

**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

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FCC TEST REPORT(DOC)

Application No.: SHEMO060400274IT

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.: C62Ca
Marketing Name: OT-E205a
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: 18 April 2006

Date of Test: 20 April 2006 to 19 October 2006

Date of Issue: 23 October 2006

Test Result :	PASS
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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.

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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

Note: OT-E205a has seven power adaptors (ASTEC: 3DS09371AGAA, 3DS09371AAAA , LEADER: 3DS09371AGAA, 3DS09371AAAA , Primax: 3DS07848AAAA, Tenpao: 3DS10628AGAA, SDS10628AHAA) and one earphone. The client declared the adapters of Tenpao: 3DS10628AGAA, SDS10628AHAA are the same in electric diagram, so we just have 3DS10628AGAA tested.

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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.: C62Ca
Marketing Name: OT-E205a
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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Power Supply05: DC to DC charger (Model NO: 3DS07848AAAA Input: DC 12V/24V Output: DC 4.5V)
Manufactures: Primax

Power Cord05: 2.64m

Power Supply06: AC to DC charger (Model NO: 3DS10628AGAA Input: AC 100V-240V~, 50/60Hz 100mA Output: DC 4.5V, 0.35A)
Manufactures: Tenpao

Power Cord06: 2m

Power Supply07: AC to DC charger (Model NO: 3DS10628AHAA Input: AC 100V-240V~, 50/60Hz 100mA Output: DC 4.5V, 0.35A)
Manufactures: Tenpao

Power Cord07: 2m

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

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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

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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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	10*12*6.5m SAC	Fronkonia	NA	NA	2006.07.28	2007.07.27
1	HORN ANTENNA	R&S	HF 906	100023	2006.07.24	2007.07.23
2	BROADBAND ANTENNA	R&S	HL 562	100019	2006.10.10	2007.10.09
3	EMI TEST RECEIVER	R&S	ESI 26	838786/011	2006.08.13	2007.08.13
4	UNIVERSAL RADIO COMMUNICATION TESTER	R&S	CMU 200	SHEM04-1	2006.09.01	2007.08.31

Conducted Emission						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal.Due date
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

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Date
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

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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:	13 May 2006 to 19 October 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)

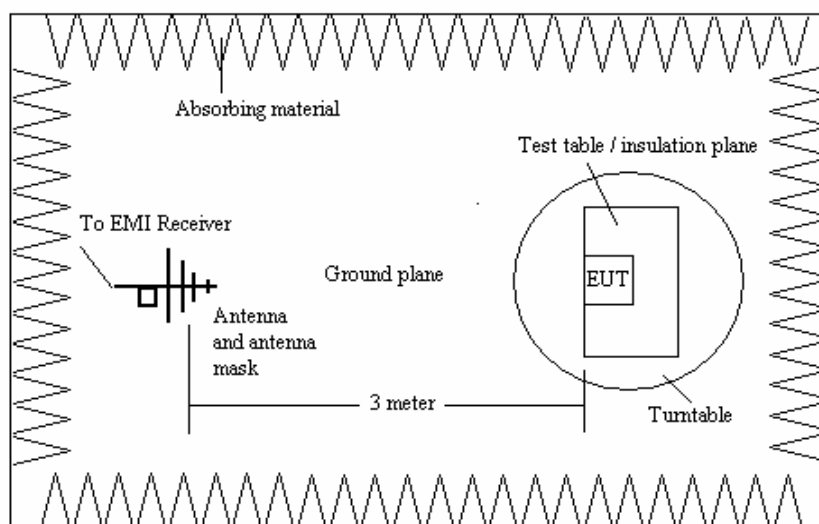
6.1.1 E.U.T. Operation

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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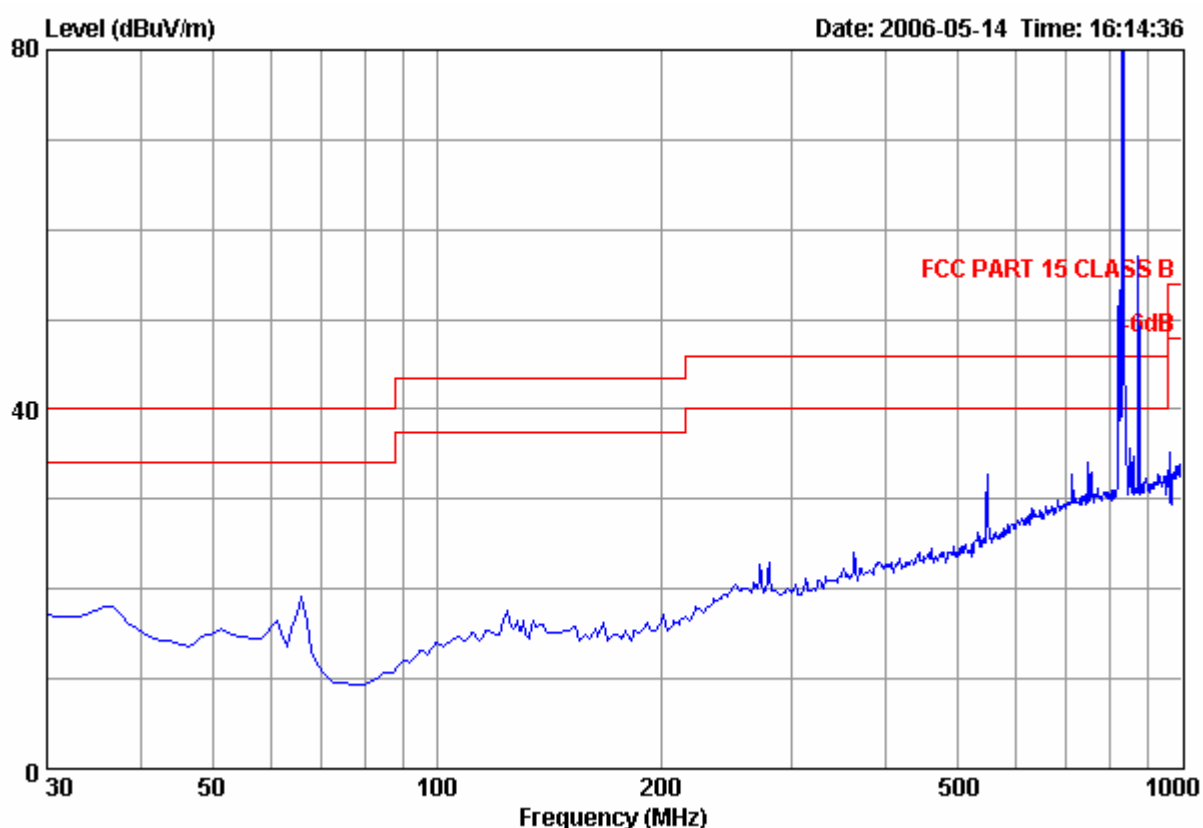
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6.1.3 Test Result:

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.

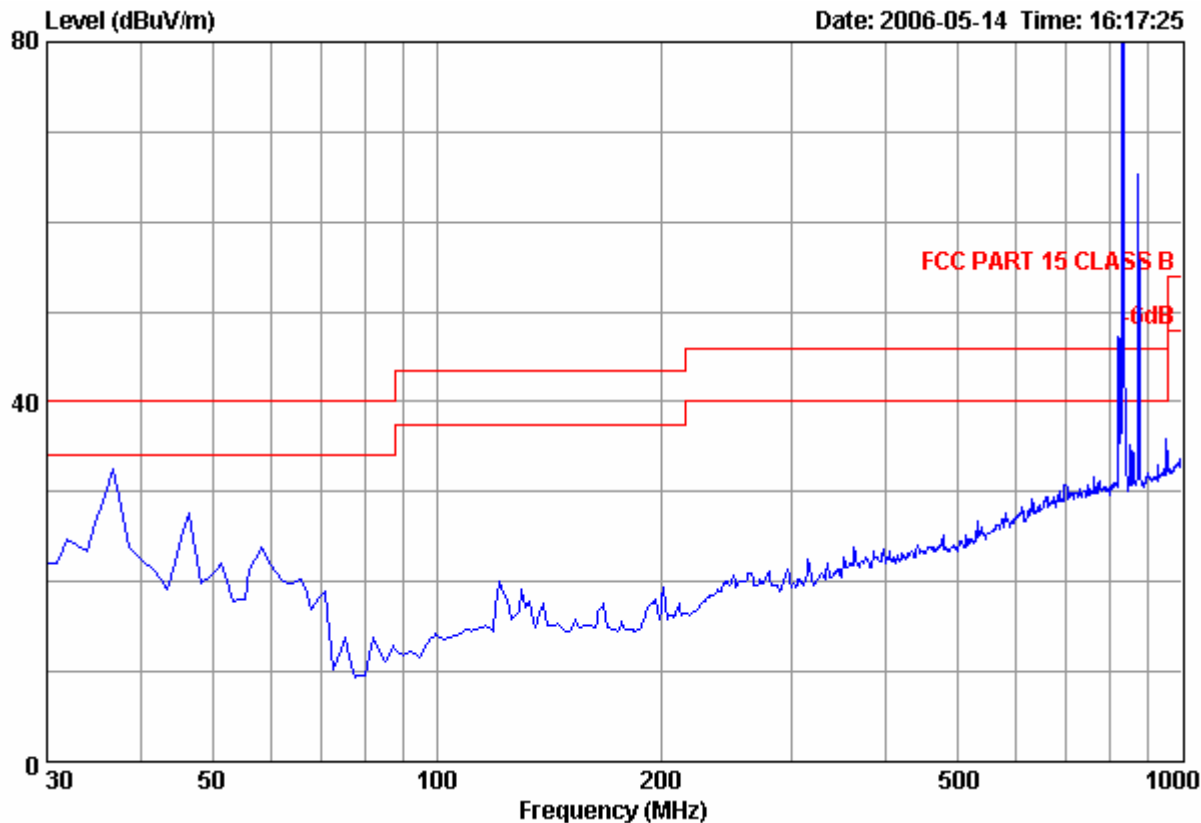
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Vertical:



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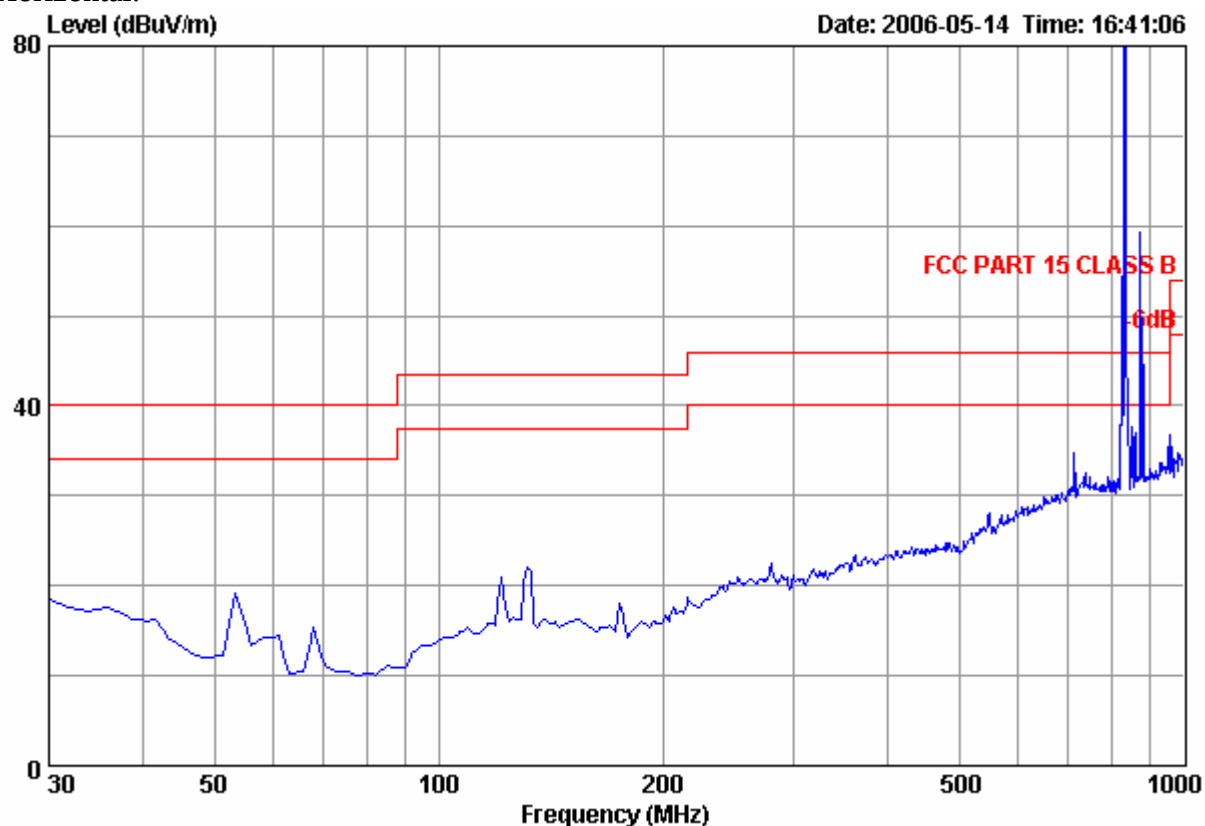
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GSM 850 connected: (test Mobile with 3DS09371AGAA of Astec power adaptor and headset.)

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.

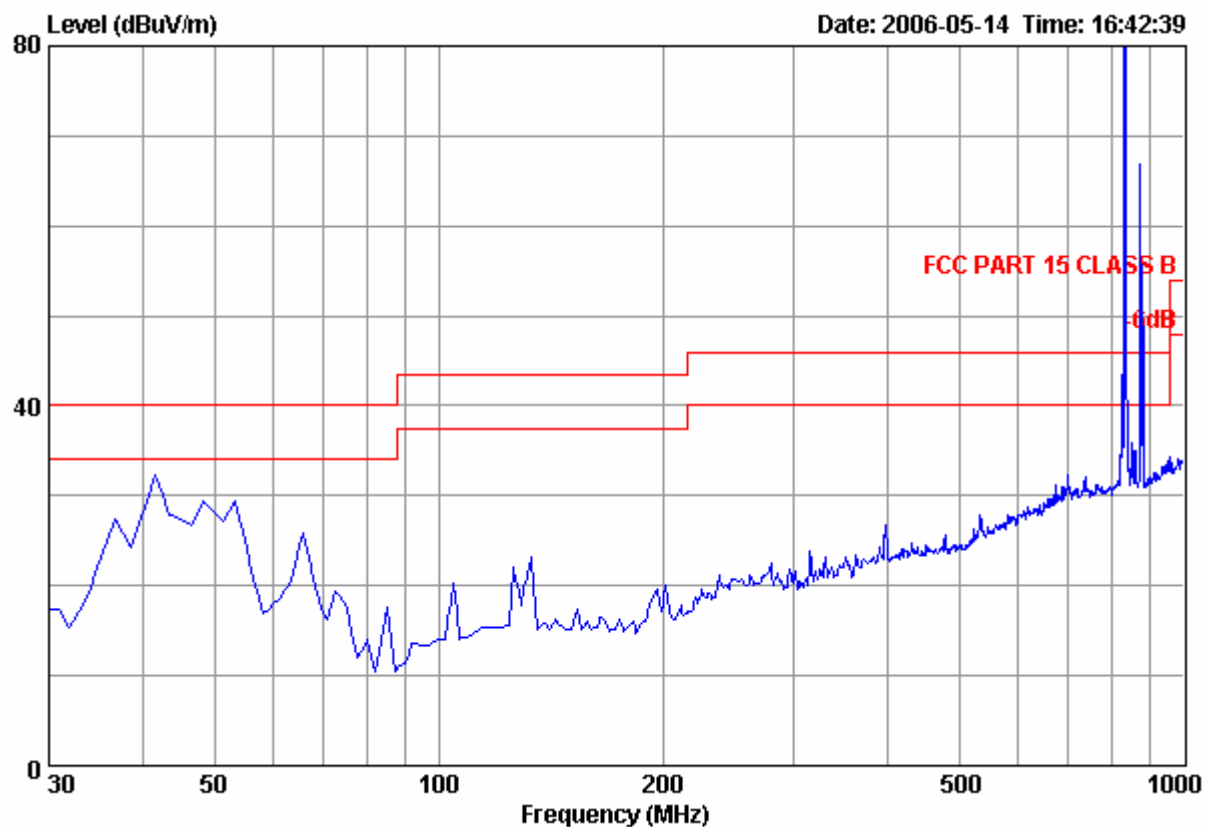
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Vertical:



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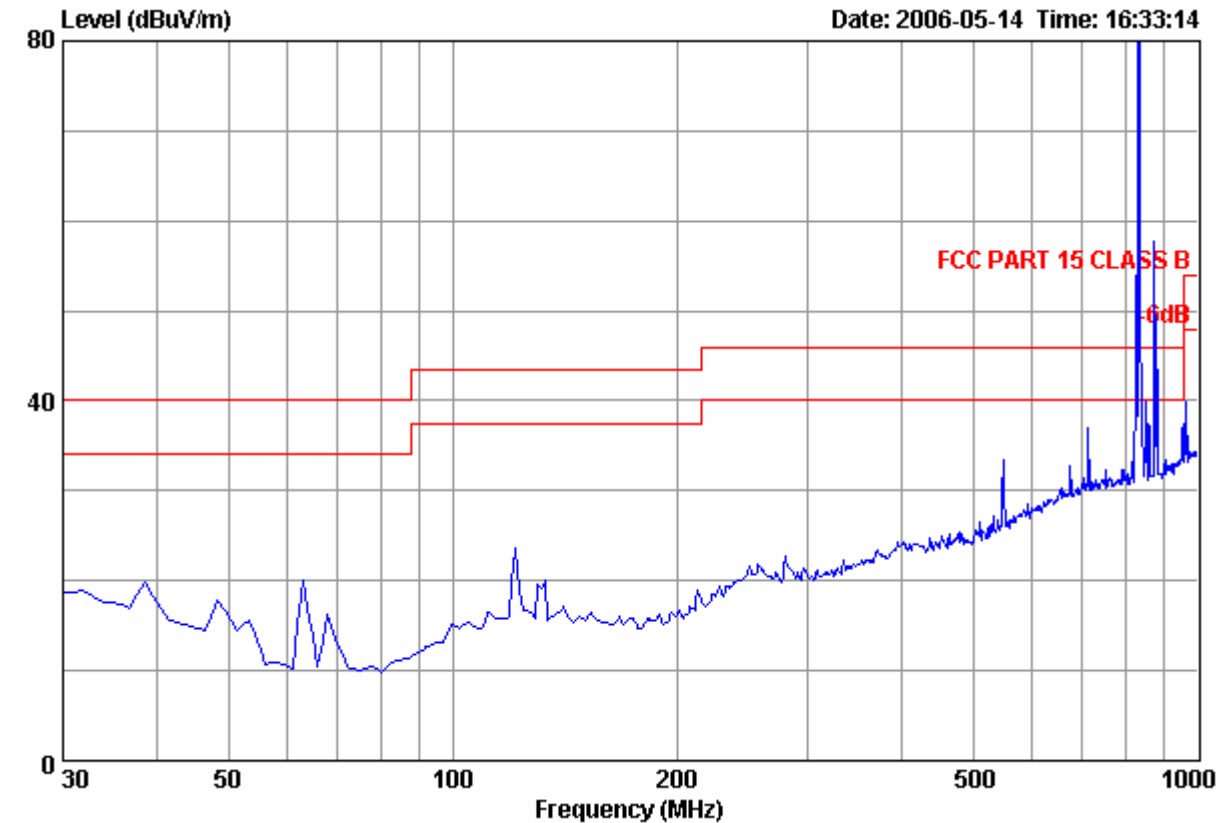
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GSM 850 connected: (test Mobile with 3DS09371AAAA of Astec power adaptor and headset.)

Horizontal:



b

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.

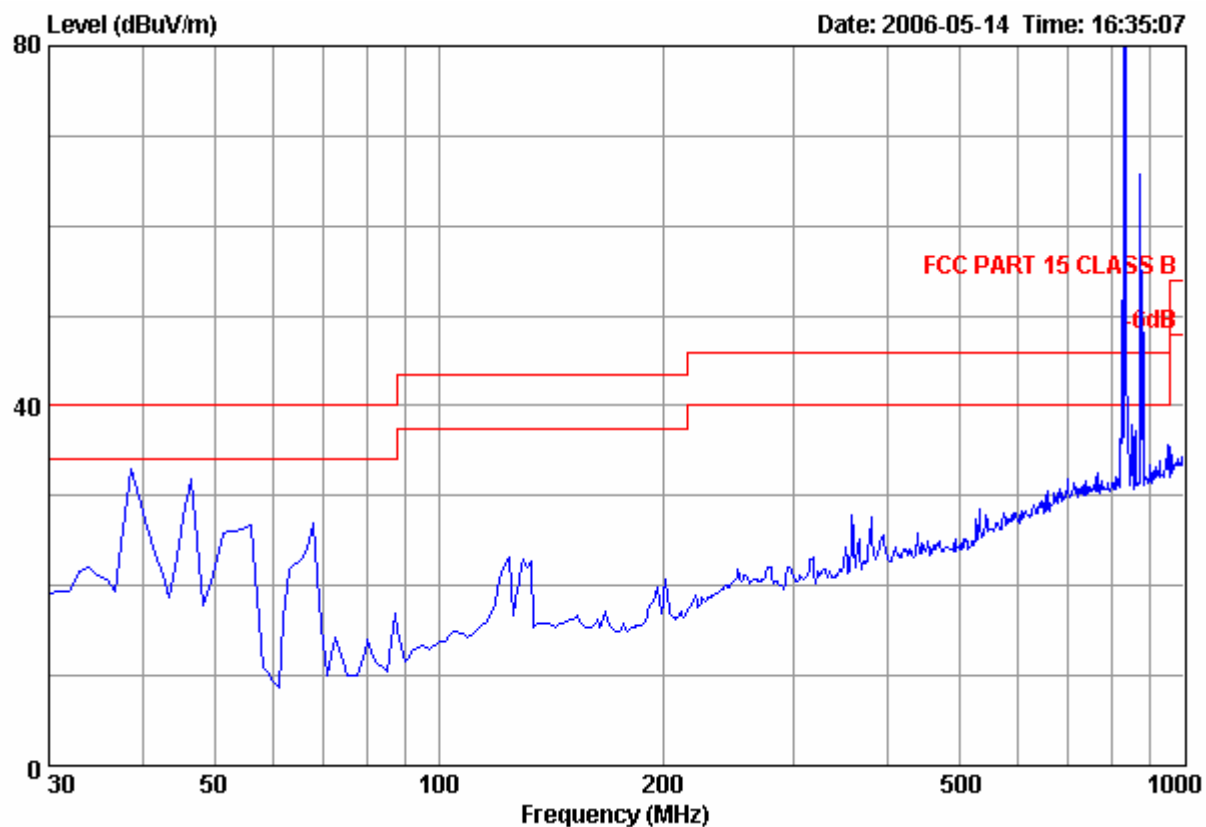
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Vertical:



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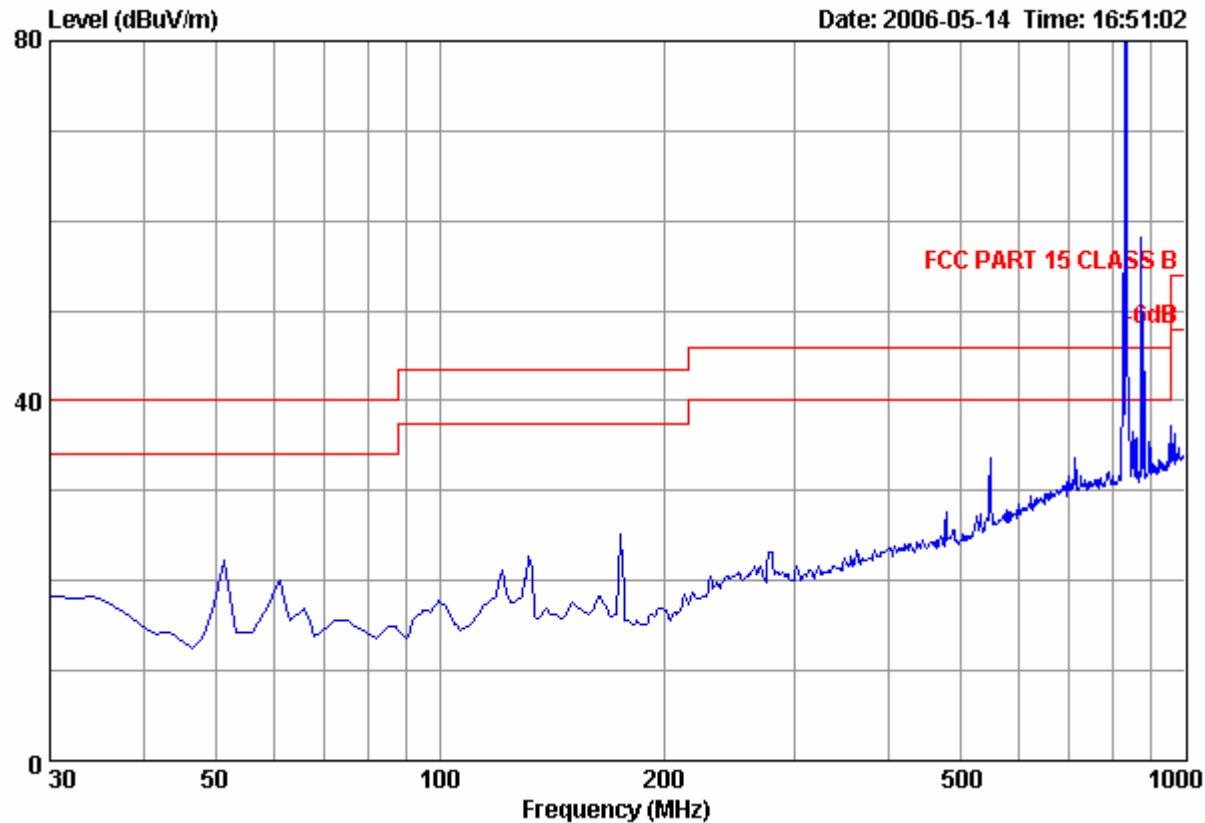
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GSM 850 connected: (test Mobile with 3DS09371AAAA of Leader power adaptor and headset.)

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.

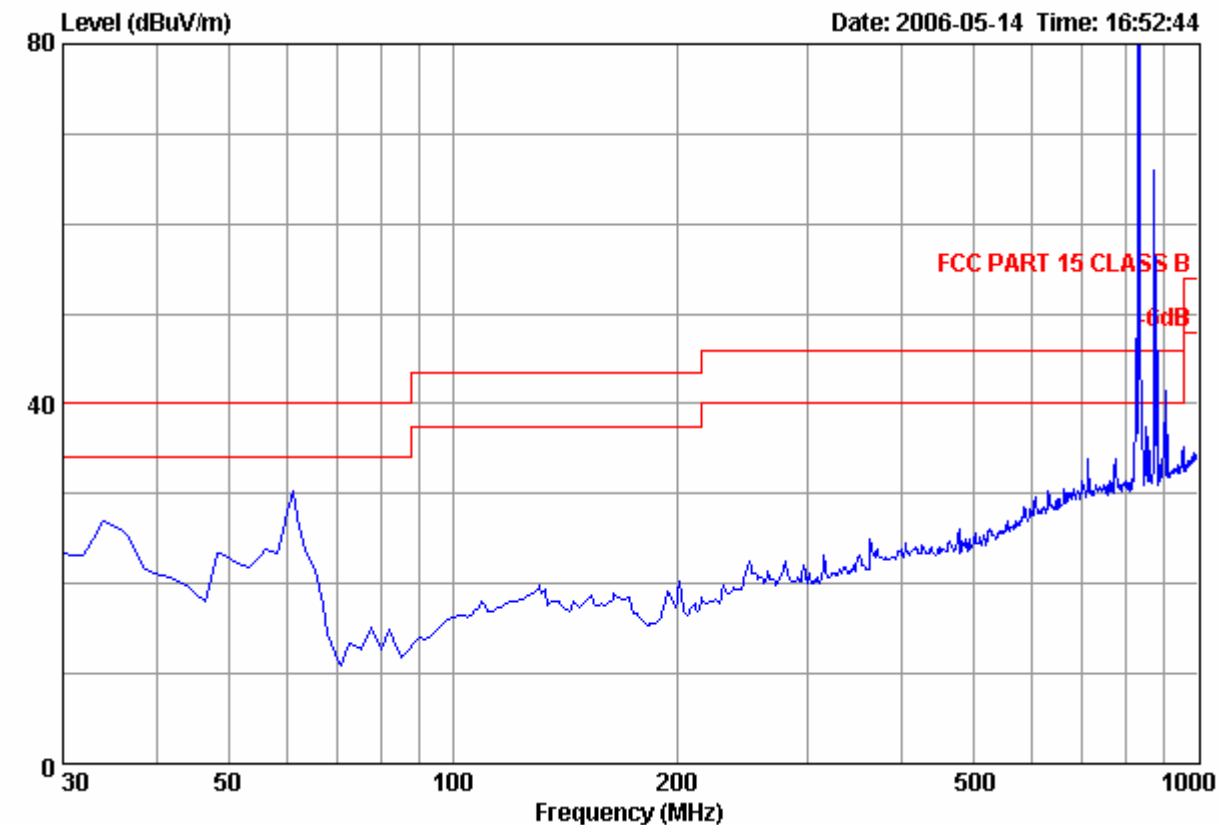
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Vertical:



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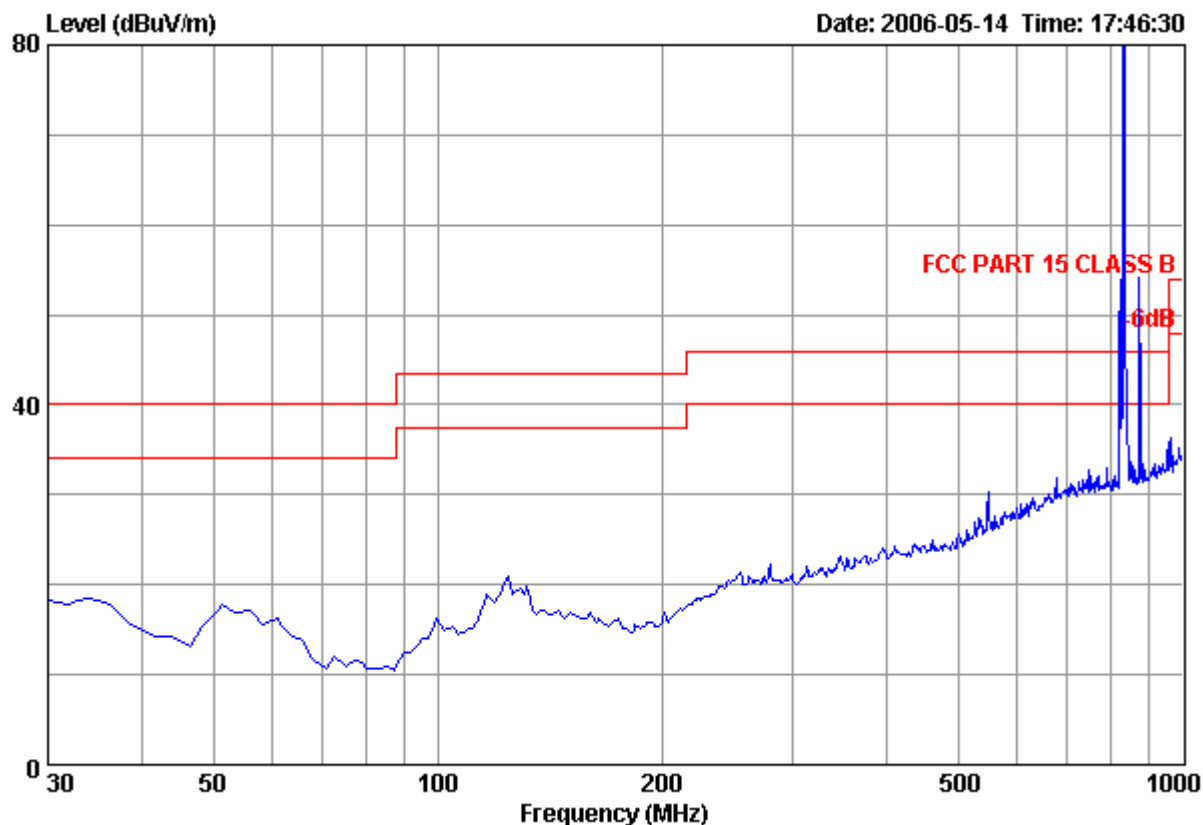
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GSM 850 connected: (test Mobile with 3DS07848AAAA of Primax power adaptor and headset.)

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.

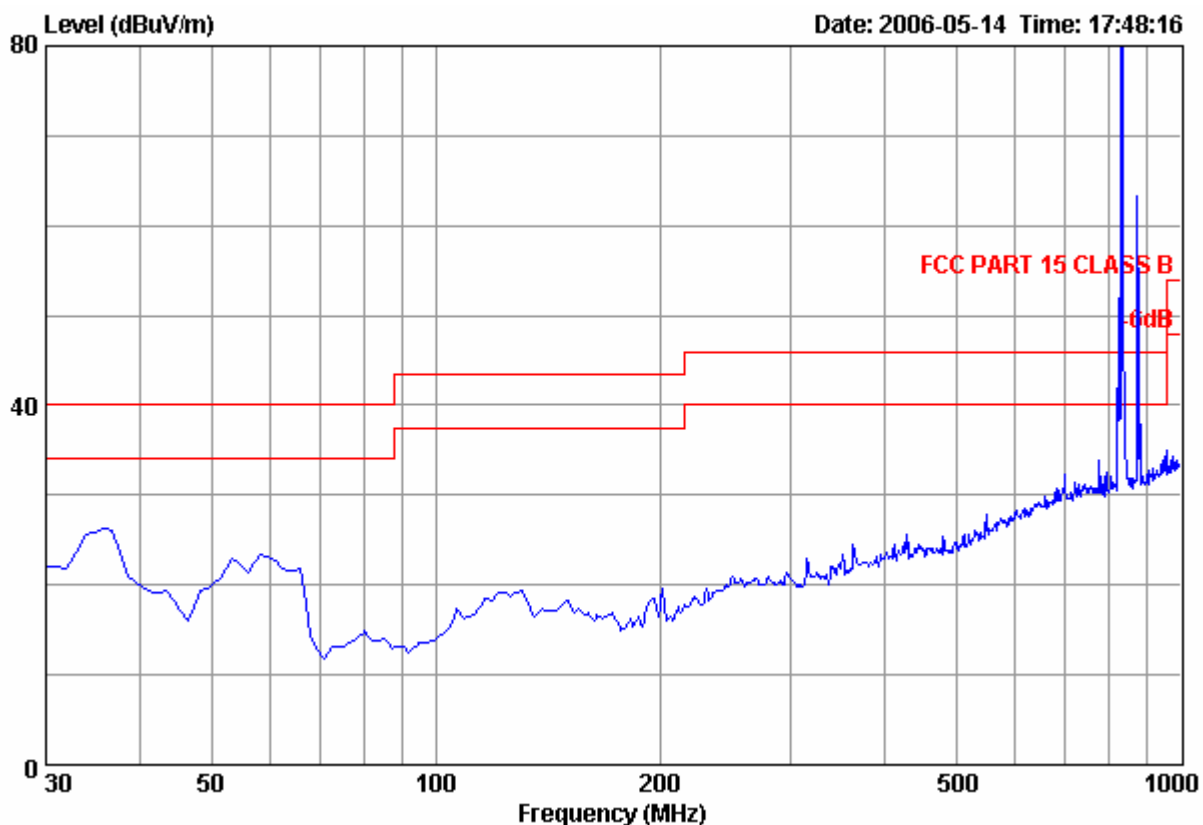
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Vertical:



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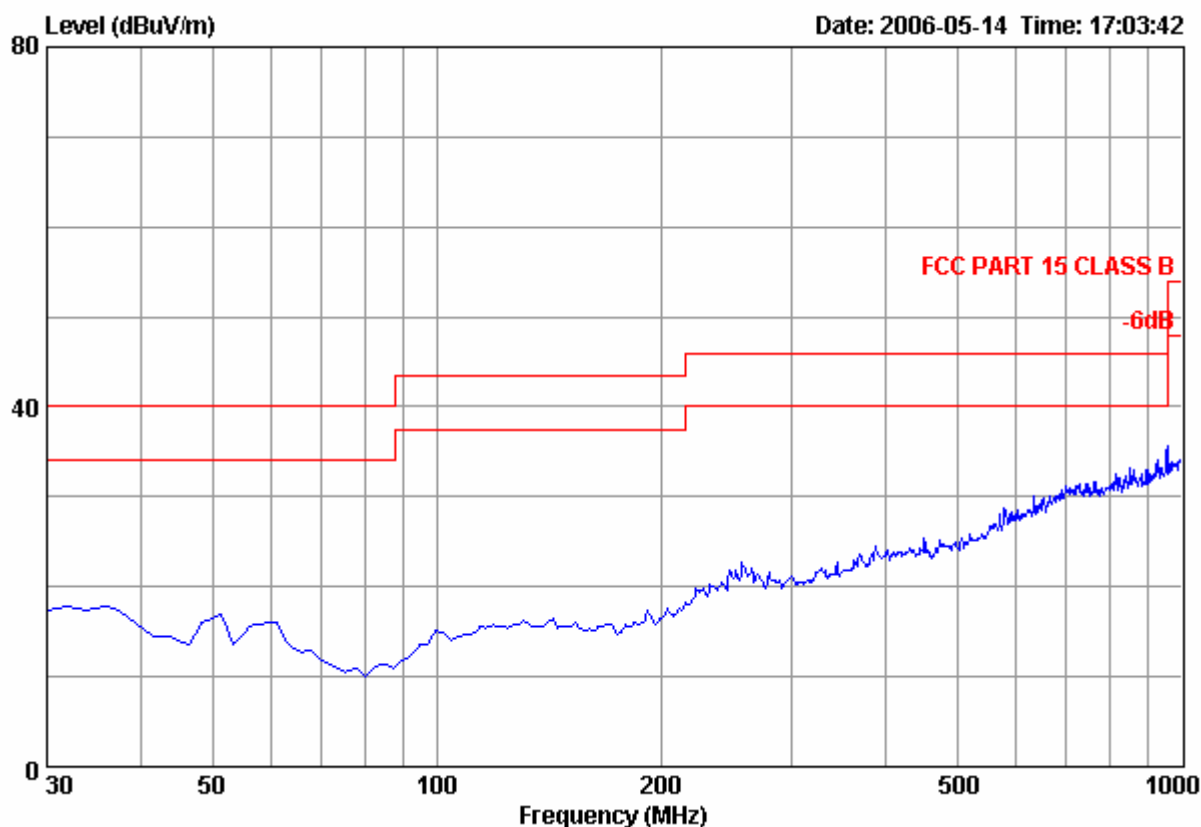
1/F, 7/F, 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

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Fax: +86 (0) 21 5450 0954
Tino_Pan@sgs.com

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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.

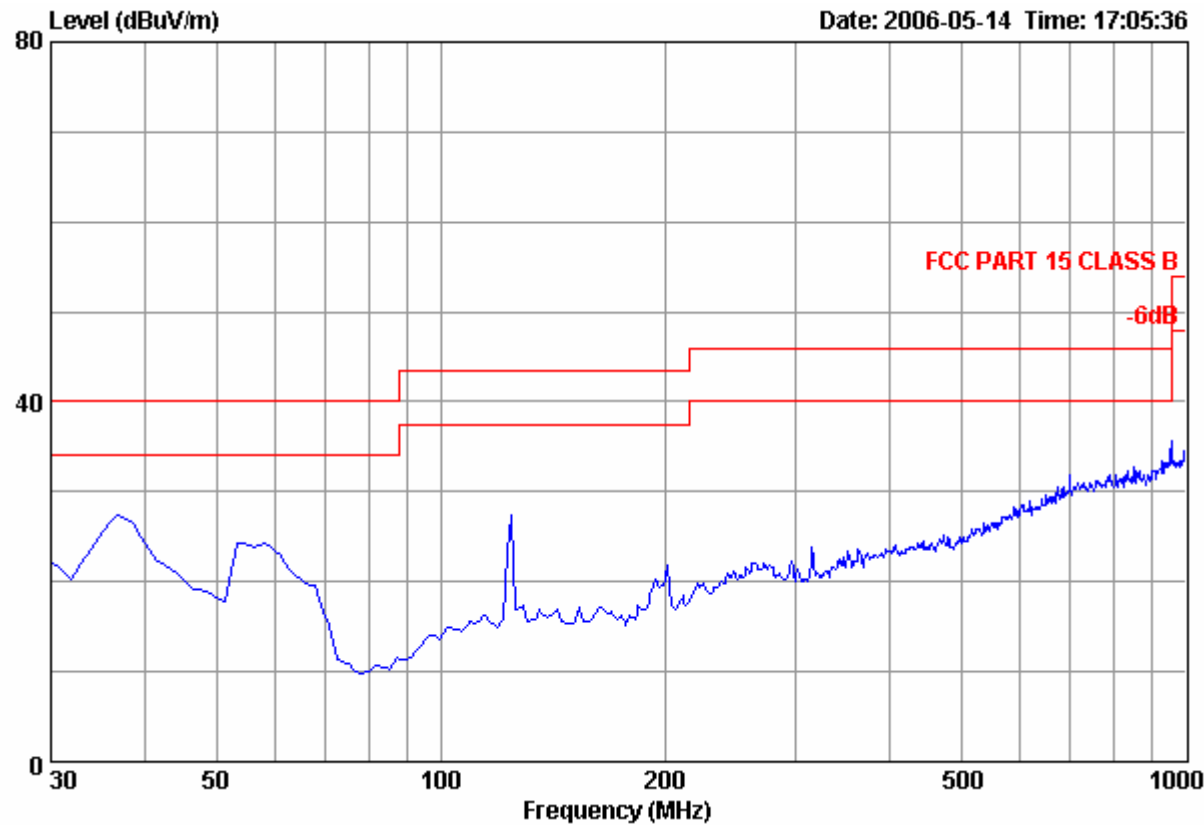
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Fax: +86 (0) 21 5450 0954
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Vertical:



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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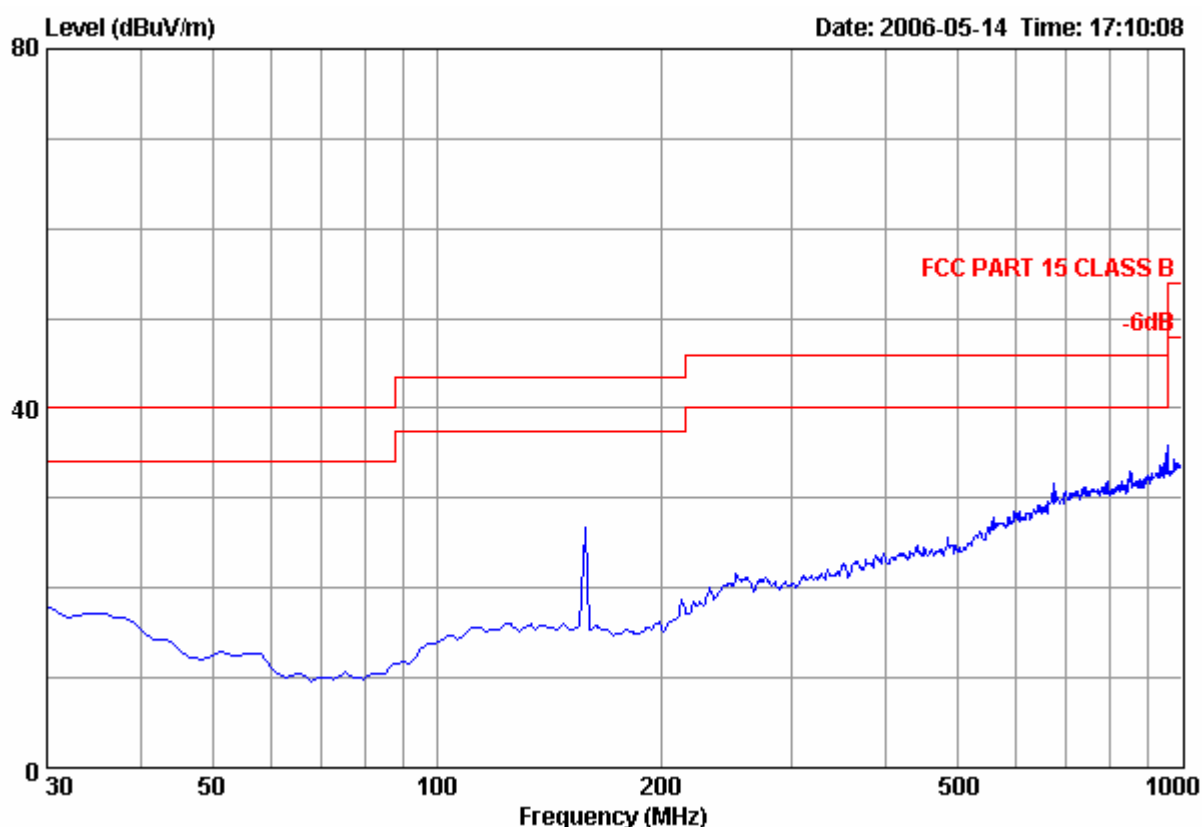
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Yishan Road, Xuhui District, Shanghai, China

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

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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.

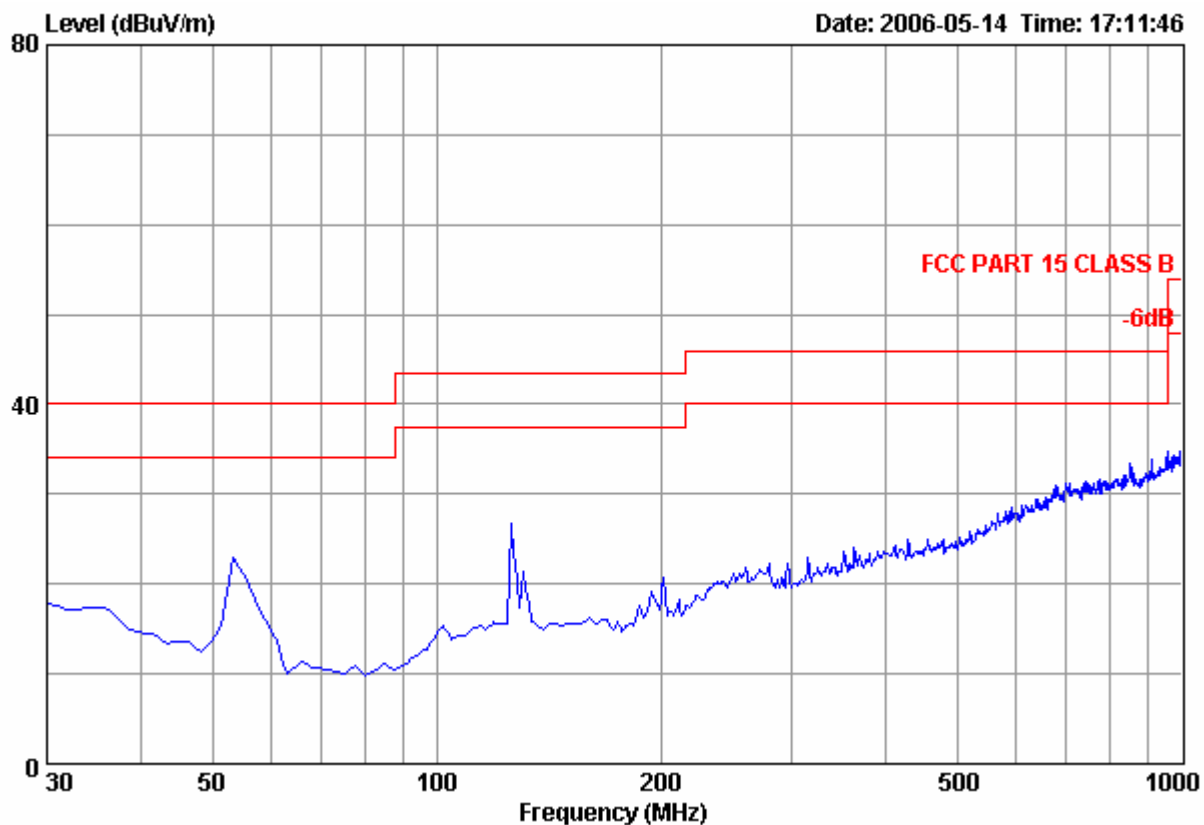
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Fax: +86 (0) 21 5450 0954
Tino_Pan@sgs.com

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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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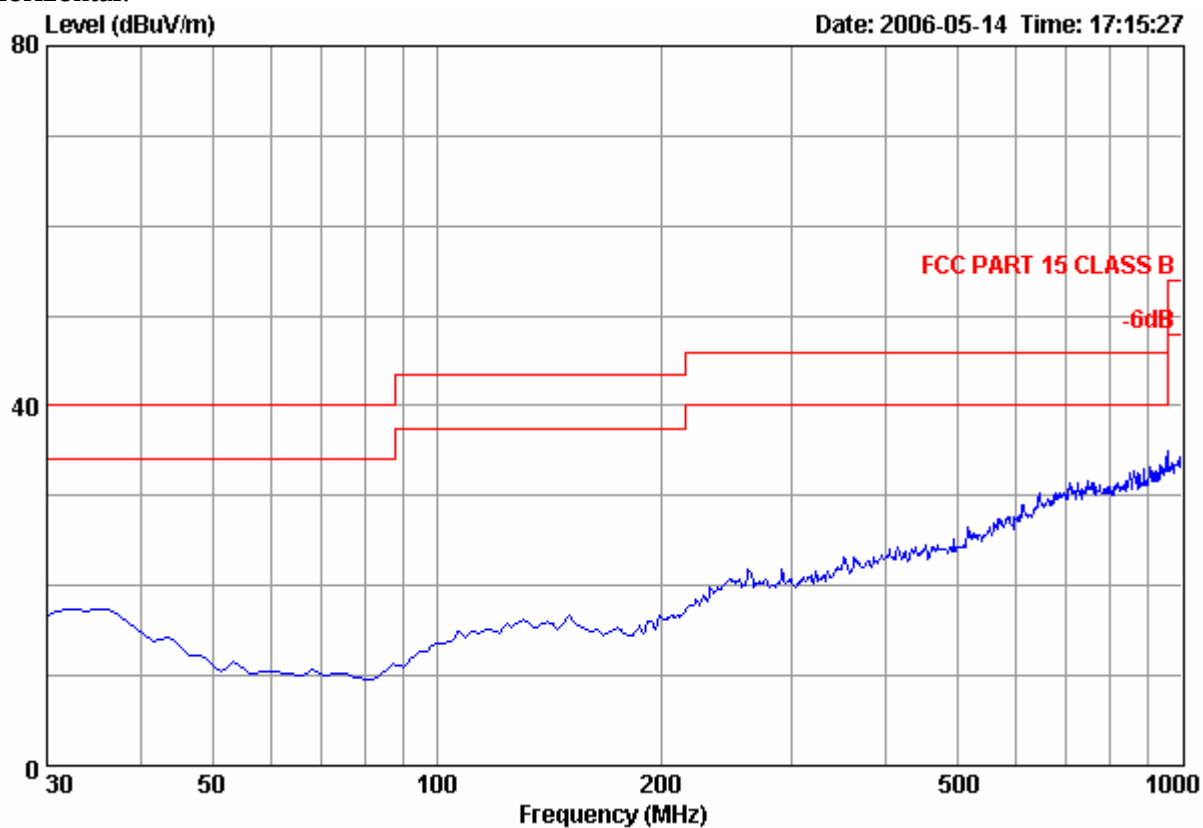
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Fax: +86 (0) 21 5450 0954
Tino_Pan@sgs.com

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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.

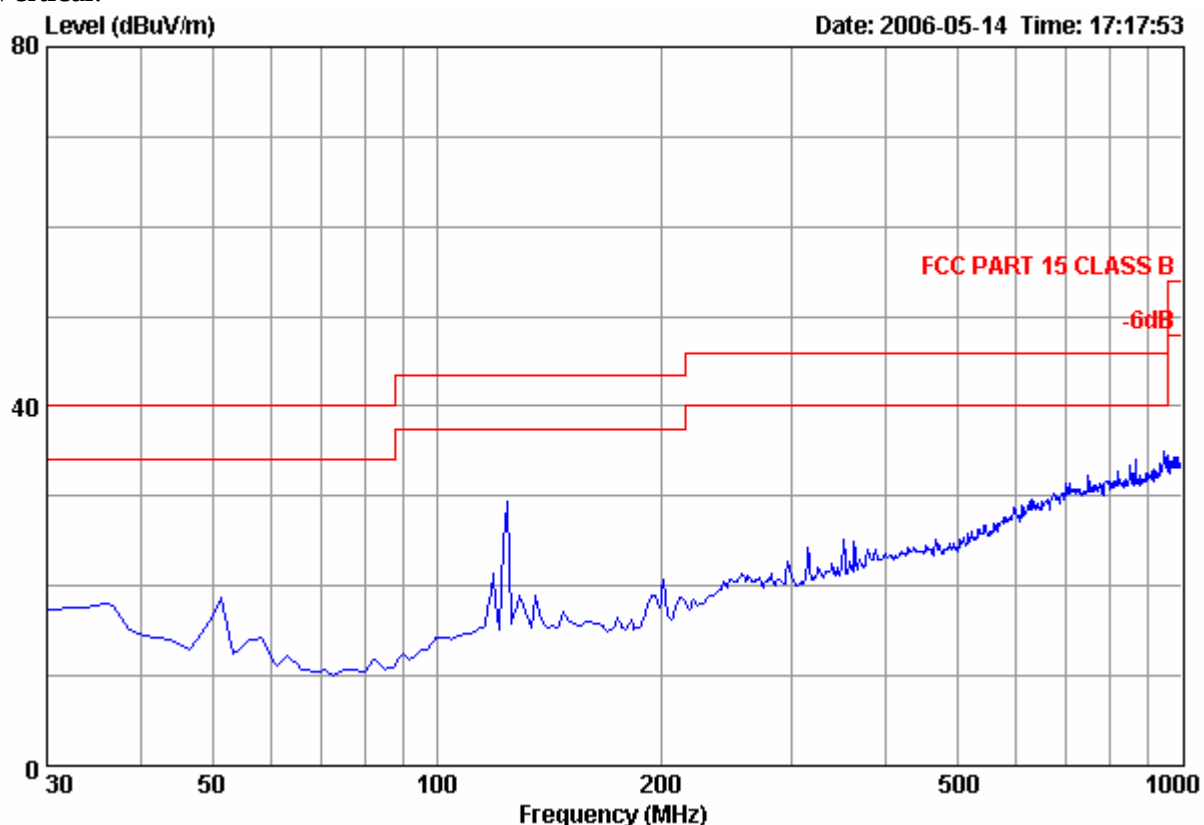
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Yishan Road, Xuhui District, Shanghai, China

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Fax: +86 (0) 21 5450 0954
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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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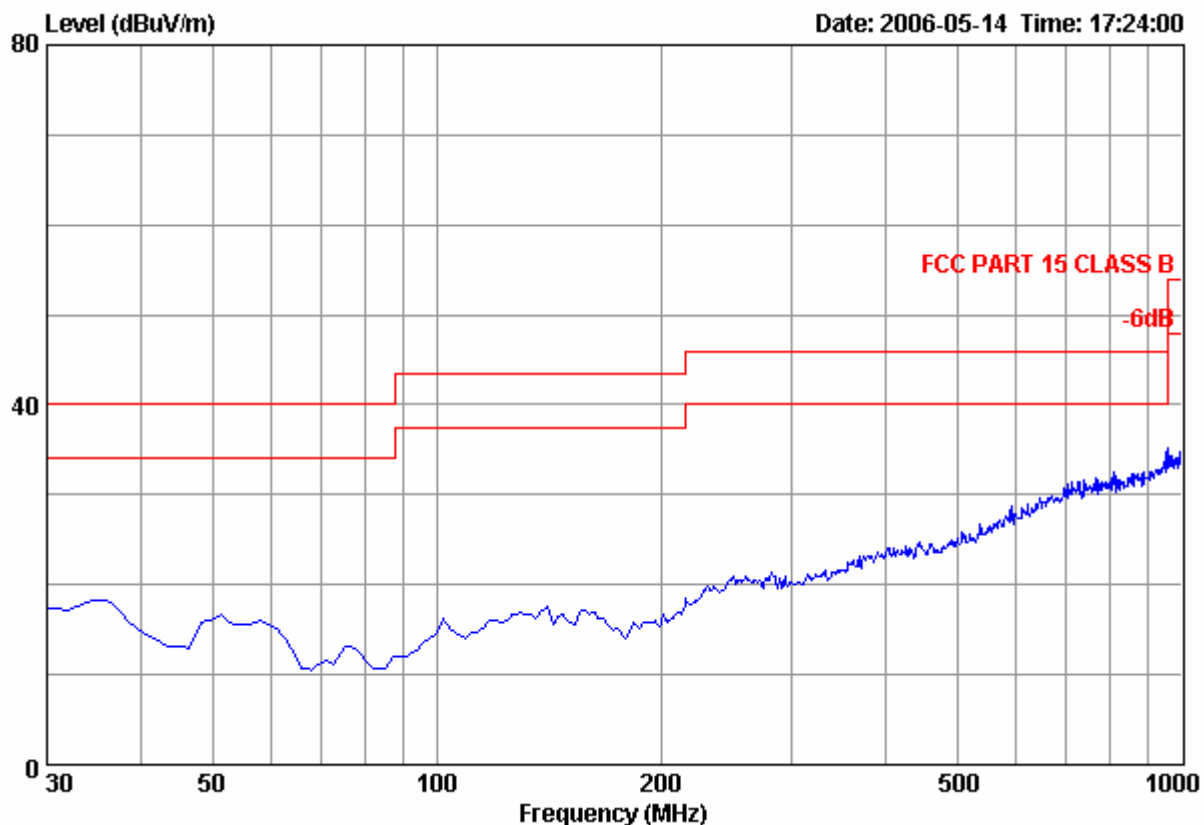
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Yishan Road, Xuhui District, Shanghai, China

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Fax: +86 (0) 21 5450 0954
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PCS 1900 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.

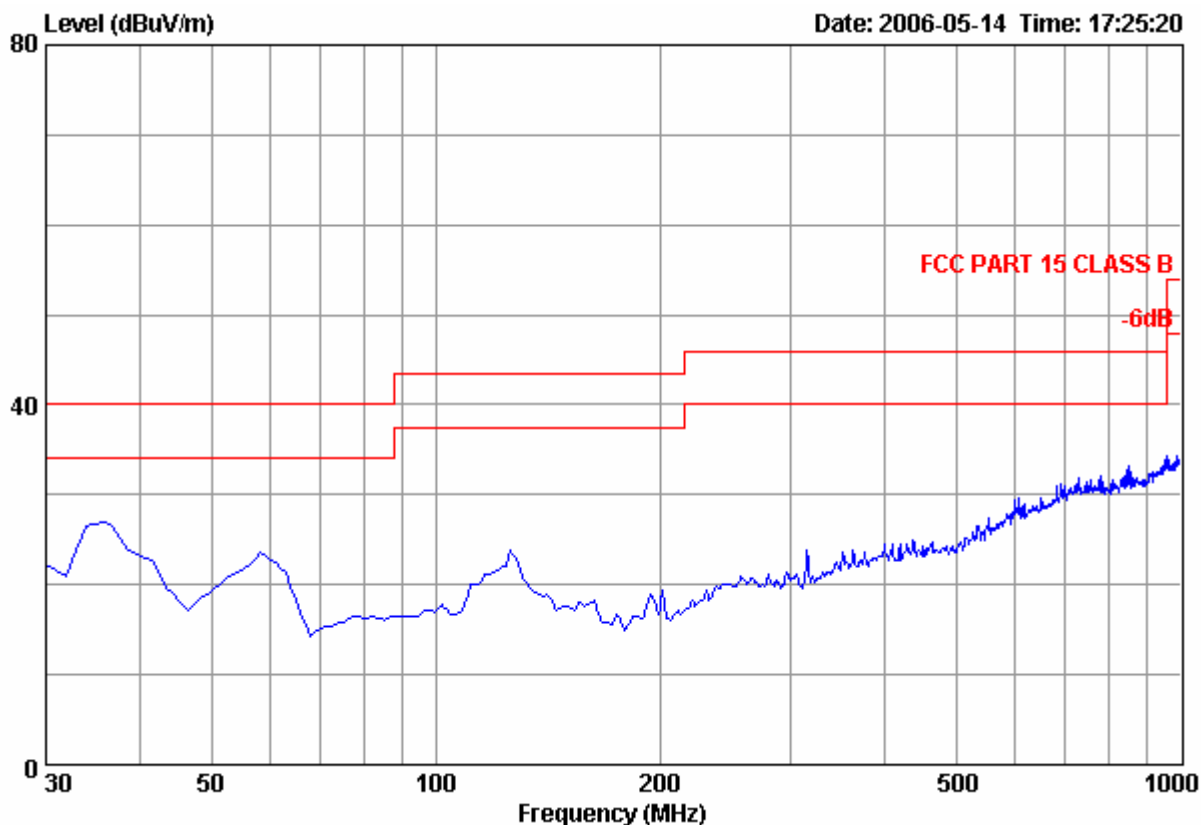
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Yishan Road, Xuhui District, Shanghai, China

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Fax: +86 (0) 21 5450 0954
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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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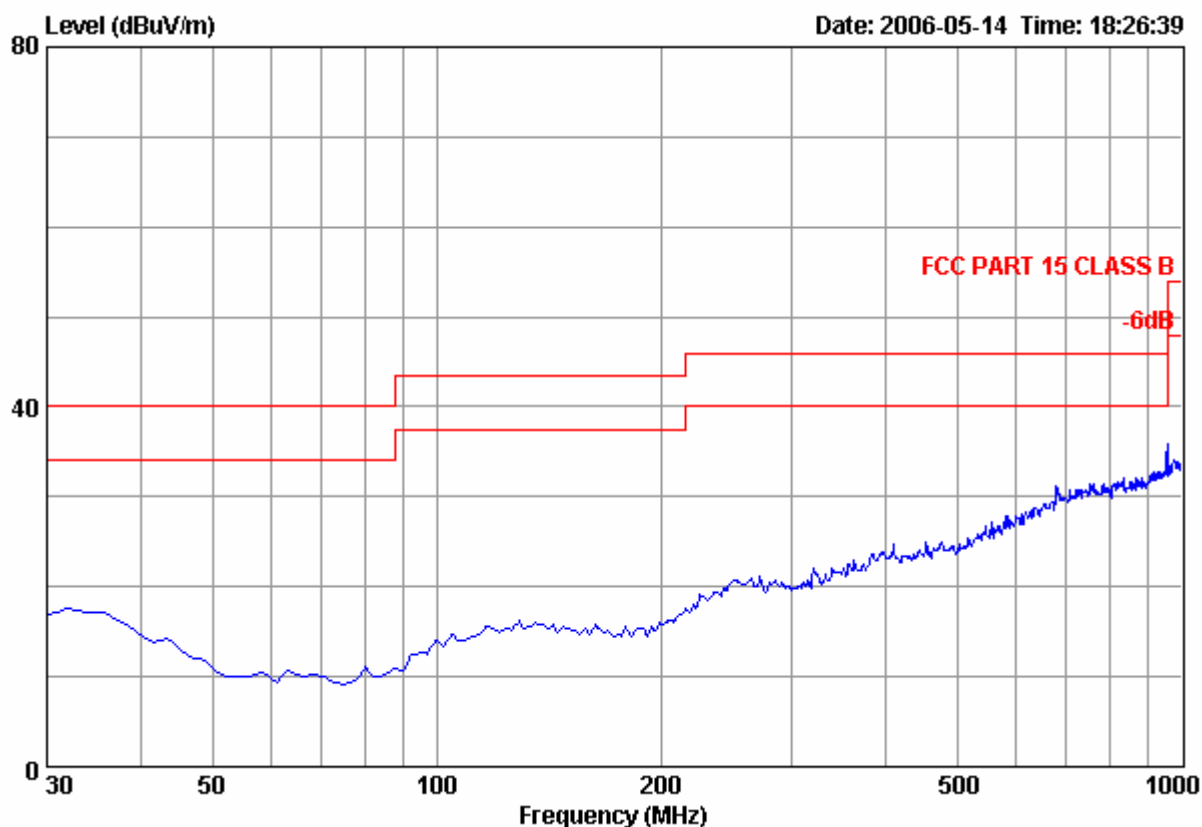
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PCS 1900 connected: (test Mobile with 3DS07848AAAA of Primax power adaptor and headset.)

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.

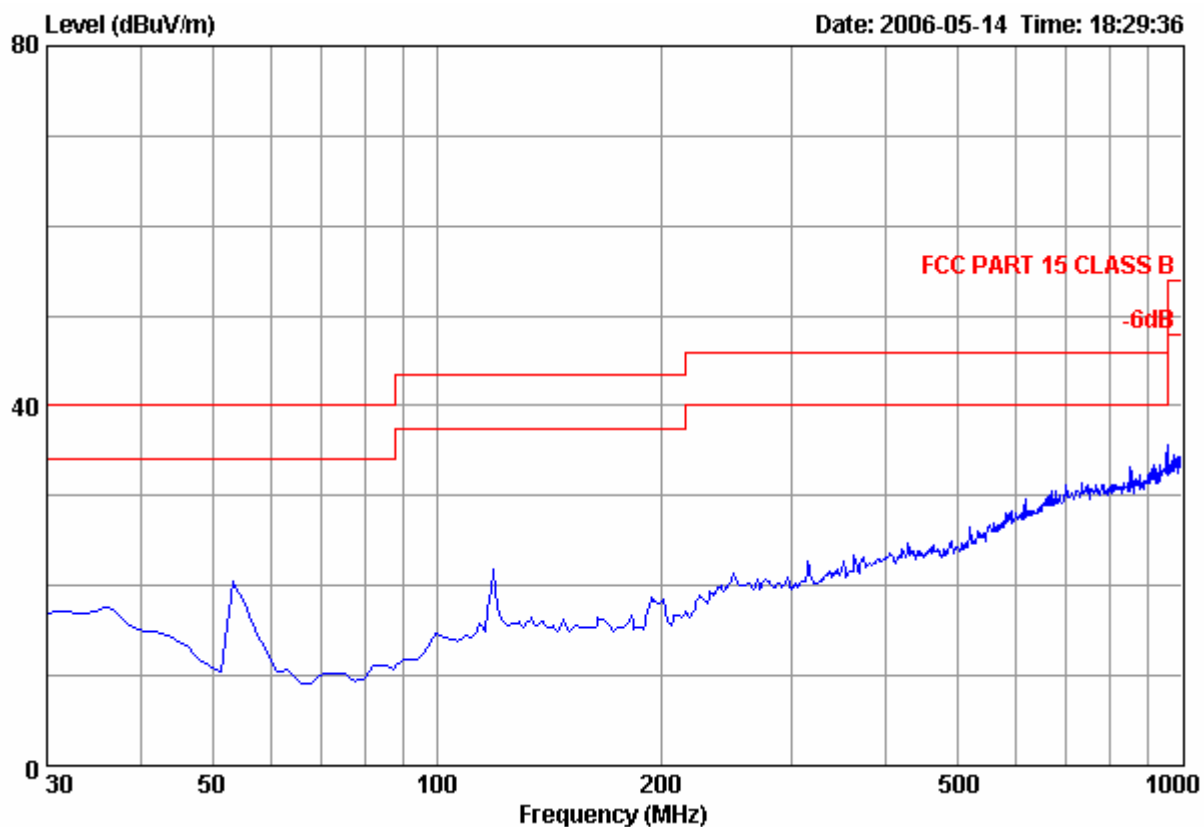
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Vertical:



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.

32.327375	30.39	300.0	90.00	HORIZONTAL
76.653307	13.76	300.0	180.00	HORIZONTAL
115.531062	8.47	400.0	90.00	HORIZONTAL
346.853707	12.42	200.0	270.00	HORIZONTAL
455.711423	19.08	200.0	180.00	HORIZONTAL
681.202405	23.02	400.0	180.00	HORIZONTAL

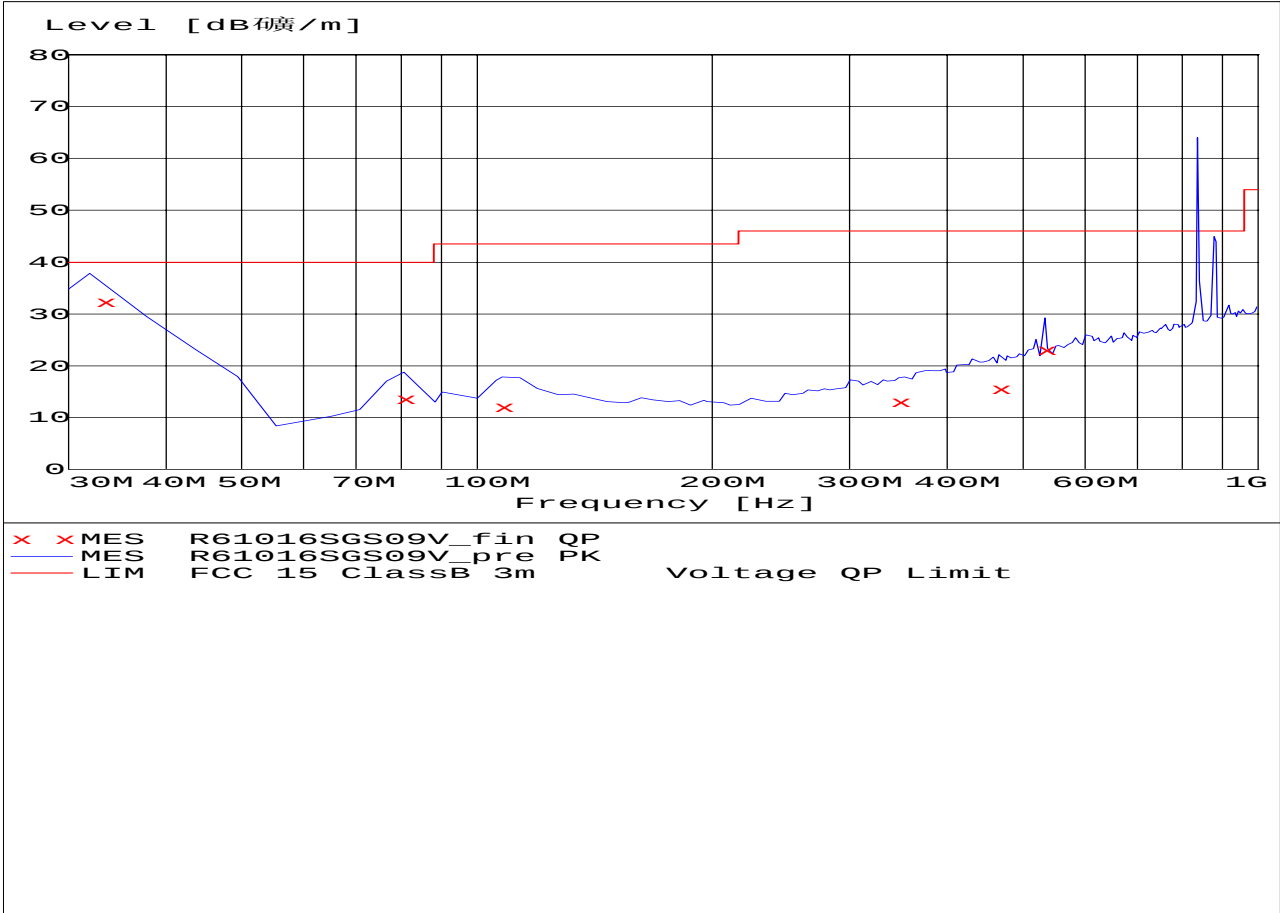
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Yishan Road, Xuhui District, Shanghai, China

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Vertical:



Frequency Level Height Azimuth Polarisation
MHz dBµV/m cm deg

33.244320	32.31	100.0	0.00	VERTICAL
80.541082	13.47	400.0	270.00	VERTICAL
107.755511	12.08	300.0	90.00	VERTICAL
346.853707	12.99	300.0	180.00	VERTICAL
465.430862	15.52	100.0	0.00	VERTICAL
533.466934	23.07	200.0	90.00	VERTICAL

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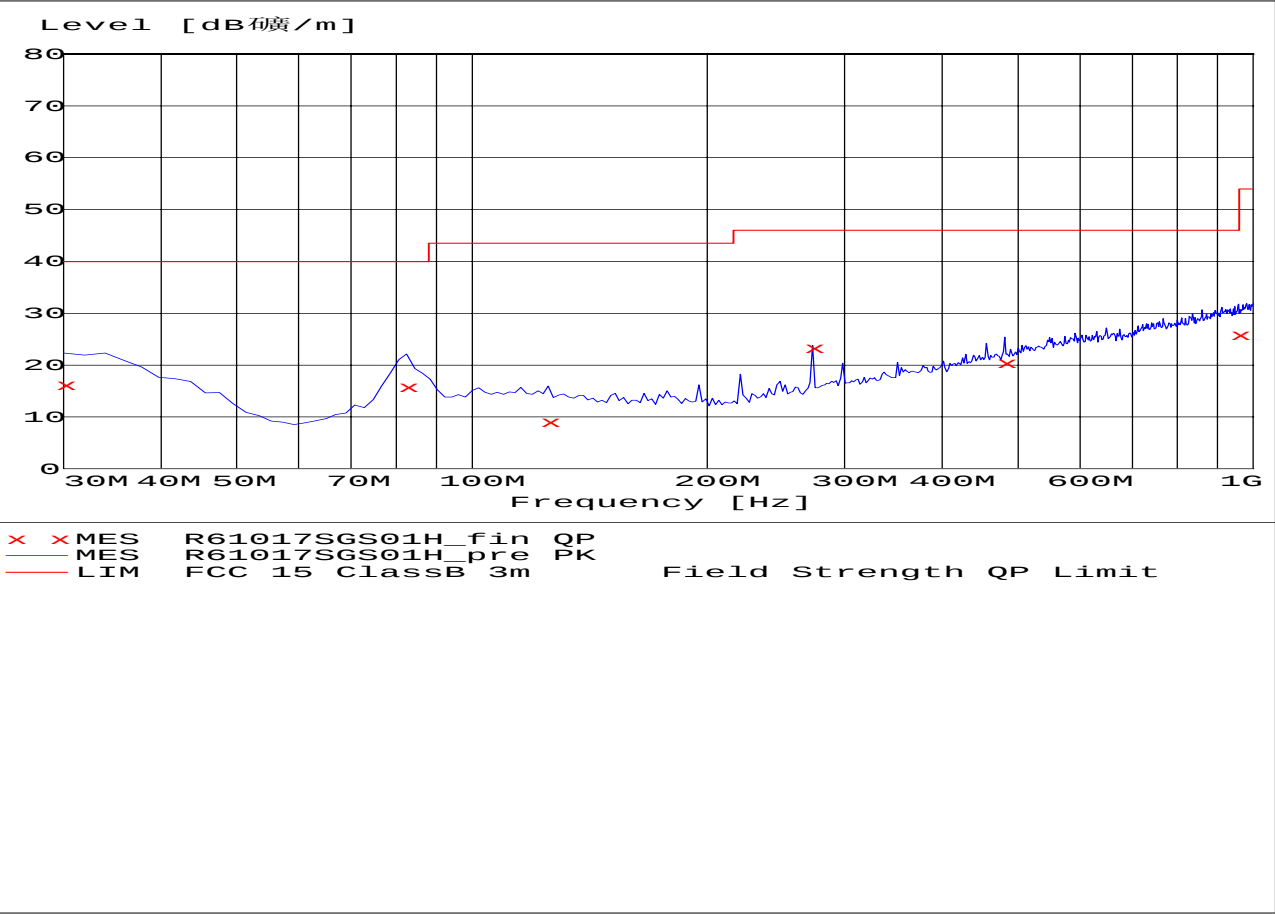
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Fax: +86 (0) 21 5450 0954
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GSM 1900 connected: (test OT-E100a with 3DS10628AGAA of Tenpao power adaptor)

Horizontal:



Frequency	Level	Height	Azimuth	Polarisation	Limit	Margin
MHz	dBµV/m	cm	deg		dBµV/m	db
30.060120	16.12	200.0	0.00	HORIZONTAL	40.00	23.88
82.484970	15.79	400.0	180.00	HORIZONTAL	40.00	24.21
125.250501	8.97	300.0	0.00	HORIZONTAL	43.50	34.53
272.965932	23.35	100.0	270.00	HORIZONTAL	46.00	22.65
480.981964	20.41	100.0	90.00	HORIZONTAL	46.00	25.59
957.234469	25.77	300.0	270.00	HORIZONTAL	46.00	20.23

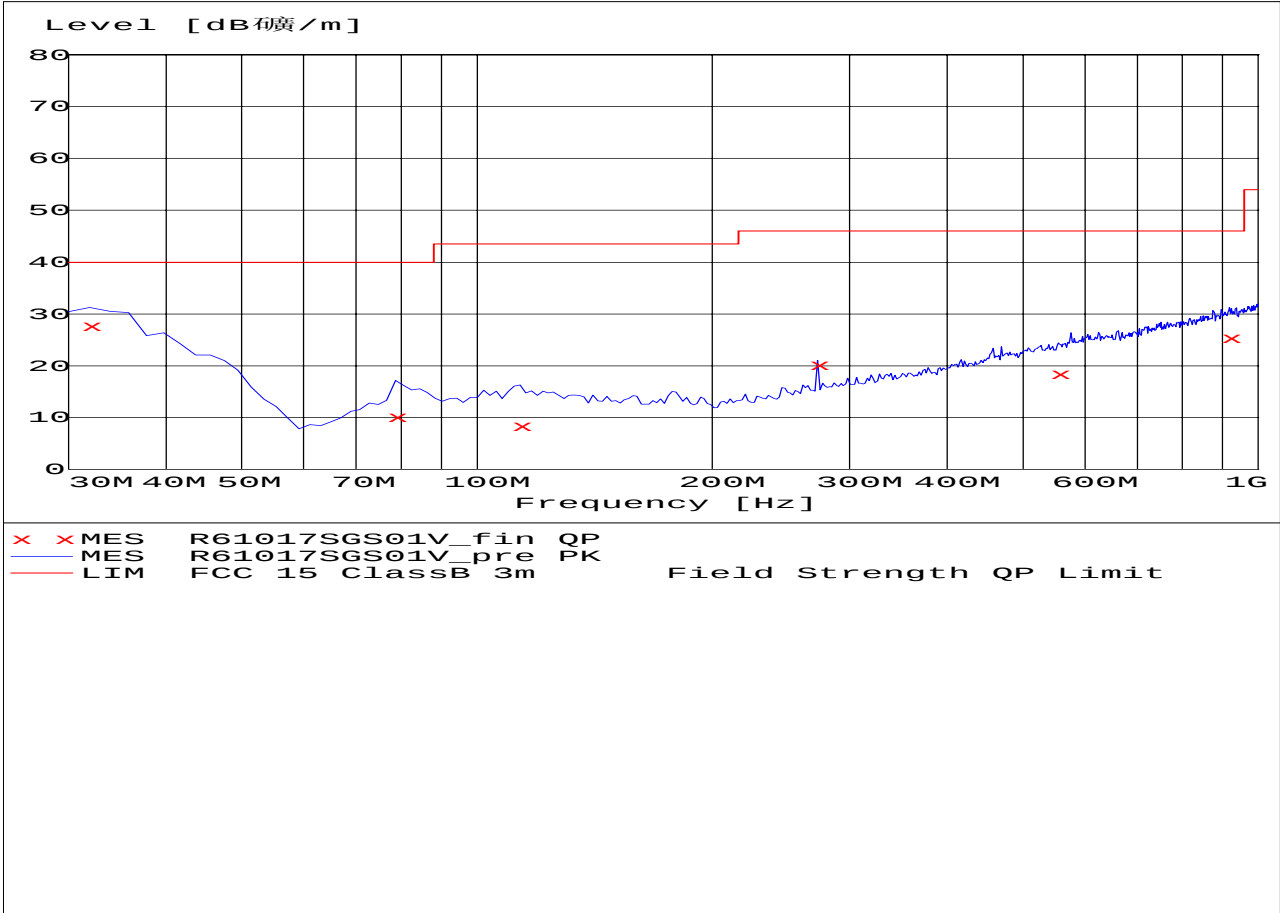
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Fax: +86 (0) 21 5450 0954
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Vertical:



Frequency	Level	Height	Azimuth	Polarisation	Limit	Margin
MHz	dBµV/m	cm	deg		dBµV/m	dB
31.943888	27.59	100.0	180.00	VERTICAL	40.00	12.41
78.597194	10.13	300.0	90.00	VERTICAL	40.00	29.87
113.587174	8.33	100.0	0.00	VERTICAL	43.50	35.17
272.995992	20.21	100.0	180.00	VERTICAL	46.00	25.79
554.849699	18.41	300.0	270.00	VERTICAL	46.00	27.59
918.356713	25.27	100.0	0.00	VERTICAL	46.00	20.73

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6.2 Conducted Emissions, 150kHz to 30MHz

Test Requirement:	CFR 47 part 15
Test Method:	ANSI C63.4
Test Date:	24 April 2006 to 12 October 2006
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: 24.0°C Humidity: 58% RH Atmospheric Pressure:

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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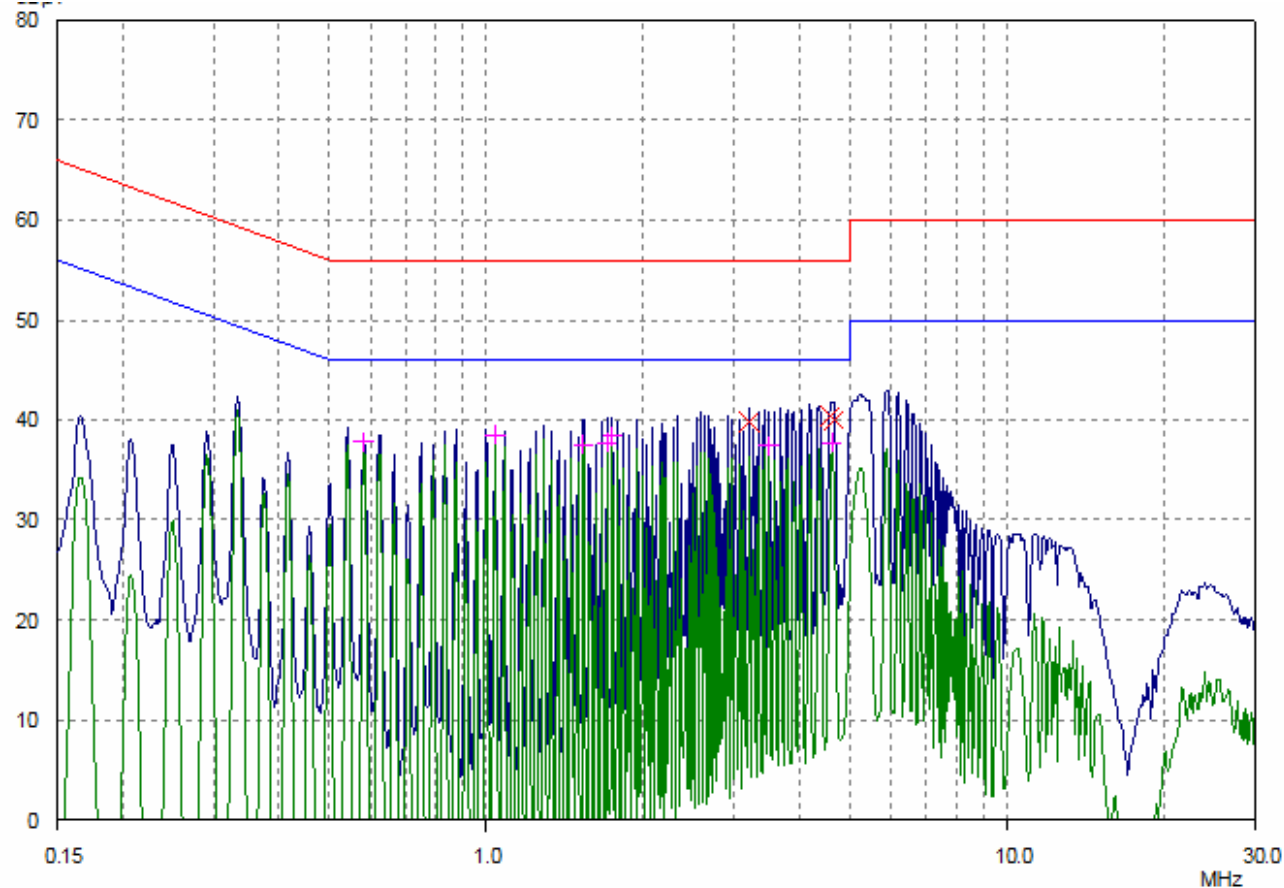
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Fax: +86 (0) 21 5450 0954
Tino_Pan@sgs.com

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

L Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta 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 MHz	AV Level dBμV	AV Limit dBμV	AV Delta 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

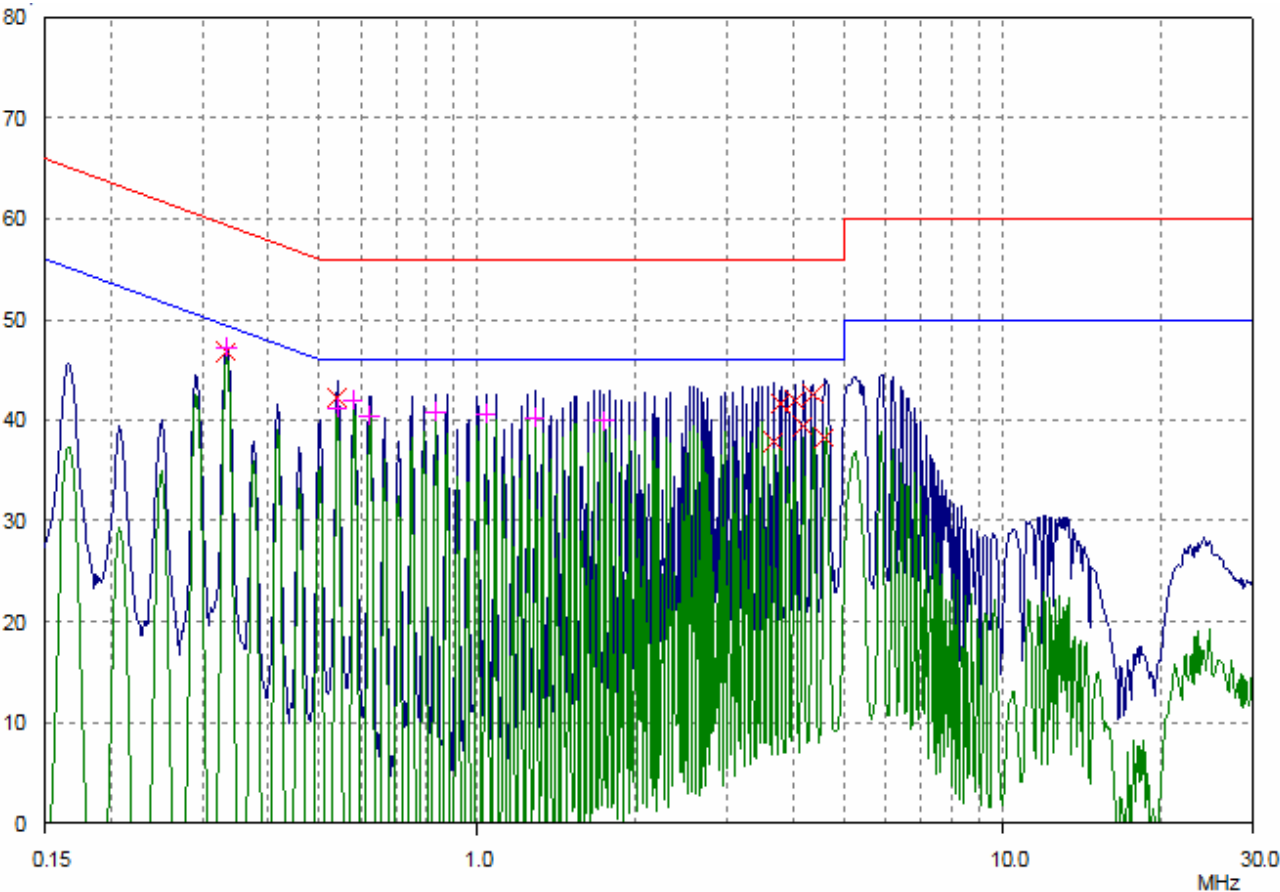
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Fax: +86 (0) 21 5450 0954
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N Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta 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 MHz	AV Level dBμV	AV Limit dBμV	AV Delta 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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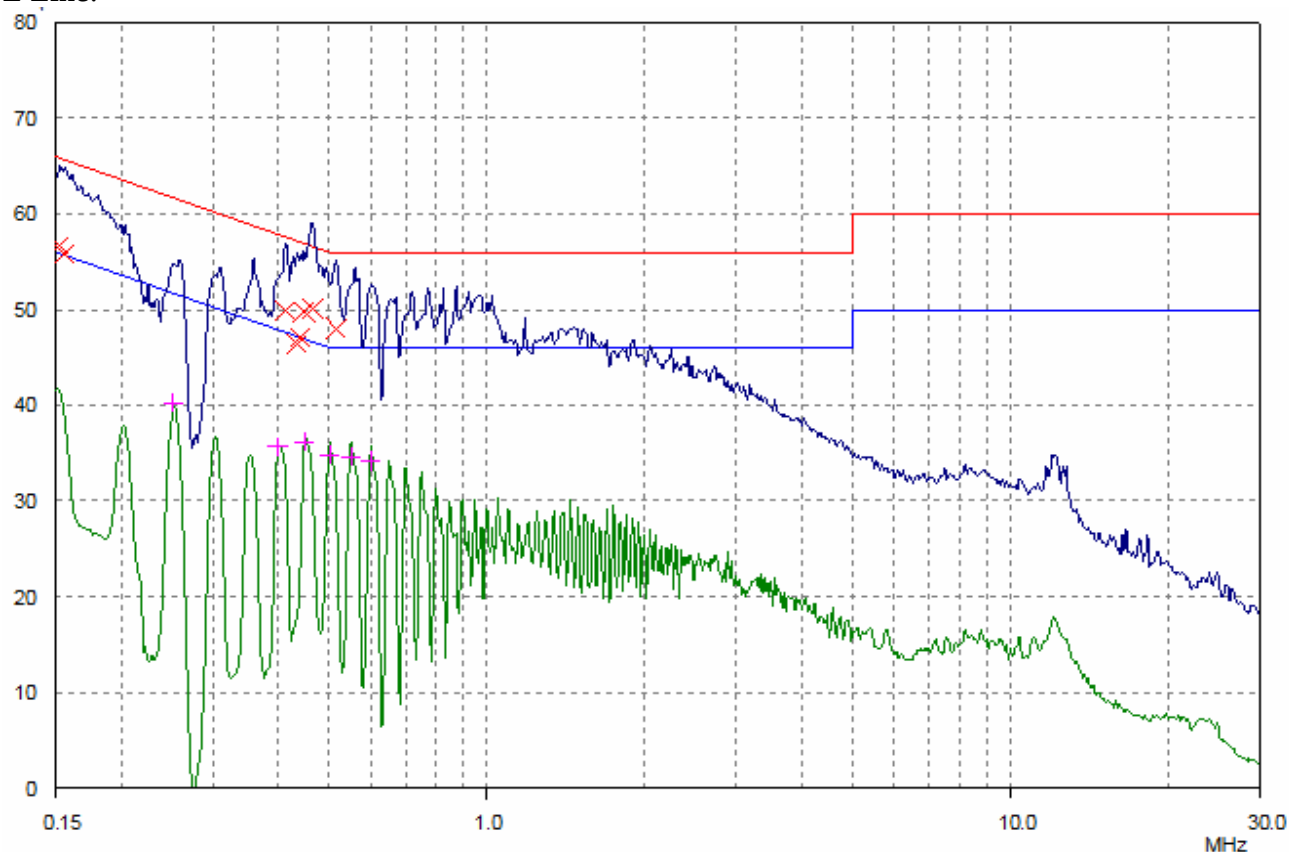
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GSM 850 connected: (test Mobile with 3DS09371AGAA of Astec power adaptor and headset.)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta 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 MHz	AV Level dBμV	AV Limit dBμV	AV Delta 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

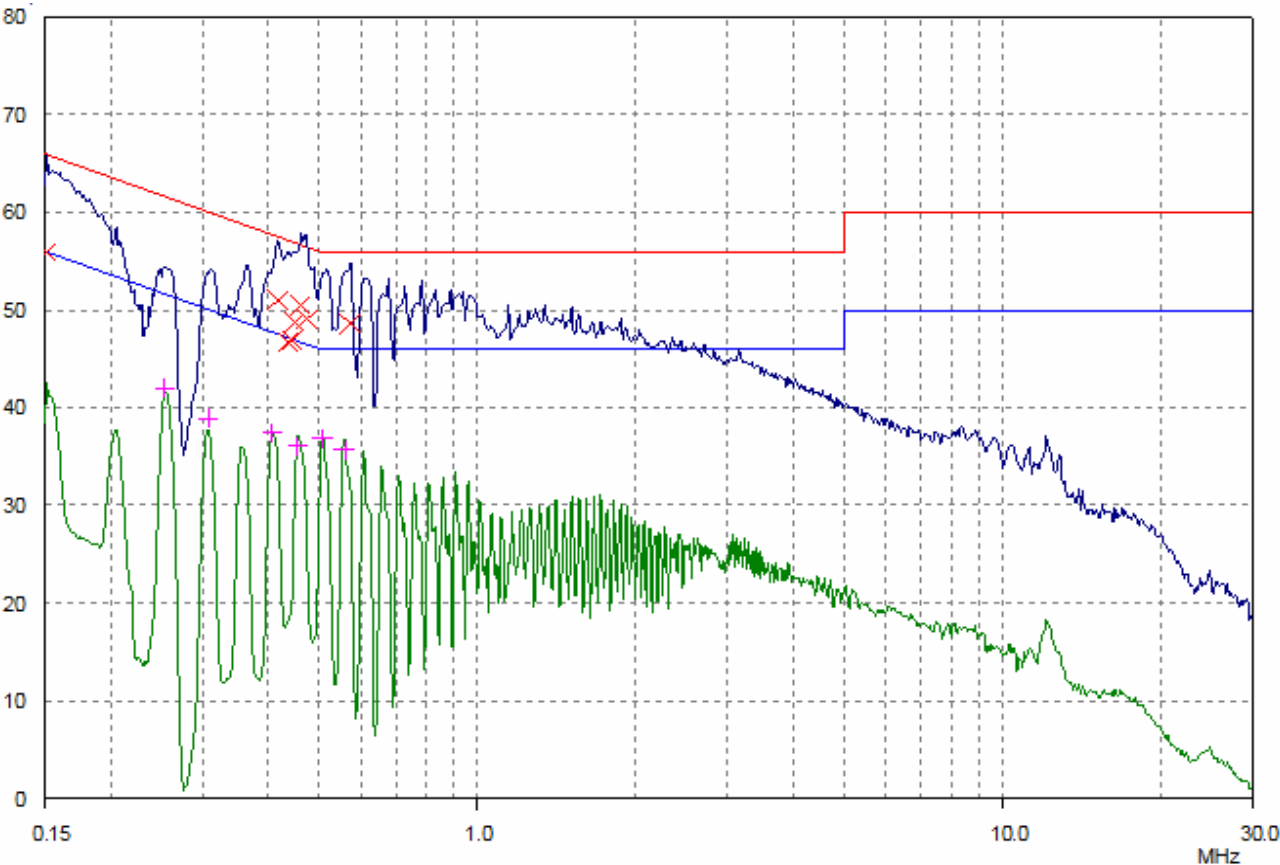
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N Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta 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 MHz	AV Level dBμV	AV Limit dBμV	AV Delta 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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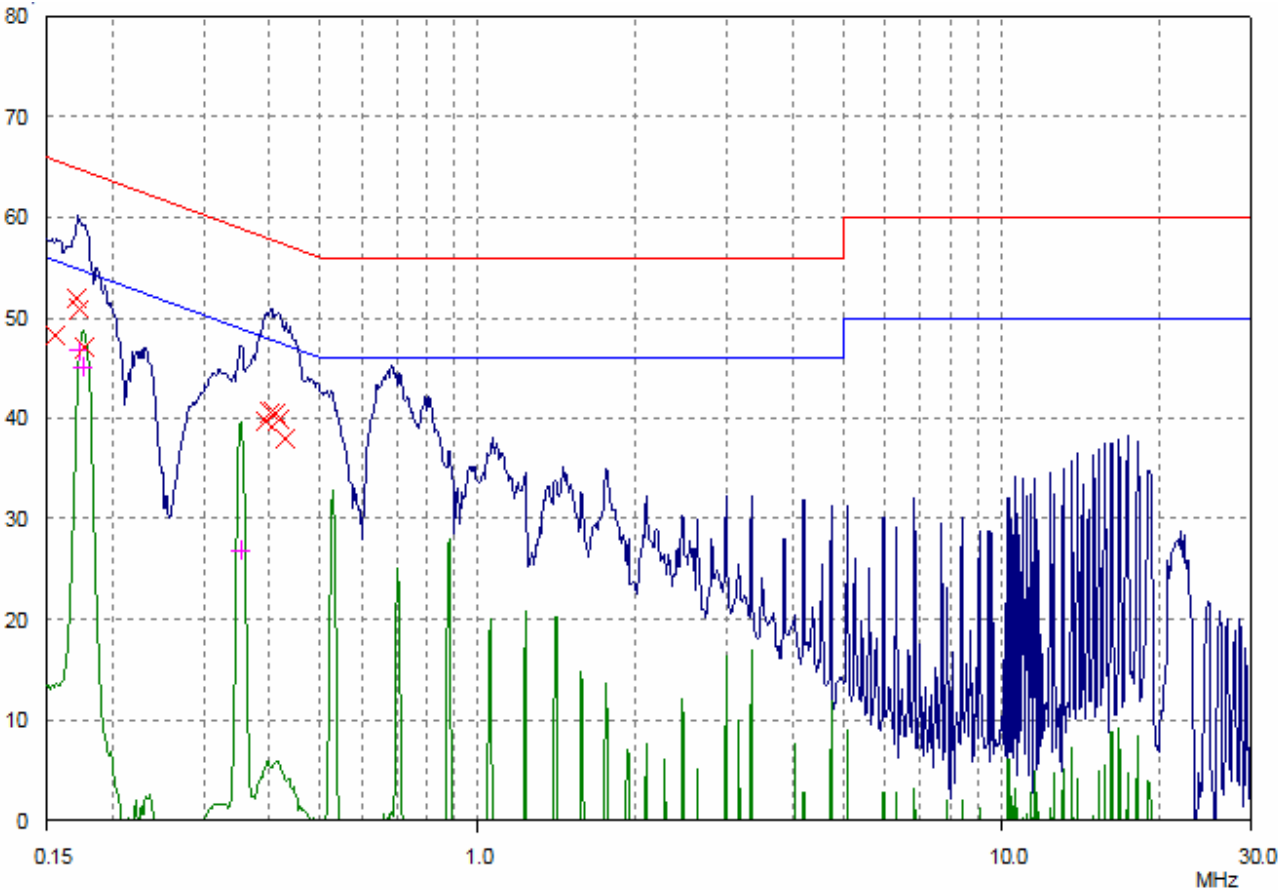
1/F, 7/F, 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

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

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

L Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta 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 MHz	AV Level dBμV	AV Limit dBμV	AV Delta 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

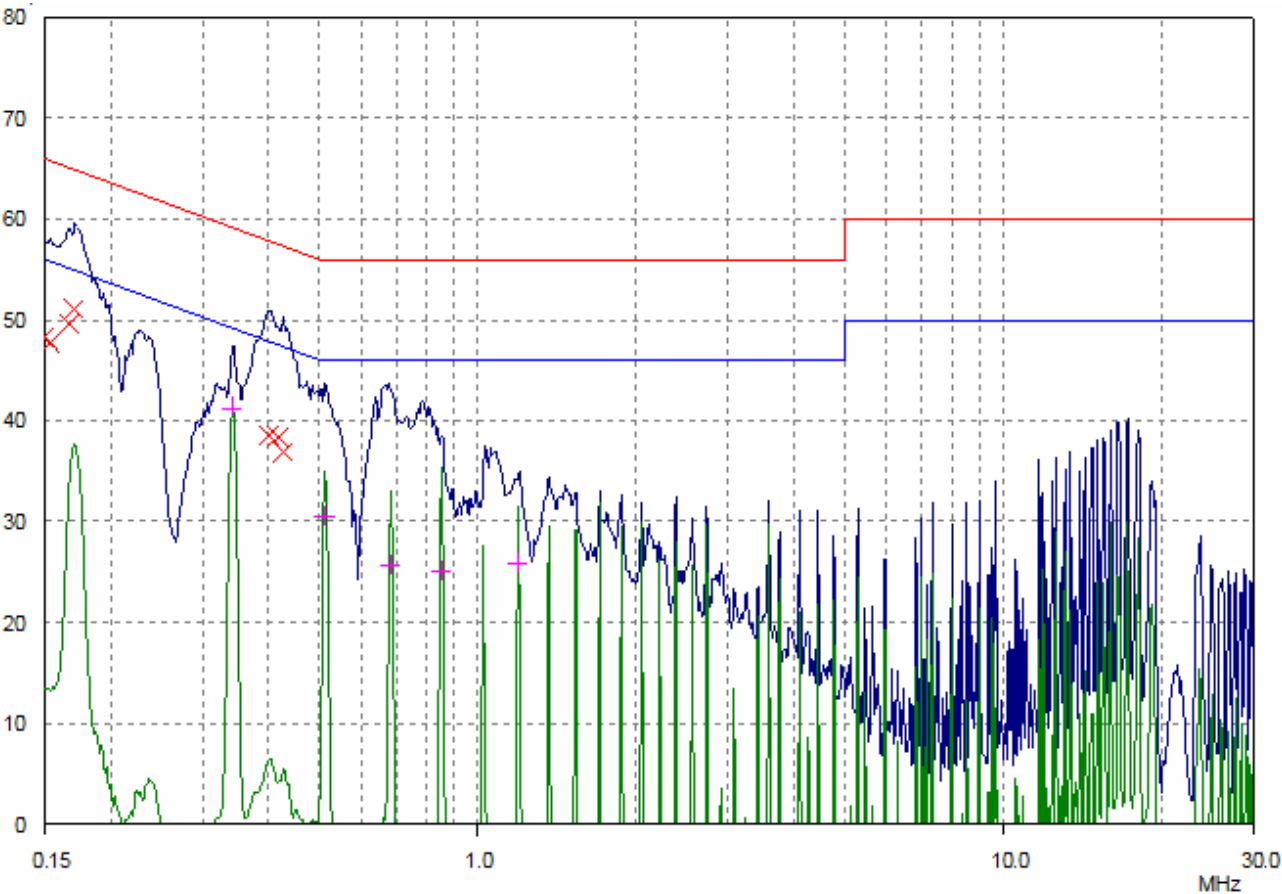
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Yishan Road, Xuhui District, Shanghai, China

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

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N Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta 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 MHz	AV Level dBμV	AV Limit dBμV	AV Delta 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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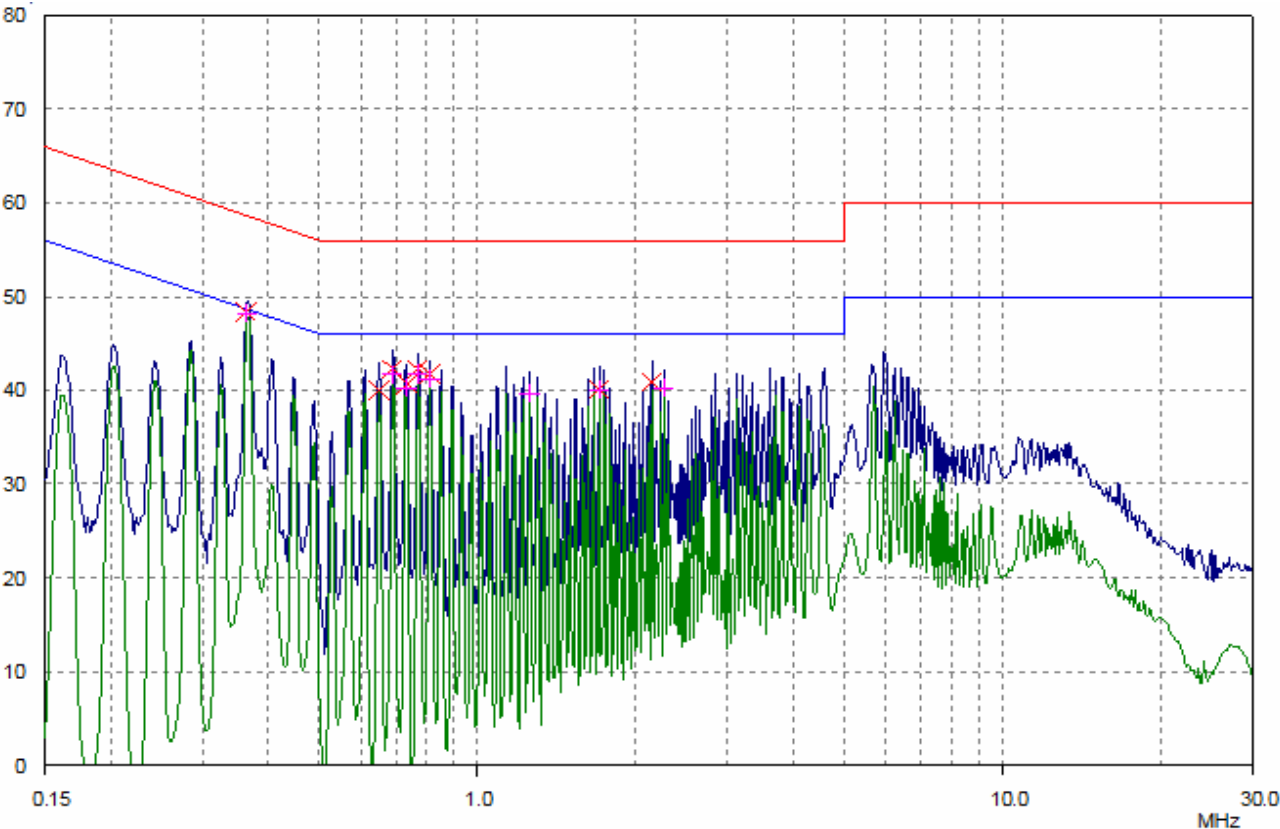
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Fax: +86 (0) 21 5450 0954
Tino_Pan@sgs.com

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

L Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta 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 MHz	AV Level dBμV	AV Limit dBμV	AV Delta 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

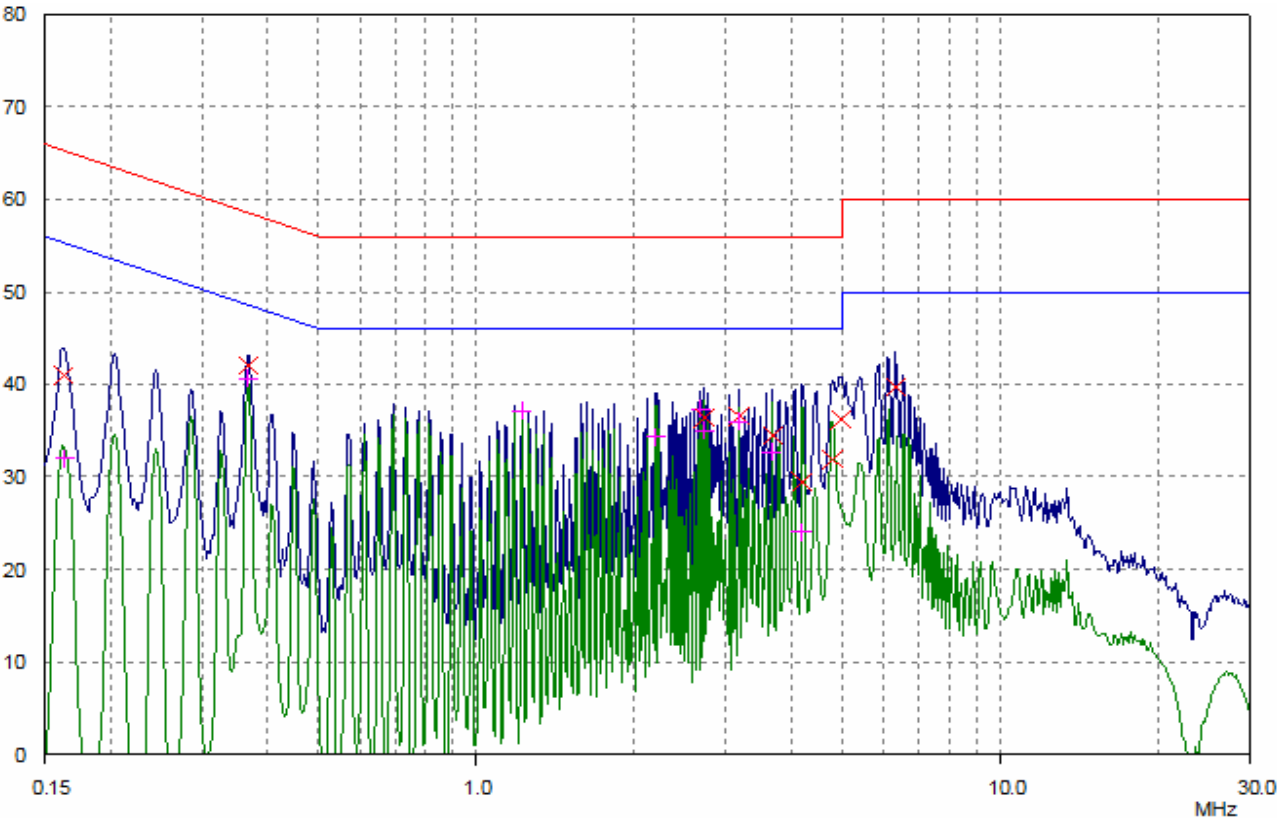
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Fax: +86 (0) 21 5450 0954
Tino_Pan@sgs.com

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N Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta 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 MHz	AV Level dBμV	AV Limit dBμV	AV Delta 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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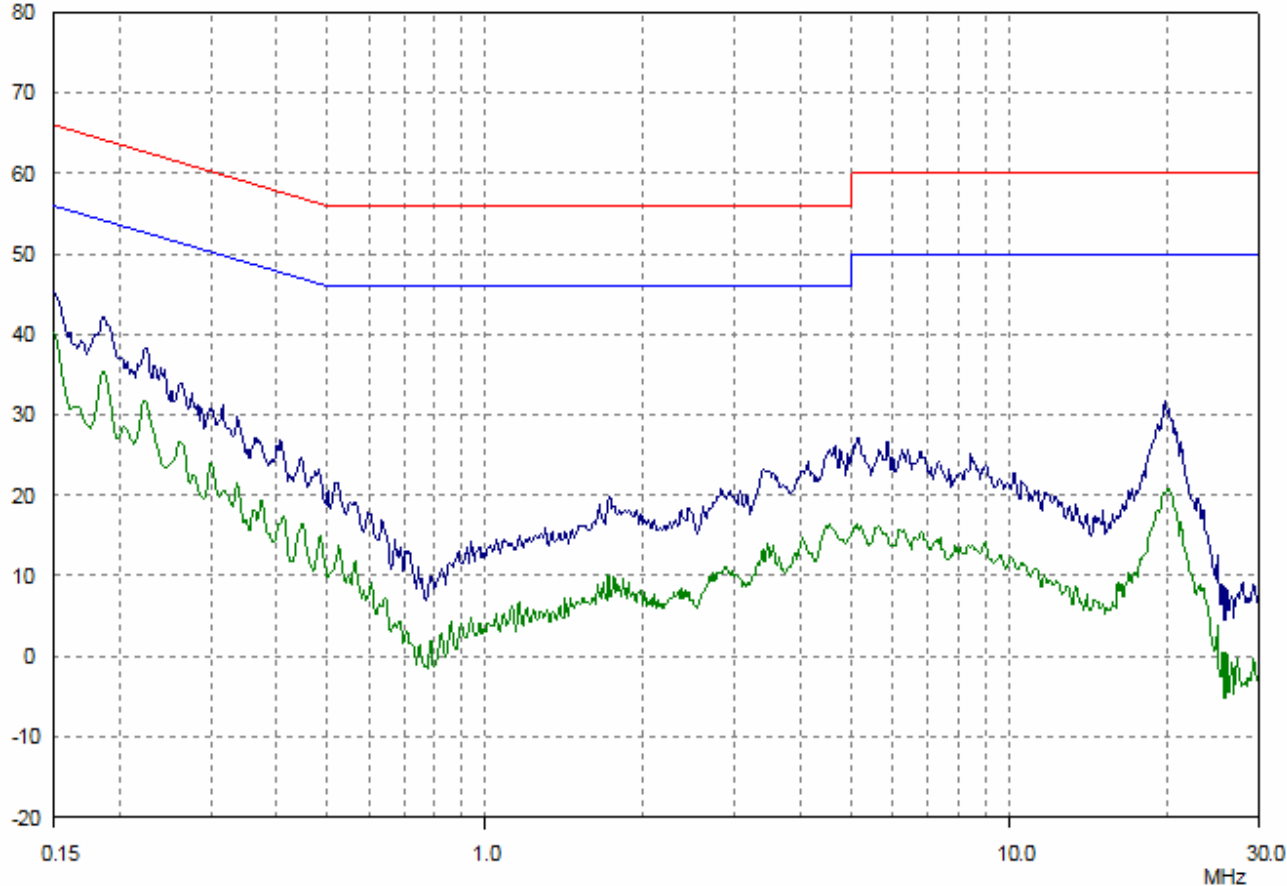
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Fax: +86 (0) 21 5450 0954
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GSM 850 connected: (test Mobile with 3DS07848AAAA of Primax power adaptor and headset.)

Negative:



Frequency (MHz)	Receiver QP Level (dBuV)	Limit (dBuV)	Margin (dB)	Receiver AV Level (dBuV)	Limit (dBuV)	Margin (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.

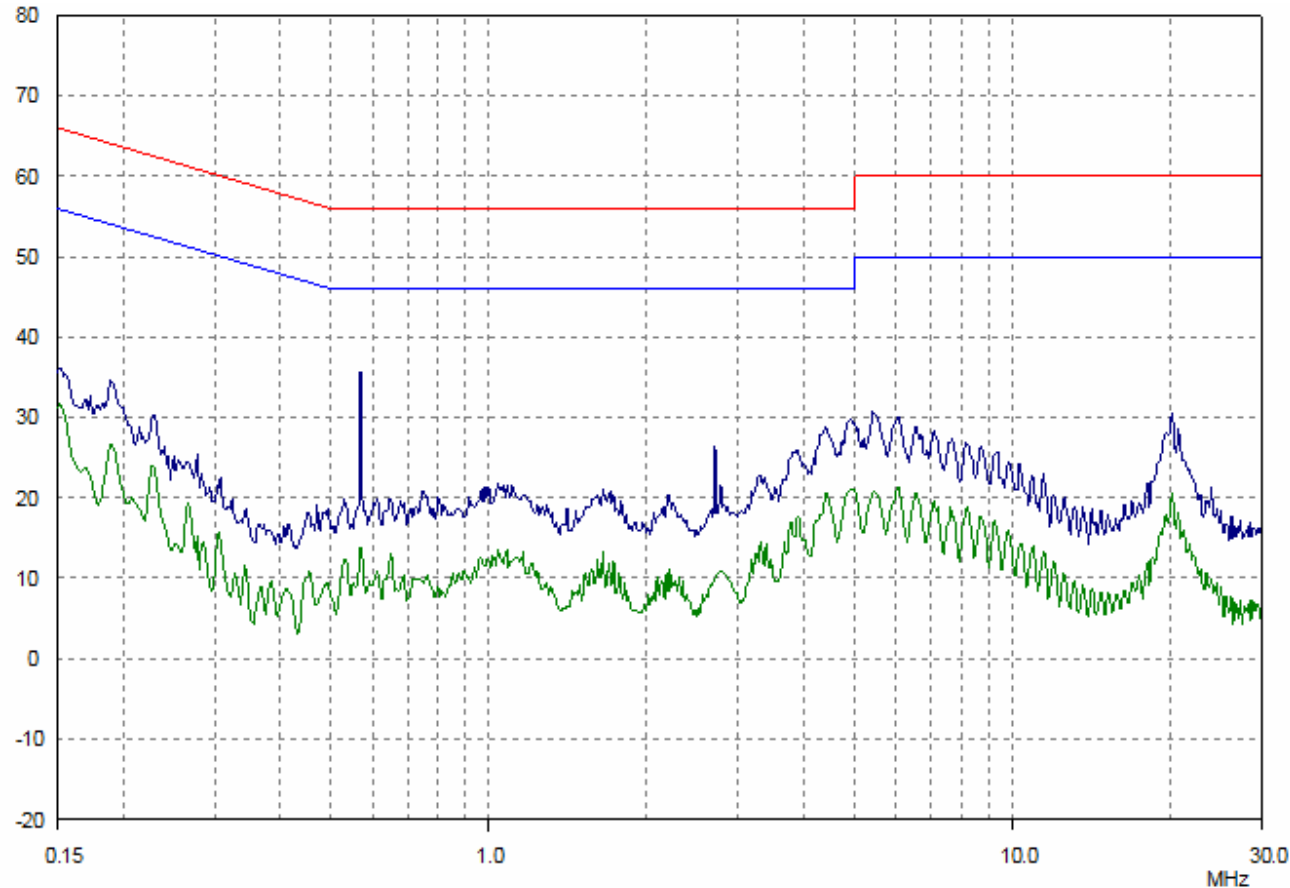
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Yishan Road, Xuhui District, Shanghai, China

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Fax: +86 (0) 21 5450 0954
Tino_Pan@sgs.com

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Positive:



Frequency	Receiver			Receiver		
Frequency	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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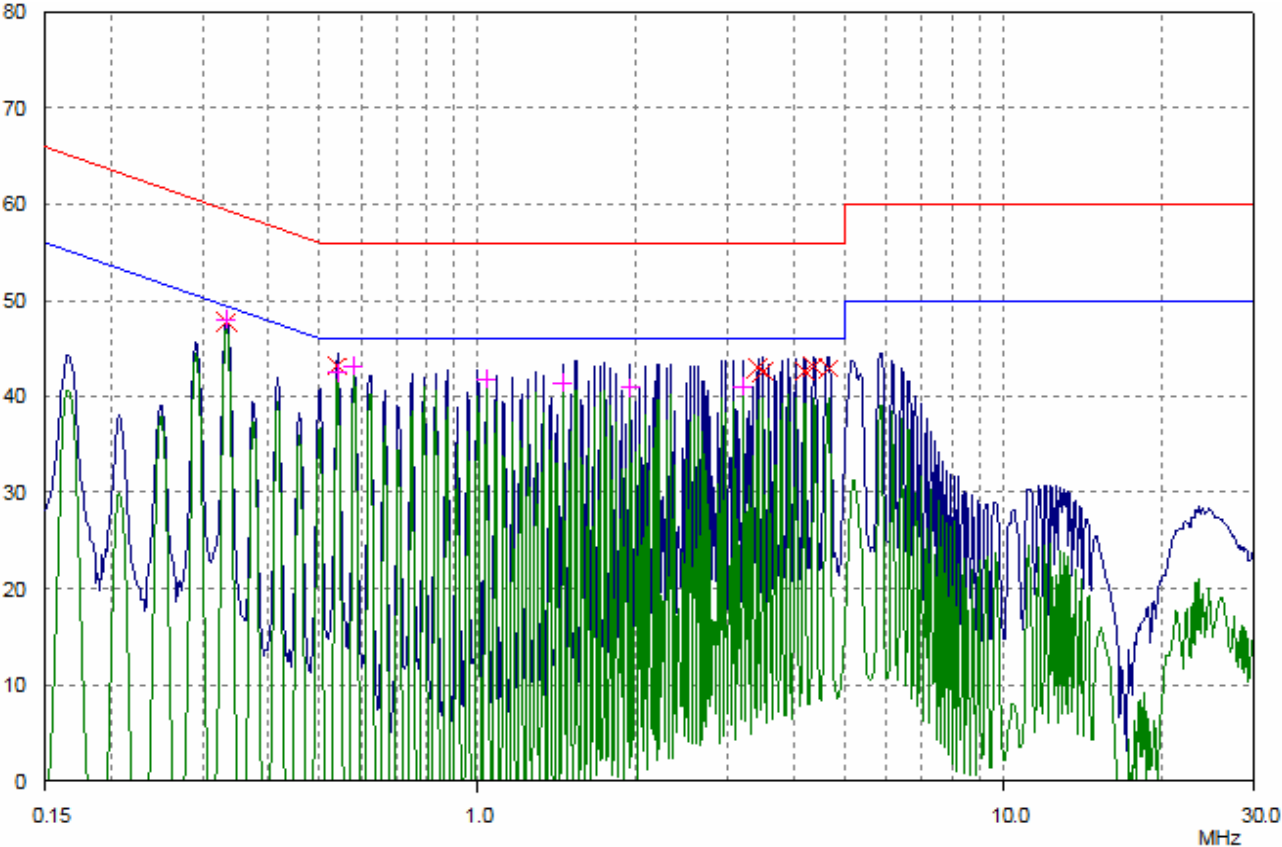
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Yishan Road, Xuhui District, Shanghai, China

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Fax: +86 (0) 21 5450 0954
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PCS1900 connected: (test Mobile ith 3DS09371AGAA of Leader power adaptor and headset.)

L Line:



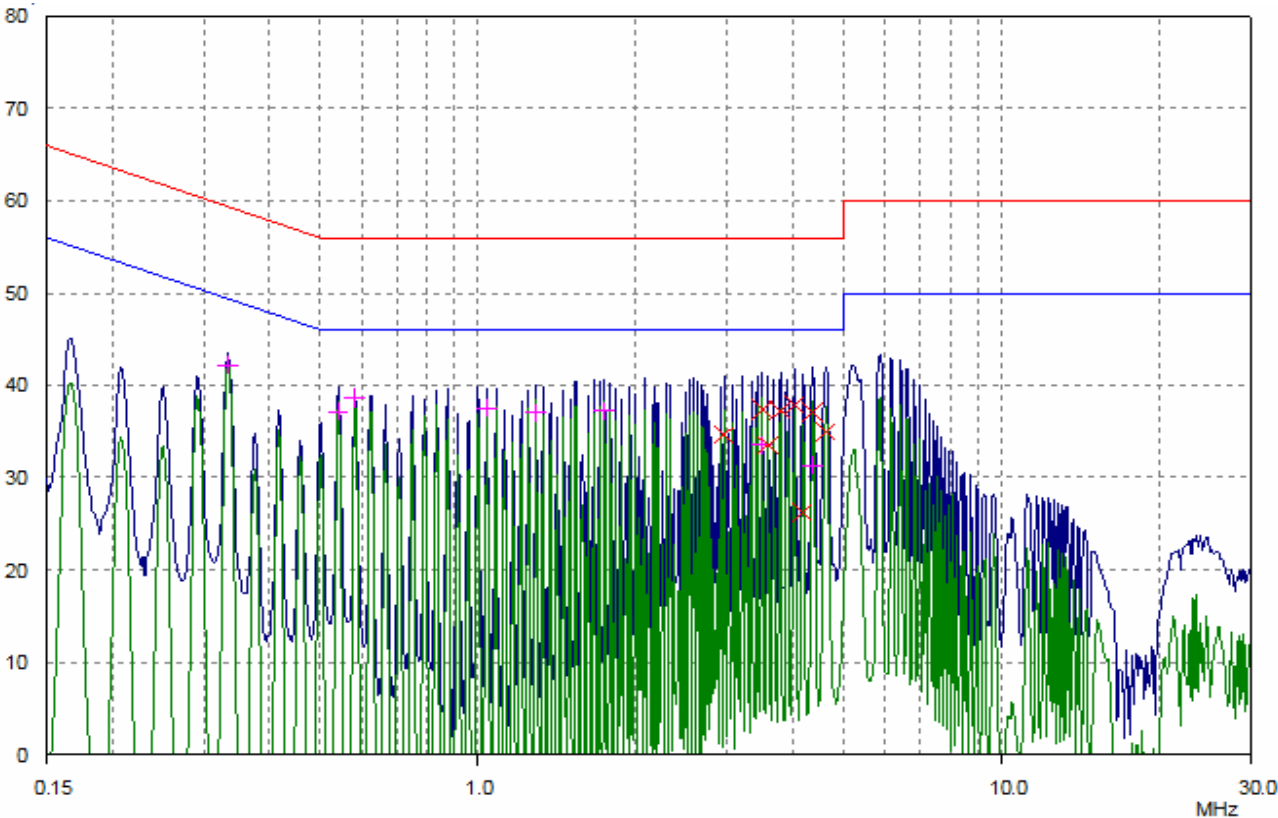
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Yishan Road, Xuhui District, Shanghai, China

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Fax: +86 (0) 21 5450 0954
Tino_Pan@sgs.com

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N Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta 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 MHz	AV Level dBμV	AV Limit dBμV	AV Delta 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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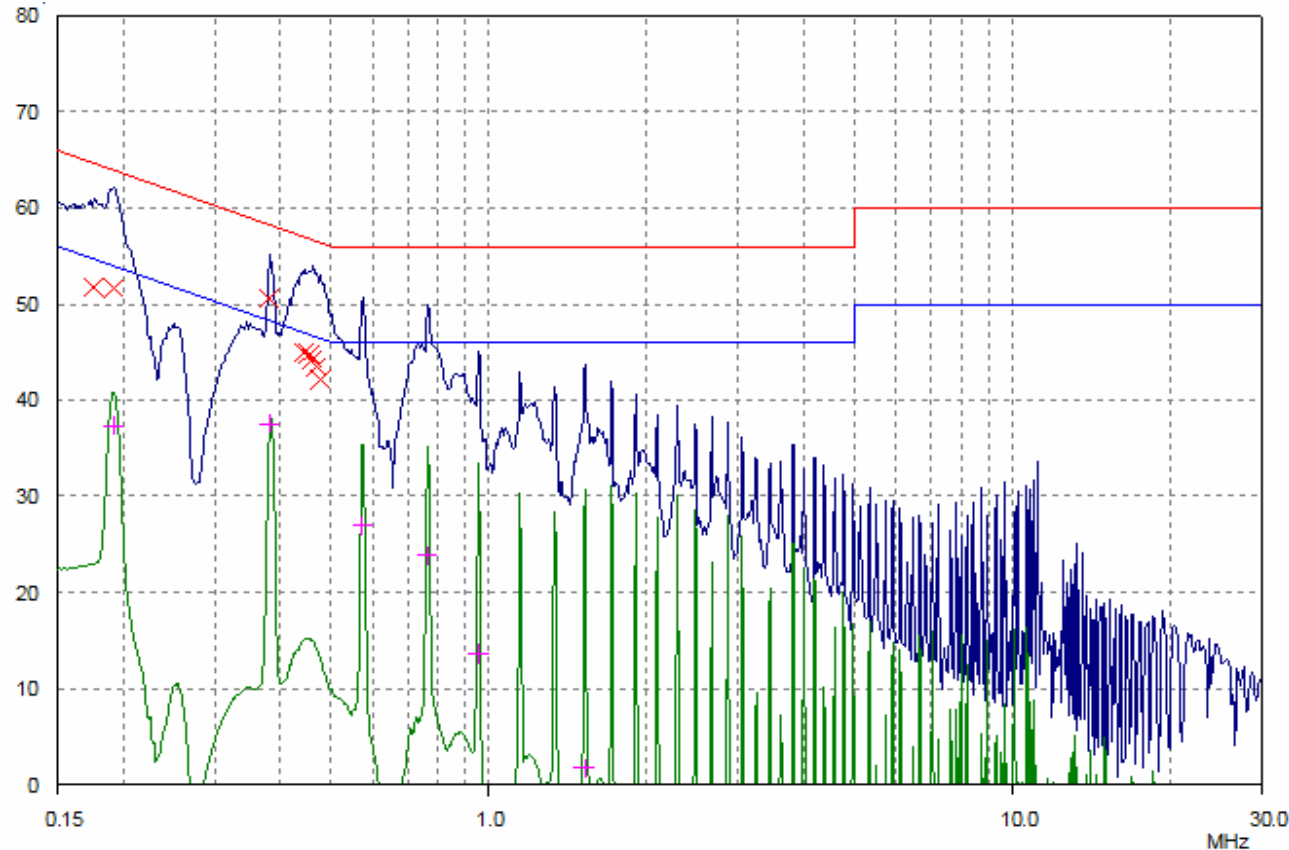
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Yishan Road, Xuhui District, Shanghai, China

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Fax: +86 (0) 21 5450 0954
Tino_Pan@sgs.com

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

L Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta 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 MHz	AV Level dBμV	AV Limit dBμV	AV Delta 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

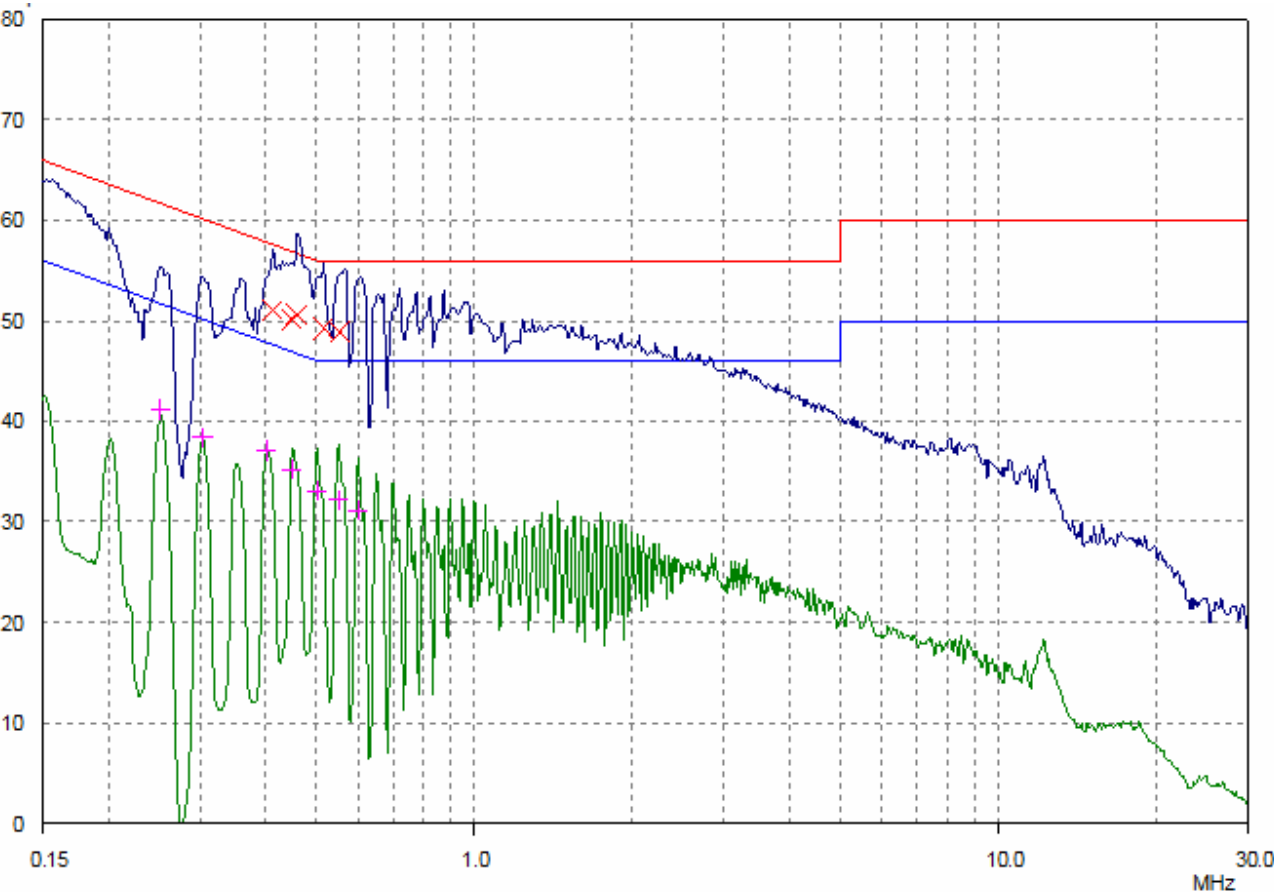
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Yishan Road, Xuhui District, Shanghai, China

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Fax: +86 (0) 21 5450 0954
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N Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta 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 MHz	AV Level dBμV	AV Limit dBμV	AV Delta 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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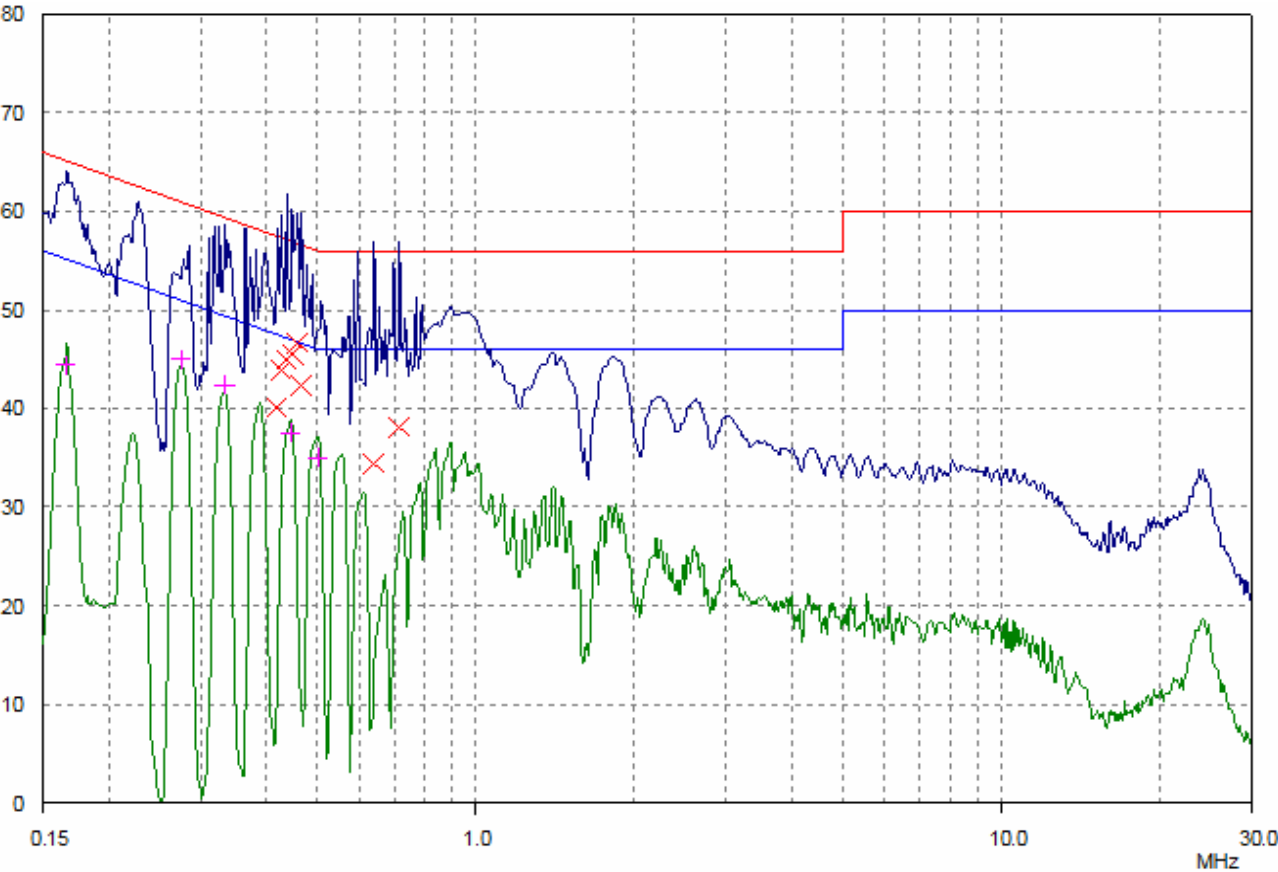
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Yishan Road, Xuhui District, Shanghai, China

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Fax: +86 (0) 21 5450 0954
Tino_Pan@sgs.com

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

L Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta 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 MHz	AV Level dBμV	AV Limit dBμV	AV Delta 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

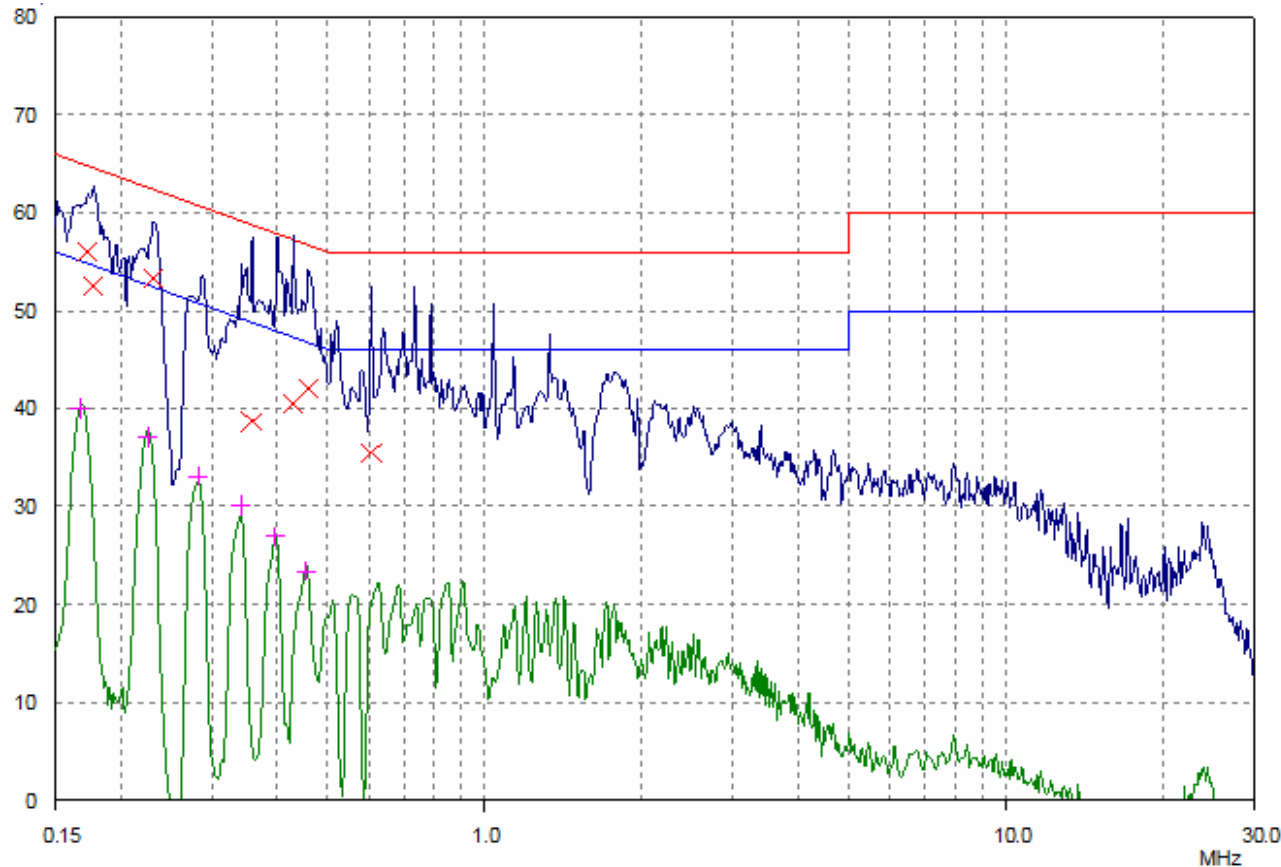
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Yishan Road, Xuhui District, Shanghai, China

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

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N Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta 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 MHz	AV Level dBμV	AV Limit dBμV	AV Delta 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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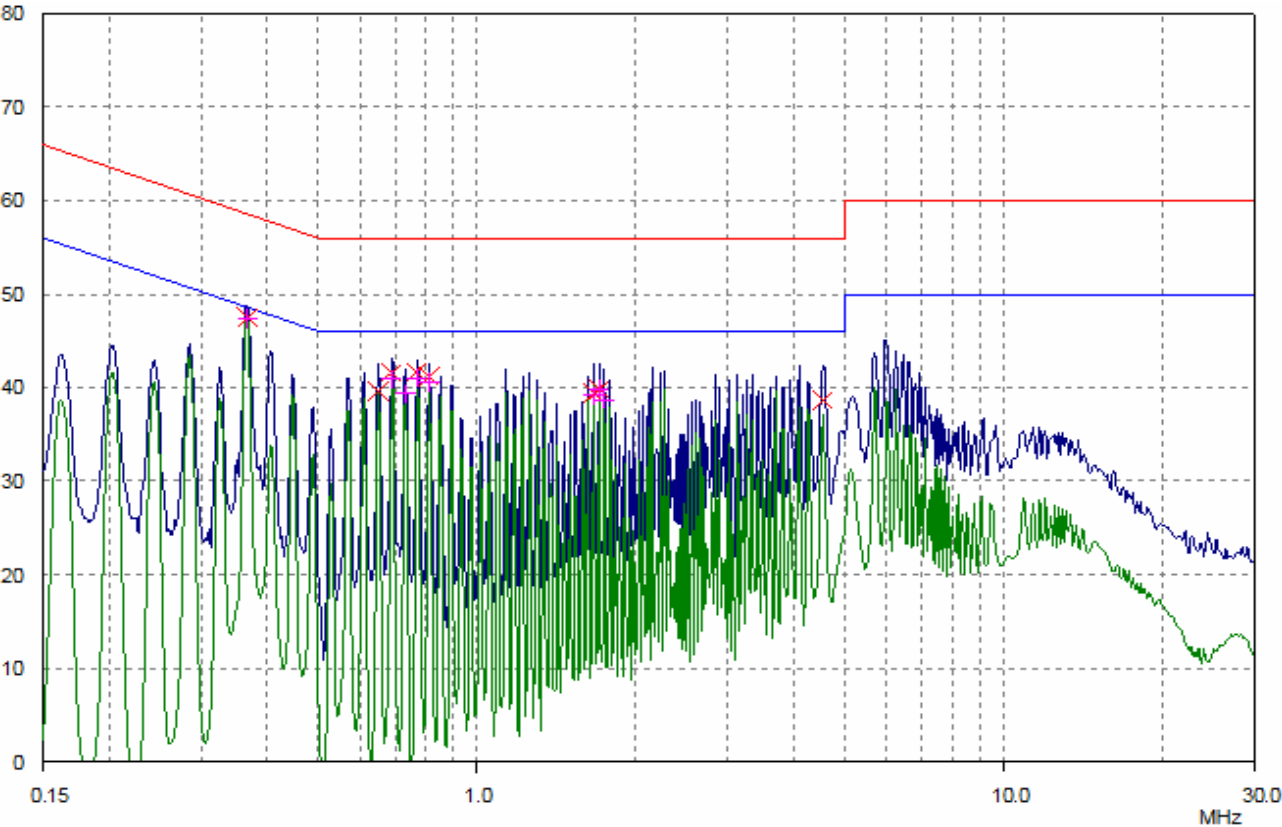
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PCS 1900 connected: (test Mobile with 3DS09371AAAA of Leader power adaptor and headset.)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta 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 MHz	AV Level dBμV	AV Limit dBμV	AV Delta 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

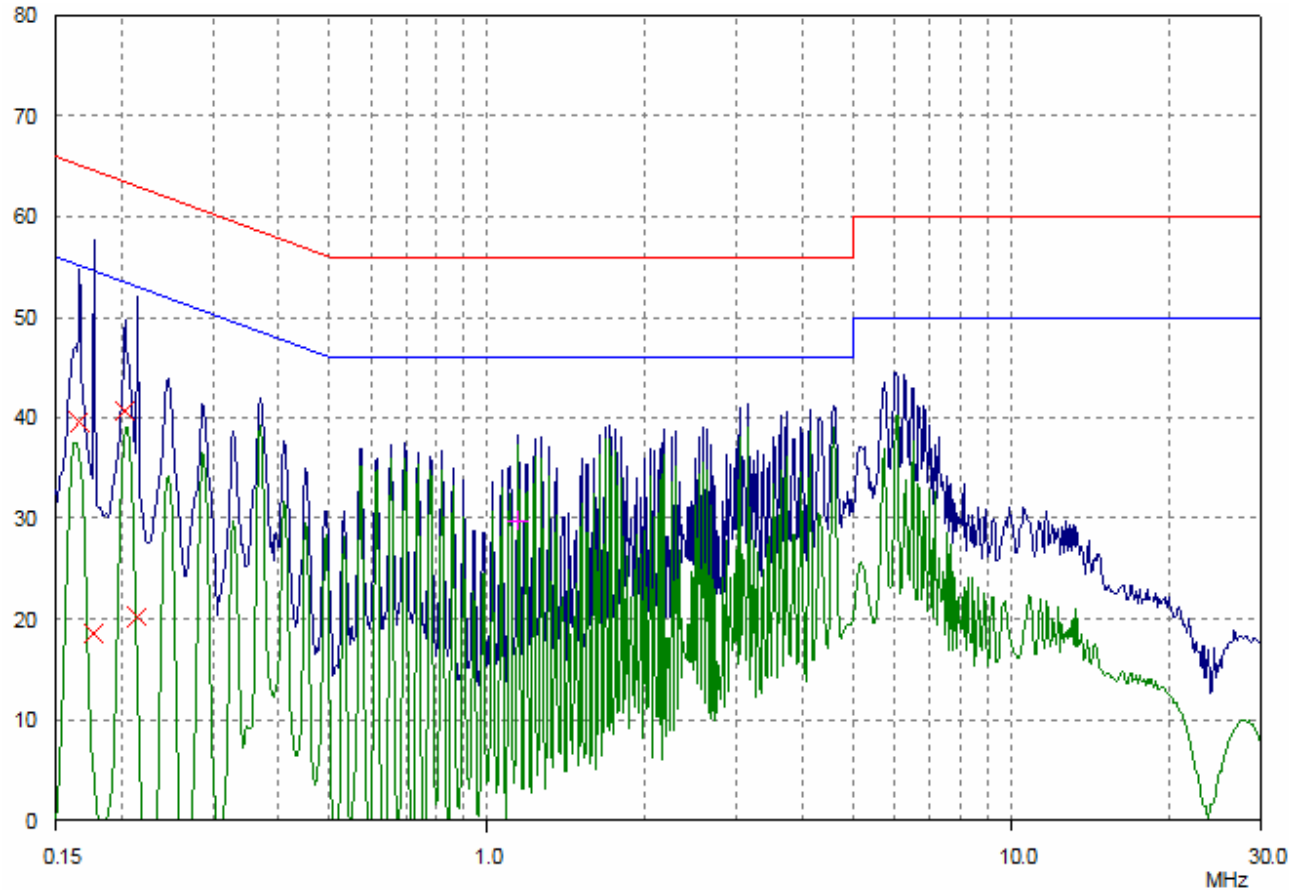
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Tino_Pan@sgs.com

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N Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta 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 MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
1.14426	29.67	46.00	16.33

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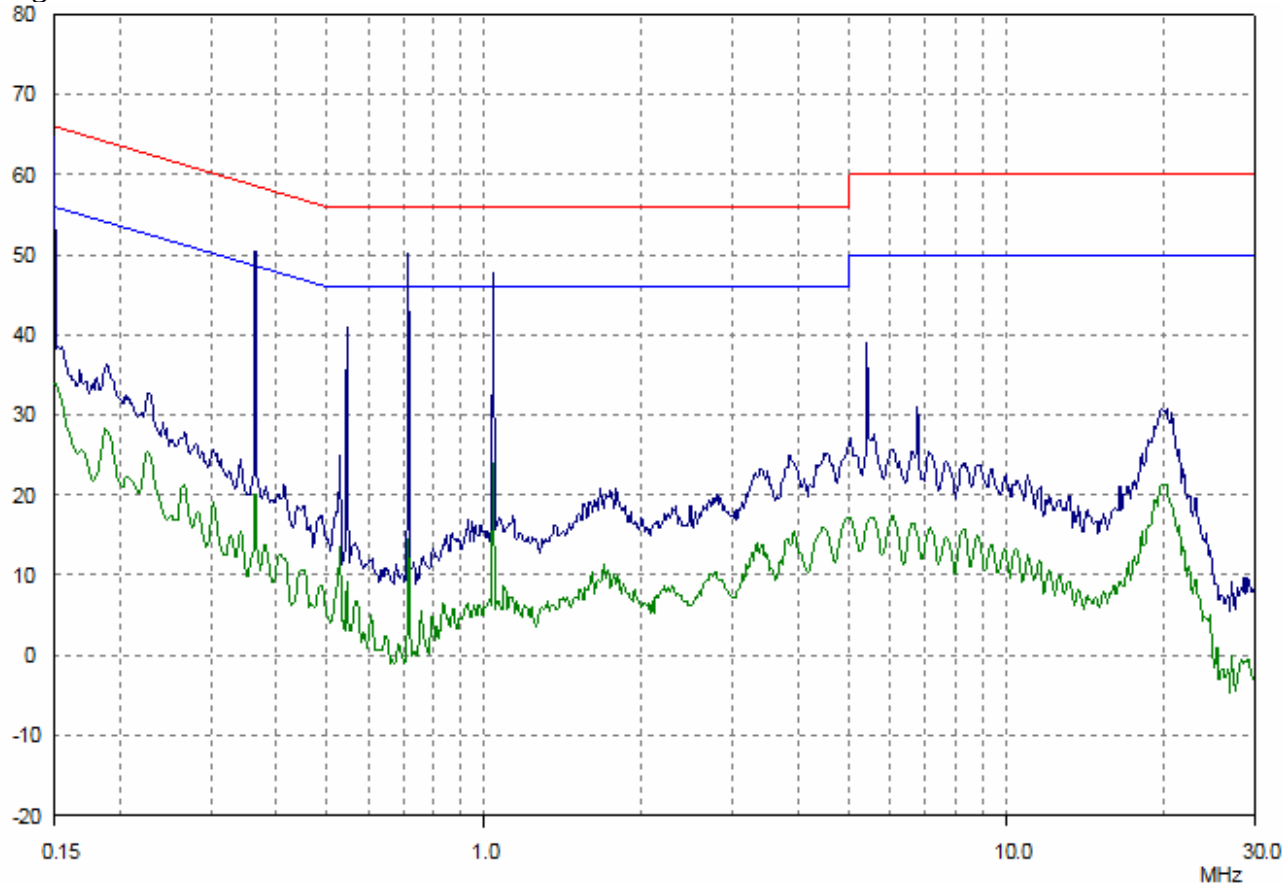
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PCS 1900 connected: (test Mobile with 3DS07848AAAA of Primax power adaptor and headset.)

Negative:



Frequency (MHz)	Receiver QP Level (dBuV)	Limit (dBuV)	Margin (dB)	Receiver AV Level (dBuV)	Limit (dBuV)	Margin (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.

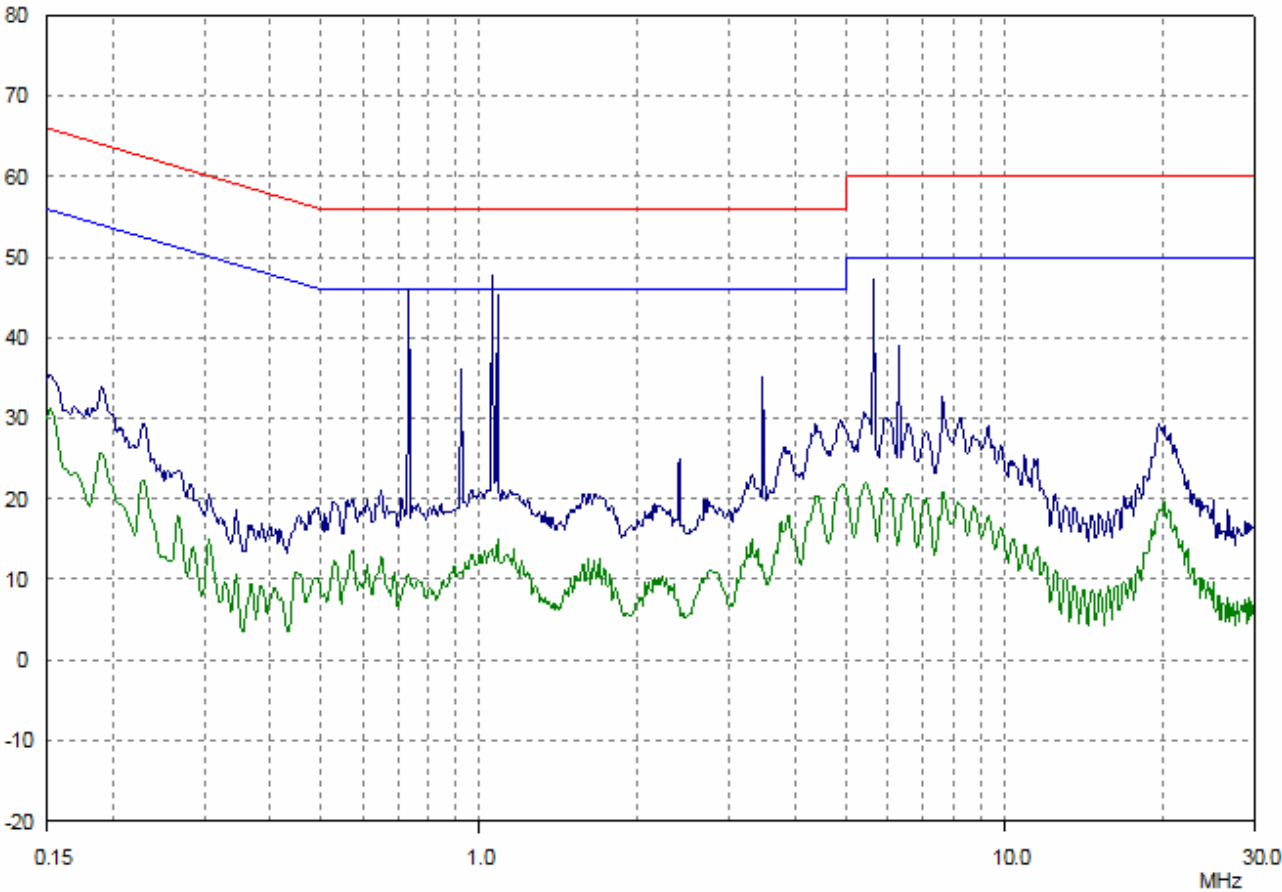
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Positive:



Frequency (MHz)	Receiver QP Level (dBuV)	Limit (dBuV)	Margin (dB)	Receiver AV Level (dBuV)	Limit (dBuV)	Margin (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.

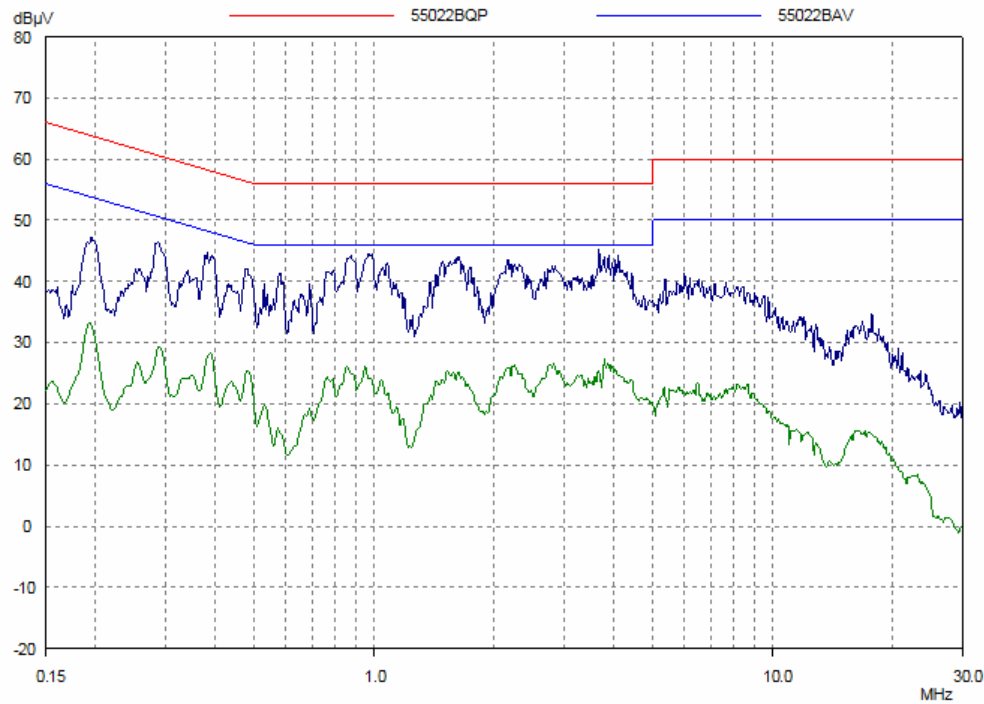
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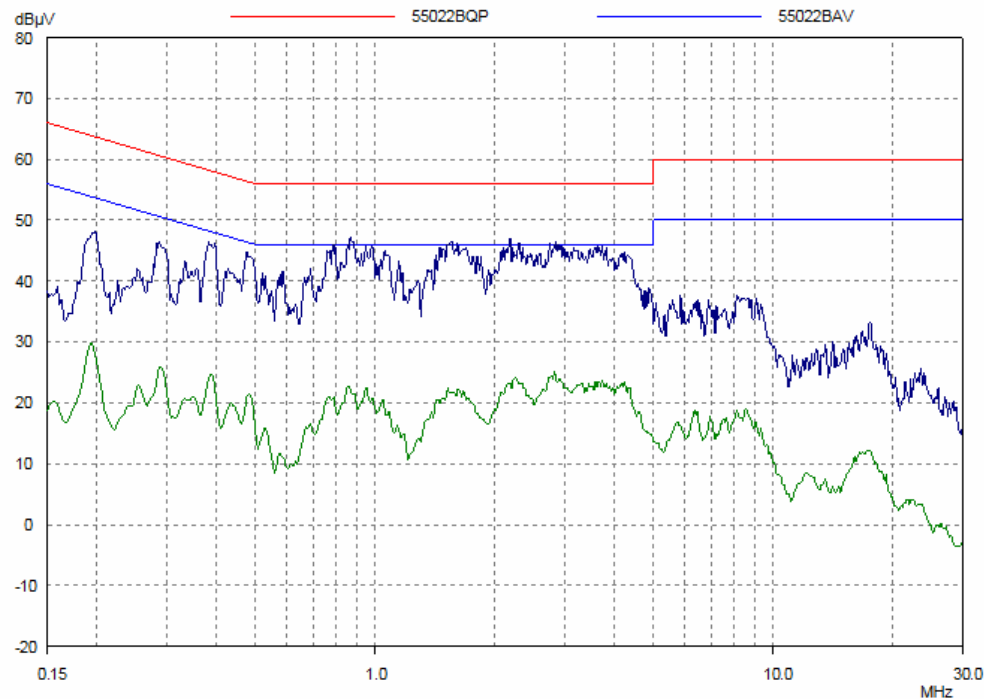
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GSM 850 dedicated, charging with adaptor (Tenpao: 3DS10628AGAA) and earphone.
L Line:



N Line:



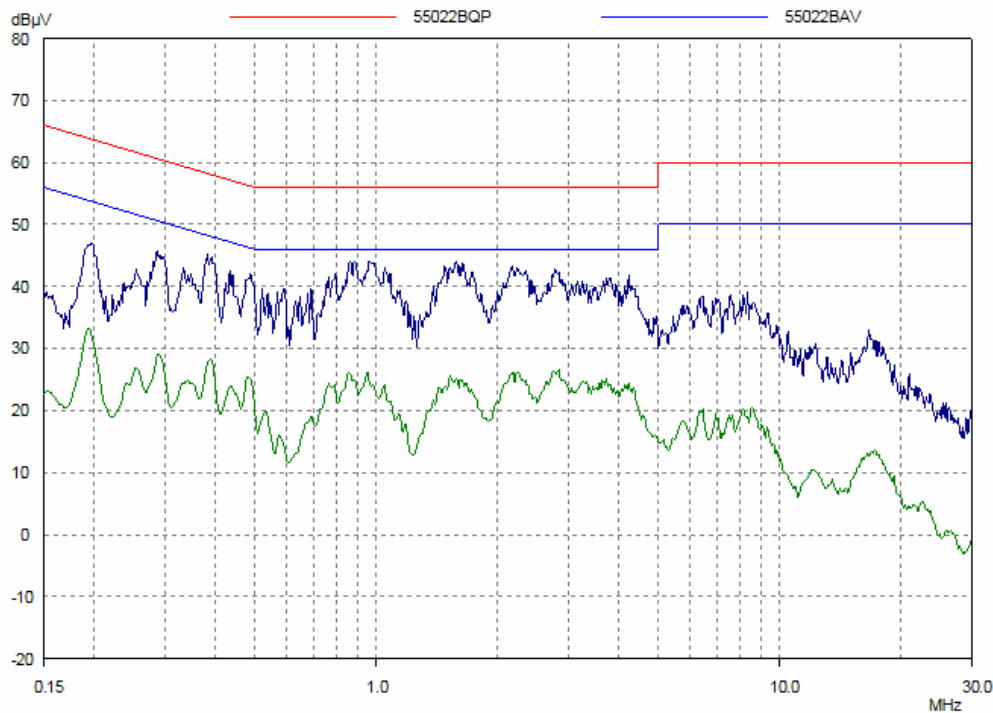
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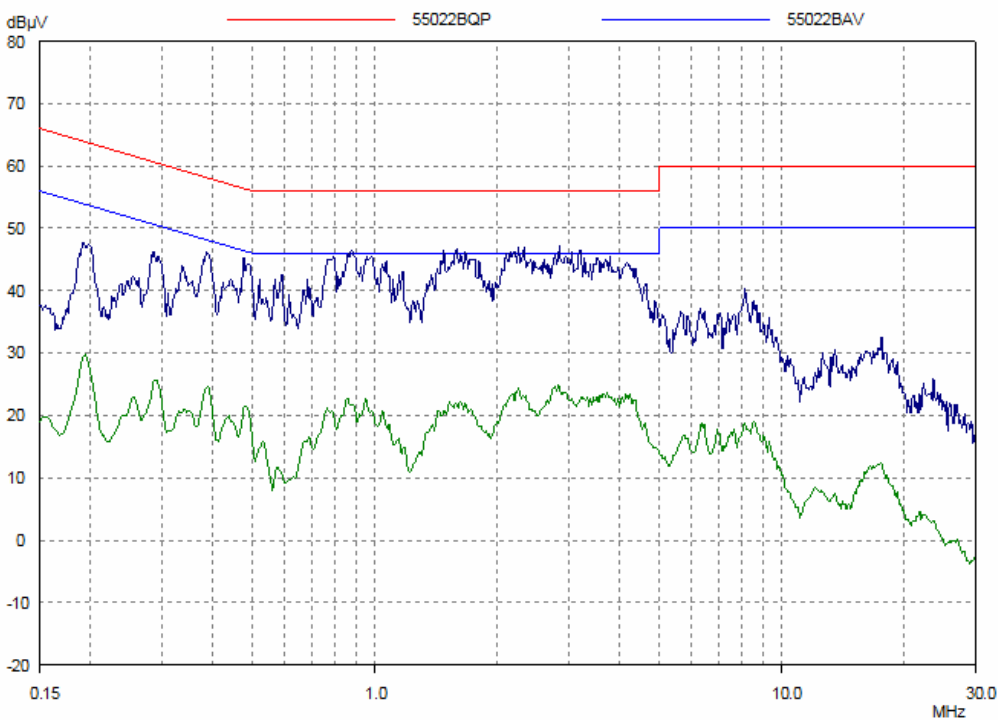
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PCS 1900 dedicated, charging with adaptor and earphone:
L Line:



N Line:



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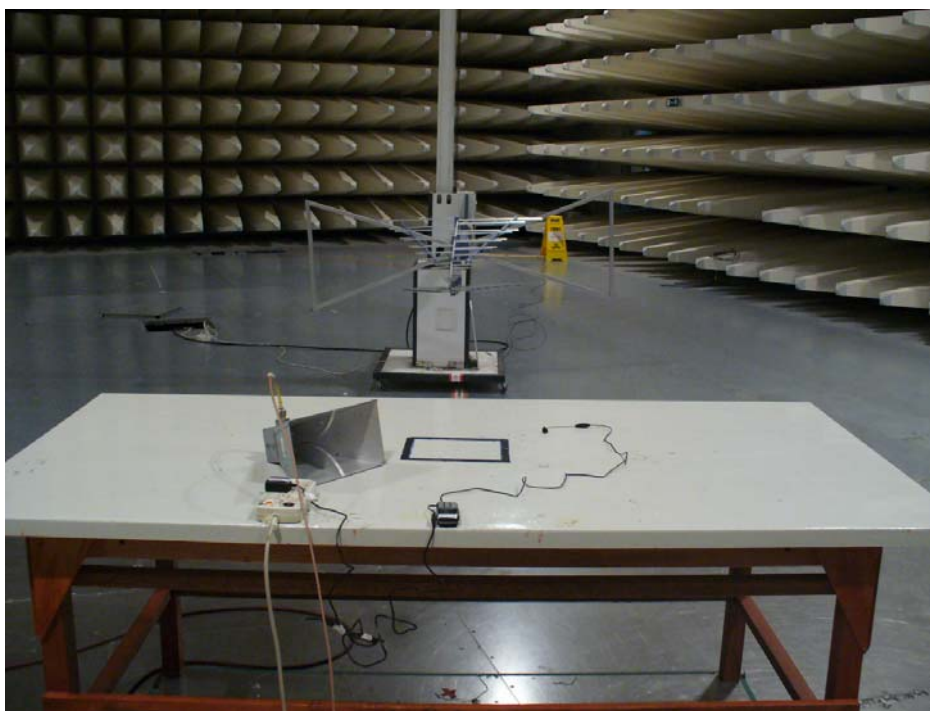
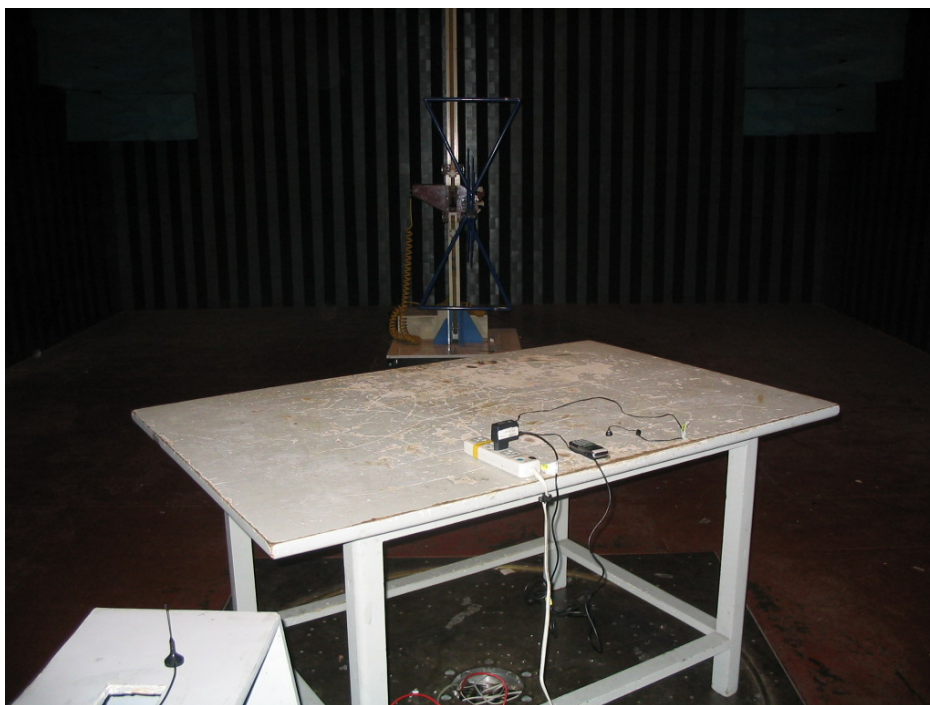
1/F, 7/F, 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

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

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7 Photographs

7.1 Radiated Emission Test Setup



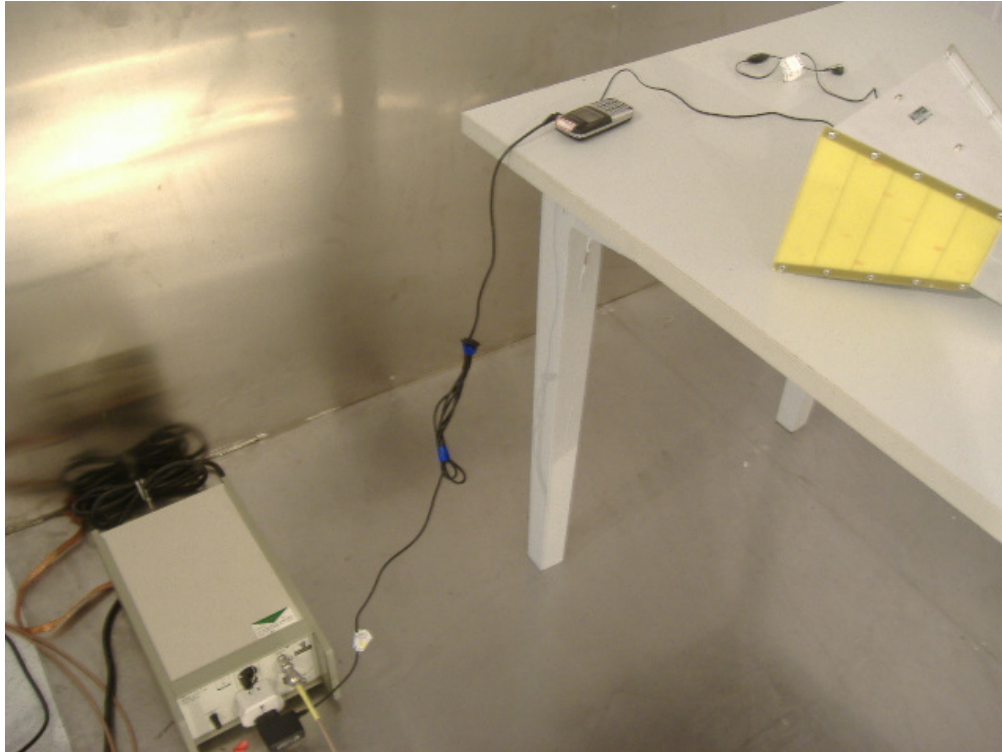
SGS-CSTC Standards Technical Services Co., Ltd.

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

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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

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**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
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