

FCC PART 15B TEST REPORT  
On Behalf of  
OpenVox Communication Co., Ltd.

Digital Voice Board  
Model No.: DE430P , DE130P, DE230P

Prepared for : OpenVox Communication Co., Ltd.  
Address : F/3, Building No. 127, Jindi Industrial Zone, Futian District,  
Shenzhen, Guangdong, China

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Report Number : 201202806F  
Date of Test : Feb. 29~Mar. 15, 2012  
Date of Report : Mar. 15, 2012

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APPENDIX I (Photos of EUT) (6 Pages)

## TEST REPORT VERIFICATION

Applicant : OpenVox Communication Co., Ltd.  
Manufacturer : OpenVox Communication Co., Ltd.  
EUT : Digital Voice Board  
Model No. : DE430P, DE130P, DE230P  
Rating : 3.3VDC/2.24A, 5VDC/0.1A  
Trade Mark : N.A.

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart B 2010 & FCC / ANSI C63.4-2009

The device described above is tested by Anbotek Compliance Laboratory Limited To determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B Class B limits both radiated and conducted emissions. The measurement results are contained in this test report and Anbotek Compliance Laboratory Limited 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 Anbotek Compliance Laboratory Limited

Date of Test : Feb. 29~Mar. 15, 2012

Prepared by : Well Wang  
(Engineer/ Well Wang)

Reviewer : Jerry Du  
(Project Manager/ Jerry Du)

Approved & Authorized Signer : Henry. Yang  
(Manager/ Henry Yang)

## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

Description : Digital Voice Board

Model Number : DE430P , DE130P, DE230P  
(Note: The above samples are same except the model number & shape of appliances, so we prepare "DE430P" for FCC test only.)

Test Power Supply : 3.3VDC/2.24A ,5VDC/0.1A

Applicant : OpenVox Communication Co., Ltd.

Address : F/3, Building No. 127, Jindi Industrial Zone, Futian District, Shenzhen, Guangdong, China

Manufacturer : OpenVox Communication Co., Ltd.

Address : F/3, Building No. 127, Jindi Industrial Zone, Futian District, Shenzhen, Guangdong, China

Date of Sample received : Feb. 29, 2012

Date of Test : Feb. 29~Mar. 15, 2012

## 1.2. Auxiliary Equipment Used during Test

|                       |   |
|-----------------------|---|
| PC                    | : Manufacturer: DELL<br>M/N: OPTIPLEX 380<br>S/N: 1J63X2X<br>CE , FCC: DOC                                      |
| MONITOR               | : Manufacturer: DELL<br>M/N: E170Sc<br>S/N: CN-00V539-64180-055-0UPS<br>CE , FCC: DOC                           |
| KEYBOARD              | : Manufacturer: DELL<br>M/N: SK-8115<br>S/N: CN-0DJ313-71616-06C-02XN<br>CE , FCC: DOC<br>Cable: 1m, unshielded |
| MOUSE                 | : Manufacturer: DELL<br>M/N: M-UARDEL7<br>S/N: N/A<br>CE , FCC: DOC<br>Cable: 1m, unshielded                    |
| Printer               | : Manufacturer:Brother<br>M/N: MFC-3360C<br>S/N: N/A<br>CE, FCC:DOC   |
| Power Line            | : 1.5m, unshielded  |
| VGA Cable             | : 1.5m, unshielded  |
| USB Cable             | : 1m, unshielded  |
| gigabit-network Cable | : 10m, unshielded   |

### 1.3. Description of Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

#### **CNAS - LAB Code: L3503**

Anbotek Compliance Laboratory Limited., Laboratory has been assessed and in compliance with CNAS/CL01: 2006 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of Testing Laboratories.

#### **FCC-Registration No.: 752021**

Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 752021, August 20, 2010

#### **IC-Registration No.: 8058A-1**

Anbotek Compliance Laboratory Limited., EMC Laboratory has been registered and fully described in a report filed with the (IC) Industry Canada. The acceptance letter from the IC is maintained in our files. Registration 8058A-1, August 30, 2010

#### **Test Location**

All Emissions tests were performed

Anbotek Compliance Laboratory Limited. at 1/F, 1/Build, SEC Industrial Park, No. 4 Qianhai Road, Nanshan District, Shenzhen, 518054, China

### 1.4. Measurement Uncertainty

Radiation Uncertainty : Ur = 4.3dB

Conduction Uncertainty : Uc = 3.4dB

### 1.5. Test Summary

For the EUT described above. The standards used were FCC Part 15 Subpart B for Emissions.

Table 1 : Tests Carried Out Under FCC Part 15 Subpart B

| Standard              | Test Items   | Status |
|-----------------------|--|--------|
| FCC Part 15 Subpart B | Power Line Conducted Emission Test (150KHz To 30MHz) | ✓      |
| FCC Part 15 Subpart B | Radiated Emission Test                               | ✓      |

✓ Indicates that the test is applicable

✗ Indicates that the test is not applicable

## 2. POWER LINE CONDUCTED MEASUREMENT

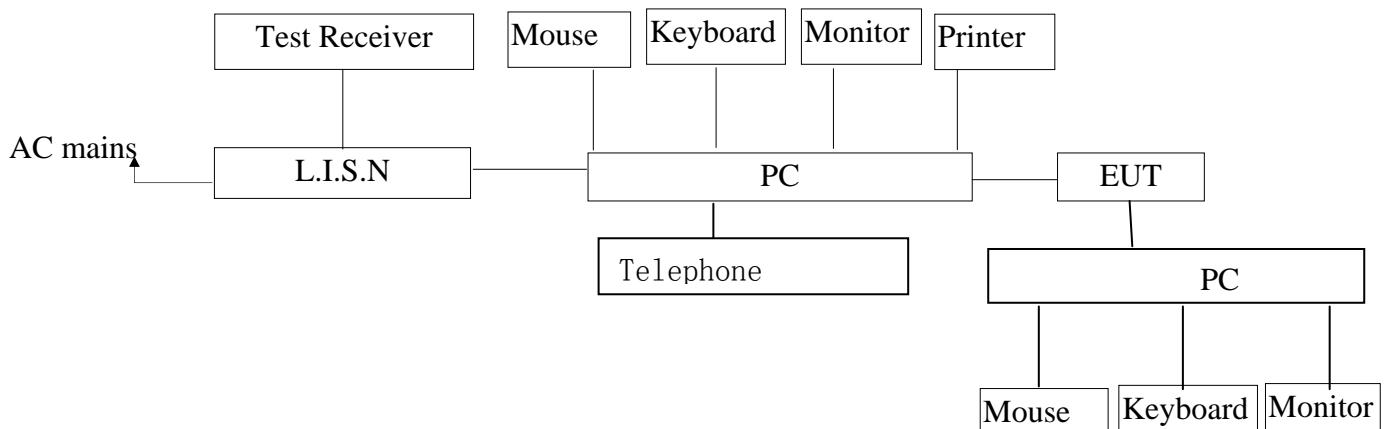
### 2.1. Test Equipment

The following test equipments are used during the power line conducted measurement:

| Item | Equipment          | Manufacturer         | Model No. | Serial No. | Last Cal.     | Cal. Interval |
|------|--------------------|----------------------|-----------|------------|---------------|---------------|
| 1.   | EMI Receiver       | Rohde & Schwarz      | ESCI      | 100627     | Nov. 12, 2011 | 1 Year        |
| 2.   | Two-Line V-network | Rohde & Schwarz      | ENV216    | 10055      | May 19, 2011  | 1 Year        |
| 3.   | RF Switching Unit  | Compliance Direction | RSU-M2    | 38303      | May 19, 2011  | 1 Year        |
| 4.   | EMI Test Software  | ES-K1                | N/A       | N/A        | N/A           | N/A           |

### 2.2. Block Diagram of Test Setup

#### 2.2.1. Block diagram of connection between the EUT and simulators



(EUT: Digital Voice Board)

### 2.3. Power Line Conducted Emission Measurement Limits (FCC Part 15)

#### Subpart B Class A)

| Frequency<br>MHz | Limits dB(μV)    |               |
|------------------|------------------|---------------|
|                  | Quasi-peak Level | Average Level |
| 0.15 ~ 0.50      | 79               | 66            |
| 0.50 ~ 5.00      | 73               | 60            |
| 5.00 ~ 30.00     | 73               | 60            |

Notes: 1. \*Decreasing linearly with logarithm of frequency.  
2. The lower limit shall apply at the transition frequencies.

## 2.4. Configuration of EUT on Measurement

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

EUT : Digital Voice Board  
Model Number : DE430P  
Applicant : OpenVox Communication Co., Ltd.

## 2.5. Operating Condition of EUT

- 2.5.1. Setup the EUT and simulator as shown as Section 2.2.
- 2.5.2. Turn on the power of all equipment and running the software: asterisk.
- 2.5.3. Let the EUT work in test mode (On) and measure it.

## 2.6. Test Procedure

The EUT system is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC line 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 FCC ANSI C63.4-2009 on Conducted Emission Measurement.

The bandwidth of test receiver (ESCI) set at 9KHz.

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

The test result are reported on Section 2.7.

## 2.7. Power Line Conducted Emission Measurement Results

**PASS.**

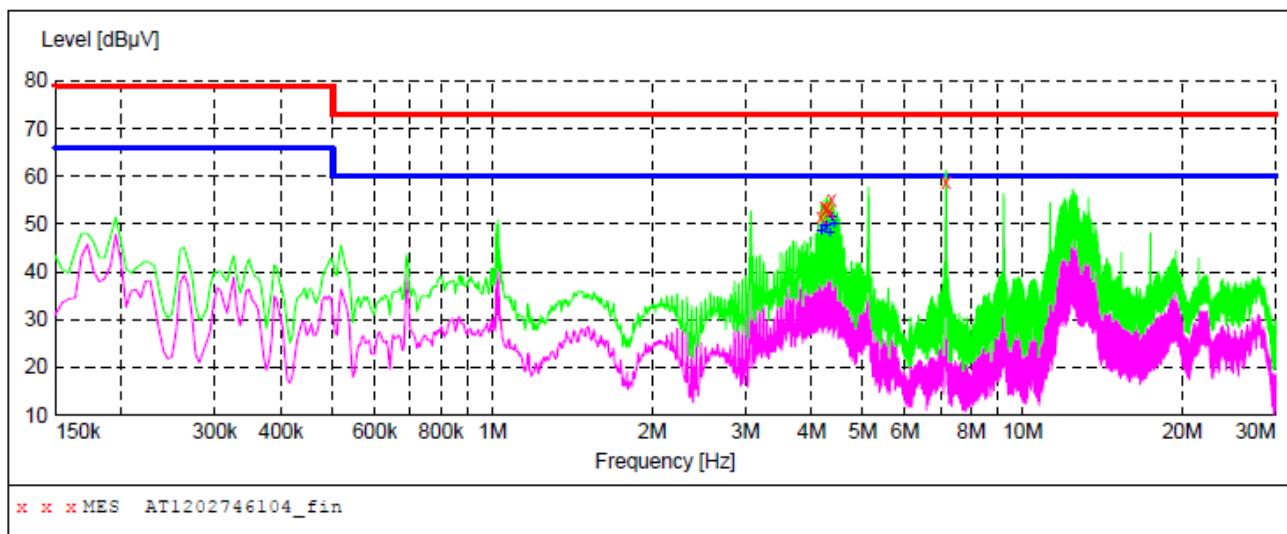
The frequency range from 150KHz to 30 MHz is investigated.

The test curves are shown in the following pages.

**CONDUCTED EMISSION TEST DATA**

EUT: Digital Voice Board M/N: DE430P  
 Operating Condition: On  
 Test Site: 1# Shielded Room  
 Operator: WELL WANG  
 Test Specification: 120V~, 60Hz for PC  
 Comment: L  
 Tem:25°C Hum:50%

**SCAN TABLE: "Voltage (150K~30M) FIN"**  
 Short Description: 150K-30M Disturbance Voltages

**MEASUREMENT RESULT: "AT1202746104\_fin"**

2/29/2012 11:16AM

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 4.172500         | 51.60               | 10.5         | 73                  | 21.4         | QP       | L1   | GND |
| 4.222000         | 53.50               | 10.5         | 73                  | 19.5         | QP       | L1   | GND |
| 4.271500         | 53.40               | 10.5         | 73                  | 19.6         | QP       | L1   | GND |
| 4.321000         | 52.70               | 10.5         | 73                  | 20.3         | QP       | L1   | GND |
| 4.366000         | 55.20               | 10.5         | 73                  | 17.8         | QP       | L1   | GND |
| 7.169500         | 58.70               | 10.5         | 73                  | 14.3         | QP       | L1   | GND |

**MEASUREMENT RESULT: "AT1202746102\_fin4"**

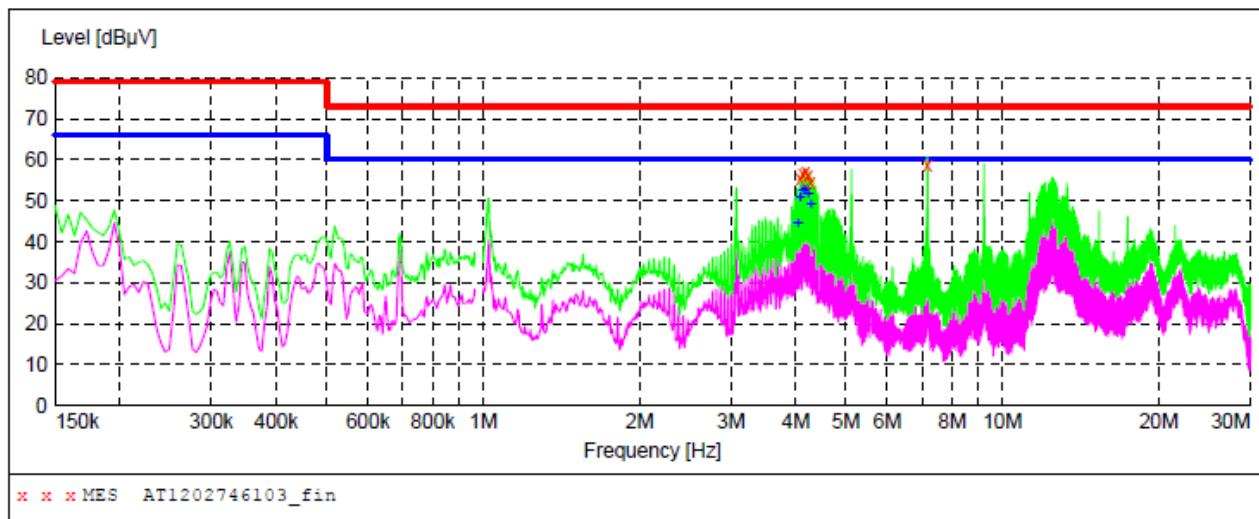
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| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 4.172500         | 48.50               | 10.5         | 60                  | 11.5         | AV       | L1   | GND |
| 4.222000         | 49.70               | 10.5         | 60                  | 10.3         | AV       | L1   | GND |
| 4.271500         | 49.50               | 10.5         | 60                  | 10.5         | AV       | L1   | GND |
| 4.321000         | 48.10               | 10.5         | 60                  | 11.9         | AV       | L1   | GND |
| 4.366000         | 51.30               | 10.5         | 60                  | 8.7          | AV       | L1   | GND |
| 4.415500         | 50.10               | 10.5         | 60                  | 9.9          | AV       | L1   | GND |

## CONDUCTED EMISSION TEST DATA

EUT: Digital Voice Board M/N:DE430P  
 Operating Condition: On  
 Test Site: 1# Shielded Room  
 Operator: WELL WANG  
 Test Specification: 120V~, 60Hz for PC  
 Comment: N  
 Tem:25°C Hum:50%

**SCAN TABLE: "Voltage (150K~30M) FIN"**  
 Short Description: 150K-30M Disturbance Voltages

**MEASUREMENT RESULT: "AT1202746103\_fin"**

2/29/2012 11:13AM

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 4.078000         | 55.40               | 10.5         | 73                  | 17.6         | QP       | N    | GND |
| 4.127500         | 56.50               | 10.5         | 73                  | 16.5         | QP       | N    | GND |
| 4.177000         | 56.90               | 10.5         | 73                  | 16.1         | QP       | N    | GND |
| 4.226500         | 56.40               | 10.5         | 73                  | 16.6         | QP       | N    | GND |
| 4.276000         | 54.70               | 10.5         | 73                  | 18.3         | QP       | N    | GND |
| 7.169500         | 58.60               | 10.5         | 73                  | 18.4         | QP       | N    | GND |

**MEASUREMENT RESULT: "AT1202746103\_fin2"**

2/29/2012 11:13AM

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 4.033000         | 44.30               | 10.5         | 60                  | 15.7         | AV       | N    | GND |
| 4.078000         | 50.70               | 10.5         | 60                  | 9.3          | AV       | N    | GND |
| 4.127500         | 52.40               | 10.5         | 60                  | 7.6          | AV       | N    | GND |
| 4.177000         | 52.70               | 10.5         | 60                  | 7.3          | AV       | N    | GND |
| 4.226500         | 51.50               | 10.5         | 60                  | 8.5          | AV       | N    | GND |
| 4.276000         | 49.10               | 10.5         | 60                  | 10.9         | AV       | N    | GND |

### 3. RADIATED EMISSION MEASUREMENT

#### 3.1. Test Equipment

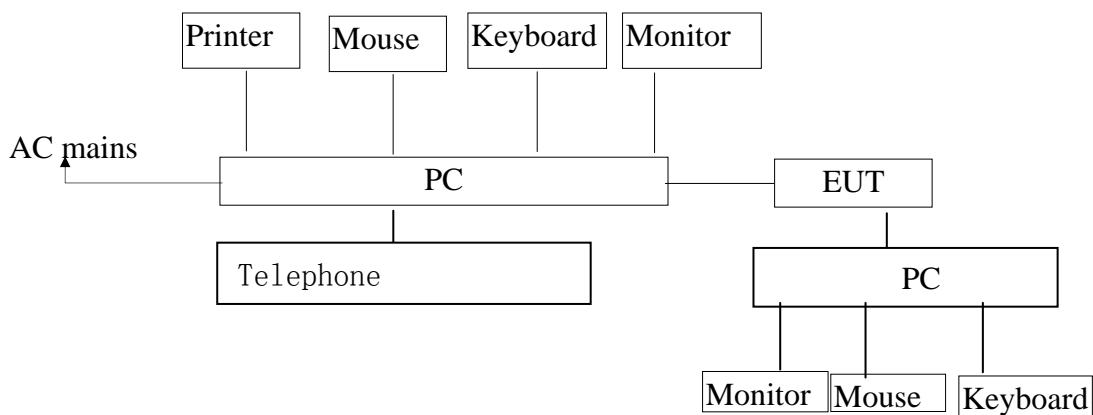
The following test equipments are used during the radiated emission measurement:

##### 3.1.1. For Anechoic Chamber

| Item | Equipment               | Manufacturer         | Model No. | Serial No. | Last Cal.     | Cal. Interval |
|------|-------------------------|----------------------|-----------|------------|---------------|---------------|
| 1    | EMI Test Receiver       | Rohde & Schwarz      | ESCI      | 100627     | Nov. 12, 2011 | 1 Year        |
| 2    | Bilog Broadband Antenna | Schwarzbeck          | VULB9163  | 100015     | May 17, 2011  | 1 Year        |
| 3    | RF Switching Unit       | Compliance Direction | RSU-M2    | 38303      | May 19, 2011  | 1 Year        |
| 4    | EMI Test Software       | ES-K1                | N/A       | N/A        | N/A           | N/A           |

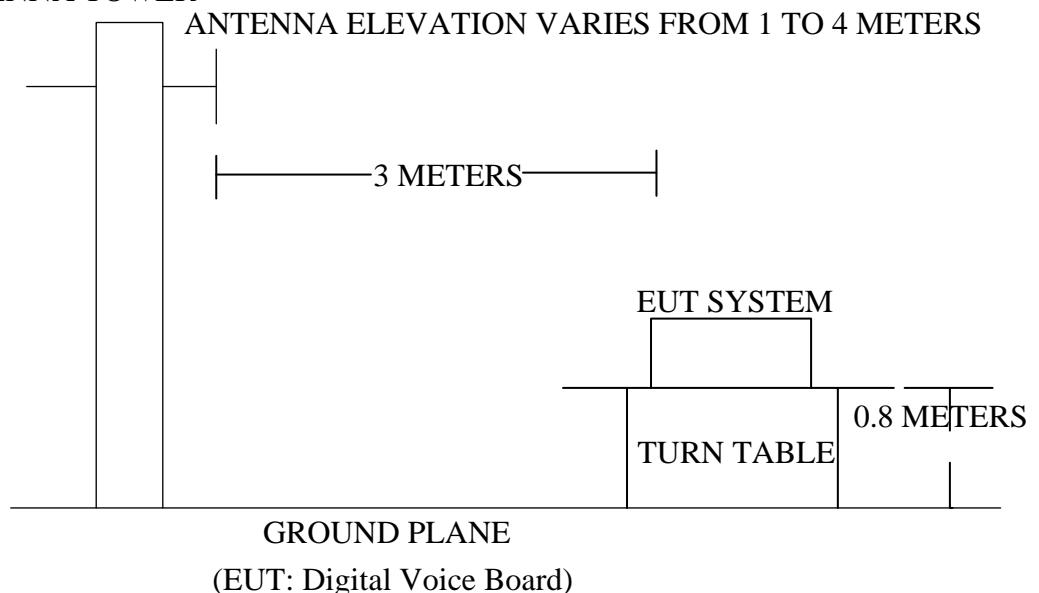
#### 3.2. Block Diagram of Test Setup

##### 3.2.1. Block diagram of connection between the EUT and simulators



## 3.2.2. Anechoic Chamber Test Setup Diagram

## ANTENNA TOWER



### 3.3. Radiated Emission Limit (Subpart B Class A)

| FREQUENCY<br>MHz | DISTANCE<br>Meters | FIELD STRENGTHS LIMIT |
|------------------|--------------------|-----------------------|
|                  |                    | dB( $\mu$ V)/m        |
| 30~88            | 3                  | 49.5                  |
| 88~216           | 3                  | 54                    |
| 216~960          | 3                  | 56.9                  |
| Above 960        | 3                  | 60                    |

Remark : (1) Emission level (dB) $\mu$ V = 20 log Emission level  $\mu$ V/m  
 (2) The smaller limit shall apply at the cross point between two frequency bands.  
 (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

### 3.4. EUT Configuration on Measurement

The following equipments 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.

EUT : Digital Voice Board  
 Model Number : DE430P  
 Applicant : OpenVox Communication Co., Ltd.

### 3.5. Operating Condition of EUT

- 3.5.1. Setup the EUT and simulator as shown as Section 3.2.
- 3.5.2. Turn on the power of all equipment and running the software: asterisk.
- 3.5.3. Let the EUT work in test mode (On) and measure it.

### 3.6. Test Procedure

EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground. The turn table 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 a 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 (Trilog Broadband Antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4-2009 on radiated emission measurement.

The bandwidth of the EMI test receiver (ESCI) is set at 120kHz.

The frequency range from 30MHz to 6000MHz is checked.

The test mode (On) is tested in chamber and all the test results are listed in Section 3.7.

### 3.7. Radiated Emission Measurement Results

**PASS.**

The test curves are shown in the following pages.



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|                     |                      |                  |               |                 |              |                 |          |             |              |        |
|---------------------|----------------------|------------------|---------------|-----------------|--------------|-----------------|----------|-------------|--------------|--------|
| Job No.:            | AT1202746F           | Polarization:    | Horizontal    |                 |              |                 |          |             |              |        |
| Standard:           | (RE)FCC PART15 B _3m | Power Source:    | DC 3.3V       |                 |              |                 |          |             |              |        |
| Test item:          | Radiation Test       | Date:            | 2012/03/02    |                 |              |                 |          |             |              |        |
| Temp.(C)/Hum.(%RH): | 24.3( C)/55%RH       | Time:            | 9:20:24       |                 |              |                 |          |             |              |        |
| EUT:                | Digital Voice Board  | Test By:         | Well Wang     |                 |              |                 |          |             |              |        |
| Model:              | DE430P               | Distance:        | 3m            |                 |              |                 |          |             |              |        |
| Mode:               | On                   |                  |               |                 |              |                 |          |             |              |        |
| Note:               |                      |                  |               |                 |              |                 |          |             |              |        |
|                     |                      |                  |               |                 |              |                 |          |             |              |        |
| No.                 | Freq. (MHz)          | Reading (dBuV/m) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV) | Over Limit (dB) | Detector | Height (cm) | degree (deg) | Remark |
| 1                   | 99.5281              | 71.08            | -29.56        | 41.52           | 54.00        | -12.48          | peak     |             |              |        |
| 2                   | 132.6850             | 74.03            | -31.67        | 42.36           | 54.00        | -11.64          | peak     |             |              |        |
| 3                   | 166.0680             | 74.81            | -31.28        | 43.53           | 54.00        | -10.47          | peak     |             |              |        |
| 4                   | 188.4125             | 72.31            | -29.61        | 42.70           | 54.00        | -11.30          | peak     |             |              |        |
| 5                   | 199.2855             | 74.84            | -29.39        | 45.45           | 54.00        | -8.55           | peak     |             |              |        |
| 6                   | 204.9551             | 74.28            | -29.20        | 45.08           | 54.00        | -8.92           | peak     |             |              |        |



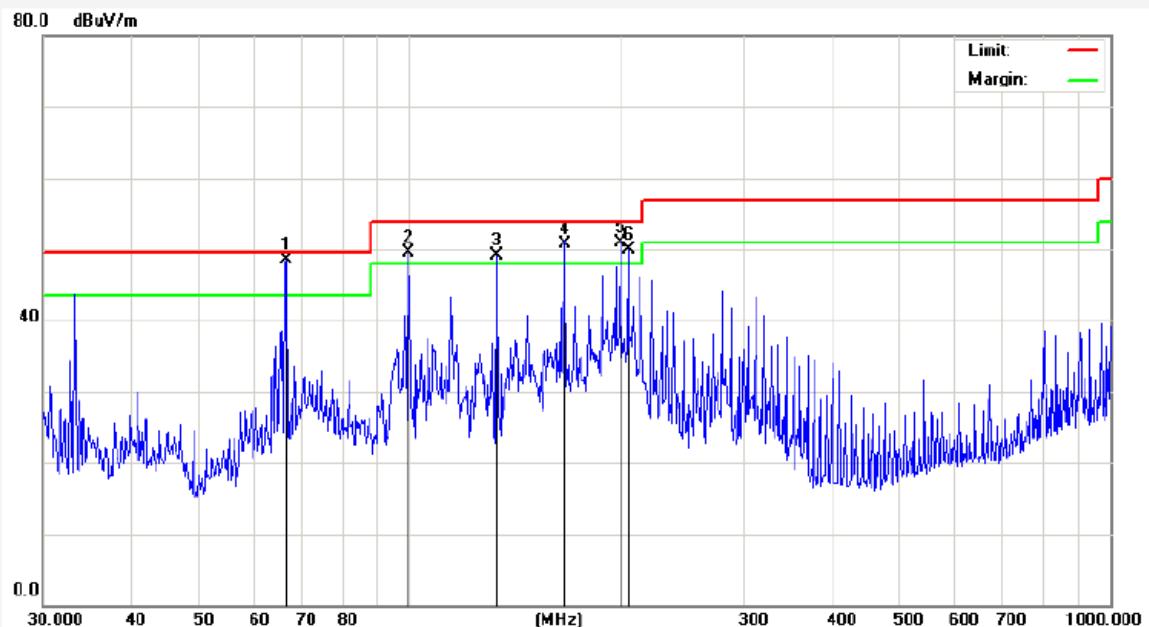
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|                     |                      |               |            |
|---------------------|----------------------|---------------|------------|
| Job No.:            | AT1202746F           | Polarization: | Vertical   |
| Standard:           | (RE)FCC PART15 B _3m | Power Source: | DC 3.3V    |
| Test item:          | Radiation Test       | Date:         | 2012/03/02 |
| Temp.(C)/Hum.(%RH): | 24.3( C)/55%RH       | Time:         | 9:22:39    |
| EUT:                | Digital Voice Board  | Test By:      | Well Wang  |
| Model:              | DE430P               | Distance:     | 3m         |
| Mode:               | On                   |               |            |

## Note:



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV) | Over Limit (dB) | Detector | Height (cm) | degree (deg) | Remark |
|-----|-------------|------------------|---------------|-----------------|--------------|-----------------|----------|-------------|--------------|--------|
| 1   | 66.4989     | 76.51            | -27.94        | 48.57           | 49.50        | -0.93           | QP       | 100         | 0            |        |
| 2   | 99.5281     | 74.14            | -24.56        | 49.58           | 54.00        | -4.42           | QP       | 100         | 360          |        |
| 3   | 132.6850    | 75.81            | -26.67        | 49.14           | 54.00        | -4.86           | QP       | 100         | 360          |        |
| 4   | 166.1480    | 76.94            | -26.28        | 50.66           | 54.00        | -3.34           | QP       | 100         | 0            |        |
| 5   | 199.2855    | 75.39            | -24.39        | 51.00           | 54.00        | -3.00           | QP       | 100         | 0            |        |
| 6   | 204.9551    | 74.13            | -24.20        | 49.93           | 54.00        | -4.07           | QP       | 100         | 360          |        |



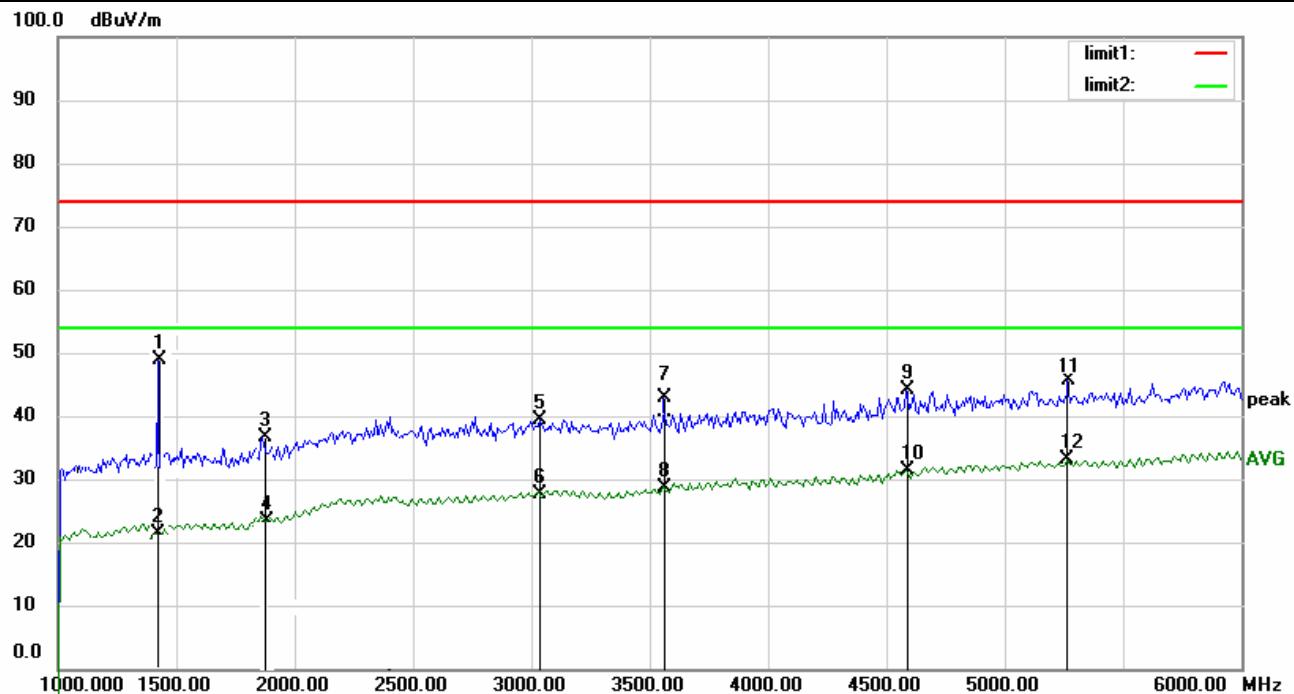
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|                     |                      |               |            |
|---------------------|----------------------|---------------|------------|
| Job No.:            | AT1202746F           | Polarization: | Horizontal |
| Standard:           | (RE)FCC PART15 B _3m | Power Source: | DC 3.3V    |
| Test item:          | Radiation Test       | Date:         | 2012/03/02 |
| Temp.(C)/Hum.(%RH): | 24.3( C)/55%RH       | Time:         | 9:29:58    |
| EUT:                | Digital Voice Board  | Test By:      | Well Wang  |
| Model:              | DE430P               | Distance:     | 3m         |
| Mode:               | On                   |               |            |

## Note:



| No. | Mk. | Freq.    | Reading | Level | Correct Factor | Measurement | Limit  | Over   |          |
|-----|-----|----------|---------|-------|----------------|-------------|--------|--------|----------|
|     |     | MHz      | dBuV    |       | dB             | dBuV/m      | dBuV/m | dB     | Detector |
| 1   |     | 1416.289 | 51.27   |       | -8.73          | 42.08       | 74.00  | -31.92 | peak     |
| 2   |     | 1416.289 | 37.40   |       | -8.73          | 28.63       | 54.00  | -25.37 | AVG      |
| 3   |     | 1883.159 | 46.60   |       | -8.16          | 38.44       | 74.00  | -35.56 | peak     |
| 4   |     | 1883.159 | 34.12   |       | -8.16          | 25.96       | 54.00  | -28.04 | AVG      |
| 5   |     | 3037.467 | 47.57   |       | -7.24          | 40.33       | 74.00  | -33.67 | peak     |
| 6   |     | 3037.467 | 36.24   |       | -7.24          | 29.00       | 54.00  | -25.00 | AVG      |
| 7   |     | 3571.762 | 48.00   |       | -6.54          | 41.46       | 74.00  | -32.54 | peak     |
| 8   |     | 3571.762 | 36.41   |       | -6.54          | 29.87       | 54.00  | -24.13 | AVG      |
| 9   |     | 4580.579 | 47.25   |       | -4.97          | 42.28       | 74.00  | -31.72 | peak     |
| 10  |     | 4580.579 | 36.19   |       | -4.97          | 31.22       | 54.00  | -22.78 | AVG      |
| 11  |     | 5264.274 | 48.10   |       | -3.17          | 44.83       | 74.00  | -29.17 | peak     |
| 12  |     | 5264.274 | 36.28   |       | -3.17          | 33.11       | 54.00  | -20.89 | AVG      |



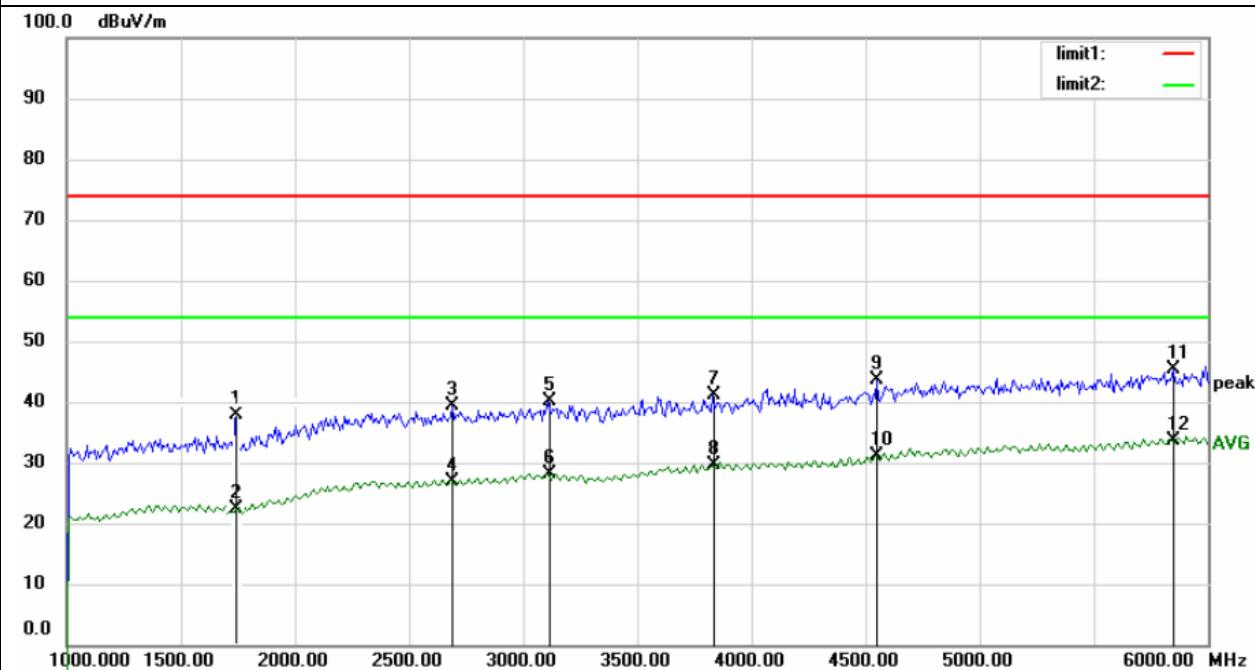
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|                     |                      |               |            |
|---------------------|----------------------|---------------|------------|
| Job No.:            | AT1202746F           | Polarization: | Vertical   |
| Standard:           | (RE)FCC PART15 B _3m | Power Source: | DC 3.3V    |
| Test item:          | Radiation Test       | Date:         | 2012/03/02 |
| Temp.(C)/Hum.(%RH): | 24.3( C)/55%RH       | Time:         | 9:32:20    |
| EUT:                | Digital Voice Board  | Test By:      | Well Wang  |
| Model:              | DE430P               | Distance:     | 3m         |
| Mode:               | On                   |               |            |

## Note:



| No. | Mk. | Freq.<br>MHz | Reading<br>dBuV | Level<br>dB | Correct Factor | Measurement<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Over<br>Detector |
|-----|-----|--------------|-----------------|-------------|----------------|-----------------------|-----------------|------------|------------------|
| 1   |     | 1756.231     | 49.27           | -8.73       |                | 40.05                 | 74.00           | -33.95     | peak             |
| 2   |     | 1756.231     | 35.46           | -8.73       |                | 26.73                 | 54.00           | -27.27     | AVG              |
| 3   |     | 2683.553     | 49.60           | -8.16       |                | 41.44                 | 74.00           | -32.56     | peak             |
| 4   |     | 2683.553     | 34.12           | -8.16       |                | 25.96                 | 54.00           | -28.04     | AVG              |
| 5   |     | 3110.357     | 49.61           | -7.24       |                | 42.37                 | 74.00           | -31.63     | peak             |
| 6   |     | 3110.357     | 38.24           | -7.24       |                | 31.00                 | 54.00           | -23.00     | AVG              |
| 7   |     | 3831.761     | 49.90           | -6.54       |                | 43.36                 | 74.00           | -30.64     | peak             |
| 8   |     | 3831.761     | 37.41           | -6.54       |                | 30.87                 | 54.00           | -23.13     | AVG              |
| 9   |     | 4540.521     | 47.25           | -4.97       |                | 42.28                 | 74.00           | -31.72     | peak             |
| 10  |     | 4540.521     | 36.20           | -4.97       |                | 31.23                 | 54.00           | -22.77     | AVG              |
| 11  |     | 5854.248     | 48.02           | -3.17       |                | 44.85                 | 74.00           | -29.15     | peak             |
| 12  |     | 5854.248     | 36.18           | -3.17       |                | 33.01                 | 54.00           | -20.99     | AVG              |