

Nicetex Electronic Ltd.

900MHz Transmitter and Receive (Speaker with USB)

Model Number: NE-511

Prepared for : Nicetex Electronic Ltd.  
Rm.22, 14/F., Block A, Hi-Tech Ind., Center, 5-21 Pak  
Tin Par Street Tsuen Wan.

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Report Number : ACS-F05065  
Date of Test : Feb.26~28, 2005  
Date of Report : Mar.16, 2005

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# TEST REPORT DECLARATION

Applicant : Nicetex Electronic Ltd.  
 Manufacturer : Mei Hua Electronics Factory  
 EUT Description : 900MHz Transmitter and Receive (Speaker with USB)  
 (A) MODEL NO. : NE-511  
 (B) SERIAL NO. : F2005031601  
 (C) POWER SUPPLY : DC 6V Adaptor Input 120V/60Hz

Test Procedure Used:

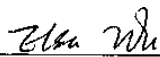
FCC Rules and Regulations Part 15 Subpart C Apr. 2004

The device described above is tested by Audix Technology (Shenzhen) 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 limits for radiated and conducted emissions. The test results are contained in this test report and Audix Technology (Shenzhen) Co., Ltd. is assumed full responsibility for the accuracy and completeness of tests. Also, this report shows that EUT is technically compliant with FCC requirements.

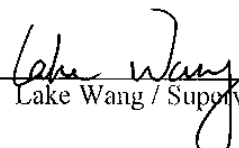
This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Audix Technology (Shenzhen) Co., Ltd.  
 This report must not be used by the applicant to claim product endorsement by NVLAP or any agency of the U.S. Government.

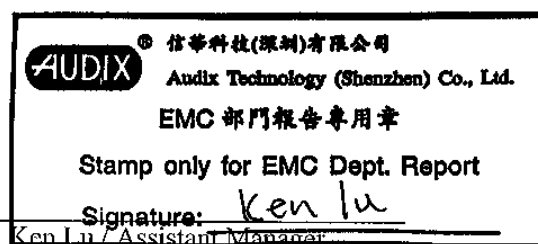
Date of Test : Feb.26~28, 2005

Prepared by :

  
 Elsa Wu / Assistant

Reviewer :

  
 Lake Wang / Supervisor



Approved & Authorized Signer :

Name of the Representative of the Responsible Party :

Signature :

## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

Description : 900MHz Transmitter and Receive (Speaker with USB)

Model Number : NE-511

Applicant : Nicetex Electronic Ltd.  
Rm.22, 14/F., Block A, Hi-Tech Ind., Center, 5-21 Pak  
Tin Par Street Tsuen Wan.

Manufacturer : Mei Hua Electronics Factory  
Kwan Chen Tow Village, Industrial Zone, Fung Gang,  
Dong Guan, China.

Date of Test : Feb.26~28, 2005

### 1.2. Tested Supporting System Details

#### 1.2.1. Power Adaptor

Model Number : 4824-0610-3DC

Manufacturer : Polg-Products

Cable : Unshielded, Undetachable, 1.7m

#### 1.2.2. PC

M/N : DIMENSION 2400

Manufacturer : DELL

#### 1.2.3. Monitor

M/N : E772f

Manufacturer : DELL

#### 1.2.4. Keyboard

M/N : 8371hd

Manufacturer : HP

Cable : Shielded, Undetachable, 1.6m

#### 1.2.5. Mouse

M/N : 367bc

Manufacturer : DELL

Cable : Shielded, Undetachable, 1.7m

1.2.6. Headphone

|              |   |                            |
|--------------|---|----------------------------|
| M/N          | : | MDR-505                    |
| Manufacturer | : | SONY                       |
| Cable        | : | Shielded, Detachable, 1.7m |

### 1.3. Test Facility

#### Site Description

|                           |   |                                                                                                            |
|---------------------------|---|------------------------------------------------------------------------------------------------------------|
| 3m Anechoic Chamber       | : | Certificated by FCC, USA<br>Registration Number: 90454<br>Aug. 15, 2003                                    |
| 3m & 10m Anechoic Chamber | : | Certificated by FCC, USA<br>Registration Number: 794232<br>Mar. 15, 2004                                   |
| EMC Lab.                  | : | Certificated by DATech, German<br>Registration Number: DAT-P-091/99-01<br>Feb. 02, 2004                    |
|                           |   | Certificated by NVLAP, USA<br>NVLAP Code: 200372-0<br>Mar. 31, 2004                                        |
|                           |   | Certificated by Nemko, Norway<br>Aut. No.: ELA135<br>April. 22, 2004                                       |
|                           |   | Certificated by Industry Canada<br>Registration Number: IC 5183<br>Jul. 28, 2004                           |
| Name of Firm              | : | Audix Technology (Shenzhen) Co., Ltd.                                                                      |
| Site Location             | : | No. 6, Ke Feng Rd., 52 Block,<br>Shenzhen Science & Industrial Park,<br>Nantou, Shenzhen, Guangdong, China |

### 1.4. Measurement Uncertainty

| No. | Item                                    | Uncertainty | Remark      |
|-----|-----------------------------------------|-------------|-------------|
| 1.  | Uncertainty for Conducted Emission Test | 1.22dB      |             |
| 2.  | Uncertainty for Radiated Emission Test  | 3.14dB      | 3m Chamber  |
| 3.  | Uncertainty for Radiated Emission Test  | 3.18dB      | 10m Chamber |
| 4.  | Uncertainty for Power Clamp Test        | 1.38dB      |             |

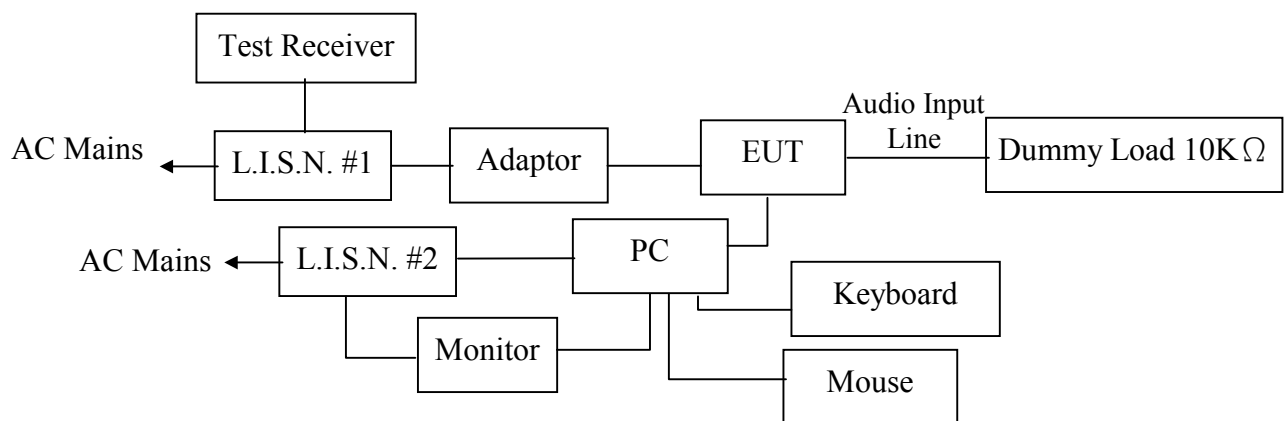
## 2. POWER LINE CONDUCTED EMISSION TEST

### 2.1. Test Equipment

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

| Item | Equipment      | Manufacturer    | Model No.    | Serial No.    | Last Cal.   | Cal. Interval |
|------|----------------|-----------------|--------------|---------------|-------------|---------------|
| 1    | Test Receiver  | Rohde & Schwarz | ESHS20       | 836600/006    | May 24, 04  | 1 Year        |
| 2    | L.I.S.N.#1     | Rohde & Schwarz | ENV4200      | 100041        | Aug 02, 04  | 1 Year        |
| 3    | L.I.S.N.#2     | Kyoritsu        | KNW-407      | 8-1628-5      | June 09, 04 | 1 Year        |
| 4    | L.I.S.N.#3     | Kyoritsu        | KNW-407      | 8-16356-1     | June 09, 04 | 1 Year        |
| 5    | Terminator     | Hubersuhner     | 50Ω          | No. 1         | May 24, 04  | 1 Year        |
| 6    | Terminator     | Hubersuhner     | 50Ω          | No. 2         | May 24, 04  | 1 Year        |
| 7    | RF Cable       | Fujikura        | RG-55/U      | LISN Cable 2# | Feb. 01, 05 | 1/2 Year      |
| 8    | Passive Probe  | Rohde & Schwarz | ESH2-Z3      | 299.7810.52   | May 24, 04  | 1 Year        |
| 9    | Coaxial Switch | Anritsu         | MP59B        | 6200298346    | Feb.01, 05  | 1/2 Year      |
| 10   | Pulse Limiter  | Rohde & Schwarz | ESH3-Z2      | 100341        | Feb.01, 05  | 1/2 Year      |
| 11   | PC             | N/A             | 586ATX       | N/A           | N/A         | N/A           |
| 12   | Printer        | HP              | Laserjet1300 | SGC13007093   | N/A         | N/A           |

### 2.2. Block Diagram of Test Setup



(EUT: 900MHz Transmitter and Receive (Speaker with USB))

### 2.3. Power Line Conducted Emission Limit

| Frequency       | Maximum RF Line Voltage          |                               |
|-----------------|----------------------------------|-------------------------------|
|                 | Quasi-Peak Level<br>dB( $\mu$ V) | Average Level<br>dB( $\mu$ V) |
| 150KHz ~ 500KHz | 66 ~ 56*                         | 56 ~ 46*                      |
| 500KHz ~ 5MHz   | 56                               | 46                            |
| 5MHz ~ 30MHz    | 60                               | 50                            |

Notes: 1. \* Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

### 2.4. EUT Configuration on Test

The following equipments are installed on RF LINE VOLTAGE Test to meet the Commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

#### 2.4.1. 900MHz Transmitter and Receive (Speaker with USB) (EUT)

Model Number : NE-511  
 Serial Number : F2005031601  
 Manufacturer : Mei Hua Electronics Factory

### 2.5. Operating Condition of EUT

2.5.1. Setup the EUT and simulator as shown on Section 2.2.

2.5.2. Turn on the power of all equipment.

2.5.3. Let the EUT work in test mode (TX(Lowest Frequency)/TX(Middle Frequency)/TX(Highest Frequency)) and measure it.

### 2.6. Test Procedure

The EUT is connected to the power mains through a line impedance stabilization network (L.I.S.N.#1). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.#2). This provides a 50 ohm coupling impedance for the EUT. Please refer the block diagram of the test setup and photographs. Power on the EUT and let it work normally, we use a keyboard test software, let EUT working in test mode, then test it. 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 C63.4-2001 on Conducted Emission Test.

The bandwidth of the field strength meter (R & S Test Receiver ESHS20) is set at 10KHz. The bandwidth of the VBW is set at 30KHz.

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

The details of test modes are as the followings, and the test data please see APPENDIX I.

## 2.7. Power Line Conducted Emission Test Results

**PASS.**

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

All emissions not reported below are too low against the prescribed limits.

|                |                                                      |              |                           |
|----------------|------------------------------------------------------|--------------|---------------------------|
| Date of Test:  | Feb.28, 2005                                         | Temperature: | 24.3°C                    |
| EUT:           | 900MHz Transmitter and Receive<br>(Speaker with USB) | Humidity:    | 56%                       |
| M/N:           | NE-511                                               | Test Mode:   | TX<br>(Highest Frequency) |
| Test Engineer: | Seco                                                 |              |                           |

| Frequency<br>(MHz) | Reading (dBμV) |         |            |         | Limit<br>(dBμV) |         |
|--------------------|----------------|---------|------------|---------|-----------------|---------|
|                    | VA             |         | VB         |         | Quasi-Peak      | Average |
|                    | Quasi-Peak     | Average | Quasi-Peak | Average |                 |         |
| 0.19               | 27.08          | 17.95   | 25.48      | 14.85   | 64.15           | 54.15   |
| 0.23               | 23.14          | 15.39   | 22.62      | 16.59   | 62.30           | 52.30   |
| 1.14               | 15.89          | 11.96   | N/A        | N/A     | 56.00           | 46.00   |
| 2.05               | N/A            | N/A     | 16.11      | 11.60   | 56.00           | 46.00   |
| 13.84              | 32.81          | 19.88   | 31.06      | 18.66   | 60.00           | 50.00   |
| 20.59              | 36.71          | 23.82   | 36.00      | 20.22   | 60.00           | 50.00   |
| 26.98              | 36.97          | 25.06   | N/A        | N/A     | 60.00           | 50.00   |

Remark: 1) If the data table appeared symbol of "N/A" means the value was too low to be measured.

2) If the data table appeared symbol of "\*" means the Q.P. value is under the limit for average, so, the average value had been omitted.

Reviewer: Chae Wang

### 3. RADIATED EMISSION TEST

#### 3.1. Test Equipment

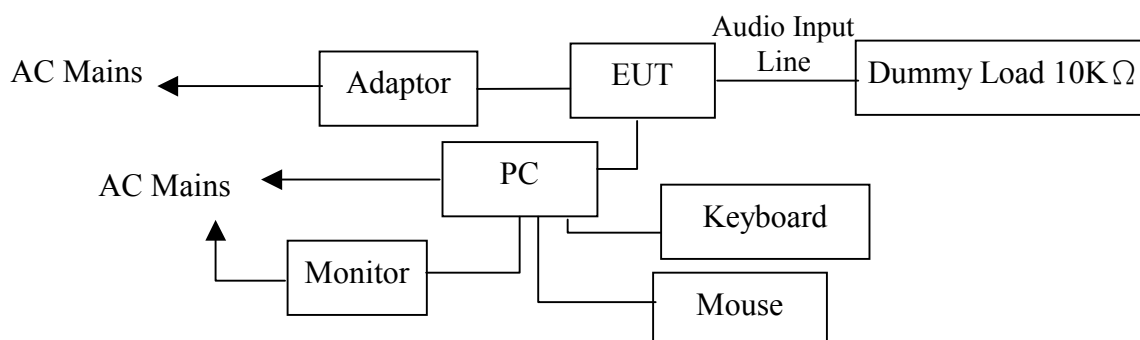
The following test equipments are used during the radiated emission Test :

##### 3.1.1. For Anechoic Chamber

| Item | Equipment      | Manufacturer    | Model No.  | Serial No.       | Last Cal.   | Cal. Interval |
|------|----------------|-----------------|------------|------------------|-------------|---------------|
| 1.   | EMI Spectrum   | HP              | 85422E     | 3625A00181       | May 24, 04  | 1 Year        |
| 2.   | Test Receiver  | Rohde & Schwarz | ESVS20     | 830350/005       | May 24, 04  | 1 Year        |
| 3.   | Amplifier      | HP              | 8447D      | 2944A07794       | Sep.16, 04  | 1/2 Year      |
| 4.   | Bilog Antenna  | Schaffner       | CBL6111C   | 2598             | Jan. 13, 04 | 1 Year        |
| 5.   | PC             | N/A             | 586ATX3    | N/A              | N/A         | N/A           |
| 6.   | Printer        | HP              | Laserjet6P | SGCF019673       | N/A         | N/A           |
| 7.   | RF Cable       | MIYAZAKI        | 5D-2W      | 10# Chamber No.1 | Jan.30, 05  | 1/2 Year      |
| 8.   | RF Cable       | MIYAZAKI        | 5D-2W      | 10# Chamber No.2 | Jan.30, 05  | 1/2 Year      |
| 9.   | RF Cable       | FUJIKURA        | RG-55/U    | 10# Chamber No.3 | Jan.30, 05  | 1/2 Year      |
| 10.  | RF Cable       | FUJIKURA        | RG-55/U    | 10# Chamber No.4 | Jan.30, 05  | 1/2 Year      |
| 11.  | Coaxial Switch | Anritsu         | MP59B      | M73989           | Nov.26, 04  | 1/2 Year      |
| 12.  | Spectrum       | Agilent         | E4407B     | MY41440292       | May 24, 04  | 1 Year        |
| 13.  | Amp            | HP              | 8449B      | 3008A00863       | May 24, 04  | 1 Year        |
| 14.  | Antenna        | EMCO            | 3115       | 9607-4877        | Jun. 15, 04 | 1.5 Year      |

#### 3.2. Block Diagram of Test Setup

##### 3.2.1. Block Diagram of connection between EUT and simulators

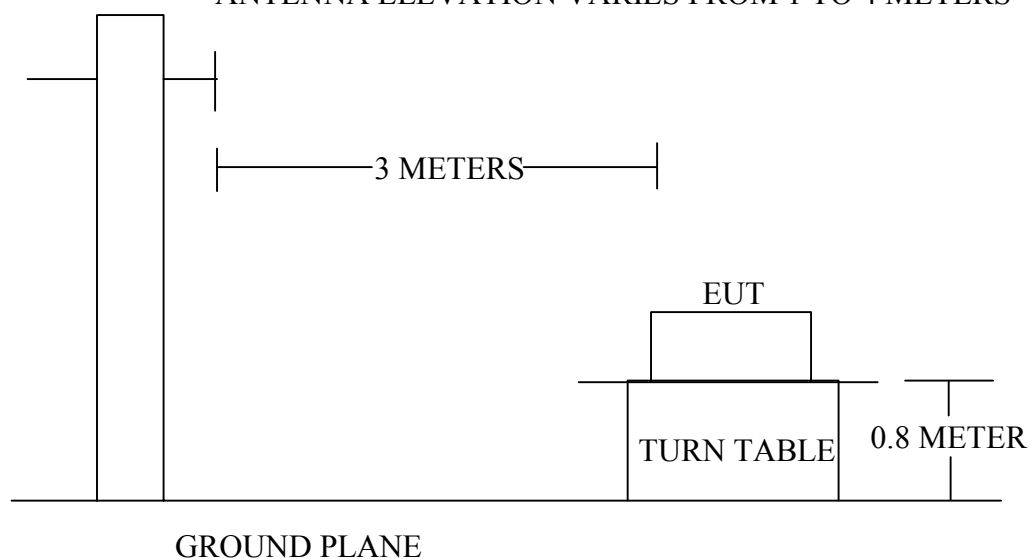


*(EUT: 900MHz Transmitter and Receive (Speaker with USB))*

## 3.2.2. Anechoic Chamber Setup Diagram

## ANTENNA TOWER

ANTENNA ELEVATION VARIES FROM 1 TO 4 METERS



## 3.3. Radiated Emission Limit 30~1000MHz Standard: FCC 15.249

| FREQUENCY<br>MHz  | DISTANCE<br>Meters | FIELD STRENGTHS LIMIT                                                                                       |                                   |
|-------------------|--------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------|
|                   |                    | $\mu\text{V/m}$                                                                                             | $\text{dB}(\mu\text{V})/\text{m}$ |
| 30 ~ 88           | 3                  | 100                                                                                                         | 40.0                              |
| 88 ~ 216          | 3                  | 150                                                                                                         | 43.5                              |
| 216 ~ 960         | 3                  | 200                                                                                                         | 46.0                              |
| 960 ~ 1000        | 3                  | 500                                                                                                         | 54.0                              |
| Local Oscillator: | 3                  | 94.0 $\text{dB}(\mu\text{V})/\text{m}$                                                                      |                                   |
| Above 1000        | 3                  | Other:<br>74.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak)<br>54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average) |                                   |

- Remark :
- (1) Emission level  $\text{dB}\mu\text{V} = 20 \log$  Emission level  $\mu\text{V/m}$
  - (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 Test

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

#### 3.4.1. 900MHz Transmitter and Receive (Speaker with USB) (EUT)

|               |   |                             |
|---------------|---|-----------------------------|
| Model Number  | : | NE-511                      |
| Serial Number | : | F2005031601                 |
| Manufacturer  | : | Mei Hua Electronics Factory |

### 3.5. Operating Condition of EUT

3.5.1. Setup the EUT as shown in Section 3.2..

3.5.2. Let the EUT work in test modes (TX(Lowest Frequency)/TX(Middle Frequency)/TX(Highest Frequency)) and test it.

### 3.6. Test Procedure

The 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. The EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 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 polarization of the antenna is set on Test. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4-2001 on radiated emission Test.

The bandwidth of the EMI test receiver (R&S ESVS20) is set at 120KHz for frequency range from 30MHz to 1000 MHz.

The bandwidth of the VBW is set at 300KHz and RBW is set at 120KHz for measurement below 1GHz.

The frequency range from 30MHz to 1000MHz and above 1000MHz are checked.

The test modes (TX(Lowest Frequency)/TX(Middle Frequency)/TX(Highest Frequency)) is tested in Anechoic Chamber and all the scanning waveforms are attached in Appendix II.

### 3.7. Radiated Emission Test Results

**PASS.**

The frequency range from 30MHz to 1000MHz is investigated.

Please see the following pages.

|                |                                                      |               |                          |
|----------------|------------------------------------------------------|---------------|--------------------------|
| Date of Test : | Feb.27, 2005                                         | Temperature : | 24°C                     |
| EUT :          | 900MHz Transmitter and<br>Receive (Speaker with USB) | Humidity :    | 56%                      |
| Model No. :    | NE-511                                               | Test Mode :   | Tx<br>(Lowest Frequency) |
| Test Engineer: | Seco                                                 |               |                          |

| Frequency<br>MHz | Antenna<br>Factor<br>dB/m | Cable<br>Loss<br>dB | Meter Reading<br>Horizontal<br>dBμV | Emission Level<br>Horizontal<br>dBμV/m | Over<br>Limits<br>dB | Limits<br>dBμV/m |
|------------------|---------------------------|---------------------|-------------------------------------|----------------------------------------|----------------------|------------------|
| 49.40            | 7.42                      | 0.98                | 22.64                               | 31.04                                  | -8.96                | 40.00            |
| 167.74           | 10.56                     | 2.07                | 22.87                               | 35.50                                  | -8.00                | 43.50            |
| 313.24           | 13.52                     | 2.91                | 21.00                               | 37.43                                  | -8.57                | 46.00            |
| 336.52           | 14.59                     | 3.05                | 21.64                               | 39.27                                  | -6.73                | 46.00            |
| 383.08           | 16.09                     | 3.34                | 17.68                               | 37.11                                  | -8.89                | 46.00            |
| <b>913.03</b>    | <b>22.51</b>              | <b>5.35</b>         | <b>62.50</b>                        | <b>90.36</b>                           | <b>-3.64</b>         | <b>94.00</b>     |

Remark: 1. All readings are Quasi-Peak values.

2. Emission Level = Antenna Factor + Cable Loss + Meter Reading

3. The worst emission was detected at 913.03MHz with corrected signal level of 90.36dBμV/m (Limit is 94.00dBμV/m) when the antenna was at horizontal polarization and at 1.3m high and the turn table was at 180°.

4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Reviewer:

Calke Wang

| Frequency     | Antenna      | Cable       | Meter Reading | Emission Level | Over         | Limits       |
|---------------|--------------|-------------|---------------|----------------|--------------|--------------|
| MHz           | Factor       | Loss        | Vertical      | Vertical       | Limits       |              |
|               | dB/m         | dB          | dBµV          | dBµV/m         | dB           | dBµV/m       |
| 49.40         | 6.26         | 0.98        | 21.83         | 29.07          | -10.93       | 40.00        |
| 167.74        | 8.09         | 2.07        | 24.07         | 35.04          | -8.46        | 43.50        |
| 313.24        | 13.54        | 2.91        | 20.38         | 36.83          | -9.17        | 46.00        |
| 336.52        | 14.11        | 3.05        | 21.89         | 39.04          | -6.96        | 46.00        |
| 383.08        | 15.61        | 3.34        | 16.52         | 35.48          | -10.52       | 46.00        |
| <b>913.03</b> | <b>22.88</b> | <b>5.35</b> | <b>61.65</b>  | <b>89.89</b>   | <b>-4.11</b> | <b>94.00</b> |

Remark: 1. All readings are Quasi-Peak values.  
2. Emission Level = Antenna Factor + Cable Loss + Meter Reading  
3. The worst emission was detected at 913.03MHz with corrected signal level of 89.89dBμV/m (Limit is 94.00dBμV/m) when the antenna was at vertical polarization and at 1.15m high and the turn table was at 0 ° .  
4. 0 ° was the table front facing the antenna. Degree is calculated from 0 ° clockwise facing the antenna.

Reviewer:

Cake Wang

| Frequency     | Antenna<br>Factor | Cable<br>Loss | Meter Reading<br>Horizontal | Emission Level<br>Horizontal | Over<br>Limits | Limits       |
|---------------|-------------------|---------------|-----------------------------|------------------------------|----------------|--------------|
| MHz           | dB/m              | dB            | dBμV                        | dBμV/m                       | dB             | dBμV/m       |
| 48.43         | 7.56              | 0.98          | 21.14                       | 29.68                        | -10.32         | 40.00        |
| 167.74        | 10.56             | 2.07          | 23.16                       | 35.78                        | -7.72          | 43.50        |
| 288.99        | 12.93             | 2.81          | 24.17                       | 39.92                        | -6.08          | 46.00        |
| 336.52        | 14.59             | 3.05          | 22.62                       | 40.25                        | -5.75          | 46.00        |
| 358.83        | 15.71             | 3.23          | 22.08                       | 41.02                        | -4.98          | 46.00        |
| <b>914.02</b> | <b>22.51</b>      | <b>5.35</b>   | <b>61.55</b>                | <b>89.42</b>                 | <b>-4.58</b>   | <b>94.00</b> |

Remark: 1. All readings are Quasi-Peak values.  
2. Emission Level = Antenna Factor + Cable Loss + Meter Reading  
3. The worst emission was detected at 914.02MHz with corrected signal level of 89.42dBμV/m (Limit is 94.00dBμV/m) when the antenna was at horizontal polarization and at 1.2m high and the turn table was at 180° .  
4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Cake Wang

| Frequency     | Antenna      | Cable       | Meter Reading | Emission Level | Over         | Limits       |
|---------------|--------------|-------------|---------------|----------------|--------------|--------------|
| MHz           | Factor       | Loss        | Vertical      | Vertical       | Limits       |              |
|               | dB/m         | dB          | dBμV          | dBμV/m         | dB           | dBμV/m       |
| 48.43         | 6.25         | 0.98        | 25.83         | 33.07          | -6.93        | 40.00        |
| 167.74        | 8.90         | 2.07        | 25.05         | 36.02          | -7.48        | 43.50        |
| 191.99        | 8.25         | 2.11        | 23.90         | 34.26          | -9.24        | 43.50        |
| 313.24        | 13.54        | 2.91        | 20.46         | 36.91          | -9.09        | 46.00        |
| 337.49        | 14.14        | 3.03        | 18.93         | 36.10          | -9.90        | 46.00        |
| <b>914.02</b> | <b>22.91</b> | <b>5.35</b> | <b>61.69</b>  | <b>89.95</b>   | <b>-4.05</b> | <b>94.00</b> |

2. Emission Level = Antenna Factor + Cable Loss + Meter Reading
3. The worst emission was detected at 914.02MHz with corrected signal level of 89.95dB $\mu$ V/m (Limit is 94.00dB $\mu$ V/m) when the antenna was at vertical polarization and at 1.12m high and the turn table was at 0 °.
4. 0 ° was the table front facing the antenna. Degree is calculated from 0 ° clockwise facing the antenna.

Cake Wang

| Frequency     | Antenna Factor | Cable Loss  | Meter Reading      | Emission Level       | Over Limits  | Limits       |
|---------------|----------------|-------------|--------------------|----------------------|--------------|--------------|
| MHz           | dB/m           | dB          | Horizontal<br>dBμV | Horizontal<br>dBμV/m | dB           | dBμV/m       |
| 48.43         | 7.56           | 0.98        | 22.91              | 31.45                | -8.55        | 40.00        |
| 167.74        | 10.56          | 2.07        | 23.82              | 36.45                | -7.05        | 43.50        |
| 191.99        | 9.21           | 2.11        | 25.17              | 36.49                | -7.01        | 43.50        |
| 313.24        | 13.52          | 2.91        | 22.39              | 38.81                | -7.19        | 46.00        |
| 336.52        | 14.59          | 3.05        | 22.65              | 40.29                | -5.71        | 46.00        |
| <b>916.20</b> | <b>22.57</b>   | <b>5.38</b> | <b>62.32</b>       | <b>90.27</b>         | <b>-3.73</b> | <b>94.00</b> |

Remark: 1. All readings are Quasi-Peak values.  
2. Emission Level = Antenna Factor + Cable Loss + Meter Reading  
3. The worst emission was detected at 916.20MHz with corrected signal level of 90.27dBμV/m (Limit is 94.00dBμV/m) when the antenna was at horizontal polarization and at 1.3m high and the turn table was at 180° .  
4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Cake Wang

| Frequency     | Antenna      | Cable       | Meter Reading | Emission Level | Over         | Limits       |
|---------------|--------------|-------------|---------------|----------------|--------------|--------------|
| MHz           | Factor       | Loss        | Vertical      | Vertical       | Limits       |              |
|               | dB/m         | dB          | dBµV          | dBµV/m         | dB           | dBµV/m       |
| 48.43         | 6.25         | 0.98        | 25.28         | 32.52          | -7.48        | 40.00        |
| 167.74        | 8.90         | 2.07        | 25.41         | 36.38          | -7.12        | 43.50        |
| 191.99        | 8.25         | 2.11        | 24.21         | 34.58          | -8.92        | 43.50        |
| 313.24        | 13.54        | 2.91        | 22.04         | 38.49          | -7.51        | 46.00        |
| 336.52        | 14.11        | 3.05        | 22.41         | 39.57          | -6.43        | 46.00        |
| <b>916.20</b> | <b>23.12</b> | <b>5.38</b> | <b>61.90</b>  | <b>90.40</b>   | <b>-3.60</b> | <b>94.00</b> |

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Remark: 1. All readings are Quasi-Peak values.

2. Emission Level = Antenna Factor + Cable Loss + Meter Reading

3. The worst emission was detected at 916.20MHz with corrected signal level of 90.40dBμV/m (Limit is 94.00dBμV/m) when the antenna was at vertical polarization and at 1.2m high and the turn table was at 0 °.

4. 0 ° was the table front facing the antenna. Degree is calculated from 0 ° clockwise facing the antenna.

Reviewer:

Cake Wang

|                |                                                      |               |                          |
|----------------|------------------------------------------------------|---------------|--------------------------|
| Date of Test : | Feb.26, 2005                                         | Temperature : | 24°C                     |
| EUT :          | 900MHz Transmitter and Receive<br>(Speaker with USB) | Humidity :    | 56%                      |
| Model No. :    | NE-511                                               | Test Mode :   | Tx<br>(Lowest Frequency) |
| Test Engineer: | Seco                                                 |               |                          |

| Frequency<br>MHz | Probe<br>Factor<br>dB/m | Preamp<br>Factor<br>dB/m | Cable<br>Loss<br>dB | Meter Reading<br>Horizontal<br>dBμV | Emission Level<br>Horizontal<br>dBμV/m | Over<br>Limits<br>dBμV/m | Limits<br>dBμV/m | Remark |
|------------------|-------------------------|--------------------------|---------------------|-------------------------------------|----------------------------------------|--------------------------|------------------|--------|
| 1199.750         | 24.80                   | 34.91                    | 2.96                | 56.80                               | 49.65                                  | -24.35                   | 74.00            | Peak   |
| 1458.250         | 25.30                   | 34.43                    | 3.21                | 56.50                               | 50.58                                  | -23.42                   | 74.00            | Peak   |
| 1826.060         | 27.16                   | 33.72                    | 1.54                | 60.38                               | 55.36                                  | -18.64                   | 74.00            | Peak   |
| 1904.750         | 27.57                   | 33.58                    | 1.16                | 50.02                               | 45.17                                  | -28.83                   | 74.00            | Peak   |
| 1963.500         | 27.88                   | 33.46                    | 0.86                | 51.98                               | 47.26                                  | -26.74                   | 74.00            | Peak   |
| 2739.090         | 30.09                   | 32.99                    | 4.17                | 58.38                               | 59.65                                  | -14.35                   | 74.00            | Peak   |

Remark: 1. All readings are Average and Peak values.  
2. Emission Level = Probe Factor + Meter Reading + Cable Loss - Preamp Factor  
3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

| Frequency<br>MHz | Probe<br>Factor<br>dB/m | Preamp<br>Factor<br>dB/m | Cable<br>Loss<br>dB | Meter Reading<br>Horizontal<br>dBμV | Emission Level<br>Horizontal<br>dBμV/m | Over<br>Limits<br>dBμV/m | Limits<br>dBμV/m | Remark  |
|------------------|-------------------------|--------------------------|---------------------|-------------------------------------|----------------------------------------|--------------------------|------------------|---------|
| 1199.750         | 24.80                   | 34.91                    | 2.96                | 50.45                               | 43.30                                  | -10.70                   | 54.00            | Average |
| 1458.250         | 25.30                   | 34.43                    | 3.21                | 49.02                               | 43.10                                  | -10.90                   | 54.00            | Average |
| 1826.060         | 27.16                   | 33.72                    | 1.54                | 50.42                               | 45.40                                  | -8.60                    | 54.00            | Average |
| 1904.750         | 27.57                   | 33.58                    | 1.16                | 46.95                               | 42.10                                  | -11.90                   | 54.00            | Average |
| 1963.500         | 27.88                   | 33.46                    | 0.86                | 46.82                               | 42.10                                  | -11.90                   | 54.00            | Average |
| 2739.090         | 30.09                   | 32.99                    | 4.17                | 44.13                               | 45.40                                  | -8.60                    | 54.00            | Average |

Remark: 1. All readings are Average and Peak values.  
2. Emission Level = Probe Factor + Meter Reading + Cable Loss - Preamp Factor  
3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Reviewer: Cake Wang

Date of Test : Feb.26, 2005 Temperature : 24°C  
EUT : 900MHz Transmitter and Receive Humidity : 56%  
(Speaker with USB)  
Model No. : NE-511 Test Mode : Tx  
(Lowest Frequency)  
Test Engineer: Seco

| Frequency | Probe  | Preamp | Cable | Meter Reading | Emission Level | Over   | Limits | Remark |
|-----------|--------|--------|-------|---------------|----------------|--------|--------|--------|
| MHz       | Factor | Factor | Loss  | Vertical      | Vertical       | Limits |        |        |
|           | dB/m   | dB/m   | dB    | dBμV          | dBμV/m         | dBμV/m | dBμV/m |        |
| 1198.000  | 24.80  | 34.91  | 2.96  | 58.71         | 51.56          | -22.44 | 74.00  | Peak   |
| 1468.000  | 25.34  | 34.40  | 3.22  | 57.07         | 51.23          | -22.77 | 74.00  | Peak   |
| 1826.060  | 27.16  | 33.72  | 1.54  | 63.43         | 58.41          | -15.59 | 74.00  | Peak   |
| 1963.000  | 27.88  | 33.46  | 0.86  | 55.72         | 51.00          | -23.00 | 74.00  | Peak   |
| 2395.000  | 29.01  | 33.18  | 3.40  | 52.59         | 51.82          | -22.18 | 74.00  | Peak   |
| 2739.090  | 30.09  | 32.99  | 4.17  | 59.00         | 60.27          | -13.73 | 74.00  | Peak   |

Remark: 1. All readings are Average and Peak values.  
2. Emission Level = Antenna Factor + Meter Reading + Cable Loss  
3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

| Frequency | Probe  | Preamp | Cable | Meter Reading | Emission Level | Over   | Limits | Remark  |
|-----------|--------|--------|-------|---------------|----------------|--------|--------|---------|
| MHz       | Factor | Factor | Loss  | Vertical      | Vertical       | Limits |        |         |
|           | dB/m   | dB/m   | dB    | dBμV          | dBμV/m         | dBμV/m | dBμV/m |         |
| 1198.000  | 24.80  | 34.91  | 2.96  | 50.45         | 43.30          | -10.70 | 54.00  | Average |
| 1468.000  | 25.34  | 34.40  | 3.22  | 47.94         | 42.10          | -11.90 | 54.00  | Average |
| 1826.060  | 27.16  | 33.72  | 1.54  | 51.22         | 46.20          | -7.80  | 54.00  | Average |
| 1963.000  | 27.88  | 33.46  | 0.86  | 48.12         | 43.40          | -10.60 | 54.00  | Average |
| 2395.000  | 29.01  | 33.18  | 3.40  | 44.87         | 44.10          | -9.90  | 54.00  | Average |
| 2739.090  | 30.09  | 32.99  | 4.17  | 44.33         | 45.60          | -8.40  | 54.00  | Average |

Remark: 1. All readings are Average and Peak values.  
2. Emission Level = Antenna Factor + Meter Reading + Cable Loss  
3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Reviewer: Chae Wang

Date of Test : Feb.26, 2005 Temperature : 24°C  
EUT : 900MHz Transmitter and Receive Humidity : 56%  
(Speaker with USB)  
Model No. : NE-511 Test Mode : Tx  
(Middle Frequency)  
Test Engineer: Seco

| Frequency | Probe  | Preamp | Cable | Meter Reading | Emission Level | Over   | Limits | Remark |
|-----------|--------|--------|-------|---------------|----------------|--------|--------|--------|
| MHz       | Factor | Factor | Loss  | Horizontal    | Horizontal     | Limits |        |        |
|           | dB/m   | dB/m   | dB    | dBμV          | dBμV/m         | dBμV/m | dBμV/m |        |
| 1396.000  | 25.19  | 34.54  | 3.15  | 50.65         | 44.45          | -29.55 | 74.00  | Peak   |
| 1828.040  | 27.16  | 33.72  | 1.54  | 51.70         | 46.68          | -27.32 | 74.00  | Peak   |
| 1891.000  | 27.48  | 33.61  | 1.24  | 49.06         | 44.17          | -29.83 | 74.00  | Peak   |
| 1963.000  | 27.88  | 33.46  | 0.86  | 54.34         | 49.62          | -24.38 | 74.00  | Peak   |
| 2742.060  | 30.11  | 32.99  | 4.17  | 51.69         | 52.98          | -21.02 | 74.00  | Peak   |
| 3956.800  | 33.73  | 32.31  | 6.01  | 42.53         | 49.96          | -24.04 | 74.00  | Peak   |

Remark: 1. All readings are Average and Peak values.  
2. Emission Level = Probe Factor + Meter Reading + Cable Loss - Preamp Factor  
3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

| Frequency | Probe  | Preamp | Cable | Meter Reading | Emission Level | Over   | Limits | Remark  |
|-----------|--------|--------|-------|---------------|----------------|--------|--------|---------|
| MHz       | Factor | Factor | Loss  | Horizontal    | Horizontal     | Limits |        |         |
|           | dB/m   | dB/m   | dB    | dBμV          | dBμV/m         | dBμV/m | dBμV/m |         |
| 1396.000  | 25.19  | 34.54  | 3.15  | 45.70         | 39.50          | -14.50 | 54.00  | Average |
| 1828.040  | 27.16  | 33.72  | 1.54  | 53.42         | 48.40          | -5.60  | 54.00  | Average |
| 1891.000  | 27.48  | 33.61  | 1.24  | 46.19         | 41.30          | -12.70 | 54.00  | Average |
| 1963.000  | 27.88  | 33.46  | 0.86  | 45.62         | 40.90          | -13.10 | 54.00  | Average |
| 2742.060  | 30.11  | 32.99  | 4.17  | 44.91         | 46.20          | -7.80  | 54.00  | Average |
| 3956.800  | 33.73  | 32.31  | 6.01  | 39.77         | 47.20          | -6.80  | 54.00  | Average |

Remark: 1. All readings are Average and Peak values.  
2. Emission Level = Probe Factor + Meter Reading + Cable Loss - Preamp Factor  
3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Reviewer:

Chae Wang

|                |                                                      |               |                          |
|----------------|------------------------------------------------------|---------------|--------------------------|
| Date of Test : | Feb.26, 2005                                         | Temperature : | 24°C                     |
| EUT :          | 900MHz Transmitter and Receive<br>(Speaker with USB) | Humidity :    | 56%                      |
| Model No. :    | NE-511                                               | Test Mode :   | Tx<br>(Middle Frequency) |
| Test Engineer: | Seco                                                 |               |                          |

| Frequency<br>MHz | Probe<br>Factor<br>dB/m | Preamp<br>Factor<br>dB/m | Cable<br>Loss<br>dB | Meter Reading<br>Vertical<br>dBμV | Emission Level<br>Vertical<br>dBμV/m | Over<br>Limits<br>dBμV/m | Limits<br>dBμV/m | Remark |
|------------------|-------------------------|--------------------------|---------------------|-----------------------------------|--------------------------------------|--------------------------|------------------|--------|
| 1198.000         | 24.80                   | 34.91                    | 2.96                | 52.48                             | 45.33                                | -28.67                   | 74.00            | Peak   |
| 1828.040         | 27.16                   | 33.72                    | 1.54                | 57.01                             | 51.99                                | -22.01                   | 74.00            | Peak   |
| 1891.000         | 27.48                   | 33.61                    | 1.24                | 57.53                             | 52.64                                | -21.36                   | 74.00            | Peak   |
| 1963.000         | 27.88                   | 33.46                    | 0.86                | 54.81                             | 50.09                                | -23.91                   | 74.00            | Peak   |
| 2395.000         | 29.01                   | 33.18                    | 3.40                | 48.54                             | 47.77                                | -26.23                   | 74.00            | Peak   |
| 2742.060         | 30.11                   | 32.99                    | 4.17                | 57.45                             | 58.74                                | -15.26                   | 74.00            | Peak   |

Remark: 1. All readings are Average and Peak values.  
2. Emission Level = Antenna Factor + Meter Reading + Cable Loss  
3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

| Frequency<br>MHz | Probe<br>Factor<br>dB/m | Preamp<br>Factor<br>dB/m | Cable<br>Loss<br>dB | Meter Reading<br>Vertical<br>dBμV | Emission Level<br>Vertical<br>dBμV/m | Over<br>Limits<br>dBμV/m | Limits<br>dBμV/m | Remark  |
|------------------|-------------------------|--------------------------|---------------------|-----------------------------------|--------------------------------------|--------------------------|------------------|---------|
| 1198.000         | 24.80                   | 34.91                    | 2.96                | 50.45                             | 43.30                                | -10.70                   | 54.00            | Average |
| 1828.040         | 27.16                   | 33.72                    | 1.54                | 49.82                             | 44.80                                | -9.20                    | 54.00            | Average |
| 1891.000         | 27.48                   | 33.61                    | 1.24                | 47.29                             | 42.40                                | -11.60                   | 54.00            | Average |
| 1963.000         | 27.88                   | 33.46                    | 0.86                | 48.82                             | 44.10                                | -9.90                    | 54.00            | Average |
| 2395.000         | 29.01                   | 33.18                    | 3.40                | 42.07                             | 41.30                                | -12.70                   | 54.00            | Average |
| 2742.060         | 30.11                   | 32.99                    | 4.17                | 45.71                             | 47.00                                | -7.00                    | 54.00            | Average |

Remark: 1. All readings are Average and Peak values.  
2. Emission Level = Antenna Factor + Meter Reading + Cable Loss  
3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Reviewer: Cake Wang

Date of Test : Feb.26, 2005 Temperature : 24°C  
EUT : 900MHz Transmitter and Receive Humidity : 56%  
(Speaker with USB)  
Model No. : NE-511 Test Mode : Tx  
(Highest Frequency)  
Test Engineer: Seco

| Frequency<br>MHz | Probe<br>Factor<br>dB/m | Preamp<br>Factor<br>dB/m | Cable<br>Loss<br>dB | Meter Reading<br>Horizontal<br>dBμV | Emission Level<br>Horizontal<br>dBμV/m | Over<br>Limits<br>dBμV/m | Limits<br>dBμV/m | Remark |
|------------------|-------------------------|--------------------------|---------------------|-------------------------------------|----------------------------------------|--------------------------|------------------|--------|
| 1198.000         | 24.80                   | 34.91                    | 2.96                | 57.07                               | 49.92                                  | -24.08                   | 74.00            | Peak   |
| 1333.000         | 25.07                   | 34.66                    | 3.09                | 56.33                               | 49.83                                  | -24.17                   | 74.00            | Peak   |
| 1832.400         | 27.16                   | 33.72                    | 1.54                | 62.09                               | 57.07                                  | -16.93                   | 74.00            | Peak   |
| 1891.000         | 27.48                   | 33.61                    | 1.24                | 54.25                               | 49.36                                  | -24.64                   | 74.00            | Peak   |
| 1963.000         | 27.88                   | 33.46                    | 0.86                | 55.40                               | 50.68                                  | -23.32                   | 74.00            | Peak   |
| 2748.600         | 30.11                   | 32.99                    | 4.17                | 60.59                               | 61.88                                  | -12.12                   | 74.00            | Peak   |

Remark: 1. All readings are Average and Peak values.  
2. Emission Level = Probe Factor + Meter Reading + Cable Loss - Preamp Factor  
3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

| Frequency<br>MHz | Probe<br>Factor<br>dB/m | Preamp<br>Factor<br>dB/m | Cable<br>Loss<br>dB | Meter Reading<br>Horizontal<br>dBμV | Emission Level<br>Horizontal<br>dBμV/m | Over<br>Limits<br>dBμV/m | Limits<br>dBμV/m | Remark  |
|------------------|-------------------------|--------------------------|---------------------|-------------------------------------|----------------------------------------|--------------------------|------------------|---------|
| 1198.000         | 24.80                   | 34.91                    | 2.96                | 50.35                               | 43.20                                  | -10.80                   | 54.00            | Average |
| 1333.000         | 25.07                   | 34.66                    | 3.09                | 46.70                               | 40.20                                  | -13.80                   | 54.00            | Average |
| 1832.400         | 27.16                   | 33.72                    | 1.54                | 52.12                               | 47.10                                  | -6.90                    | 54.00            | Average |
| 1891.000         | 27.48                   | 33.61                    | 1.24                | 49.19                               | 44.30                                  | -9.70                    | 54.00            | Average |
| 1963.000         | 27.88                   | 33.46                    | 0.86                | 47.92                               | 43.20                                  | -10.80                   | 54.00            | Average |
| 2748.600         | 30.11                   | 32.99                    | 4.17                | 44.81                               | 46.10                                  | -7.90                    | 54.00            | Average |

Remark: 1. All readings are Average and Peak values.  
2. Emission Level = Probe Factor + Meter Reading + Cable Loss - Preamp Factor  
3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Reviewer: Cake Wang

Date of Test : Feb.26, 2005 Temperature : 24°C  
EUT : 900MHz Transmitter and Receive Humidity : 56%  
(Speaker with USB)  
Model No. : NE-511 Test Mode : Tx  
(Highest Frequency)  
Test Engineer: Seco

| Frequency | Probe  | Preamp | Cable | Meter Reading | Emission Level | Over   | Limits | Remark |
|-----------|--------|--------|-------|---------------|----------------|--------|--------|--------|
| MHz       | Factor | Factor | Loss  | Vertical      | Vertical       | Limits |        |        |
|           | dB/m   | dB/m   | dB    | dBμV          | dBμV/m         | dBμV/m | dBμV/m |        |
| 1199.750  | 24.80  | 34.91  | 2.96  | 47.17         | 40.02          | -33.98 | 74.00  | Peak   |
| 1458.250  | 25.30  | 34.43  | 3.21  | 47.58         | 41.66          | -32.34 | 74.00  | Peak   |
| 1832.400  | 27.16  | 33.72  | 1.54  | 51.80         | 46.78          | -27.22 | 74.00  | Peak   |
| 1869.500  | 27.39  | 33.64  | 1.33  | 49.97         | 45.05          | -28.95 | 74.00  | Peak   |
| 1963.500  | 27.88  | 33.46  | 0.86  | 50.45         | 45.73          | -28.27 | 74.00  | Peak   |
| 2748.600  | 30.11  | 32.99  | 4.17  | 58.23         | 59.52          | -14.48 | 74.00  | Peak   |

Remark: 1. All readings are Average and Peak values.  
2. Emission Level = Antenna Factor + Meter Reading + Cable Loss  
3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

| Frequency | Probe  | Preamp | Cable | Meter Reading | Emission Level | Over    | Limits | Remark  |
|-----------|--------|--------|-------|---------------|----------------|---------|--------|---------|
| MHz       | Factor | Factor | Loss  | Vertical      | Vertical       | Limits  |        |         |
|           | dB/m   | dB/m   | dB    | dBμV          | dBμV/m         | dBμV/m  | dBμV/m |         |
| 1199.750  | 24.80  | 34.91  | 2.96  | 44.35         | 37.20          | -16.80  | 54.00  | Average |
| 1458.250  | 25.30  | 34.43  | 3.21  | 43.82         | 37.90          | -16.10  | 54.00  | Average |
| 1832.400  | 27.16  | 33.72  | 1.54  | 46.12         | 41.10          | -12.90  | 54.00  | Average |
| 1869.500  | 27.39  | 33.64  | 1.33  | 46.02         | 41.10          | -12.90- | 54.00  | Average |
| 1963.500  | 27.88  | 33.46  | 0.86  | 47.02         | 42.30          | -11.70  | 54.00  | Average |
| 2748.600  | 30.11  | 32.99  | 4.17  | 43.21         | 44.50          | -9.50   | 54.00  | Average |

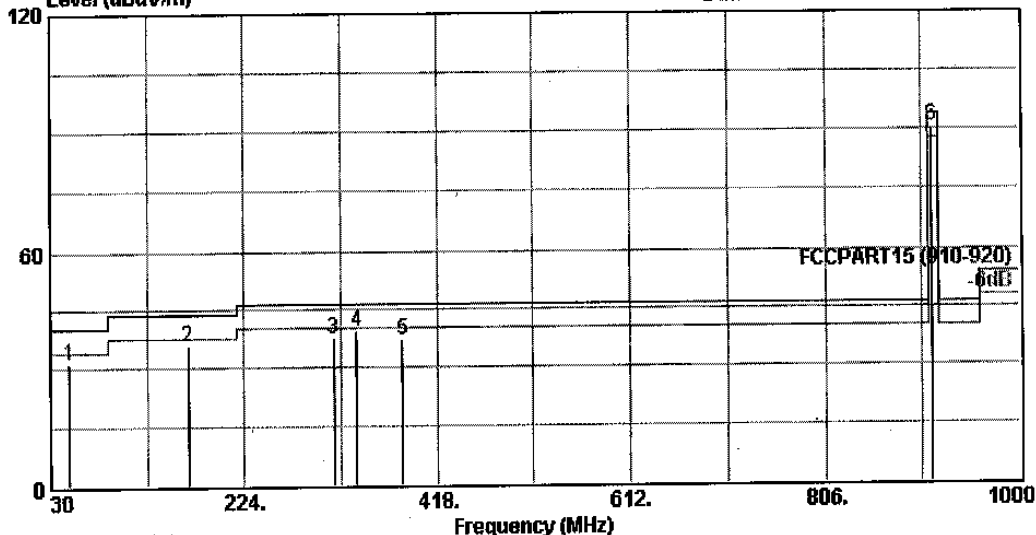
Remark: 1. All readings are Average and Peak values.  
2. Emission Level = Antenna Factor + Meter Reading + Cable Loss  
3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Reviewer: Choke Wang



No.6, Ke Feng Road, Block 52,  
Shenzhen Science & Industry Park  
Nantou, Shenzhen, Guangdong, China  
Tel: +86-755-26639496-7  
Fax: +86-755-26632877  
Postcode: 518057

Data: 69 File: D:\E3 Test Data\W\N\icetex.eml (80) Date: 2005-02-27 Time: 15:19:50  
Level (dBuV/m)



Trace: (Discrete)

Site : 10m Chamber  
Condition : FCCPART15 (910-920) 3m 2768 FACTOR(3M) HORIZONTAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NR-511  
Power : DC6V Adaptor Input: 120V/60Hz  
Test Engineer: Rishzhy  
Comment : Temp: 24' Humi: 56%  
Memo : Tx (Lowest Frequency)  
 : ANT Pos: 1.3m T-table Pos: 180deg

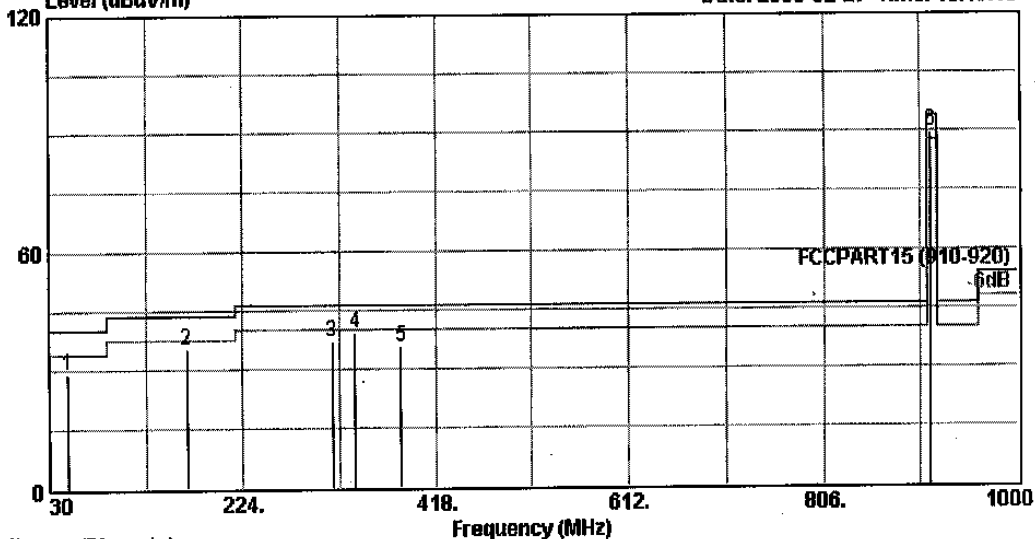
|     |        | Limit  |        | Read  | Over  | Cable | Antenna |        |
|-----|--------|--------|--------|-------|-------|-------|---------|--------|
|     | Freq   | Line   | Level  | Level | Limit | Loss  | Factor  | Remark |
|     | MHz    | dBuV/m | dBuV/m | dBuV  | dB    | dB    | dB/m    |        |
| 1 @ | 49.40  | 40.00  | 31.04  | 22.64 | -8.96 | 0.98  | 7.42    |        |
| 2 @ | 167.74 | 43.50  | 35.50  | 22.87 | -8.00 | 2.07  | 10.56   |        |
| 3 @ | 313.24 | 46.00  | 37.43  | 21.00 | -8.57 | 2.91  | 13.52   |        |
| 4 @ | 396.52 | 46.00  | 39.27  | 21.64 | -6.73 | 3.05  | 14.59   |        |
| 5 @ | 383.08 | 46.00  | 37.11  | 17.68 | -8.89 | 3.34  | 16.09   |        |
| 6 @ | 913.03 | 94.00  | 90.36  | 62.50 | -3.64 | 5.35  | 22.51   |        |



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Postcode: 518057

Data: 70 File: D:\E3 Test Data\W\Nicatex.emi (80)  
Level (dBuV/m)

Date: 2005-02-27 Time: 15:19:10



Trace: (Discrete)

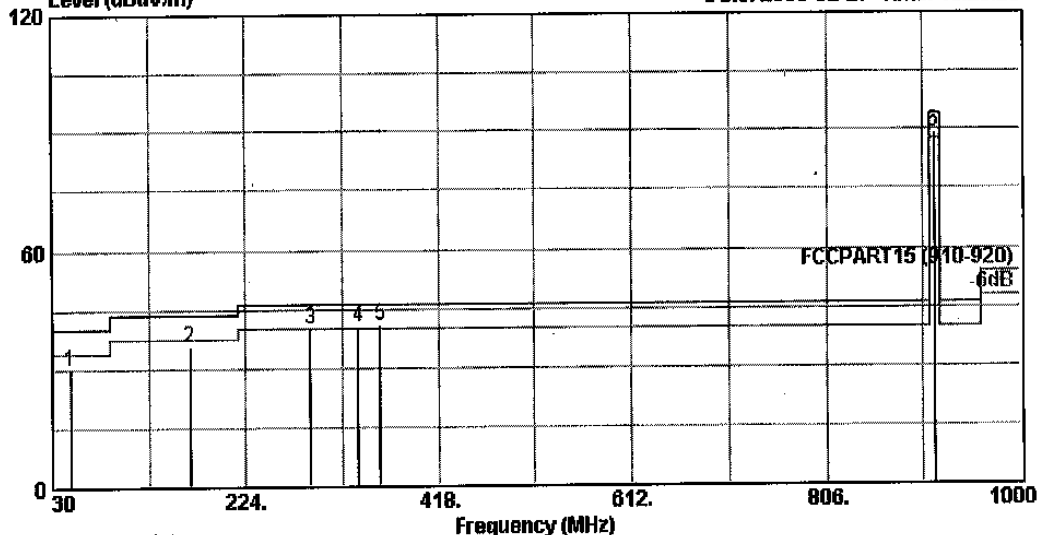
Site : 10m Chamber  
Condition : FCCPART15 (910-920) 3m 2768 FACTOR(3M) VERTICAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input: 120V/60Hz  
Test Engineer: Richshy  
Comment : Temp: 24 Humid: 56%  
Memo : Tx (Lowest Frequency)  
 : ANT Pos: 1.15m T-table Pos: 0 deg

|     | Frag   | Limit |        | Read   |        | Over |        | CableAntenna | Remark |
|-----|--------|-------|--------|--------|--------|------|--------|--------------|--------|
|     |        | Line  | Level  | Level  | Limit  | Loss | Factor |              |        |
|     | MHz    |       | dBuV/m | dBuV/m | dB     | dB   | dB/m   |              |        |
| 1 @ | 49.40  | 40.00 | 29.07  | 21.83  | -10.93 | 0.98 | 6.26   |              |        |
| 2 @ | 167.74 | 43.50 | 35.04  | 24.07  | -8.46  | 2.07 | 8.90   |              |        |
| 3 @ | 313.24 | 46.00 | 36.83  | 20.38  | -9.17  | 2.91 | 13.54  |              |        |
| 4 @ | 336.52 | 46.00 | 39.04  | 21.89  | -6.96  | 3.05 | 14.11  |              |        |
| 5 @ | 383.08 | 46.00 | 35.48  | 16.52  | -10.52 | 3.34 | 15.61  |              |        |
| 6 @ | 913.03 | 94.00 | 89.89  | 61.65  | -4.11  | 5.35 | 22.88  |              |        |



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Data: 71 File: D:\E3 Test Data\N\Nictex.emi (80) Date: 2005-02-27 Time: 15:28:20  
Level (dBuV/m)



Trace: (Discrete)

Site : 10m Chamber  
Condition : FCCPART15 (910-920) 3m 2768 FACTOR(3M) HORIZONTAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input: 120V/60Hz  
Test Engineer: Richzhy  
Comment : Temp: 24' Humd: 56%  
Memo : Tx (Middle Frequency)  
 : ANT Pos: 1.2m T-table Pos: 180deg

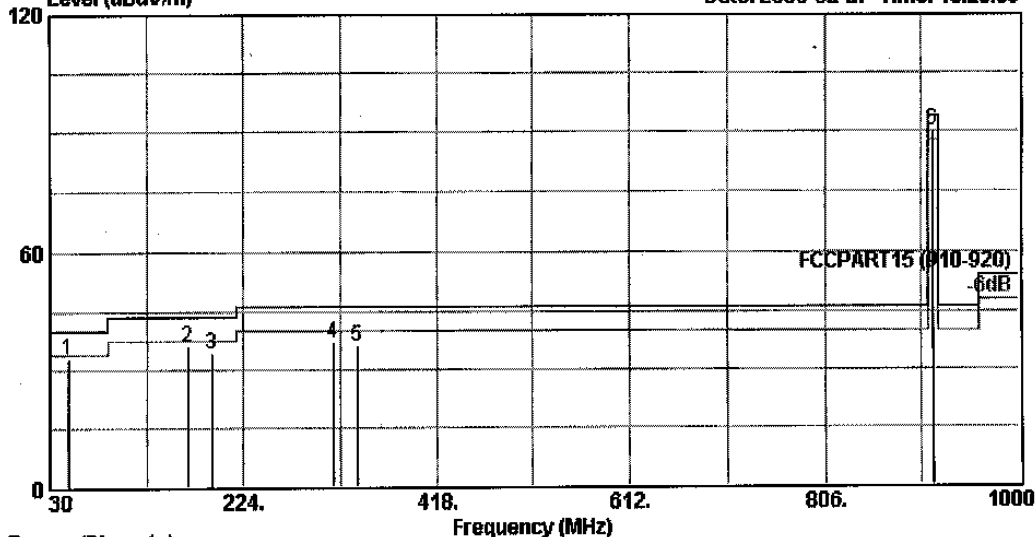
|      |        | Limit  | Read  | Over  | Cable  | Antenna |        |
|------|--------|--------|-------|-------|--------|---------|--------|
| Freq | Line   | Level  | Level | Limit | Loss   | Factor  | Remark |
| MHz  | dBuV/m | dBuV/m | dBuV  | dB    | dB     | dB/m    |        |
| 1 @  | 48.43  | 40.00  | 29.68 | 21.14 | -10.32 | 0.98    | 7.56   |
| 2 @  | 167.74 | 43.50  | 35.78 | 23.16 | -7.72  | 2.07    | 10.56  |
| 3 @  | 288.99 | 46.00  | 39.92 | 24.17 | -6.08  | 2.81    | 12.93  |
| 4 @  | 336.52 | 46.00  | 40.25 | 22.62 | -5.75  | 3.05    | 14.59  |
| 5 @  | 358.83 | 46.00  | 41.02 | 22.08 | -4.98  | 3.23    | 15.71  |
| 6 @  | 914.02 | 94.00  | 89.42 | 61.55 | -4.58  | 5.35    | 22.51  |



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Data: 72 File: D:\E3 Test Data\WNIcetex.eml (80)  
Level (dBuV/m)

Date: 2005-02-27 Time: 15:28:59



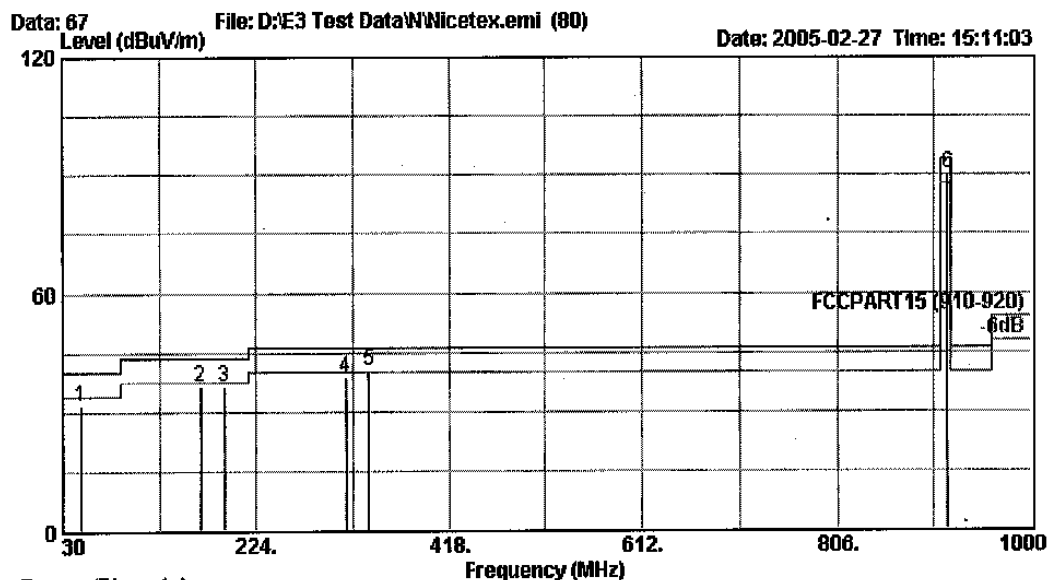
Trace: (Discrete)

Site : 10m Chamber  
Condition : FCCPART15 (910-920) 3m 2768 FACTOR(3M) VERTICAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input: 120V/60Hz  
Test Engineer: Richshy  
Comment : Temp: 24' Humi: 56%  
Memo : Tx (Middle Frequency)  
 : ANT Pos: 1.12m T-table Pos: 0 deg

|     |        | Limit | Read   | Over   | Cable | Antenna     |        |
|-----|--------|-------|--------|--------|-------|-------------|--------|
|     | Freq   | Line  | Level  | Level  | Limit | Loss Factor | Remark |
|     | MHz    |       | dBuV/m | dBuV/m | dB    | dB          | dB/m   |
| 1 @ | 48.43  | 40.00 | 33.07  | 25.83  | -6.93 | 0.98        | 6.25   |
| 2 @ | 167.74 | 43.50 | 36.02  | 25.05  | -7.48 | 2.07        | 8.90   |
| 3 @ | 191.99 | 43.50 | 34.26  | 23.90  | -9.24 | 2.11        | 8.25   |
| 4 @ | 313.24 | 46.00 | 36.91  | 20.46  | -9.09 | 2.91        | 13.54  |
| 5 @ | 337.49 | 46.00 | 36.10  | 18.93  | -9.90 | 3.03        | 14.14  |
| 6 @ | 914.02 | 94.00 | 89.95  | 61.69  | -4.05 | 5.35        | 22.91  |



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Postcode: 518057



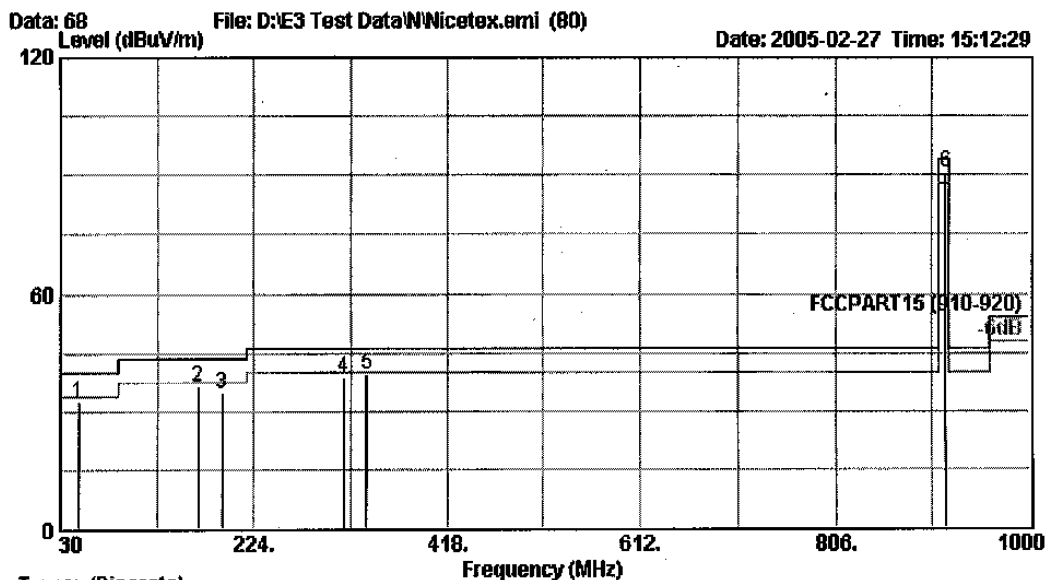
Trace: (Discrete)

Site : 10m Chamber  
Condition : FCCPART15 (910-920) 3m 2768 FACTOR(3M) HORIZONTAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NR-511  
Power : DC6V Adaptor Input: 120V/60Hz  
Test Engineer: Richshy  
Comment : Temp: 24 Humid: 56%  
Memo : Tx(Highest Frequency)  
 : ANT Pos: 1.3m T-table Pos: 180deg

|   |        | Limit  |        | Read  | Over  | Cable | Antenna |        |
|---|--------|--------|--------|-------|-------|-------|---------|--------|
|   | Freq   | Line   | Level  | Level | Limit | Loss  | Factor  | Remark |
|   | MHz    | dBuV/m | dBuV/m | dBuV  | dB    | dB    | dB/m    |        |
| 1 | 48.43  | 40.00  | 31.45  | 22.91 | -8.55 | 0.98  | 7.56    |        |
| 2 | 167.74 | 43.50  | 36.45  | 23.82 | -7.05 | 2.07  | 10.86   |        |
| 3 | 191.99 | 43.50  | 36.49  | 25.17 | -7.01 | 2.11  | 9.21    |        |
| 4 | 313.24 | 46.00  | 38.81  | 22.39 | -7.19 | 2.91  | 13.52   |        |
| 5 | 336.52 | 46.00  | 40.29  | 22.65 | -6.71 | 3.05  | 14.59   |        |
| 6 | 916.20 | 94.00  | 90.27  | 62.32 | -3.73 | 5.38  | 22.57   |        |



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Trace: (Discrete)

Site : 10m Chamber  
Condition : FCC PART 15 (910-920) 3m 2768 FACTOR(3M) VERTICAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input: 120V/60Hz  
Test Engineer: Richsky  
Comment : Temp: 24 Humid: 56%  
Memo : Tx(Highest Frequency)  
 : ANT Pos: 1.2m T-table Pos: 0 deg

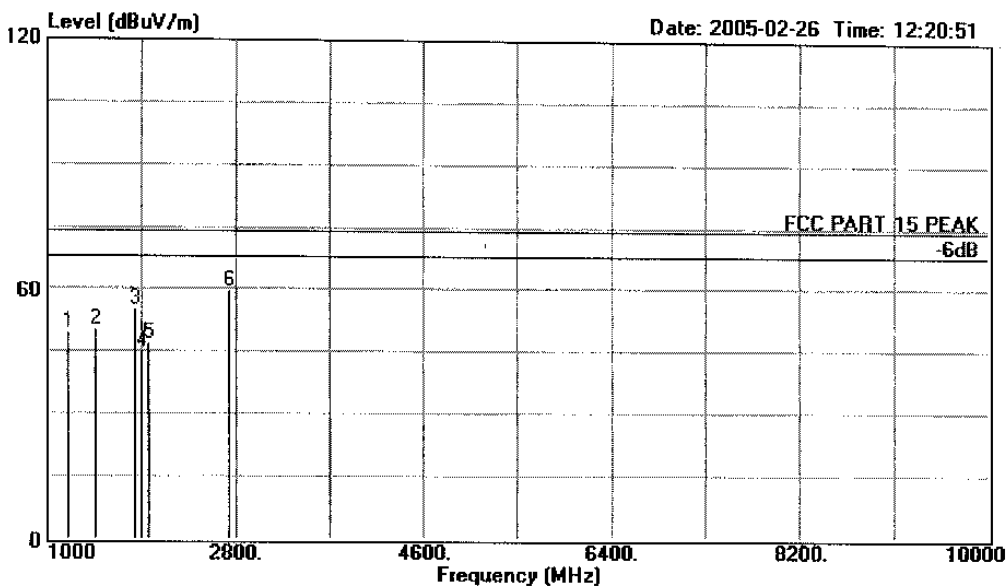
|     |        | Limit  |        | Read  | Over  | Cable | Antenna |        |
|-----|--------|--------|--------|-------|-------|-------|---------|--------|
|     | Freq   | Line   | Level  | Level | Limit | Loss  | Factor  | Remark |
|     | MHz    | dBuV/m | dBuV/m | dBuV  | dB    | dB    | dB/m    |        |
| 1 @ | 48.43  | 40.00  | 32.52  | 25.28 | -7.48 | 0.98  | 6.25    |        |
| 2 @ | 167.74 | 43.50  | 36.38  | 25.41 | -7.12 | 2.07  | 8.90    |        |
| 3 @ | 191.99 | 43.50  | 34.58  | 24.21 | -8.92 | 2.11  | 8.25    |        |
| 4 @ | 313.24 | 46.00  | 38.49  | 22.04 | -7.51 | 2.91  | 13.54   |        |
| 5 @ | 336.52 | 46.00  | 39.57  | 22.41 | -6.43 | 3.05  | 14.11   |        |
| 6 @ | 916.20 | 94.00  | 90.40  | 61.90 | -3.60 | 5.38  | 23.12   |        |



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Data#: 33 File#: C:\EMI TEST DATA\N\Nicetex.EMI



Site : 1# Chamber  
Condition : FCC PART 15 PEAK 3m 3115 FACTOR HORIZONTAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input:120V/60Hz  
Test Engineer : Richzhy  
Memo : Tx (Lowest Frequency)

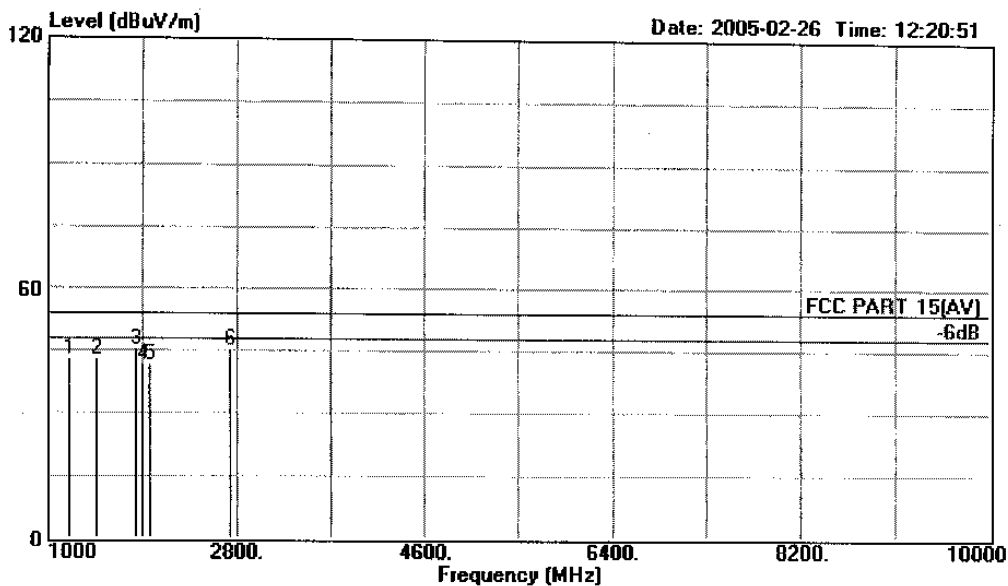
|   |          |        | Over   | Limit  | Read  | Cable | Probe  | Preamp |        |
|---|----------|--------|--------|--------|-------|-------|--------|--------|--------|
|   | Freq     | Level  | Limit  | Line   | Level | Loss  | Factor | Factor | Remark |
|   | MHz      | dBuV/m | dB     | dBuV/m | dBuV  | dB    | dB     | dB     |        |
| 1 | 1199.750 | 49.65  | -24.35 | 74.00  | 56.80 | 2.96  | 24.80  | 34.91  | Peak   |
| 2 | 1458.250 | 50.58  | -23.42 | 74.00  | 56.50 | 3.21  | 25.30  | 34.43  | Peak   |
| 3 | 1826.060 | 55.36  | -18.64 | 74.00  | 60.38 | 1.54  | 27.16  | 33.72  | Peak   |
| 4 | 1904.750 | 45.17  | -28.83 | 74.00  | 50.02 | 1.16  | 27.57  | 33.58  | Peak   |
| 5 | 1963.500 | 47.26  | -26.74 | 74.00  | 51.98 | 0.86  | 27.88  | 33.46  | Peak   |
| 6 | 2739.090 | 59.65  | -14.35 | 74.00  | 58.38 | 4.17  | 30.09  | 32.99  | Peak   |



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Data#: 39 File#: C:\EMI TEST DATA\N\Nicetex.EMI



Site : 1# Chamber  
Condition : FCC PART 15(AV) 3m 3115 FACTOR HORIZONTAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input:120V/60Hz  
Test Engineer : Richzhy  
Memo : Tx (Lowest Frequency)

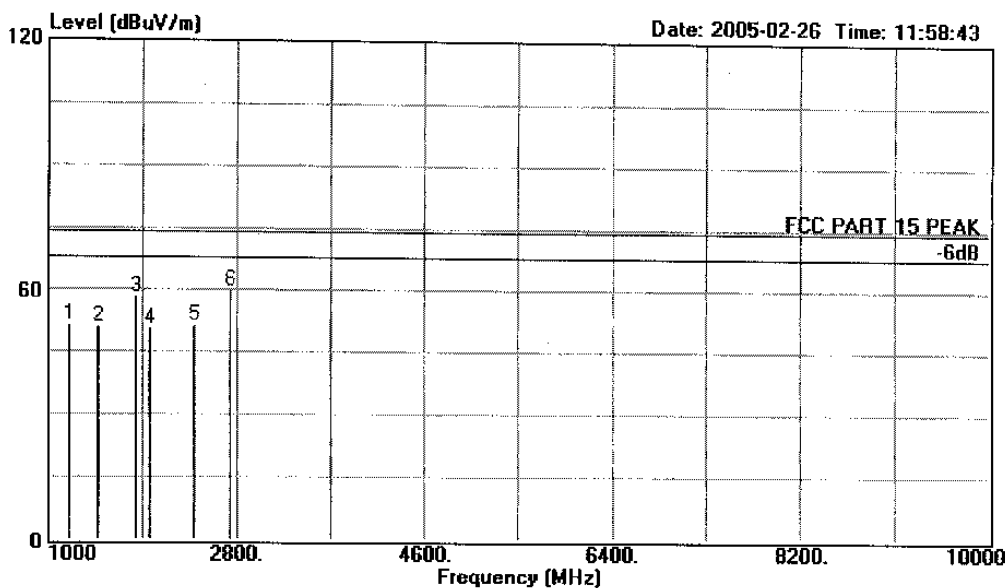
|   |          |        | Over   | Limit  | Read  | Cable | Probe  | Preamp |         |
|---|----------|--------|--------|--------|-------|-------|--------|--------|---------|
|   | Freq     | Level  | Limit  | Line   | Level | Loss  | Factor | Factor | Remark  |
|   | MHz      | dBuV/m | dB     | dBuV/m | dBuV  | dB    | dB     | dB     |         |
| 1 | 1199.750 | 43.30  | -10.70 | 54.00  | 50.45 | 2.96  | 24.80  | 34.91  | Average |
| 2 | 1458.250 | 43.10  | -10.90 | 54.00  | 49.02 | 3.21  | 25.30  | 34.43  | Average |
| 3 | 1826.060 | 45.40  | -8.60  | 54.00  | 50.42 | 1.54  | 27.16  | 33.72  | Average |
| 4 | 1904.750 | 42.10  | -11.90 | 54.00  | 46.95 | 1.16  | 27.57  | 33.58  | Average |
| 5 | 1963.500 | 42.10  | -11.90 | 54.00  | 46.82 | 0.86  | 27.88  | 33.46  | Average |
| 6 | 2739.090 | 45.40  | -8.60  | 54.00  | 44.13 | 4.17  | 30.09  | 32.99  | Average |



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Data#: 32 File#: C:\EMI TEST DATA\M\Nicetex.EMI



Site : 1# Chamber  
Condition : FCC PART 15 PEAK 3m 3115 FACTOR VERTICAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input:120V/60Hz  
Test Engineer : Richzhy  
Memo : Tx (Lowest Frequency)

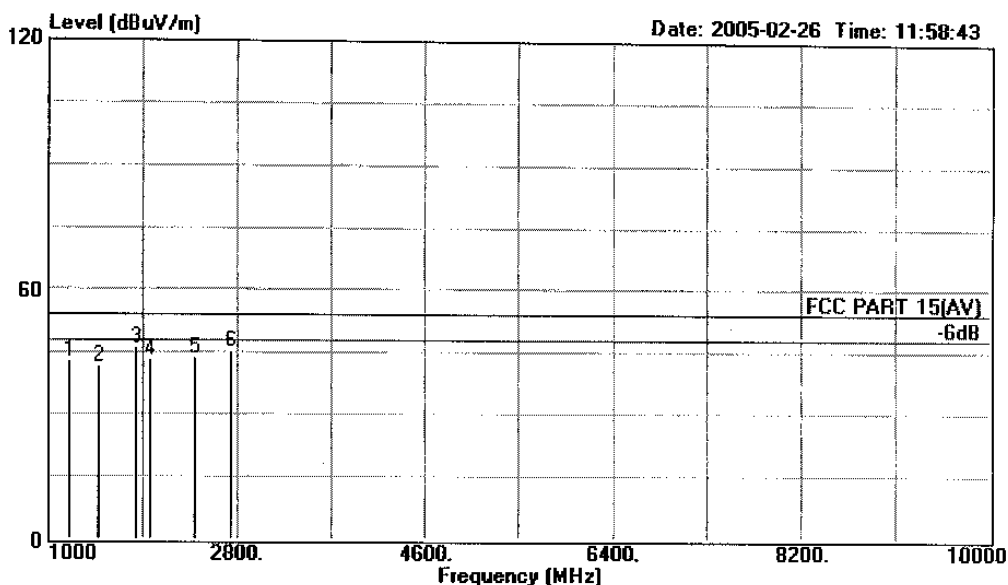
|   |          |        | Over   | Limit  | Read  | Cable | Probe  | Preamp |        |
|---|----------|--------|--------|--------|-------|-------|--------|--------|--------|
|   | Freq     | Level  | Limit  | Line   | Level | Loss  | Factor | Factor | Remark |
|   | MHz      | dBuV/m | dB     | dBuV/m | dBuV  | dB    | dB     | dB     |        |
| 1 | 1198.000 | 51.56  | -22.44 | 74.00  | 58.71 | 2.96  | 24.80  | 34.91  | Peak   |
| 2 | 1468.000 | 51.23  | -22.77 | 74.00  | 57.07 | 3.22  | 25.34  | 34.40  | Peak   |
| 3 | 1826.060 | 58.41  | -15.59 | 74.00  | 63.43 | 1.54  | 27.16  | 33.72  | Peak   |
| 4 | 1963.000 | 51.00  | -23.00 | 74.00  | 55.72 | 0.86  | 27.88  | 33.46  | Peak   |
| 5 | 2395.000 | 51.82  | -22.18 | 74.00  | 52.59 | 3.40  | 29.01  | 33.18  | Peak   |
| 6 | 2739.090 | 60.27  | -13.73 | 74.00  | 59.00 | 4.17  | 30.09  | 32.99  | Peak   |



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Data#: 38 File#: C:\EMI TEST DATA\N\Nicetex.EMI



Site : 1# Chamber  
Condition : FCC PART 15(AV) 3m 3115 FACTOR VERTICAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input:120V/60Hz  
Test Engineer : Richzhy  
Memo : Tx (Lowest Frequency)

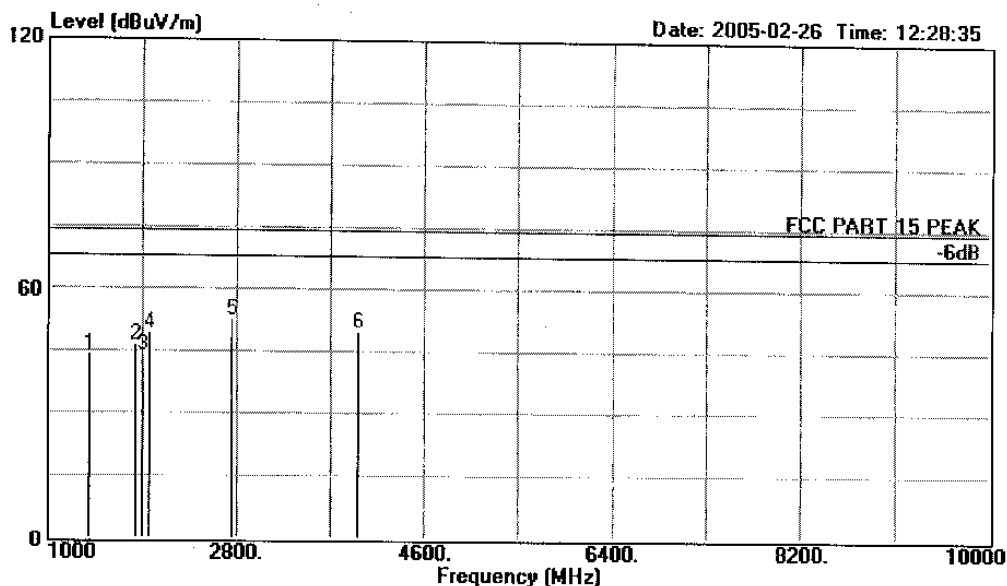
|   |          |        | Over   | Limit  | Read  | Cable | Probe  | Preamp |         |
|---|----------|--------|--------|--------|-------|-------|--------|--------|---------|
|   | Freq     | Level  | Limit  | Line   | Level | Loss  | Factor | Factor | Remark  |
|   | MHz      | dBuV/m | dB     | dBuV/m | dBuV  | dB    | dB     | dB     |         |
| 1 | 1198.000 | 43.30  | -10.70 | 54.00  | 50.45 | 2.96  | 24.80  | 34.91  | Average |
| 2 | 1468.000 | 42.10  | -11.90 | 54.00  | 47.94 | 3.22  | 25.34  | 34.40  | Average |
| 3 | 1826.060 | 46.20  | -7.80  | 54.00  | 51.22 | 1.54  | 27.16  | 33.72  | Average |
| 4 | 1963.000 | 43.40  | -10.60 | 54.00  | 48.12 | 0.86  | 27.88  | 33.46  | Average |
| 5 | 2395.000 | 44.10  | -9.90  | 54.00  | 44.87 | 3.40  | 29.01  | 33.18  | Average |
| 6 | 2739.090 | 45.60  | -8.40  | 54.00  | 44.33 | 4.17  | 30.09  | 32.99  | Average |



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Data#: 37 File#: C:\EMI TEST DATA\N\Nicetex.EMI



Site : 1# Chamber  
Condition : FCC PART 15 PEAK 3m 3115 FACTOR HORIZONTAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-S11  
Power : DC6V Adaptor Input:120V/60Hz  
Test Engineer : Richzhy  
Memo : Tx (Middle Frequency)

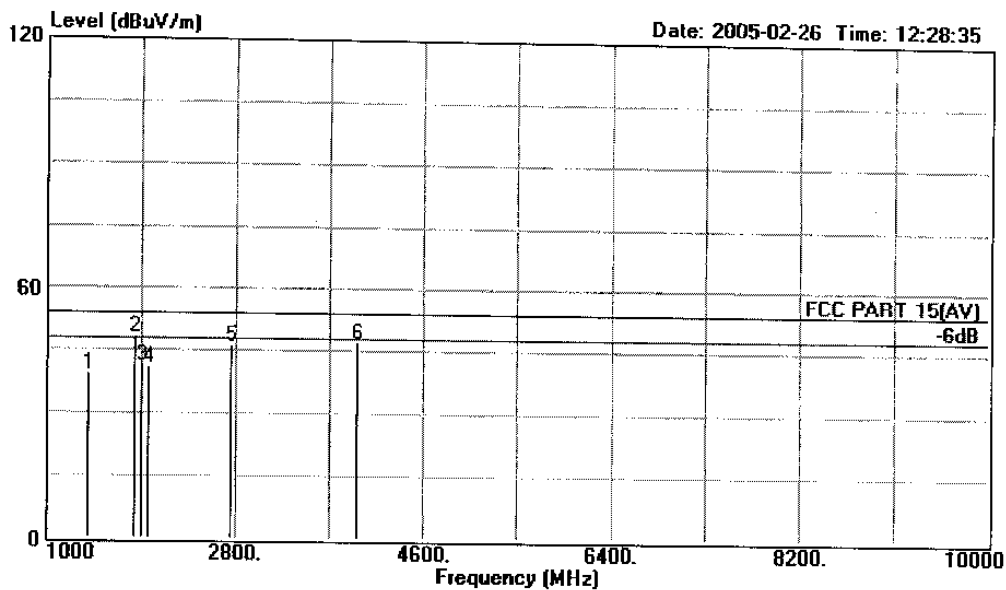
|   |          |        | Over   | Limit  | Read  | Cable | Probe  | Preamp |        |
|---|----------|--------|--------|--------|-------|-------|--------|--------|--------|
|   | Freq     | Level  | Limit  | Line   | Level | Loss  | Factor | Factor | Remark |
|   | MHz      | dBuV/m | dB     | dBuV/m | dBuV  | dB    | dB     | dB     |        |
| 1 | 1396.000 | 44.45  | -29.55 | 74.00  | 50.65 | 3.15  | 25.19  | 34.54  | Peak   |
| 2 | 1828.040 | 46.68  | -27.32 | 74.00  | 51.70 | 1.54  | 27.16  | 33.72  | Peak   |
| 3 | 1891.000 | 44.17  | -29.83 | 74.00  | 49.06 | 1.24  | 27.48  | 33.61  | Peak   |
| 4 | 1963.000 | 49.62  | -24.38 | 74.00  | 54.34 | 0.86  | 27.88  | 33.46  | Peak   |
| 5 | 2742.060 | 52.98  | -21.02 | 74.00  | 51.69 | 4.17  | 30.11  | 32.99  | Peak   |
| 6 | 3956.800 | 49.96  | -24.04 | 74.00  | 42.53 | 6.01  | 33.73  | 32.31  | Peak   |



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Data#: 43 File#: C:\EMI TEST DATA\N\Nicetex.EMI



Site : 1# Chamber  
Condition : FCC PART 15(AV) 3m 3115 FACTOR HORIZONTAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input:120V/60Hz  
Test Engineer : Richzhy  
Memo : Tx (Middle Frequency)

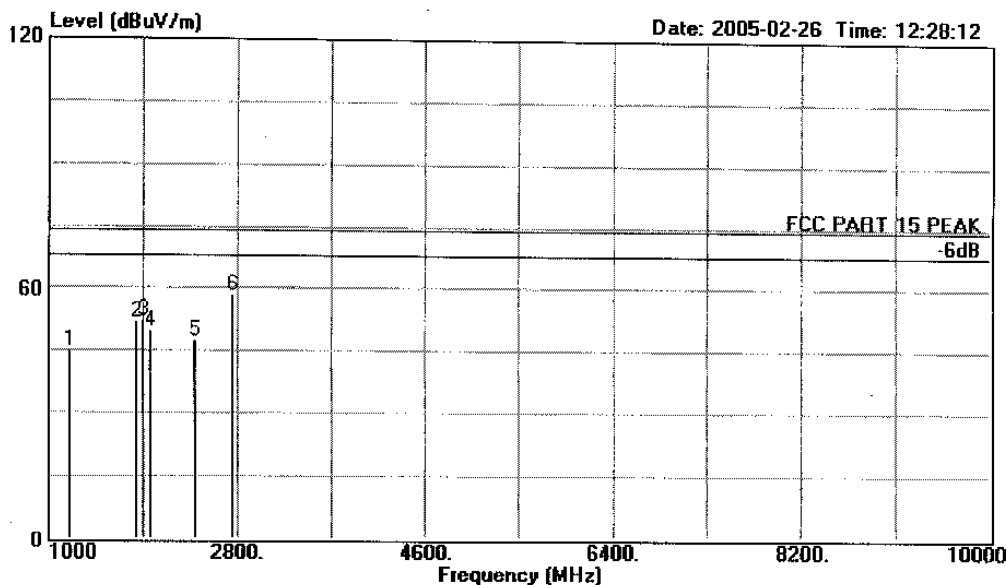
|   |          |        | Over   | Limit  | Read  | Cable | Probe  | Preamp |         |
|---|----------|--------|--------|--------|-------|-------|--------|--------|---------|
|   | Freq     | Level  | Limit  | Line   | Level | Loss  | Factor | Factor | Remark  |
|   | MHz      | dBuV/m | dB     | dBuV/m | dBuV  | dB    | dB     | dB     |         |
| 1 | 1396.000 | 39.50  | -14.50 | 54.00  | 45.70 | 3.15  | 25.19  | 34.54  | Average |
| 2 | 1828.040 | 48.40  | -5.60  | 54.00  | 53.42 | 1.54  | 27.16  | 33.72  | Average |
| 3 | 1891.000 | 41.30  | -12.70 | 54.00  | 46.19 | 1.24  | 27.48  | 33.61  | Average |
| 4 | 1963.000 | 40.90  | -13.10 | 54.00  | 45.62 | 0.86  | 27.88  | 33.46  | Average |
| 5 | 2742.060 | 46.20  | -7.80  | 54.00  | 44.91 | 4.17  | 30.11  | 32.99  | Average |
| 6 | 3956.800 | 47.20  | -6.80  | 54.00  | 39.77 | 6.01  | 33.73  | 32.31  | Average |



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Data#: 36 File#: C:\EMI TEST DATA\N\Nicetex.EMI



Site : 1# Chamber  
Condition : FCC PART 15 PEAK 3m 3115 FACTOR VERTICAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input:120V/60Hz  
Test Engineer : Richzhy  
Memo : Tx (Middle Frequency)

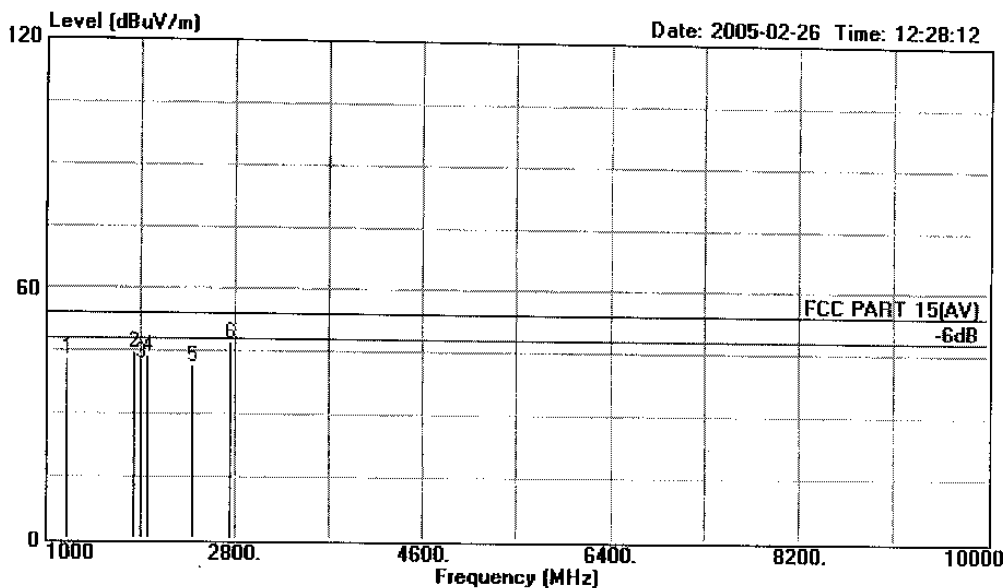
|   | Freq     | Level  | Over Limit | Limit  | Read  | Cable | Probe | Preamp | Remark |
|---|----------|--------|------------|--------|-------|-------|-------|--------|--------|
|   | MHz      | dBuV/m | dB         | dBuV/m | dBuV  | dB    | dB    | dB     |        |
| 1 | 1198.000 | 45.33  | -28.67     | 74.00  | 52.48 | 2.96  | 24.80 | 34.91  | Peak   |
| 2 | 1828.040 | 51.99  | -22.01     | 74.00  | 57.01 | 1.54  | 27.16 | 33.72  | Peak   |
| 3 | 1891.000 | 52.64  | -21.36     | 74.00  | 57.53 | 1.24  | 27.48 | 33.61  | Peak   |
| 4 | 1963.000 | 50.09  | -23.91     | 74.00  | 54.81 | 0.86  | 27.88 | 33.46  | Peak   |
| 5 | 2395.000 | 47.77  | -26.23     | 74.00  | 48.54 | 3.40  | 29.01 | 33.18  | Peak   |
| 6 | 2742.060 | 58.74  | -15.26     | 74.00  | 57.45 | 4.17  | 30.11 | 32.99  | Peak   |



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Data#: 42 File#: C:\EMI TEST DATA\N\Nicetex.EMI



Site : 1# Chamber  
Condition : FCC PART 15(AV) 3m 3115 FACTOR VERTICAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input:120V/60Hz  
Test Engineer : Richzhy  
Memo : Tx (Middle Frequency)

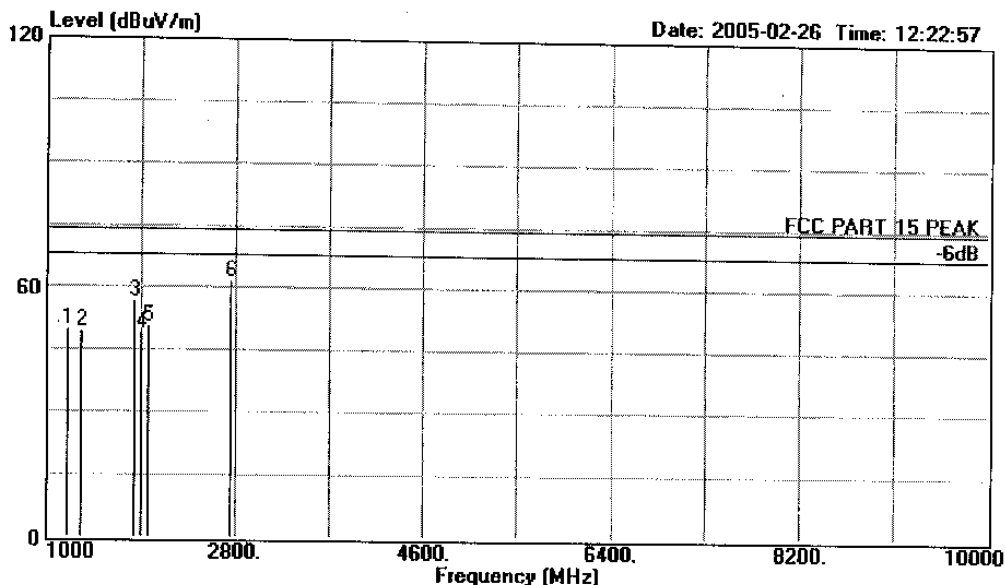
|   |          |        | Over   | Limit  | Read  | Cable | Probe  | Preamp |         |
|---|----------|--------|--------|--------|-------|-------|--------|--------|---------|
|   | Freq     | Level  | Limit  | Line   | Level | Loss  | Factor | Factor | Remark  |
|   | MHz      | dBuV/m | dB     | dBuV/m | dBuV  | dB    | dB     | dB     |         |
| 1 | 1198.000 | 43.30  | -10.70 | 54.00  | 50.45 | 2.96  | 24.80  | 34.91  | Average |
| 2 | 1828.040 | 44.80  | -9.20  | 54.00  | 49.82 | 1.54  | 27.16  | 33.72  | Average |
| 3 | 1891.000 | 42.40  | -11.60 | 54.00  | 47.29 | 1.24  | 27.48  | 33.61  | Average |
| 4 | 1963.000 | 44.10  | -9.90  | 54.00  | 48.82 | 0.86  | 27.88  | 33.46  | Average |
| 5 | 2395.000 | 41.30  | -12.70 | 54.00  | 42.07 | 3.40  | 29.01  | 33.18  | Average |
| 6 | 2742.060 | 47.00  | -7.00  | 54.00  | 45.71 | 4.17  | 30.11  | 32.99  | Average |



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Data#: 34 File#: C:\EMI TEST DATA\N\Nicetex.EMI



Site : 1# Chamber  
Condition : FCC PART 15 PEAK 3m 3115 FACTOR HORIZONTAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-S11  
Power : DC6V Adaptor Input:120V/60Hz  
Test Engineer : Richzhy  
Memo : Tx (Highest Frequency)

|      | Over     | Limit        | Read   | Cable | Probe | Preamp |               |
|------|----------|--------------|--------|-------|-------|--------|---------------|
| Freq | Level    | Limit        | Line   | Level | Loss  | Factor | Factor Remark |
| MHz  | dBuV/m   | dB           | dBuV/m | dBuV  | dB    | dB     | dB            |
| 1    | 1198.000 | 49.92 -24.08 | 74.00  | 57.07 | 2.96  | 24.80  | 34.91 Peak    |
| 2    | 1333.000 | 49.83 -24.17 | 74.00  | 56.33 | 3.09  | 25.07  | 34.66 Peak    |
| 3    | 1832.400 | 57.07 -16.93 | 74.00  | 62.09 | 1.54  | 27.16  | 33.72 Peak    |
| 4    | 1891.000 | 49.36 -24.64 | 74.00  | 54.25 | 1.24  | 27.48  | 33.61 Peak    |
| 5    | 1963.000 | 50.68 -23.32 | 74.00  | 55.40 | 0.86  | 27.88  | 33.46 Peak    |
| 6    | 2748.600 | 61.88 -12.12 | 74.00  | 60.59 | 4.17  | 30.11  | 32.99 Peak    |

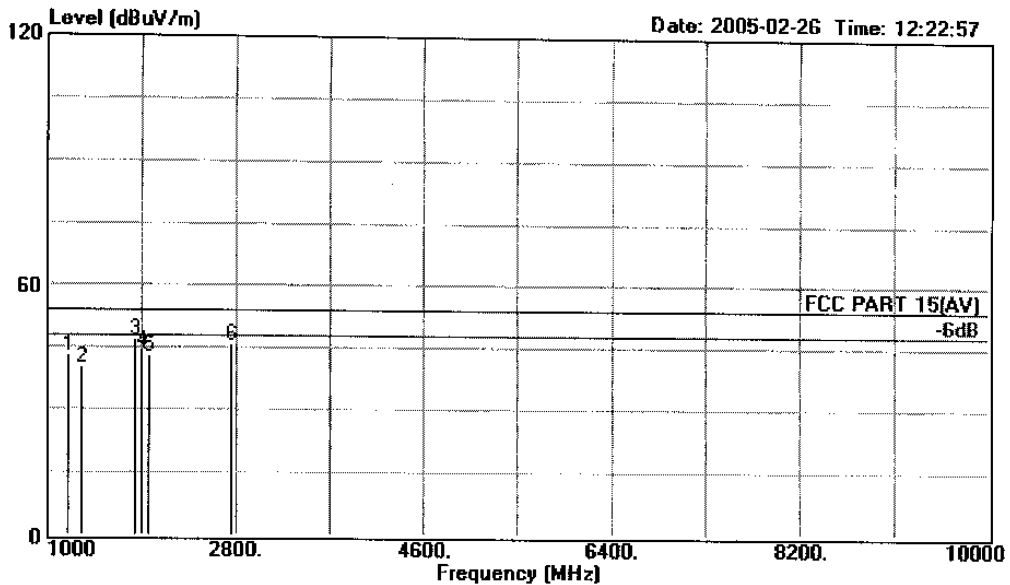


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Data#: 40 File#: C:\EMI TEST DATA\N\Nicetex.EMI



Site : 1# Chamber  
Condition : FCC PART 15(AV) 3m 3115 FACTOR HORIZONTAL  
EUT : 900MHz transmitter and Receive  
- : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input:120V/60Hz  
Test Engineer : Richzhy  
Memo : Tx (Highest Frequency)

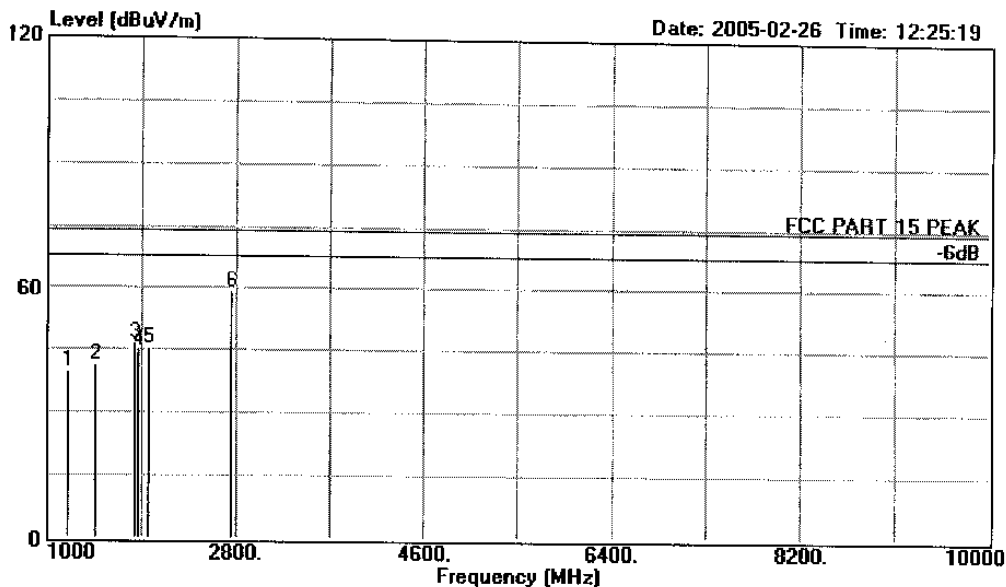
|   |          |        | Over   | Limit  | Read  | Cable | Probe  | Preamp |         |
|---|----------|--------|--------|--------|-------|-------|--------|--------|---------|
|   | Freq     | Level  | Limit  | Line   | Level | Loss  | Factor | Factor | Remark  |
|   | MHz      | dBuV/m | dB     | dBuV/m | dBuV  | dB    | dB     | dB     |         |
| 1 | 1198.000 | 43.20  | -10.80 | 54.00  | 50.35 | 2.96  | 24.80  | 34.91  | Average |
| 2 | 1333.000 | 40.20  | -13.80 | 54.00  | 46.70 | 3.09  | 25.07  | 34.66  | Average |
| 3 | 1832.400 | 47.10  | -6.90  | 54.00  | 52.12 | 1.54  | 27.16  | 33.72  | Average |
| 4 | 1891.000 | 44.30  | -9.70  | 54.00  | 49.19 | 1.24  | 27.48  | 33.61  | Average |
| 5 | 1963.000 | 43.20  | -10.80 | 54.00  | 47.92 | 0.86  | 27.88  | 33.46  | Average |
| 6 | 2748.600 | 46.10  | -7.90  | 54.00  | 44.81 | 4.17  | 30.11  | 32.99  | Average |



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Data#: 35 File#: C:\EMI TEST DATA\N\Nicetex.EMI



Site : 1# Chamber  
Condition : FCC PART 15 PEAK 3m 3115 FACTOR VERTICAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input:120V/60Hz  
Test Engineer : Richzhy  
Memo : Tx (Highest Frequency)

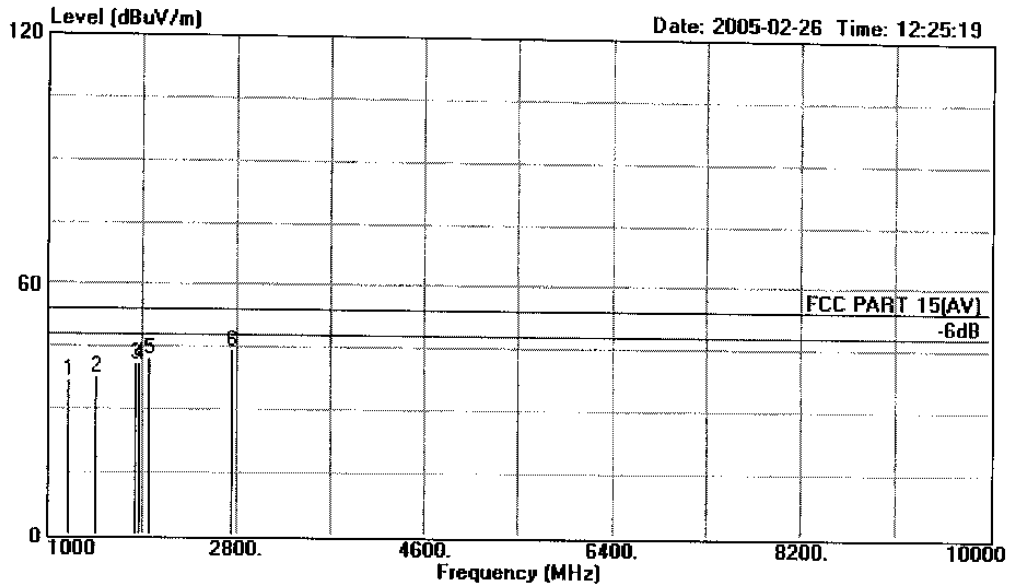
|   |          |        | Over   | Limit  | Read  | Cable | Probe  | Preamp |        |
|---|----------|--------|--------|--------|-------|-------|--------|--------|--------|
|   | Freq     | Level  | Limit  | Line   | Level | Loss  | Factor | Factor | Remark |
|   | MHz      | dBuV/m | dB     | dBuV/m | dBuV  | dB    | dB     | dB     |        |
| 1 | 1199.750 | 40.02  | -33.98 | 74.00  | 47.17 | 2.96  | 24.80  | 34.91  | Peak   |
| 2 | 1458.250 | 41.66  | -32.34 | 74.00  | 47.58 | 3.21  | 25.30  | 34.43  | Peak   |
| 3 | 1832.400 | 46.78  | -27.22 | 74.00  | 51.80 | 1.54  | 27.16  | 33.72  | Peak   |
| 4 | 1869.500 | 45.05  | -28.95 | 74.00  | 49.97 | 1.33  | 27.39  | 33.64  | Peak   |
| 5 | 1963.500 | 45.73  | -28.27 | 74.00  | 50.45 | 0.86  | 27.88  | 33.46  | Peak   |
| 6 | 2748.600 | 59.52  | -14.48 | 74.00  | 58.23 | 4.17  | 30.11  | 32.99  | Peak   |



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Data#: 41 File#: C:\EMI TEST DATA\N\Nicetex.EMI



Site : 1# Chamber  
Condition : FCC PART 15(AV) 3m 3115 FACTOR VERTICAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input:120V/60Hz  
Test Engineer : Richzhy  
Memo : Tx (Highest Frequency)

|   |          |        | Over   | Limit  | Read  | Cable | Probe  | Preamp |         |
|---|----------|--------|--------|--------|-------|-------|--------|--------|---------|
|   | Freq     | Level  | Limit  | Line   | Level | Loss  | Factor | Factor | Remark  |
|   | MHz      | dBuV/m | dB     | dBuV/m | dBuV  | dB    | dB     | dB     |         |
| 1 | 1199.750 | 37.20  | -16.80 | 54.00  | 44.35 | 2.96  | 24.80  | 34.91  | Average |
| 2 | 1458.250 | 37.90  | -16.10 | 54.00  | 43.82 | 3.21  | 25.30  | 34.43  | Average |
| 3 | 1832.400 | 41.10  | -12.90 | 54.00  | 46.12 | 1.54  | 27.16  | 33.72  | Average |
| 4 | 1869.500 | 41.10  | -12.90 | 54.00  | 46.02 | 1.33  | 27.39  | 33.64  | Average |
| 5 | 1963.500 | 42.30  | -11.70 | 54.00  | 47.02 | 0.86  | 27.88  | 33.46  | Average |
| 6 | 2748.600 | 44.50  | -9.50  | 54.00  | 43.21 | 4.17  | 30.11  | 32.99  | Average |

#### **4. DEVIATION TO TEST SPECIFICATIONS**

[ NONE]

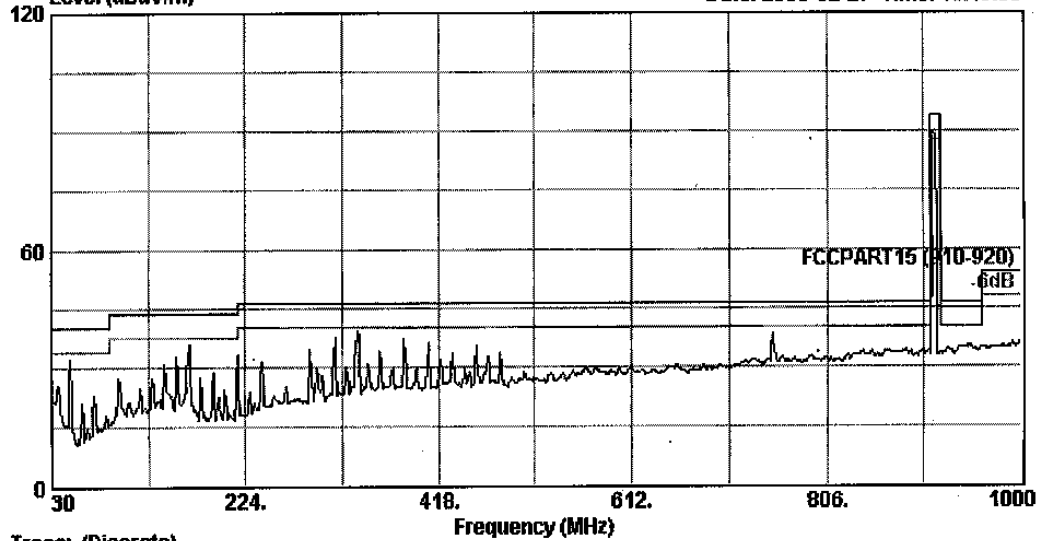
# **APPENDIX I**



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Fax: +86-755-26632877  
Postcode: 518057

Data: 64 File: D:\E3 Test Data\W\Nicetex.emi (80)  
Level (dBuV/m)

Date: 2005-02-27 Time: 15:19:50



Trace: (Discrete)

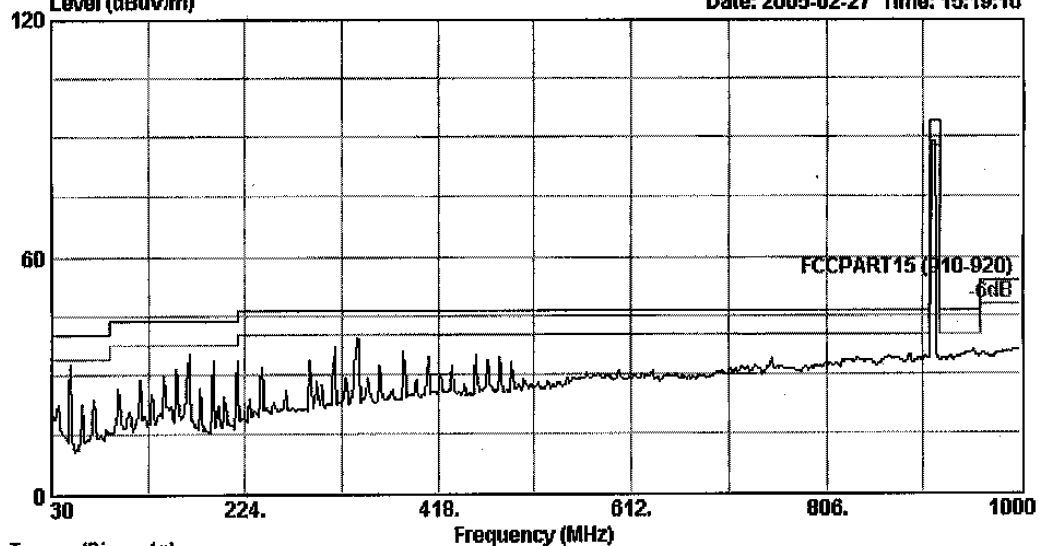
Site : 10m Chamber  
Condition : FCCPART15 (910-920) 3m 2768 FACTOR(3M) HORIZONTAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NR-511  
Power : DC6V Adaptor Input: 120V/60Hz  
Test Engineer: Richzhy  
Comment : Temp: 24' Humi: 56%  
Memo : Tx (Lowest Frequency)



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Postcode: 518057

Data: 63 File: D:\E3 Test Data\W\Nictex.eml (80)

Date: 2005-02-27 Time: 15:19:10



Trace: (Discrete)

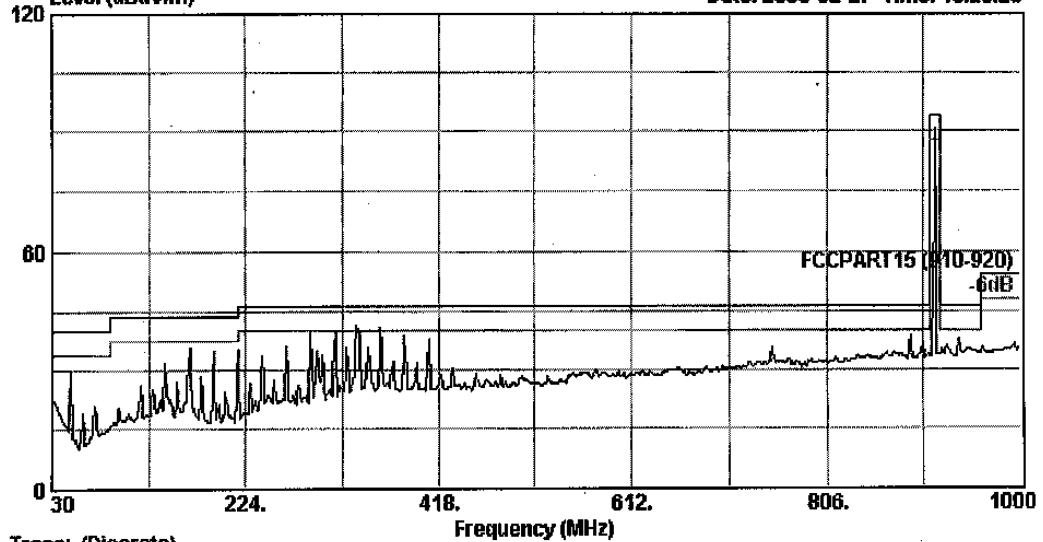
Site : 10m Chamber  
Condition : FCCPART15 (910-920) 3m 2768 FACTOR(3M) VERTICAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input: 120V/60Hz  
Test Engineer: Richzhy  
Comment : Temp: 24' Humi: 56%  
Memo : Tx (Lowest Frequency)



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Fax: +86-755-26632877  
Postcode: 518057

Data: 65 File: D:\E3 Test Data\N\Nictex.emi (80)  
Level (dBuV/m)

Date: 2005-02-27 Time: 15:28:20



Trace: (Discrete)

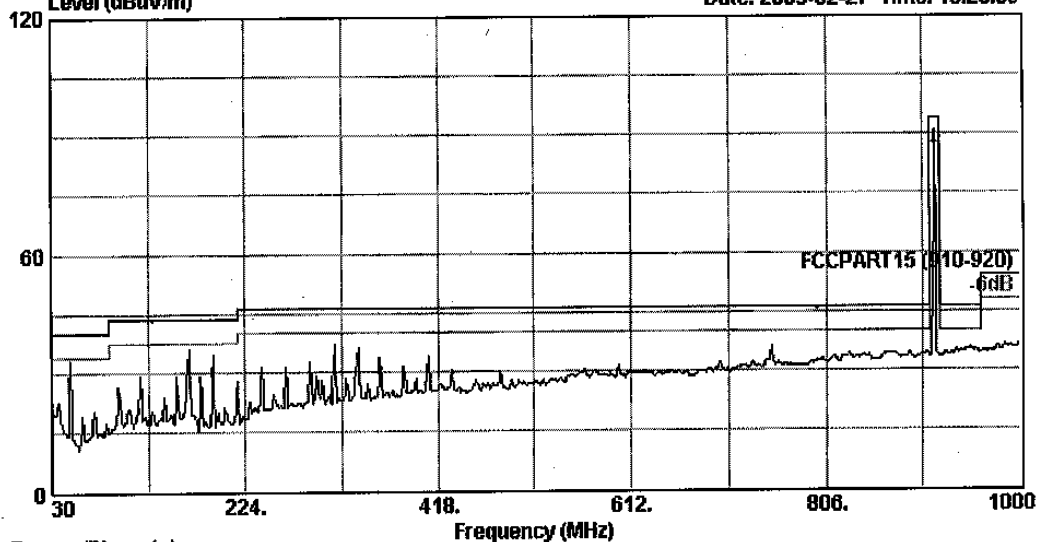
Site : 10m Chamber  
Condition : FCCPART15 (910-920) 3m 2768 FACTOR(3M) HORIZONTAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input: 120V/60Hz  
Test Engineer: Richshy  
Comment : Temp: 24' Humi: 56%  
Memo : Tx(Middle Frequency)



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Postcode: 518057

Data: 66 File: D:\E3 Test Data\N\Nictex.eml (80)

Date: 2005-02-27 Time: 15:28:59



Trace: (Discrete)

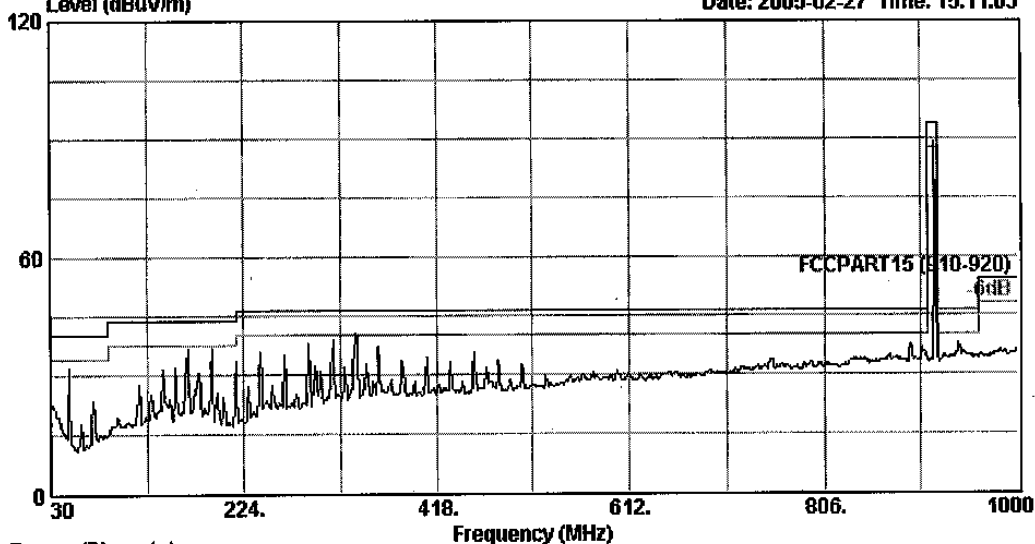
Site : 10m Chamber  
Condition : FCCPART15 (910-920) 3m 2768 FACTOR(3M) VERTICAL  
RUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input: 120V/60Hz  
Test Engineer: Richshy  
Comment : Temp: 24' Humd: 56%  
Memo : Tx(Middle Frequency)



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Postcode: 518057

Data: 61 File: D:\E3 Test Data\WNicetex.eml (80)

Date: 2005-02-27 Time: 15:11:03



Trace: (Discrete)

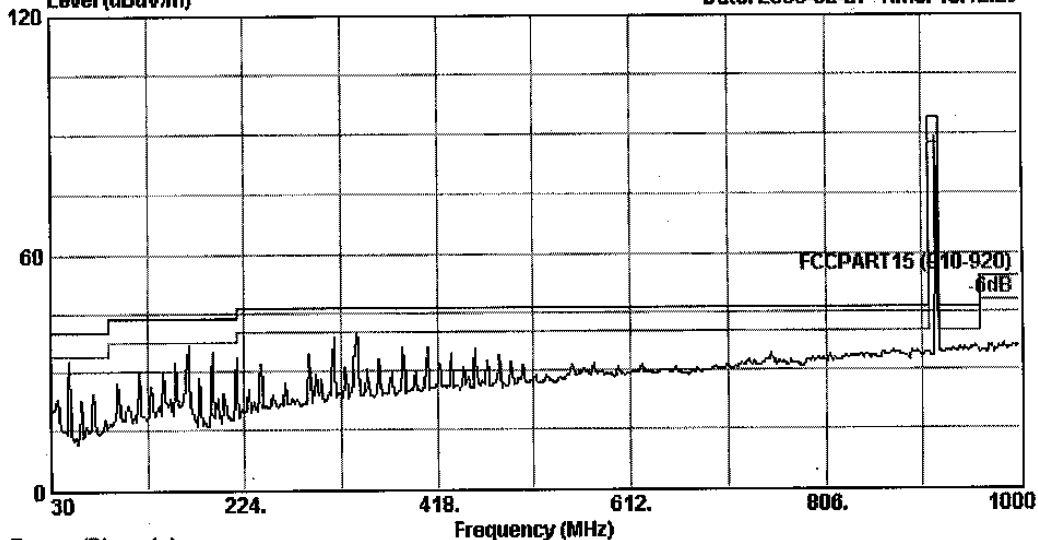
Site : 10m Chamber  
Condition : FCCPART15 (910-920) 3m 2768 FACTOR(3M) HORIZONTAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input: 120V/60Hz  
Test Engineer: Richelhy  
Comment : Temp: 24' Humi: 56%  
Memo : Tx(Highest Frequency)



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Postcode: 518057

Data: 62 File: D:\E3 Test Data\N\Nictex.xml (80)  
Level (dBuV/m)

Date: 2005-02-27 Time: 15:12:29



Trace: (Discrete)

Site : 10m Chamber  
Condition : FCCPART15 (910-920) 3m 2768 FACTOR(3M) VERTICAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input: 120V/60Hz  
Test Engineer: Richzhy  
Comment : Temp: 24' Humd: 56%  
Memo : Tx(Highest Frequency)

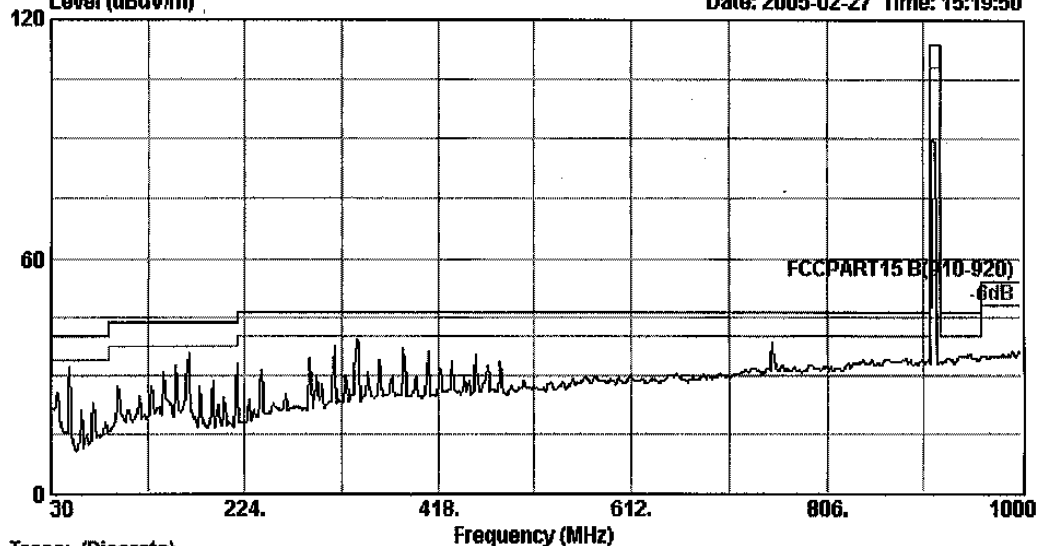
# **APPENDIX II**



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Fax: +86-755-26632877  
Postcode: 518057

Data: 64 File: D:\E3 Test Data\WNIcetex.emi (80)

Date: 2005-02-27 Time: 15:19:50



Trace: (Discrete)

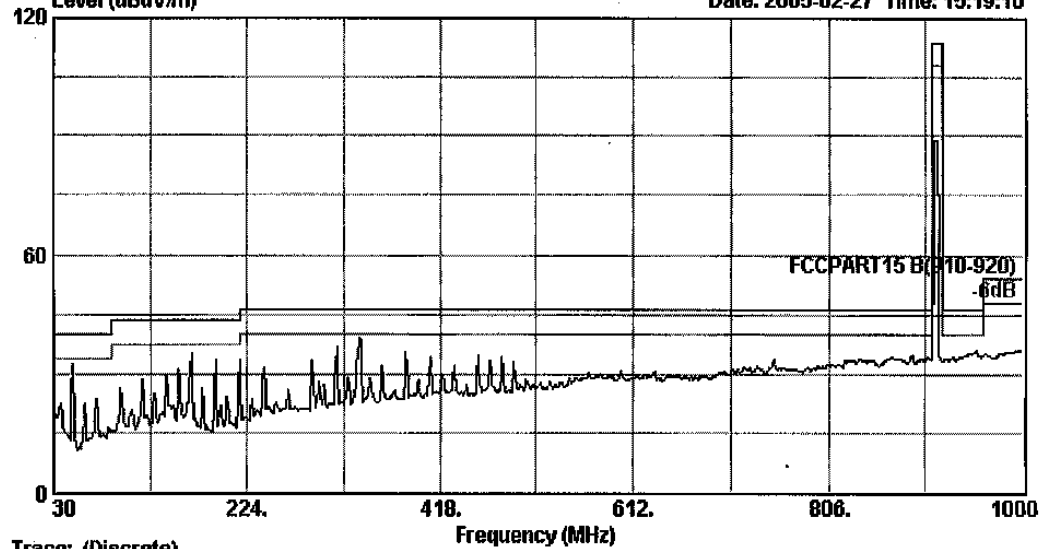
Site : 10m Chamber  
Condition : FCC PART 15 B (910-920) 3m 2768 FACTOR(3M) HORIZONTAL  
EUT : 900MHz transmitter and Receive  
- : (Speaker with USB)  
M/N : NR-511  
Power : DC6V Adaptor Input: 120V/60Hz  
Test Engineer: Richzhy  
Comment : Temp: 24 Humi: 56%  
Memo : Tx (Lowest Frequency)



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Fax: +86-755-26632877  
Postcode: 518057

Data: 63 File: D:\E3 Test Data\N\Nictetex.emi (80)  
Level (dBuV/m)

Date: 2005-02-27 Time: 15:19:10



Trace: (Discrete)

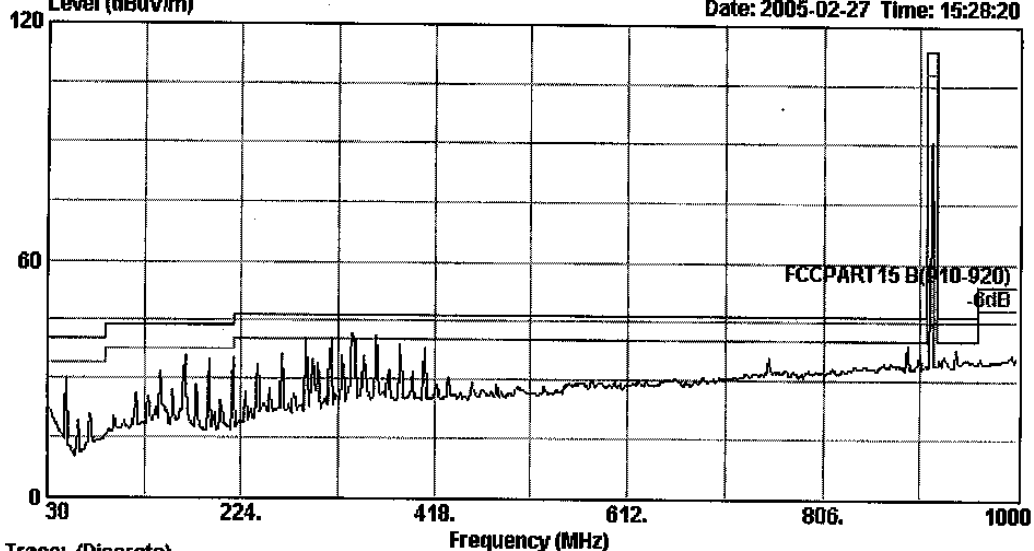
Site : 10m Chamber  
Condition : FCCPART15 B(910-920) 3m 2768 FACTOR(3M) VERTICAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input: 120V/60Hz  
Test Engineer: Richzhy  
Comment : Temp: 24' Humd: 56%  
Memo : Tx(Lowest Frequency)



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Data: 65 File: D:\E3 Test Data\W\N\N\catex.eml (00)  
Level (dBuV/m)

Date: 2005-02-27 Time: 15:28:20



Trace: (Discrete)

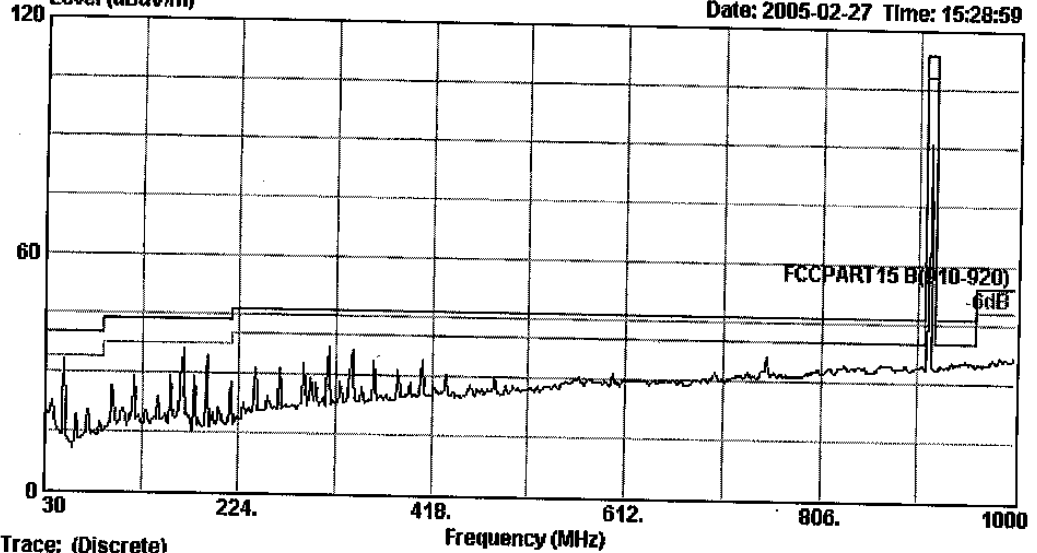
Site : 10m Chamber  
Condition : FCCPART15 B(910-920) 3m 2768 FACTOR(3M) HORIZONTAL  
EUT : 900MHz transmitter and Receive  
- : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input: 120V/60Hz  
Test Engineer: Richzhy  
Comment : Temp: 24' Humd: 56%  
Memo : Tx(Middle Frequency)



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Postcode: 518057**

Data: 66 File: D:\E3 Test Data\W\N\Nictex.emi (80)  
Level (dBuV/m) 120

**Date: 2005-02-27 Time: 15:28:59**



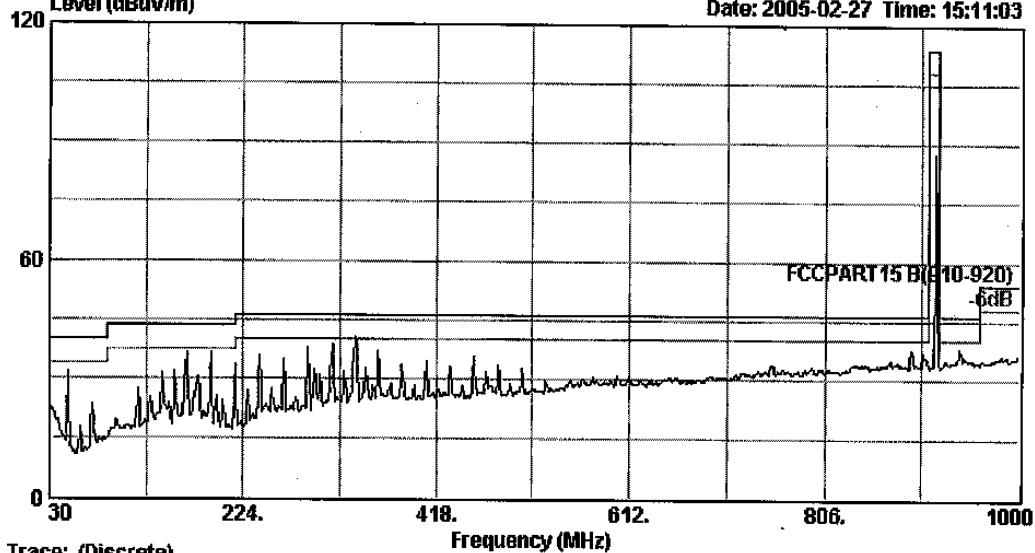
| Trace: (Discrete)                                            | Frequency (MHz) |
|--------------------------------------------------------------|-----------------|
| Site : 10m Chamber                                           |                 |
| Condition : ECCPART15 B(910-920) 3m 2768 FACTOR(3M) VERTICAL |                 |
| EUT : 900MHz transmitter and Receive                         |                 |
| . : (Speaker with USB)                                       |                 |
| M/N : NE-511                                                 |                 |
| Power : DC6V Adaptor Input: 120V/60Hz                        |                 |
| Test Engineer: Richa                                         |                 |
| Comment : Temp: 24' Humd: 56%                                |                 |
| Memo : Tx(Middle Frequency)                                  |                 |



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Data: 61 File: D:\E3 Test Data\W\Wicetex.xml (80)

Date: 2005-02-27 Time: 15:11:03



Trace: (Discrete)

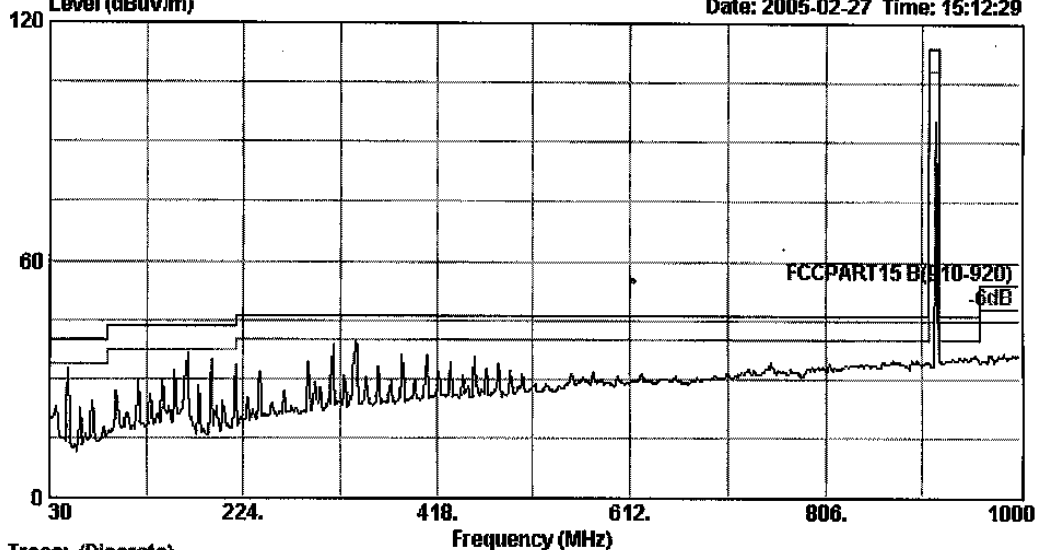
Site : 10m Chamber  
Condition : FCCPART15 B(910-920) 3m 2768 FACTOR(3M) HORIZONTAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input: 120V/60Hz  
Test Engineer: Richzhy  
Comment : Temp: 24' Humi: 56%  
Memo : Tx(Highest Frequency)



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Postcode: 518057

Data: 62 File: D:\E3 Test Data\W\Nicetex.eml (80)

Date: 2005-02-27 Time: 15:12:29



Trace: (Discrete)

Site : 10m Chamber  
Condition : FCCPART15 B (910-920) 3m 2768 FACTOR(3M) VERTICAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NR-511  
Power : DC6V Adaptor Input: 120V/60Hz  
Test Engineer: Richzhy  
Comment : Temp: 24' Humi: 56%  
Memo : Tx (Highest Frequency)

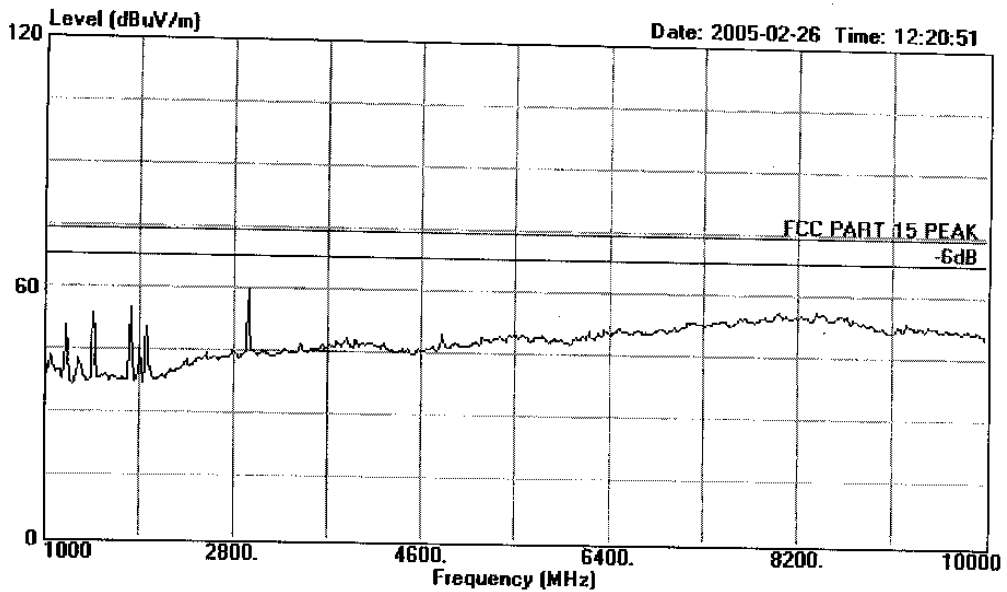


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Data#: 27 File#: C:\EMI TEST DATA\N\Nicetex.EMI



Site : 1# Chamber  
Condition : FCC PART 15 PEAK 3m 3115 FACTOR HORIZONTAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input:120V/60Hz  
Test Engineer : Richzhy  
Memo : Tx (Lowest Frequency)

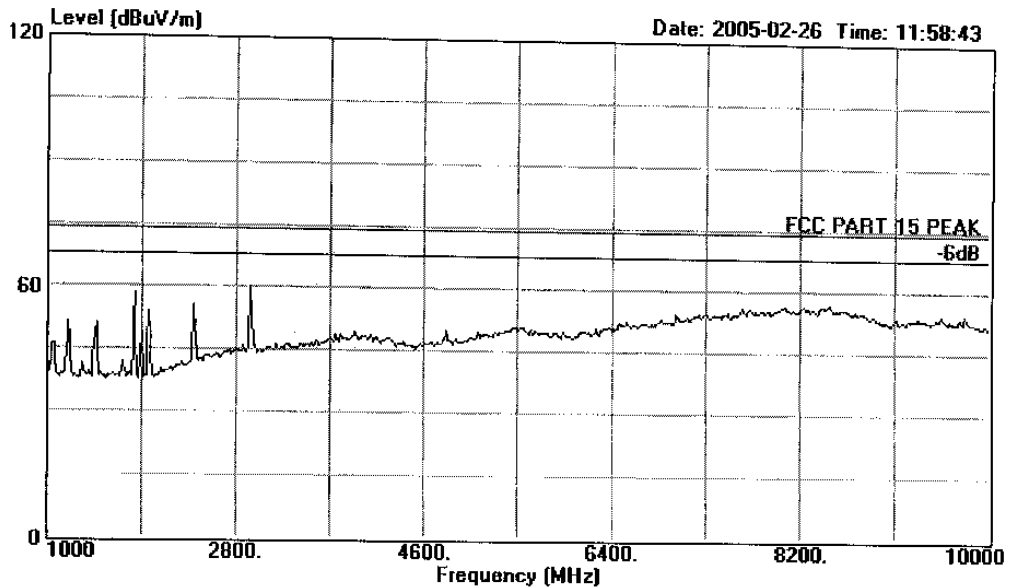


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Data#: 26 File#: C:\EMI TEST DATA\N\Nicetex.EMI



Site : 1# Chamber  
Condition : FCC PART 15 PEAK 3m 3115 FACTOR VERTICAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input:120V/60Hz  
Test Engineer : Richzhy  
Memo : Tx (Lowest Frequency)

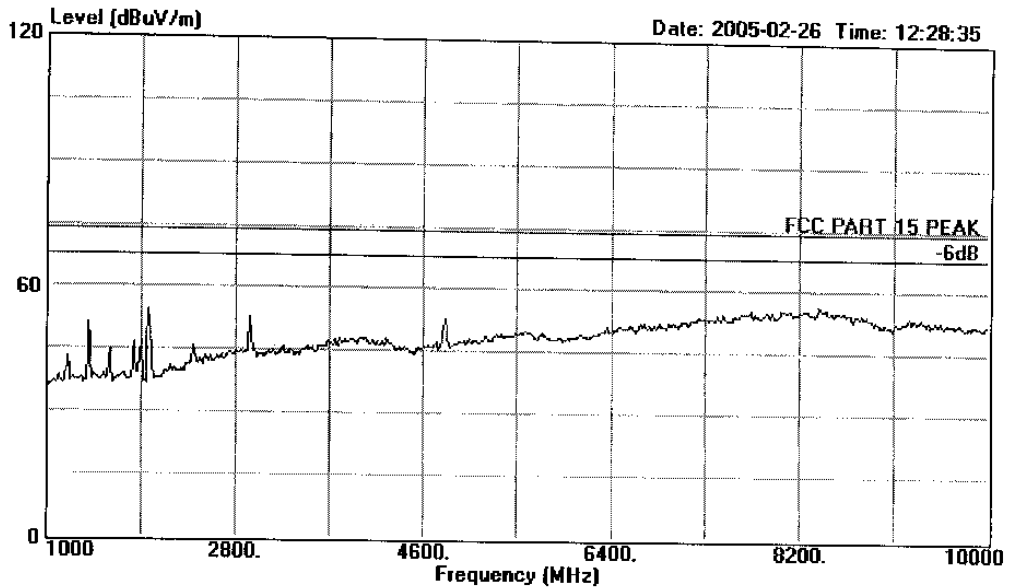


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Data#: 31 File#: C:\EMI TEST DATA\N\Nicetex.EMI



Site : 1# Chamber  
Condition : FCC PART 15 PEAK 3m 3115 FACTOR HORIZONTAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input:120V/60Hz  
Test Engineer : Richzhy  
Memo : Tx (Middle Frequency)

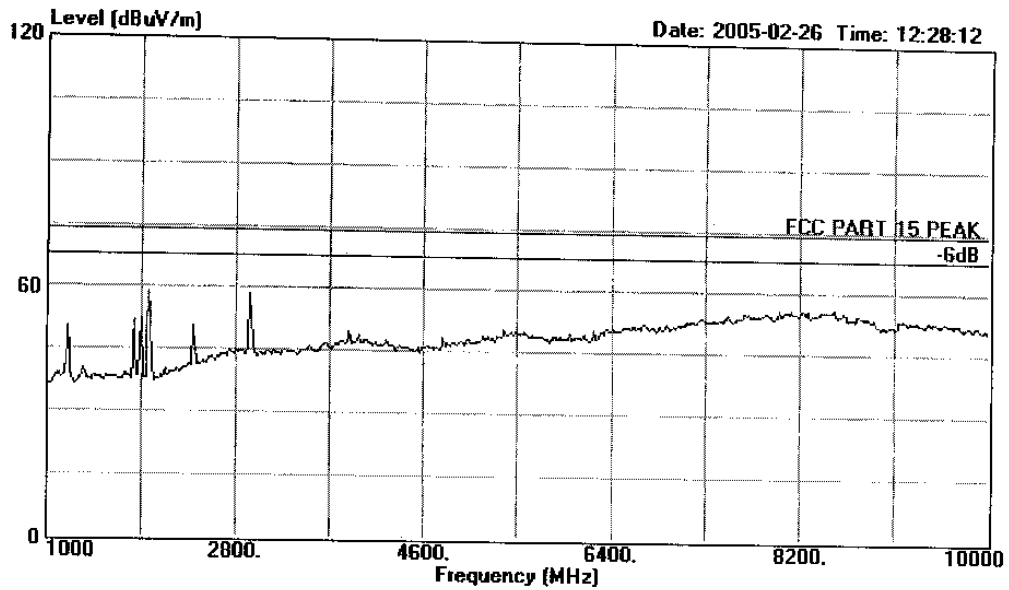


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Data#: 30 File#: C:\EMI TEST DATA\N\Nicetex.EMI



Site : 1# Chamber  
Condition : FCC PART 15 PEAK 3m 3115 FACTOR VERTICAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input:120V/60Hz  
Test Engineer : Richzhy  
Memo : Tx (Middle Frequency)



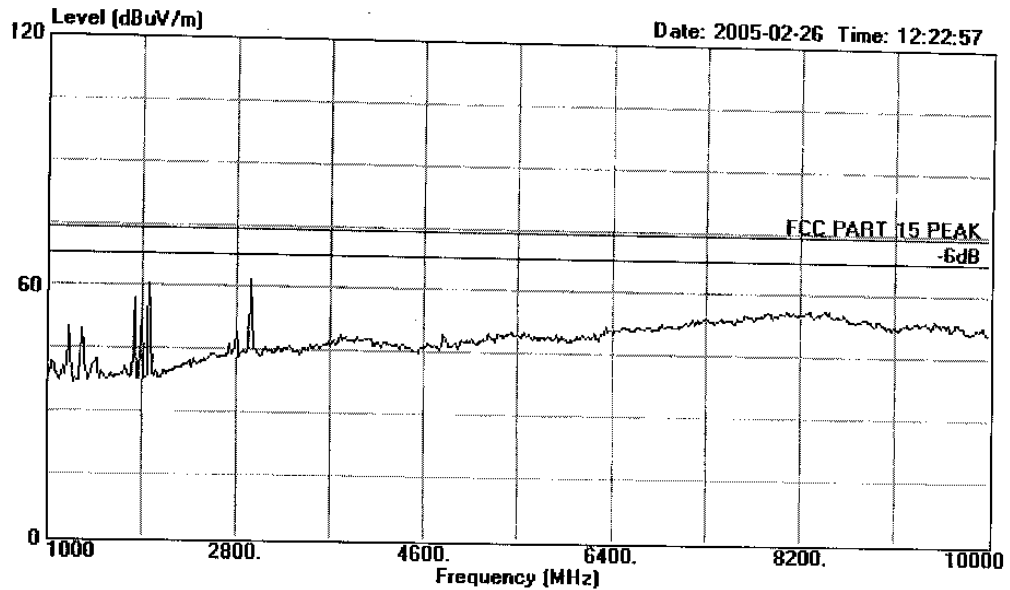
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Data#: 28

File#: C:\EMI TEST DATA\N\Nicetex.EMI



Site : 1# Chamber  
Condition : FCC PART 15 PEAK 3m 3115 FACTOR HORIZONTAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input:120V/60Hz  
Test Engineer : Richzhy  
Memo : Tx (Highest Frequency)



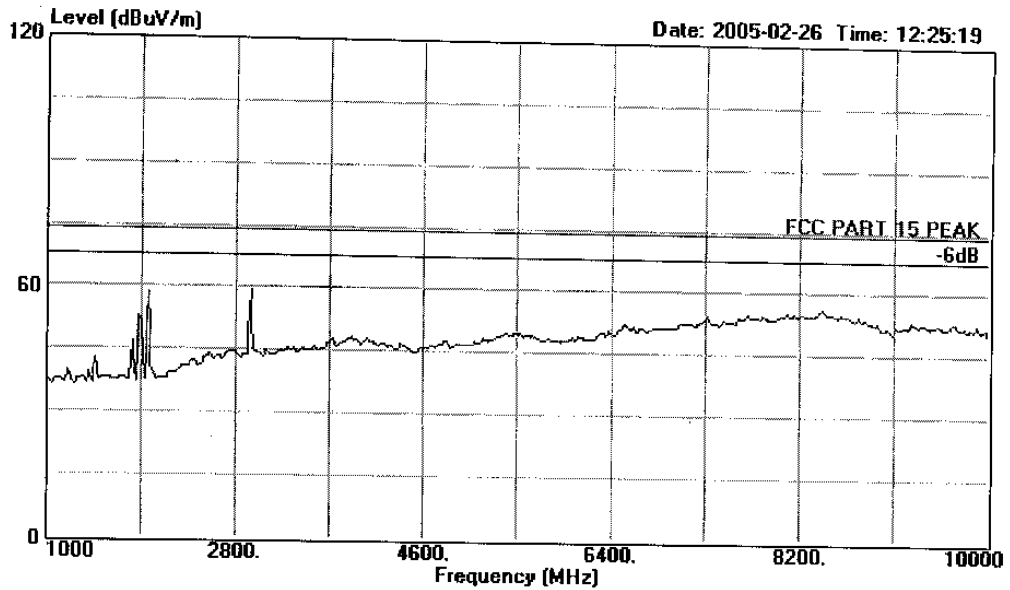
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Data#: 29

File#: C:\EMI TEST DATA\N\Nicetex.EMI



Site : 1# Chamber  
Condition : FCC PART 15 PEAK 3m 3115 FACTOR VERTICAL  
EUT : 900MHz transmitter and Receive  
 : (Speaker with USB)  
M/N : NE-511  
Power : DC6V Adaptor Input:120V/60Hz  
Test Engineer : Richzhy  
Memo : Tx (Highest Frequency)