

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

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 1 of 52

EMC TEST REPORT

Application No.: SHEMO080400013TL

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 Name: U81CA

Market Name: OT-S210A

Standards: CFR 47 part 2: 2004,
CFR 47 Part 15: 2005,
ANSI C63.4: 2003

Date of Receipt: April 18, 2008

Date of Test: April 18, 2008 to April 23, 2008

Date of Issue: April 24, 2008

Test Result :	PASS*
----------------------	--------------

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



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



Benson Shen
E&E EMC 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, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 2 of 52

2 Test Summary

Test	Test Requirement	Test Method	Class / Severity	Result
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, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 3 of 52

3 Contents

	Page
1 COVER PAGE.....	1
2 TEST SUMMARY.....	2
3 CONTENTS.....	3
4 GENERAL INFORMATION.....	4
4.1 CLIENT INFORMATION.....	4
4.2 GENERAL DESCRIPTION OF E.U.T.	4
4.3 DESCRIPTION OF SUPPORT UNITS	4
4.4 STANDARDS APPLICABLE FOR TESTING	5
4.5 TEST LOCATION.....	6
4.6 TEST CONFIDENT LEVEL.....	6
4.7 ABNORMALITIES FROM STANDARD CONDITIONS.....	6
5 EQUIPMENT USED DURING TEST.....	7
6 EMISSION TEST RESULTS.....	8
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>	9
6.2 CONDUCTED EMISSIONS, 150KHZ TO 30MHZ.....	30
6.2.1 <i>E.U.T. Operation</i>	30
6.2.2 <i>Test Result and Partial Measurement Data</i>	30
7 EQUIPMENT UNDER TEST PICTURES.....	48
7.1.1 <i>Radiated Emission Test Setup</i>	48
7.1.2 <i>Conductet Emission Test Setup</i>	49
7.1.3 <i>EUT Constructional Details</i>	50

SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 4 of 52

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.: U81CA
Marketing Name: OT-S210A
Frequency Bands: GSM850/PCS1900
Power Supply1: AC to DC charger (Model No.: T50002684AGAA Input: AC 100V-240V~, 50/60Hz 150mA Output:DC 5.0V, 500mA)
Manufactures: Tenpao
Power Supply1: AC to DC charger (Model No.: T50002684AGAB Input: AC 100V-240V~, 50/60Hz 150mA Output:DC 5.0V, 500mA)
Manufactures: SCUD
Power cord: 2m
Battery1: DC 3.7V / 670mAh
P/N: CAB2001010C1
Manufacturers: BYD
Battery2: DC 3.7V / 670mAh
P/N: CAB2001010C2
Manufacturers: Coslight
Earphone: Model No.: CCA3010000E0

4.3 Description of Support Units

The EUT has been tested as an independent unit.

SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 5 of 52

4.4 Standards Applicable for Testing

CFR 47 part 2: 2004, CFR 47 Part 15: 2005, ANSI C63.4: 2003

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

SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 6 of 52

4.5 Test Location

The tests of Radiated Emissions was performed at:

SIMT EMC Laboratory, 1/F, Building No.1, 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

4.6 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 dates: 2008-01-01 through 2009-12-31.

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 19, 2004. Valid until May 18, 2007

CNAL – LAB Code: L0134

SIMT EMC Laboratory has been assessed and in compliance with CNAL/AC01:2005 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:2005 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. Effective dates: November 30, 2005 through November 30, 2008. With the above and NVLAP, SIMT is an authorized test laboratory for the DoC process.

4.7 Abnormalities from Standard Conditions

None.

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

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 7 of 52

5 Equipment Used during Test

RE in SAC		ETSI EN 301 489-1: EN 55022				
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due date
1	HORN ANTENNA	R&S	HF 906	100023	2007-06-17	2008-06-16
2	BROADBAND ANTENNA	R&S	HL 562	100019	2007-06-17	2008-06-16
3	EMI TEST RECEIVER	R&S	ESI 26	838786/011	2008-03-06	2009-03-05
4	UNIVERSAL RADIO COMMUNICATION TESTER	R&S	CMU 200	100536	2008-01-25	2009-01-24

Conducted Emission		ETSI EN 301 489-1: EN 55022				
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal.Due date
1	EMI test receiver	Rohde & Schwarz	ESCS30	100086	2007-6-29	2008-6-28
2	Line impedance stabilization network	ETS	3816/2	00034161	2007-6-29	2008-6-28

General Equipment

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal.Due date
1	Temperature, Humidity & Barometer	Oregon Scientific	BA-888	EMC0001 to EMC0004	2007-07-25	2008-07-24
2	DMM	Fluke	73	70681569 or 70671122	2007-07-23	2008-07-22

SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 8 of 52

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:	April 18, 2008 to April 22, 2008
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: 1012 mbar

EUT Operation: EUT allocated with adaptor in GSM850/PCS1900.

Note: We have performed all status and we just choose the worse case in this report,

1. we tested 15B emissions with power on EUT.

2. we tested 15B related emissions when carrier turn on.

** Please note that: this is Pt.22/24 Tx device, not Pt.15C Tx device.

The carrier and related emissions test data is in Pt.22/24, we test carrier on emission for your reference.

3. we tested 15B emissions as a receiver when carrier turn off.

And we have found there is no additional emission happens in condition1 & condition2, so we have the condition 1 test result as the worst data shown in the report.

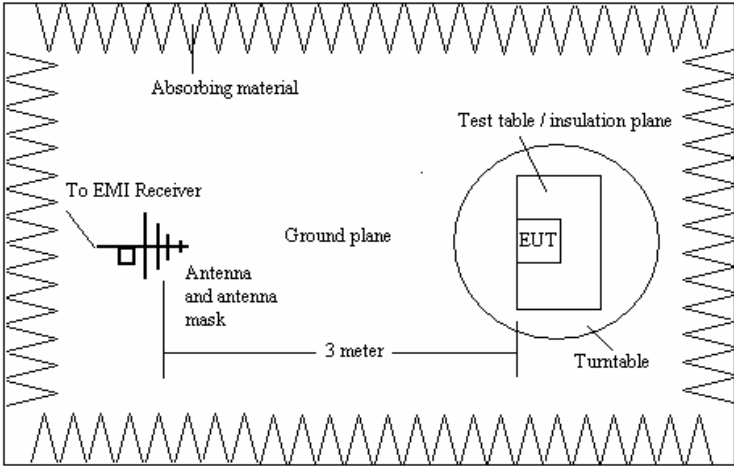
**SGS-CSTC Standards
Technical Services Co., Ltd.**

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 9 of 52

6.1.2 Test setup:



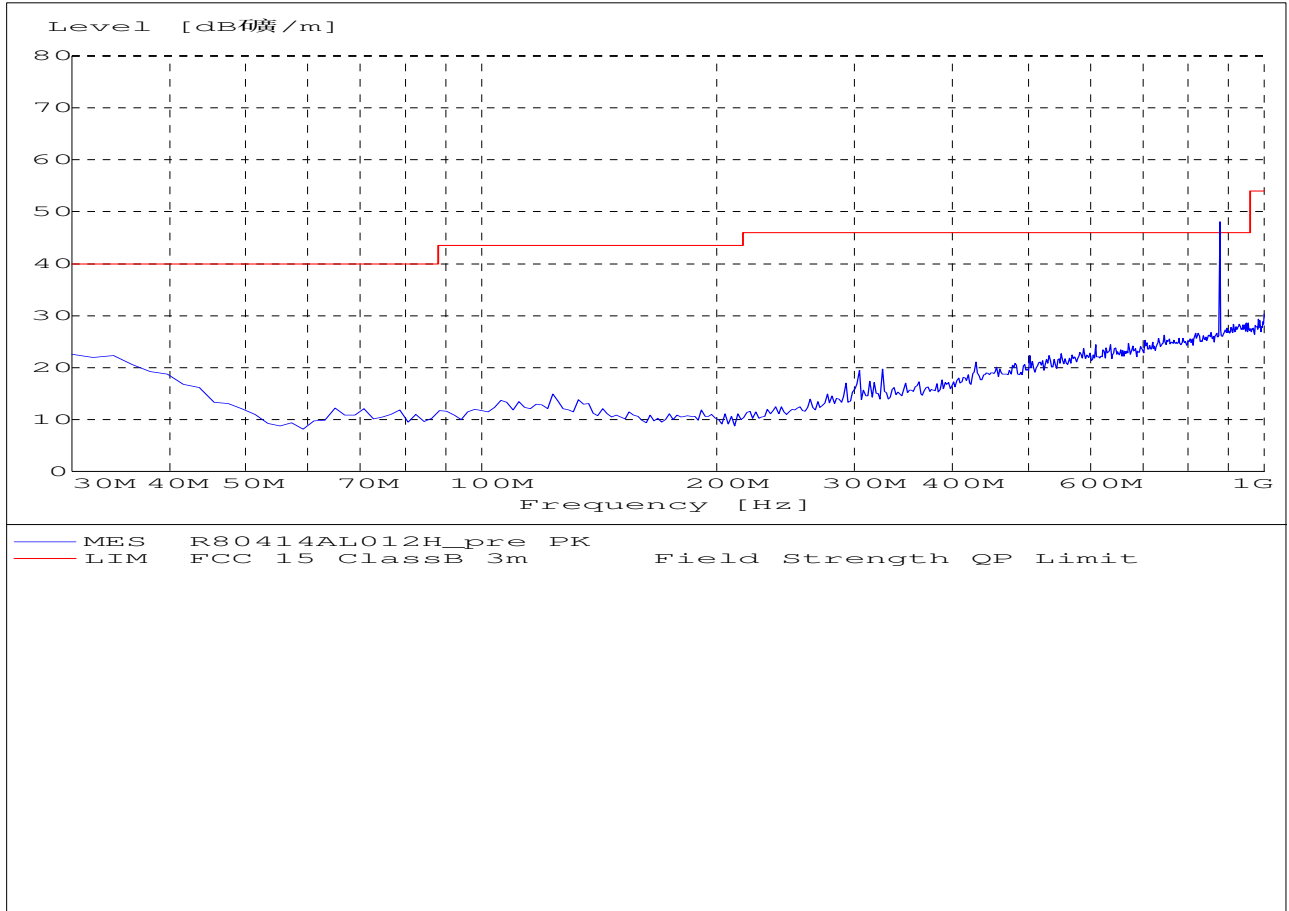
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 10 of 52

GSM 850 idle mode: (connected with T50002684AGAA power adapter of Tenpao)
Horizontal:



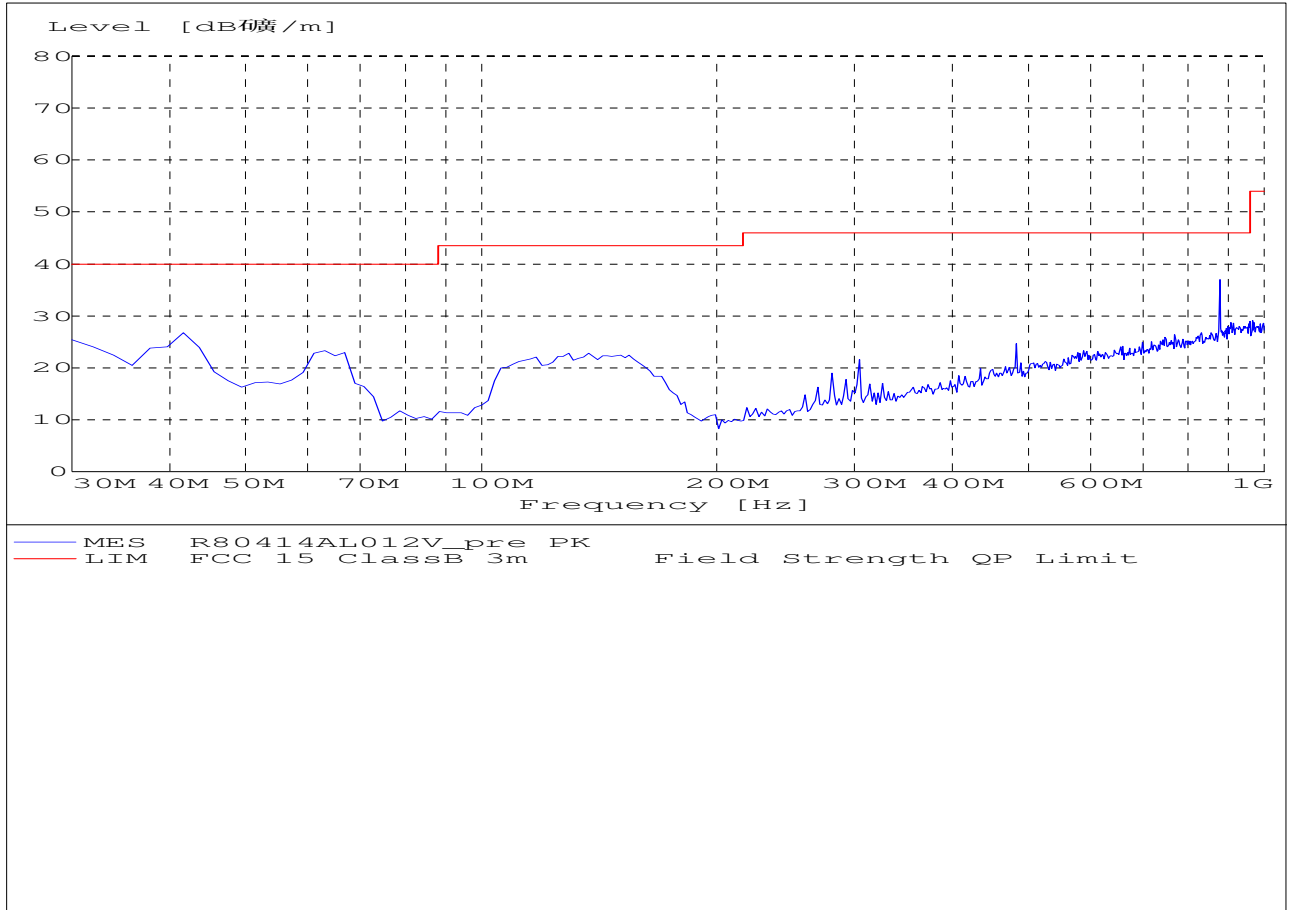
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 11 of 52

Vertical:



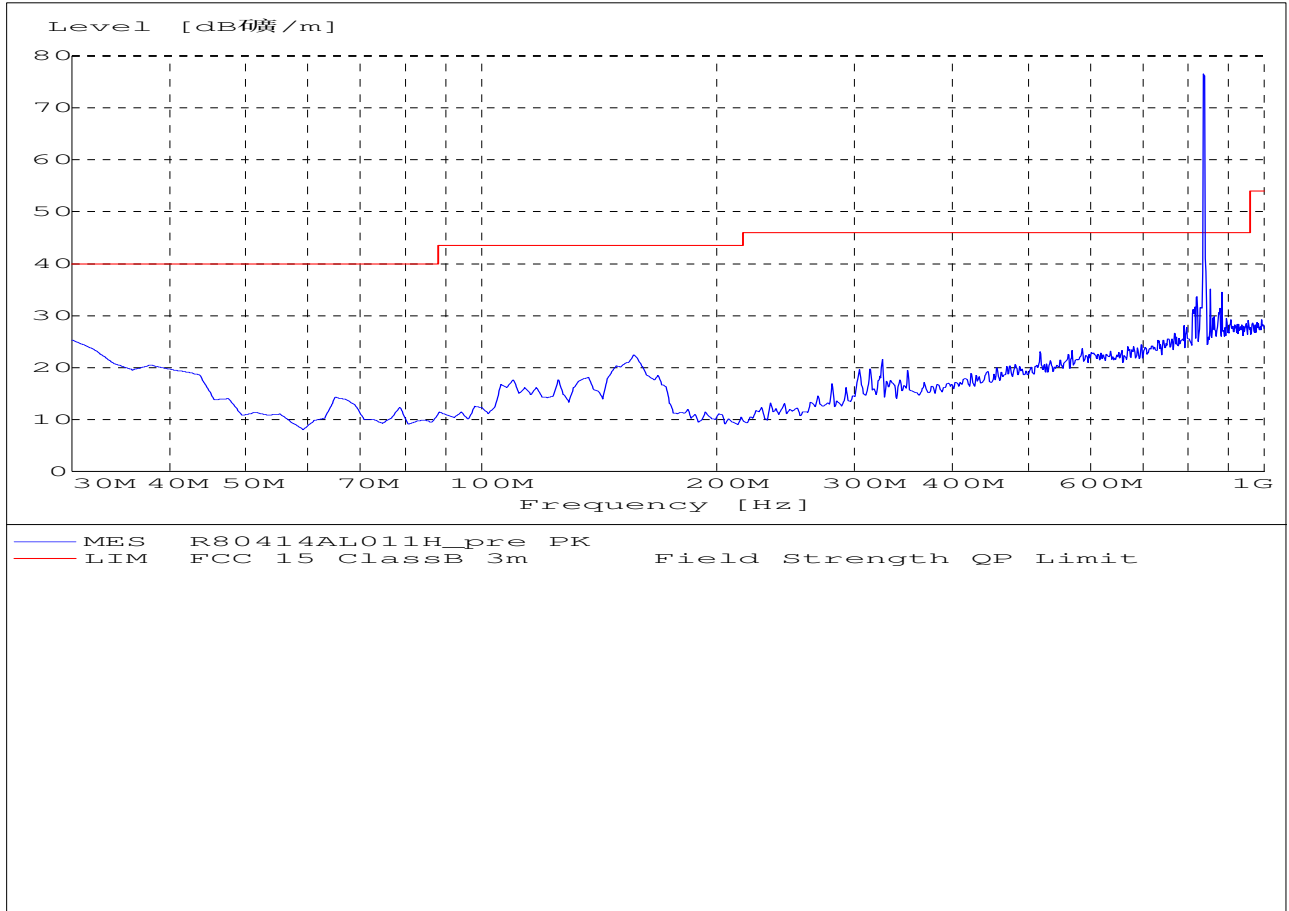
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 12 of 52

GSM 850 communication mode: (connected with T50002684AGAA power adapter of Tenpao)
Horizontal:



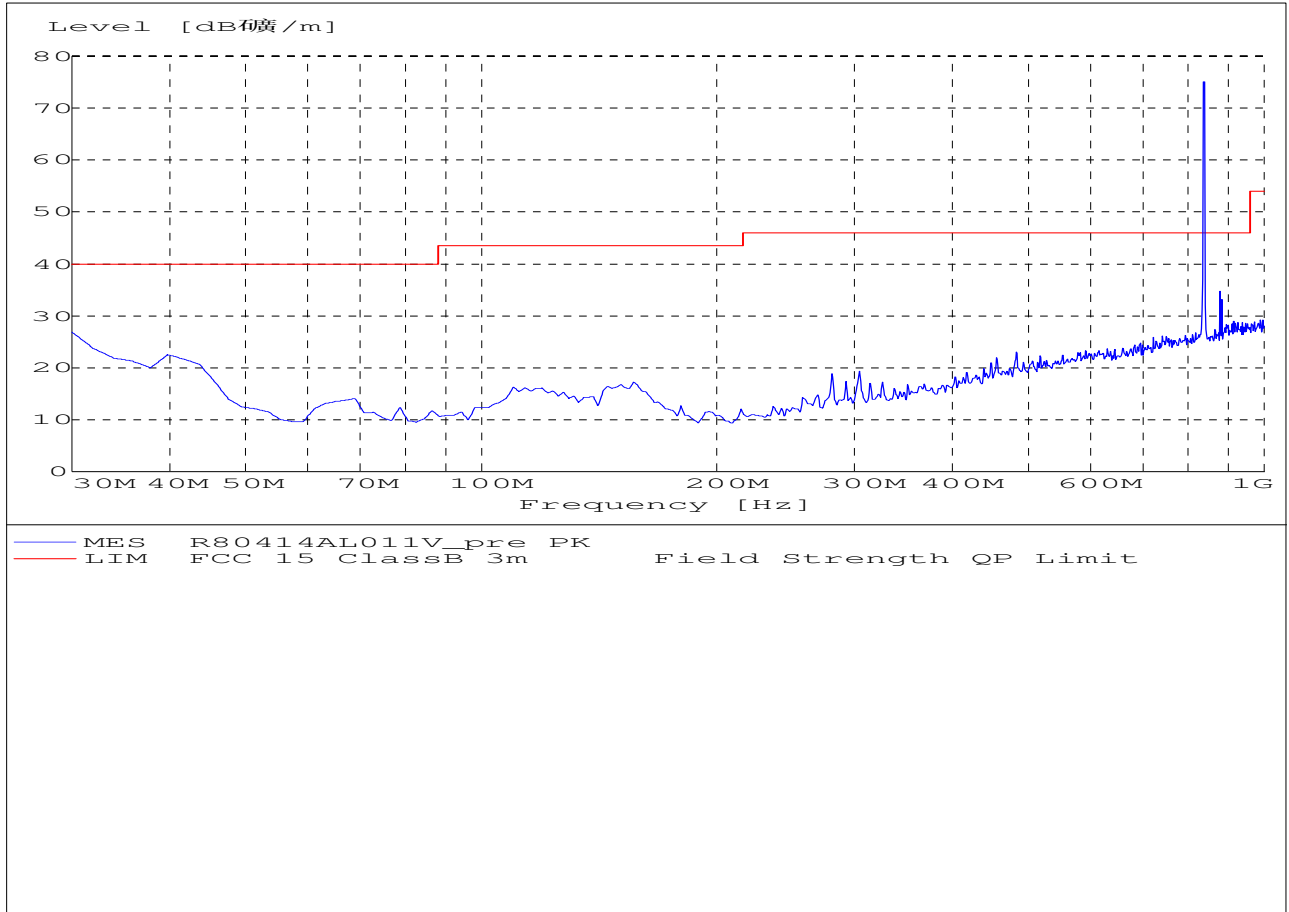
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 13 of 52

Vertical:



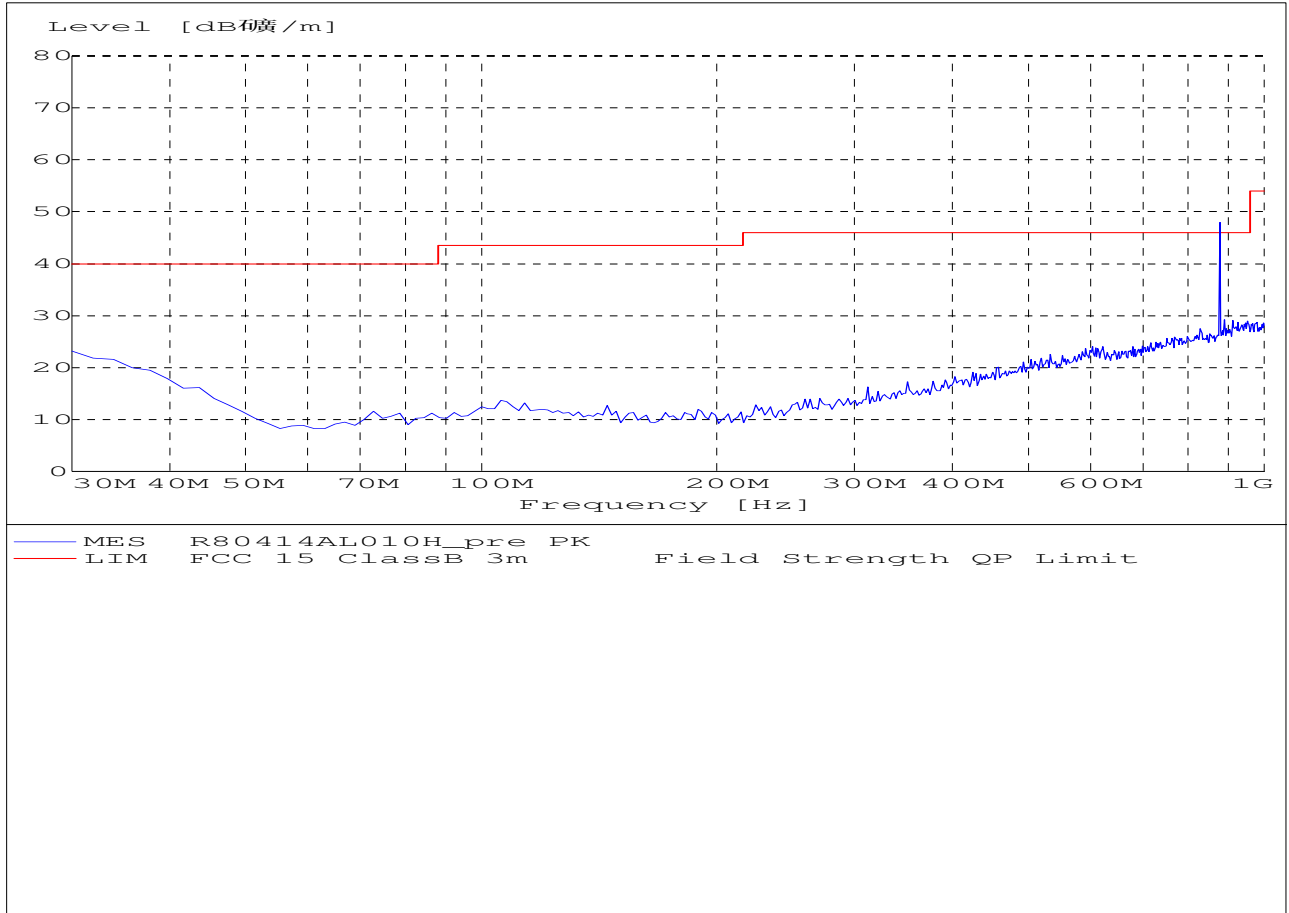
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 14 of 52

GSM 850 idle mode: (connected with T50002684AGAB power adapter of SCUD)
Horizontal:



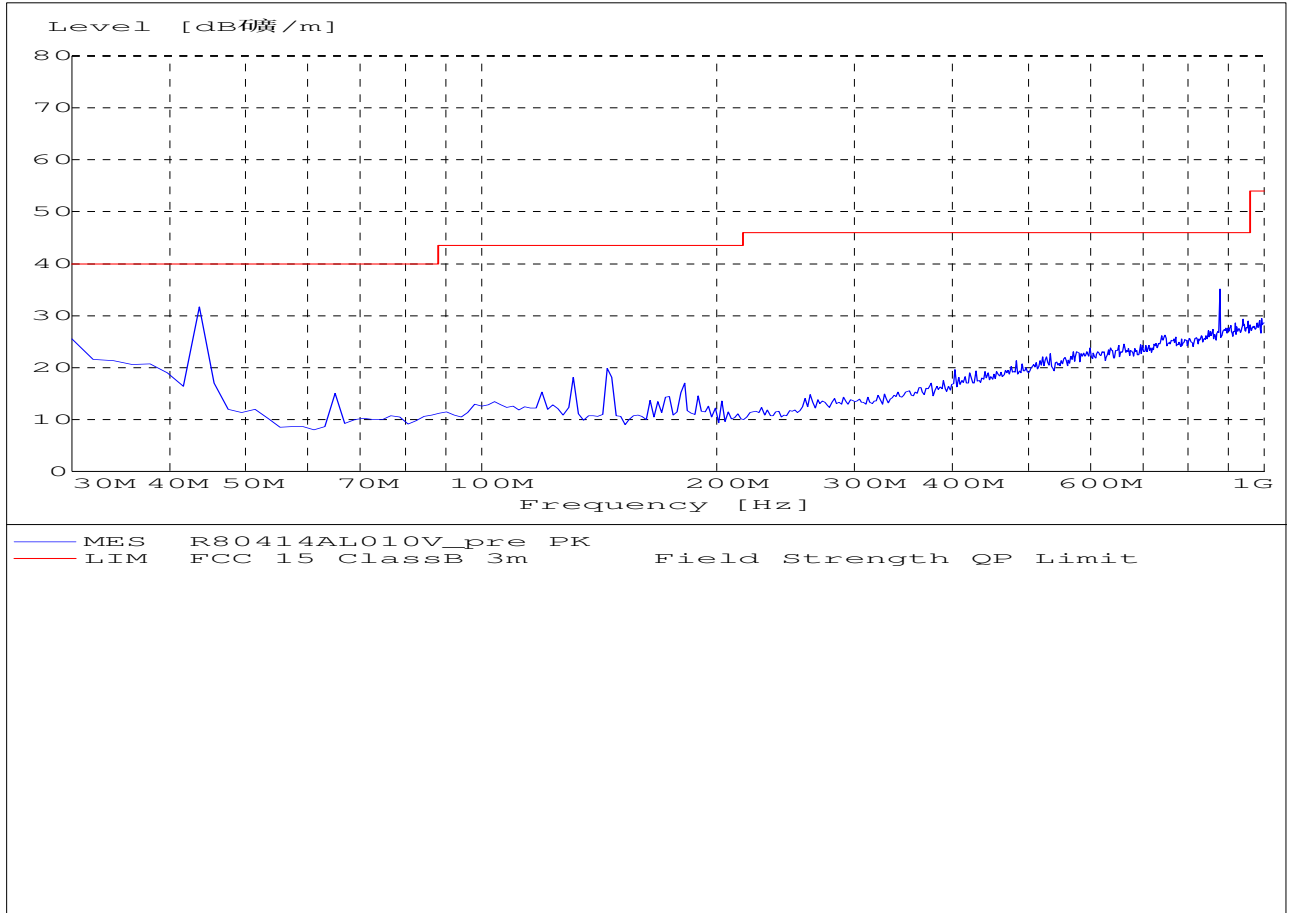
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 15 of 52

Vertical:



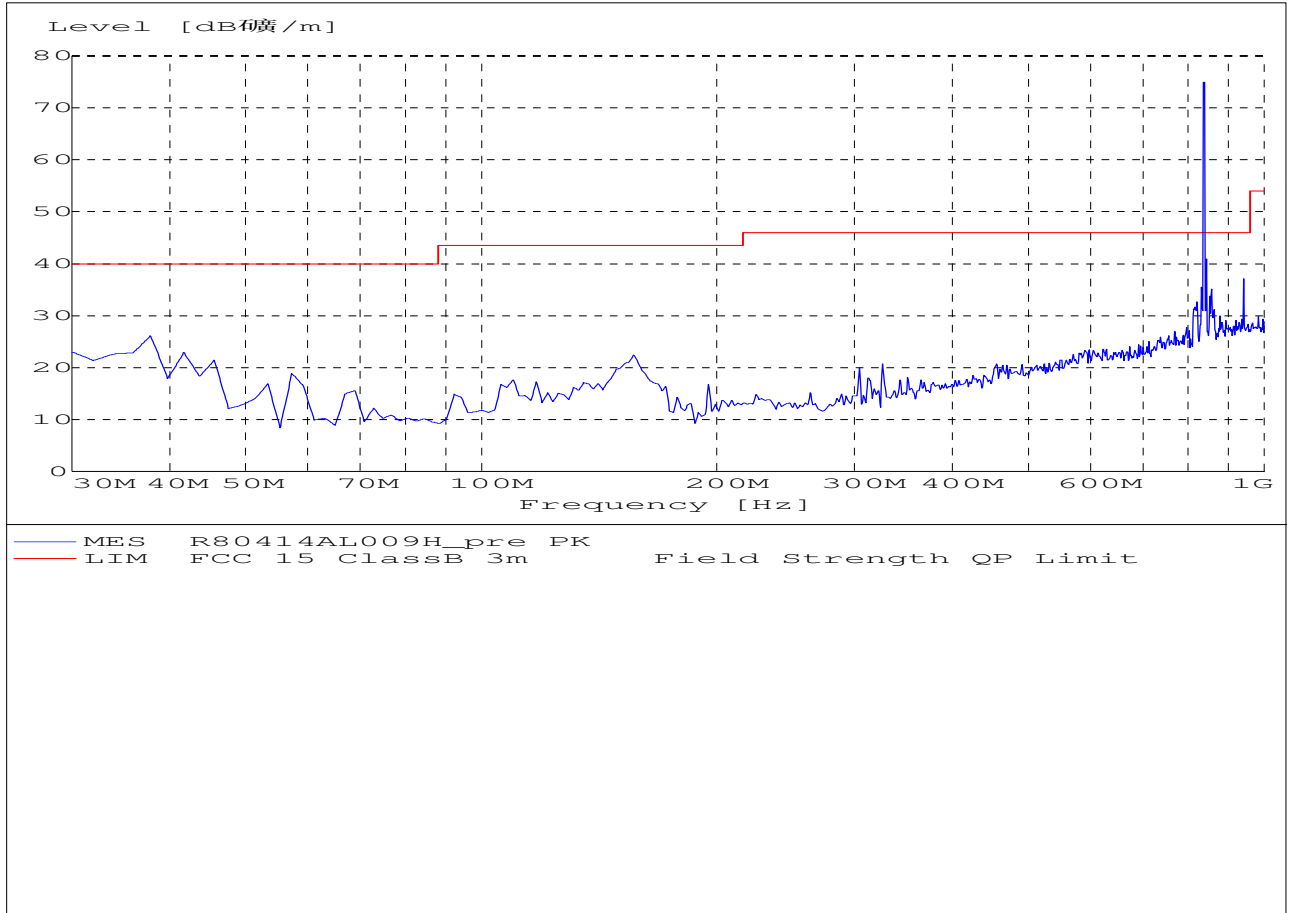
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 16 of 52

GSM 850 communication mode: (connected with T50002684AGAB power adapter of SCUD)
Horizontal:



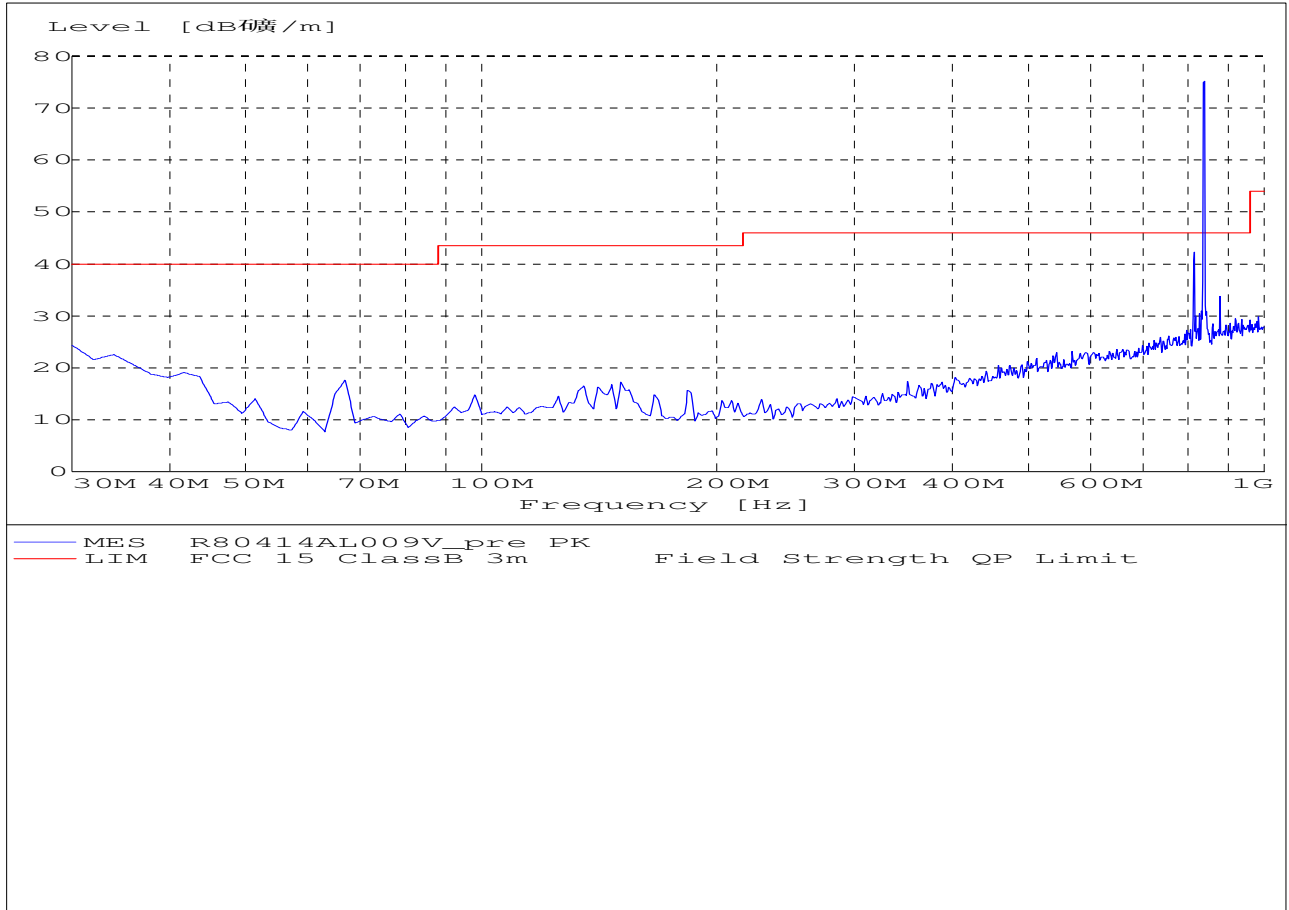
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 17 of 52

Vertical:



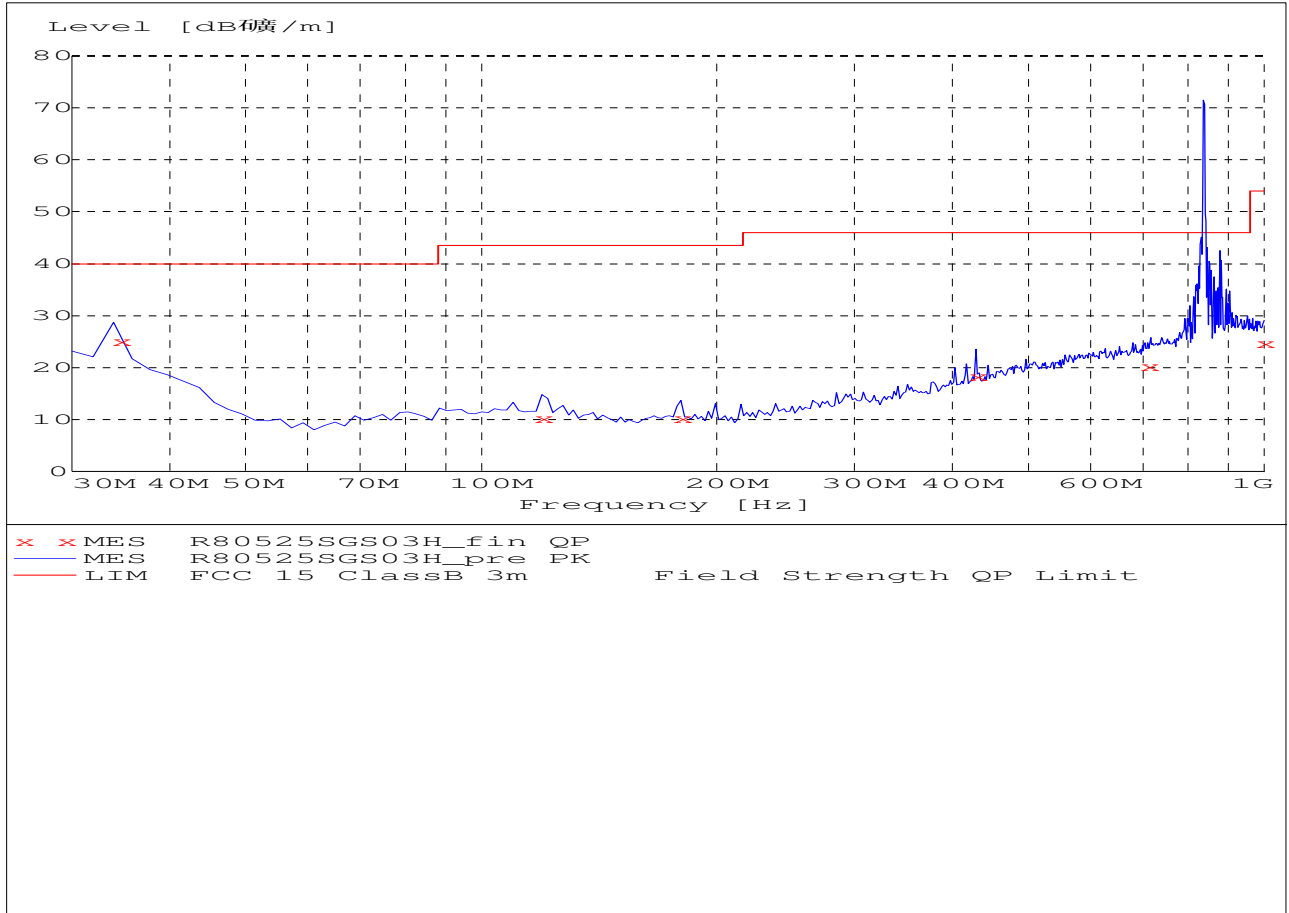
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 18 of 52

GSM 850 communication mode: (connected with CCA3010000E0 Earphone)
Horizontal:



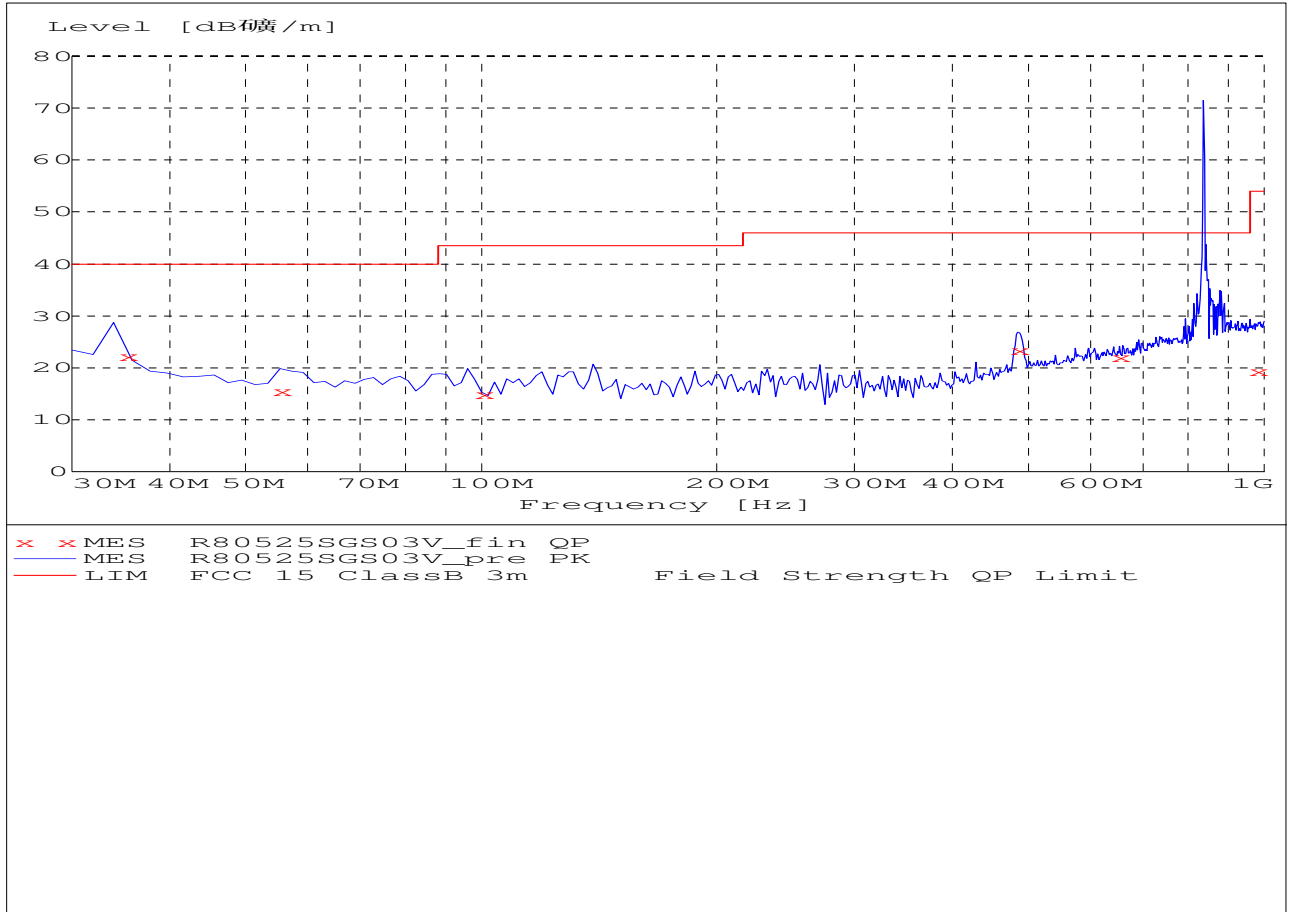
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 19 of 52

Vertical:



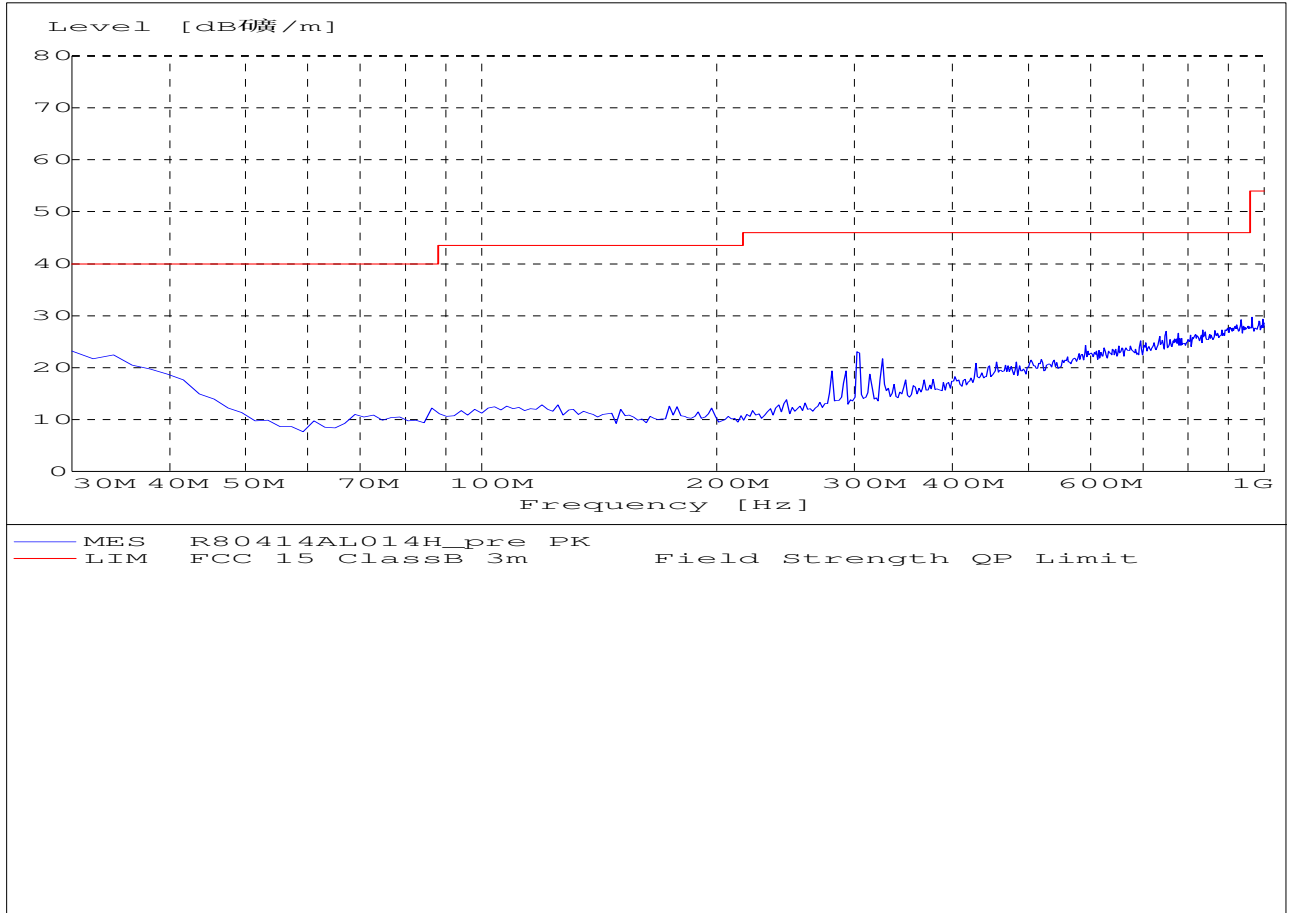
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 20 of 52

PCS 1900 idle mode: (connected with T50002684AGAA power adapter of Tenpao)
Horizontal:



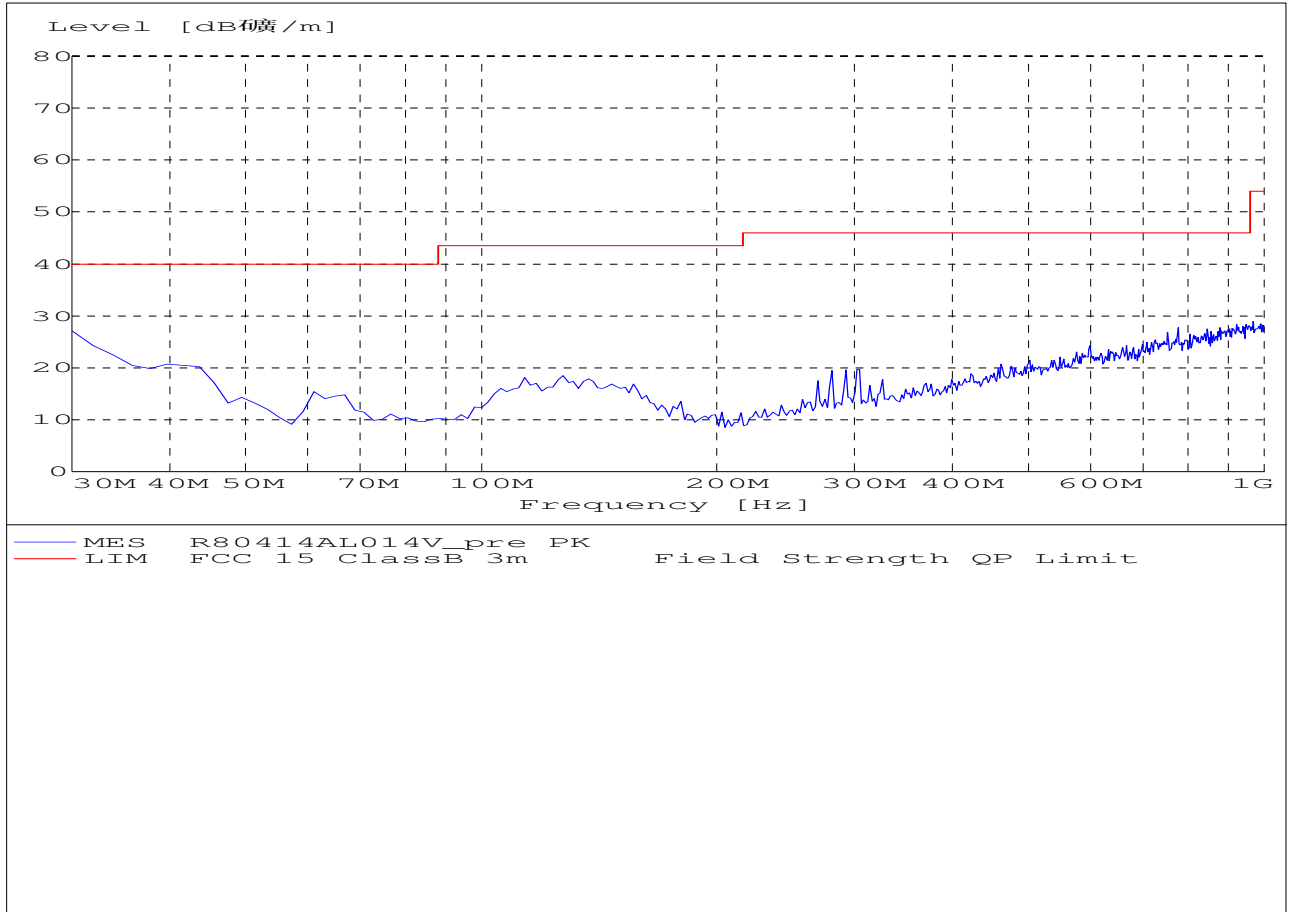
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 21 of 52

Vertical:



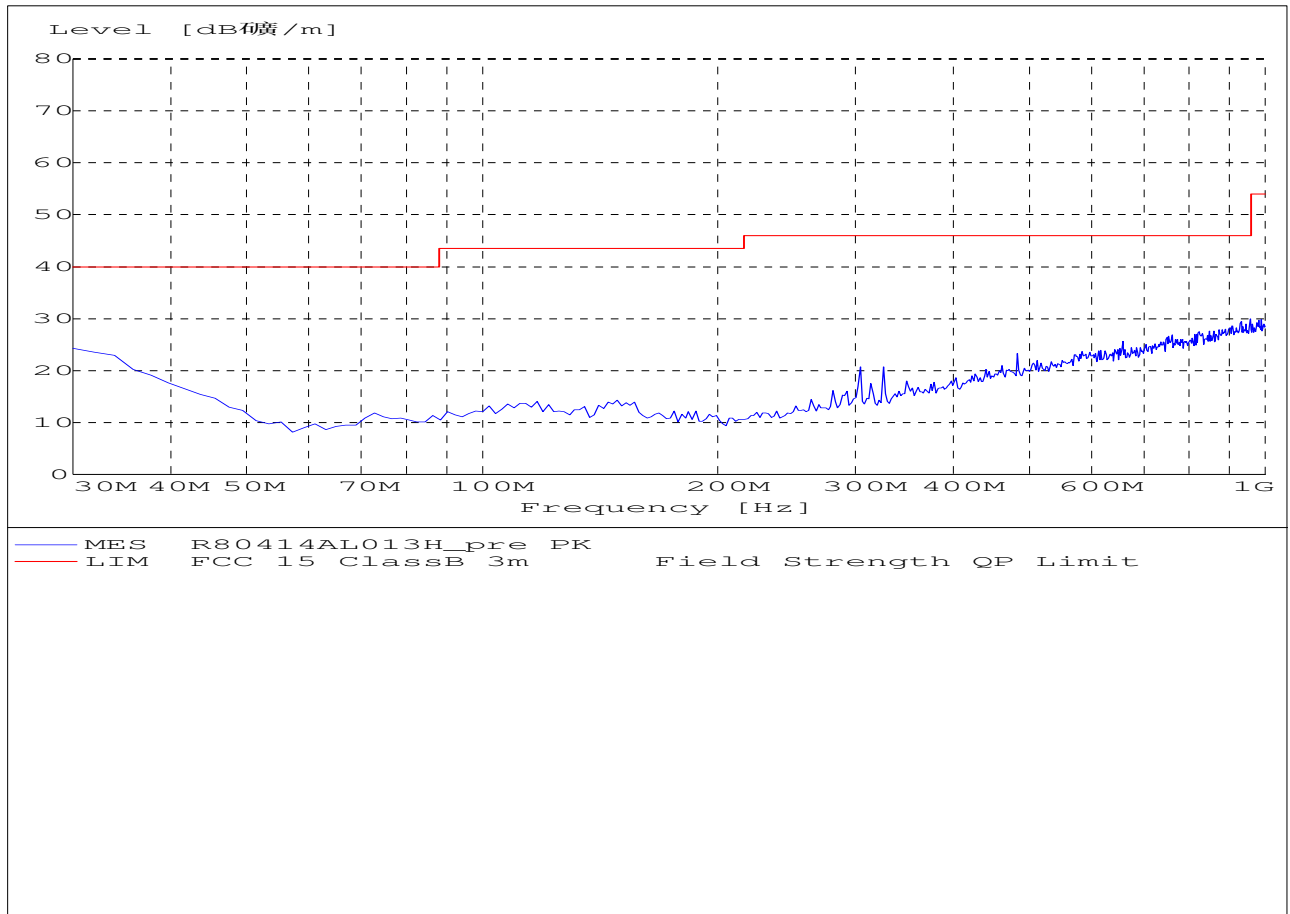
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 22 of 52

PCS 1900 communication mode: (connected with T50002684AGAA power adapter of Tenpao)
Horizontal:



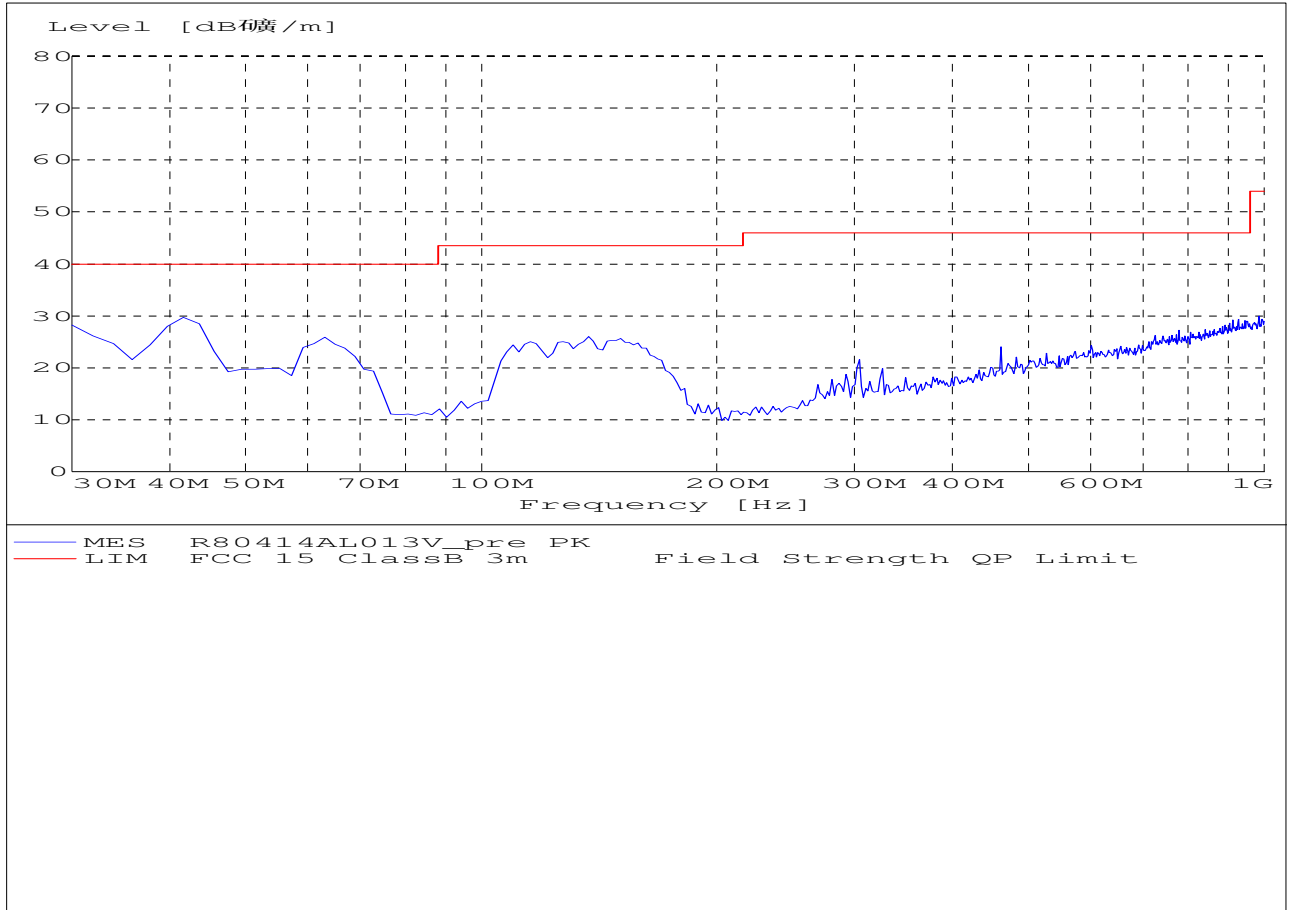
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 23 of 52

Vertical:



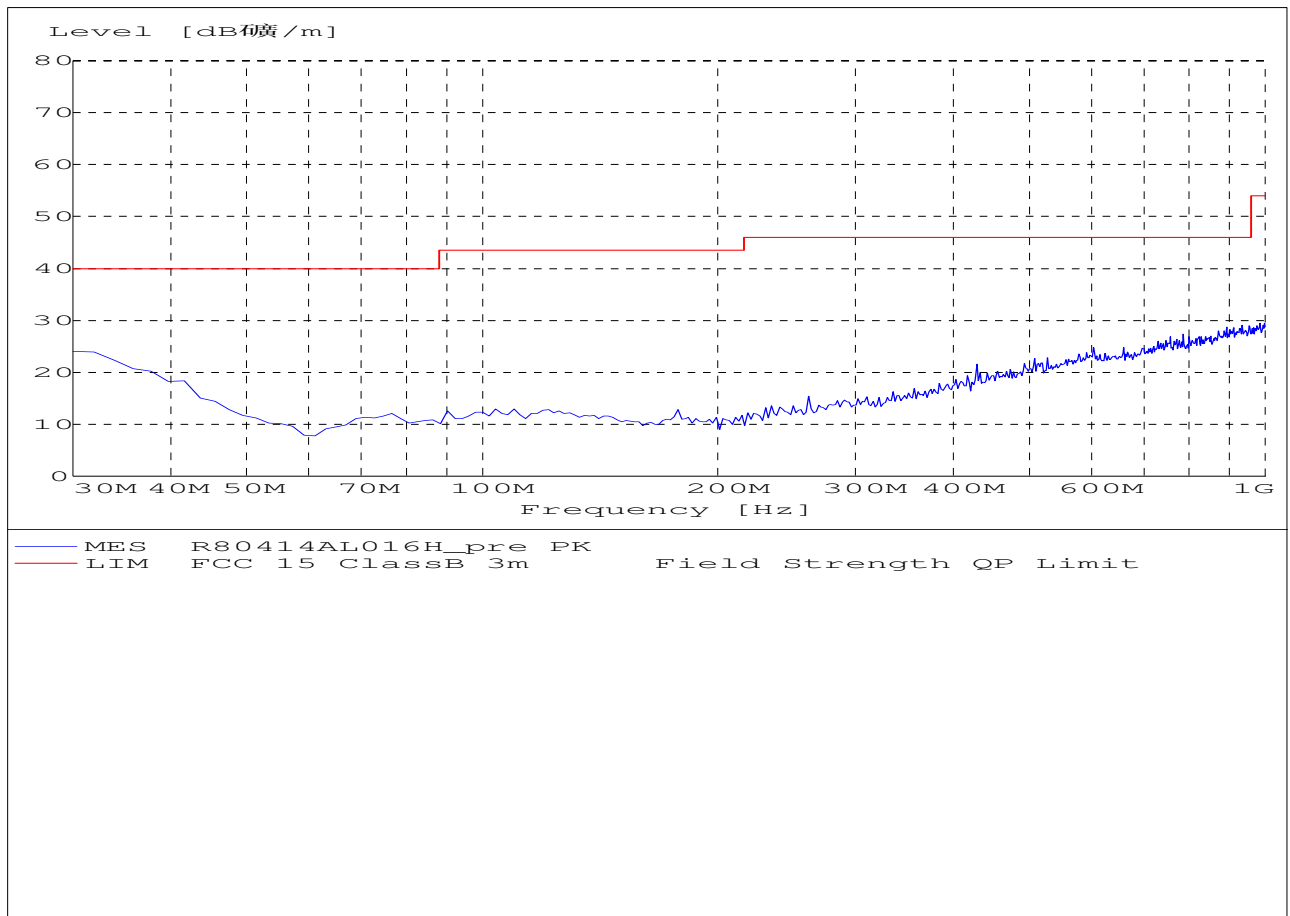
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 24 of 52

PCS 1900 Idle mode: (connected with T50002684AGAB power adapter of SCUD)
Horizontal:



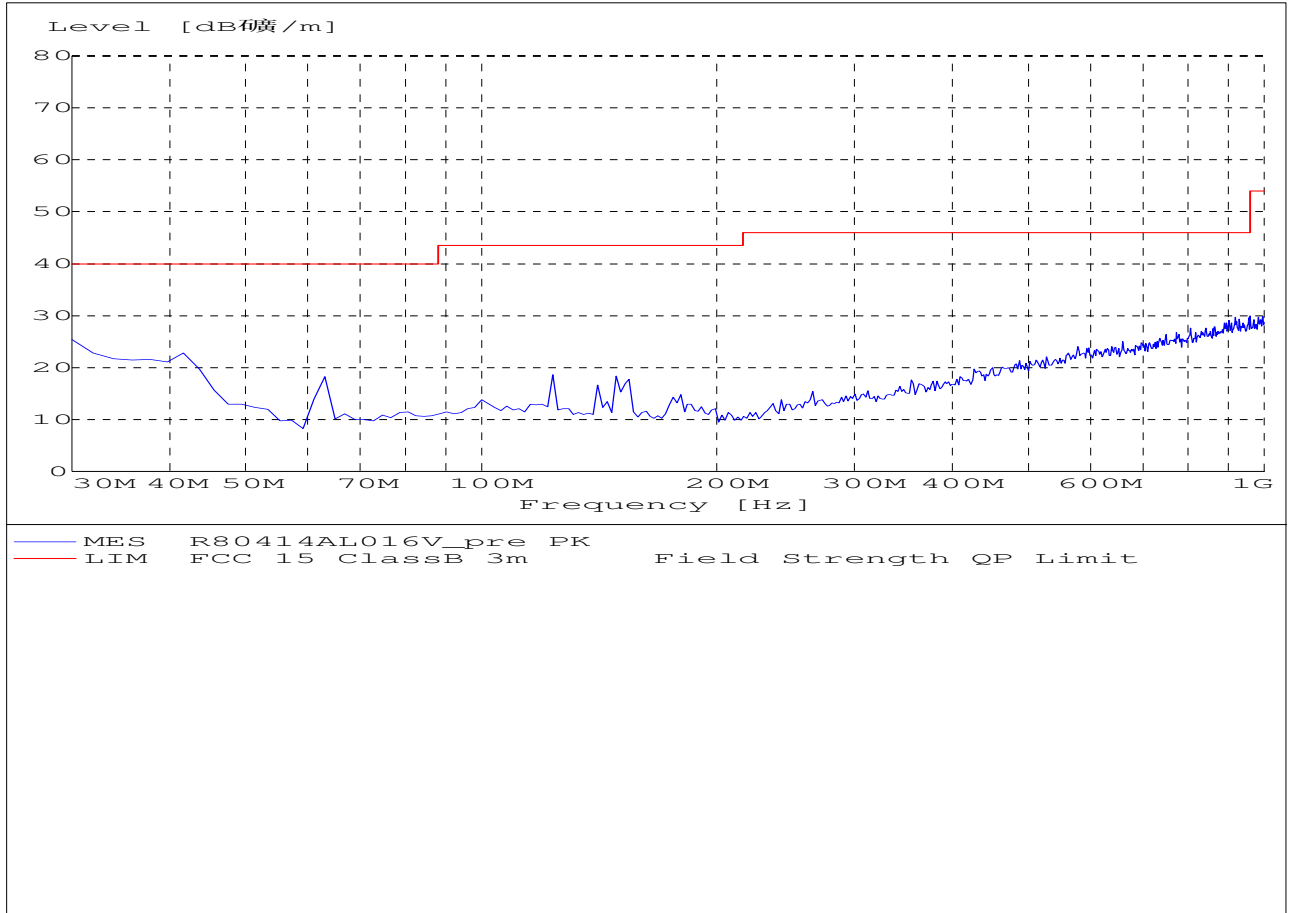
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 25 of 52

Vertical:



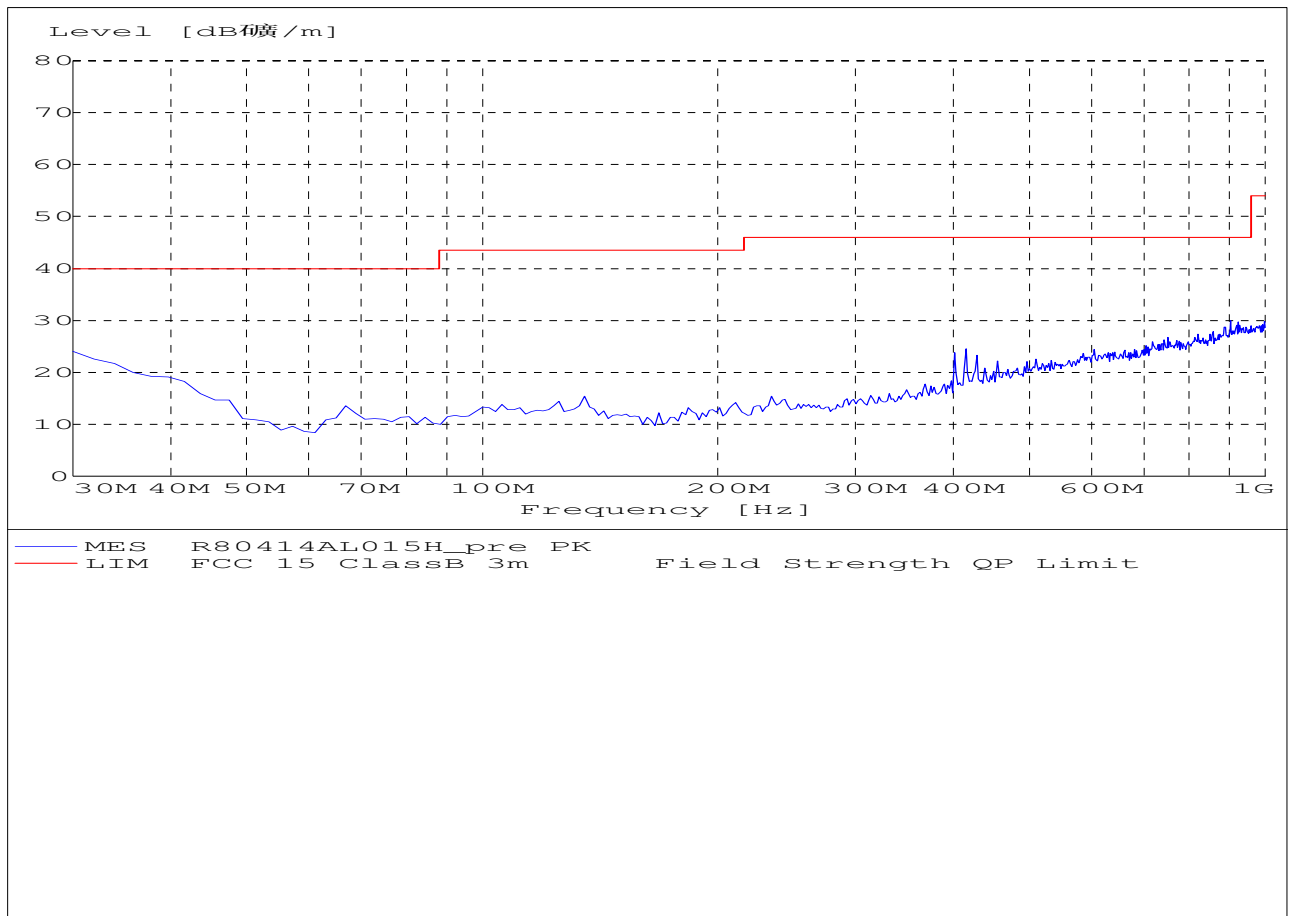
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 26 of 52

PCS 1900 communication mode: (connected with T50002684AGAB power adapter of SCUD)
Horizontal:



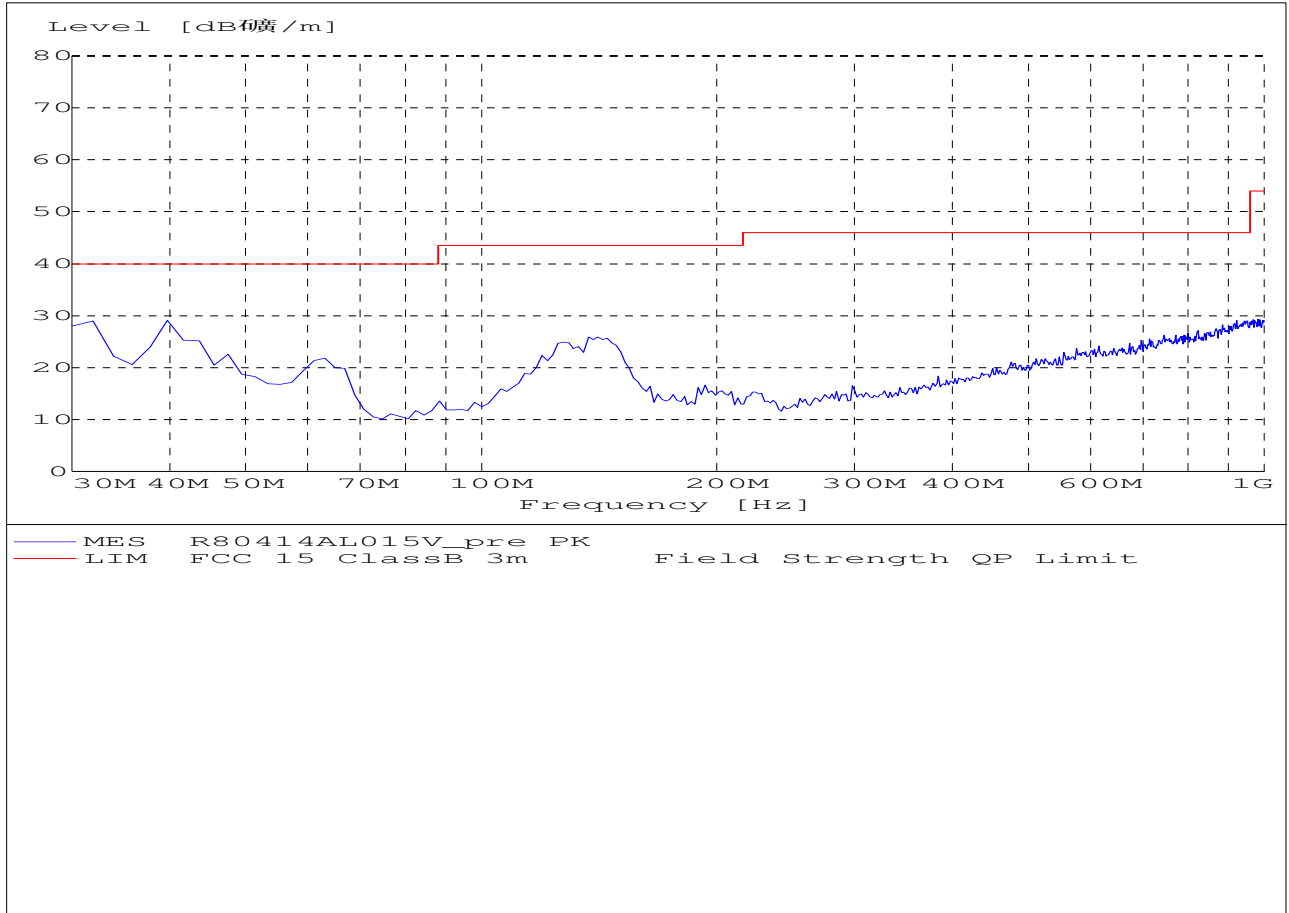
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 27 of 52

Vertical:



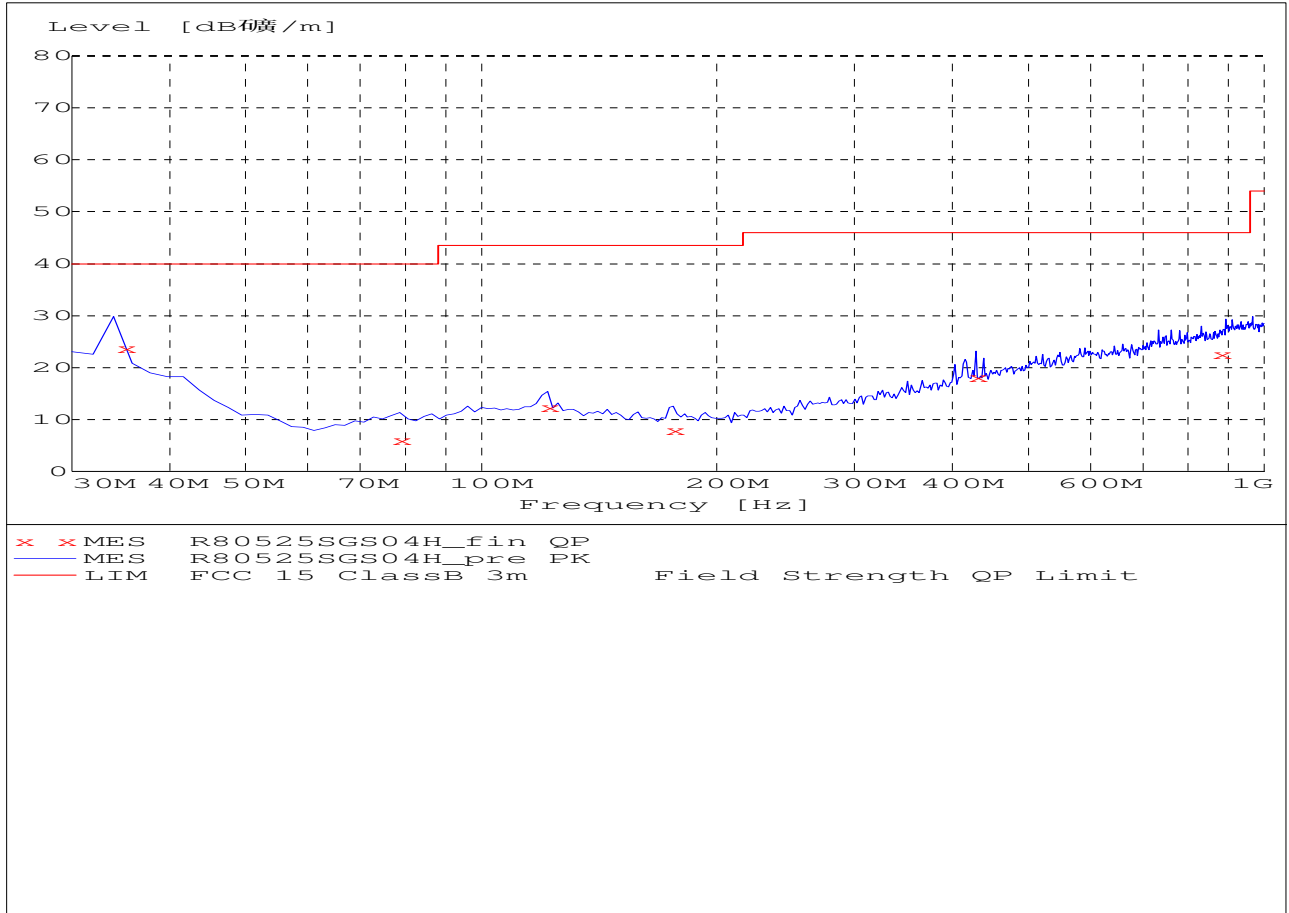
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 28 of 52

PCS 1900 communication mode: (connected with CCA3010000E0 Earphone)
Horizontal:



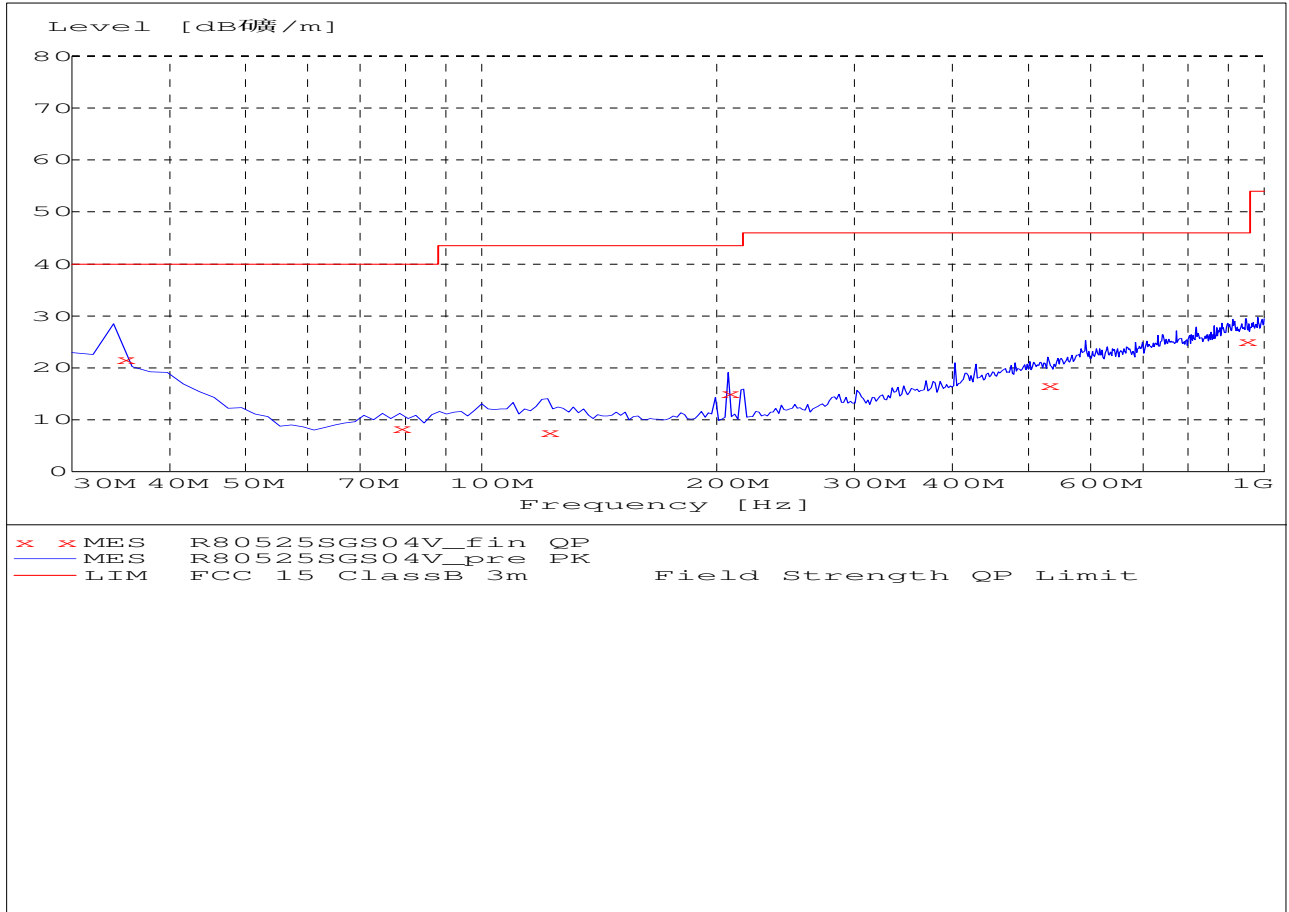
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 29 of 52

Vertical:



SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 30 of 52

6.2 Conducted Emissions, 150kHz to 30MHz

Test Requirement:	CFR 47 part 15 Subpart B
Test Method:	ANSI C63.4
Test Date:	April 18, 2008 to April 22, 2008
Frequency Range:	150kHz to 30MHz
Class:	N/A
Limit:	66 dB μ V - 56 dB μ V between 150kHz & 500kHz Quasi-peak 56 dB μ V between 0.5MHz & 5MHz Quasi-peak 60 dB μ V between 5MHz & 30MHz Quasi-peak

6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23.0°C Humidity: 50% RH Atmospheric Pressure: 1012 mbar

EUT Operation: EUT allocated with adaptor in GSM850/PCS1900.

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.

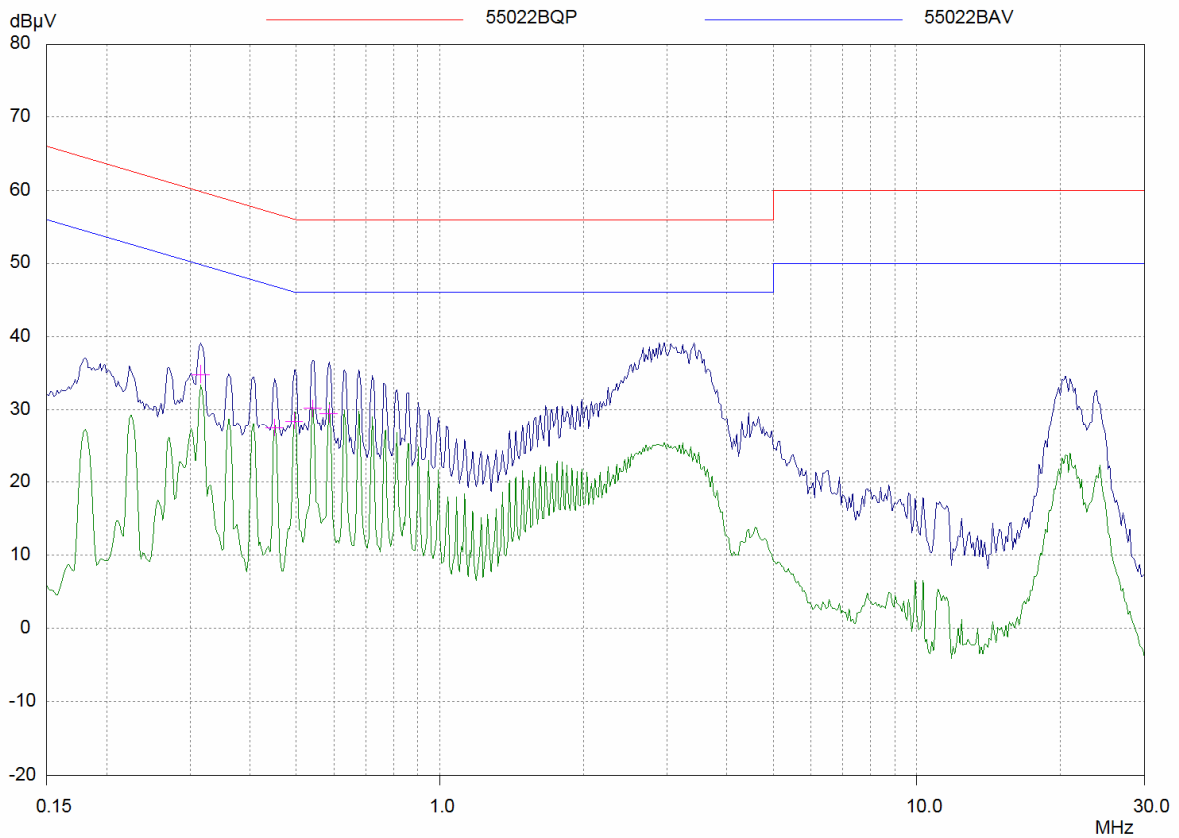
1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 31 of 52

GSM 850 idle mode: (connected with T50002684AGAA power adapter of Tenpao)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
------------------	------------------	------------------	----------------

No results

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
------------------	------------------	------------------	----------------

0.31471	34.79	48.85	15.06
0.45044	27.42	48.87	19.45
0.49584	28.37	48.07	17.70
0.54104	30.15	48.00	15.85
0.58582	28.45	48.00	18.55

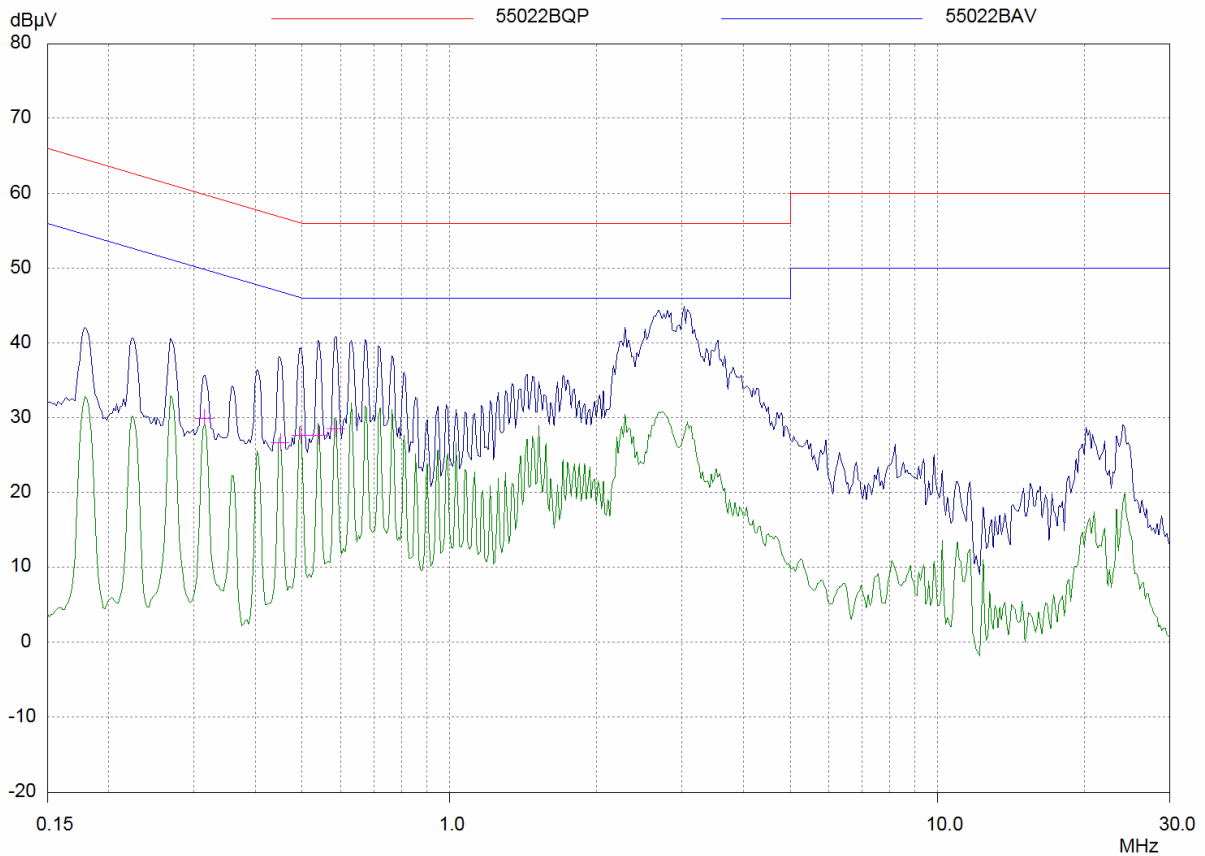
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 32 of 52

N Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
------------------	------------------	------------------	----------------

No results

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
------------------	------------------	------------------	----------------

0.31471	28.94	-8.85	19.91
0.45044	28.57	-8.87	20.30
0.48584	27.55	-8.07	19.52
0.54104	27.46	-8.00	19.51
0.58592	28.45	-8.00	17.55

SGS-CSTC Standards Technical Services Co., Ltd.

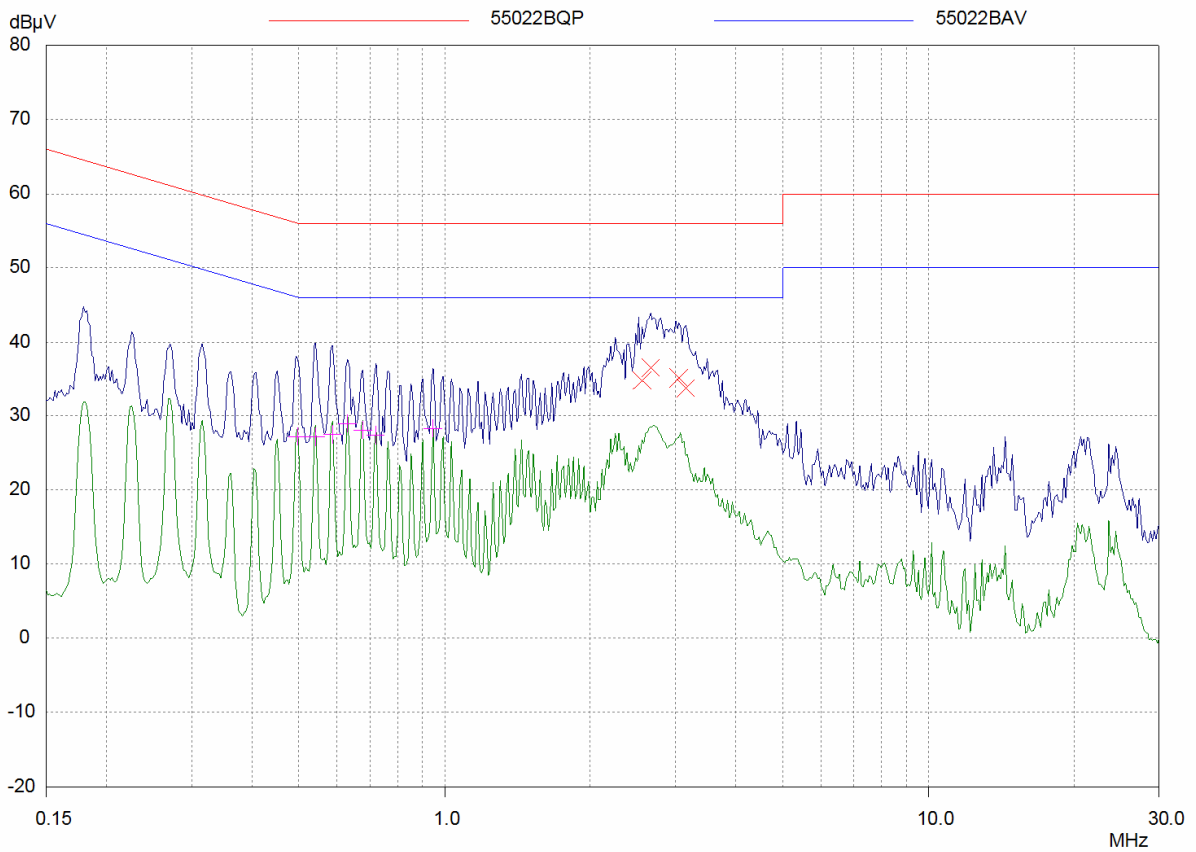
1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 33 of 52

GSM 850 communication mode: (connected with T50002684AGAA power adapter of Tenpao)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
2.55882	34.80	58.00	21.20
2.66282	35.57	58.00	19.43
3.04491	35.18	58.00	20.82
3.14785	33.83	58.00	22.17

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.49564	27.12	46.00	18.88
0.54104	27.11	46.00	18.89
0.58592	27.42	46.00	18.58
0.62948	28.91	46.00	17.09
0.67828	27.96	46.00	18.02
0.7208	27.34	46.00	18.66
0.94509	28.23	46.00	17.77

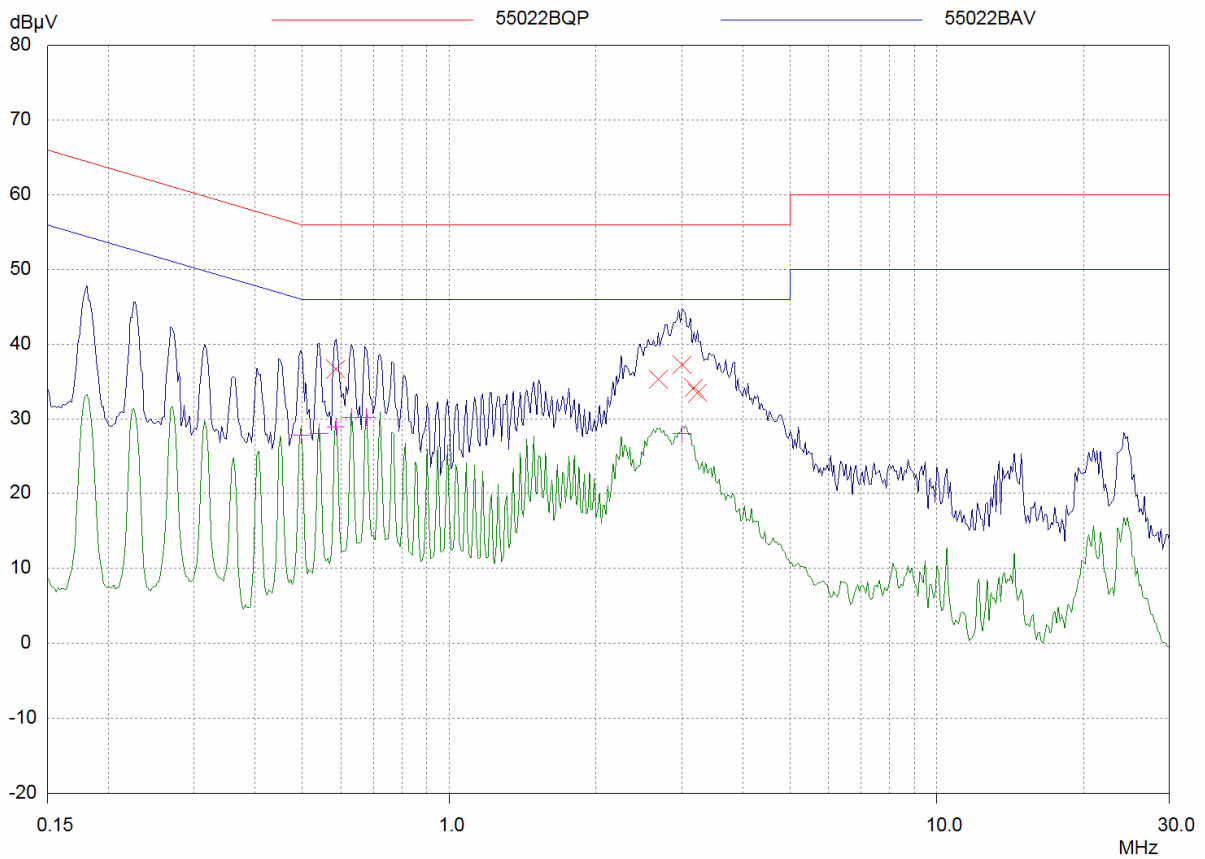
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 34 of 52

N Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.58582	36.66	56.00	19.34
2.88413	35.34	56.00	20.66
3.00089	37.24	56.00	18.76
3.17303	34.21	56.00	21.79
3.224	33.50	56.00	22.50

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.48564	27.76	46.00	18.24
0.54104	27.91	46.00	18.09
0.56592	28.76	46.00	17.24
0.62948	30.18	46.00	15.82
0.87628	30.17	46.00	15.83
3.00089	27.91	46.00	18.09

SGS-CSTC Standards Technical Services Co., Ltd.

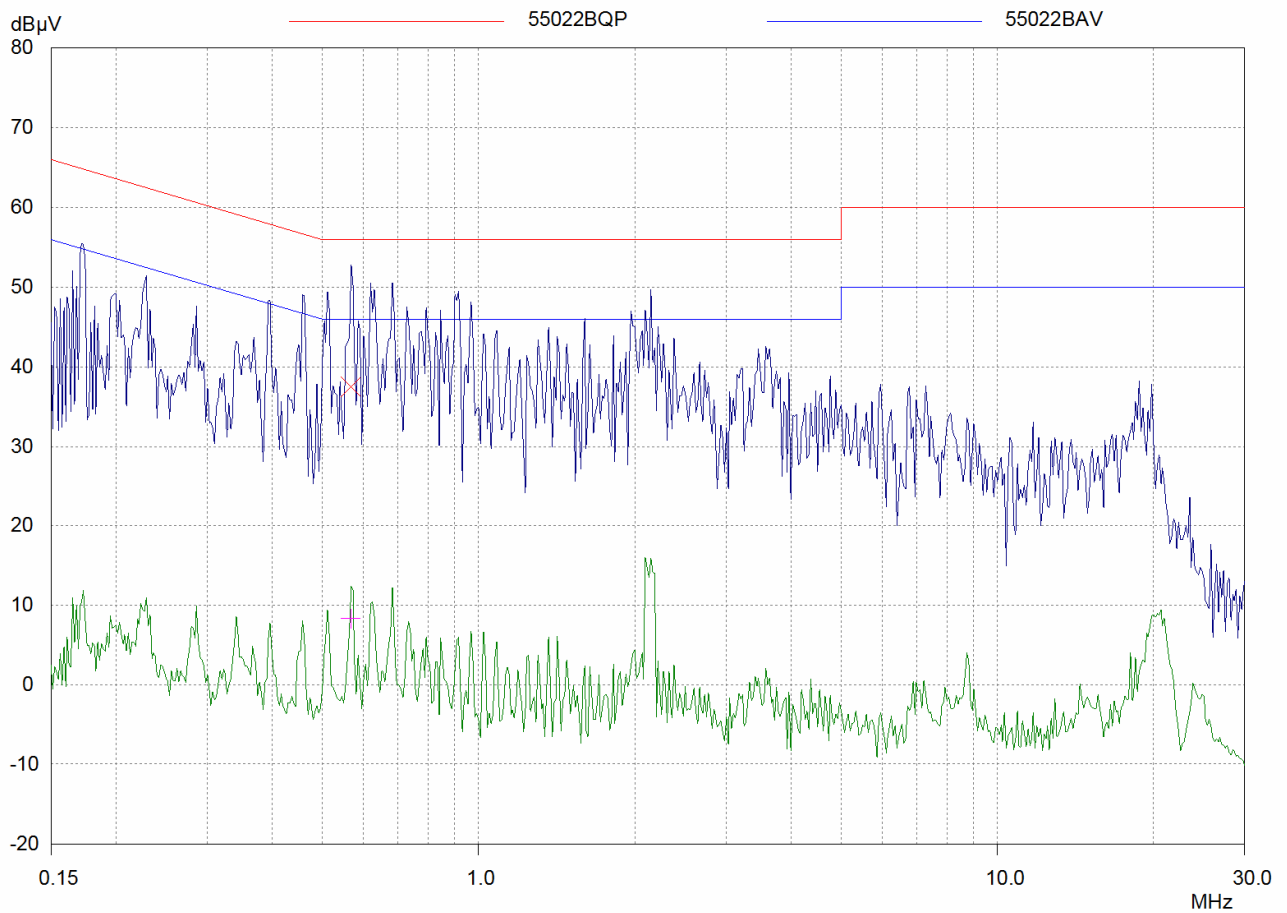
1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 35 of 52

GSM 850 idle mode: (connected with T50002684AGAB power adapter of SCUD)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.56754	37.50	56.00	18.50

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.56754	8.26	46.00	37.74

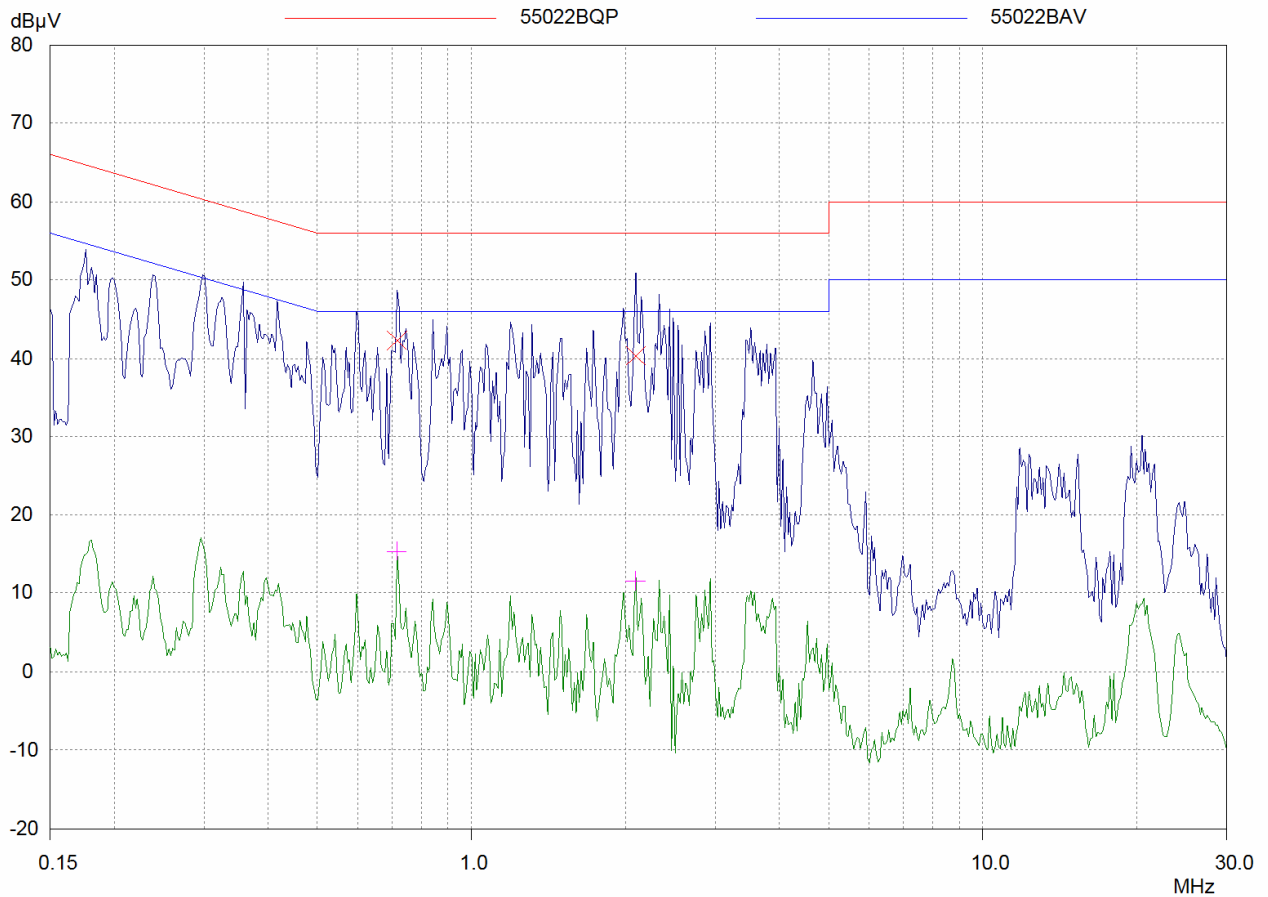
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 36 of 52

N Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.71508	42.28	56.00	13.72
2.09665	40.30	56.00	15.70

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.71508	15.28	46.00	30.72
2.09665	11.50	46.00	34.50

SGS-CSTC Standards Technical Services Co., Ltd.

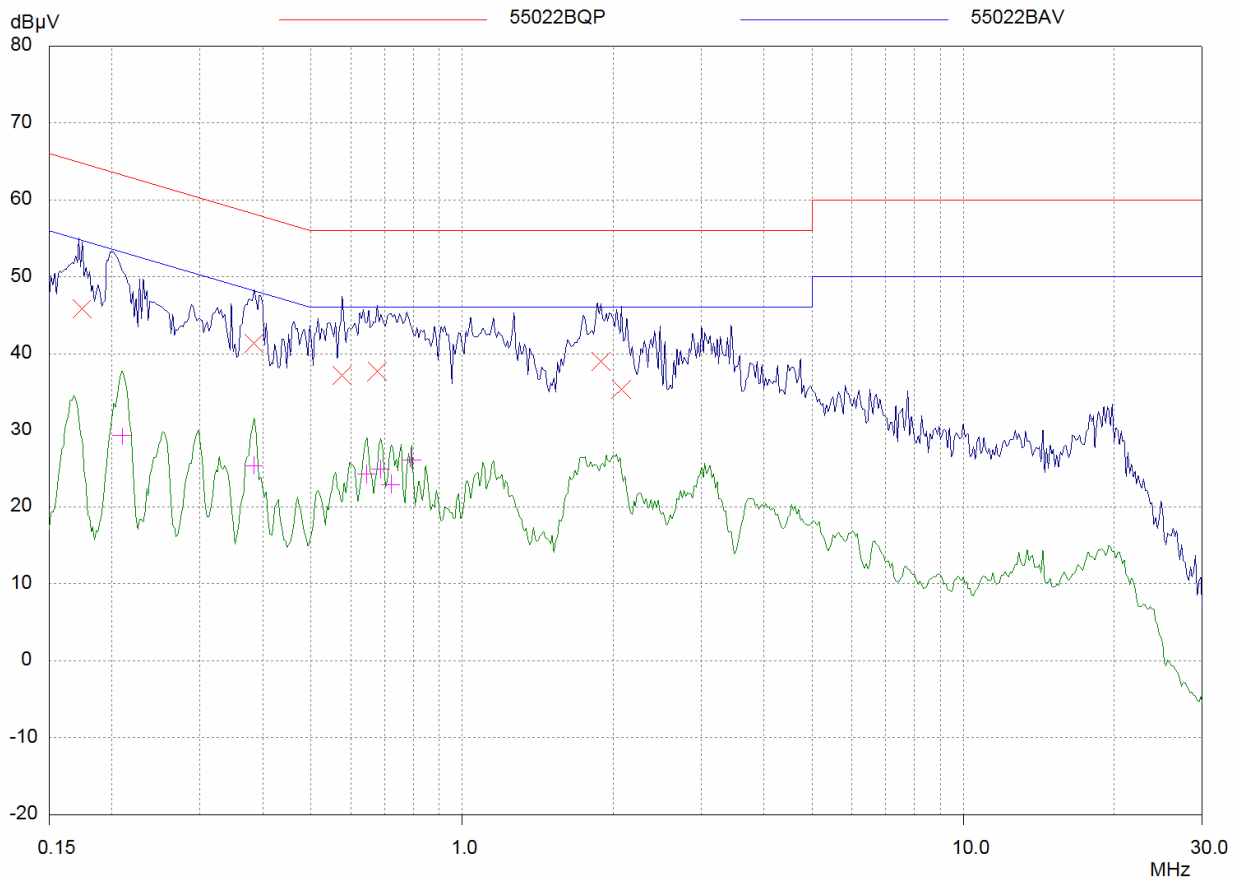
1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 37 of 52

GSM 850 communication mode: (connected with T50002684AGAB power adapter of SCUD)

L Line:



Final Measurement Results

Frequency MHz	QP_Level dBµV	QP_Limit dBµV	QP_Delta dB
0.17451	45.83	64.74	18.91
0.38409	41.30	58.19	16.89
0.57888	37.18	58.00	18.84
0.87828	37.88	58.00	18.32
1.88034	38.98	58.00	17.02
2.08001	35.38	58.00	20.62

Frequency MHz	AV_Level dBµV	AV_Limit dBµV	AV_Delta dB
0.20962	29.19	53.22	24.03
0.38409	25.33	48.19	22.86
0.64471	24.23	46.00	21.77
0.68715	24.82	46.00	21.18
0.7208	22.90	46.00	23.10
0.79312	26.09	46.00	19.91

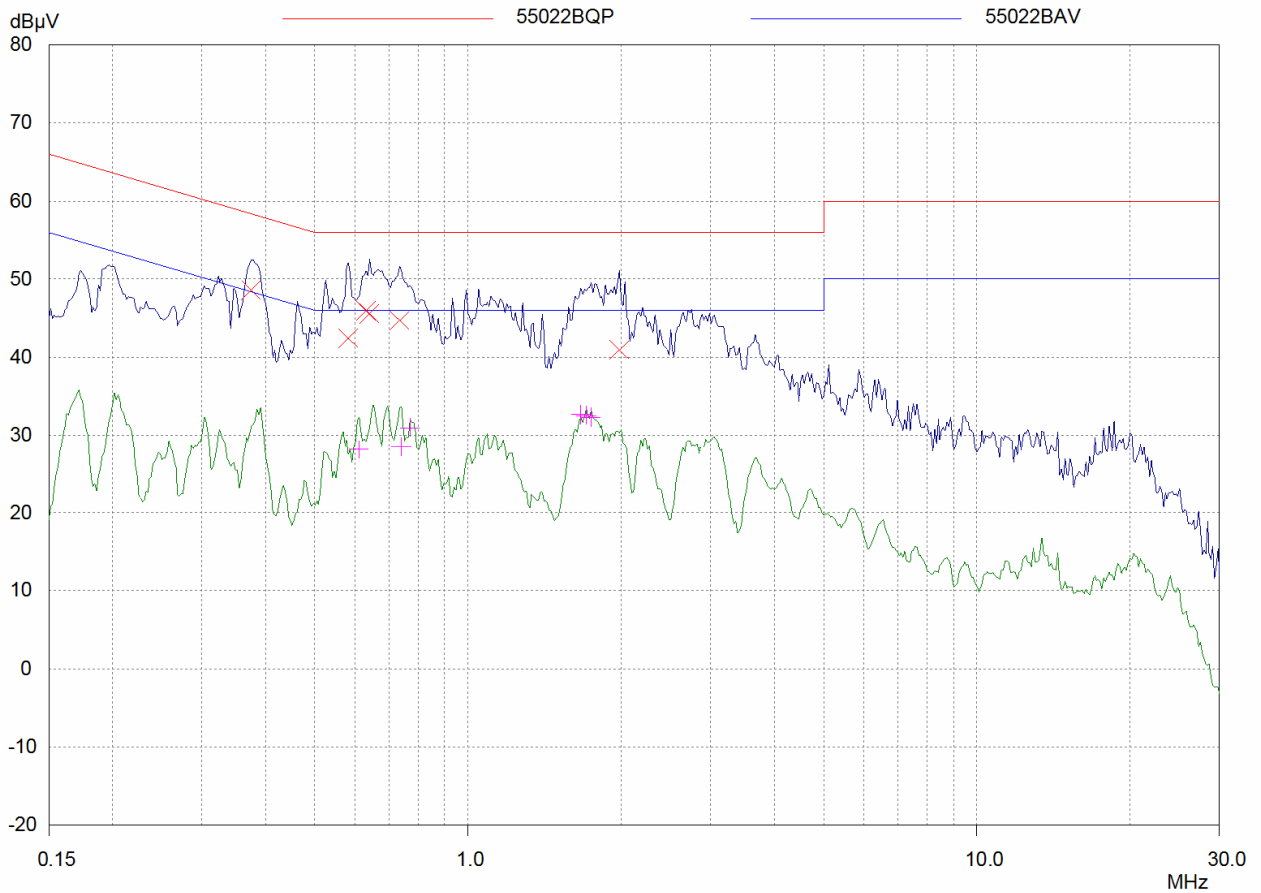
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 38 of 52

N Line :



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.37501	48.57	58.39	9.82
0.58127	42.45	56.00	13.55
0.62948	45.93	58.00	10.07
0.63659	45.61	58.00	10.39
0.73238	44.72	56.00	11.28
1.98261	40.93	58.00	15.07

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.60974	28.09	46.00	17.91
0.73624	28.51	46.00	17.49
0.76824	30.98	46.00	15.02
1.68407	32.86	46.00	13.14
1.70432	32.54	46.00	13.46
1.74556	32.31	46.00	13.69

SGS-CSTC Standards Technical Services Co., Ltd.

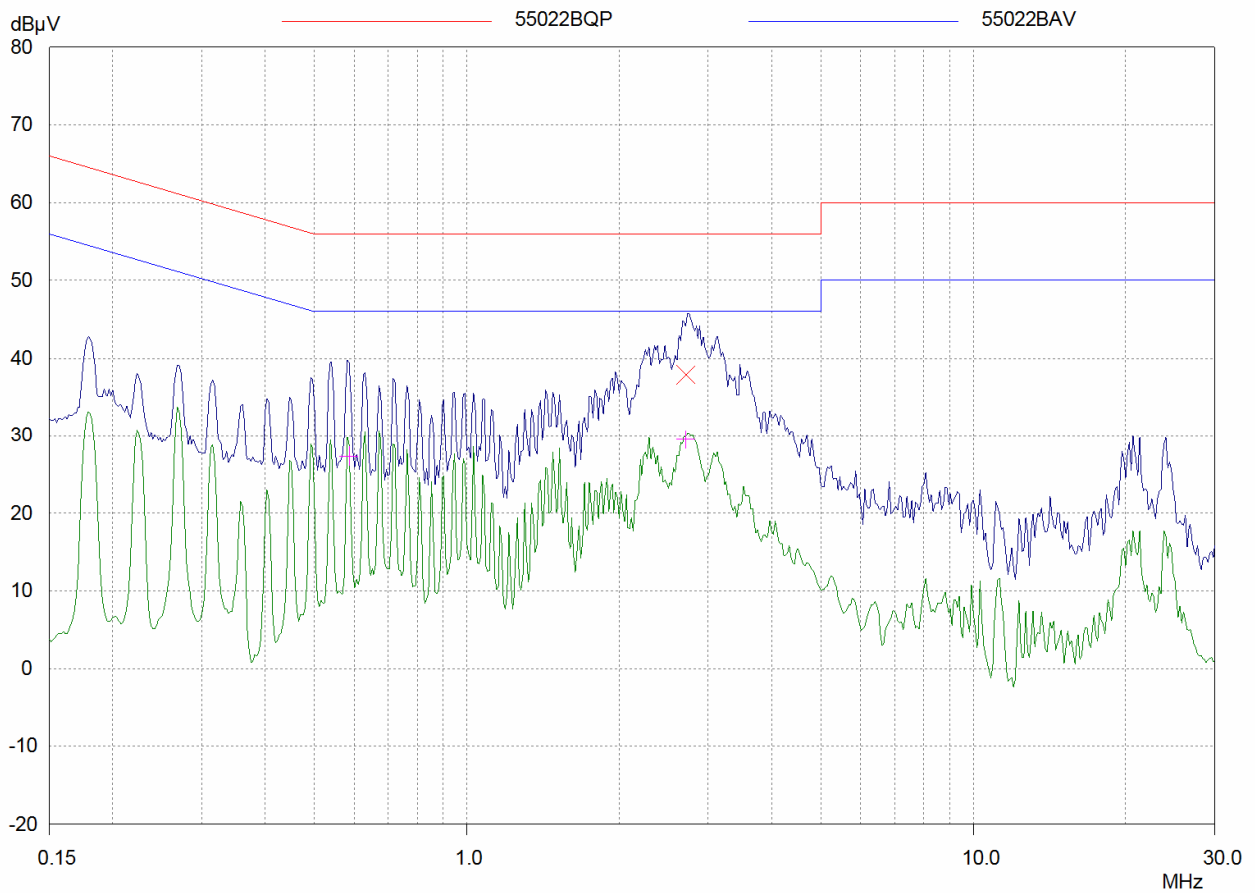
1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 39 of 52

PCS 1900 idle mode: (connected with T50002684AGAA power adapter of Tenpao)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
2.7058	37.90	58.00	18.10

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.58562	27.26	46.00	18.74
2.7058	29.43	48.00	18.57

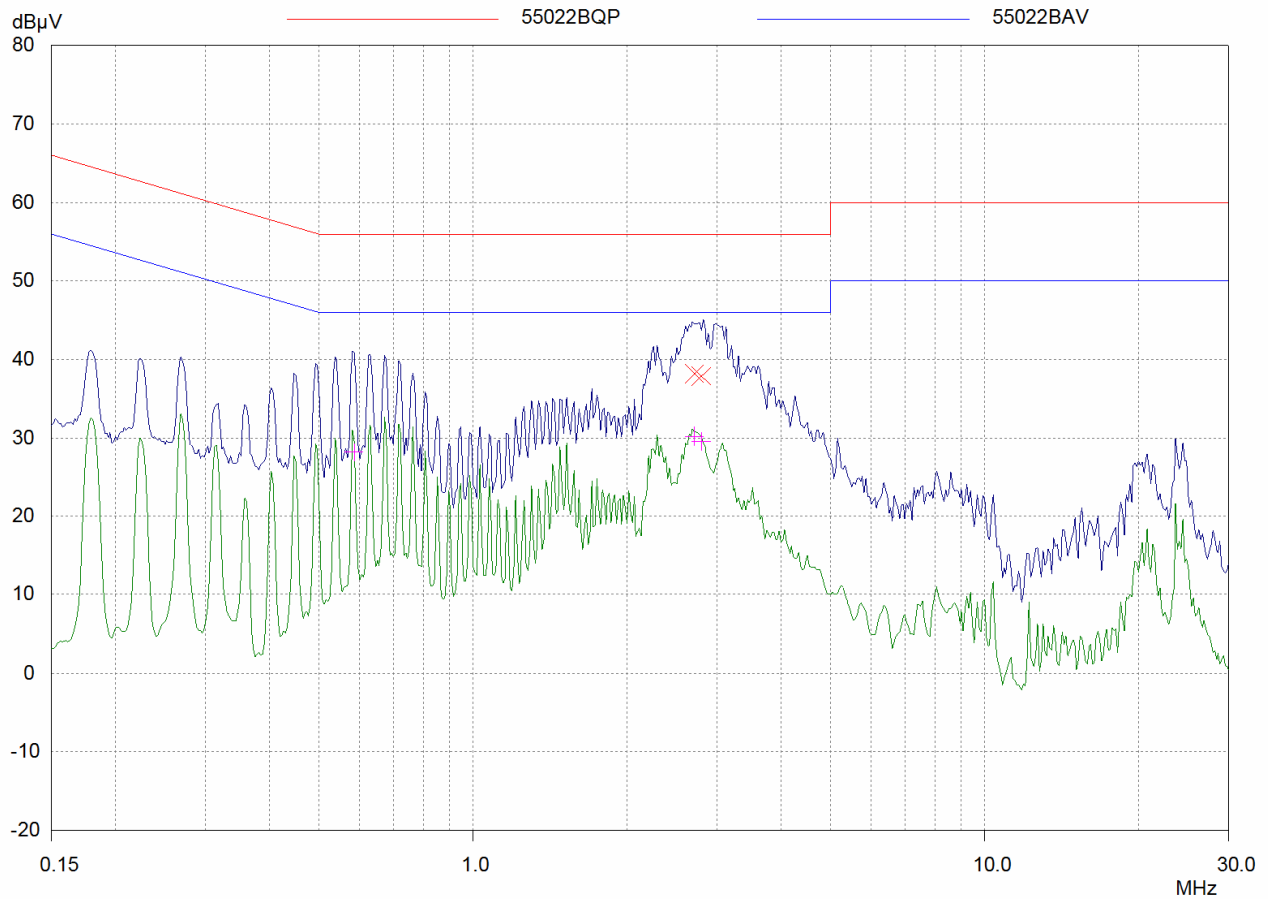
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 40 of 52

N Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
2.7056	38.20	58.00	17.80
2.79322	37.88	58.00	18.14

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.58562	28.10	48.00	17.90
2.7056	30.17	48.00	15.83
2.79322	29.49	48.00	18.51

SGS-CSTC Standards Technical Services Co., Ltd.

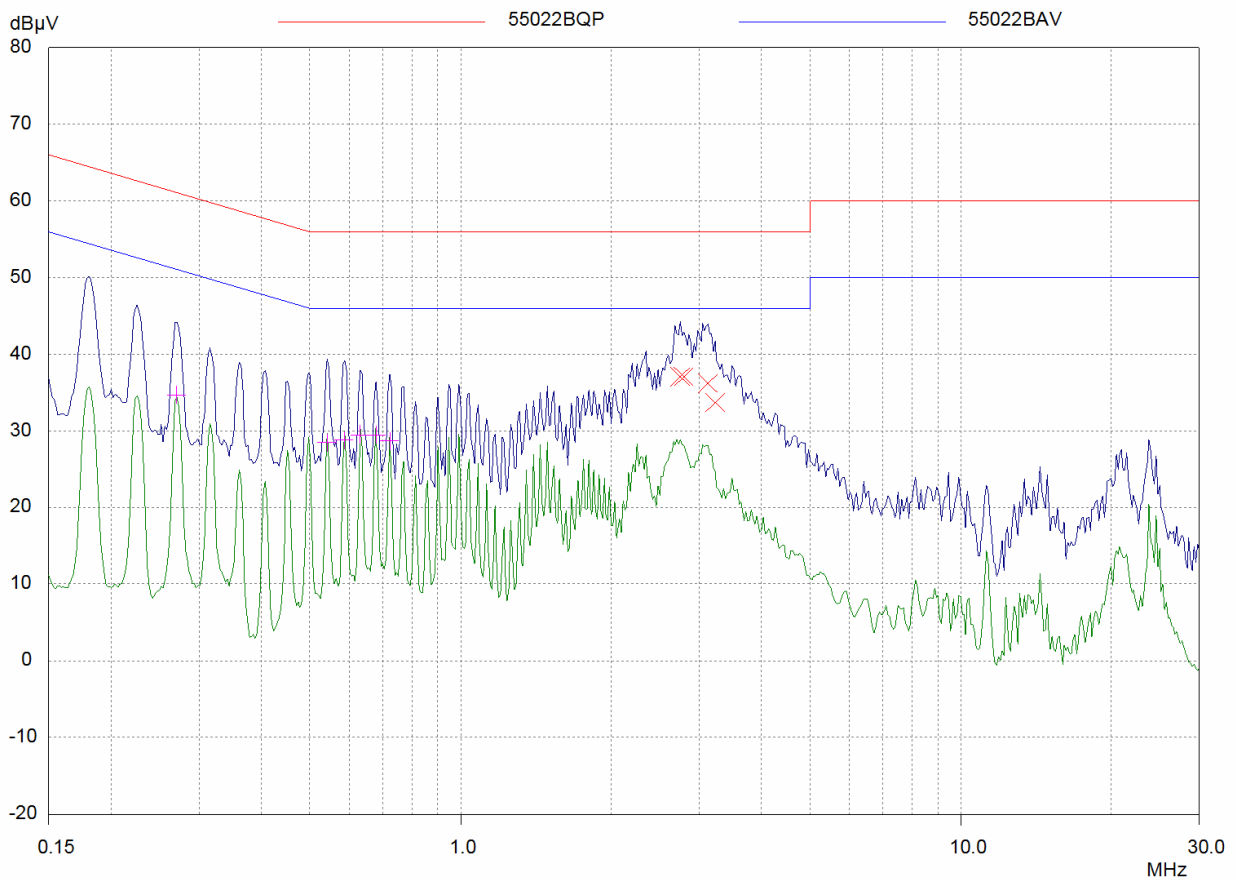
1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 41 of 52

PCS 1900 communication mode: (connected with T50002684AGAA power adapter of Tenpao)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
2.74908	37.13	58.00	18.87
2.79322	37.08	58.00	18.92
3.12287	36.23	58.00	19.77
3.224	33.74	58.00	22.26

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.2705	34.72	51.10	16.38
0.54104	28.41	46.00	17.59
0.58582	28.73	46.00	17.27
0.62848	28.52	46.00	16.48
0.87828	28.51	46.00	18.49
0.7208	28.85	46.00	17.35

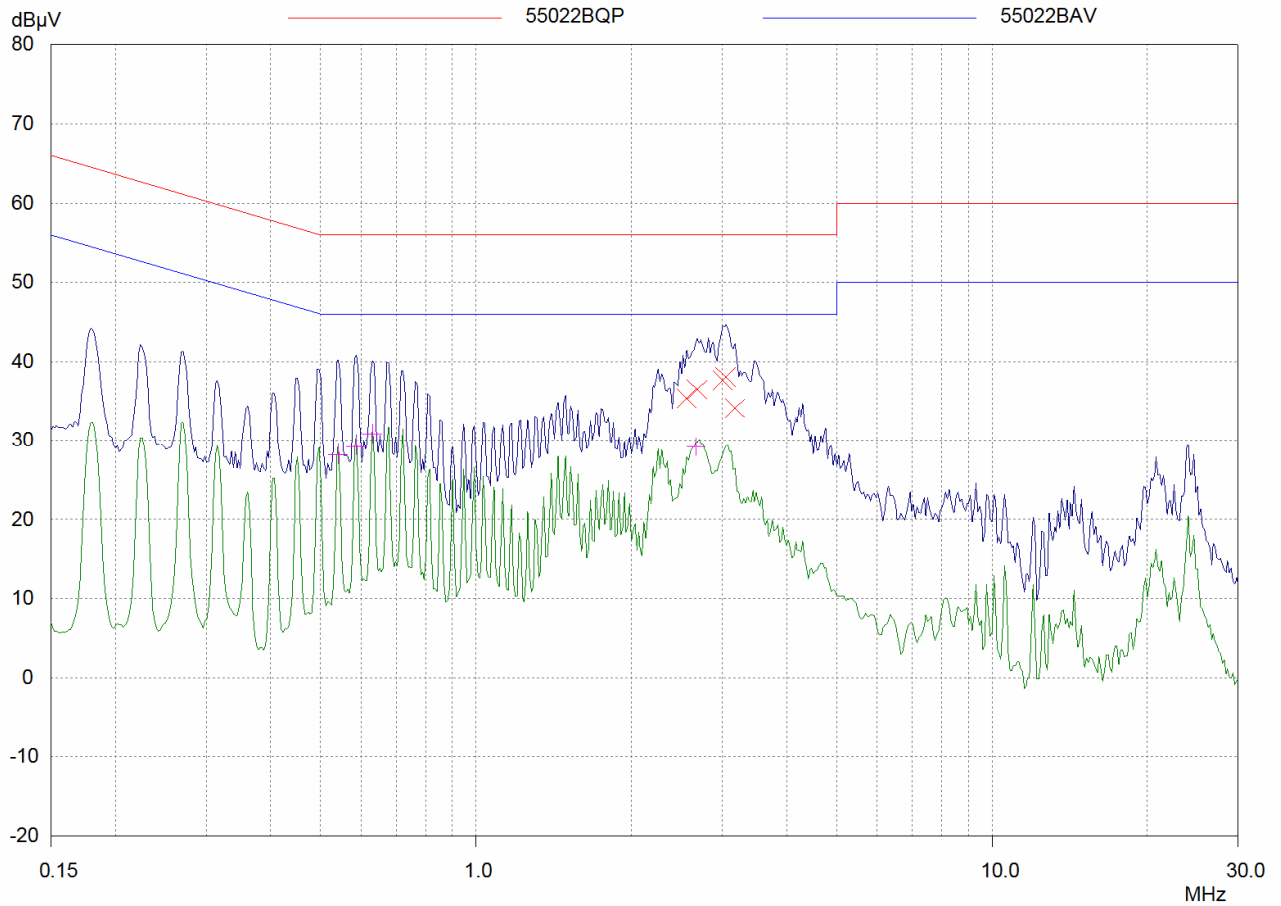
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 42 of 52

N Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
2.56882	35.34	58.00	20.66
2.88413	38.45	58.00	19.55
3.00089	37.82	58.00	18.38
3.04981	38.05	58.00	17.95
3.17303	34.11	58.00	21.89

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.54104	28.21	48.00	17.79
0.58592	29.23	48.00	16.77
0.62948	30.86	48.00	15.14
2.66282	28.20	48.00	16.80

SGS-CSTC Standards Technical Services Co., Ltd.

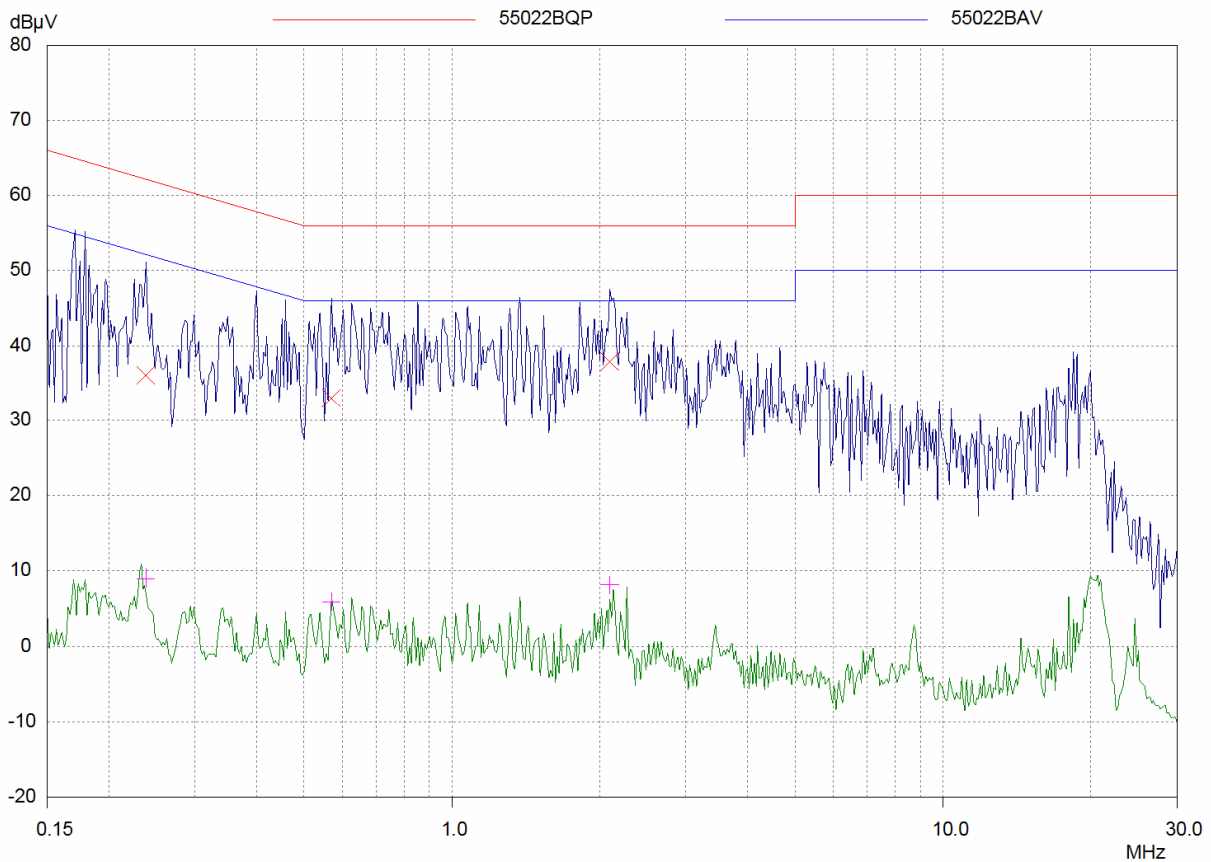
1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 43 of 52

PCS 1900 idle mode: (connected with T50002684AGAB power adapter of SCUD)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.23812	36.09	62.16	26.07
0.58754	32.94	58.00	25.06
2.06685	37.86	56.00	18.11

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.23812	8.99	52.16	43.17
0.58754	5.89	48.00	40.11
2.06685	8.06	46.00	37.91

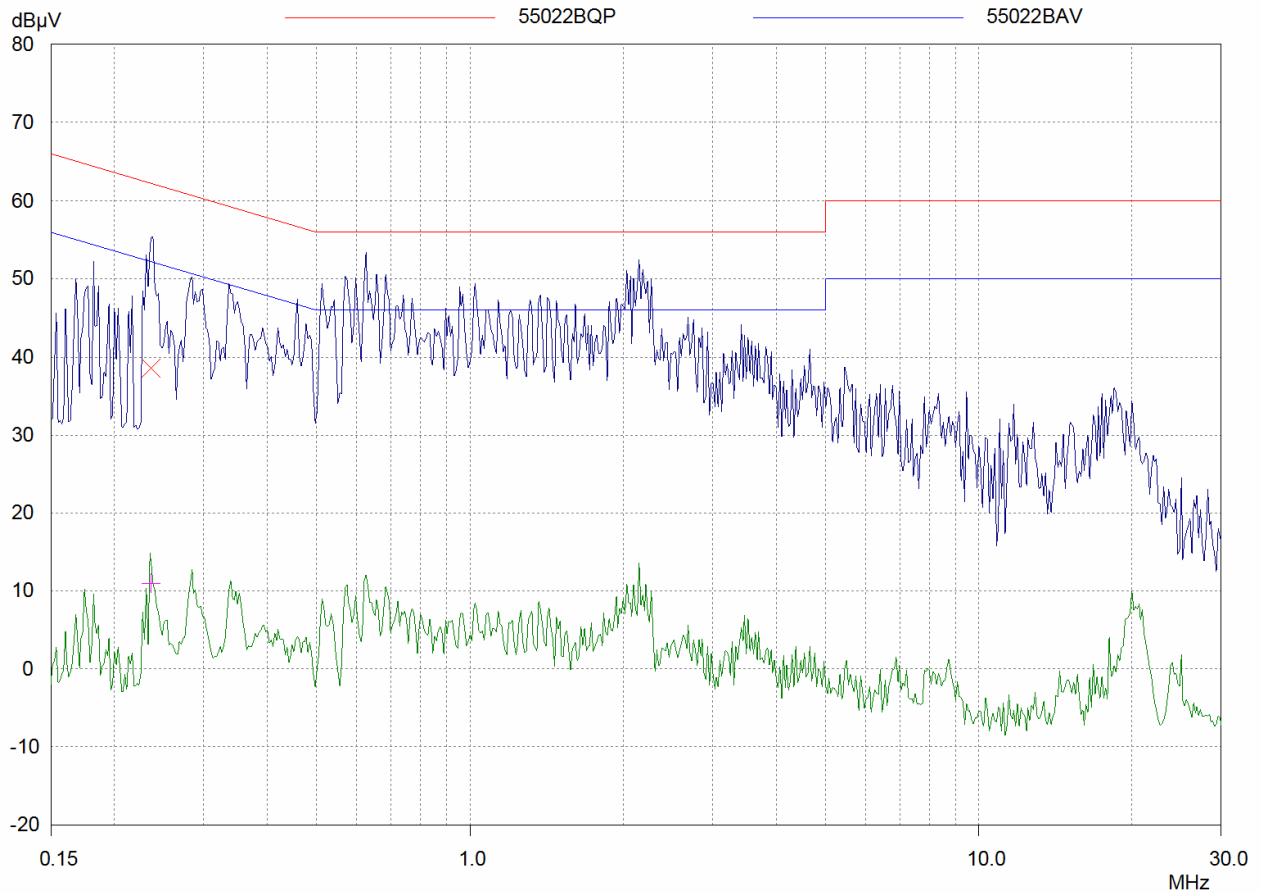
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 44 of 52

N Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.23623	38.56	62.23	23.67

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.23623	10.95	52.23	41.28

SGS-CSTC Standards Technical Services Co., Ltd.

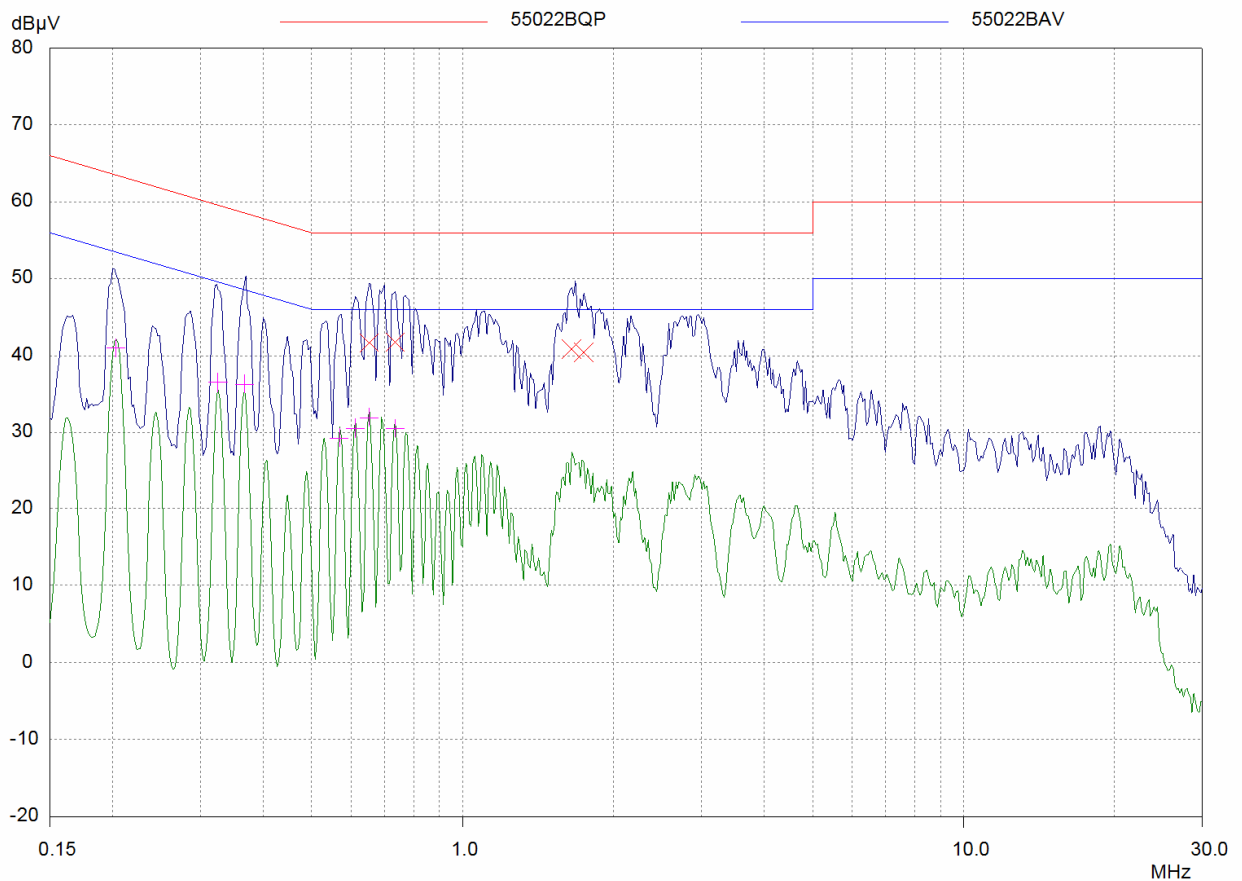
1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 45 of 52

PCS 1900 communication mode: (connected with T50002684AGAB power adapter of SCUD)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.64687	41.65	56.00	14.35
0.73238	41.73	56.00	14.27
1.65086	40.83	56.00	15.17
1.74556	40.42	56.00	15.58

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.20304	40.99	53.49	12.50
0.3249	36.50	49.58	13.08
0.38615	36.21	46.59	12.38
0.56754	29.23	46.00	16.77
0.60874	30.66	46.00	15.34
0.64687	31.90	46.00	14.10
0.73238	30.54	46.00	15.46

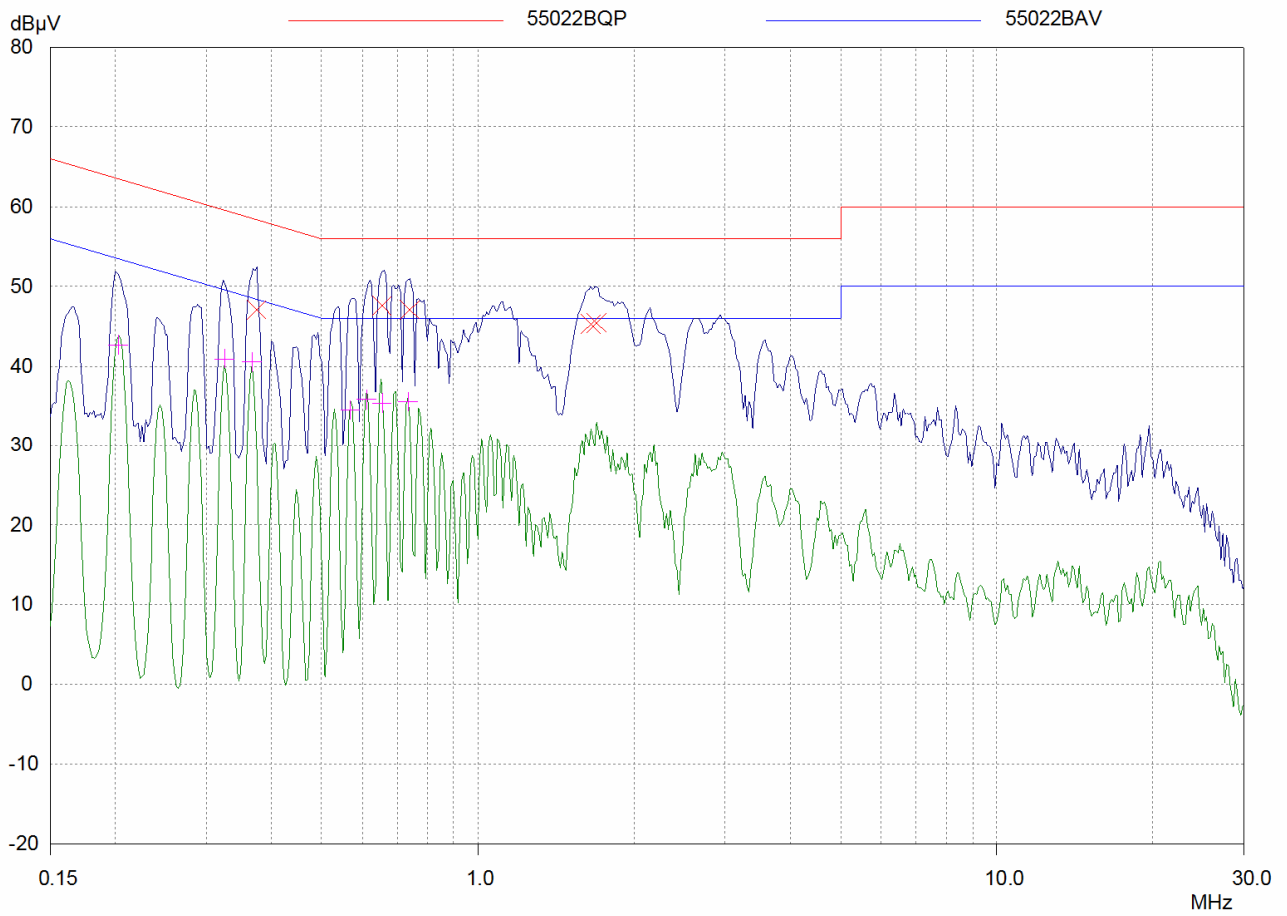
SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 46 of 52

N Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.37501	47.05	58.39	11.34
0.55507	47.58	58.00	8.44
0.73824	47.06	58.00	8.94
1.65088	45.28	58.00	10.74
1.8908	45.43	58.00	10.57

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.20304	42.64	53.49	10.85
0.3249	40.92	49.56	8.66
0.38815	40.47	48.59	8.12
0.56754	34.51	46.00	11.49
0.80974	35.79	46.00	10.21
0.65507	35.36	46.00	10.64
0.73238	35.52	46.00	10.48

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

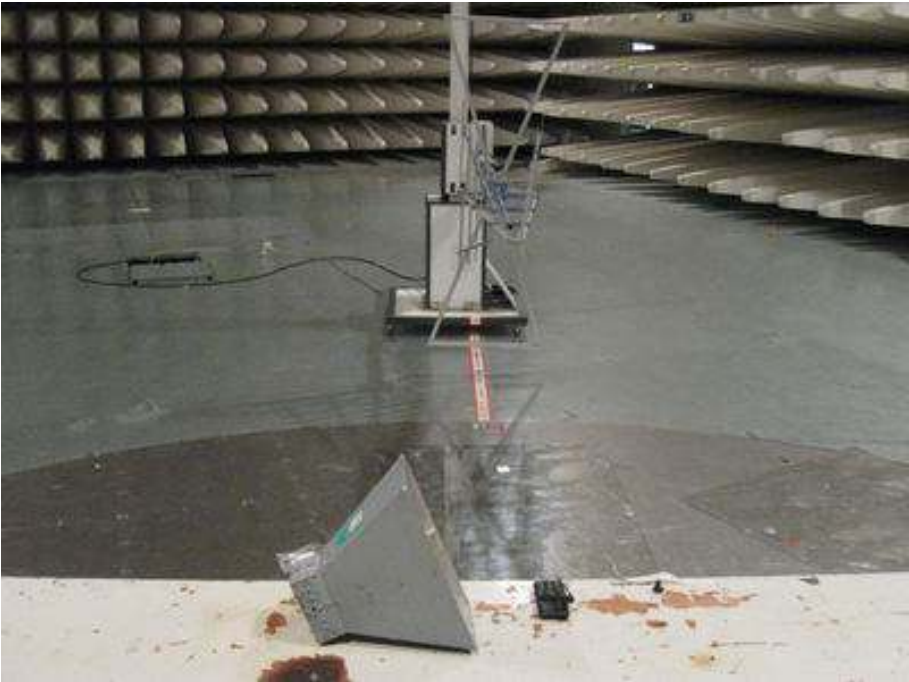
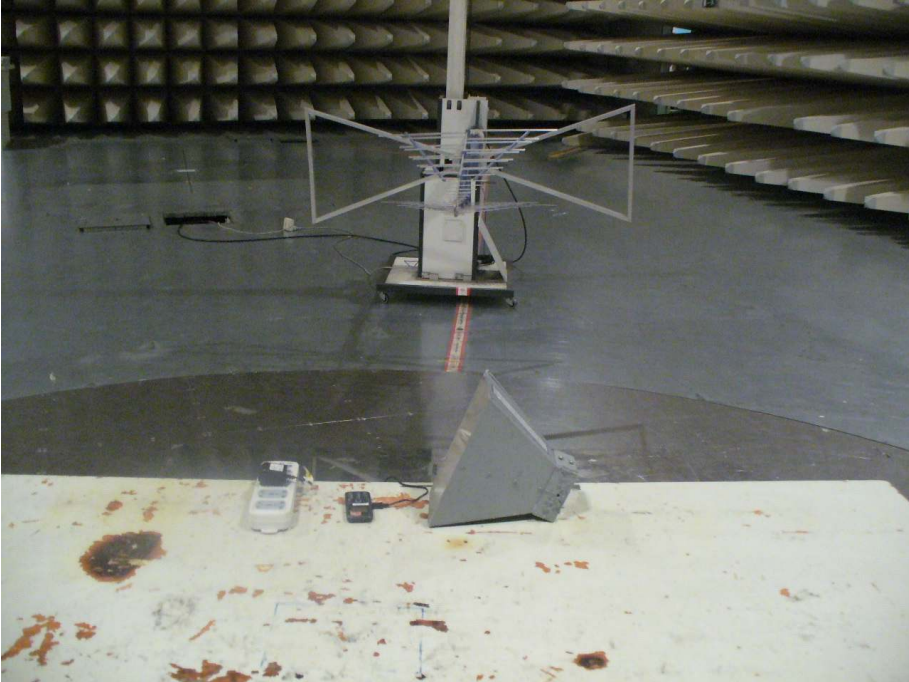
1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 47 of 52

7 EQUIPMENT UNDER TEST PICTURES

7.1.1 Radiated Emission Test Setup



SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 48 of 52

7.1.2 Conductet Emission Test Setup



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

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 49 of 52

7.1.3 EUT Constructional Details



SGS-CSTC Standards Technical Services Co., Ltd.

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 50 of 52



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

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMO080400013TL
Page 51 of 52



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

1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

Telephone: +86 (0) 21 6140 2666
Fax: +86 (0) 21 5450 0954
Tino.Pan@sgs.com

Report No.: SHEMA080400013TL
Page 52 of 52



THE END OF REPORT