

APPLICATION CERTIFICATION FCC Part 15C  
On Behalf of  
HONG KONG NATURAL SOUND ELECTRONICS LIMITED

MID  
Model No.: PC435, Eclipse-4.3 MID 4.0C

FCC ID: PWK-PC435

Prepared for : HONG KONG NATURAL SOUND ELECTRONICS  
LIMITED

Address : FLAT/RM M 4/F CONTINENTAL MANSION 300  
KING'S ROAD HONG KONG

Prepared by : ACCURATE TECHNOLOGY CO., LTD

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Report Number : ATE20122303

Date of Test : September 28-October 26, 2012

Date of Report : October 26, 2012

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# Test Report Certification

Applicant : HONG KONG NATURAL SOUND ELECTRONICS LIMITED  
 Manufacturer : Shenzhen Natural Sound Electronics Co., Ltd.  
 EUT Description : MID  
 (A) MODEL NO.: PC435, Eclipse-4.3 MID 4.0C  
 (B) SERIAL NO.: N/A  
 (C) POWER SUPPLY: DC 3.7V (Li-polymer battery) & DC 5V (Power by PC)

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 October 04, 2012 KDB558074 D01 DTS Meas Guidance v02 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 : September 28-October 26, 2012

Prepared by : Apple Lv  
 (Engineer)

Approved & Authorized Signer : [Signature]  
 (Manager)

# 1. GENERAL INFORMATION

## 1.1. Description of Device (EUT)

EUT	:	MID
Model Number	:	PC435, Eclipse-4.3 MID 4.0C (Note: These samples are same except for the appearance is difference. So we prepare the PC435 for FCC test.)
Frequency Range	:	802.11b/g/n(20MHz): 2412-2462MHz 802.11n(40MHz): 2422-2452MHz
Number of Channels	:	802.11b/g/n (20MHz):11 802.11n (40MHz): 7
Antenna Gain	:	0dBi
Power Supply	:	DC 3.7V (Li-polymer battery) & DC 5V (Power by PC)
Data Rate	:	802.11b: 11, 5.5, 2, 1 Mbps 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps 802.11n: up to 150Mbps
Applicant	:	HONG KONG NATURAL SOUND ELECTRONICS LIMITED
Address	:	FLAT/RM M 4/F CONTINENTAL MANSION 300 KING'S ROAD HONG KONG
Manufacturer	:	Shenzhen Natural Sound Electronics Co., Ltd.
Address	:	4 <sup>th</sup> Building, Xinyuan Industrial Zone, Gushu Village, Bao'an District, Shenzhen, China
Date of sample received	:	September 28, 2012
Date of Test	:	September 28-October 26, 2012

## 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. Test Procedure

The EUT was tested according to DTS test procedure of October 04, 2012 KDB558074 D01 DTS Meas Guidance v02 for compliance to FCC 47CFR 15.247 requirements

## 1.4. Special Accessory and Auxiliary Equipment

### 1.4.1. PC

Notebook PC : Manufacturer: SONY  
M/N: PCG-663P  
S/N: 28123170 7202526

### 1.4.2. Printer

Printer : Manufacturer: Canon  
M/N: BJC-1000SP  
S/N: N/A

### 1.5. 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

### 1.6. 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. 8, 2012	Jan. 7, 2013
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 8, 2012	Jan. 7, 2013
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 8, 2012	Jan. 7, 2013
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 8, 2012	Jan. 7, 2013
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 8, 2012	Jan. 7, 2013
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 8, 2012	Jan. 7, 2013
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 8, 2012	Jan. 7, 2013
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 8, 2012	Jan. 7, 2013
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 8, 2012	Jan. 7, 2013
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 8, 2012	Jan. 7, 2013
Highpass Filter	Wainwright Instruments	WHKX3.6/18 G-10SS	N/A	Jan. 8, 2012	Jan. 7, 2013
Band Reject Filter	Wainwright Instruments	WRCG2400/2 485-2375/2510 -60/11SS	N/A	Jan. 8, 2012	Jan. 7, 2013



### **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 (Connect to PC)**

### 3.2. Configuration and peripherals

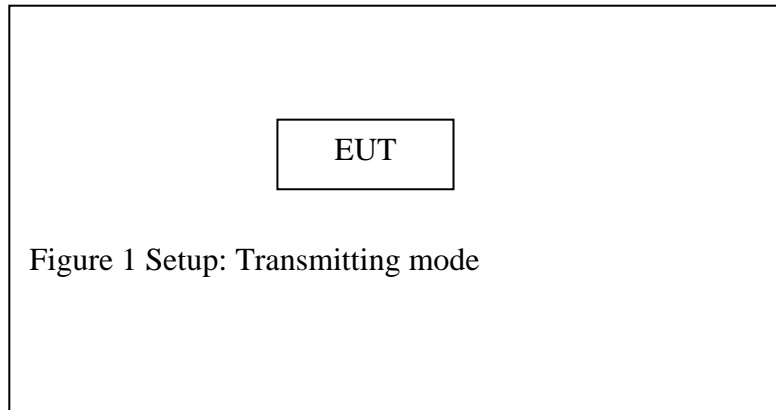


Figure 1 Setup: Transmitting mode

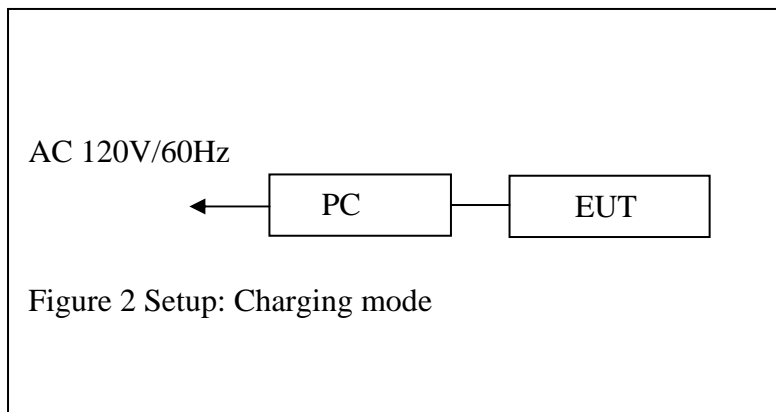


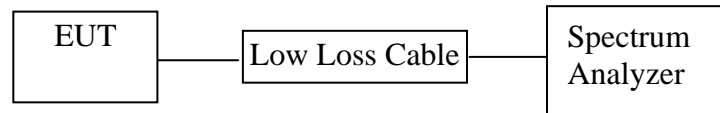
Figure 2 Setup: Charging mode

#### 4. TEST PROCEDURES AND RESULTS

<b>FCC Rules</b>	<b>Description of Test</b>	<b>Result</b>
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) 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



(EUT: MID)

### 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 following 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.

#### 5.3.1. MID (EUT)

Model Number	:	PC435
Serial Number	:	N/A
Manufacturer	:	Shenzhen Natural Sound Electronics Co., Ltd.

### 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) = 1-5% or DTS BW, not to exceed 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

**PASS.**

Date of Test:	<u>October 26, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC435</u>	Power Supply:	<u>DC 3.7V</u>
Test Mode:	<u>TX</u>	Test Engineer:	<u>Pei</u>

The test was performed with 802.11b

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	10.08	> 0.5MHz
Middle	2437	10.08	> 0.5MHz
High	2462	10.08	> 0.5MHz

The test was performed with 802.11g

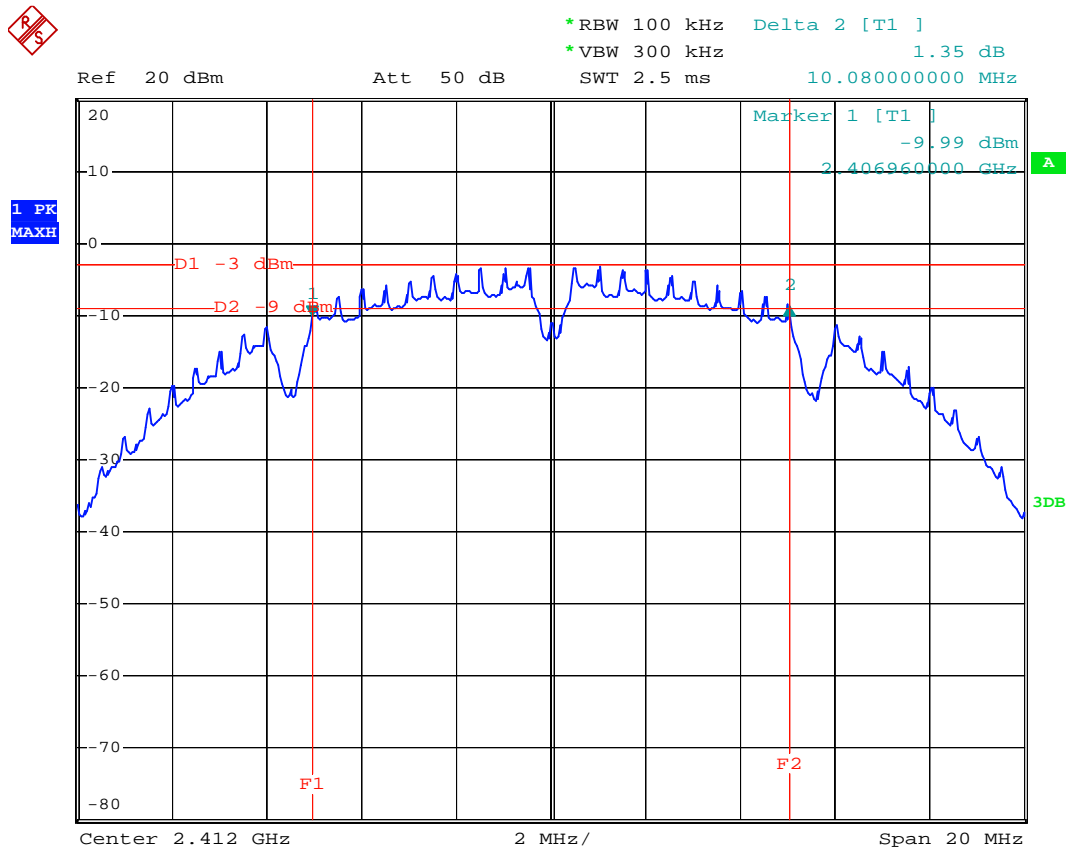
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	16.36	> 0.5MHz
Middle	2437	16.36	> 0.5MHz
High	2462	16.36	> 0.5MHz

The test was performed with 802.11n (Bandwidth: 20 MHz)			
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	17.60	> 0.5MHz
Middle	2437	17.60	> 0.5MHz
High	2462	17.60	> 0.5MHz

The test was performed with 802.11n (Bandwidth: 40 MHz)			
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2422	35.28	> 0.5MHz
Middle	2437	35.44	> 0.5MHz
High	2452	35.60	> 0.5MHz

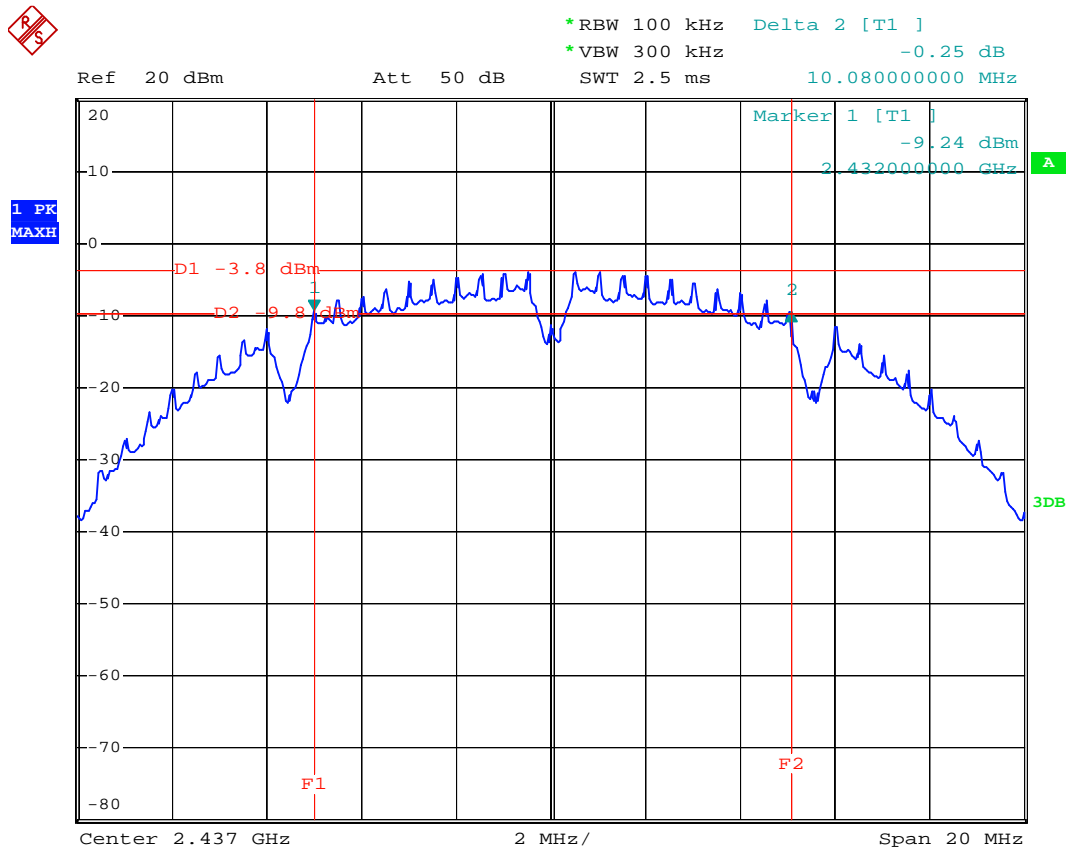
The spectrum analyzer plots are attached as below.

### 802.11b Channel Low 2412MHz



Date: 26.OCT.2012 08:32:01

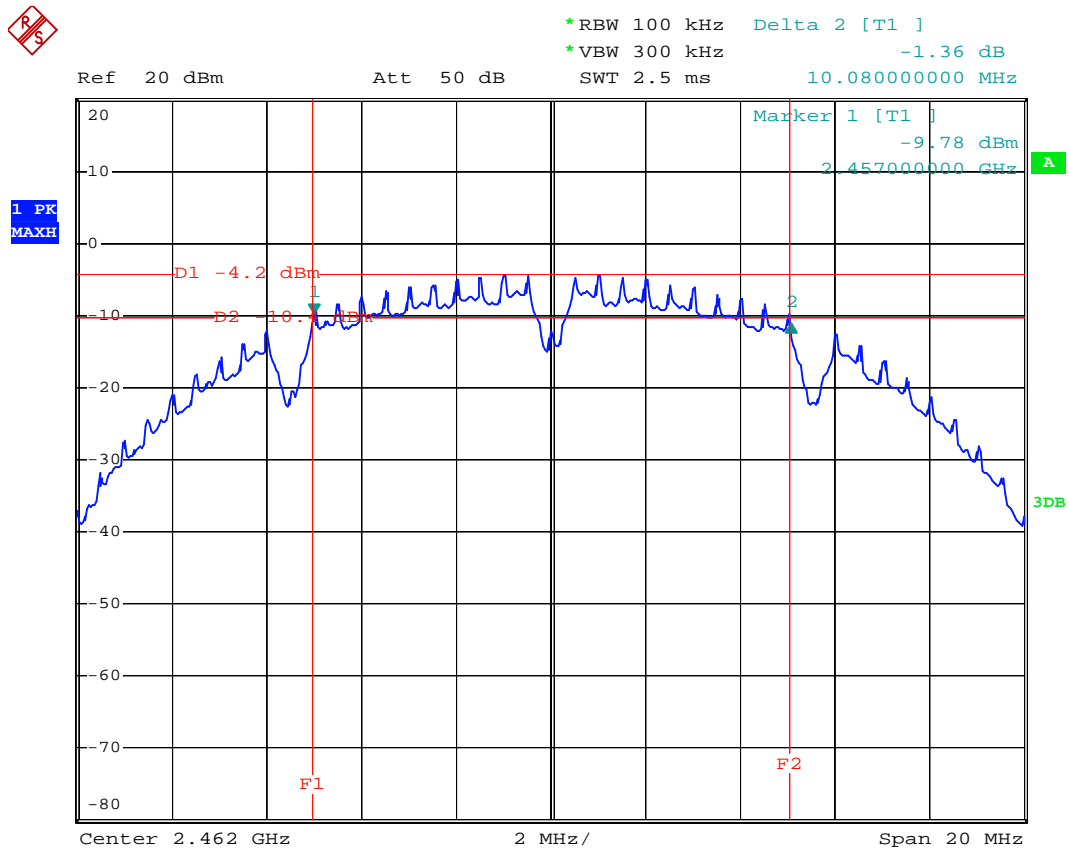
### 802.11b Channel Middle 2437MHz



Date: 26.OCT.2012 08:33:40

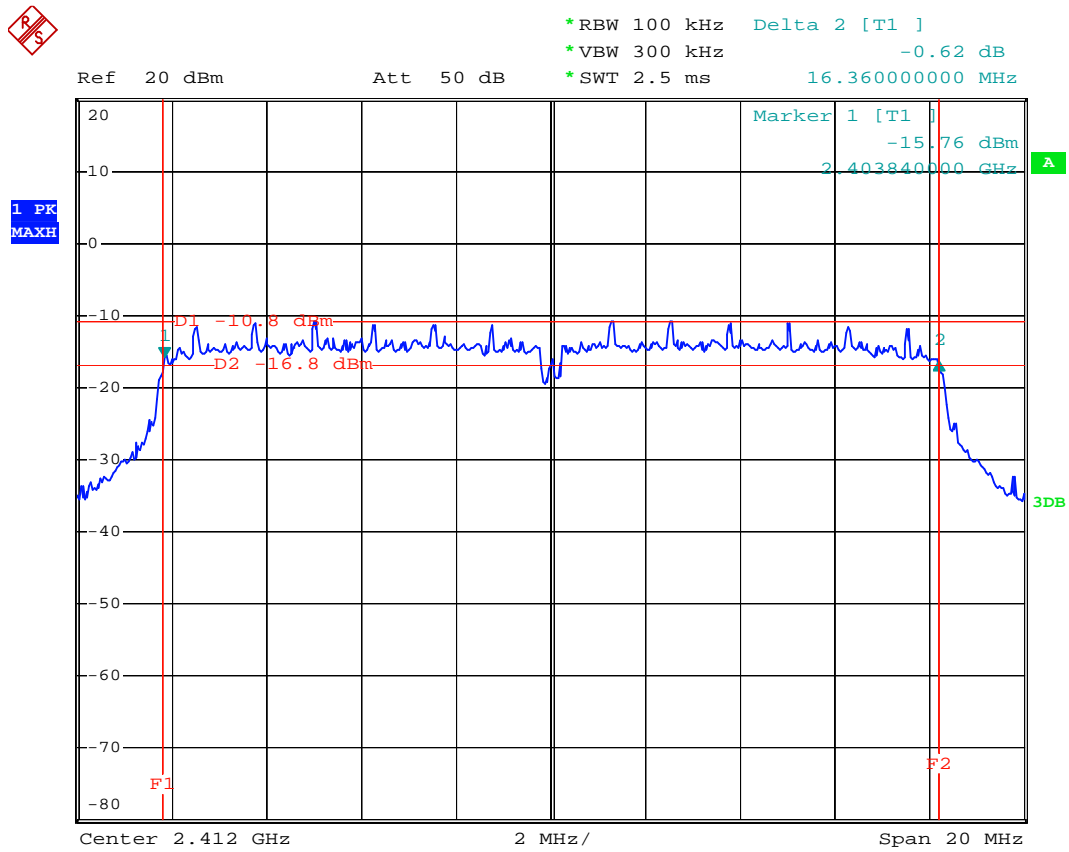


### 802.11b Channel High 2462MHz



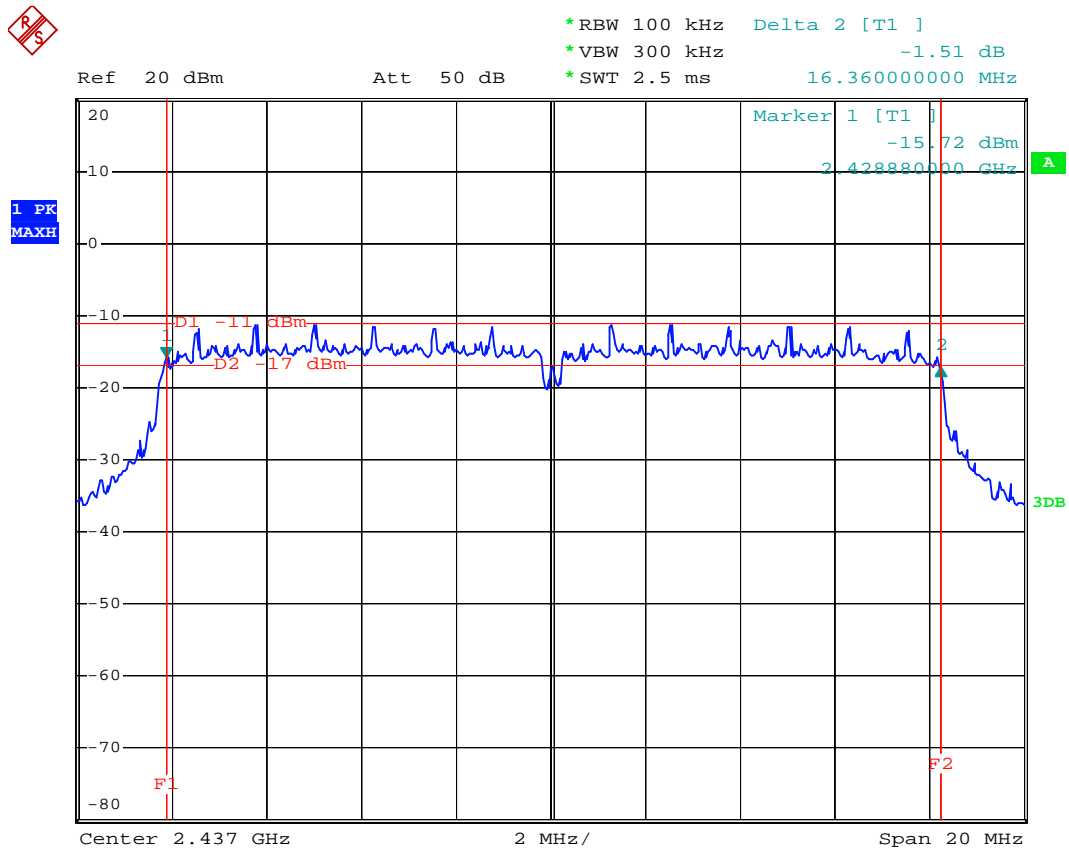
Date: 26.OCT.2012 08:34:50

### 802.11g Channel Low 2412MHz



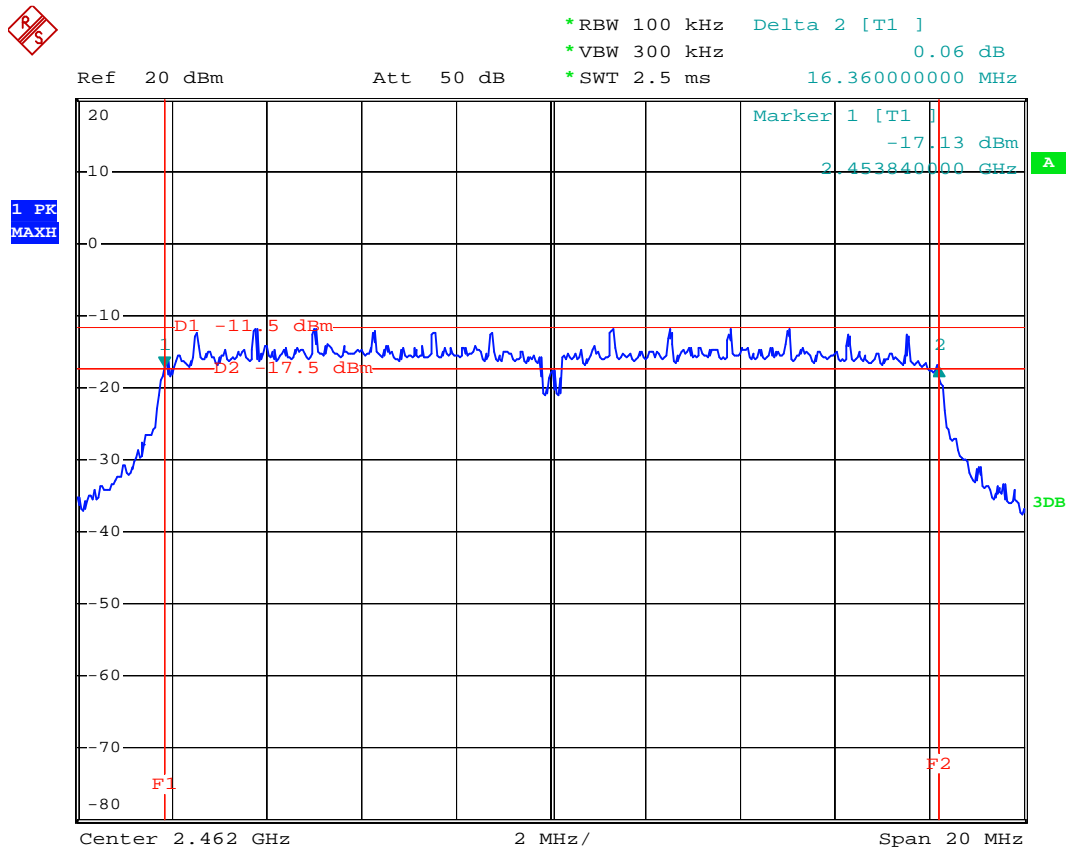
Date: 26.OCT.2012 08:53:01

### 802.11g Channel Middle 2437MHz



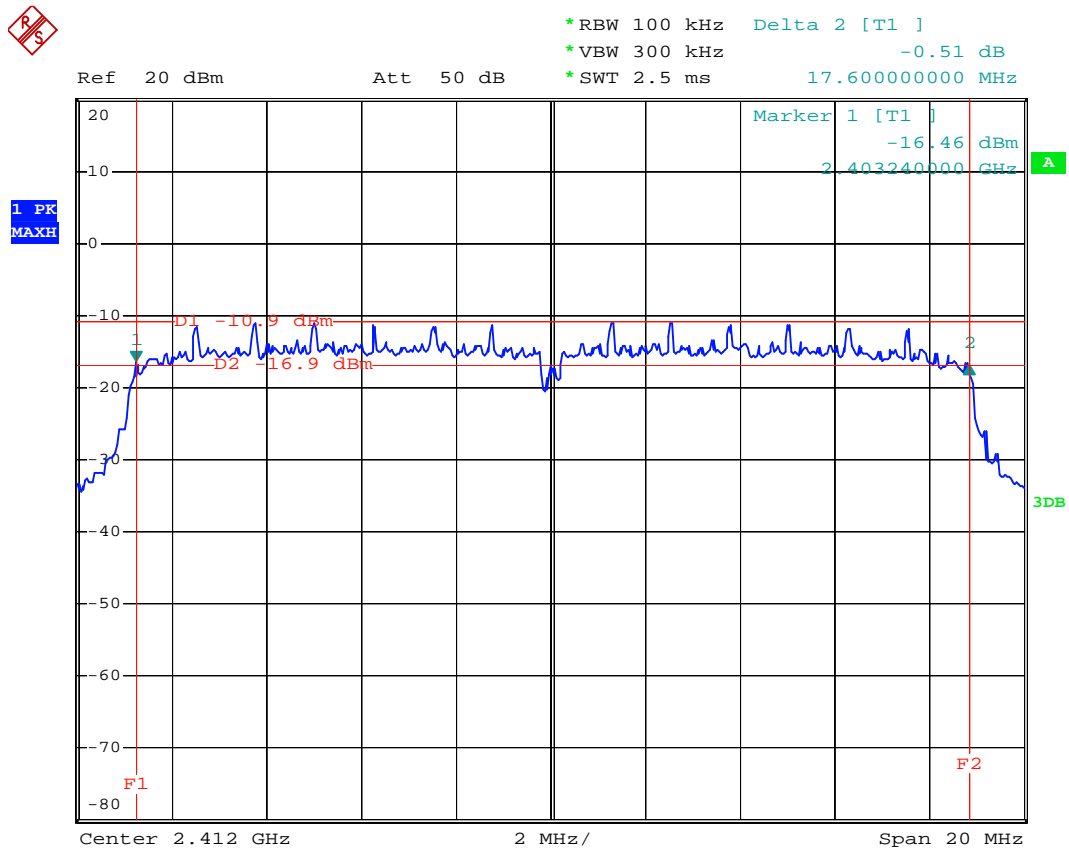
Date: 26.OCT.2012 08:56:21

### 802.11g Channel High 2462MHz



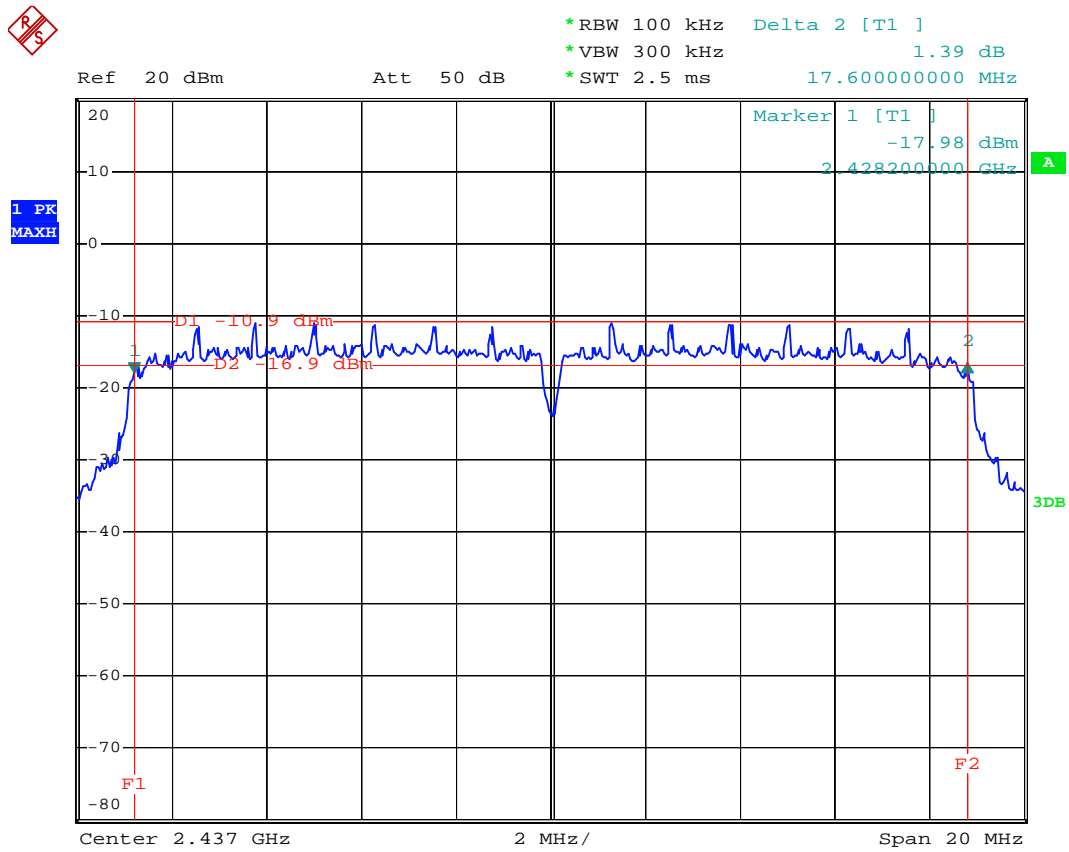
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### 802.11n Channel Low 2412MHz (20MHz)



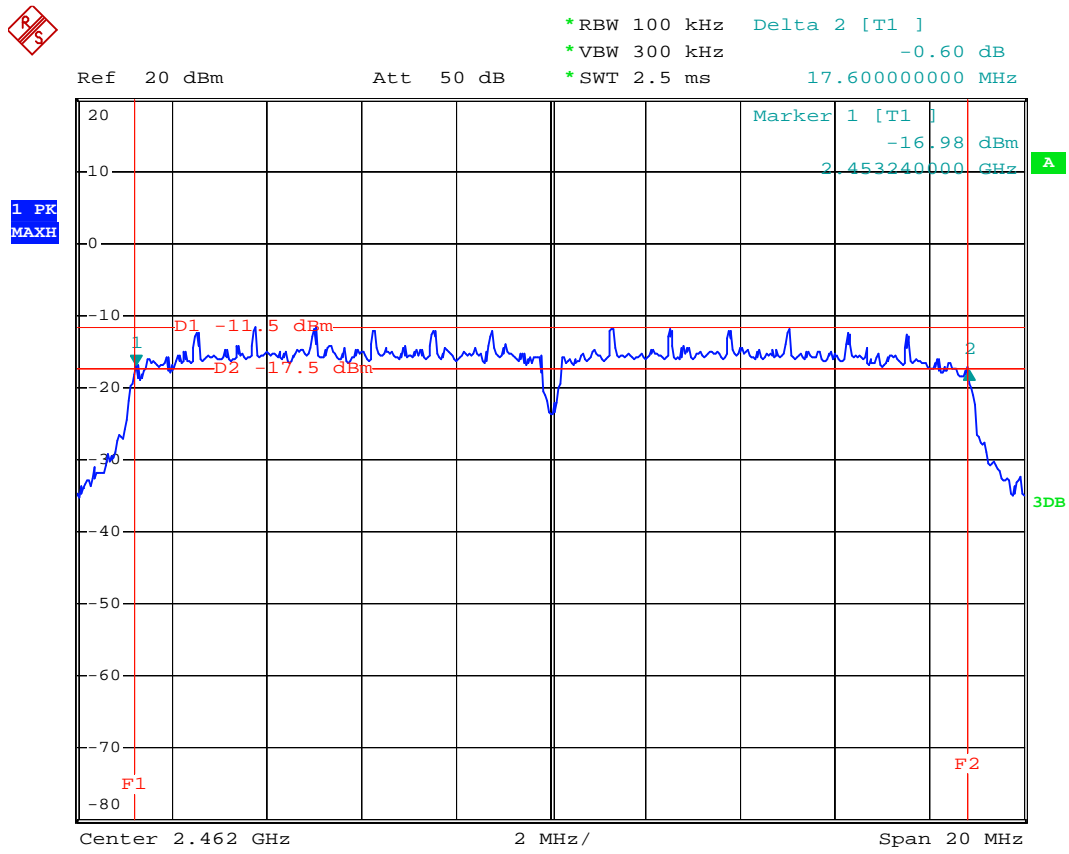
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### 802.11n Channel Middle 2437MHz(20MHz)



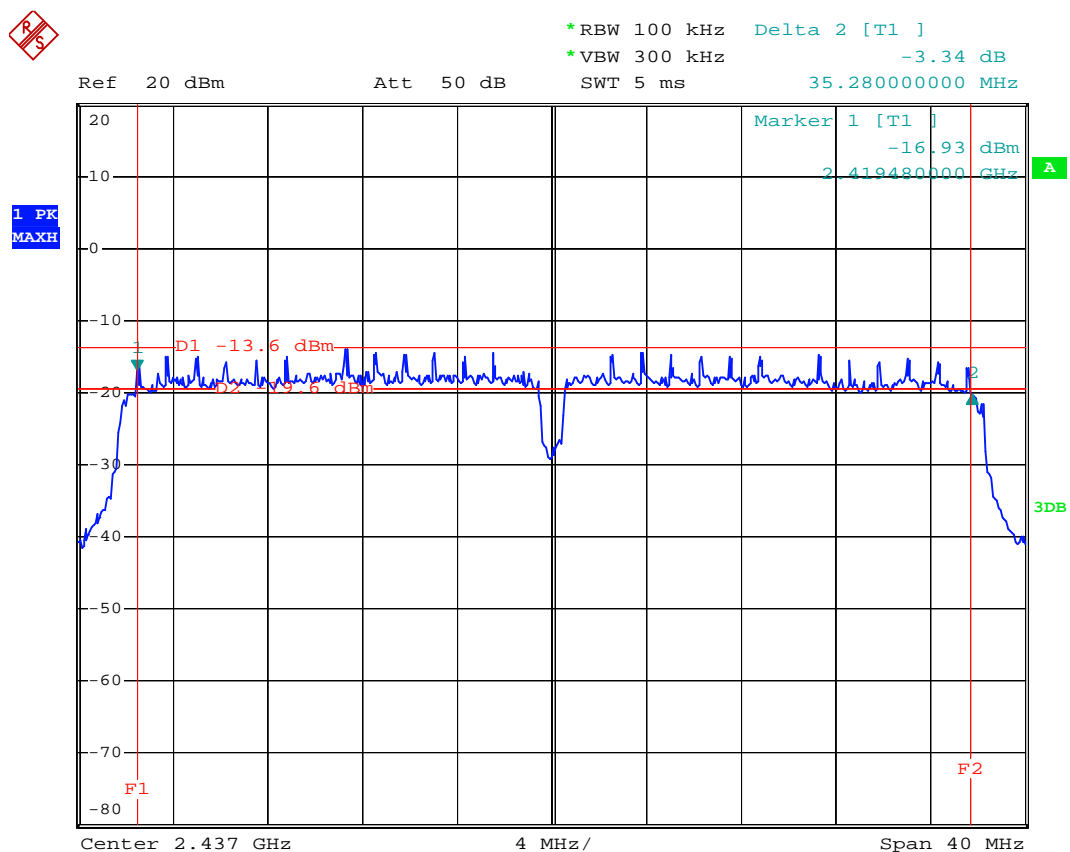
Date: 26.OCT.2012 09:23:47

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



Date: 26.OCT.2012 09:25:54

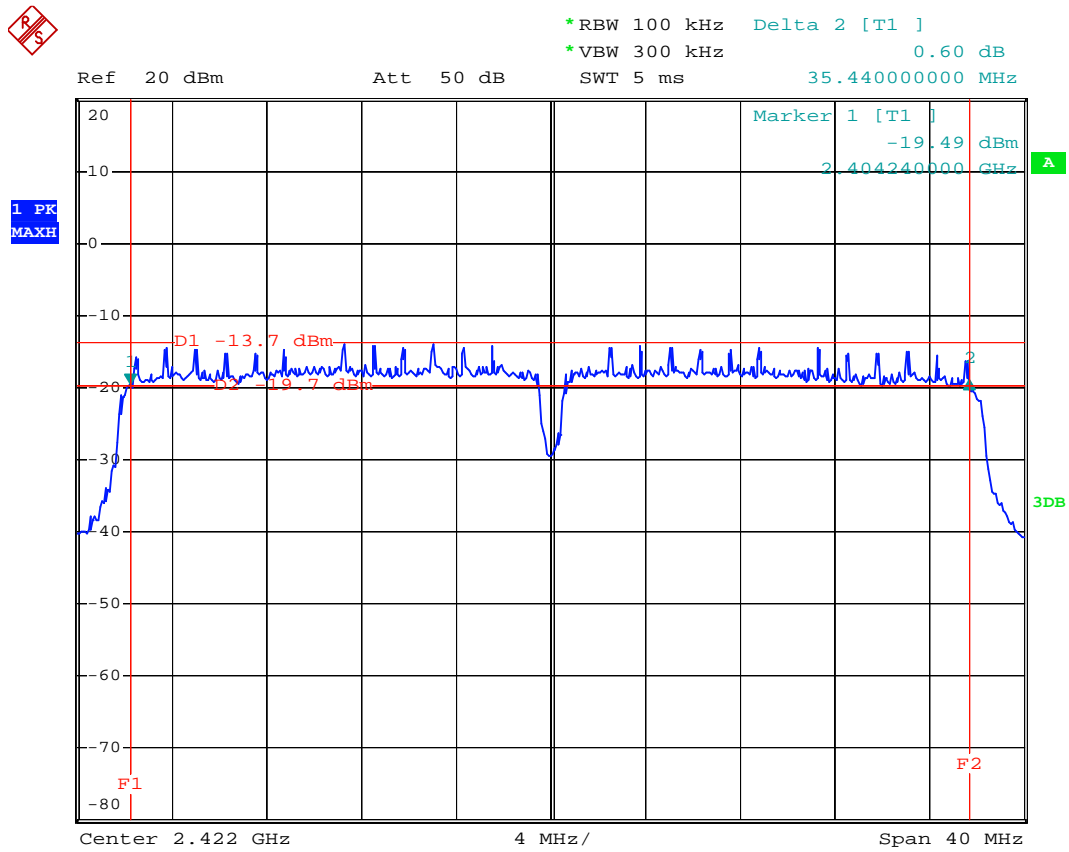
802.11n Channel Low 2422MHz (40MHz)



Date: 26.OCT.2012 09:40:06

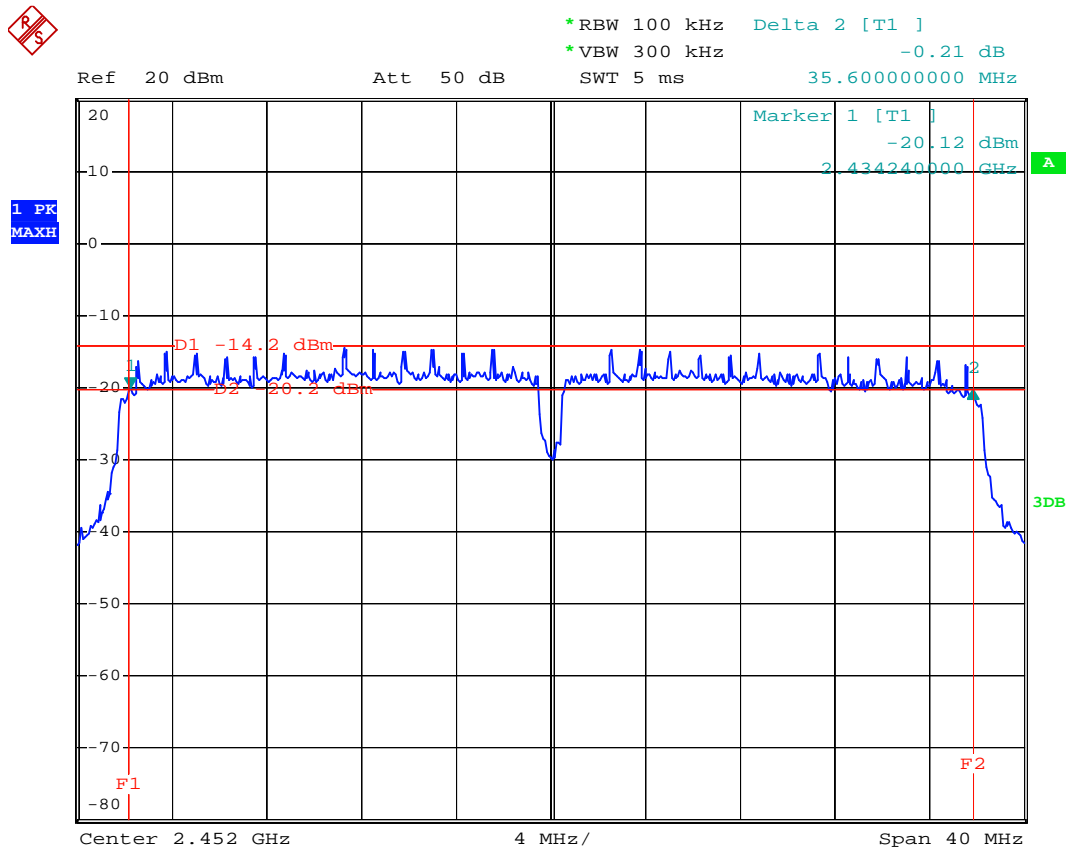


### 802.11n Channel Middle 2437MHz(40MHz)



Date: 26.OCT.2012 09:42:22

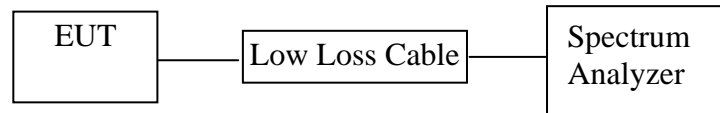
### 802.11n Channel High 2452MHz(40MHz)



Date: 26.OCT.2012 09:44:31

## 6. MAXIMUM PEAK OUTPUT POWER

### 6.1. Block Diagram of Test Setup



(EUT: MID)

### 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 following 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.

#### 6.3.1. MID (EUT)

Model Number	:	PC435
Serial Number	:	N/A
Manufacturer	:	Shenzhen Natural Sound Electronics Co., Ltd.

### 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 October 04, 2012 KDB558074 D01 DTS Meas Guidance v02 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

**PASS.**

Date of Test:	<u>October 26, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC435</u>	Power Supply:	<u>DC 3.7V</u>
Test Mode:	<u>TX</u>	Test Engineer:	<u>Pei</u>

The test was performed with 802.11b

Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	8.55	7.16	30 dBm / 1 W
Middle	2437	8.33	6.81	30 dBm / 1 W
High	2462	7.72	5.92	30 dBm / 1 W

The test was performed with 802.11g

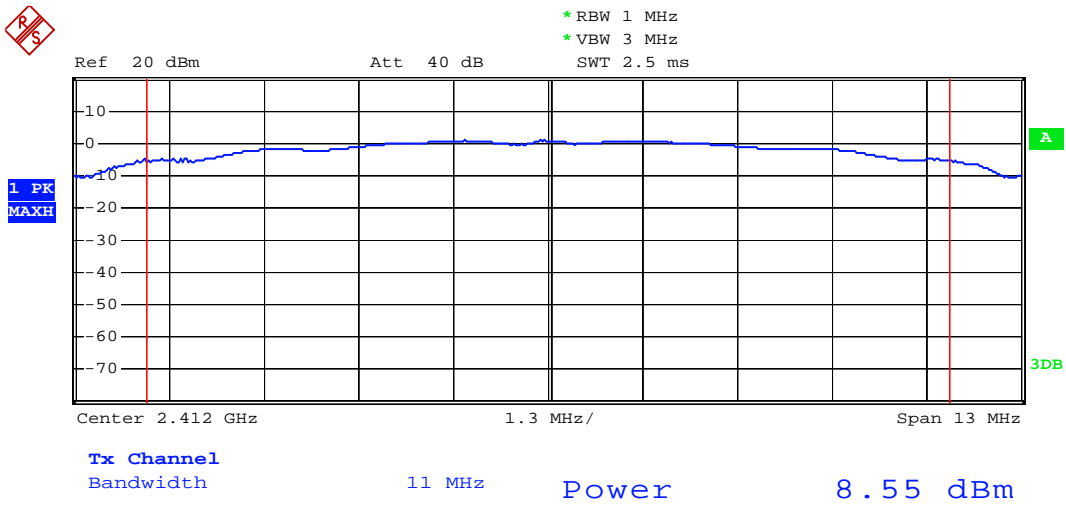
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	9.01	7.96	30 dBm / 1 W
Middle	2437	8.69	7.40	30 dBm / 1 W
High	2462	8.35	6.84	30 dBm / 1 W

The test was performed with 802.11n (20MHz)				
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	8.87	7.71	30 dBm / 1 W
Middle	2437	8.71	7.43	30 dBm / 1 W
High	2462	8.18	6.58	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	8.45	7.00	30 dBm / 1 W
Middle	2437	8.20	6.61	30 dBm / 1 W
High	2452	8.00	6.31	30 dBm / 1 W

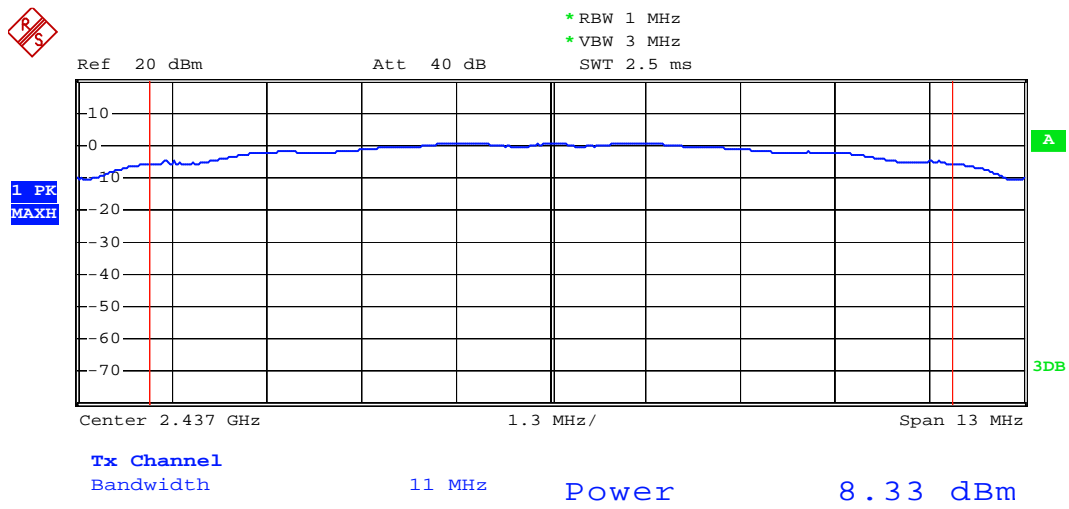
The spectrum analyzer plots are attached as below.

### 802.11b Channel Low 2412MHz



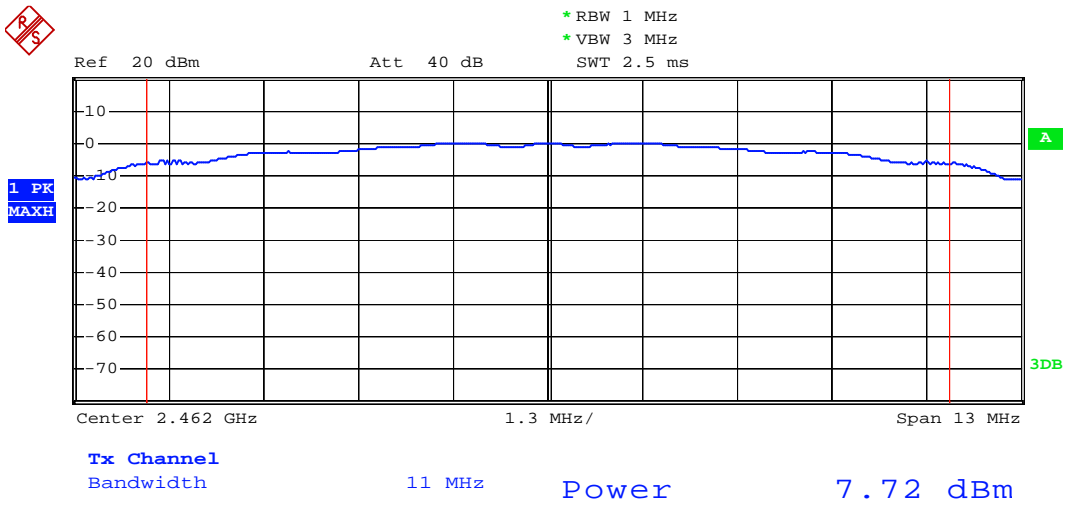
Date: 26.OCT.2012 08:38:05

### 802.11b Channel Middle 2437MHz



Date: 26.OCT.2012 08:37:29

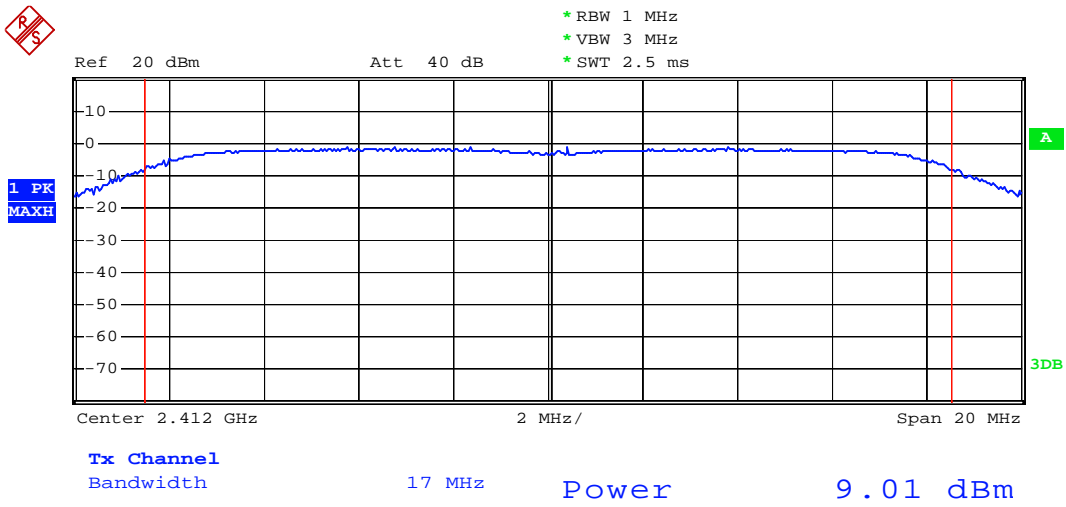
### 802.11b Channel High 2462MHz



Date: 26.OCT.2012 08:36:56

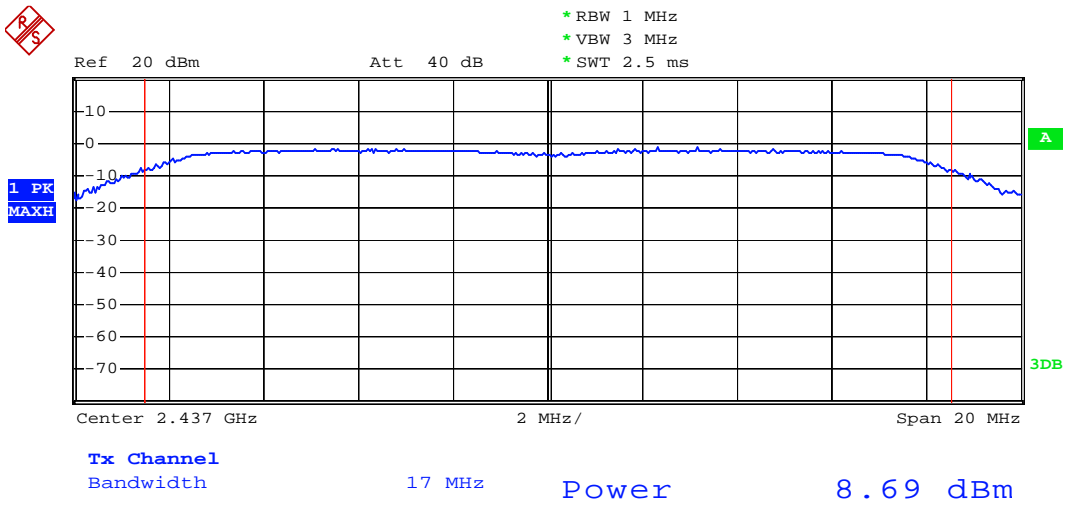


### 802.11g Channel Low 2412MHz



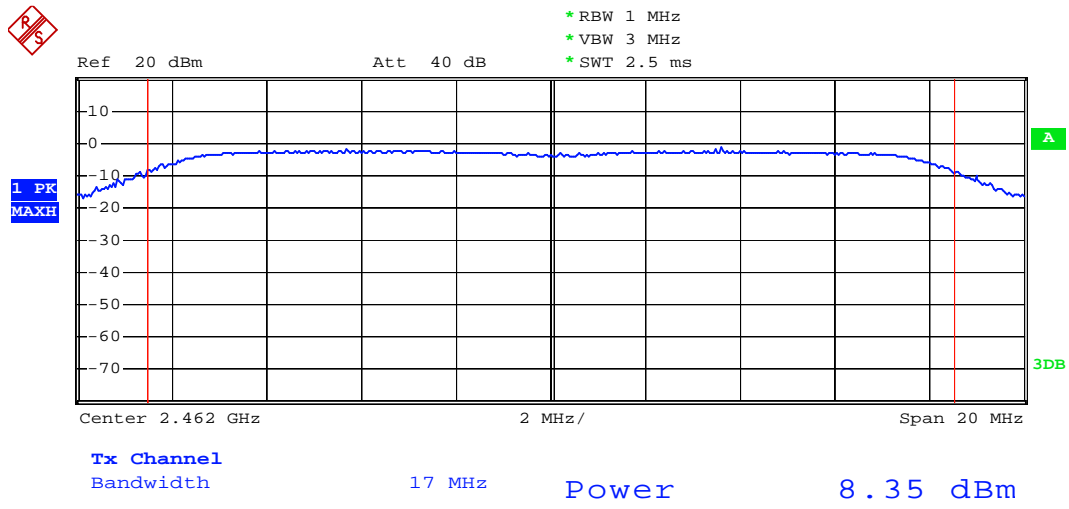
Date: 26.OCT.2012 09:06:58

### 802.11g Channel Middle 2437MHz



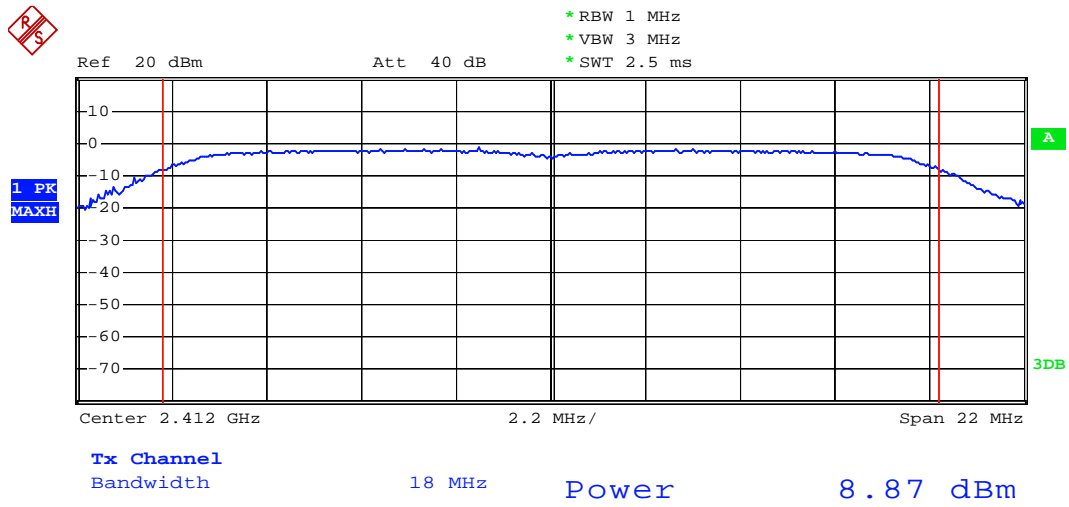
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### 802.11g Channel High 2462MHz



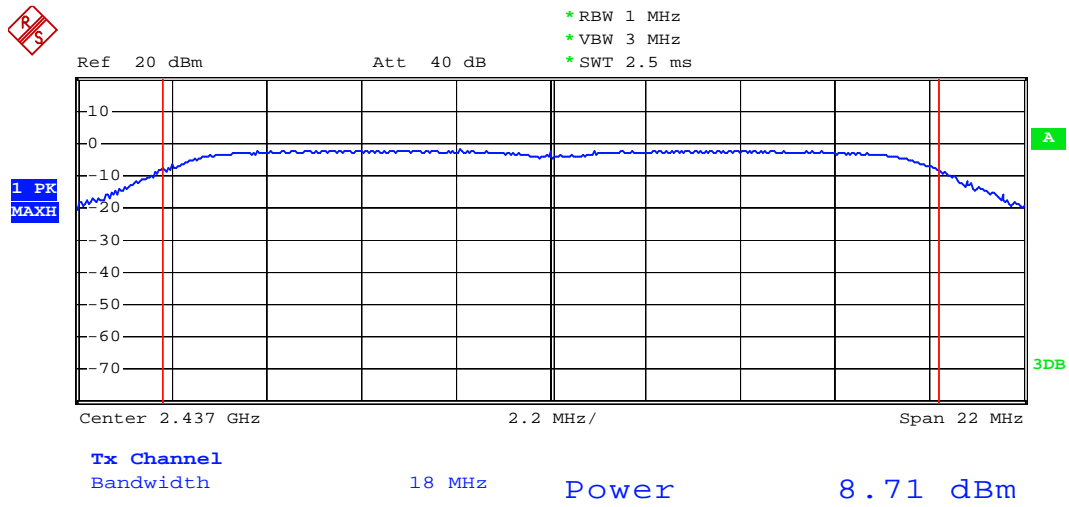
Date: 26.OCT.2012 09:05:41

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



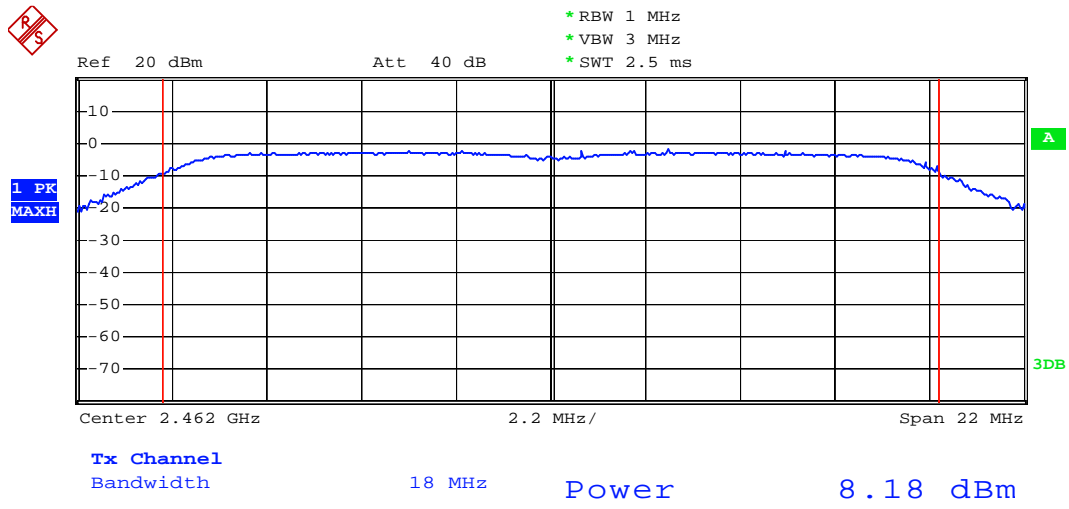
Date: 26.OCT.2012 09:29:04

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



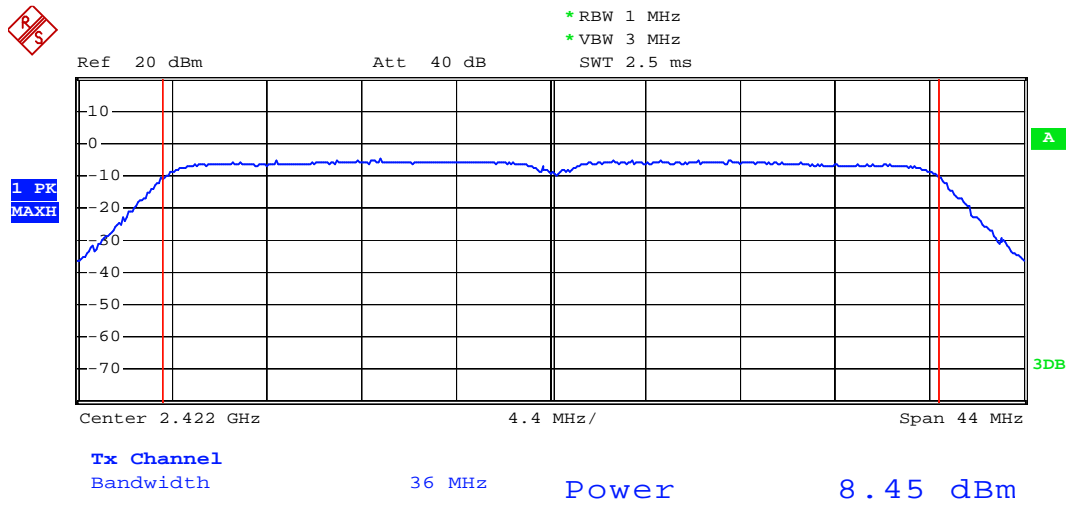
Date: 26.OCT.2012 09:28:33

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



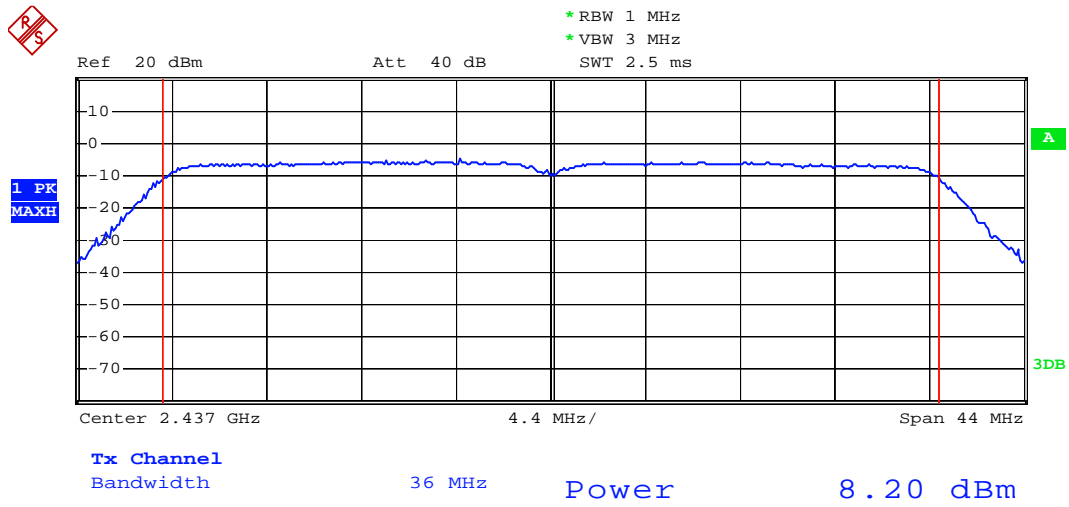
Date: 26.OCT.2012 09:27:54

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



Date: 26.OCT.2012 09:48:15

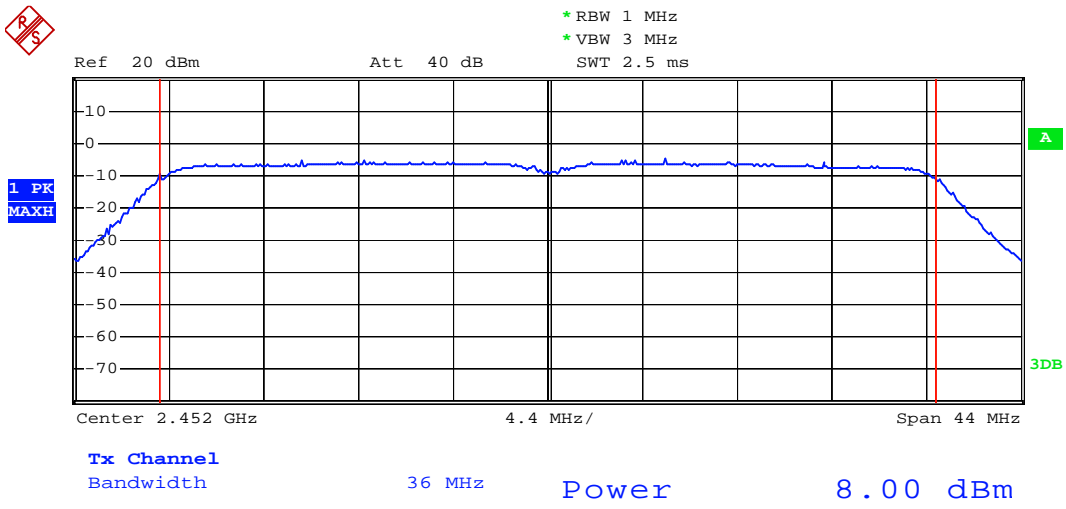
### 802.11n Channel Middle 2437MHz (40MHz)



Date: 26.OCT.2012 09:47:36



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



Date: 26.OCT.2012 09:46:44

## 7. POWER SPECTRAL DENSITY MEASUREMENT

### 7.1. Block Diagram of Test Setup



(EUT: MID)

### 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 following 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.

#### 7.3.1. MID (EUT)

Model Number	:	PC435
Serial Number	:	N/A
Manufacturer	:	Shenzhen Natural Sound Electronics Co., Ltd.

### 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 EUT was tested according to DTS test procedure of October 04, 2012 KDB558074 D01 DTS Meas Guidance v02 for compliance to FCC 47CFR 15.247 requirements.

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

### 7.5.3. 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  $\geq$  3 kHz.
4. Set the VBW  $\geq$  3 x 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.

7.5.4. Measurement the maximum power spectral density.

## 7.6. Test Result

**PASS.**

Date of Test:	October 26, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	PC435	Power Supply:	DC 3.7V
Test Mode:	TX	Test Engineer:	Pei

The test was performed with 802.11b

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)
Low	2412	-18.24	8 dBm
Middle	2437	-18.57	8 dBm
High	2462	-18.51	8 dBm

The test was performed with 802.11g

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)
Low	2412	-21.78	8 dBm
Middle	2437	-22.07	8 dBm
High	2462	-22.52	8 dBm

The test was performed with 802.11n (20MHz)

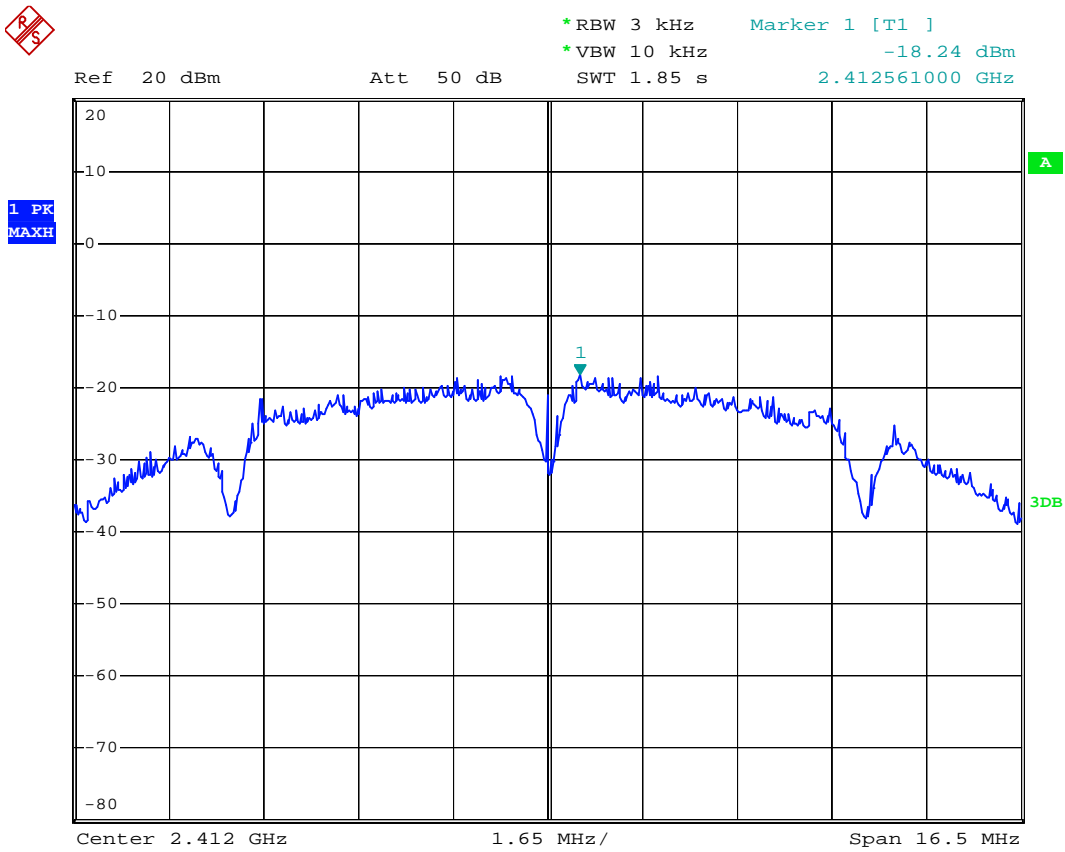
Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)
Low	2412	-24.76	8 dBm
Middle	2437	-26.30	8 dBm
High	2462	-26.11	8 dBm

The test was performed with 802.11n (40MHz)

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)
Low	2422	-27.79	8 dBm
Middle	2437	-28.46	8 dBm
High	2452	-28.23	8 dBm

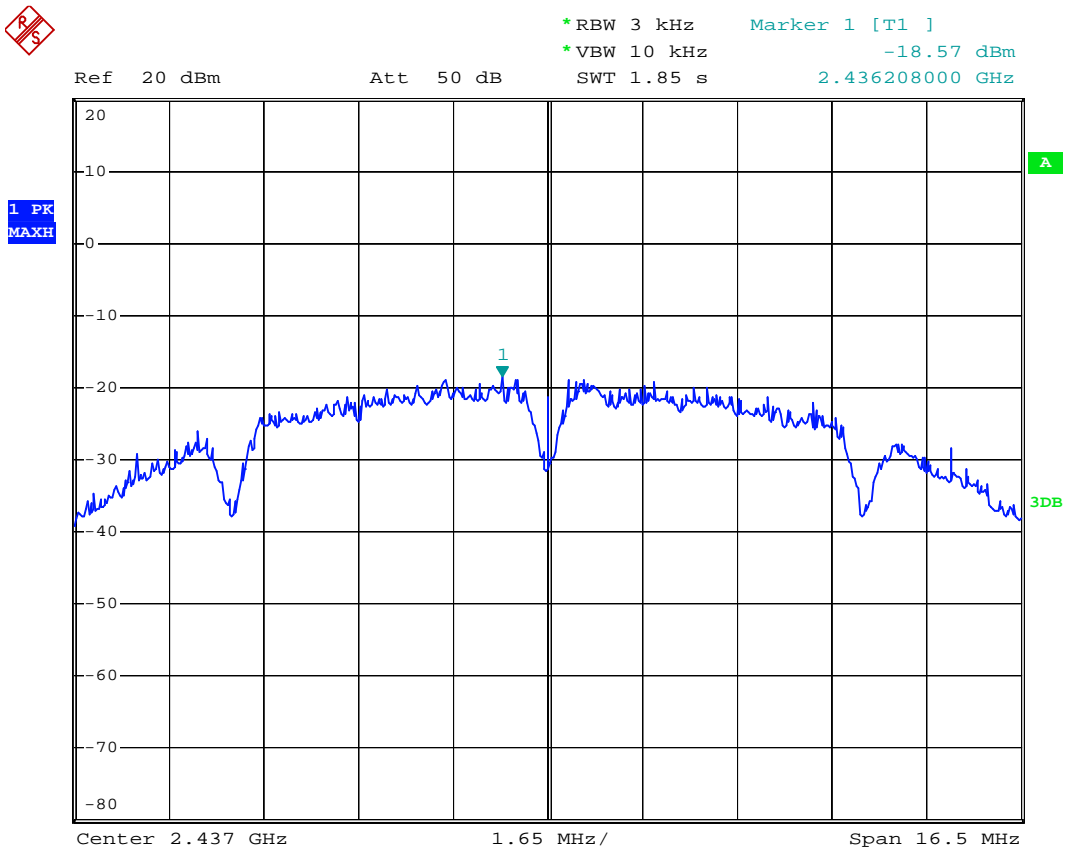
The spectrum analyzer plots are attached as below.

### 802.11b Channel Low 2412MHz



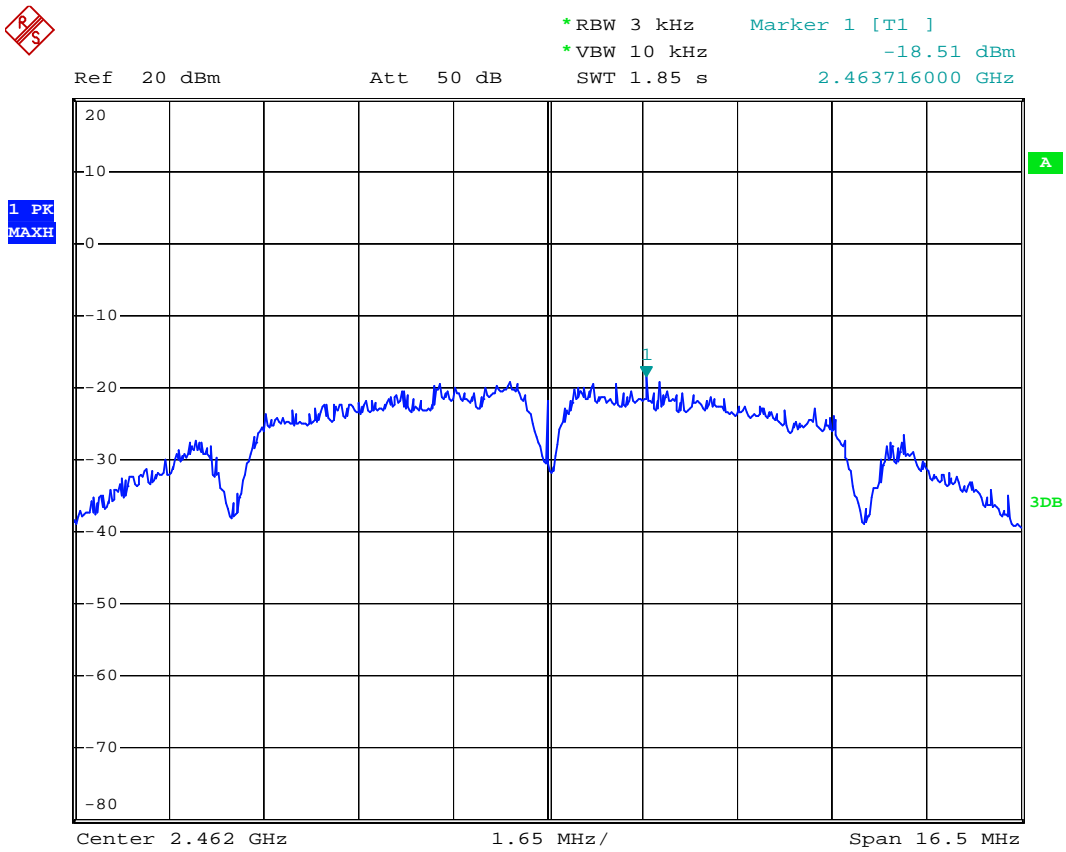
Date: 26.OCT.2012 08:39:57

### 802.11b Channel Middle 2437MHz



Date: 26.OCT.2012 08:40:49

### 802.11b Channel High 2462MHz



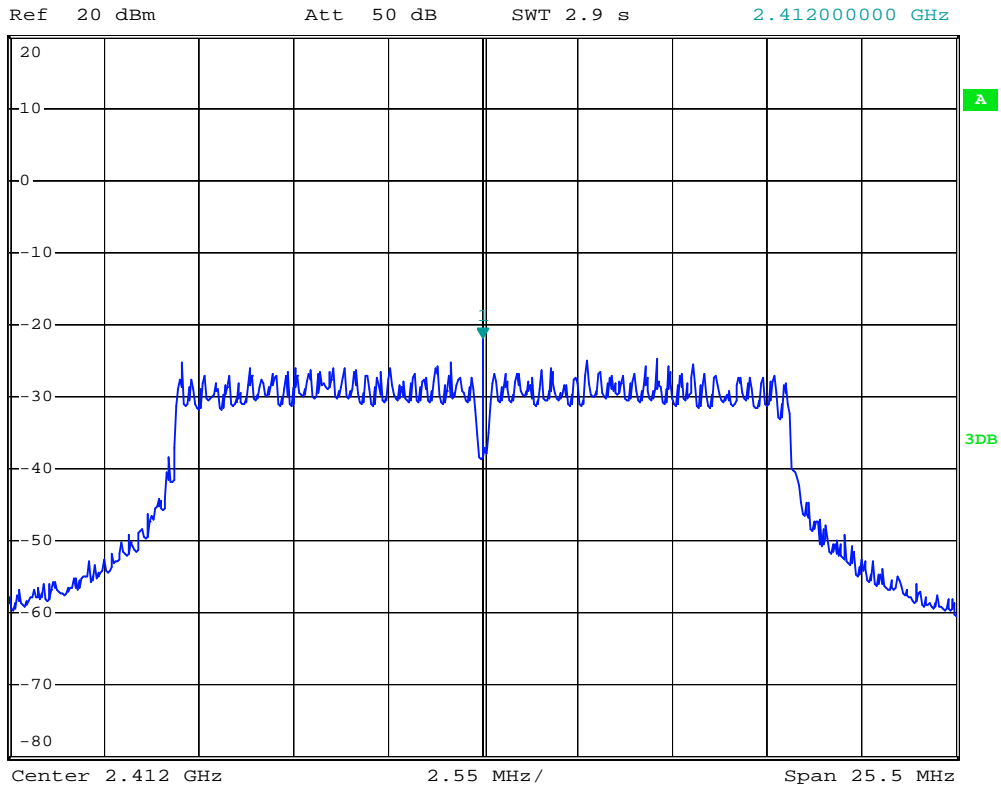
Date: 26.OCT.2012 08:41:44



### 802.11g Channel Low 2412MHz

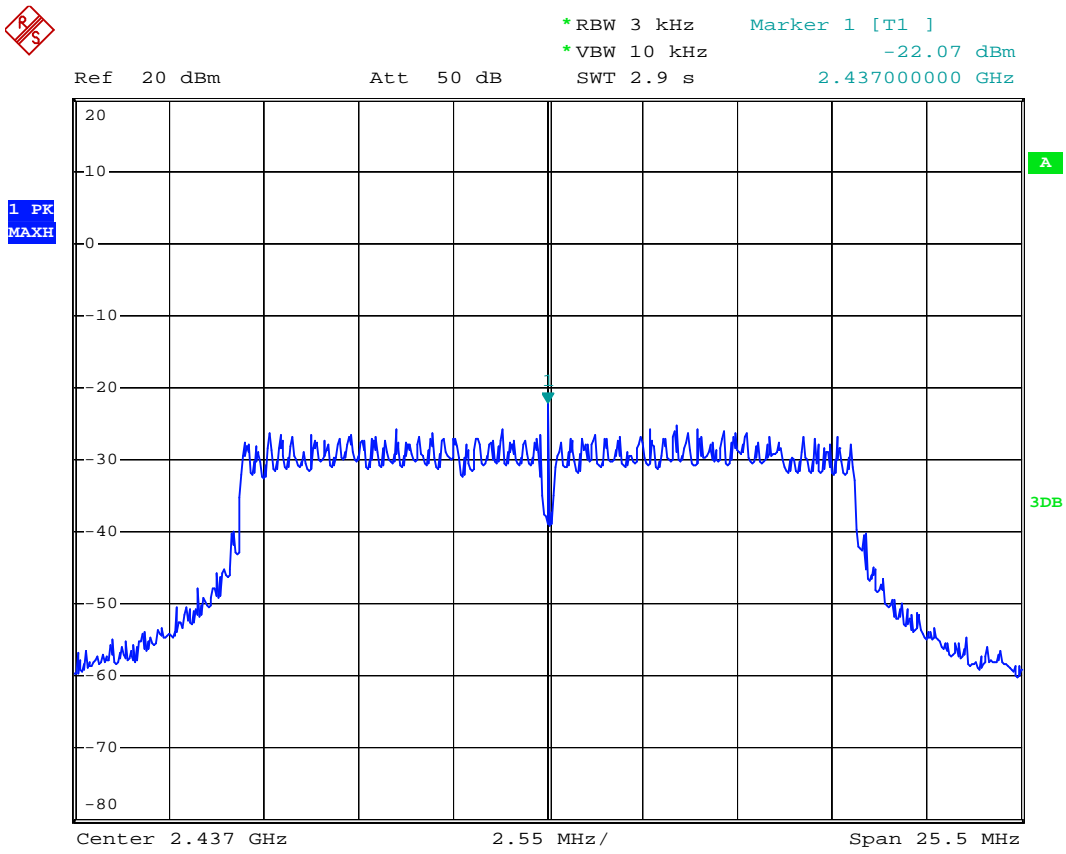


\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -21.78 dBm  
SWT 2.9 s      2.41200000 GHz



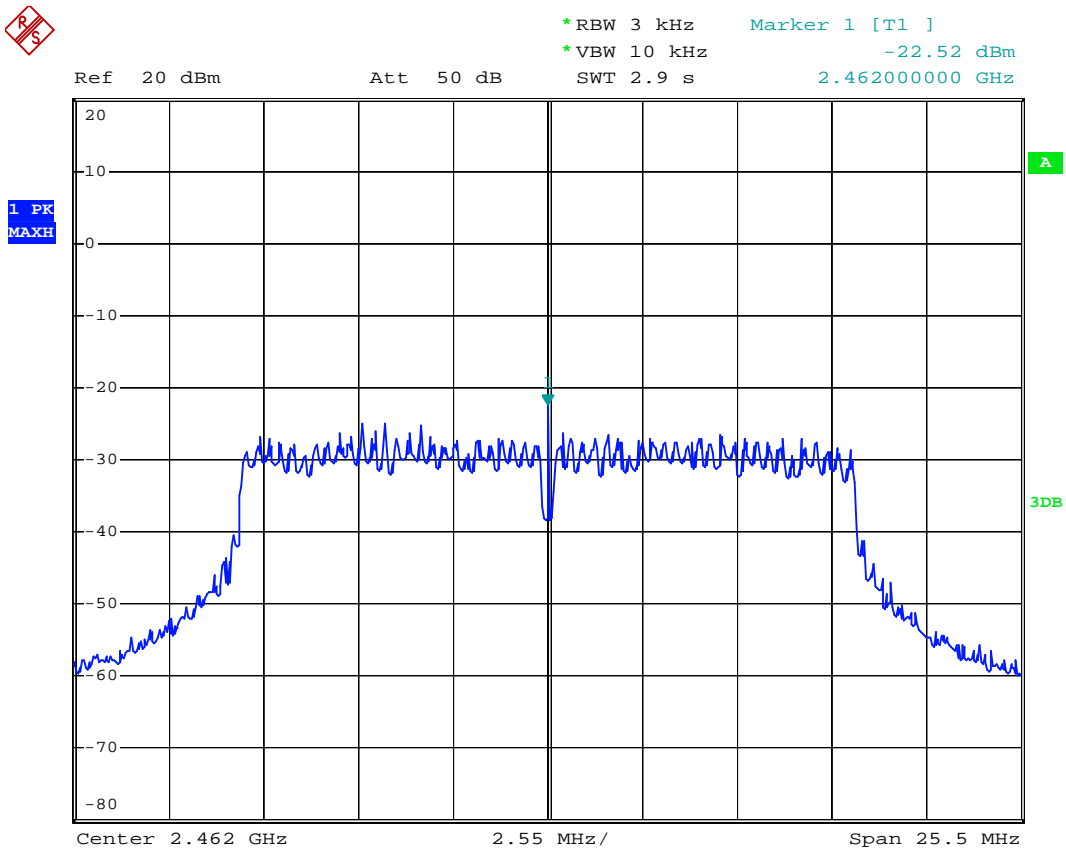
Date: 26.OCT.2012 09:09:43

### 802.11g Channel Middle 2437MHz



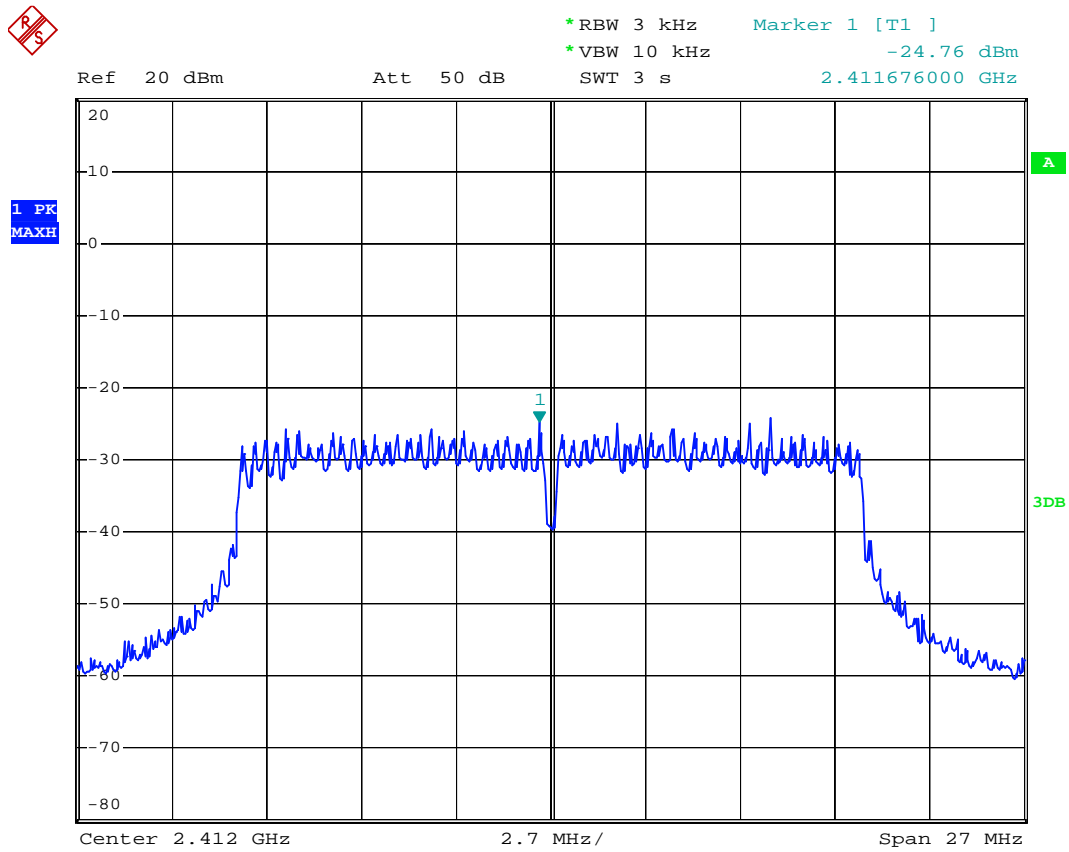
Date: 26.OCT.2012 09:10:46

### 802.11g Channel High 2462MHz



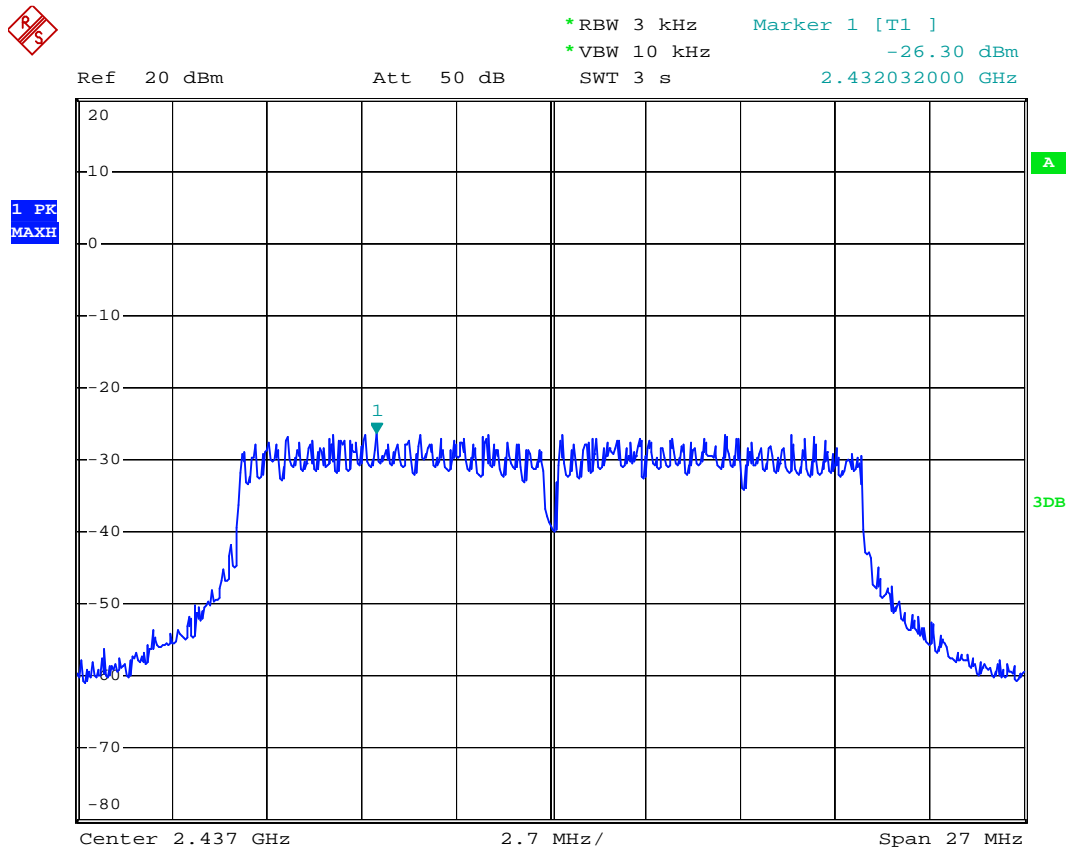
Date: 26.OCT.2012 09:11:56

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



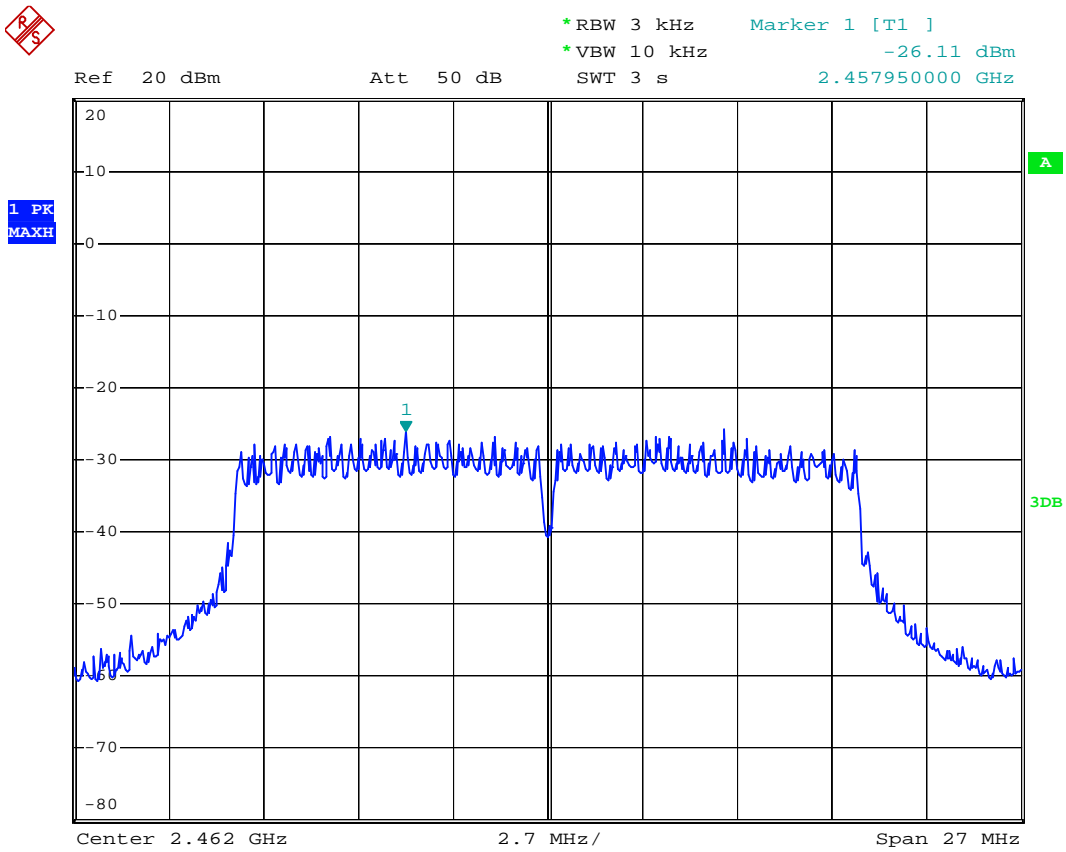
Date: 26.OCT.2012 09:30:27

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



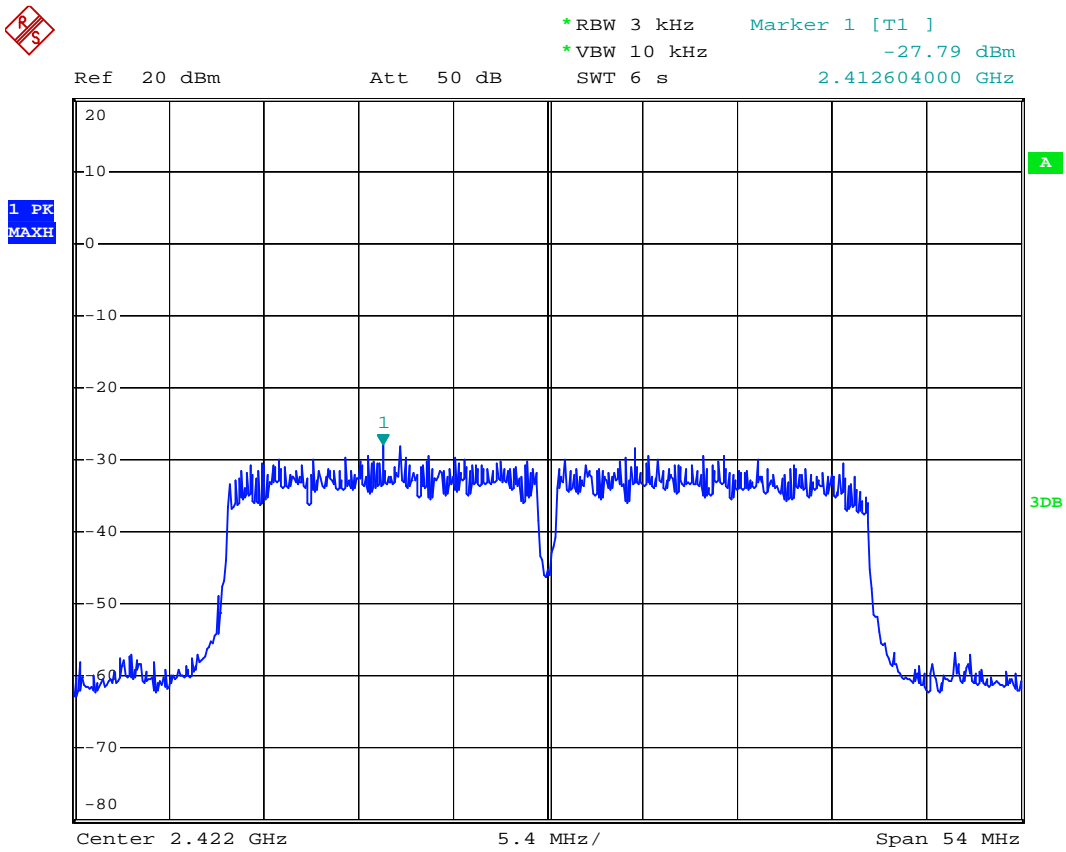
Date: 26.OCT.2012 09:31:20

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



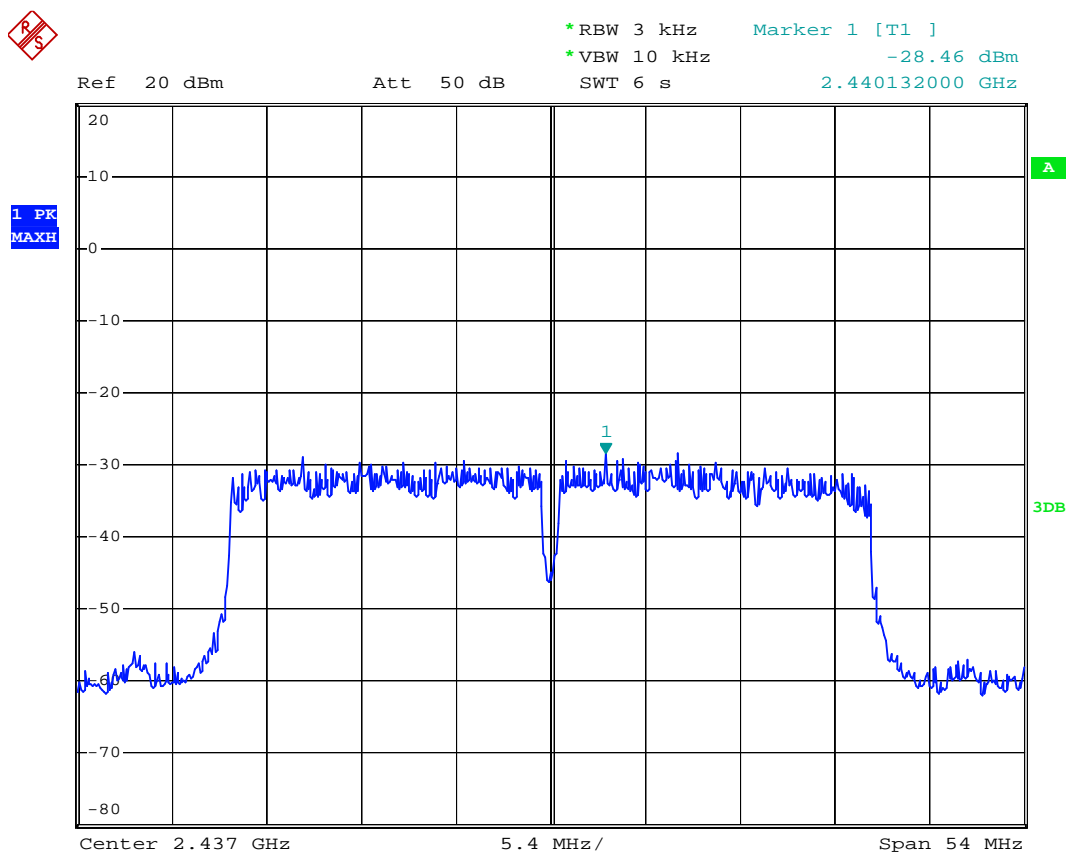
Date: 26.OCT.2012 09:32:02

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



Date: 26.OCT.2012 09:49:50

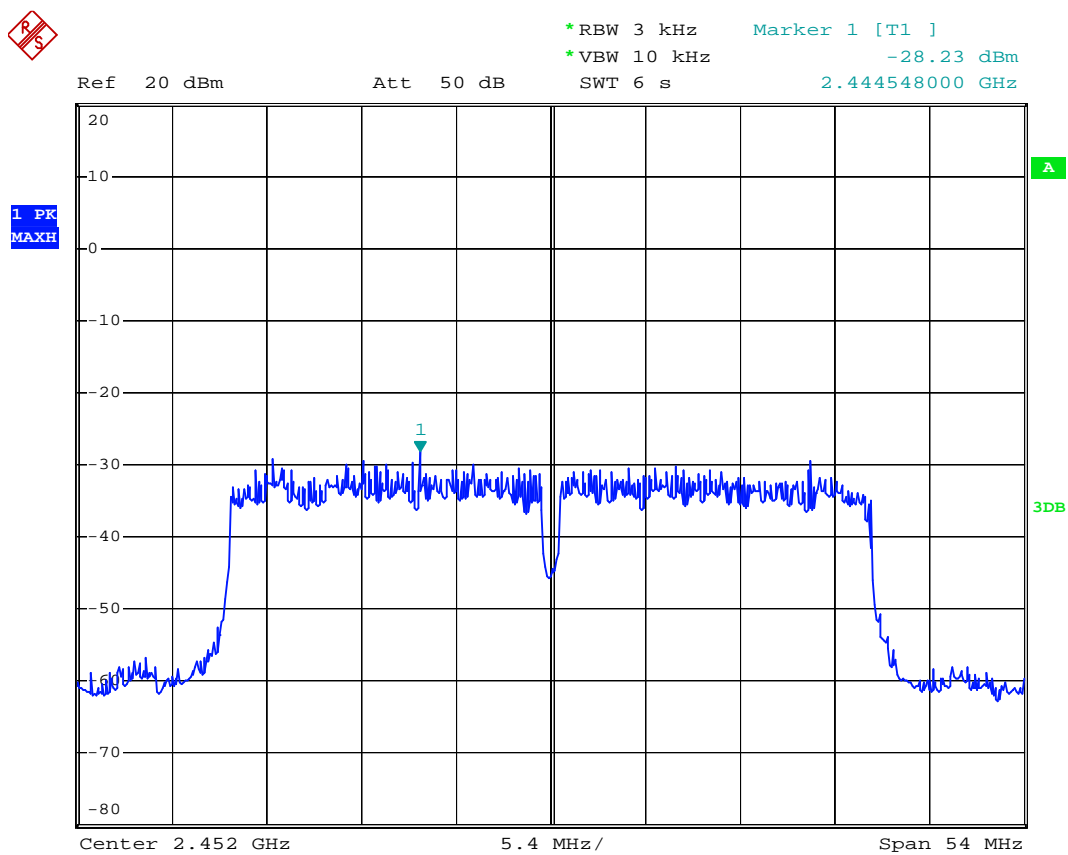
### 802.11n Channel Middle 2437MHz(40MHz)



Date: 26.OCT.2012 09:50:58



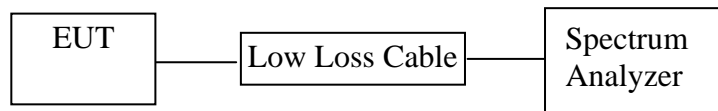
### 802.11n Channel High 2452MHz(40MHz)



Date: 26.OCT.2012 09:51:42

## 8. BAND EDGE COMPLIANCE TEST

### 8.1. Block Diagram of Test Setup



(EUT: MID)

### 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 following 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.

#### 8.3.1. MID (EUT)

Model Number	:	PC435
Serial Number	:	N/A
Manufacturer	:	Shenzhen Natural Sound Electronics Co., Ltd.

## 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

**Pass****Conducted test**

Date of Test:	<u>October 8, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC435</u>	Power Supply:	<u>DC 3.7V</u>
Test Mode:	<u>TX</u>	Test Engineer:	<u>Pei</u>

The test was performed with 802.11b

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	39.57	> 20dBc
2462	39.86	> 20dBc

The test was performed with 802.11g

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	32.29	> 20dBc
2462	32.70	> 20dBc

The test was performed with 802.11n (20MHz)

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	31.57	> 20dBc
2462	33.44	> 20dBc

The test was performed with 802.11n (40MHz)

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2422	27.28	> 20dBc
2452	29.51	> 20dBc

### 802.11b Channel Low 2412MHz

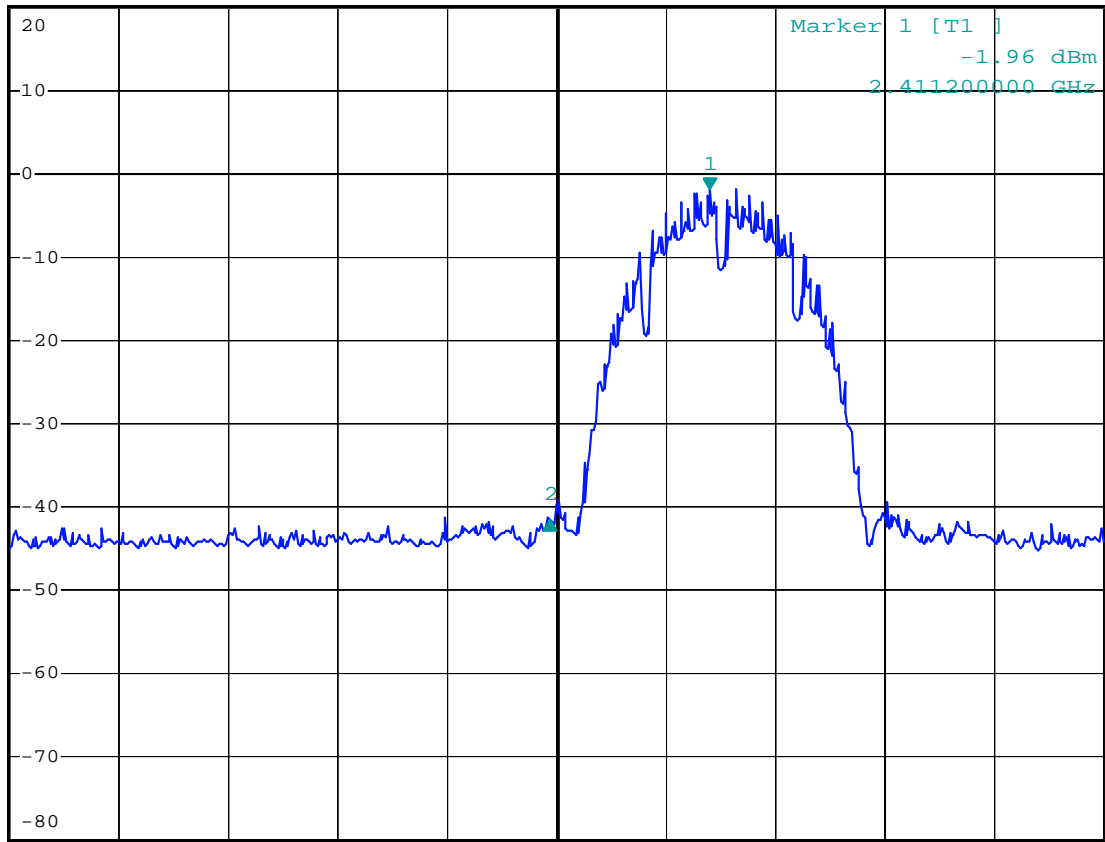


\*RBW 100 kHz    Delta 2 [T1 ]  
\*VBW 300 kHz                    -39.57 dB  
\*SWT 10 ms                        -11.680000000 MHz

Ref 20 dBm

Att 50 dB

1 PK  
MAXH



Center 2.4 GHz

8 MHz/

Span 80 MHz

Date: 8.OCT.2012 16:04:08

### 802.11b Channel High 2462MHz

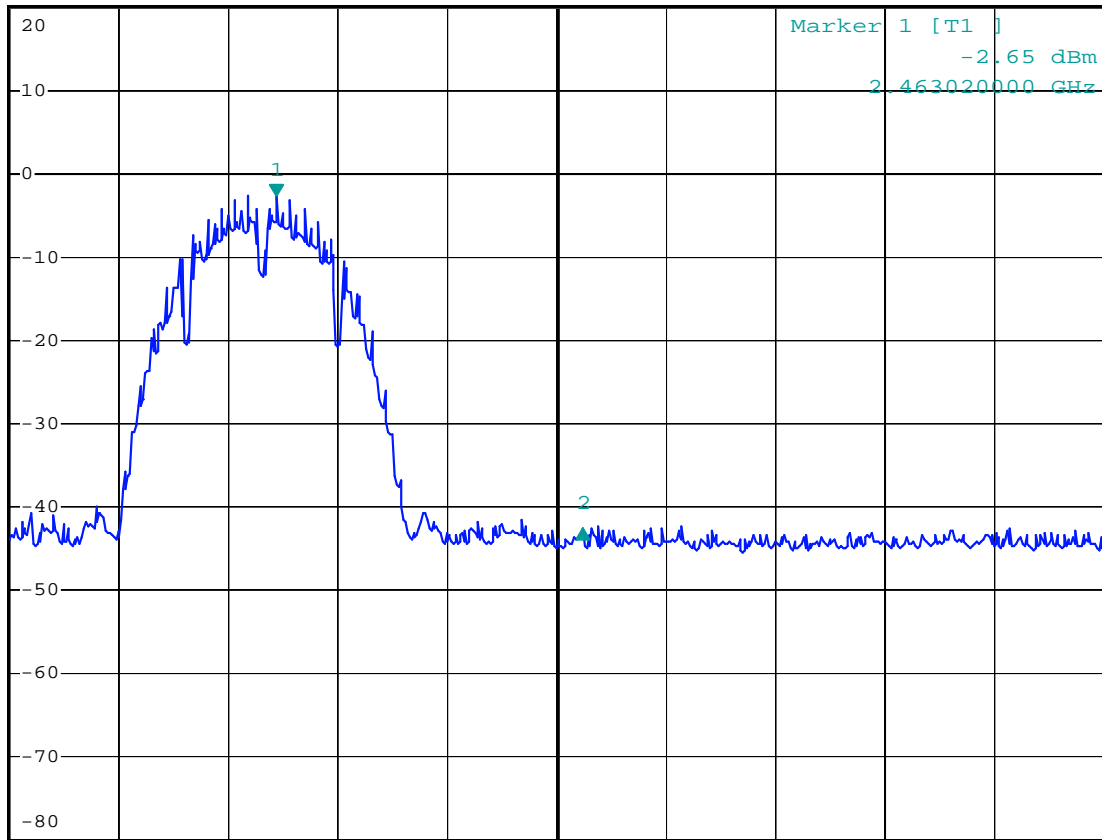


\*RBW 100 kHz    Delta 2 [T1 ]  
\*VBW 300 kHz                    -39.86 dB  
\*SWT 10 ms                        22.400000000 MHz

Ref 20 dBm

Att 50 dB

1 PK  
MAXH



Center 2.4835 GHz

8 MHz/

Span 80 MHz

Date: 8.OCT.2012 16:05:04

### 802.11g Channel Low 2412MHz

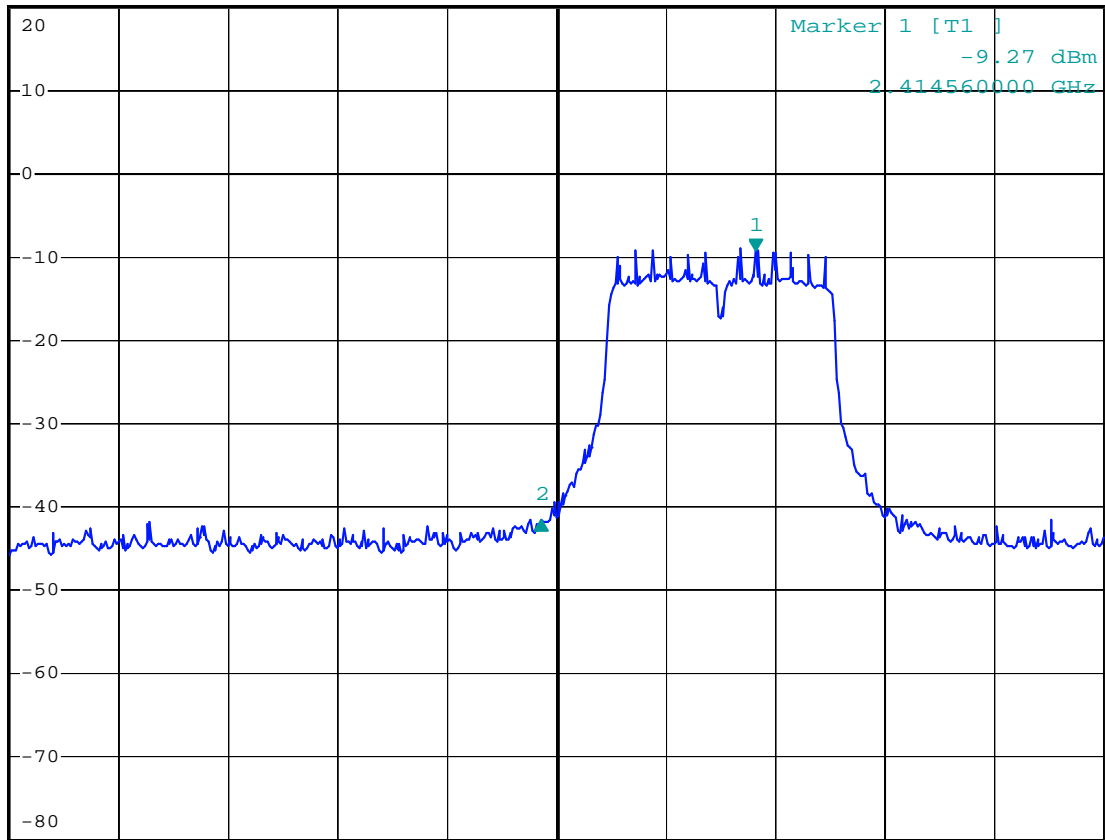


\*RBW 100 kHz Delta 2 [T1 ]  
\*VBW 300 kHz -32.29 dB  
\*SWT 10 ms -15.680000000 MHz

Ref 20 dBm

Att 50 dB

1 PK  
MAXH



Center 2.4 GHz

8 MHz/

Span 80 MHz

Date: 8.OCT.2012 16:36:59

### 802.11g Channel High 2462MHz

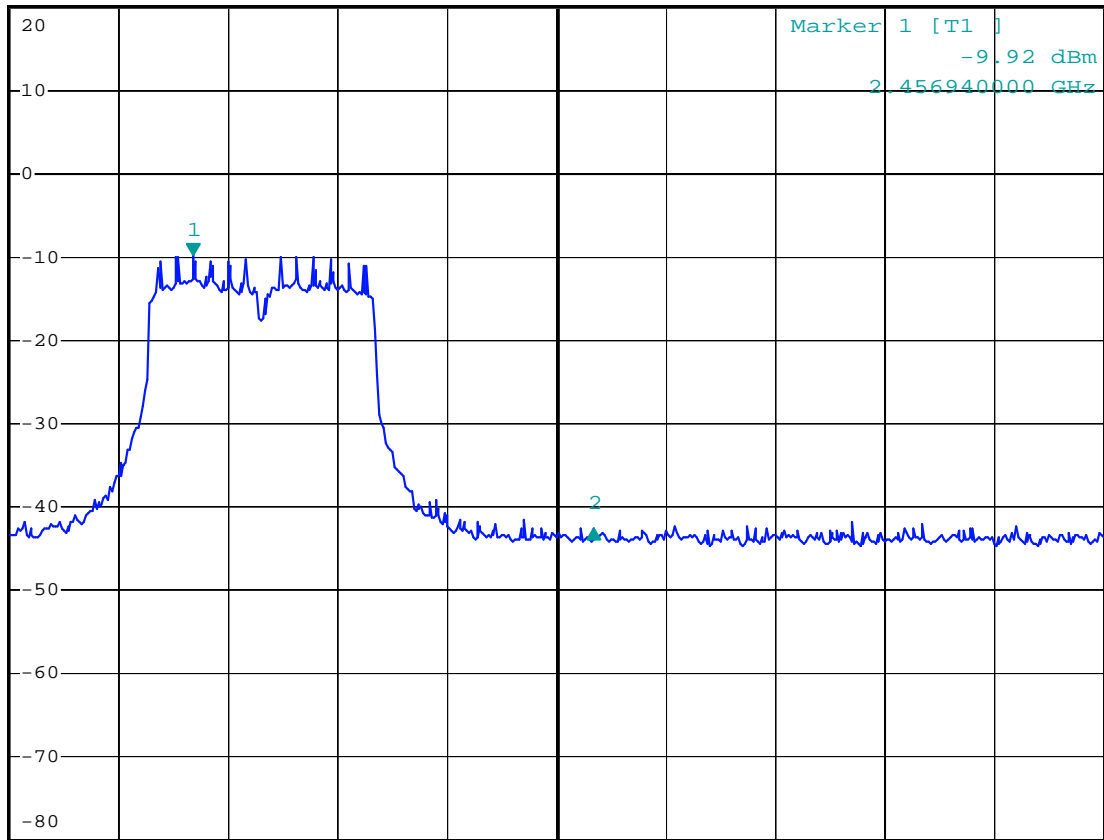


\*RBW 100 kHz    Delta 2 [T1 ]  
\*VBW 300 kHz                    -32.70 dB  
\*SWT 10 ms                        29.280000000 MHz

Ref 20 dBm

Att 50 dB

1 PK  
MAXH



Center 2.4835 GHz

8 MHz/

Span 80 MHz

Date: 8.OCT.2012 16:39:12



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

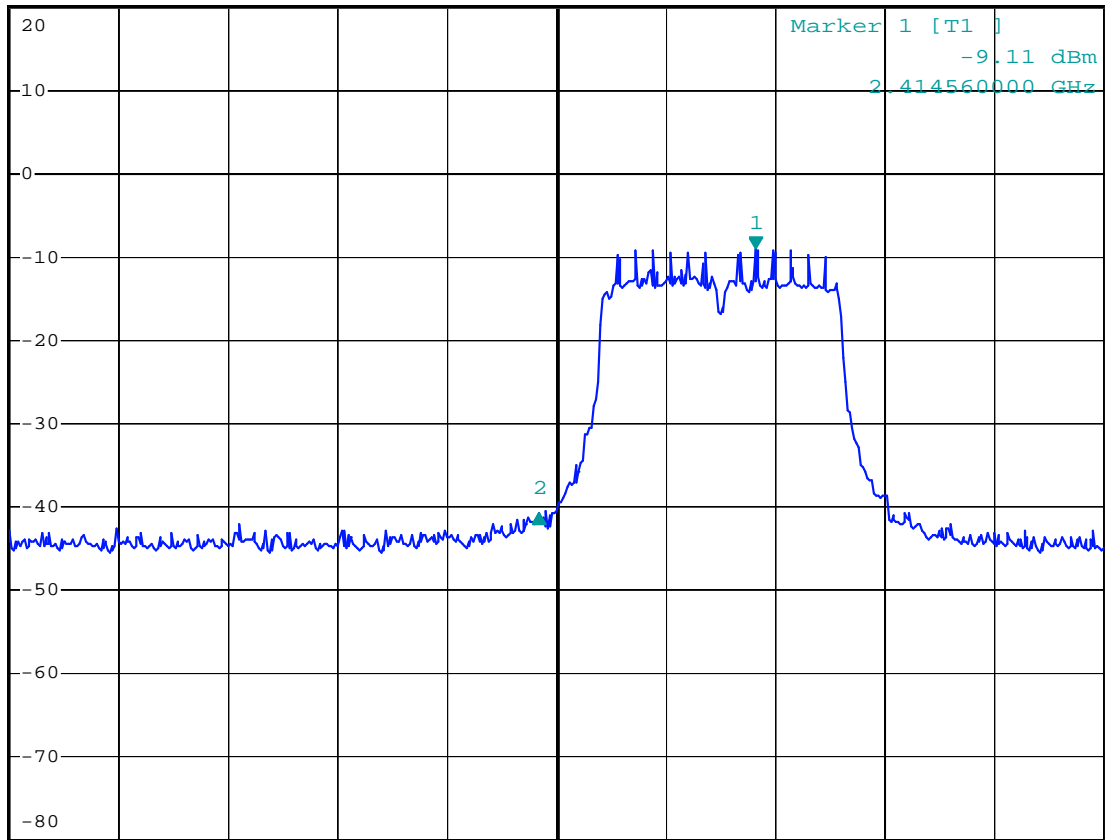


\*RBW 100 kHz    Delta 2 [T1 ]  
\*VBW 300 kHz                    -31.57 dB  
\*SWT 10 ms                        -15.840000000 MHz

Ref 20 dBm

Att 50 dB

1 PK  
MAXH



Center 2.4 GHz

8 MHz/

Span 80 MHz

Date: 8.OCT.2012 17:10:04

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

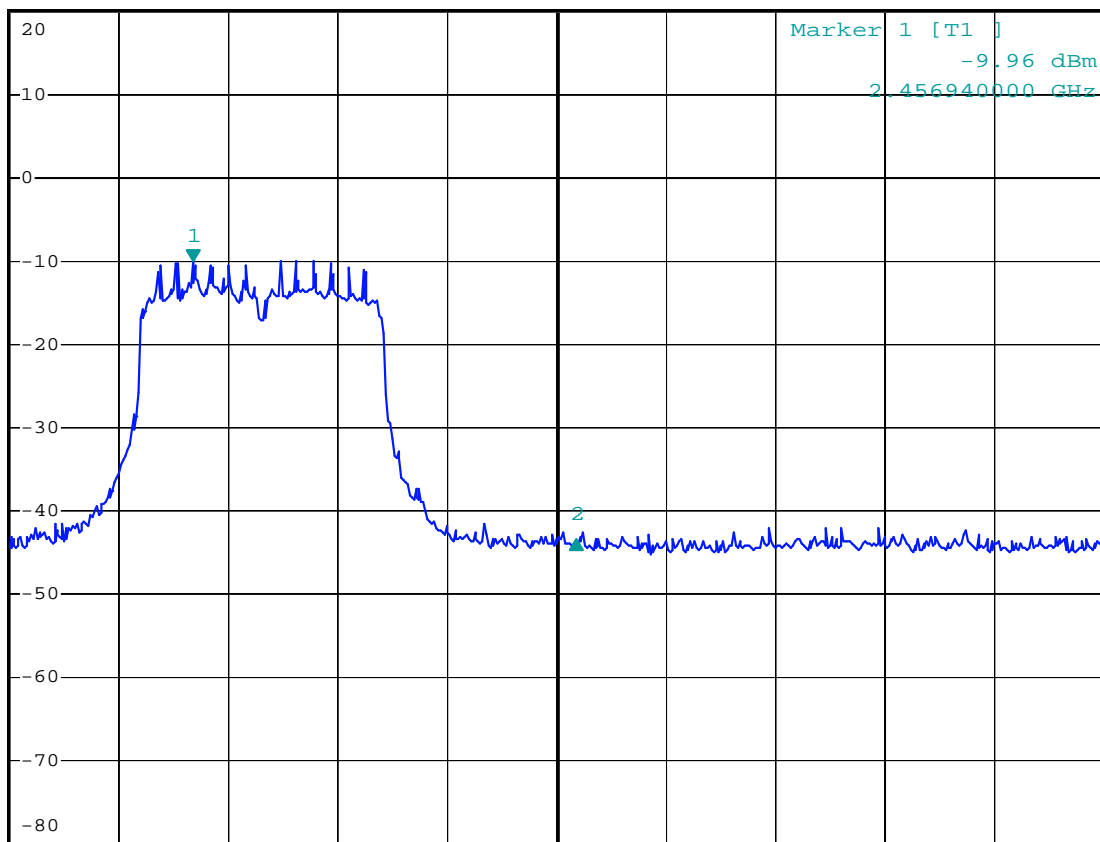


\*RBW 100 kHz    Delta 2 [T1 ]  
\*VBW 300 kHz                    -33.44 dB  
\*SWT 10 ms                        28.000000000 MHz

Ref 20 dBm

Att 50 dB

1 PK  
MAXH



Marker 1 [T1 ]  
-9.96 dBm  
2.456940000 GHz

A

3DB

Center 2.4835 GHz

8 MHz/

Span 80 MHz

Date: 8.OCT.2012 17:11:07

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

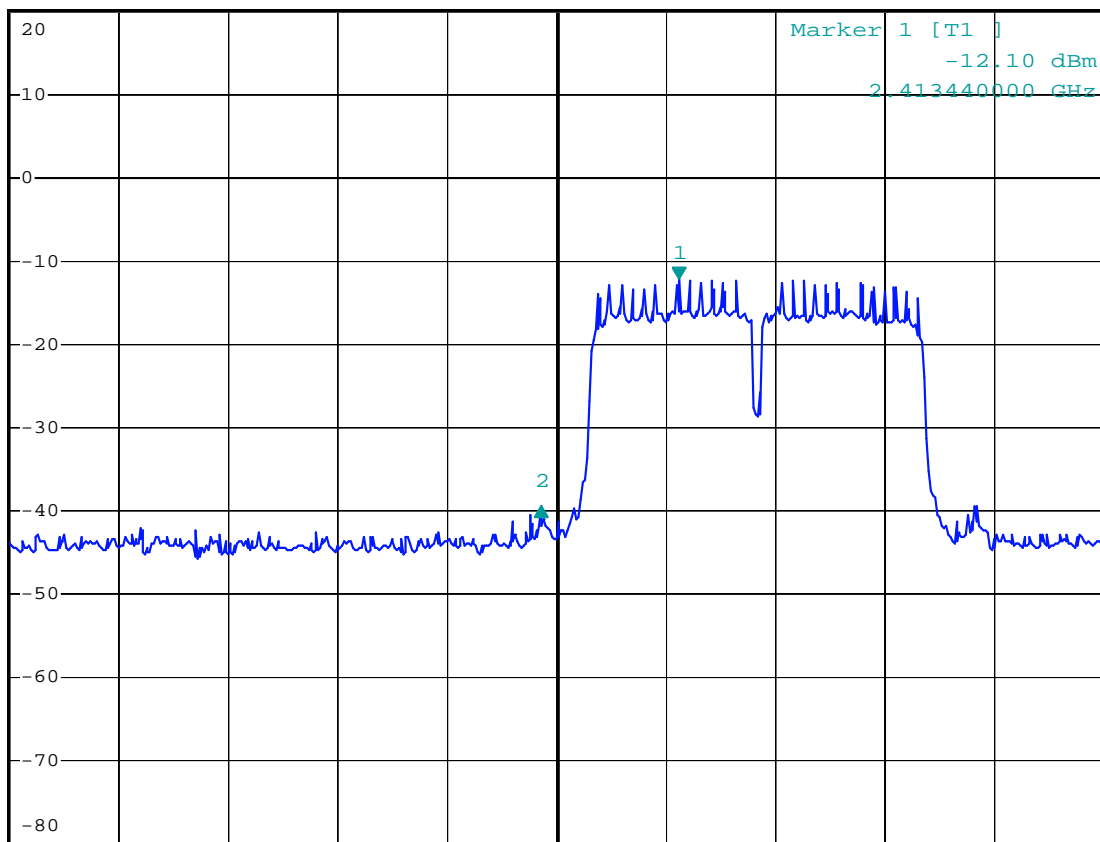


\*RBW 100 kHz    Delta 2 [T1 ]  
\*VBW 300 kHz                    -27.28 dB  
\*SWT 15 ms                        -15.120000000 MHz

Ref 20 dBm

Att 50 dB

1 PK  
MAXH



Center 2.4 GHz

12 MHz/

Span 120 MHz

Date: 8.OCT.2012 17:49:49

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

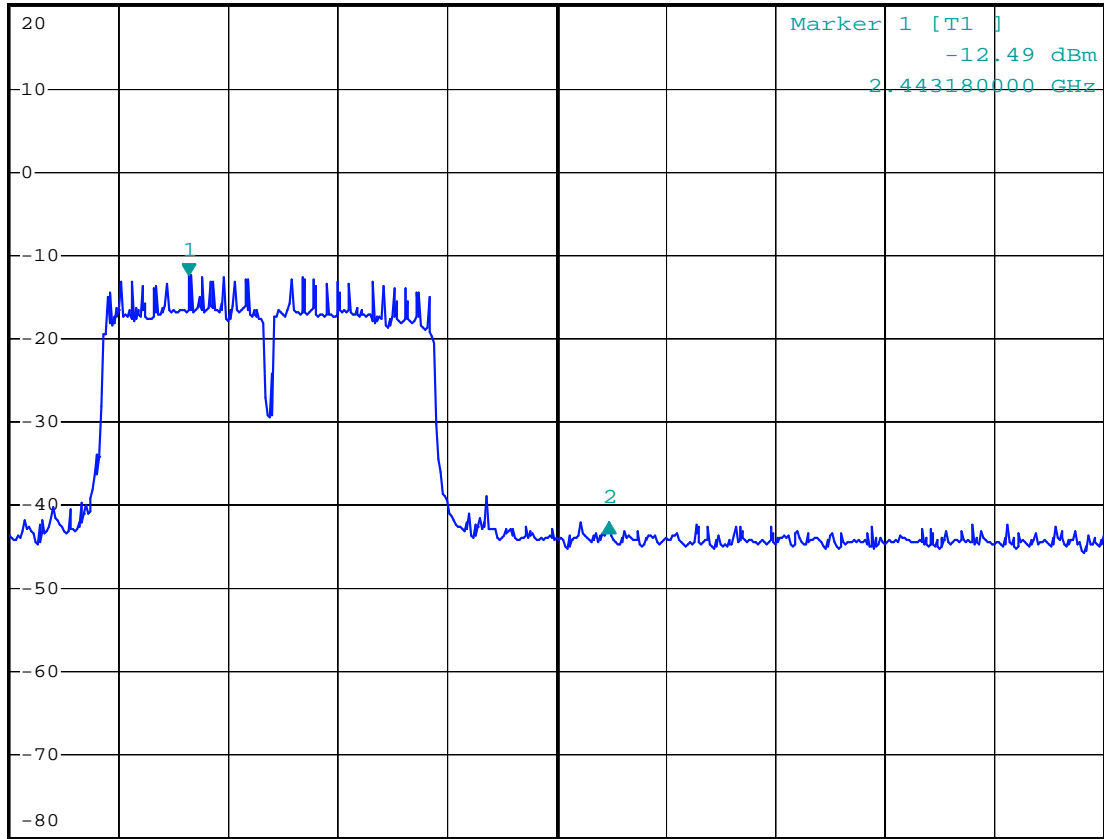


\*RBW 100 kHz    Delta 2 [T1 ]  
\*VBW 300 kHz                    -29.51 dB  
\*SWT 15 ms                        46.08000000 MHz

Ref 20 dBm

Att 50 dB

1 PK  
MAXH



Center 2.4835 GHz

12 MHz/

Span 120 MHz

Date: 8.OCT.2012 17:50:45

**Radiated Band Edge Result**

Date of Test:	<u>October 10, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC435</u>	Power Supply:	<u>DC 5V(POWER BY PC)</u>
Test Mode:	<u>802.11b Channel Low 2412MHz</u>	Test Engineer:	<u>Pei</u>

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	32.58	45.23	-7.81	24.77	37.42	54.00	74.00	-29.23	-36.58	Vertical
2376.552	33.59	46.68	-7.61	25.98	39.07	54.00	74.00	-28.02	-34.93	Vertical
2390.000	37.42	49.13	-7.53	29.89	41.60	54.00	74.00	-24.11	-32.40	Vertical
2310.000	31.02	44.37	-7.81	23.21	36.56	54.00	74.00	-30.79	-37.44	Horizontal
2377.819	32.24	46.51	-7.61	24.63	38.90	54.00	74.00	-29.37	-35.10	Horizontal
2390.000	32.90	44.71	-7.53	25.37	37.18	54.00	74.00	-28.63	-36.82	Horizontal

## 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:  

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$
3. Display the measurement of peak values.

Date of Test:	<u>October 10, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC435</u>	Power Supply:	<u>DC 5V(POWER BY PC)</u>
Test Mode:	<u>802.11b Channel High 2462MHz</u>	Test Engineer:	<u>Pei</u>

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	33.23	44.61	-7.37	25.86	37.24	54.00	74.00	-28.14	-36.76	Vertical
2486.558	34.58	47.02	-7.38	27.20	39.64	54.00	74.00	-26.80	-34.36	Vertical
2500.000	32.58	44.10	-7.40	25.18	36.70	54.00	74.00	-28.82	-37.30	Vertical
2483.500	32.33	45.29	-7.37	24.96	37.92	54.00	74.00	-29.04	-36.08	Horizontal
2487.982	31.68	46.76	-7.38	24.30	39.38	54.00	74.00	-29.70	-34.62	Horizontal
2500.000	33.25	45.20	-7.40	25.82	37.810	54.00	74.00	-28.15	-36.20	Horizontal

## 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.

Date of Test:	<u>October 10, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC435</u>	Power Supply:	<u>DC 5V(POWER BY PC)</u>
Test Mode:	<u>802.11g Channel Low 2412MHz</u>	Test Engineer:	<u>Pei</u>

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	33.48	47.11	-7.81	25.67	39.30	54.00	74.00	-28.33	-34.70	Vertical
2383.034	44.96	59.96	-7.57	37.39	52.39	54.00	74.00	-16.61	-21.61	Vertical
2390.000	50.43	74.81	-7.53	42.90	67.28	54.00	74.00	-11.10	-6.72	Vertical
2310.000	30.20	45.16	-7.81	22.39	37.35	54.00	74.00	-31.61	-36.65	Horizontal
2384.586	39.65	55.16	-7.56	32.09	47.60	54.00	74.00	-21.91	-26.40	Horizontal
2390.000	42.36	59.34	-7.53	34.83	51.81	54.00	74.00	-19.17	-22.19	Horizontal

## 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:  

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$
3. Display the measurement of peak values.

Date of Test:	<u>October 10, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC435</u>	Power Supply:	<u>DC 5V(POWER BY PC)</u>
Test Mode:	<u>802.11g Channel High 2462MHz</u>	Test Engineer:	<u>Pei</u>

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	57.57	69.97	-7.37	50.20	62.60	54.00	74.00	-3.80	-11.40	Vertical
2487.507	45.36	60.86	-7.38	37.98	53.48	54.00	74.00	-16.02	-20.52	Vertical
2500.000	36.55	47.63	-7.40	29.15	40.23	54.00	74.00	-24.85	-33.77	Vertical
2483.500	38.96	50.96	-7.37	31.59	43.59	54.00	74.00	-22.41	-30.41	Horizontal
2488.141	36.68	46.97	-7.38	29.30	39.59	54.00	74.00	-24.70	-34.41	Horizontal
2500.000	34.50	45.54	-7.40	27.10	38.14	54.00	74.00	-26.90	-35.86	Horizontal

## 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.



Date of Test:	<u>October 10, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC435</u>	Power Supply:	<u>DC 5V(POWER BY PC)</u>
	<u>802.11n Channel Low 2412MHz</u>		
Test Mode:	<u>(20MHz)</u>	Test Engineer:	<u>Pei</u>

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	32.68	47.52	-7.81	24.87	39.71	54.00	74.00	-29.13	-34.29	Vertical
2386.700	47.32	63.70	-7.54	39.78	56.16	54.00	74.00	-14.22	-17.84	Vertical
2390.000	52.02	72.88	-7.53	44.49	65.35	54.00	74.00	-9.51	-8.65	Vertical
2310.000	32.20	47.07	-7.81	24.39	39.26	54.00	74.00	-29.61	-34.74	Horizontal
2385.857	37.21	53.69	-7.56	29.65	46.13	54.00	74.00	-24.35	-27.87	Horizontal
2390.000	39.11	59.15	-7.53	31.58	51.62	54.00	74.00	-22.42	-22.38	Horizontal

## 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:  

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$
3. Display the measurement of peak values.

Date of Test:	<u>October 10, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC435</u>	Power Supply:	<u>DC 5V(POWER BY PC)</u>
Test Mode:	<u>802.11n Channel High 2462MHz (20MHz)</u>	Test Engineer:	<u>Pei</u>

Frequency (MHz)	Reading(dB $\mu$ V/m)		Factor(dB) Corr.	Result(dB $\mu$ V/m)		Limit(dB $\mu$ V/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	46.57	71.24	-7.37	39.20	63.87	54.00	74.00	-14.80	-10.13	Vertical
2492.737	34.23	52.75	-7.39	26.84	45.36	54.00	74.00	-27.16	-28.64	Vertical
2500.000	31.79	48.26	-7.40	24.39	40.86	54.00	74.00	-29.61	-33.14	Vertical
2483.500	30.20	47.00	-7.37	22.83	39.63	54.00	74.00	-31.17	-34.37	Horizontal
2487.824	28.90	47.07	-7.38	21.52	36.69	54.00	74.00	-32.48	-34.31	Horizontal
2500.000	26.36	45.85	-7.40	18.96	38.45	54.00	74.00	-35.04	-35.55	Horizontal

## 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.

Date of Test:	October 10, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	PC435	Power Supply:	DC 5V(POWER BY PC)
Test Mode:	802.11n Channel Low 2422MHz (40MHz)	Test Engineer:	Pei

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	31.28	44.43	-7.81	23.47	36.62	54.00	74.00	-30.53	-37.38	Vertical
2379.640	51.56	63.50	-7.59	43.97	55.91	54.00	74.00	-10.03	-18.09	Vertical
2390.000	58.03	67.94	-7.53	50.50	60.41	54.00	74.00	-3.50	-13.59	Vertical
2310.000	33.24	44.72	-7.81	25.43	36.91	54.00	74.00	-28.57	-37.09	Horizontal
2379.640	34.25	50.57	-7.59	26.66	42.98	54.00	74.00	-27.34	-31.02	Horizontal
2390.000	34.68	45.39	-7.53	27.15	37.86	54.00	74.00	-26.85	-36.14	Horizontal

## 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.

Date of Test:	<u>October 10, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC435</u>	Power Supply:	<u>DC 5V(POWER BY PC)</u>
Test Mode:	<u>802.11n Channel High 2452MHz (40MHz)</u>	Test Engineer:	<u>Pei</u>

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	55.23	62.02	-7.37	47.86	54.65	54.00	74.00	-6.14	-19.35	Vertical
2487.746	53.36	66.13	-7.38	45.98	58.75	54.00	74.00	-8.02	-15.25	Vertical
2500.000	45.52	52.39	-7.40	38.12	44.99	54.00	74.00	-15.88	-29.01	Vertical
2483.500	34.25	45.31	-7.37	26.88	37.94	54.00	74.00	-27.12	-36.06	Horizontal
2487.116	31.75	46.32	-7.38	24.37	38.94	54.00	74.00	-29.63	-35.06	Horizontal
2500.000	32.64	46.87	-7.40	25.24	39.47	54.00	74.00	-28.76	-34.53	Horizontal

## 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.



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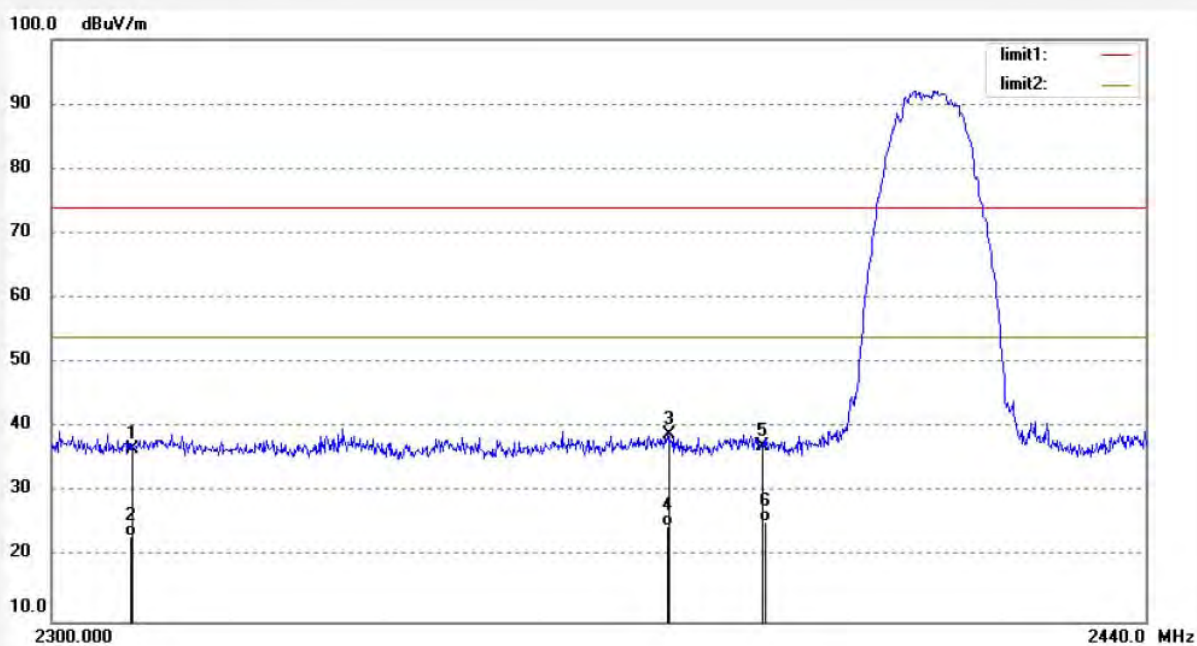
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #916  
Standard: FCC 15C PK  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 51 %  
EUT: MID  
Mode: TX Channel 1(802.11b)  
Model: PC435  
Manufacturer: Natural Sound

Polarization: Horizontal  
Power Source: DC 5V(Power by PC)  
Date: 12/10/10  
Time: 9/03/12  
Engineer Signature: Bob  
Distance: 3m

Note: Report No.:ATE20122303



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	44.37	-7.81	36.56	74.00	-37.44	peak			
2	2310.000	31.02	-7.81	23.21	54.00	-30.79	AVG			
3	2377.819	46.51	-7.61	38.90	74.00	-35.10	peak			
4	2377.819	32.24	-7.61	24.63	54.00	-29.37	AVG			
5	2390.000	44.71	-7.53	37.18	74.00	-36.82	peak			
6	2390.000	32.90	-7.53	25.37	54.00	-28.63	AVG			



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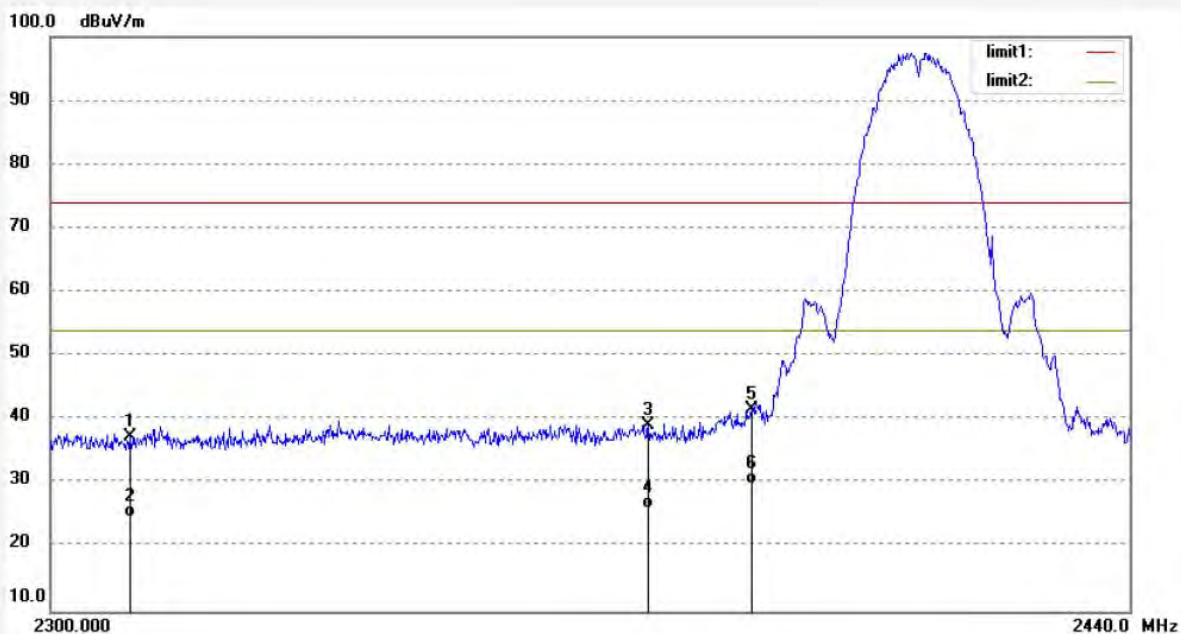
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #917  
Standard: FCC 15C PK  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 51 %  
EUT: MID  
Mode: TX Channel 1(802.11b)  
Model: PC435  
Manufacturer: Natural Sound

Polarization: Vertical  
Power Source: DC 5V(Power by PC)  
Date: 12/10/10  
Time: 9/07/37  
Engineer Signature: Bob  
Distance: 3m

Note: Report No.:ATE20122303



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	45.23	-7.81	37.42	74.00	-36.58	peak			
2	2310.000	32.58	-7.81	24.77	54.00	-29.23	AVG			
3	2376.552	46.68	-7.61	39.07	74.00	-34.93	peak			
4	2376.552	33.59	-7.61	25.98	54.00	-28.02	AVG			
5	2390.000	49.13	-7.53	41.60	74.00	-32.40	peak			
6	2390.000	37.42	-7.53	29.89	54.00	-24.11	AVG			





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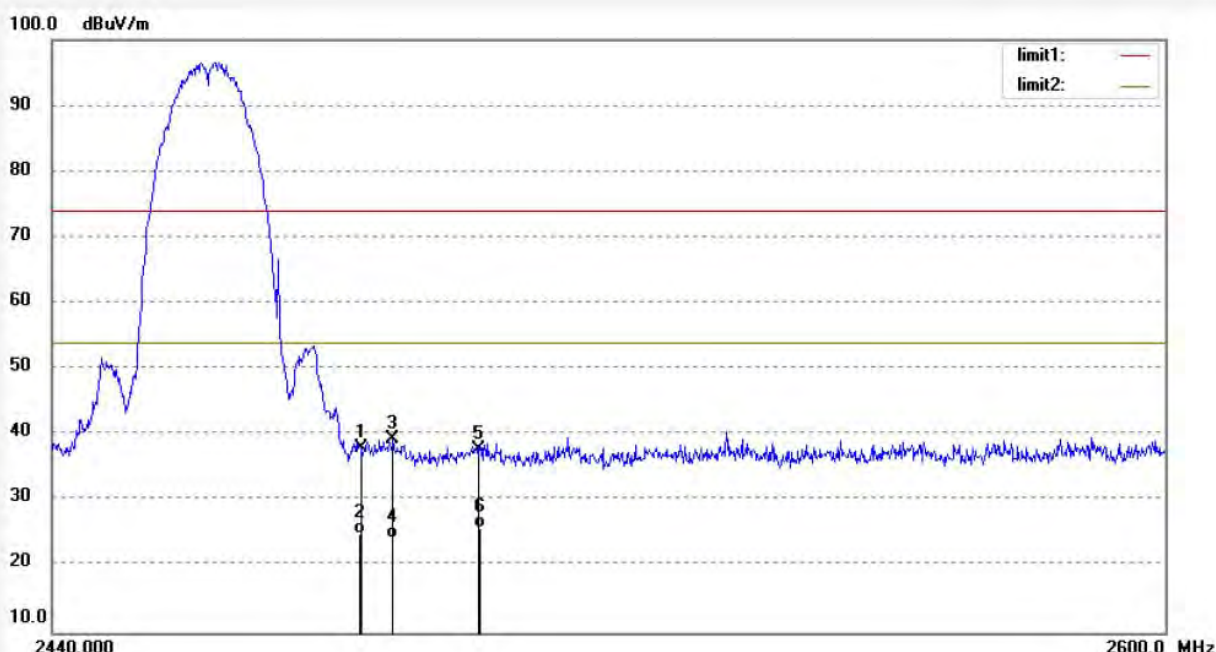
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #918  
Standard: FCC 15C PK  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 51 %  
EUT: MID  
Mode: TX Channel 11(802.11b)  
Model: PC435  
Manufacturer: Natural Sound

Polarization: Horizontal  
Power Source: DC 5V(Power by PC)  
Date: 12/10/10  
Time: 9/11/10  
Engineer Signature: Bob  
Distance: 3m

Note: Report No.:ATE20122303



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	45.29	-7.37	37.92	74.00	-36.08	peak			
2	2483.500	32.33	-7.37	24.96	54.00	-29.04	AVG			
3	2487.982	46.76	-7.38	39.38	74.00	-34.62	peak			
4	2487.982	31.68	-7.38	24.30	54.00	-29.70	AVG			
5	2500.000	45.20	-7.40	37.80	74.00	-36.20	peak			
6	2500.000	33.25	-7.40	25.85	54.00	-28.15	AVG			



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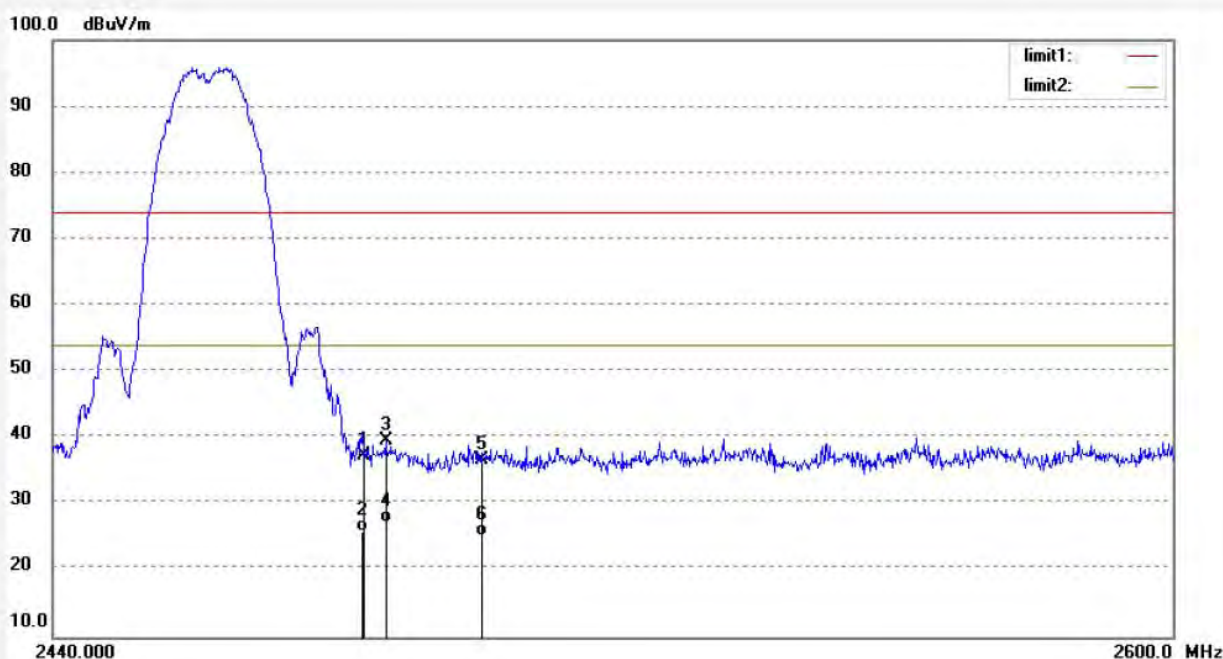
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #919  
Standard: FCC 15C PK  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 51 %  
EUT: MID  
Mode: TX Channel 11(802.11b)  
Model: PC435  
Manufacturer: Natural Sound

Polarization: Vertical  
Power Source: DC 5V(Power by PC)  
Date: 12/10/10  
Time: 9/16/29  
Engineer Signature: Bob  
Distance: 3m

Note: Report No.:ATE20122303



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	44.61	-7.37	37.24	74.00	-36.76	peak			
2	2483.500	33.23	-7.37	25.86	54.00	-28.14	AVG			
3	2486.558	47.02	-7.38	39.64	74.00	-34.36	peak			
4	2486.558	34.58	-7.38	27.20	54.00	-26.80	AVG			
5	2500.000	44.10	-7.40	36.70	74.00	-37.30	peak			
6	2500.000	32.58	-7.40	25.18	54.00	-28.82	AVG			





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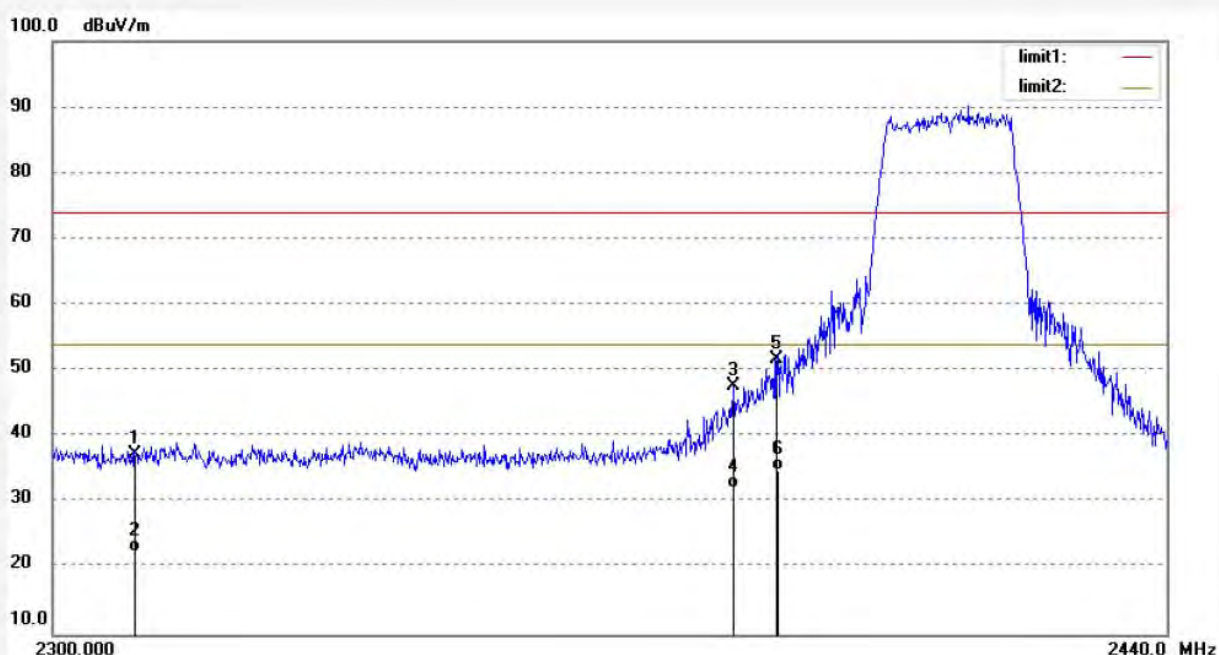
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #922  
Standard: FCC 15C PK  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 51 %  
EUT: MIDe  
Mode: TX Channel 1(802.11g)  
Model: PC435  
Manufacturer: Natural Sound

Polarization: Horizontal  
Power Source: DC 5V(Power by PC)  
Date: 12/10/10  
Time: 9/27/21  
Engineer Signature: Bob  
Distance: 3m

Note: Report No.:ATE20122303



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	45.16	-7.81	37.35	74.00	-36.65	peak			
2	2310.000	30.20	-7.81	22.39	54.00	-31.61	AVG			
3	2384.586	55.16	-7.56	47.60	74.00	-26.40	peak			
4	2384.586	39.65	-7.56	32.09	54.00	-21.91	AVG			
5	2390.000	59.34	-7.53	51.81	74.00	-22.19	peak			
6	2390.000	42.36	-7.53	34.83	54.00	-19.17	AVG			



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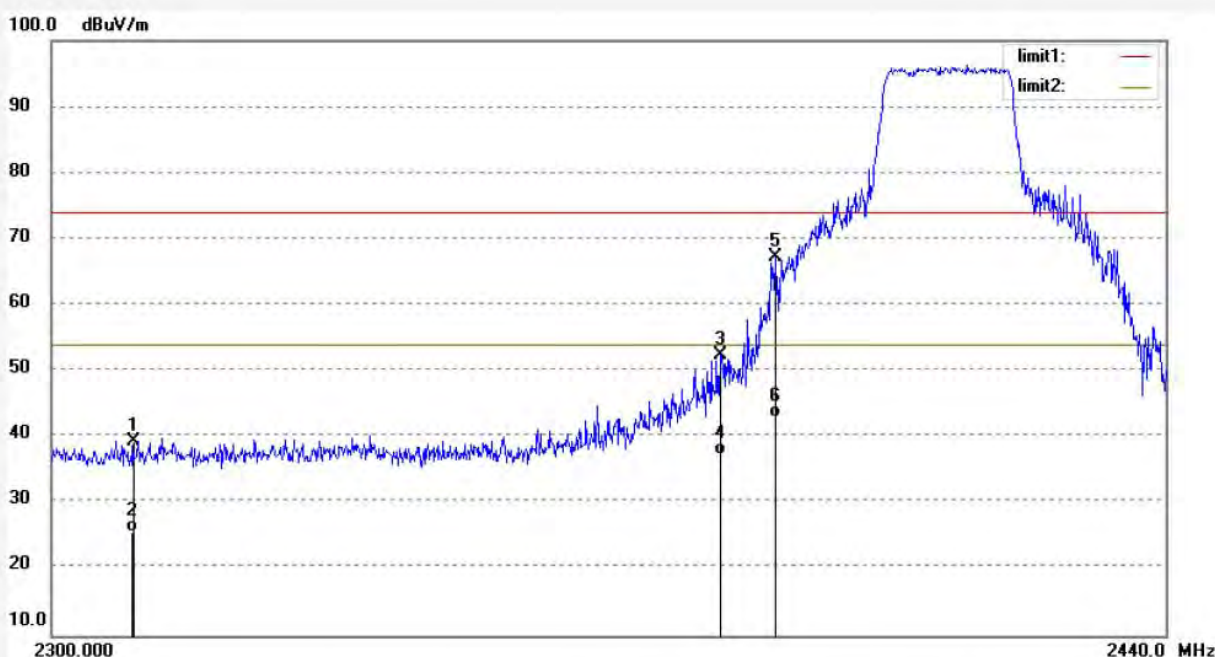
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #923  
Standard: FCC 15C PK  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 51 %  
EUT: MID  
Mode: TX Channel 1(802.11g)  
Model: PC435  
Manufacturer: Natural Sound

Polarization: Vertical  
Power Source: DC 5V(Power by PC)  
Date: 12/10/10  
Time: 9/31/42  
Engineer Signature: Bob  
Distance: 3m

Note: Report No.:ATE20122303



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	47.11	-7.81	39.30	74.00	-34.70	peak			
2	2310.000	33.48	-7.81	25.67	54.00	-28.33	AVG			
3	2383.034	59.96	-7.57	52.39	74.00	-21.61	peak			
4	2383.034	44.96	-7.57	37.39	54.00	-16.61	AVG			
5	2390.000	74.81	-7.53	67.28	74.00	-6.72	peak			
6	2390.000	50.43	-7.53	42.90	54.00	-11.10	AVG			





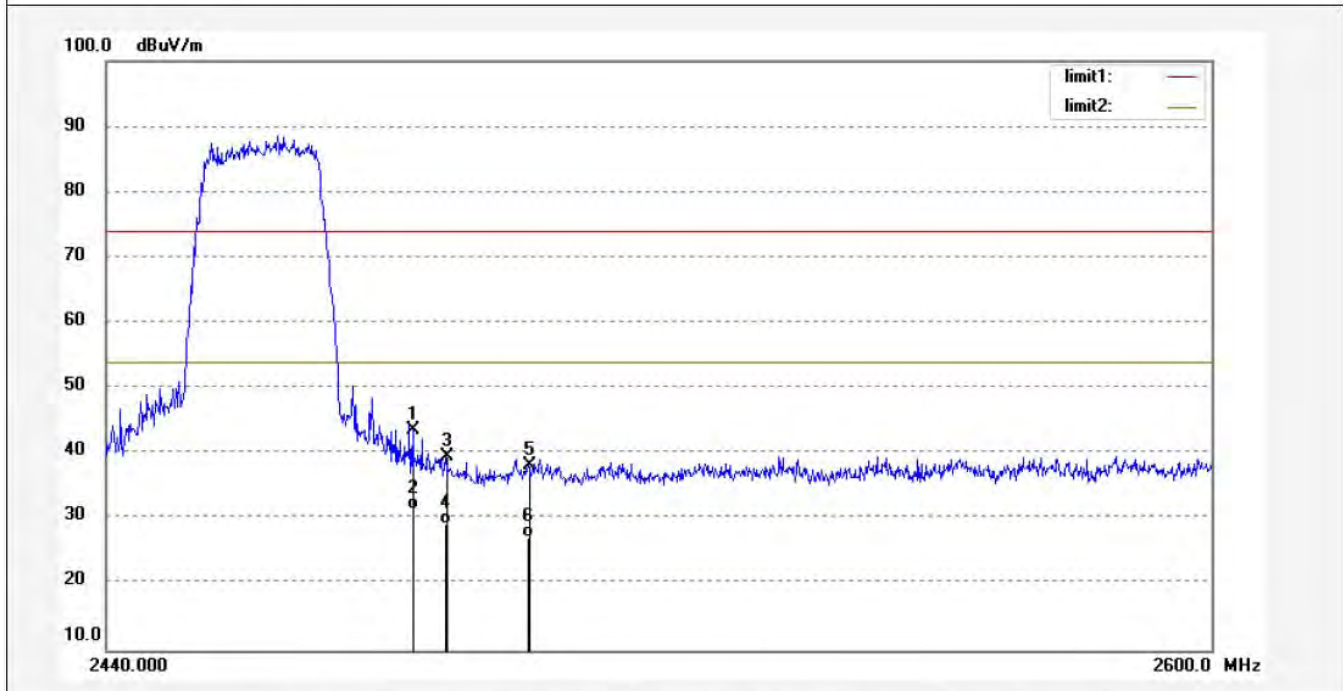
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F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #921	Polarization: Horizontal
Standard: FCC 15C PK	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 12/10/10
Temp.( C)/Hum.(%) 25 C / 51 %	Time: 9/23/41
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 11(802.11g)	Distance: 3m
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



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	50.96	-7.37	43.59	74.00	-30.41	peak			
2	2483.500	38.96	-7.37	31.59	54.00	-22.41	AVG			
3	2488.141	46.97	-7.38	39.59	74.00	-34.41	peak			
4	2488.141	36.68	-7.38	29.30	54.00	-24.70	AVG			
5	2500.000	45.54	-7.40	38.14	74.00	-35.86	peak			
6	2500.000	34.50	-7.40	27.10	54.00	-26.90	AVG			


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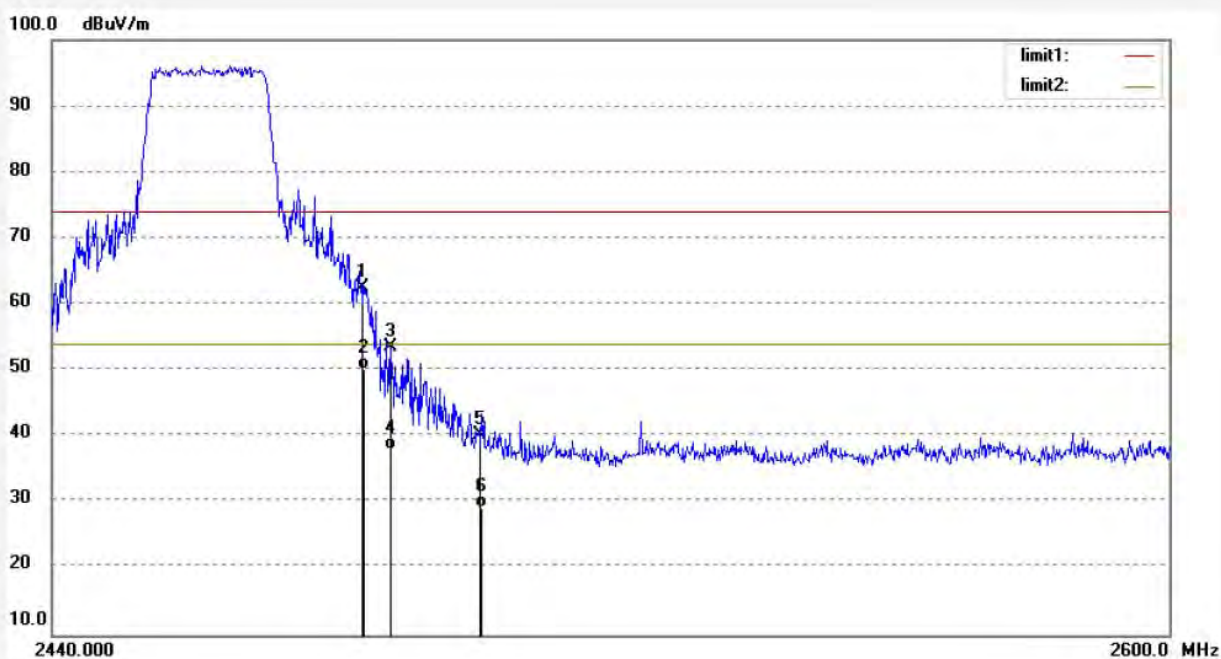
 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

 Job No.: Bob #920  
 Standard: FCC 15C PK  
 Test item: Radiation Test  
 Temp.( C)/Hum.(%) 25 C / 51 %  
 EUT: MID  
 Mode: TX Channel 11(802.11g)  
 Model: PC435  
 Manufacturer: Natural Sound

 Polarization: Vertical  
 Power Source: DC 5V(Power by PC)  
 Date: 12/10/10  
 Time: 9/20/13  
 Engineer Signature: Bob  
 Distance: 3m

Note: Report No.:ATE20122303



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	69.97	-7.37	62.60	74.00	-11.40	peak			
2	2483.500	57.57	-7.37	50.20	54.00	-3.80	AVG			
3	2487.507	60.86	-7.38	53.48	74.00	-20.52	peak			
4	2487.507	45.36	-7.38	37.98	54.00	-16.02	AVG			
5	2500.000	47.63	-7.40	40.23	74.00	-33.77	peak			
6	2500.000	36.55	-7.40	29.15	54.00	-24.85	AVG			





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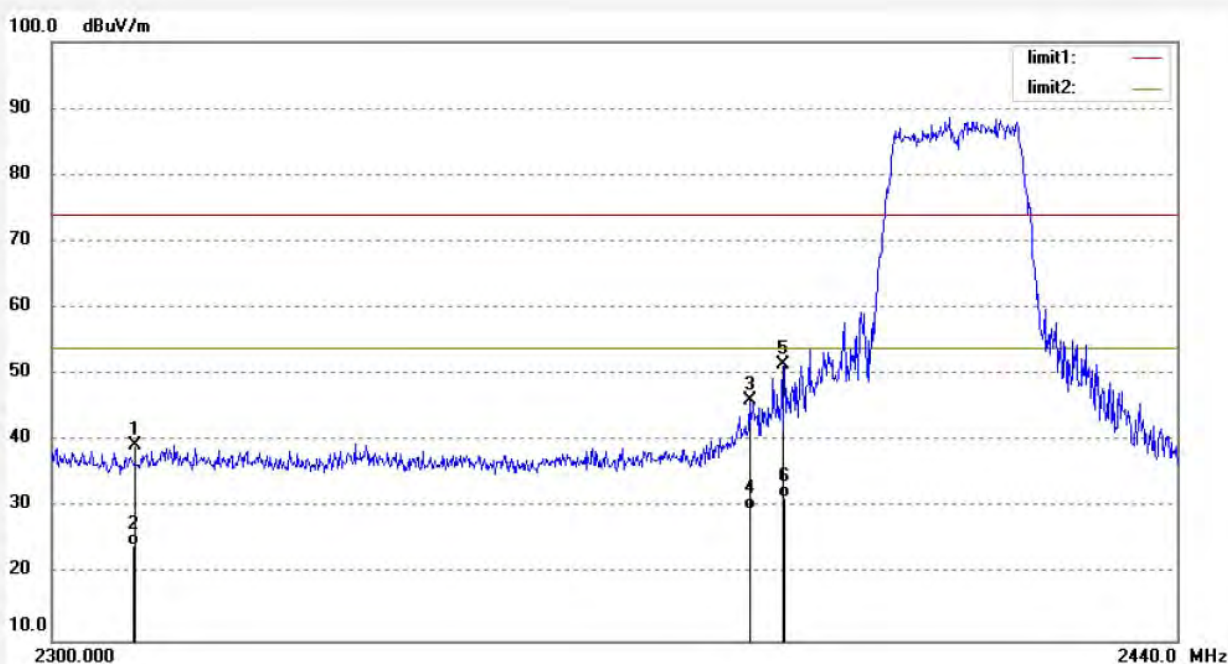
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #925  
Standard: FCC 15C PK  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 51 %  
EUT: MID  
Mode: TX Channel 1(802.11n)  
Model: PC435  
Manufacturer: Natural Sound

Polarization: Horizontal  
Power Source: DC 5V(Power by PC)  
Date: 12/10/10  
Time: 9/40/12  
Engineer Signature: Bob  
Distance: 3m

Note: Report No.:ATE20122303



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	47.07	-7.81	39.26	74.00	-34.74	peak			
2	2310.000	32.20	-7.81	24.39	54.00	-29.61	AVG			
3	2385.857	53.69	-7.56	46.13	74.00	-27.87	peak			
4	2385.857	37.21	-7.56	29.65	54.00	-24.35	AVG			
5	2390.000	59.15	-7.53	51.62	74.00	-22.38	peak			
6	2390.000	39.11	-7.53	31.58	54.00	-22.42	AVG			



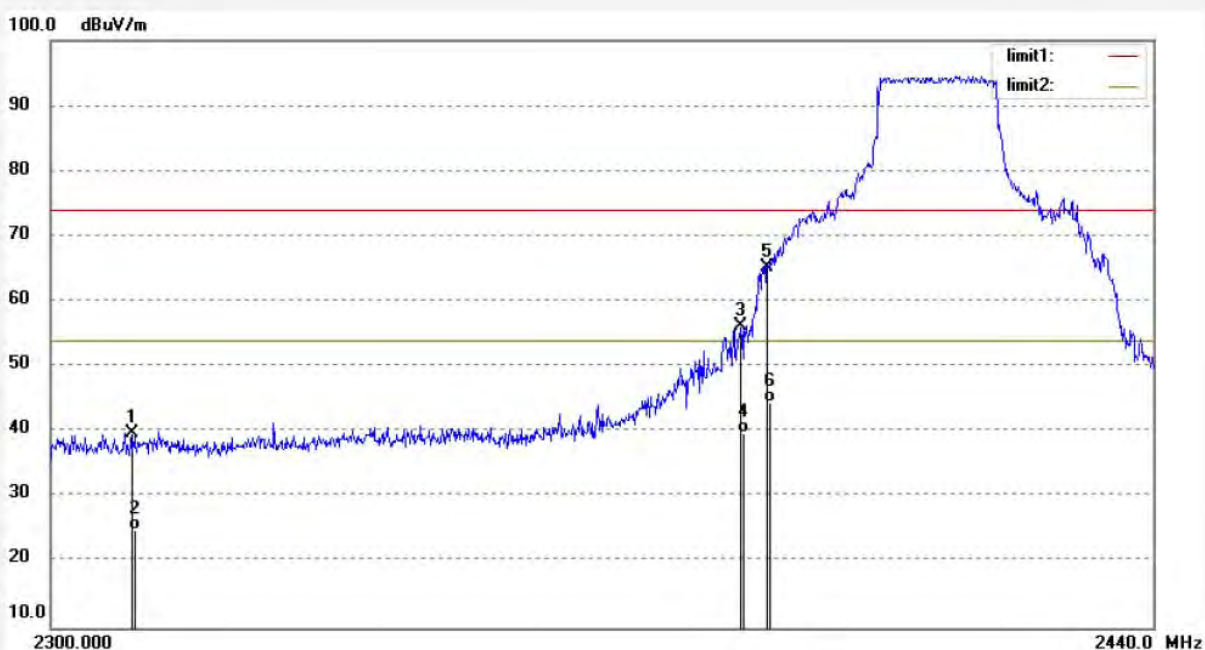
**ACCURATE TECHNOLOGY CO., LTD.**

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.: Bob #924	Polarization: Vertical
Standard: FCC 15C PK	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 12/10/10
Temp.( C)/Hum.(%) 25 C / 51 %	Time: 9/36/49
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 1(802.11n)	Distance: 3m
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



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	47.52	-7.81	39.71	74.00	-34.29	peak			
2	2310.000	32.68	-7.81	24.87	54.00	-29.13	AVG			
3	2386.700	63.70	-7.54	56.16	74.00	-17.84	peak			
4	2386.700	47.32	-7.54	39.78	54.00	-14.22	AVG			
5	2390.000	72.88	-7.53	65.35	74.00	-8.65	peak			
6	2390.000	52.02	-7.53	44.49	54.00	-9.51	AVG			





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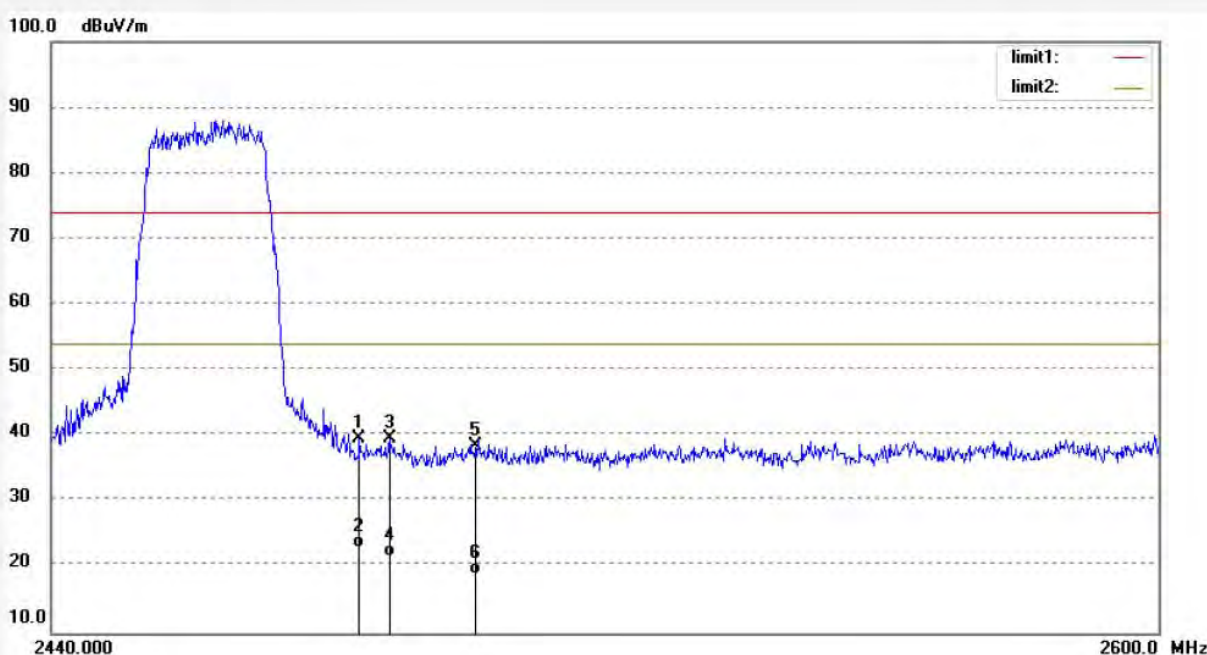
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #926  
Standard: FCC 15C PK  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 51 %  
EUT: MID  
Mode: TX Channel 11(802.11n)  
Model: PC435  
Manufacturer: Natural Sound

Polarization: Horizontal  
Power Source: DC 5V(Power by PC)  
Date: 12/10/10  
Time: 9/44/05  
Engineer Signature: Bob  
Distance: 3m

Note: Report No.:ATE20122303



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	47.00	-7.37	39.63	74.00	-34.37	peak			
2	2483.500	30.20	-7.37	22.83	54.00	-31.17	AVG			
3	2487.824	47.07	-7.38	39.69	74.00	-34.31	peak			
4	2487.824	28.90	-7.38	21.52	54.00	-32.48	AVG			
5	2500.000	45.85	-7.40	38.45	74.00	-35.55	peak			
6	2500.000	26.36	-7.40	18.96	54.00	-35.04	AVG			



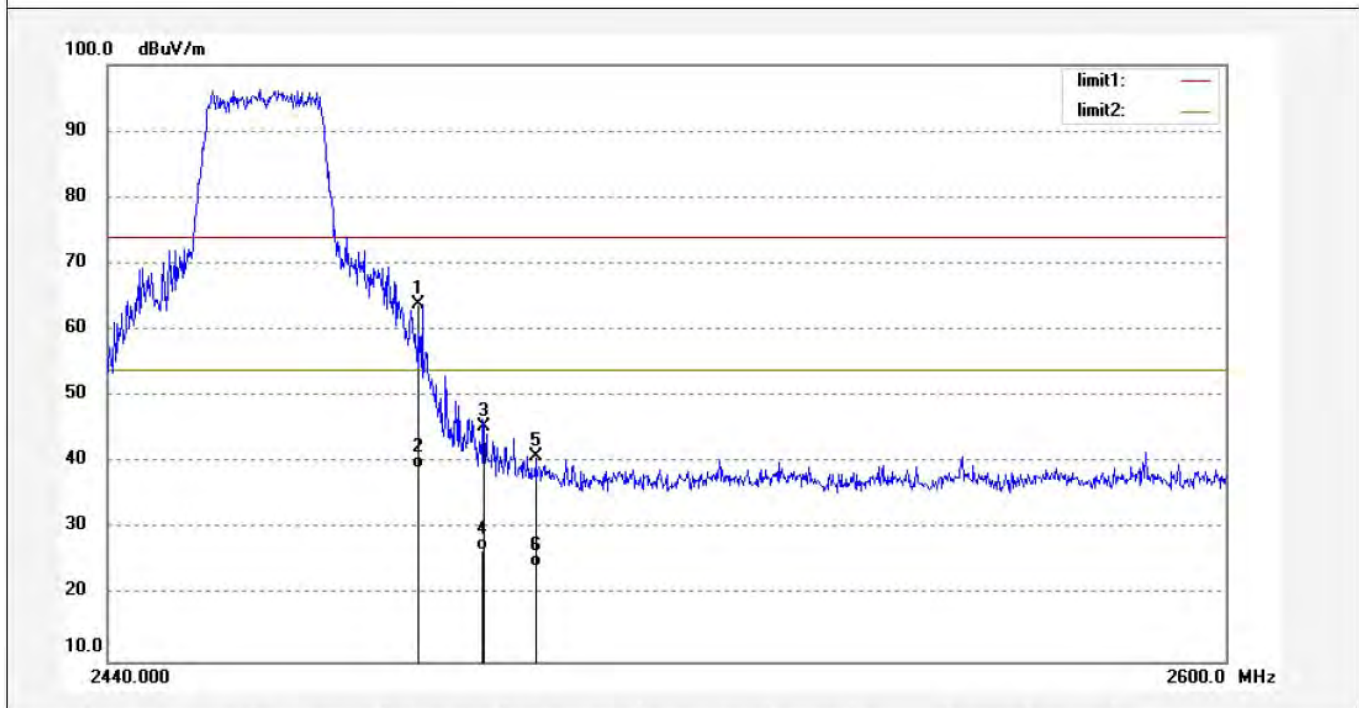
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Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #927	Polarization: Vertical
Standard: FCC 15C PK	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 12/10/10
Temp.( C)/Hum.(%) 25 C / 51 %	Time: 9/48/14
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 11(802.11n)	Distance: 3m
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



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	71.24	-7.37	63.87	74.00	-10.13	peak			
2	2483.500	46.57	-7.37	39.20	54.00	-14.80	AVG			
3	2492.737	52.75	-7.39	45.36	74.00	-28.64	peak			
4	2492.737	34.23	-7.39	26.84	54.00	-27.16	AVG			
5	2500.000	48.26	-7.40	40.86	74.00	-33.14	peak			
6	2500.000	31.79	-7.40	24.39	54.00	-29.61	AVG			




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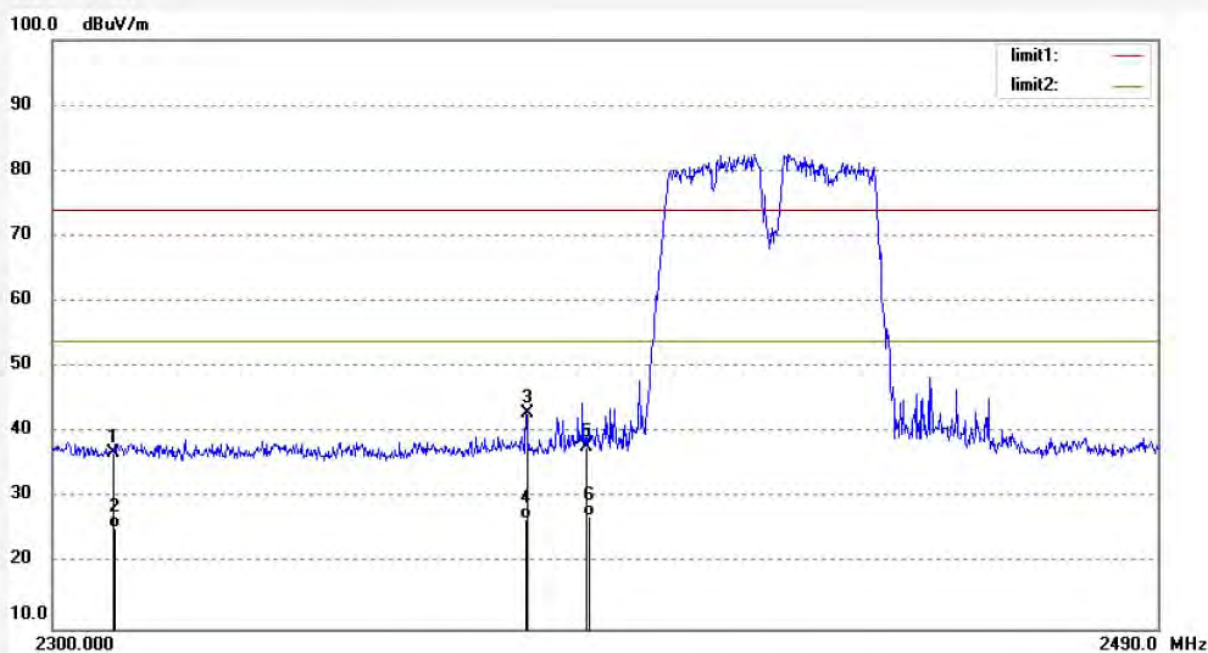
 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

 Job No.: Bob #981  
 Standard: FCC 15C PK  
 Test item: Radiation Test  
 Temp.( C)/Hum.(%) 24 C / 48 %  
 EUT: MID  
 Mode: TX Channel 3(802.11n)  
 Model: PC435  
 Manufacturer: Natural Sound

 Polarization: Horizontal  
 Power Source: DC 5V(Power by PC)  
 Date: 2012/10/10  
 Time: 11:58:03  
 Engineer Signature: Bob  
 Distance: 3m

Note: Report No.:ATE20122303



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	44.72	-7.81	36.91	74.00	-37.09	peak			
2	2310.000	33.24	-7.81	25.43	54.00	-28.57	AVG			
3	2379.640	50.57	-7.59	42.98	74.00	-31.02	peak			
4	2379.640	34.25	-7.59	26.66	54.00	-27.34	AVG			
5	2390.000	45.39	-7.53	37.86	74.00	-36.14	peak			
6	2390.000	34.68	-7.53	27.15	54.00	-26.85	AVG			



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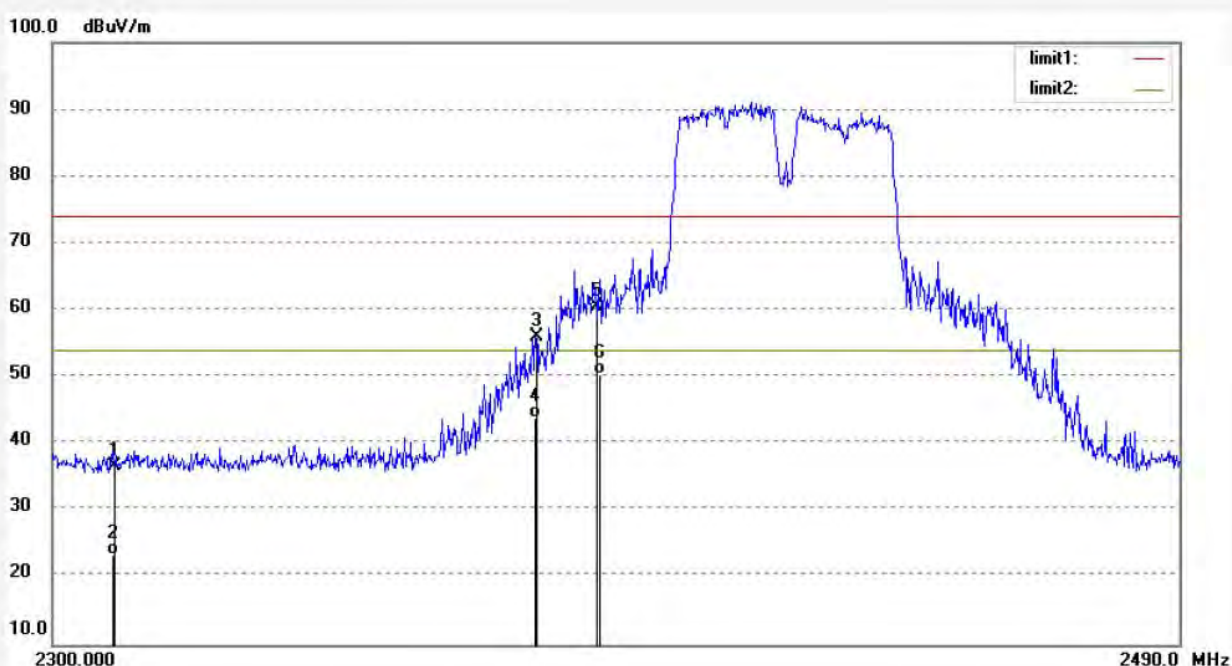
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #980  
Standard: FCC 15C PK  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 24 C / 48 %  
EUT: MID  
Mode: TX Channel 3(802.11n)  
Model: PC435  
Manufacturer: Natural Sound

Polarization: Vertical  
Power Source: DC 5V(Power by PC)  
Date: 2012/10/10  
Time: 11:52:02  
Engineer Signature: Bob  
Distance: 3m

Note: Report No.:ATE20122303



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	44.43	-7.81	36.62	74.00	-37.38	peak			
2	2310.000	31.28	-7.81	23.47	54.00	-30.53	AVG			
3	2379.640	63.50	-7.59	55.91	74.00	-18.09	peak			
4	2379.640	51.56	-7.59	43.97	54.00	-10.03	AVG			
5	2390.000	67.94	-7.53	60.41	74.00	-13.59	peak			
6	2390.000	58.03	-7.53	50.50	54.00	-3.50	AVG			



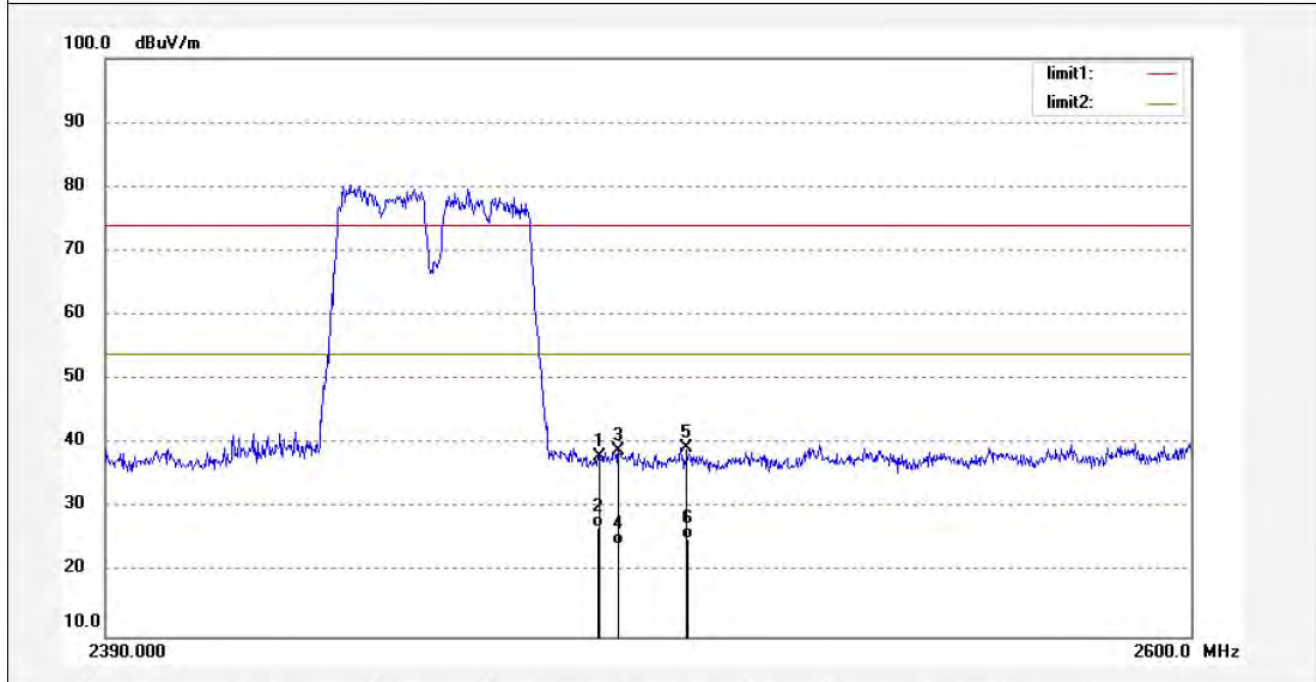
**ACCURATE TECHNOLOGY CO., LTD.**

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.: Bob #982	Polarization: Horizontal
Standard: FCC 15C PK	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 2012/10/10
Temp.( C)/Hum.(%) 24 C / 48 %	Time: 12:02:02
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 9(802.11n)	Distance: 3m
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



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	45.31	-7.37	37.94	74.00	-36.06	peak			
2	2483.500	34.25	-7.37	26.88	54.00	-27.12	AVG			
3	2487.116	46.32	-7.38	38.94	74.00	-35.06	peak			
4	2487.116	31.75	-7.38	24.37	54.00	-29.63	AVG			
5	2500.000	46.87	-7.40	39.47	74.00	-34.53	peak			
6	2500.000	32.64	-7.40	25.24	54.00	-28.76	AVG			





**ACCURATE TECHNOLOGY CO., LTD.**

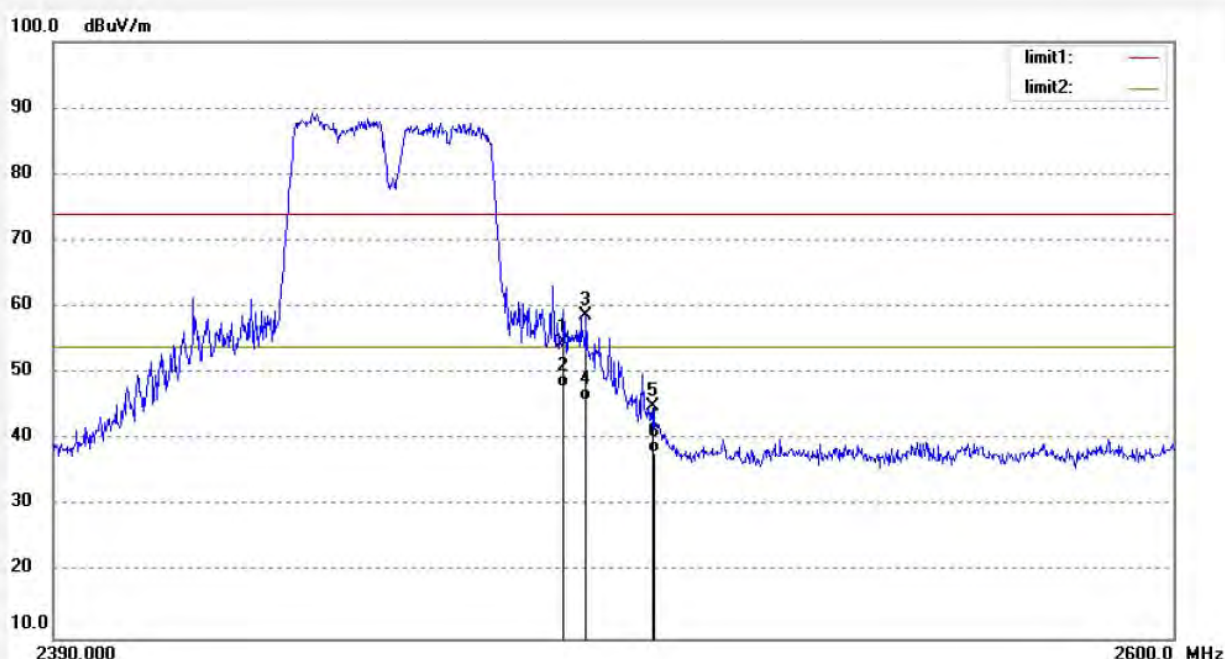
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #983  
Standard: FCC 15C PK  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 24 C / 48 %  
EUT: MID  
Mode: TX Channel 9(802.11n)  
Model: PC435  
Manufacturer: Natural Sound

Polarization: Vertical  
Power Source: DC 5V(Power by PC)  
Date: 2012/10/10  
Time: 12:06:30  
Engineer Signature: Bob  
Distance: 3m

Note: Report No.:ATE20122303

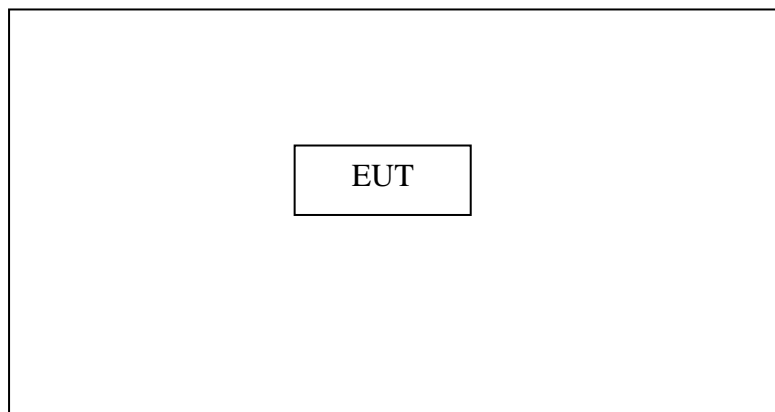


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	62.02	-7.37	54.65	74.00	-19.35	peak			
2	2483.500	55.23	-7.37	47.86	54.00	-6.14	AVG			
3	2487.746	66.13	-7.38	58.75	74.00	-15.25	peak			
4	2487.746	53.36	-7.38	45.98	54.00	-8.02	AVG			
5	2500.000	52.39	-7.40	44.99	74.00	-29.01	peak			
6	2500.000	45.52	-7.40	38.12	54.00	-15.88	AVG			

## 9. RADIATED SPURIOUS EMISSION TEST

### 9.1. Block Diagram of Test Setup

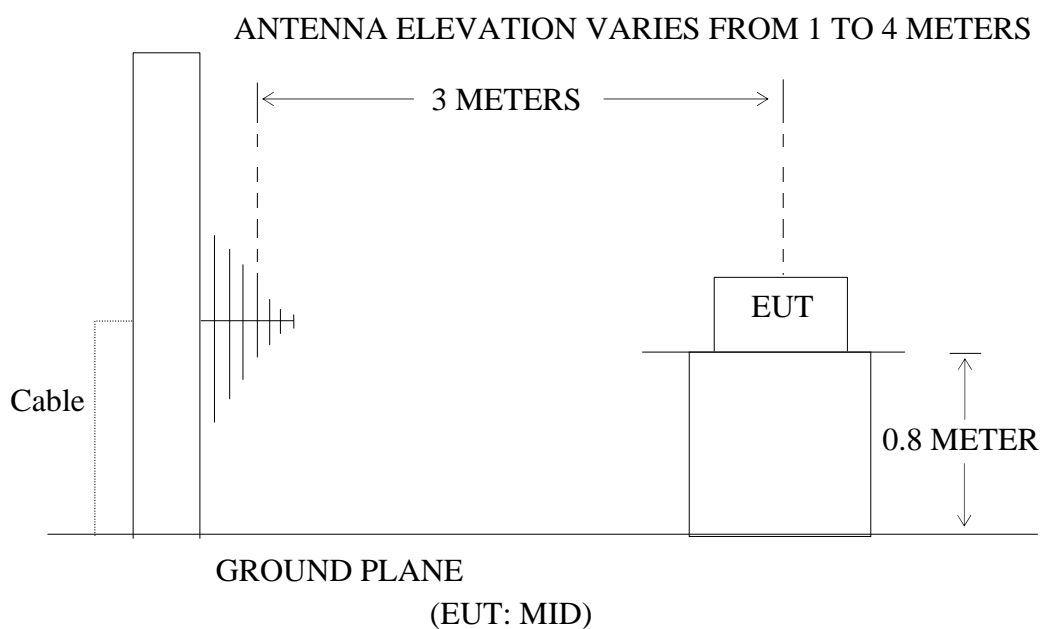
#### 9.1.1. Block diagram of connection between the EUT and peripherals



Setup: Transmitting mode

(EUT: MID)

#### 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 following 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.

### 9.4.1. MID (EUT)

Model Number : PC435  
 Serial Number : N/A  
 Manufacturer : Shenzhen Natural Sound Electronics Co., Ltd.

## 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

**PASS.**

Date of Test:	October 12, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	PC435	Power Supply:	DC 5V(POWER BY PC)
Test Mode:	802.11b Channel Low 2412MHz	Test Engineer:	Pei

### For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

### For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
213.3000	16.06	16.48	32.54	43.50	-10.96	Vertical
533.3000	16.89	24.47	41.36	46.00	-4.64	
740.0000	12.47	27.51	39.98	46.00	-6.02	
213.0340	21.66	16.46	38.12	43.50	-5.38	Horizontal
350.9721	13.16	20.85	34.01	46.00	-11.99	
740.0000	10.21	27.51	37.72	46.00	-8.28	

### For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

**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.**



Date of Test:	October 12, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	PC435	Power Supply:	DC 5V(POWER BY PC)
Test Mode:	802.11b Channel Middle 2437MHz	Test Engineer:	Pei

**For Below 30MHz**

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

**For 30MHz-1000MHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
213.3000	16.01	16.48	32.49	43.50	-11.1	Vertical
533.3000	16.68	24.47	41.15	46.00	-4.85	
740.0000	11.55	27.51	39.06	46.00	-6.94	
213.3000	21.48	16.47	37.95	43.50	-5.55	Horizontal
351.0000	13.46	20.85	34.31	46.00	-11.69	
740.0000	11.23	27.51	38.74	46.00	-7.26	

**For 1GHz-25GHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

**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.**

Date of Test:	October 12, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	PC435	Power Supply:	DC 5V(POWER BY PC)
Test Mode:	802.11b Channel High 2462MHz	Test Engineer:	Pei

**For Below 30MHz**

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

**For 30MHz-1000MHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
213.3000	16.25	16.48	32.73	43.50	-10.77	Vertical
533.30000	16.51	24.47	40.98	46.00	-5.02	
740.0000	11.26	27.51	38.77	46.00	-7.23	
213.3000	20.07	16.47	36.54	43.50	-6.96	Horizontal
533.3000	11.97	24.47	36.44	46.00	-9.56	
740.0000	10.35	27.51	37.86	46.00	-8.14	

**For 1GHz-25GHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

**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.**

Date of Test:	October 12, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	PC435	Power Supply:	DC 5V(POWER BY PC)
Test Mode:	802.11g Channel Low 2412MHz	Test Engineer:	Pei

**For Below 30MHz**

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

**For 30MHz-1000MHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
213.3000	15.90	16.48	32.38	43.50	-11.12	Vertical
533.3000	16.64	24.47	41.11	46.00	-4.89	
740.0000	11.52	27.51	39.03	46.00	-6.97	
213.3000	21.75	16.47	38.22	43.50	-5.28	Horizontal
533.3000	10.92	24.47	35.39	46.00	-10.61	
740.0000	11.01	27.51	38.52	46.00	-7.48	

**For 1GHz-25GHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

**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.**

Date of Test:	October 12, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	PC435	Power Supply:	DC 5V(POWER BY PC)
Test Mode:	802.11g Channel Middle 2437MHz	Test Engineer:	Pei

**For Below 30MHz**

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

**For 30MHz-1000MHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
213.3000	15.68	16.48	32.16	43.50	-11.34	Vertical
533.3000	17.76	24.47	42.23	46.00	-3.77	
740.0000	10.91	27.51	38.42	46.00	-7.58	
213.3000	21.88	16.47	38.35	43.50	-5.15	Horizontal
433.3000	10.19	22.95	33.14	46.00	-12.86	
740.0000	12.09	27.51	39.60	46.00	-6.40	

**For 1GHz-25GHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

**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.**

Date of Test:	October 12, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	PC435	Power Supply:	DC 5V(POWER BY PC)
Test Mode:	802.11g Channel High 2462MHz	Test Engineer:	Pei

**For Below 30MHz**

Frequency (MHz)	Reading (dBμV/m)		Factor(dB) Corr.	Result (dBμV/m)		Limit (dBμV/m)	Margin (dB)	Polarization
	QP			QP				
-	-	-	-	-	-	-	-	X
-	-	-	-	-	-	-	-	Y
-	-	-	-	-	-	-	-	Z

**For 30MHz-1000MHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)		Factor Corr. (dB)	Result (dBμV/m)		Limit (dBμV/m)	Margin (dB)	Polarization
	QP			QP				
213.3000	16.68		16.48	33.16		43.50	-10.34	Vertical
533.2000	16.93		24.46	41.39		46.00	-4.61	
912.6952	10.54		28.87	39.41		46.00	-6.59	
213.3000	21.77		16.47	38.24		43.50	-5.26	Horizontal
533.3000	11.62		24.47	36.09		46.00	-9.91	
740.0000	10.76		27.51	38.27		46.00	-7.73	

**For 1GHz-25GHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

**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.**

Date of Test:	<u>October 12, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC435</u>	Power Supply:	<u>DC 5V(POWER BY PC)</u>
	<u>802.11n Channel Low 2412MHz</u>		
Test Mode:	<u>(20MHz)</u>	Test Engineer:	<u>Pei</u>

**For Below 30MHz**

Frequency (MHz)	Reading (dB $\mu$ V/m)	Factor(dB) Corr.	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

**For 30MHz-1000MHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dB $\mu$ V/m)	Factor Corr. (dB)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
213.3000	16.24	16.48	32.72	43.50	-10.78	Vertical
533.3000	16.81	24.47	41.28	46.00	-4.72	
912.6953	11.06	28.87	39.93	46.00	-6.07	
213.3000	21.80	16.47	38.27	43.50	-5.23	Horizontal
350.9721	12.95	20.85	33.80	46.00	-12.20	
740.0000	11.58	27.51	39.09	46.00	-6.91	

**For 1GHz-25GHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dB $\mu$ V/m)		Factor Corr. (dB)	Result(dB $\mu$ V/m)		Limit(dB $\mu$ V/m)		Margin(dB $\mu$ V/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

**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.**

Date of Test:	<u>October 12, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC435</u>	Power Supply:	<u>DC 5V(POWER BY PC)</u>
	<u>802.11n Channel Middle 2437MHz</u>		
Test Mode:	<u>(20MHz)</u>	Test Engineer:	<u>Pei</u>

**For Below 30MHz**

Frequency (MHz)	Reading (dB $\mu$ V/m)	Factor(dB) Corr.	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

**For 30MHz-1000MHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dB $\mu$ V/m)	Factor Corr. (dB)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
213.3340	16.40	16.48	32.88	43.50	-10.62	Vertical
533.3201	16.48	24.47	40.95	46.00	-5.05	
912.6952	11.44	28.87	40.31	46.00	-5.69	
213.3535	21.86	16.47	38.33	43.50	-5.17	Horizontal
350.9722	13.63	20.85	34.48	46.00	-11.52	
740.0000	11.67	27.51	39.18	46.00	-6.82	

**For 1GHz-25GHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dB $\mu$ V/m)		Factor Corr. (dB)	Result(dB $\mu$ V/m)		Limit(dB $\mu$ V/m)		Margin(dB $\mu$ V/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

**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.**

Date of Test:	<u>October 12, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC435</u>	Power Supply:	<u>DC 5V(POWER BY PC)</u>
	<u>802.11n Channel High 2462MHz</u>		
Test Mode:	<u>(20MHz)</u>	Test Engineer:	<u>Pei</u>

**For Below 30MHz**

Frequency (MHz)	Reading (dB $\mu$ V/m)	Factor(dB) Corr.	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

**For 30MHz-1000MHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dB $\mu$ V/m)	Factor Corr. (dB)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
213.3000	17.30	16.48	33.78	43.50	-9.72	Vertical
533.3000	15.92	24.47	40.39	46.00	-5.61	
640.0000	14.40	26.08	40.48	46.00	-5.52	
213.3000	21.74	16.47	38.21	43.50	-5.29	Horizontal
433.3000	13.40	22.95	36.35	46.00	-9.65	
740.0000	10.44	27.51	37.95	46.00	-8.05	

**For 1GHz-25GHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dB $\mu$ V/m)		Factor Corr. (dB)	Result(dB $\mu$ V/m)		Limit(dB $\mu$ V/m)		Margin(dB $\mu$ V/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

**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.**



Date of Test:	<u>October 12, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC435</u>	Power Supply:	<u>DC 5V(POWER BY PC)</u>
Test Mode:	<u>802.11n Channel Low 2422MHz (40MHz)</u>	Test Engineer:	<u>Pei</u>

**For Below 30MHz**

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

**For 30MHz-1000MHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
213.3000	16.83	16.48	33.31	43.50	-10.19	Vertical
533.3000	16.49	24.47	40.96	46.00	-5.04	
640.0000	16.04	26.08	42.12	46.00	-3.88	
213.3000	23.19	16.47	39.66	43.50	-3.84	Horizontal
433.3000	16.81	22.95	39.76	46.00	-6.24	
740.0000	13.20	27.51	40.71	46.00	-5.29	

**For 1GHz-25GHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

**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.**

Date of Test:	October 12, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	PC435	Power Supply:	DC 5V(POWER BY PC)
Test Mode:	802.11n Channel Middle 2437MHz (40MHz)	Test Engineer:	Pei

**For Below 30MHz**

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

**For 30MHz-1000MHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
213.3000	18.56	16.48	35.04	43.50	-8.46	Vertical
433.1000	14.98	22.95	37.93	46.00	-8.07	
533.3000	15.54	24.47	40.01	46.00	-5.99	
213.3000	24.01	16.47	40.48	43.50	-3.02	Horizontal
433.3000	16.57	22.95	39.52	46.00	-6.48	
740.0000	13.75	27.51	41.26	46.00	-4.74	

**For 1GHz-25GHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

**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.**

Date of Test:	<u>October 12, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC435</u>	Power Supply:	<u>DC 5V(POWER BY PC)</u>
	<u>802.11n Channel High 2452MHz</u>		
Test Mode:	<u>(40MHz)</u>	Test Engineer:	<u>Pei</u>

**For Below 30MHz**

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

**For 30MHz-1000MHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
213.3000	16.97	16.48	33.45	43.50	-10.05	Vertical
433.3000	15.21	22.95	38.16	46.00	-7.84	
533.0000	17.35	24.45	41.80	46.00	-4.20	
213.3535	20.30	16.47	36.77	43.50	-6.73	Horizontal
433.3100	17.25	22.95	40.20	46.00	-5.80	
740.1000	13.62	27.51	41.13	46.00	-4.87	

**For 1GHz-25GHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

**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.**



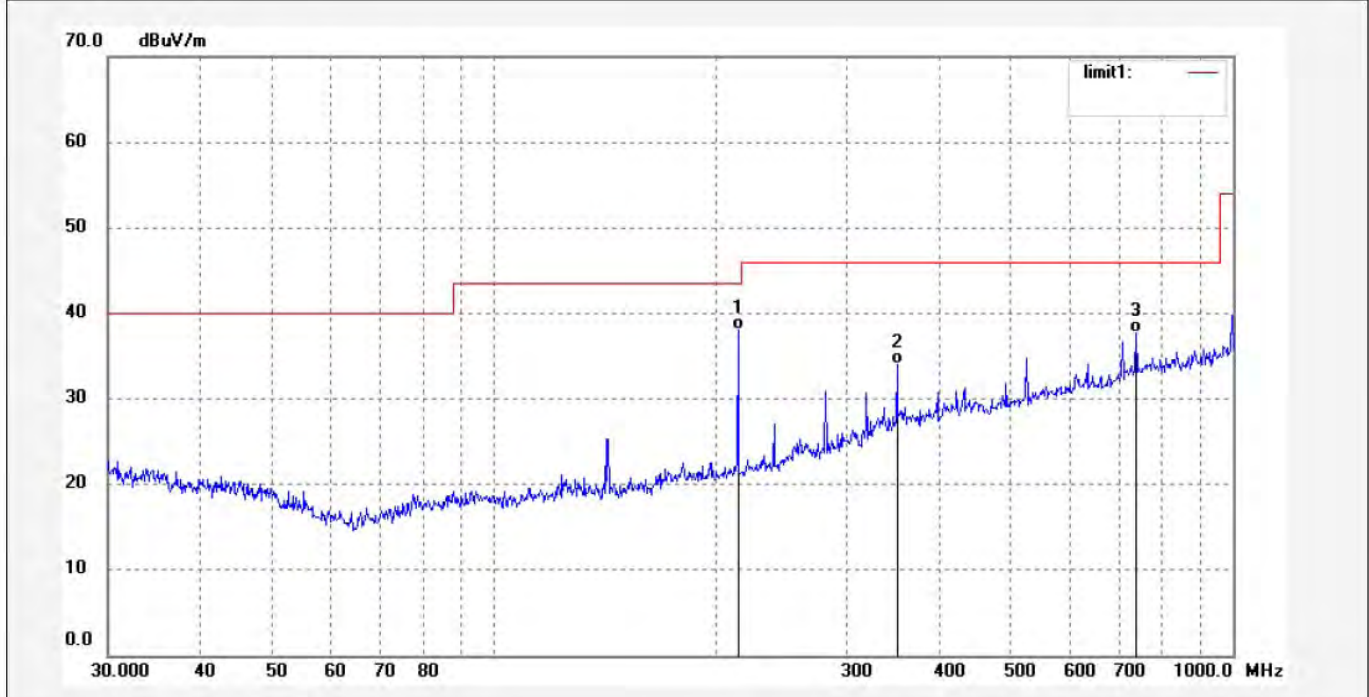
**ACCURATE TECHNOLOGY CO., LTD.**

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.: Bob #5856	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 2012/10/12
Temp.( C)/Hum.(%) 25 C / 51 %	Time: 21:50:48
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 1(802.11b)	Distance:
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	213.0340	21.66	16.46	38.12	43.50	-5.38	QP			
2	350.9721	13.16	20.85	34.01	46.00	-11.99	QP			
3	740.0000	10.21	27.51	37.72	46.00	-8.28	QP			



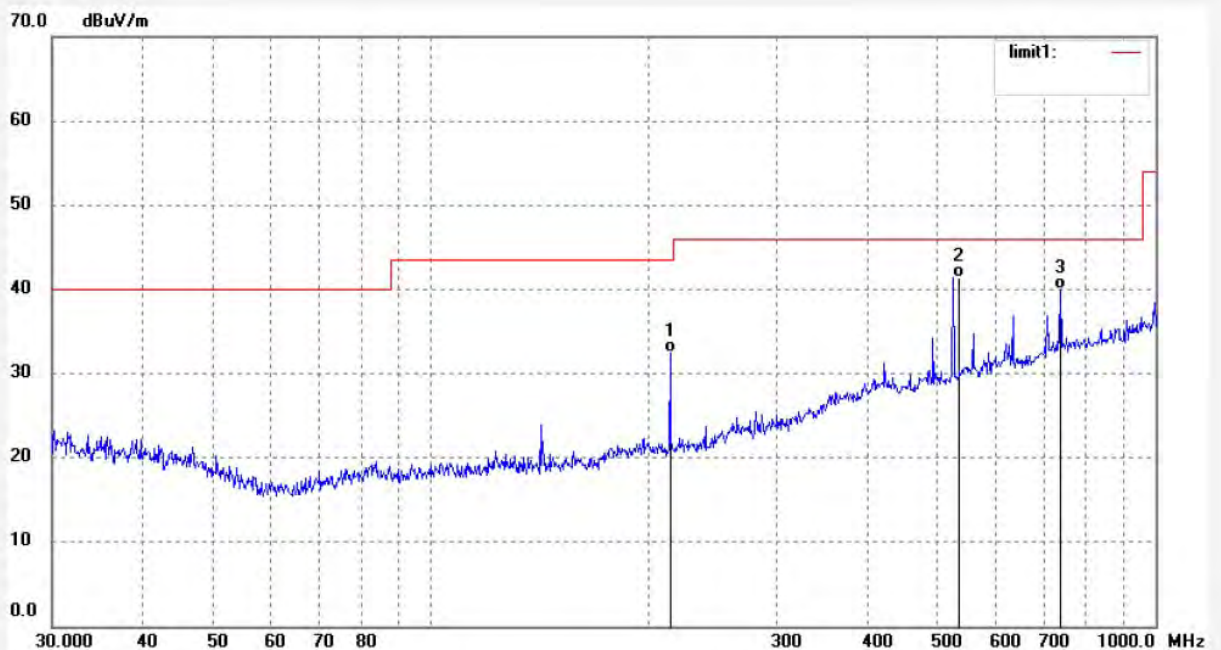
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Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #5857	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 2012/10/12
Temp.( C)/Hum.(%) 25 C / 51 %	Time: 21:53:42
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 1(802.11b)	Distance:
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	213.3000	16.06	16.48	32.54	43.50	-10.96	QP			
2	533.3000	16.89	24.47	41.36	46.00	-4.64	QP			
3	740.0000	12.47	27.51	39.98	46.00	-6.02	QP			





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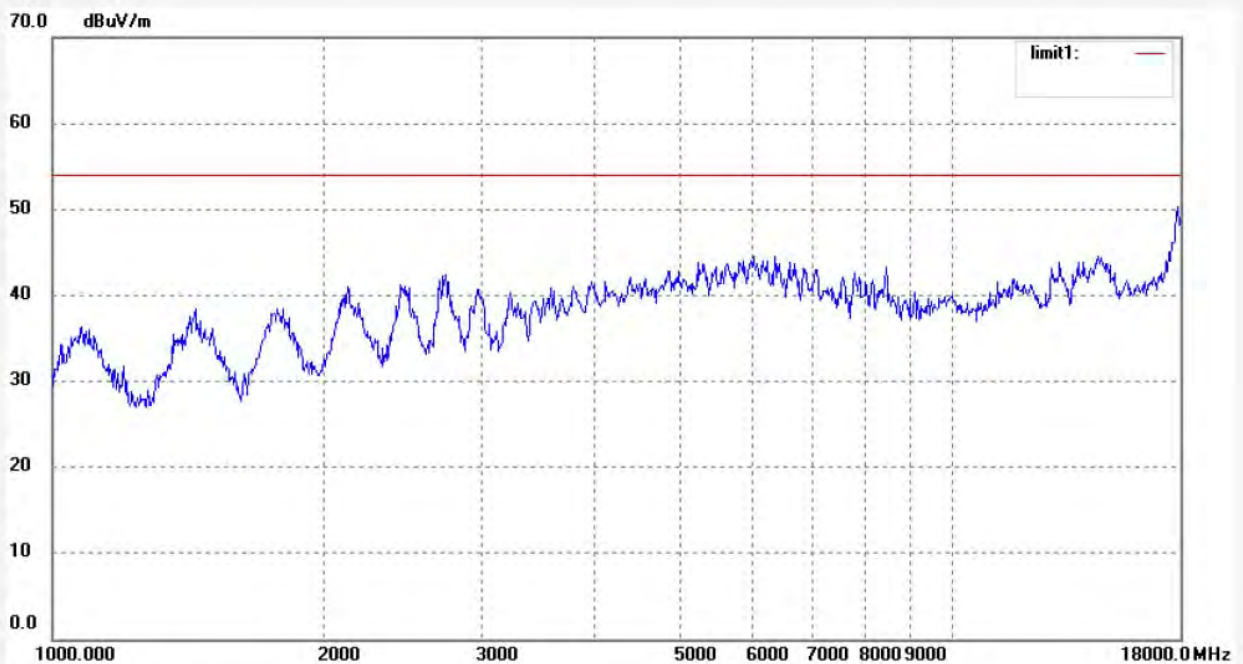
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #850  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 51 %  
EUT: MID  
Mode: TX Channel 1(802.11b)  
Model: PC435  
Manufacturer: Natural Sound

Polarization: Horizontal  
Power Source: DC 5V(Power by PC)  
Date: 2012/10/10  
Time: 18:04:54  
Engineer Signature: Bob  
Distance:

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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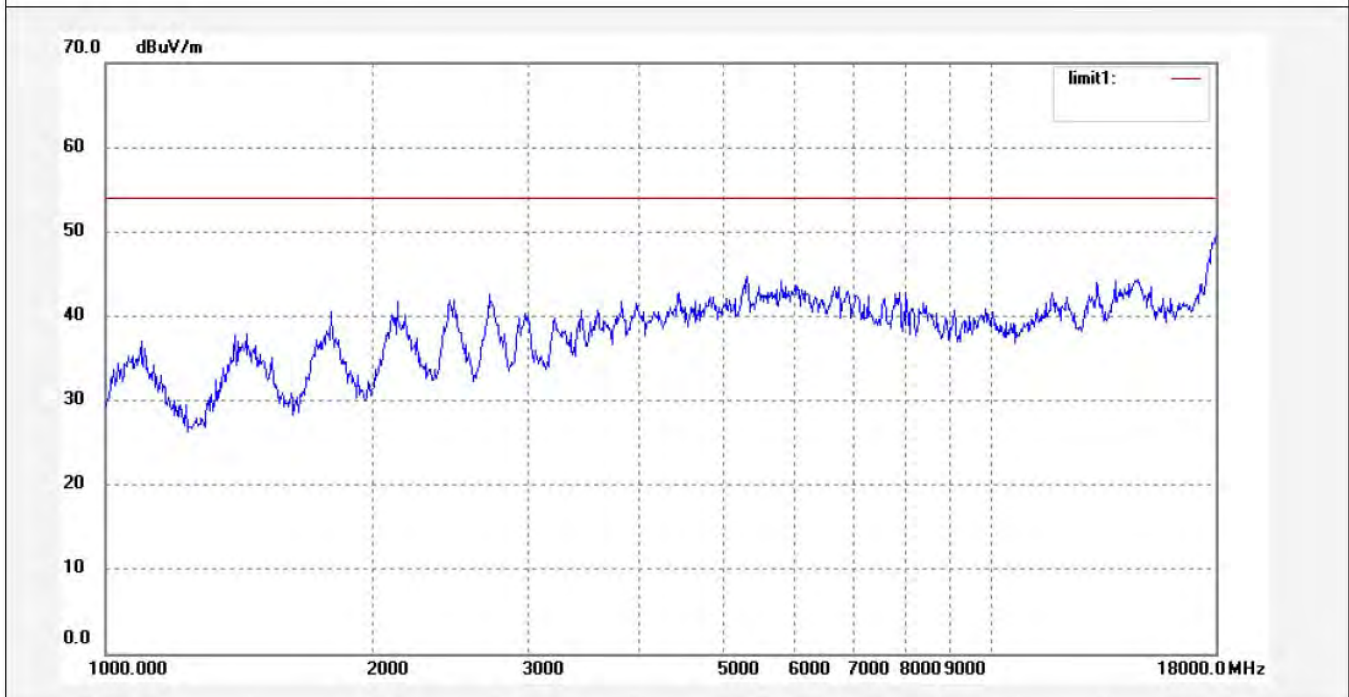
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Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #851	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 2012/10/10
Temp.( C)/Hum.(%) 25 C / 51 %	Time: 18:08:47
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 1(802.11b)	Distance:
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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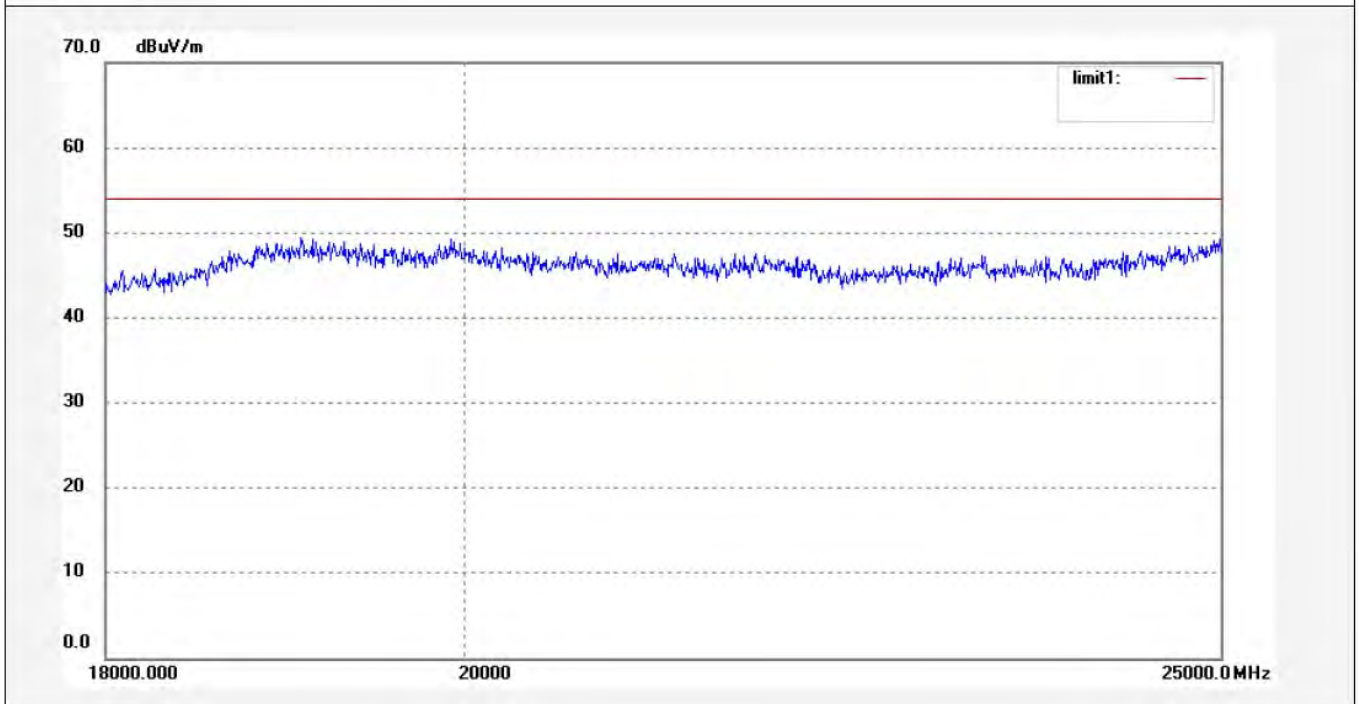
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Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #1601	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 12/10/10
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 10:05:15
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 1 (802.11b)	Distance: 3m
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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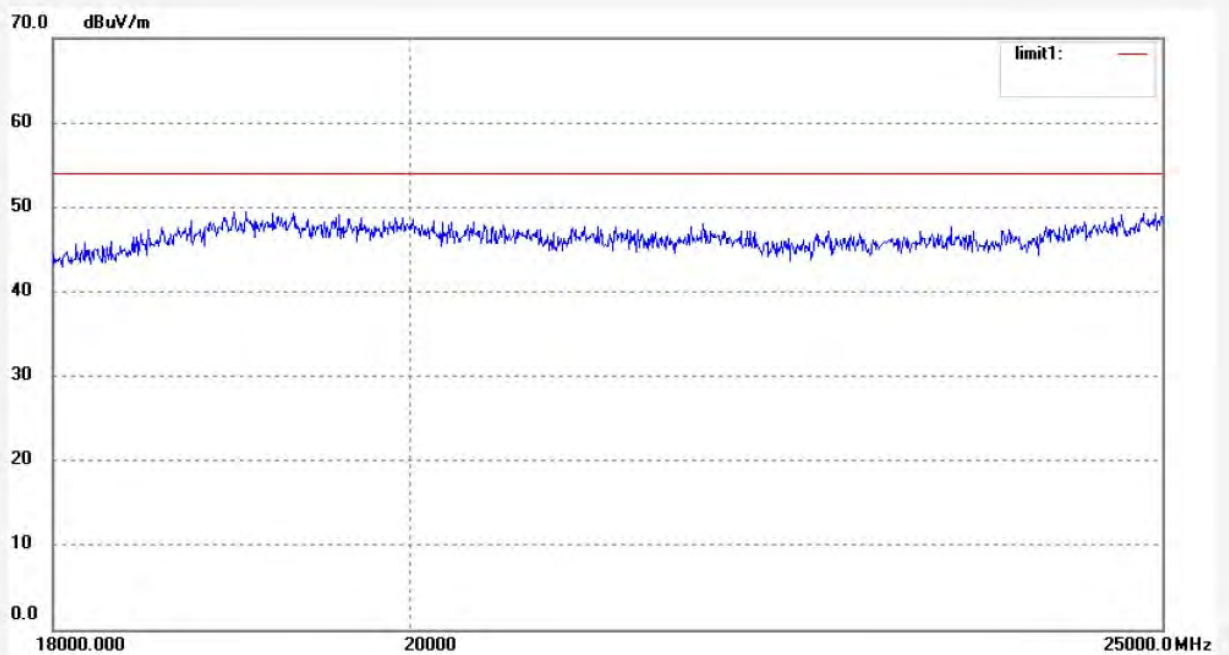
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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #1602	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 12/10/10
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 10:09:22
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 1 (802.11b)	Distance: 3m
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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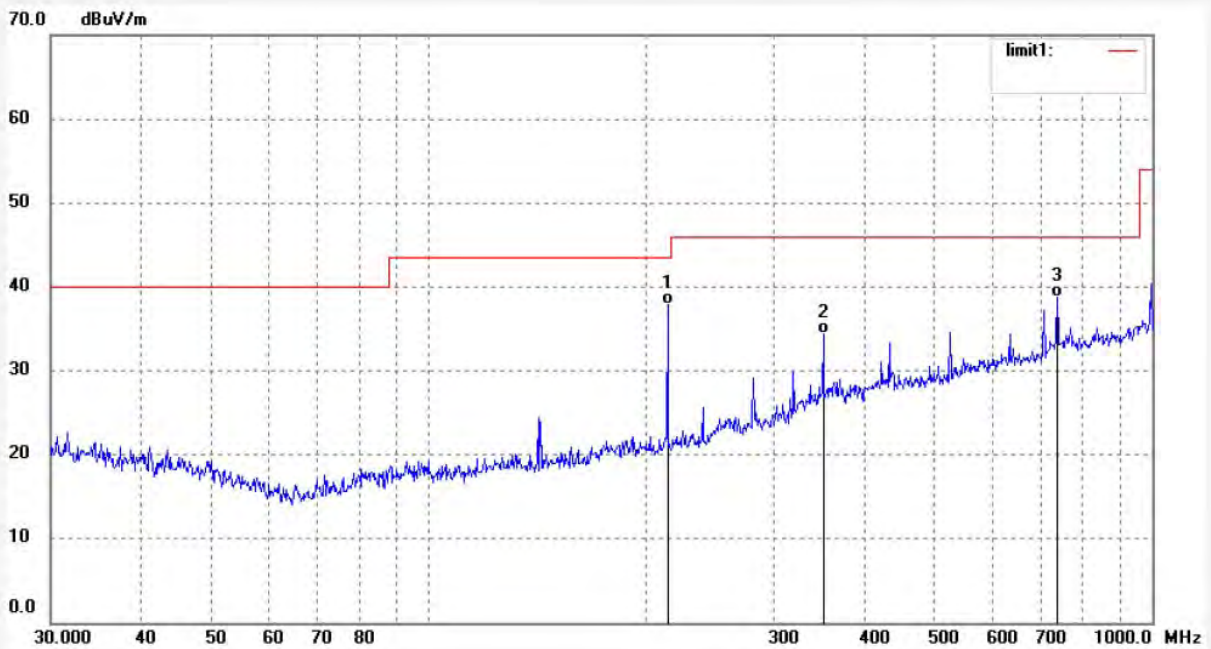
**ACCURATE TECHNOLOGY CO., LTD.**

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.: Bob #5859	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 2012/10/12
Temp.( C)/Hum.(%) 25 C / 51 %	Time: 22:01:22
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 6(802.11b)	Distance:
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	213.3000	21.48	16.47	37.95	43.50	-5.55	QP			
2	351.0000	13.46	20.85	34.31	46.00	-11.69	QP			
3	740.0000	11.23	27.51	38.74	46.00	-7.26	QP			



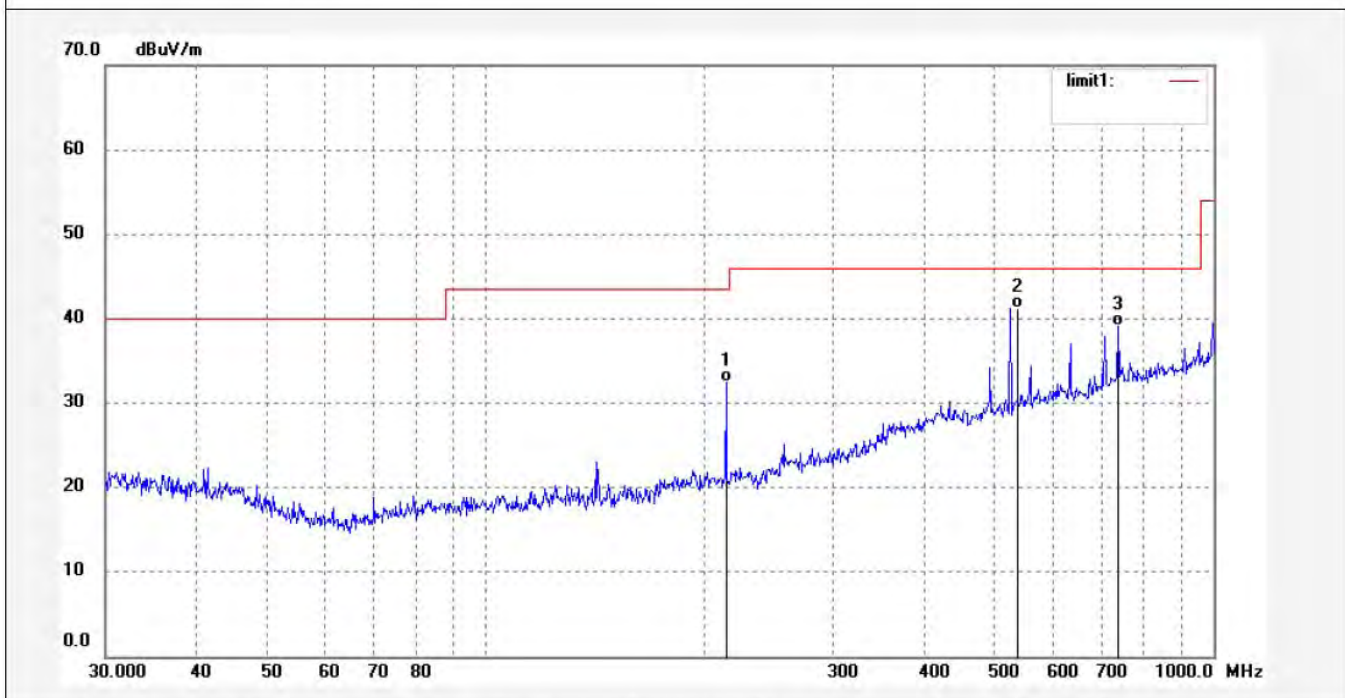
**ACCURATE TECHNOLOGY CO., LTD.**

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.: Bob #5858	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 2012/10/12
Temp.( C)/Hum.(%) 25 C / 51 %	Time: 21:57:25
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 6(802.11b)	Distance:
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	213.3000	16.01	16.48	32.49	43.50	-11.01	QP			
2	533.3000	16.68	24.47	41.15	46.00	-4.85	QP			
3	740.0000	11.55	27.51	39.06	46.00	-6.94	QP			



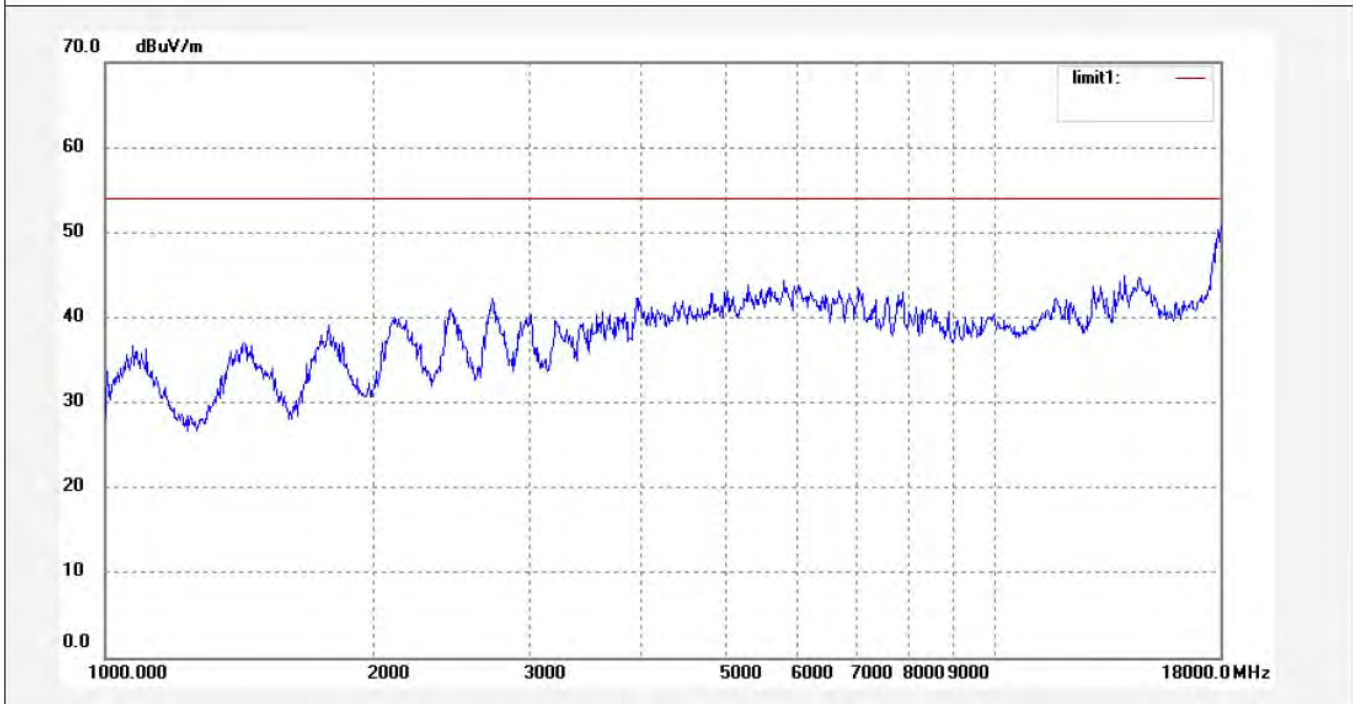


**ACCURATE TECHNOLOGY CO., LTD.**  
 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #853	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 2012/10/10
Temp.( C)/Hum.(%) 25 C / 51 %	Time: 18:18:19
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 6(802.11b)	Distance:
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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**ACCURATE TECHNOLOGY CO., LTD.**

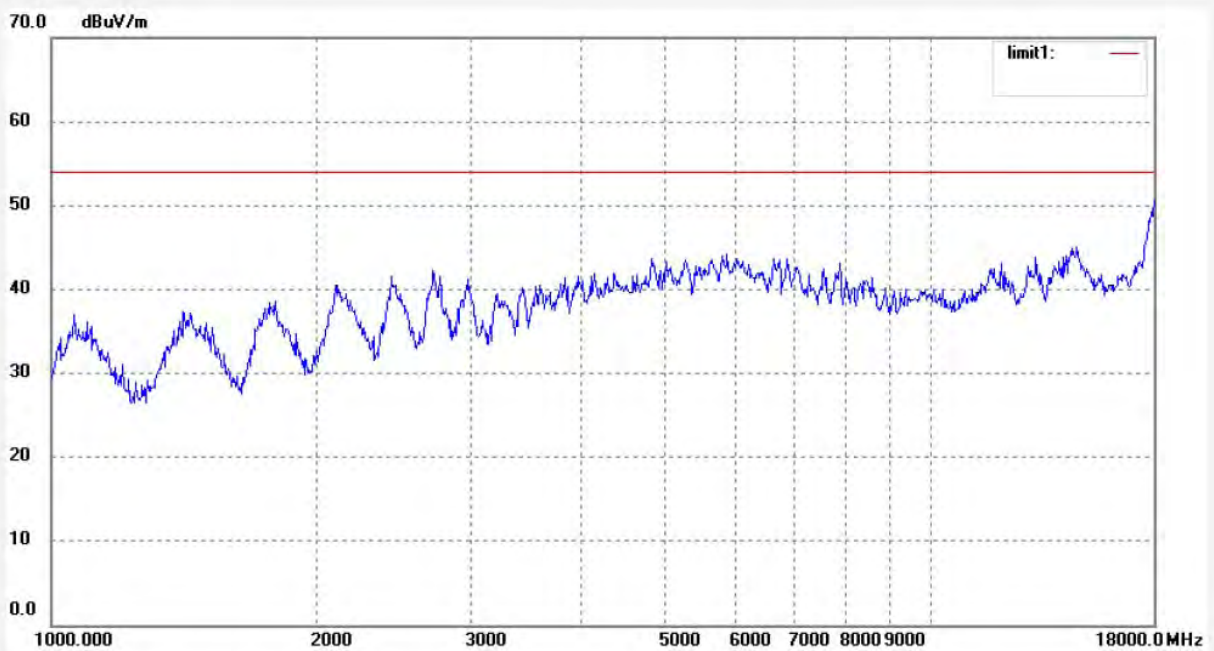
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #852  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 51 %  
EUT: MID  
Mode: TX Channel 6(802.11b)  
Model: PC435  
Manufacturer: Natural Sound

Polarization: Vertical  
Power Source: DC 5V(Power by PC)  
Date: 2012/10/10  
Time: 18:13:18  
Engineer Signature: Bob  
Distance:

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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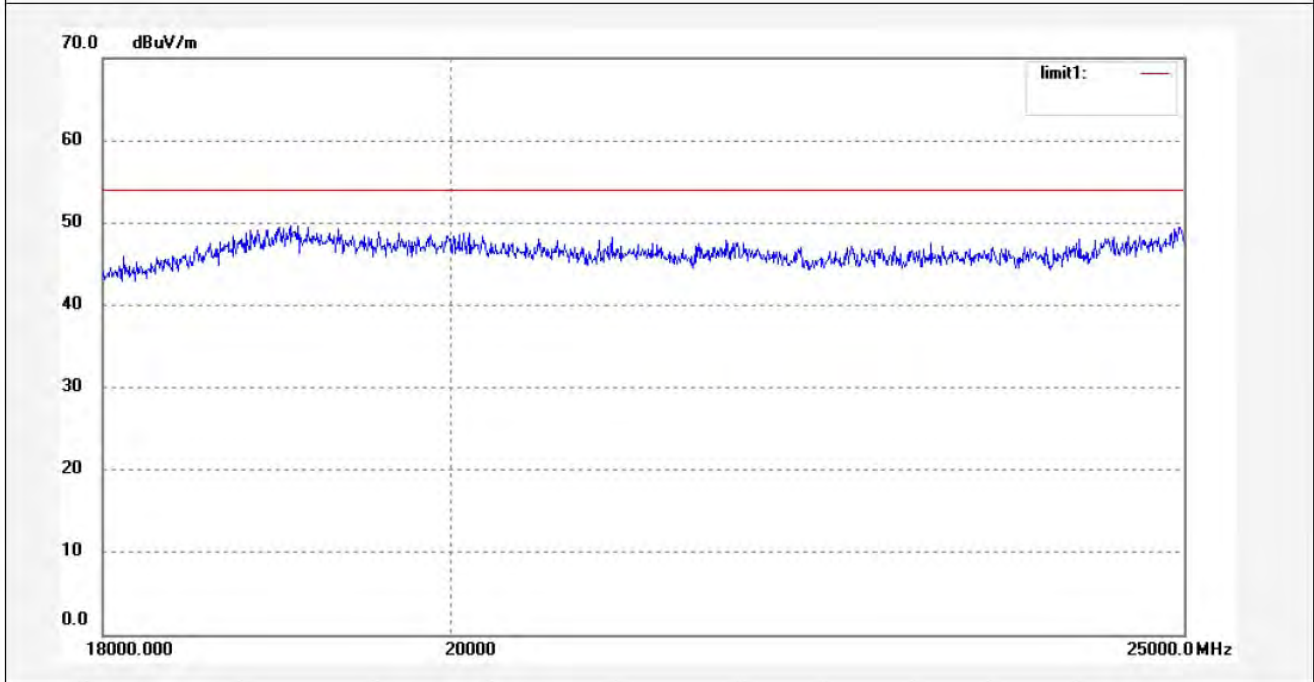


**ACCURATE TECHNOLOGY CO., LTD.**  
 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #1604	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 12/10/10
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 10:18:36
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 6 (802.11b)	Distance: 3m
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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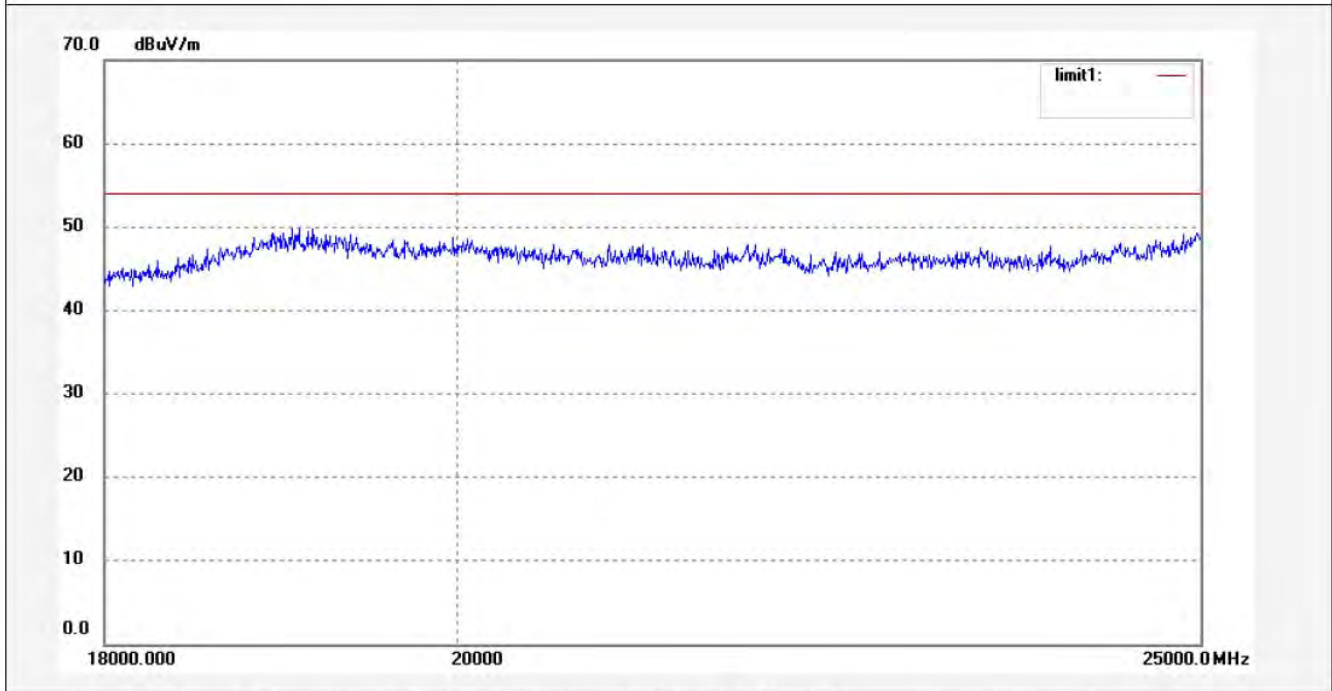
**ACCURATE TECHNOLOGY CO., LTD.**

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.: Bob #1603	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 12/10/10
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 10:14:45
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 6 (802.11b)	Distance: 3m
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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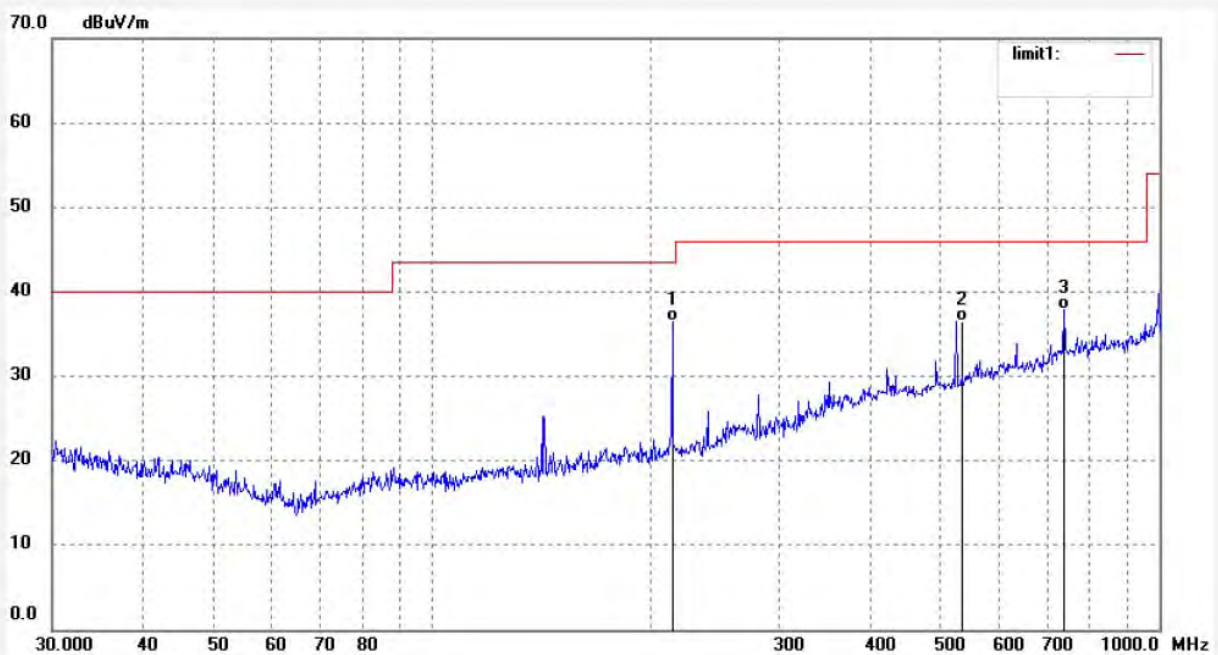
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #5860  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 51 %  
EUT: MID  
Mode: TX Channel 11(802.11b)  
Model: PC435  
Manufacturer: Natural Sound

Polarization: Horizontal  
Power Source: DC 5V(Power by PC)  
Date: 2012/10/12  
Time: 22:05:02  
Engineer Signature: Bob  
Distance:

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	213.3000	20.07	16.47	36.54	43.50	-6.96	QP			
2	533.3000	11.97	24.47	36.44	46.00	-9.56	QP			
3	740.0000	10.35	27.51	37.86	46.00	-8.14	QP			





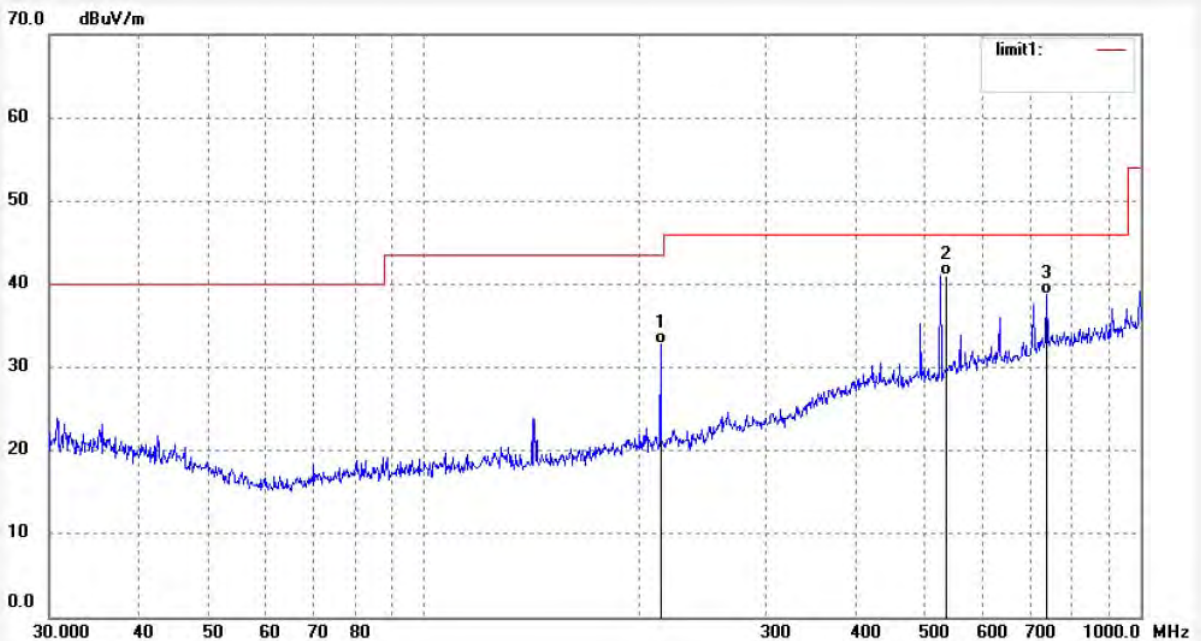
**ACCURATE TECHNOLOGY CO., LTD.**

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.: Bob #5861	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 2012/10/12
Temp.( C)/Hum.(%) 25 C / 51 %	Time: 22:09:56
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 11(802.11b)	Distance:
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	213.3000	16.25	16.48	32.73	43.50	-10.77	QP			
2	533.3000	16.51	24.47	40.98	46.00	-5.02	QP			
3	740.0000	11.26	27.51	38.77	46.00	-7.23	QP			



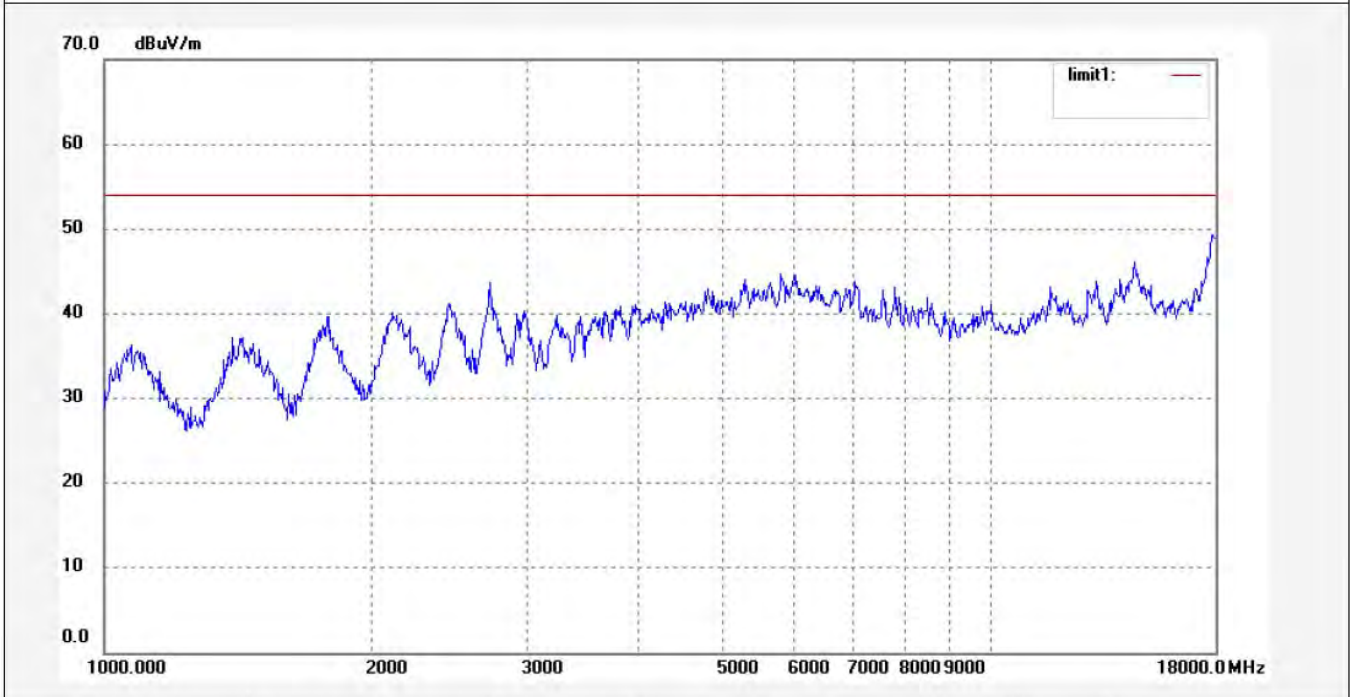
**ACCURATE TECHNOLOGY CO., LTD.**

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.: Bob #854	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 2012/10/10
Temp.( C)/Hum.(%) 25 C / 51 %	Time: 18:21:03
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 11(802.11b)	Distance:
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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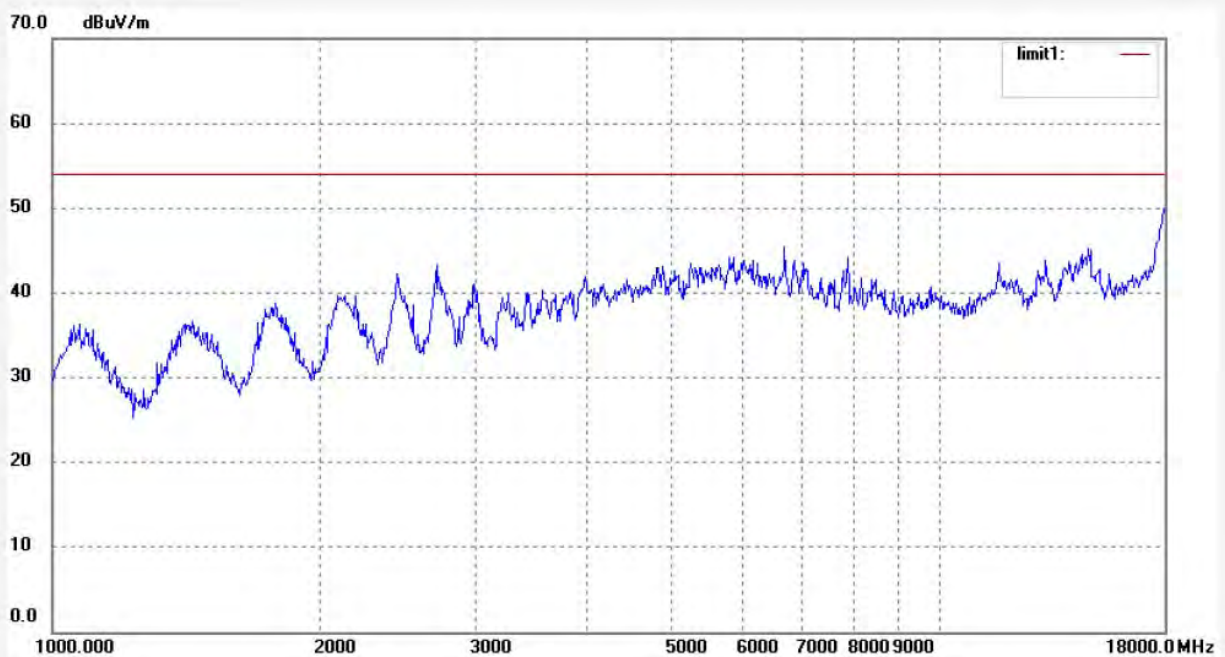
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #855  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 51 %  
EUT: MID  
Mode: TX Channel 11(802.11b)  
Model: PC435  
Manufacturer: Natural Sound

Polarization: Vertical  
Power Source: DC 5V(Power by PC)  
Date: 2012/10/10  
Time: 18:25:39  
Engineer Signature: Bob  
Distance:

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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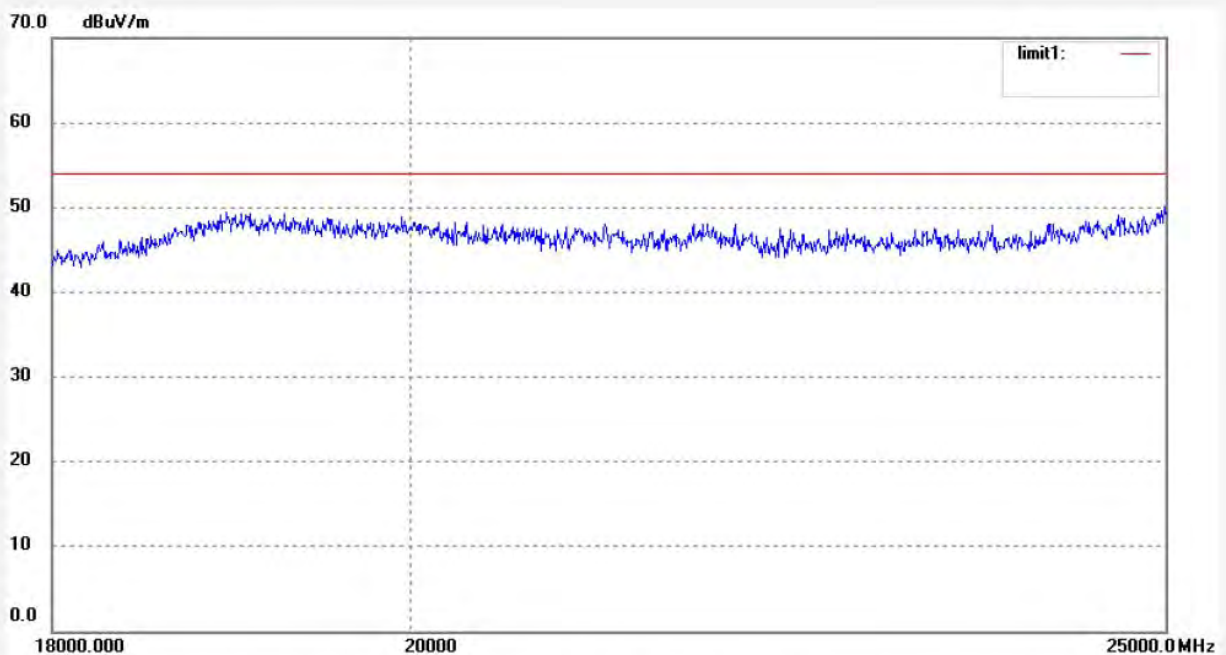
**ACCURATE TECHNOLOGY CO., LTD.**

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.: Bob #1605	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 12/10/10
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 10:23:55
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 11 (802.11b)	Distance: 3m
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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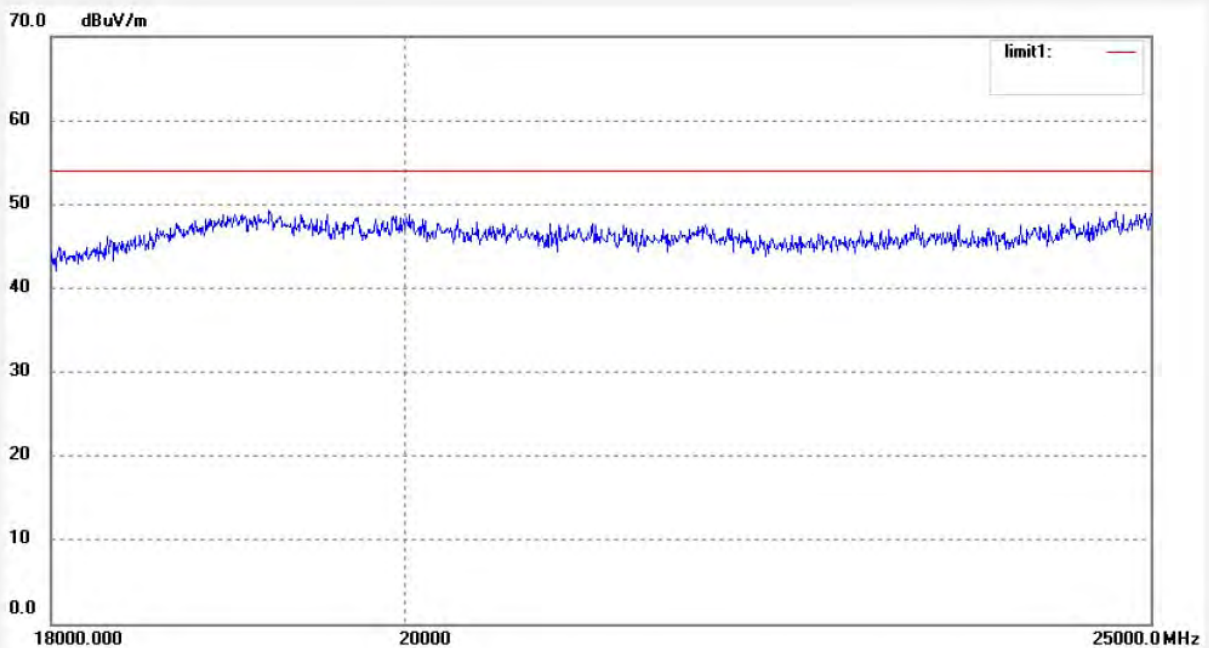
**ACCURATE TECHNOLOGY CO., LTD.**

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.: Bob #1606	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 12/10/10
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 10:27:11
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 11 (802.11b)	Distance: 3m
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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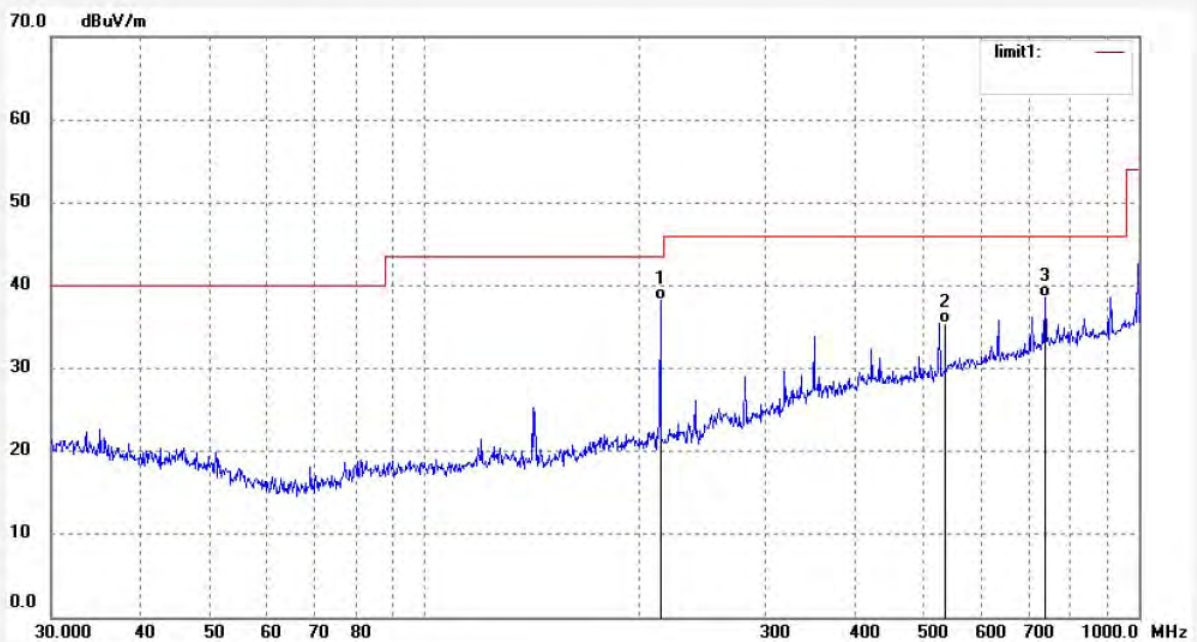
**ACCURATE TECHNOLOGY CO., LTD.**

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.: Bob #5863	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 2012/10/12
Temp.( C)/Hum.(%) 25 C / 51 %	Time: 22:20:07
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 1(802.11g)	Distance:
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	213.3000	21.75	16.47	38.22	43.50	-5.28	QP			
2	533.3000	10.92	24.47	35.39	46.00	-10.61	QP			
3	740.0000	11.01	27.51	38.52	46.00	-7.48	QP			





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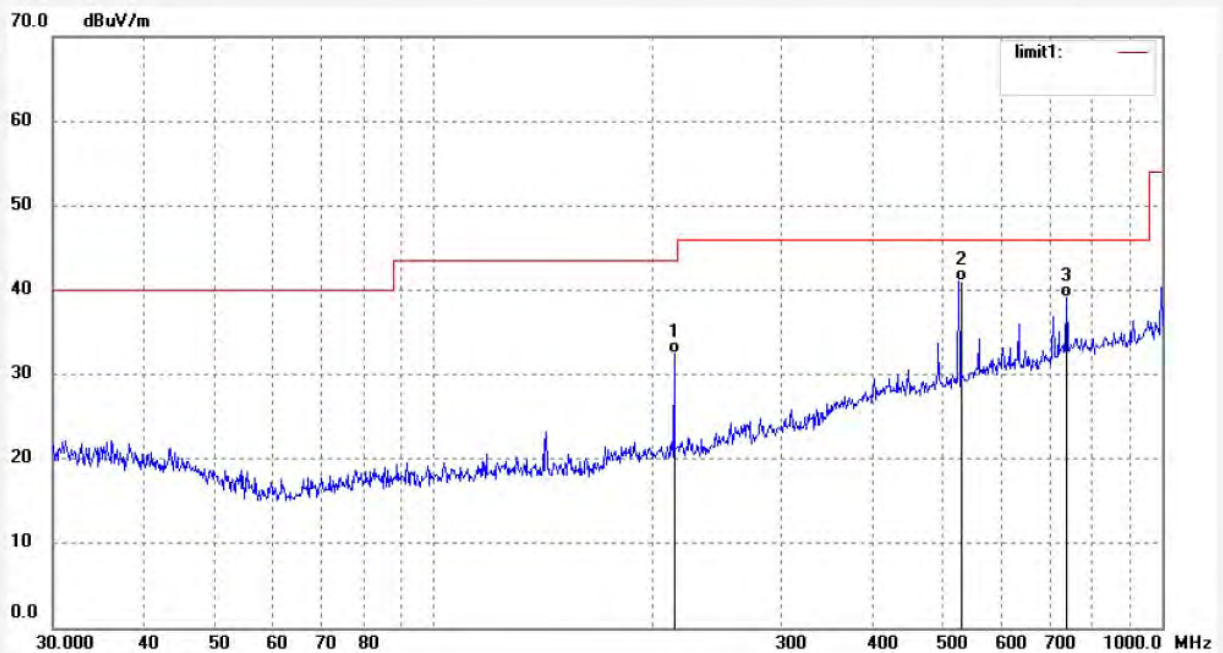
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #5862  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 51 %  
EUT: MID  
Mode: TX Channel 1(802.11g)  
Model: PC435  
Manufacturer: Natural Sound

Polarization: Vertical  
Power Source: DC 5V(Power by PC)  
Date: 2012/10/12  
Time: 22:15:41  
Engineer Signature: Bob  
Distance:

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	213.3000	15.90	16.48	32.38	43.50	-11.12	QP			
2	533.3000	16.64	24.47	41.11	46.00	-4.89	QP			
3	740.0000	11.52	27.51	39.03	46.00	-6.97	QP			



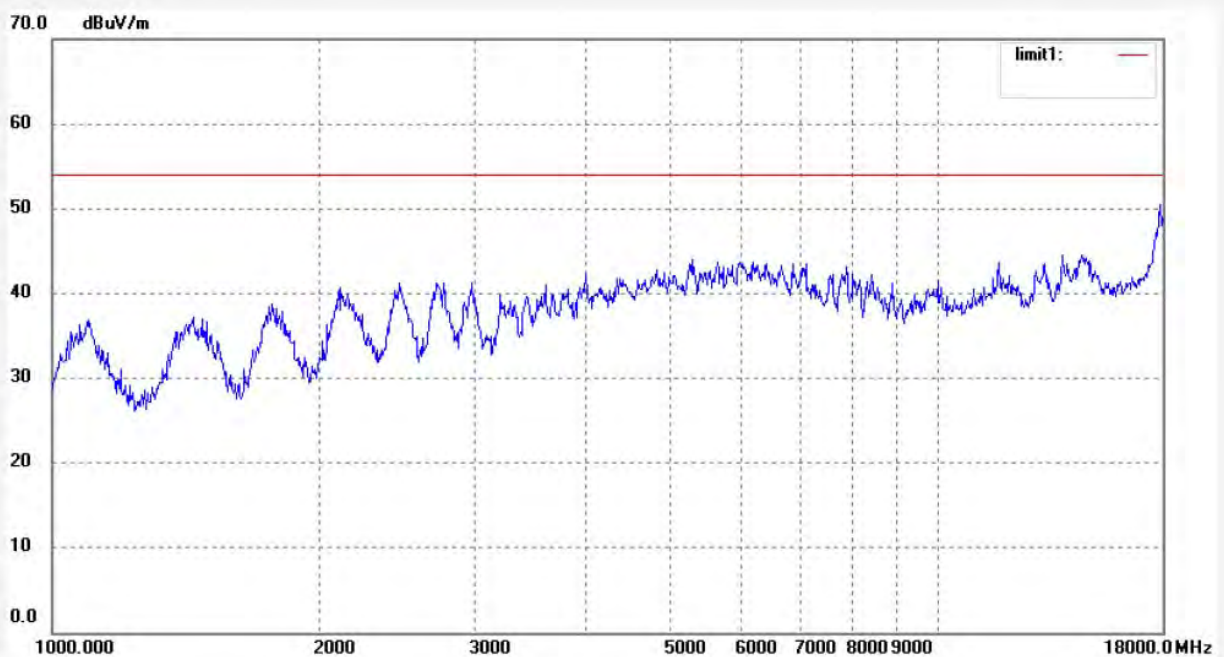
**ACCURATE TECHNOLOGY CO., LTD.**

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.: Bob #857	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 2012/10/10
Temp.( C)/Hum.(%) 25 C / 51 %	Time: 18:32:11
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 1(802.11g)	Distance:
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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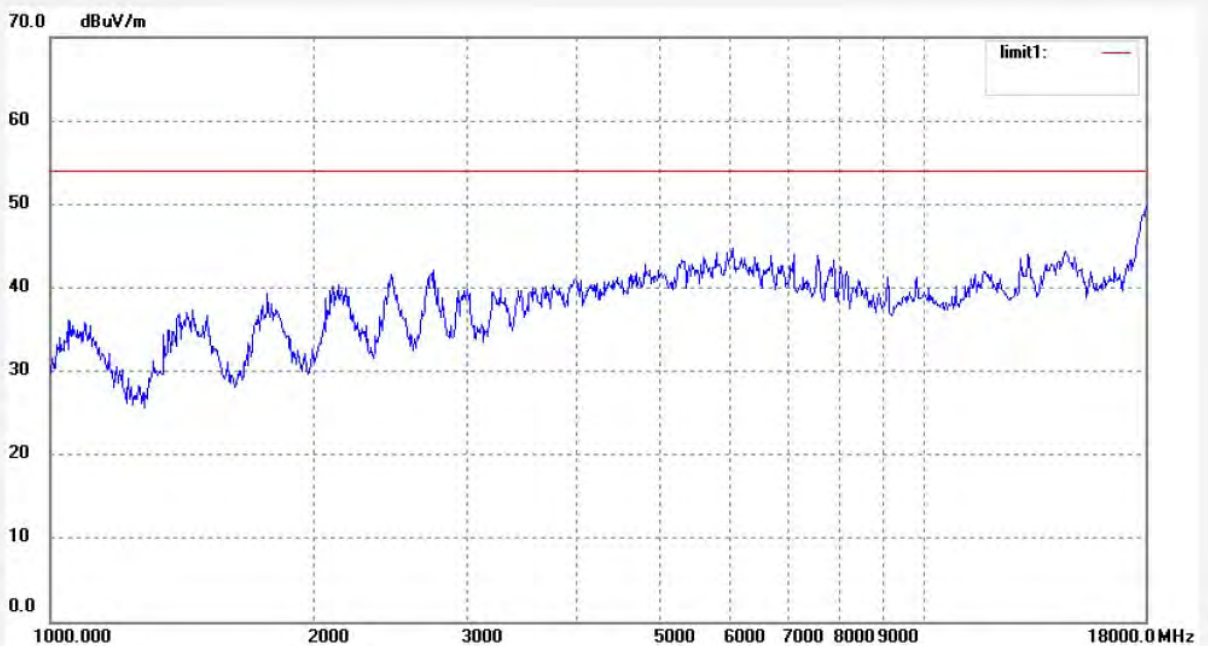
**ACCURATE TECHNOLOGY CO., LTD.**

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.: Bob #856	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 2012/10/10
Temp.( C)/Hum.(%) 25 C / 51 %	Time: 18:29:31
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 1(802.11g)	Distance:
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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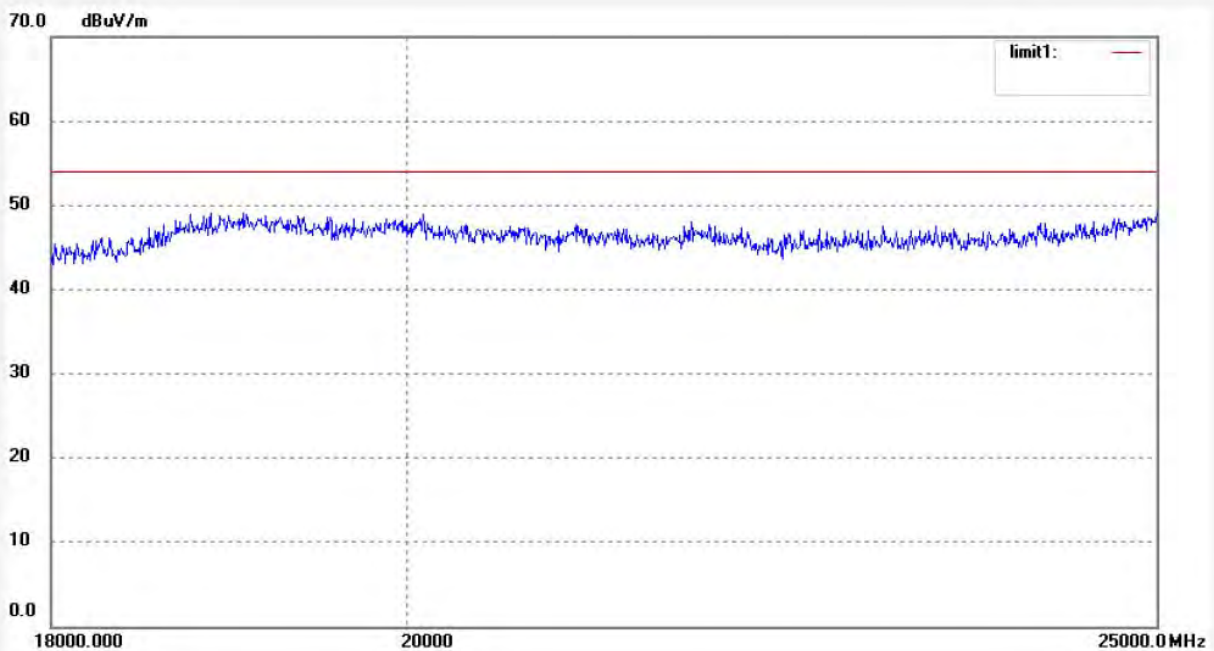
**ACCURATE TECHNOLOGY CO., LTD.**

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.: Bob #1608	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 12/10/10
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 10:35:56
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 1 (802.11g)	Distance: 3m
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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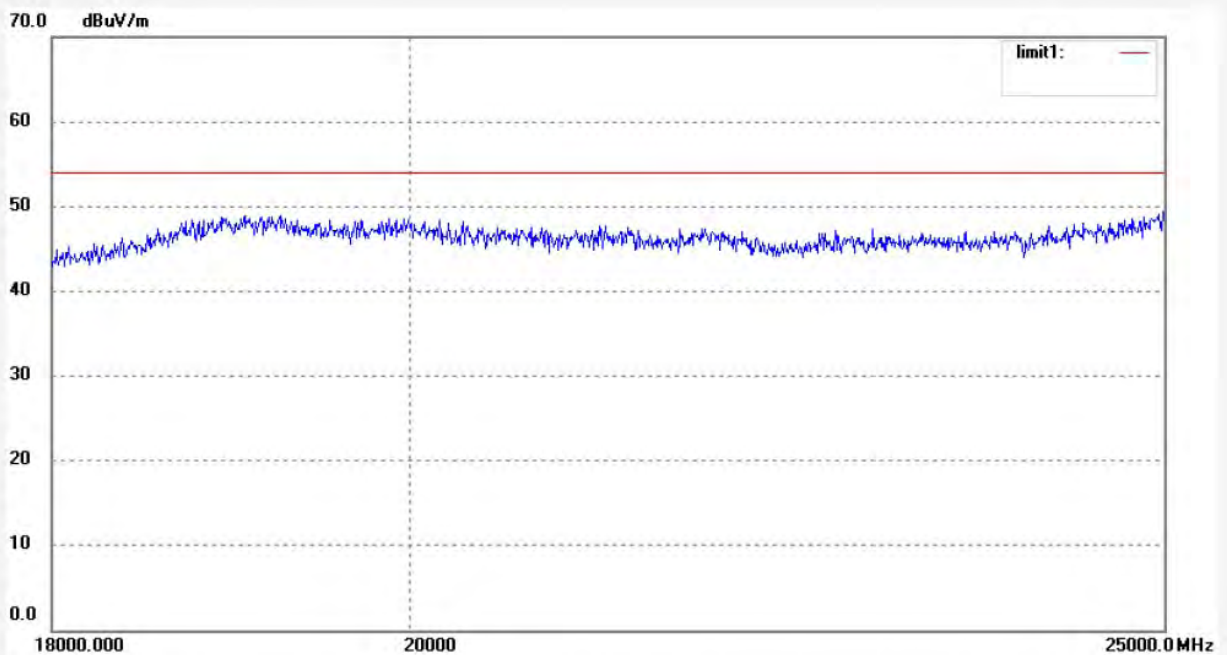
**ACCURATE TECHNOLOGY CO., LTD.**

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.: Bob #1607	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 12/10/10
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 10:32:05
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 1 (802.11g)	Distance: 3m
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark





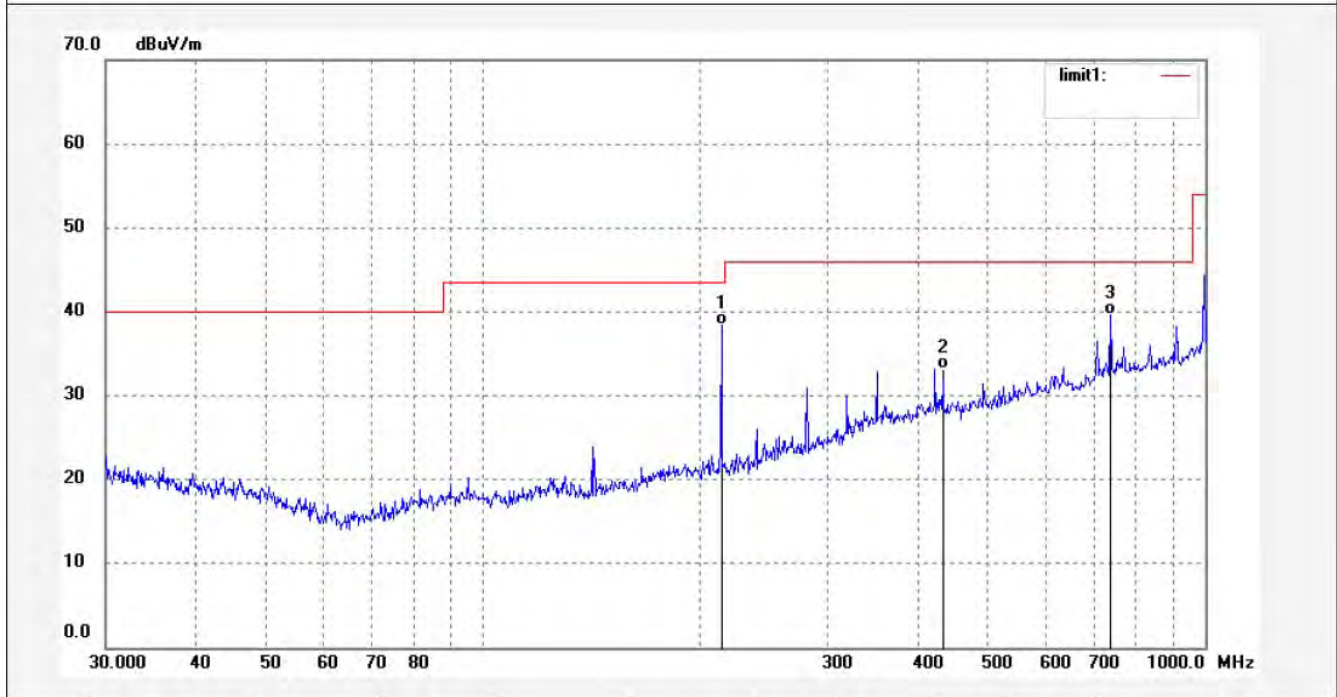
**ACCURATE TECHNOLOGY CO., LTD.**

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.: Bob #5864	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 2012/10/12
Temp.( C)/Hum.(%) 25 C / 51 %	Time: 22:24:02
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 6(802.11g)	Distance:
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	213.3000	21.88	16.47	38.35	43.50	-5.15	QP			
2	433.3000	10.19	22.95	33.14	46.00	-12.86	QP			
3	740.0000	12.09	27.51	39.60	46.00	-6.40	QP			



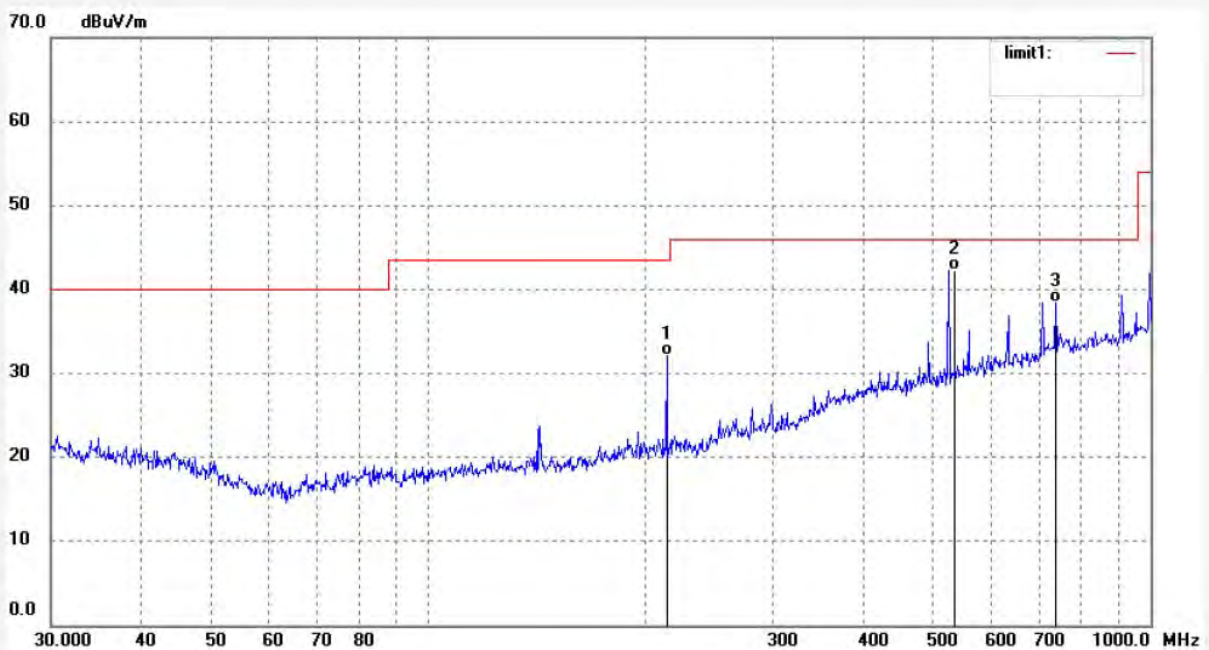
**ACCURATE TECHNOLOGY CO., LTD.**

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.: Bob #5865	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 2012/10/12
Temp.( C)/Hum.(%) 25 C / 51 %	Time: 22:29:04
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 6(802.11g)	Distance:
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	213.3000	15.68	16.48	32.16	43.50	-11.34	QP			
2	533.3000	17.76	24.47	42.23	46.00	-3.77	QP			
3	740.0000	10.91	27.51	38.42	46.00	-7.58	QP			



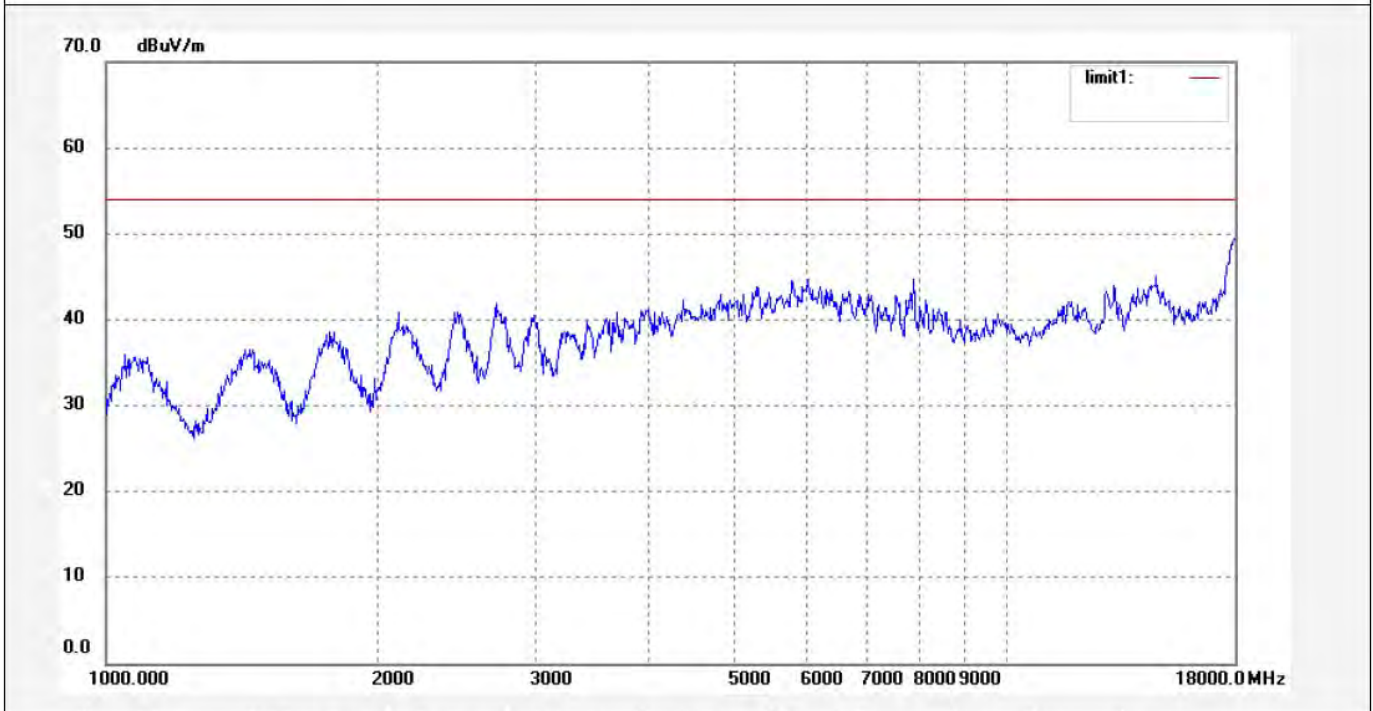
**ACCURATE TECHNOLOGY CO., LTD.**

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.: Bob #858	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 2012/10/10
Temp.( C)/Hum.(%) 25 C / 51 %	Time: 18:37:06
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 6(802.11g)	Distance:
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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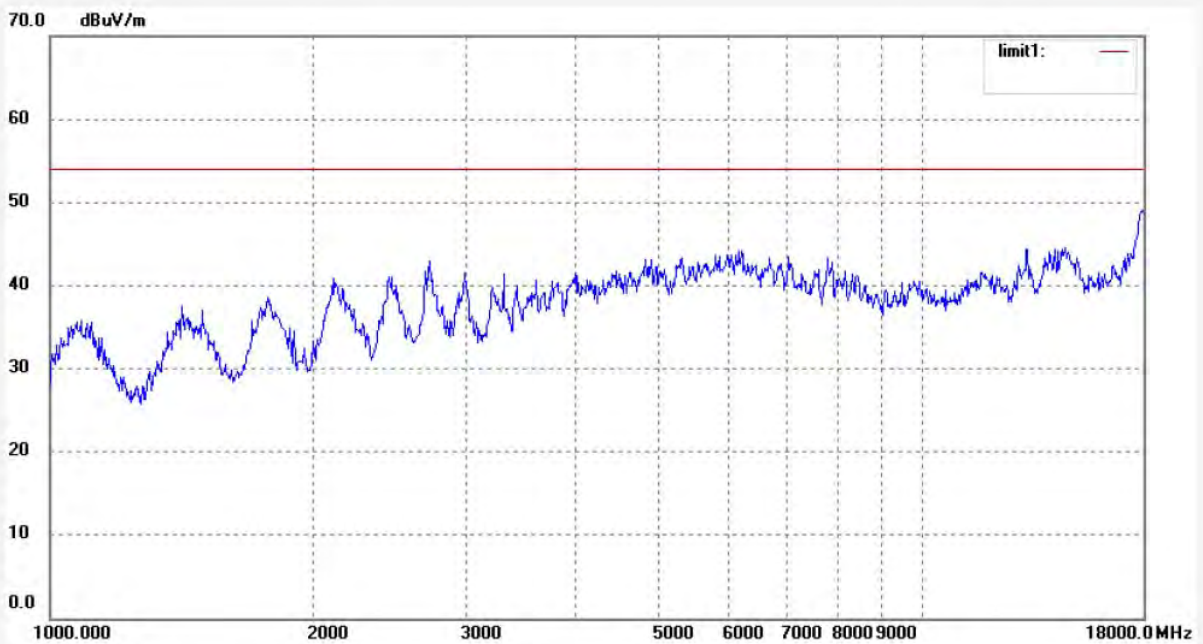
**ACCURATE TECHNOLOGY CO., LTD.**

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.: Bob #859	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 5V(Power by PC)
Test item: Radiation Test	Date: 2012/10/10
Temp.( C)/Hum.(%) 25 C / 51 %	Time: 18:40:49
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 6(802.11g)	Distance:
Model: PC435	
Manufacturer: Natural Sound	

Note: Report No.:ATE20122303



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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