4   | 2342.882    | 40.15            | -7.79       | 32.36           | 54.00          | -21.64      | AVG      |             |               |        |
| 5   | 2390.000    | 43.96            | -7.53       | 36.43           | 74.00          | -37.57      | peak     |             |               |        |
| 6   | 2390.000    | 36.99            | -7.53       | 29.46           | 54.00          | -24.54      | AVG      |             |               |        |


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 Site: 966 chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: star #2558

Polarization: Vertical

Standard: FCC 15C PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/19/

Temp.( C)/Hum.(%) 23 C / 49 %

Time: 13/22/34

EUT: TABLET PC

Engineer Signature:

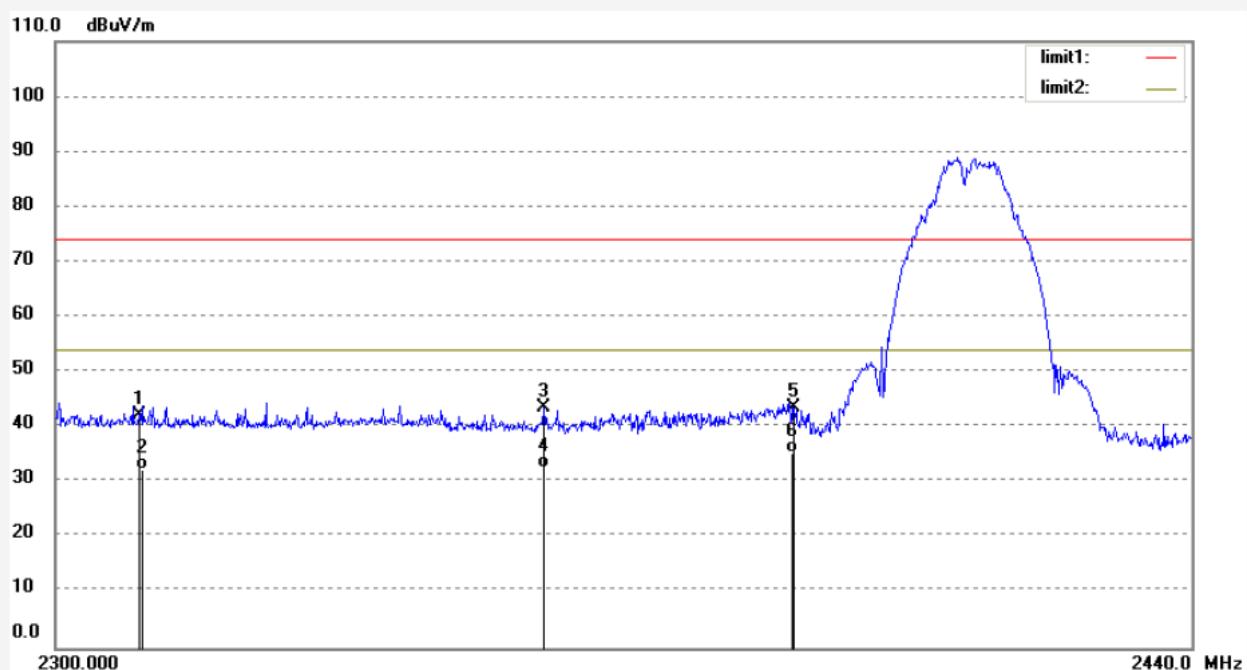
Mode: TX Channel 1(802.11b)

Distance: 3m

Model: GT10V

Manufacturer: EKEN(HK)

Note: Report No.:ATE20131532



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2310.000    | 49.97            | -7.81       | 42.16           | 74.00          | -31.84      | peak     |             |               |        |
| 2   | 2310.000    | 40.00            | -7.81       | 32.19           | 54.00          | -21.81      | AVG      |             |               |        |
| 3   | 2359.168    | 51.20            | -7.73       | 43.47           | 74.00          | -30.53      | peak     |             |               |        |
| 4   | 2359.168    | 40.28            | -7.73       | 32.55           | 54.00          | -21.45      | AVG      |             |               |        |
| 5   | 2390.000    | 51.04            | -7.53       | 43.51           | 74.00          | -30.49      | peak     |             |               |        |
| 6   | 2390.000    | 42.82            | -7.53       | 35.29           | 54.00          | -18.71      | AVG      |             |               |        |


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Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2559

Polarization: Vertical

Standard: FCC 15C PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/19/

Temp. ( C)/Hum.(%) 23 C / 49 %

Time: 13/27/41

EUT: TABLET PC

Engineer Signature:

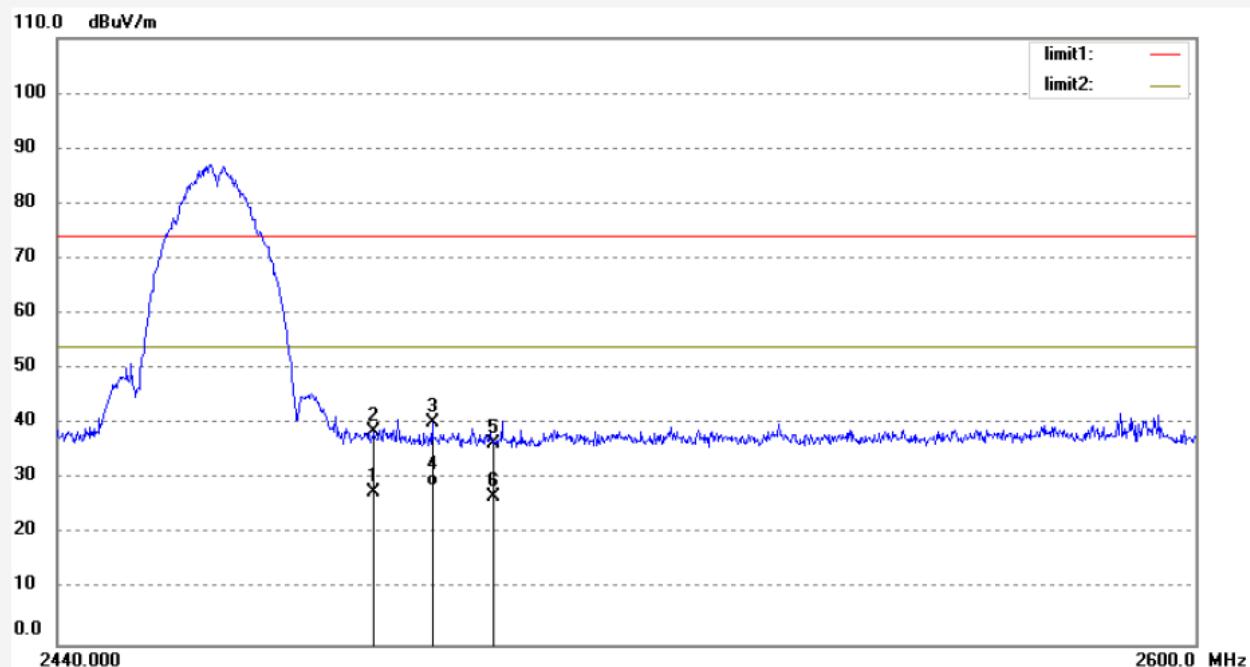
Mode: TX Channel 11(802.11b)

Distance: 3m

Model: GT10V

Manufacturer: EKEN(HK)

Note: Report No.:ATE20131532



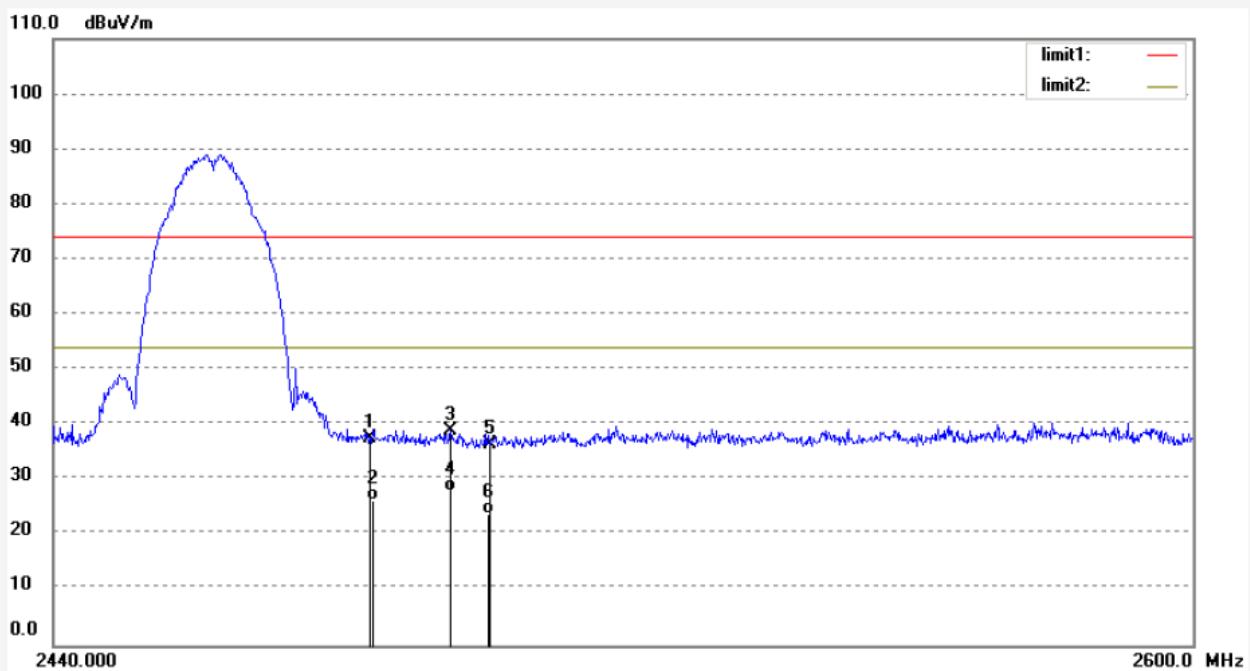
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2483.500    | 35.11            | -7.37       | 27.74           | 74.00          | -46.26      | peak     |             |               |        |
| 2   | 2483.500    | 45.88            | -7.37       | 38.51           | 74.00          | -35.49      | peak     |             |               |        |
| 3   | 2491.627    | 47.66            | -7.39       | 40.27           | 74.00          | -33.73      | peak     |             |               |        |
| 4   | 2491.627    | 36.18            | -7.39       | 28.79           | 54.00          | -25.21      | AVG      |             |               |        |
| 5   | 2500.000    | 43.96            | -7.40       | 36.56           | 74.00          | -37.44      | peak     |             |               |        |
| 6   | 2500.000    | 34.28            | -7.40       | 26.88           | 74.00          | -47.12      | peak     |             |               |        |


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 Site: 966 chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

|                               |                            |
|-------------------------------|----------------------------|
| Job No.: star #2560           | Polarization: Horizontal   |
| Standard: FCC 15C PK          | Power Source: AC 120V/60Hz |
| Test item: Radiation Test     | Date: 13/07/19/            |
| Temp.( C)/Hum.(%) 23 C / 49 % | Time: 13/32/24             |
| EUT: TABLET PC                | Engineer Signature:        |
| Mode: TX Channel 11(802.11b)  | Distance: 3m               |
| Model: GT10V                  |                            |
| Manufacturer: EKEN(HK)        |                            |
| Note: Report No.:ATE20131532  |                            |



| 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    | 44.87            | -7.37       | 37.50           | 74.00          | -36.50      | peak     |             |               |        |
| 2   | 2483.500    | 33.69            | -7.37       | 26.32           | 54.00          | -27.68      | AVG      |             |               |        |
| 3   | 2494.641    | 46.34            | -7.39       | 38.95           | 74.00          | -35.05      | peak     |             |               |        |
| 4   | 2494.641    | 35.28            | -7.39       | 27.89           | 54.00          | -26.11      | AVG      |             |               |        |
| 5   | 2500.000    | 43.81            | -7.40       | 36.41           | 74.00          | -37.59      | peak     |             |               |        |
| 6   | 2500.000    | 31.28            | -7.40       | 23.88           | 54.00          | -30.12      | AVG      |             |               |        |



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Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: star #2564

Polarization: Vertical

Standard: FCC 15C PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/19/

Temp.( C)/Hum.(%) 23 C / 49 %

Time: 13/48/54

EUT: TABLET PC

Engineer Signature:

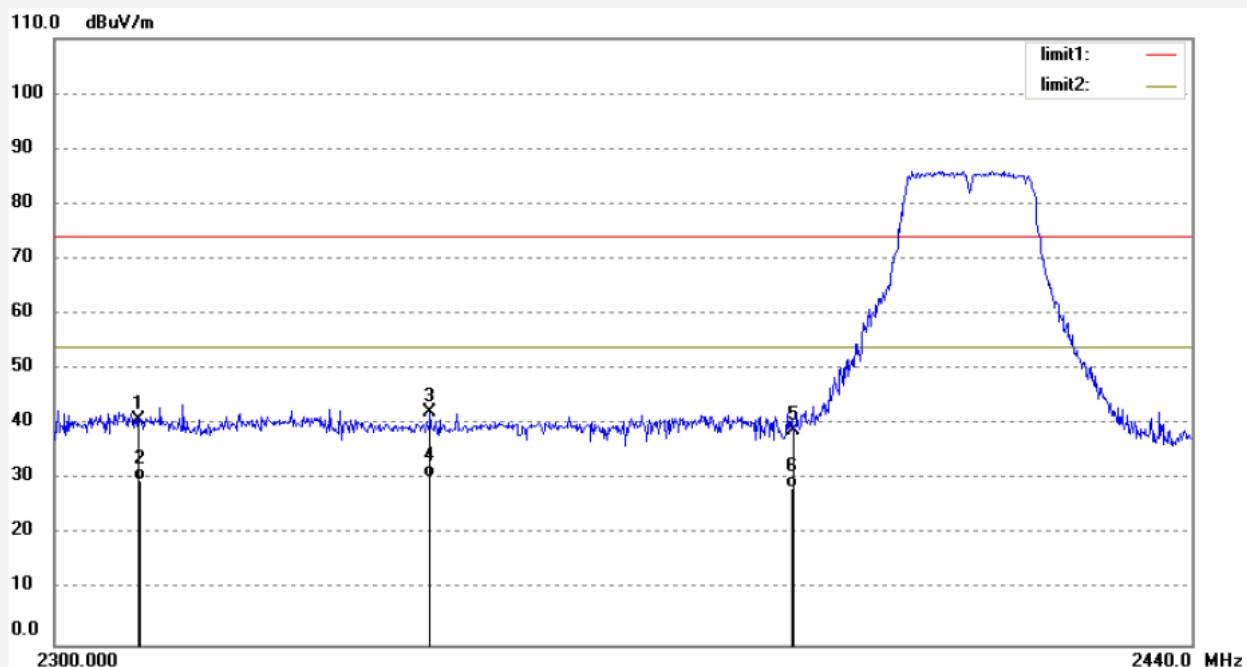
Mode: TX Channel 1(802.11g)

Distance: 3m

Model: GT10V

Manufacturer: EKEN(HK)

Note: Report No.:ATE20131532



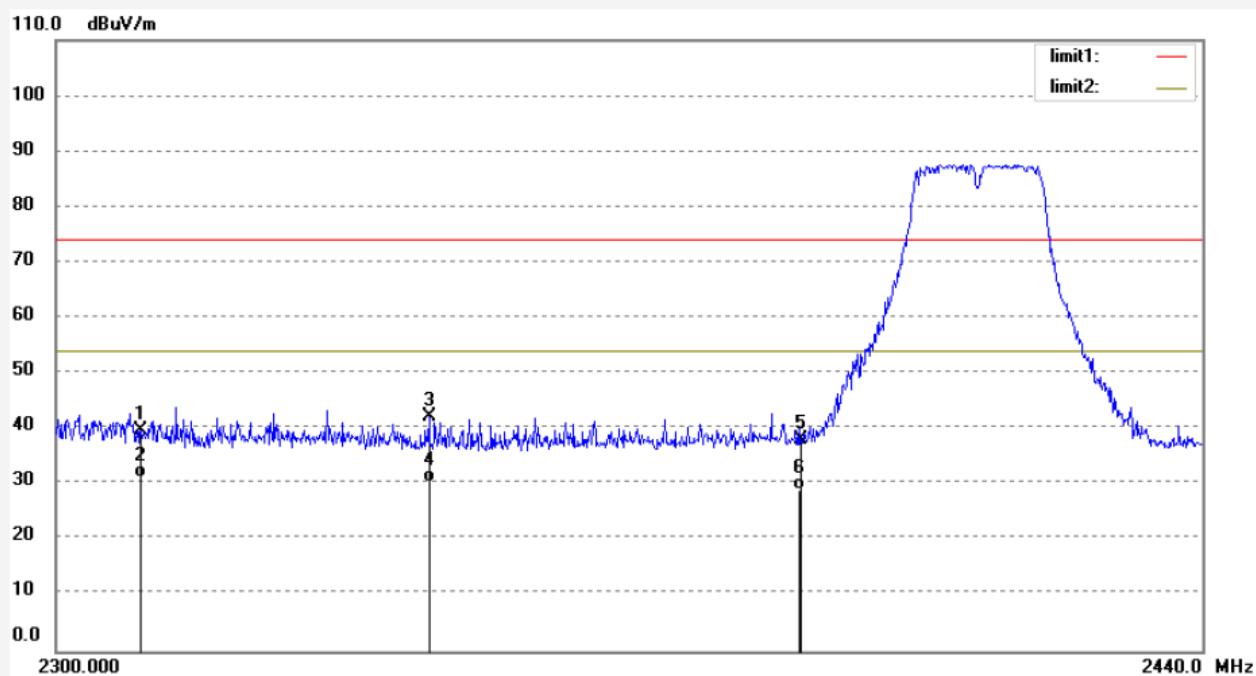
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2310.000    | 48.53            | -7.81       | 40.72           | 74.00          | -33.28      | peak     |             |               |        |
| 2   | 2310.000    | 37.61            | -7.81       | 29.80           | 54.00          | -24.20      | AVG      |             |               |        |
| 3   | 2345.380    | 50.02            | -7.79       | 42.23           | 74.00          | -31.77      | peak     |             |               |        |
| 4   | 2345.380    | 38.29            | -7.79       | 30.50           | 54.00          | -23.50      | AVG      |             |               |        |
| 5   | 2390.000    | 46.54            | -7.53       | 39.01           | 74.00          | -34.99      | peak     |             |               |        |
| 6   | 2390.000    | 35.91            | -7.53       | 28.38           | 54.00          | -25.62      | AVG      |             |               |        |


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

 Site: 966 chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

|                               |                            |
|-------------------------------|----------------------------|
| Job No.: star #2565           | Polarization: Horizontal   |
| Standard: FCC 15C PK          | Power Source: AC 120V/60Hz |
| Test item: Radiation Test     | Date: 13/07/19/            |
| Temp.( C)/Hum.(%) 23 C / 49 % | Time: 13/52/31             |
| EUT: TABLET PC                | Engineer Signature:        |
| Mode: TX Channel 1(802.11g)   | Distance: 3m               |
| Model: GT10V                  |                            |
| Manufacturer: EKEN(HK)        |                            |
| Note: Report No.:ATE20131532  |                            |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2310.000    | 47.47            | -7.81       | 39.66           | 74.00          | -34.34      | peak     |             |               |        |
| 2   | 2310.000    | 38.91            | -7.81       | 31.10           | 54.00          | -22.90      | AVG      |             |               |        |
| 3   | 2344.686    | 49.93            | -7.79       | 42.14           | 74.00          | -31.86      | peak     |             |               |        |
| 4   | 2344.686    | 38.22            | -7.79       | 30.43           | 54.00          | -23.57      | AVG      |             |               |        |
| 5   | 2390.000    | 45.66            | -7.53       | 38.13           | 74.00          | -35.87      | peak     |             |               |        |
| 6   | 2390.000    | 36.43            | -7.53       | 28.90           | 54.00          | -25.10      | AVG      |             |               |        |


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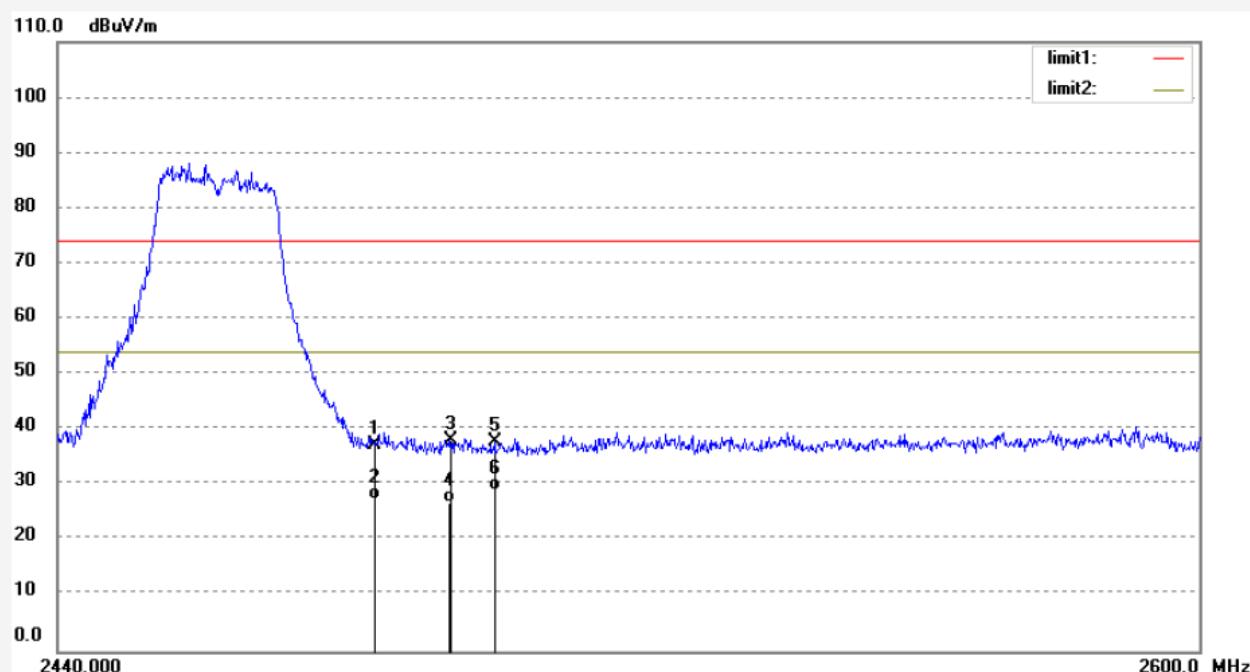
 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

 Site: 966 chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

 Job No.: star #2562  
 Standard: FCC 15C PK  
 Test item: Radiation Test  
 Temp.( C)/Hum.(%) 23 C / 49 %  
 EUT: TABLET PC  
 Mode: TX Channel 11(802.11g)  
 Model: GT10V  
 Manufacturer: EKEN(HK)

 Polarization: Horizontal  
 Power Source: AC 120V/60Hz  
 Date: 13/07/19/  
 Time: 13:38:10  
 Engineer Signature:  
 Distance: 3m

Note: Report No.:ATE20131532



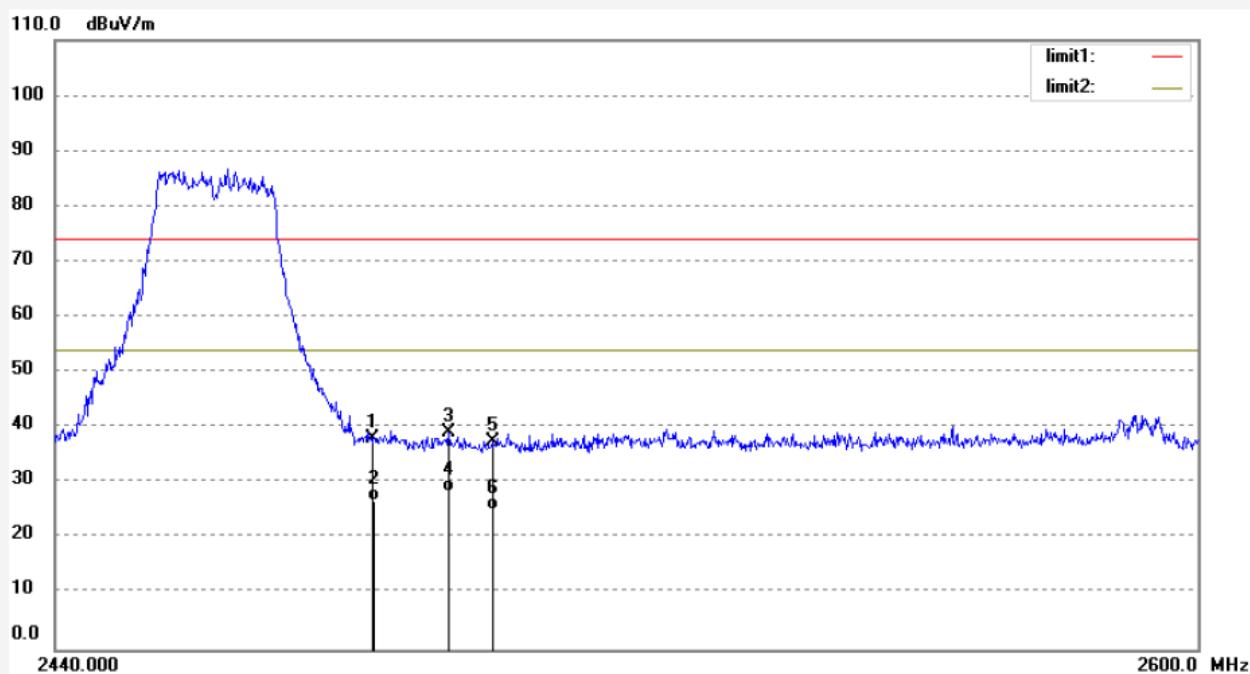
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2483.500    | 44.50            | -7.37       | 37.13           | 74.00          | -36.87      | peak     |             |               |        |
| 2   | 2483.500    | 34.67            | -7.37       | 27.30           | 54.00          | -26.70      | AVG      |             |               |        |
| 3   | 2493.848    | 45.47            | -7.40       | 38.07           | 74.00          | -35.93      | peak     |             |               |        |
| 4   | 2493.848    | 34.19            | -7.40       | 26.79           | 54.00          | -27.21      | AVG      |             |               |        |
| 5   | 2500.000    | 45.21            | -7.40       | 37.81           | 74.00          | -36.19      | peak     |             |               |        |
| 6   | 2500.000    | 36.48            | -7.40       | 29.08           | 54.00          | -24.92      | AVG      |             |               |        |


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 Site: 966 chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

|                               |                            |
|-------------------------------|----------------------------|
| Job No.: star #2563           | Polarization: Vertical     |
| Standard: FCC 15C PK          | Power Source: AC 120V/60Hz |
| Test item: Radiation Test     | Date: 13/07/19/            |
| Temp.( C)/Hum.(%) 23 C / 49 % | Time: 13/44/42             |
| EUT: TABLET PC                | Engineer Signature:        |
| Mode: TX Channel 11(802.11g)  | Distance: 3m               |
| Model: GT10V                  |                            |
| Manufacturer: EKEN(HK)        |                            |
| Note: Report No.:ATE20131532  |                            |



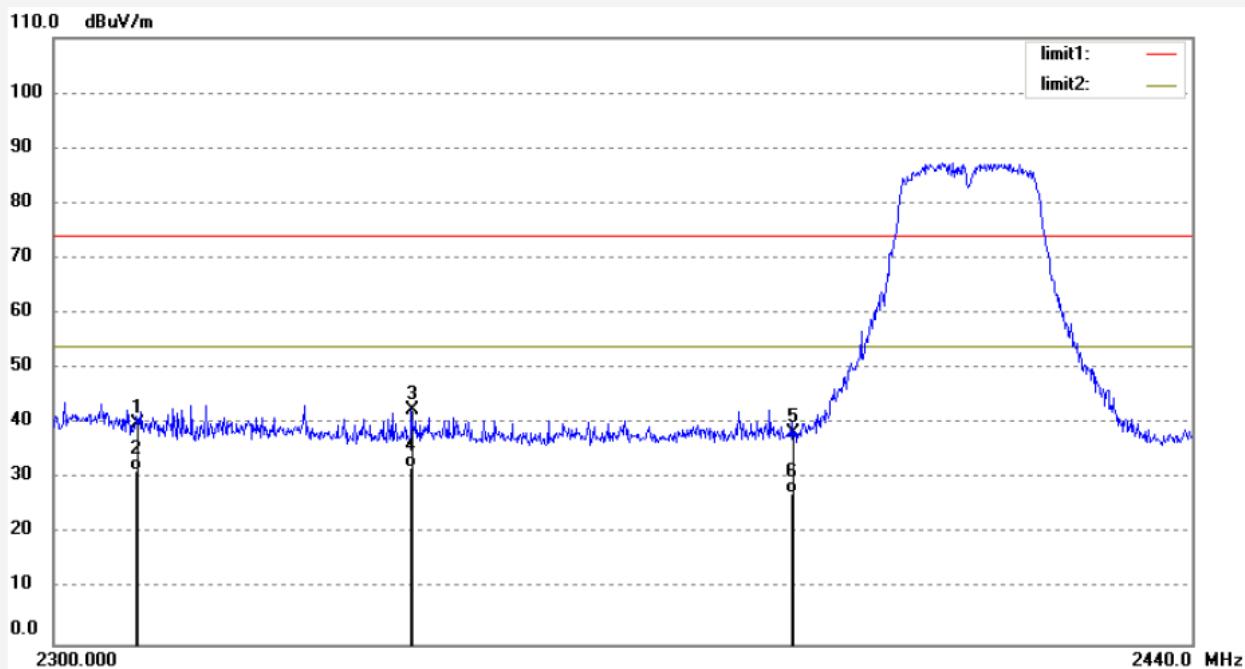
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2483.500    | 45.47            | -7.37       | 38.10           | 74.00          | -35.90      | peak     |             |               |        |
| 2   | 2483.500    | 34.17            | -7.37       | 26.80           | 54.00          | -27.20      | AVG      |             |               |        |
| 3   | 2494.006    | 46.64            | -7.40       | 39.24           | 74.00          | -34.76      | peak     |             |               |        |
| 4   | 2494.006    | 35.91            | -7.40       | 28.51           | 54.00          | -25.49      | AVG      |             |               |        |
| 5   | 2500.000    | 44.82            | -7.40       | 37.42           | 74.00          | -36.58      | peak     |             |               |        |
| 6   | 2500.000    | 32.58            | -7.40       | 25.18           | 54.00          | -28.82      | AVG      |             |               |        |


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

 Site: 966 chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

|                   |                        |                     |              |
|-------------------|------------------------|---------------------|--------------|
| Job No.:          | star #2566             | Polarization:       | Horizontal   |
| Standard:         | FCC 15C PK             | Power Source:       | AC 120V/60Hz |
| Test item:        | Radiation Test         | Date:               | 13/07/19/    |
| Temp.( C)/Hum.(%) | 23 C / 49 %            | Time:               | 13/58/23     |
| EUT:              | TABLET PC              | Engineer Signature: |              |
| Mode:             | TX Channel 1(802.11n)  | Distance:           | 3m           |
| Model:            | GT10V                  |                     |              |
| Manufacturer:     | EKEN(HK)               |                     |              |
| Note:             | Report No.:ATE20131532 |                     |              |



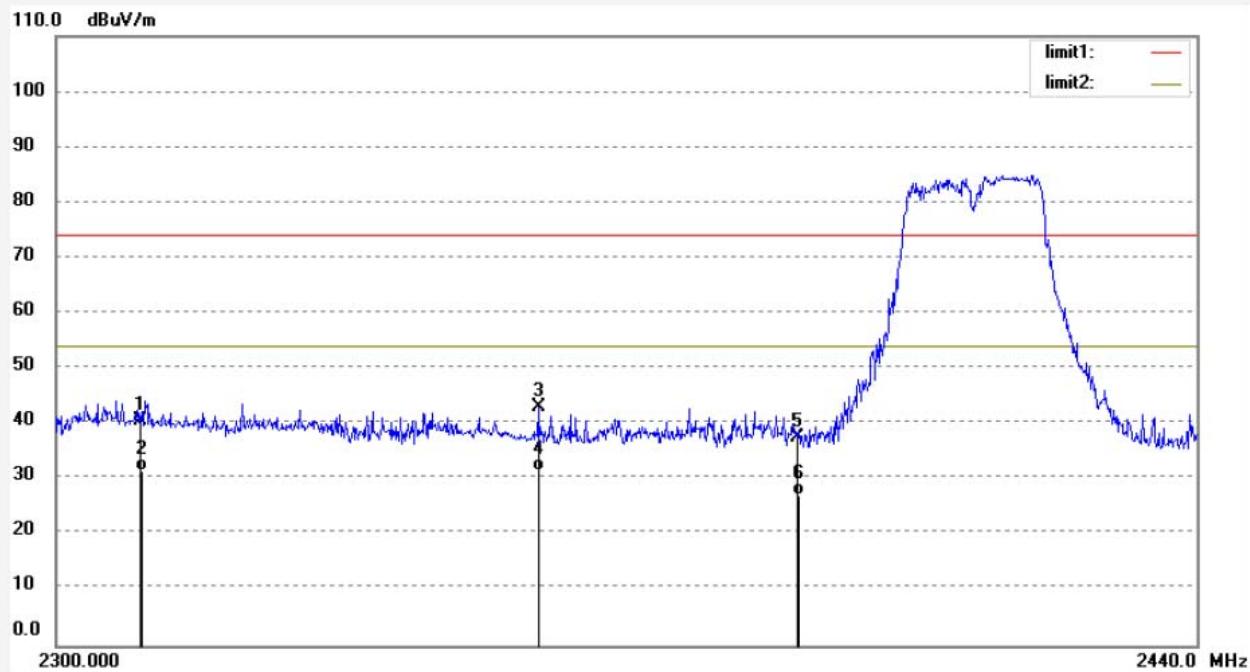
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2310.000    | 47.88            | -7.81       | 40.07           | 74.00          | -33.93      | peak     |             |               |        |
| 2   | 2310.000    | 39.24            | -7.81       | 31.43           | 54.00          | -22.57      | AVG      |             |               |        |
| 3   | 2343.160    | 50.17            | -7.79       | 42.38           | 74.00          | -31.62      | peak     |             |               |        |
| 4   | 2343.160    | 39.88            | -7.79       | 32.09           | 54.00          | -21.91      | AVG      |             |               |        |
| 5   | 2390.000    | 45.76            | -7.53       | 38.23           | 74.00          | -35.77      | peak     |             |               |        |
| 6   | 2390.000    | 34.81            | -7.53       | 27.28           | 54.00          | -26.72      | AVG      |             |               |        |


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 Site: 966 chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

|                               |                            |
|-------------------------------|----------------------------|
| Job No.: star #2567           | Polarization: Vertical     |
| Standard: FCC 15C PK          | Power Source: AC 120V/60Hz |
| Test item: Radiation Test     | Date: 13/07/19/            |
| Temp.( C)/Hum.(%) 23 C / 49 % | Time: 14/03/14             |
| EUT: TABLET PC                | Engineer Signature:        |
| Mode: TX Channel 1(802.11n)   | Distance: 3m               |
| Model: GT10V                  |                            |
| Manufacturer: EKEN(HK)        |                            |
| Note: Report No.:ATE20131532  |                            |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2310.000    | 48.26            | -7.81       | 40.45           | 74.00          | -33.55      | peak     |             |               |        |
| 2   | 2310.000    | 39.33            | -7.81       | 31.52           | 54.00          | -22.48      | AVG      |             |               |        |
| 3   | 2358.191    | 50.86            | -7.74       | 43.12           | 74.00          | -30.88      | peak     |             |               |        |
| 4   | 2358.191    | 39.36            | -7.74       | 31.62           | 54.00          | -22.38      | AVG      |             |               |        |
| 5   | 2390.000    | 44.94            | -7.53       | 37.41           | 74.00          | -36.59      | peak     |             |               |        |
| 6   | 2390.000    | 34.58            | -7.53       | 27.05           | 54.00          | -26.95      | AVG      |             |               |        |



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Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: star #2568

Polarization: Vertical

Standard: FCC 15C PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/19/

Temp.( C)/Hum.(%) 23 C / 49 %

Time: 14/10/25

EUT: TABLET PC

Engineer Signature:

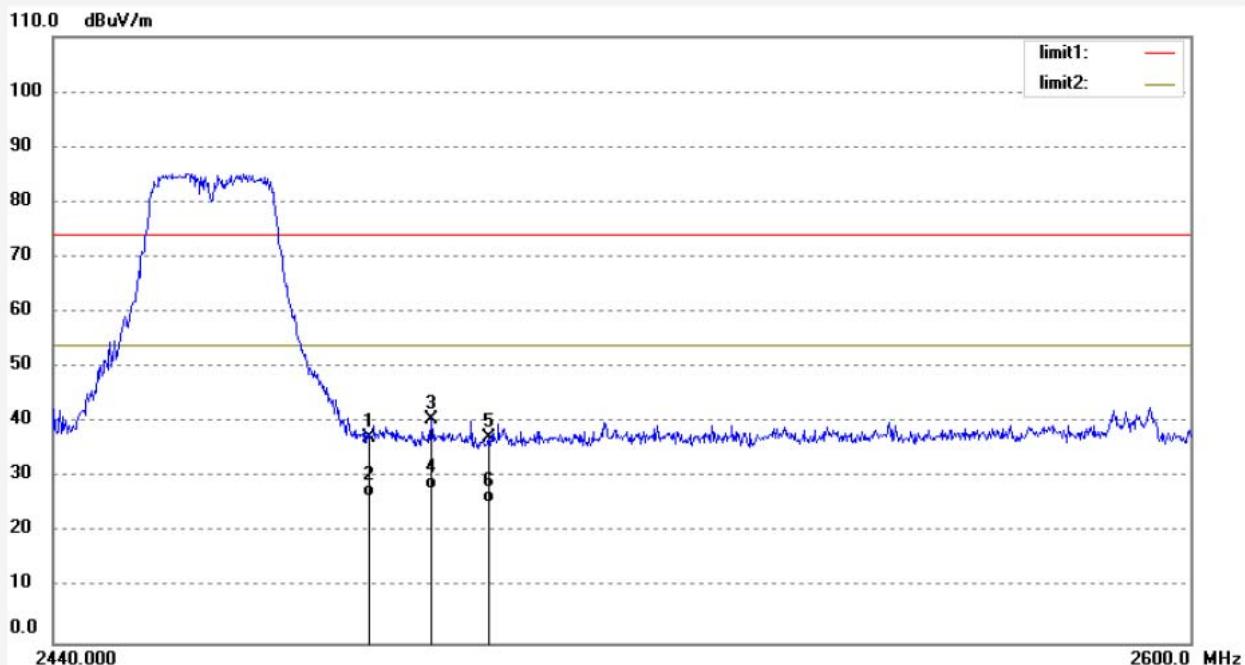
Mode: TX Channel 11(802.11n)

Distance: 3m

Model: GT10V

Manufacturer: EKEN(HK)

Note: Report No.:ATE20131532



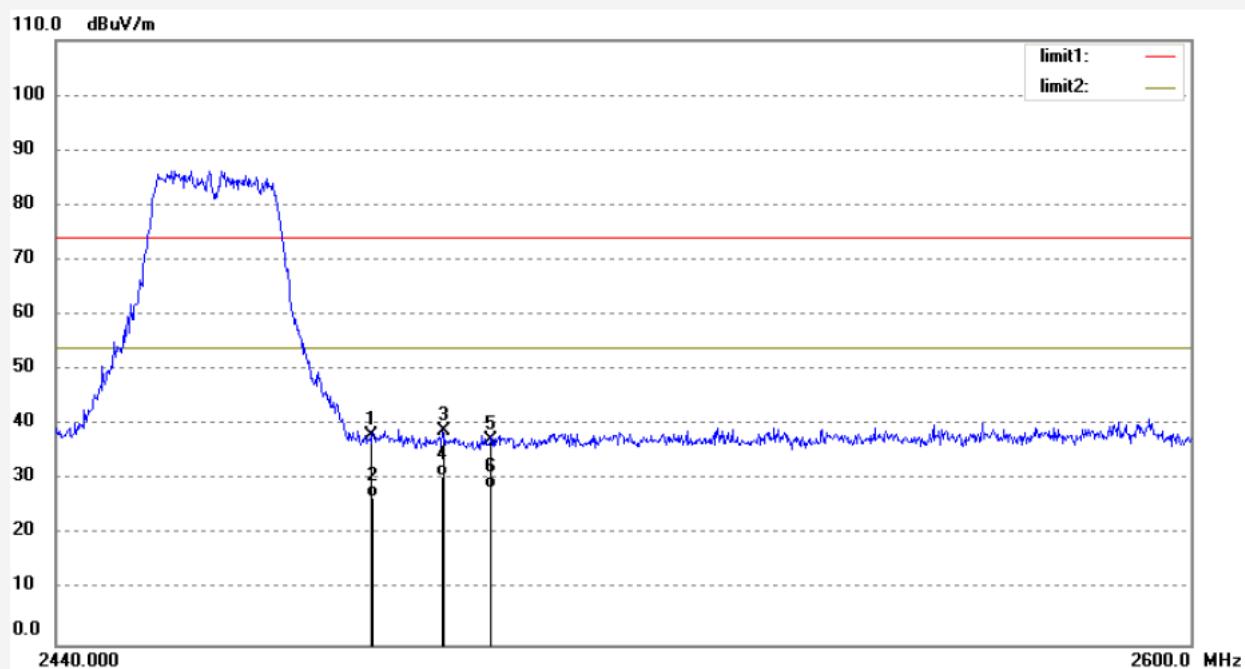
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2483.500    | 44.77            | -7.37       | 37.40           | 74.00          | -36.60      | peak     |             |               |        |
| 2   | 2483.500    | 33.80            | -7.37       | 26.43           | 54.00          | -27.57      | AVG      |             |               |        |
| 3   | 2492.102    | 48.02            | -7.39       | 40.63           | 74.00          | -33.37      | peak     |             |               |        |
| 4   | 2492.102    | 35.17            | -7.39       | 27.78           | 54.00          | -26.22      | AVG      |             |               |        |
| 5   | 2500.000    | 44.65            | -7.40       | 37.25           | 74.00          | -36.75      | peak     |             |               |        |
| 6   | 2500.000    | 32.93            | -7.40       | 25.53           | 54.00          | -28.47      | AVG      |             |               |        |


**ACCURATE TECHNOLOGY CO., LTD.**

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

 Site: 966 chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

|                               |                            |
|-------------------------------|----------------------------|
| Job No.: star #2569           | Polarization: Horizontal   |
| Standard: FCC 15C PK          | Power Source: AC 120V/60Hz |
| Test item: Radiation Test     | Date: 13/07/19/            |
| Temp.( C)/Hum.(%) 23 C / 49 % | Time: 14/15/12             |
| EUT: TABLET PC                | Engineer Signature:        |
| Mode: TX Channel 11(802.11n)  | Distance: 3m               |
| Model: GT10V                  |                            |
| Manufacturer: EKEN(HK)        |                            |
| Note: Report No.:ATE20131532  |                            |



| 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    | 45.40            | -7.37       | 38.03           | 74.00          | -35.97      | peak     |             |               |        |
| 2   | 2483.500    | 34.28            | -7.37       | 26.91           | 54.00          | -27.09      | AVG      |             |               |        |
| 3   | 2493.372    | 46.17            | -7.39       | 38.78           | 74.00          | -35.22      | peak     |             |               |        |
| 4   | 2493.372    | 37.92            | -7.39       | 30.53           | 54.00          | -23.47      | AVG      |             |               |        |
| 5   | 2500.000    | 44.68            | -7.40       | 37.28           | 74.00          | -36.72      | peak     |             |               |        |
| 6   | 2500.000    | 35.91            | -7.40       | 28.51           | 54.00          | -25.49      | AVG      |             |               |        |



# ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: star #2572

Polarization: Vertical

Standard: FCC 15C PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/19/

Temp. ( C )/Hum.(%) 23 C / 49 %

Time: 14/33/52

EUT: TABLET PC

Engineer Signature:

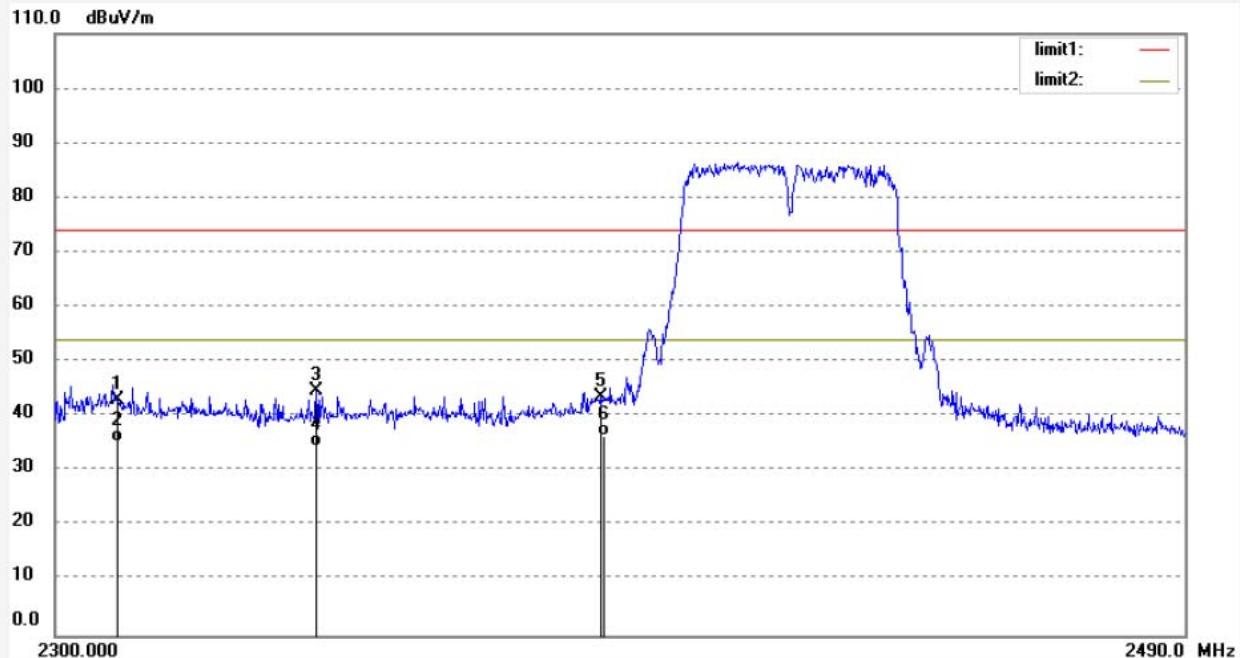
Mode: TX Channel 3(802.11n)40MHz

Distance: 3m

Model: GT10V

Manufacturer: EKEN(HK)

Note: Report No.:ATE20131532



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2310.000    | 50.94            | -7.81       | 43.13           | 74.00          | -30.87      | peak     |             |               |        |
| 2   | 2310.000    | 43.08            | -7.81       | 35.27           | 54.00          | -18.73      | AVG      |             |               |        |
| 3   | 2342.646    | 52.49            | -7.79       | 44.70           | 74.00          | -29.30      | peak     |             |               |        |
| 4   | 2342.646    | 42.18            | -7.79       | 34.39           | 54.00          | -19.61      | AVG      |             |               |        |
| 5   | 2390.000    | 51.17            | -7.53       | 43.64           | 74.00          | -30.36      | peak     |             |               |        |
| 6   | 2390.000    | 43.99            | -7.53       | 36.46           | 54.00          | -17.54      | AVG      |             |               |        |


**ACCURATE TECHNOLOGY CO., LTD.**

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

 Site: 966 chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: star #2573

Polarization: Horizontal

Standard: FCC 15C PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/19/

Temp.( C)/Hum.(%) 23 C / 49 %

Time: 14/39/42

EUT: TABLET PC

Engineer Signature:

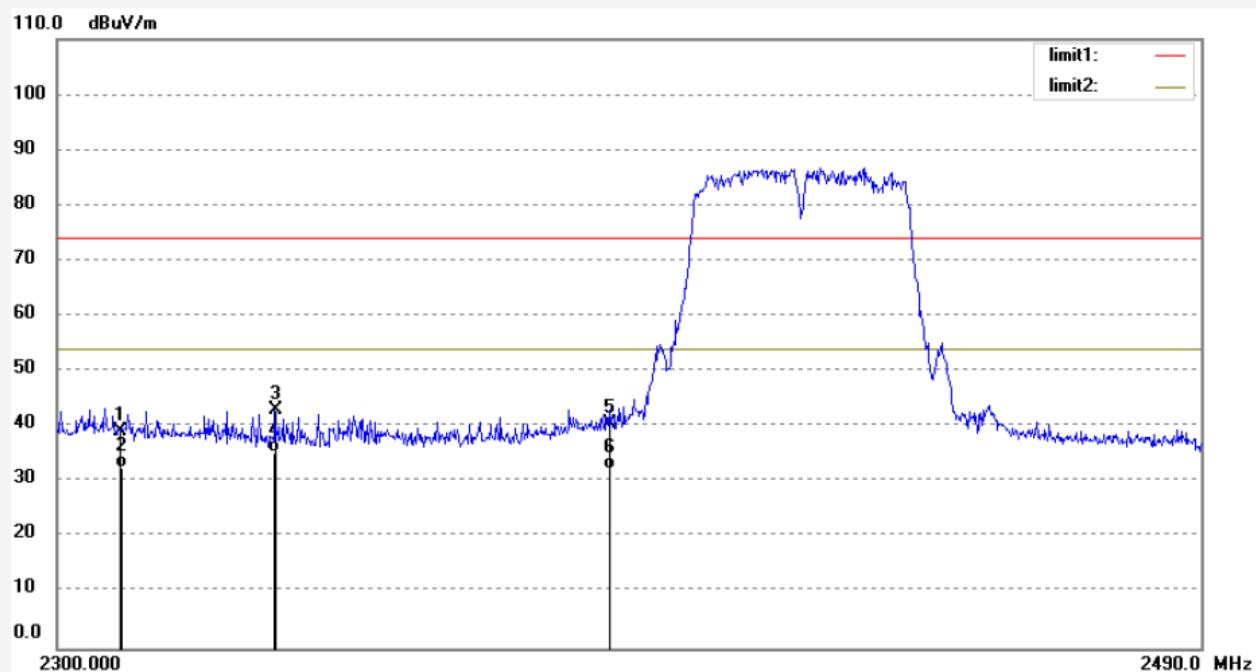
Mode: TX Channel 3(802.11n)40MHz

Distance: 3m

Model: GT10V

Manufacturer: EKEN(HK)

Note: Report No.:ATE20131532



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2310.000    | 47.08            | -7.81       | 39.27           | 74.00          | -34.73      | peak     |             |               |        |
| 2   | 2310.000    | 40.28            | -7.81       | 32.47           | 54.00          | -21.53      | AVG      |             |               |        |
| 3   | 2335.020    | 50.71            | -7.80       | 42.91           | 74.00          | -31.09      | peak     |             |               |        |
| 4   | 2335.020    | 43.17            | -7.80       | 35.37           | 54.00          | -18.63      | AVG      |             |               |        |
| 5   | 2390.000    | 47.97            | -7.53       | 40.44           | 74.00          | -33.56      | peak     |             |               |        |
| 6   | 2390.000    | 39.83            | -7.53       | 32.30           | 54.00          | -21.70      | AVG      |             |               |        |


**ACCURATE TECHNOLOGY CO., LTD.**

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

 Site: 966 chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: star #2570

Polarization: Horizontal

Standard: FCC 15C PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/19/

Temp.( C)/Hum.(%) 23 C / 49 %

Time: 14/21/19

EUT: TABLET PC

Engineer Signature:

Mode: TX Channel 9(802.11n)40MHz

Distance: 3m

Model: GT10V

Manufacturer: EKEN(HK)

Note: Report No.:ATE20131532



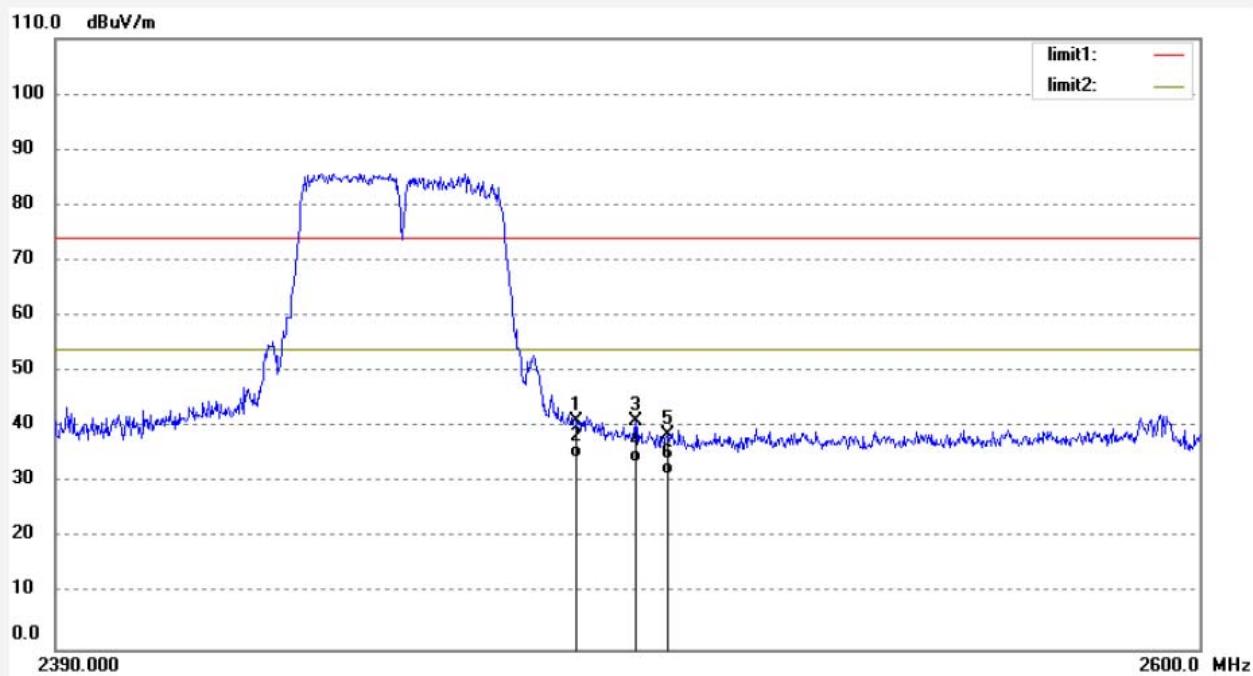
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2483.500    | 44.87            | -7.37       | 37.50           | 74.00          | -36.50      | peak     |             |               |        |
| 2   | 2483.500    | 35.17            | -7.37       | 27.80           | 54.00          | -26.20      | AVG      |             |               |        |
| 3   | 2494.262    | 46.29            | -7.39       | 38.90           | 74.00          | -35.10      | peak     |             |               |        |
| 4   | 2494.262    | 36.99            | -7.39       | 29.60           | 54.00          | -24.40      | AVG      |             |               |        |
| 5   | 2500.000    | 44.48            | -7.40       | 37.08           | 74.00          | -36.92      | peak     |             |               |        |
| 6   | 2500.000    | 33.55            | -7.40       | 26.15           | 54.00          | -27.85      | AVG      |             |               |        |


**ACCURATE TECHNOLOGY CO., LTD.**

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

 Site: 966 chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

|                                  |                            |
|----------------------------------|----------------------------|
| Job No.: star #2571              | Polarization: Vertical     |
| Standard: FCC 15C PK             | Power Source: AC 120V/60Hz |
| Test item: Radiation Test        | Date: 13/07/19/            |
| Temp.( C)/Hum.(%) 23 C / 49 %    | Time: 14/27/55             |
| EUT: TABLET PC                   | Engineer Signature:        |
| Mode: TX Channel 9(802.11n)40MHz | Distance: 3m               |
| Model: GT10V                     |                            |
| Manufacturer: EKEN(HK)           |                            |
| Note: Report No.:ATE20131532     |                            |

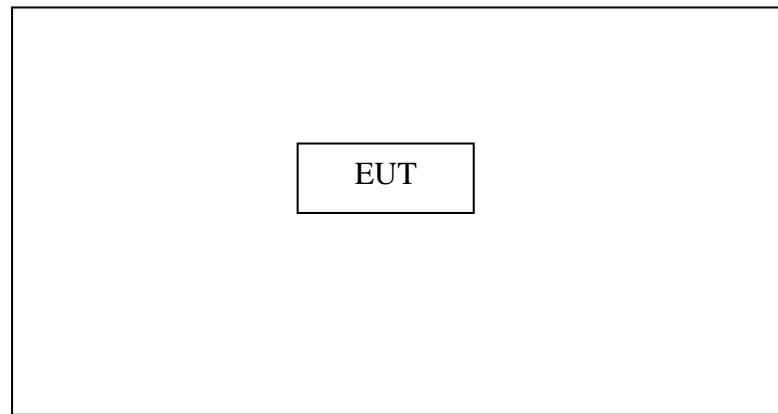


| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2483.500    | 48.40            | -7.37       | 41.03           | 74.00          | -32.97      | peak     |             |               |        |
| 2   | 2483.500    | 41.89            | -7.37       | 34.52           | 54.00          | -19.48      | AVG      |             |               |        |
| 3   | 2494.262    | 48.52            | -7.39       | 41.13           | 74.00          | -32.87      | peak     |             |               |        |
| 4   | 2494.262    | 41.00            | -7.39       | 33.61           | 54.00          | -20.39      | AVG      |             |               |        |
| 5   | 2500.000    | 46.08            | -7.40       | 38.68           | 74.00          | -35.32      | peak     |             |               |        |
| 6   | 2500.000    | 38.91            | -7.40       | 31.51           | 54.00          | -22.49      | AVG      |             |               |        |

## 9. RADIATED SPURIOUS EMISSION TEST

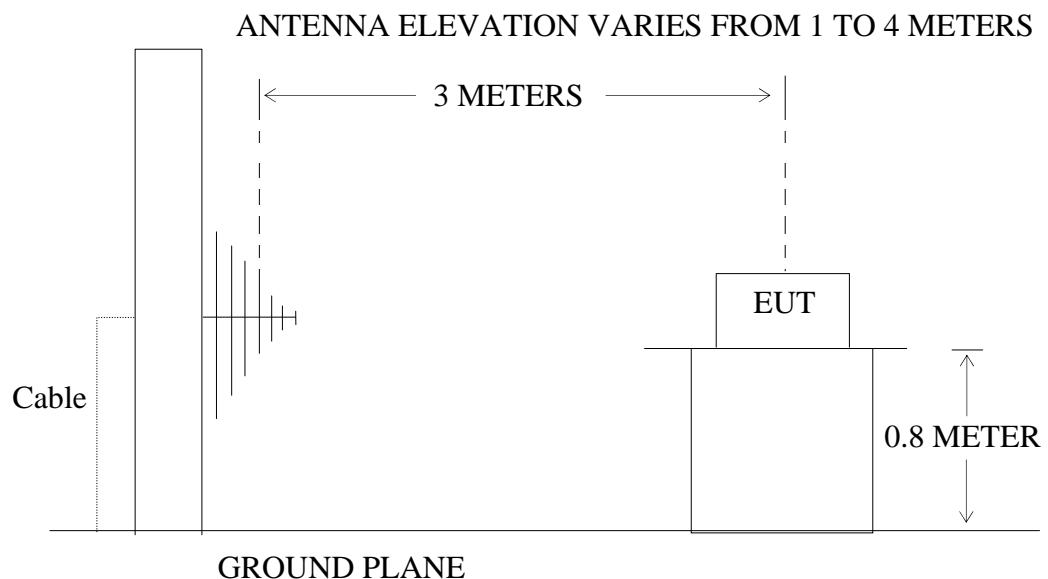
### 9.1. Block Diagram of Test Setup

#### 9.1.1. Block diagram of connection between the EUT and peripherals



Setup: Transmitting mode

#### 9.1.2. Semi-Anechoic Chamber Test Setup Diagram



### 9.2. The Limit For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the

transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

### 9.3. Restricted bands of operation

#### 9.3.1. FCC Part 15.205 Restricted bands of operation

(a) Except as shown in paragraph (d) of this section, Only spurious emissions are permitted in any of the frequency bands listed below:

| MHz                      | MHz                 | MHz           | GHz              |
|--------------------------|---------------------|---------------|------------------|
| 0.090-0.110              | 16.42-16.423        | 399.9-410     | 4.5-5.15         |
| <sup>1</sup> 0.495-0.505 | 16.69475-16.69525   | 608-614       | 5.35-5.46        |
| 2.1735-2.1905            | 16.80425-16.80475   | 960-1240      | 7.25-7.75        |
| 4.125-4.128              | 25.5-25.67          | 1300-1427     | 8.025-8.5        |
| 4.17725-4.17775          | 37.5-38.25          | 1435-1626.5   | 9.0-9.2          |
| 4.20725-4.20775          | 73-74.6             | 1645.5-1646.5 | 9.3-9.5          |
| 6.215-6.218              | 74.8-75.2           | 1660-1710     | 10.6-12.7        |
| 6.26775-6.26825          | 108-121.94          | 1718.8-1722.2 | 13.25-13.4       |
| 6.31175-6.31225          | 123-138             | 2200-2300     | 14.47-14.5       |
| 8.291-8.294              | 149.9-150.05        | 2310-2390     | 15.35-16.2       |
| 8.362-8.366              | 156.52475-156.52525 | 2483.5-2500   | 17.7-21.4        |
| 8.37625-8.38675          | 156.7-156.9         | 2690-2900     | 22.01-23.12      |
| 8.41425-8.41475          | 162.0125-167.17     | 3260-3267     | 23.6-24.0        |
| 12.29-12.293             | 167.72-173.2        | 3332-3339     | 31.2-31.8        |
| 12.51975-12.52025        | 240-285             | 3345.8-3358   | 36.43-36.5       |
| 12.57675-12.57725        | 322-335.4           | 3600-4400     | ( <sup>2</sup> ) |
| 13.36-13.41              |                     |               |                  |

<sup>1</sup>Until February 1, 1999, this restricted band shall be 0.490-0.510

<sup>2</sup>Above 38.6

(b) Except as provided in paragraphs (d) and (e), the field strength of emission appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000MHz, Compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

### 9.4. Configuration of EUT on Measurement

The equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

### 9.5. Operating Condition of EUT

9.5.1. Setup the EUT and simulator as shown as Section 9.1.

9.5.2. Turn on the power of all equipment.

9.5.3. Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.

## 9.6. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2009 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

The worst-case data rate for this channel to be 1Mbps for 802.11b mode and 6Mbps for 802.11g mode and 150Mbps for 802.11n mode, based on previous with 802.11 WLAN product design architectures.

The bandwidth of test receiver is set at 9kHz in below 30MHz. and set at 120kHz in 30-1000MHz, and 1MHz in above 1000MHz.

The frequency range from 9kHz to 25GHz is checked.

The final measurement in band 9-90kHz, 110-490kHz and above 1000MHz is performed with Average detector. Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.

The field strength is calculated by adding the antenna factor, and cable loss, and subtracting the amplifier gain from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

## 9.7. The Field Strength of Radiation Emission Measurement Results

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. \*: Denotes restricted band of operation.

3. The fundamental radiated emissions were reduced by Band Reject Filter in the attached plots.

4. The EUT is tested radiation emission at each test mode(802.11 b/g/n) in three axes. The worst emissions are reported in all test mode and channels.

5. The 18-25GHz emissions are not reported, because the levels are too low against the limit.

Below 1G