

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

MID
Model No.:PC741, X-Treme

FCC ID: PWK-PC741

Prepared for : HONG KONG NATURAL SOUND ELECTRONICS
LIMITED
Address : FLAT/RM M 4/F CONTINENTAL MANSION, 300
KING'S ROAD, HK

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Report Number : ATE20130692
Date of Test : April 17-April 29, 2013
Date of Report : April 29, 2013

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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.: PC741, X-Treme
 (B) SERIAL NO.: N/A
 (C) POWER SUPPLY: DC 3.7V (Li-polymer battery) & DC 5V (USB input)

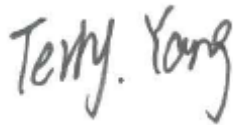
Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.247
ANSI C63.4: 2009
KDB 558074 D01 DTS Meas Guidance v03r01

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 : April 17-29, 2013

Prepared by : 
 (Engineer)

Approved & Authorized Signer : 
 (Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	:	MID
Model Number	:	PC741, X-Treme
		Note: These models are identical in interior structure, electrical circuits and components, and just model names are different for the marketing requirement. So we prepare PC741 for test only
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 (USB input)
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, HK
Manufacturer	:	ShenZhen Natural Sound Electronics Co., Ltd
Address	:	4 th building, Xinyuan industrial zone, Gushu village, Bao`an district, Shenzhen, China
Date of sample received	:	April 17, 2013
Date of Test	:	April 17-29, 2013

1.2. Carrier Frequency of Channels

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

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

802.11n (40MHz)

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

1.3. Special Accessory and Auxiliary Equipment

N/A

1.4. Description of Test Facility

EMC Lab : Accredited by TUV Rheinland Shenzhen

Listed by FCC
The Registration Number is 752051

Listed by Industry Canada
The Registration Number is 5077A-2

Accredited by China National Accreditation Committee
for Laboratories
The Certificate Registration Number is L3193

Name of Firm : ACCURATE TECHNOLOGY CO. LTD
Site Location : F1, Bldg. A, Changyuan New Material Port, Keyuan Rd.
Science & Industry Park, Nanshan, Shenzhen, Guangdong
P.R. China

1.5. Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

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

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

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

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Type	S/N	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 12, 2014
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 12, 2014
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 12, 2014
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 12, 2014
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Feb. 06, 2014
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Feb. 06, 2014
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Feb. 06, 2014
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1067	Oct. 30, 2013
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 12, 2014
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 12, 2014

3. OPERATION OF EUT DURING TESTING

3.1.Operating Mode

The mode is used: **802.11b Transmitting mode**

Low Channel: 2412MHz

Middle Channel: 2437MHz

High Channel: 2462MHz

802.11g Transmitting mode

Low Channel: 2412MHz

Middle Channel: 2437MHz

High Channel: 2462MHz

802.11n (20MHz) Transmitting mode

Low Channel: 2412MHz

Middle Channel: 2437MHz

High Channel: 2462MHz

802.11n (40MHz) Transmitting mode

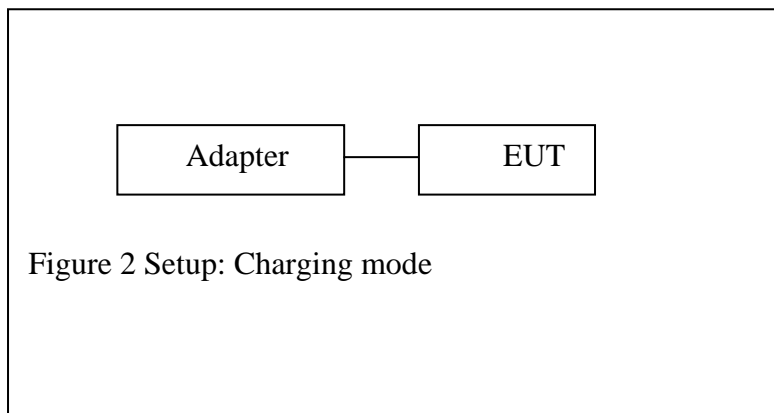
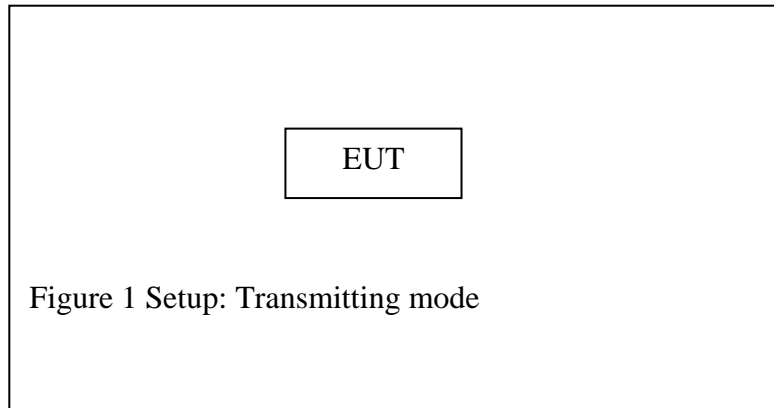
Low Channel: 2422MHz

Middle Channel: 2437MHz

High Channel: 2452MHz

Charging

3.2.Configuration and peripherals

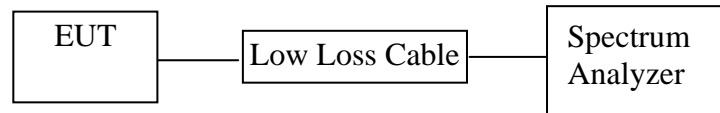


4. TEST PROCEDURES AND RESULTS

FCC Rules	Description of Test	Result
Section 15.247(a)(2)	6dB Bandwidth Test	Compliant
Section 15.247(e)	Power Spectral Density Test	Compliant
Section 15.247(b)(3)	Maximum Peak Output Power Test	Compliant
Section 15.247(d)	Band Edge Compliance Test	Compliant
Section 15.247(d) 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 is 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	:	PC741
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

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

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

5.5.3. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

5.6. Test Result

PASS.

Date of Test:	<u>April 26, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
Test Mode:	<u>TX</u>	Test Engineer:	<u>Ricky</u>

The test was performed with 802.11b

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	10.16	> 0.5MHz
Middle	2437	10.16	> 0.5MHz
High	2462	10.16	> 0.5MHz

The test was performed with 802.11g

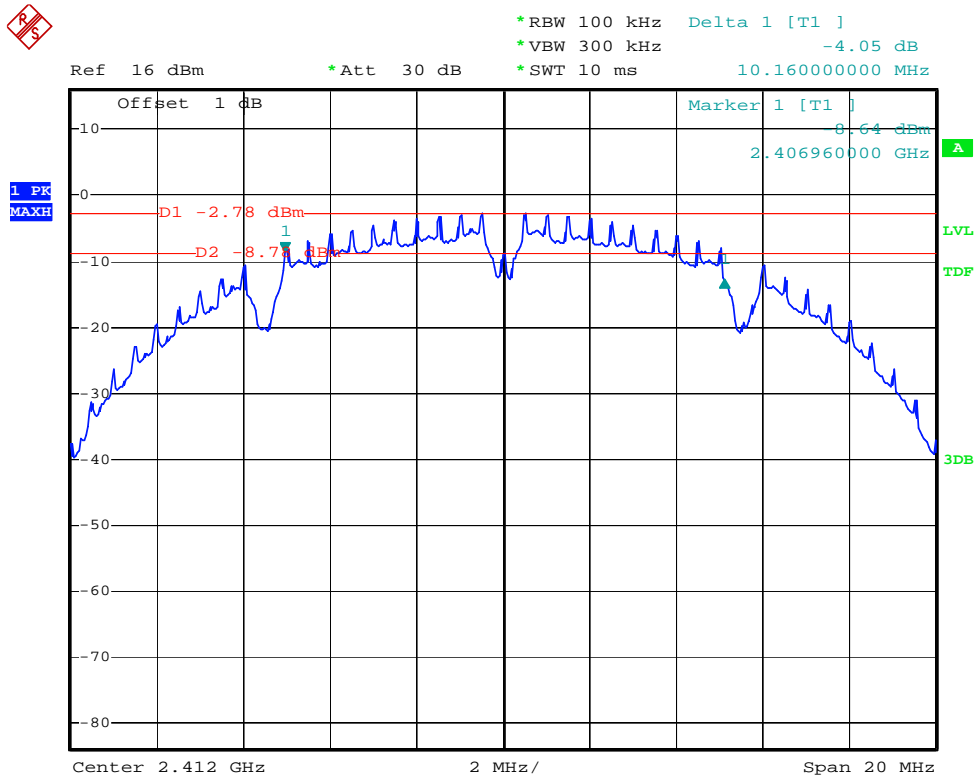
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	16.44	> 0.5MHz
Middle	2437	16.44	> 0.5MHz
High	2462	16.48	> 0.5MHz

The test was performed with 802.11n (Bandwidth: 20 MHz)			
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	17.68	> 0.5MHz
Middle	2437	17.68	> 0.5MHz
High	2462	17.72	> 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	35.36	> 0.5MHz
High	2452	35.28	> 0.5MHz

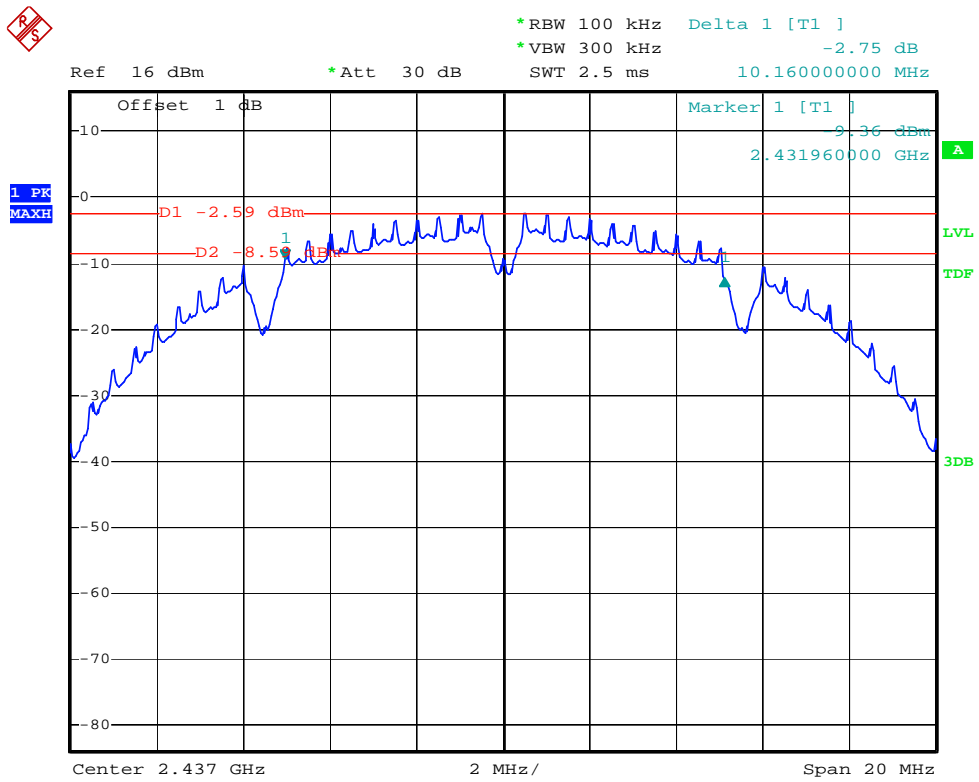
The spectrum analyzer plots are attached as below.

802.11b Channel Low 2412MHz



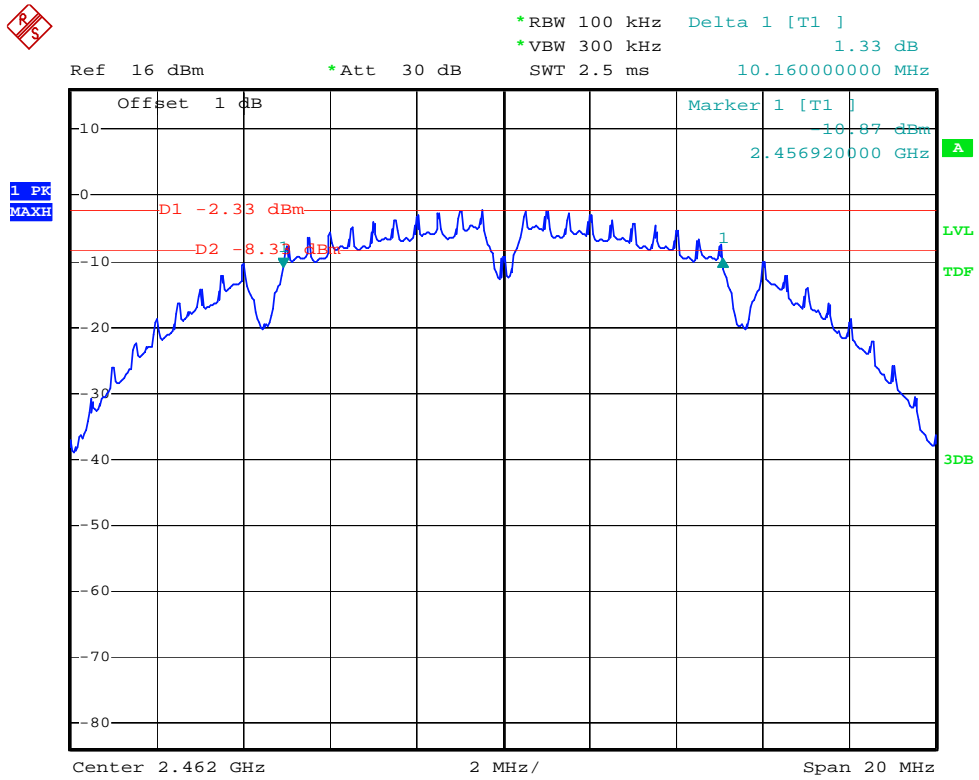
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802.11b Channel Middle 2437MHz



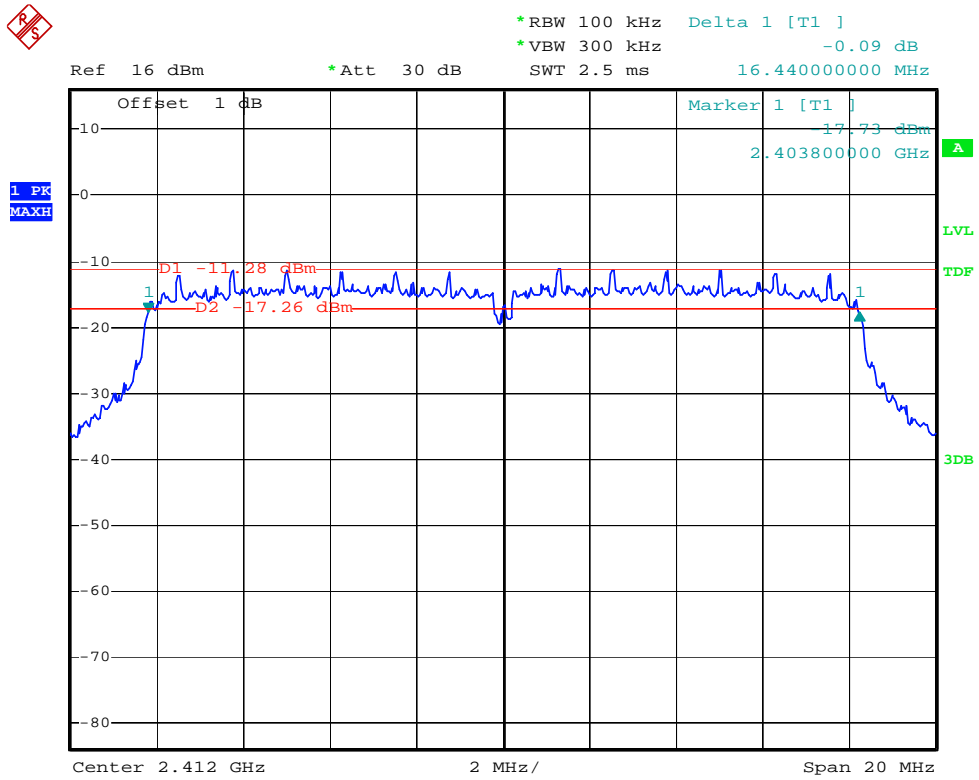
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802.11b Channel High 2462MHz



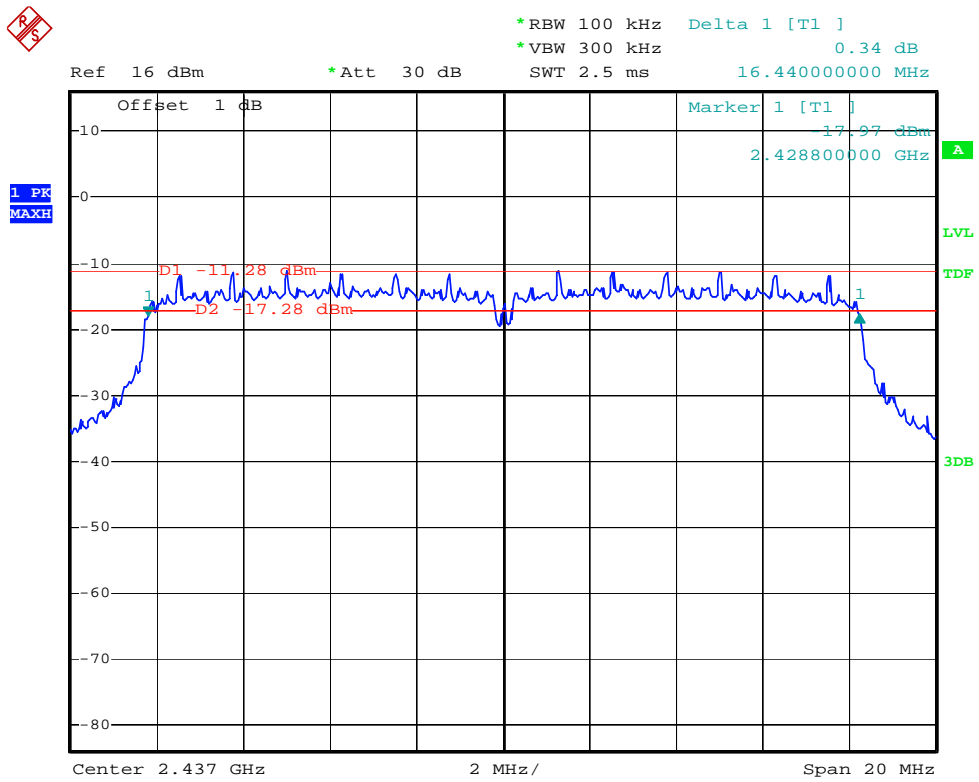
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802.11g Channel Low 2412MHz



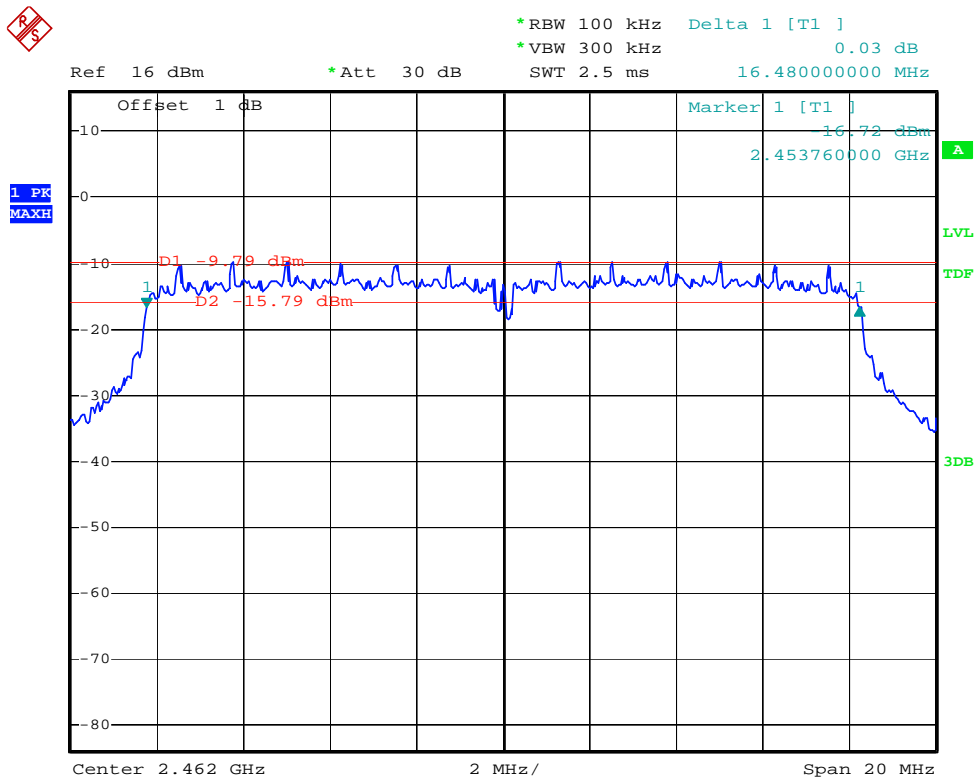
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802.11g Channel Middle 2437MHz



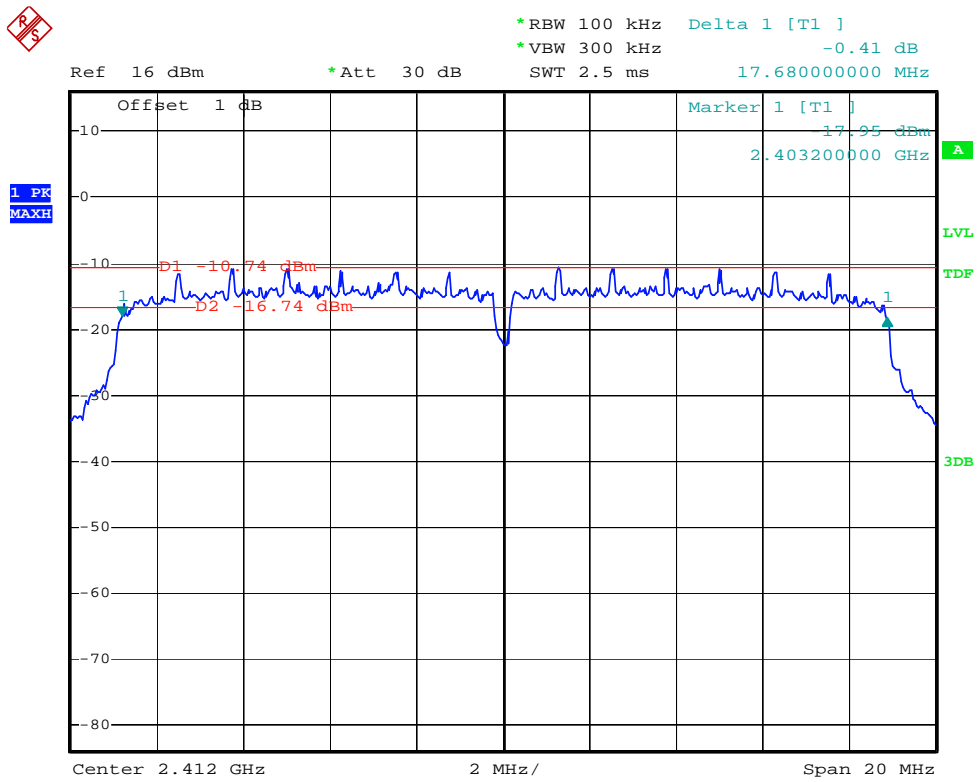
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802.11g Channel High 2462MHz



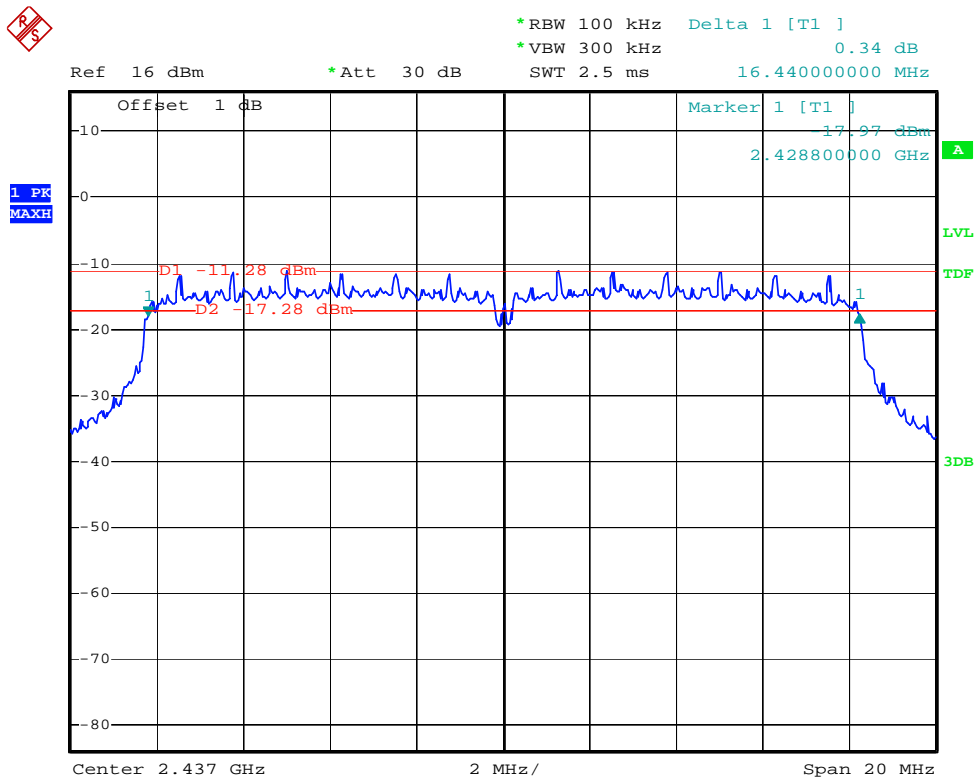
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802.11n Channel Low 2412MHz (20MHz)



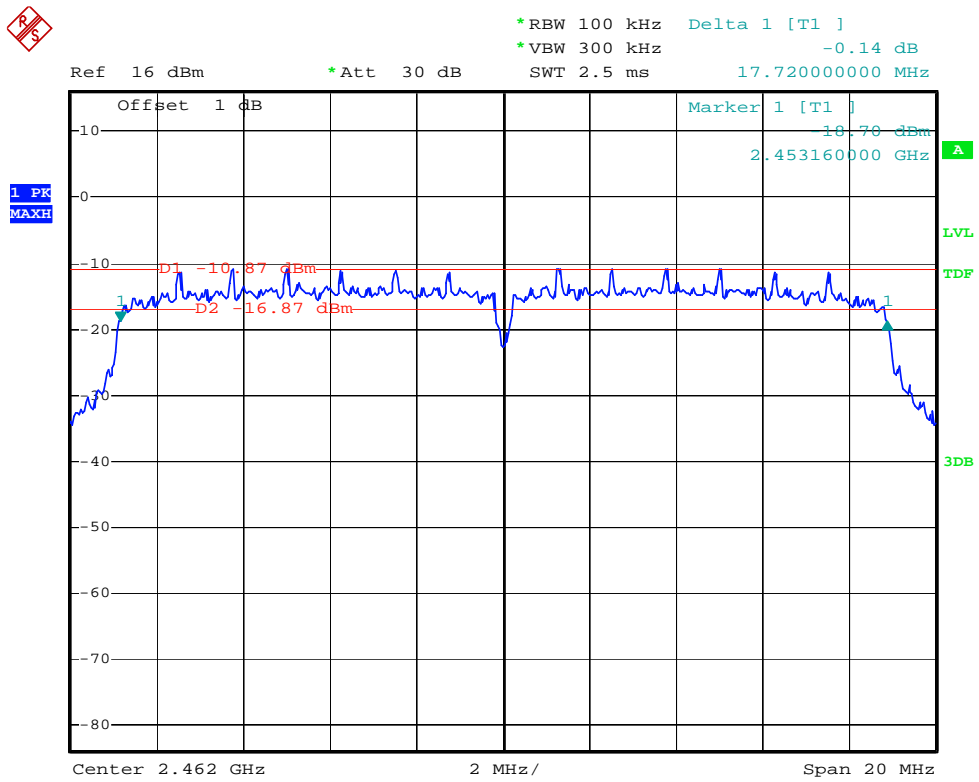
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802.11n Channel Middle 2437MHz (20MHz)



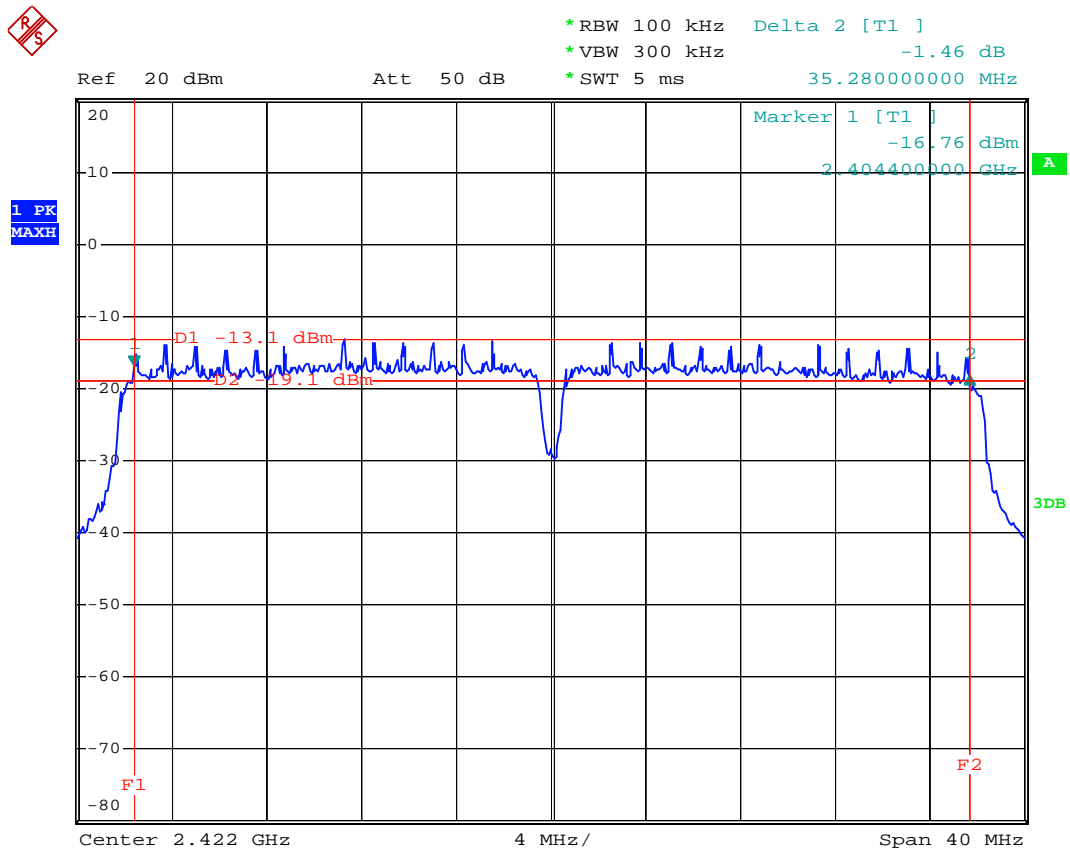
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802.11n Channel High 2462MHz (20MHz)

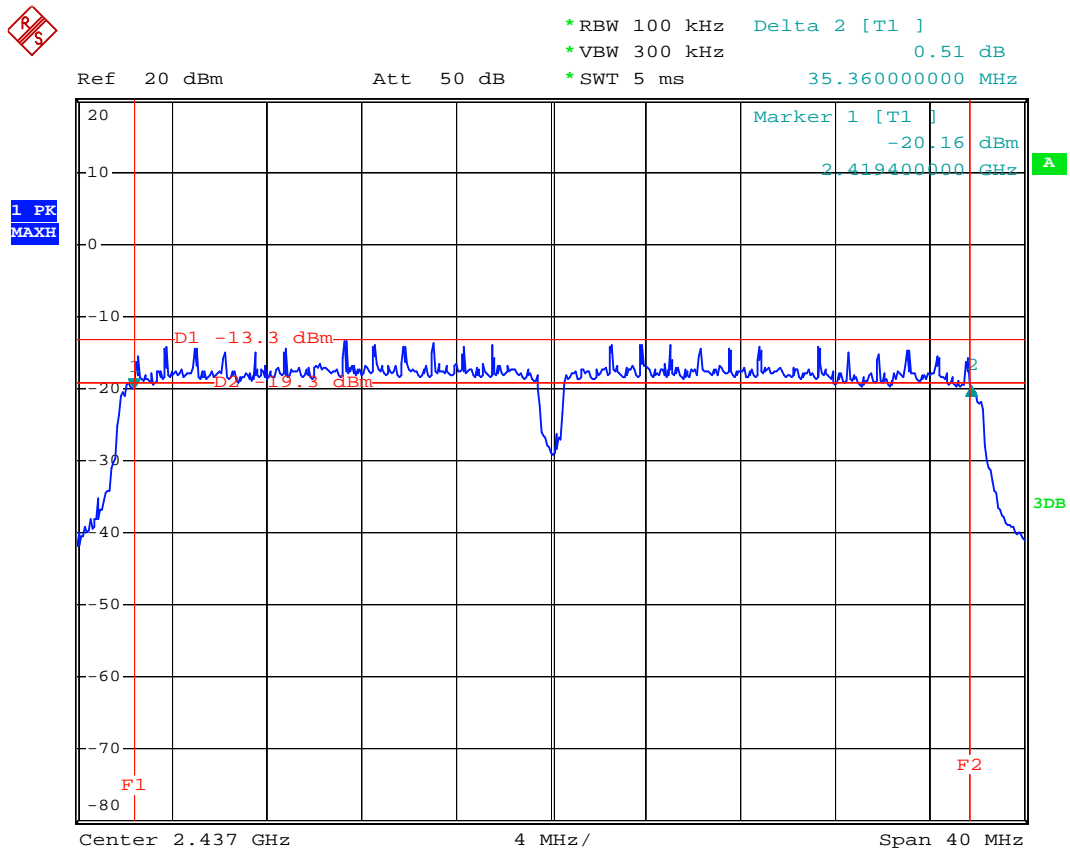


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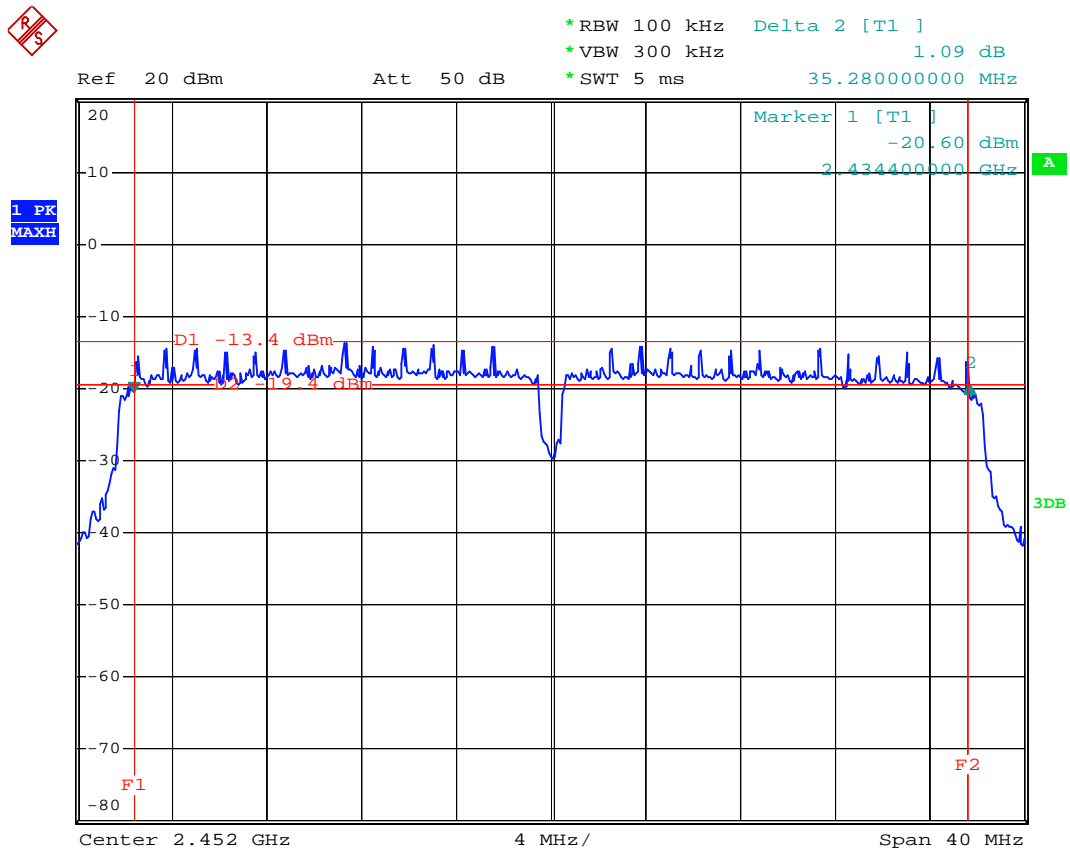
802.11n Channel Low 2422MHz (40MHz)



802.11n Channel Middle 2437MHz (40MHz)

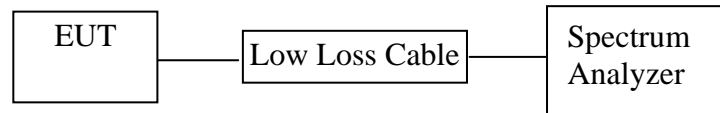


802.11n Channel High 2452MHz (40MHz)



6. MAXIMUM PEAK OUTPUT POWER

6.1. Block Diagram of Test Setup



(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	:	PC741
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 transmitter output was connected to the spectrum analyzer through a low loss cable.

6.5.2. Set RBW of spectrum analyzer to 1MHz and VBW to 3MHz. Set the span \geq 1.5*DTS bandwidth, Detector=peak, Sweep time= auto couple. Use the instrument's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges (for some instruments, this may require a manual override to select peak detector)

6.5.3. Measurement the maximum peak output power.

6.6. Test Result

PASS.

Date of Test:	<u>April 26, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
Test Mode:	<u>TX</u>	Test Engineer:	<u>Allen</u>

The test was performed with 802.11b				
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	9.11	8.15	30 dBm / 1 W
Middle	2437	9.32	8.55	30 dBm / 1 W
High	2462	9.45	8.81	30 dBm / 1 W

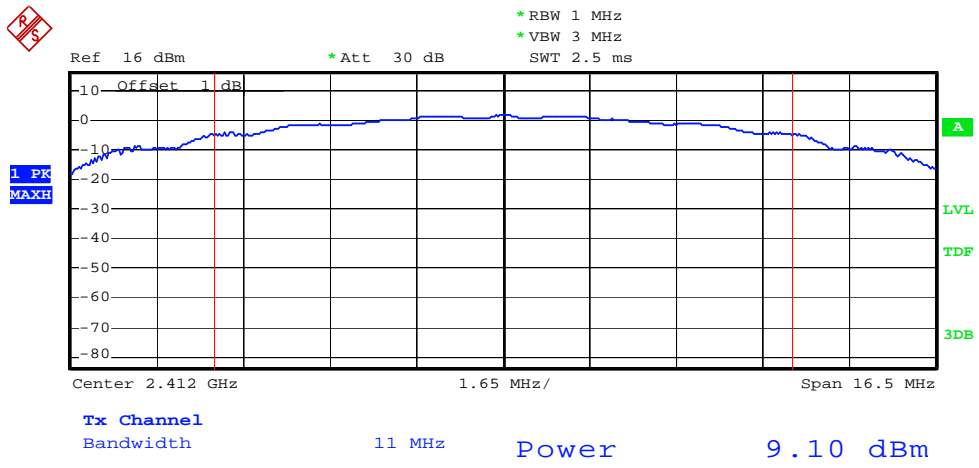
The test was performed with 802.11g				
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	8.50	7.08	30 dBm / 1 W
Middle	2437	8.64	7.31	30 dBm / 1 W
High	2462	8.65	7.33	30 dBm / 1 W

The test was performed with 802.11n (20MHz)				
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	8.95	7.85	30 dBm / 1 W
Middle	2437	8.94	7.83	30 dBm / 1 W
High	2462	9.05	8.04	30 dBm / 1 W

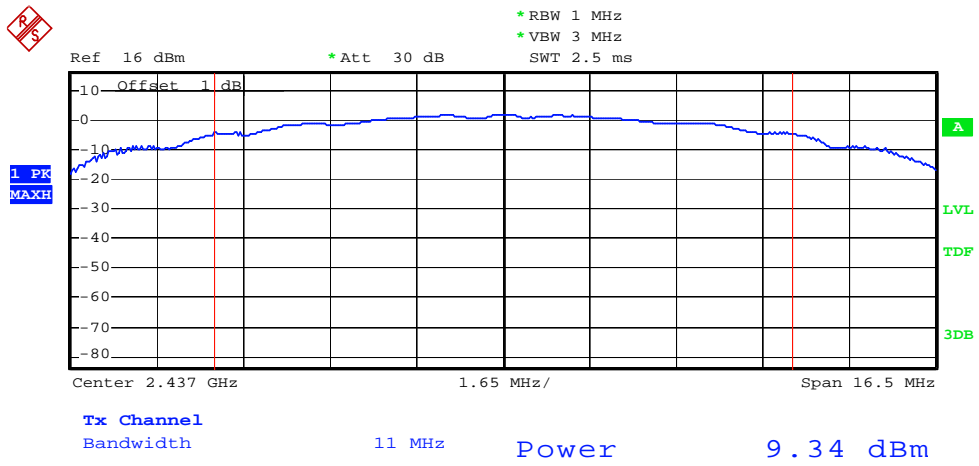
The test was performed with 802.11n (40MHz)				
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2422	9.03	8.00	30 dBm / 1 W
Middle	2437	8.75	7.50	30 dBm / 1 W
High	2452	8.34	6.82	30 dBm / 1 W

The spectrum analyzer plots are attached as below.

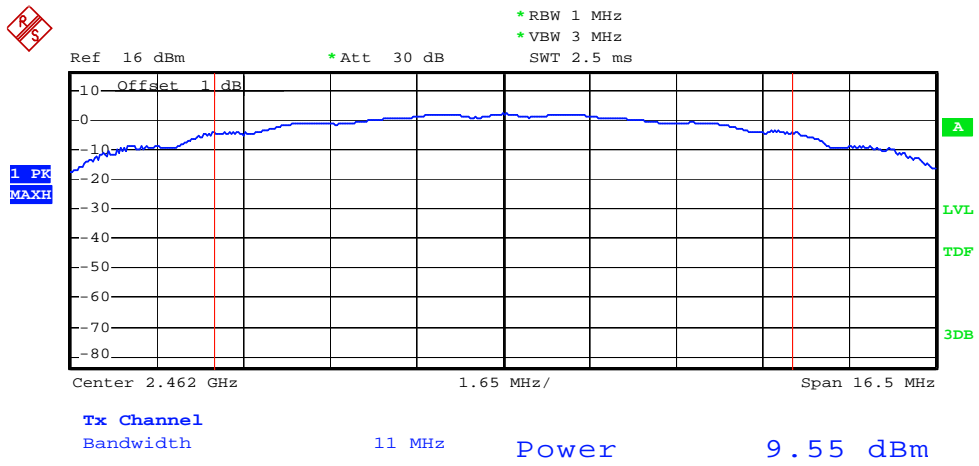
802.11b Channel Low 2412MHz



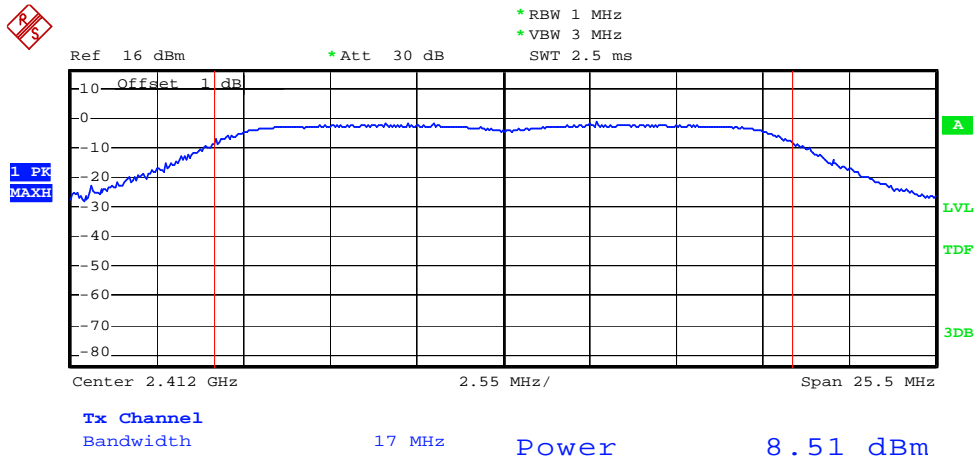
802.11b Channel Middle 2437MHz



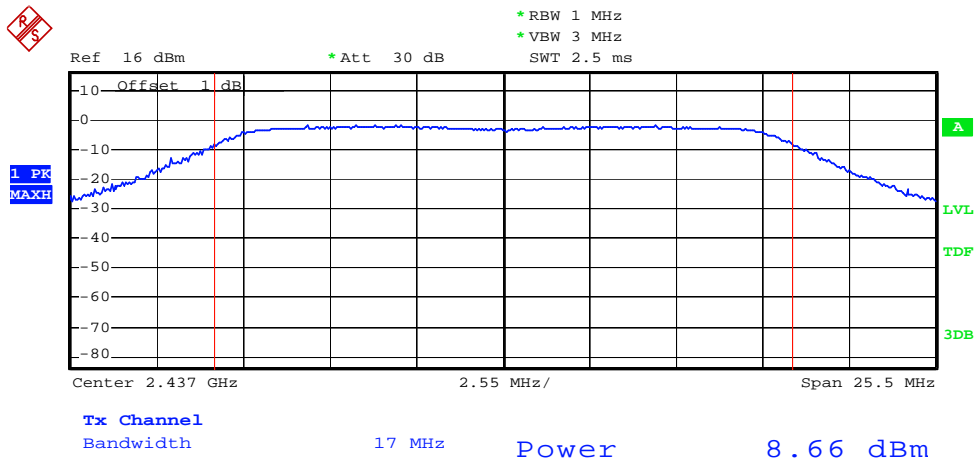
802.11b Channel High 2462MHz



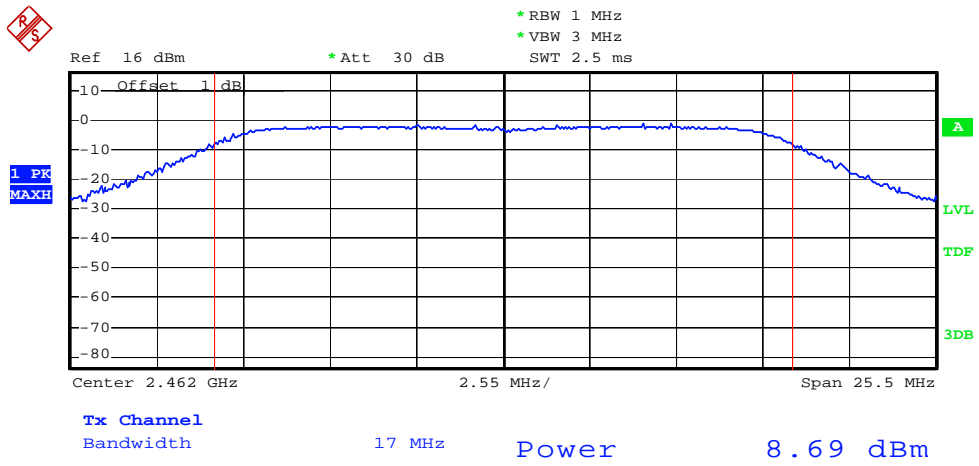
802.11g Channel Low 2412MHz



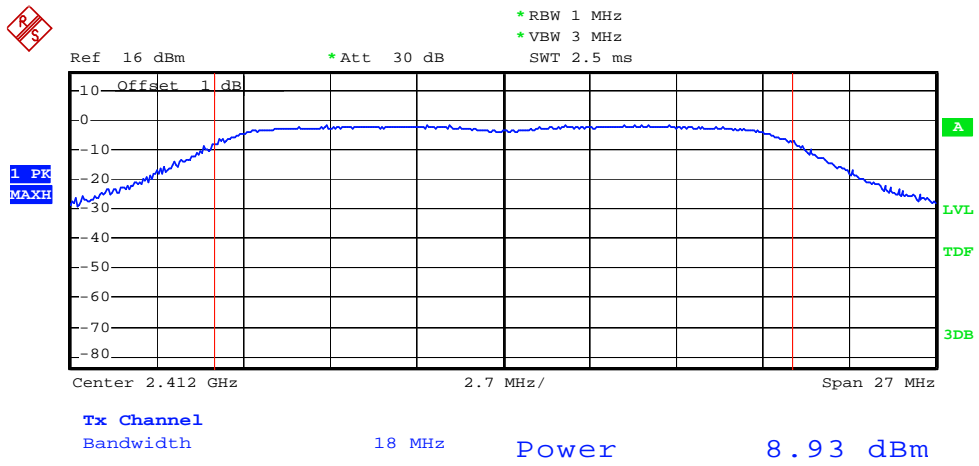
802.11g Channel Middle 2437MHz



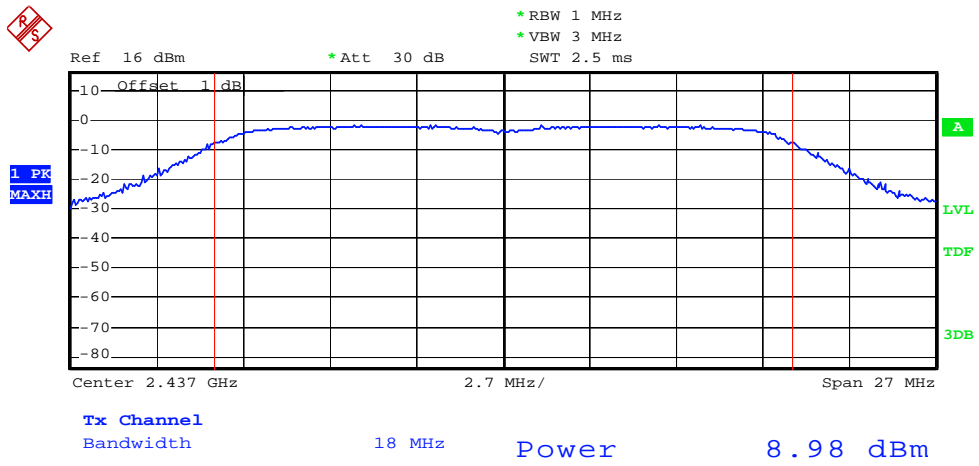
802.11g Channel High 2462MHz



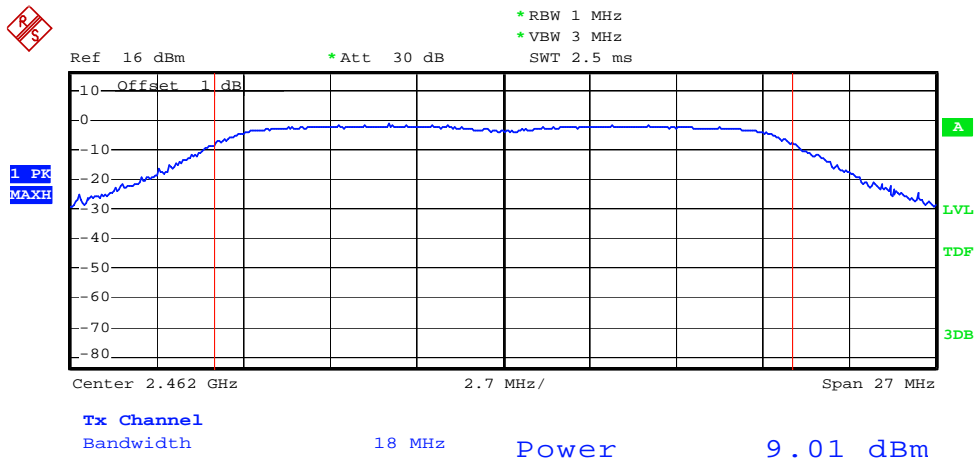
802.11n Channel Low 2412MHz (20MHz)



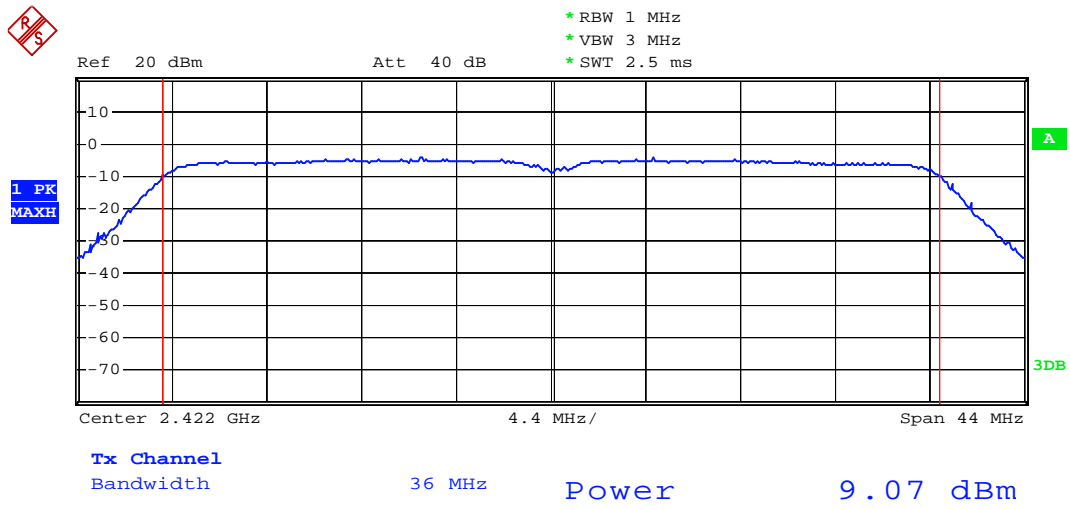
802.11n Channel Middle 2437MHz (20MHz)



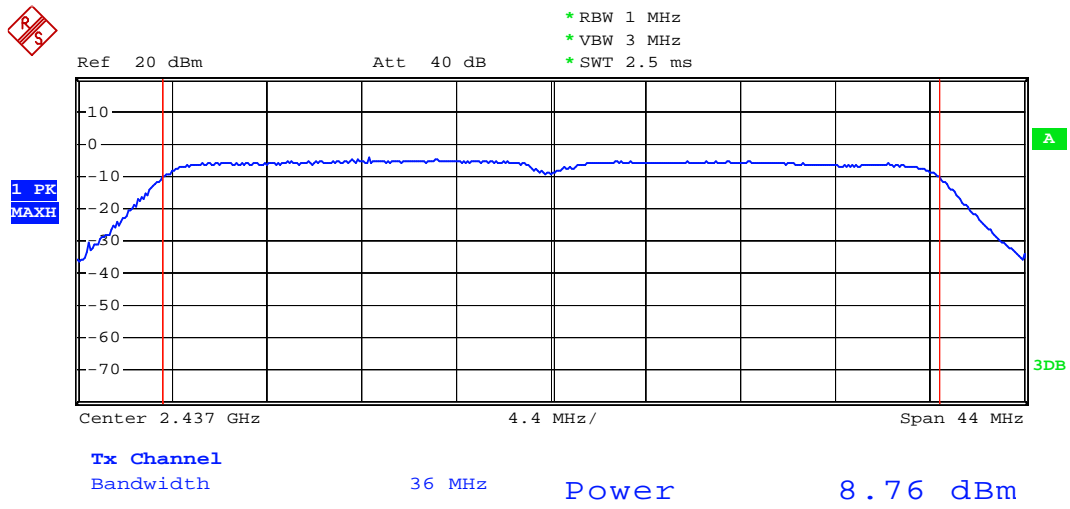
802.11n Channel High 2462MHz (20MHz)



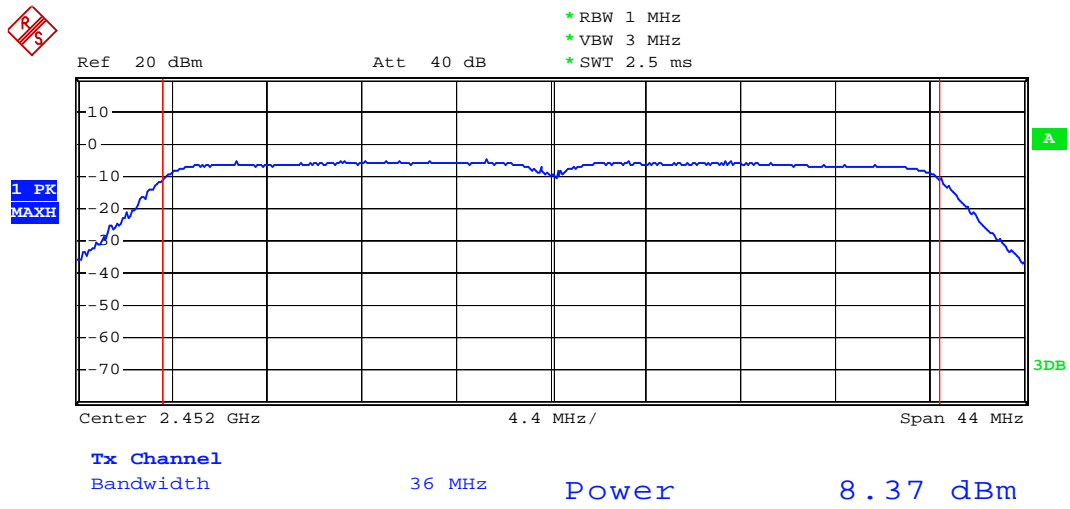
802.11n Channel Low 2422MHz (40MHz)



802.11n Channel Middle 2437MHz (40MHz)

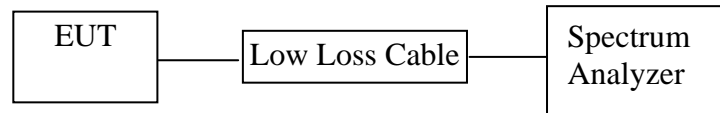


802.11n Channel High 2452MHz (40MHz)



7. POWER SPECTRAL DENSITY MEASUREMENT

7.1. Block Diagram of Test Setup



(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	:	PC741
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 transmitter output was connected to the spectrum analyzer through a low loss cable.

7.5.2. Set RBW of spectrum analyzer to 3 kHz and VBW to 10 kHz, sweep time = auto, Set the span to 1.5 times the DTS bandwidth, Detector=peak, Trace mode=max hold, Use the peak marker function to determine the maximum amplitude level within the RBW, If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat..

7.5.3. Measurement the maximum power spectral density.

7.6. Test Result

PASS.

Date of Test:	<u>April 26, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
Test Mode:	<u>TX</u>	Test Engineer:	<u>Allen</u>

The test was performed with 802.11b

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limits (dBm/3kHz)
Low	2412	-15.74	8 dBm
Middle	2437	-16.08	8 dBm
High	2462	-16.54	8 dBm

The test was performed with 802.11G

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limits (dBm/3kHz)
Low	2412	-24.80	8 dBm
Middle	2437	-21.90	8 dBm
High	2462	-21.95	8 dBm

The test was performed with 802.11n (20MHz)

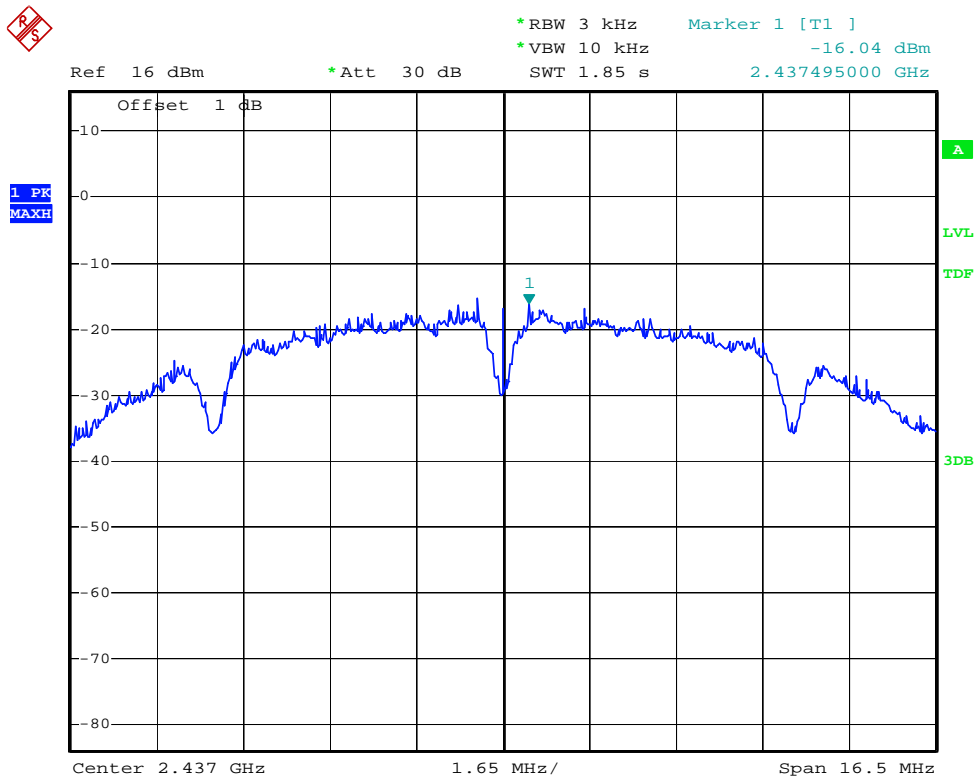
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limits (dBm/ 3kHz)
Low	2412	-24.52	8 dBm
Middle	2437	-25.20	8 dBm
High	2462	-24.38	8 dBm

The test was performed with 802.11n (40MHz)

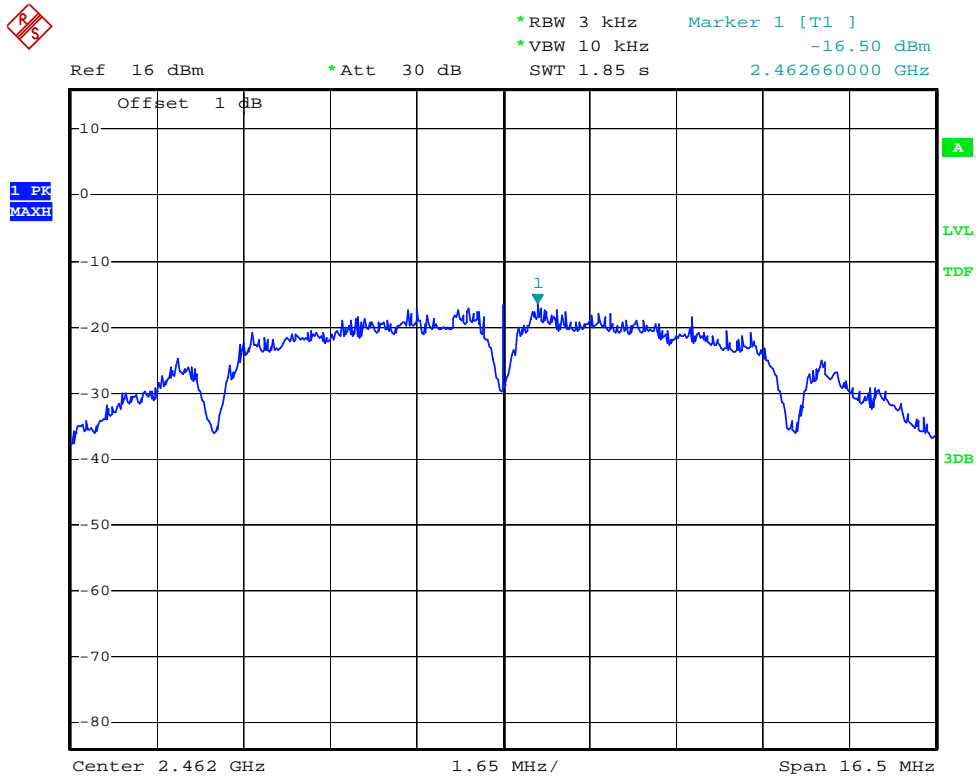
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limits (dBm)
Low	2422	-28.36	8 dBm
Middle	2437	-27.20	8 dBm
High	2452	-28.69	8 dBm

The spectrum analyzer plots are attached as below.

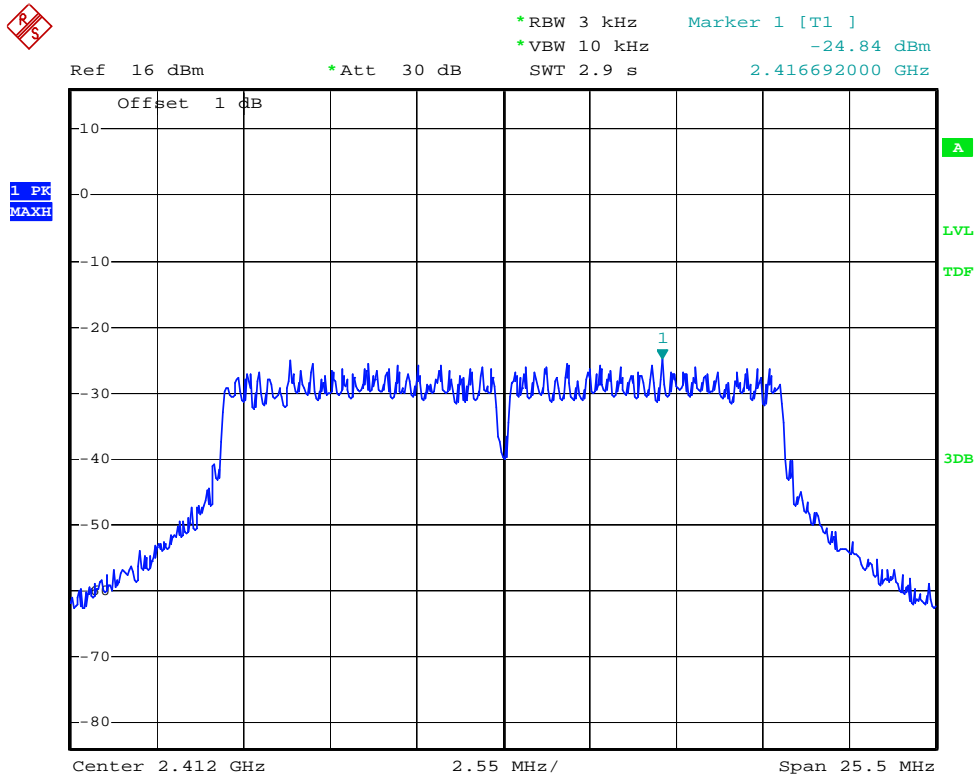
802.11b Channel Middle 2437MHz



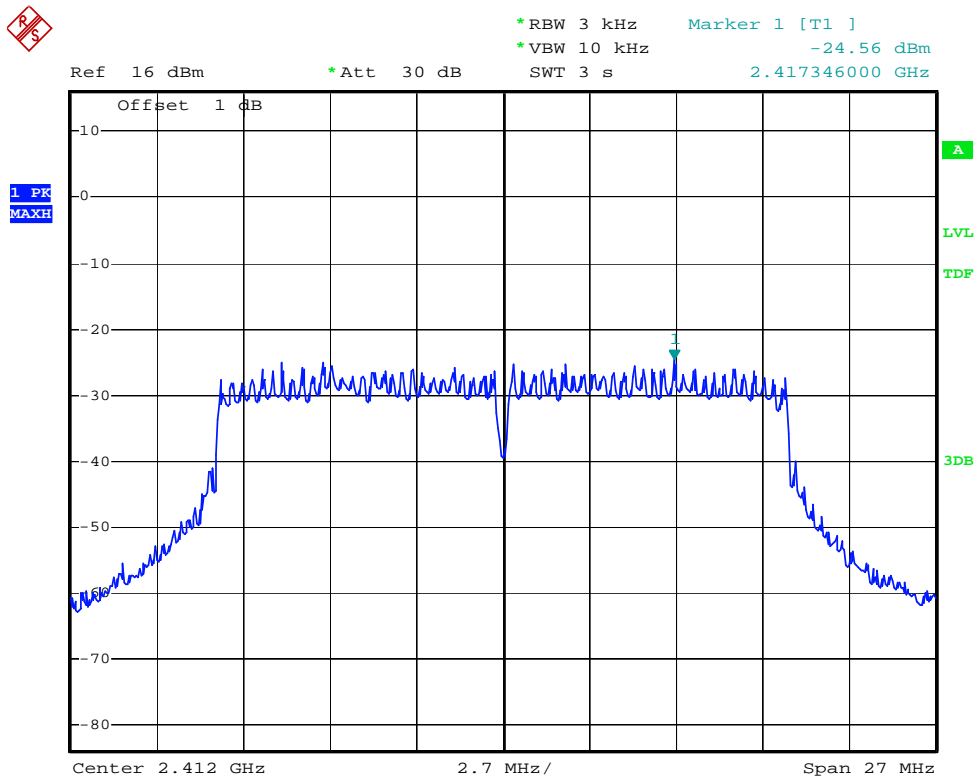
802.11b Channel High 2462MHz



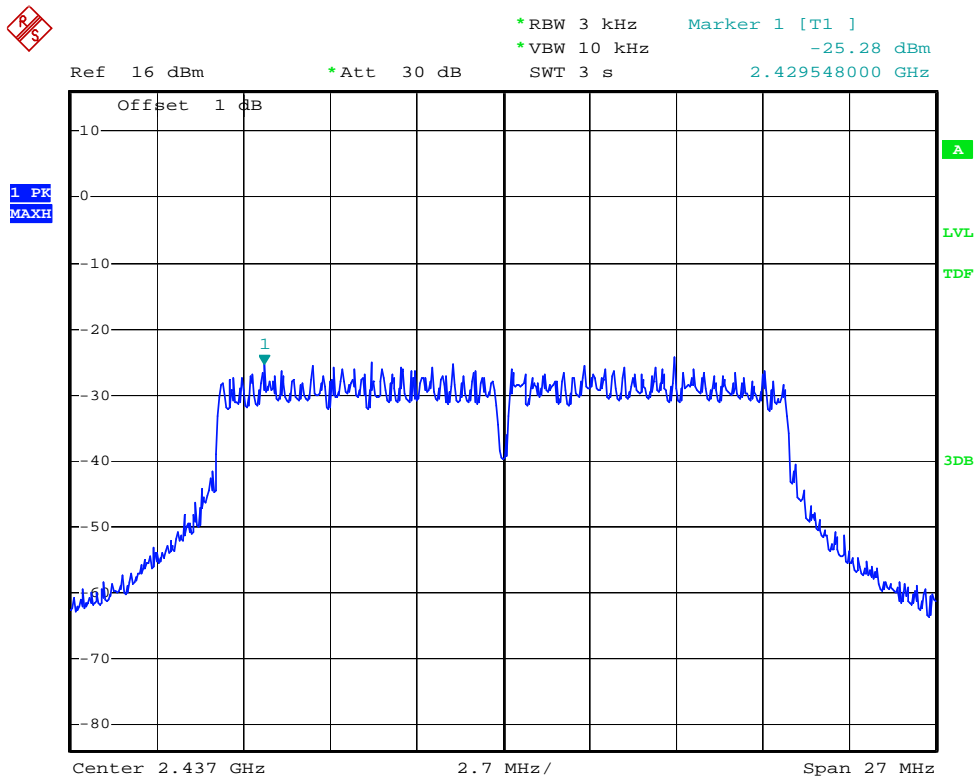
802.11g Channel Low 2412MHz



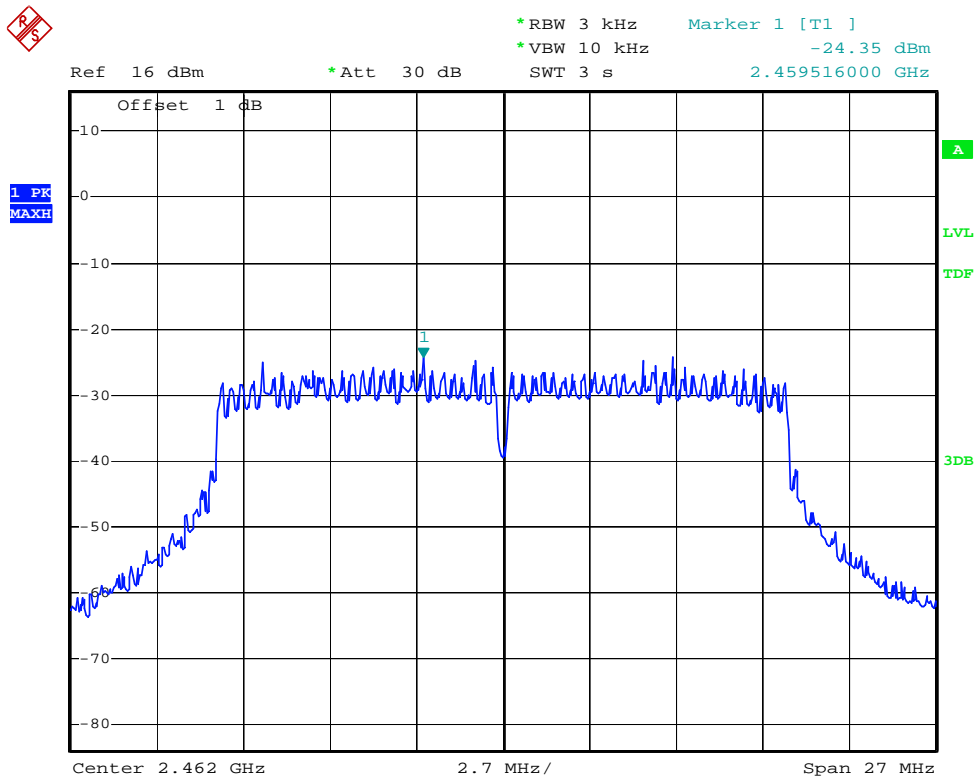
802.11n Channel Low 2412MHz (20MHz)



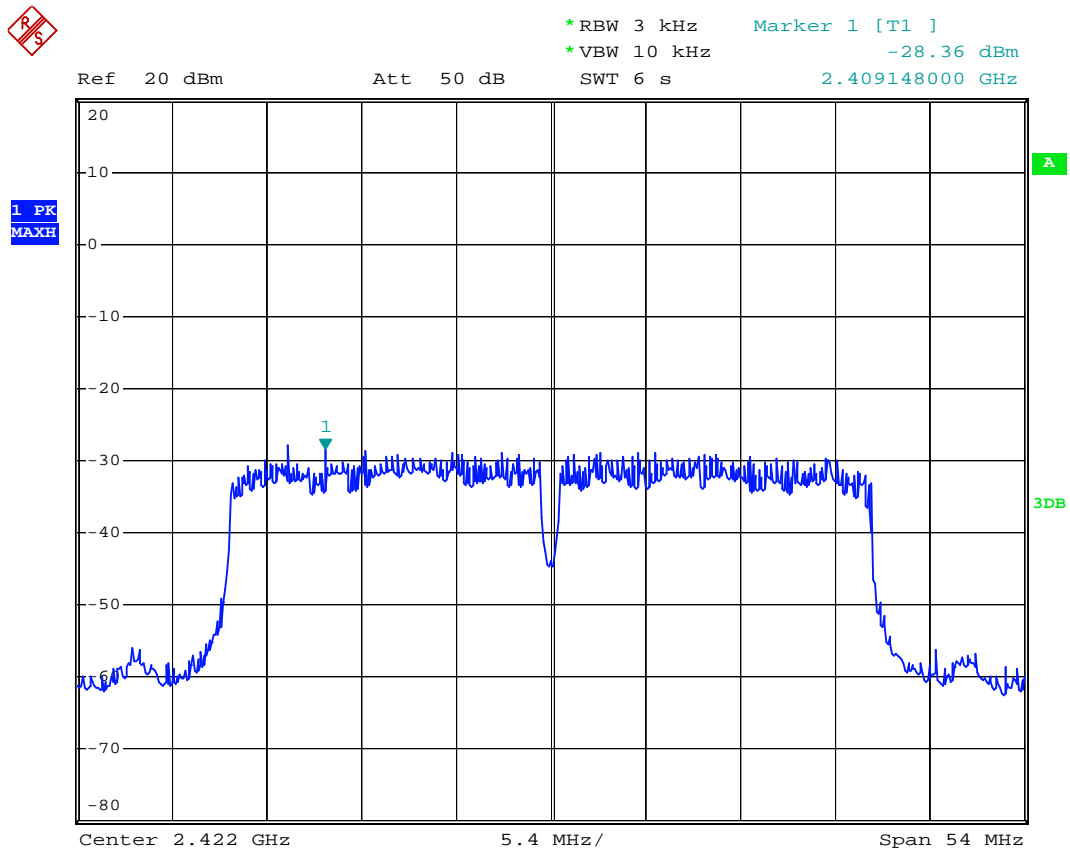
802.11n Channel Middle 2437MHz (20MHz)



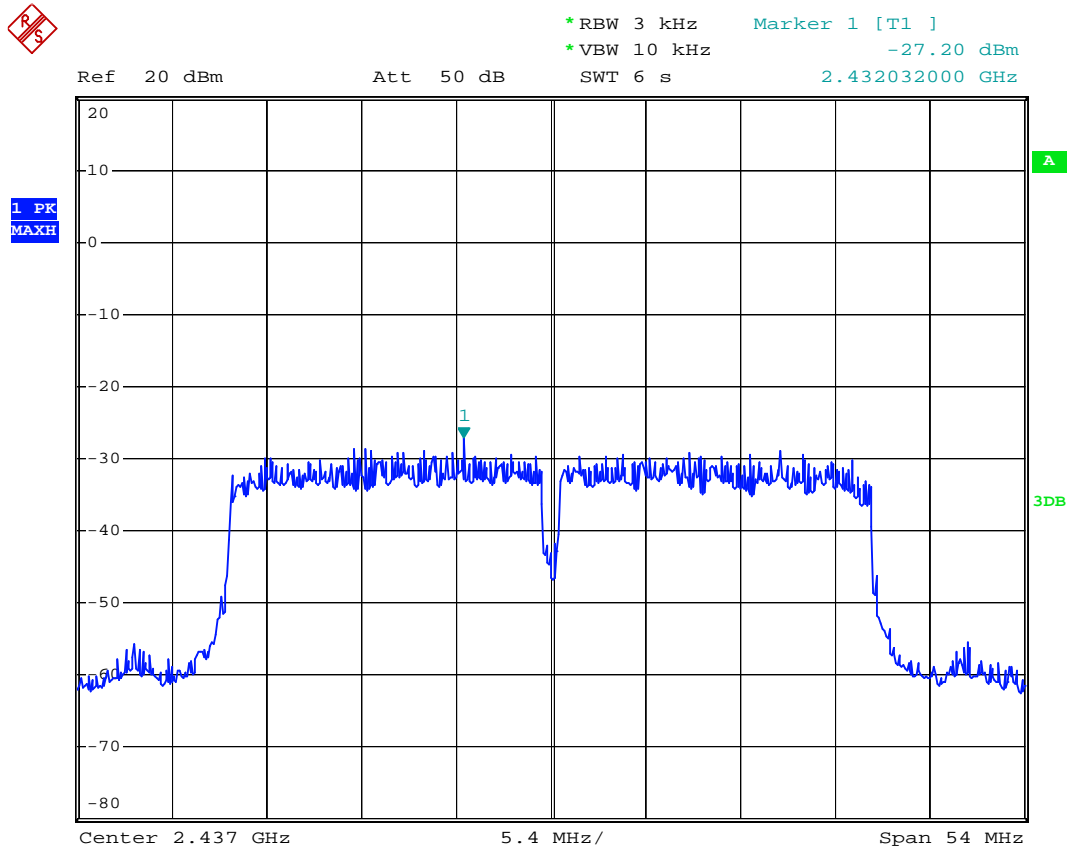
802.11n Channel High 2462MHz (20MHz)



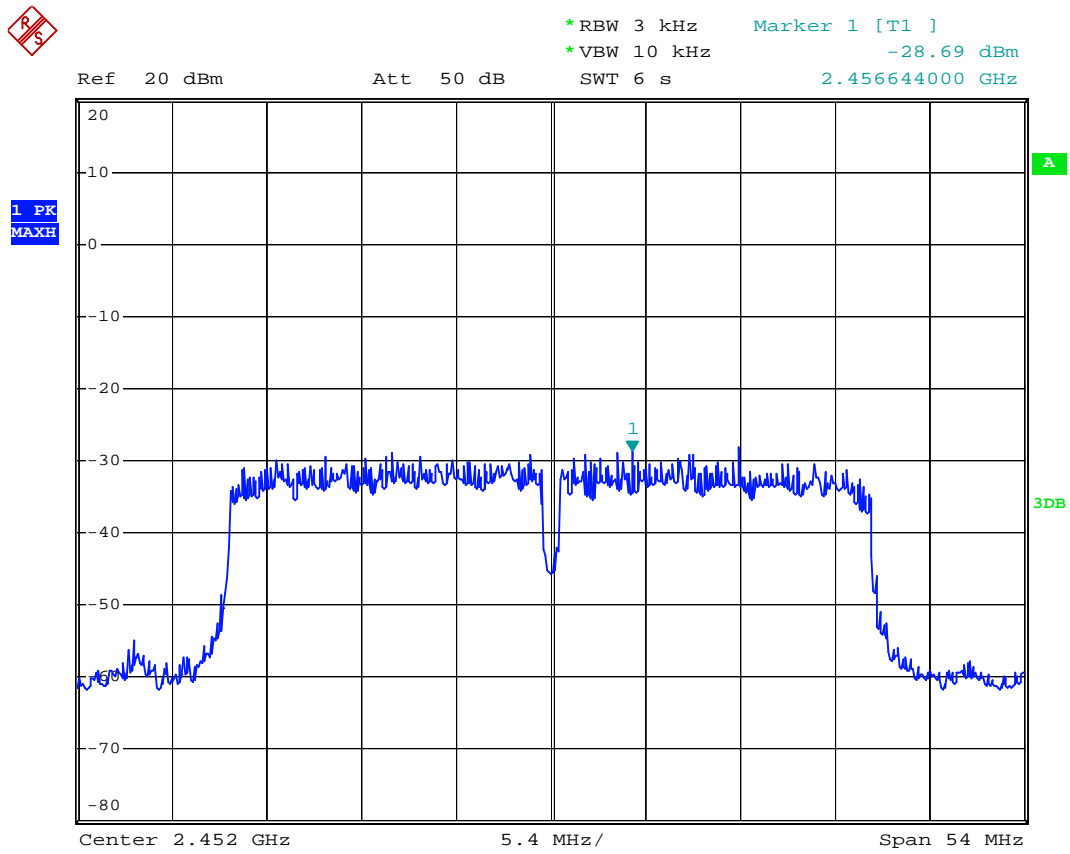
802.11n Channel Low 2422MHz (40MHz)



802.11n Channel Middle 2437MHz (40MHz)

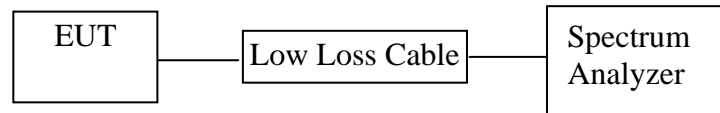


802.11n Channel High 2452MHz (40MHz)



8. BAND EDGE COMPLIANCE TEST

8.1. Block Diagram of Test Setup



(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	:	PC741
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 100 kHz and VBW to 300 kHz.

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>April 26, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
Test Mode:	<u>TX</u>	Test Engineer:	<u>Allen</u>

The test was performed with 802.11b

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	42.10	> 20dBc
2462	48.05	> 20dBc

The test was performed with 802.11g

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	32.85	> 20dBc
2462	42.00	> 20dBc

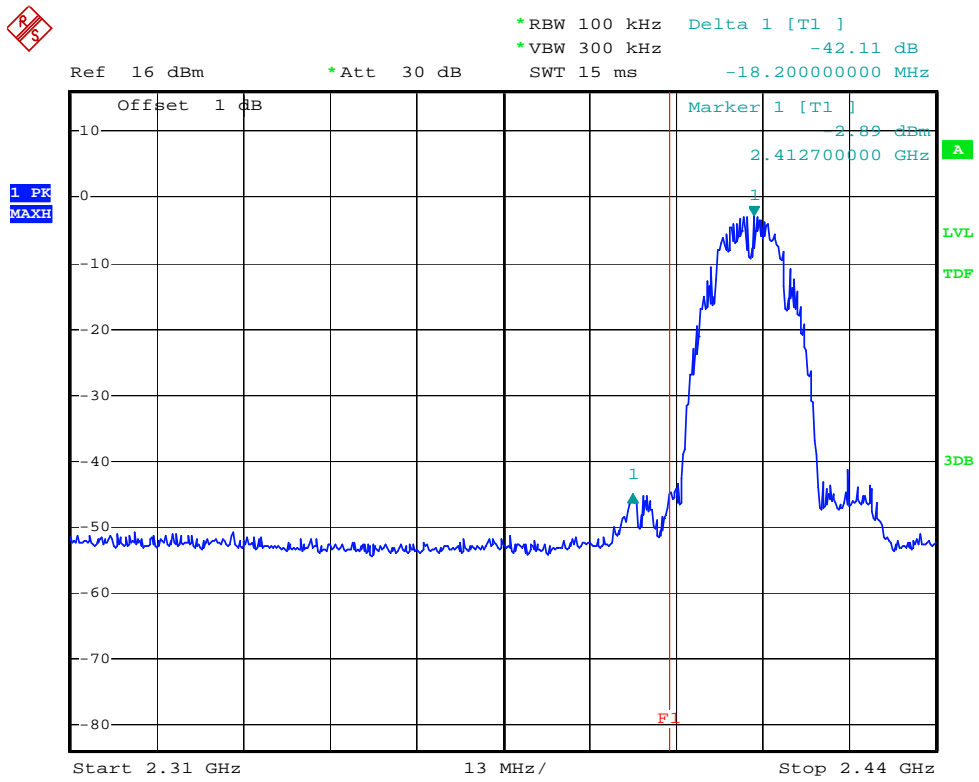
The test was performed with 802.11n (20MHz)

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	32.55	> 20dBc
2462	40.00	> 20dBc

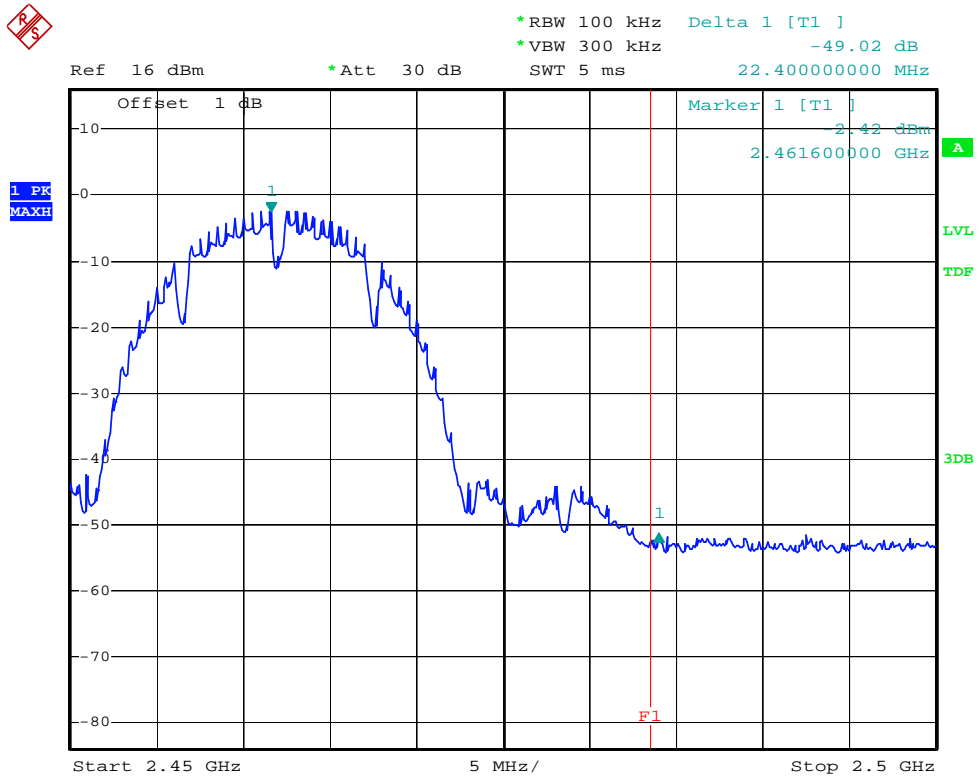
The test was performed with 802.11n (40MHz)

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2422	26.25	> 20dBc
2452	28.76	> 20dBc

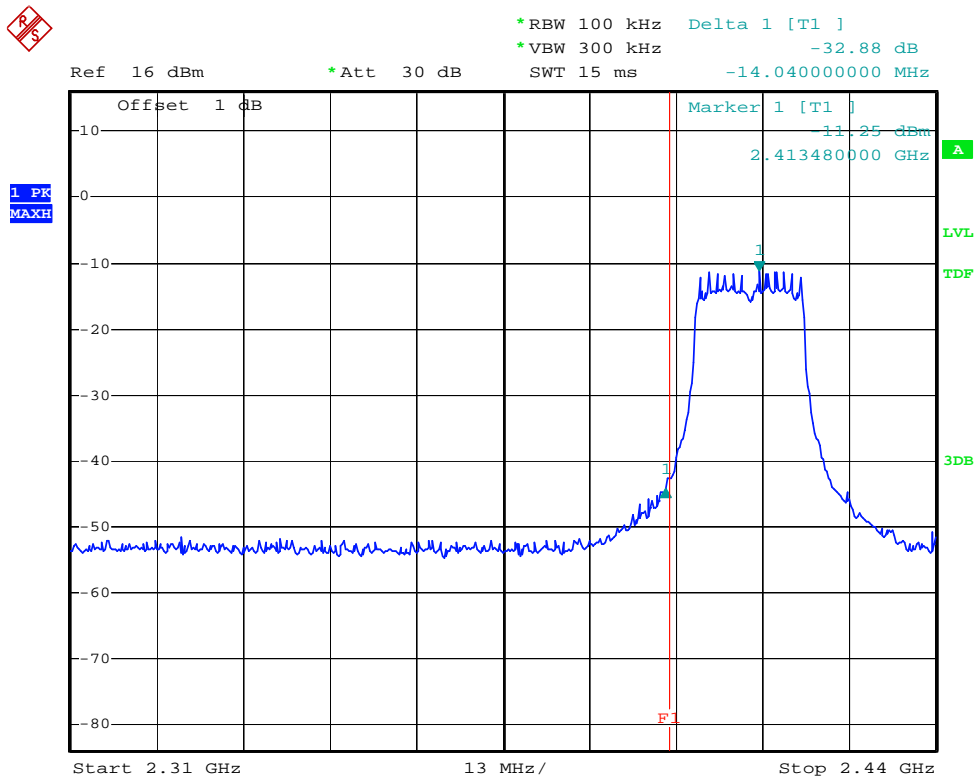
802.11b Channel Low 2412MHz



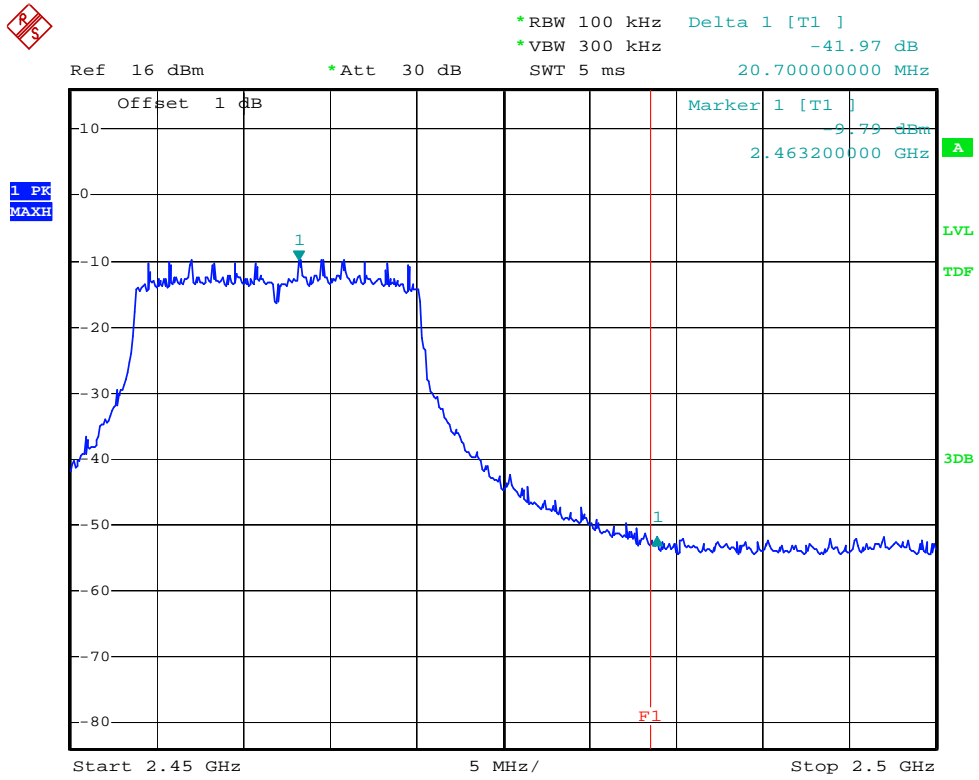
802.11b Channel High 2462MHz



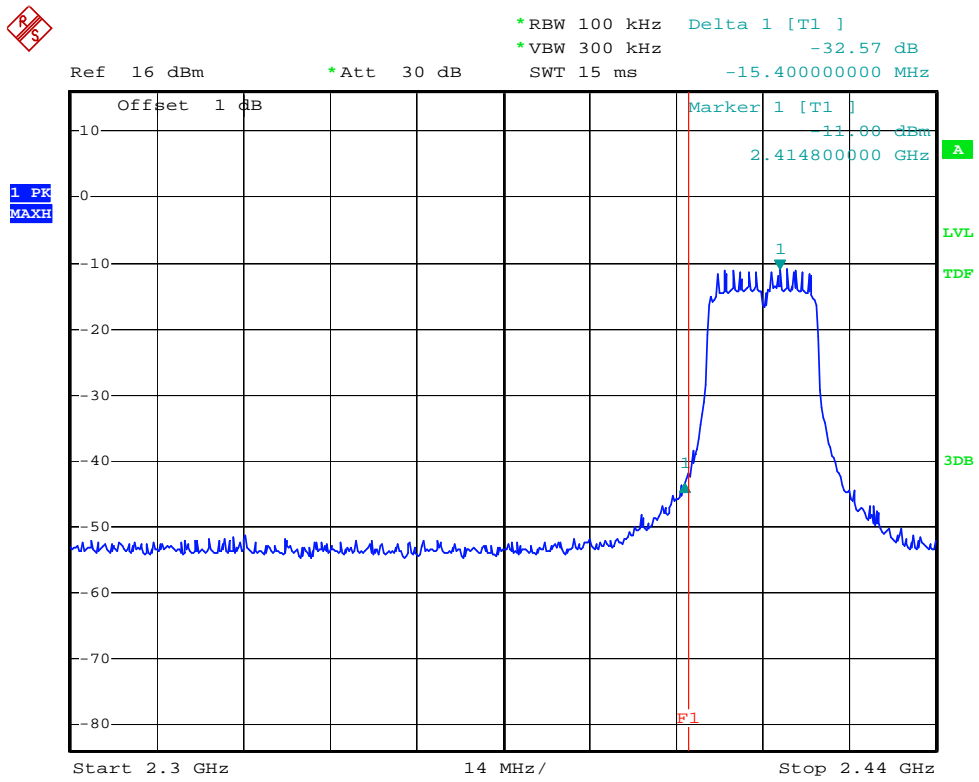
802.11g Channel Low 2412MHz



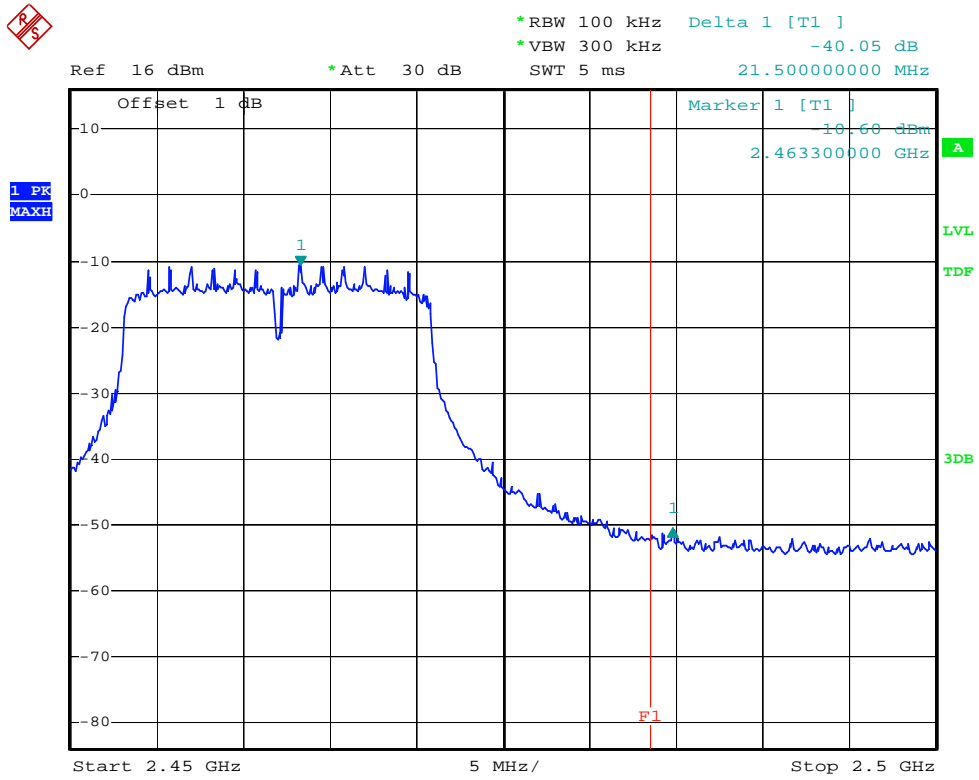
802.11g Channel High 2462MHz



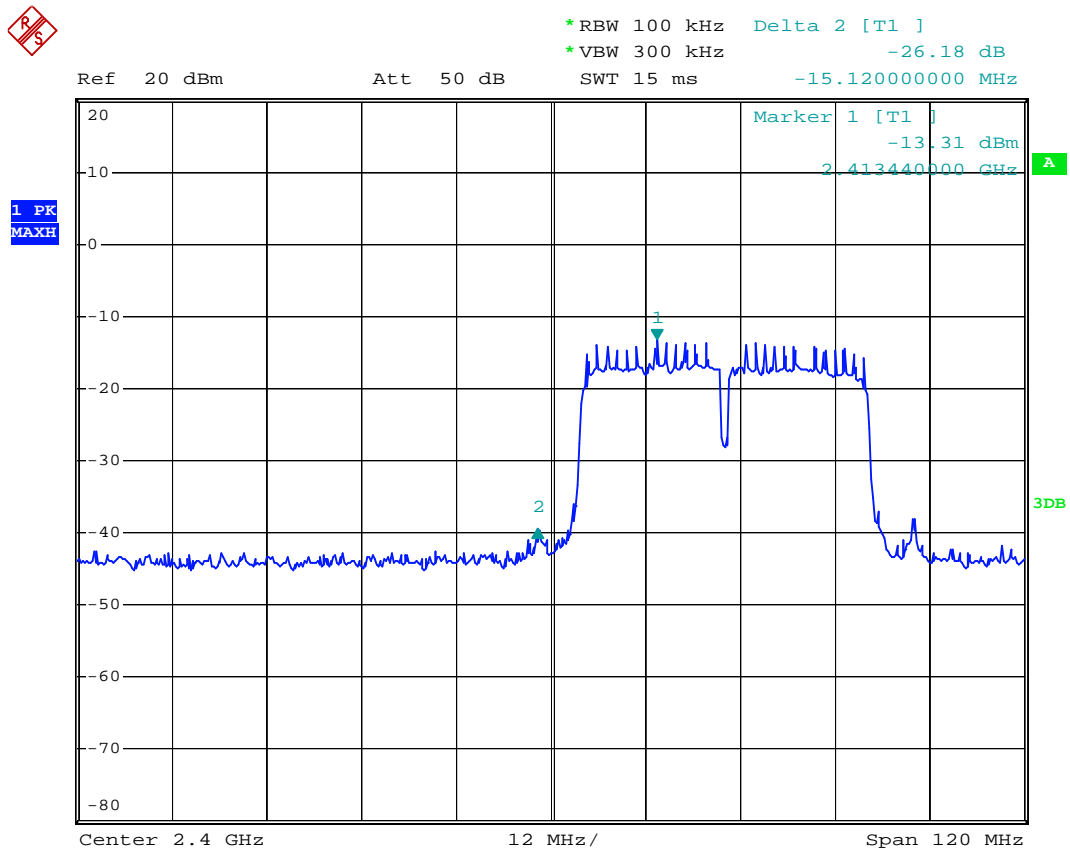
802.11n Channel Low 2412MHz (20MHz)



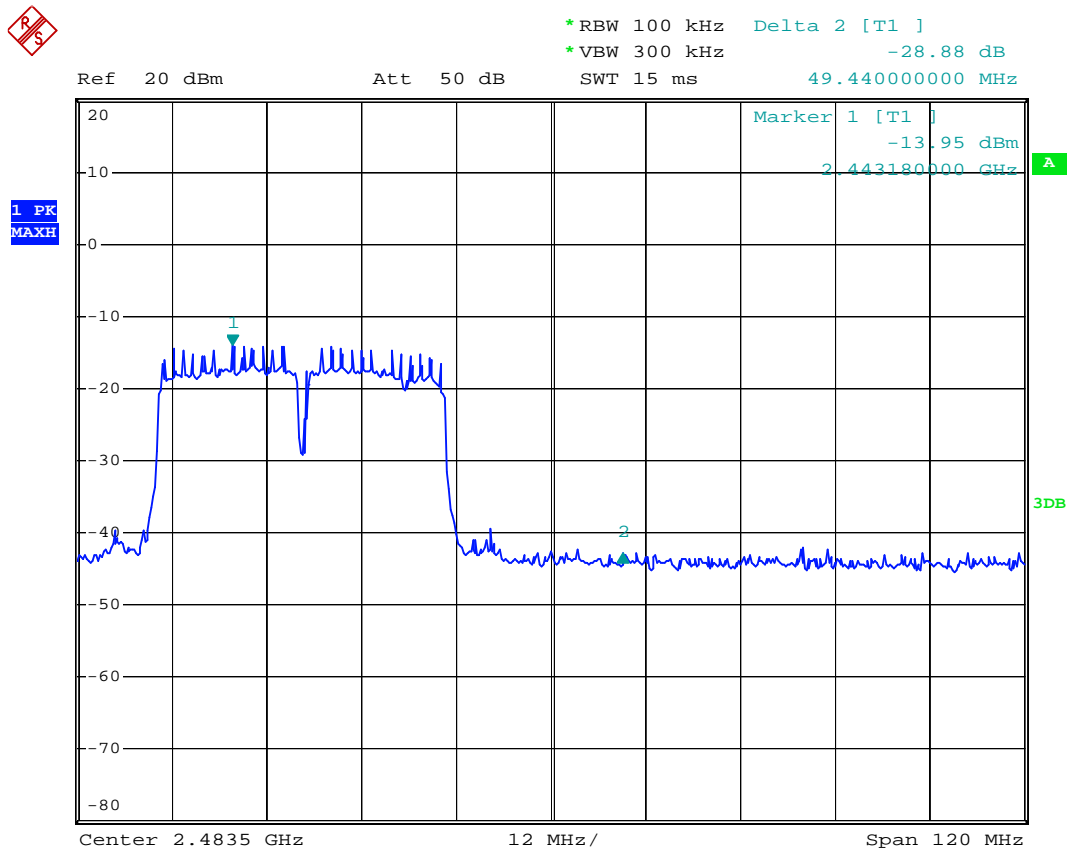
802.11n Channel High 2462MHz (20MHz)



802.11n Channel Low 2422MHz (40MHz)



802.11n Channel High 2452MHz (40MHz)



Radiated Band Edge Result

Date of Test:	<u>April 30, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
Test Mode:	<u>802.11b Channel Low 2412MHz</u>	Test Engineer:	<u>Allen</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	
2394.778	45.87	49.87	-7.49	38.38	42.38	54	74	-15.62	-31.62	Vertical
2400.000	52.05	55.86	-7.46	44.59	48.40	54	74	-9.41	-25.60	Vertical
2394.647	45.71	49.38	-7.49	38.22	41.89	54	74	-15.78	-32.11	Horizontal
2400.000	51.89	55.58	-7.46	44.43	48.12	54	74	-9.57	-25.88	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>April 30, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
Test Mode:	<u>802.11b Channel High 2462MHz</u>	Test Engineer:	<u>Allen</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	41.78	45.93	-7.37	34.41	38.56	54	74	-19.59	-35.44	Vertical
2487.556	44.35	48.69	-7.38	36.97	41.31	54	74	-17.03	-32.69	Vertical
2483.500	44.25	48.08	-7.37	36.88	40.71	54	74	-17.12	-33.29	Horizontal
2484.893	46.04	50.42	-7.38	38.66	43.04	54	74	-15.34	-30.96	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>April 30, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
Test Mode:	<u>802.11g Channel Low 2412MHz</u>	Test Engineer:	<u>Allen</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	
2396.618	53.14	57.08	-7.48	45.66	49.60	54	74	-8.34	-24.40	Vertical
2400.000	57.87	63.99	-7.46	50.41	56.53	54	74	-3.59	-17.47	Vertical
2398.855	58.36	63.91	-7.46	50.90	56.45	54	74	-3.10	-17.55	Horizontal
2400.000	58.12	66.85	-7.46	50.66	59.39	54	74	-3.34	-14.61	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>April 30, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
Test Mode:	<u>802.11g Channel High 2462MHz</u>	Test Engineer:	<u>Allen</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	45.88	49.42	-7.37	38.51	42.05	54	74	-15.49	-31.95	Vertical
2484.954	46.35	50.39	-7.38	38.97	43.01	54	74	-15.03	-30.99	Vertical
2483.500	42.11	45.76	-7.37	34.74	38.39	54	74	-19.26	-35.61	Horizontal
2485.014	42.01	46.22	-7.38	34.63	38.84	54	74	-19.37	-35.16	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>April 30, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
Test Mode:	<u>802.11n Channel Low 2412MHz (20MHz)</u>	Test Engineer:	<u>Allen</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	
2398.460	58.36	63.31	-7.47	50.89	55.84	54	74	-3.11	-18.16	Vertical
2400.000	58.34	62.01	-7.46	50.88	54.55	54	74	-3.12	-19.45	Vertical
2398.328	54.01	58.62	-7.47	46.54	51.15	54	74	-7.46	-22.85	Horizontal
2400.000	56.32	61.18	-7.46	48.86	53.72	54	74	-5.14	-20.28	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>April 30, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
Test Mode:	<u>802.11n Channel High 2462MHz (20MHz)</u>	Test Engineer:	<u>Allen</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	41.56	44.61	-7.37	34.19	37.24	54	74	-19.81	-36.76	Vertical
2486.406	42.01	47.93	-7.39	34.62	40.54	54	74	-19.38	-33.46	Vertical
2483.500	40.21	43.91	-7.37	32.84	36.54	54	74	-21.16	-37.46	Horizontal
2485.438	42.01	46.21	-7.38	34.63	38.83	54	74	-19.37	-35.17	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>April 30, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
Test Mode:	<u>802.11n Channel Low 2422MHz (40MHz)</u>	Test Engineer:	<u>Allen</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	
2398.723	56.21	59.98	-7.47	48.74	52.51	54	74	-5.26	-21.49	Vertical
2400.000	52.04	55.06	-7.46	44.58	47.60	54	74	-9.42	-26.40	Vertical
2398.328	52.05	55.10	-7.47	44.58	47.63	54	74	-9.42	-26.37	Horizontal
2400.000	48.47	51.69	-7.46	41.01	44.23	54	74	-12.99	-29.77	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>April 30, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
Test Mode:	<u>802.11n Channel High 2452MHz (40MHz)</u>	Test Engineer:	<u>Allen</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	44.23	47.65	-7.37	36.86	40.28	54	74	-17.14	-33.72	Vertical
2485.861	45.12	48.90	-7.38	37.74	41.52	54	74	-16.26	-32.48	Vertical
2483.500	42.24	45.97	-7.37	34.87	38.60	54	74	-19.13	-35.40	Horizontal
2485.014	43.60	47.95	-7.38	36.22	40.57	54	74	-17.78	-33.43	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.



ACCURATE TECHNOLOGY CO., LTD.

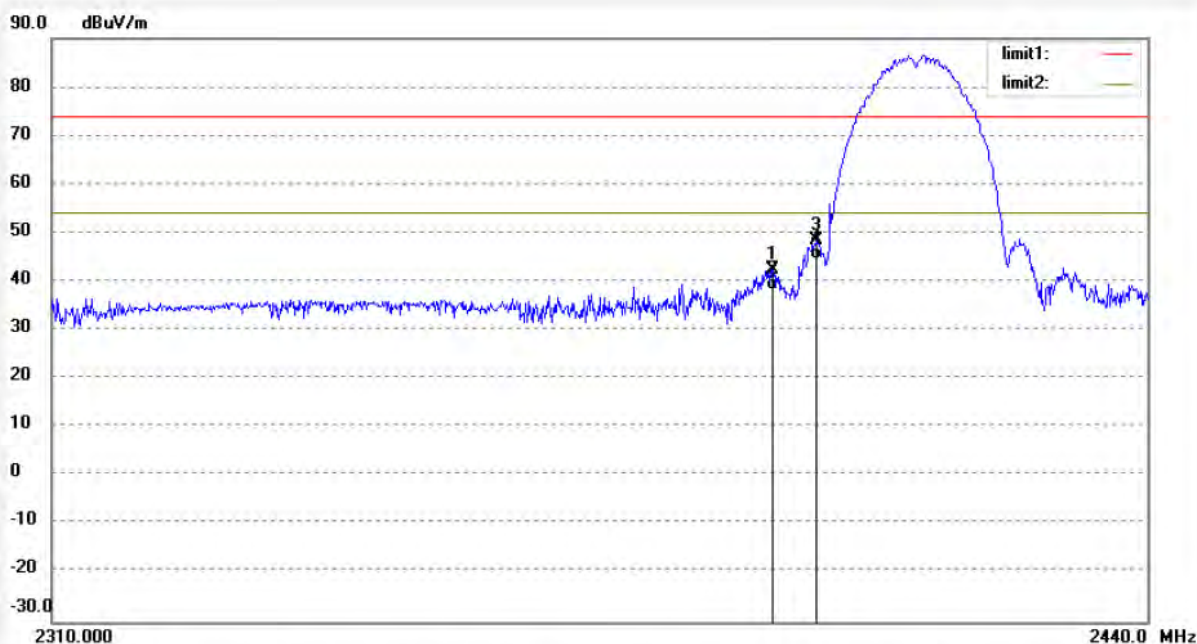
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: ALEN #739
Standard: FCC 15C
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 49 %
EUT: MID
Mode: TX Channel 1(802.11b)
Model: PC741
Manufacturer: Natural Sound

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/04/30/
Time: 9/10/35
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2394.778	49.87	-7.49	42.38	74.00	-31.62	peak			
2	2394.778	45.87	-7.49	38.38	54.00	-15.62	AVG			
3	2400.000	55.86	-7.46	48.40	74.00	-25.60	peak			
4	2400.000	52.05	-7.46	44.59	54.00	-9.41	AVG			



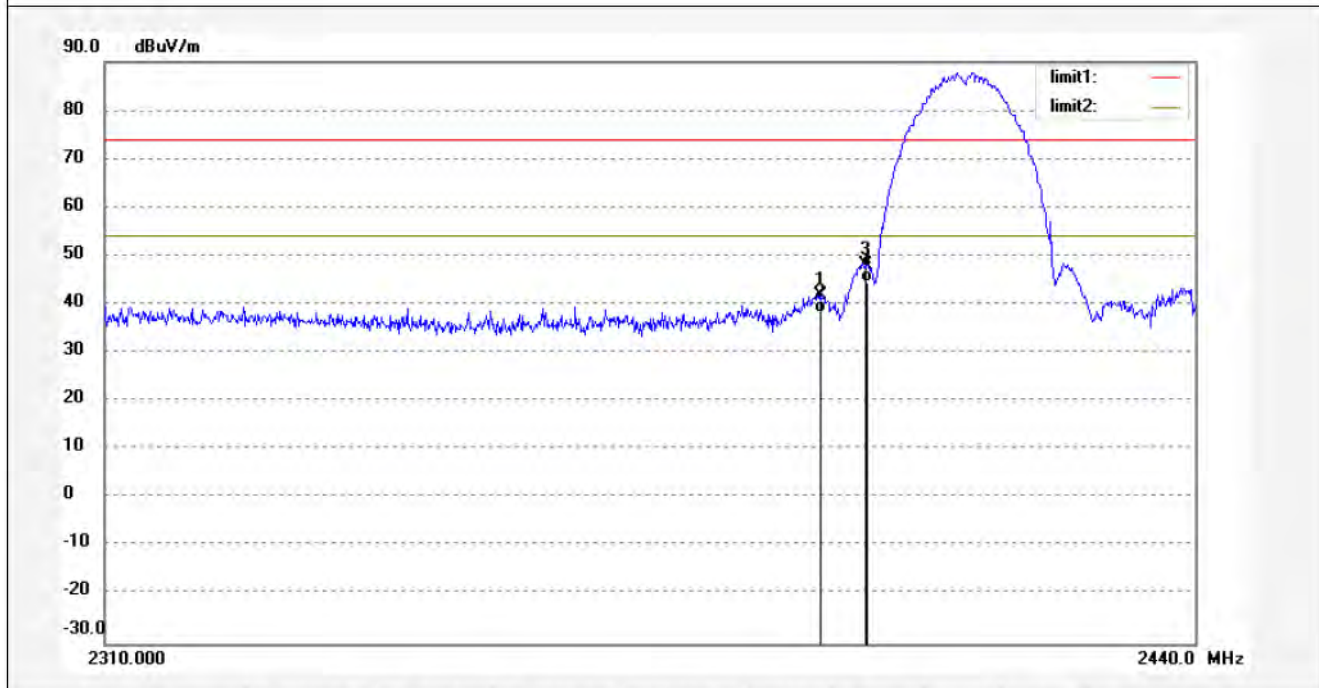
ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: ALEN #740	Polarization: Horizontal
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/30/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/11/42
EUT: MID	Engineer Signature:
Mode: TX Channel 1(802.11b)	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2394.647	49.38	-7.49	41.89	74.00	-32.11	peak			
2	2394.647	45.71	-7.49	38.22	54.00	-15.78	AVG			
3	2400.000	55.58	-7.46	48.12	74.00	-25.88	peak			
4	2400.000	51.89	-7.46	44.43	54.00	-9.57	AVG			


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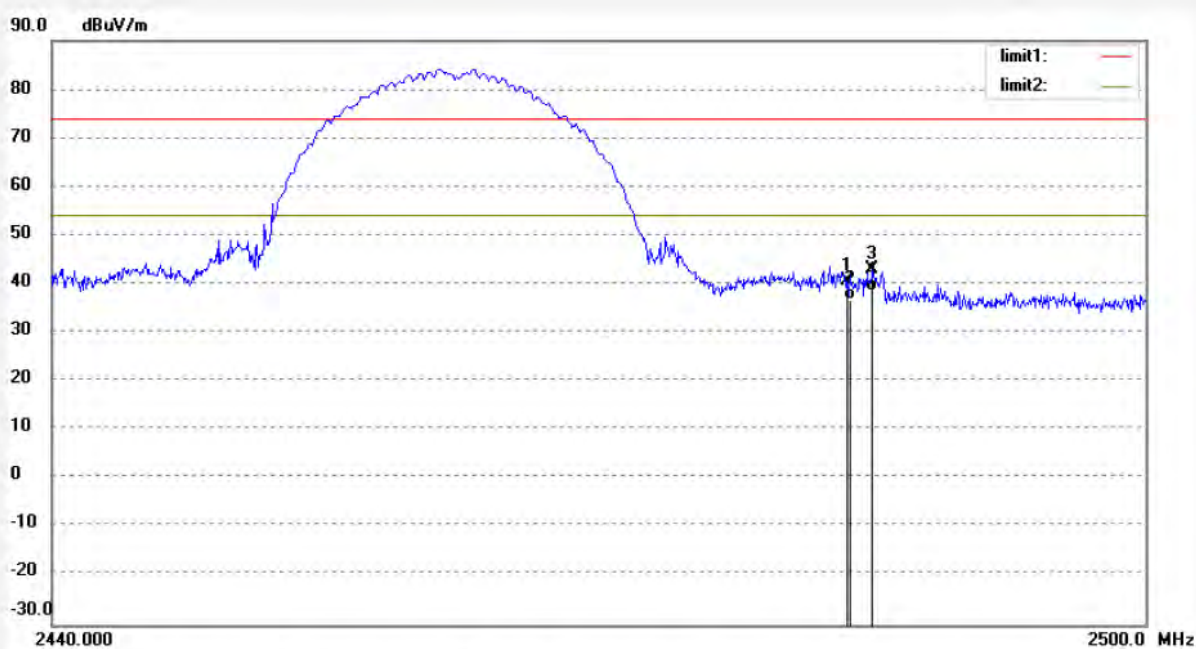
 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

 Job No.: ALEN #741
 Standard: FCC 15C
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 49 %
 EUT: MID
 Mode: TX Channel 11(802.11b)
 Model: PC741
 Manufacturer: Natural Sound

 Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 13/04/30/
 Time: 9/14/03
 Engineer Signature:
 Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	48.08	-7.37	40.71	74.00	-33.29	peak			
2	2483.500	44.25	-7.37	36.88	54.00	-17.12	AVG			
3	2484.893	50.42	-7.38	43.04	74.00	-30.96	peak			
4	2484.893	46.04	-7.38	38.66	54.00	-15.34	AVG			



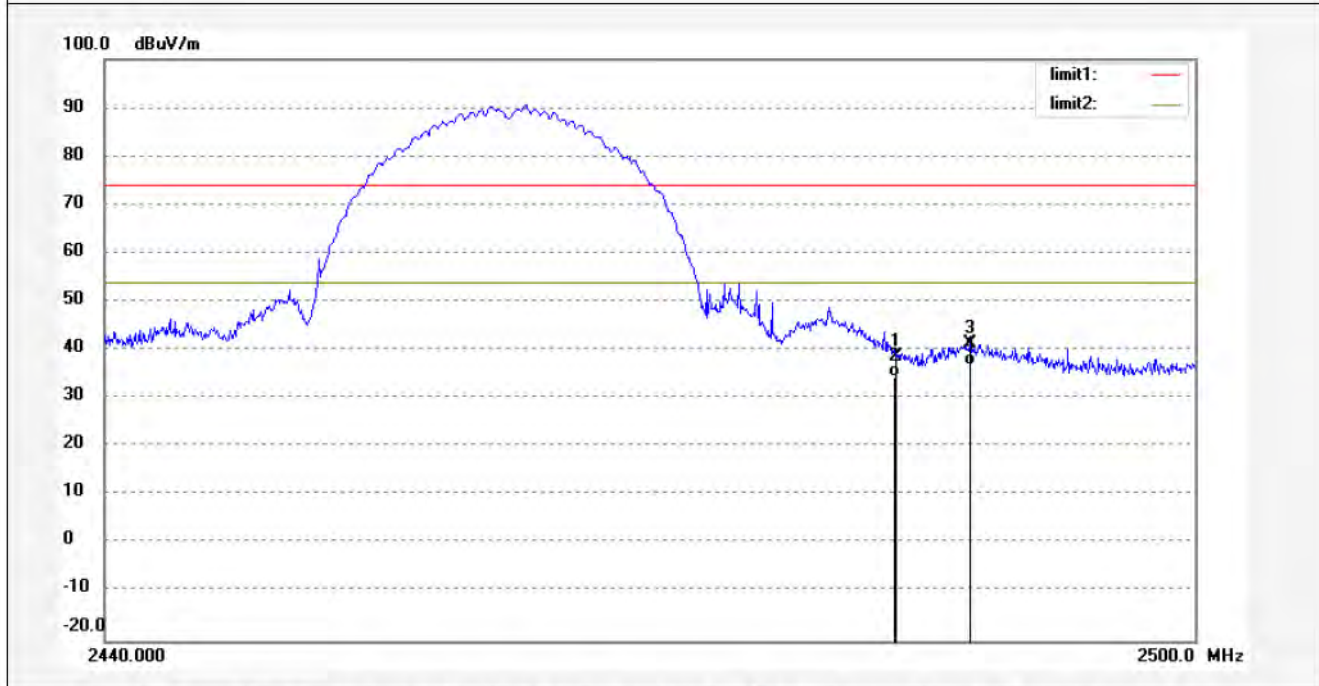
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Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: ALEN #742	Polarization: Vertical
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/30/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/15/14
EUT: MID	Engineer Signature:
Mode: TX Channel 11(802.11b)	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



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	45.93	-7.37	38.56	74.00	-35.44	peak			
2	2483.500	41.78	-7.37	34.41	54.00	-19.59	AVG			
3	2487.556	48.69	-7.38	41.31	74.00	-32.69	peak			
4	2487.556	44.35	-7.38	36.97	54.00	-17.03	AVG			



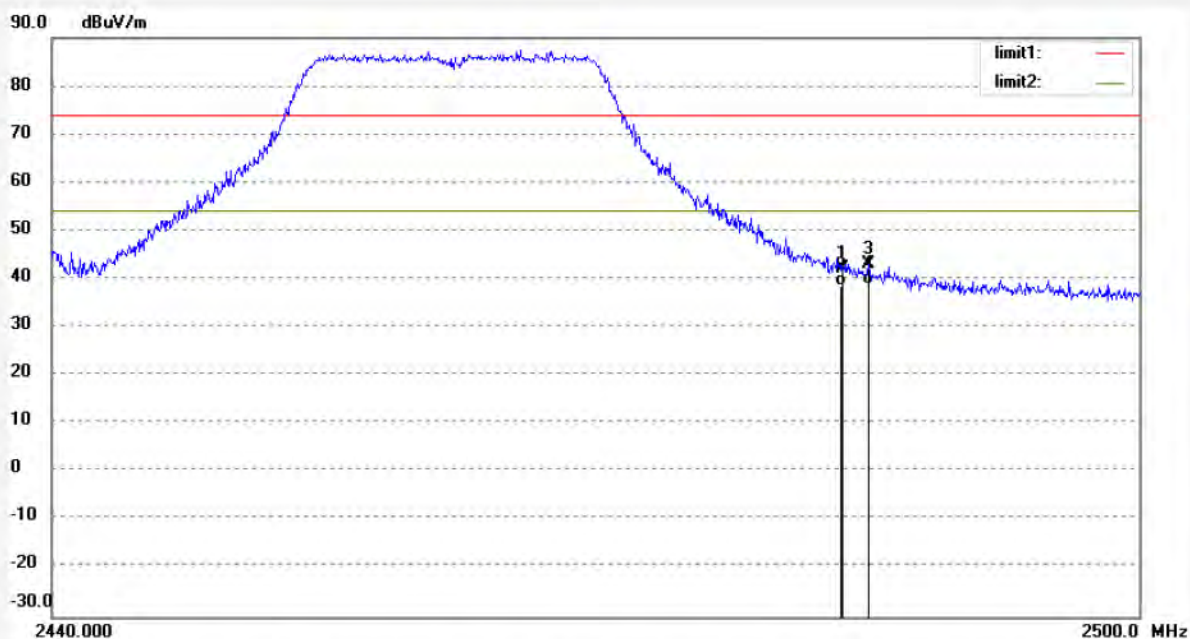
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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: ALEN #743	Polarization: Vertical
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/30/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/17/52
EUT: MID	Engineer Signature:
Mode: TX Channel 11(802.11g)	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



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	49.42	-7.37	42.05	74.00	-31.95	peak			
2	2483.500	45.88	-7.37	38.51	54.00	-15.49	AVG			
3	2484.954	50.39	-7.38	43.01	74.00	-30.99	peak			
4	2484.954	46.35	-7.38	38.97	54.00	-15.03	AVG			



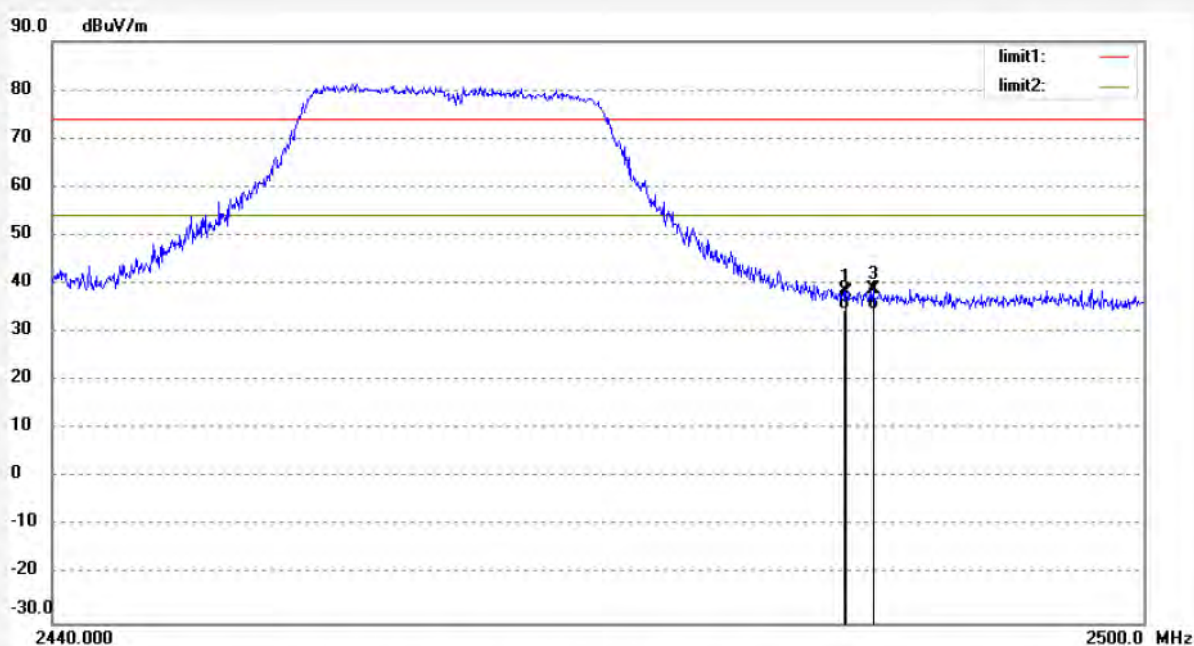
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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: ALEN #744	Polarization: Horizontal
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/30/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/19/19
EUT: MID	Engineer Signature:
Mode: TX Channel 11(802.11g)	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



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	45.76	-7.37	38.39	74.00	-35.61	peak			
2	2483.500	42.11	-7.37	34.74	54.00	-19.26	AVG			
3	2485.014	46.22	-7.38	38.84	74.00	-35.16	peak			
4	2485.014	42.01	-7.38	34.63	54.00	-19.37	AVG			



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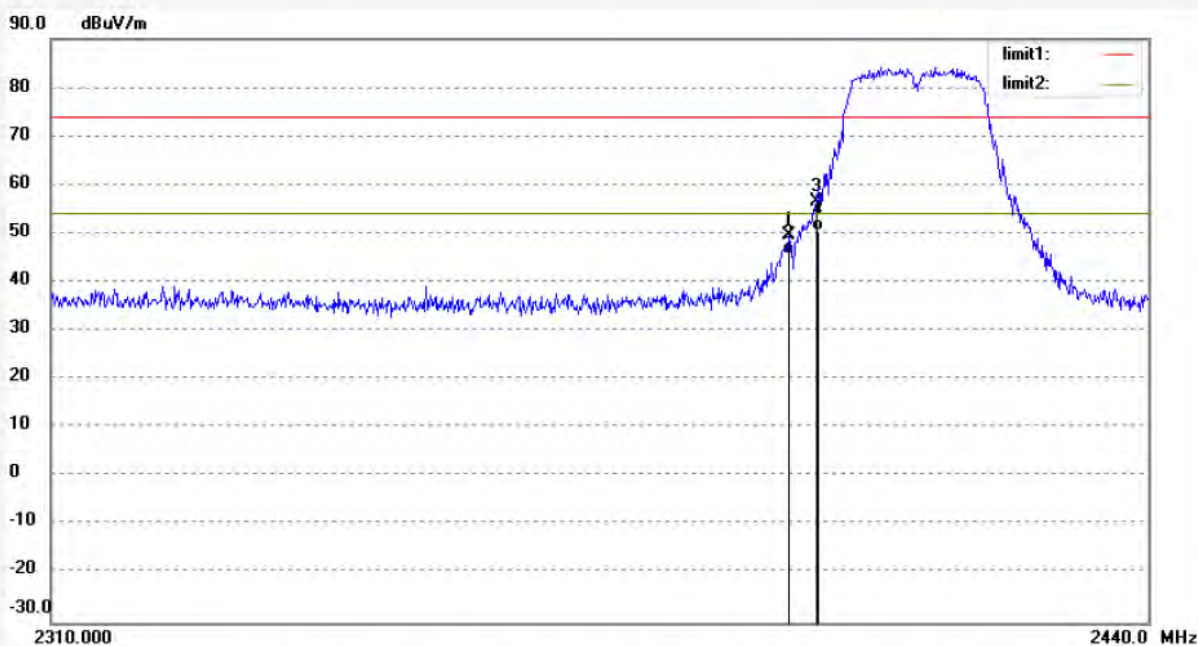
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: ALEN #745
Standard: FCC 15C
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 49 %
EUT: MID
Mode: TX Channel 1(802.11g)
Model: PC741
Manufacturer: Natural Sound

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 13/04/30/
Time: 9/21/28
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2396.618	57.08	-7.48	49.60	74.00	-24.40	peak			
2	2396.618	53.14	-7.48	45.66	54.00	-8.34	AVG			
3	2400.000	63.99	-7.46	56.53	74.00	-17.47	peak			
4	2400.000	57.87	-7.46	50.41	54.00	-3.59	AVG			



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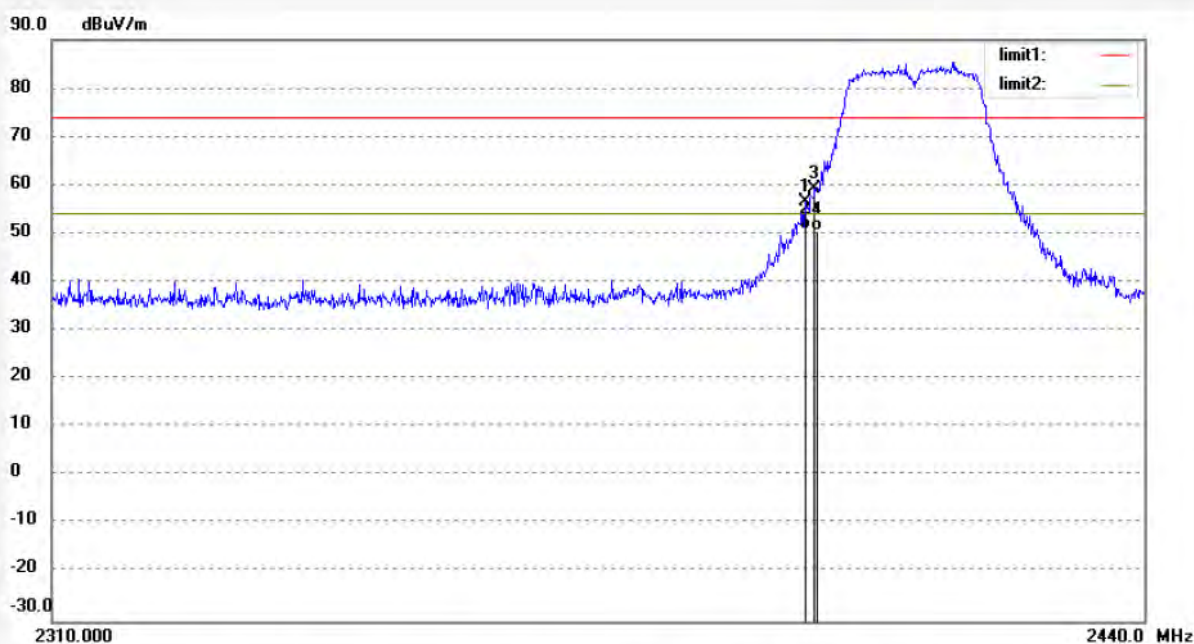
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: ALEN #746
Standard: FCC 15C
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 49 %
EUT: MID
Mode: TX Channel 1(802.11g)
Model: PC741
Manufacturer: Natural Sound

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/04/30/
Time: 9/23/02
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2398.855	63.91	-7.46	56.45	74.00	-17.55	peak			
2	2398.855	58.36	-7.46	50.90	54.00	-3.10	AVG			
3	2400.000	66.85	-7.46	59.39	74.00	-14.61	peak			
4	2400.000	58.12	-7.46	50.66	54.00	-3.34	AVG			



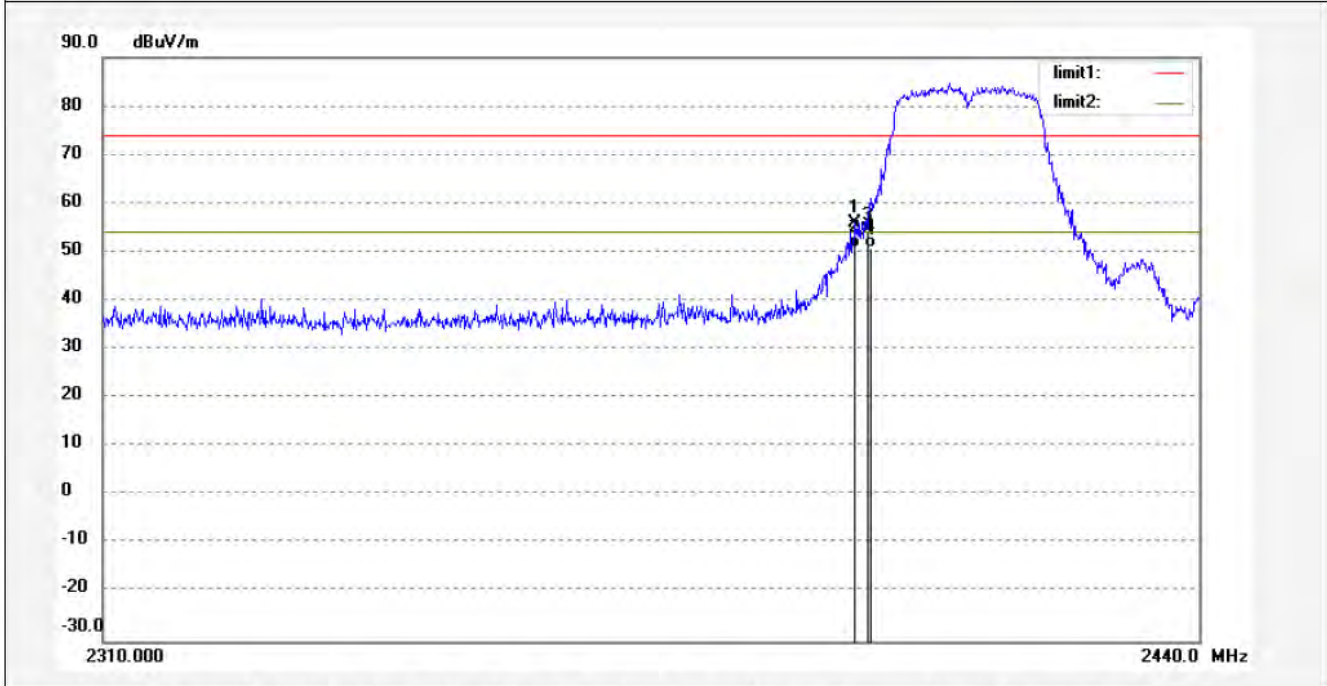
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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: ALEN #747	Polarization: Vertical
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/30/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/26/49
EUT: MID	Engineer Signature:
Mode: TX Channel 1(802.11n)20MHz	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2398.460	63.31	-7.47	55.84	74.00	-18.16	peak			
2	2398.460	58.36	-7.47	50.89	54.00	-3.11	AVG			
3	2400.000	62.01	-7.46	54.55	74.00	-19.45	peak			
4	2400.000	58.34	-7.46	50.88	54.00	-3.12	AVG			



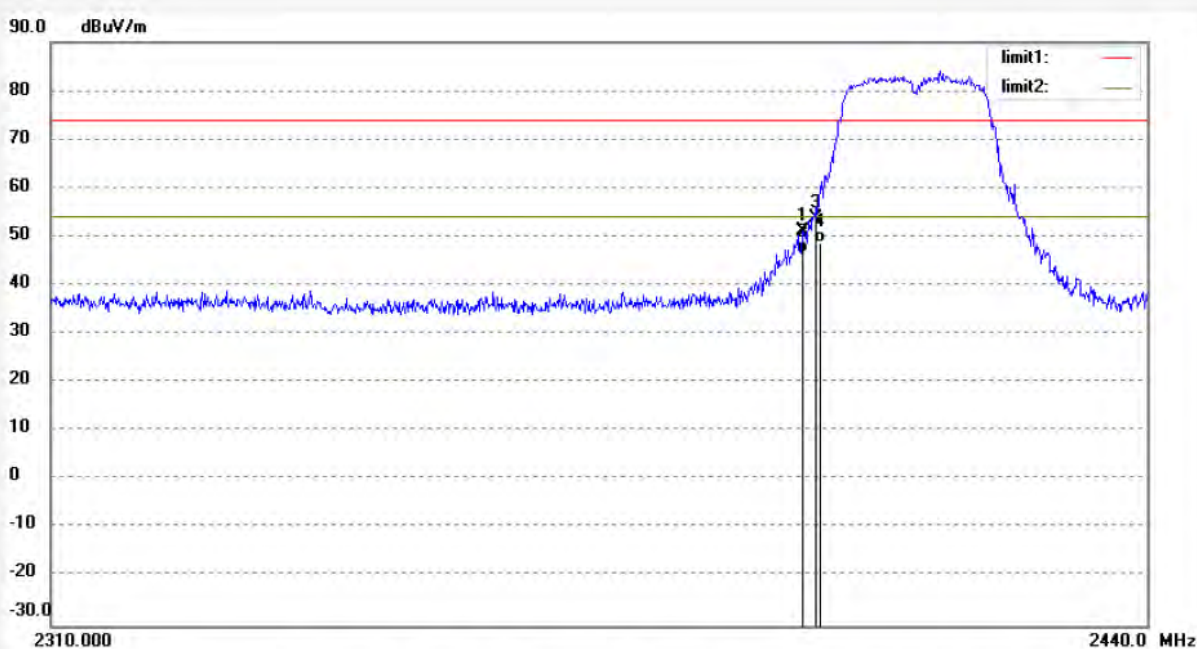
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Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: ALEN #748	Polarization: Horizontal
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/30/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/27/59
EUT: MID	Engineer Signature:
Mode: TX Channel 1(802.11n)20MHz	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2398.328	58.62	-7.47	51.15	74.00	-22.85	peak			
2	2398.328	54.01	-7.47	46.54	54.00	-7.46	AVG			
3	2400.000	61.18	-7.46	53.72	74.00	-20.28	peak			
4	2400.000	56.32	-7.46	48.86	54.00	-5.14	AVG			



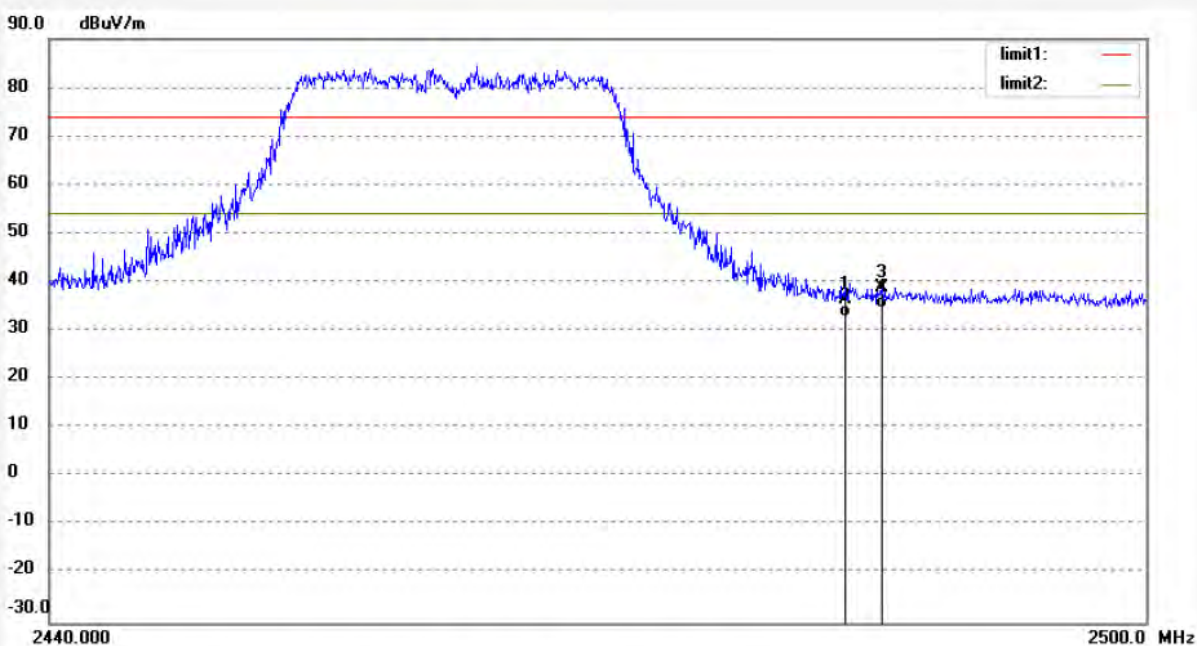
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Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: ALEN #749	Polarization: Horizontal
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/30/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/30/12
EUT: MID	Engineer Signature:
Mode: TX Channel 11(802.11n)20MHz	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



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	43.91	-7.37	36.54	74.00	-37.46	peak			
2	2483.500	40.21	-7.37	32.84	54.00	-21.16	AVG			
3	2485.438	46.21	-7.38	38.83	74.00	-35.17	peak			
4	2485.438	42.01	-7.38	34.63	54.00	-19.37	AVG			



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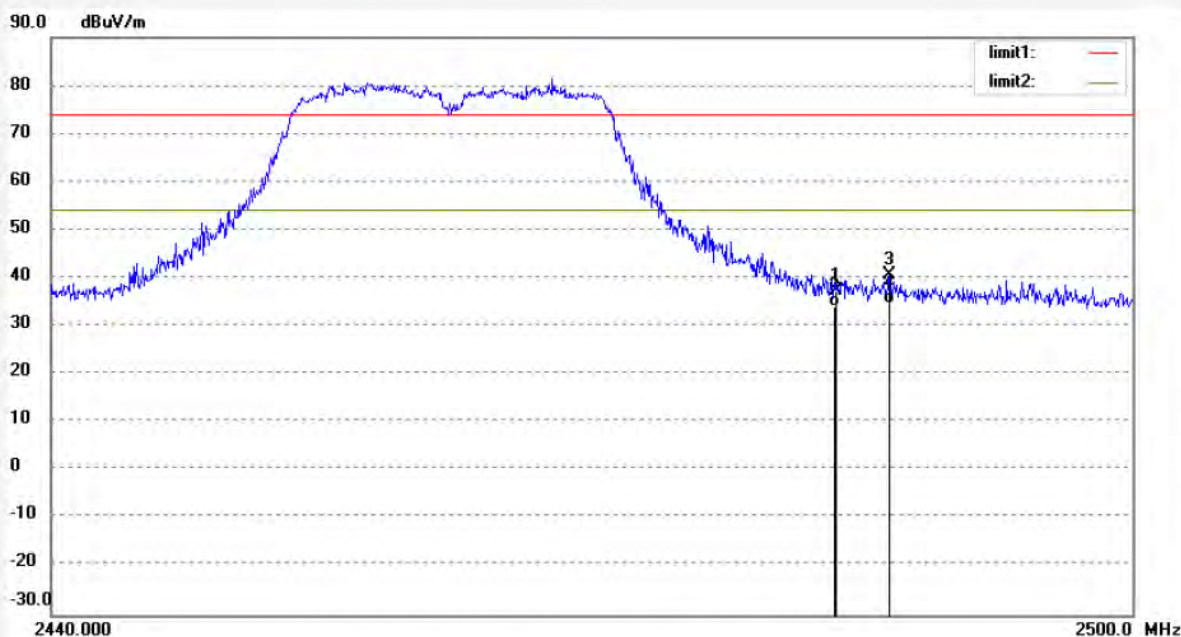
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: ALEN #750
Standard: FCC 15C
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 49 %
EUT: MID
Mode: TX Channel 11(802.11n)20MHz
Model: PC741
Manufacturer: Natural Sound

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/04/30/
Time: 9/34/16
Engineer Signature:
Distance: 3m

Note:



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	41.56	-7.37	34.19	54.00	-19.81	AVG			
3	2486.406	47.93	-7.39	40.54	74.00	-33.46	peak			
4	2486.406	42.01	-7.39	34.62	54.00	-19.38	AVG			



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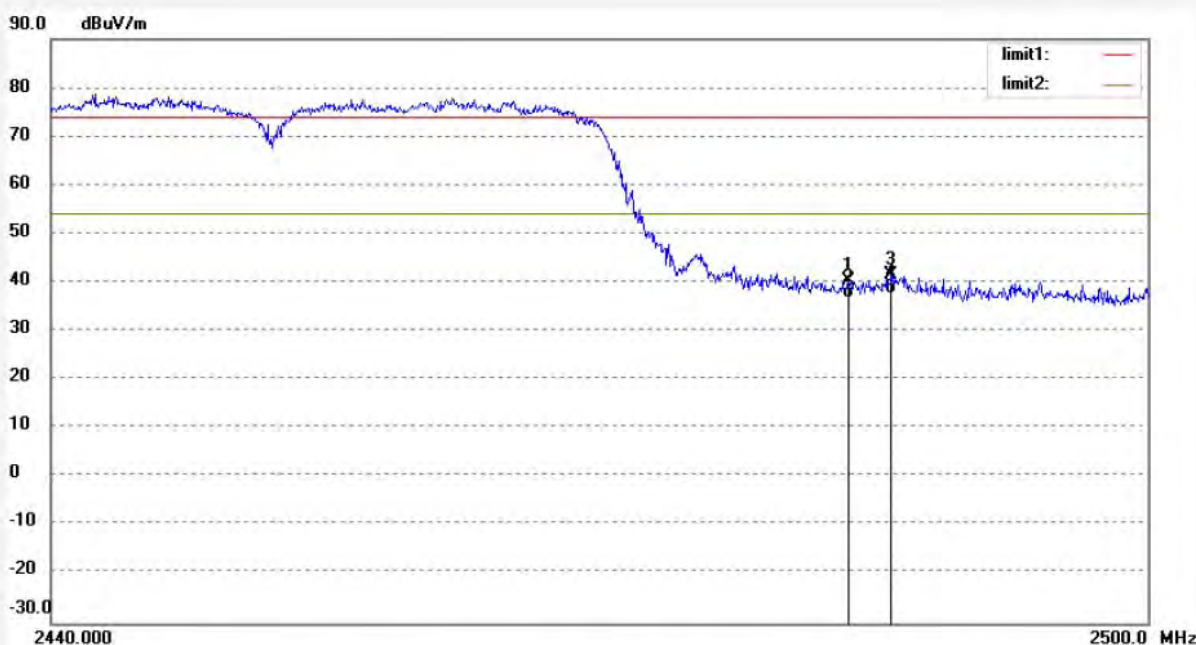
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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: ALEN #751
Standard: FCC 15C
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 49 %
EUT: MID
Mode: TX Channel 9(802.11n)40MHz
Model: PC741
Manufacturer: Natural Sound

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/04/30/
Time: 9/37/16
Engineer Signature:
Distance: 3m

Note:



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	47.65	-7.37	40.28	74.00	-33.72	peak			
2	2483.500	44.23	-7.37	36.86	54.00	-17.14	AVG			
3	2485.861	48.90	-7.38	41.52	74.00	-32.48	peak			
4	2485.861	45.12	-7.38	37.74	54.00	-16.26	AVG			



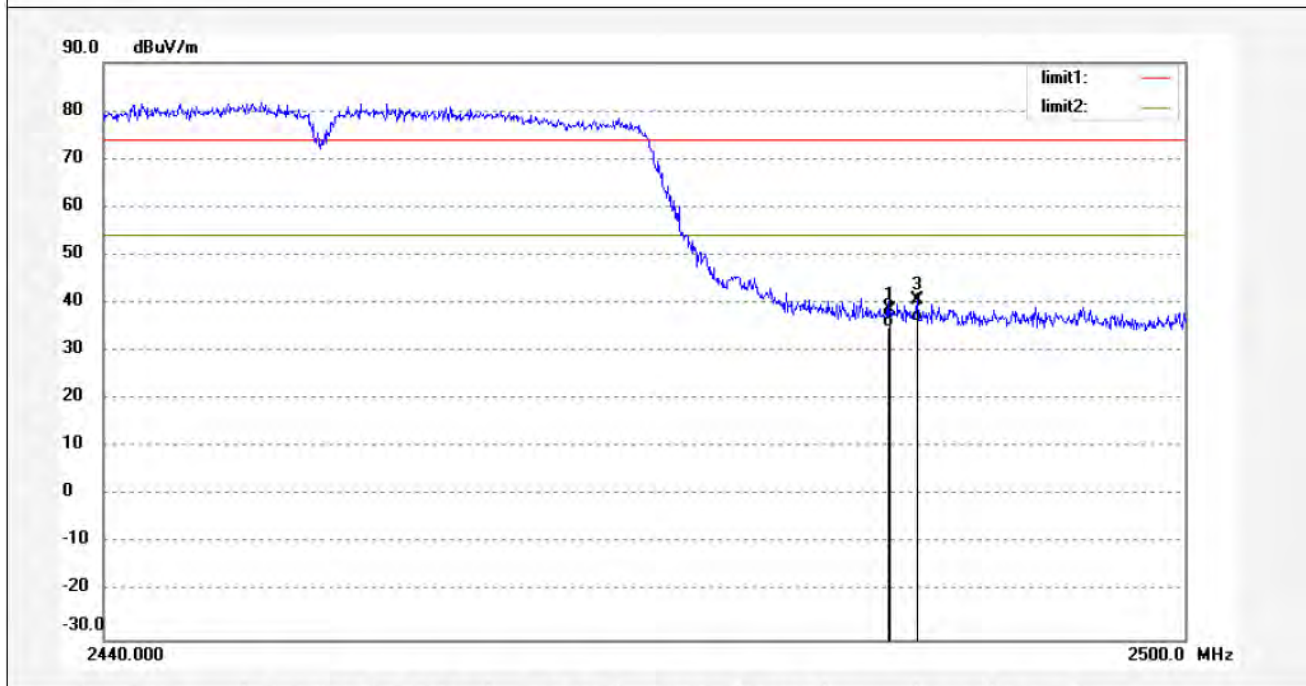
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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: ALEN #752	Polarization: Horizontal
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/30/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/38/49
EUT: MID	Engineer Signature:
Mode: TX Channel 9(802.11n)40MHz	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



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	45.97	-7.37	38.60	74.00	-35.40	peak			
2	2483.500	42.24	-7.37	34.87	54.00	-19.13	AVG			
3	2485.014	47.95	-7.38	40.57	74.00	-33.43	peak			
4	2485.014	43.60	-7.38	36.22	54.00	-17.78	AVG			



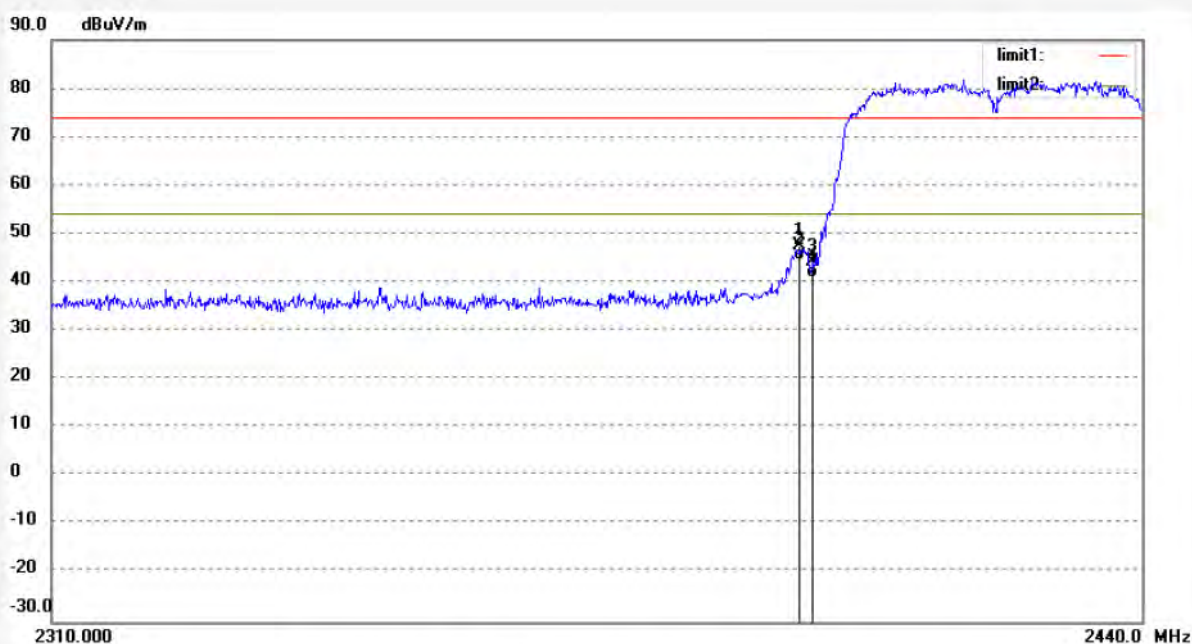
ACCURATE TECHNOLOGY CO., LTD.

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

Job No.: ALEN #753	Polarization: Horizontal
Standard: FCC 15C	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/30/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/40/53
EUT: MID	Engineer Signature:
Mode: TX Channel 3(802.11n)40MHz	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2398.328	55.10	-7.47	47.63	74.00	-26.37	peak			
2	2398.328	52.05	-7.47	44.58	54.00	-9.42	AVG			
3	2400.000	51.69	-7.46	44.23	74.00	-29.77	peak			
4	2400.000	48.47	-7.46	41.01	54.00	-12.99	AVG			


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ALEN #754

Standard: FCC 15C

Test item: Radiation Test

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

EUT: MID

Mode: TX Channel 3(802.11n)40MHz

Model: PC741

Manufacturer: Natural Sound

Polarization: Vertical

Power Source: AC 120V/60Hz

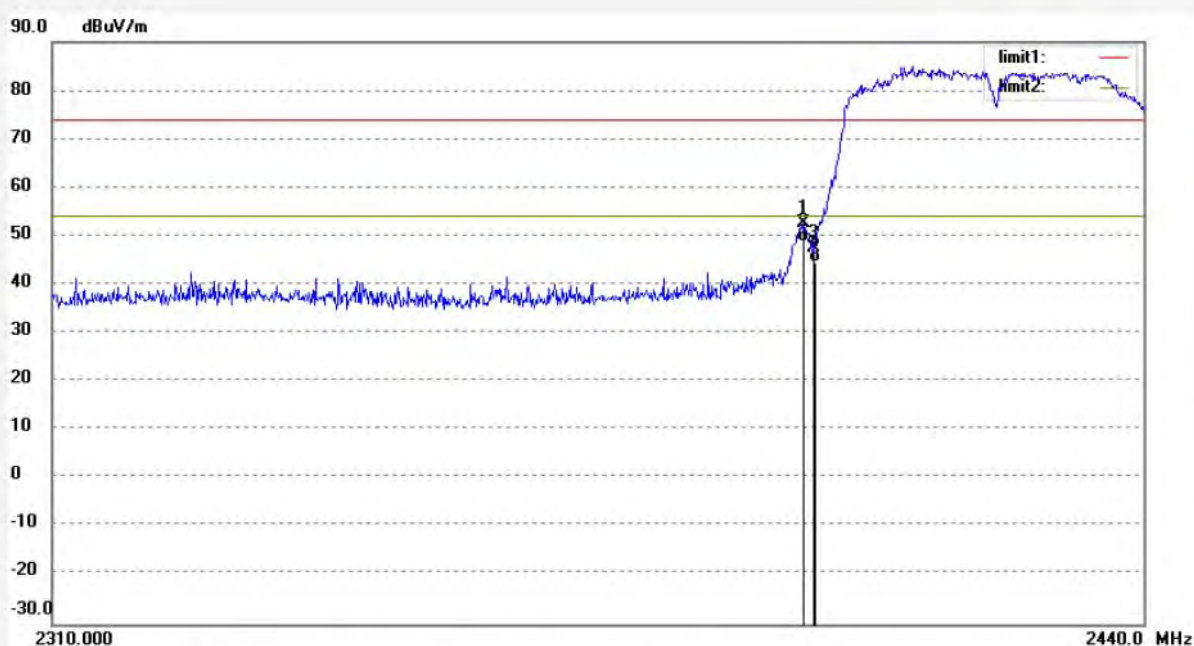
Date: 13/04/30/

Time: 9/43/03

Engineer Signature:

Distance: 3m

Note:

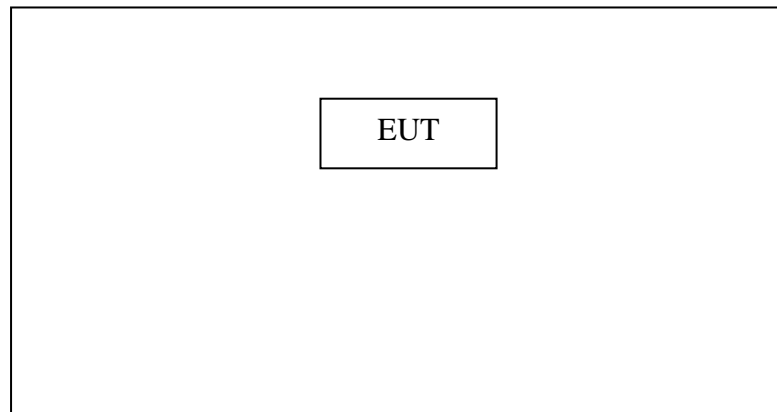


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2398.723	59.98	-7.47	52.51	74.00	-21.49	peak			
2	2398.723	56.21	-7.47	48.74	54.00	-5.26	AVG			
3	2400.000	55.06	-7.46	47.60	74.00	-26.40	peak			
4	2400.000	52.04	-7.46	44.58	54.00	-9.42	AVG			

9. RADIATED SPURIOUS EMISSION TEST

9.1. Block Diagram of Test Setup

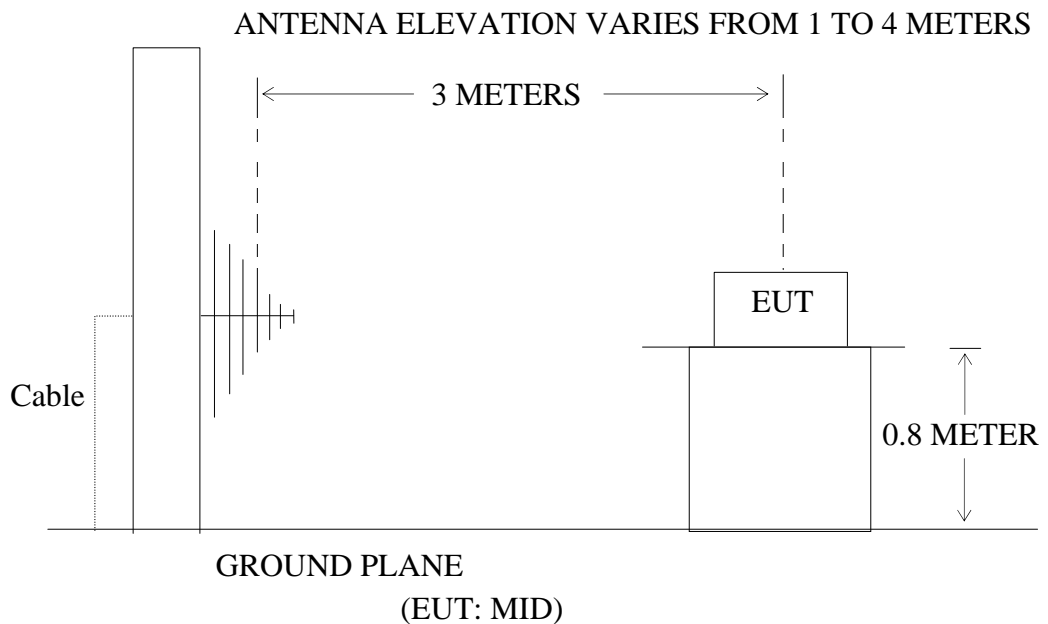
9.1.1. Block diagram of connection between the EUT and peripherals



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
¹ 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	(²)
13.36-13.41			

¹Until February 1, 1999, this restricted band shall be 0.490-0.510

²Above 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 : PC741
 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: 2003 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 300Mbps for 802.11n mode, based on previous with 802.11 WLAN product design architectures.

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

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

The final measurement in band 9-90 kHz, 110-490 kHz 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:	<u>April 23, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
Test Mode:	<u>802.11b Channel Low 2412MHz</u>	Test Engineer:	<u>Allen</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	
36.1405	41.05	-11.68	29.37	40.00	-10.63	Vertical
79.3970	43.28	-14.67	28.61	40.00	-11.39	Vertical
142.2684	49.68	-15.24	34.44	43.50	-9.06	Vertical
144.7898	40.35	-15.23	25.12	43.50	-18.38	Horizontal
313.6482	32.58	-8.92	23.66	46.00	-22.34	Horizontal
334.1254	35.87	-8.28	27.59	46.00	-18.41	Horizontal

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	
4824.000	46.78	49.26	-0.31	46.47	48.95	54	74	-7.53	-25.05	Vertical
4824.000	48.49	48.49	-0.31	48.18	48.18	54	74	-5.82	-25.82	Horizontal

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

2. *: Denotes restricted band of operation.

Date of Test:	<u>April 23, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
Test Mode:	<u>802.11b Channel Middle 2437MHz</u>	Test Engineer:	<u>Allen</u>

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)		Factor(dB) Corr.	Result (dBμV/m)		Limit (dBμV/m)	Margin (dB)		Polarization
	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		
36.1405	38.69		-11.68	27.01		40.00	-12.99		Vertical
80.2382	42.54		-14.46	28.08		40.00	-11.92		Vertical
140.2829	47.12		-15.24	21.88		43.50	-11.62		Vertical
155.3305	40.10		-15.06	25.04		43.50	-18.46		Horizontal
332.9534	36.35		-8.29	28.06		46.00	-17.94		Horizontal
401.1050	31.98		-6.80	25.18		46.00	-20.82		Horizontal

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	
4874.000	46.25	48.94	-0.08	46.17	48.86	54	74	-7.83	-25.14	Vertical
4874.000	46.23	49.06	-0.08	46.15	48.98	54	74	-7.85	-25.02	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test:	<u>April 23, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
Test Mode:	<u>802.11b Channel High 2462MHz</u>	Test Engineer:	<u>Allen</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	
36.1405	42.35	-11.68	30.67	40.00	-9.33	Vertical
80.2382	42.69	-14.46	28.23	40.00	-11.77	Vertical
137.3565	48.21	-14.63	33.58	43.50	-9.92	Vertical
156.9765	39.69	-14.88	24.81	43.50	-18.69	Horizontal
332.9536	35.32	-8.29	27.03	46.00	-18.97	Horizontal
478.1394	35.01	-5.37	29.64	46.00	-16.36	Horizontal

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	
4924.000	44.65	47.54	0.30	44.95	47.84	54	74	-9.05	-26.16	Vertical
4924.000	45.01	48.76	0.30	45.31	49.06	54	74	-8.69	-24.94	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test:	<u>April 23, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
Test Mode:	<u>802.11g Channel Low 2412MHz</u>	Test Engineer:	<u>Allen</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	
37.0405	36.68	-11.87	26.81	40.00	-13.19	Vertical
79.9569	44.36	-14.52	29.84	40.00	-10.16	Vertical
146.3240	48.68	-15.21	33.47	43.50	-10.03	Vertical
156.4259	41.32	-14.95	26.37	43.50	-17.13	Horizontal
285.2611	35.76	-9.66	26.10	46.00	-19.90	Horizontal
334.1254	34.36	-8.28	26.08	46.00	-19.92	Horizontal

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	
4824.000	45.36	48.07	-0.31	45.05	47.76	54	74	-8.95	-26.24	Vertical
4824.000	45.02	47.80	-0.31	44.71	47.49	54	74	-9.29	-26.51	Horizontal

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

2. *: Denotes restricted band of operation.

Date of Test: April 23, 2013Temperature: 25°CEUT: MIDHumidity: 50%Model No.: PC741Power Supply: DC 5VTest Mode: 802.11g Channel Middle 2437MHzTest Engineer: Allen**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	
37.3016	37.21	-11.94	25.27	40.00	-14.73	Vertical
79.6569	44.35	-14.52	29.83	40.00	-10.17	Vertical
142.7692	49.36	-15.23	34.13	43.50	-9.37	Vertical
156.9764	41.35	-14.88	26.47	43.50	-17.03	Horizontal
284.2606	32.89	-9.70	23.19	46.00	-22.81	Horizontal
401.1050	31.42	-6.80	24.62	46.00	-21.38	Horizontal

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	
4874.000	45.67	48.33	-0.08	45.59	48.25	54	74	-8.41	-25.75	Vertical
4874.000	48.94	48.94	-0.08	48.86	48.86	54	74	-5.14	-25.14	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test:	<u>April 23, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
Test Mode:	<u>802.11g Channel High 2462MHz</u>	Test Engineer:	<u>Allen</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	
36.2678	37.14	-11.71	25.43	40.00	-14.57	Vertical
81.0885	43.75	-14.27	29.48	40.00	-10.52	Vertical
146.3240	48.65	-15.21	33.44	43.50	-10.06	Vertical
156.9764	42.68	-14.88	27.80	43.50	-15.70	Horizontal
332.9534	33.67	-8.29	25.38	46.00	-20.62	Horizontal
478.1394	31.88	-5.38	26.50	46.00	-19.50	Horizontal

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	
4924.000	44.56	47.21	0.30	44.86	47.51	54	74	-9.14	-26.49	Vertical
4924.000	45.12	47.74	0.30	45.42	48.04	54	74	-8.58	-25.96	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test:	<u>April 23, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
Test Mode:	<u>802.11n Channel Low 2412MHz</u> <u>(20MHz)</u>	Test Engineer:	<u>Allen</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	
36.1405	40.21	-11.68	28.53	40.00	-11.47	Vertical
80.8041	44.01	-14.33	29.68	40.00	-10.32	Vertical
141.2720	48.69	-15.24	33.45	43.50	-10.05	Vertical
143.7760	41.45	-15.23	26.22	43.50	-17.28	Horizontal
334.1254	34.79	-8.28	26.51	46.00	-19.49	Horizontal
478.1394	33.89	-5.38	28.51	46.00	-17.49	Horizontal

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	
4824.000	44.89	47.53	-0.31	44.58	47.22	54	74	-9.42	-26.78	Vertical
4824.000	45.02	47.76	-0.31	44.71	47.45	54	74	-9.29	-26.55	Horizontal

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

2. *: Denotes restricted band of operation.

Date of Test:	<u>April 23, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
	<u>802.11n Channel Middle 2437MHz</u>		
Test Mode:	<u>(20MHz)</u>	Test Engineer:	<u>Allen</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	
36.3955	38.36	-11.73	26.63	40.00	-13.37	Vertical
79.3970	43.40	-14.67	28.73	40.00	-11.27	Vertical
142.7692	47.98	-15.23	32.75	43.50	-10.75	Vertical
147.3558	40.68	-15.20	25.48	43.50	-18.02	Horizontal
332.9534	35.68	-8.29	27.39	46.00	-18.61	Horizontal
478.1394	33.58	-5.38	28.20	46.00	-17.80	Horizontal

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	
4874.000	45.87	48.66	-0.08	45.79	48.58	54	74	-8.21	-25.42	Vertical
4874.000	45.15	48.23	-0.08	45.07	48.15	54	74	-8.93	-25.85	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test:	<u>April 23, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
Test Mode:	<u>802.11n Channel High 2462MHz</u> <u>(20MHz)</u>	Test Engineer:	<u>Allen</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	
36.3954	40.04	-11.73	28.31	40.00	-11.69	Vertical
79.9569	44.53	-14.52	30.01	40.00	-9.99	Vertical
141.7693	48.32	-15.23	33.09	43.50	-10.41	Vertical
148.3951	40.87	-15.18	25.69	43.50	-17.81	Horizontal
321.5482	35.75	-8.94	26.81	46.00	-19.19	Horizontal
332.9534	35.12	-8.29	26.83	46.00	-19.17	Horizontal

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	
4924.000	44.68	47.23	0.30	44.98	47.53	54	74	-9.02	-26.47	Vertical
4924.000	44.36	46.91	0.30	44.66	47.21	54	74	-9.34	-26.79	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test:	<u>April 23, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
Test Mode:	<u>802.11n Channel Low 2422MHz</u> <u>(40MHz)</u>	Test Engineer:	<u>Allen</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	
36.2678	40.95	-11.71	29.24	40.00	-10.76	Vertical
80.2382	43.68	-14.46	29.22	40.00	-10.78	Vertical
141.7693	49.63	-15.23	34.40	43.50	-9.10	Vertical
145.8109	40.51	-15.22	25.29	43.50	-18.21	Horizontal
284.2606	35.47	-9.70	25.77	46.00	-20.23	Horizontal
332.9534	35.67	-8.29	27.38	46.00	-18.62	Horizontal

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	
4844.000	44.89	47.74	-0.31	44.58	47.43	54	74	-9.42	-26.57	Vertical
4844.000	45.21	48.31	-0.31	44.90	48.00	54	74	-9.10	-26.00	Horizontal

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

2. *: Denotes restricted band of operation.

Date of Test:	<u>April 23, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
	<u>802.11n Channel Middle 2437MHz</u>		
Test Mode:	<u>(40MHz)</u>	Test Engineer:	<u>Allen</u>

For Below 30MHz

Frequency (MHz)	Reading (dB μ V/m)	Factor(dB) Corr.	Result (dB μ V/m)	Limit (dB μ 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 μ V/m)	Factor Corr. (dB)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
36.2678	41.65	-11.71	29.94	40.00	-10.06	Vertical
79.6764	43.12	-14.60	28.52	40.00	-11.48	Vertical
140.2829	47.85	-15.24	32.61	43.50	-10.89	Vertical
146.3240	40.01	-15.21	24.80	43.50	-18.70	Horizontal
332.9534	34.78	-8.29	26.49	46.00	-19.51	Horizontal
402.5167	33.54	-6.78	26.76	46.00	-19.24	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dB μ V/m)		Factor Corr. (dB)	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB μ V/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
4874.000	48.49	48.49	-0.08	48.41	48.41	54	74	-5.59	-25.59	Vertical
4874.000	45.02	47.74	-0.08	44.94	47.66	54	74	-9.06	-26.34	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test:	<u>April 23, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC741</u>	Power Supply:	<u>DC 5V</u>
Test Mode:	<u>802.11n Channel High 2452MHz</u> <u>(40MHz)</u>	Test Engineer:	<u>Allen</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	
36.3954	40.90	-11.73	29.17	40.00	-10.83	Vertical
79.1184	42.86	-14.75	28.12	40.00	-11.88	Vertical
140.2829	47.85	-15.24	32.61	43.50	-10.89	Vertical
148.3951	40.42	-15.18	25.24	43.50	-18.26	Horizontal
334.1254	35.78	-8.28	27.50	46.00	-18.50	Horizontal
478.1394	32.90	-5.38	27.52	46.00	-18.48	Horizontal

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	
4904.000	44.68	47.08	0.30	44.95	47.38	54	74	-9.05	-26.62	Vertical
4904.00	45.12	47.96	0.30	45.42	48.26	54	74	-8.58	-25.74	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**



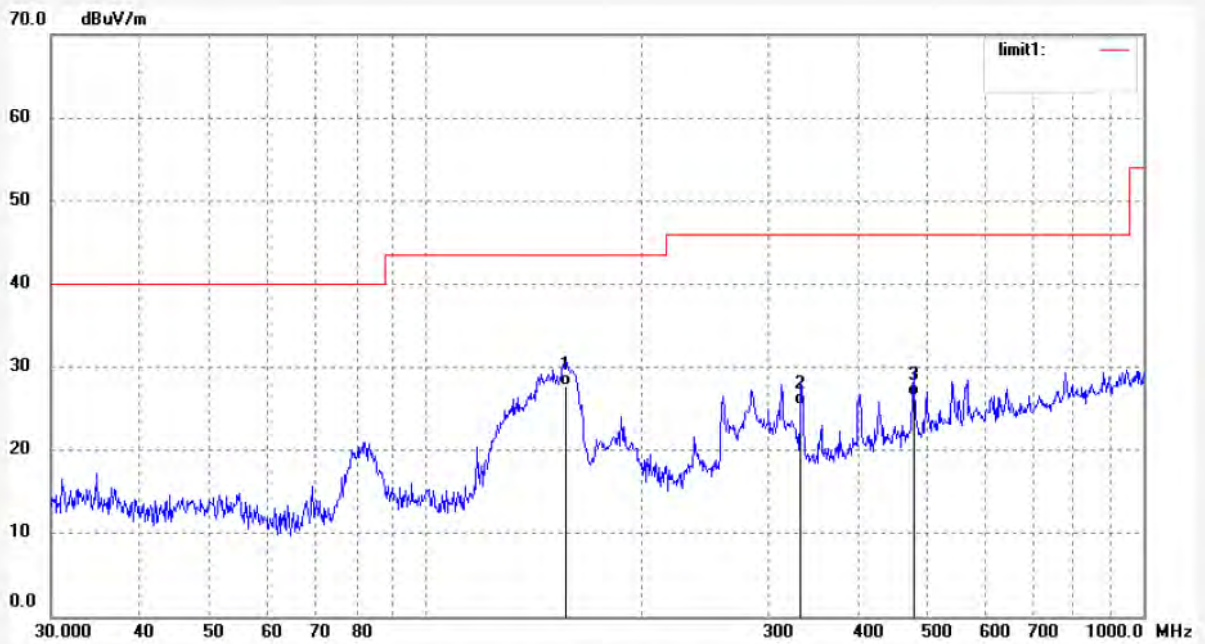
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Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: ALEN #1089	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/27/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 8/39/28
EUT: MID	Engineer Signature:
Mode: TX 2462MHz(802.11g)	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	156.9764	42.68	-14.88	27.80	43.50	-15.70	QP			
2	332.9534	33.67	-8.29	25.38	46.00	-20.62	QP			
3	478.1394	31.88	-5.38	26.50	46.00	-19.50	QP			



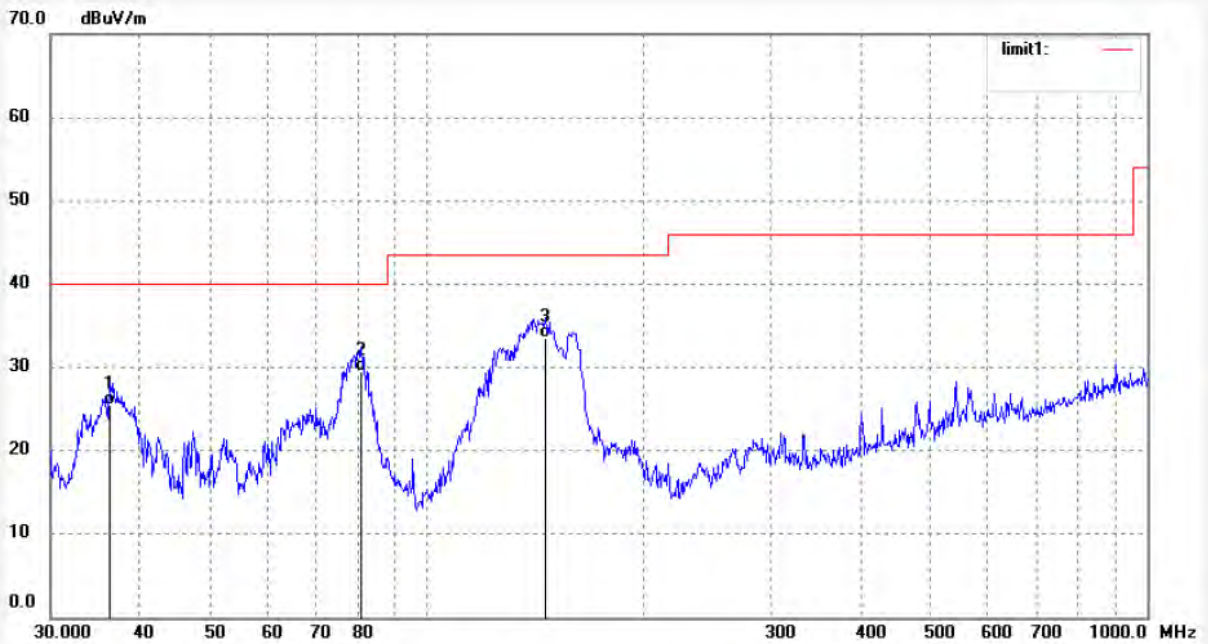
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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: ALEN #1090	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/27/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 8/40/13
EUT: MID	Engineer Signature:
Mode: TX 2462MHz(802.11g)	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	36.2678	37.14	-11.71	25.43	40.00	-14.57	QP			
2	81.0885	43.75	-14.27	29.48	40.00	-10.52	QP			
3	146.3240	48.65	-15.21	33.44	43.50	-10.06	QP			



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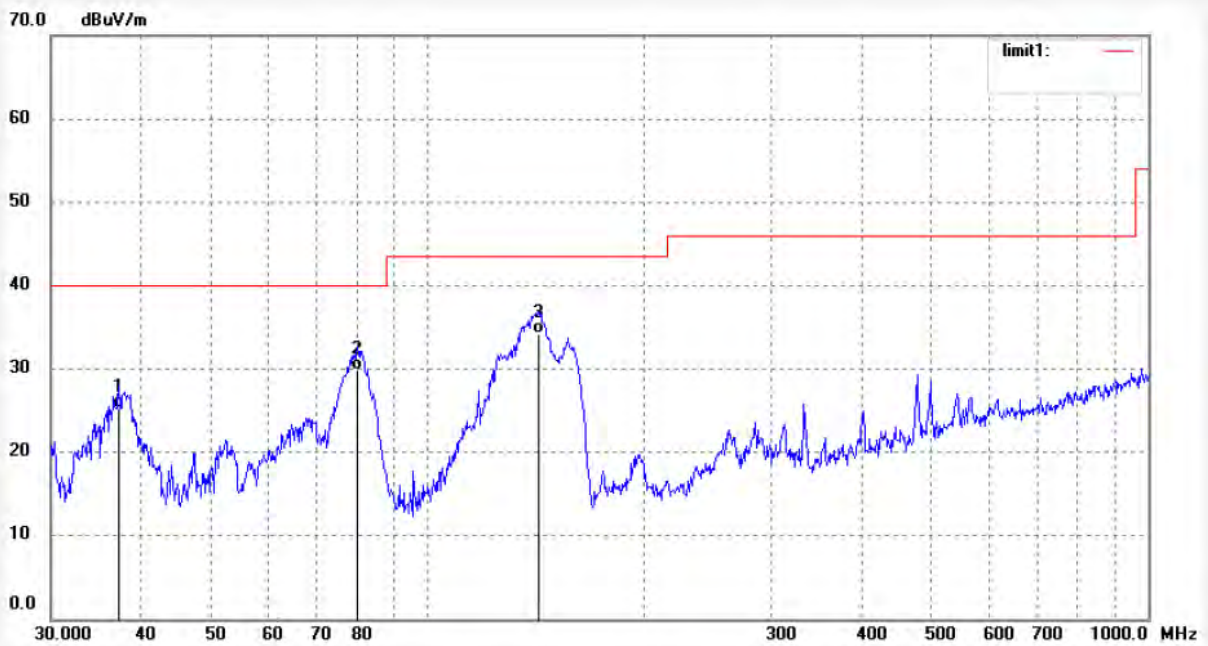
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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: ALEN #1091
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: MID
Mode: TX 2437MHz(802.11g)
Model: PC741
Manufacturer: Natural Sound

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/04/27/
Time: 8/40/55
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	37.3016	37.21	-11.94	25.27	40.00	-14.73	QP			
2	79.9569	44.35	-14.52	29.83	40.00	-10.17	QP			
3	142.7692	49.36	-15.23	34.13	43.50	-9.37	QP			



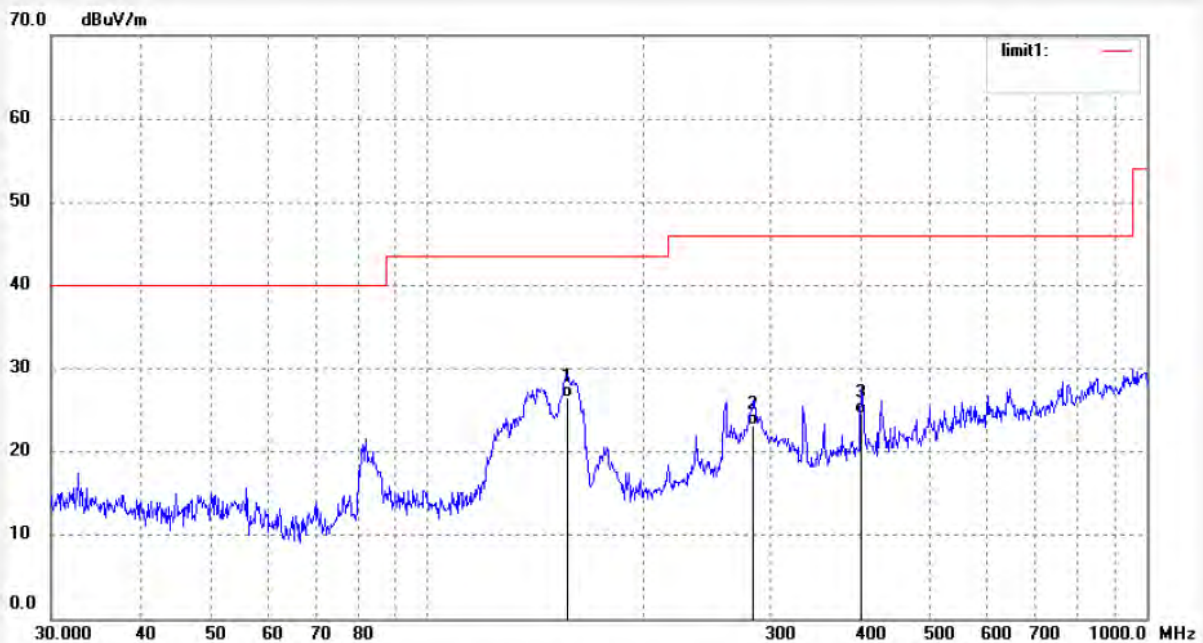
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Site: 2# Chamber
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Job No.: ALEN #1092	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/27/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 8/41/46
EUT: MID	Engineer Signature:
Mode: TX 2437MHz(802.11g)	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	156.9764	41.35	-14.88	26.47	43.50	-17.03	QP			
2	284.2606	32.89	-9.70	23.19	46.00	-22.81	QP			
3	401.1050	31.42	-6.80	24.62	46.00	-21.38	QP			



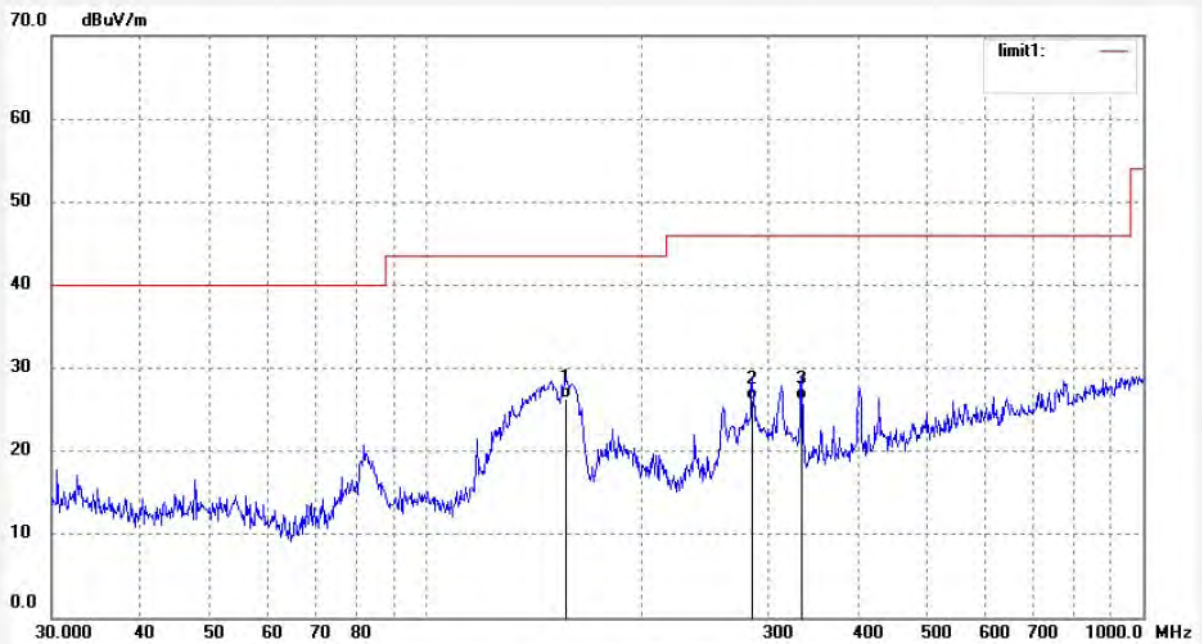
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Site: 2# Chamber
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Job No.: ALEN #1093	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/27/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 8/42/28
EUT: MID	Engineer Signature:
Mode: TX 2412MHz(802.11g)	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	156.4259	41.32	-14.95	26.37	43.50	-17.13	QP			
2	285.2611	35.76	-9.66	26.10	46.00	-19.90	QP			
3	334.1254	34.36	-8.28	26.08	46.00	-19.92	QP			



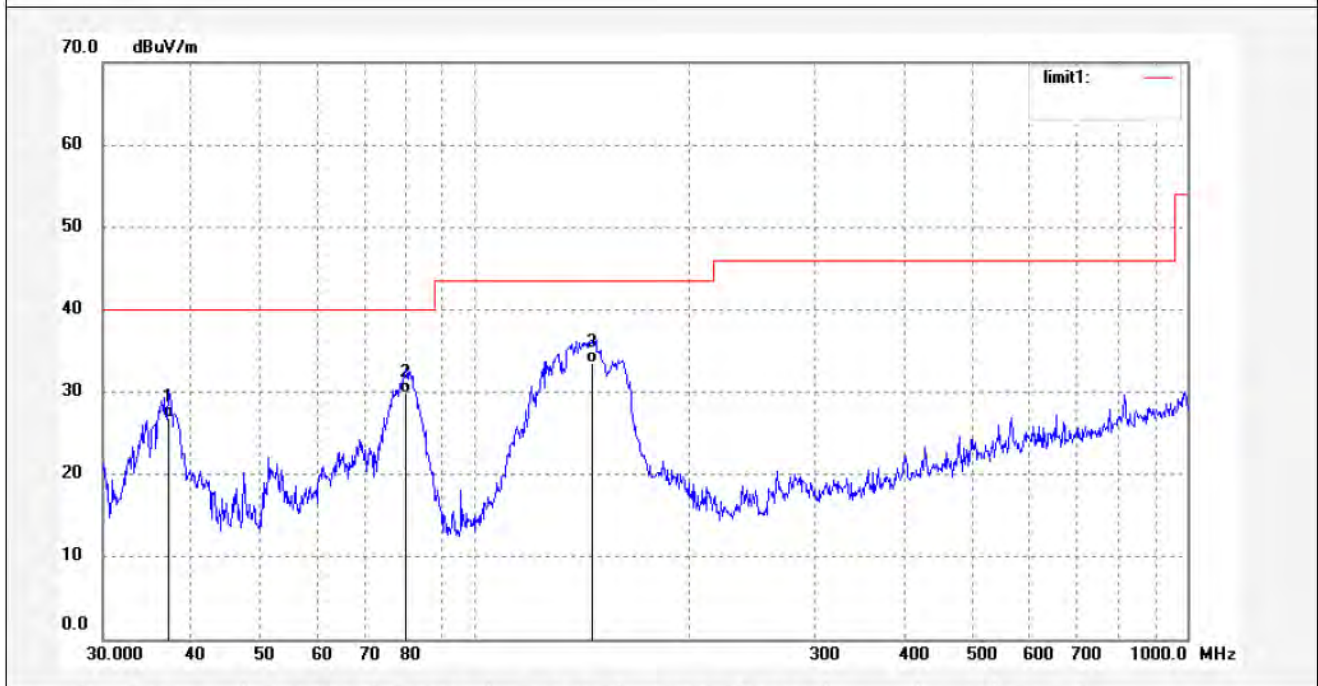
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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: ALEN #1094	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/27/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 8/43/05
EUT: MID	Engineer Signature:
Mode: TX 2412MHz(802.11g)	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	37.0405	38.68	-11.87	26.81	40.00	-13.19	QP			
2	79.9569	44.36	-14.52	29.84	40.00	-10.16	QP			
3	146.3240	48.68	-15.21	33.47	43.50	-10.03	QP			



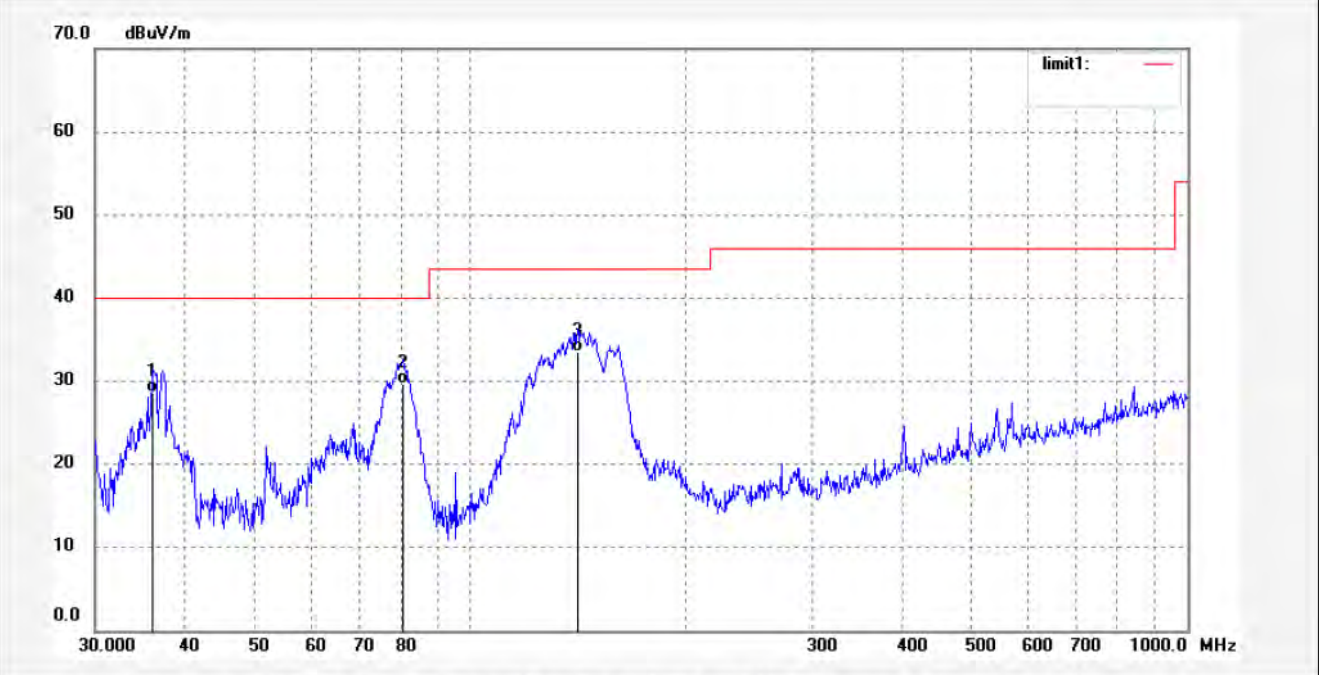
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Site: 2# Chamber
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Job No.: ALEN #1095	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/27/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 8/43/21
EUT: MID	Engineer Signature:
Mode: TX 2412MHz(802.11n20)	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	36.1405	40.21	-11.68	28.53	40.00	-11.47	QP			
2	80.8041	44.01	-14.33	29.68	40.00	-10.32	QP			
3	141.2720	48.69	-15.24	33.45	43.50	-10.05	QP			



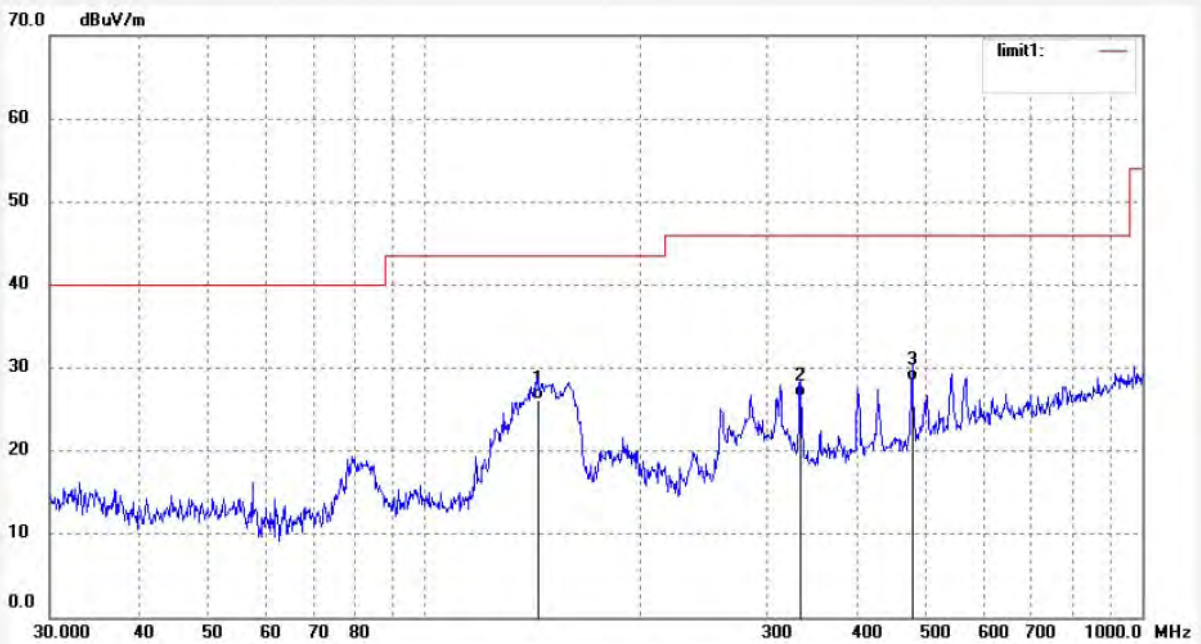
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Site: 2# Chamber
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Job No.: ALEN #1096	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/27/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 8/44/09
EUT: MID	Engineer Signature:
Mode: TX 2412MHz(802.11n20)	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	143.7760	41.45	-15.23	26.22	43.50	-17.28	QP			
2	334.1254	34.79	-8.28	26.51	46.00	-19.49	QP			
3	478.1394	33.89	-5.38	28.51	46.00	-17.49	QP			



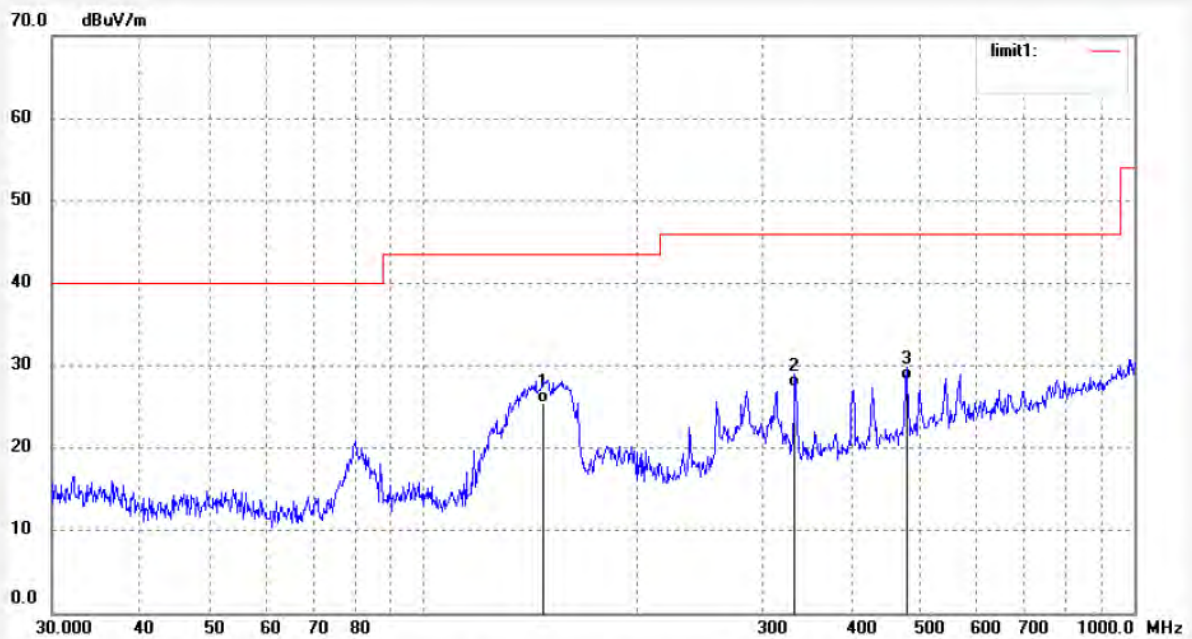
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Job No.: ALEN #1097	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/27/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 8/45/00
EUT: MID	Engineer Signature:
Mode: TX 2437MHz(802.11n20)	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	147.3558	40.68	-15.20	25.48	43.50	-18.02	QP			
2	332.9534	35.68	-8.29	27.39	46.00	-18.61	QP			
3	478.1394	33.58	-5.38	28.20	46.00	-17.80	QP			



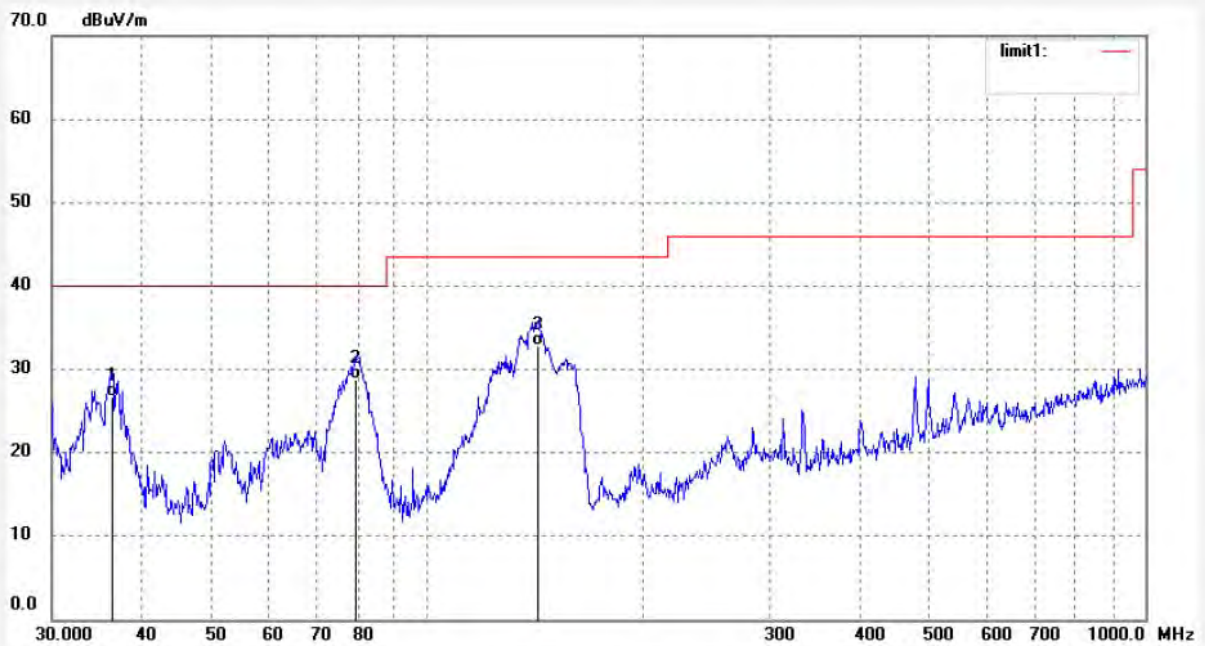
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Site: 2# Chamber
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Job No.: ALEN #1098	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/27/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 8/45/37
EUT: MID	Engineer Signature:
Mode: TX 2437MHz(802.11n20)	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	36.3955	38.36	-11.73	26.63	40.00	-13.37	QP			
2	79.3970	43.40	-14.67	28.73	40.00	-11.27	QP			
3	142.7692	47.98	-15.23	32.75	43.50	-10.75	QP			


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Job No.: ALEN #1099

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: MID

Mode: TX 2462MHz(802.11n20)

Model: PC741

Manufacturer: Natural Sound

Polarization: Vertical

Power Source: AC 120V/60Hz

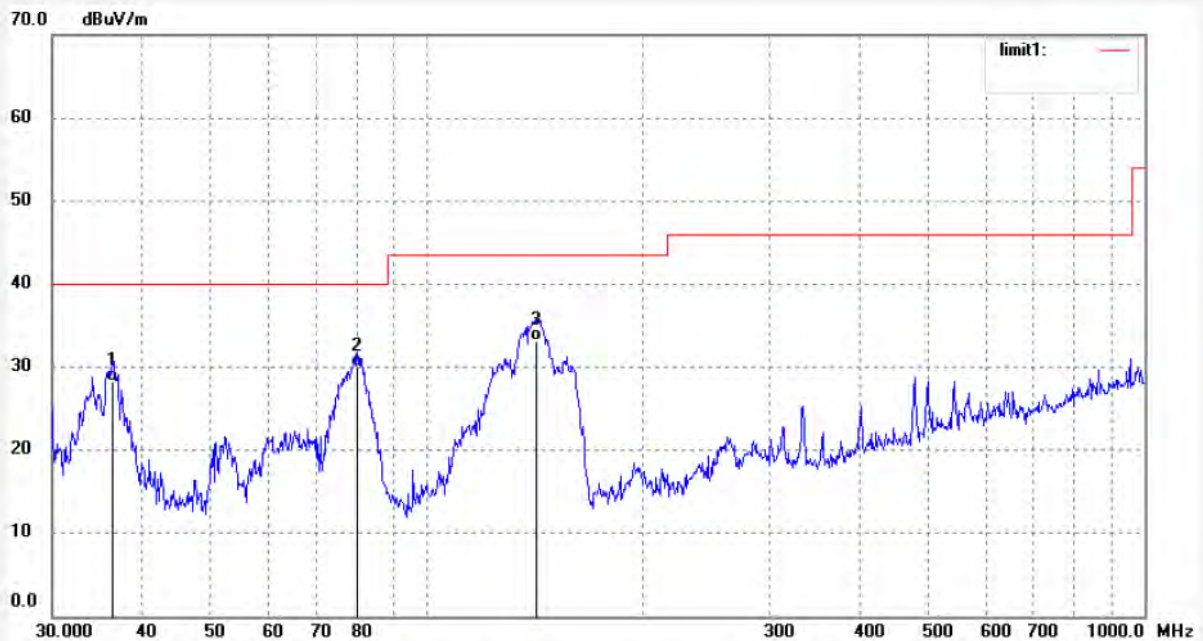
Date: 13/04/27/

Time: 8/46/22

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	36.3954	40.04	-11.73	28.31	40.00	-11.69	QP			
2	79.9569	44.53	-14.52	30.01	40.00	-9.99	QP			
3	141.7693	48.32	-15.23	33.09	43.50	-10.41	QP			



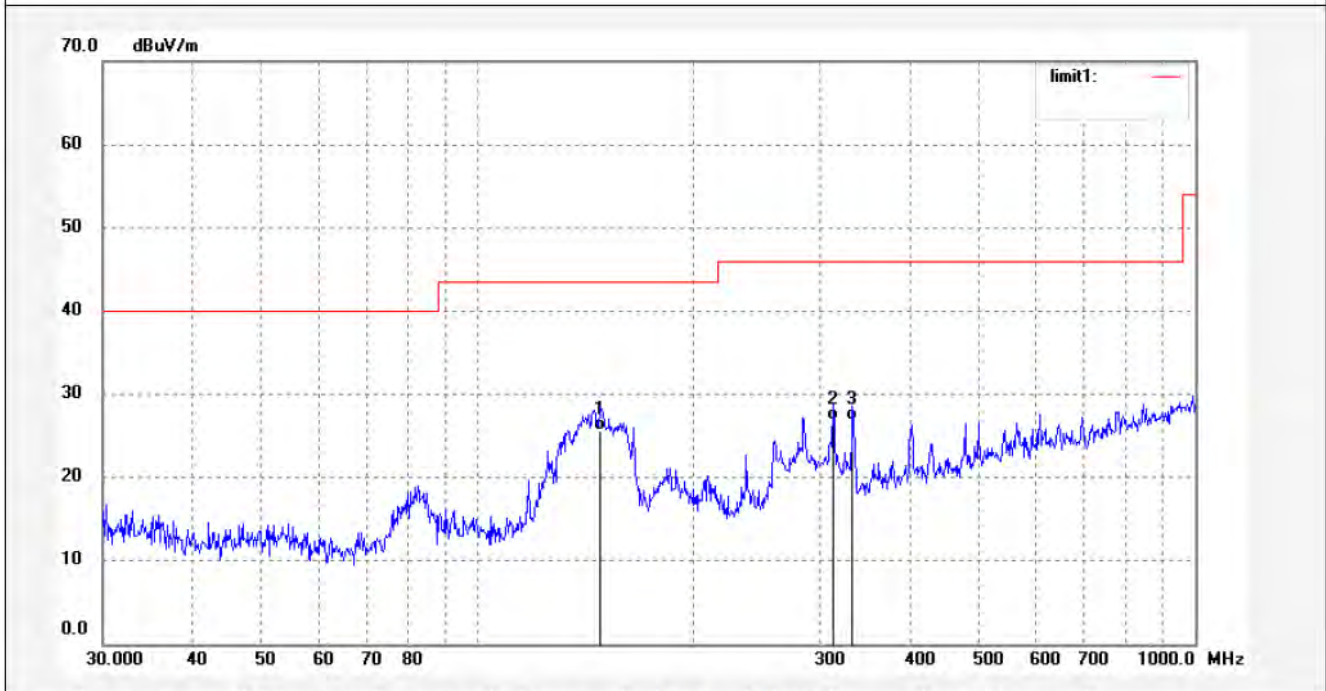
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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: ALEN #1100	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/27/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 8/46/53
EUT: MID	Engineer Signature:
Mode: TX 2462MHz(802.11n20)	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	148.3951	40.87	-15.18	25.69	43.50	-17.81	QP			
2	312.5482	35.75	-8.94	26.81	46.00	-19.19	QP			
3	332.9534	35.12	-8.29	26.83	46.00	-19.17	QP			



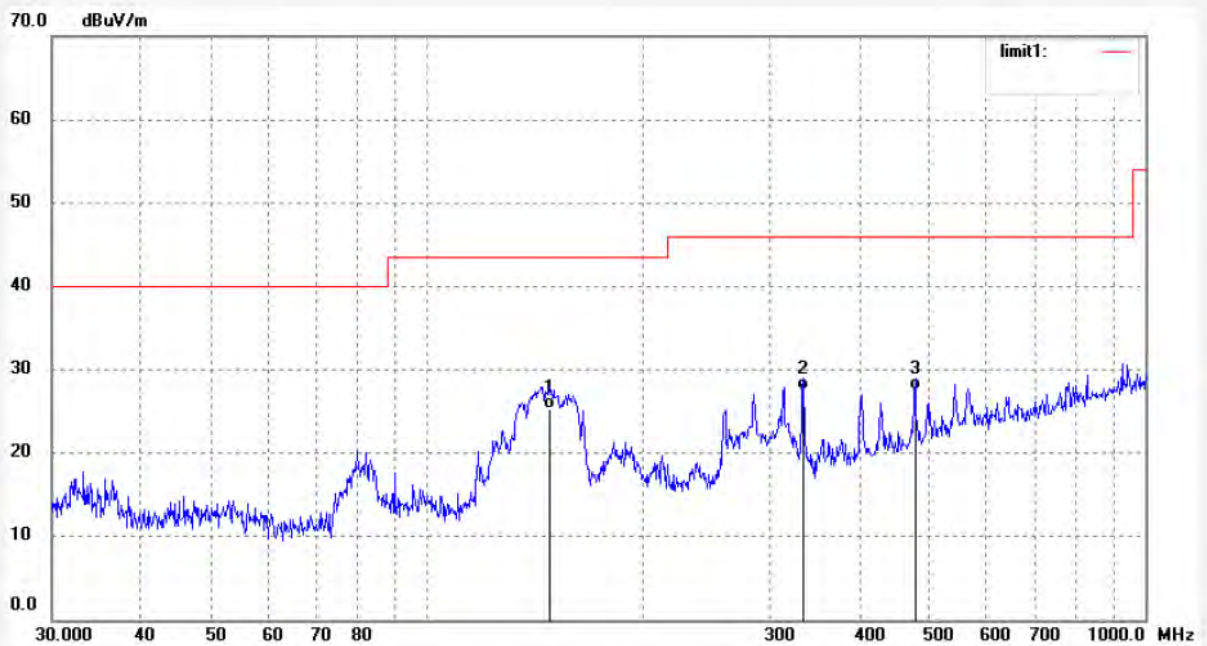
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Site: 2# Chamber
Tel:+86-0755-26503290
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Job No.: ALEN #1101	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/27/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 8/47/23
EUT: MID	Engineer Signature:
Mode: TX 2452MHz(802.11n40)	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	148.3951	40.42	-15.18	25.24	43.50	-18.26	QP			
2	334.1254	35.78	-8.28	27.50	46.00	-18.50	QP			
3	478.1394	32.90	-5.38	27.52	46.00	-18.48	QP			



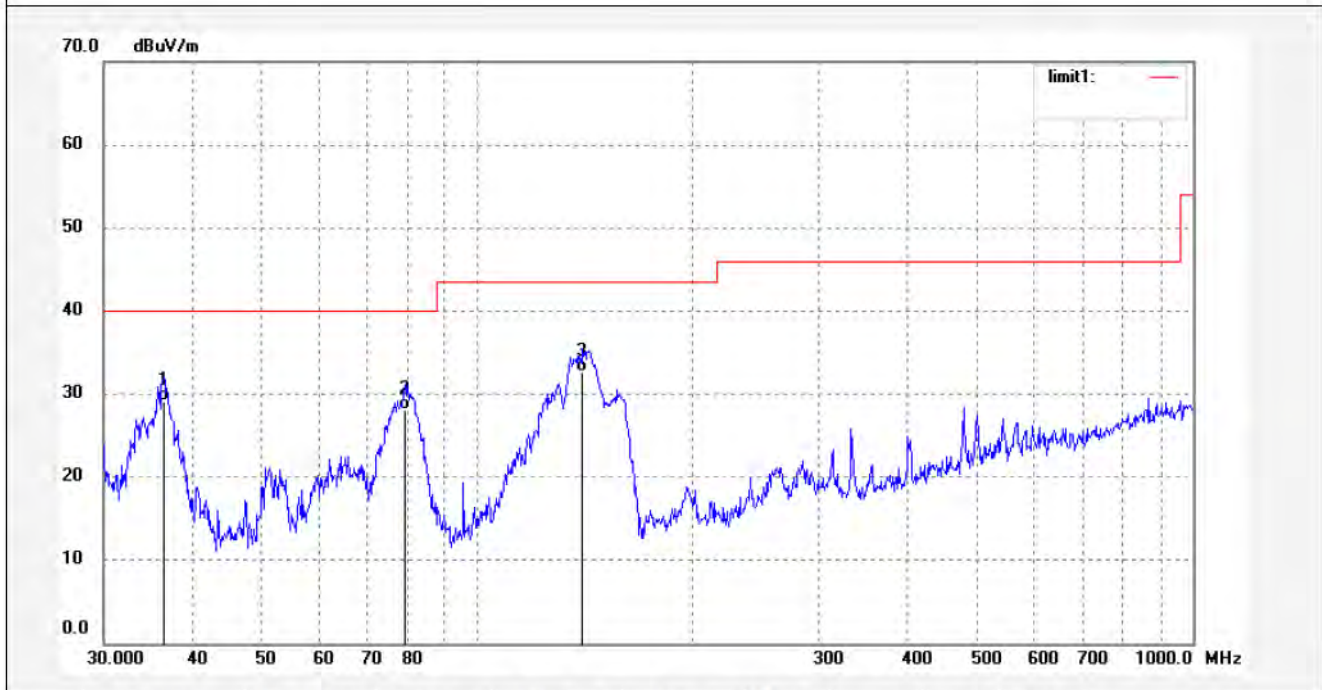
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Site: 2# Chamber
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Job No.: ALEN #1102	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/27/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 8/47/54
EUT: MID	Engineer Signature:
Mode: TX 2452MHz(802.11n40)	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	36.3954	40.90	-11.73	29.17	40.00	-10.83	QP			
2	79.1184	42.86	-14.74	28.12	40.00	-11.88	QP			
3	140.2829	47.85	-15.24	32.61	43.50	-10.89	QP			



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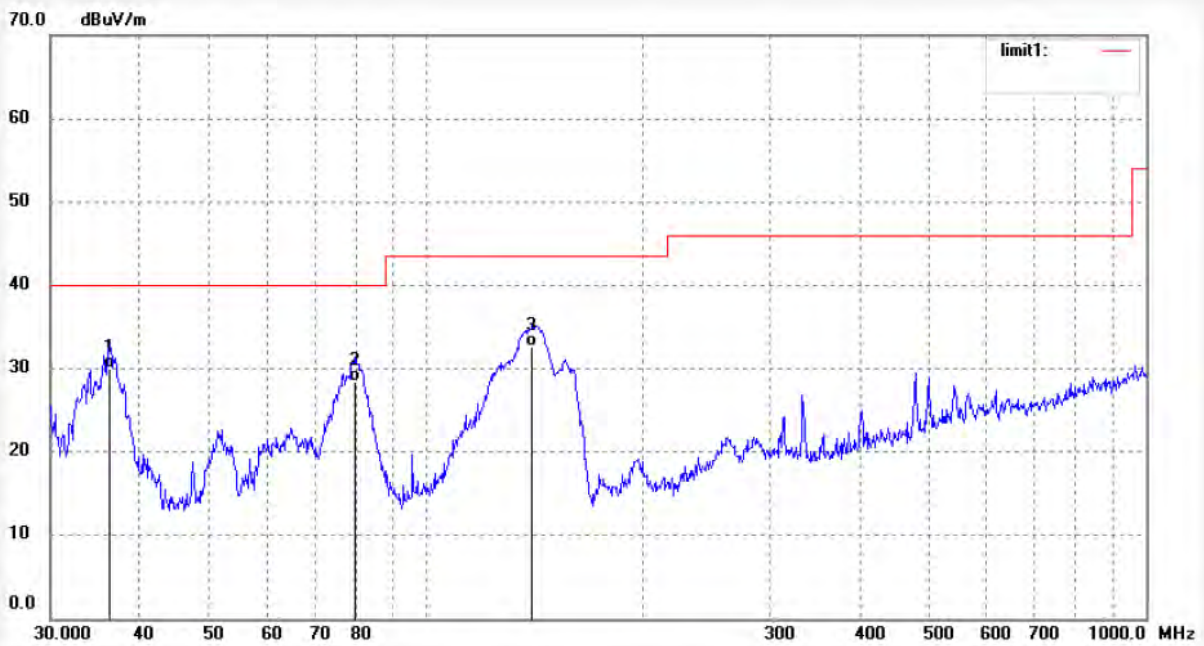
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: ALEN #1103
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: MID
Mode: TX 2437MHz(802.11n40)
Model: PC741
Manufacturer: Natural Sound

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/04/27/
Time: 8/50/15
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	36.2678	41.65	-11.71	29.94	40.00	-10.06	QP			
2	79.6764	43.12	-14.60	28.52	40.00	-11.48	QP			
3	140.2829	47.85	-15.24	32.61	43.50	-10.89	QP			



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Site: 2# Chamber

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Fax:+86-0755-26503396

Job No.: ALEN #1104

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: MID

Mode: TX 2437MHz(802.11n40)

Model: PC741

Manufacturer: Natural Sound

Polarization: Horizontal

Power Source: AC 120V/60Hz

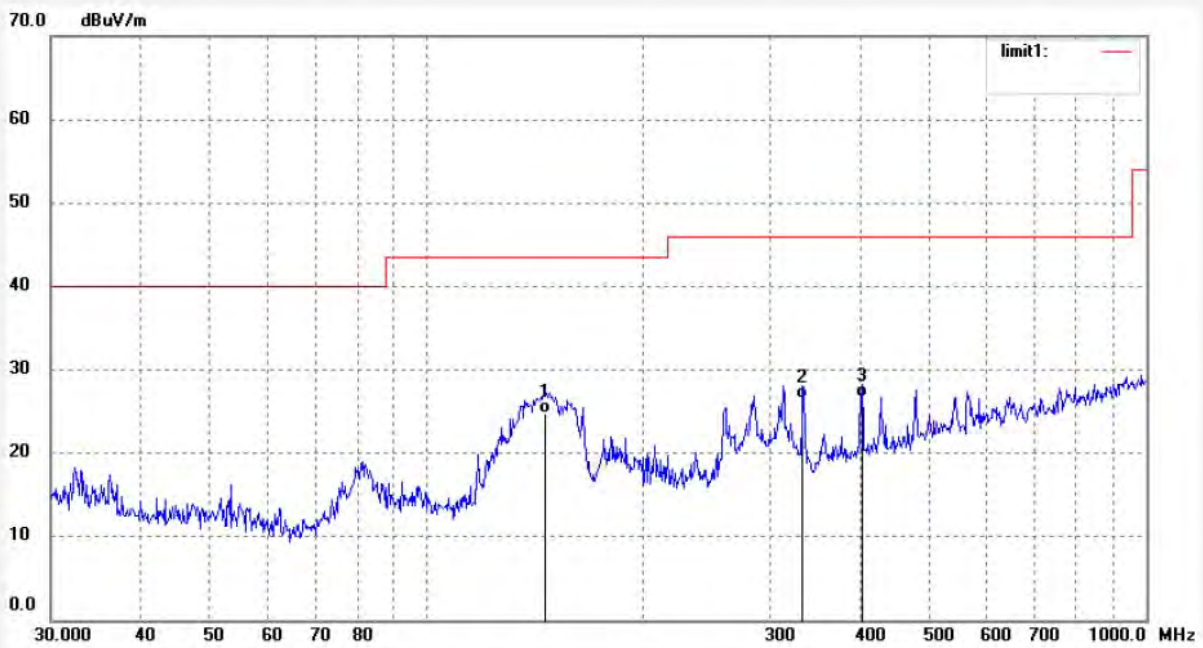
Date: 13/04/27/

Time: 8/50/53

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	146.3240	40.01	-15.21	24.80	43.50	-18.70	QP			
2	332.9534	34.78	-8.29	26.49	46.00	-19.51	QP			
3	402.5167	33.54	-6.78	26.76	46.00	-19.24	QP			



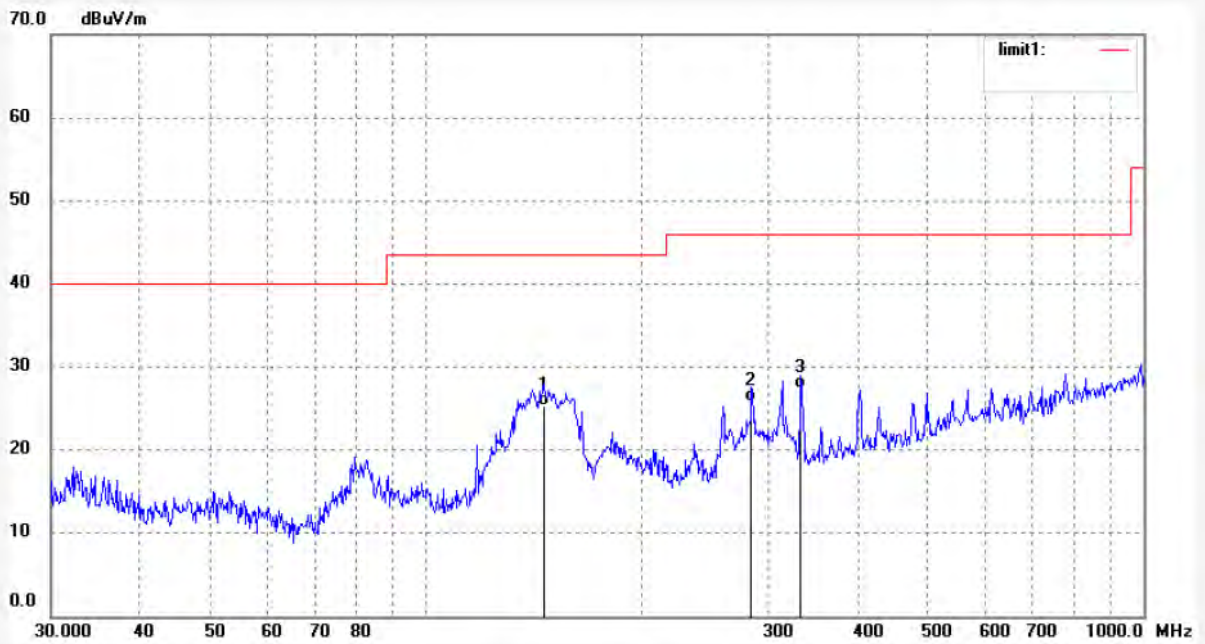
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Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: ALEN #1105	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/27/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 8/51/25
EUT: MID	Engineer Signature:
Mode: TX 2422MHz(802.11n40)	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	145.8109	40.51	-15.22	25.29	43.50	-18.21	QP			
2	284.2606	35.47	-9.70	25.77	46.00	-20.23	QP			
3	332.9534	35.67	-8.29	27.38	46.00	-18.62	QP			



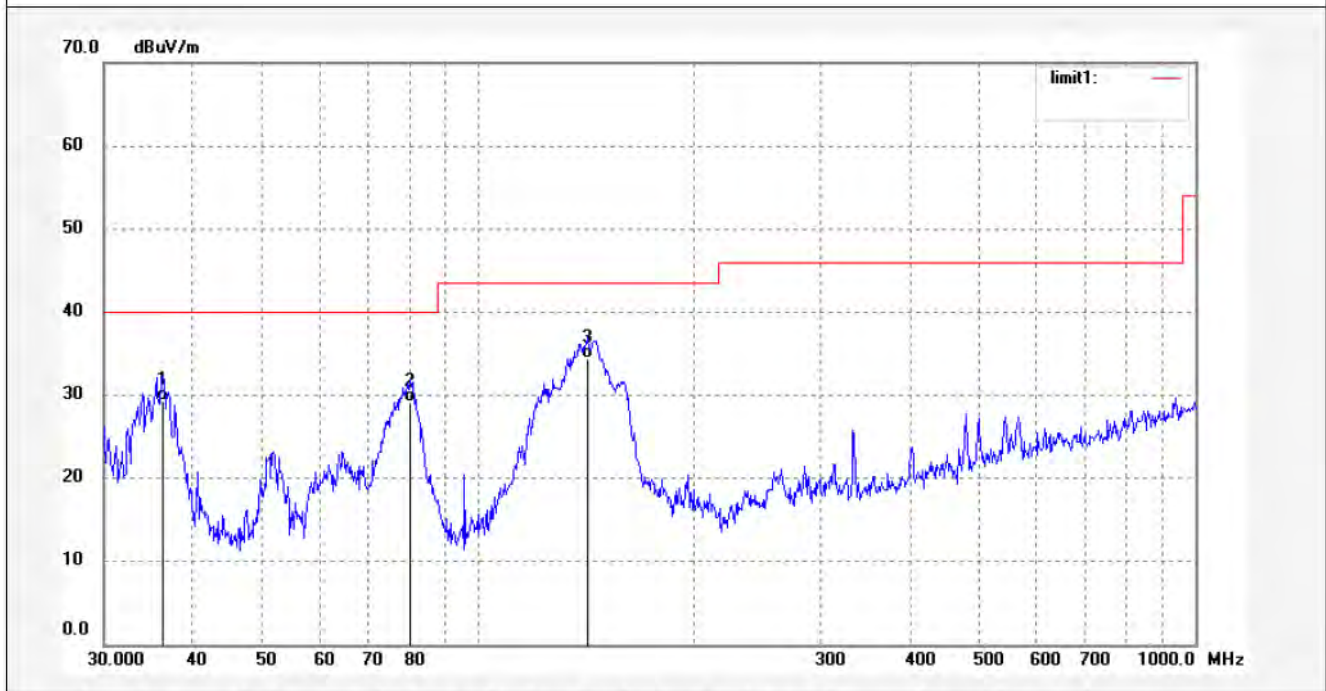
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Site: 2# Chamber
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Job No.: ALEN #1106	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/27/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 8/51/52
EUT: MID	Engineer Signature:
Mode: TX 2422MHz(802.11n40)	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	36.2678	40.95	-11.71	29.24	40.00	-10.76	QP			
2	80.2382	43.68	-14.46	29.22	40.00	-10.78	QP			
3	141.7693	49.63	-15.23	34.40	43.50	-9.10	QP			



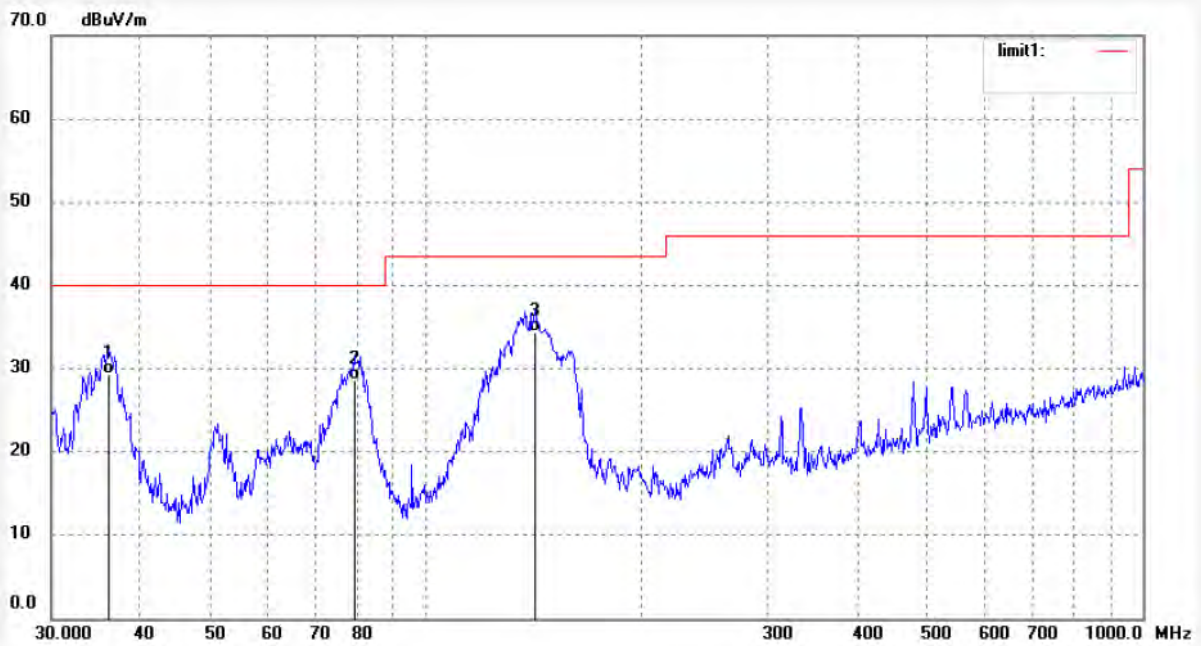
ACCURATE TECHNOLOGY CO., LTD.

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Site: 2# Chamber
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Job No.: ALEN #1107	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/27/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 8/52/23
EUT: MID	Engineer Signature:
Mode: TX 2412MHz(802.11b)	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	36.1405	41.05	-11.68	29.37	40.00	-10.63	QP			
2	79.3970	43.28	-14.67	28.61	40.00	-11.39	QP			
3	142.2684	49.68	-15.24	34.44	43.50	-9.06	QP			



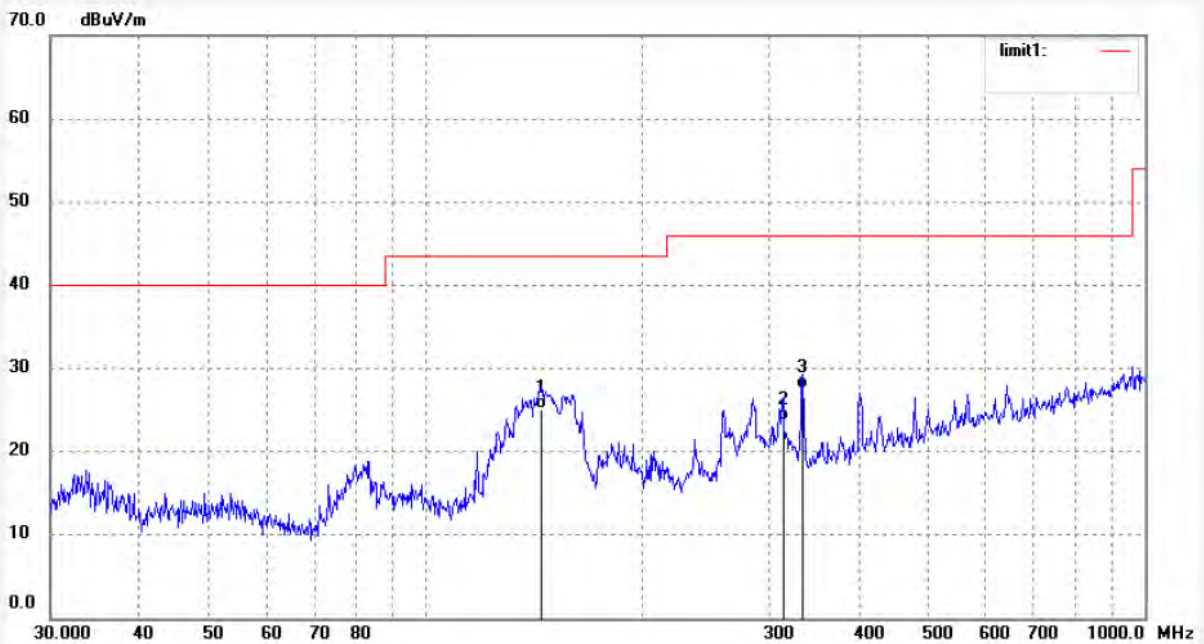
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
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Job No.: ALEN #1108	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/27/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 8/53/02
EUT: MID	Engineer Signature:
Mode: TX 2412MHz(802.11b)	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	144.7898	40.35	-15.23	25.12	43.50	-18.38	QP			
2	313.6482	32.58	-8.92	23.66	46.00	-22.34	QP			
3	334.1254	35.87	-8.28	27.59	46.00	-18.41	QP			



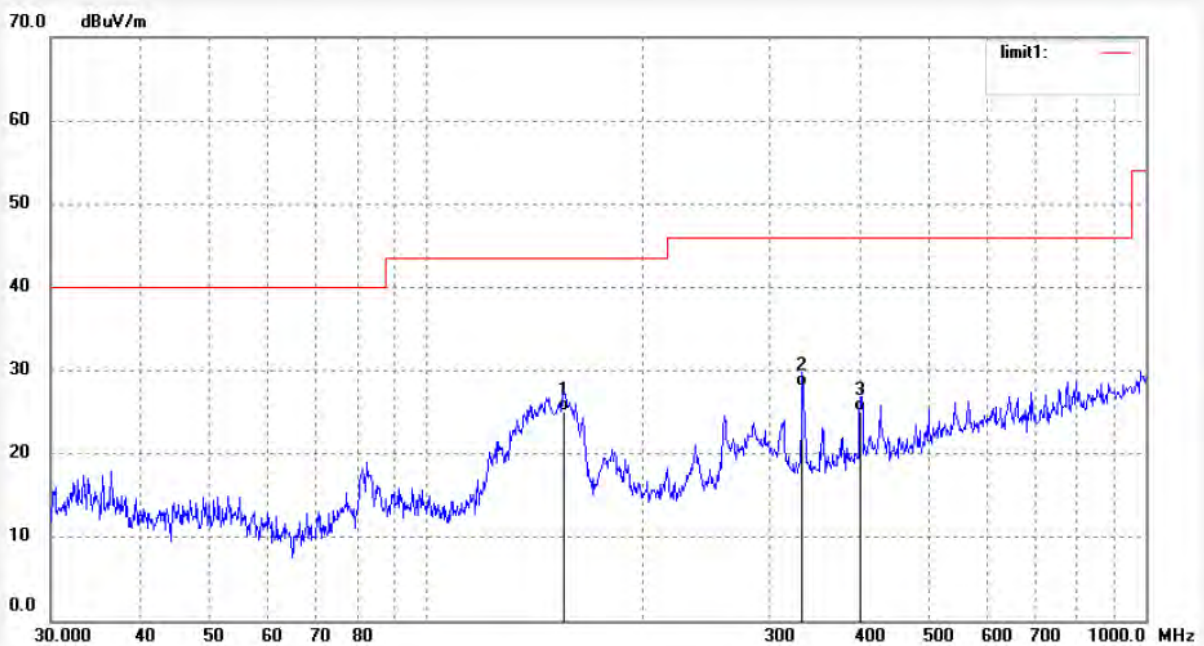
ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: ALEN #1109	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/27/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 8/53/51
EUT: MID	Engineer Signature:
Mode: TX 2437MHz(802.11b)	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	155.3305	40.10	-15.06	25.04	43.50	-18.46	QP			
2	332.9534	36.35	-8.29	28.06	46.00	-17.94	QP			
3	401.1050	31.98	-6.80	25.18	46.00	-20.82	QP			



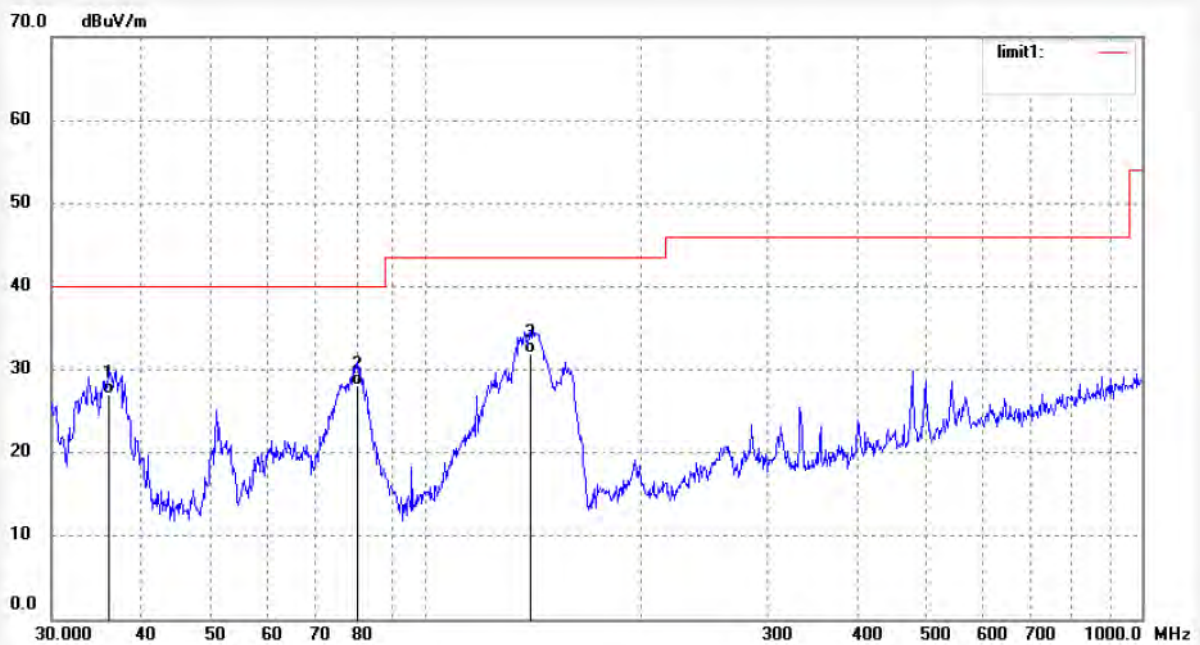
ACCURATE TECHNOLOGY CO., LTD.

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Site: 2# Chamber
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Job No.: ALEN #1110	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/04/27/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 8/54/33
EUT: MID	Engineer Signature:
Mode: TX 2437MHz(802.11b)	Distance: 3m
Model: PC741	
Manufacturer: Natural Sound	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	36.1405	38.69	-11.68	27.01	40.00	-12.99	QP			
2	80.2382	42.54	-14.46	28.08	40.00	-11.92	QP			
3	140.2829	47.12	-15.24	31.88	43.50	-11.62	QP			