

**SGS-CSTC Standards  
Technical Services Co., Ltd.**

1/F, 7/F, 9/F, 10/F, the 3rd Building No. 889,  
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

Report No.: SHEMO060500300IT  
Page 1 of 53

## ***FCC TEST REPORT(DOC)***

**Application No.:** SHEMO060500300IT

**Applicant:** T&A Mobile Phones

**Equipment Under Test (EUT):**

**NOTE:** The following sample(s) submitted was/were identified on behalf of the client as

**EUT Name:** GSM Mobile Phone  
**Model No.:** BD02A  
**Marketing Name:** ELLE N° 2 Coleccion 2007  
**Item No.:** Not supplied by client  
**Serial No.:** Not supplied by client  
**Standards:** CFR 47 part 2: 2004,  
CFR 47 Part 15: 2005,  
ANSI C63.4: 2003

**Date of Receipt:** 8 May, 2006

**Date of Test:** 10 May, 2006 to 23 May, 2006

**Date of Issue:** 25 May, 2006

|                      |             |
|----------------------|-------------|
| <b>Test Result :</b> | <b>PASS</b> |
|----------------------|-------------|

Authorized Signature:



Tino Pan  
E&E Section Head  
SGS-CSTC Co., Ltd.



Parker Liu  
E&E Project Engineer  
SGS-CSTC Co., Ltd

This report refers to the General Conditions for Inspection and Testing Services, printed overleaf

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the SGS PRODUCT CERTIFICATION MARK.. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

All test results in this report can be traceable to National or International Standards.

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Report No.: SHEMO060500300IT  
Page 2 of 53

## 2 Test Summary

| Test                               | Test Requirement | Test Method      | Class / Severity | Result |
|------------------------------------|------------------|------------------|------------------|--------|
| Radiated Emission<br>30MHz-1000MHz | CFR 47 Part 15   | ANSI C63.4: 2003 | Class B          | PASS   |
| Conducted Emission<br>150KHz-30MHz | CFR 47 Part 15   | ANSI C63.4: 2003 | Class B          | PASS   |

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Report No.: SHEMO060500300IT  
Page 3 of 53

## 3 Contents

|                                                      | Page      |
|------------------------------------------------------|-----------|
| <b>1 COVER PAGE.....</b>                             | <b>1</b>  |
| <b>2 TEST SUMMARY.....</b>                           | <b>2</b>  |
| <b>3 CONTENTS .....</b>                              | <b>3</b>  |
| <b>4 GENERAL INFORMATION.....</b>                    | <b>4</b>  |
| 4.1 CLIENT INFORMATION .....                         | 4         |
| 4.2 GENERAL DESCRIPTION OF E.U.T.....                | 4         |
| 4.3 DETAILS OF E.U.T. ....                           | 4         |
| 4.4 DESCRIPTION OF SUPPORT UNITS .....               | 5         |
| 4.5 STANDARDS APPLICABLE FOR TESTING.....            | 5         |
| 4.6 TEST LOCATION.....                               | 5         |
| 4.6 DEVIATION FROM STANDARDS .....                   | 6         |
| 4.7 ABNORMALITIES FROM STANDARD CONDITIONS .....     | 6         |
| 4.8 MONITORING OF EUT FOR ALL IMMUNITY TEST.....     | 6         |
| 4.9 TEST CONFIDENT LEVEL .....                       | 6         |
| <b>5 EQUIPMENTS USED DURING TEST .....</b>           | <b>7</b>  |
| <b>6 EMISSION TEST RESULTS.....</b>                  | <b>8</b>  |
| 6.1 RADIATED EMISSIONS, 30MHz TO 1GHz .....          | 8         |
| 6.1.1 E.U.T. Operation.....                          | 8         |
| 6.1.2 Test setup: .....                              | 8         |
| 6.1.3 Test Result: .....                             | 9         |
| 6.2 CONDUCTED EMISSIONS, 150kHz TO 30MHz .....       | 29        |
| 6.2.1 E.U.T. Operation.....                          | 29        |
| 6.2.2 Test Result and Partial Measurement Data ..... | 29        |
| <b>7 PHOTOGRAPHS.....</b>                            | <b>50</b> |
| 7.1 RADIATED EMISSION TEST SETUP.....                | 50        |
| 7.2 CONDUCTED EMISSION TEST SETUP .....              | 51        |
| 7.3 EUT CONSTRUCTIONAL DETAILS .....                 | 52        |

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Report No.: SHEMO060500300IT  
Page 4 of 53

## 4 General Information

### 4.1 Client Information

Applicant: T&A Mobile Phones  
Address of Applicant: 3/F, B2 BLOCK, DIGITAL TECHNOLOGY YARD, GAOXIN  
NAN QI ROAD, NAN SHAN DISTRICT, SHENZHEN,  
GUANGDONG, P.R.CHINA

### 4.2 General Description of E.U.T.

EUT Name: GSM Mobile Phone  
Model No.: BD02A  
Marketing Name: ELLE N° 2 Coleccion 2007  
Brand Name: Not supplied by client  
Serial No.: Not supplied by client

### 4.3 Details of E.U.T.

Power Supply 01: AC to DC charger(Model number: 3DS09371AGAA Input: 100V-127V~, 50/60Hz 0.15A Output:DC 4.5V, 0.35A)

P/N: 3DS09371AGAA

Manufactures: Astec

Power Cord 01: 2 m

Power Supply 02: AC to DC charger(Model number: 3DS09371AGAA Input: 100V-127V~, 0.3A 50/60Hz Output:DC 4.5V, 0.35A)

P/N: 3DS09371AGAA

Manufactures: Leader

Power Cord 02: 2.05 m

Power Supply03: AC to DC charger (Model NO: 3DS09371AAAA Input: AC 220V-240V~, 50/60Hz 0.3A Output: DC 4.5V, 0.35A)

Manufactures: Astec

Power Cord03: 2m

Power Supply04: AC to DC charger (Model NO: 3DS09371AAAA Input: AC 220V-240V~, 50/60Hz 0.15A Output:DC 4.5V, 0.35A)

Manufactures: Leader

Power Cord04: 2.06m

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Report No.: SHEMA060500300IT  
Page 5 of 53

Power Supply05: DC to DC charger (Model NO: 3DS07848AAAA Input: DC 12V/24V Output: DC 4.5V)  
Manufactures: Primax

Power Cord05: 2.64m  
Headset P/N: 3DS07855AAAA  
Manufacturers: Merry

Batthey DC 3.7V / 650mAh  
Manufacturers: BYD

#### 4.4 Description of Support Units

| Name / Function | Model No | Remark |
|-----------------|----------|--------|
| N/A             | N/A      | N/A    |

#### 4.5 Standards Applicable for Testing

The customer requested EMC tests for a GSM Mobile Phone.

The standards used was CFR 47 part 2: 2004 and CFR 47 part 15: 2005:

**Table 1 : Tests Carried Out Under CFR 47 Part 15: 2005 :**

| Standard                    |                    | Status |
|-----------------------------|--------------------|--------|
| FCC Part 15 Subpart B: 2005 | Radiated Emission  | √      |
| FCC Part 15 Subpart B: 2005 | Conducted Emission | √      |

× Indicates that the test is not applicable  
√ Indicates that the test is applicable

#### 4.6 Test Location

Radiated Emission was performed at:

SIMT EMC Laboratory, 1/F, Building No.1, Agriculture Machinery Materials Company  
No.716 Yi shan Road, Shanghai, P.R.China.  
Tel: +86 21 64701390 Fax: +86 21 64514252

Conducted Emission was performed at SGS E&E EMC lab

SGS-CSTC EMC Laboratory, No.889 Yishan Road, Shanghai, P.R.China  
Tel:+86 21 61402666 Fax: +86 21 54500954

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Report No.: SHEMO060500300IT  
Page 6 of 53

### 4.6 Deviation from Standards

None.

### 4.7 Abnormalities from Standard Conditions

None.

### 4.8 Monitoring of EUT for All Immunity Test

N/A

### 4.9 Test Confident level

Test Confident level is recognized, certified, or accredited by the following organizations:

#### **NVLAP – Lab Code: 200632-0**

SIMT EMC Laboratory is recognized under the National Voluntary Laboratory Accreditation Program (NVLAP/NIST).  
NVLAP Code: 200632-0. Effective through December 31, 2004.

#### **VCCI**

The 10m Semi-anechoic chamber and Shielded Room of SIMT have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: 1153.  
Date of Registration: May 29, 2004. Valid until May 18, 2007

#### **CNAL – LAB Code: L0134**

SIMT EMC Laboratory has been assessed and in compliance with CNAL/AC01:2002 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:1999 General Requirements) for the Competence of Testing Laboratories.

#### **FCC – Registration No.: 142171**

SIMT 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 142171, December 9, 2002. With the above and NVLAP, SIMT is an authorized test laboratory for the DoC process.

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Report No.: SHEMO060500300IT  
Page 7 of 53

## 5 Equipments Used during Test

### Radiated Emission Test in Chamber CFR 47 part 15: 2005

| Item | Test Equipment                          | Manufacturer | Model No. | Serial No. | Cal. Date  | Cal. Date  |
|------|-----------------------------------------|--------------|-----------|------------|------------|------------|
| 1    | HORN ANTENNA                            | R&S          | HF 906    | 100023     | 2005.07.24 | 2006.07.23 |
| 2    | BROADBAND ANTENNA                       | R&S          | HL 562    | 100019     | 2005.10.10 | 2006.10.09 |
| 3    | EMI TEST RECEIVER                       | R&S          | ESI 26    | 838786/011 | 2005.08.13 | 2006.08.13 |
| 4    | UNIVERSAL RADIO<br>COMMUNICATION TESTER | R&S          | CMU 200   | SHEM04-1   | 2005.09.01 | 2006.08.31 |

### Conducted Emission CFR 47 part 15: 2005

| Item | Test Equipment                          | Manufacturer | Model No. | Serial No. | Cal. Date  | Cal. Date  |
|------|-----------------------------------------|--------------|-----------|------------|------------|------------|
| 1    | EMI TEST RECEIVER                       | R&S          | ESCS 30   | 100070     | 2005.08.28 | 2006.08.27 |
| 2    | ARTIFICIAL MAINS NETWORK                | R&S          | ESH2-Z5   | 100030     | 2005.09.19 | 2006.09.18 |
| 3    | UNIVERSAL RADIO<br>COMMUNICATION TESTER | R&S          | CMU 200   | SHEM04-1   | 2005.09.01 | 2006.08.31 |

### General Equipment

| Item | Test Equipment                       | Manufacturer         | Model No. | Serial No.              | Cal. Date  | Cal. Date  |
|------|--------------------------------------|----------------------|-----------|-------------------------|------------|------------|
| 1    | Temperature, Humidity &<br>Barometer | Oregon<br>Scientific | BA-888    | EMC0001 to<br>EMC0004   | 2005.07.25 | 2006.07.24 |
| 2    | DMM                                  | Fluke                | 73        | 70681569 or<br>70671122 | 2005.07.23 | 2006.07.22 |

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Report No.: SHEMO060500300IT  
Page 8 of 53

## 6 Emission Test Results

### 6.1 Radiated Emissions, 30MHz to 1GHz

|                       |                                                 |
|-----------------------|-------------------------------------------------|
| Test Requirement:     | CFR 47 Part 15                                  |
| Test Method:          | ANSI C63.4, CISPR 22                            |
| Test Date:            | 20 May, 2006                                    |
| Frequency Range:      | 30MHz to 1GHz                                   |
| Measurement Distance: | 3m for ANSI C63.4 and 10m for CISPR 22          |
| Class:                | N/A                                             |
| Detector:             | Peak for pre-scan (120kHz resolution bandwidth) |

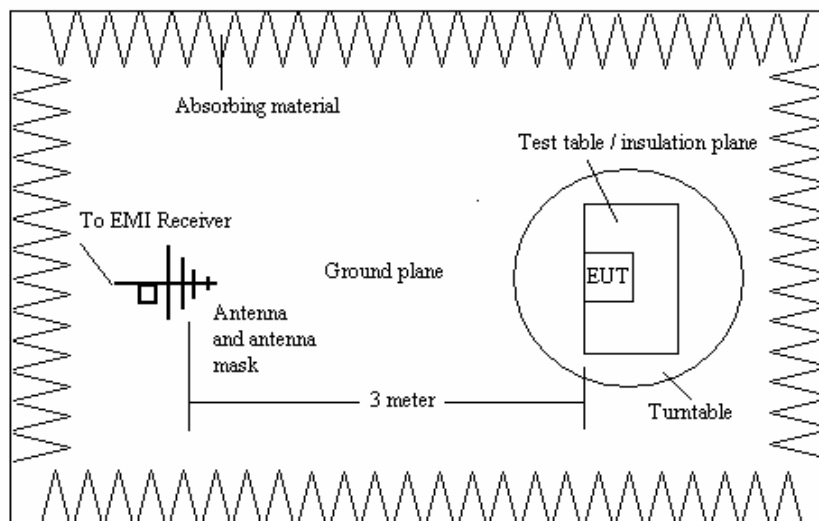
#### 6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 25.0 °C Humidity: 55 % RH Atmospheric Pressure: 1004 mbar

EUT Operation: EUT allocated channel mode Charging, GSM850, PCS 1900 with headset.

#### 6.1.2 Test setup:



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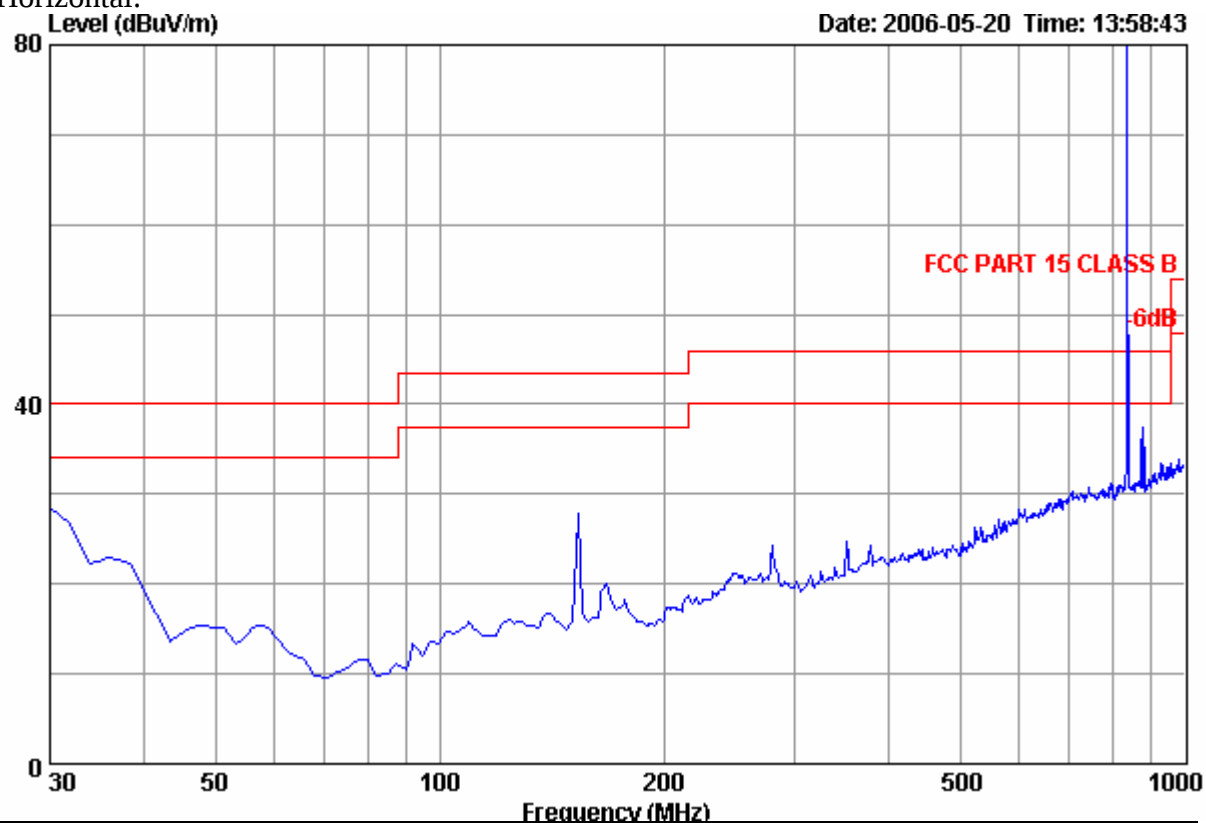
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Report No.: SHEMA060500300IT  
Page 9 of 53

## 6.1.3 Test Result:

GSM 850 connected: (test Mobile with 3DS09371AGAA of Leader power adaptor and headset.)

Horizontal:



| Frequency (MHz) | Antenna Polarization | Receiver QP Reading (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Turntable Angle (°) |
|-----------------|----------------------|------------------------------|----------------|-------------|---------------------|---------------------|
| 30              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 45              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 88              | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 150             | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 216             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 560             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 960             | Horizontal           | *                            | 54             | *           | -                   | -                   |
| 1000            | Horizontal           | *                            | 54             | *           | -                   | -                   |

1. All readings are Peak values.

2. "\*" means the emission level is 6 dB below the relevant limit.

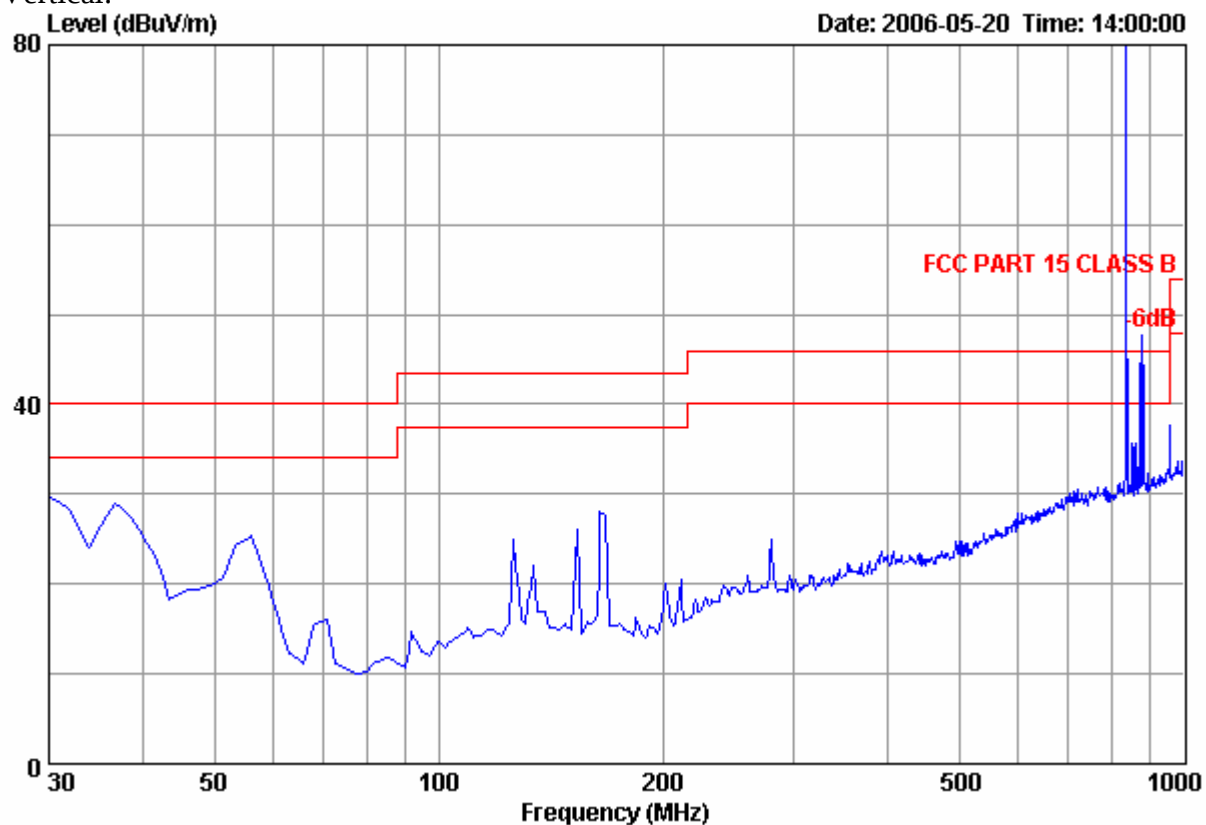
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Report No.: SHEMA060500300IT  
Page 10 of 53

Vertical:



| Frequency (MHz) | Antenna Polarization | Receiver QP Reading (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Turntable Angle (°) |
|-----------------|----------------------|------------------------------|----------------|-------------|---------------------|---------------------|
| 30              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 45              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 88              | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 150             | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 216             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 560             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 960             | Horizontal           | *                            | 54             | *           | -                   | -                   |
| 1000            | Horizontal           | *                            | 54             | *           |                     |                     |

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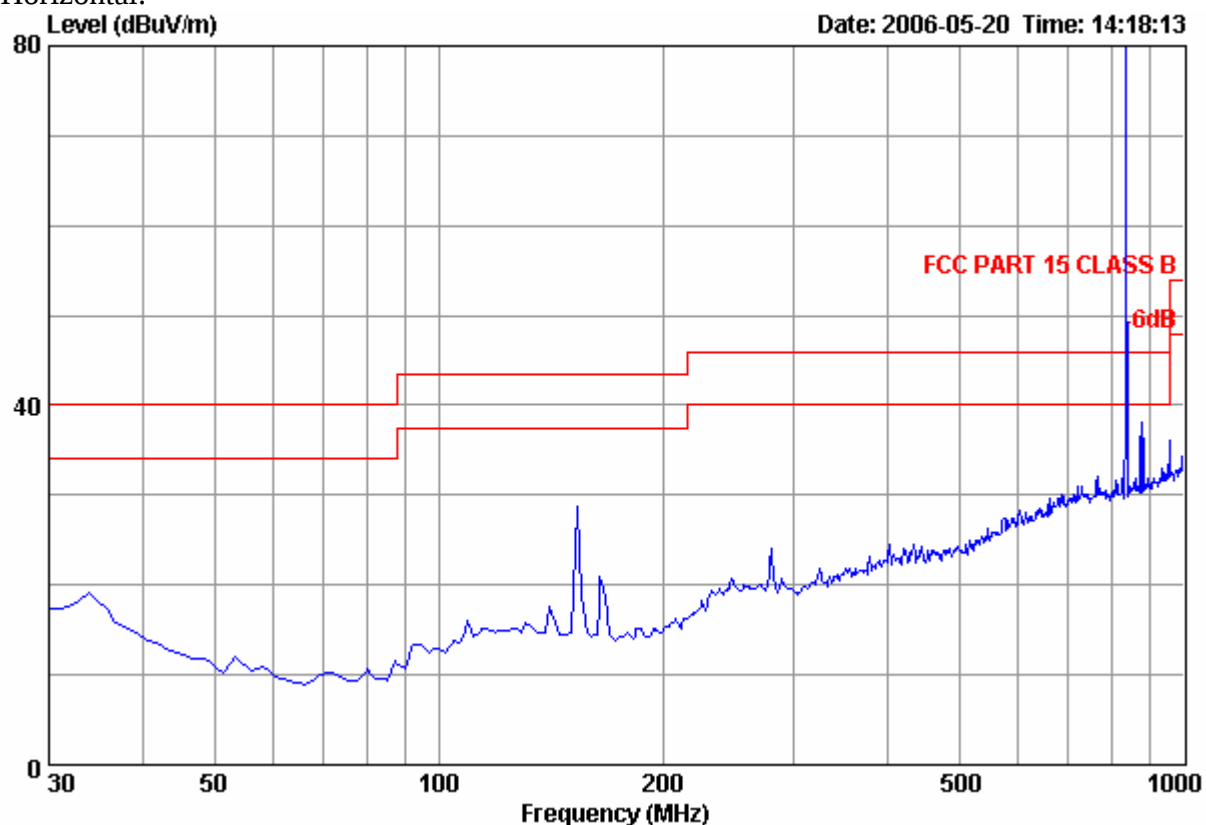
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Fax: +86 (0) 21 5450 0954  
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Report No.: SHEMA060500300IT  
Page 11 of 53

GSM 850 connected: (test Mobile with 3DS09371AGAA of Astec power adaptor and headset.)

Horizontal:



| Frequency (MHz) | Antenna Polarization | Receiver QP Reading (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Turntable Angle (°) |
|-----------------|----------------------|------------------------------|----------------|-------------|---------------------|---------------------|
| 30              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 45              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 88              | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 150             | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 216             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 560             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 960             | Horizontal           | *                            | 54             | *           | -                   | -                   |
| 1000            | Horizontal           | *                            | 54             | *           | -                   | -                   |

1. All readings are Peak values.
2. "\*" means the emission level is 6 dB below the relevant limit.

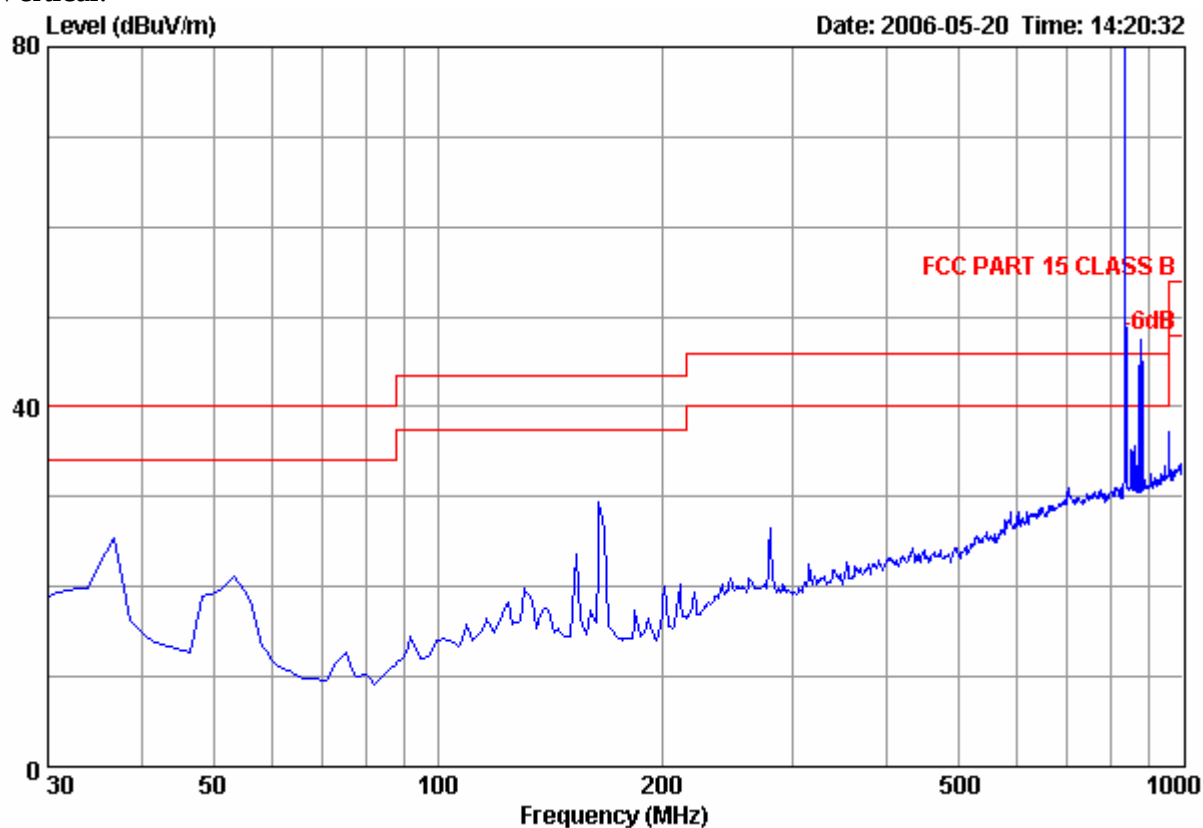
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Report No.: SHEMA060500300IT  
Page 12 of 53

Vertical:



| Frequency (MHz) | Antenna Polarization | Receiver QP Reading (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Turntable Angle (°) |
|-----------------|----------------------|------------------------------|----------------|-------------|---------------------|---------------------|
| 30              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 45              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 88              | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 150             | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 216             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 560             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 960             | Horizontal           | *                            | 54             | *           | -                   | -                   |
| 1000            | Horizontal           | *                            | 54             | *           |                     |                     |

1. All readings are Peak values.
2. "\*" means the emission level is 6 dB below the relevant limit.

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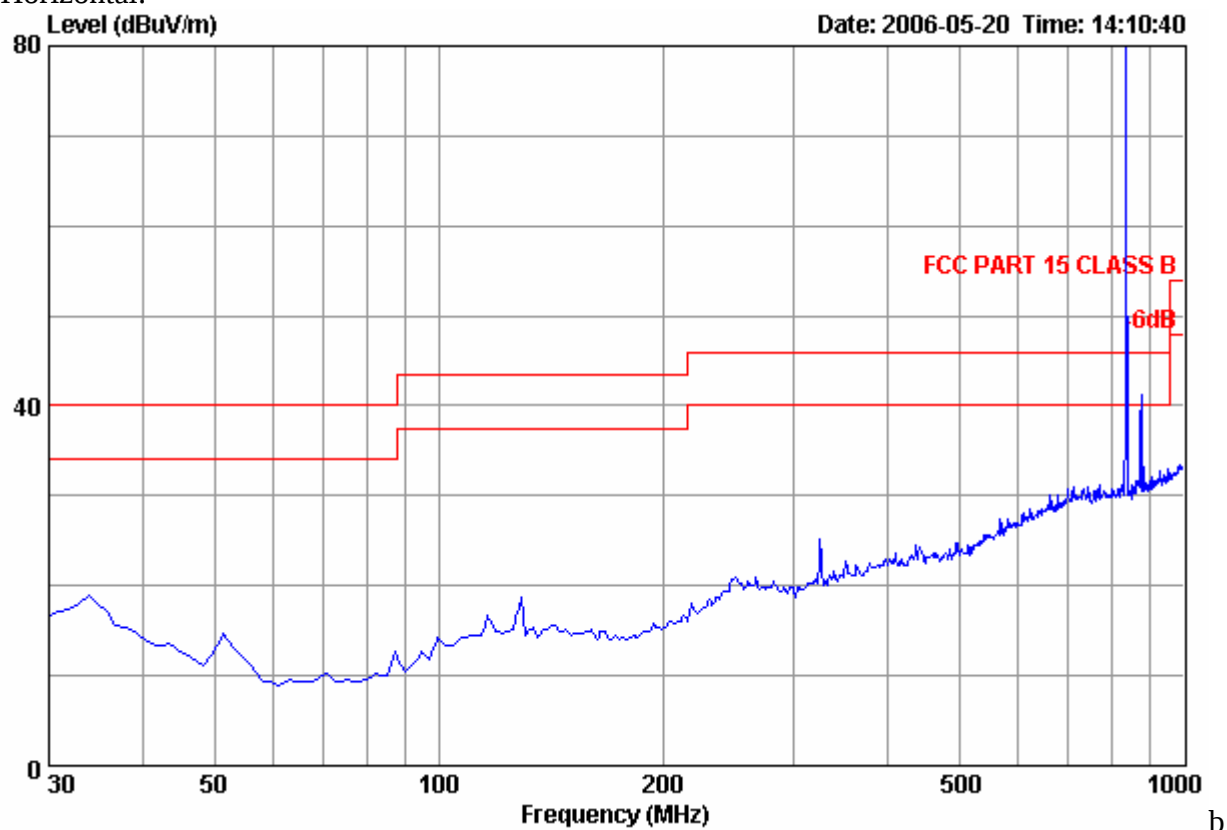
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Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

Report No.: SHEMA060500300IT  
Page 13 of 53

GSM 850 connected: (test Mobile with 3DS09371AAAA of Astec power adaptor and headset.)

Horizontal:



| Frequency (MHz) | Antenna Polarization | Receiver QP Reading (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Turntable Angle (°) |
|-----------------|----------------------|------------------------------|----------------|-------------|---------------------|---------------------|
| 30              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 45              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 88              | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 150             | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 216             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 560             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 960             | Horizontal           | *                            | 54             | *           | -                   | -                   |
| 1000            | Horizontal           | *                            | 54             | *           |                     |                     |

1. All readings are Peak values.
2. "\*" means the emission level is 6 dB below the relevant limit.

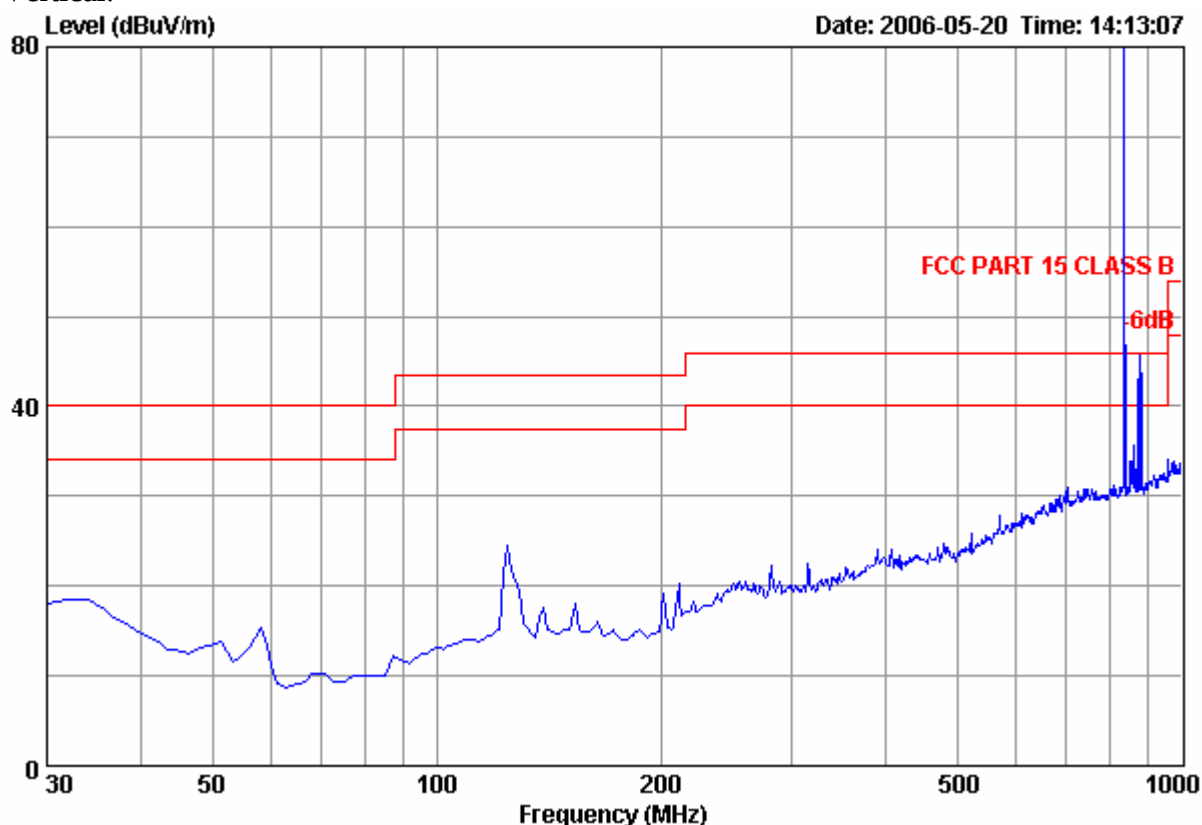
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Report No.: SHEMA060500300IT  
Page 14 of 53

Vertical:



| Frequency (MHz) | Antenna Polarization | Receiver QP Reading (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Turntable Angle (°) |
|-----------------|----------------------|------------------------------|----------------|-------------|---------------------|---------------------|
| 30              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 45              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 88              | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 150             | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 216             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 560             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 960             | Horizontal           | *                            | 54             | *           | -                   | -                   |
| 1000            | Horizontal           | *                            | 54             | *           |                     |                     |

1. All readings are Peak values.
2. "\*" means the emission level is 6 dB below the relevant limit.

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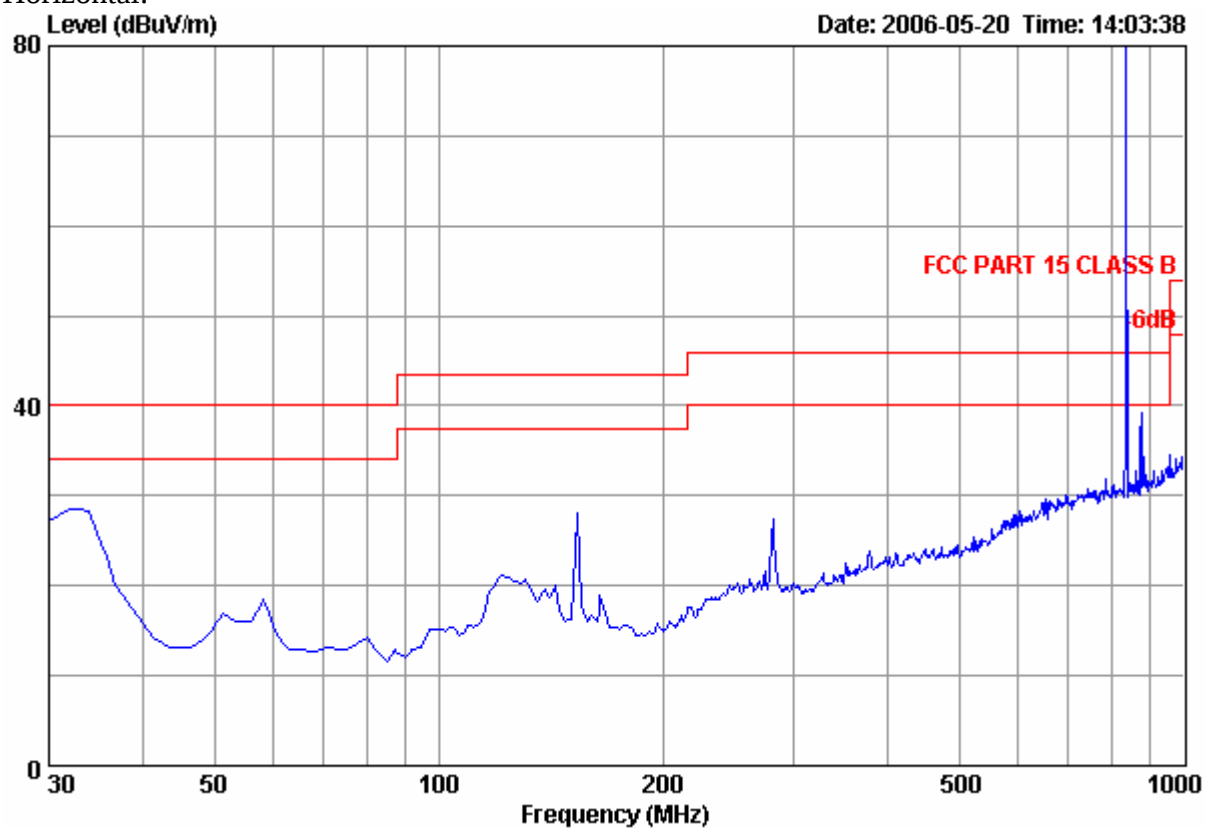
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Report No.: SHEMA060500300IT  
Page 15 of 53

GSM 850 connected: (test Mobile with 3DS09371AAAA of Leader power adaptor and headset.)

Horizontal:



| Frequency (MHz) | Antenna Polarization | Receiver QP Reading (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Turntable Angle (°) |
|-----------------|----------------------|------------------------------|----------------|-------------|---------------------|---------------------|
| 30              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 45              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 88              | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 150             | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 216             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 560             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 960             | Horizontal           | *                            | 54             | *           | -                   | -                   |
| 1000            | Horizontal           | *                            | 54             | *           | -                   | -                   |

1. All readings are Peak values.
2. "\*" means the emission level is 6 dB below the relevant limit.

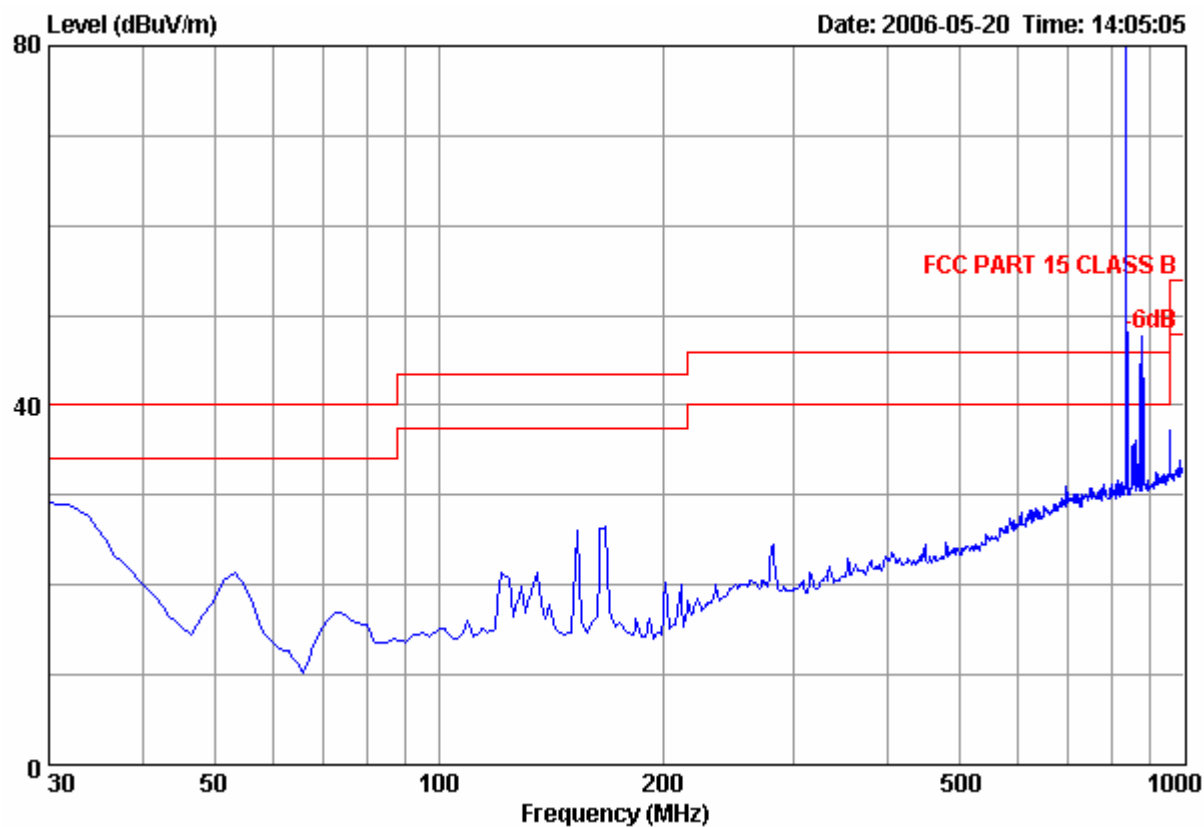
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1/F, 7/F, 9/F, 10/F, the 3rd Building No. 889,  
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
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Report No.: SHEMA060500300IT  
Page 16 of 53

Vertical:



| Frequency (MHz) | Antenna Polarization | Receiver QP Reading (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Turntable Angle (°) |
|-----------------|----------------------|------------------------------|----------------|-------------|---------------------|---------------------|
| 30              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 45              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 88              | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 150             | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 216             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 560             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 960             | Horizontal           | *                            | 54             | *           | -                   | -                   |
| 1000            | Horizontal           | *                            | 54             | *           |                     |                     |

1. All readings are Peak values.
2. "\*" means the emission level is 6 dB below the relevant limit.

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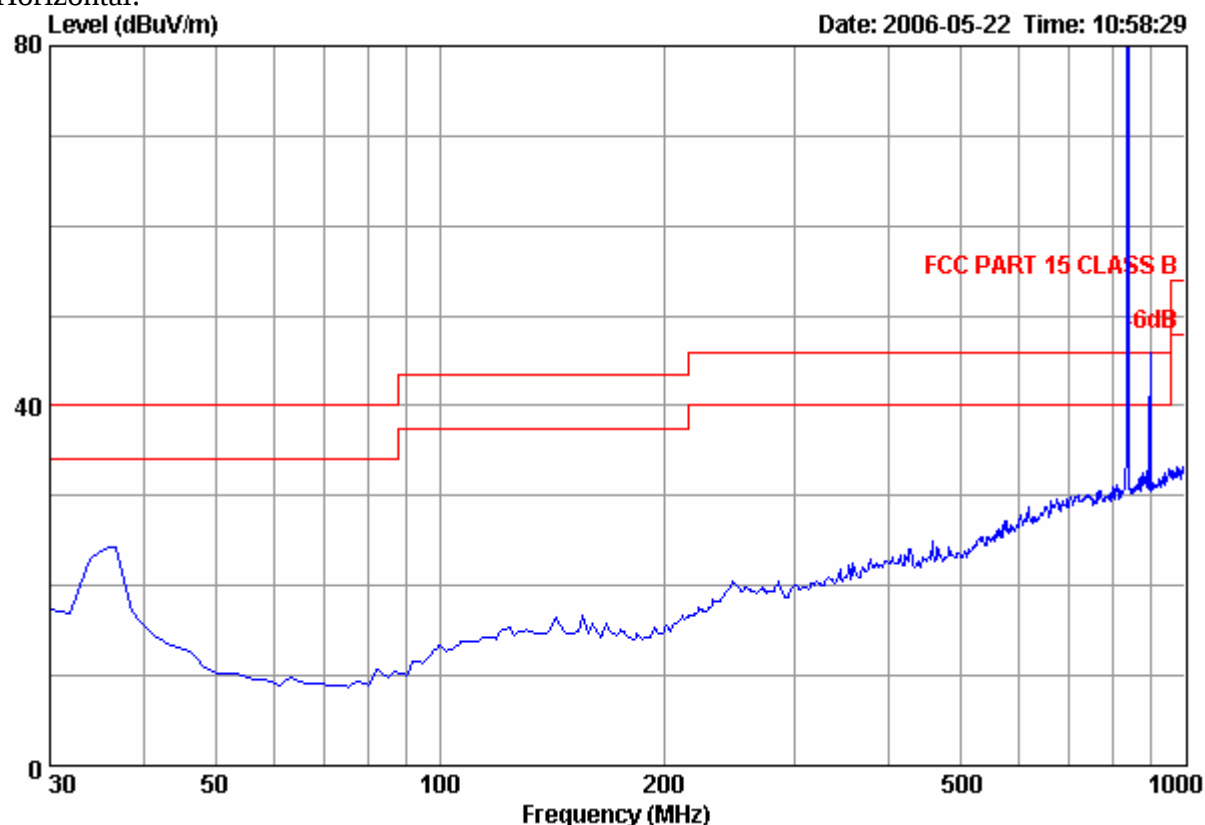
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Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

Report No.: SHEMA060500300IT  
Page 17 of 53

GSM 850 connected: (test Mobile with 3DS07848AAAA of Primax power adaptor and headset.)

Horizontal:



| Frequency (MHz) | Antenna Polarization | Receiver QP Reading (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Turntable Angle (°) |
|-----------------|----------------------|------------------------------|----------------|-------------|---------------------|---------------------|
| 30              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 45              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 88              | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 150             | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 216             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 560             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 960             | Horizontal           | *                            | 54             | *           | -                   | -                   |
| 1000            | Horizontal           | *                            | 54             | *           | -                   | -                   |

1. All readings are Peak values.
2. "\*" means the emission level is 6 dB below the relevant limit.

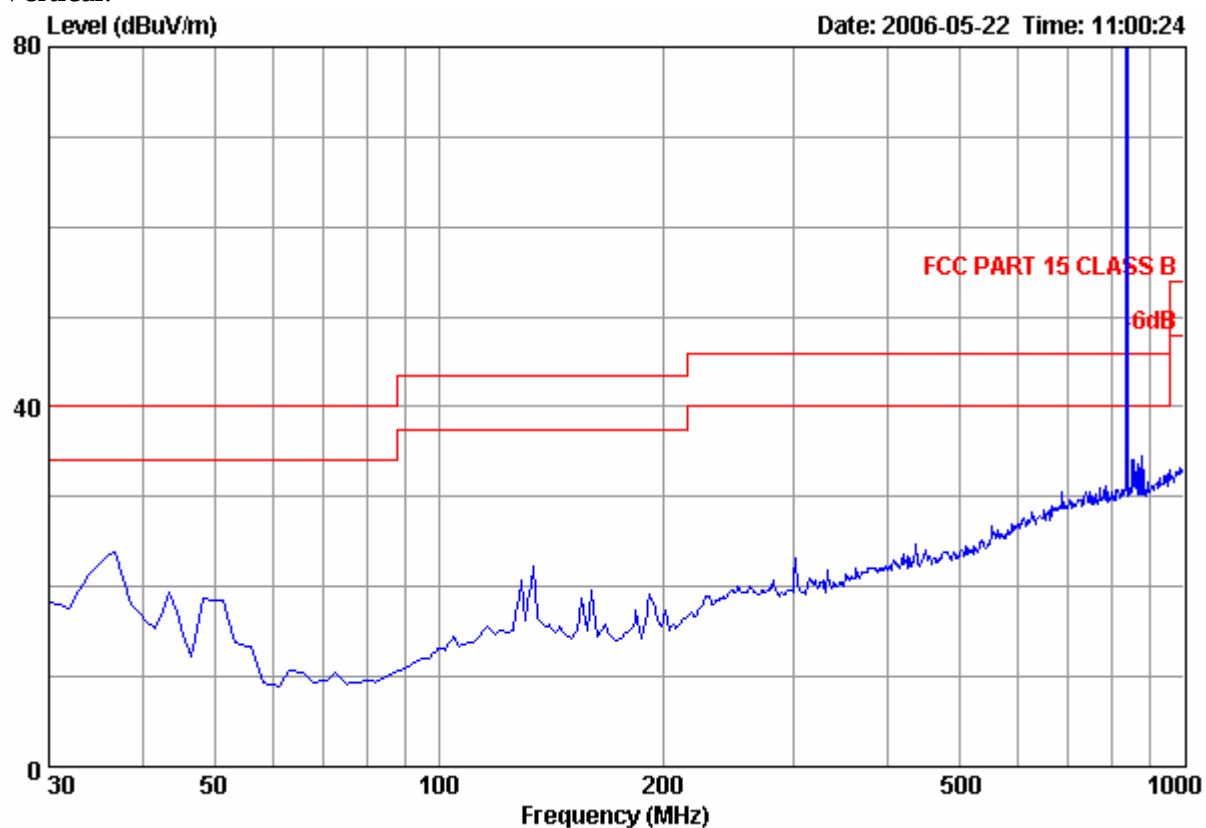
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Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

Report No.: SHEMA060500300IT  
Page 18 of 53

Vertical:



| Frequency (MHz) | Antenna Polarization | Receiver QP Reading (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Turntable Angle (°) |
|-----------------|----------------------|------------------------------|----------------|-------------|---------------------|---------------------|
| 30              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 45              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 88              | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 150             | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 216             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 560             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 960             | Horizontal           | *                            | 54             | *           | -                   | -                   |
| 1000            | Horizontal           | *                            | 54             | *           | -                   | -                   |

1. All readings are Peak values.
2. "\*" means the emission level is 6 dB below the relevant limit.

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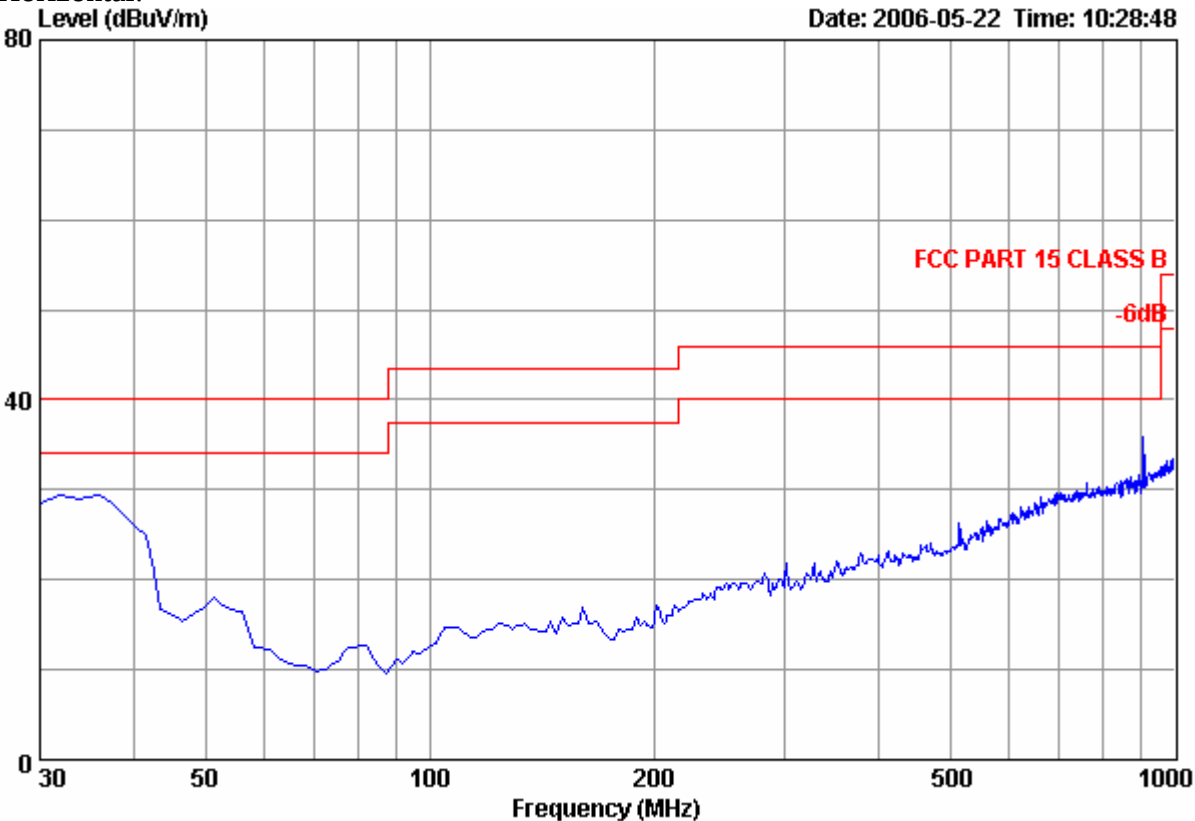
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Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

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Page 19 of 53

PCS 1900 connected: (test Mobile with 3DS09371AGAA of Leader power adaptor and headset. )

Horizontal:



| Frequency (MHz) | Antenna Polarization | Receiver QP Reading (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Turntable Angle (° ) |
|-----------------|----------------------|------------------------------|----------------|-------------|---------------------|----------------------|
| 30              | Horizontal           | *                            | 40             | *           | -                   | -                    |
| 45              | Horizontal           | *                            | 40             | *           | -                   | -                    |
| 88              | Horizontal           | *                            | 43.5           | *           | -                   | -                    |
| 150             | Horizontal           | *                            | 43.5           | *           | -                   | -                    |
| 216             | Horizontal           | *                            | 46             | *           | -                   | -                    |
| 560             | Horizontal           | *                            | 46             | *           | -                   | -                    |
| 960             | Horizontal           | *                            | 54             | *           | -                   | -                    |
| 1000            | Horizontal           | *                            | 54             | *           |                     |                      |

1. All readings are Peak values.
2. “\*” means the emission level is 6 dB below the relevant limit.

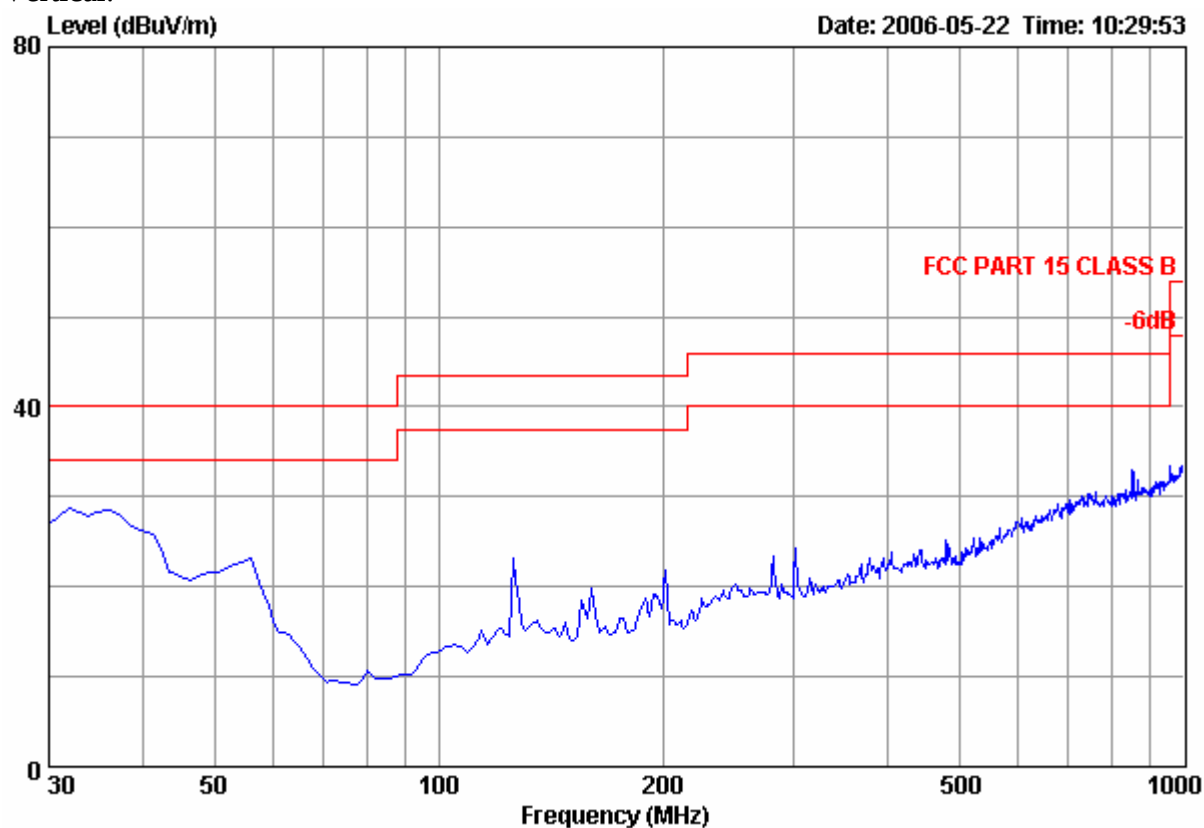
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Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
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Page 20 of 53

Vertical:



| Frequency (MHz) | Antenna Polarization | Receiver QP Reading (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Turntable Angle (°) |
|-----------------|----------------------|------------------------------|----------------|-------------|---------------------|---------------------|
| 30              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 45              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 88              | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 150             | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 216             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 560             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 960             | Horizontal           | *                            | 54             | *           | -                   | -                   |
| 1000            | Horizontal           | *                            | 54             | *           | -                   | -                   |

1. All readings are Peak values.
2. "\*" means the emission level is 6 dB below the relevant limit.

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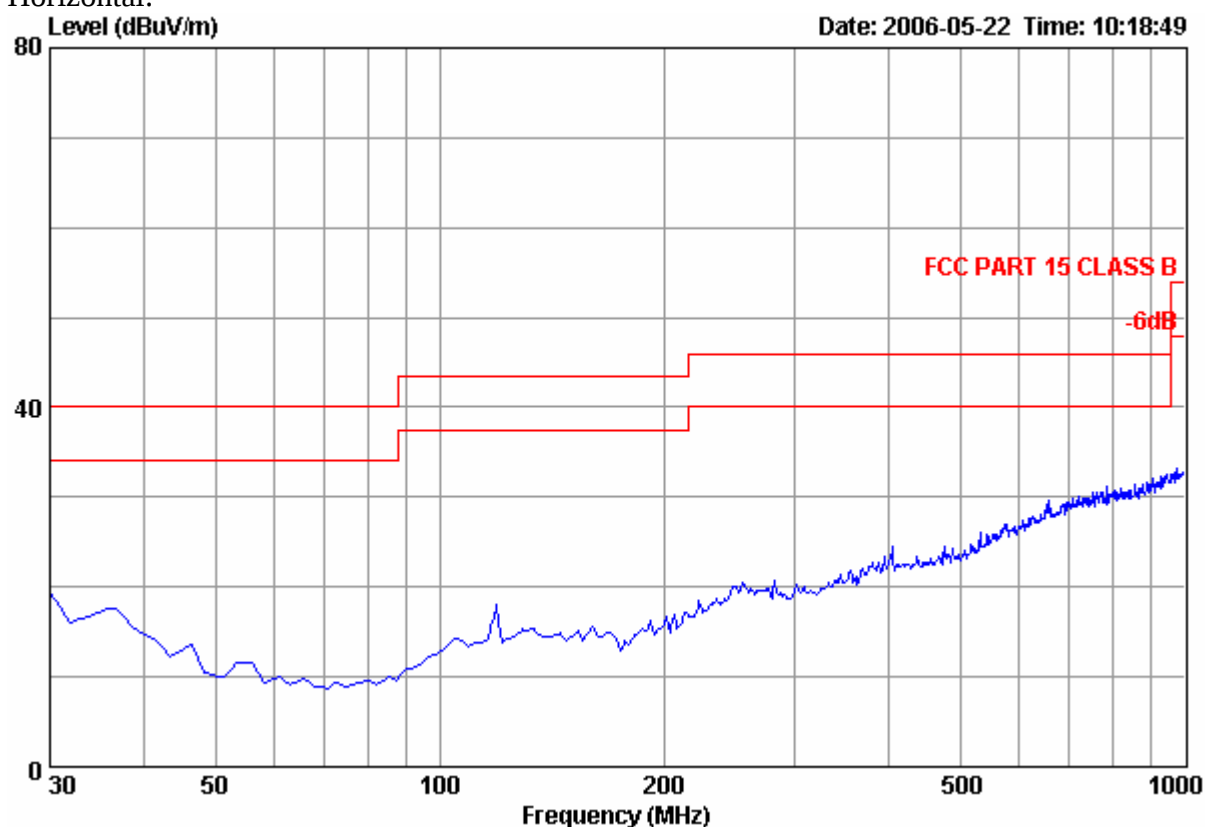
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Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

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Page 21 of 53

PCS 1900 connected: (test Mobile with 3DS09371AGAA of Astec power adaptor and headset.)

Horizontal:



| Frequency (MHz) | Antenna Polarization | Receiver QP Reading (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Turntable Angle (°) |
|-----------------|----------------------|------------------------------|----------------|-------------|---------------------|---------------------|
| 30              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 45              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 88              | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 150             | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 216             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 560             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 960             | Horizontal           | *                            | 54             | *           | -                   | -                   |
| 1000            | Horizontal           | *                            | 54             | *           | -                   | -                   |

1. All readings are Peak values.
2. "\*" means the emission level is 6 dB below the relevant limit.

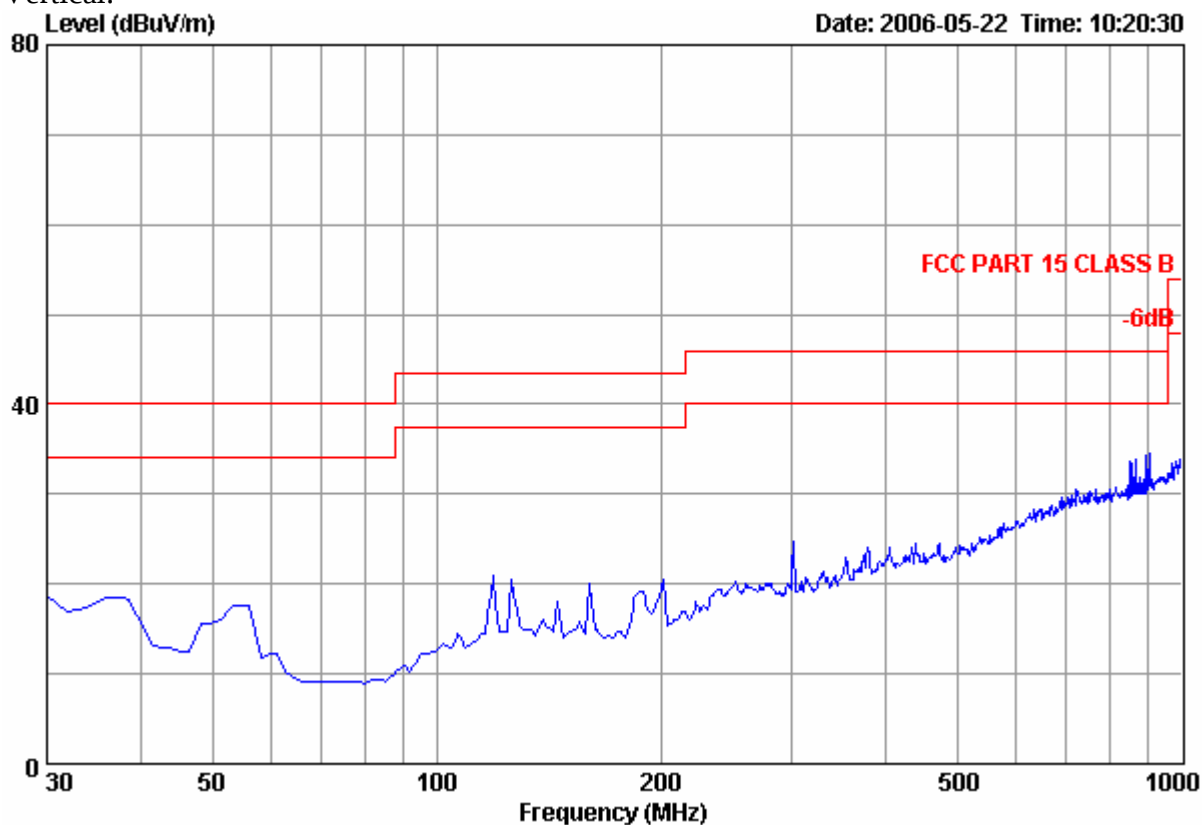
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Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
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Report No.: SHEMA0060500300IT  
Page 22 of 53

Vertical:



| Frequency<br>(MHz) | Antenna<br>Polarization | Receiver<br>QP Reading<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Turntable<br>Angle<br>(°) |
|--------------------|-------------------------|------------------------------------|-------------------|----------------|---------------------------|---------------------------|
| 30                 | Horizontal              | *                                  | 40                | *              | -                         | -                         |
| 45                 | Horizontal              | *                                  | 40                | *              | -                         | -                         |
| 88                 | Horizontal              | *                                  | 43.5              | *              | -                         | -                         |
| 150                | Horizontal              | *                                  | 43.5              | *              | -                         | -                         |
| 216                | Horizontal              | *                                  | 46                | *              | -                         | -                         |
| 560                | Horizontal              | *                                  | 46                | *              | -                         | -                         |
| 960                | Horizontal              | *                                  | 54                | *              | -                         | -                         |
| 1000               | Horizontal              | *                                  | 54                | *              |                           |                           |

1. All readings are Peak values.
2. "\*" means the emission level is 6 dB below the relevant limit.

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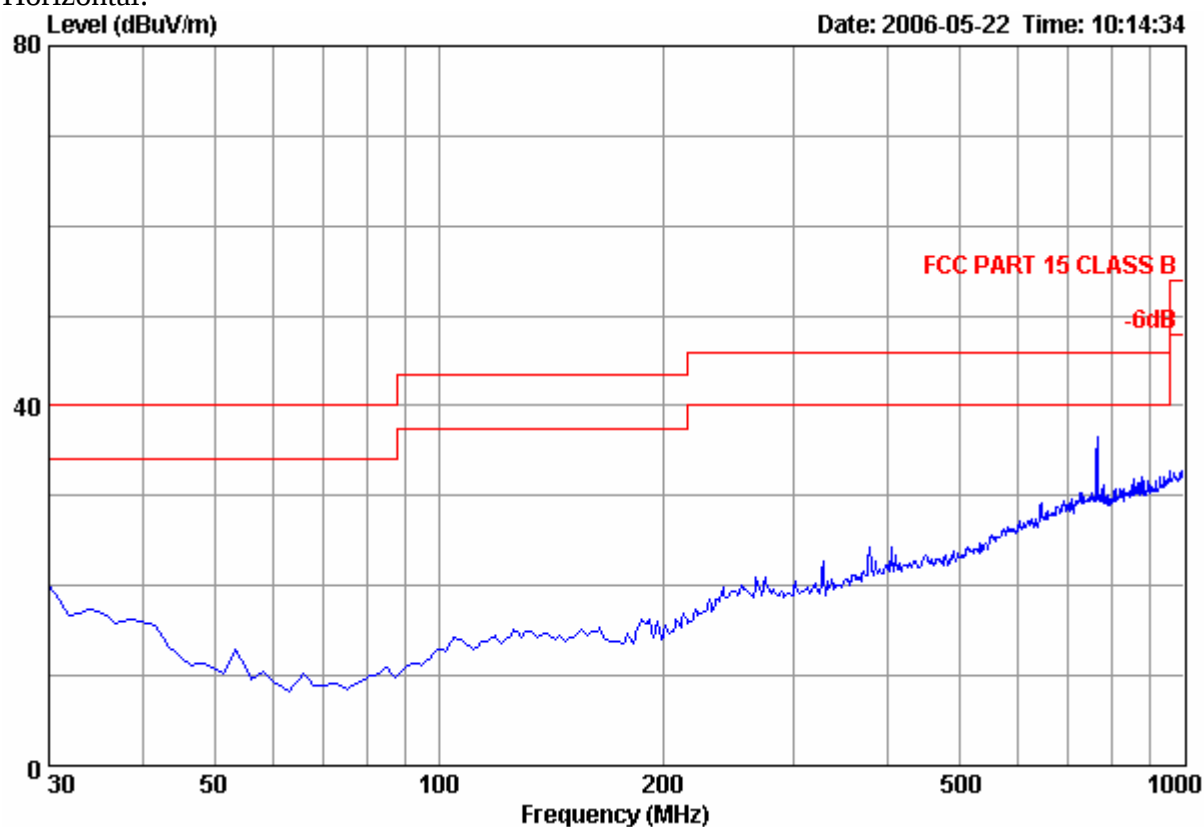
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Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

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Page 23 of 53

PCS 1900 connected: (test Mobile with 3DS09371AAAA of Astec power adaptor and headset.)

Horizontal:



| Frequency (MHz) | Antenna Polarization | Receiver QP Reading (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Turntable Angle (°) |
|-----------------|----------------------|------------------------------|----------------|-------------|---------------------|---------------------|
| 30              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 45              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 88              | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 150             | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 216             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 560             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 960             | Horizontal           | *                            | 54             | *           | -                   | -                   |
| 1000            | Horizontal           | *                            | 54             | *           |                     |                     |

1. All readings are Peak values.
2. "\*" means the emission level is 6 dB below the relevant limit.

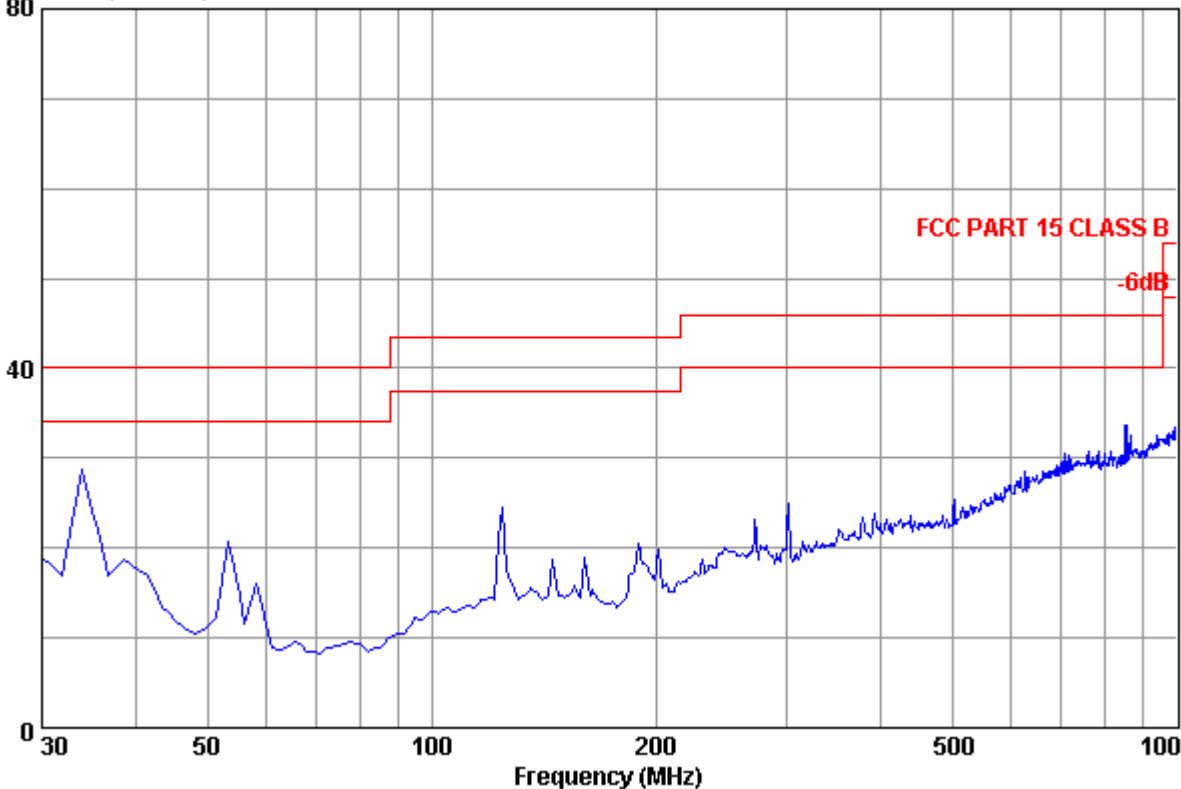
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Report No.: SHEMA0060500300IT  
Page 24 of 53

Vertical:  
Level (dBuV/m) Date: 2006-05-22 Time: 10:15:41



| Frequency<br>(MHz) | Antenna<br>Polarization | Receiver<br>QP Reading<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Turntable<br>Angle<br>(° ) |
|--------------------|-------------------------|------------------------------------|-------------------|----------------|---------------------------|----------------------------|
| 30                 | Horizontal              | *                                  | 40                | *              | -                         | -                          |
| 45                 | Horizontal              | *                                  | 40                | *              | -                         | -                          |
| 88                 | Horizontal              | *                                  | 43.5              | *              | -                         | -                          |
| 150                | Horizontal              | *                                  | 43.5              | *              | -                         | -                          |
| 216                | Horizontal              | *                                  | 46                | *              | -                         | -                          |
| 560                | Horizontal              | *                                  | 46                | *              | -                         | -                          |
| 960                | Horizontal              | *                                  | 54                | *              | -                         | -                          |
| 1000               | Horizontal              | *                                  | 54                | *              |                           |                            |

1. All readings are Peak values.
2. “\*” means the emission level is 6 dB below the relevant limit.

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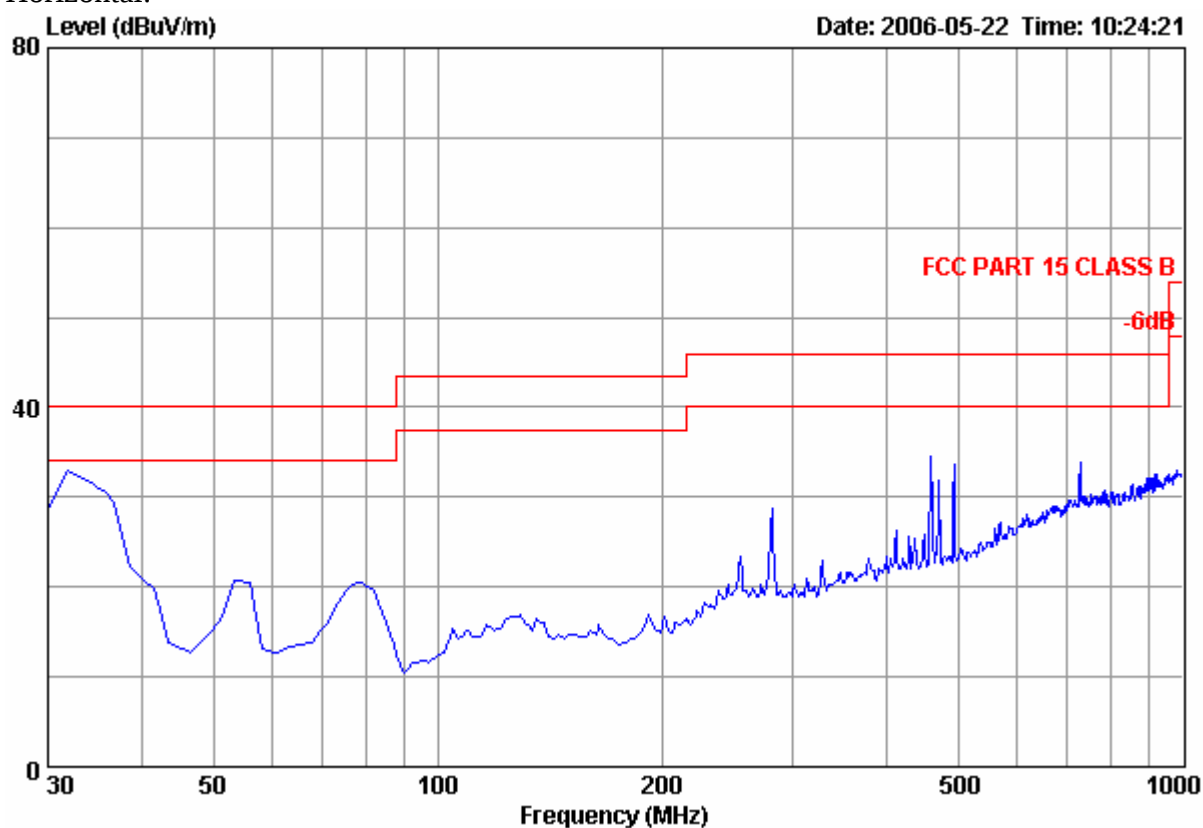
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Page 25 of 53

PCS 1900 connected: (test Mobile with 3DS09371AAAA of Leader power adaptor and headset.)

Horizontal:



| Frequency<br>(MHz) | Antenna<br>Polarization | Receiver<br>QP Reading<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Turntable<br>Angle<br>(°) |
|--------------------|-------------------------|------------------------------------|-------------------|----------------|---------------------------|---------------------------|
| 30                 | Horizontal              | *                                  | 40                | *              | -                         | -                         |
| 45                 | Horizontal              | *                                  | 40                | *              | -                         | -                         |
| 88                 | Horizontal              | *                                  | 43.5              | *              | -                         | -                         |
| 150                | Horizontal              | *                                  | 43.5              | *              | -                         | -                         |
| 216                | Horizontal              | *                                  | 46                | *              | -                         | -                         |
| 560                | Horizontal              | *                                  | 46                | *              | -                         | -                         |
| 960                | Horizontal              | *                                  | 54                | *              | -                         | -                         |
| 1000               | Horizontal              | *                                  | 54                | *              |                           |                           |

1. All readings are Peak values.
2. "\*" means the emission level is 6 dB below the relevant limit.

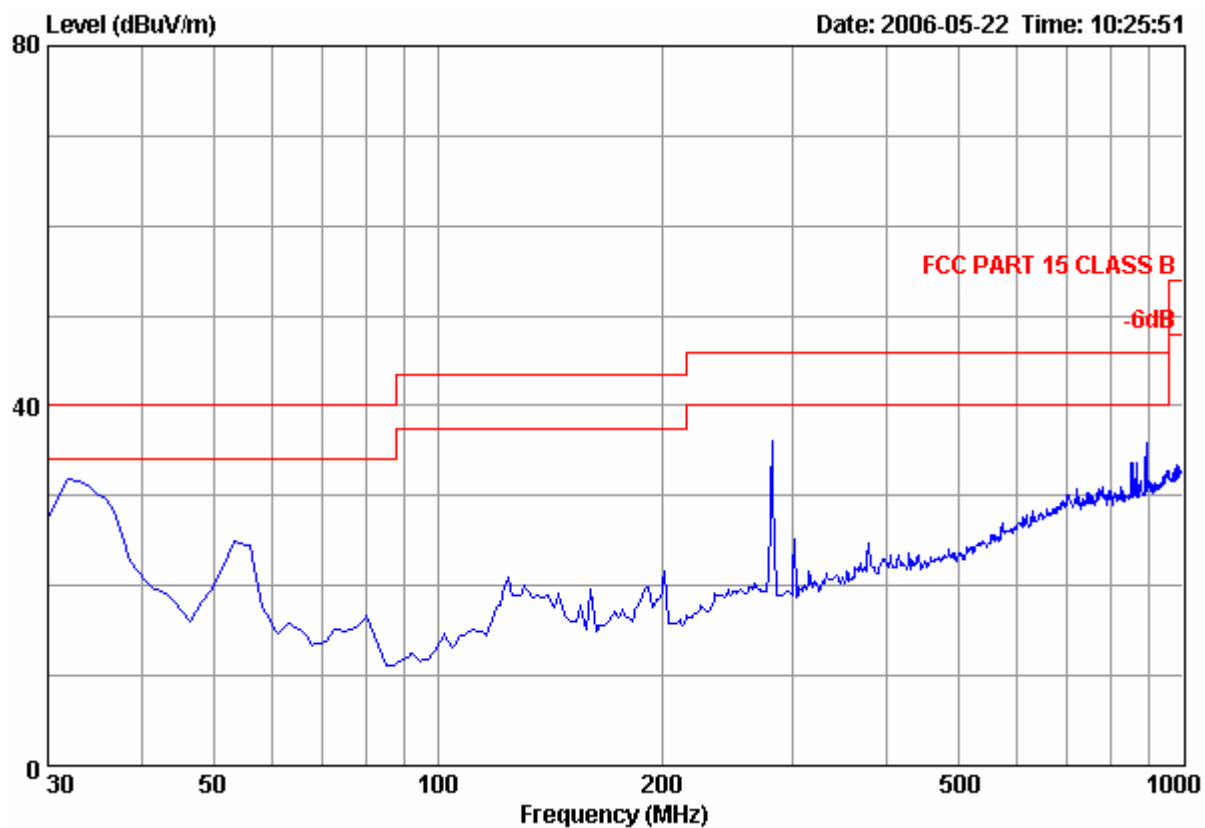
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Report No.: SHEMA060500300IT  
Page 26 of 53

Vertical:



| Frequency (MHz) | Antenna Polarization | Receiver QP Reading (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Turntable Angle (°) |
|-----------------|----------------------|------------------------------|----------------|-------------|---------------------|---------------------|
| 30              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 45              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 88              | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 150             | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 216             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 560             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 960             | Horizontal           | *                            | 54             | *           | -                   | -                   |
| 1000            | Horizontal           | *                            | 54             | *           | -                   | -                   |

1. All readings are Peak values.
2. "\*" means the emission level is 6 dB below the relevant limit.

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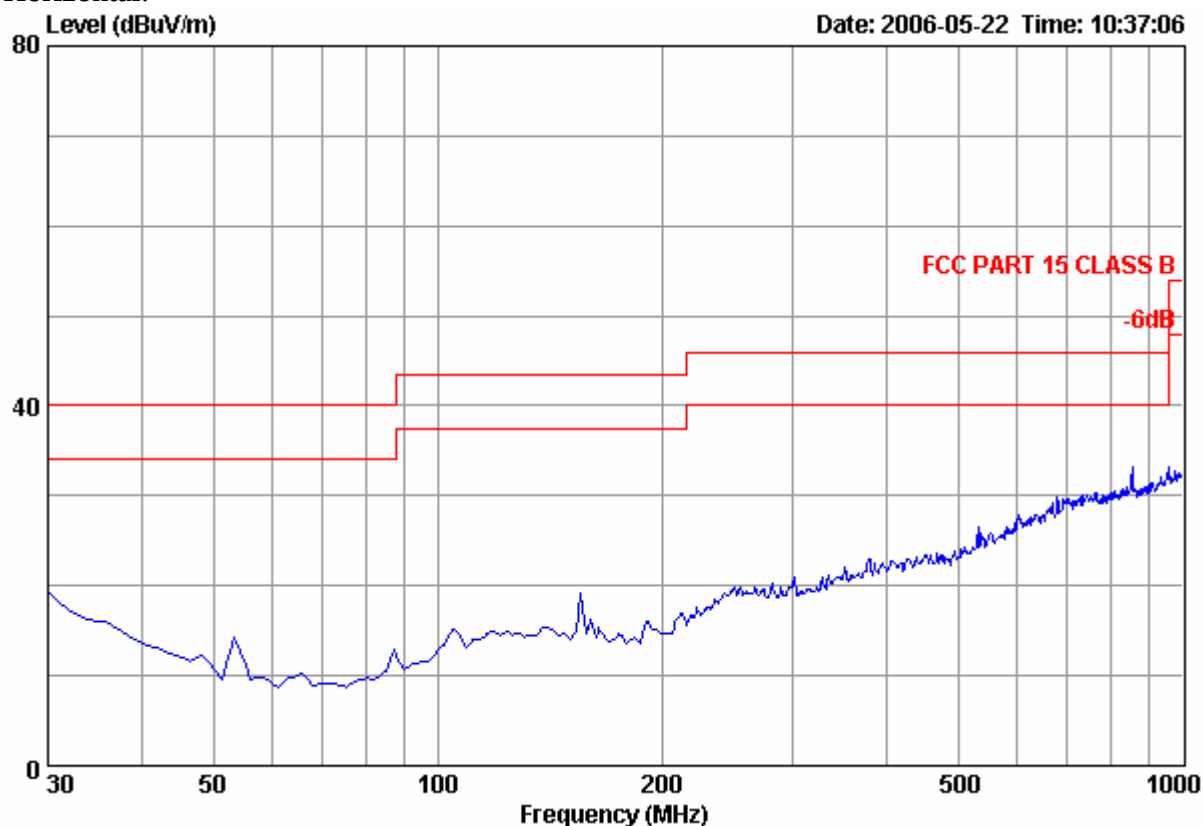
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Page 27 of 53

PCS 1900 connected: (test Mobile with 3DS07848AAAA of Primax power adaptor and headset.)

Horizontal:



| Frequency (MHz) | Antenna Polarization | Receiver QP Reading (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Turntable Angle (°) |
|-----------------|----------------------|------------------------------|----------------|-------------|---------------------|---------------------|
| 30              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 45              | Horizontal           | *                            | 40             | *           | -                   | -                   |
| 88              | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 150             | Horizontal           | *                            | 43.5           | *           | -                   | -                   |
| 216             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 560             | Horizontal           | *                            | 46             | *           | -                   | -                   |
| 960             | Horizontal           | *                            | 54             | *           | -                   | -                   |
| 1000            | Horizontal           | *                            | 54             | *           | -                   | -                   |

1. All readings are Peak values.
2. "\*" means the emission level is 6 dB below the relevant limit.

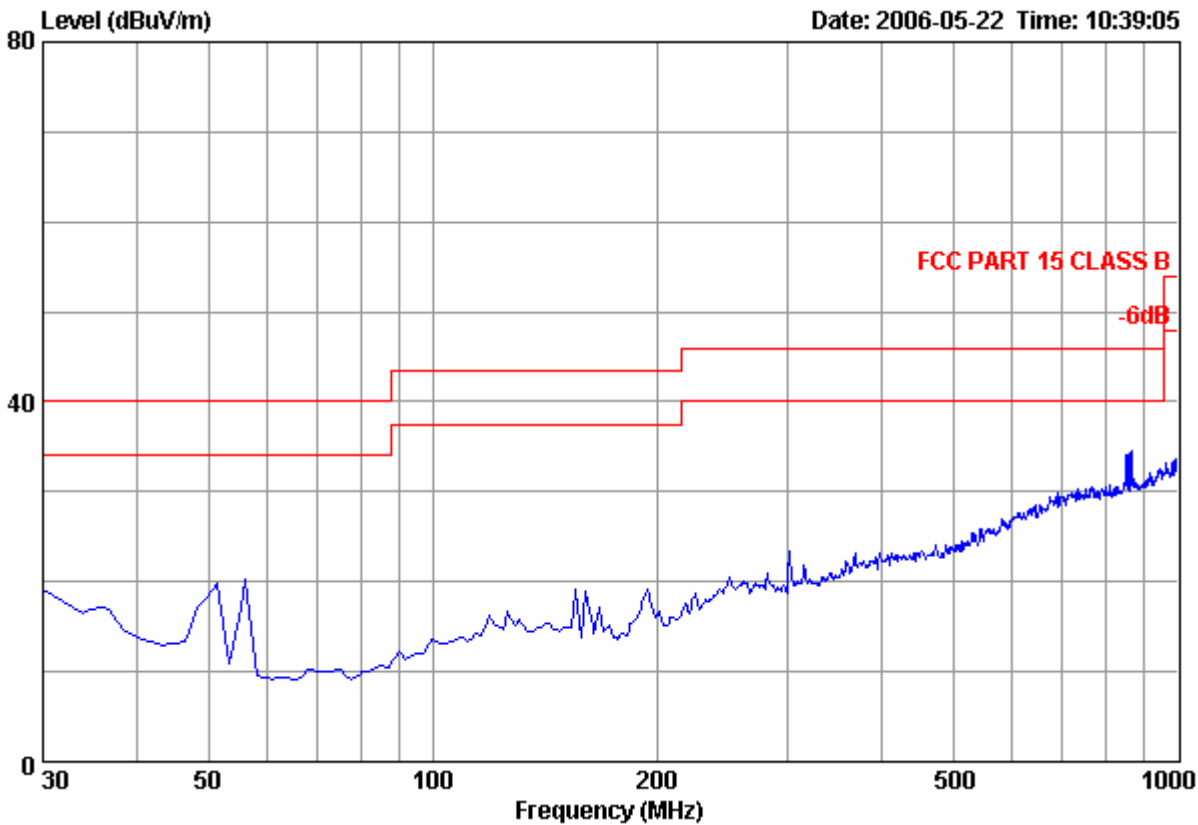
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Yishan Road, Xuhui District, Shanghai, China

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Fax: +86 (0) 21 5450 0954  
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Report No.: SHEMO060500300IT  
Page 28 of 53

Vertical:



| Frequency<br>(MHz) | Antenna<br>Polarization | Receiver<br>QP Reading<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Turntable<br>Angle<br>(° ) |
|--------------------|-------------------------|------------------------------------|-------------------|----------------|---------------------------|----------------------------|
| 30                 | Horizontal              | *                                  | 40                | *              | -                         | -                          |
| 45                 | Horizontal              | *                                  | 40                | *              | -                         | -                          |
| 88                 | Horizontal              | *                                  | 43.5              | *              | -                         | -                          |
| 150                | Horizontal              | *                                  | 43.5              | *              | -                         | -                          |
| 216                | Horizontal              | *                                  | 46                | *              | -                         | -                          |
| 560                | Horizontal              | *                                  | 46                | *              | -                         | -                          |
| 960                | Horizontal              | *                                  | 54                | *              | -                         | -                          |
| 1000               | Horizontal              | *                                  | 54                | *              |                           |                            |

1. All readings are Peak values.
2. “\*” means the emission level is 6 dB below the relevant limit.

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1/F, 7/F, 9/F, 10/F, the 3rd Building No. 889,  
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

Report No.: SHEMA0060500300IT  
Page 29 of 53

### 6.2 Conducted Emissions, 150kHz to 30MHz

|                   |                                                                                                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | CFR 47 part 15                                                                                                                                                      |
| Test Method:      | ANSI C63.4                                                                                                                                                          |
| Test Date:        | 18 May, 2006                                                                                                                                                        |
| Frequency Range:  | 150kHz to 30MHz                                                                                                                                                     |
| Class:            | N/A                                                                                                                                                                 |
| Limit:            | 66 dB $\mu$ V - 56 dB $\mu$ V between 150kHz & 500kHz Quasi-peak<br>56 dB $\mu$ V between 0.5MHz & 5MHz Quasi-peak<br>60 dB $\mu$ V between 5MHz & 30MHz Quasi-peak |

#### 6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 24.0°C Humidity: 58% RH Atmospheric Pressure: 1012 mbar  
EUT Operation: Test EUT is the in the allocated channel mode Charging, GSM850, PCS  
1900 with headset.

#### 6.2.2 Test Result and Partial Measurement Data

##### Pass

An initial pre-scan was performed in the Shielding room using the receiver in peak detection mode. The EUT was measured for 2 orthogonal polarities and peak emissions from the EUT were detected within 6dB of the class B limit line.

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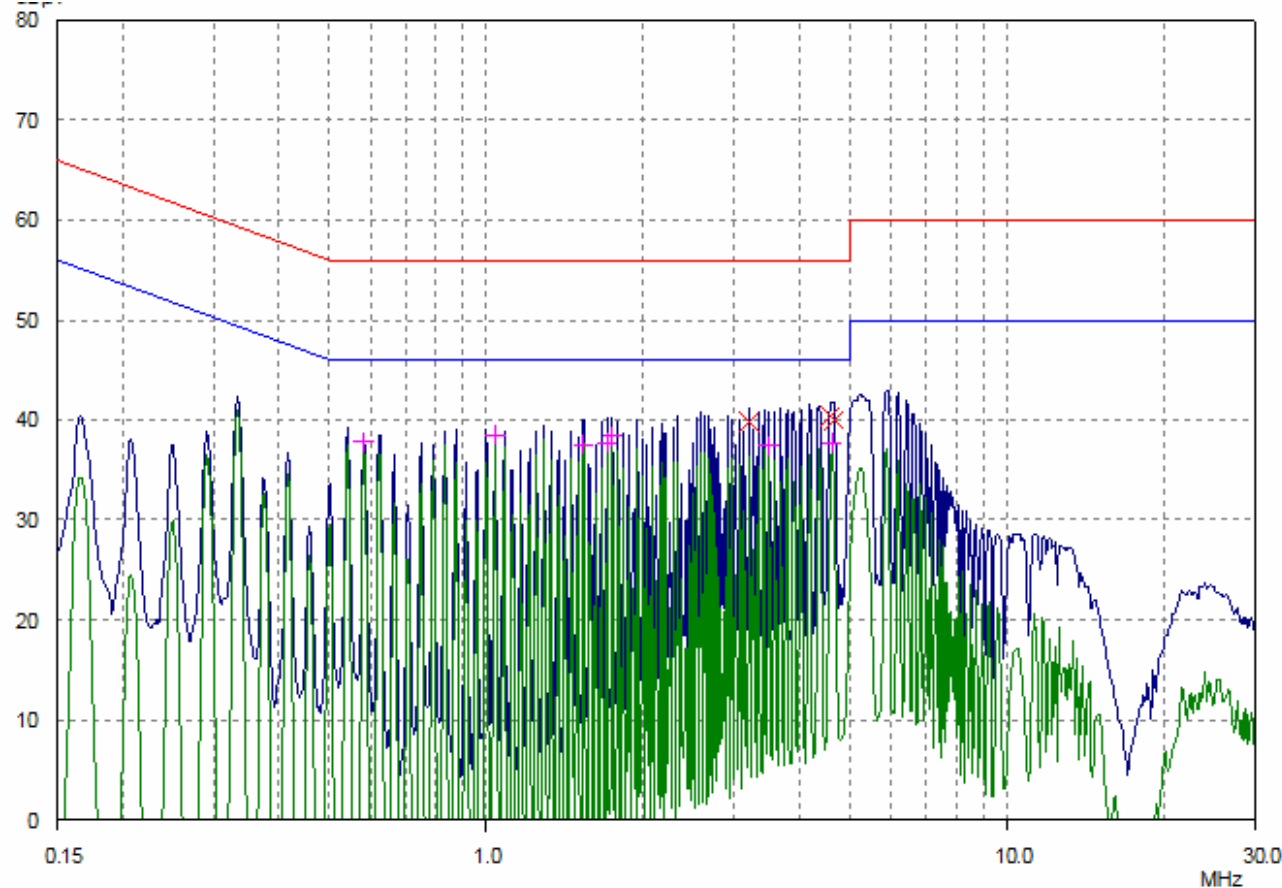
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Fax: +86 (0) 21 5450 0954  
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Page 30 of 53

GSM 850 connected: (test Mobile with 3DS09371AGAA of Leader power adaptor and headset.)

L Line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 3.19842          | 39.75            | 56.00            | 16.25          |
| 4.57782          | 40.48            | 56.00            | 15.52          |
| 4.65136          | 40.00            | 56.00            | 16.00          |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.58127          | 37.79            | 46.00            | 8.21           |
| 1.03992          | 38.38            | 46.00            | 7.62           |
| 1.53662          | 37.55            | 46.00            | 8.45           |
| 1.70432          | 37.72            | 46.00            | 8.28           |
| 1.74556          | 38.38            | 46.00            | 7.62           |
| 3.49141          | 37.40            | 46.00            | 8.60           |
| 4.61445          | 37.72            | 46.00            | 8.28           |

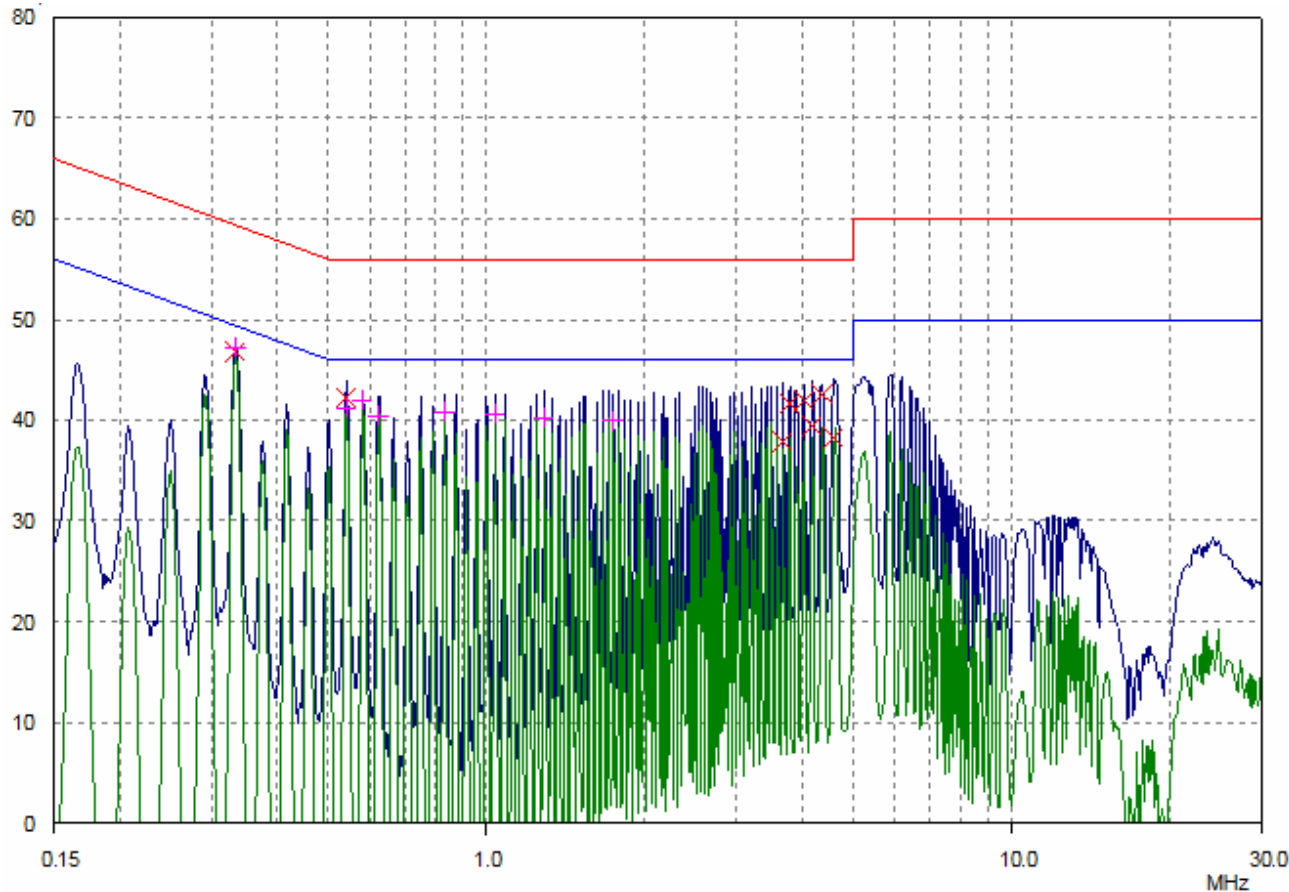
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Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

Report No.: SHEMA060500300IT  
Page 31 of 53

N Line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.33277          | 46.80            | 59.38            | 12.58          |
| 0.54104          | 42.23            | 56.00            | 13.77          |
| 3.66239          | 37.85            | 56.00            | 18.15          |
| 3.781            | 41.62            | 56.00            | 14.38          |
| 4.02986          | 41.90            | 56.00            | 14.10          |
| 4.16038          | 39.41            | 56.00            | 16.59          |
| 4.36411          | 42.53            | 56.00            | 13.47          |
| 4.57782          | 38.28            | 56.00            | 17.72          |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.33277          | 47.11            | 49.38            | 2.27           |
| 0.54104          | 41.28            | 46.00            | 4.72           |
| 0.58127          | 41.92            | 46.00            | 4.08           |
| 0.62449          | 40.39            | 46.00            | 5.61           |
| 0.83196          | 40.72            | 46.00            | 5.28           |
| 1.03992          | 40.62            | 46.00            | 5.38           |
| 1.28954          | 40.17            | 46.00            | 5.83           |
| 1.74556          | 39.98            | 46.00            | 6.02           |

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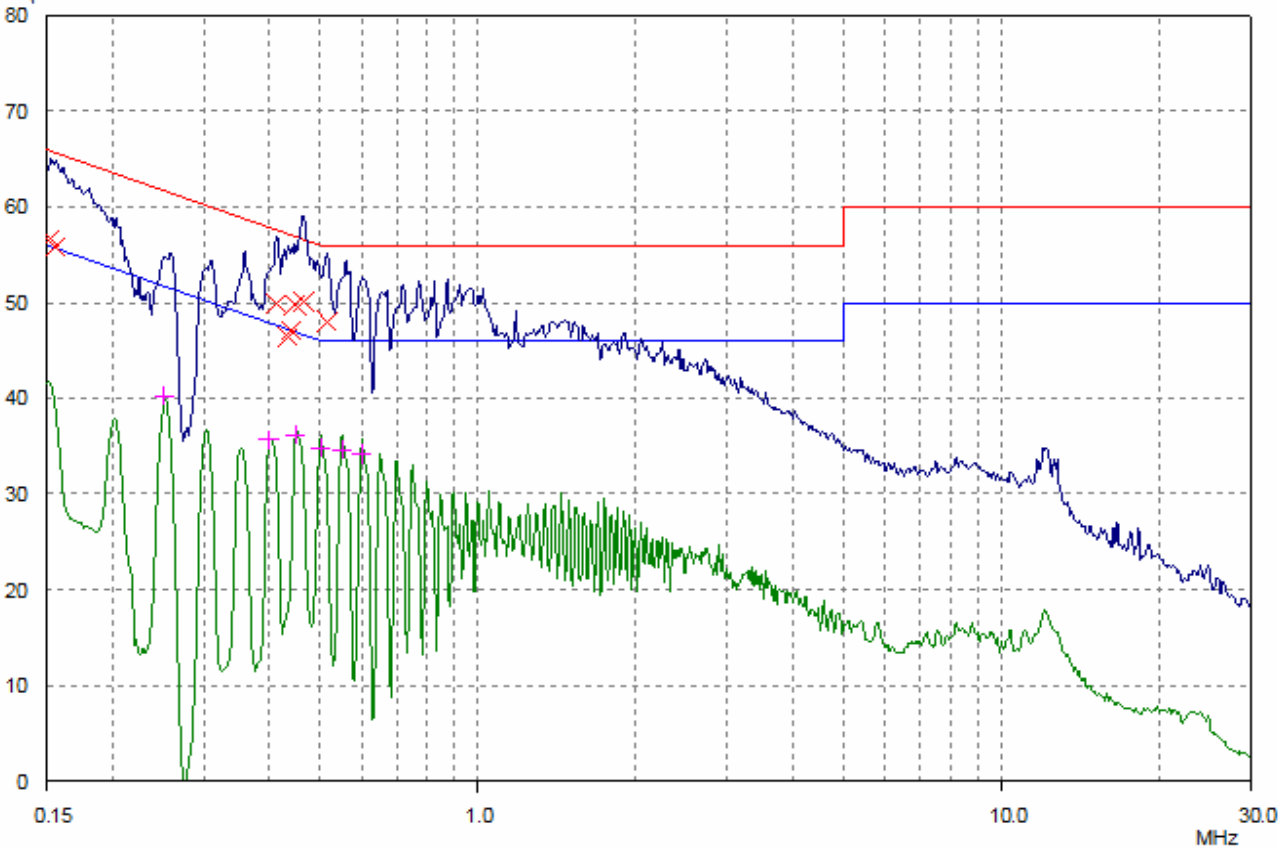
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Yishan Road, Xuhui District, Shanghai, China

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Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

Report No.: SHEMO060500300IT  
Page 32 of 53

GSM 850 connected: (test Mobile with 3DS09371AGAA of Astec power adaptor and headset.)

L Line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.1524           | 56.68            | 65.87            | 9.19           |
| 0.15609          | 55.76            | 65.67            | 9.91           |
| 0.41264          | 49.87            | 57.59            | 7.72           |
| 0.43285          | 46.35            | 57.20            | 10.85          |
| 0.4398           | 47.10            | 57.07            | 9.97           |
| 0.44687          | 49.73            | 56.93            | 7.20           |
| 0.46503          | 50.07            | 56.60            | 6.53           |
| 0.51578          | 48.04            | 56.00            | 7.96           |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.25178          | 40.24            | 51.70            | 11.46          |
| 0.3997           | 35.73            | 47.86            | 12.13          |
| 0.45044          | 36.17            | 46.87            | 10.70          |
| 0.49961          | 34.77            | 46.01            | 11.24          |
| 0.54974          | 34.60            | 46.00            | 11.40          |
| 0.6001           | 34.10            | 46.00            | 11.90          |

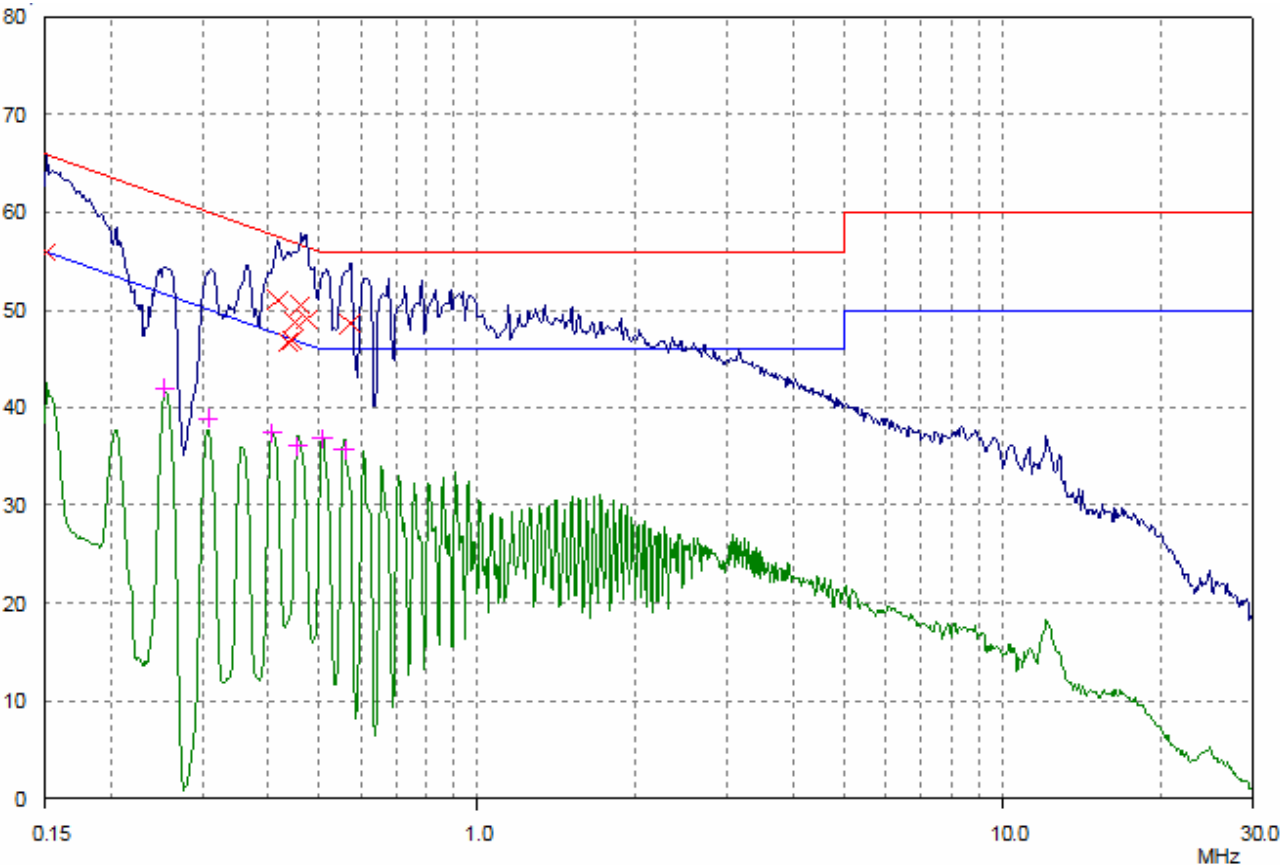
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Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

Report No.: SHEMA060500300IT  
Page 33 of 53

N Line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.1512           | 55.94            | 65.93            | 9.99           |
| 0.41594          | 51.03            | 57.53            | 6.50           |
| 0.43631          | 46.74            | 57.13            | 10.39          |
| 0.44332          | 46.92            | 57.00            | 10.08          |
| 0.45044          | 48.77            | 56.87            | 8.10           |
| 0.46134          | 50.52            | 56.67            | 6.15           |
| 0.4725           | 49.04            | 56.47            | 7.43           |
| 0.57208          | 48.59            | 56.00            | 7.41           |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.25379          | 41.99            | 51.63            | 9.64           |
| 0.30728          | 38.87            | 50.04            | 11.17          |
| 0.40612          | 37.42            | 47.73            | 10.31          |
| 0.45405          | 36.08            | 46.80            | 10.72          |
| 0.50763          | 36.84            | 46.00            | 9.16           |
| 0.55857          | 35.72            | 46.00            | 10.28          |

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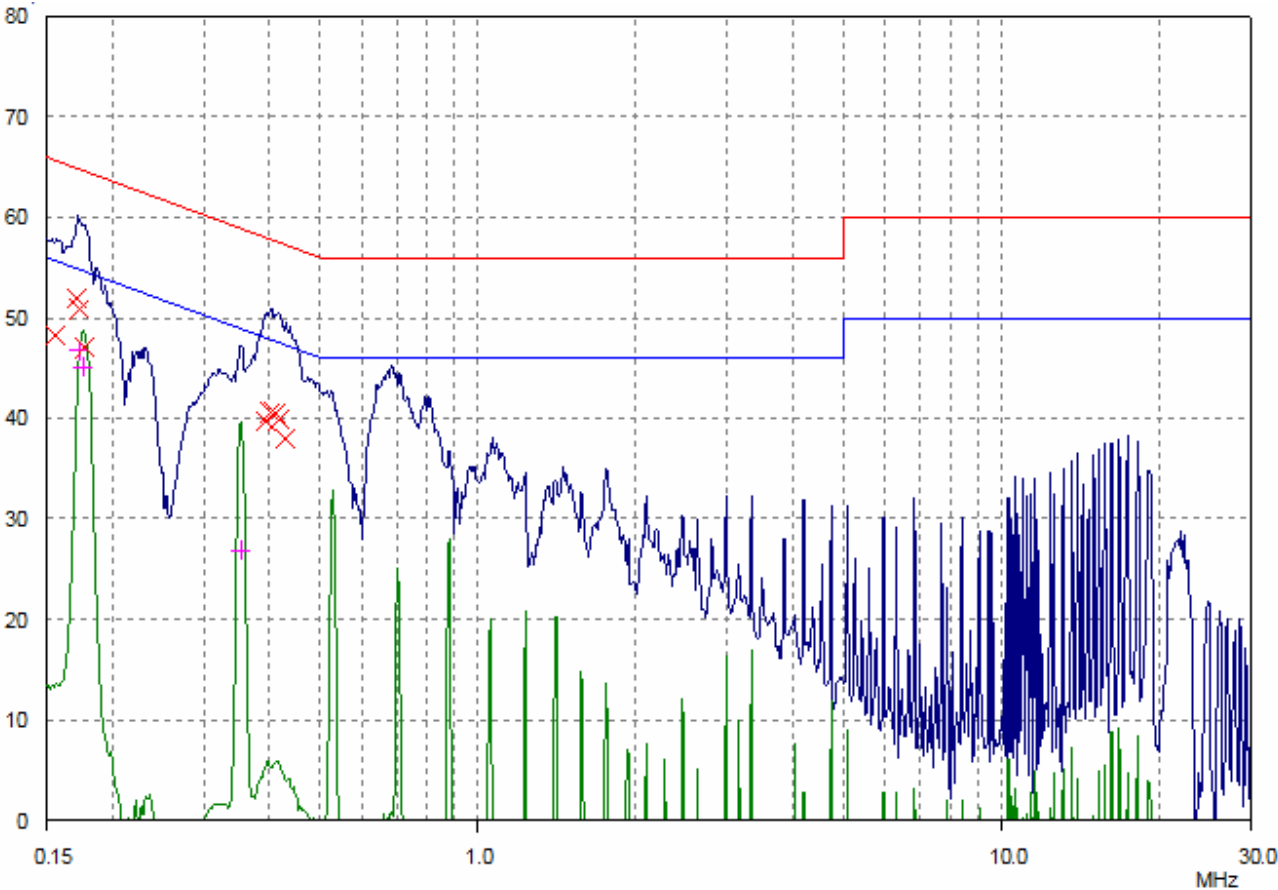
1/F, 7/F, 9/F, 10/F, the 3rd Building No. 889,  
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

Report No.: SHEMA060500300IT  
Page 34 of 53

GSM 850 connected: (test Mobile with 3DS09371AAAA of Astec power adaptor and headset.)

L Line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.15609          | 48.28            | 65.67            | 17.39          |
| 0.17175          | 51.96            | 64.88            | 12.92          |
| 0.17332          | 50.90            | 64.80            | 13.90          |
| 0.17732          | 47.03            | 64.61            | 17.58          |
| 0.39338          | 39.67            | 57.99            | 18.32          |
| 0.40289          | 40.59            | 57.79            | 17.20          |
| 0.40937          | 40.53            | 57.66            | 17.13          |
| 0.41594          | 39.86            | 57.53            | 17.67          |
| 0.42941          | 37.99            | 57.26            | 19.27          |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.17332          | 46.69            | 54.80            | 8.11           |
| 0.17591          | 45.04            | 54.68            | 9.64           |
| 0.35185          | 26.90            | 48.92            | 22.02          |

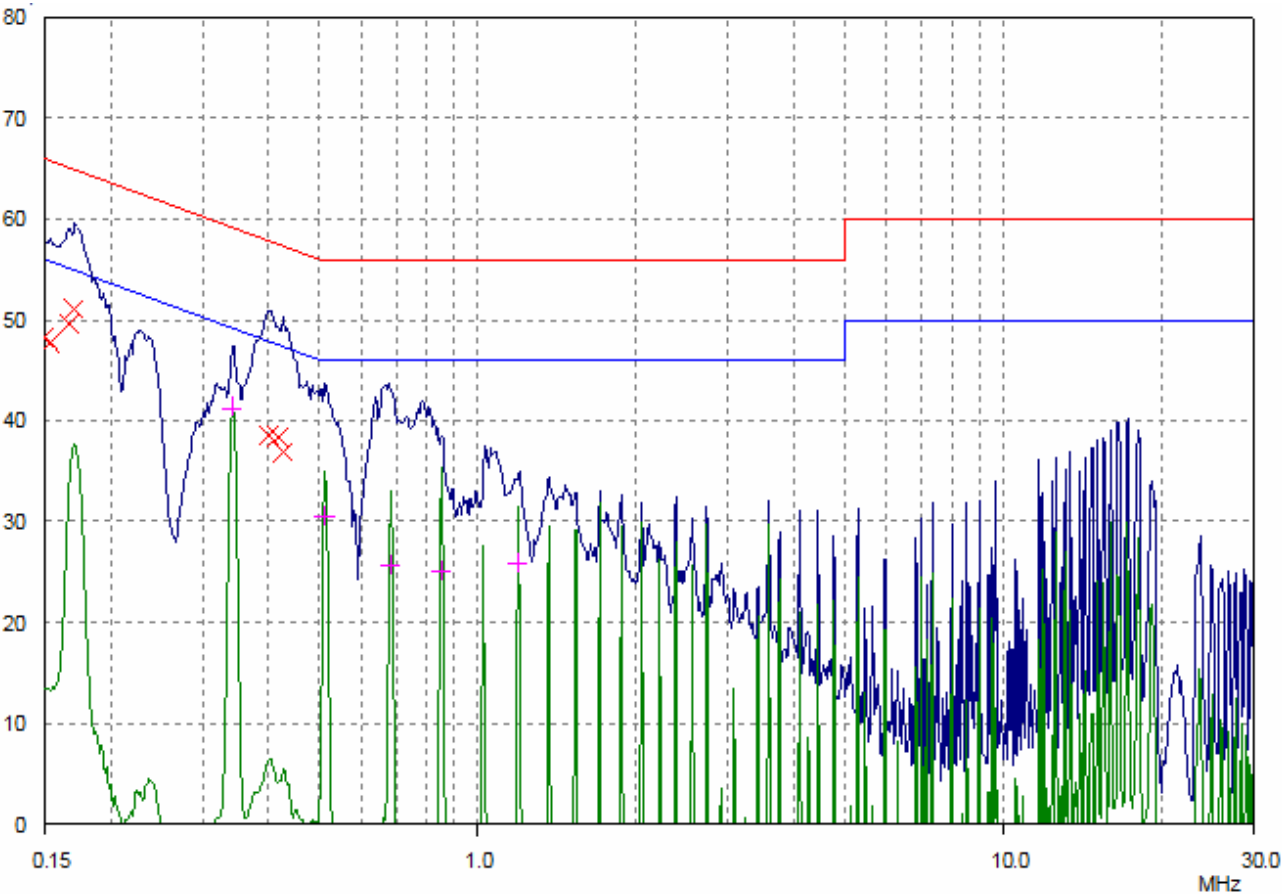
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Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

Report No.: SHEMA060500300IT  
Page 35 of 53

N Line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.15             | 48.26            | 66.00            | 17.74          |
| 0.15362          | 47.72            | 65.80            | 18.08          |
| 0.16637          | 49.58            | 65.14            | 15.56          |
| 0.17039          | 51.02            | 64.94            | 13.92          |
| 0.3997           | 38.57            | 57.86            | 19.29          |
| 0.41594          | 38.42            | 57.53            | 19.11          |
| 0.42601          | 36.91            | 57.33            | 20.42          |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.34082          | 41.28            | 49.18            | 7.90           |
| 0.51169          | 30.49            | 46.00            | 15.51          |
| 0.68169          | 25.66            | 46.00            | 20.34          |
| 0.85209          | 25.07            | 46.00            | 20.93          |
| 1.19077          | 25.81            | 46.00            | 20.19          |

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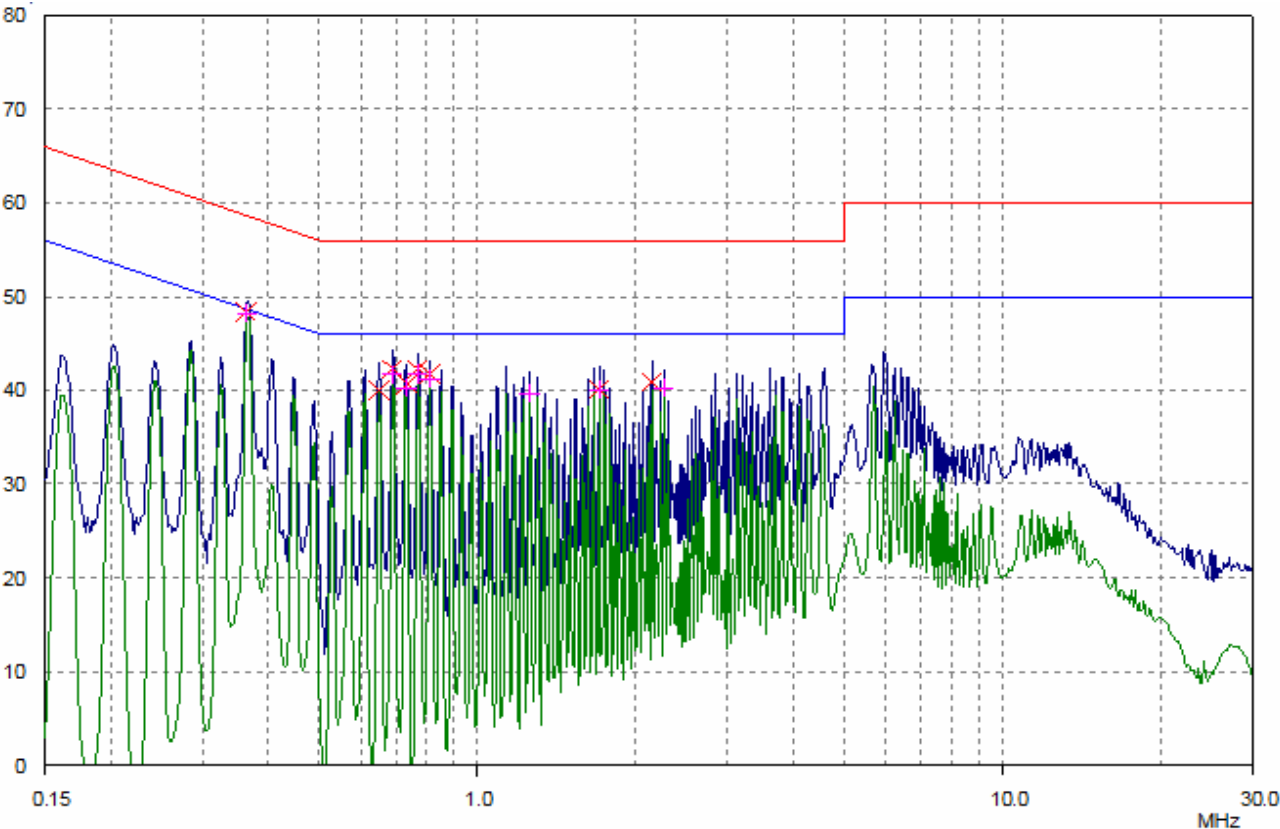
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Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

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Page 36 of 53

GSM 850 connected: (test Mobile with 3DS09371AAAA of Leader power adaptor and headset.)

L Line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.36325          | 48.37            | 58.65            | 10.28          |
| 0.64987          | 40.00            | 56.00            | 16.00          |
| 0.68715          | 42.31            | 56.00            | 13.69          |
| 0.73238          | 40.68            | 56.00            | 15.32          |
| 0.76824          | 42.27            | 56.00            | 13.73          |
| 0.81231          | 41.72            | 56.00            | 14.28          |
| 1.70432          | 40.07            | 56.00            | 15.93          |
| 2.14738          | 40.91            | 56.00            | 15.09          |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.36325          | 48.24            | 48.65            | 0.41           |
| 0.68715          | 41.67            | 46.00            | 4.33           |
| 0.73238          | 40.15            | 46.00            | 5.85           |
| 0.76824          | 41.70            | 46.00            | 4.30           |
| 0.81231          | 41.22            | 46.00            | 4.78           |
| 1.25908          | 39.61            | 46.00            | 6.39           |
| 1.70432          | 40.07            | 46.00            | 5.93           |
| 2.27055          | 40.21            | 46.00            | 5.79           |

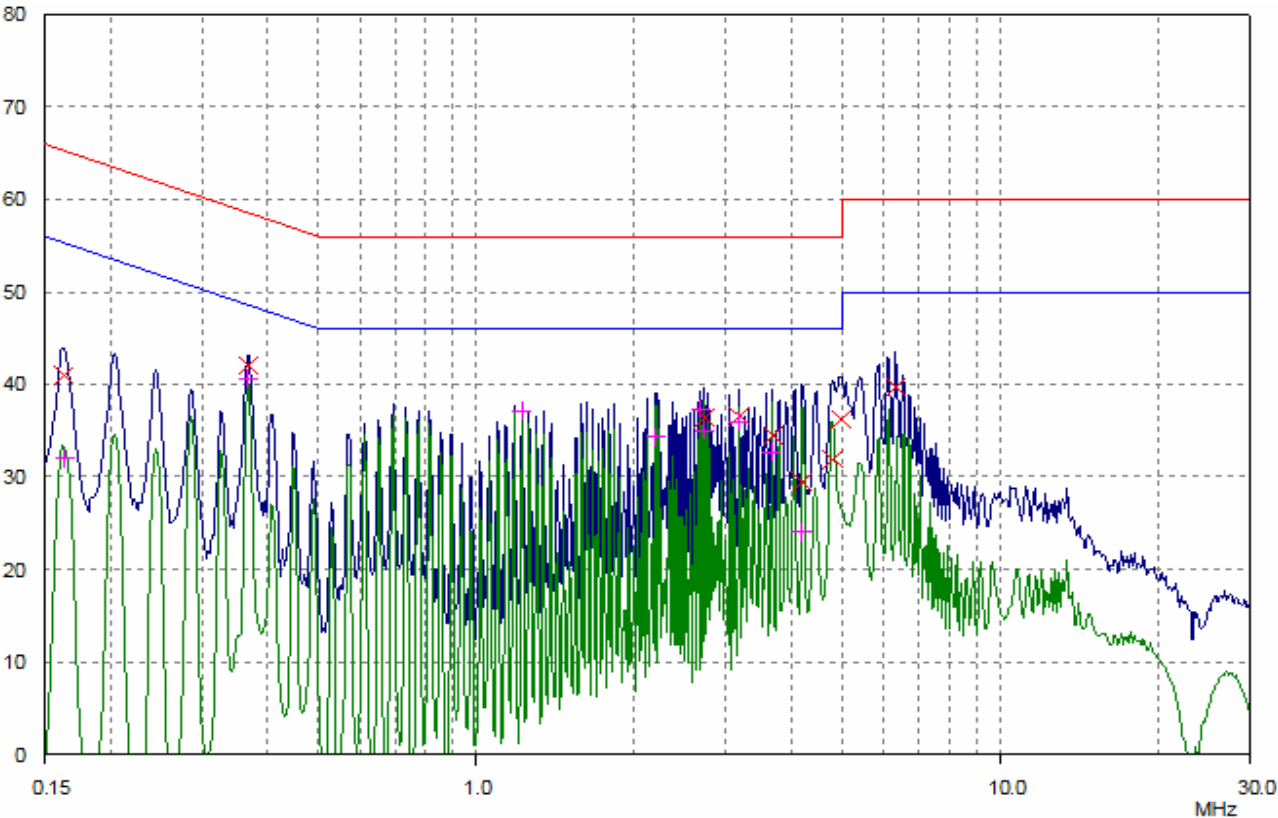
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1/F, 7/F, 9/F, 10/F, the 3rd Building No. 889,  
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

Report No.: SHEMA060500300IT  
Page 37 of 53

N Line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.16374          | 40.98            | 65.27            | 24.29          |
| 0.36615          | 41.98            | 58.59            | 16.61          |
| 2.72724          | 36.36            | 56.00            | 19.64          |
| 3.17303          | 36.59            | 56.00            | 19.41          |
| 3.66239          | 34.47            | 56.00            | 21.53          |
| 4.19366          | 29.47            | 56.00            | 26.53          |
| 4.802            | 31.86            | 56.00            | 24.14          |
| 4.95752          | 36.17            | 56.00            | 19.83          |
| 6.29623          | 39.71            | 60.00            | 20.29          |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.16374          | 31.96            | 55.27            | 23.31          |
| 0.36615          | 40.60            | 48.59            | 7.99           |
| 1.21958          | 37.18            | 46.00            | 8.82           |
| 2.19933          | 34.27            | 46.00            | 11.73          |
| 2.68413          | 37.39            | 46.00            | 8.61           |
| 2.72724          | 35.04            | 46.00            | 10.96          |
| 3.17303          | 35.90            | 46.00            | 10.10          |
| 3.66239          | 32.58            | 46.00            | 13.42          |
| 4.19366          | 24.04            | 46.00            | 21.96          |

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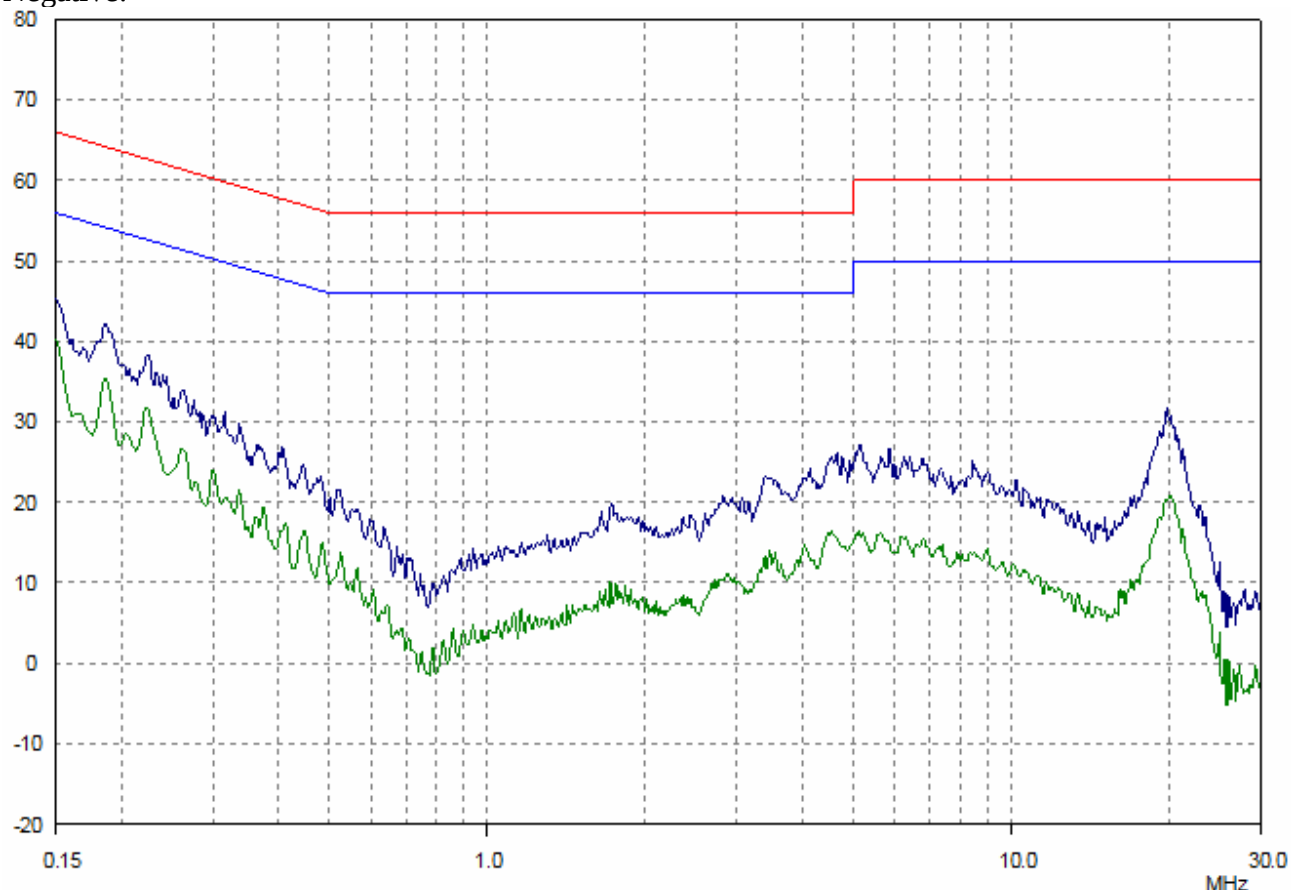
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Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

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Page 38 of 53

GSM 850 connected: (test Mobile with 3DS07848AAAA of Primax power adaptor and headset.)

Negative:



| Frequency<br>(MHz) | Receiver<br>QP<br>Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Receiver<br>AV<br>Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) |
|--------------------|-----------------------------------|-----------------|----------------|-----------------------------------|-----------------|----------------|
| 0.15               | *                                 | 66              | *              | *                                 | 56              | *              |
| 0.24               | *                                 | 63.43           | *              | *                                 | 53.44           | *              |
| 0.543              | *                                 | 56              | *              | *                                 | 46              | *              |
| 5.00               | *                                 | 56              | *              | *                                 | 46              | *              |
| 10.00              | *                                 | 60              | *              | *                                 | 50              | *              |
| 22.00              | *                                 | 60              | *              | *                                 | 50              | *              |
| 30.00              | *                                 | 60              | *              | *                                 | 50              | *              |

“\*” means the emission level is 6dB lower than the relevant limit.

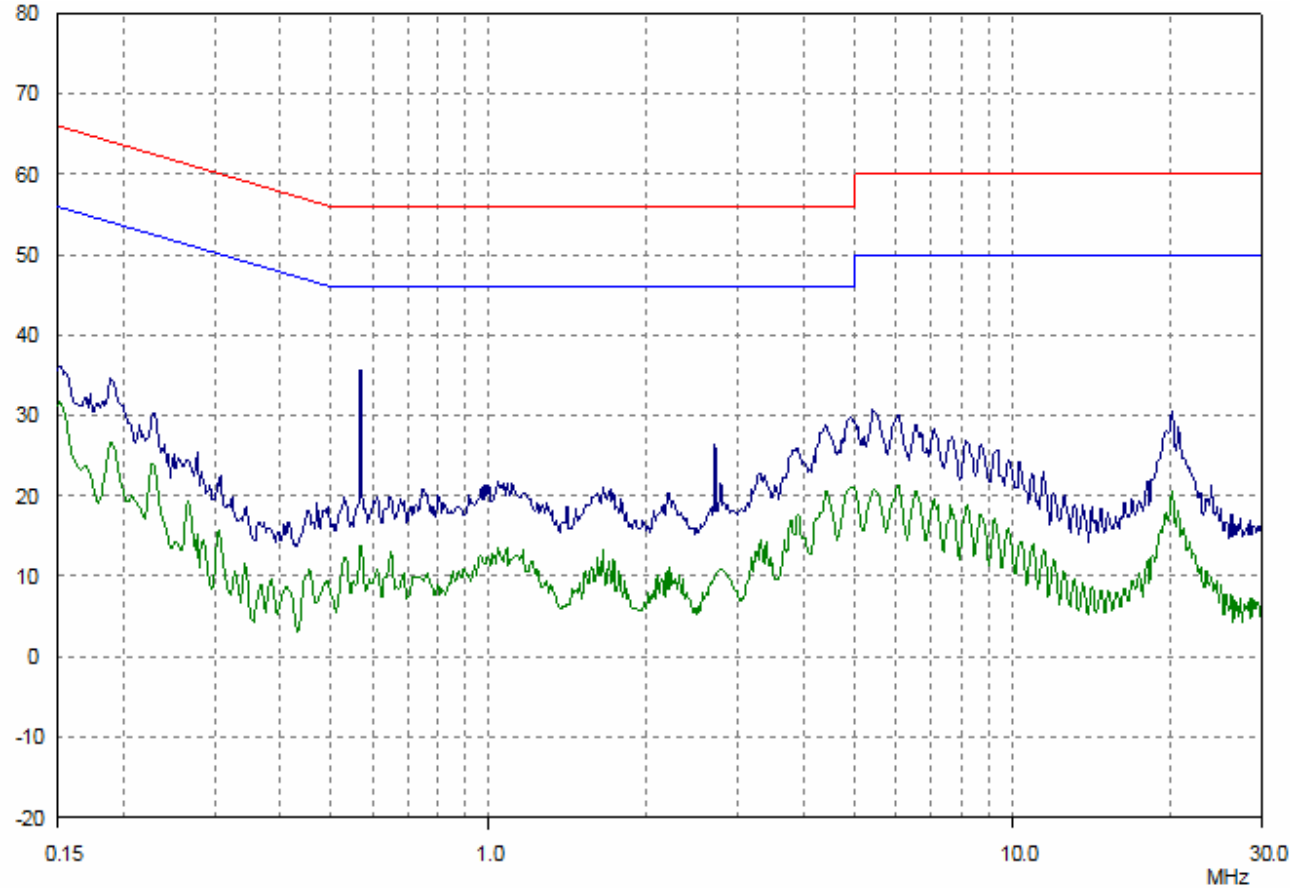
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Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

Report No.: SHEMO060500300IT  
Page 39 of 53

Positive:



| Frequency | Receiver |        |        | Receiver |        |        |
|-----------|----------|--------|--------|----------|--------|--------|
|           | QP       | Limit  | Margin | AV       | Limit  | Margin |
| (MHz)     | Level    | (dBuV) | (dB)   | Level    | (dBuV) | (dB)   |
|           | (dBuV)   |        |        | (dBuV)   |        |        |
| 0.15      | *        | 66     | *      | *        | 56     | *      |
| 0.24      | *        | 63.43  | *      | *        | 53.44  | *      |
| 0.543     | *        | 56     | *      | *        | 46     | *      |
| 5.00      | *        | 56     | *      | *        | 46     | *      |
| 10.00     | *        | 60     | *      | *        | 50     | *      |
| 22.00     | *        | 60     | *      | *        | 50     | *      |
| 30.00     | *        | 60     | *      | *        | 50     | *      |

“\*” means the emission level is 6dB lower than the relevant limit.

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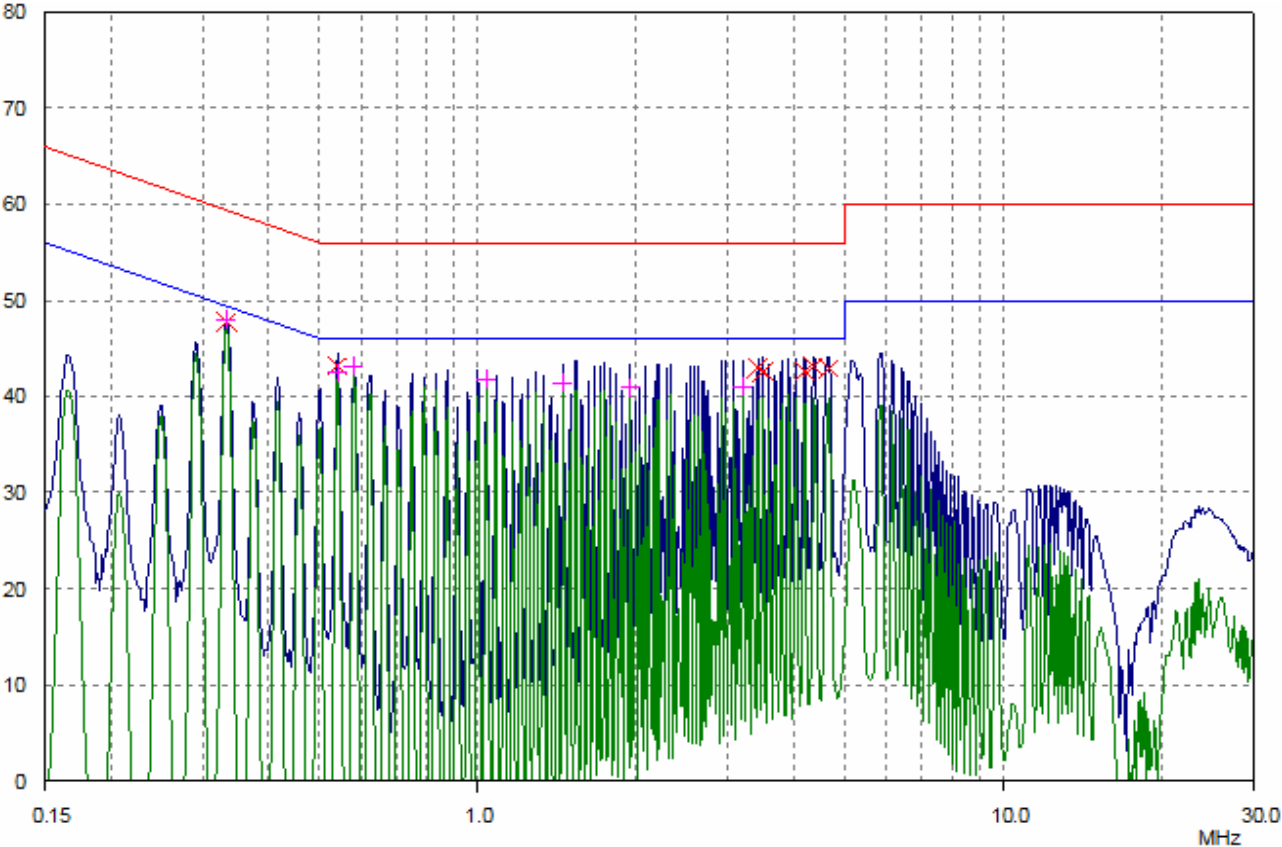
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Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

Report No.: SHEMA060500300IT  
Page 40 of 53

PCS1900 connected: (test Mobile ith 3DS09371AGAA of Leader power adaptor and headset. )

L Line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.33277          | 47.71            | 59.38            | 11.67          |
| 0.54104          | 43.17            | 56.00            | 12.83          |
| 3.40894          | 42.95            | 56.00            | 13.05          |
| 3.49141          | 42.59            | 56.00            | 13.41          |
| 4.19366          | 42.65            | 56.00            | 13.35          |
| 4.36411          | 43.11            | 56.00            | 12.89          |
| 4.65136          | 42.96            | 56.00            | 13.04          |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.33277          | 47.95            | 49.38            | 1.43           |
| 0.54104          | 42.44            | 46.00            | 3.56           |
| 0.58127          | 43.06            | 46.00            | 2.94           |
| 1.03992          | 41.75            | 46.00            | 4.25           |
| 1.45325          | 41.38            | 46.00            | 4.62           |
| 1.95156          | 40.85            | 46.00            | 5.15           |
| 3.19842          | 40.93            | 46.00            | 5.07           |

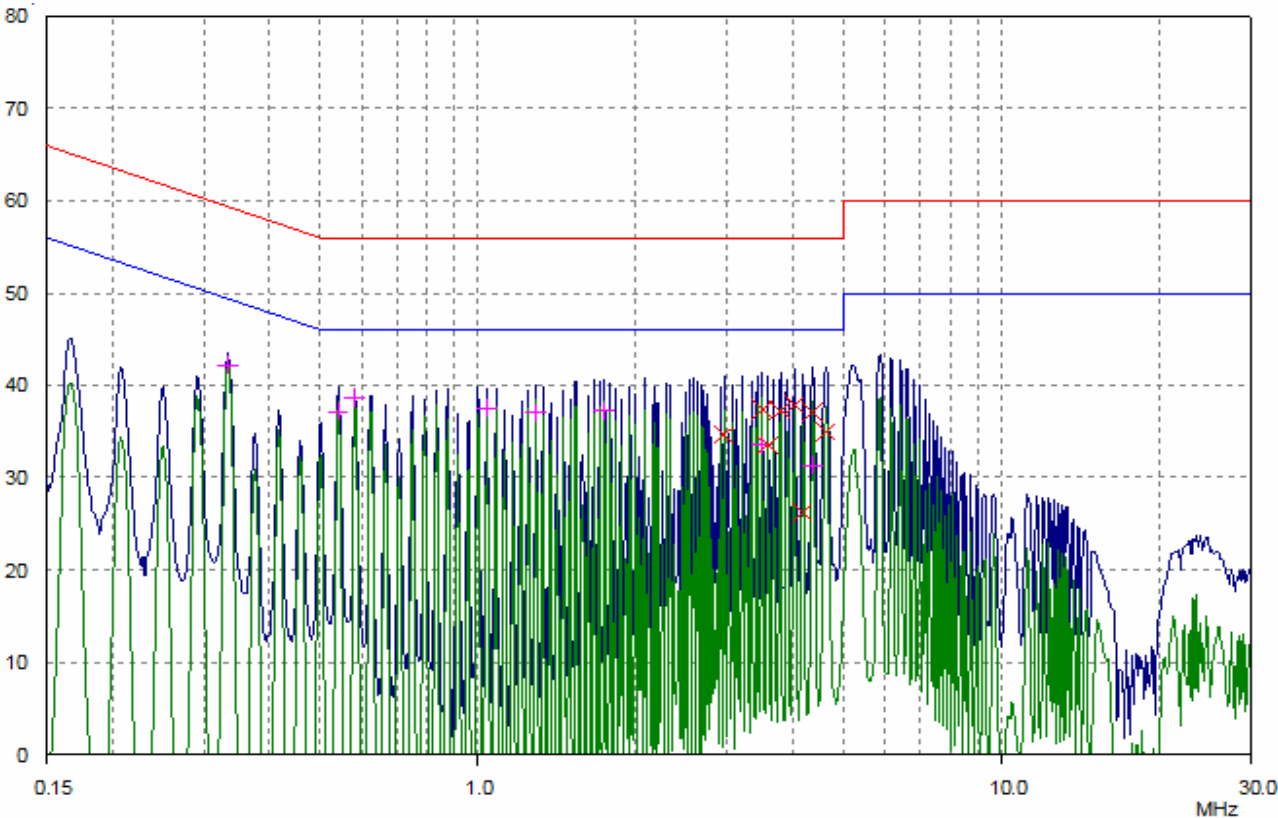
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Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

Report No.: SHEMA060500300IT  
Page 41 of 53

N Line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 2.95345          | 34.65            | 56.00            | 21.35          |
| 3.49141          | 37.37            | 56.00            | 18.63          |
| 3.57588          | 33.51            | 56.00            | 22.49          |
| 3.781            | 37.25            | 56.00            | 18.75          |
| 4.02986          | 37.85            | 56.00            | 18.15          |
| 4.16038          | 26.15            | 56.00            | 29.85          |
| 4.36411          | 37.11            | 56.00            | 18.89          |
| 4.61445          | 34.95            | 56.00            | 21.05          |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.33277          | 42.19            | 49.38            | 7.19           |
| 0.54104          | 37.15            | 46.00            | 8.85           |
| 0.58127          | 38.56            | 46.00            | 7.44           |
| 1.03992          | 37.53            | 46.00            | 8.47           |
| 1.28954          | 37.03            | 46.00            | 8.97           |
| 1.74556          | 37.23            | 46.00            | 8.77           |
| 3.49141          | 33.52            | 46.00            | 12.48          |
| 4.36411          | 31.29            | 46.00            | 14.71          |

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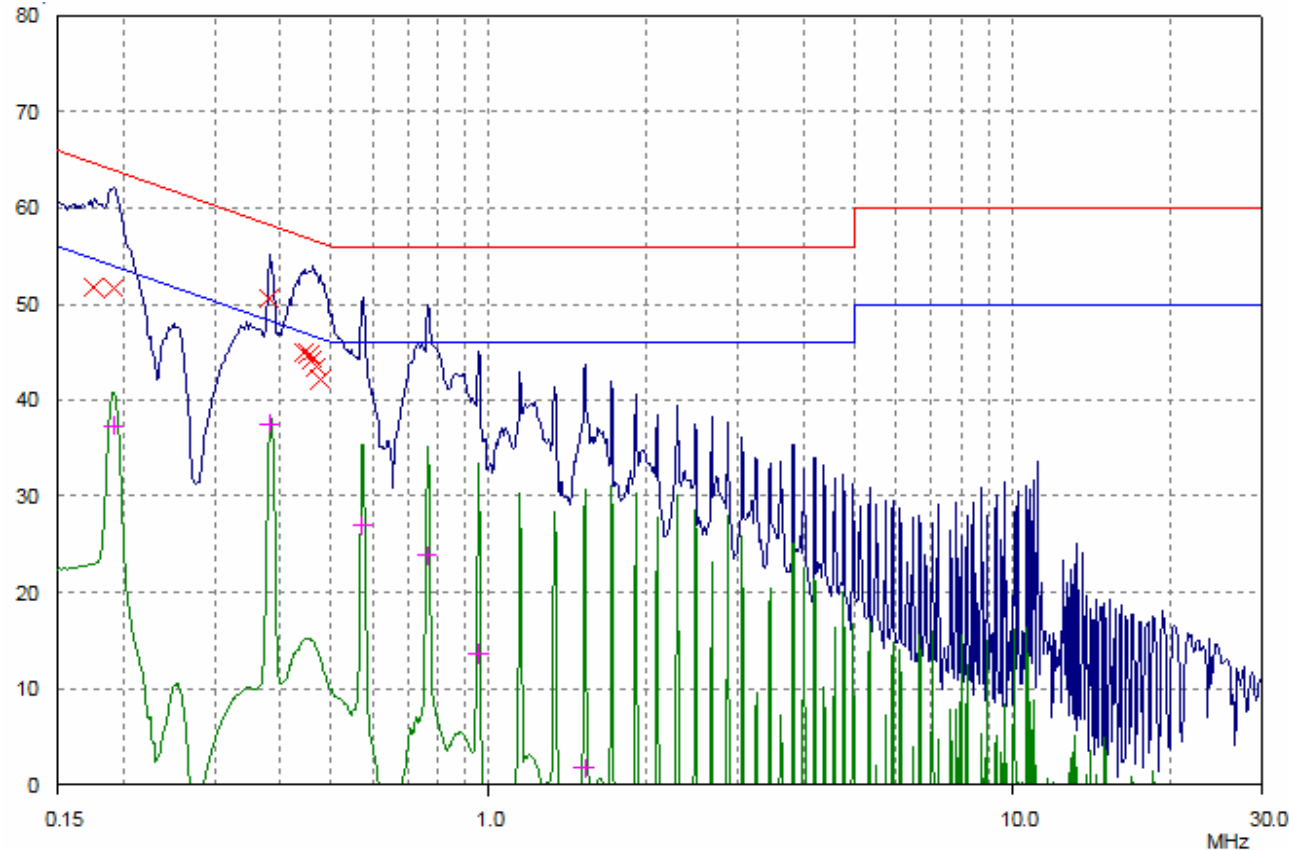
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Yishan Road, Xuhui District, Shanghai, China

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Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

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Page 42 of 53

PCS 1900 connected: (test Mobile with 3DS09371AGAA of Astec power adaptor and headset.)

L Line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.17591          | 51.76            | 64.68            | 12.92          |
| 0.19202          | 51.65            | 63.95            | 12.30          |
| 0.38104          | 50.56            | 58.26            | 7.70           |
| 0.44332          | 44.97            | 57.00            | 12.03          |
| 0.45405          | 44.78            | 56.80            | 12.02          |
| 0.46134          | 44.22            | 56.67            | 12.45          |
| 0.46875          | 43.45            | 56.54            | 13.09          |
| 0.47628          | 42.18            | 56.40            | 14.22          |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.19202          | 37.34            | 53.95            | 16.61          |
| 0.38104          | 37.40            | 48.26            | 10.86          |
| 0.57208          | 26.97            | 46.00            | 19.03          |
| 0.76214          | 23.82            | 46.00            | 22.18          |
| 0.95265          | 13.51            | 46.00            | 32.49          |
| 1.52442          | 1.78             | 46.00            | 44.22          |

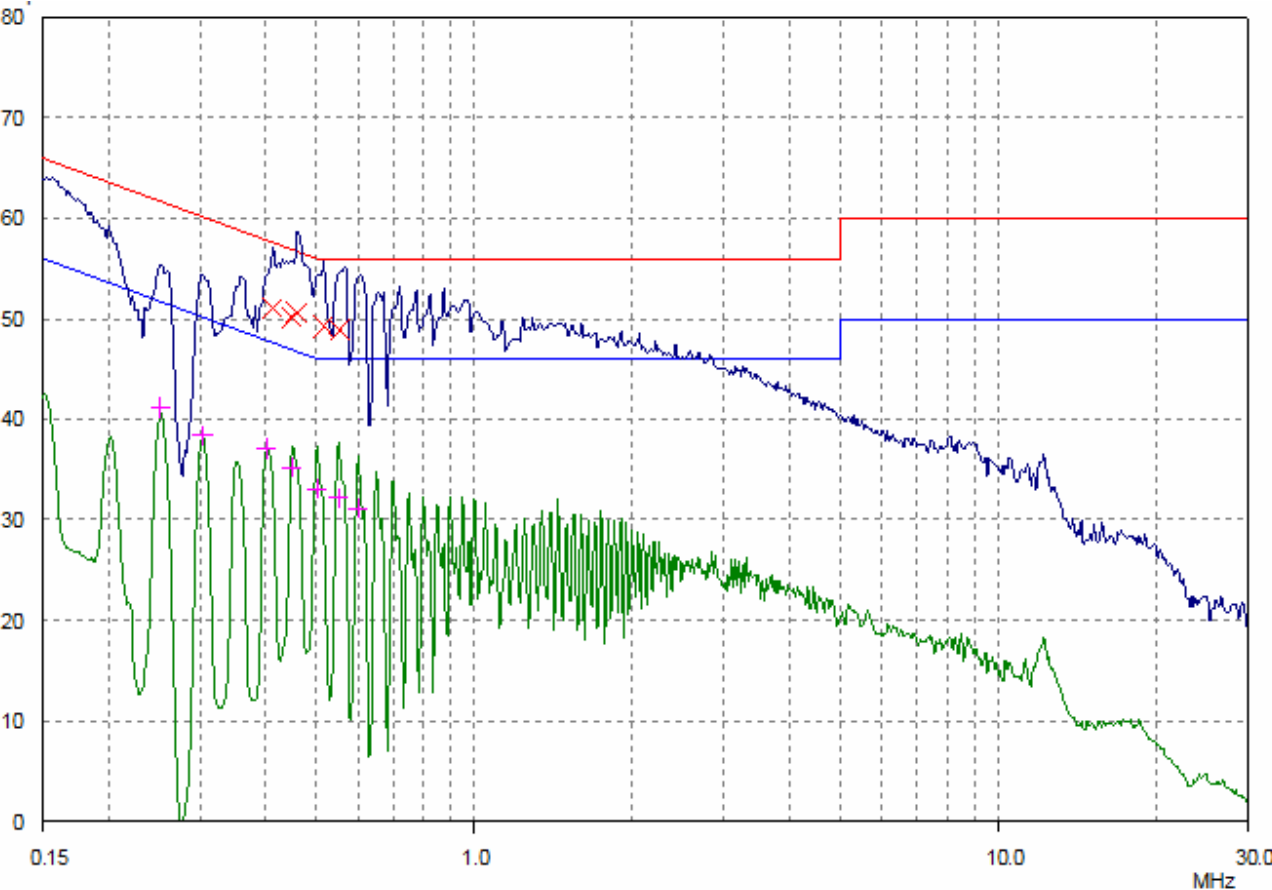
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1/F, 7/F, 9/F, 10/F, the 3rd Building No. 889,  
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

Report No.: SHEMA060500300IT  
Page 43 of 53

N Line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.41264          | 51.04            | 57.59            | 6.55           |
| 0.45044          | 50.11            | 56.87            | 6.76           |
| 0.45768          | 50.66            | 56.73            | 6.07           |
| 0.51578          | 49.23            | 56.00            | 6.77           |
| 0.55413          | 48.91            | 56.00            | 7.09           |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.25178          | 41.12            | 51.70            | 10.58          |
| 0.30242          | 38.35            | 50.18            | 11.83          |
| 0.40289          | 37.08            | 47.79            | 10.71          |
| 0.45044          | 35.16            | 46.87            | 11.71          |
| 0.49961          | 33.08            | 46.01            | 12.93          |
| 0.54974          | 32.16            | 46.00            | 13.84          |
| 0.6001           | 31.01            | 46.00            | 14.99          |

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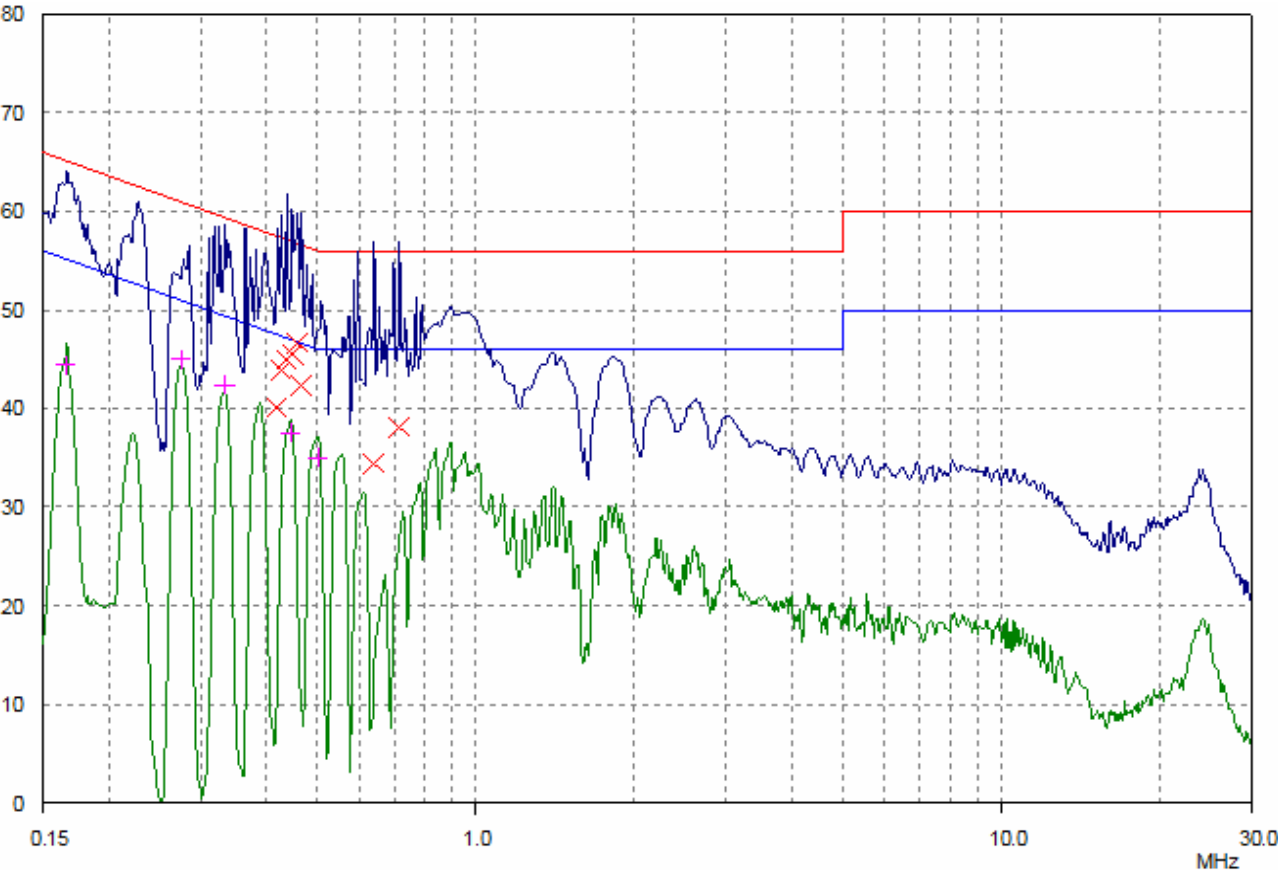
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Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

Report No.: SHEMO060500300IT  
Page 44 of 53

PCS 1900 connected: (test Mobile with 3DS09371AAAA of Astec power adaptor and headset.)

L Line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.41927          | 40.12            | 57.46            | 17.34          |
| 0.42601          | 43.86            | 57.33            | 13.47          |
| 0.43631          | 44.91            | 57.13            | 12.22          |
| 0.44687          | 45.47            | 56.93            | 11.46          |
| 0.45768          | 46.61            | 56.73            | 10.12          |
| 0.46503          | 42.33            | 56.60            | 14.27          |
| 0.63959          | 34.40            | 56.00            | 21.60          |
| 0.71508          | 38.10            | 56.00            | 17.90          |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.16637          | 44.44            | 55.14            | 10.70          |
| 0.27484          | 44.93            | 50.97            | 6.04           |
| 0.33277          | 42.36            | 49.38            | 7.02           |
| 0.44332          | 37.47            | 47.00            | 9.53           |
| 0.49961          | 35.07            | 46.01            | 10.94          |

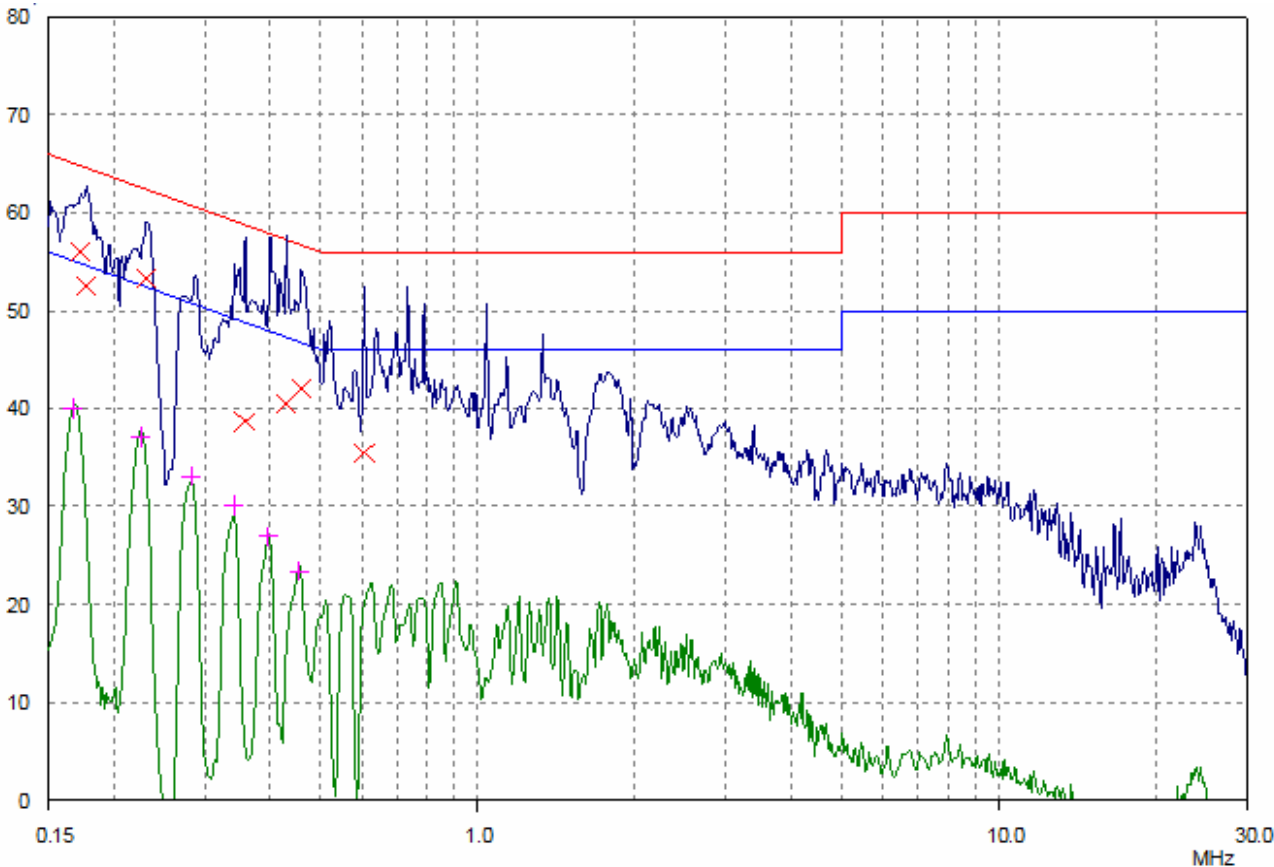
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Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

Report No.: SHEMA060500300IT  
Page 45 of 53

N Line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.17313          | 56.00            | 64.81            | 8.81           |
| 0.17732          | 52.60            | 64.61            | 12.01          |
| 0.23065          | 53.25            | 62.43            | 9.18           |
| 0.35751          | 38.67            | 58.79            | 20.12          |
| 0.42941          | 40.55            | 57.26            | 16.71          |
| 0.45768          | 42.01            | 56.73            | 14.72          |
| 0.6049           | 35.44            | 56.00            | 20.56          |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.1677           | 39.99            | 55.07            | 15.08          |
| 0.2252           | 37.09            | 52.62            | 15.53          |
| 0.28149          | 33.08            | 50.77            | 17.69          |
| 0.34082          | 30.02            | 49.18            | 19.16          |
| 0.39653          | 26.93            | 47.93            | 21.00          |
| 0.45405          | 23.36            | 46.80            | 23.44          |

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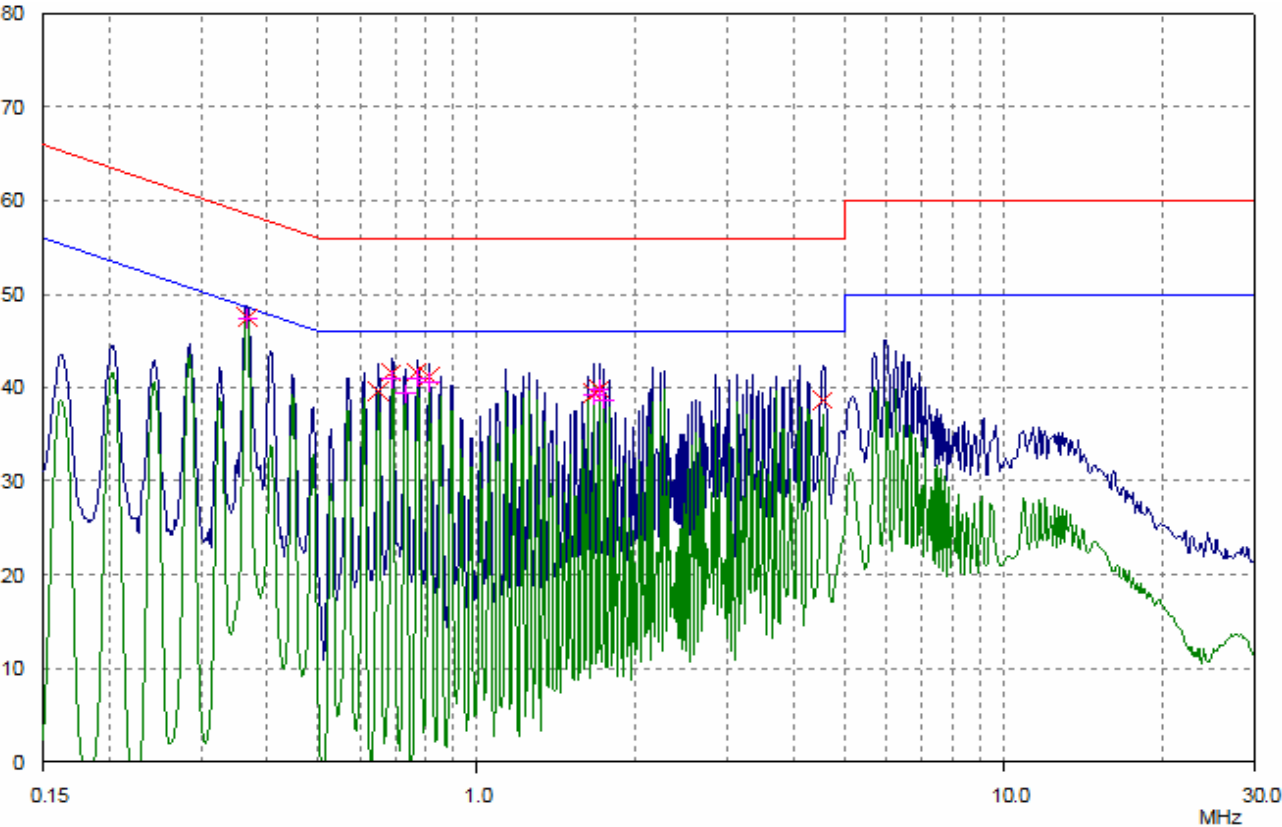
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Fax: +86 (0) 21 5450 0954  
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Report No.: SHEMA060500300IT  
Page 46 of 53

PCS 1900 connected: (test Mobile with 3DS09371AAAA of Leader power adaptor and headset.)

L Line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.36615          | 47.53            | 58.59            | 11.06          |
| 0.64987          | 39.62            | 56.00            | 16.38          |
| 0.68715          | 41.62            | 56.00            | 14.38          |
| 0.76824          | 41.70            | 56.00            | 14.30          |
| 0.81231          | 41.19            | 56.00            | 14.81          |
| 1.66407          | 39.39            | 56.00            | 16.61          |
| 1.70432          | 39.79            | 56.00            | 16.21          |
| 4.54149          | 38.65            | 56.00            | 17.35          |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.36615          | 47.35            | 48.59            | 1.24           |
| 0.68715          | 40.90            | 46.00            | 5.10           |
| 0.73238          | 39.35            | 46.00            | 6.65           |
| 0.76824          | 40.98            | 46.00            | 5.02           |
| 0.81231          | 40.51            | 46.00            | 5.49           |
| 1.66407          | 39.13            | 46.00            | 6.87           |
| 1.70432          | 39.85            | 46.00            | 6.15           |
| 1.74556          | 38.65            | 46.00            | 7.35           |

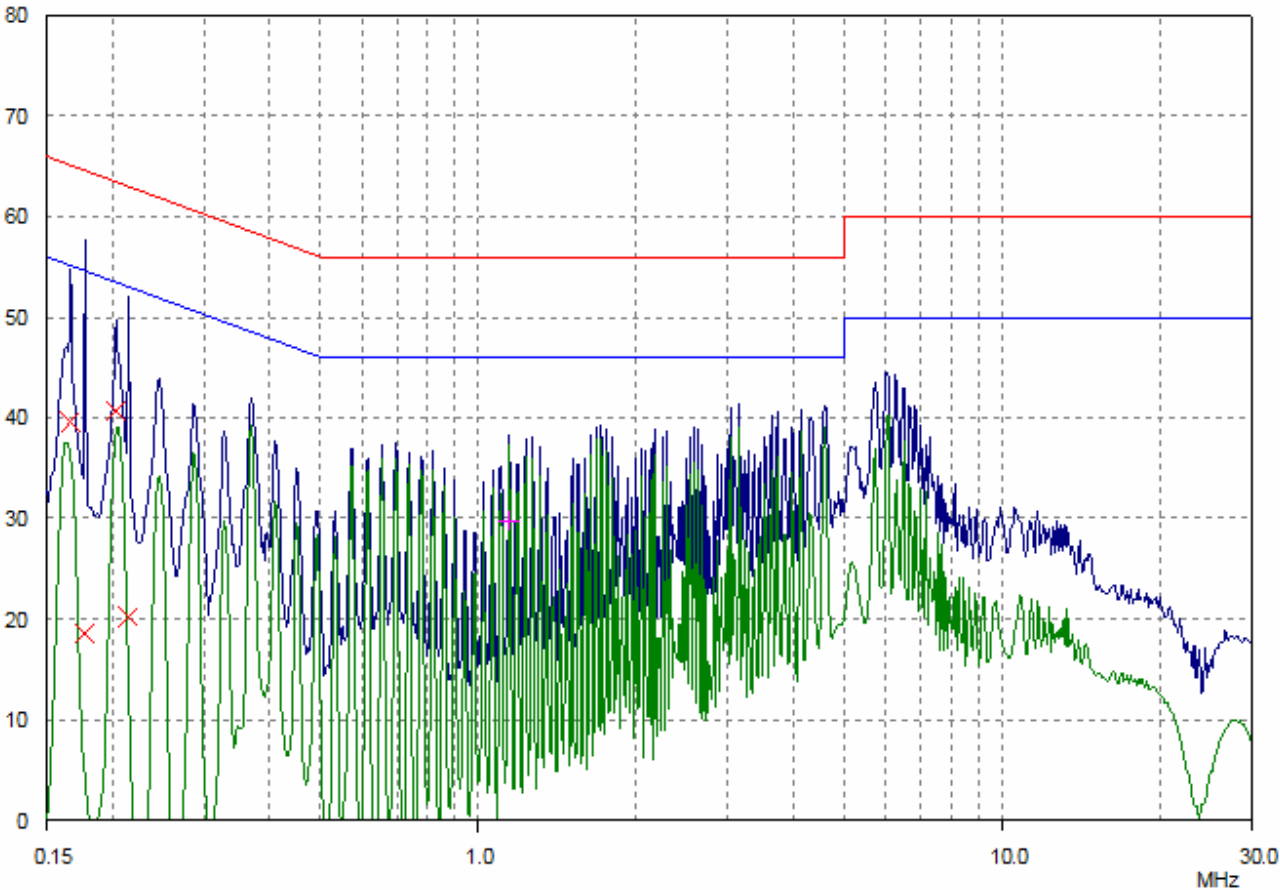
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Page 47 of 53

N Line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.16637          | 39.56            | 65.14            | 25.58          |
| 0.17732          | 18.55            | 64.61            | 46.06          |
| 0.20304          | 40.62            | 63.49            | 22.87          |
| 0.21469          | 20.23            | 63.02            | 42.79          |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 1.14426          | 29.67            | 46.00            | 16.33          |

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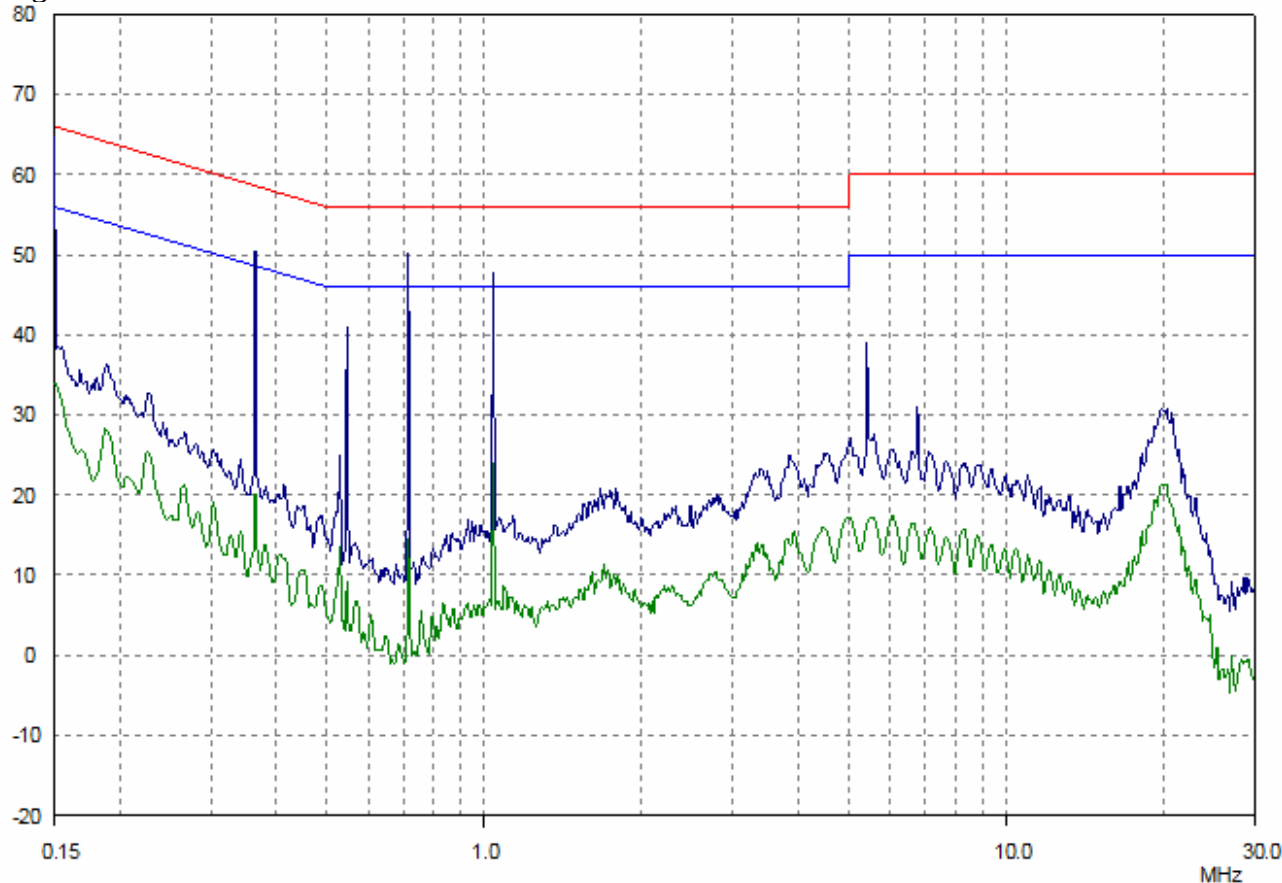
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Fax: +86 (0) 21 5450 0954  
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Report No.: SHEMA060500300IT  
Page 48 of 53

PCS 1900 connected: (test Mobile with 3DS07848AAAA of Primax power adaptor and headset.)

Negative:



| Frequency<br>(MHz) | Receiver<br>QP<br>Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Receiver<br>AV<br>Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) |
|--------------------|-----------------------------------|-----------------|----------------|-----------------------------------|-----------------|----------------|
| 0.15               | *                                 | 66              | *              | *                                 | 56              | *              |
| 0.24               | *                                 | 63.43           | *              | *                                 | 53.44           | *              |
| 0.543              | *                                 | 56              | *              | *                                 | 46              | *              |
| 5.00               | *                                 | 56              | *              | *                                 | 46              | *              |
| 10.00              | *                                 | 60              | *              | *                                 | 50              | *              |
| 22.00              | *                                 | 60              | *              | *                                 | 50              | *              |
| 30.00              | *                                 | 60              | *              | *                                 | 50              | *              |

“\*” means the emission level is 6dB lower than the relevant limit.

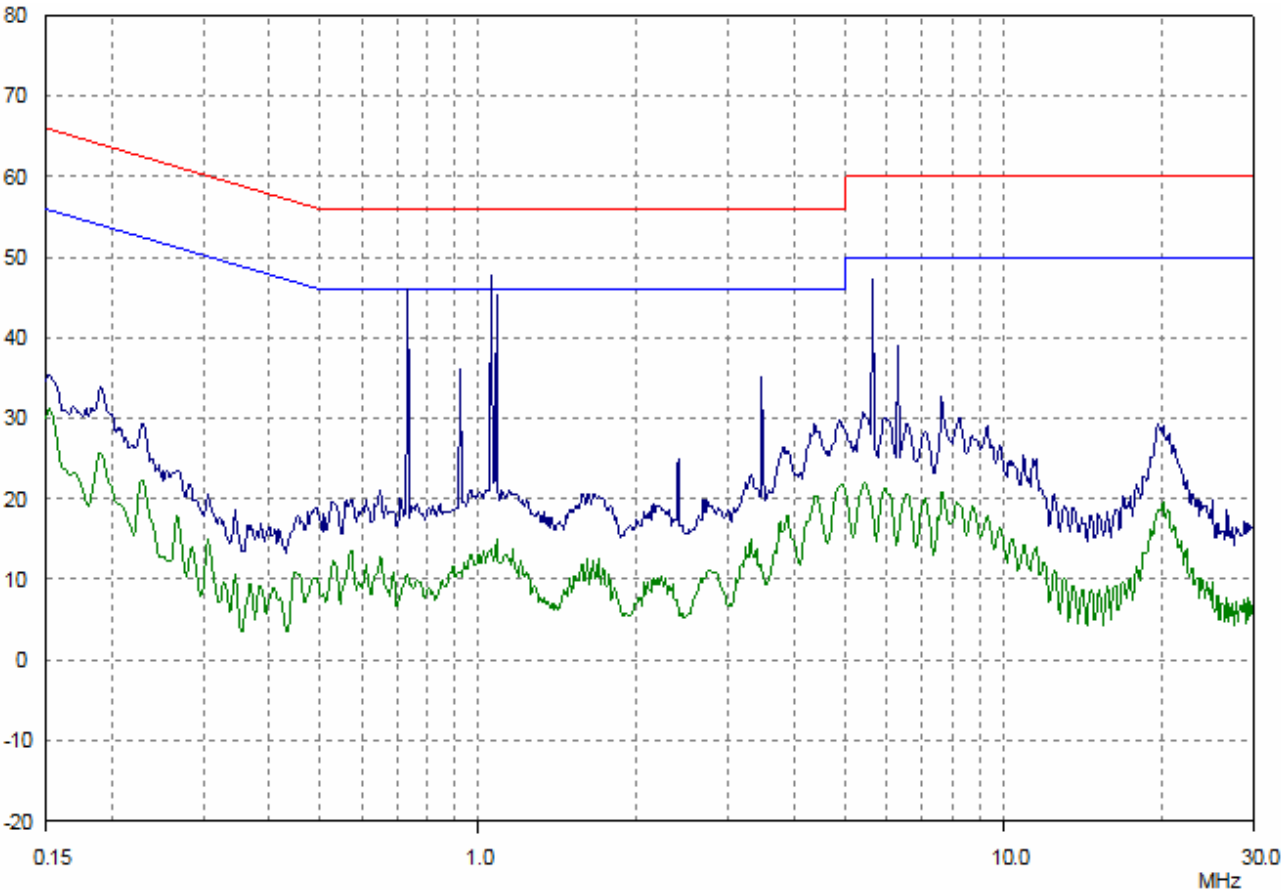
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Yishan Road, Xuhui District, Shanghai, China

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Page 49 of 53

Positive:



| Frequency | Receiver |        |        | Receiver |        |        |
|-----------|----------|--------|--------|----------|--------|--------|
|           | QP       | Limit  | Margin | AV       | Limit  | Margin |
| (MHz)     | Level    | (dBuV) | (dB)   | Level    | (dBuV) | (dB)   |
|           | (dBuV)   |        |        | (dBuV)   |        |        |
| 0.15      | *        | 66     | *      | *        | 56     | *      |
| 0.24      | *        | 63.43  | *      | *        | 53.44  | *      |
| 0.543     | *        | 56     | *      | *        | 46     | *      |
| 5.00      | *        | 56     | *      | *        | 46     | *      |
| 10.00     | *        | 60     | *      | *        | 50     | *      |
| 22.00     | *        | 60     | *      | *        | 50     | *      |
| 30.00     | *        | 60     | *      | *        | 50     | *      |

“\*” means the emission level is 6dB lower than the relevant limit.

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1/F, 7/F, 9/F, 10/F, the 3rd Building No. 889,  
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
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Page 50 of 53

## 7 Photographs

### 7.1 Radiated Emission Test Setup



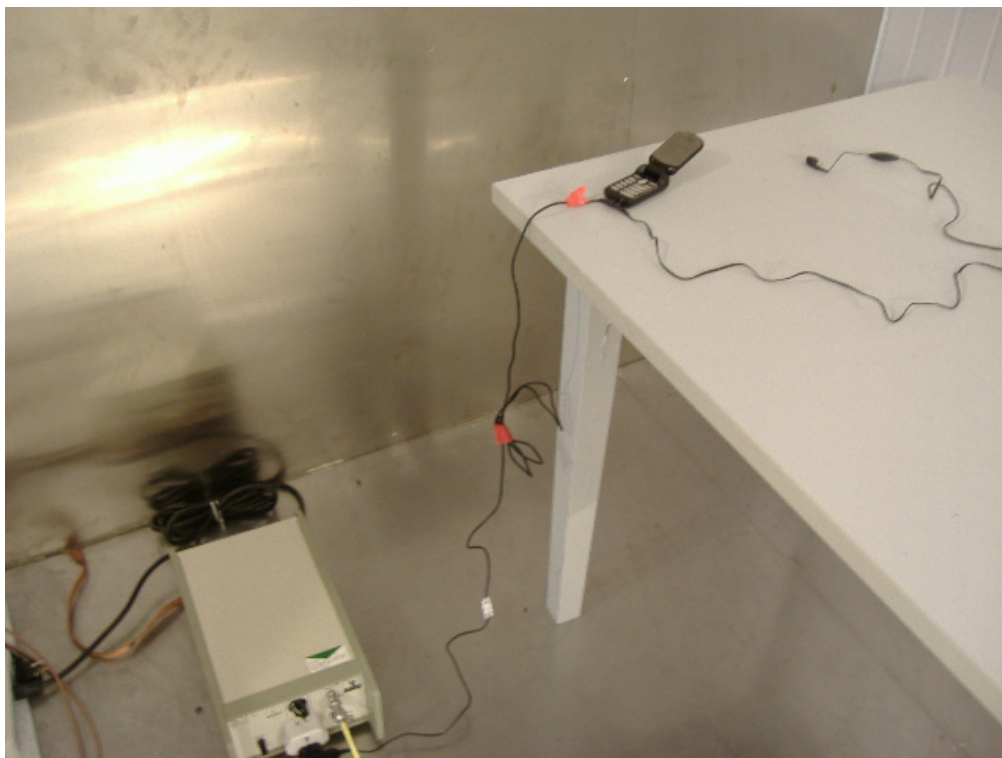
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Page 51 of 53

### 7.2 Conducted Emission Test Setup



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Fax: +86 (0) 21 5450 0954  
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Page 52 of 53

### 7.3 EUT Constructional Details



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Page 53 of 53



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