

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

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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.: M5a

Marketing Name: OT-S853a

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: 11 May, 2006

Date of Test: 15 May, 2006 to 31 May, 2006

Date of Issue: 05 June, 2006

Test Result :	PASS
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Authorized Signature:



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



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

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

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

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

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

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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

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4 General Information

4.1 Client Information

Applicant: T&A Mobile Phones
Address of Applicant: 4/F, No.2966, Jinke Rd, Zhangjiang High-Teck Park, Pudong,
Shanghai 201203. P. R. China

4.2 General Description of E.U.T.

EUT Name: GSM Mobile Phone
Model No.: M5a
Marketing Name: OT-S853a
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: MU03-5050050-C5 Input: 100V-240V~, 50/60Hz 0.15A Output:DC 5.0V, 500mA)
P/N: 3DS11022AAAA
Manufactures: Alcatel

Power Cord 01: 2 m

Power Supply 02: AC to DC charger(Model number: MU03-5050050-A1 Input: 100V-240V~, 50/60Hz 0.15A Output:DC 5.0V, 500mA)
P/N: 3DS11022AGAA
Manufactures: Alcatel

Power Cord 02: 2 m

Power Supply03: AC to DC charger (Model number: MU03-5050050-A4 Input: 100V-240V~, 50/60Hz 0.15A Output:DC 5.0V, 500mA)
Manufactures: Alcatel

Power Cord03: 2m

Power Supply04: DC to DC charger (Input: DC 12-24V 0.3A Output: DC 5.0V, 500mA)
P/N: 3DS11023AAAA
Manufactures: Alcatel

Power Cord04: 2 m

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Headset Manufacturers: Alcatel
Battey DC 3.7V / 810mAh
Manufacturers: LG

4.4 Description of Support Units

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

4.5 Standards Applicable for Testing

The customer requested EMC tests for a GSM Mobile Phone.

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

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

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

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

4.6 Test Location

Radiated Emission was performed at:

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

Conducted Emission was performed at SGS E&E EMC lab

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

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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	HORN ANTENNA	R&S	HF 906	100023	2005.07.24	2006.07.23
2	BROADBAND ANTENNA	R&S	HL 562	100019	2005.10.10	2006.10.09
3	EMI TEST RECEIVER	R&S	ESI 26	838786/011	2005.08.13	2006.08.13
4	UNIVERSAL RADIO COMMUNICATION TESTER	R&S	CMU 200	SHEM04-1	2005.09.01	2006.08.31

Conducted Emission CFR 47 part 15: 2005

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

General Equipment

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

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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:	20 May 2006
Frequency Range:	30MHz to 1GHz
Measurement Distance:	3m for ANSI C63.4 and 10m for CISPR 22
Class:	N/A
Detector:	Peak for pre-scan (120kHz resolution bandwidth)

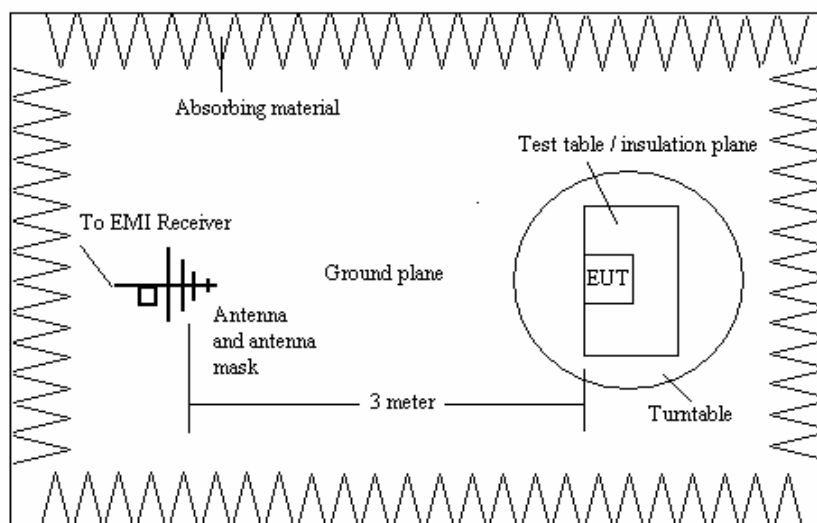
6.1.1 E.U.T. Operation

Operating Environment:

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

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

6.1.2 Test setup:



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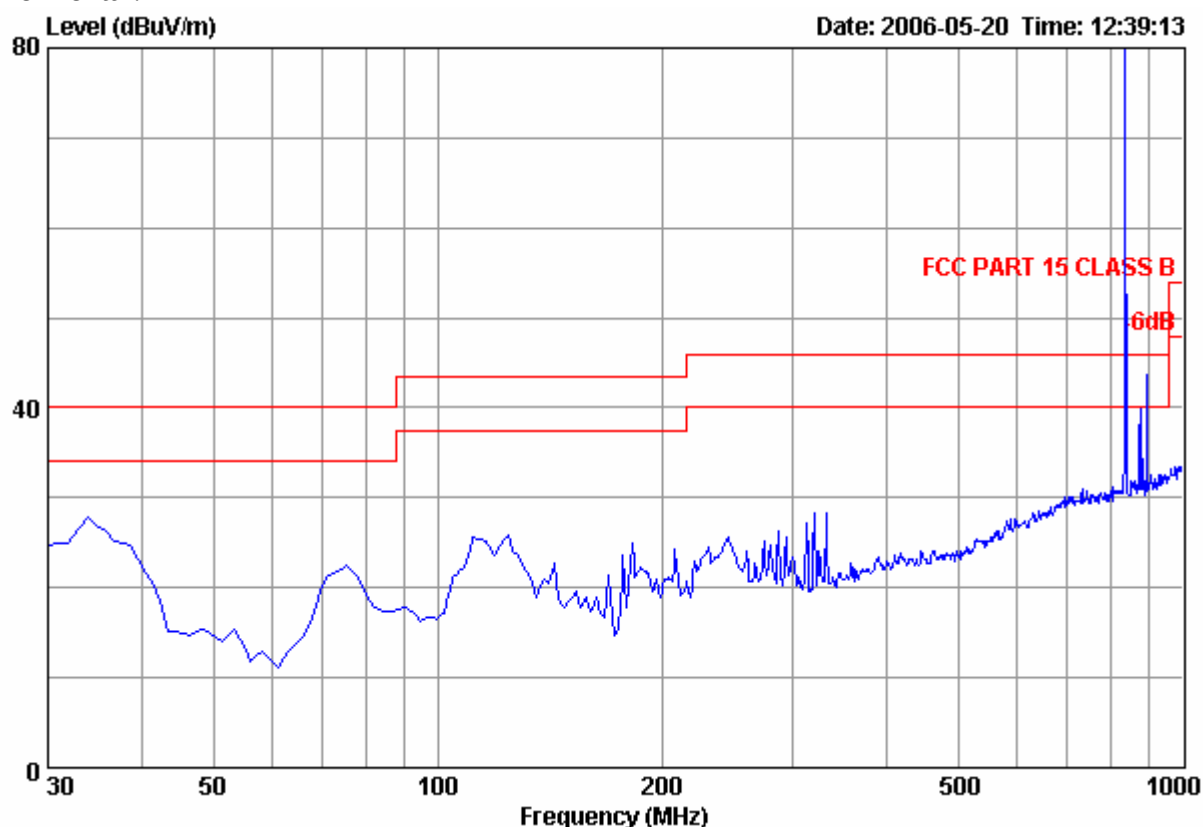
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6.1.3 Test Result:

GSM 850 connected: (test Mobile with MU03-5050050-C5 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.

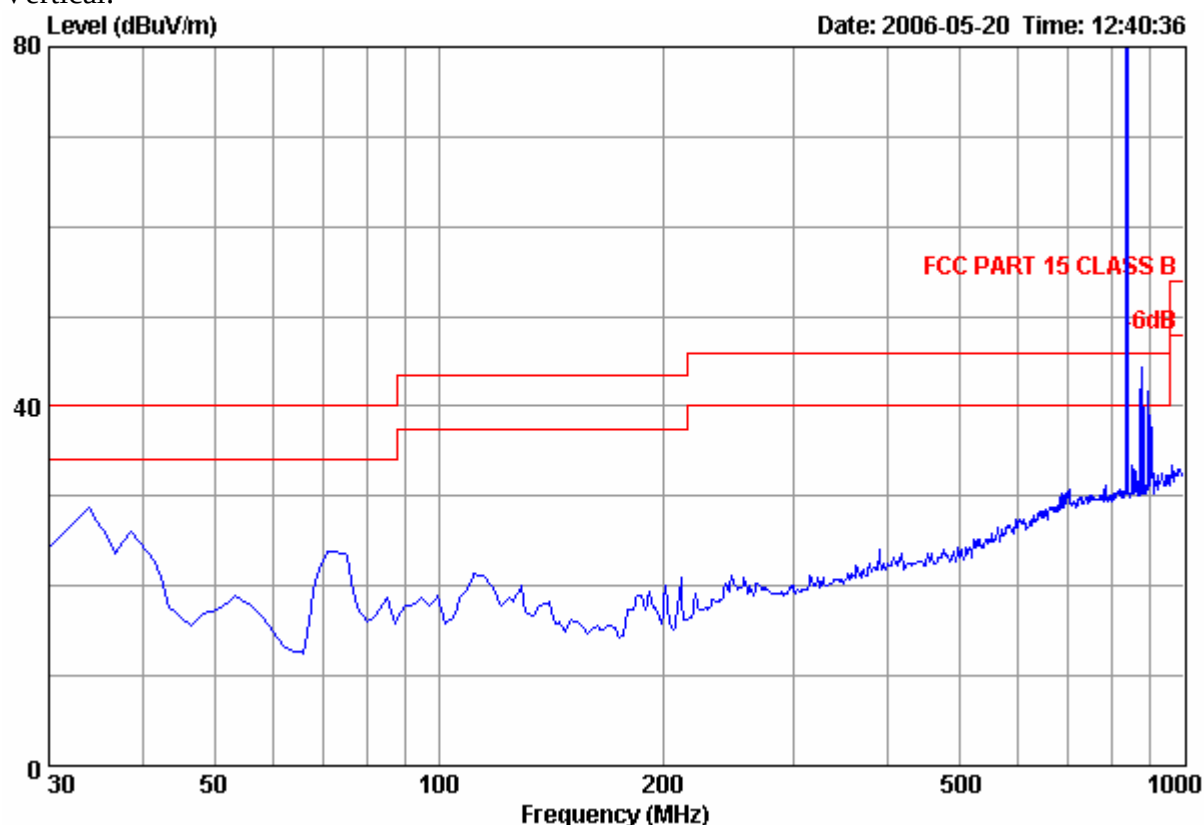
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Vertical:



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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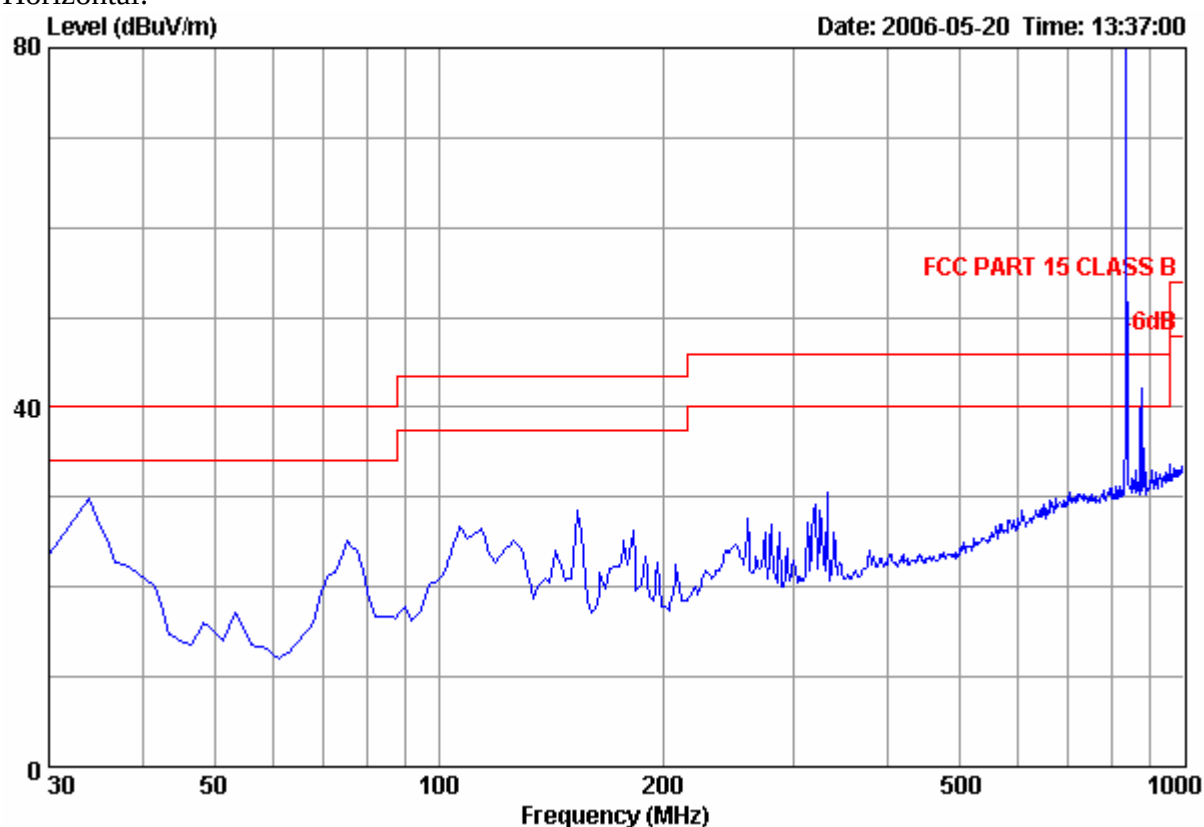
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GSM 850 connected: (test Mobile with MU03-5050050-A1 adaptor and headset.)

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	*		

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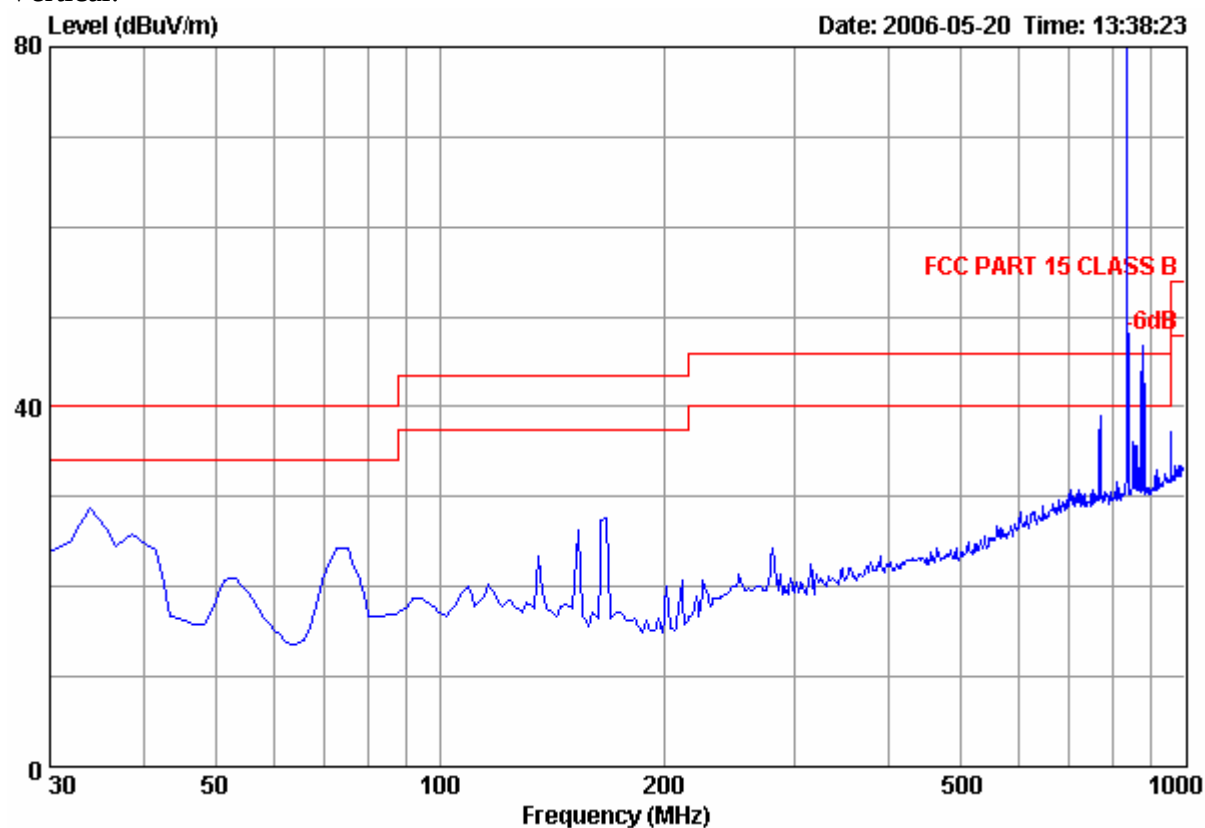
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Vertical:



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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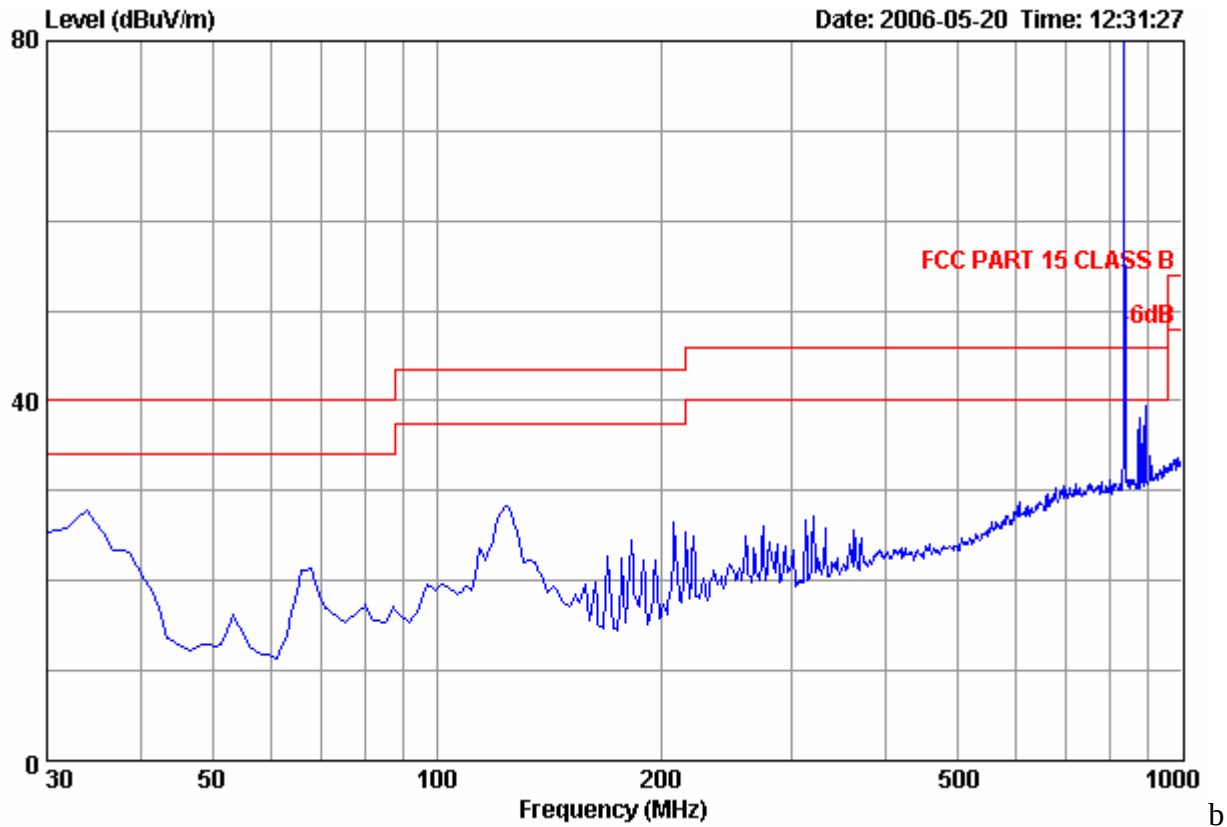
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GSM 850 connected: (test Mobile with MU03-5050050-A4 adaptor and headset.)

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	*		

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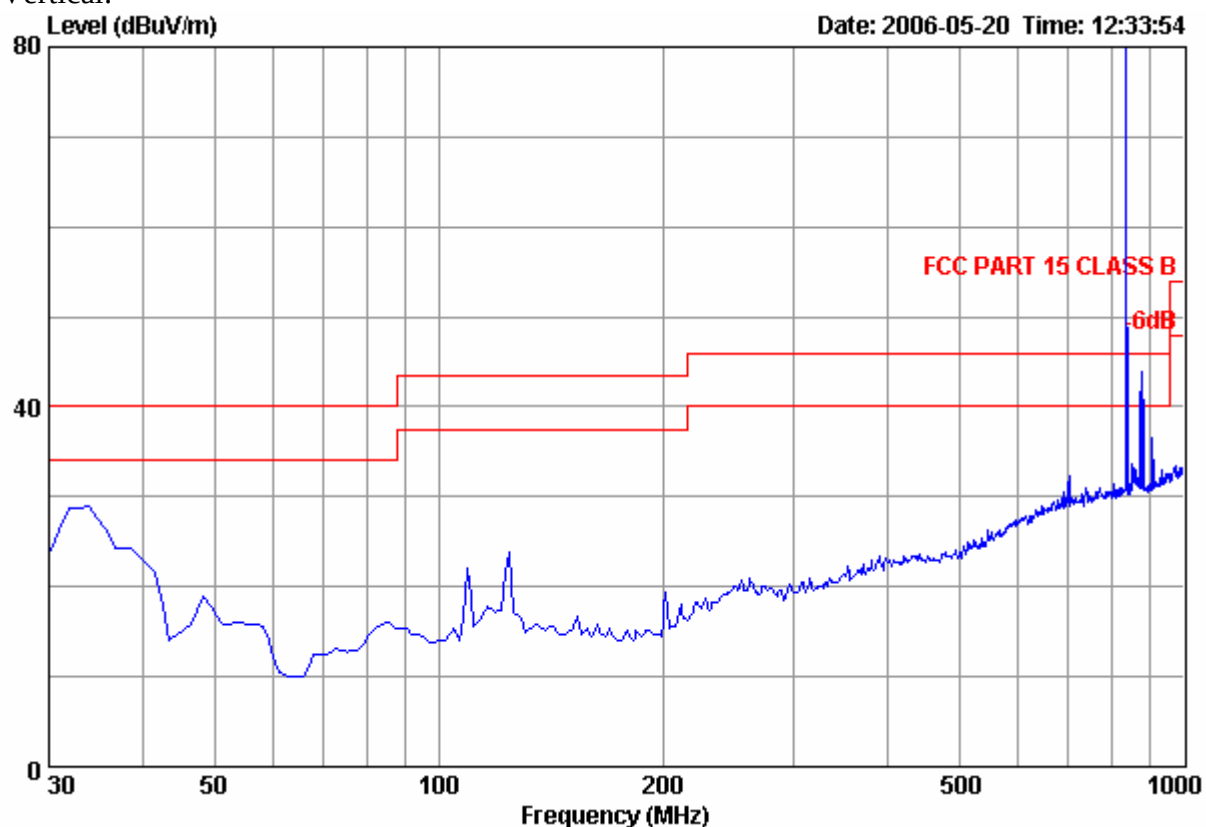
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Vertical:



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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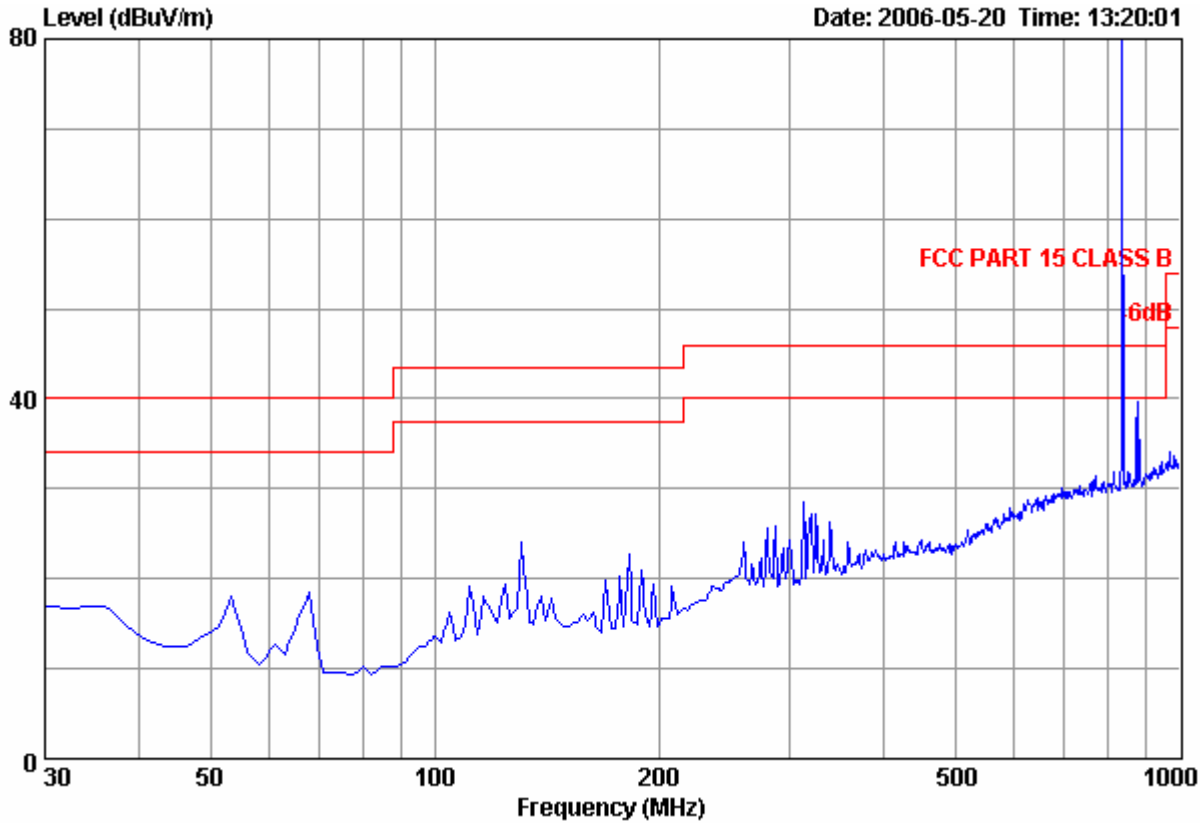
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GSM 850 connected: (test Mobile with 3DS11023AAAA adaptor and headset.)

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.

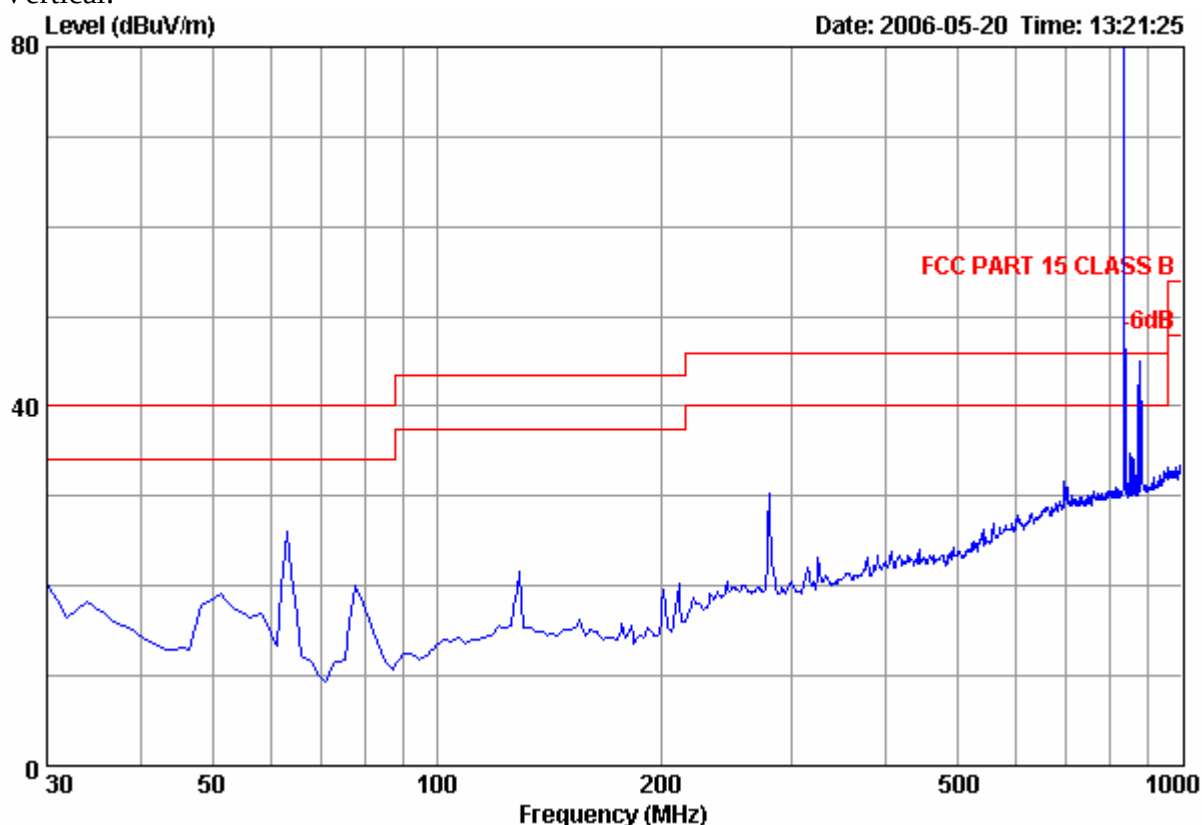
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Vertical:



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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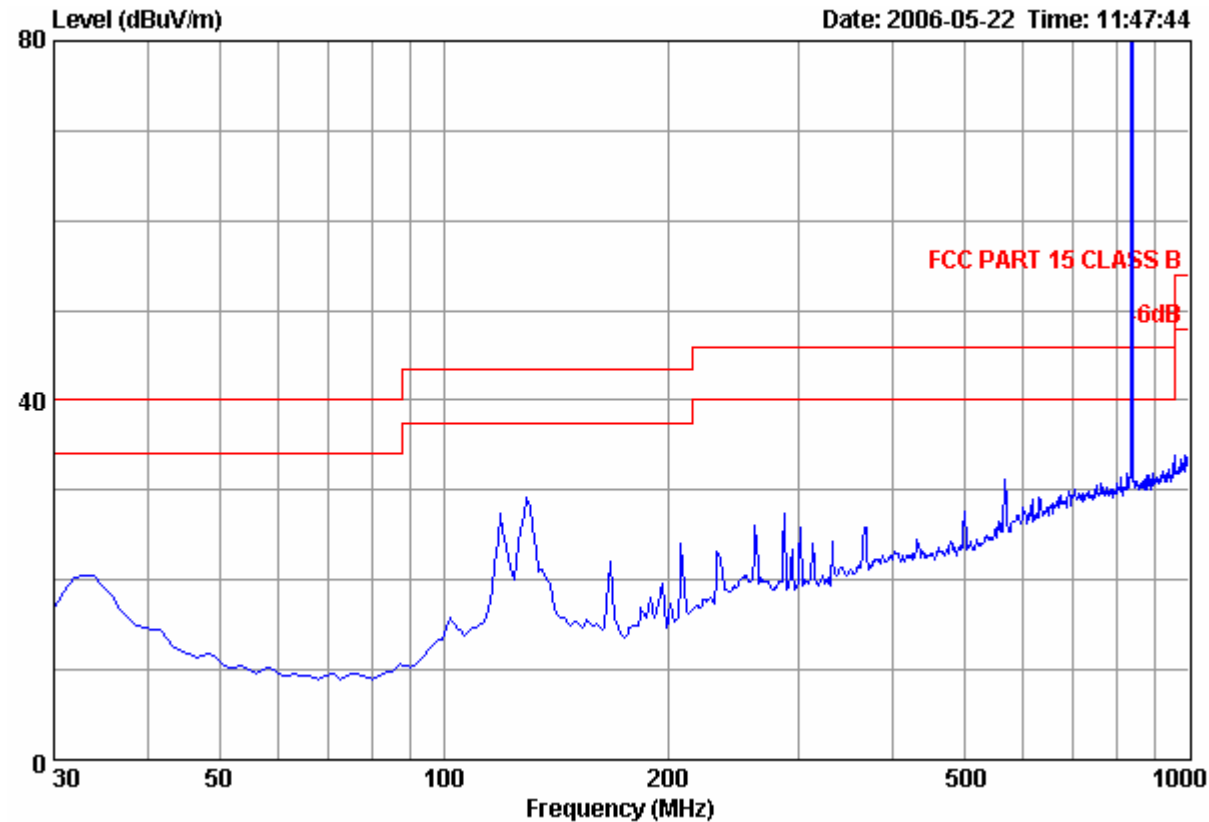
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GSM 850 connected: (test Mobile connected to PC and headset.)

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	*		

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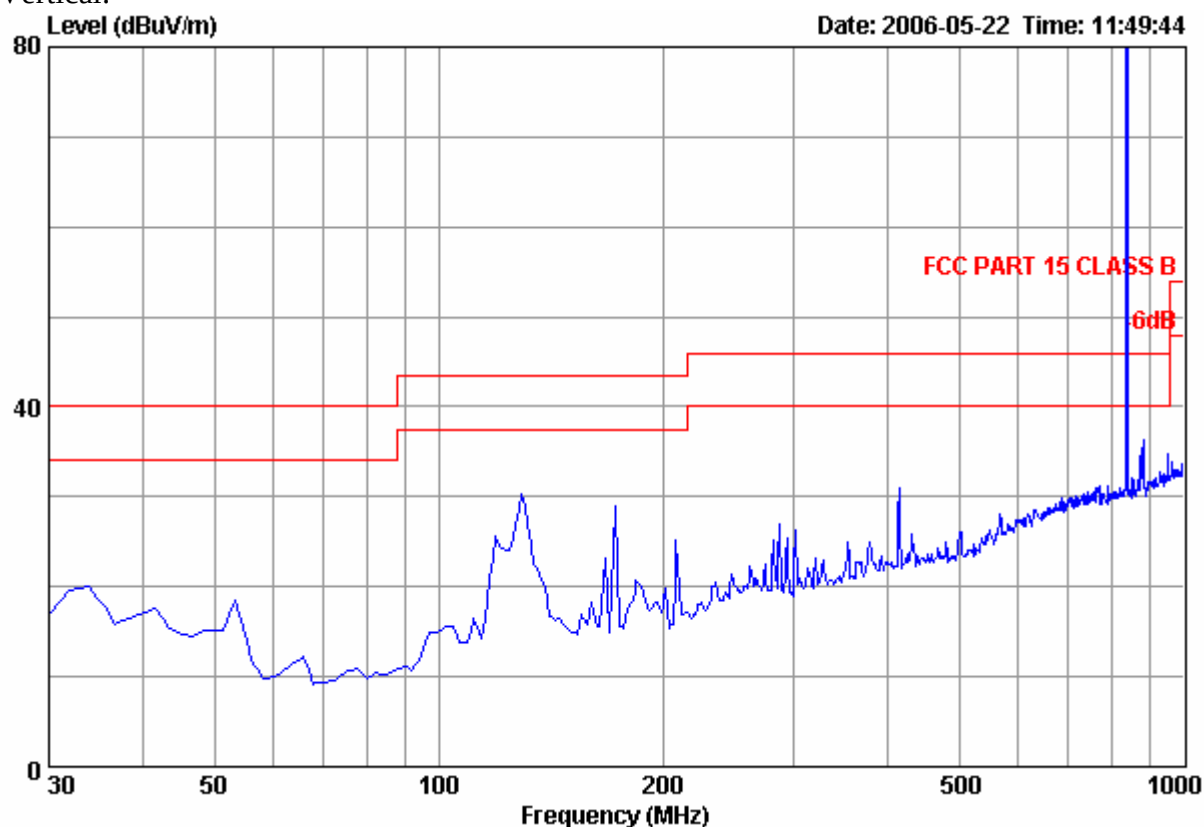
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Vertical:



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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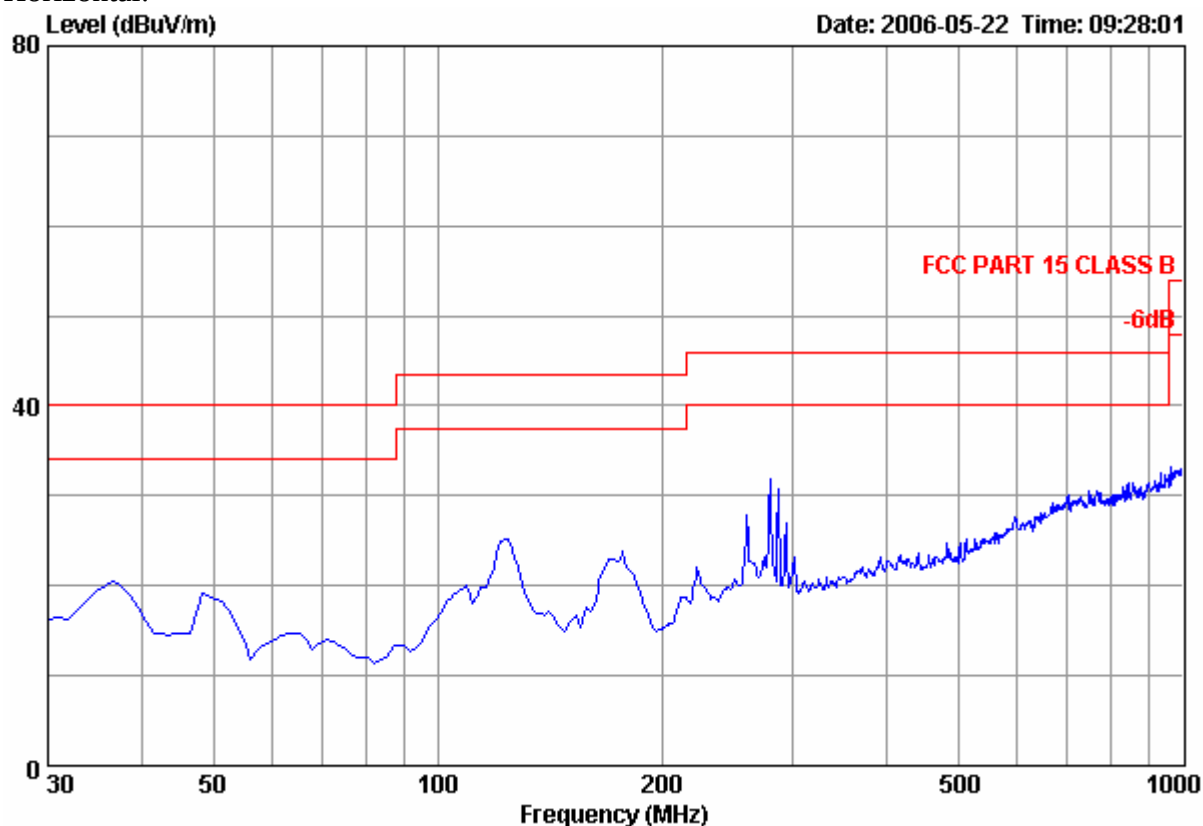
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PCS 1900 connected: (test Mobile with MU03-5050050-C5 adaptor and headset.)

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.

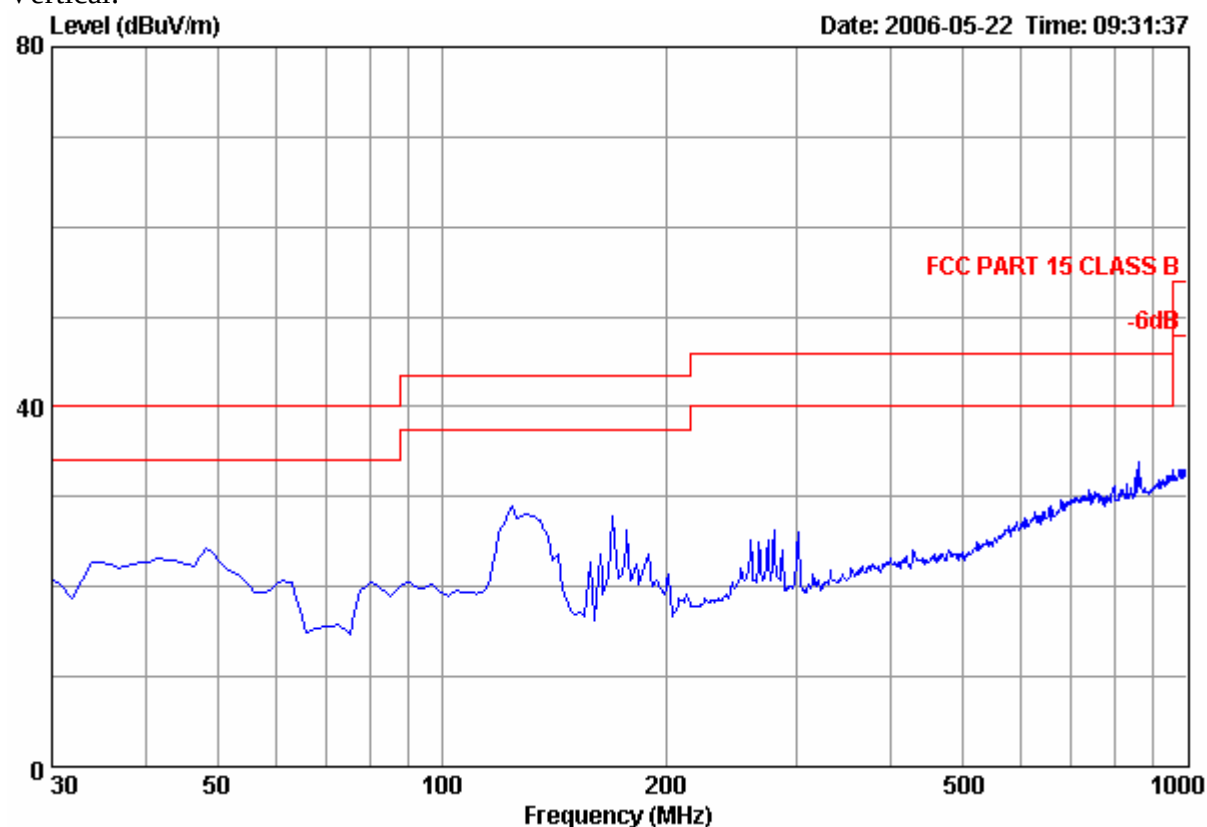
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Vertical:



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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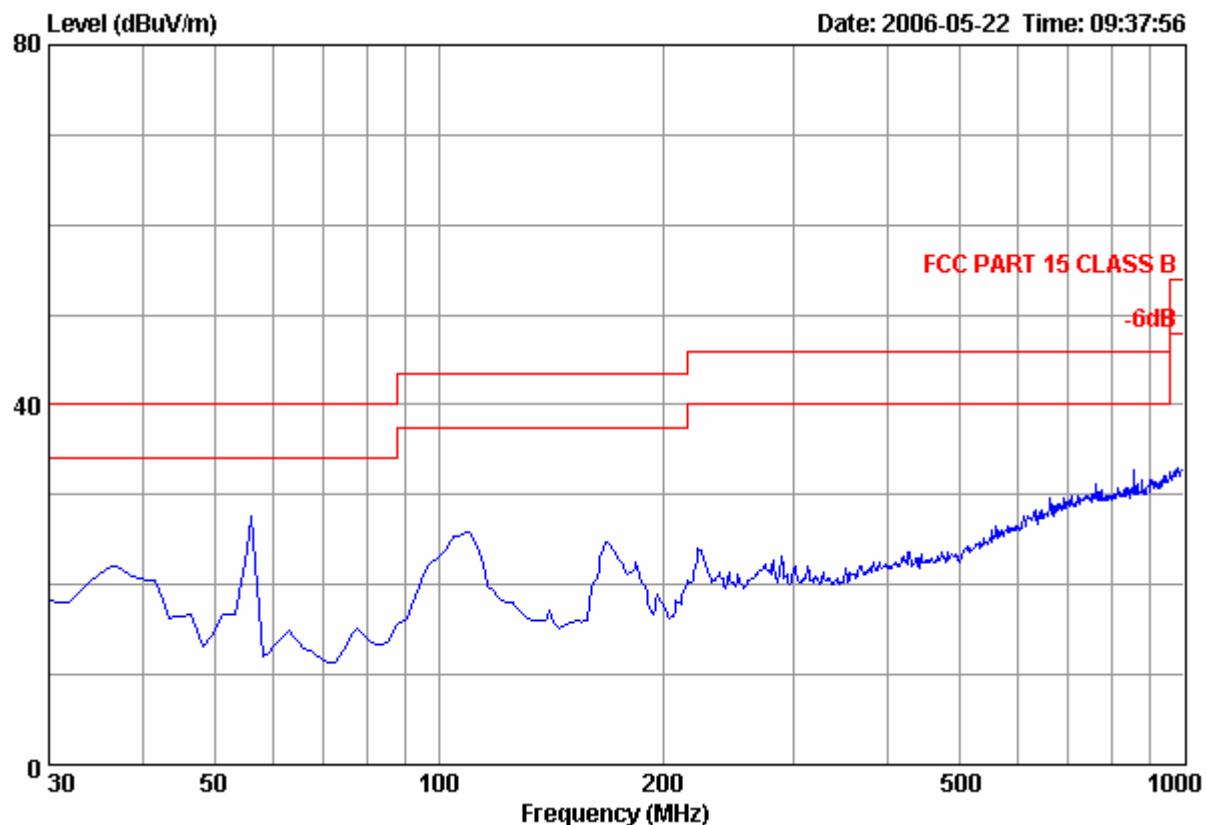
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PCS 1900 connected: (test Mobile with MU03-5050050-A1 adaptor and headset.)

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.

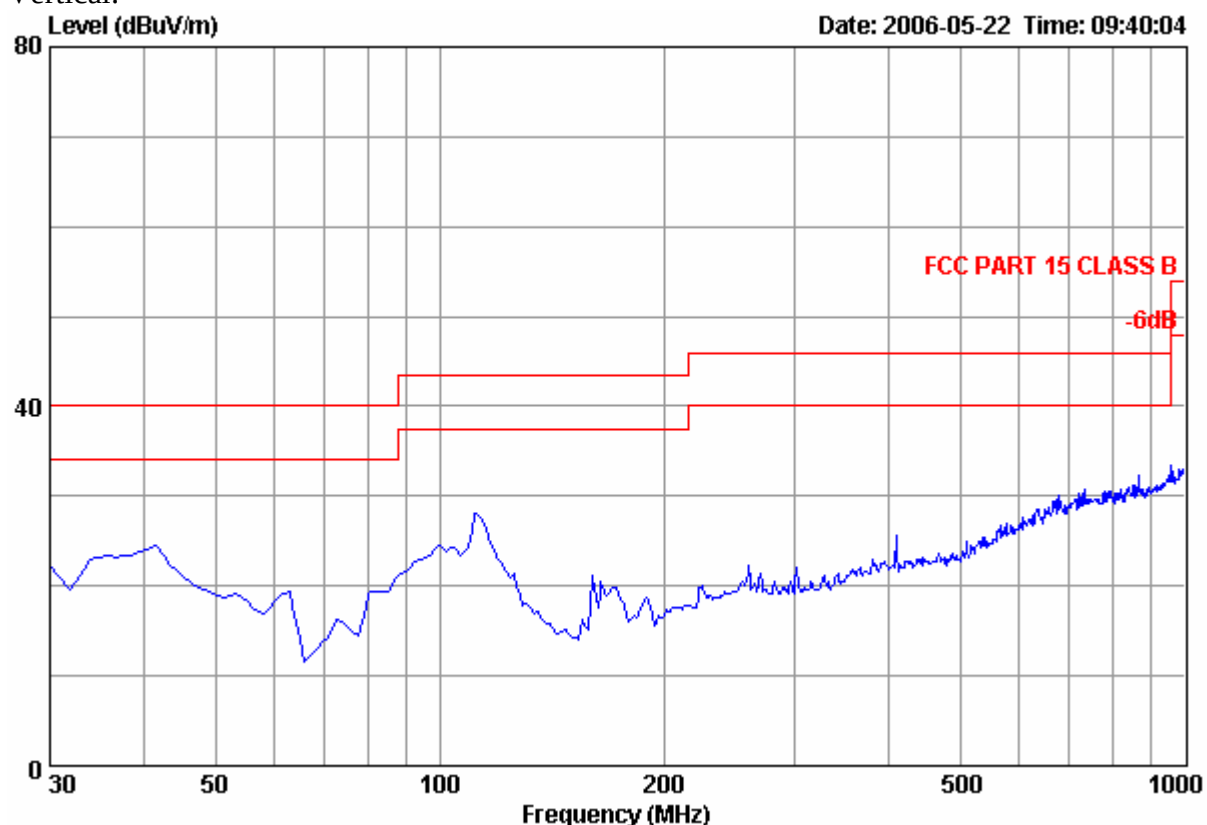
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Vertical:



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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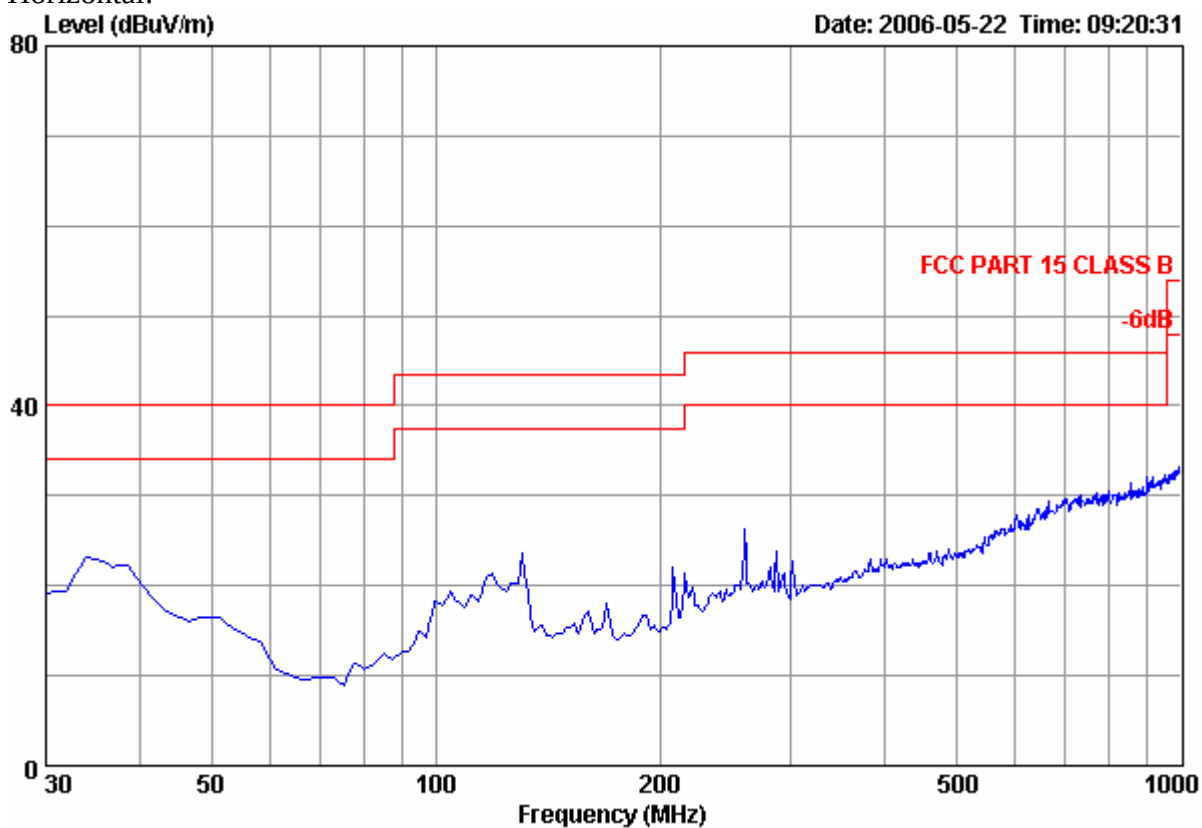
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PCS 1900 connected: (test Mobile with MU03-5050050-A4 adaptor and headset.)

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.

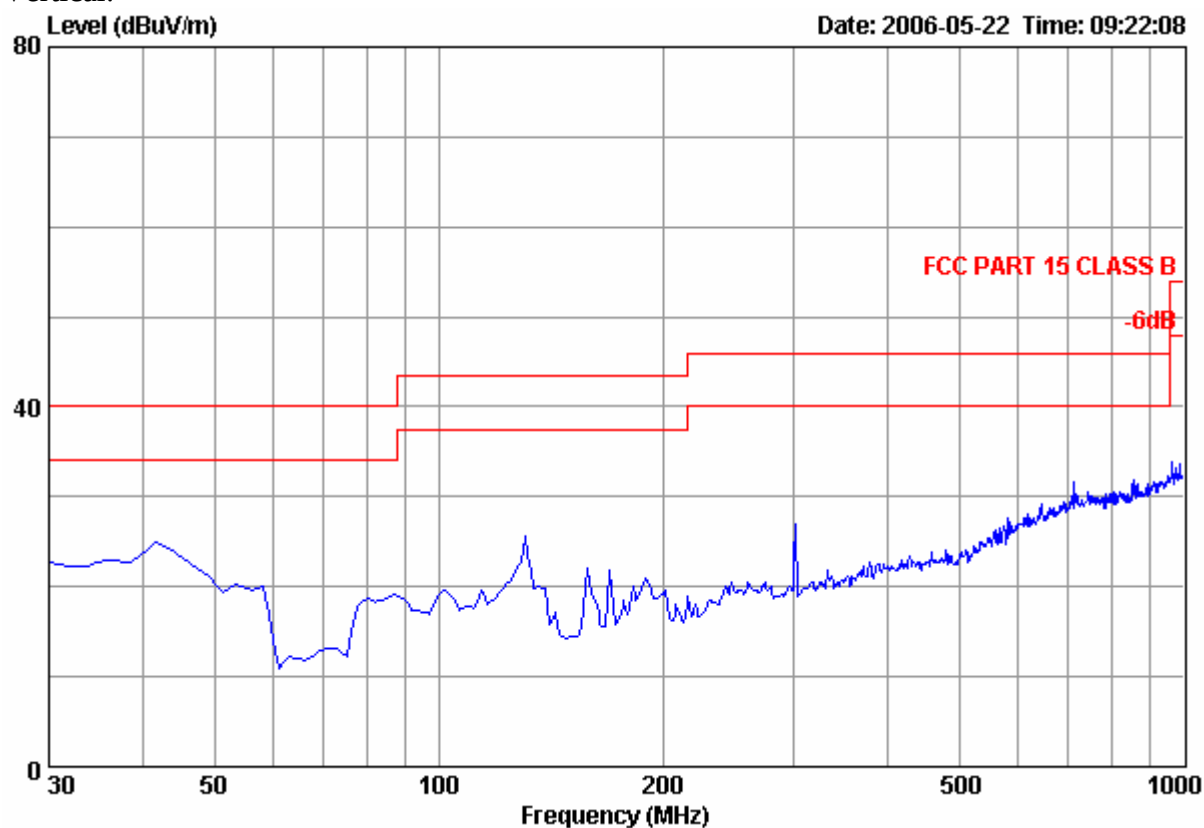
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Vertical:



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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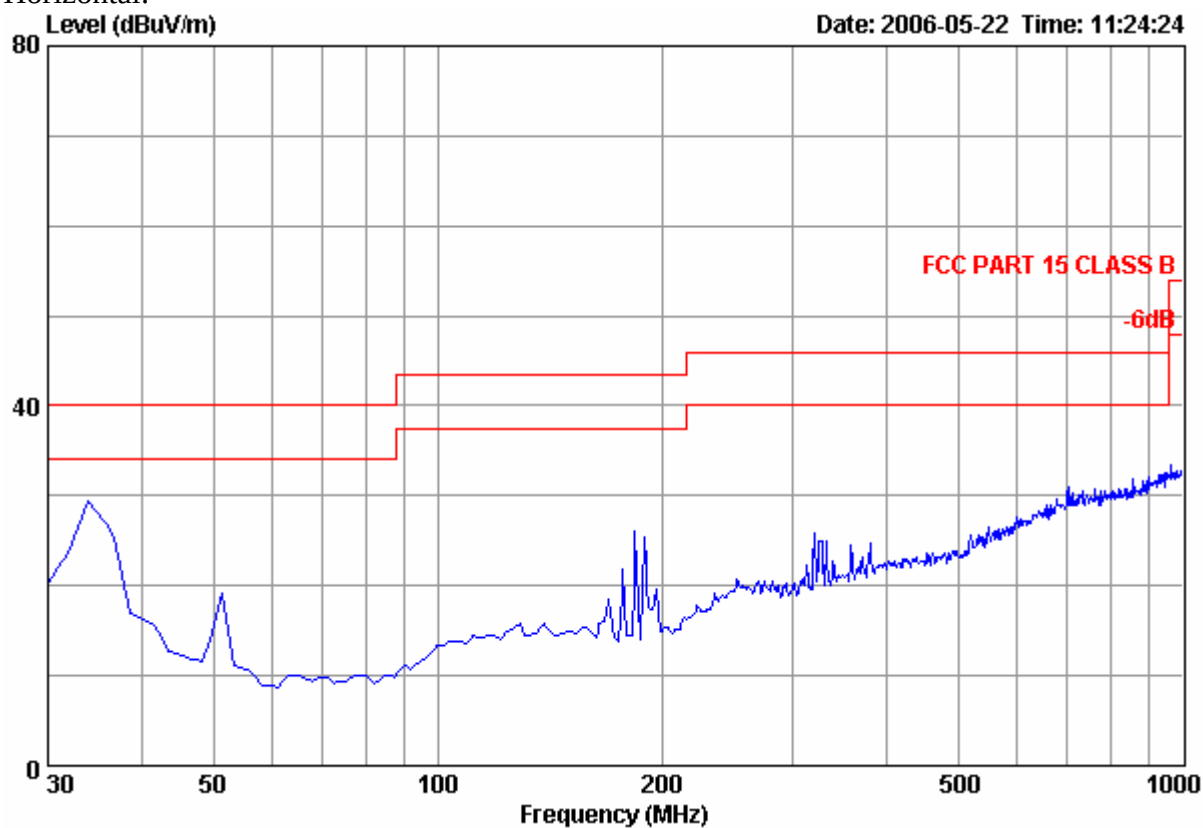
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PCS 1900 connected: (test Mobile with 3DS11023AAAA adaptor and headset.)

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.

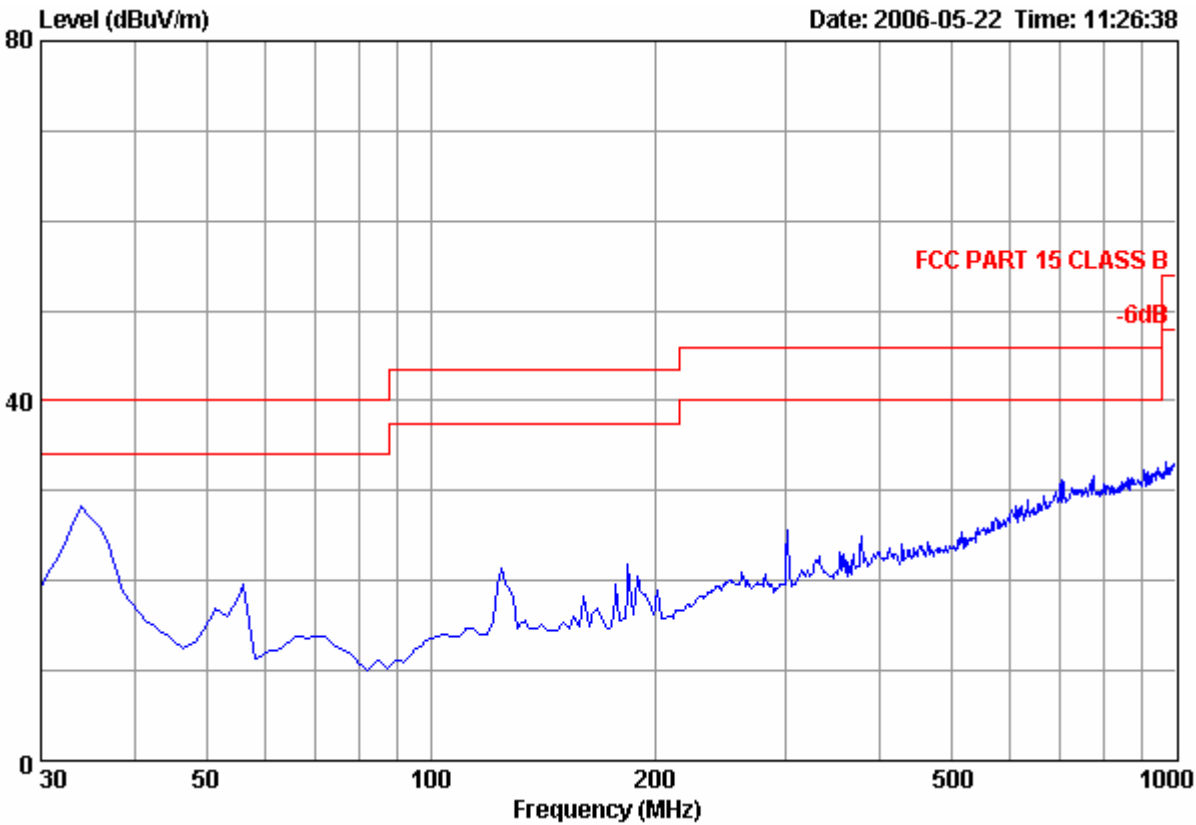
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Vertical:



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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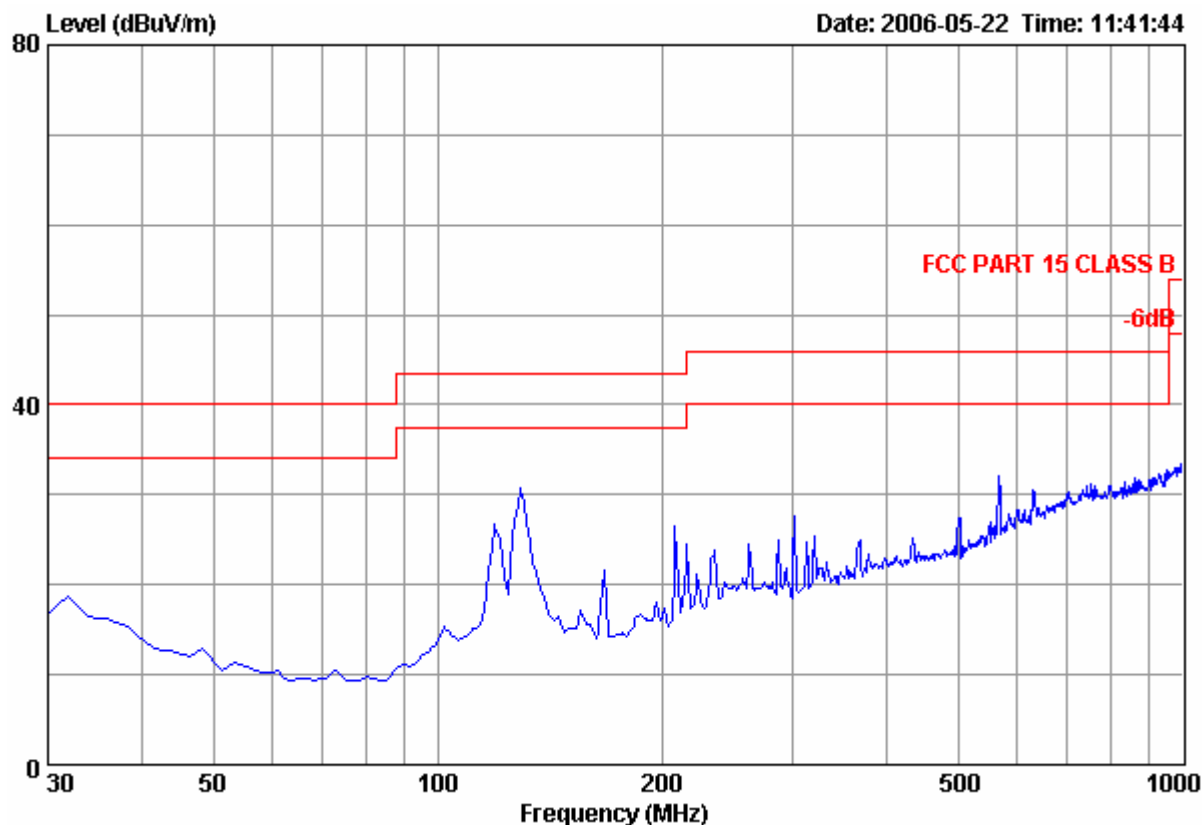
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PCS 1900 connected: (test Mobile connected to PC and headset.)

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.

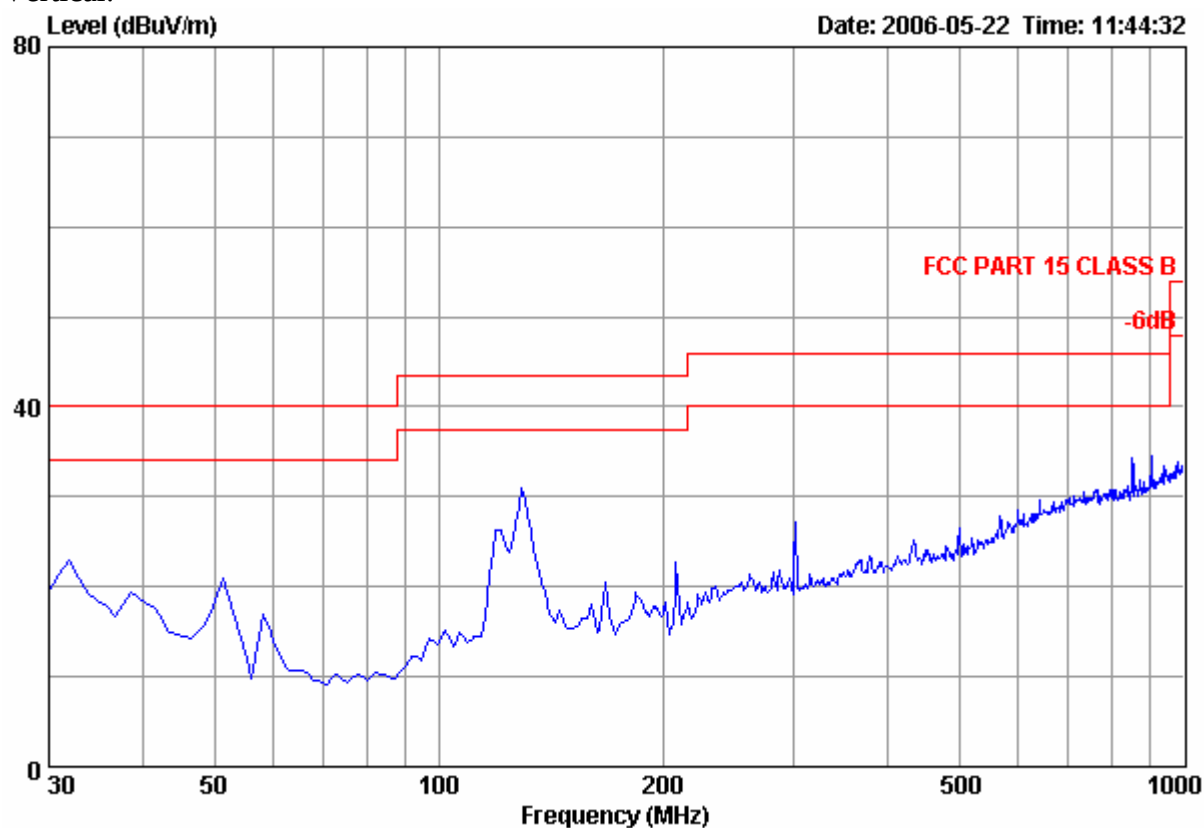
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Vertical:



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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6.2 Conducted Emissions, 150kHz to 30MHz

Test Requirement:	CFR 47 part 15
Test Method:	ANSI C63.4
Test Date:	31 May, 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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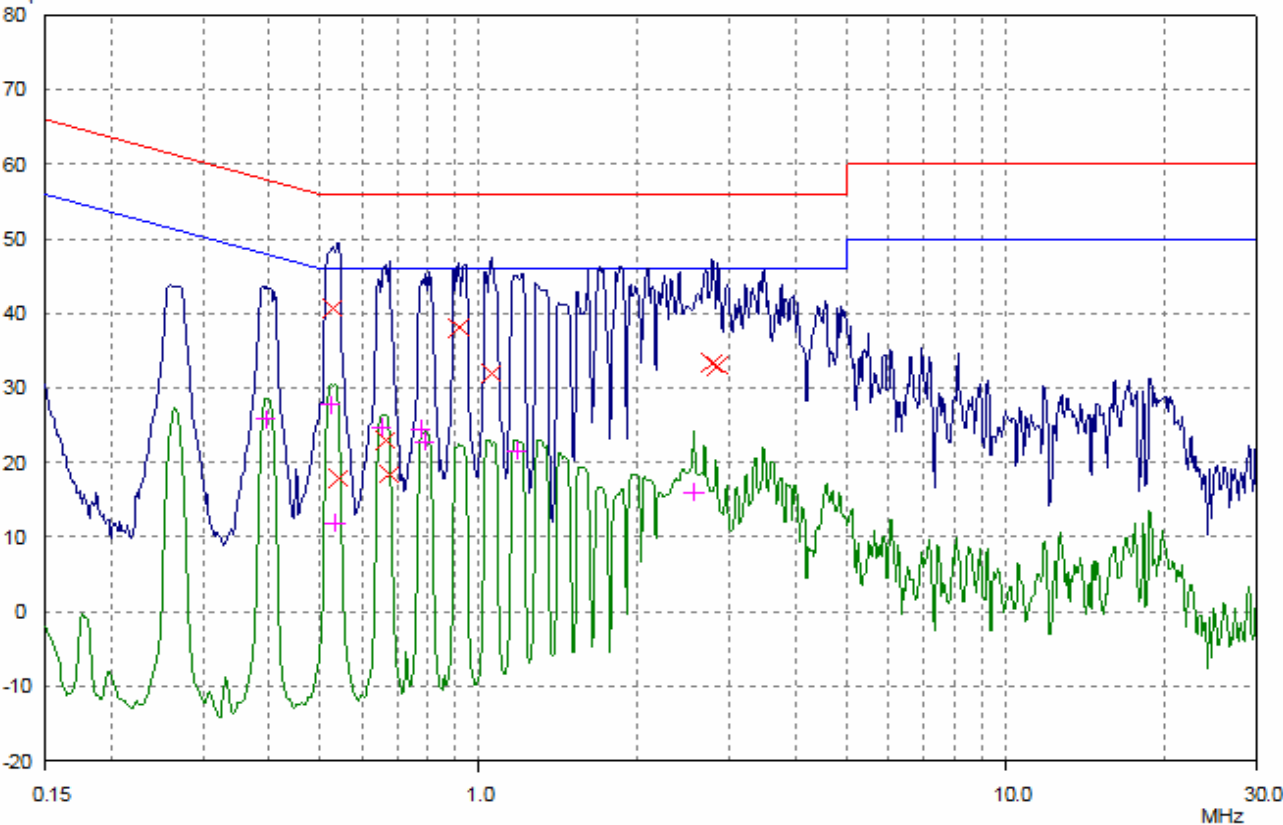
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GSM 850 connected: (test Mobile with MU03-5050050-C5 adaptor and headset.)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.52826	40.68	56.00	15.32
0.54104	17.84	56.00	38.16
0.66559	22.97	56.00	33.03
0.67628	18.45	56.00	37.55
0.91544	38.11	56.00	17.89
1.05662	32.03	56.00	23.97
2.77106	33.35	56.00	22.65
2.83809	32.96	56.00	23.04

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.39338	25.80	47.99	22.19
0.52407	27.69	46.00	18.31
0.53249	11.75	46.00	34.25
0.65507	24.66	46.00	21.34
0.77439	24.42	46.00	21.58
0.78683	22.78	46.00	23.22
1.18132	21.64	46.00	24.36
2.55882	16.02	46.00	29.98

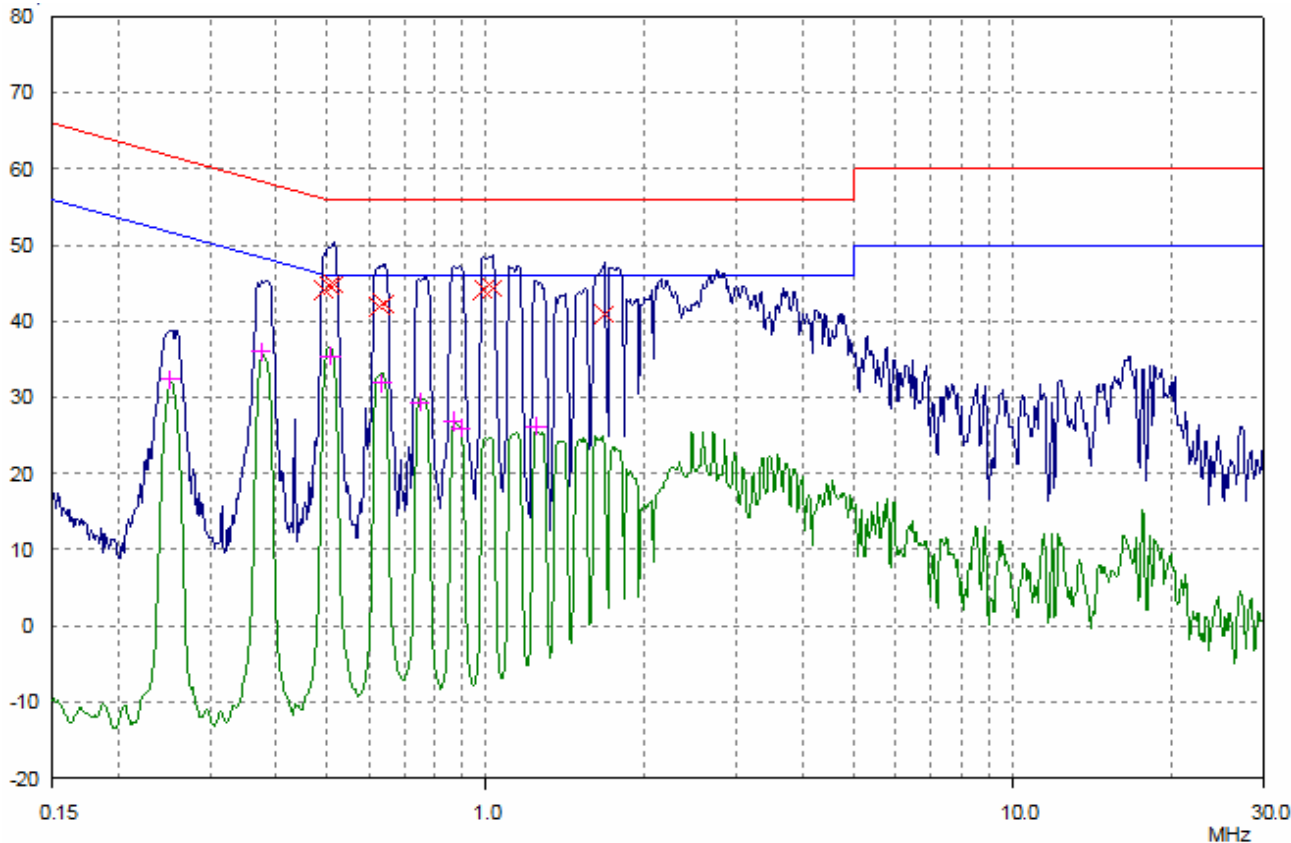
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N Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.49171	44.05	56.14	12.09
0.5036	44.65	56.00	11.35
0.51578	44.79	56.00	11.21
0.62948	41.90	56.00	14.10
0.63959	42.35	56.00	13.65
0.99137	44.11	56.00	11.89
1.03166	44.33	56.00	11.67
1.67738	40.92	56.00	15.08

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.25178	32.36	51.70	19.34
0.37501	35.94	48.39	12.45
0.50763	35.43	46.00	10.57
0.63452	31.85	46.00	14.15
0.75009	29.41	46.00	16.59
0.86578	26.80	46.00	19.20
0.90097	25.95	46.00	20.05
1.24908	26.14	46.00	19.86

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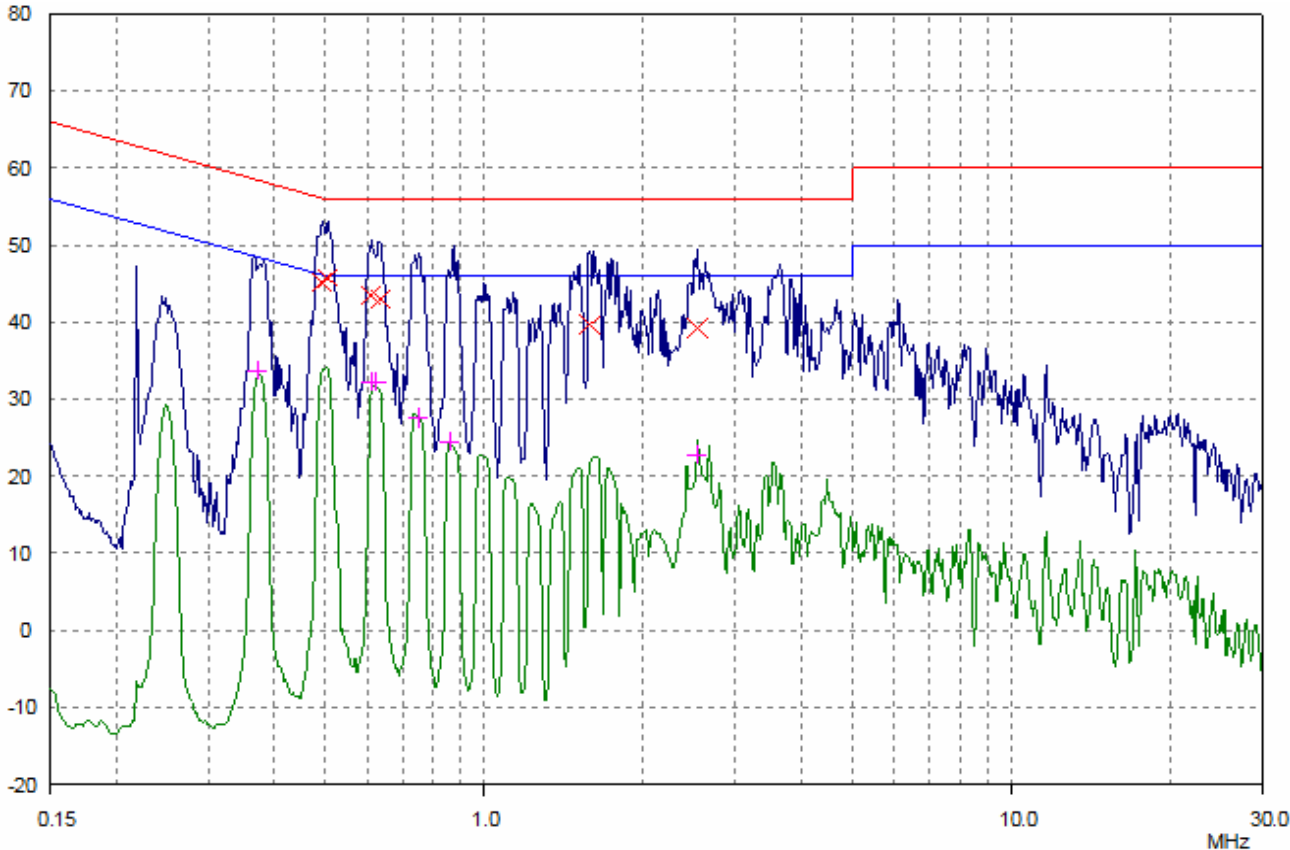
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GSM 850 connected: (test Mobile with MU03-5050050-A1 adaptor and headset.)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.49171	45.18	56.14	10.96
0.5036	45.75	56.00	10.25
0.60974	43.45	56.00	12.55
0.63452	42.95	56.00	13.05
1.58638	39.70	56.00	16.30
2.53851	39.31	56.00	16.69

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.37204	33.68	48.46	14.78
0.60974	32.23	46.00	13.77
0.62449	32.29	46.00	13.71
0.75009	27.48	46.00	18.52
0.85891	24.45	46.00	21.55
2.53851	22.71	46.00	23.29

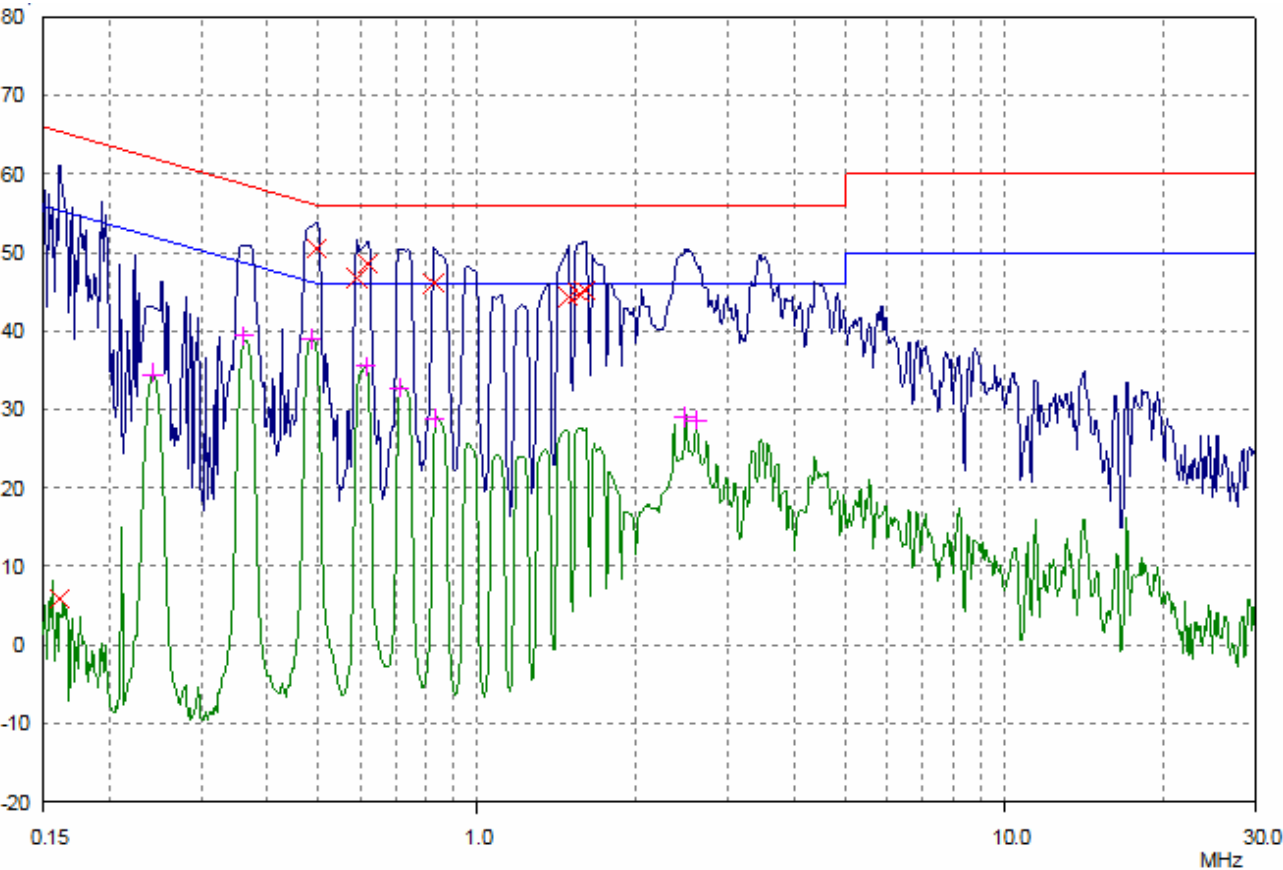
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N Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.16115	5.86	65.40	59.54
0.49564	50.55	56.07	5.52
0.59061	46.80	56.00	9.20
0.61953	48.50	56.00	7.50
0.82536	46.13	56.00	9.87
1.48841	44.32	56.00	11.68
1.5613	44.77	56.00	11.23
1.59907	45.10	56.00	10.90

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.24194	34.49	52.03	17.54
0.36037	39.40	48.72	9.32
0.48393	38.94	46.27	7.33
0.61461	35.46	46.00	10.54
0.71508	32.68	46.00	13.32
0.83196	28.84	46.00	17.16
2.47855	29.03	46.00	16.97
2.59993	28.47	46.00	17.53

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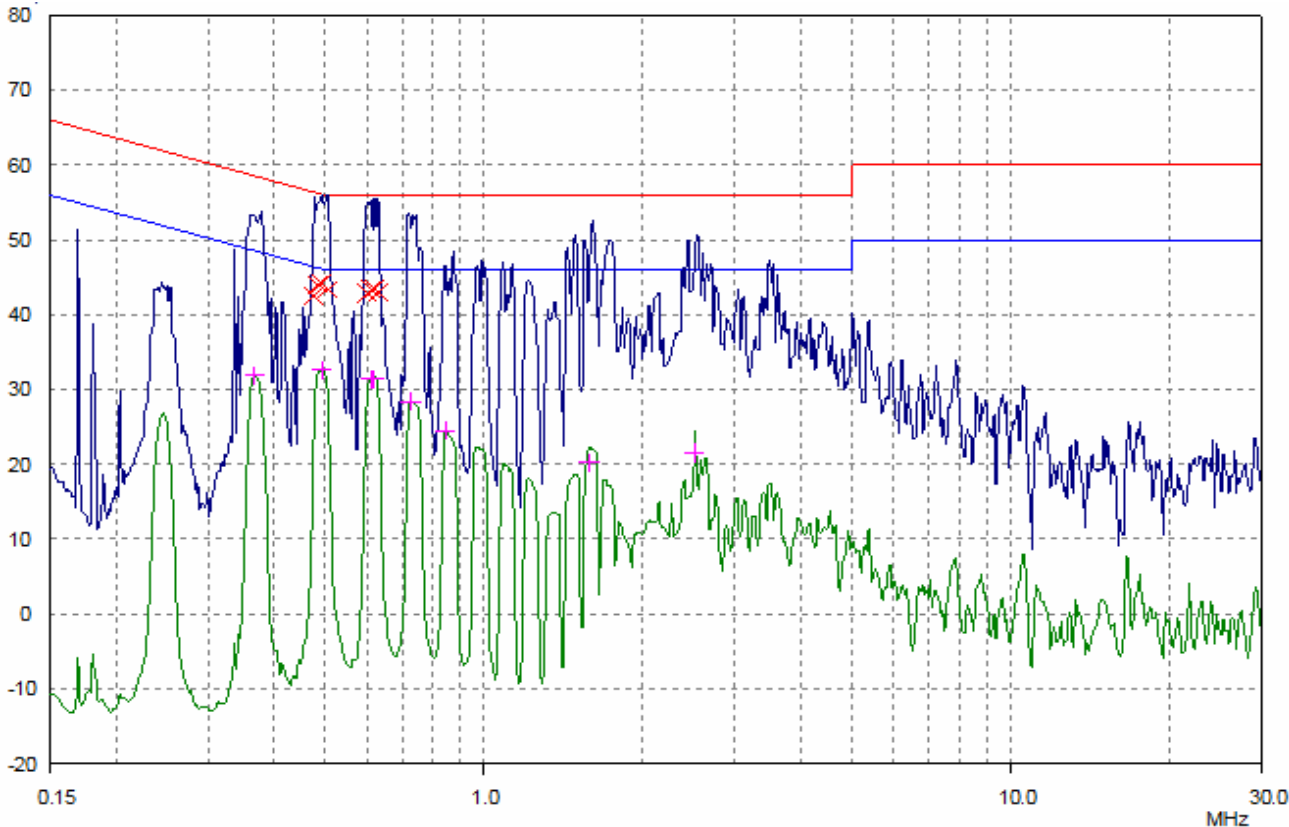
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GSM 850 connected: (test Mobile with MU03-5050050-A4 adaptor and headset.)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.47628	42.49	56.40	13.91
0.48393	44.02	56.27	12.25
0.49171	44.17	56.14	11.97
0.5036	43.36	56.00	12.64
0.6001	42.91	56.00	13.09
0.60974	43.35	56.00	12.65
0.61953	43.51	56.00	12.49
0.62948	43.03	56.00	12.97

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.36615	31.85	48.59	16.74
0.49171	32.57	46.14	13.57
0.60974	31.32	46.00	14.68
0.61953	31.32	46.00	14.68
0.72656	28.34	46.00	17.66
0.84533	24.46	46.00	21.54
1.58638	20.26	46.00	25.74
2.51837	21.43	46.00	24.57

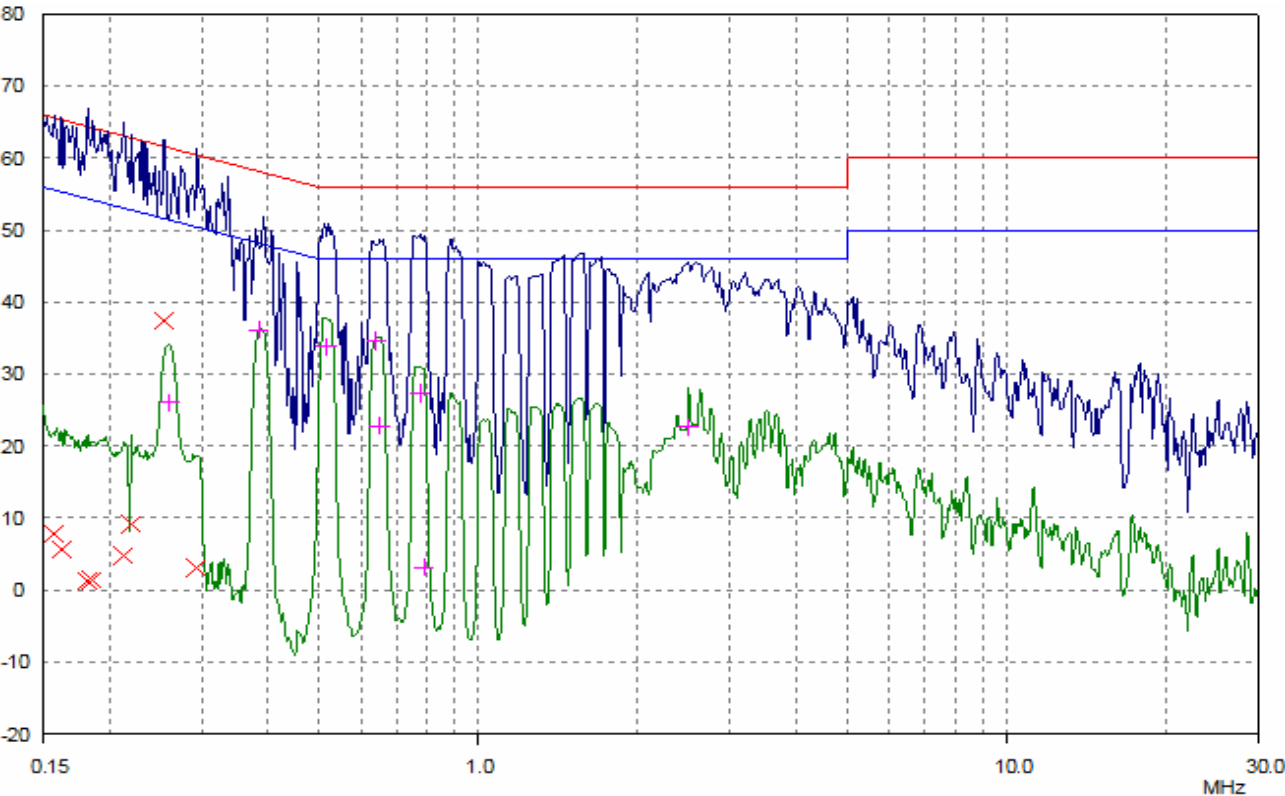
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N Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.15734	7.75	65.60	57.85
0.16244	5.58	65.34	59.76
0.18161	1.30	64.41	63.11
0.186	1.44	64.21	62.77
0.21298	4.77	63.09	58.32
0.21988	9.16	62.82	53.66
0.25379	37.38	61.63	24.25
0.29293	3.09	60.44	57.35

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.25993	26.02	51.43	25.41
0.38409	36.01	48.19	12.18
0.51578	33.76	46.00	12.24
0.63959	34.57	46.00	11.43
0.64987	22.81	46.00	23.19
0.77439	27.27	46.00	18.73
0.78683	3.20	46.00	42.80
2.49838	22.70	46.00	23.30

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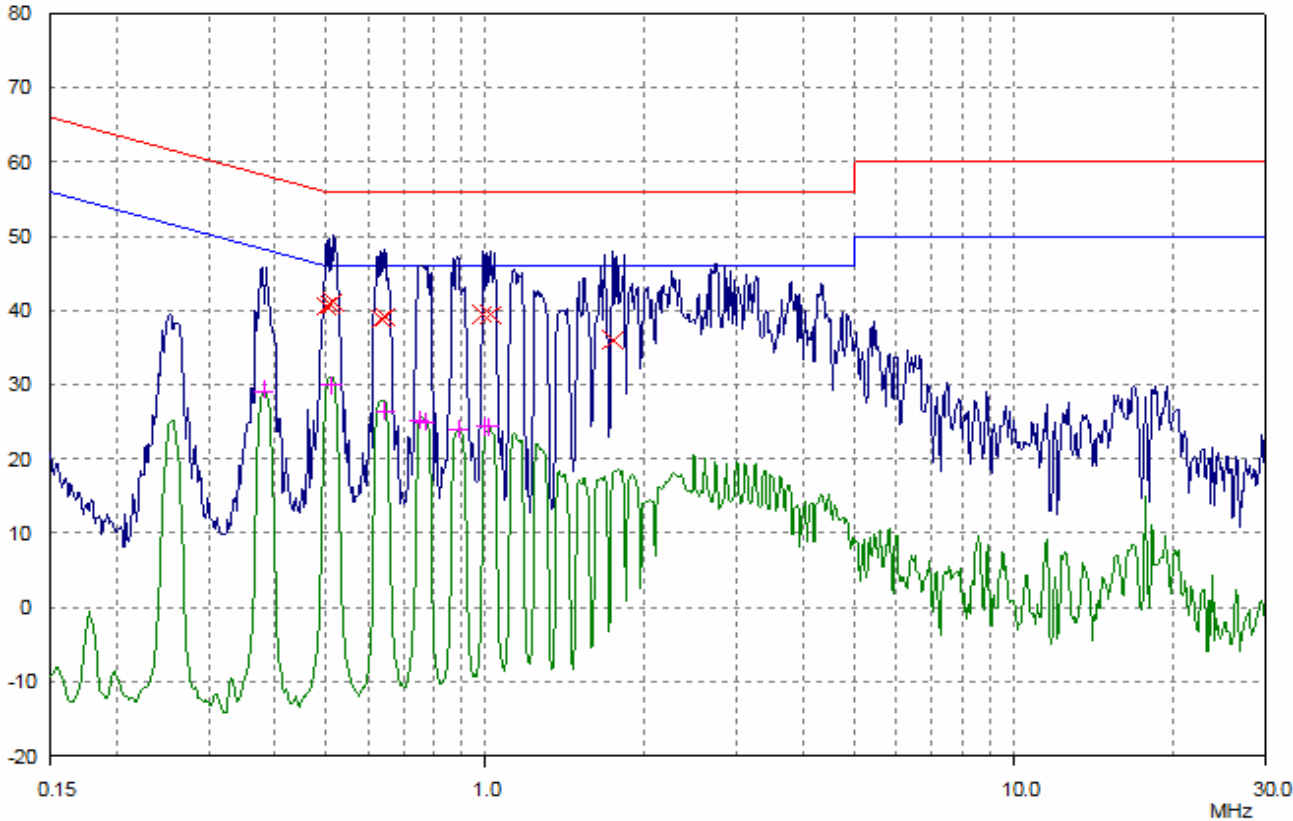
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PCS1900 connected: (test Mobile with MU03-5050050-C5 adaptor and headset.)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.49961	40.55	56.01	15.46
0.50763	40.76	56.00	15.24
0.51578	41.07	56.00	14.93
0.63452	38.84	56.00	17.16
0.64471	39.06	56.00	16.94
0.99137	39.46	56.00	16.54
1.02348	39.39	56.00	16.61
1.74556	36.03	56.00	19.97

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.38104	29.17	48.26	19.09
0.51169	29.90	46.00	16.10
0.64471	26.51	46.00	19.49
0.75009	25.21	46.00	20.79
0.76824	25.00	46.00	21.00
0.88672	24.07	46.00	21.93
0.9993	24.35	46.00	21.65
1.01535	24.34	46.00	21.66

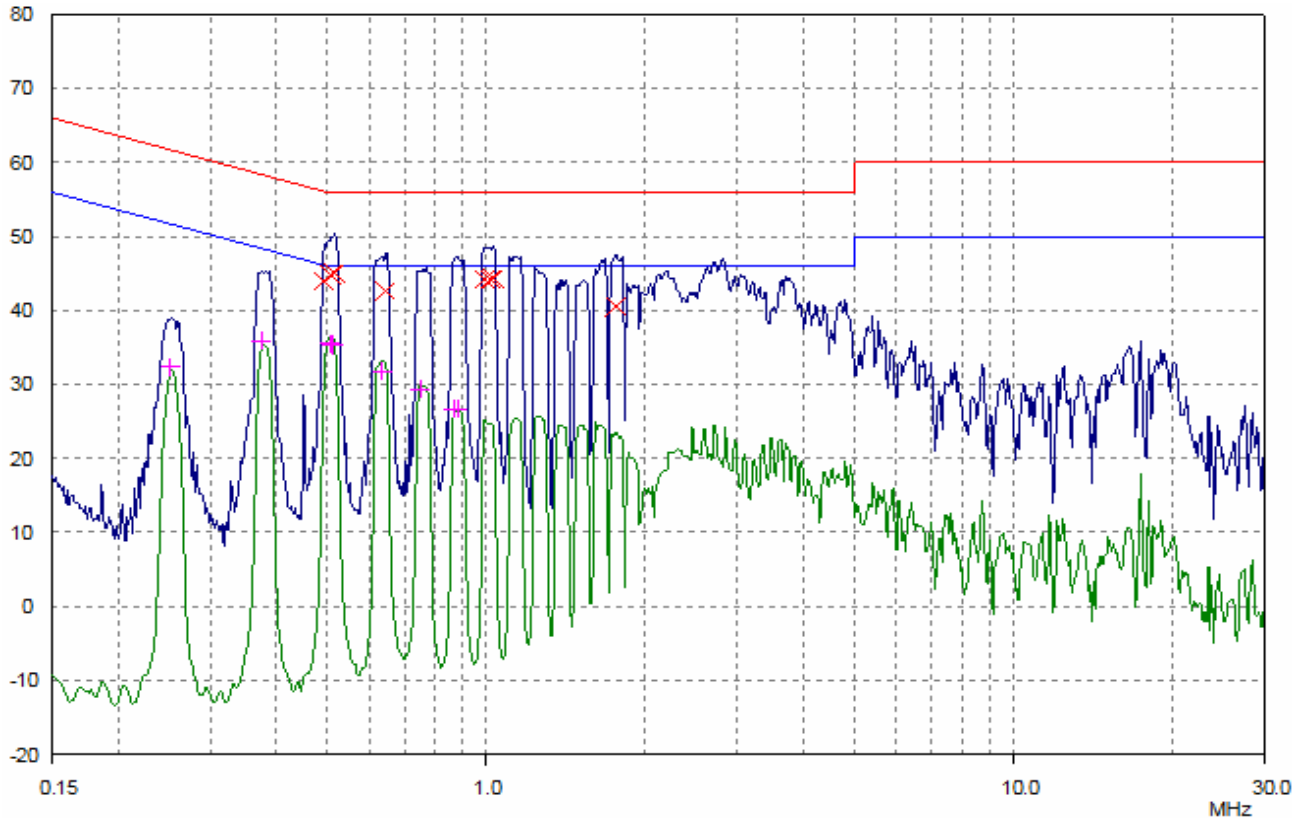
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N Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.49171	43.91	56.14	12.23
0.50763	44.75	56.00	11.25
0.51578	44.93	56.00	11.07
0.64471	42.59	56.00	13.41
0.99137	44.13	56.00	11.87
1.01535	44.23	56.00	11.77
1.03166	44.20	56.00	11.80
1.75952	40.50	56.00	15.50

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.25178	32.36	51.70	19.34
0.37501	35.86	48.39	12.53
0.5036	35.51	46.00	10.49
0.51169	35.26	46.00	10.74
0.63452	31.79	46.00	14.21
0.75009	29.32	46.00	16.68
0.86578	26.74	46.00	19.26
0.87968	26.74	46.00	19.26

SGS-CSTC Standards
Technical Services Co., Ltd.

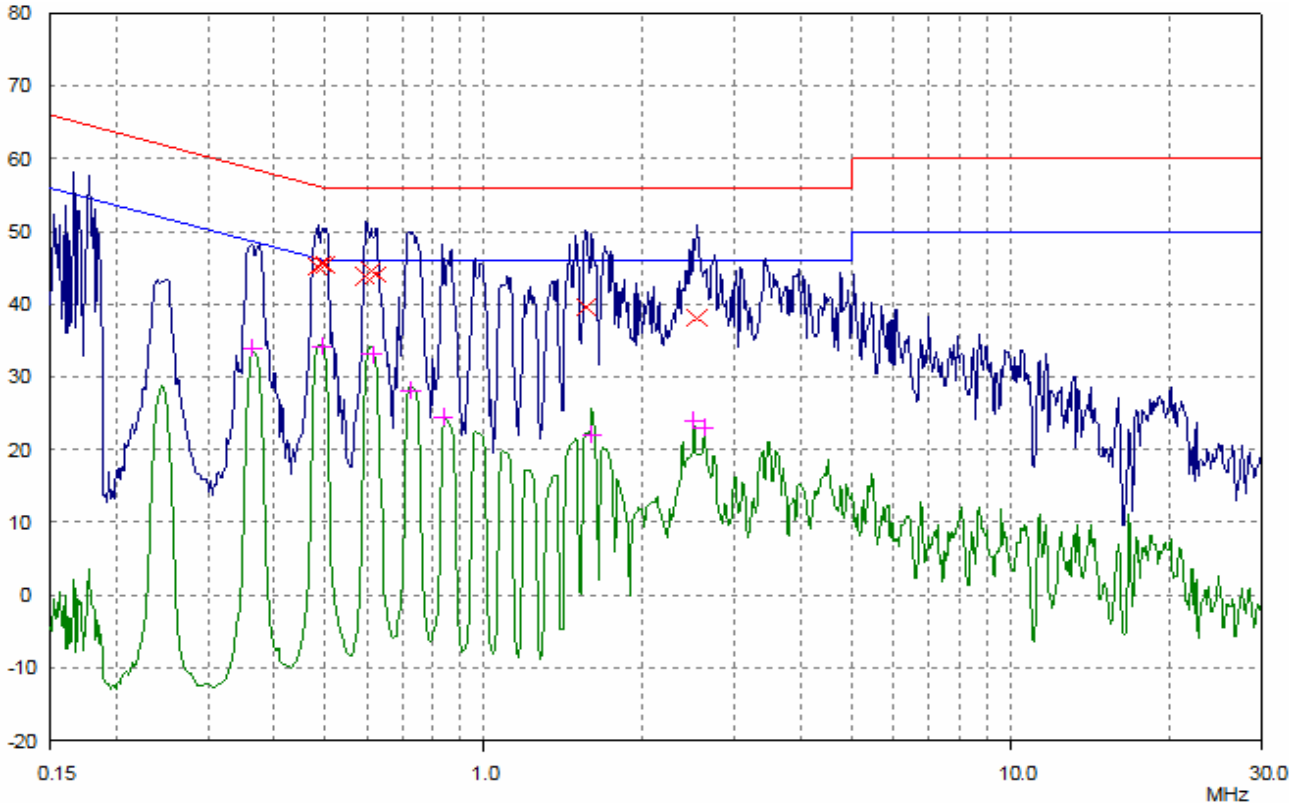
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PCS 1900 connected: (test Mobile with MU03-5050050-A1 adaptor and headset.)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.48393	45.15	56.27	11.12
0.49171	45.48	56.14	10.66
0.49961	45.40	56.01	10.61
0.59533	43.86	56.00	12.14
0.60974	44.58	56.00	11.42
0.62449	44.09	56.00	11.91
1.5613	39.61	56.00	16.39
2.53851	38.11	56.00	17.89

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.36325	33.89	48.65	14.76
0.49171	34.17	46.14	11.97
0.61461	33.10	46.00	12.90
0.72656	28.10	46.00	17.90
0.83862	24.38	46.00	21.62
1.59907	22.10	46.00	23.90
2.49838	24.05	46.00	21.95
2.62073	23.00	46.00	23.00

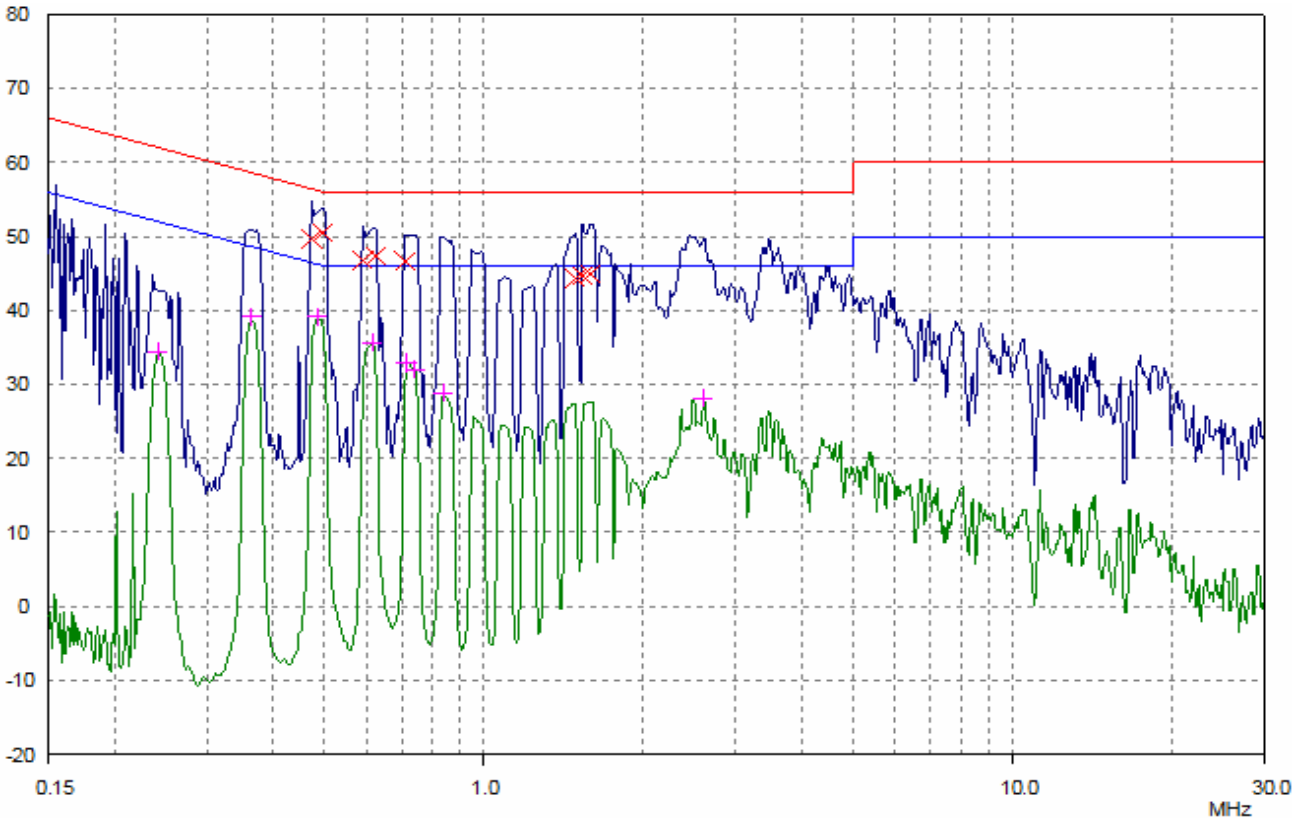
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N Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.4725	49.61	56.47	6.86
0.49564	50.55	56.07	5.52
0.59061	46.78	56.00	9.22
0.62449	47.39	56.00	8.61
0.7094	46.69	56.00	9.31
1.48841	44.36	56.00	11.64
1.53662	44.67	56.00	11.33
1.58638	44.96	56.00	11.04

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.24194	34.35	52.03	17.68
0.36325	39.17	48.65	9.48
0.48393	39.11	46.27	7.16
0.61461	35.62	46.00	10.38
0.71508	32.91	46.00	13.09
0.73824	32.02	46.00	13.98
0.83862	28.70	46.00	17.30
2.59993	28.08	46.00	17.92

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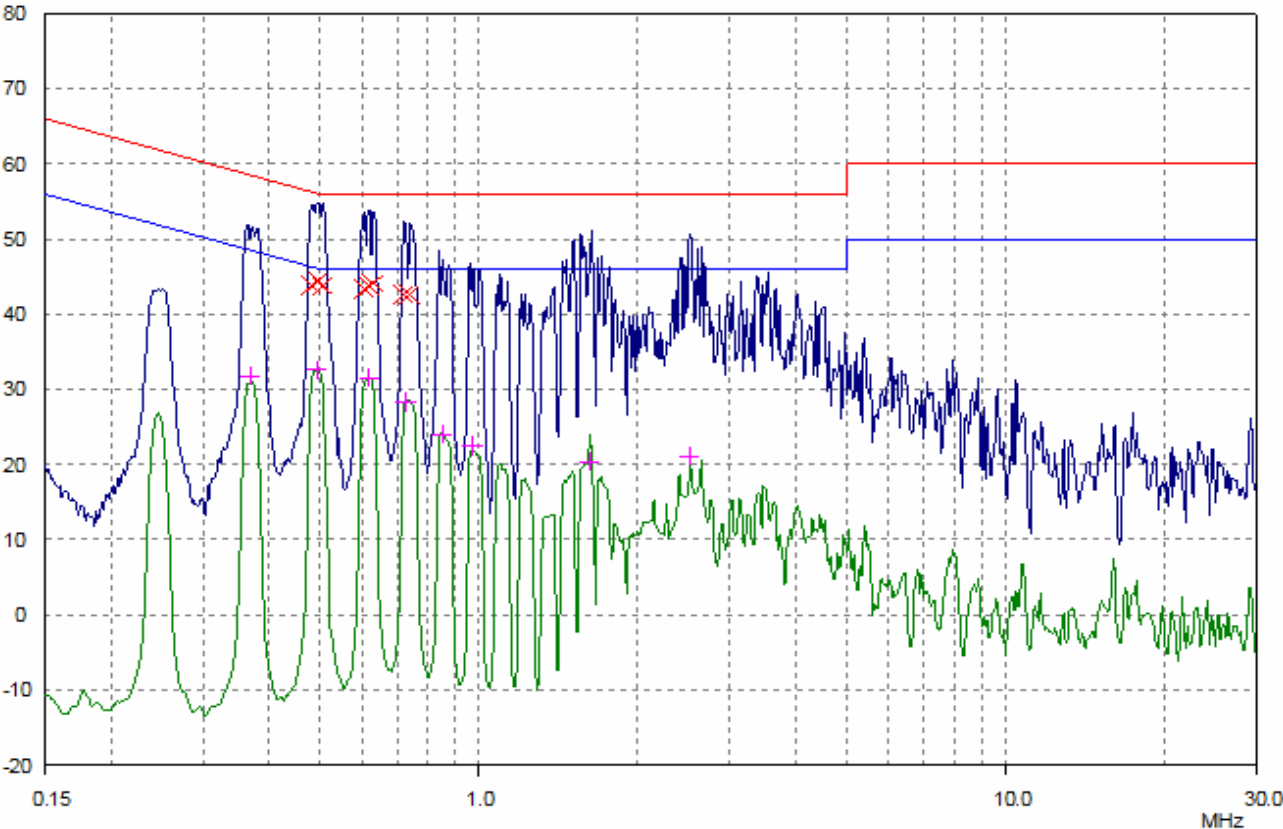
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PCS 1900 connected: (test Mobile with MU03-5050050-A4 adaptor and headset.)

L Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.48009	43.80	56.34	12.54
0.49564	44.32	56.07	11.75
0.5036	43.76	56.00	12.24
0.6049	43.31	56.00	12.69
0.61953	43.73	56.00	12.27
0.62948	44.05	56.00	11.95
0.7208	42.65	56.00	13.35
0.73824	42.61	56.00	13.39

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.36908	31.72	48.52	16.80
0.49171	32.62	46.14	13.52
0.61953	31.46	46.00	14.54
0.72656	28.29	46.00	17.71
0.85209	24.07	46.00	21.93
0.97569	22.46	46.00	23.54
1.62476	20.26	46.00	25.74
2.51837	20.95	46.00	25.05

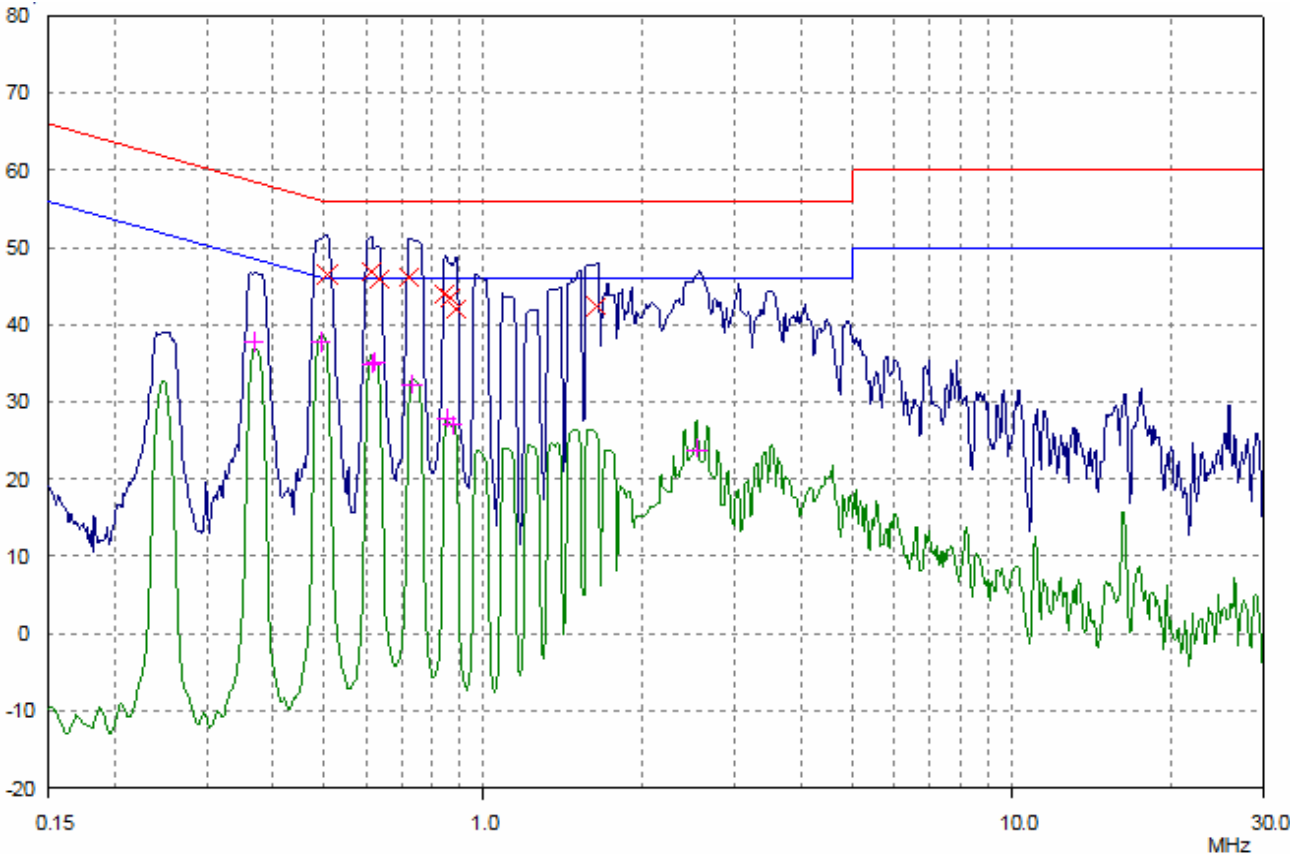
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N Line:



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB
0.50763	46.56	56.00	9.44
0.61461	46.81	56.00	9.19
0.63452	45.90	56.00	10.10
0.7208	46.12	56.00	9.88
0.84533	44.02	56.00	11.98
0.86578	43.47	56.00	12.53
0.88672	41.94	56.00	14.06
1.63776	42.45	56.00	13.55

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB
0.36908	37.68	48.52	10.84
0.49171	37.72	46.14	8.42
0.61461	34.94	46.00	11.06
0.62449	35.20	46.00	10.80
0.73238	32.27	46.00	13.73
0.85209	27.82	46.00	18.18
0.8727	27.08	46.00	18.92
2.53851	23.82	46.00	22.18

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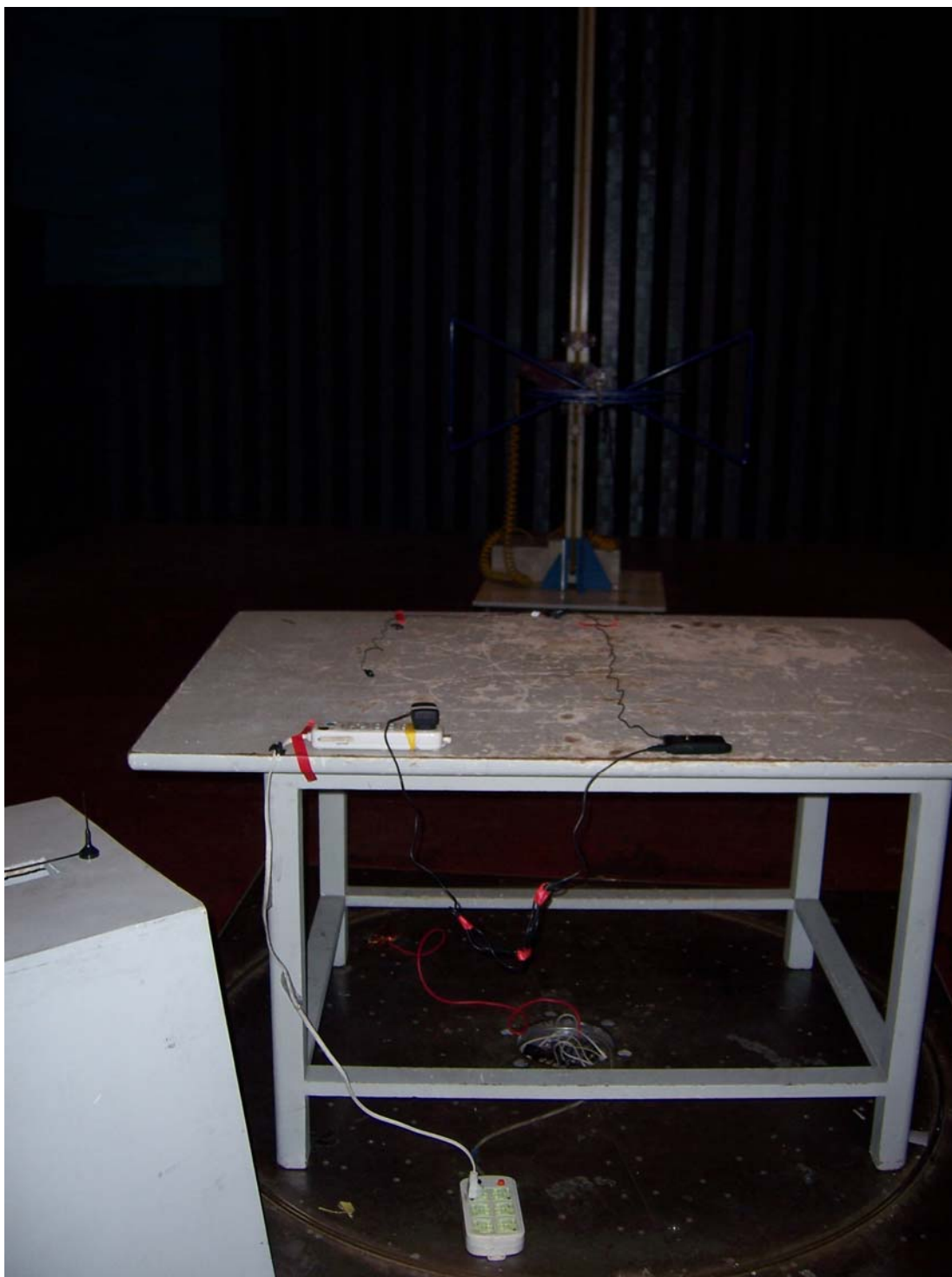
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7 Photographs

7.1 Radiated Emission Test Setup



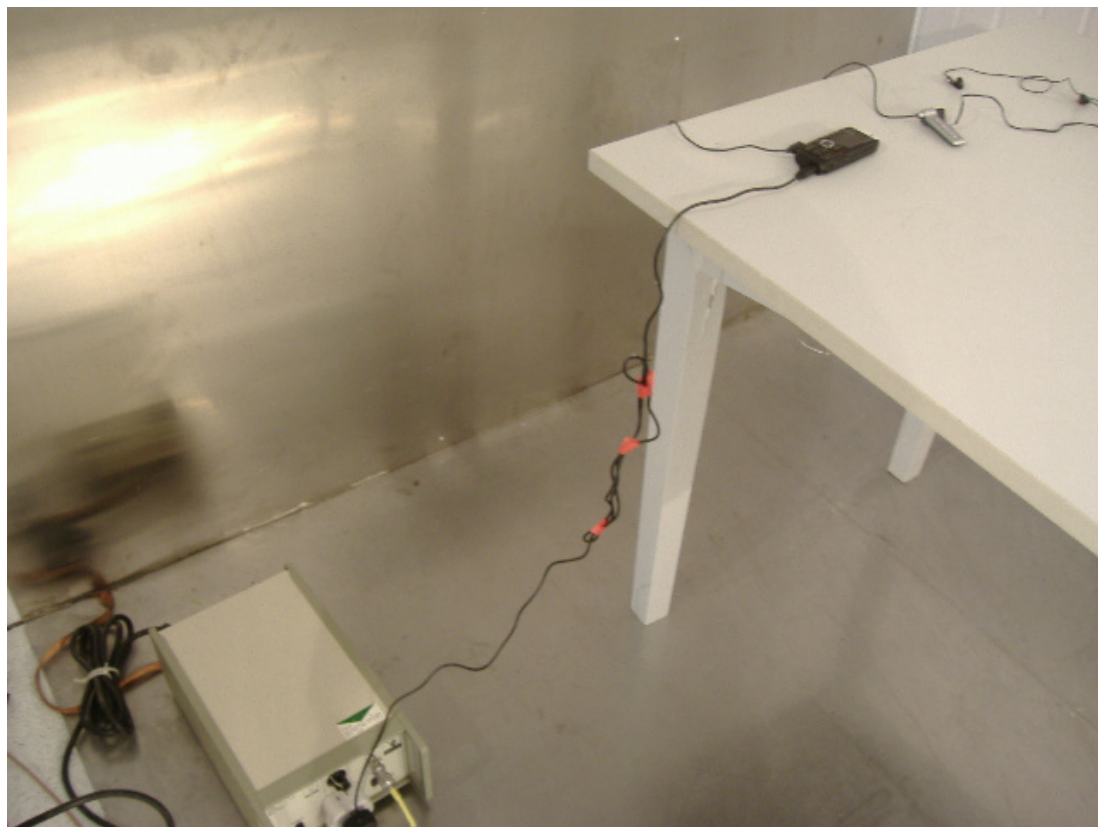
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7.2 Conducted Emission Test Setup



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7.3 EUT Constructional Details



THE END OF REPORT