

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

Polarization:

Date: 13/3/6/

Time: 8/57/31

Distance: 3m

Engineer Signature:

Power Source: USB 5V

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

Horizontal

Job No.: ALEN #715 Standard: FCC PK

Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 60 %

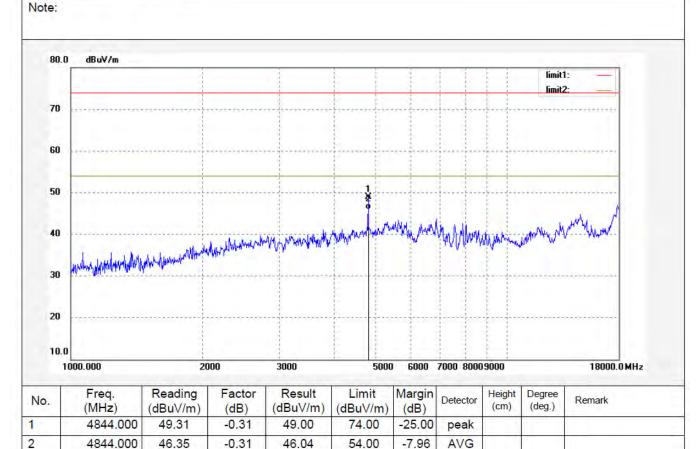
EUT: MID

Mode: TX 2422MHz(802.11n)(40MHz)

Model: PC436

Manufacturer: Natural Sound

KINTER





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 #716 Standard: FCC PK Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: MID

Mode: TX 2422MHz(802.11n)(40MHz)

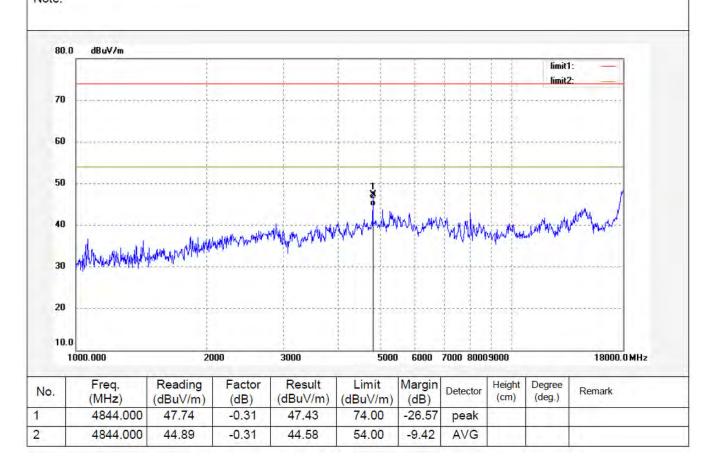
Model: PC436

Manufacturer: Natural Sound

Note:

Polarization: Vertical Power Source: USB 5V

Date: 13/3/6/ Time: 8/57/54 Engineer Signature: Distance: 3m





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 #717 Standard: FCC PK Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT:

Mode: TX 2437MHz(802.11n)(40MHz)

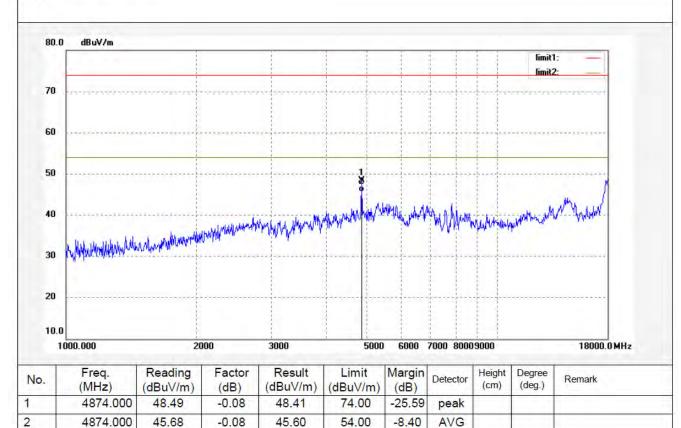
Model: PC436

Manufacturer: Natural Sound

Polarization: Vertical Power Source: USB 5V

Date: 13/3/6/ Time: 8/58/14 Engineer Signature: Distance: 3m







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 #718 Standard: FCC PK

Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 60 %

EUT: MID

Mode: TX 2437MHz(802.11n)(40MHz)

Model: PC436

Manufacturer: Natural Sound

viouei. FO4

Time: 8/58/41
Engineer Signature:
Distance: 3m

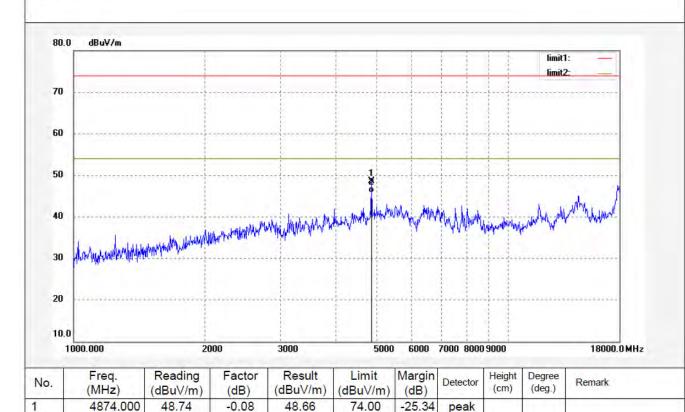
Power Source: USB 5V

Horizontal

Polarization:

Date: 13/3/6/

Note:



2

4874.000

45.86

-0.08

45.78

54.00

-8.22

AVG



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 #719 Standard: FCC PK

Test item: Radiation Test Temp.(C)/Hum.(%) 26 C / 60 %

EUT: MID

Mode: TX 2452MHz(802.11n)(40MHz)

Note:

Model: PC436

Manufacturer: Natural Sound

Polarization: Horizontal Power Source: USB 5V

Date: 13/3/6/ Time: 8/59/11 Engineer Signature:

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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 #720 Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT:

TX 2452MHz(802.11n)(40MHz) Mode:

Model:

Manufacturer: Natural Sound

PC4360

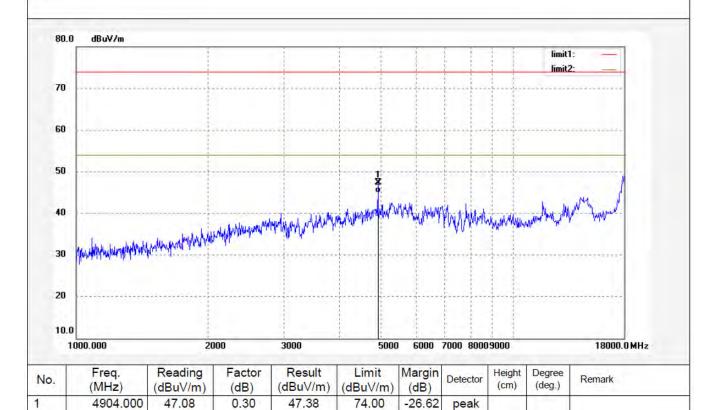
Power Source: USB 5V Date: 13/3/6/ Time: 8/59/29 **Engineer Signature:**

Vertical

Polarization:

Distance: 3m

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54.00

-9.05

AVG

2

4904.000

44.65

0.30

44.95



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 #721 Standard: FCC PK

Test item: Radiation Test Temp.(C)/Hum.(%) 26 C / 60 %

EUT:

TX 2462MHz(802.11n)(20MHz) Mode:

Manufacturer: Natural Sound

Model: PC436 Engineer Signature:

Distance: 3m

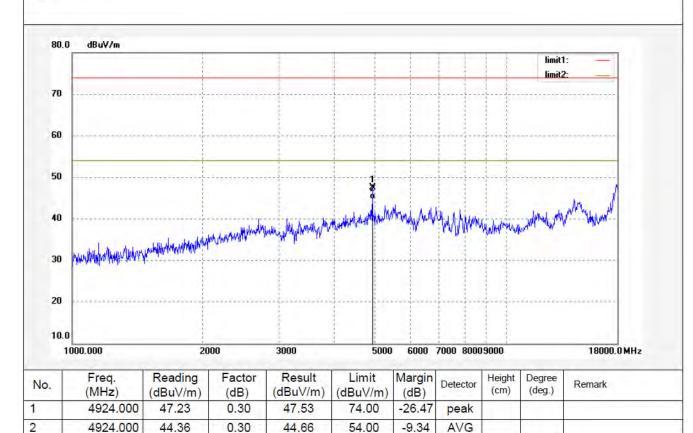
Polarization:

Date: 13/3/6/

Time: 8/59/50

Power Source: USB 5V

Vertical





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

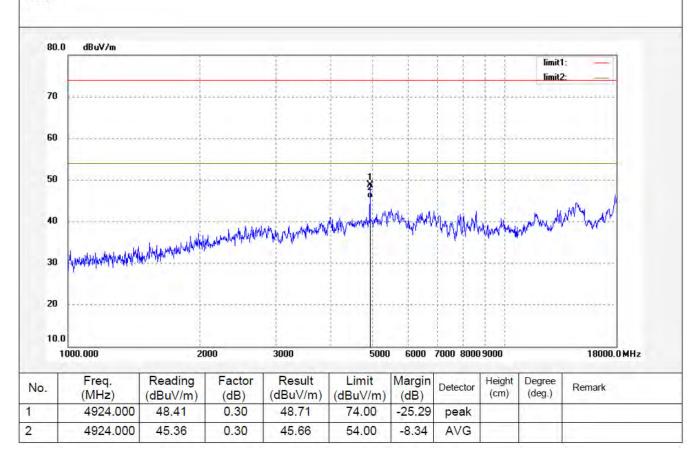
Job No.: ALEN #722 Polarization: Horizontal Standard: FCC PK Power Source: USB 5V

Test item: Radiation Test Date: 13/3/6/ Temp.(C)/Hum.(%) 26 C / 60 % Time: 9/03/20 EUT: MID Engineer Signature: Distance: 3m

Mode: TX 2462MHz(802.11n)(20MHz)

Model: PC436

Manufacturer: Natural Sound





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 #723 Standard: FCC PK Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: MID

Mode: TX 2437MHz(802.11n)(20MHz)

Model:

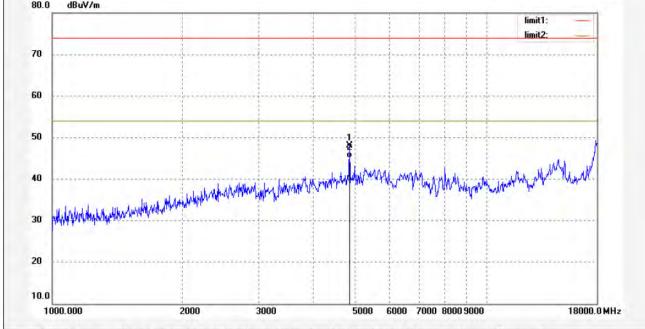
Manufacturer: Natural Sound

PC436

Polarization: Horizontal Power Source: USB 5V Date: 13/3/6/

Time: 9/03/39 Engineer Signature: Distance: 3m

Note: dBuV/m limit1:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)		Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	4874.000	48.23	-0.08	48.15	74.00	-25.85	peak	1			
2	4874.000	45.24	-0.08	45.16	54.00	-8.84	AVG				



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 #724 Standard: FCC PK Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: MID

Mode: TX 2437MHz(802.11n)(20MHz)

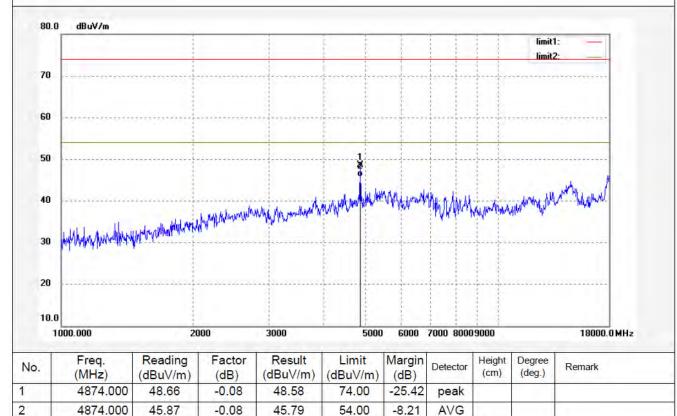
Model: PC436

Manufacturer: Natural Sound

Polarization: Vertical Power Source: USB 5V

Date: 13/3/6/ Time: 9/04/08 Engineer Signature:

Not	te:





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

Horizontal

Job No.: ALEN #725 Standard: FCC PK

Test item: Radiation Test Temp.(C)/Hum.(%) 26 C / 60 %

EUT: MID

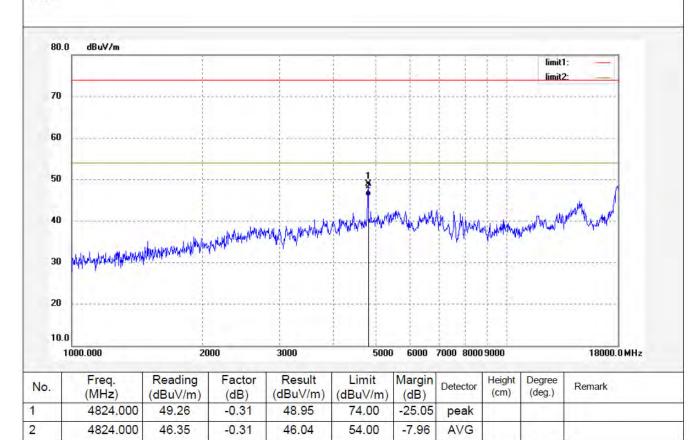
Mode: TX 2412MHz(802.11n)(20MHz)

Manufacturer: Natural Sound

Model: PC436 Date: 13/3/6/ Time: 9/04/30 Engineer Signature: Distance: 3m

Polarization:

Power Source: USB 5V





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 #726 Standard: FCC PK Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: MID

Mode: TX 2412MHz(802.11n)(20MHz)

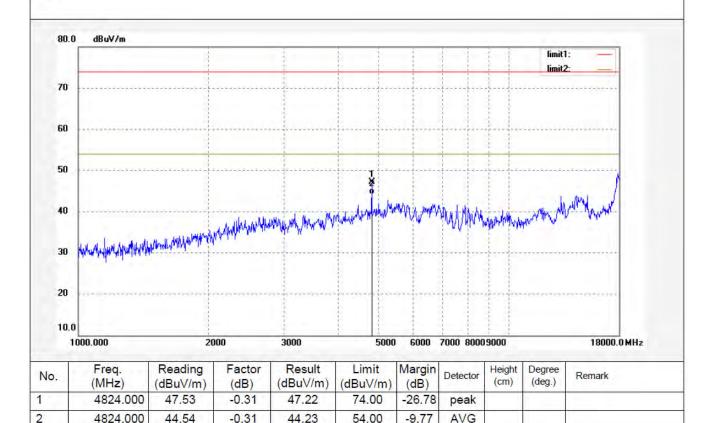
Model: PC436

Manufacturer: Natural Sound

Polarization: Vertical

Power Source: USB 5V Date: 13/3/6/

Time: 9/04/53 Engineer Signature: Distance: 3m





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 #727 Standard: FCC PK Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: MID

Mode: TX 2462MHz(802.11g)

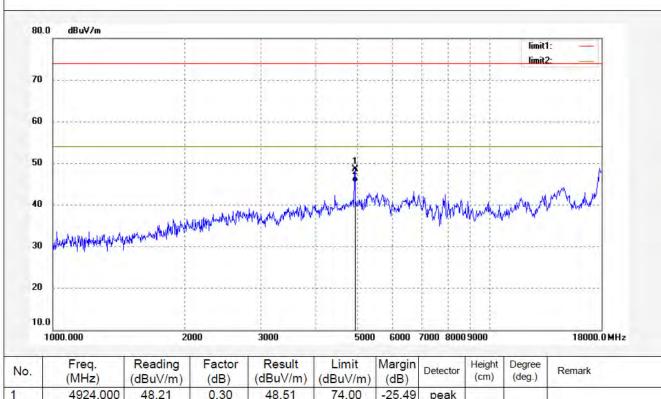
Model: PC436

Manufacturer: Natural Sound

Note:

Polarization: Vertical Power Source: USB 5V

Date: 13/3/6/ Time: 9/05/17 **Engineer Signature:** Distance: 3m





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 #728 Standard: FCC PK Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: MID

Mode: TX 2462MHz(802.11g)

Model:

Manufacturer: Natural Sound

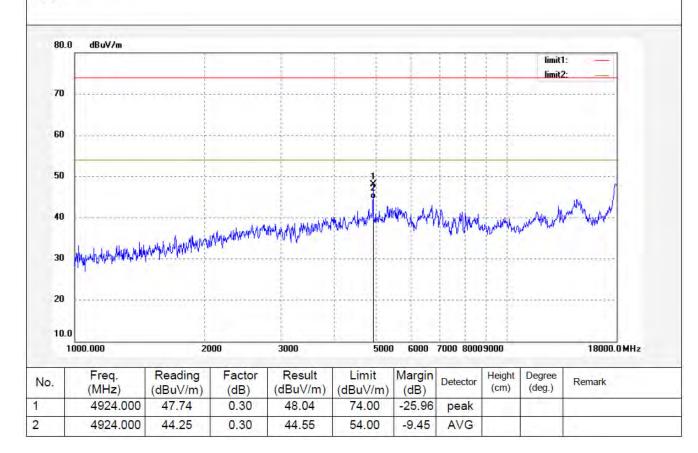
PC436

Date: 13/3/6/ Time: 9/05/32 Engineer Signature: Distance: 3m

Polarization:

Power Source: USB 5V

Horizontal





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 #729 Standard: FCC PK

Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 60 %

EUT: MID

Mode: TX 2437MHz(802.11g)

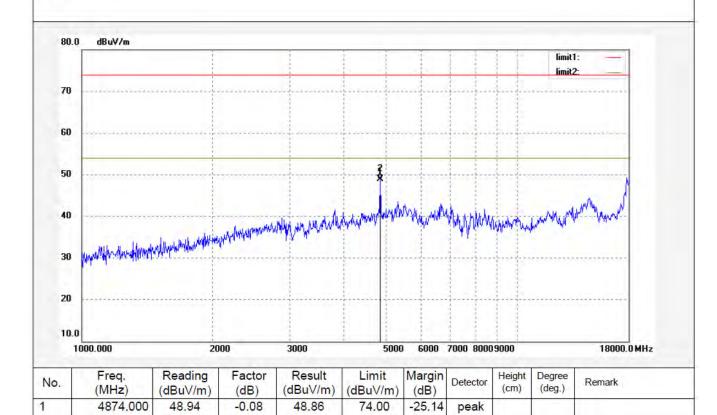
Model: PC436

Manufacturer: Natural Sound

Polarization: Horizontal Power Source: USB 5V

Date: 13/3/6/ Time: 9/05/51 Engineer Signature: Distance: 3m

Note:



54.00

-5.14

AVG

2

4874.000

48.94

-0.08

48.86



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 #730 Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: MID

Mode: TX 2437MHz(802.11g)

Model: PC436

Note:

Manufacturer: Natural Sound

Polarization: Vertical Power Source: USB 5V Date: 13/3/6/

Time: 9/06/13 Engineer Signature:

Distance: 3m

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54.00

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AVG

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4874.000

46.25

-0.08

46.17



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 #731 Standard: FCC PK Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: MID

Mode: TX 2412MHz(802.11g)

Model: PC436

Note:

Manufacturer: Natural Sound

Time: 9/06/37 Engineer Signature: Distance: 3m

Date: 13/3/6/

Polarization: Horizontal

Power Source: USB 5V

80.	0 dBuV/m									
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30 20 10.	0 1000.000 Freq.	200 Reading	00 Factor	3000 Result	5000 Limit	0 6000 Margin	7000 8000	Height		



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 #732 Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: MID

Mode: TX 2412MHz(802.11g)

Model: PC436

Manufacturer: Natural Sound

Engineer Signature: Distance: 3m

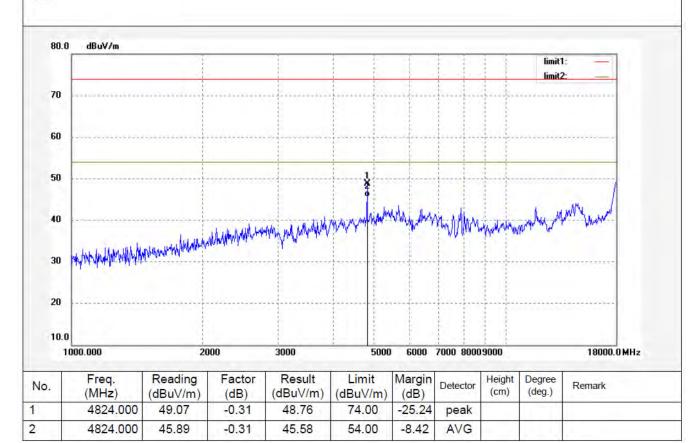
Polarization:

Date: 13/3/6/

Time: 9/06/57

Power Source: USB 5V

Vertical





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 #733 Standard: FCC PK Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: MID

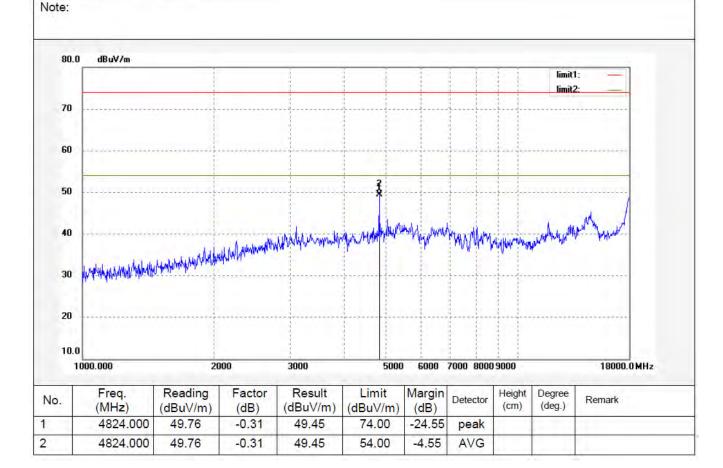
Mode: TX 2412MHz(802.11b)

Model: PC436

Manufacturer: Natural Sound

Polarization: Vertical Power Source: USB 5V

Date: 13/3/6/ Time: 9/07/19 **Engineer Signature:**





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 #734 Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: MID

Mode: TX 2412MHz(802.11b)

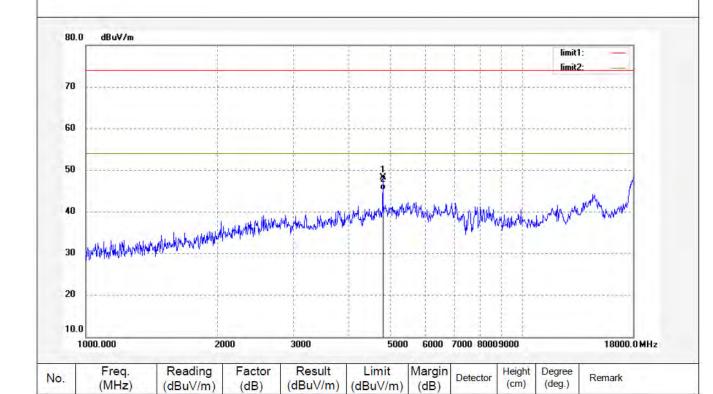
Model: PC436

Manufacturer: Natural Sound

Polarization: Horizontal Power Source: USB 5V

Date: 13/3/6/ Time: 9/07/38 Engineer Signature: Distance: 3m

Note:



74.00

54.00

-25.82

-8.70

peak

AVG

1

2

4824,000

4824.000

48.49

45.61

-0.31

-0.31

48.18

45.30



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

18000.0 MHz

Job No.: ALEN #735 Standard: FCC PK Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: MID

Mode: TX 2437MHz(802.11b)

Model: PC436

Note:

20

10.0

1000.000

2000

Manufacturer: Natural Sound

Polarization: Vertical Power Source: USB 5V

Date: 13/3/6/ Time: 9/08/01 Engineer Signature:

Distance: 3m

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No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	4874.000	48.94	-0.08	48.86	74.00	-25.14	peak				
2	4874.000	45.36	-0.08	45.28	54.00	-8.72	AVG				

3000



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 #736 Standard: FCC PK

Test item: Radiation Test Temp.(C)/Hum.(%) 26 C / 60 %

EUT: MID

Mode:

PC436 Model:

Manufacturer: Natural Sound

TX 2437MHz(802.11b)

Polarization: Horizontal Power Source: USB 5V

Date: 13/3/6/ Time: 9/08/28 Engineer Signature: Distance: 3m

80.0	D dBuV/m									
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30 20 10.0	000.000	20	00	3000	5000	6000	7000 8000		apart and he goddle	18000.0 MHz
30 20 10.0	0		*********				7000 8000 Detector	9000 Height (cm)	Degree (deg.)	18000.0 MHz
30 20 10.0 1	0 1000.000 Freq.	20 Reading	000 Factor	3000 Result	5000	6000 Margin	Detector	Height		



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 #737 Standard: FCC PK Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: MID

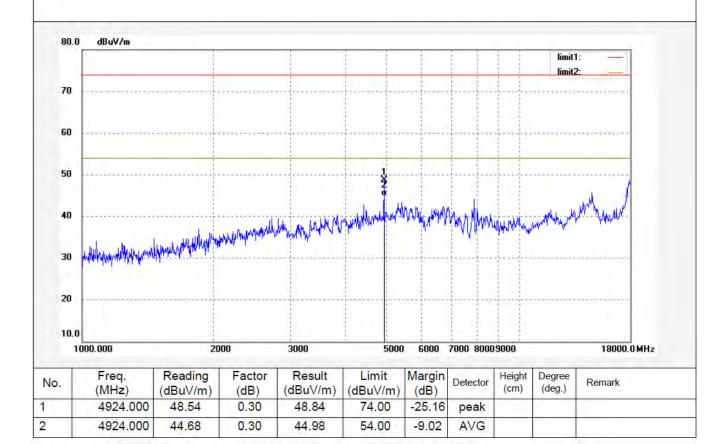
Mode: TX 2462MHz(802.11b)

Model: PC436

Manufacturer: Natural Sound

Polarization: Vertical
Power Source: USB 5V

Date: 13/3/6/
Time: 9/08/43
Engineer Signature:
Distance: 3m





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 #738 Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: MID

Mode: TX 2462MHz(802.11b)

Model: PC436

Note:

Manufacturer: Natural Sound

Power Source: USB 5V Date: 13/3/6/

Polarization: Horizontal

Time: 9/09/03 Engineer Signature:

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F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: ALEN #670 Standard: FCC 15C Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

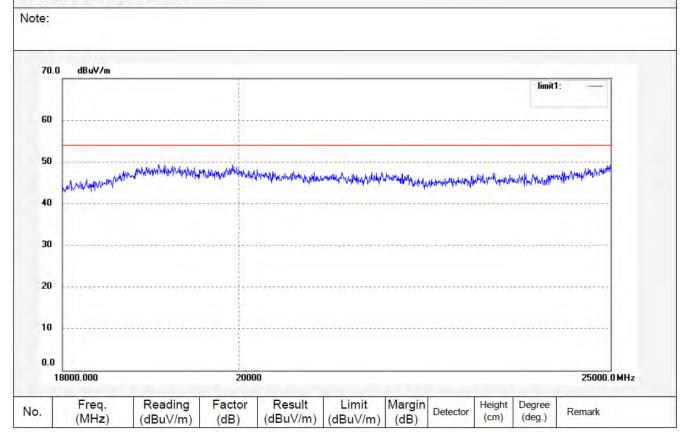
Mode: TX Channel 1 (802.11b)

Model: PC436

Manufacturer: Natural Sound

Polarization: Horizontal Power Source: USB 5V

Date: 13/3/5/ Time: 11:07:15 Engineer Signature:





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: ALEN #671 Standard: FCC 15C Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 1 (802.11b)

Model: PC436

Manufacturer: Natural Sound

Polarization: Vertical
Power Source: USB 5V

Date: 13/3/5/ Time: 11:09:22 Engineer Signature: Distance: 3m





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

Polarization:

Date: 13/3/5/

Time: 11:14:45

Distance: 3m

Engineer Signature:

Power Source: USB 5V

Vertical

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

Job No.: ALEN #672 Standard: FCC 15C Test item: Radiation Test

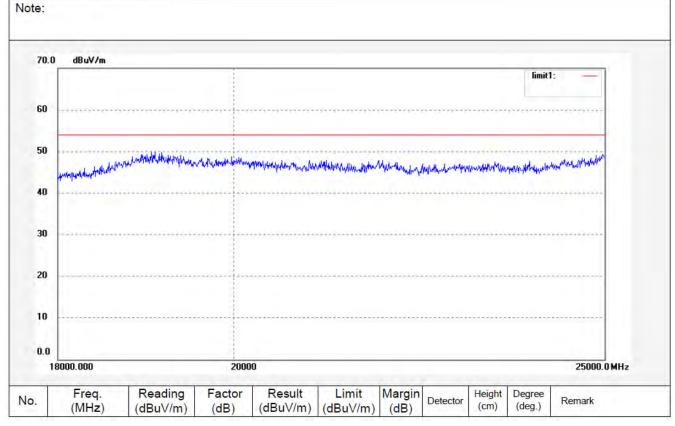
Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 6 (802.11b)

Manufacturer: Natural Sound

Model: PC436





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: ALEN #673 Standard: FCC 15C Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

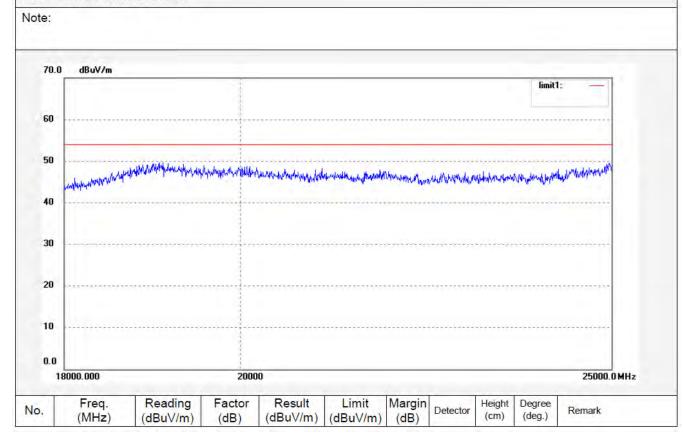
Mode: TX Channel 6 (802.11b)

Model: PC436

Manufacturer: Natural Sound

Polarization: Horizontal Power Source: USB 5V Date: 13/3/5/

Time: 11:18:36
Engineer Signature:





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

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

Job No.: ALEN #674 Standard: FCC 15C

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 11 (802.11b)

Note:

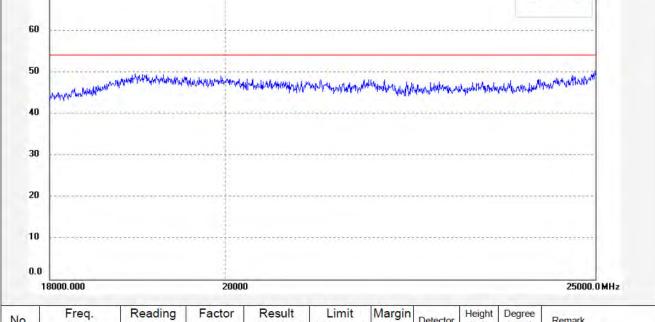
Manufacturer: Natural Sound

Model: PC436 Power Source: USB 5V Date: 13/3/5/ Time: 11:23:55 **Engineer Signature:**

Polarization:

Horizontal







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

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

Job No.: ALEN#675 Standard: FCC 15C

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 11 (802.11b)

Model:

Manufacturer: Natural Sound

PC436

Distance: 3m

Polarization:

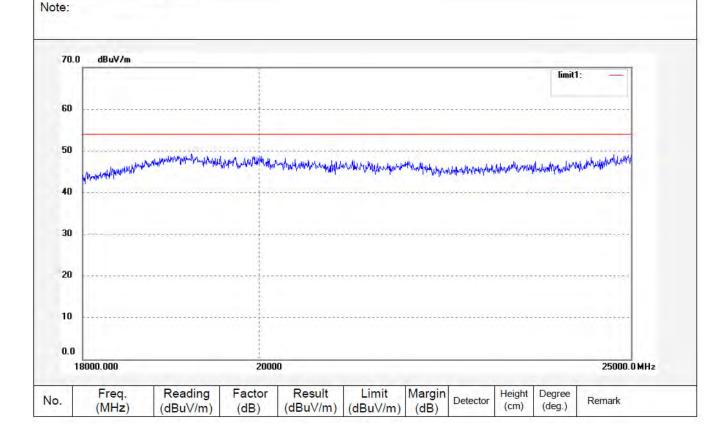
Date: 13/3/5/

Time: 11:27:11

Engineer Signature:

Power Source: USB 5V

Vertical





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

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

Job No.: ALEN #676 Standard: FCC 15C Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT:

Mode: TX Channel 1 (802.11g)

PC436 Model:

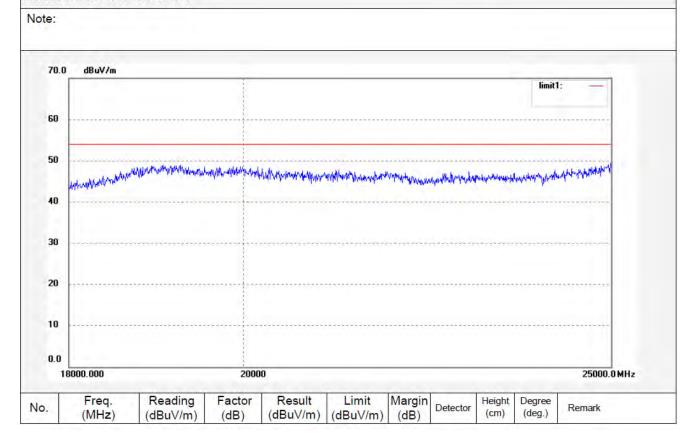
Manufacturer: Natural Sound

Date: 13/3/5/ Time: 11:32:05 **Engineer Signature:**

Distance: 3m

Polarization: Vertical

Power Source: USB 5V





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

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

Job No.: ALEN #677 Standard: FCC 15C

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

TX Channel 1 (802.11g) Mode:

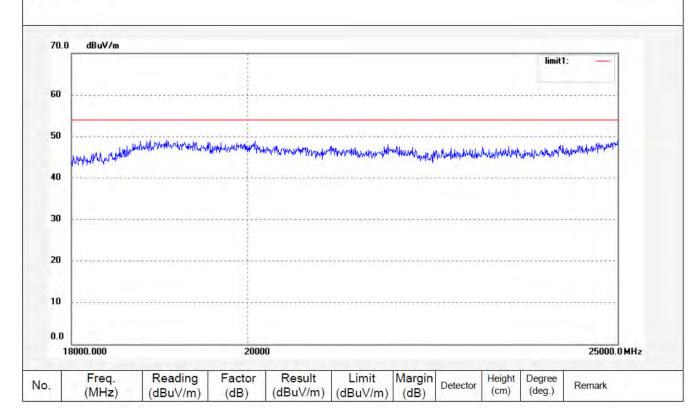
Model: PC436

Manufacturer: Natural Sound

Power Source: USB 5V Date: 13/3/5/ Time: 11:35:56 **Engineer Signature:** Distance: 3m

Horizontal

Polarization:





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: ALEN #678 Standard: FCC I5C

Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

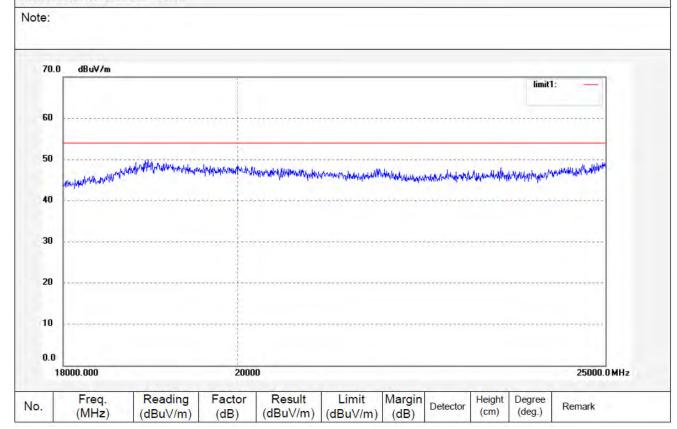
Mode: TX Channel 6 (802.11g)

Model: PC436

Manufacturer: Natural Sound

Polarization: Horizontal Power Source: USB 5V

Date: 13/3/5/ Time: 11:38:38 Engineer Signature:





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: ALEN #679 Standard: FCC 15C Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 6 (802.11g)

Model: PC436

Manufacturer: Natural Sound

Hum.(%) 25 C / 50 %

IID

Channel 6 (803 11a)

Distance: 3m

Engineer Signature:

Time: 11:43:17

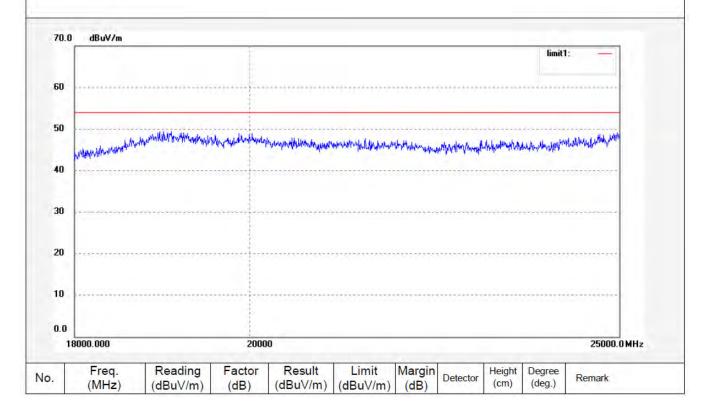
Polarization:

Date: 13/3/5/

Power Source: USB 5V

Vertical







F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: ALEN #680 Standard: FCC 15C Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 11 (802.11g)

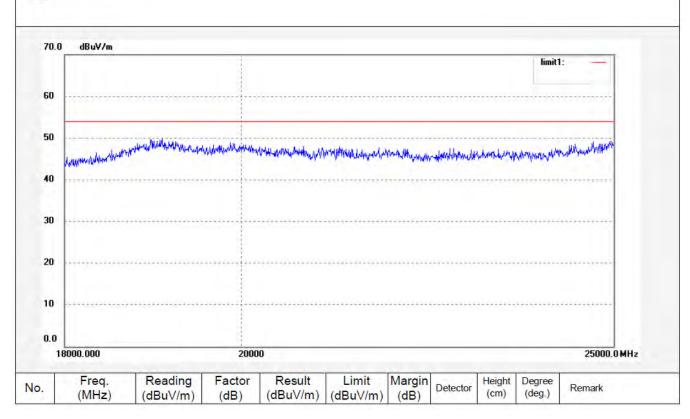
Model: PC436

Manufacturer: Natural Sound

Polarization: Vertical
Power Source: USB 5V

Date: 13/3/5/
Time: 11:47:55
Engineer Signature:
Distance: 3m

......





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: ALEN #681 Standard: FCC 15C Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 11 (802.11g)

Model: PC436

Manufacturer: Natural Sound

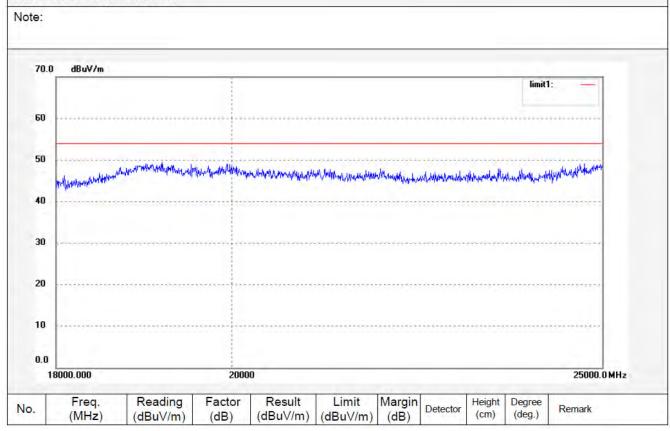
Power Source: USB 5V Date: 13/3/5/

Horizontal

Time: 11:50:47 Engineer Signature:

Distance: 3m

Polarization:





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: Alen #682 Standard: FCC 15C Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

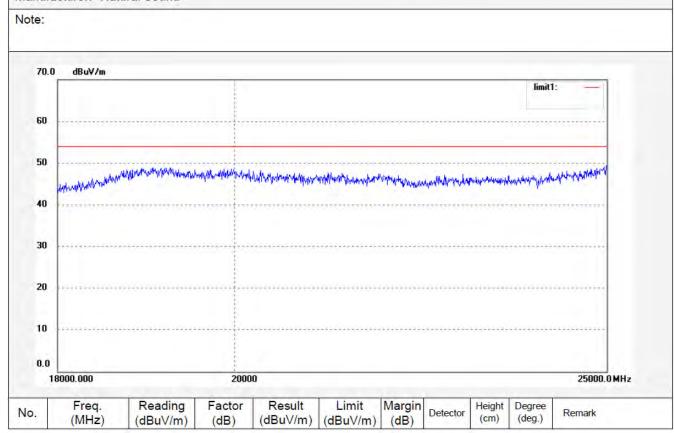
Mode: TX Channel 11 (802.11n)

Model: PC436

Manufacturer: Natural Sound

Polarization: Vertical Power Source: USB 5V

Date: 13/3/5/ Time: 12:41:05 Engineer Signature:





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: Alen #683 Standard: FCC 15C Test item: Radiation Test

Test item. Radiation rest

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 11 (802.11n)

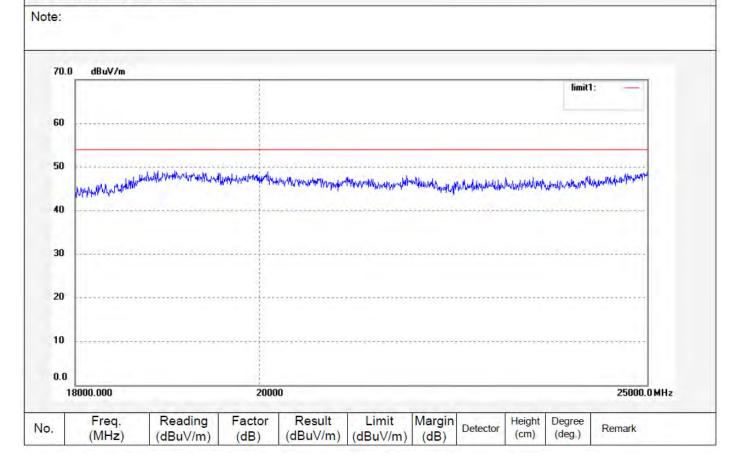
Model: PC436

Manufacturer: Natural Sound

DO 400

Polarization: Horizontal Power Source: USB 5V Date: 13/3/5/

Date: 13/3/5/ Time: 12:42:56 Engineer Signature:





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

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

Job No.: Alen #684 Standard: FCC 15C

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 6 (802.11n)

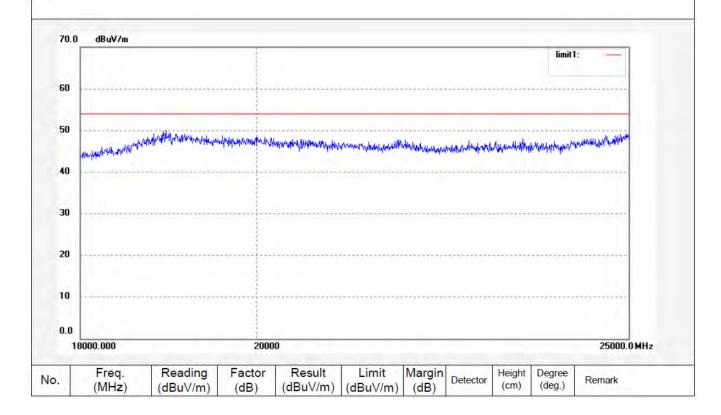
Manufacturer: Natural Sound

Model: PC436

Note:

Polarization: Horizontal Power Source: USB 5V

Date: 13/3/5/ Time: 12:44:38 **Engineer Signature:** Distance: 3m





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: Alen #685 Standard: FCC 15C

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 6 (802.11n)

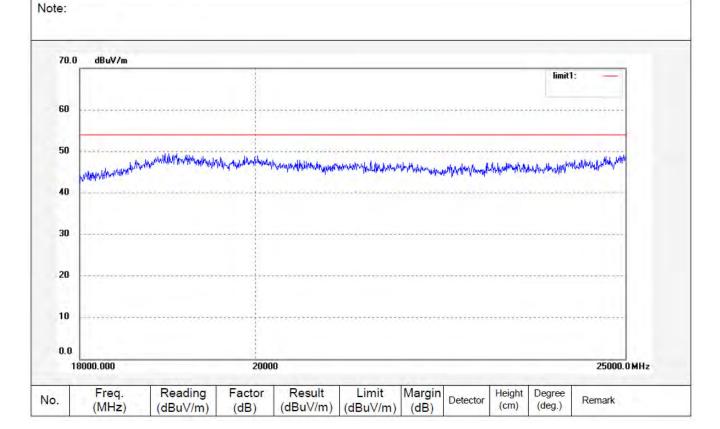
Model: PC436

Manufacturer: Natural Sound

Manula

Polarization: Vertical Power Source: USB 5V

Date: 13/3/5/
Time: 12:45:42
Engineer Signature:
Distance: 3m





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: Alen #686 Standard: FCC 15C Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 1 (802.11n)

Model: PC436

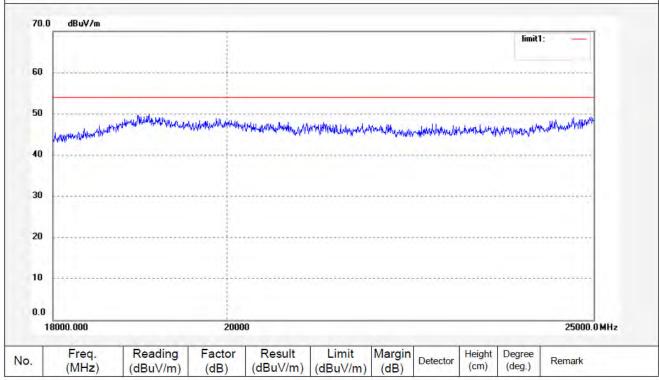
Manufacturer: Natural Sound

Polarization: Vertical Power Source: USB 5V

Date: 13/3/5/ Time: 12:48:59 Engineer Signature: Distance: 3m

urfacturer. Natural Sound







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

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

Job No.: Alen #687 Standard: FCC 15C

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 1 (802.11n)

Model:

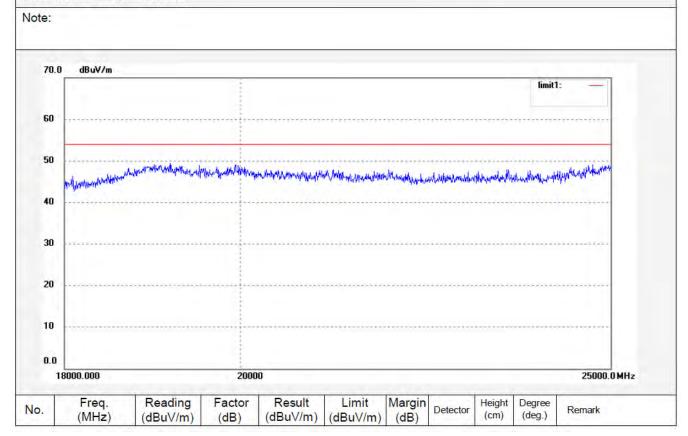
Manufacturer: Natural Sound

PC436

Polarization: Horizontal Power Source: USB 5V

Date: 13/3/5/ Time: 12:52:35

Engineer Signature: Alen





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: Alen #688 Standard: FCC 15C

Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

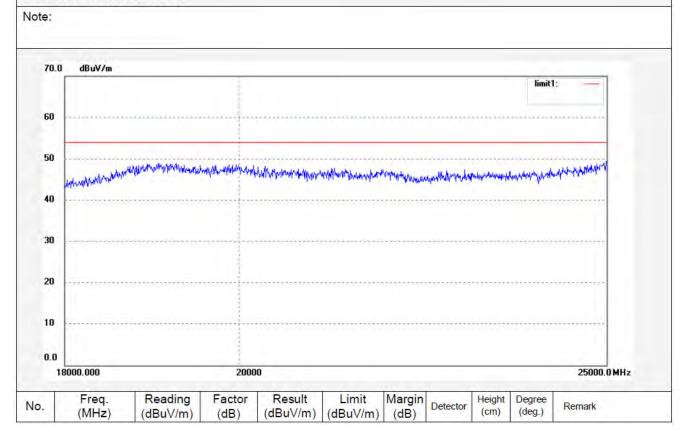
Mode: TX Channel 9 (802.11n)40MHz

Model: PC436

Manufacturer: Natural Sound

Polarization: Vertical
Power Source: USB 5V

Date: 13/3/5/
Time: 13:21:05
Engineer Signature:
Distance: 3m





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

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

Job No.: Alen #689 Standard: FCC 15C

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 9 (802.11n)40MHz

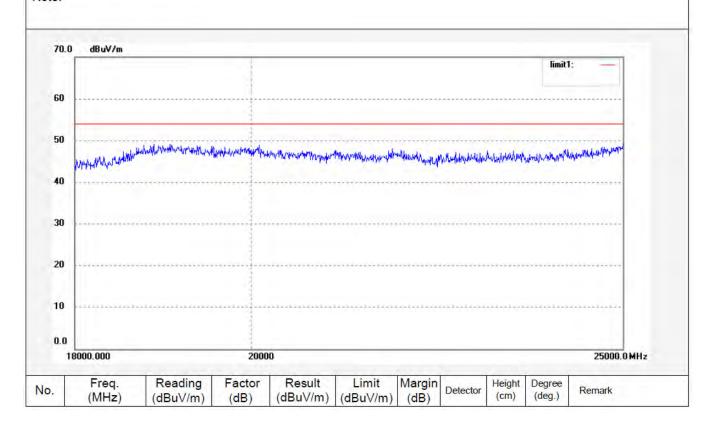
Manufacturer: Natural Sound

Model: PC436

Note:

Polarization: Horizontal Power Source: USB 5V

Date: 13/3/5/ Time: 13:22:56 Engineer Signature: Distance: 3m





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: Alen #690 Standard: FCC 15C

Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

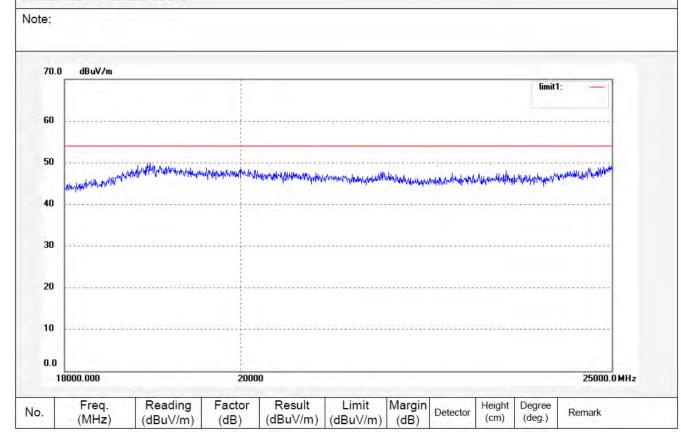
Mode: TX Channel 6 (802.11n)40MHz

Model: PC436

Manufacturer: Natural Sound

Polarization: Horizontal Power Source: USB 5V

Date: 13/3/5/ Time: 13:24:38 Engineer Signature:





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

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

Job No.: Alen #691 Standard: FCC 15C

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 % EUT: MID

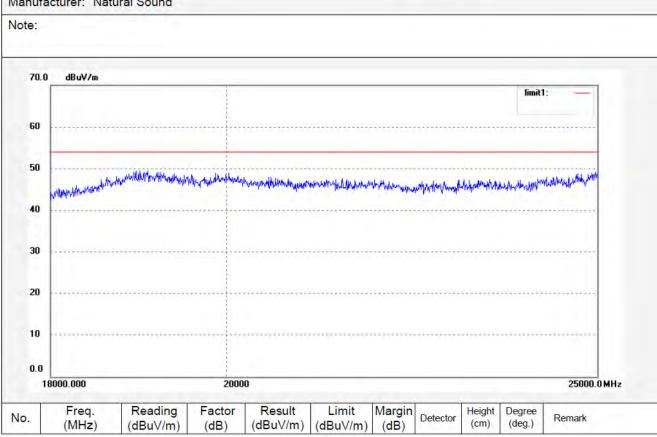
Mode: TX Channel 6 (802.11n)40MHz

PC436 Model:

Manufacturer: Natural Sound

Polarization: Vertical Power Source: USB 5V

Date: 13/3/5/ Time: 13:25:42 Engineer Signature:





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

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

Job No.: Alen #692 Standard: FCC 15C

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

TX Channel 3 (802.11n)40MHz Mode:

Manufacturer: Natural Sound

PC436 Model:

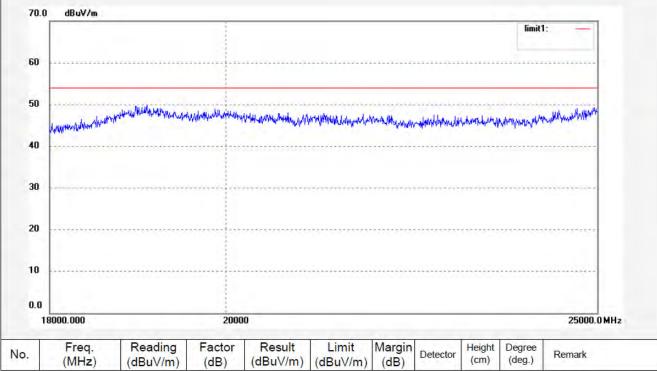
Date: 13/3/5/ Time: 13:28:59 Engineer Signature:

Power Source: USB 5V

Polarization:

Vertical







F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: Alen #693 Standard: FCC 15C

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 3 (802.11n)40MHz

Model: PC436

Manufacturer: Natural Sound

Polarization: Horizontal Power Source: USB 5V

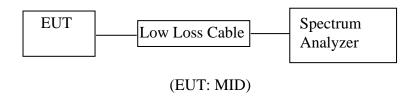
Date: 13/3/5/ Time: 13:32:35

Engineer Signature: Alen



10. CONDUCTED SPURIOUS EMISSION COMPLIANCE TEST

10.1.Block Diagram of Test Setup



10.2. 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).

10.3.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.

10.3.1. MID (EUT)

Model Number : PC436 Serial Number : N/A

Manufacturer : ShenZhen Natural Sound Electronics Co., Ltd

10.4. Operating Condition of EUT

- 10.4.1. Setup the EUT and simulator as shown as Section 10.1.
- 10.4.2.Turn on the power of all equipment.
- 10.4.3.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.

10.5.Test Procedure

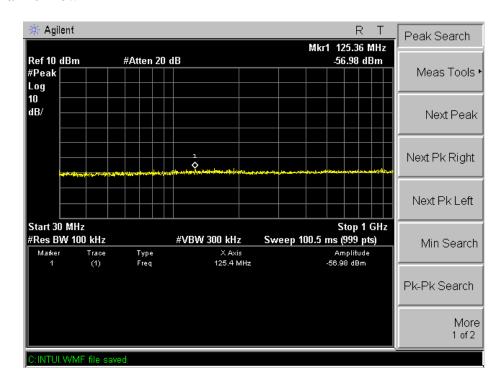
- 10.5.1. The transmitter output was connected to the spectrum analyzer via a low loss cable.
- 10.5.2.Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz.
- 10.5.3. The Conducted Spurious Emission was measured and recorded.

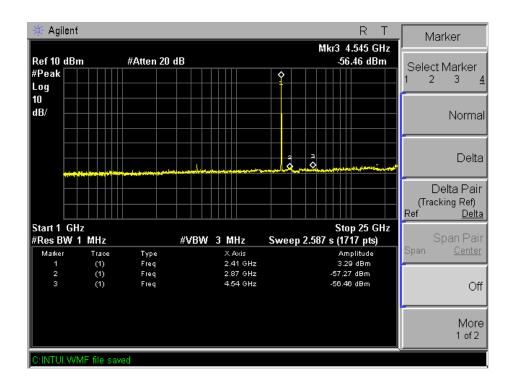
10.6.Test Result

Pass.

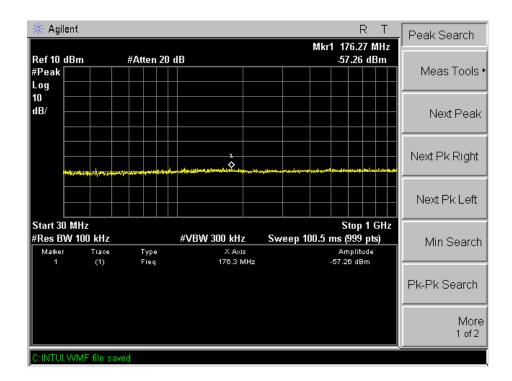
The spectrum analyzer plots are attached as below.

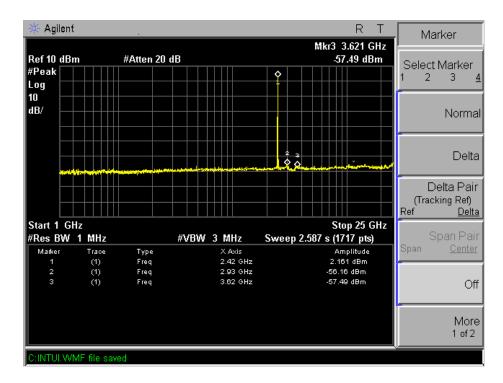
TX 802.11b Channel Low 2412MHz



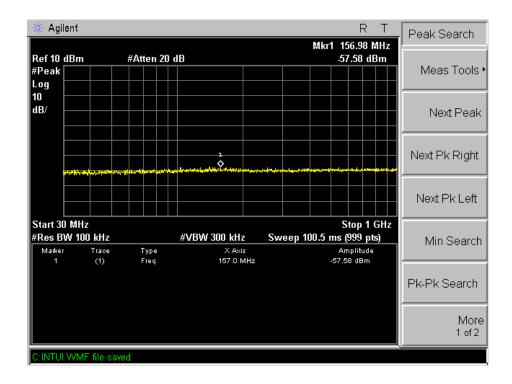


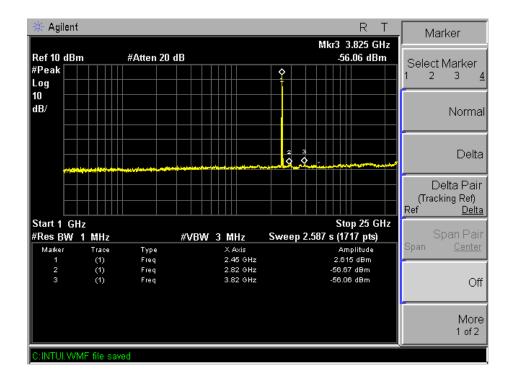
TX 802.11b Channel Middle 2437MHz



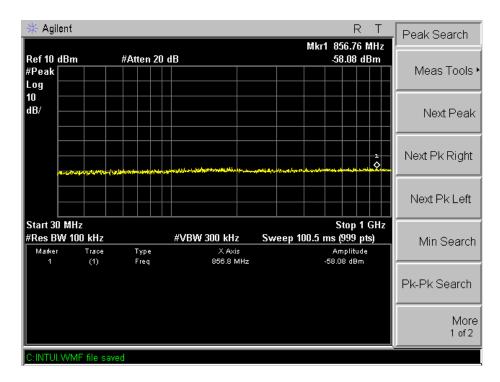


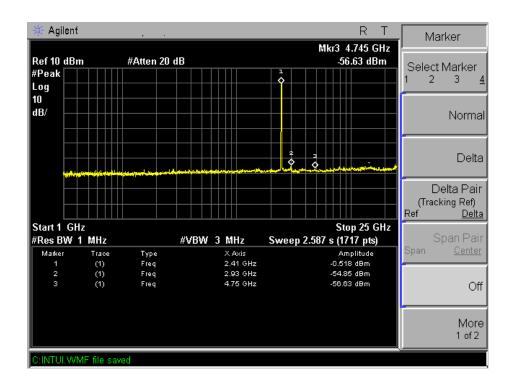
TX 802.11b Channel High 2462MHz



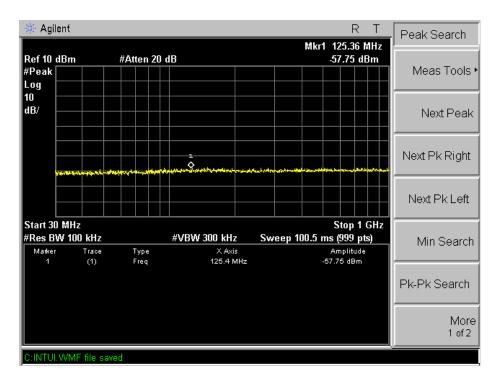


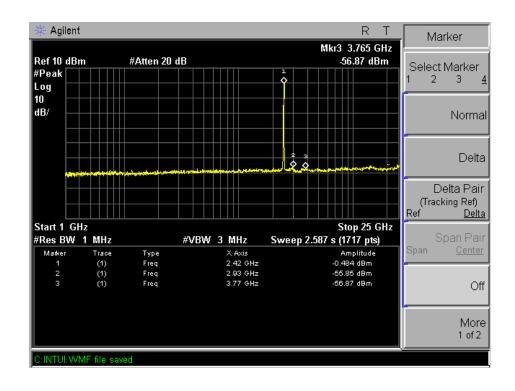
TX 802.11g Channel Low 2412MHz



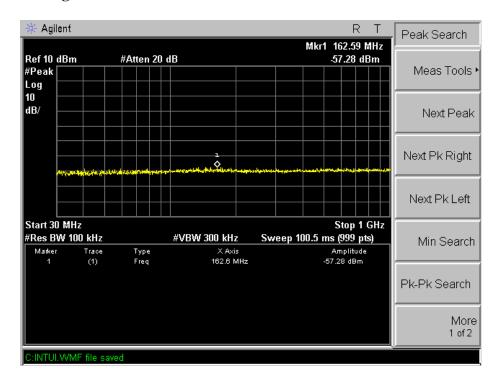


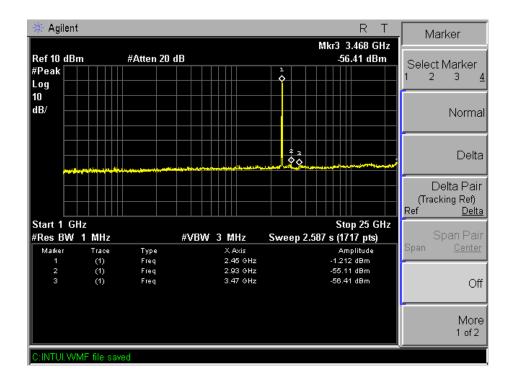
TX 802.11g Channel Middle 2437MHz



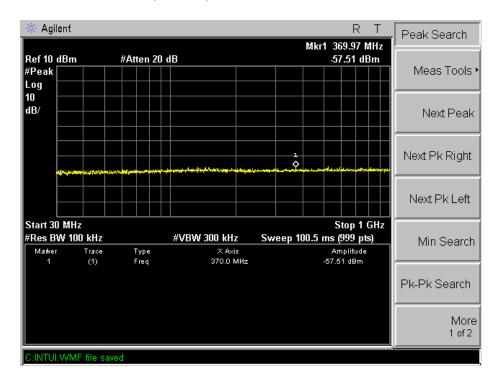


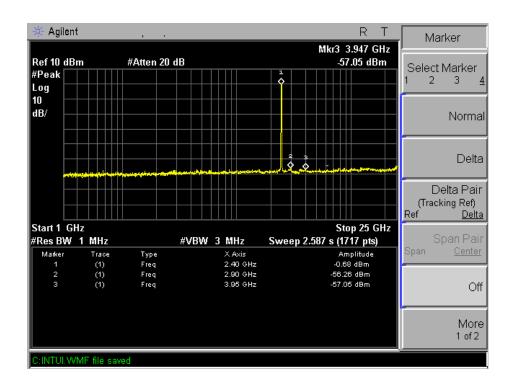
TX 802.11g Channel High 2462MHz



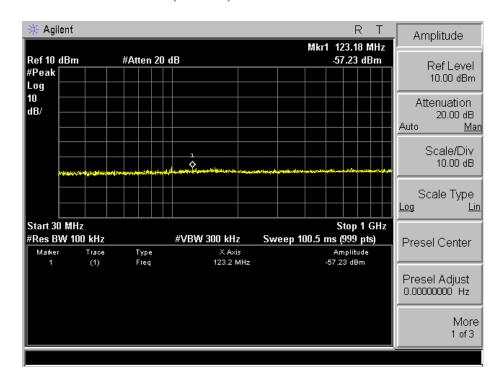


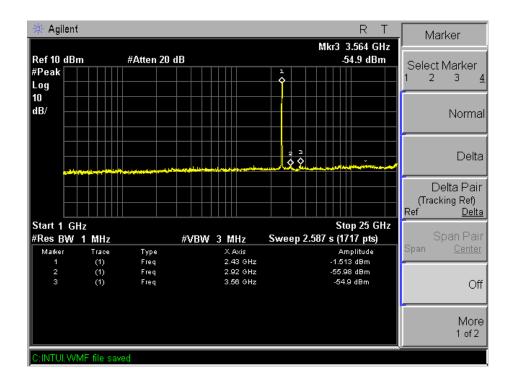
TX 802.11n Channel Low 2412MHz (20MHz)



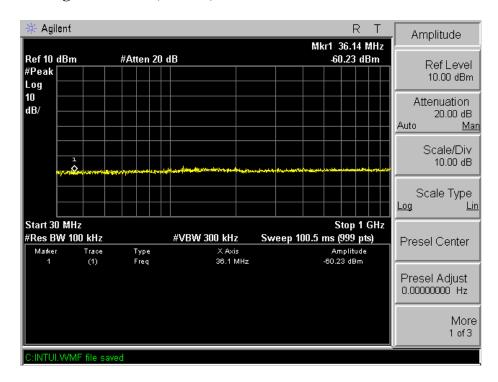


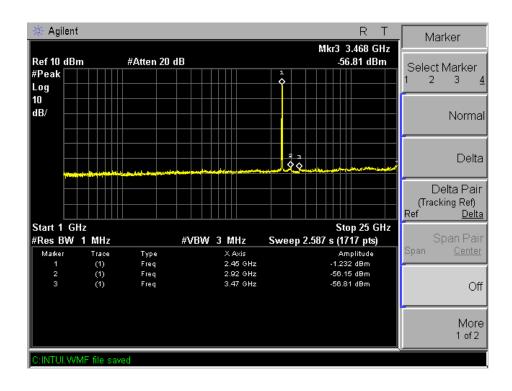
TX 802.11n Channel Middle 2437MHz (20MHz)



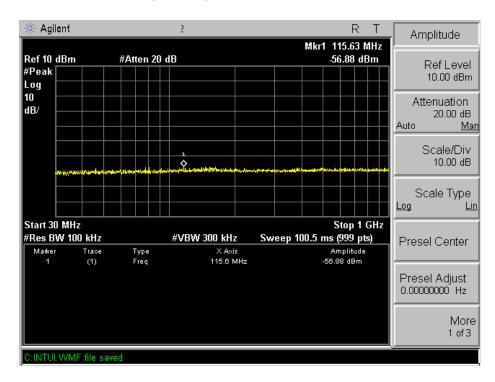


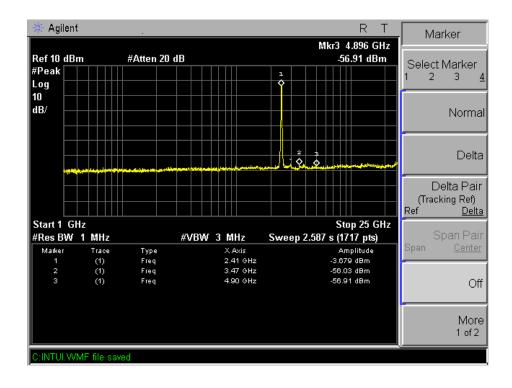
TX 802.11n Channel High 2462MHz (20MHz)



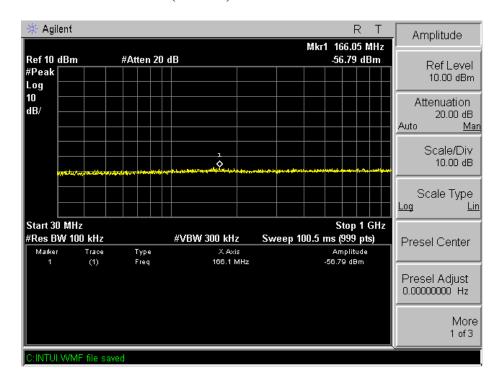


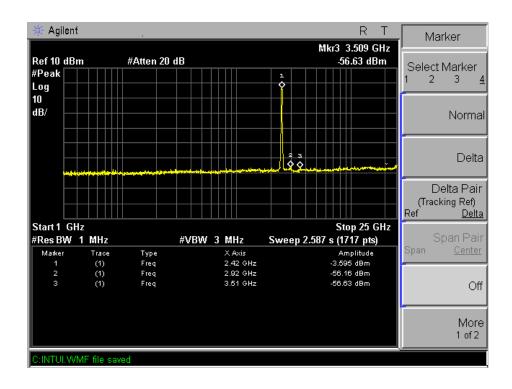
TX 802.11n Channel Low 2422MHz (40MHz)



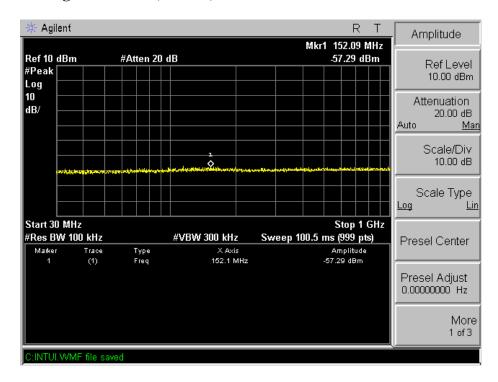


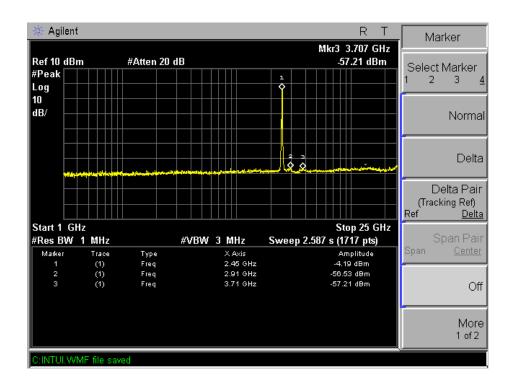
TX 802.11n Channel Middle 2437MHz (40MHz)





TX 802.11n Channel High 2452MHz (40MHz)

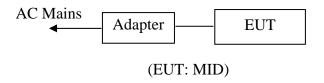




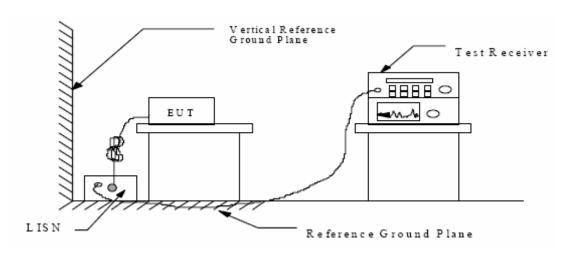
11.AC POWER LINE CONDUCTED EMISSION FOR FCC PART 15 SECTION 15.207(A)

11.1.Block Diagram of Test Setup

11.1.1.Block diagram of connection between the EUT and simulators



11.1.2.Shielding Room Test Setup Diagram



(EUT: 10 inch Tablet PC)

11.2. The Emission Limit

11.2.1.Conducted Emission Measurement Limits According to Section 15.207(a)

Frequency	Limit dB(µV)				
(MHz)	Quasi-peak Level	Average Level			
0.15 - 0.50	66.0 - 56.0 *	56.0 – 46.0 *			
0.50 - 5.00	56.0	46.0			
5.00 - 30.00	60.0	50.0			

^{*} Decreases with the logarithm of the frequency.

11.3. Configuration of EUT on Measurement

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

11.3.1. MID (EUT)

Model Number : PC436 Serial Number : N/A

Manufacturer : ShenZhen Natural Sound Electronics Co., Ltd

11.4. Operating Condition of EUT

11.4.1. Setup the EUT and simulator as shown as Section 11.1.

11.4.2. Turn on the power of all equipment.

11.4.3.Let the EUT work in TX (Charging) mode measure it.

11.5.Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 500hm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2003 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9 kHz.

The frequency range from 150 kHz to 30MHz is checked.

11.6.Power Line Conducted Emission Measurement Results **PASS.**

The frequency range from 150 kHz to 30MHz is checked.

Date of Test: Mar 8, 2013 Temperature: 25°C

EUT: MID Humidity: 50%

Model No.: PC436 Power Supply: AC 120V/60Hz

Test Mode: operation Test Engineer: Allen

Frequency	Result	Limit	Margin	Detector	Line
(MHz)	(dBµV)	(dBµV)	(dB)		
0.150000	40.20	66	25.8	QP	
0.369752	30.60	59	27.9	QP	
3.960370	29.70	56	26.3	QP	
0.185344	39.70	54	14.5	AV	Neutral
3.030938	30.00	46	16.0	AV	
3.527427	30.00	46	16.0	AV	
0.150000	43.20	66	22.8	QP	
0.371231	35.70	59	22.8	QP	
1.300259	34.00	56	22.0	QP	<u>.</u>
0.185344	42.50	54	11.7	AV	Live
0.555583	34.90	46	11.1	AV	
1.052309	34.90	46	11.1	AV	

Emissions attenuated more than 20 dB below the permissible value are not reported. The spectral diagrams are attached as below.

CONDUCTED EMISSION STANDARD FCC PART 15 B

MID M/N:PC436 EUT: Manufacturer: Natural Sound Operating Condition: Operation Test Site: 1#Shielding Room

Operator: ALEN Test Specification: N 120V/60Hz

Report No.:ATE20130316185 03/8/2013 / 4:12:21AM Comment: Start of Test:

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

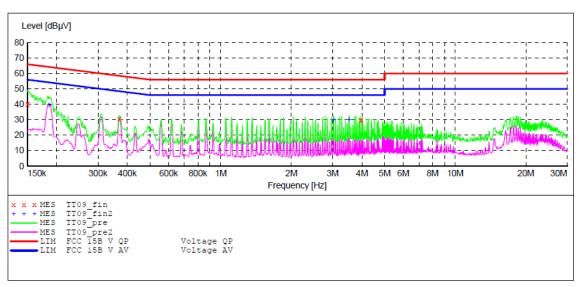
SUB STD VTERM2 1.70 Short Description:

Start Stop Step Detector Meas. ΙF Transducer

Bandw. Width Time

Frequency Frequency 150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008

Average



MEASUREMENT RESULT: "TT09 fin"

0	3/8/2013 4:	14AM						
	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dΒμV	dB	dΒμV	dB			
	0.150000	40.20	11.0	66	25.8	QP	N	GND
	0.369752	30.60	11.7	59	27.9	QP	N	GND
	3.960370	29.70	11.5	56	26.3	QP	N	GND

MEASUREMENT RESULT: "TT09 fin2"

0	3/8/2013 4:1	4AM						
	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dΒμV	dB	dΒμV	dB			
	0.185344	39.70	11.2	54	14.5	AV	N	GND
	3.030938	30.00	11.6	46	16.0	AV	N	GND
	3.527427	30.00	11.5	46	16.0	AV	N	GND

CONDUCTED EMISSION STANDARD FCC PART 15 B

MID M/N:PC436 Manufacturer: Natural Sound Operating Condition: Operation Test Site: 1#Shielding Room

Operator: ALEN

Test Specification: L 120V/60Hz

Report No.:ATE20130316 03/8/2013 / 4:15:38AM Comment: Start of Test:

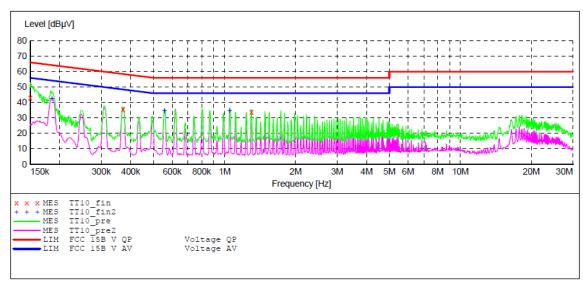
SCAN TABLE: "V 150K-30MHz fin" Short Description: SUB S

SUB STD VTERM2 1.70

Detector Meas. IF Time Bandw. Stop Start Step Transducer Frequency Frequency Width 150.0 kHz 30.0 MHz 0.8 %

9 kHz QuasiPeak 1.0 s NSLK8126 2008

Average



MEASUREMENT RESULT: "TT10 fin"

03/8/2013 4:	18AM						
Frequency MHz			Limit dBµV	Margin dB	Detector	Line	PE
0.150000	43.20	11.0	66	22.8	QP	L1	GND
0.371231	35.70	11.8	59	22.8	QP	L1	GND
1.300259	34.00	11.8	56	22.0	QP	L1	GND

MEASUREMENT RESULT: "TT10 fin2"

03/8/2	013 4:18	BAM						
Fre	quency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dΒμV	dB	dΒμV	dB			
0.	185344	42.50	11.2	54	11.7	AV	L1	GND
0.	555583	34.90	12.0	46	11.1	AV	L1	GND
1.	052309	34.90	11.8	46	11.1	AV	L1	GND

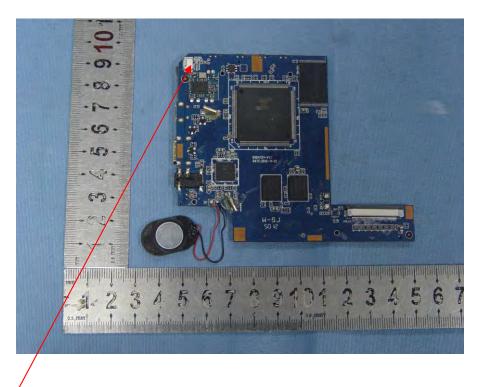
12.ANTENNA REQUIREMENT

12.1.The Requirement

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

12.2.Antenna Construction

Device is equipped with unique antenna, which isn't displaced by other antenna. Therefore, the equipment complies with the antenna requirement of Section 15.203.



Antenna