

**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.: SHEMO061200031IT  
Page 1 of 36

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

**Application No.:** SHEMO061200031IT

**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 Phones

**Model No.:** CVLE6 D2

**Marketing Name:** OT-E225a

**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:** 29 December 2006

**Date of Test:** 29 December 2006 to 9 January 2007

**Date of Issue:** 9 January 2007

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

Authorized Signature:



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



Jacky Cao  
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.

**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.: SHEMA061200031IT  
Page 2 of 36

## 2 Test Summary

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

# 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.: SHEMO061200031IT  
Page 3 of 36

## 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
4.7 DEVIATION FROM STANDARDS.....	6
4.8 ABNORMALITIES FROM STANDARD CONDITIONS .....	6
4.9 MONITORING OF EUT FOR ALL IMMUNITY TEST .....	6
4.10 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 <i>E.U.T. Operation</i> .....	8
6.1.2 <i>Test setup:</i> .....	8
6.1.3 <i>Test Result:</i> .....	9
6.2 CONDUCTED EMISSIONS, 150KHZ TO 30MHZ .....	21
6.2.1 <i>E.U.T. Operation</i> .....	21
6.2.2 <i>Test Result and Partial Measurement Data</i> .....	21
<b>7 PHOTOGRAPHS.....</b>	<b>31</b>
7.1 RADIATED EMISSION TEST SETUP.....	31
7.2 CONDUCTED EMISSION TEST SETUP .....	32
7.3 EUT CONSTRUCTIONAL DETAILS .....	32

# 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.: SHEMO061200031IT  
Page 4 of 36

## 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.: CVLE6 D2  
Marketing Name: OT-E225a  
Serial No.: N/A  
GSM Frequency Bands GSM850/PCS1900

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

Power Supply01: AC to DC charger (Model NO: 3DS09371AGAA  
Input: AC 100V-127V~, 50/60Hz 0.15A Output:DC 4.5V, 0.35A)  
Manufactures: Leader

Power Cord01: 2.0m

Power Supply02: AC to DC charger (Model NO: 3DS10628AGAA  
Input: AC 100V-240V~, 50/60Hz 100mA Output: DC 4.5V, 0.35A)  
Manufactures: Tenpao

Power Cord02: 2m

Power Supply03: AC to DC charger (Model NO: 3DS10628AHAA  
Input: AC 100V-240V~, 50/60Hz 100mA Output: DC 4.5V, 0.35A)  
Manufactures: Tenpao

Power Cord03: 2m

Battery DC 3.7V / 650mAh  
modle: 3DS11080AAAA  
Manufacturers: BYD

Headset P/N: 3DS07855AAAA  
Manufacturers: Merry

## 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.: SHEMO061200031IT  
Page 5 of 36

### 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

# 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.: SHEMO061200031IT  
Page 6 of 36

## 4.7 Deviation from Standards

None.

## 4.8 Abnormalities from Standard Conditions

None.

## 4.9 Monitoring of EUT for All Immunity Test

N/A

## 4.10 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.

**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.: SHEMO061200031IT  
Page 7 of 36

## 5 Equipments Used during Test

<b>Radiated emission</b>						
<b>Item</b>	<b>Test Equipment</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Serial No.</b>	<b>Cal. Date (dd-mm-yy)</b>	<b>Cal.Due date (dd-mm-yy)</b>
1	HORN ANTENNA	R&S	HF 906	100023	2006-06-17	2007-06-16
2	BROADBAND ANTENNA	R&S	HL 562	100019	2006-06-17	2007-06-16
3	EMI TEST RECEIVER	R&S	ESI 26	838786/011	2006-03-06	2007-03-05
4	UNIVERSAL RADIO COMMUNICATION TESTER	R&S	CMU 200	100536	2006-01-25	2007-01-24

<b>Conducted Emission</b>						
<b>Item</b>	<b>Test Equipment</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Serial No.</b>	<b>Cal. Date (dd-mm-yy)</b>	<b>Cal.Due date (dd-mm-yy)</b>
1	EMI test receiver	Rohde & Schwarz	ESCS30	100086	2006-6-29	2007-6-28
2	Line impedance stabilization network	ETS	3816/2	00034161	2006-6-29	2007-6-28

### General Equipment

<b>Item</b>	<b>Test Equipment</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Serial No.</b>	<b>Cal. Date</b>	<b>Due date</b>
1	Temperature, Humidity & Barometer	Oregon Scientific	BA-888	EMC0001 to EMC0004	2006-07-25	2007-07-24
2	DMM	Fluke	73	70681569 or 70671122	2006-07-23	2007-07-22

# 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.: SHEMO061200031IT  
Page 8 of 36

## 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:	January 2, 2007
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)

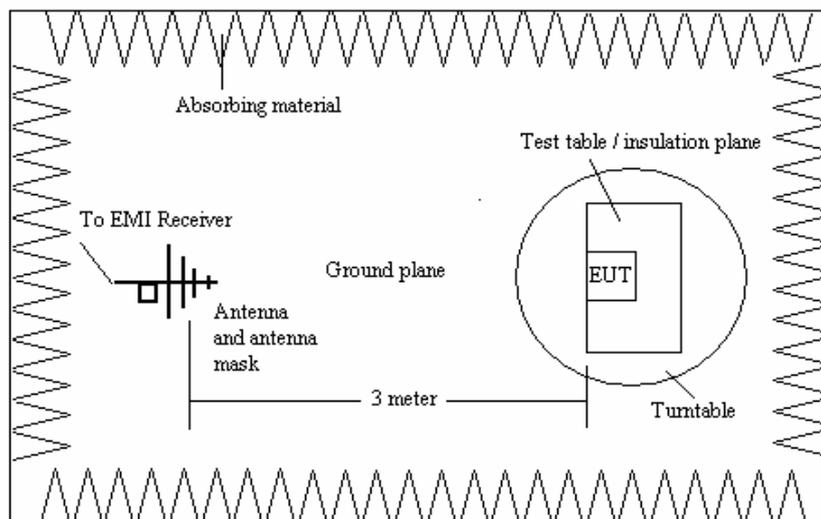
#### 6.1.1 E.U.T. Operation

Operating Environment:

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

EUT Operation: EUT allocated channel mode GSM850&PCS 1900 with charger and earphone

#### 6.1.2 Test setup:



# 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

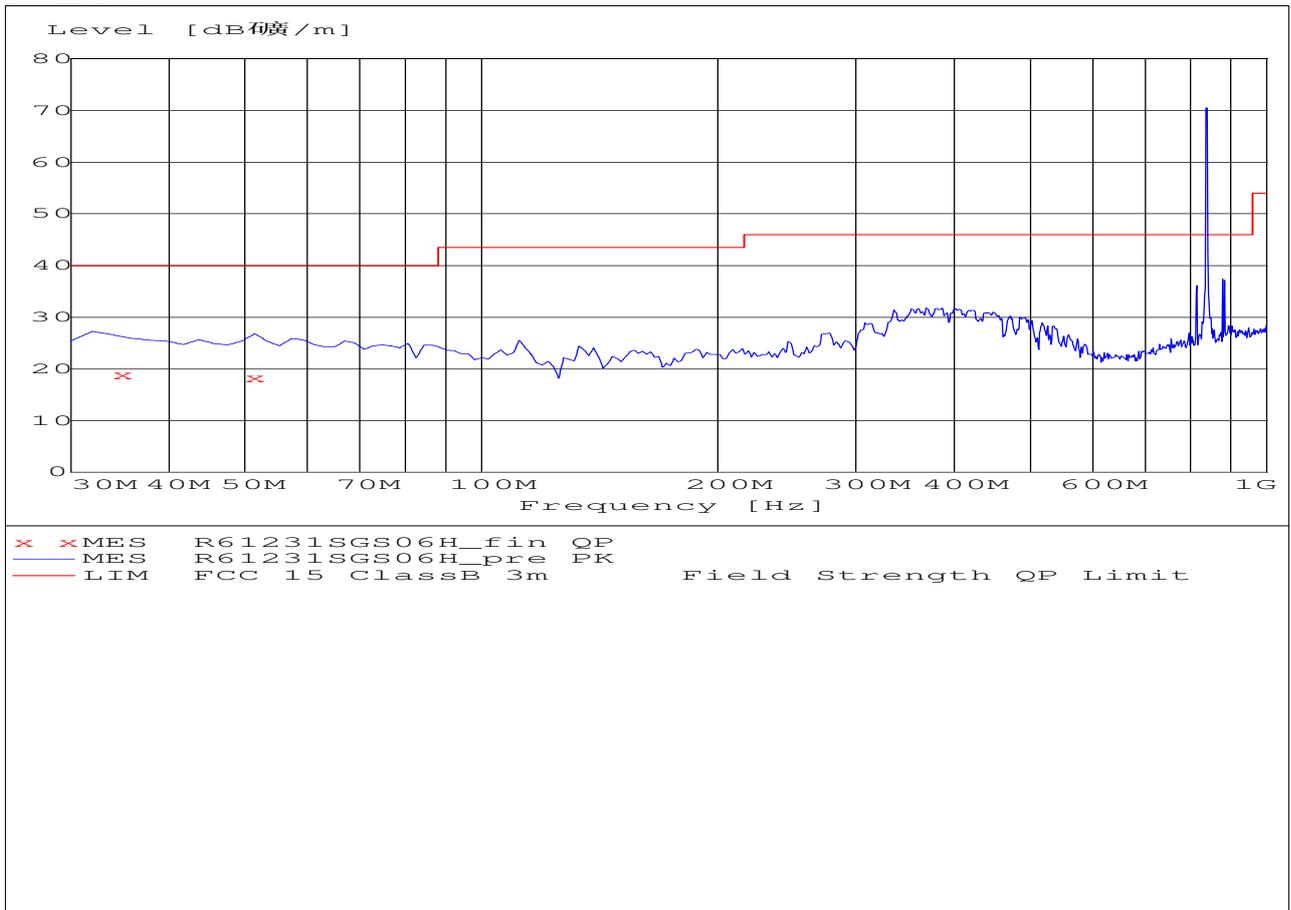
Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

Report No.: SHEMA061200031IT  
Page 9 of 36

## 6.1.3 Test Result:

GSM850 dedicated: (test with the adapter of power supply 01)

Horizontal:



Frequency	Level	Height	Azimuth	Polarisation
MHz	dBµV/m	cm	deg	

34.649299	18.82	100.0	0.00	HORIZONTAL
51.062124	18.15	100.0	0.00	HORIZONTAL

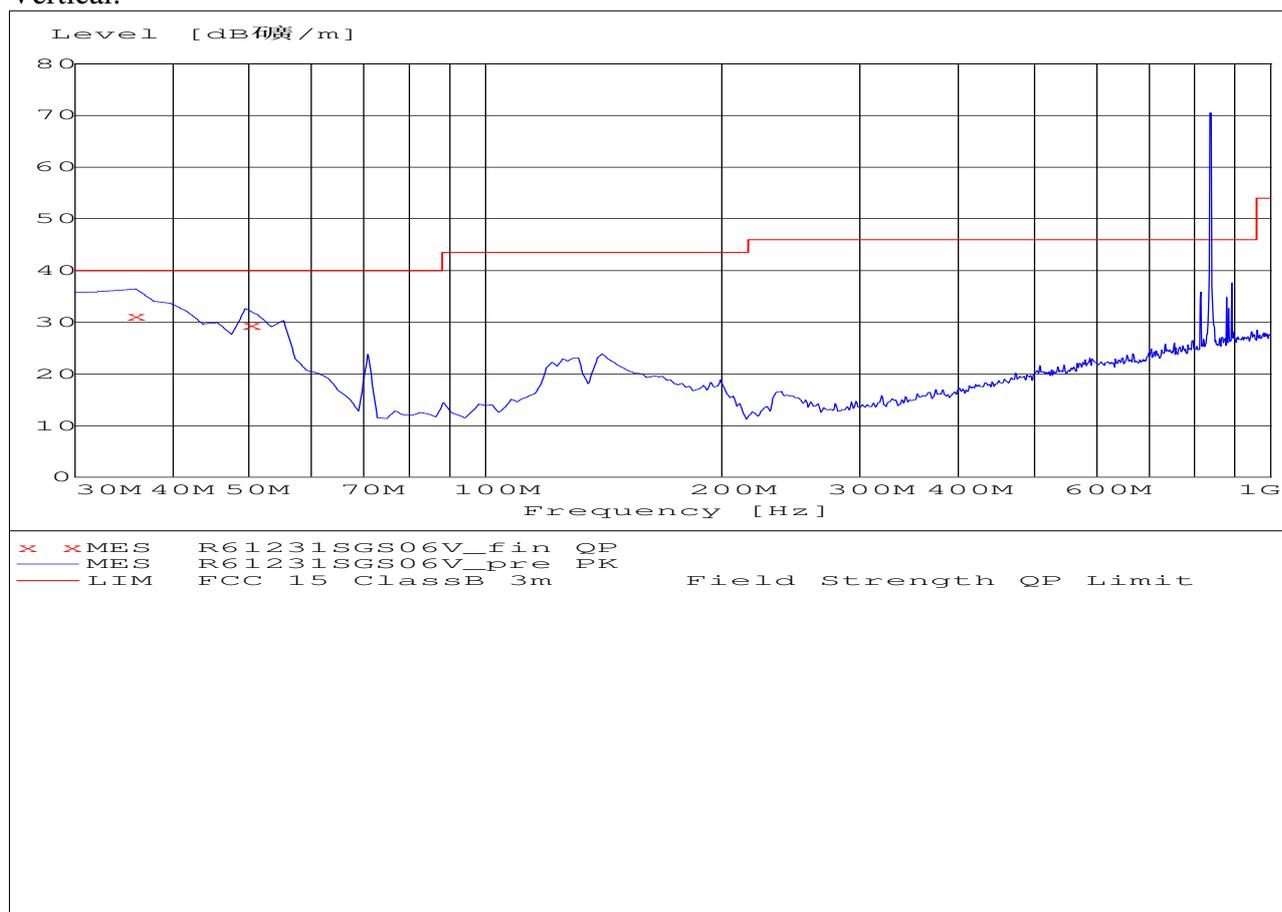
# SGS-CSTC Standards Technical Services Co., Ltd.

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.: SHEMA061200031IT  
Page 10 of 36

## Vertical:



Frequency	Level	Height	Azimuth	Polarisation
MHz	dB $\mu$ V/m	cm	deg	

35.651303	31.02	100.0	270.00	VERTICAL
50.080160	29.33	400.0	90.00	VERTICAL

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

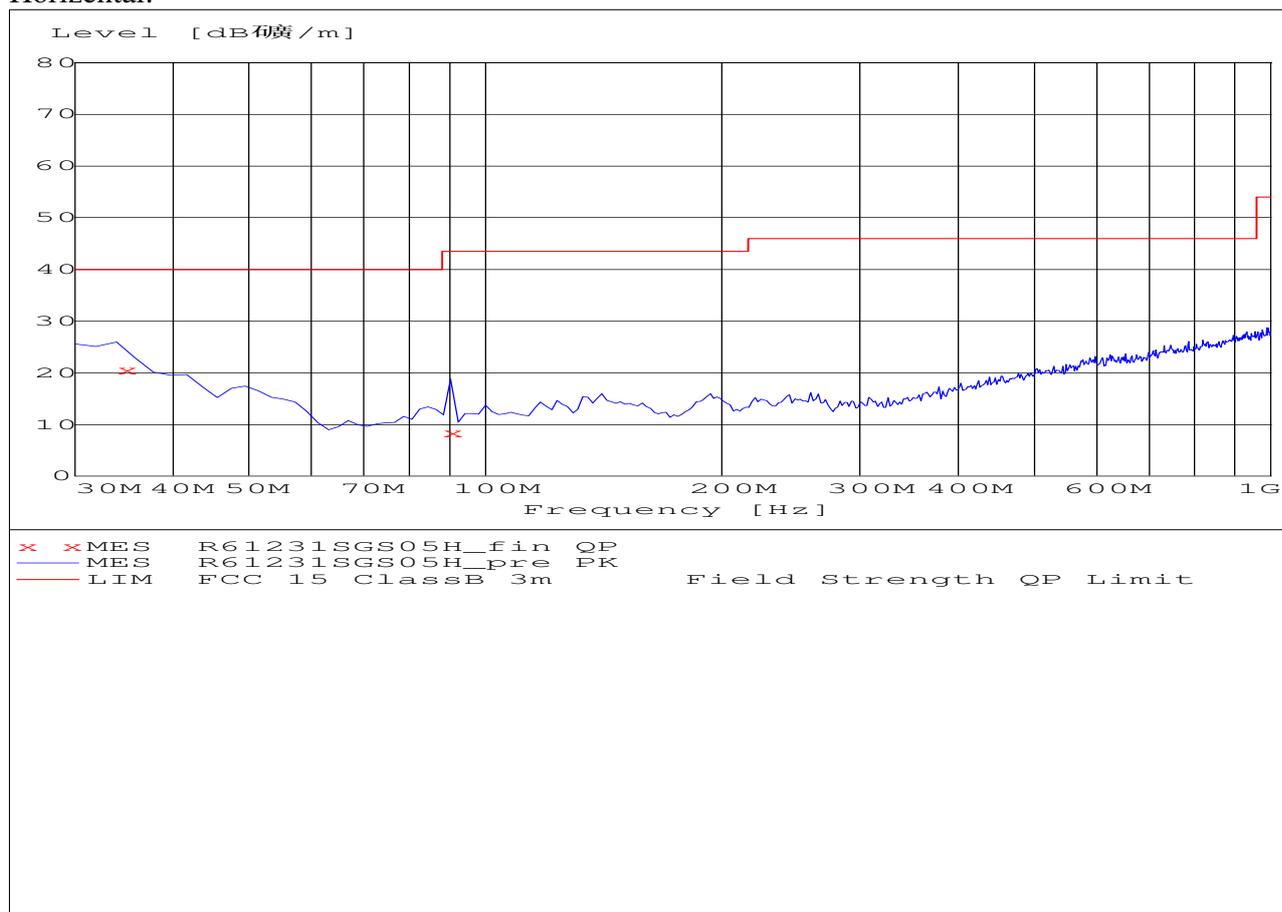
1/F, 7/F, 9/F, 10/F, the 3rd Building No. 889,  
Yishan Road, Xuhui District, Shanghai, China

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

Report No.: SHEMA061200031IT  
Page 11 of 36

GSM1900 dedicated: (test with the adapter of power supply 01)

Horizontal:



Frequency Level Height Azimuth Polarisation

MHz dB $\mu$ V/m cm deg

34.729459	20.39	100.0	270.00	HORIZONTAL
90.230461	8.45	400.0	270.00	HORIZONTAL

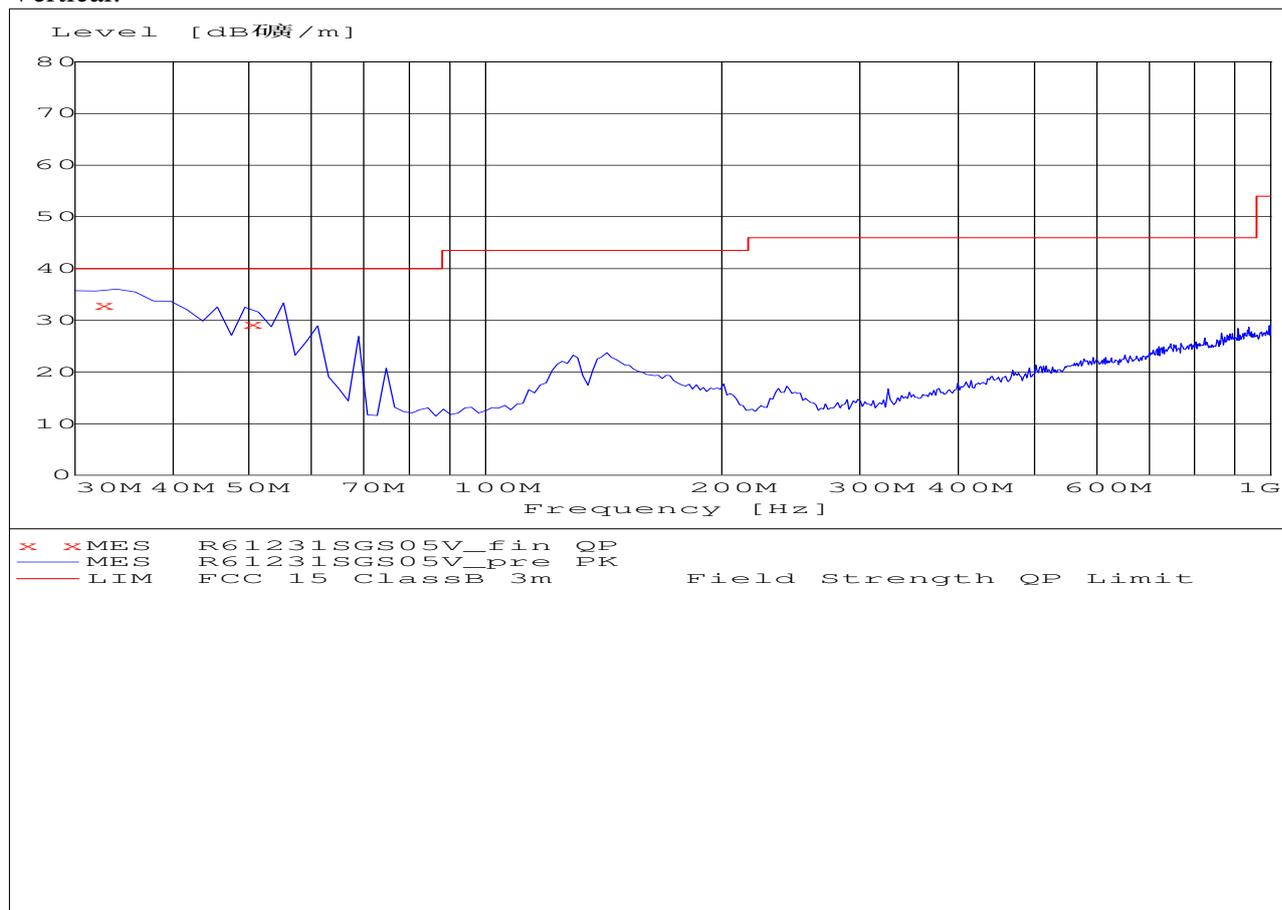
# SGS-CSTC Standards Technical Services Co., Ltd.

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.: SHEMA061200031IT  
Page 12 of 36

## Vertical:



Frequency MHz	Level dBµV/m	Height cm	Azimuth deg	Polarisation
32.464930	32.76	100.0	270.00	VERTICAL
50.240481	29.22	100.0	180.00	VERTICAL

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

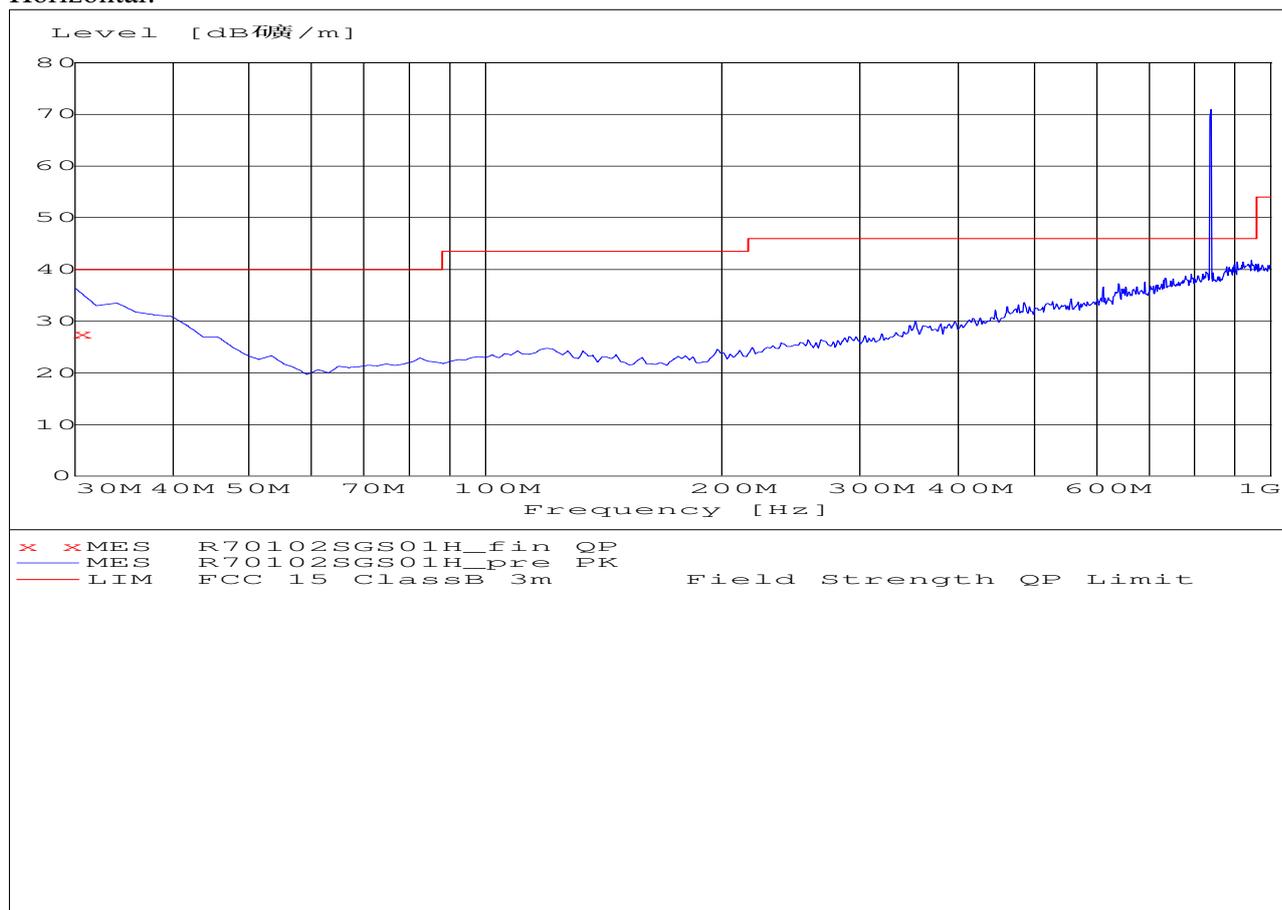
1/F, 7/F, 9/F, 10/F, the 3rd Building No. 889,  
Yishan Road, Xuhui District, Shanghai, China

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

Report No.: SHEMO061200031IT  
Page 13 of 36

GSM850 dedicated: (test with the adapter of power supply 02)

Horizontal:



Frequency	Level	Height	Azimuth	Polarisation
MHz	dBμV/m	cm	deg	

30.478125	27.47	400.0	0.00	HORIZONTAL
-----------	-------	-------	------	------------

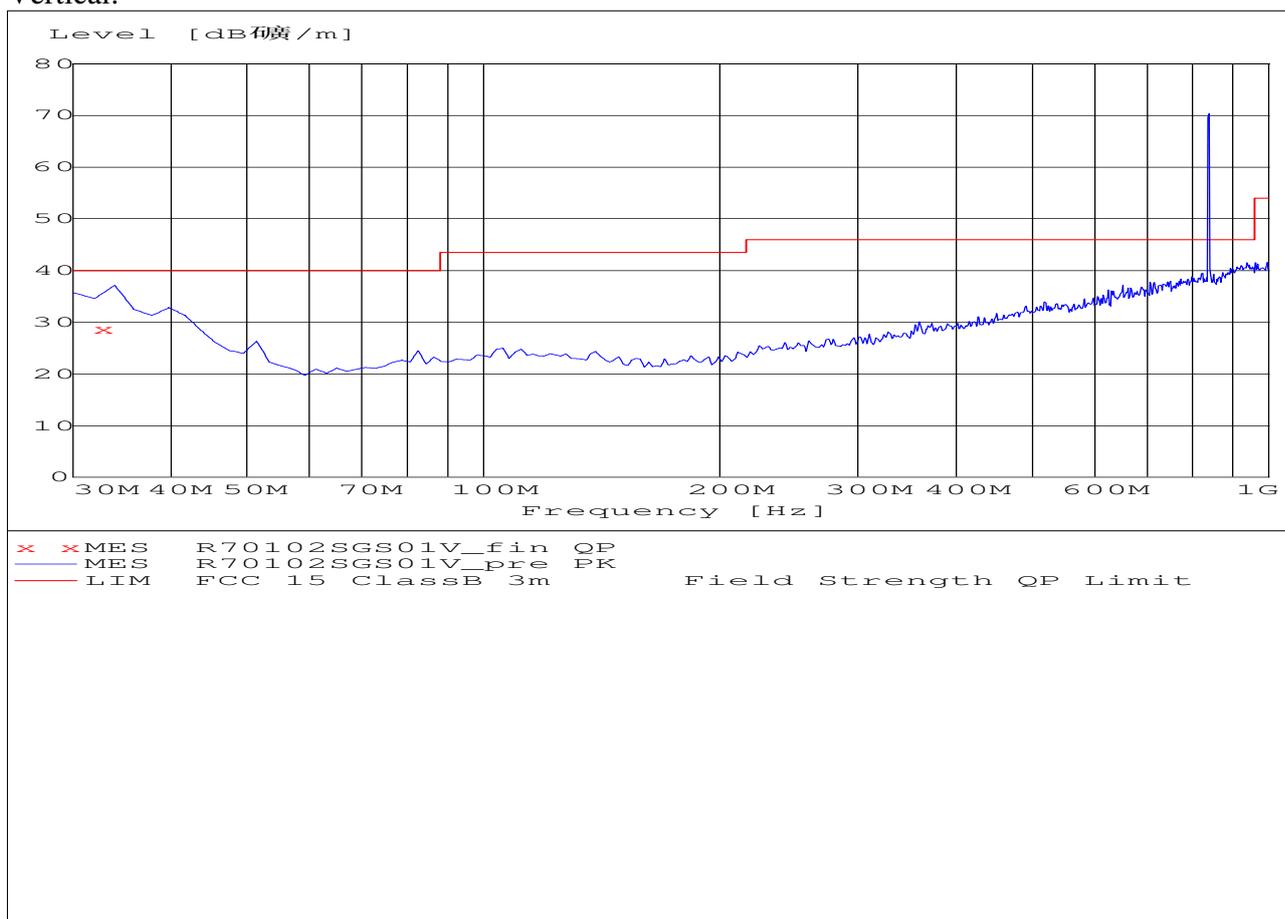
# SGS-CSTC Standards Technical Services Co., Ltd.

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.: SHEMO061200031IT  
Page 14 of 36

## Vertical:



Frequency	Level	Height	Azimuth	Polarisation
MHz	dBμV/m	cm	deg	

32.565130	28.66	100.0	270.00	VERTICAL
-----------	-------	-------	--------	----------

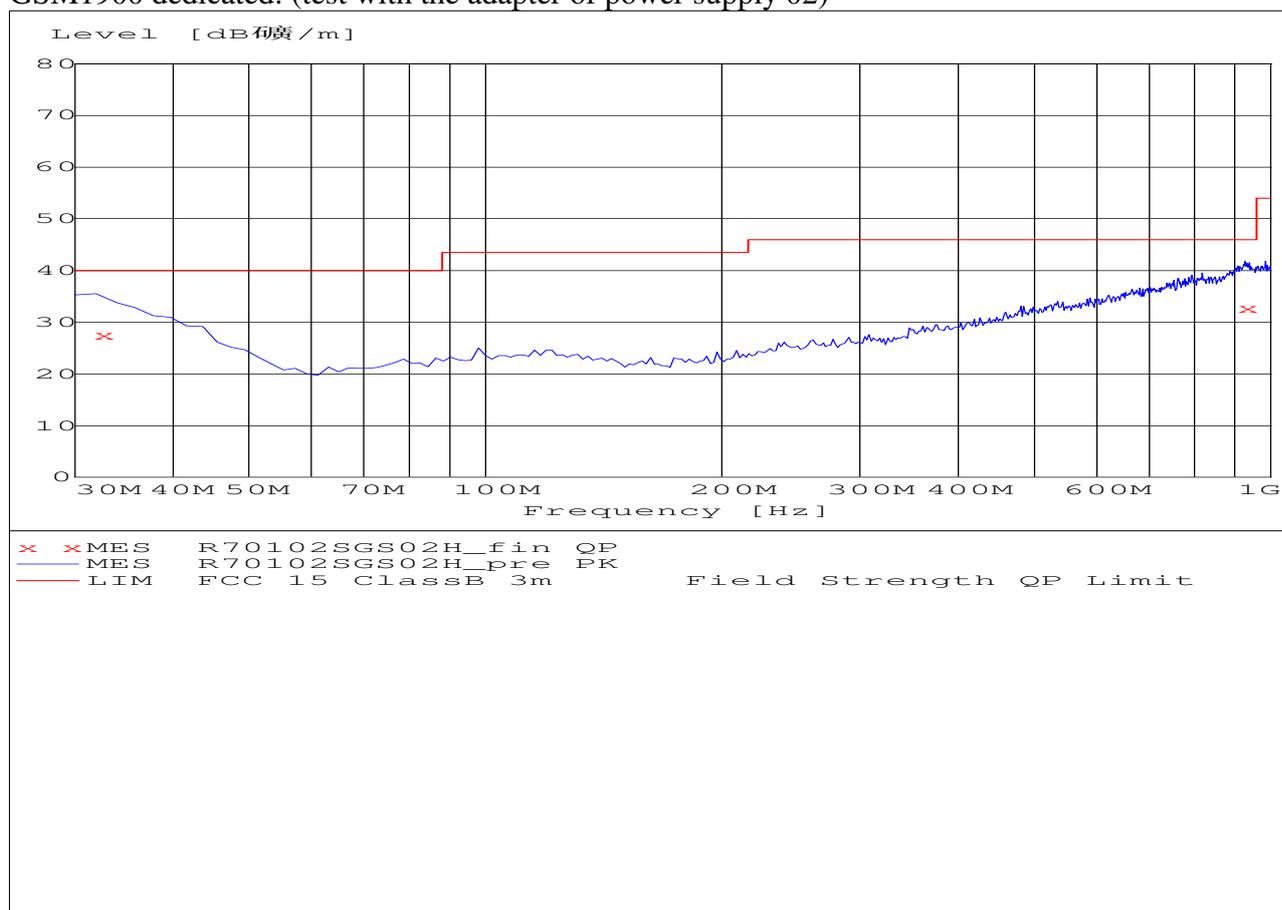
# SGS-CSTC Standards Technical Services Co., Ltd.

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.: SHEMO061200031IT  
Page 15 of 36

## GSM1900 dedicated: (test with the adapter of power supply 02)



Frequency	Level	Height	Azimuth	Polarisation
MHz	dBµV/m	cm	deg	

32.464930	27.36	400.0	90.00	HORIZONTAL
928.791583	32.56	100.0	180.00	HORIZONTAL

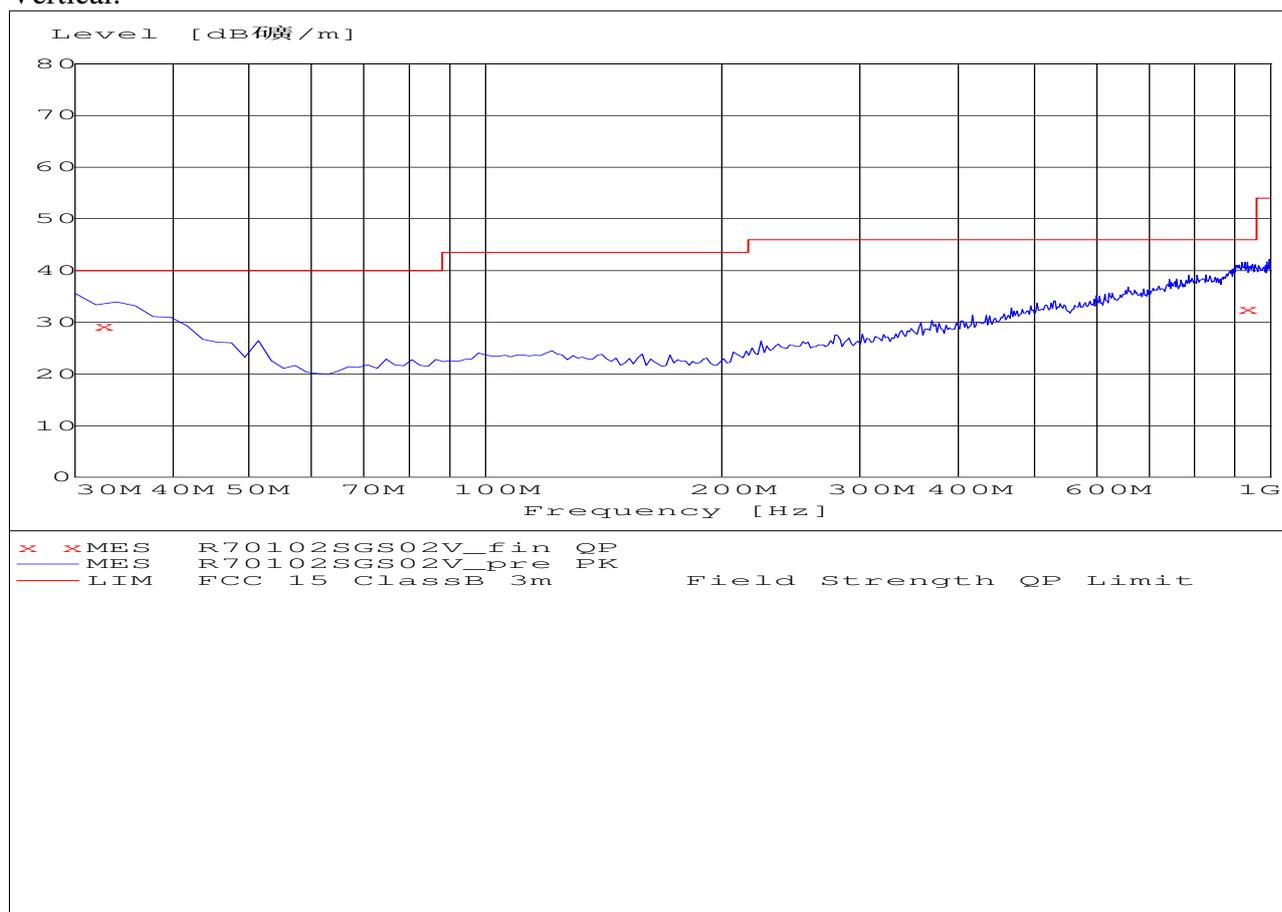
# SGS-CSTC Standards Technical Services Co., Ltd.

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.: SHEMA061200031IT  
Page 16 of 36

## Vertical:



Frequency	Level	Height	Azimuth	Polarisation
MHz	dB $\mu$ V/m	cm	deg	
32.464930	29.22	100.0	180.00	VERTICAL
929.573146	32.55	100.0	90.00	VERTICAL

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

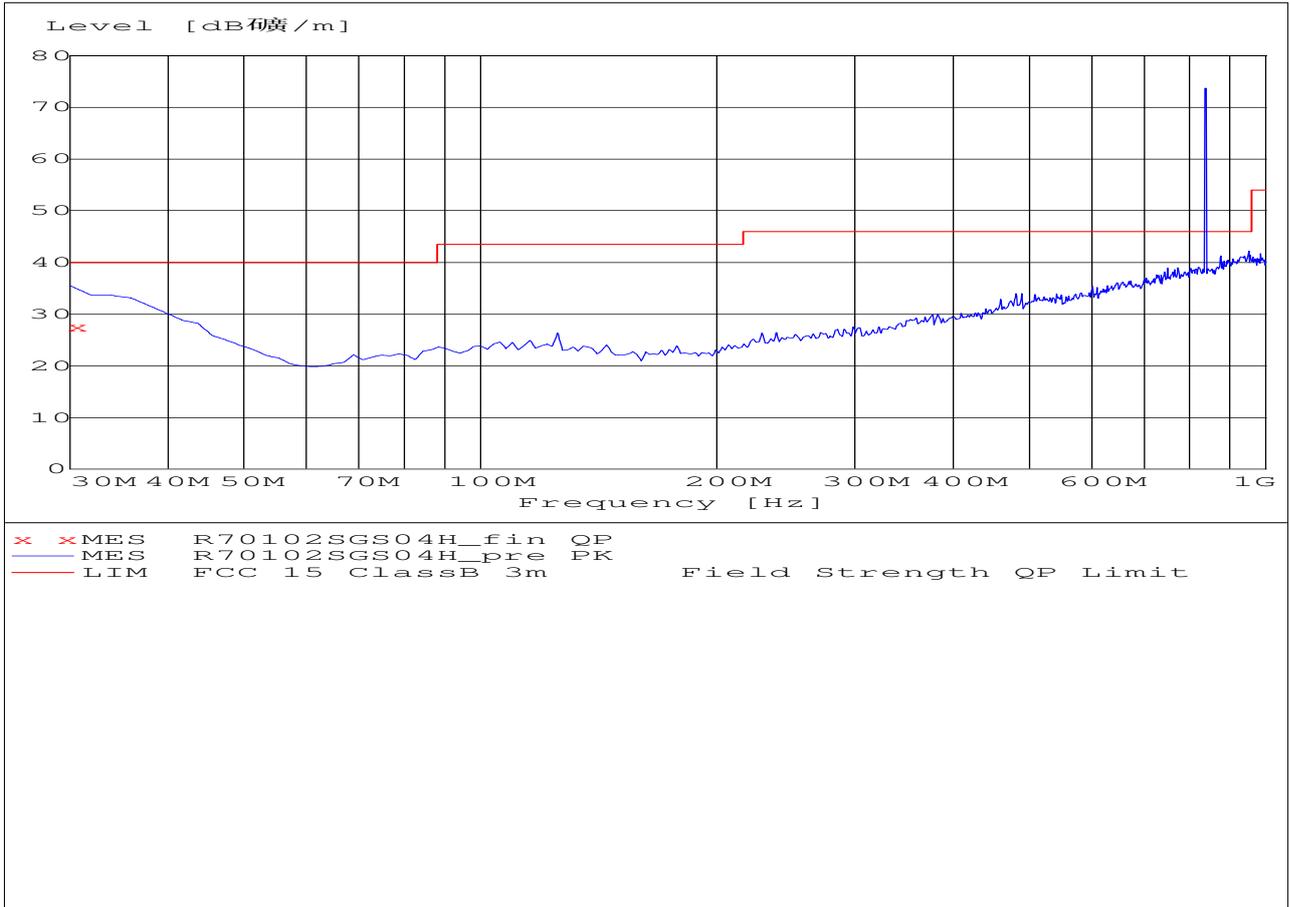
1/F, 7/F, 9/F, 10/F, the 3rd Building No. 889,  
Yishan Road, Xuhui District, Shanghai, China

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

Report No.: SHEMA061200031IT  
Page 17 of 36

GSM850 dedicated: (test with the adapter of power supply 03)

Horizontal:



Frequency	Level	Height	Azimuth	Polarisation
MHz	dBμV/m	cm	deg	
30.440882	27.36	100.0	90.00	HORIZONTAL

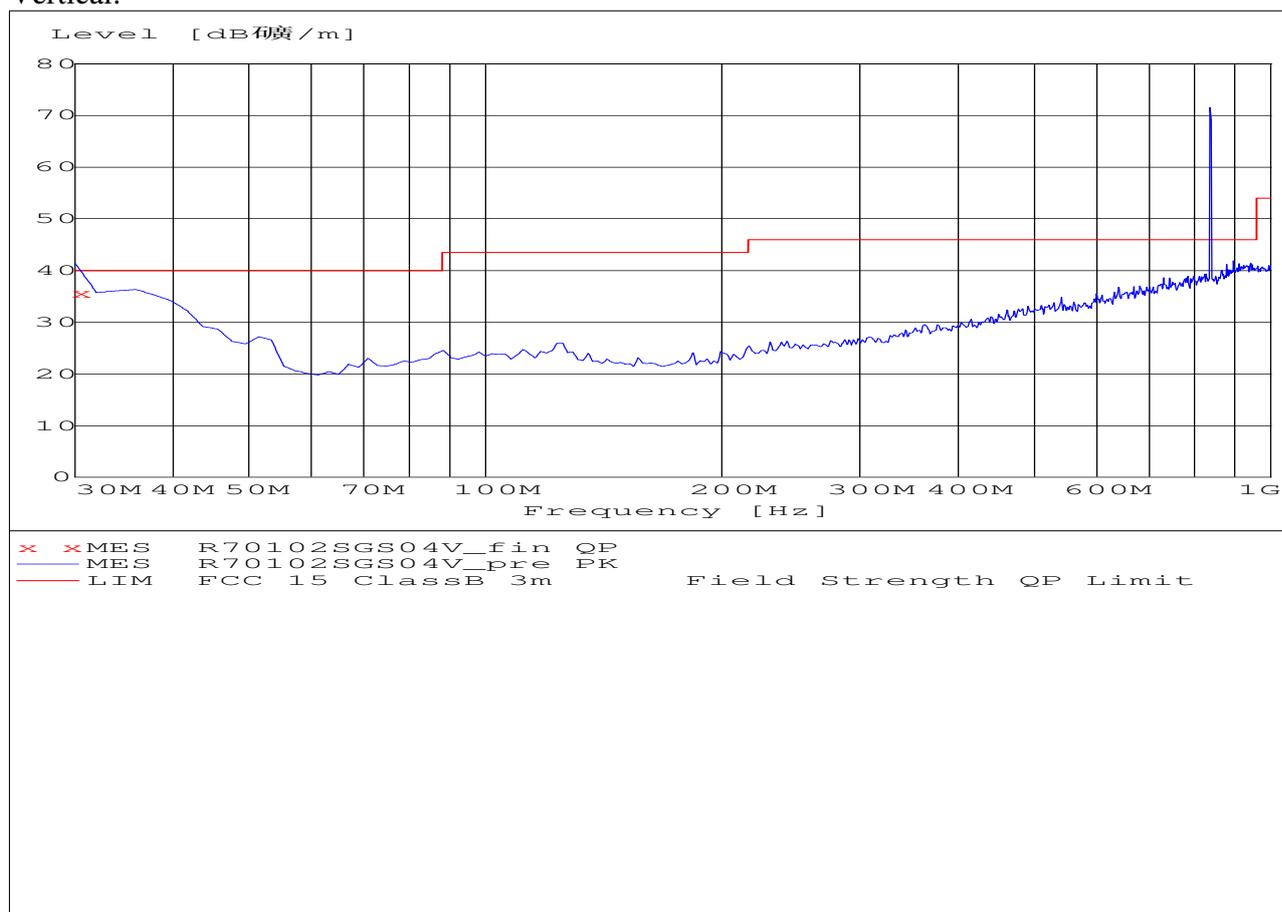
# SGS-CSTC Standards Technical Services Co., Ltd.

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.: SHEMO061200031IT  
Page 18 of 36

## Vertical:



Frequency	Level	Height	Azimuth	Polarisation
MHz	dB $\mu$ V/m	cm	deg	

30.360721	35.62	100.0	270.00	VERTICAL
-----------	-------	-------	--------	----------

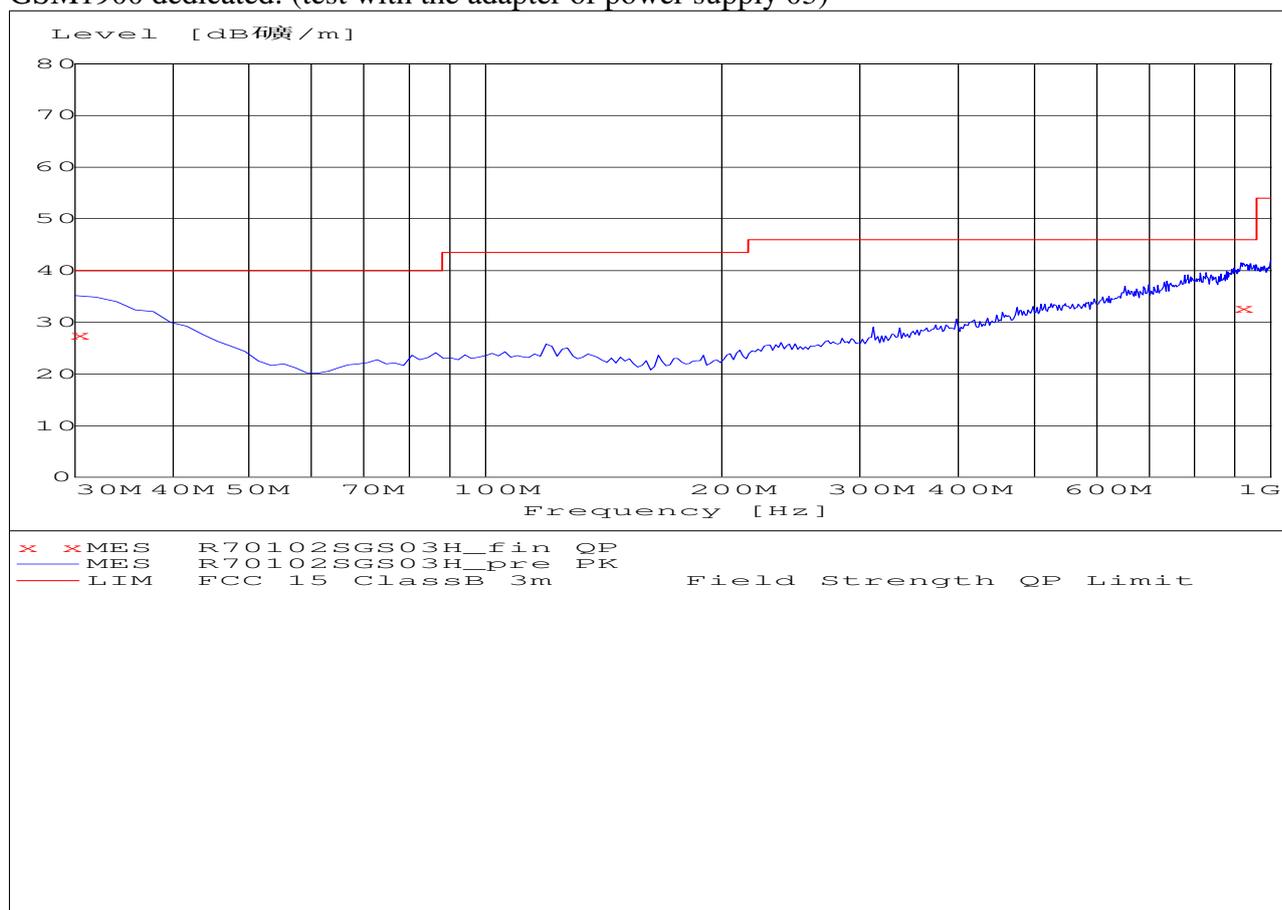
# SGS-CSTC Standards Technical Services Co., Ltd.

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.: SHEMA061200031IT  
Page 19 of 36

## GSM1900 dedicated: (test with the adapter of power supply 03)



Frequency	Level	Height	Azimuth	Polarisation
MHz	dBμV/m	cm	deg	

30.240481	27.47	400.0	90.00	HORIZONTAL
916.412826	32.65	400.0	270.00	HORIZONTAL

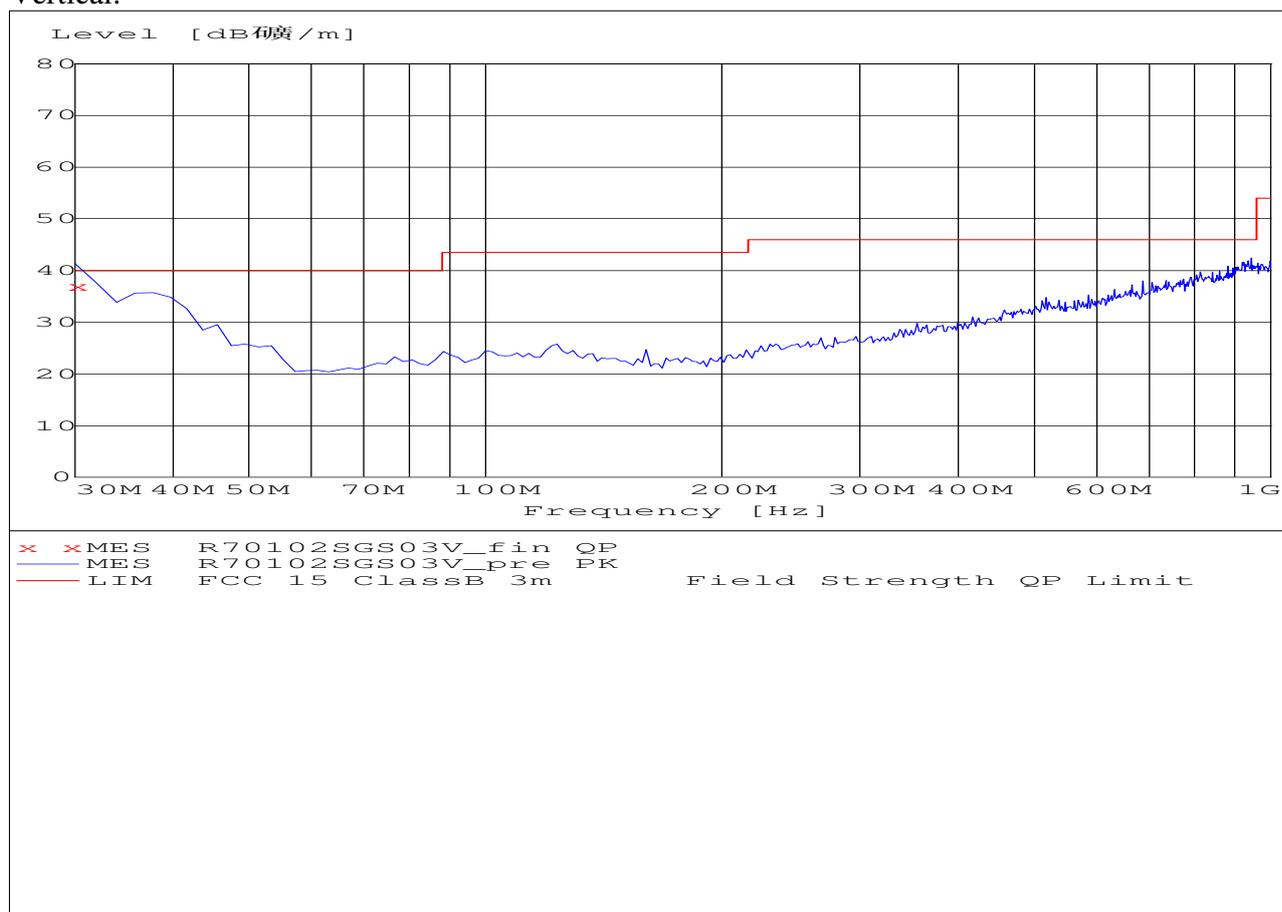
# SGS-CSTC Standards Technical Services Co., Ltd.

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.: SHEMA061200031IT  
Page 20 of 36

Vertical:



Frequency	Level	Height	Azimuth	Polarisation
MHz	dBµV/m	cm	deg	

30.040080	36.98	100.0	90.00	VERTICAL
-----------	-------	-------	-------	----------

## 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.: SHEMA061200031IT  
Page 21 of 36

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

Test Requirement:	CFR 47 part 15
Test Method:	ANSI C63.4
Test Date:	January 9, 2007
Frequency Range:	150kHz to 30MHz
Class:	N/A
Limit:	66 dB $\mu$ V - 56 dB $\mu$ V between 150kHz & 500kHz Quasi-peak 56 dB $\mu$ V between 0.5MHz & 5MHz Quasi-peak 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:

EUT Operation: EUT allocated channel mode GSM850&PCS 1900 with charger and earphone

#### 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.

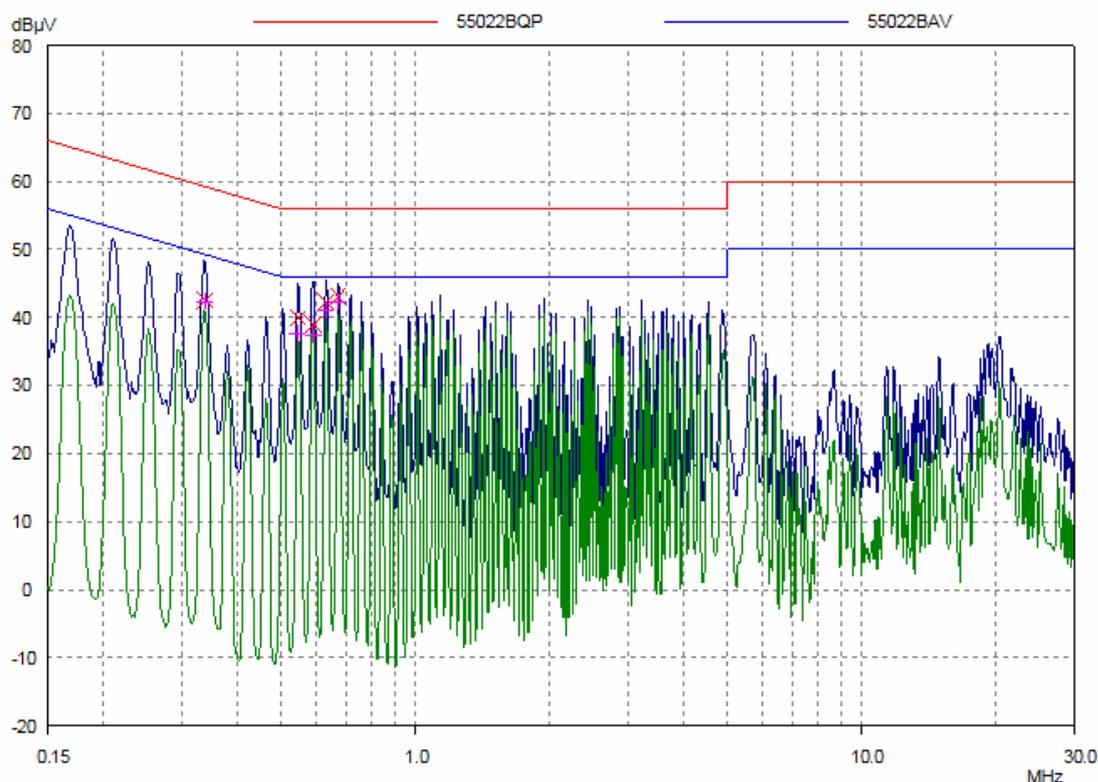
# SGS-CSTC Standards Technical Services Co., Ltd.

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.: SHEMA061200031IT  
Page 22 of 36

GSM 850 dedicated, charging with adaptor 01 and earphone  
L Line:



### Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.33811	42.50	59.25	16.75
0.54537	39.93	56.00	16.07
0.59061	39.02	56.00	16.98
0.62948	42.22	56.00	13.78
0.67092	43.11	56.00	12.89

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.33811	42.22	49.25	7.03
0.54537	37.66	46.00	8.34
0.59061	37.49	46.00	8.51
0.62948	41.08	46.00	4.92
0.67092	42.27	46.00	3.73

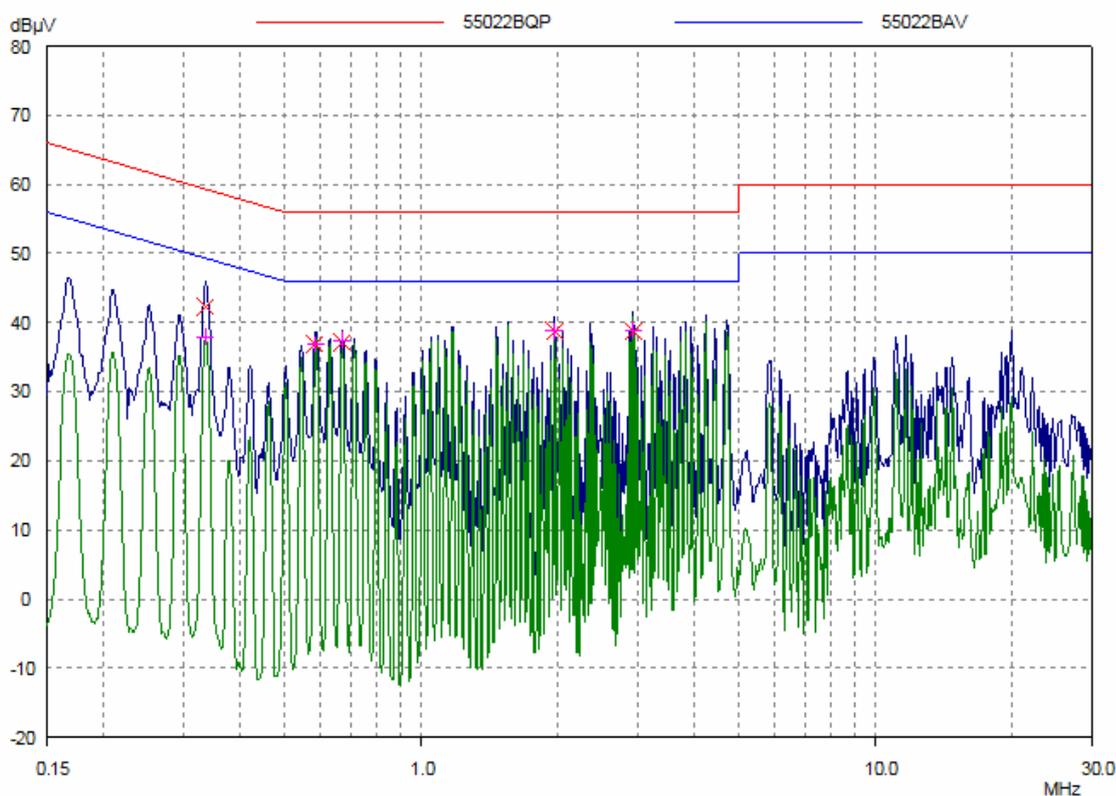
# SGS-CSTC Standards Technical Services Co., Ltd.

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.: SHEMA061200031IT  
Page 23 of 36

N line:



### Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.33543	42.18	59.32	17.14
0.58592	36.86	56.00	19.14
0.67092	37.15	56.00	18.85
1.96717	38.79	56.00	17.21
2.93001	38.69	56.00	17.31

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.33543	37.88	49.32	11.44
0.58592	36.86	46.00	9.14
0.67092	37.33	46.00	8.67
1.96717	38.75	46.00	7.25
2.93001	38.87	46.00	7.13

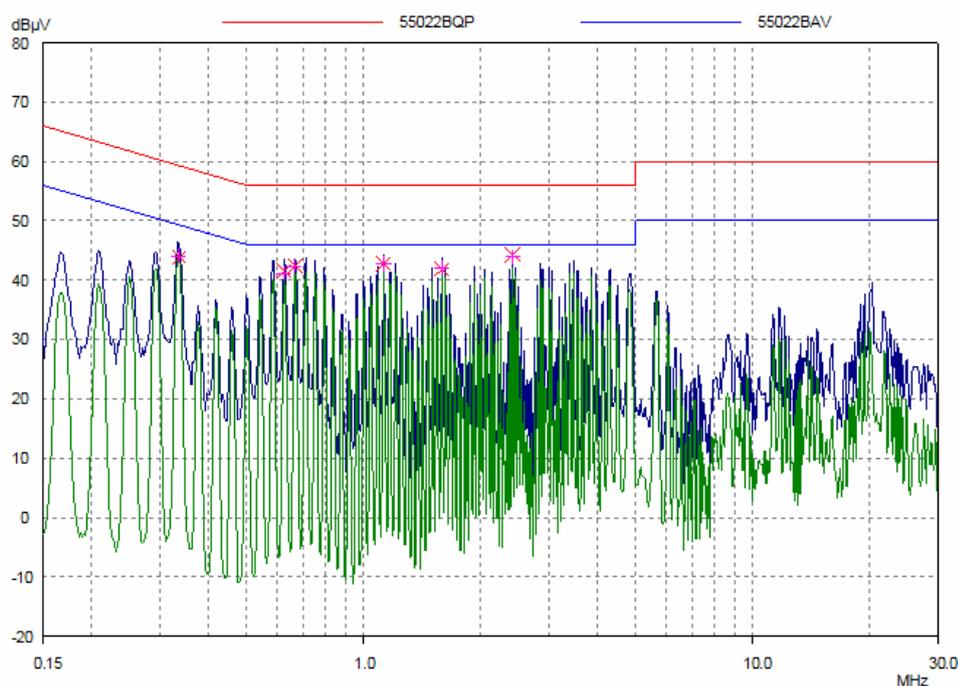
# SGS-CSTC Standards Technical Services Co., Ltd.

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.: SHEMA061200031IT  
Page 24 of 36

PCS1900 dedicated, charging with adaptor 01 and earphone  
L Line:



### Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.33543	43.83	59.32	15.49
0.62449	41.49	56.00	14.51
0.66559	42.35	56.00	13.65
1.12617	42.78	56.00	13.22
1.58638	41.81	56.00	14.19
2.42	44.26	56.00	11.74

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.33543	43.96	49.32	5.36
0.62449	41.13	46.00	4.87
0.66559	42.21	46.00	3.79
1.12617	42.63	46.00	3.37
1.58638	42.05	46.00	3.95
2.42	43.89	46.00	2.11

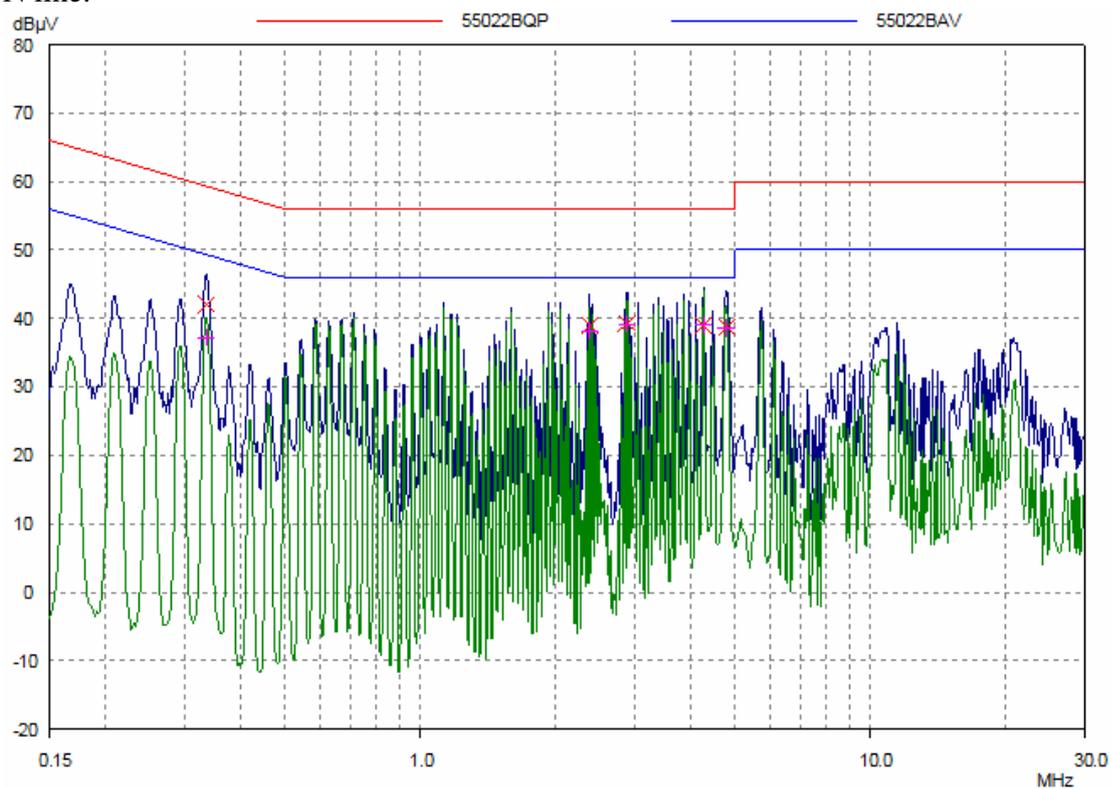
# SGS-CSTC Standards Technical Services Co., Ltd.

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.: SHEMA061200031IT  
Page 25 of 36

N line:



### Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.33543	41.96	59.32	17.36
2.38174	39.01	56.00	16.99
2.88369	39.30	56.00	16.70
4.26103	38.98	56.00	17.02
4.802	38.65	56.00	17.35

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.33543	37.14	49.32	12.18
2.38174	38.13	46.00	7.87
2.88369	39.14	46.00	6.86
4.26103	38.90	46.00	7.10
4.802	38.54	46.00	7.46

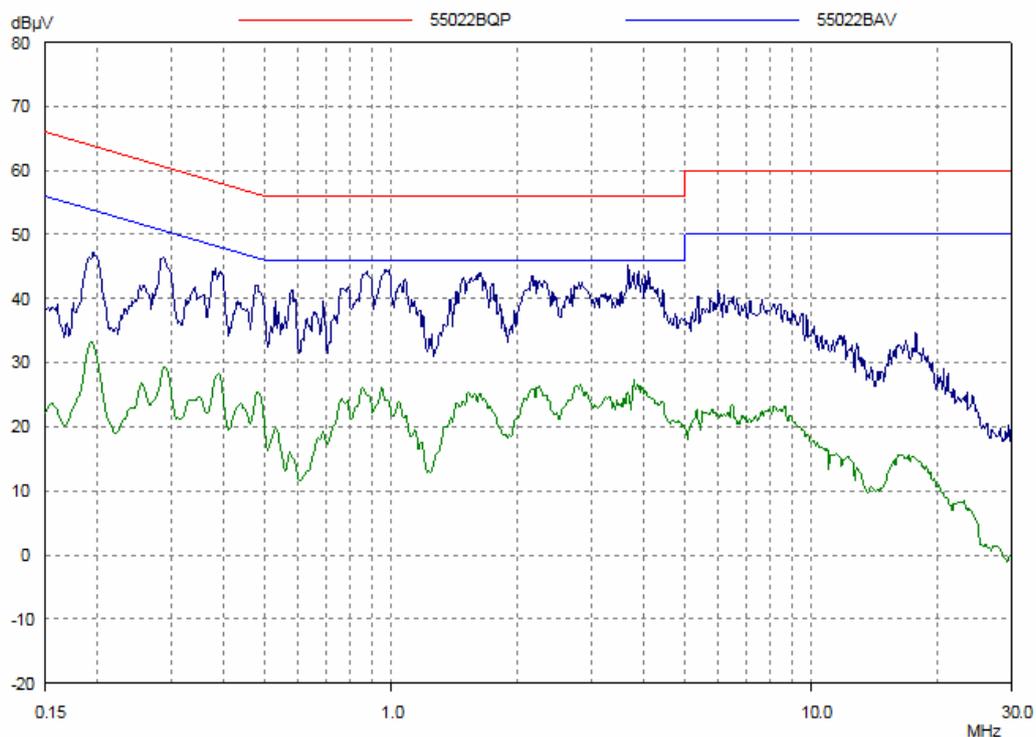
# SGS-CSTC Standards Technical Services Co., Ltd.

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

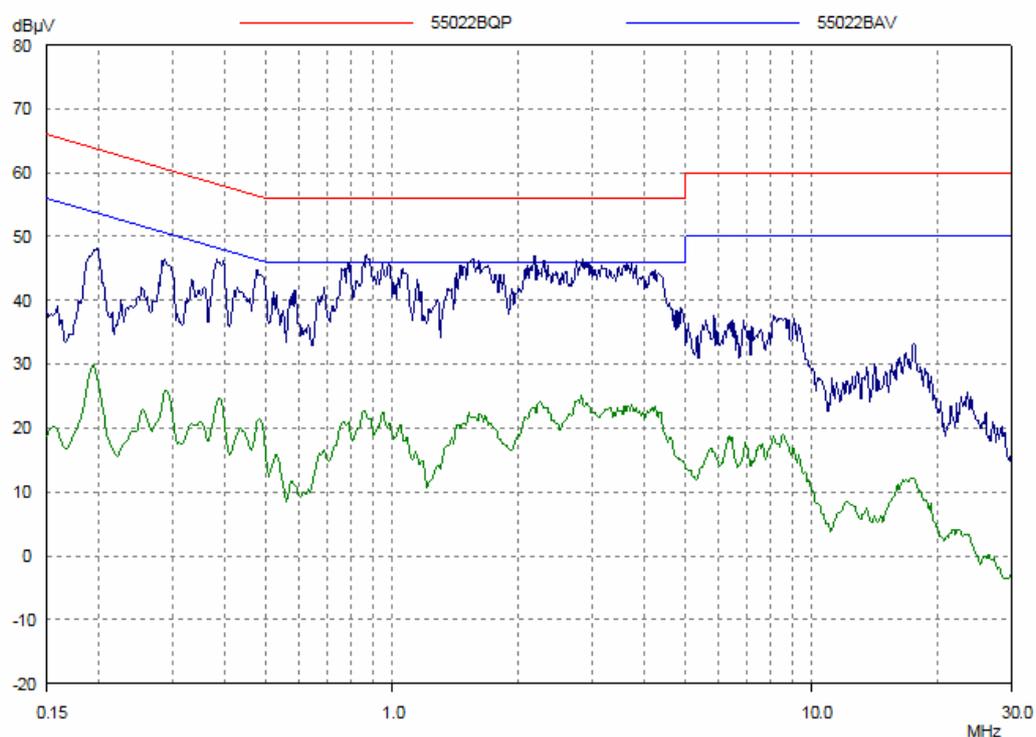
Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

Report No.: SHEMA061200031IT  
Page 26 of 36

GSM 850 dedicated, charging with adaptor 02 and earphone  
L Line:



N line:



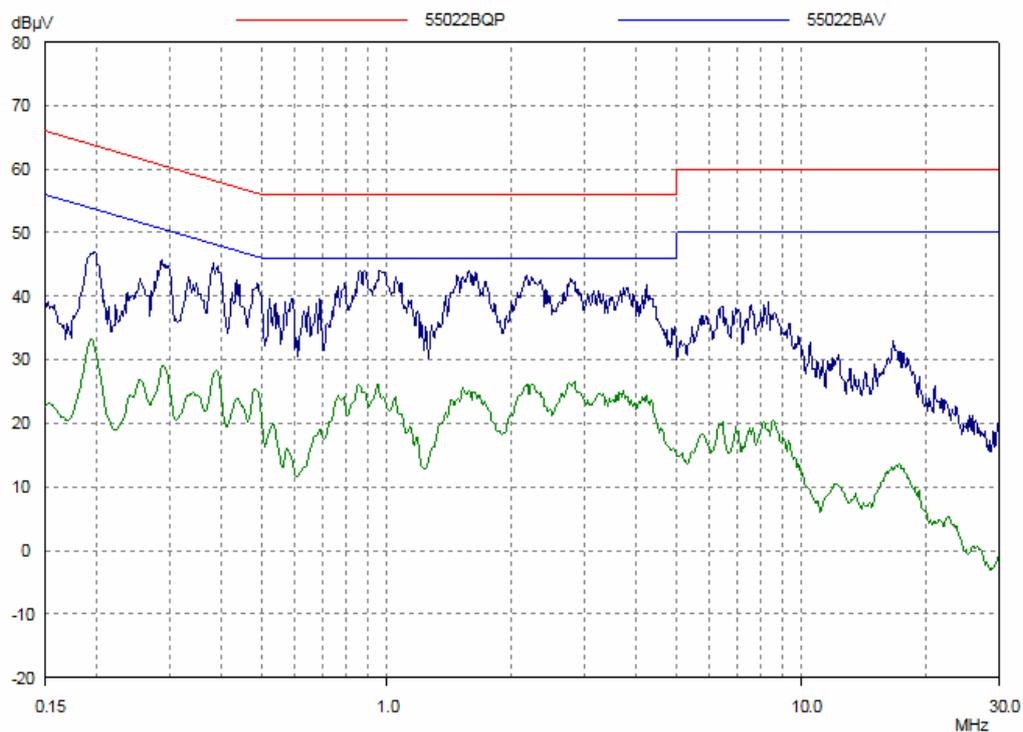
# SGS-CSTC Standards Technical Services Co., Ltd.

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

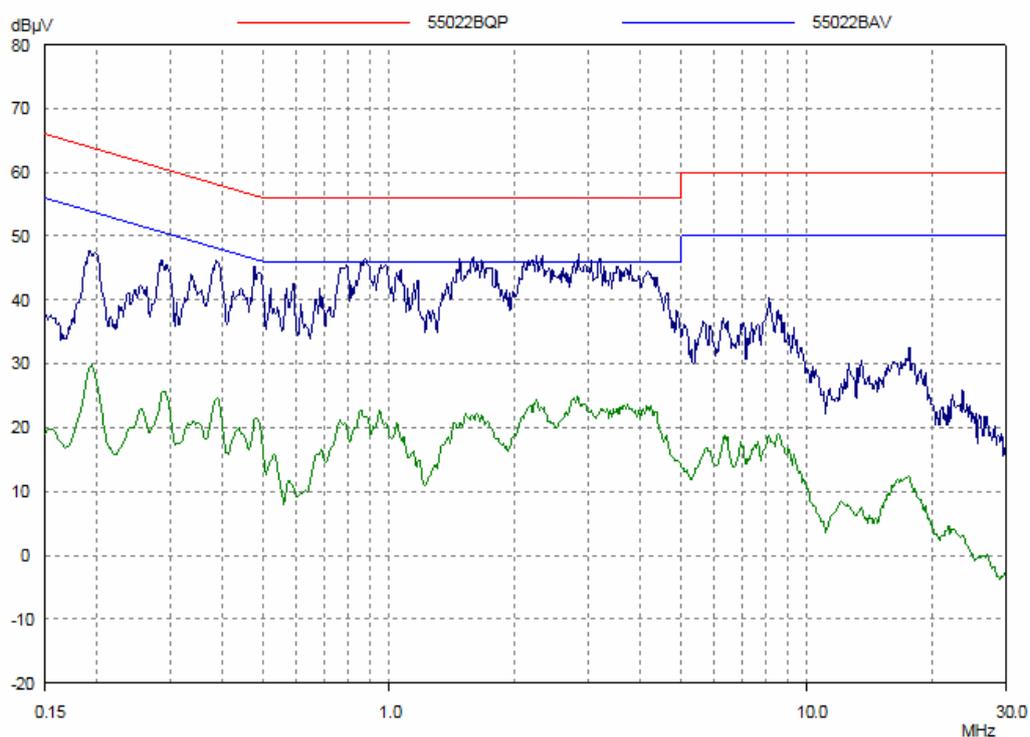
Telephone: +86 (0) 21 6495 1616  
Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

Report No.: SHEMA061200031IT  
Page 27 of 36

Pcs1900 dedicated, charging with adaptor 02 and earphone  
L Line:



N Line:



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

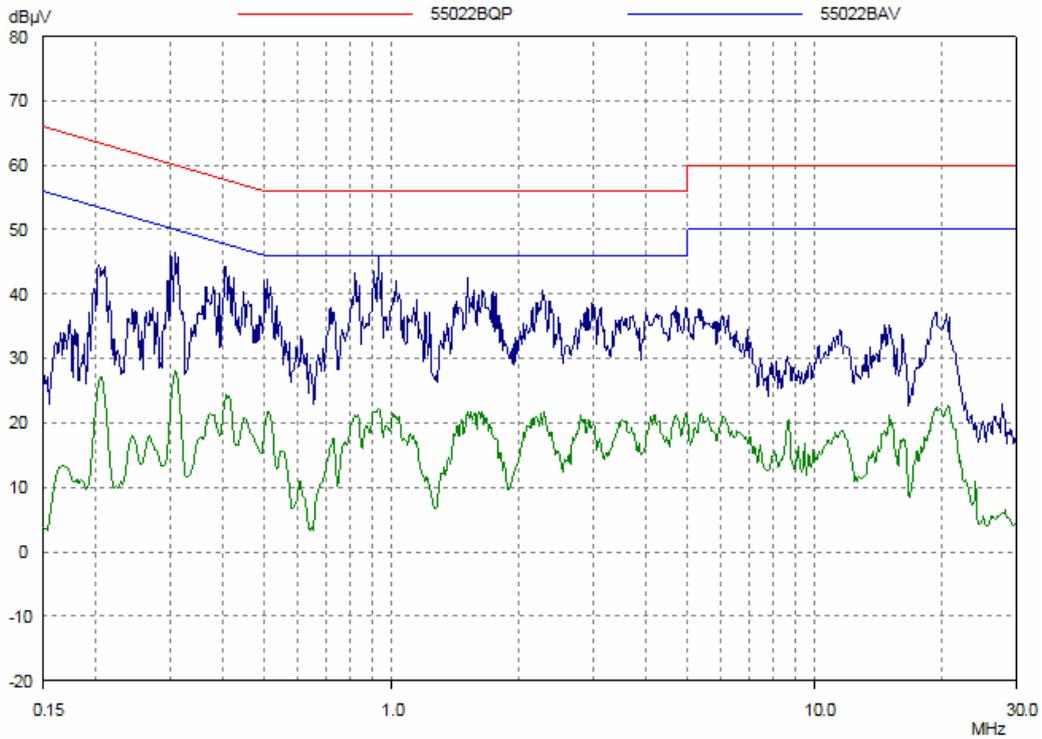
1/F, 7/F, 9/F, 10/F, the 3rd Building No. 889,  
Yishan Road, Xuhui District, Shanghai, China

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

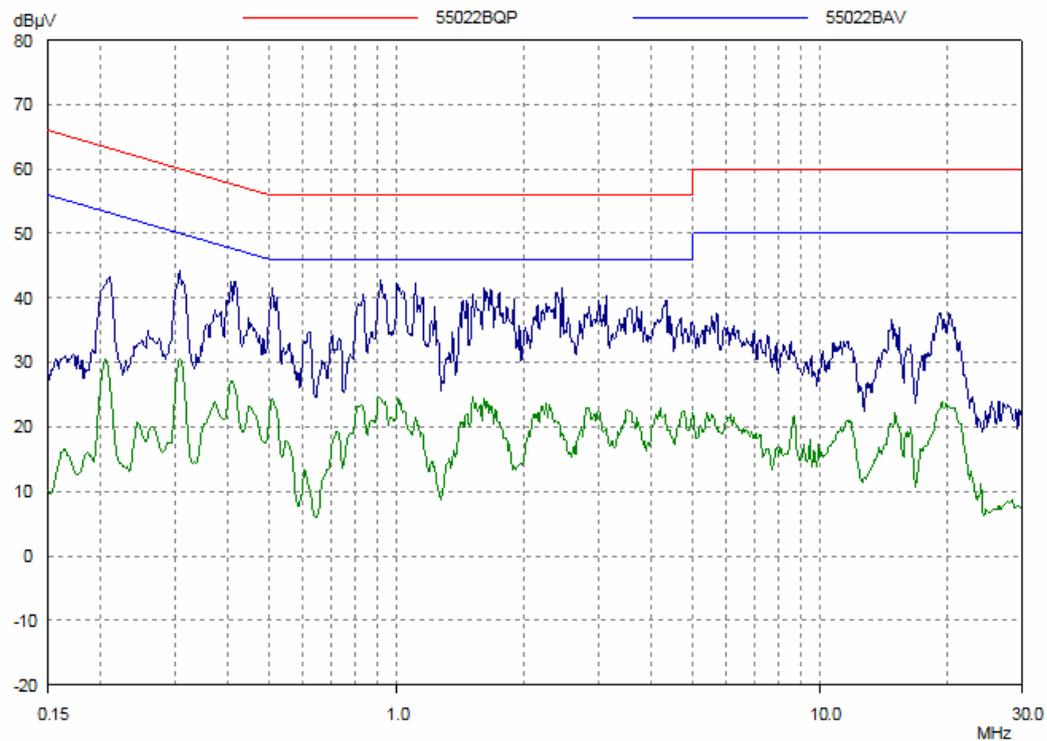
Report No.: SHEMA061200031IT  
Page 28 of 36

GSM 850 dedicated, charging with adaptor 03 and earphone

L Line:



N line:



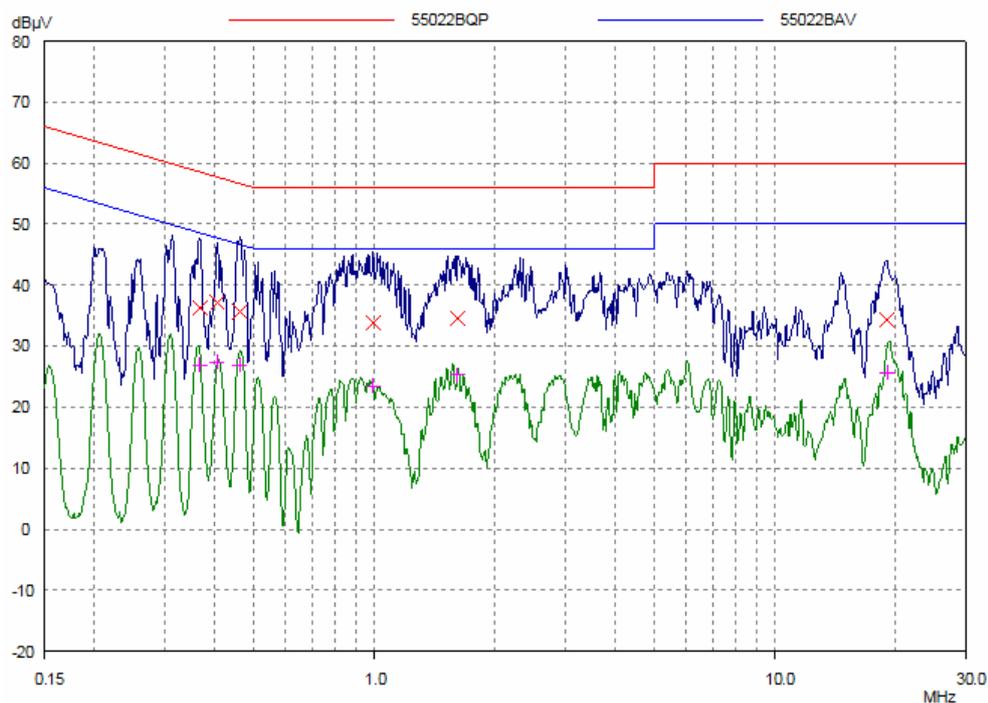
# SGS-CSTC Standards Technical Services Co., Ltd.

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.: SHEMA061200031IT  
Page 29 of 36

PCS1900 dedicated, charging with adaptor 03 and earphone  
L Line:



## Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.36615	36.21	58.59	22.38
0.40612	37.20	57.73	20.53
0.46134	35.63	56.67	21.04
0.99137	33.81	56.00	22.19
1.61186	34.54	56.00	21.46
19.05876	34.30	60.00	25.70

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.36615	26.83	48.59	21.76
0.40612	27.36	47.73	20.37
0.46134	26.76	46.67	19.91
0.99137	23.47	46.00	22.53
1.61186	25.21	46.00	20.79
19.05876	25.62	50.00	24.38

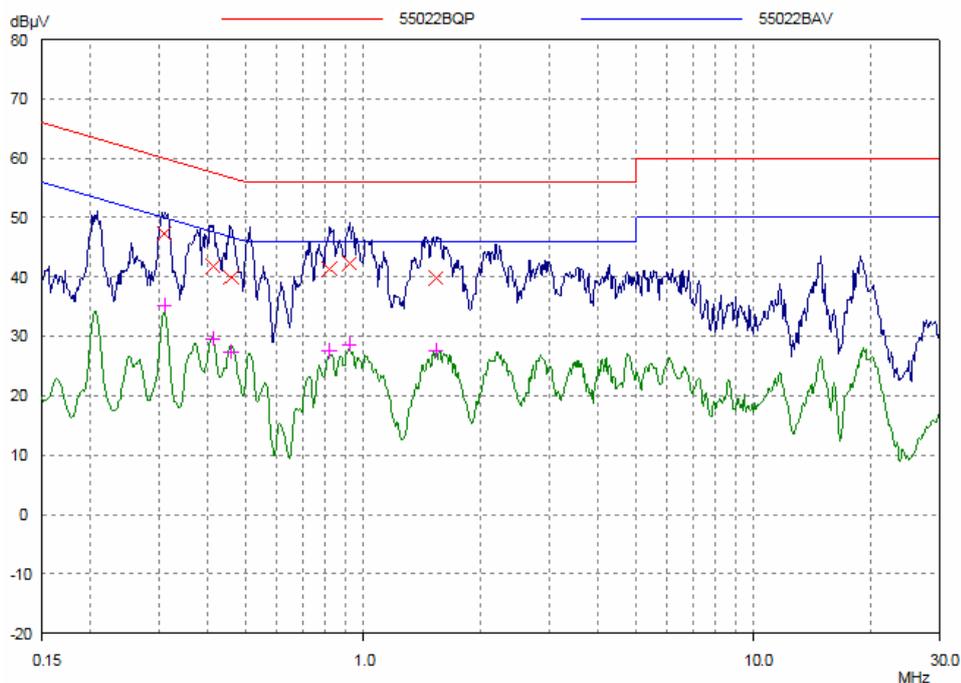
# SGS-CSTC Standards Technical Services Co., Ltd.

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.: SHEMA061200031IT  
Page 30 of 36

N line:



## Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.30974	47.28	59.98	12.70
0.41264	41.70	57.59	15.89
0.45768	39.95	56.73	16.78
0.81881	41.35	56.00	14.65
0.92276	42.31	56.00	13.69
1.53662	39.83	56.00	16.17

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.30974	35.20	49.98	14.78
0.41264	29.56	47.59	18.03
0.45768	27.42	46.73	19.31
0.81881	27.49	46.00	18.51
0.92276	28.61	46.00	17.39
1.53662	27.66	46.00	18.34

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

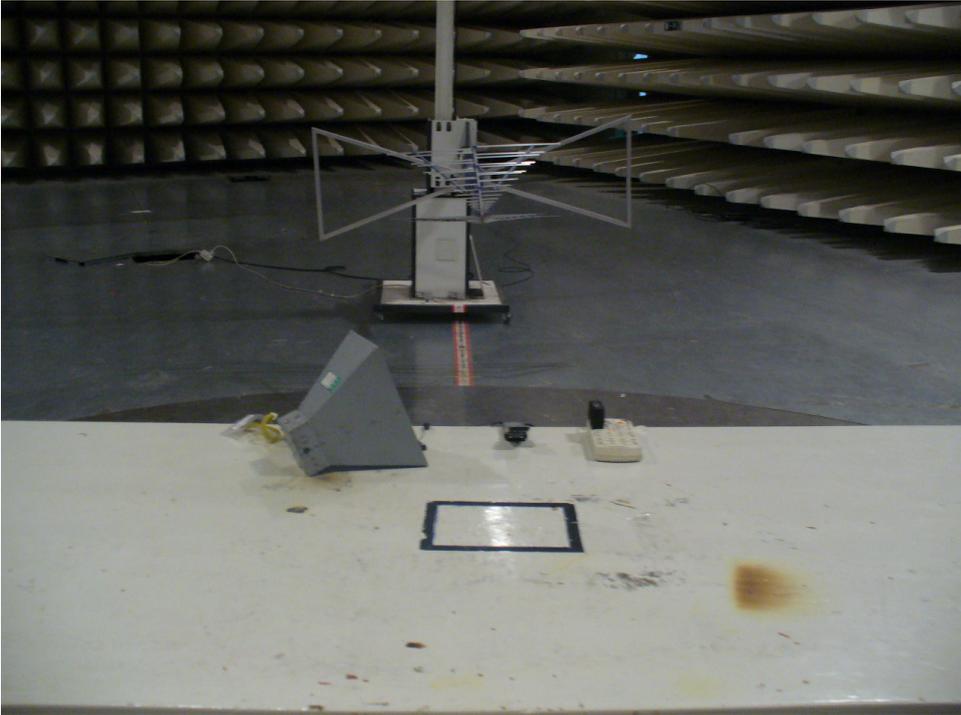
1/F, 7/F, 9/F, 10/F, the 3rd Building No. 889,  
Yishan Road, Xuhui District, Shanghai, China

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

Report No.: SHEMA061200031IT  
Page 31 of 36

**7 Photographs**

**7.1 Radiated Emission Test Setup**



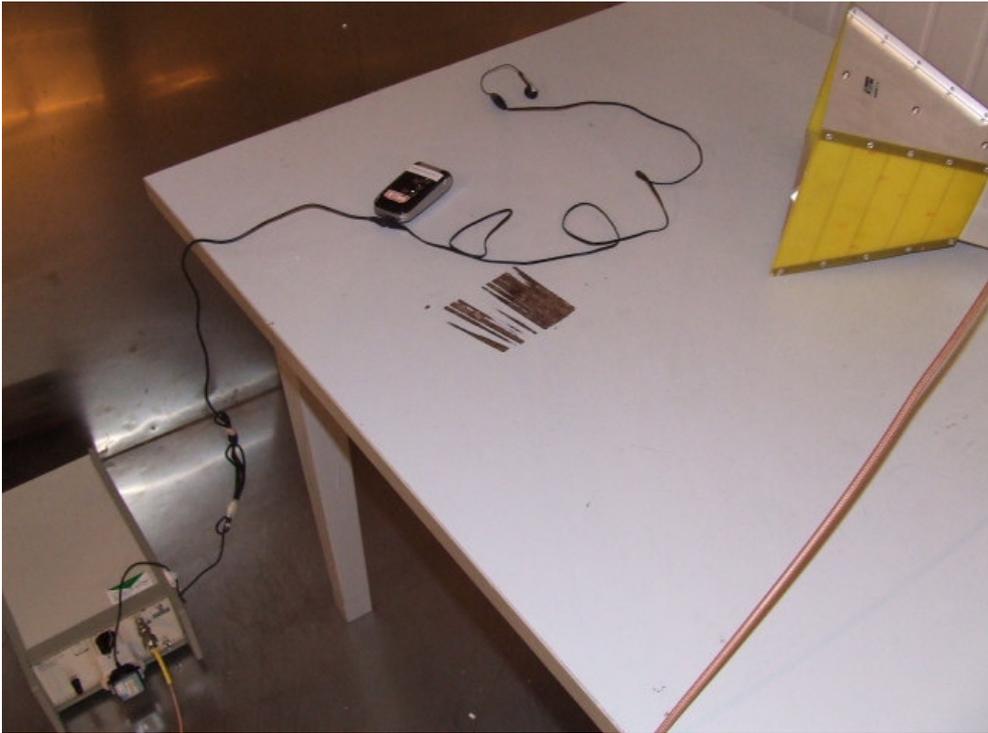
# SGS-CSTC Standards Technical Services Co., Ltd.

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.: SHEMA061200031IT  
Page 32 of 36

## 7.2 Conducted Emission Test Setup



## 7.3 EUT Constructional Details



**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.: SHEMA061200031IT  
Page 33 of 36



# 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.: SHEMA061200031IT  
Page 34 of 36



**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.: SHEMA061200031IT  
Page 35 of 36

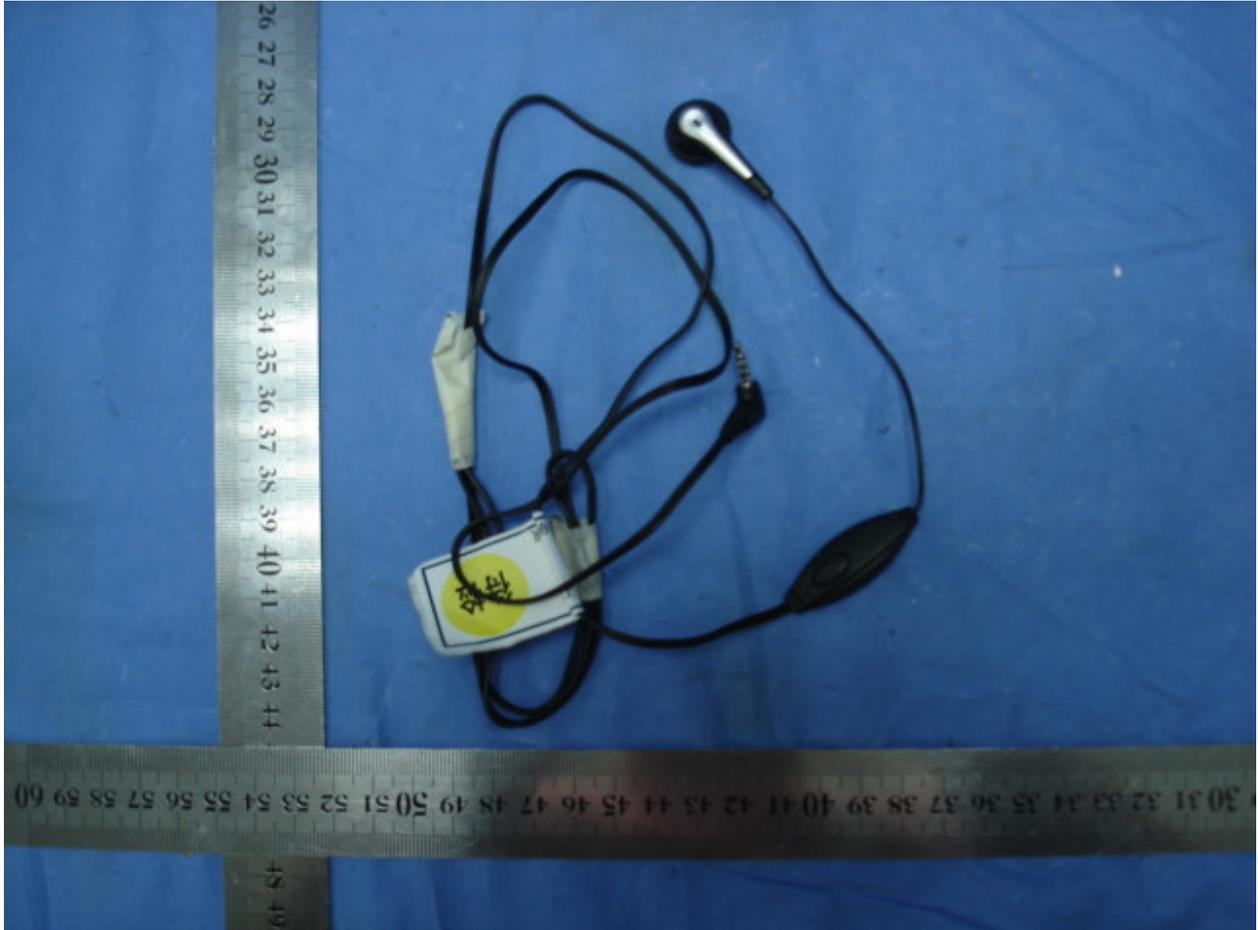


**SGS-CSTC Standards  
Technical Services Co., Ltd.**

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.: SHEMA061200031IT  
Page 36 of 36



**THE END OF REPORT**