

**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

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Tino\_Pan@sgs.com

Report No.: SHEMO060600005IT  
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## ***FCC TEST REPORT(DOC)***

**Application No.:** SHEMO060600005IT

**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.:** C64a

**Marketing Name:** OT-E801a

**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:** 5 June 2006

**Date of Test:** 10 June 2006 to 25 September 2006

**Date of Issue:** 25 September 2006

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

Authorized Signature:



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



Jacky Cao  
E&E Project Engineer  
SGS-CSTC Co., Ltd

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

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

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

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

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**2 Test Summary**

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

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## 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.: C64a  
Marketing Name: OT-E801a  
Brand Name: Not supplied by client  
Serial No.: Not supplied by client

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

Power Supply01: AC to DC charger (Model NO: 3DS11022AAAA  
Input :100-240 Vac, 50/60 Hz, 0.15 A, Class II ;  
Output: 5.0 VDC, 0.5 A)  
Manufactures: Leader

Power Cord01: 2.0m

Power Supply02: AC to DC charger (Model NO: 3DS11022ABAA  
Input :100-240 Vac, 50/60 Hz, 0.15 A, Class II ;  
Output: 5.0 VDC, 0.5 A)  
Manufactures: Leader

Power Cord02: 2.0m

Power Supply03: AC to DC charger (Model NO: 3DS11022AGAA  
Input :100-240 Vac, 50/60 Hz, 0.15 A, Class II ;  
Output: 5.0 VDC, 0.5 A)  
Manufactures: Leader

Power Cord03: 2.0m

Power Supply04: AC to DC charger (Model NO: 3DS11022AHAA  
Input :100-240 Vac, 50/60 Hz, 0.15 A, Class II ;  
Output: 5.0 VDC, 0.5 A)  
Manufactures: Leader

Power Cord04: 2.0m

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**Power Supply05:** AC to DC charger (Model NO: T5000436AGAA  
Input :100-240 Vac, 50/60 Hz, 0.15 A,  
Output: 5.0 VDC, 0.4 A)  
Manufactures: Tenpao

**Power Cord05:** 2.0m

**Power Supply06:** AC to DC charger (Model NO: T5000436AHAA  
Input :100-240 Vac, 50/60 Hz, 0.15 A,  
Output: 5.0 VDC, 0.4 A)  
Manufactures: Tenpao

**Power Cord06:** 2.0m

**Cigar lighter charger** DC charger (Model NO:3DS11023 AAAA  
Input: 12 - 24VDC, 0,3 A)

**Data cable** Model NO: T5000200AAAA  
Manufacturers: Quancheng

**Headset** Model NO: T5000324AAAA  
Manufacturers: Quancheng

**Battery** DC 3.7V / 650mAh  
modle: 3DS11080AAAA  
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 |                                            |              |           |            |                         |                            |
|-------------------|--------------------------------------------|--------------|-----------|------------|-------------------------|----------------------------|
| Item              | Test Equipment                             | Manufacturer | Model No. | Serial No. | Cal. Date<br>(dd-mm-yy) | Cal.Due date<br>(dd-mm-yy) |
| 1                 | HORN ANTENNA                               | R&S          | HF 906    | 100023     | 2006-06-17              | 2007-06-16                 |
| 2                 | BROADBAND<br>ANTENNA                       | R&S          | HL 562    | 100019     | 2006-06-17              | 2007-06-16                 |
| 3                 | EMI TEST RECEIVER                          | R&S          | ESI 26    | 838786/011 | 2006-03-06              | 2007-03-05                 |
| 4                 | UNIVERSAL RADIO<br>COMMUNICATION<br>TESTER | R&S          | CMU 200   | 100536     | 2006-01-25              | 2007-01-24                 |

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

| General Equipment |                                      |                   |           |                         |            |            |
|-------------------|--------------------------------------|-------------------|-----------|-------------------------|------------|------------|
| Item              | Test Equipment                       | Manufacturer      | Model No. | Serial No.              | Cal. Date  | Due date   |
| 1                 | Temperature,<br>Humidity & Barometer | Oregon Scientific | BA-888    | EMC0001 to<br>EMC0004   | 2006-07-25 | 2007-07-24 |
| 2                 | DMM                                  | Fluke             | 73        | 70681569 or<br>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:            | September 12, 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

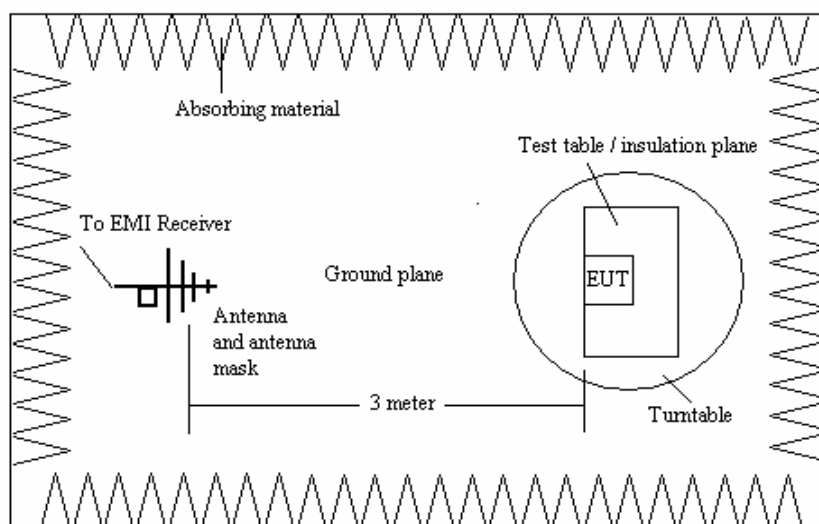
Operating Environment:

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

EUT Operation: EUT allocated channel mode GSM850&PCS 1900 with charger and data cable.

And we just choose the worst case for the report

#### 6.1.2 Test setup:



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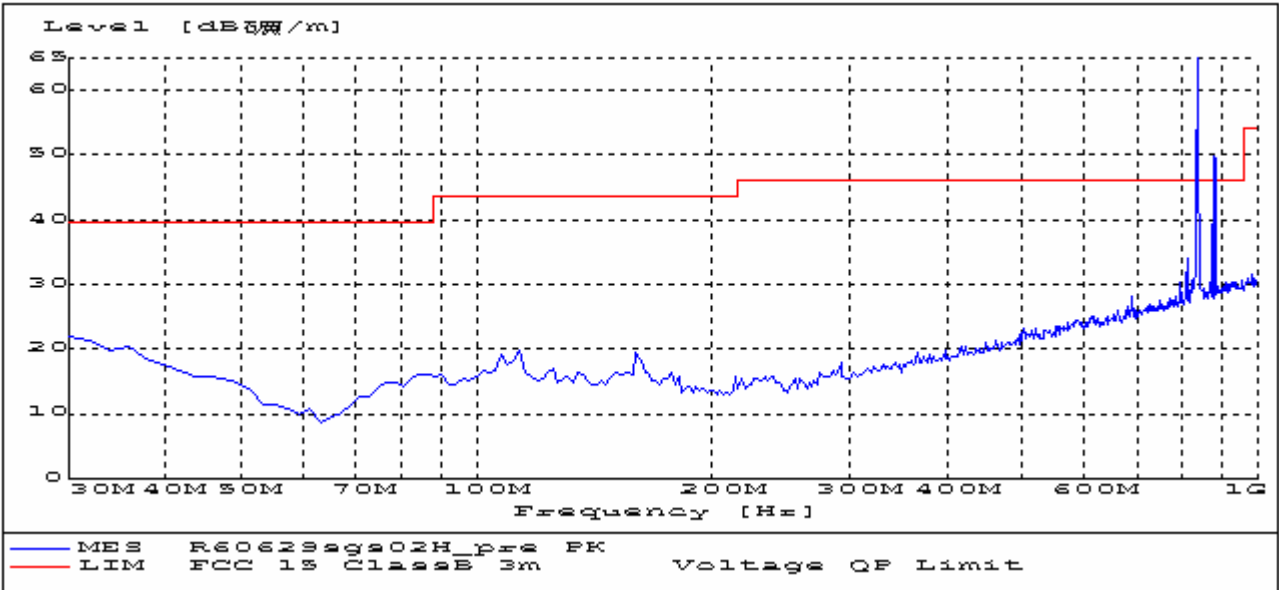
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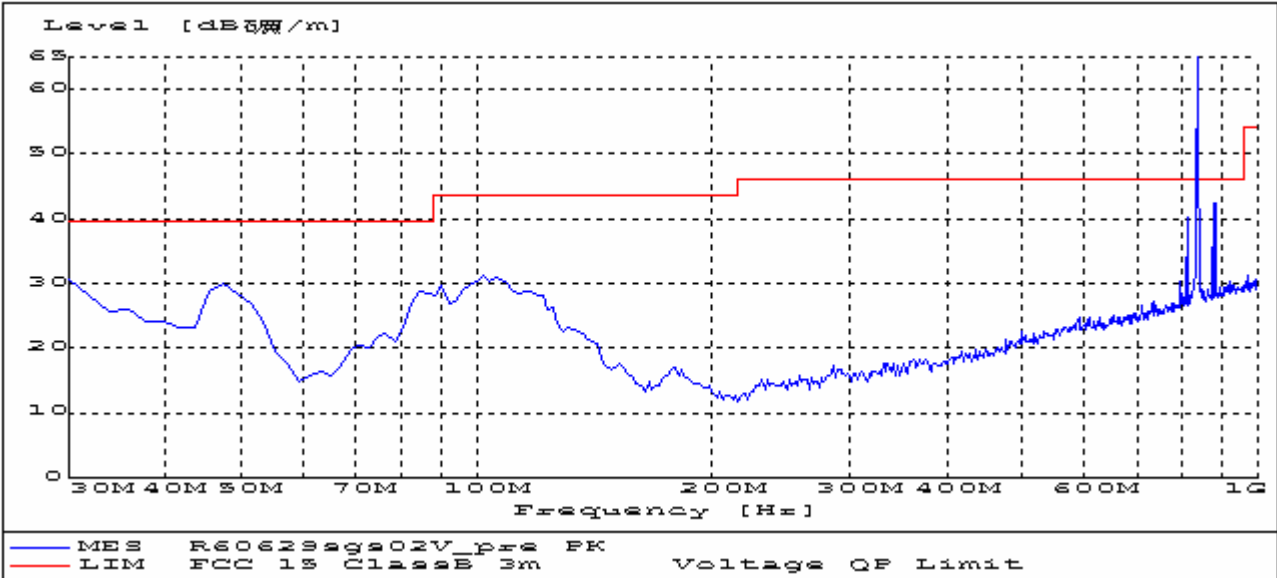
6.1.3 Test Result:

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

Horizontal:



Vertical:



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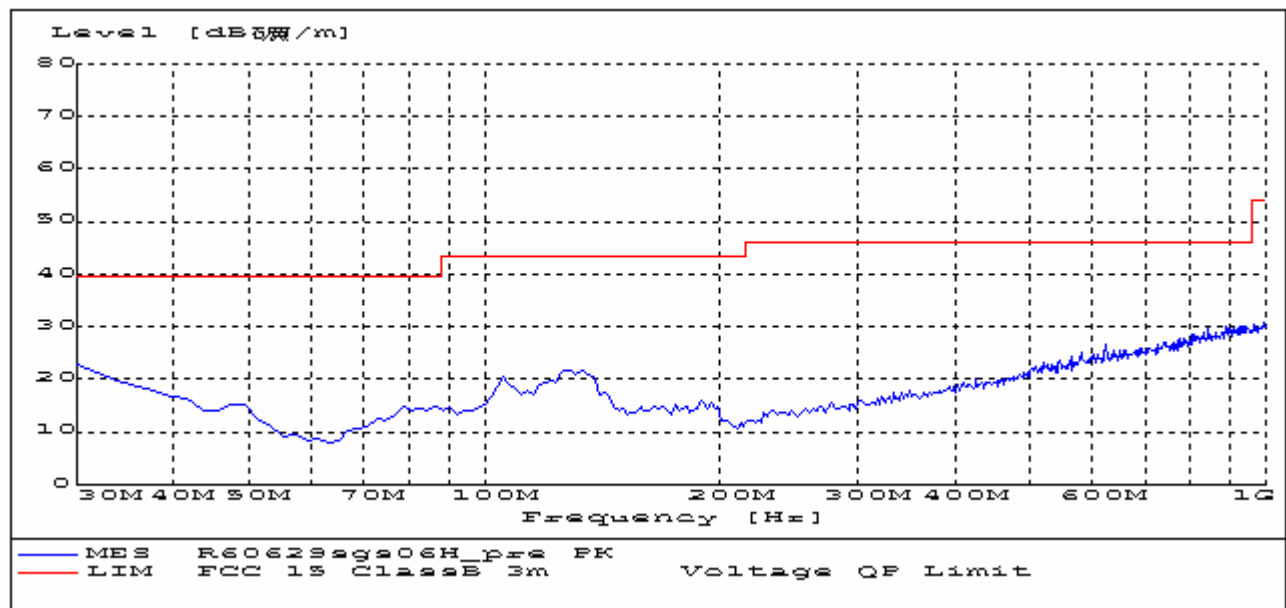
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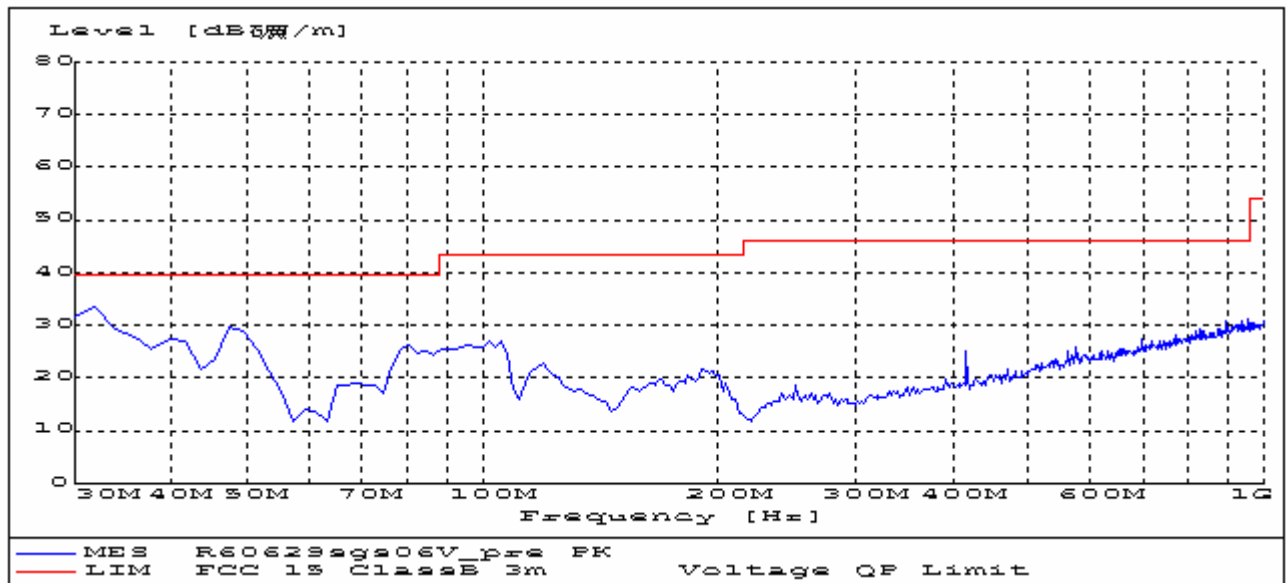
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GSM1900 dedicated: (test with the adapter of power supply 01)

Horizontal:



Vertical:



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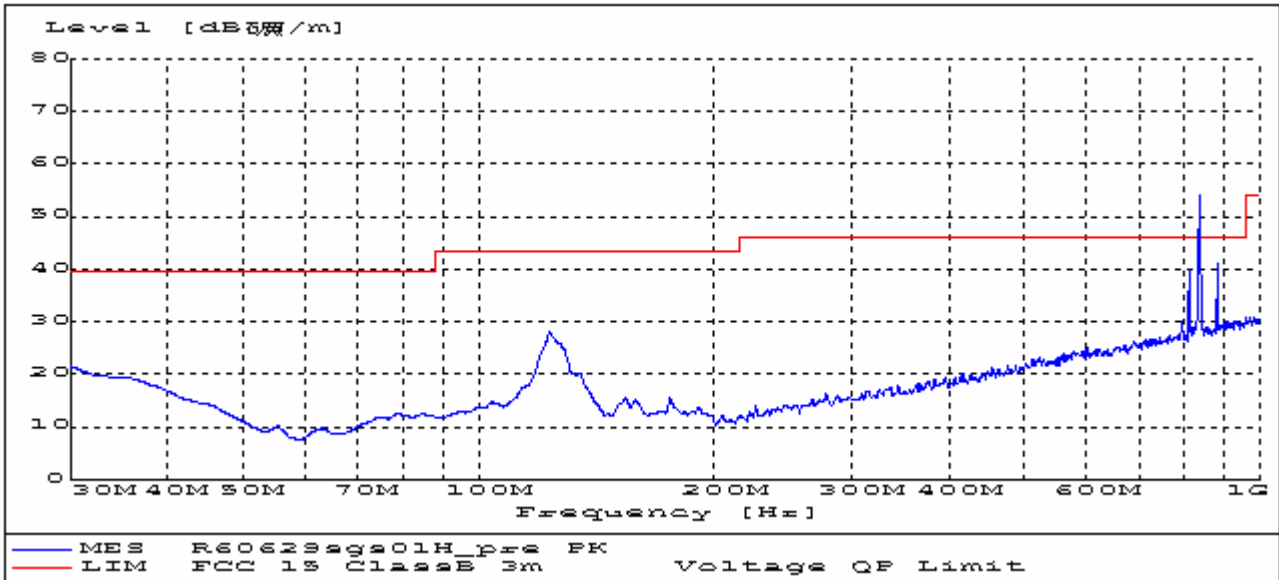
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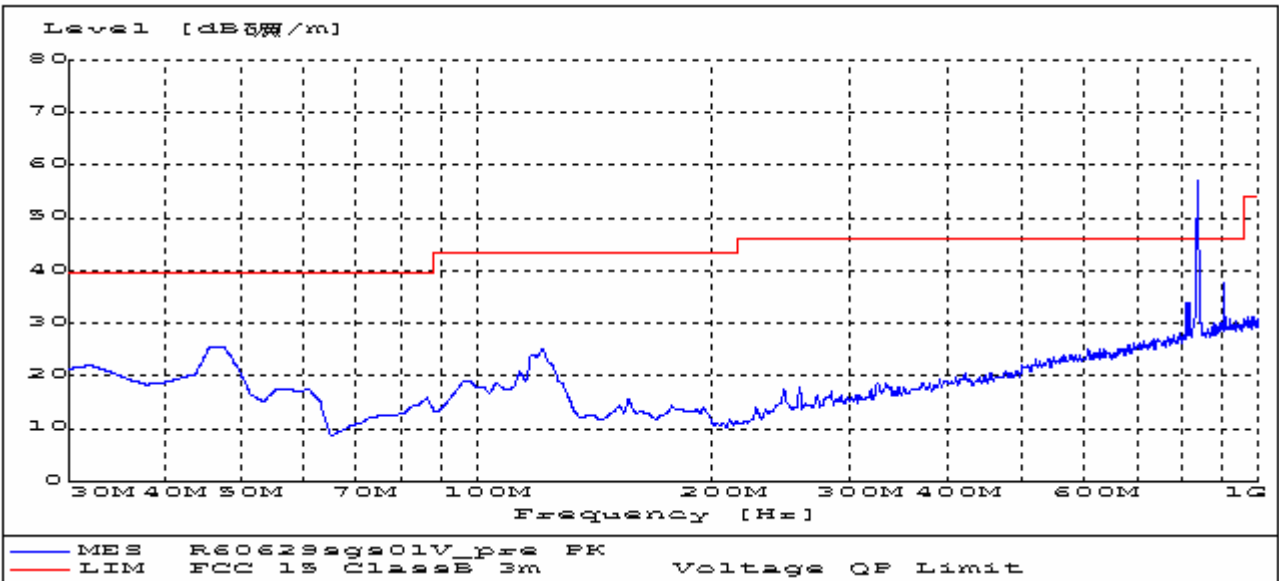
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GSM850 dedicated: (test with the adapter of power supply 02)

Horizontal:



Vertical:



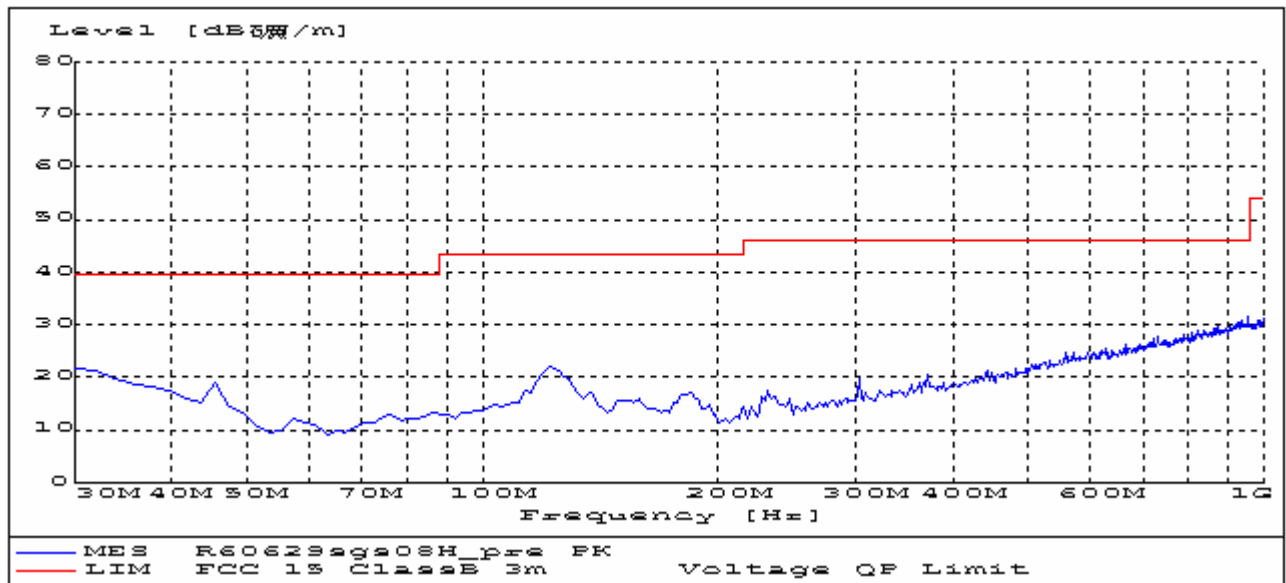
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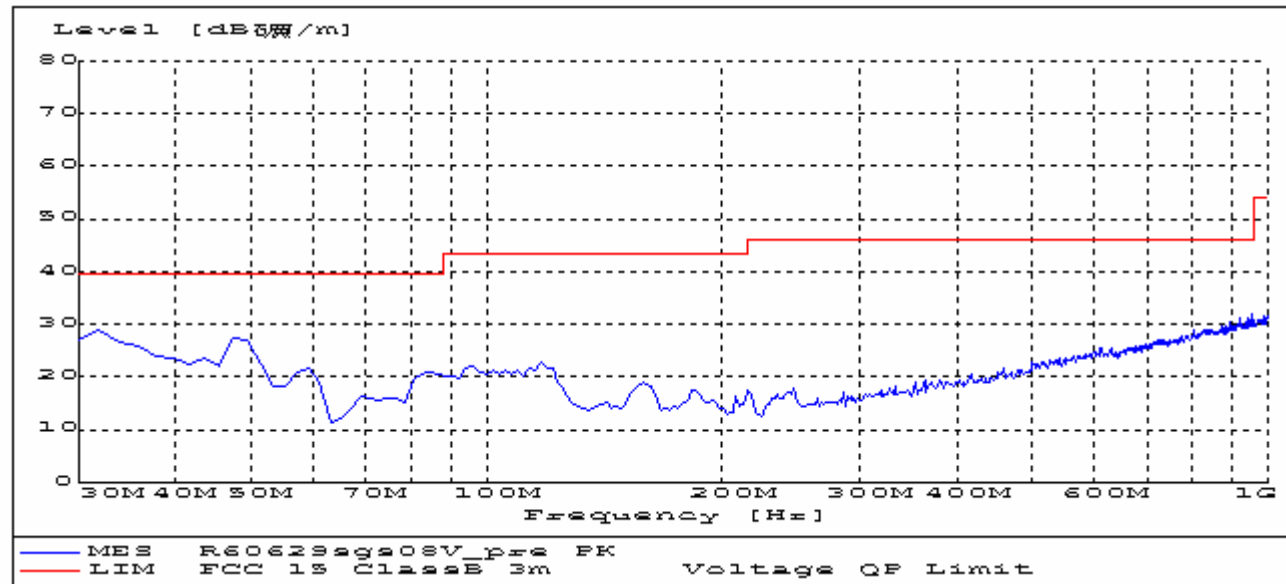
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GSM1900 dedicated: (test with the adapter of power supply 02)



Vertical:



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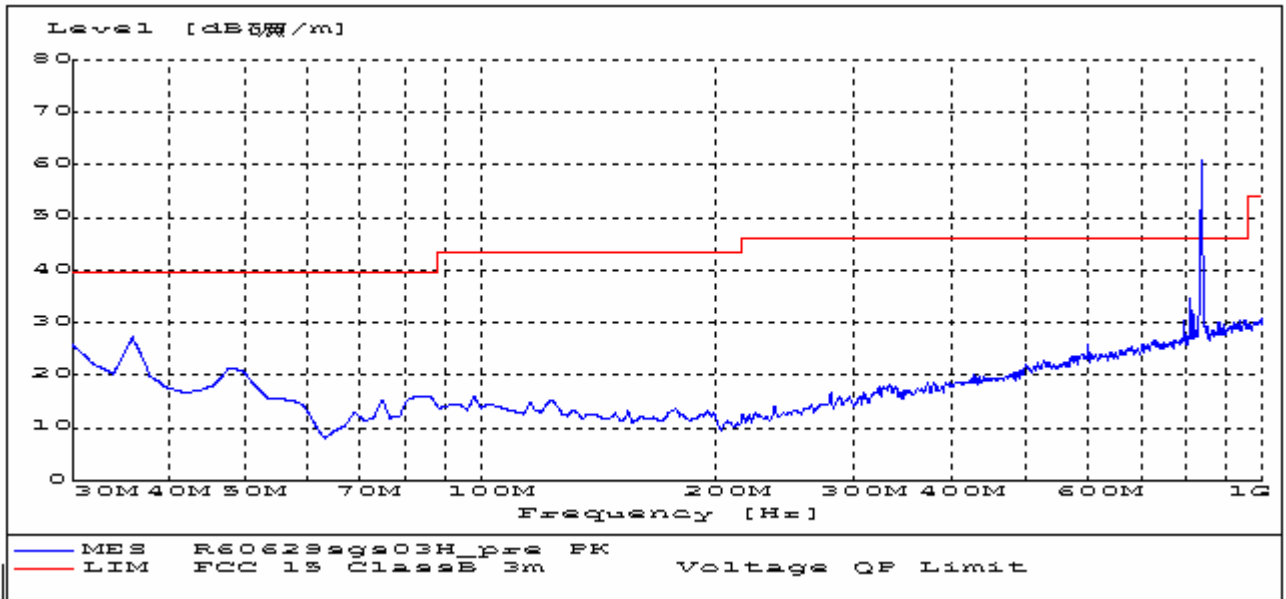
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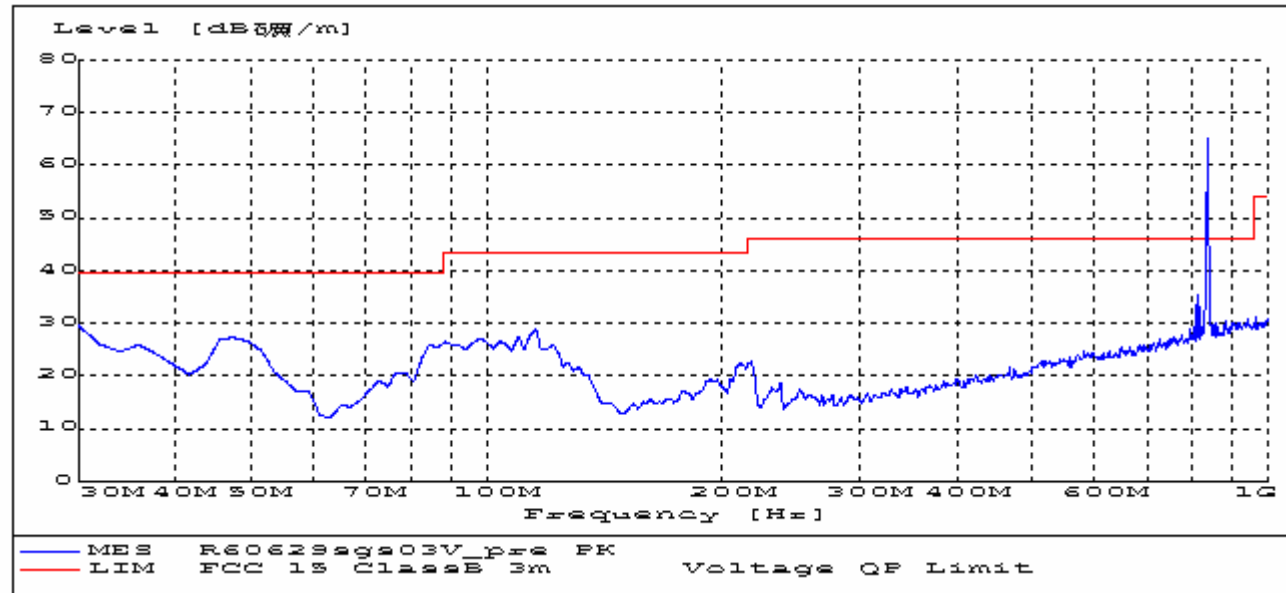
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GSM850 dedicated: (test with the adapter of power supply 03)

Horizontal:



Vertical:



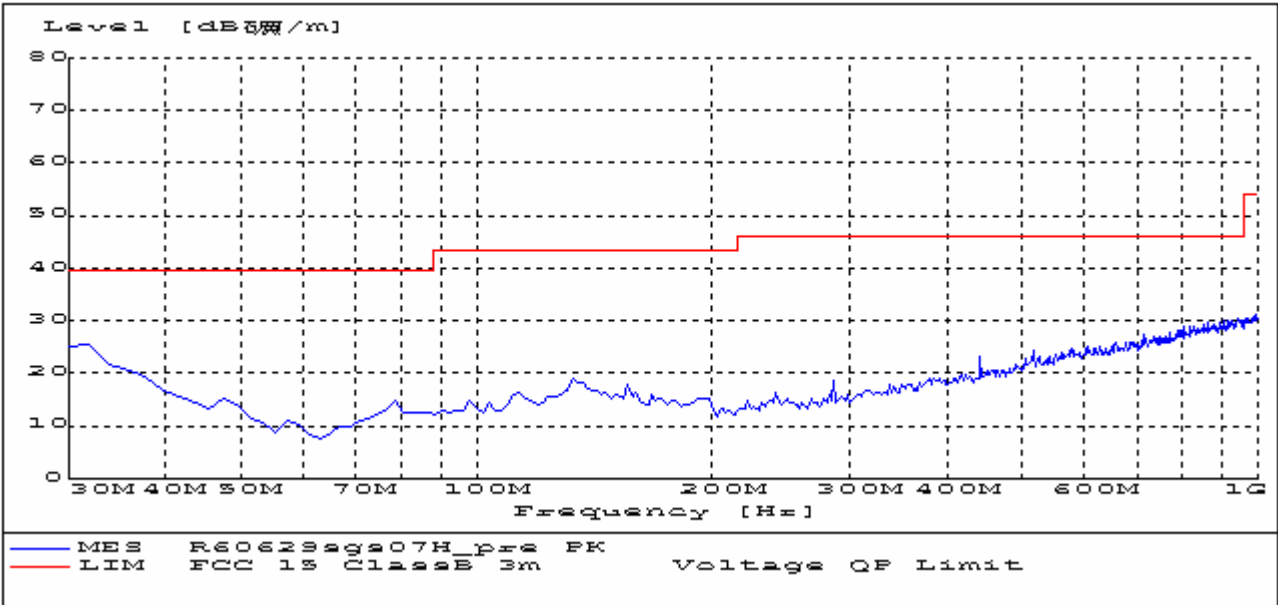
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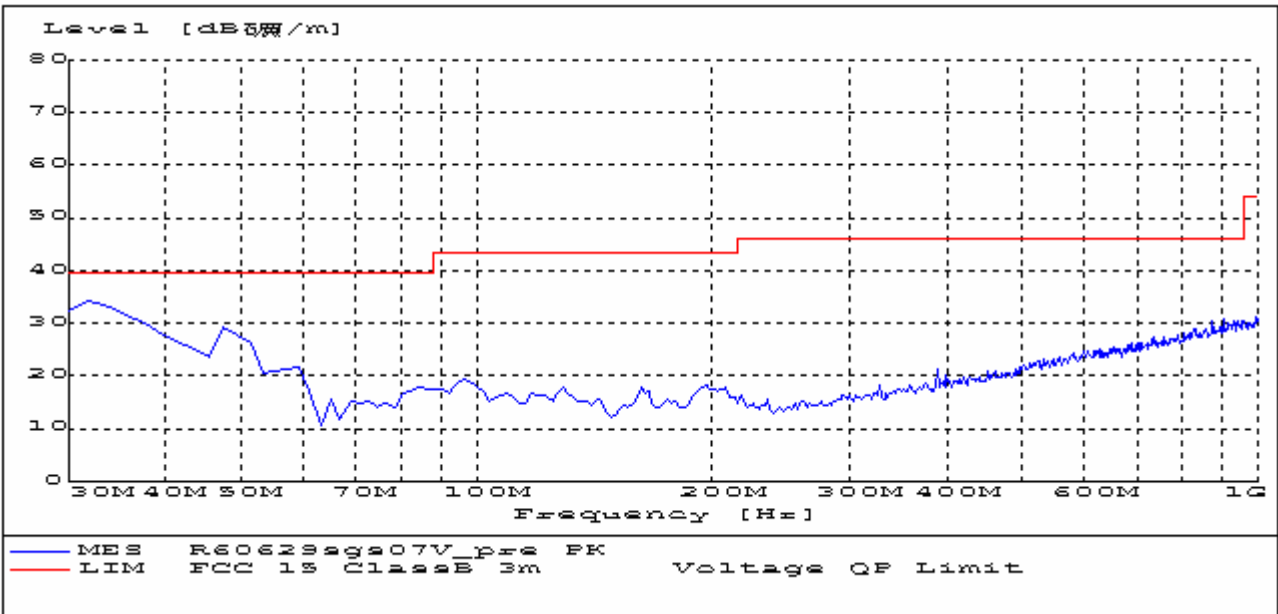
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GSM1900 dedicated: (test with the adapter of power supply 03)



Vertical:



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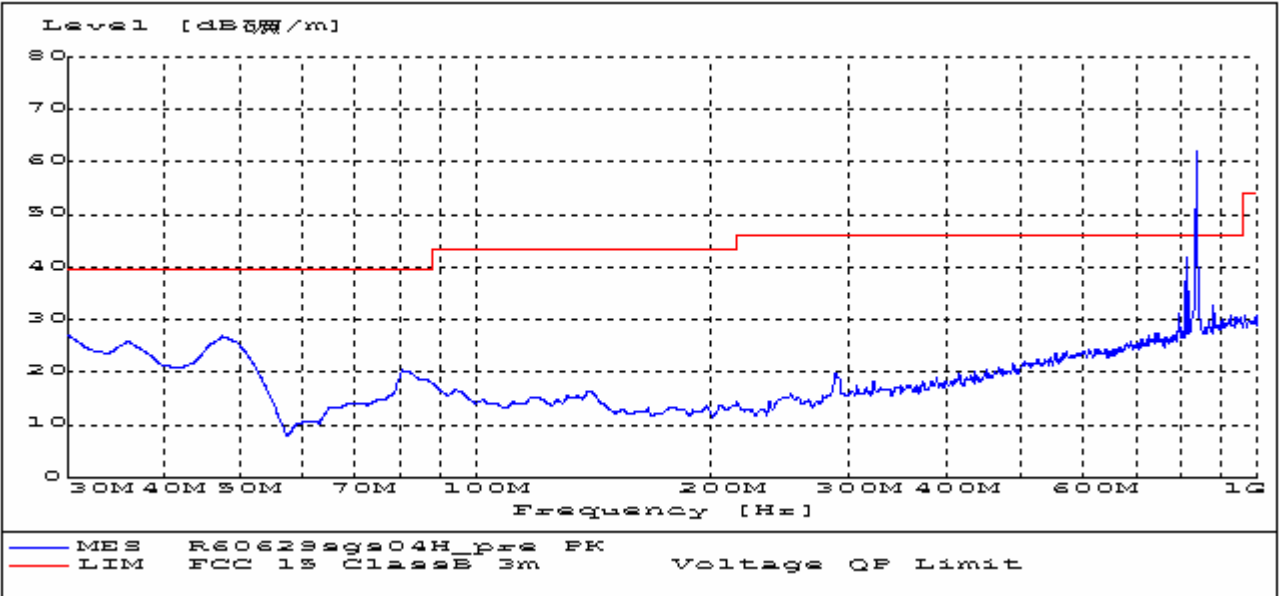
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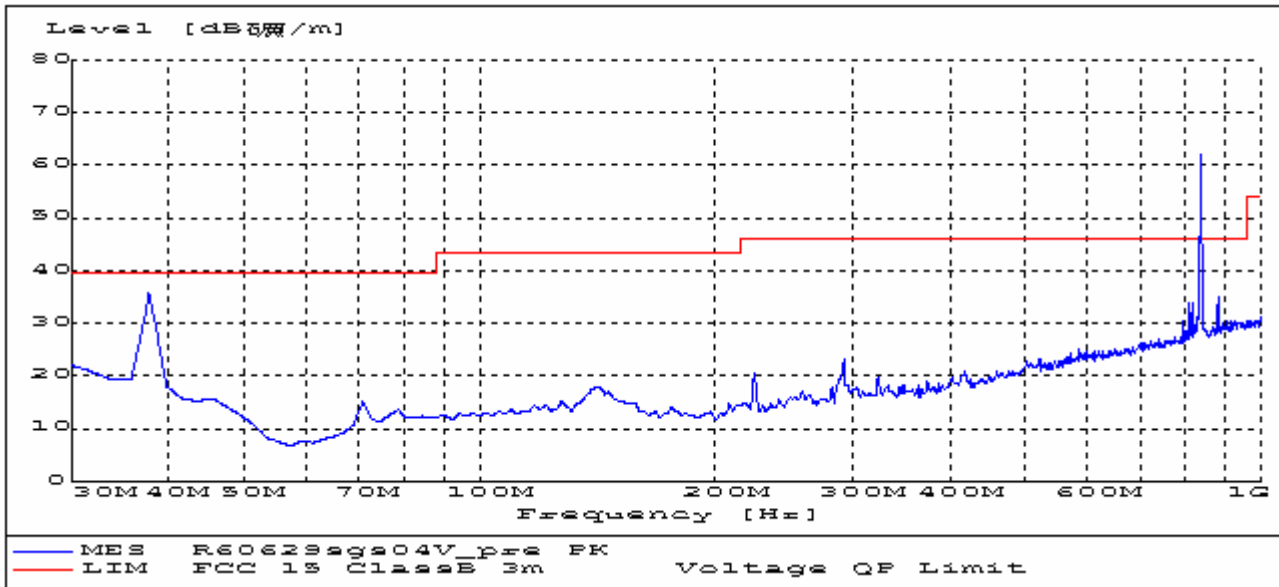
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GSM850 dedicated: (test with the adapter of power supply 04)

Horizontal:



Vertical:



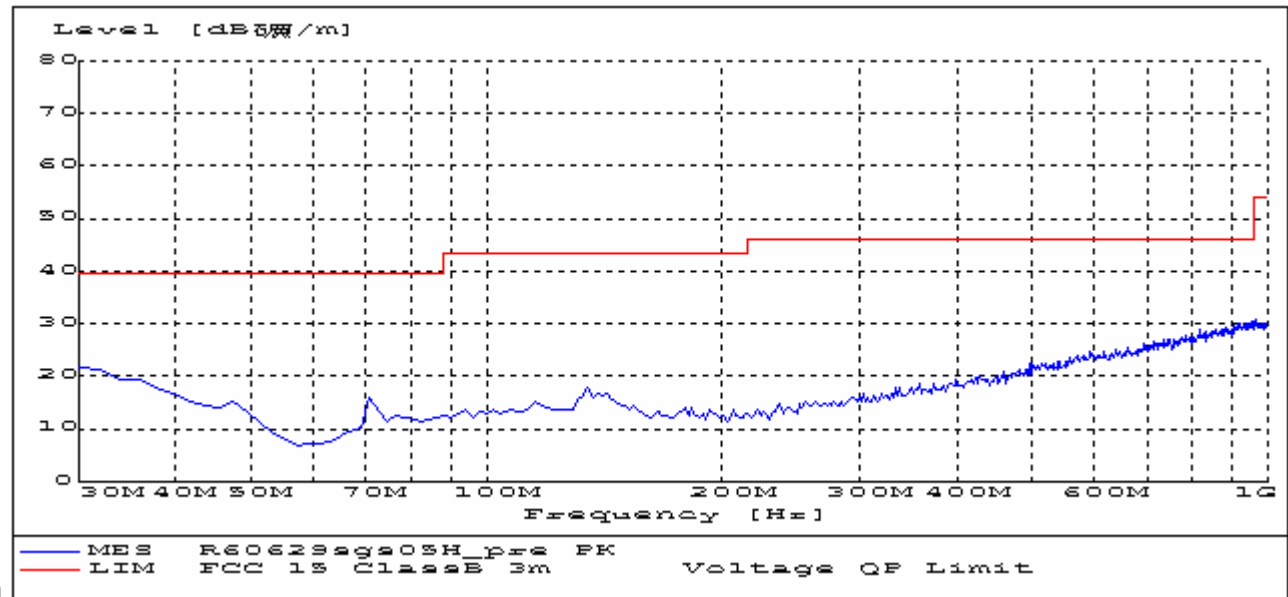
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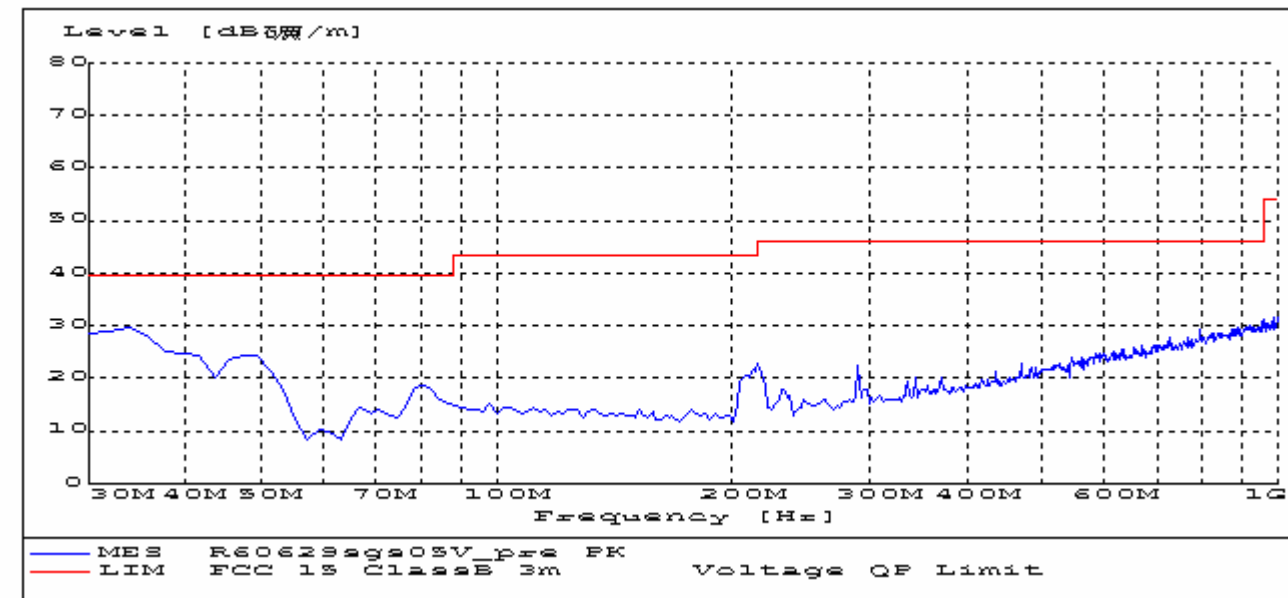
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GSM1900 dedicated: (test with the adapter of power supply 04)



Vertical:



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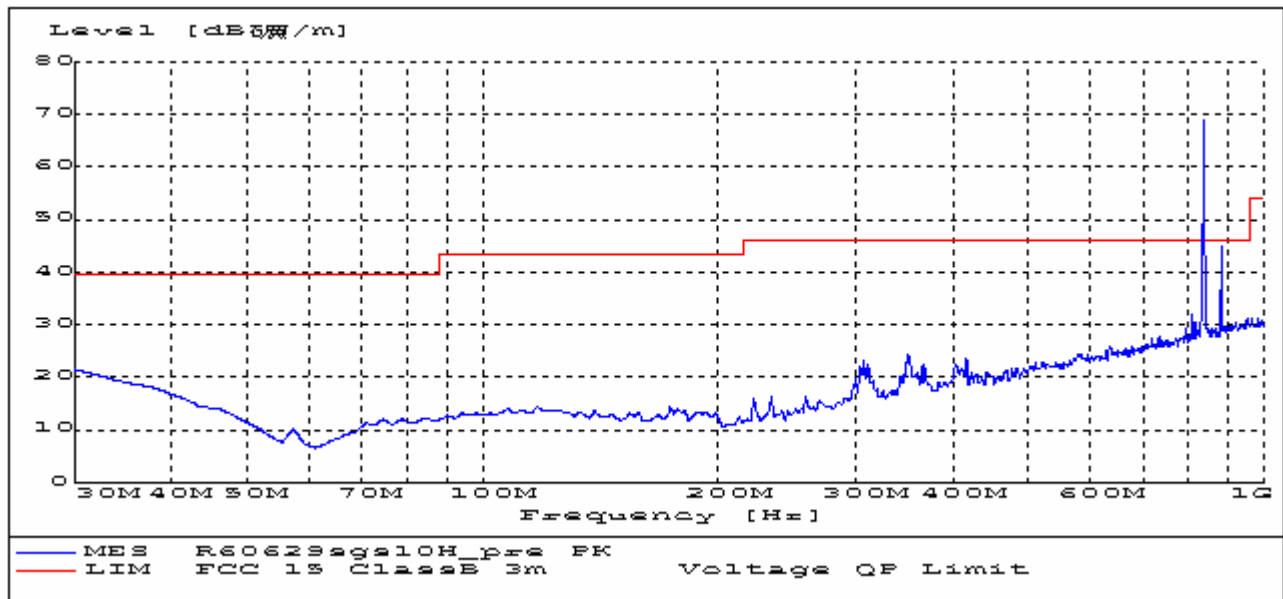
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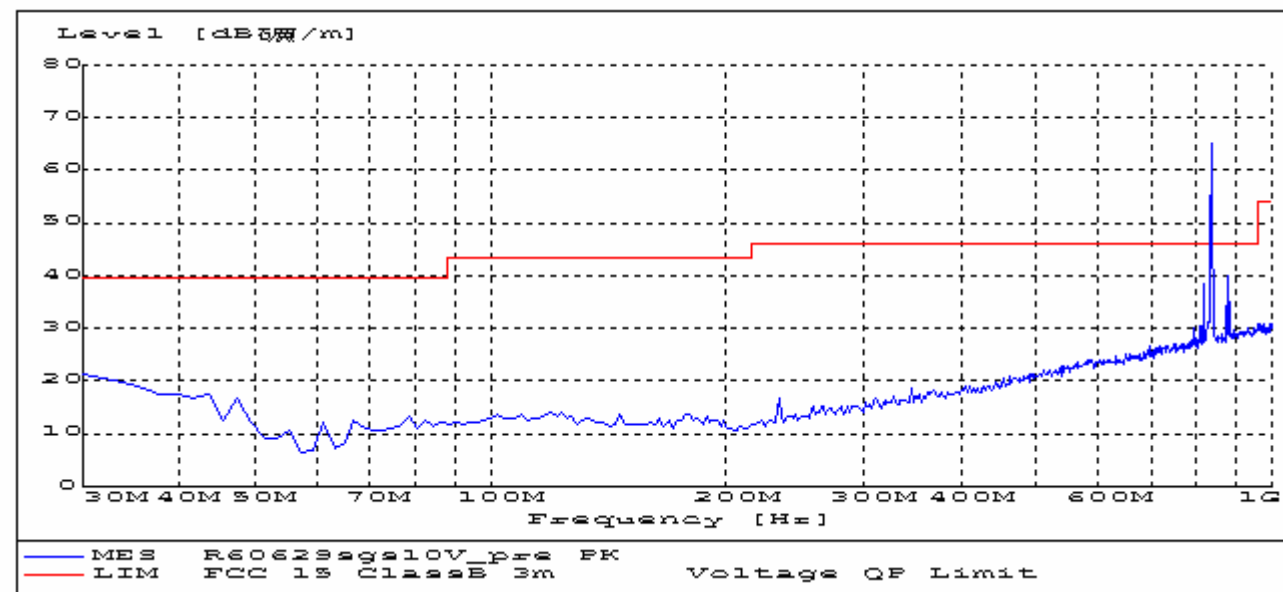
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GSM850 dedicated: (test with the Cigar lighter charger)

Horizontal:



Vertical:



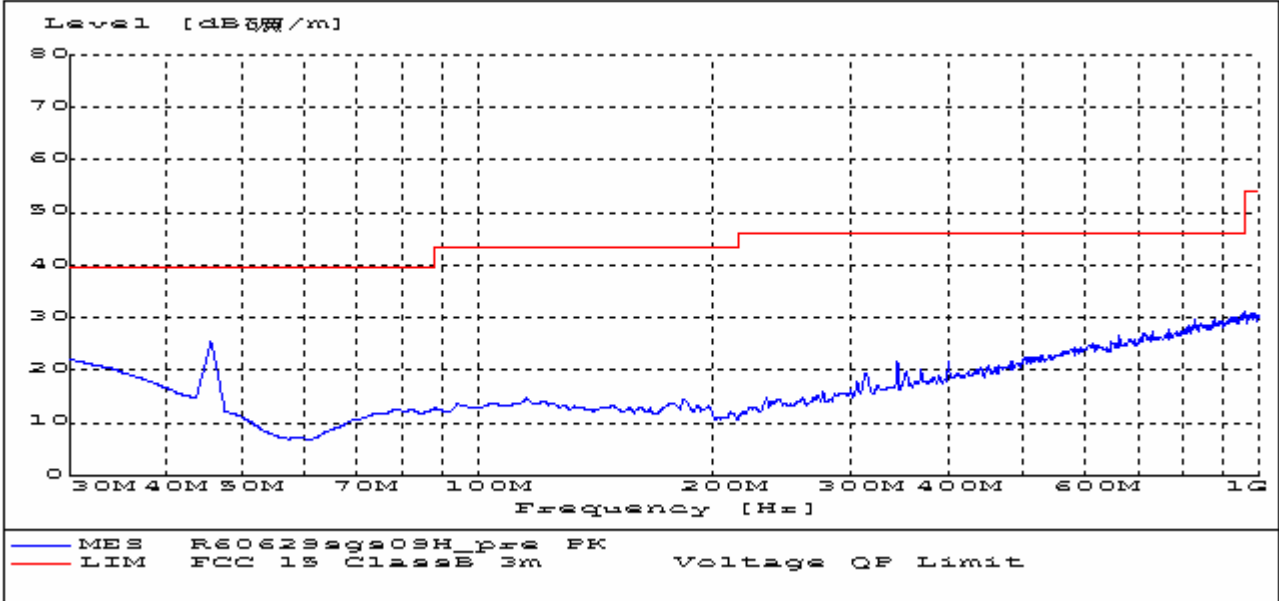
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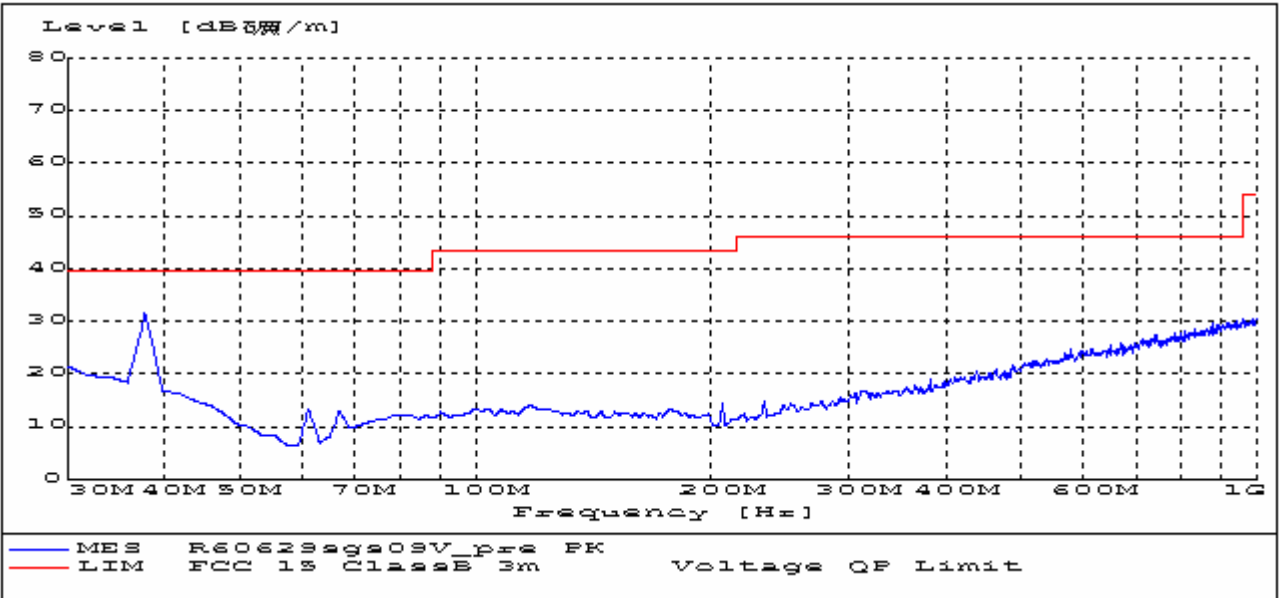
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GSM1900 dedicated: (test with the Cigar lighter charger)



Vertical:



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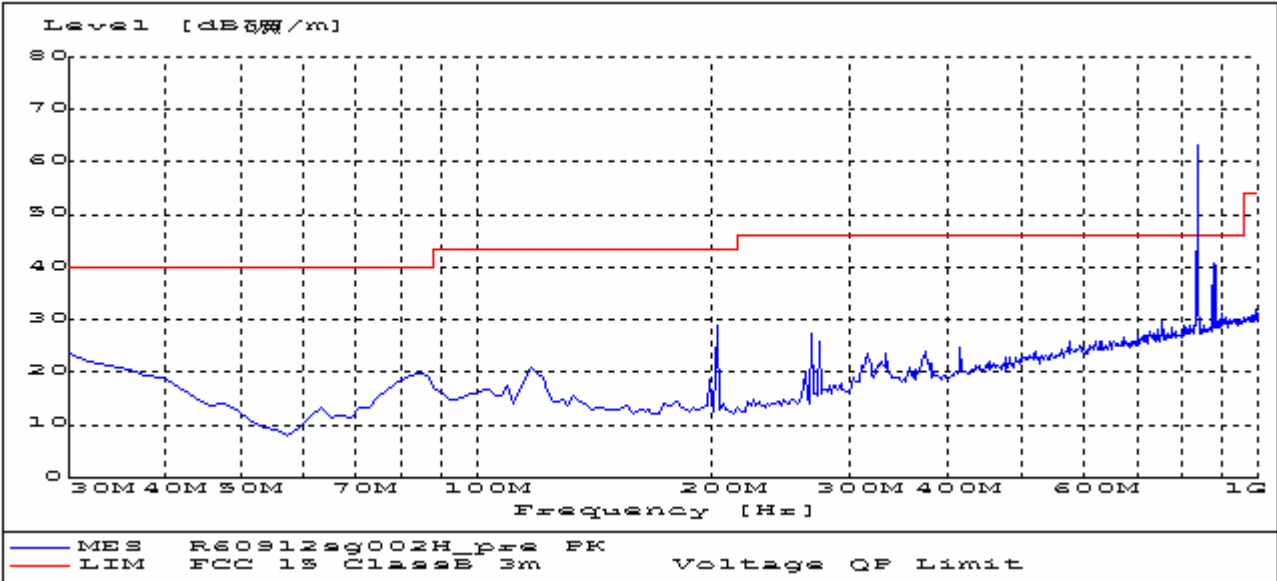
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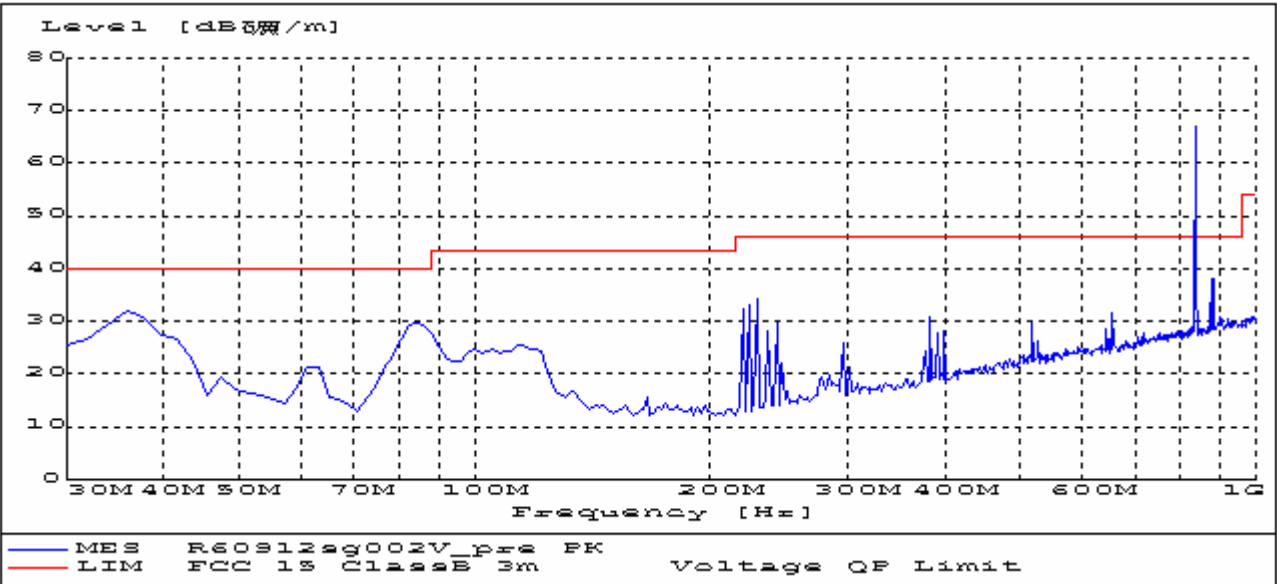
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GSM850 dedicated: (test with the adapter of power supply 05)

Horizontal:



Vertical:



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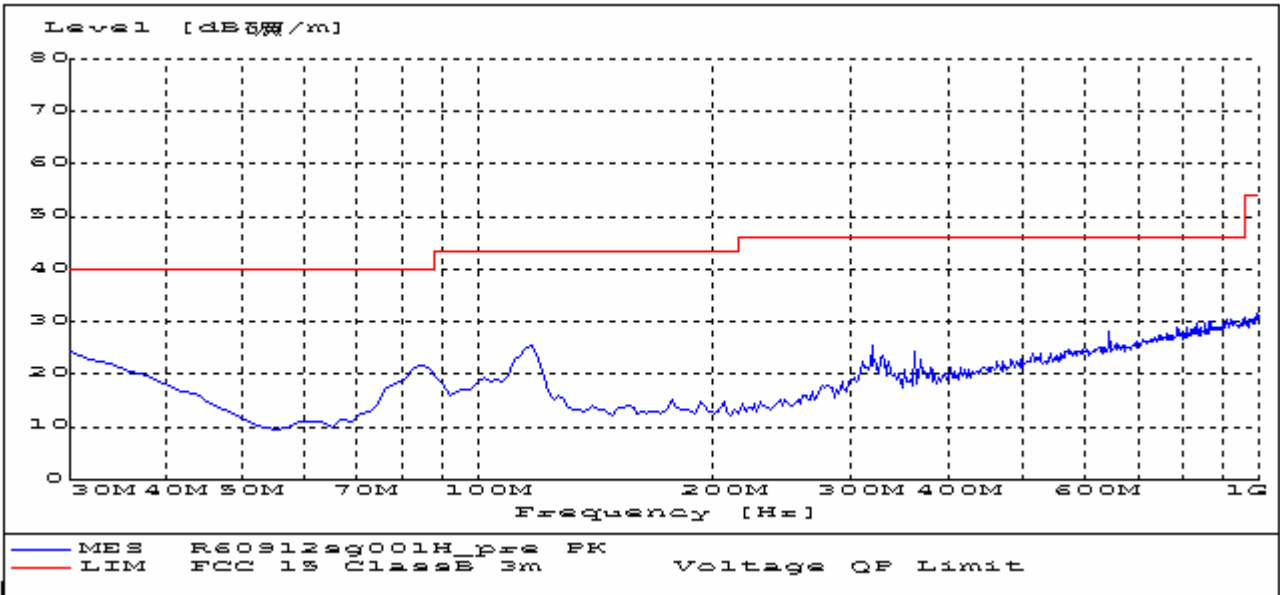
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Fax: +86 (0) 21 5450 0954  
Tino\_Pan@sgs.com

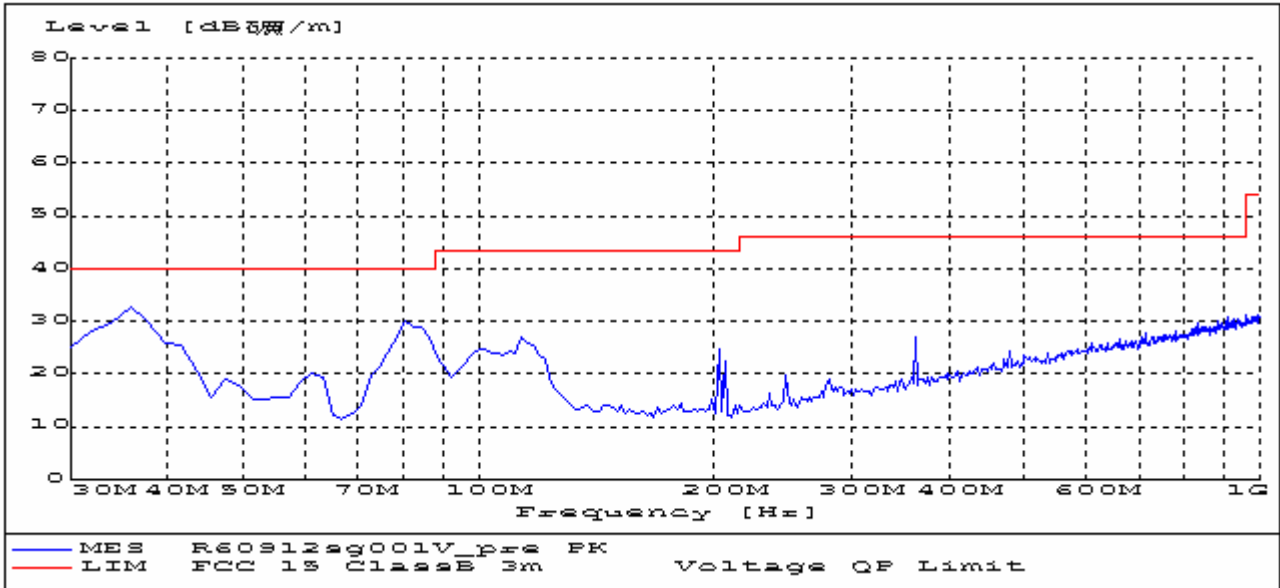
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GSM1900 dedicated: (test with the adapter of power supply 05)

Horizontal:



Vertical:



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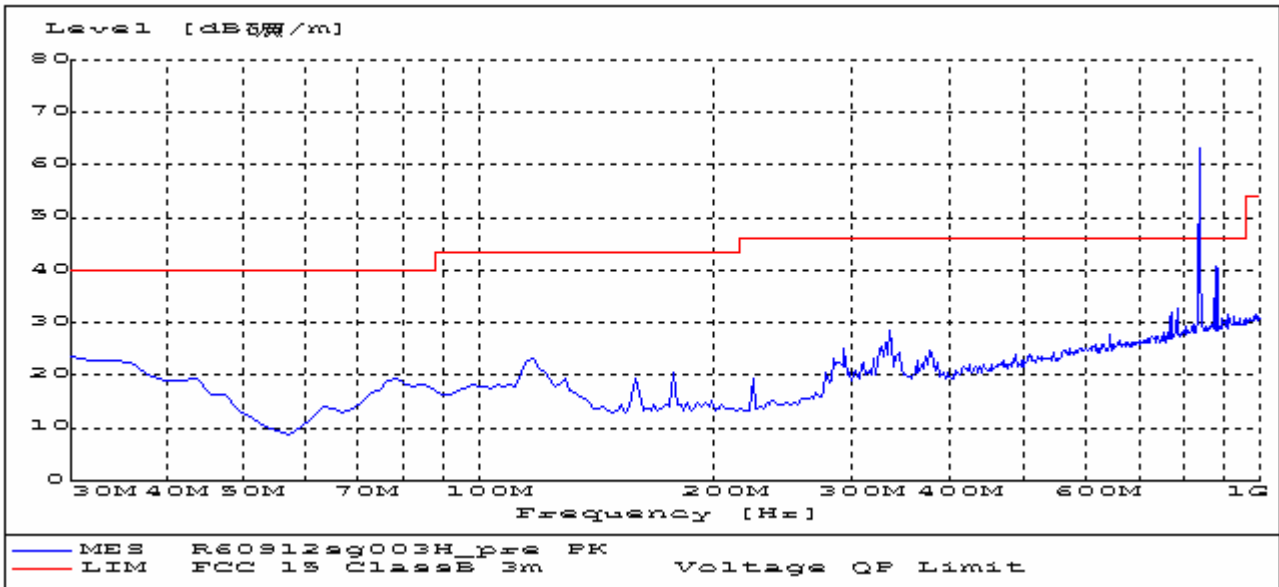
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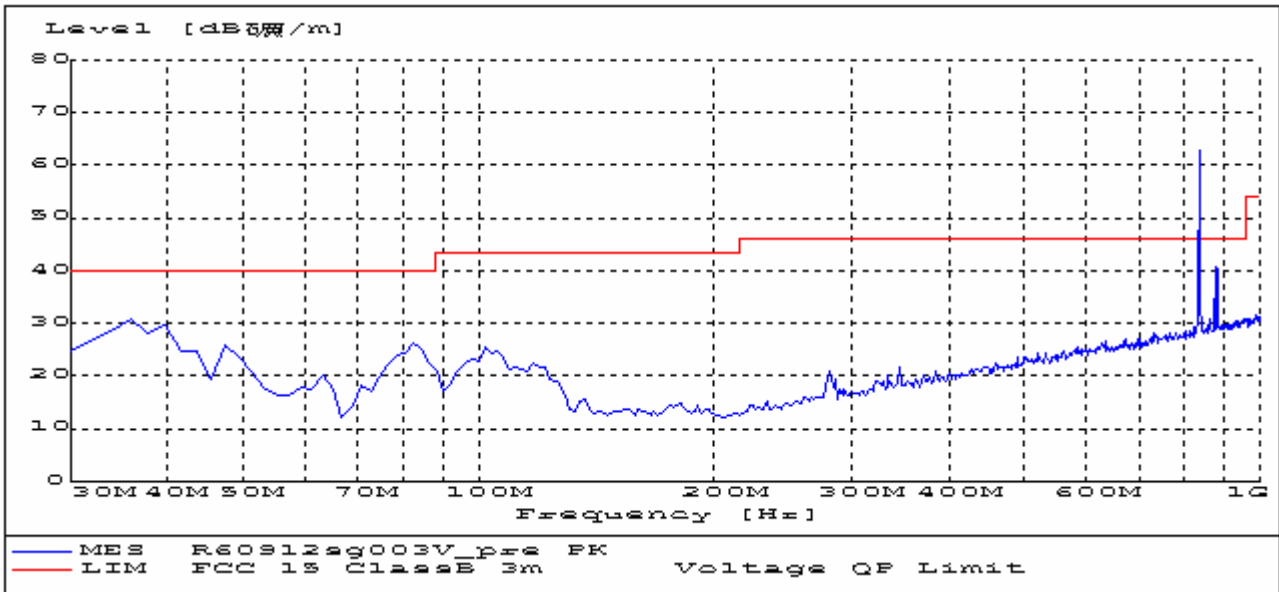
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GSM850 dedicated: (test with the adapter of power supply 06)

Horizontal:



Vertical:



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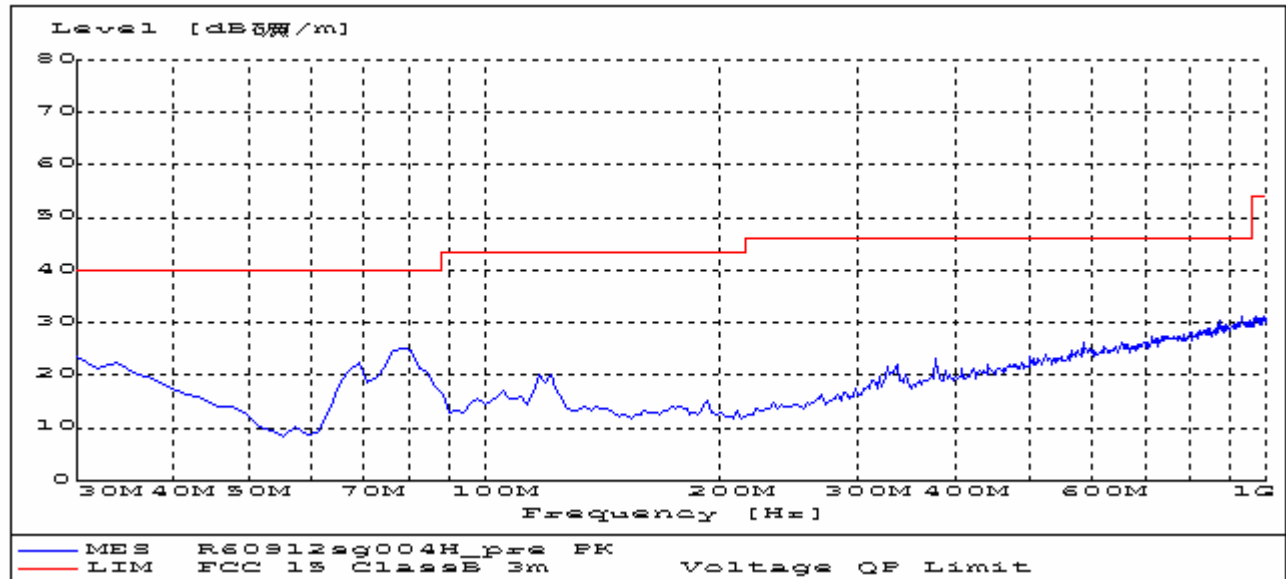
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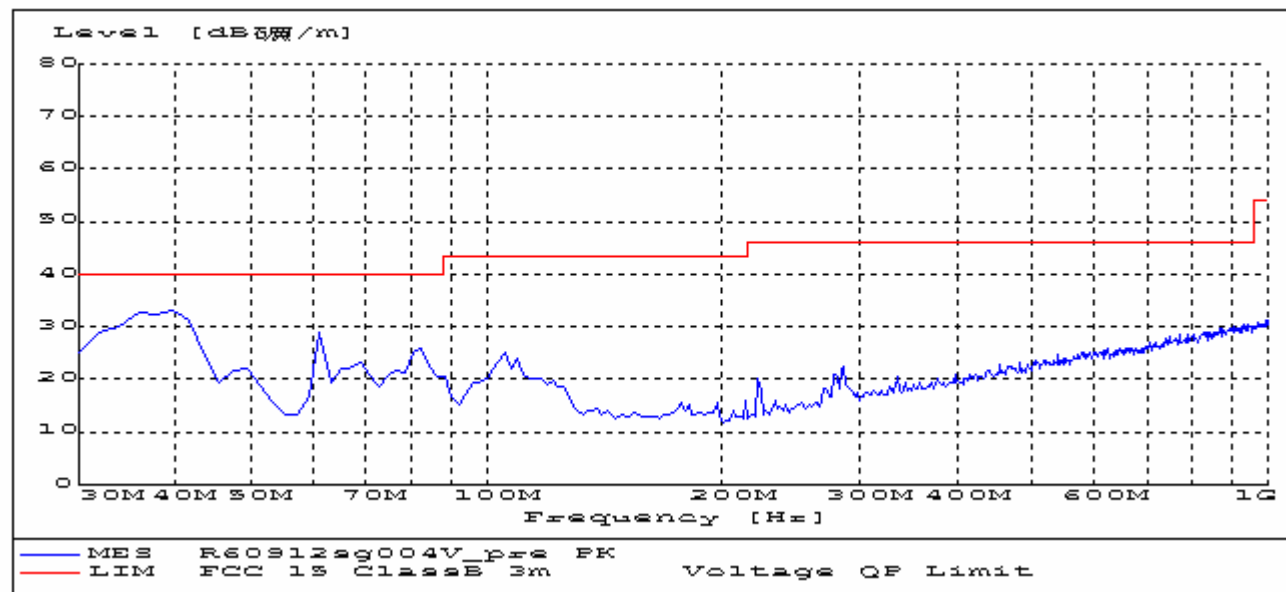
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GSM1900 dedicated: (test with the adapter of power supply 06)

Horizontal:



Vertical:



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

|                   |                                                                                                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | CFR 47 part 15                                                                                                                                                      |
| Test Method:      | ANSI C63.4                                                                                                                                                          |
| Test Date:        | 25 September 2006                                                                                                                                                   |
| Frequency Range:  | 150kHz to 30MHz                                                                                                                                                     |
| Class:            | N/A                                                                                                                                                                 |
| Limit:            | 66 dB $\mu$ V - 56 dB $\mu$ V between 150kHz & 500kHz Quasi-peak<br>56 dB $\mu$ V between 0.5MHz & 5MHz Quasi-peak<br>60 dB $\mu$ V between 5MHz & 30MHz Quasi-peak |

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

Operating Environment:

Temperature: 24.0°C Humidity: 58% RH Atmospheric Pressure:

EUT Operation: EUT allocated channel mode GSM850&PCS 1900 with charger and data cable. And we just choose the worst case for the report

#### 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.

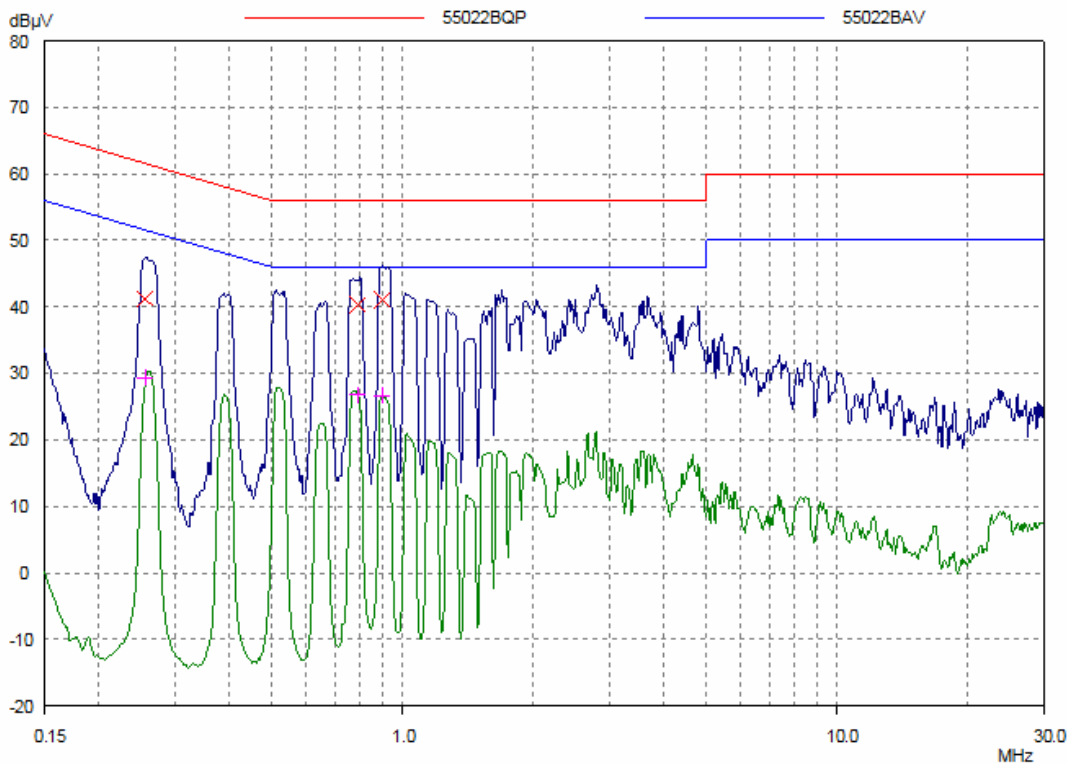
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Power Supply1:  
GSM 850 dedicated, charging with adaptor:  
L Line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.25582          | 41.16            | 61.57            | 20.41          |
| 0.78683          | 40.30            | 56.00            | 15.70          |
| 0.90097          | 40.94            | 56.00            | 15.06          |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.25582          | 29.27            | 51.57            | 22.30          |
| 0.78683          | 26.71            | 46.00            | 19.29          |
| 0.90097          | 26.67            | 46.00            | 19.33          |

# SGS-CSTC Standards

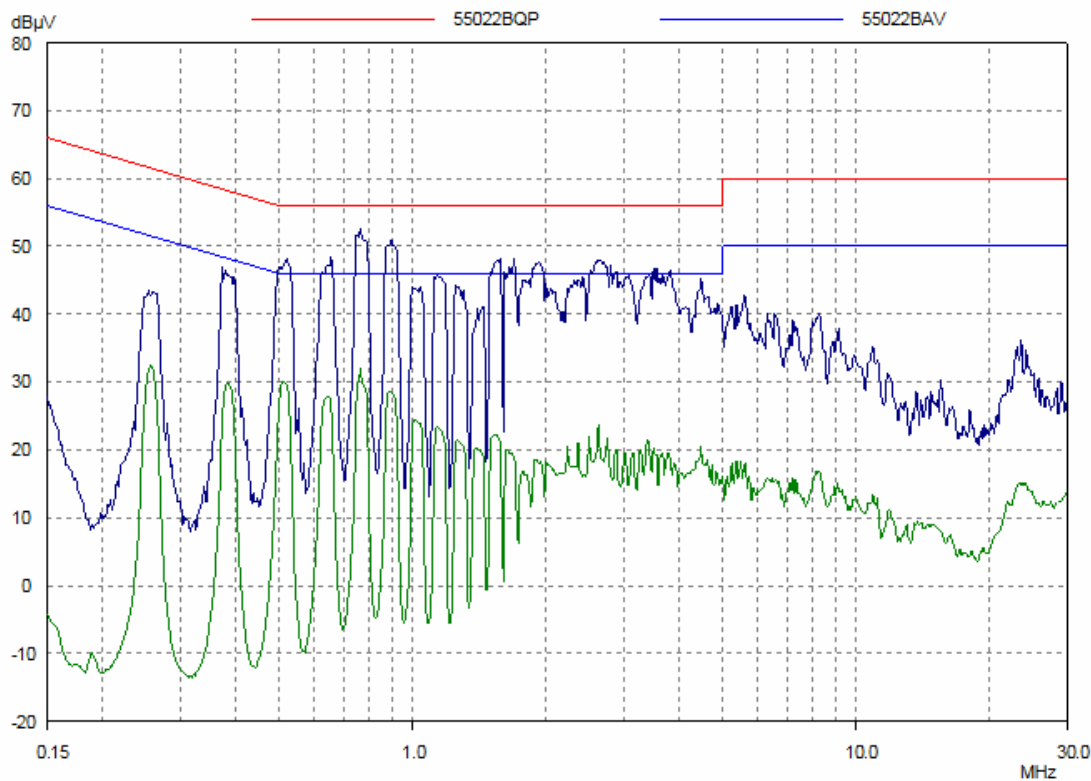
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N Line:



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

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

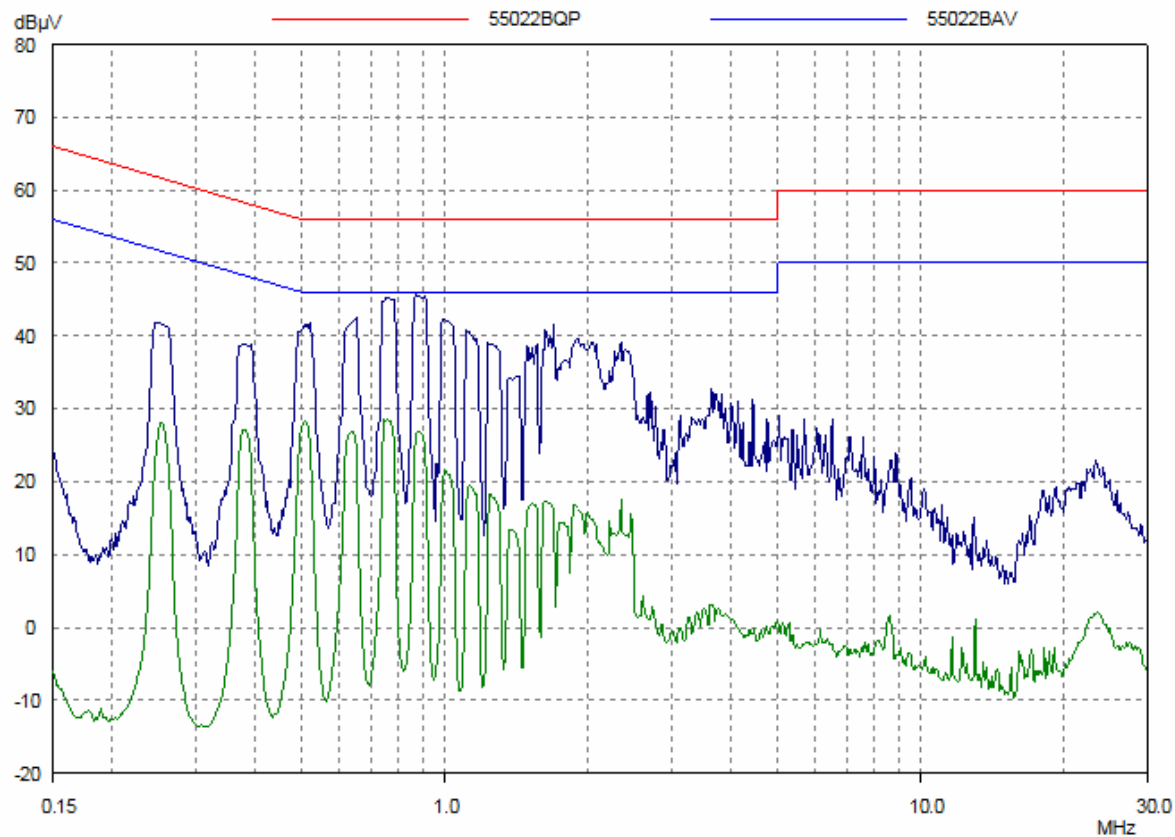
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PCS 1900 dedicated, charging with adaptor:  
L Line:



| Frequency | Receiver<br>QP  | Limit  | Margin | Receiver<br>AV  | Limit  | Margin |
|-----------|-----------------|--------|--------|-----------------|--------|--------|
| (MHz)     | Level<br>(dBuV) | (dBuV) | (dB)   | Level<br>(dBuV) | (dBuV) | (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.

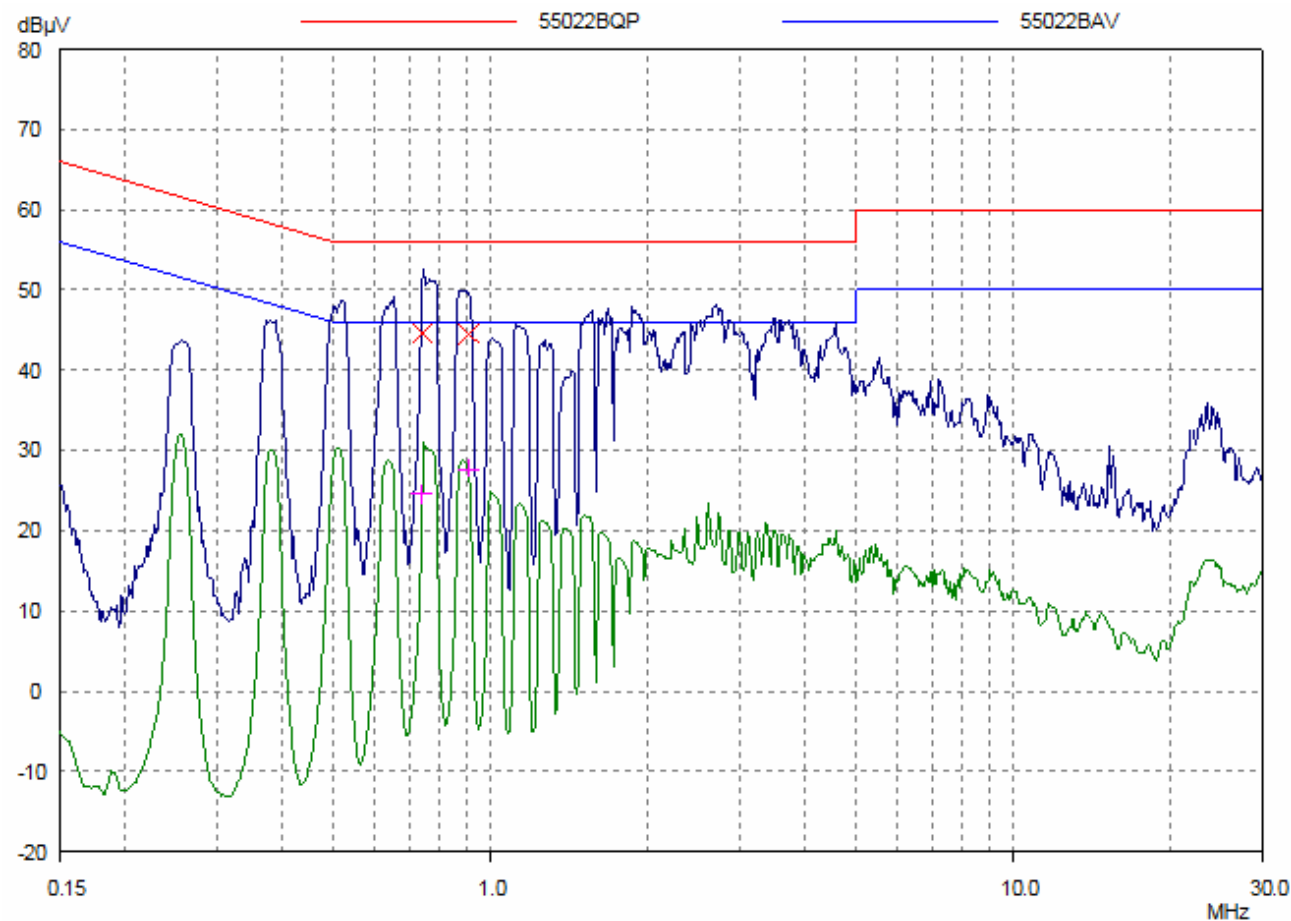
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N Line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBµV | QP Limit<br>dBµV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.73824          | 44.60            | 56.00            | 11.40          |
| 0.90817          | 44.55            | 56.00            | 11.45          |

| Frequency<br>MHz | AV Level<br>dBµV | AV Limit<br>dBµV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.73824          | 24.58            | 46.00            | 21.42          |
| 0.90817          | 27.66            | 46.00            | 18.34          |

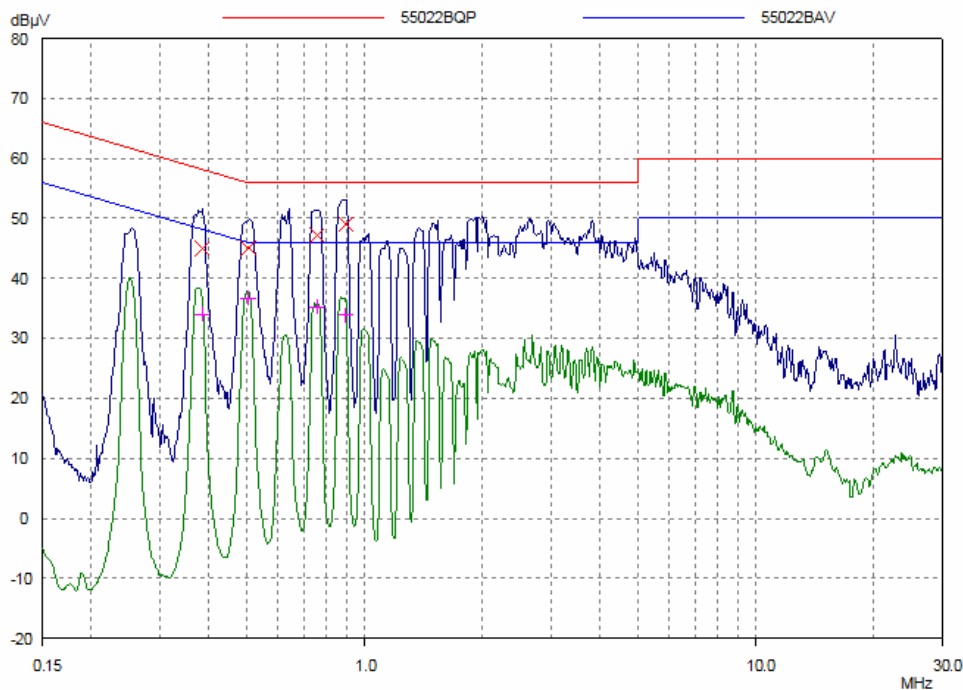
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Power Supply 2:  
GSM 850 dedicated, charging with adaptor:  
L Line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBµV | QP Limit<br>dBµV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.38409          | 44.94            | 58.19            | 13.25          |
| 0.5036           | 45.03            | 56.00            | 10.97          |
| 0.7561           | 47.24            | 56.00            | 8.76           |
| 0.89382          | 48.92            | 56.00            | 7.08           |

| Frequency<br>MHz | AV Level<br>dBµV | AV Limit<br>dBµV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.38409          | 33.87            | 48.19            | 14.32          |
| 0.5036           | 36.61            | 46.00            | 9.39           |
| 0.7561           | 35.08            | 46.00            | 10.92          |
| 0.89382          | 33.84            | 46.00            | 12.16          |

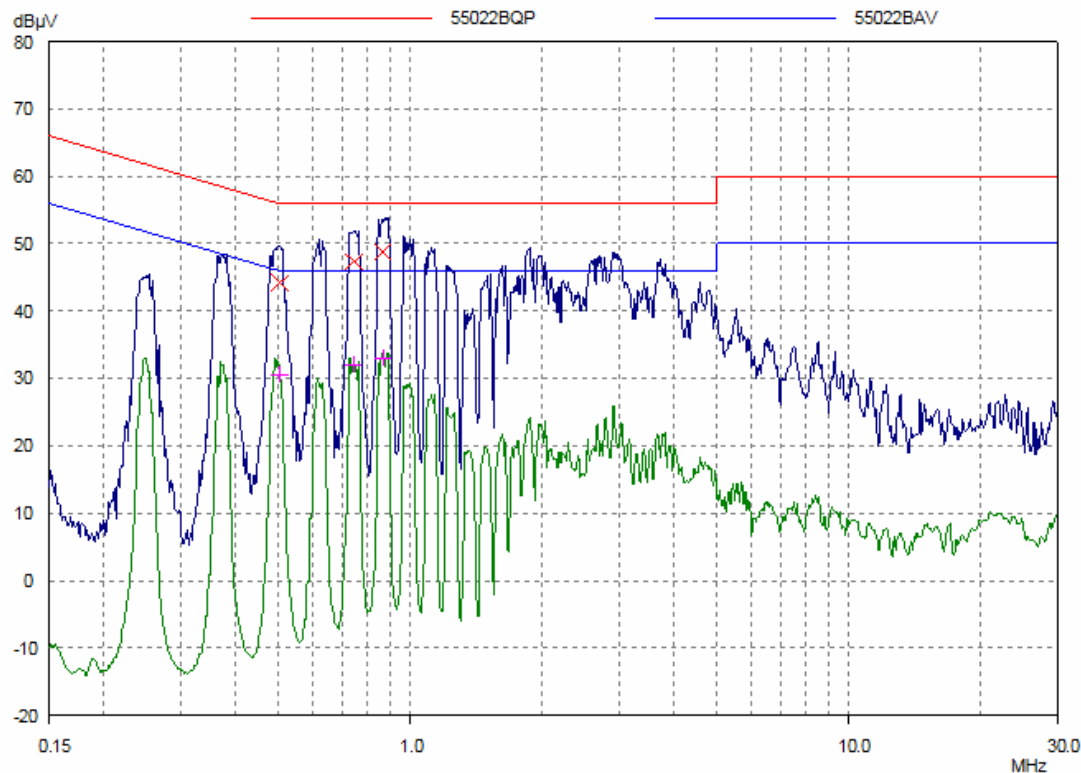
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N line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.5036           | 44.16            | 56.00            | 11.84          |
| 0.74414          | 47.27            | 56.00            | 8.73           |
| 0.86578          | 48.66            | 56.00            | 7.34           |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.5036           | 30.59            | 46.00            | 15.41          |
| 0.74414          | 31.96            | 46.00            | 14.04          |
| 0.86578          | 32.93            | 46.00            | 13.07          |

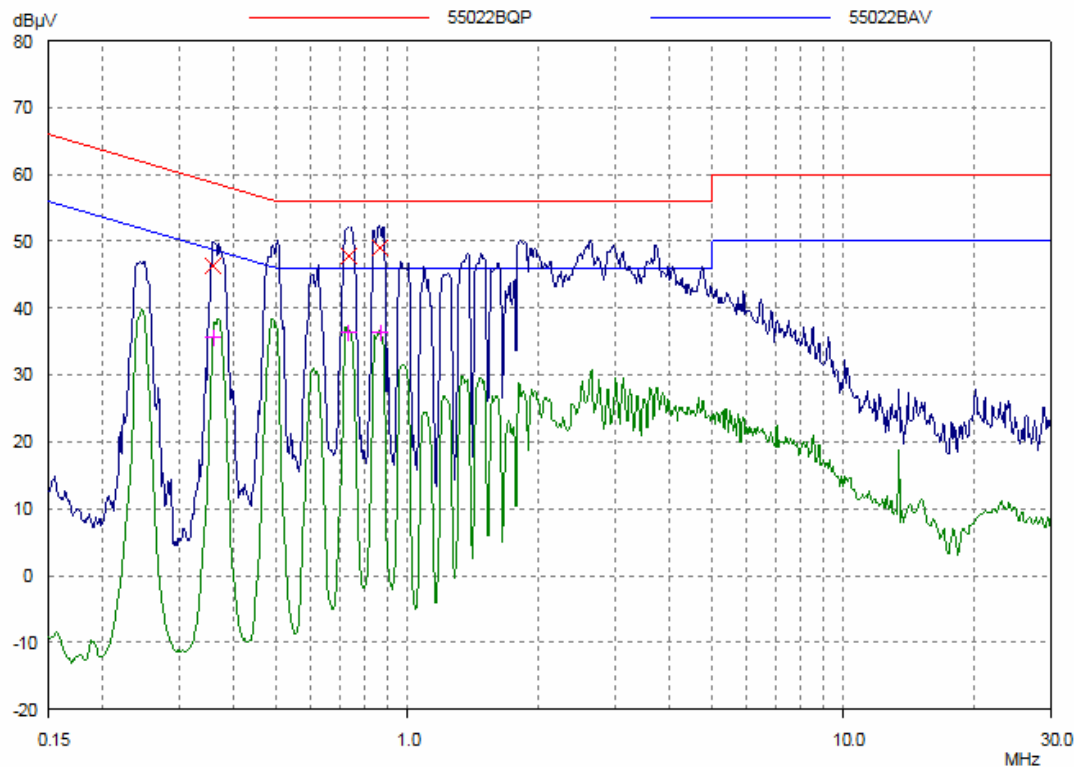
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PCS 1900 dedicated, charging with adaptor:  
L Line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBµV | QP Limit<br>dBµV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.35751          | 46.38            | 58.79            | 12.41          |
| 0.73238          | 47.82            | 56.00            | 8.18           |
| 0.86578          | 48.92            | 56.00            | 7.08           |

| Frequency<br>MHz | AV Level<br>dBµV | AV Limit<br>dBµV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.35751          | 35.63            | 48.79            | 13.16          |
| 0.73238          | 36.24            | 46.00            | 9.76           |
| 0.86578          | 36.34            | 46.00            | 9.66           |

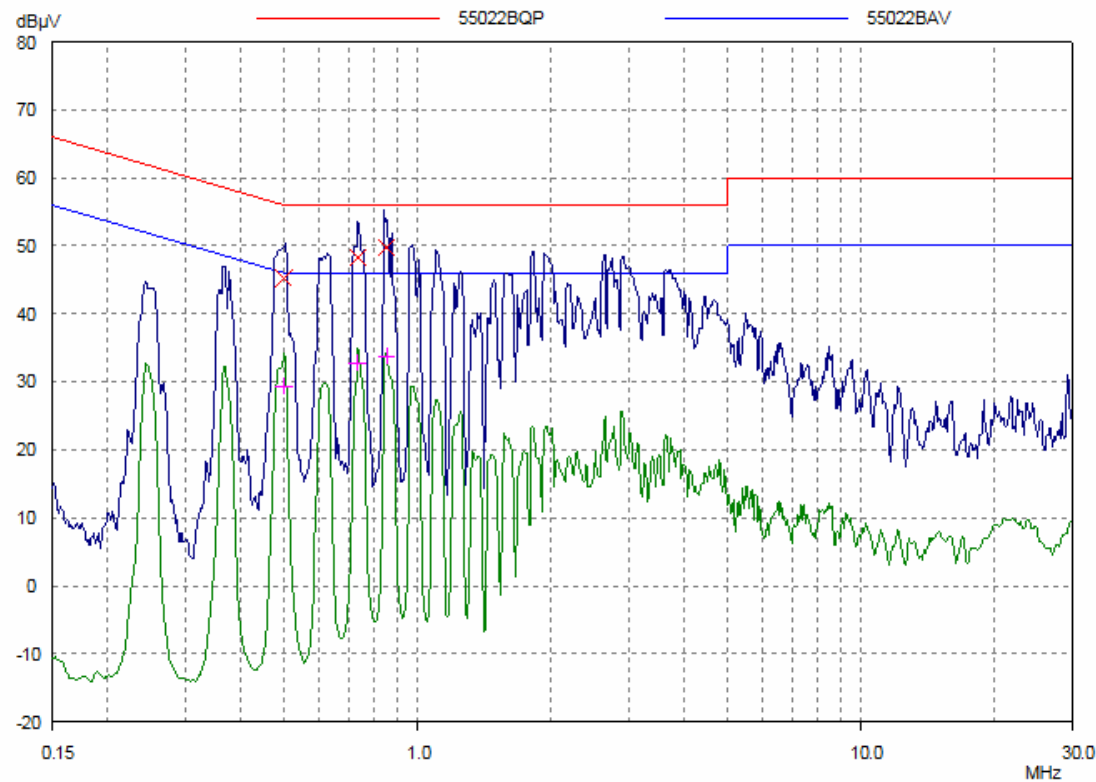
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N Line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBµV | QP Limit<br>dBµV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.49961          | 45.20            | 56.01            | 10.81          |
| 0.73238          | 48.22            | 56.00            | 7.78           |
| 0.85209          | 49.65            | 56.00            | 6.35           |

| Frequency<br>MHz | AV Level<br>dBµV | AV Limit<br>dBµV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.49961          | 29.25            | 46.01            | 16.76          |
| 0.73238          | 32.68            | 46.00            | 13.32          |
| 0.85209          | 33.69            | 46.00            | 12.31          |

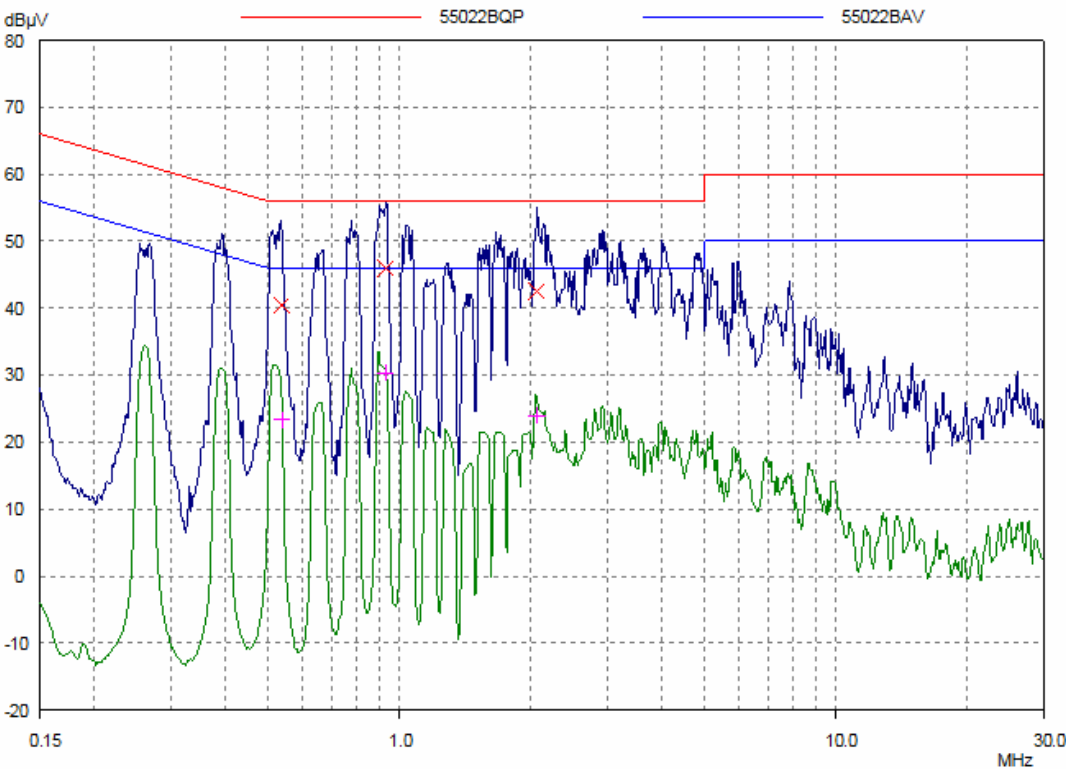
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Power supply 03  
GSM850 dedicated, charging with adaptor:  
L line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBµV | QP Limit<br>dBµV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.53675          | 40.32            | 56.00            | 15.68          |
| 0.93015          | 45.87            | 56.00            | 10.13          |
| 2.0635           | 42.50            | 56.00            | 13.50          |

| Frequency<br>MHz | AV Level<br>dBµV | AV Limit<br>dBµV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.53675          | 23.30            | 46.00            | 22.70          |
| 0.93015          | 30.23            | 46.00            | 15.77          |
| 2.0635           | 23.96            | 46.00            | 22.04          |

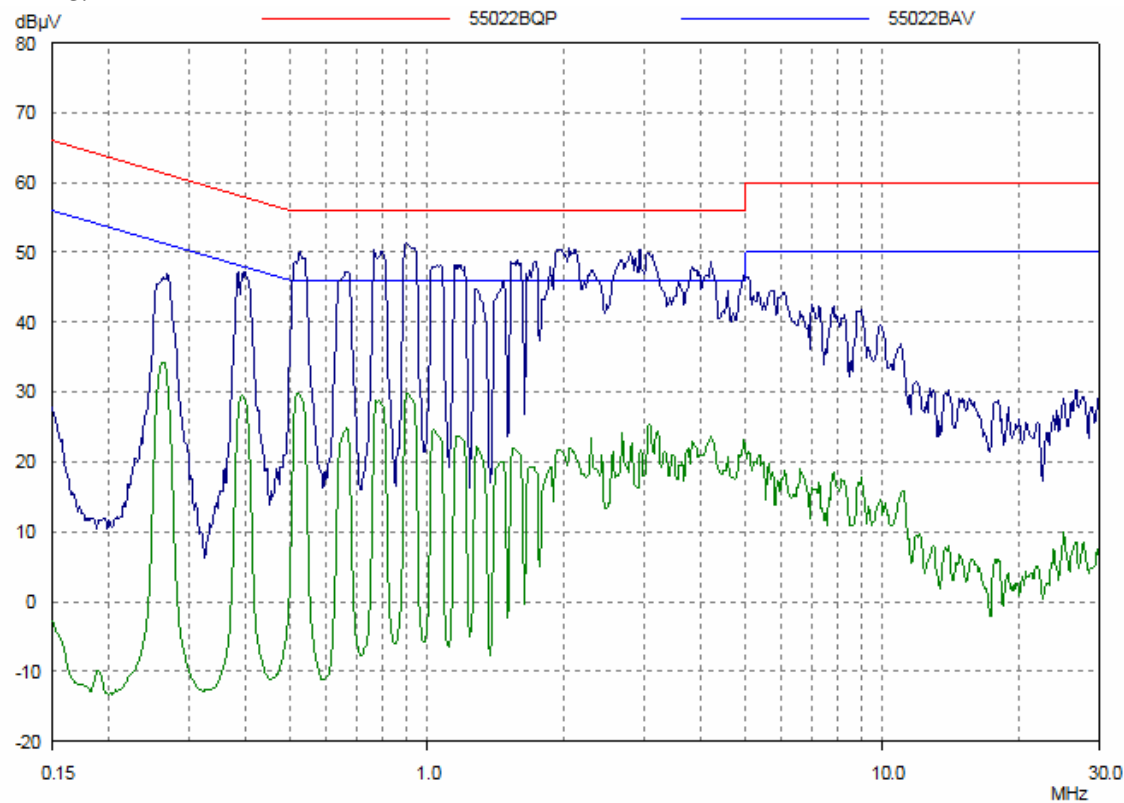
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N line:



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

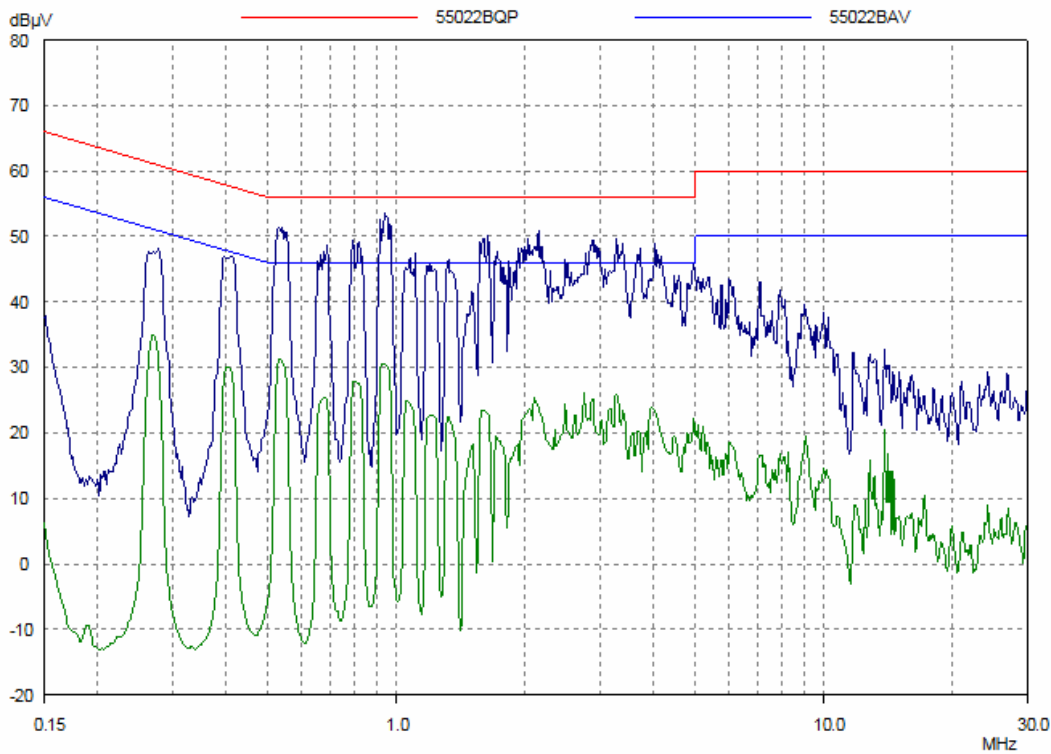
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PCS1900 dedicated, charging with adaptor:  
L line:



| Frequency | Receiver |        |        | Receiver |        |        |
|-----------|----------|--------|--------|----------|--------|--------|
|           | QP       | Limit  | Margin | AV       | Limit  | Margin |
| (MHz)     | Level    | (dBμV) | (dB)   | Level    | (dBμV) | (dB)   |
|           | (dBμV)   |        |        | (dBμV)   |        |        |
| 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.

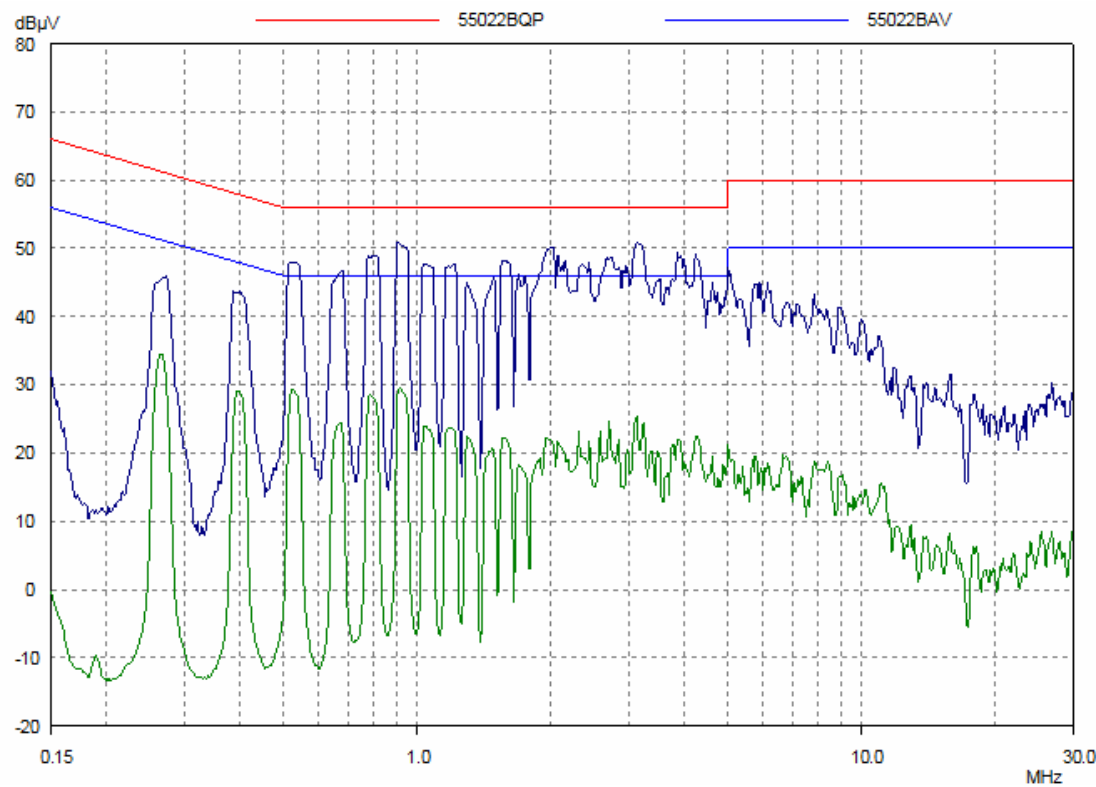
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N line:



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

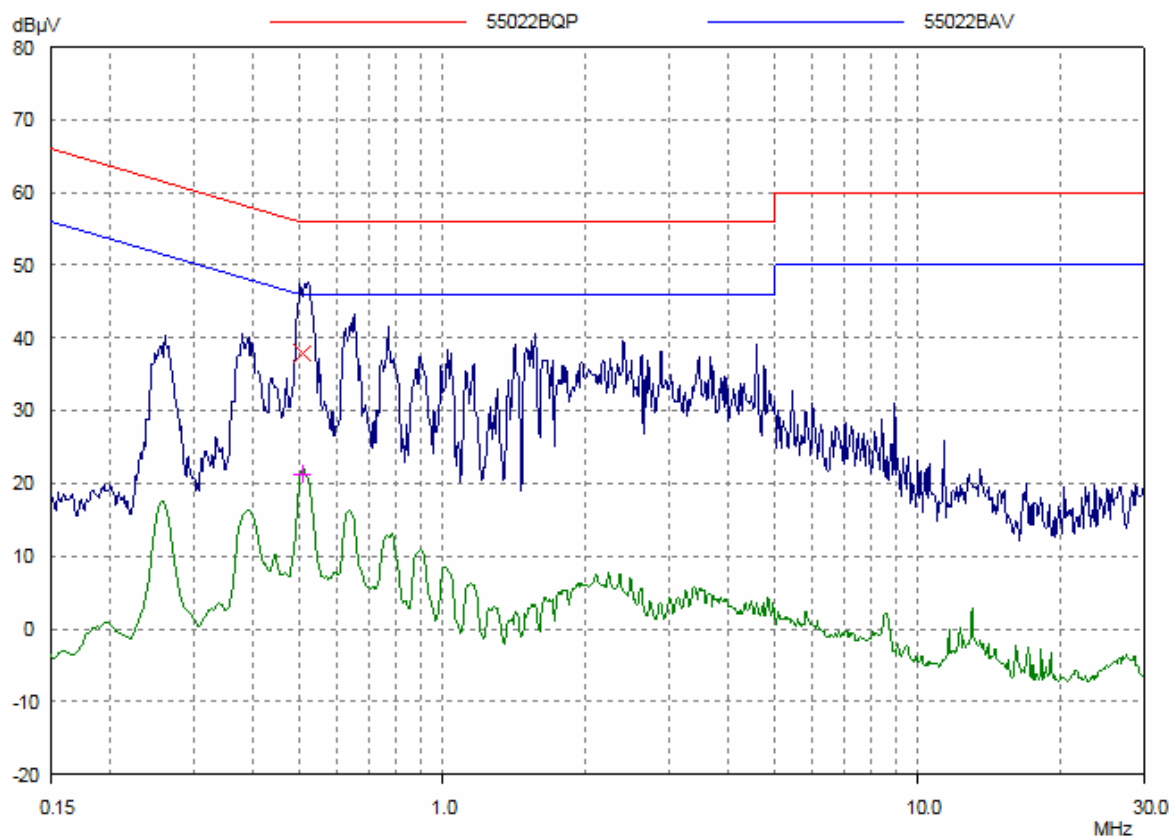
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Power supply 04  
GSM850 dedicated, charging with adaptor:  
L line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBµV | QP Limit<br>dBµV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.50763          | 37.85            | 56.00            | 18.15          |

| Frequency<br>MHz | AV Level<br>dBµV | AV Limit<br>dBµV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.50763          | 21.19            | 46.00            | 24.81          |

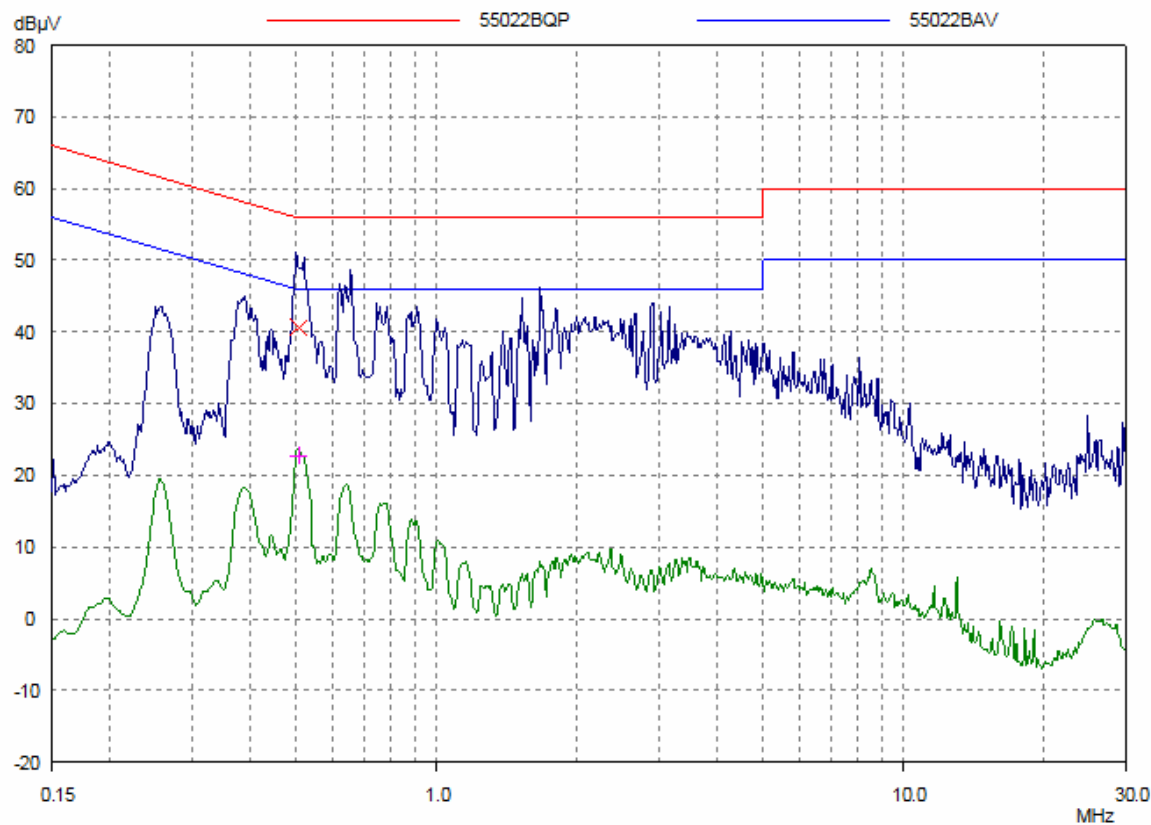
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N line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.50763          | 40.62            | 56.00            | 15.38          |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.50763          | 22.73            | 46.00            | 23.27          |

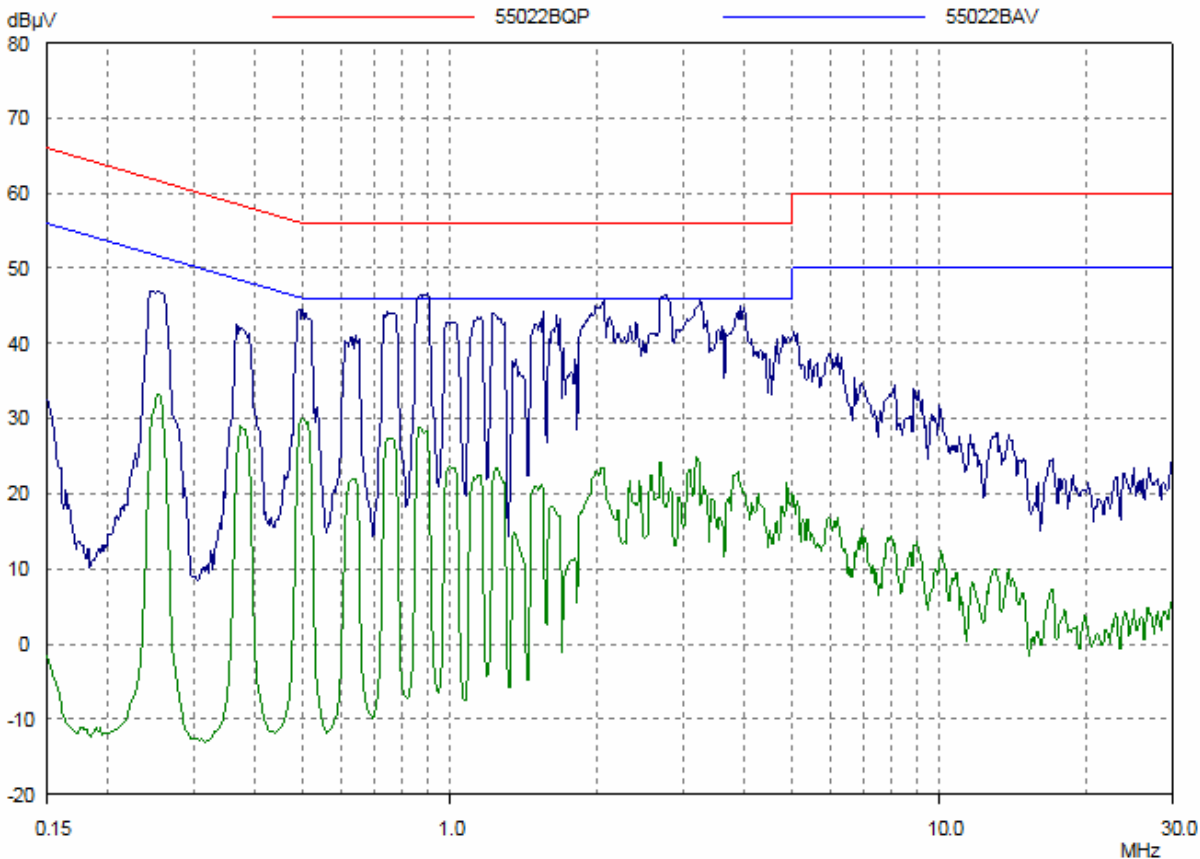
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PCS1900 dedicated, charging with adaptor:  
L line:



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

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

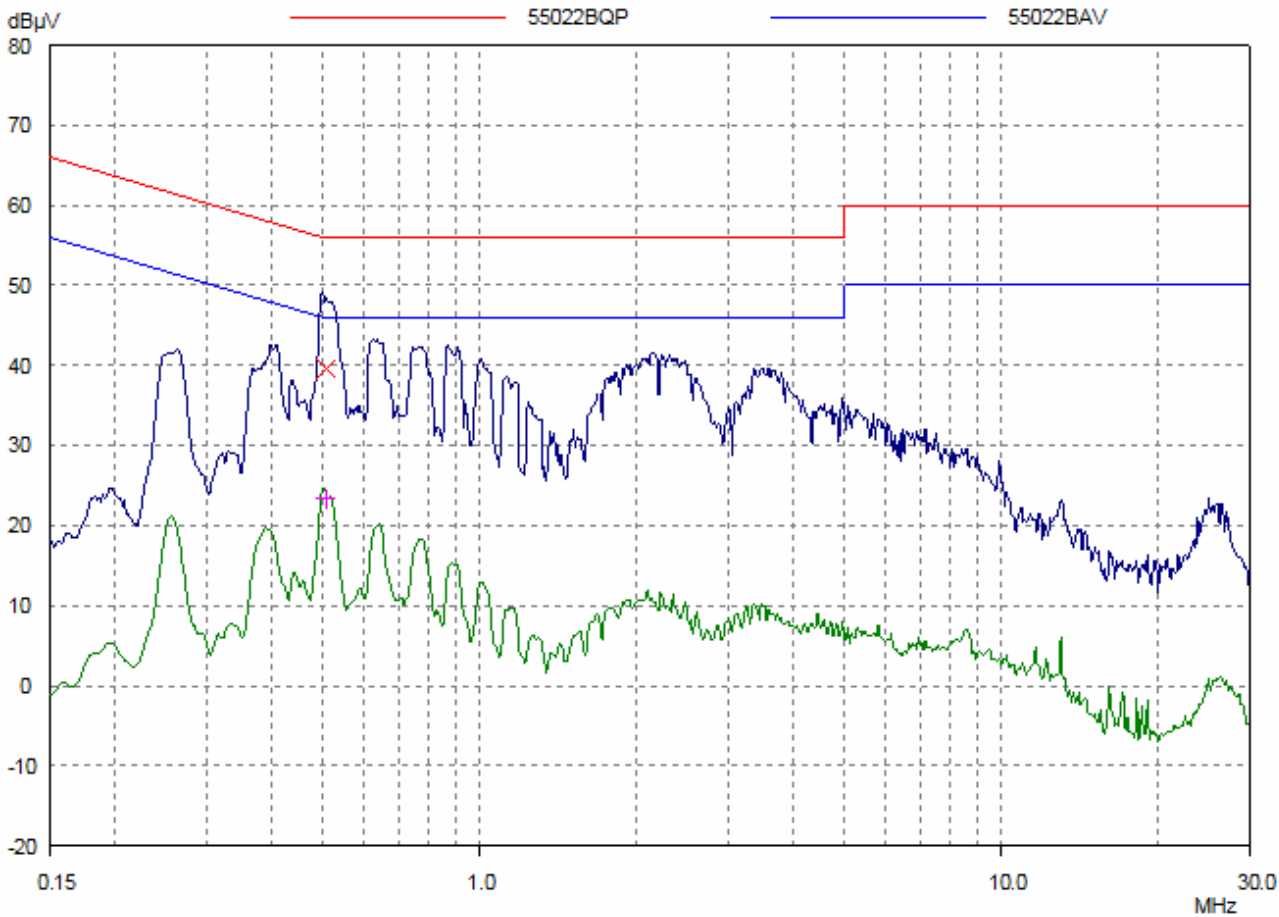
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N line



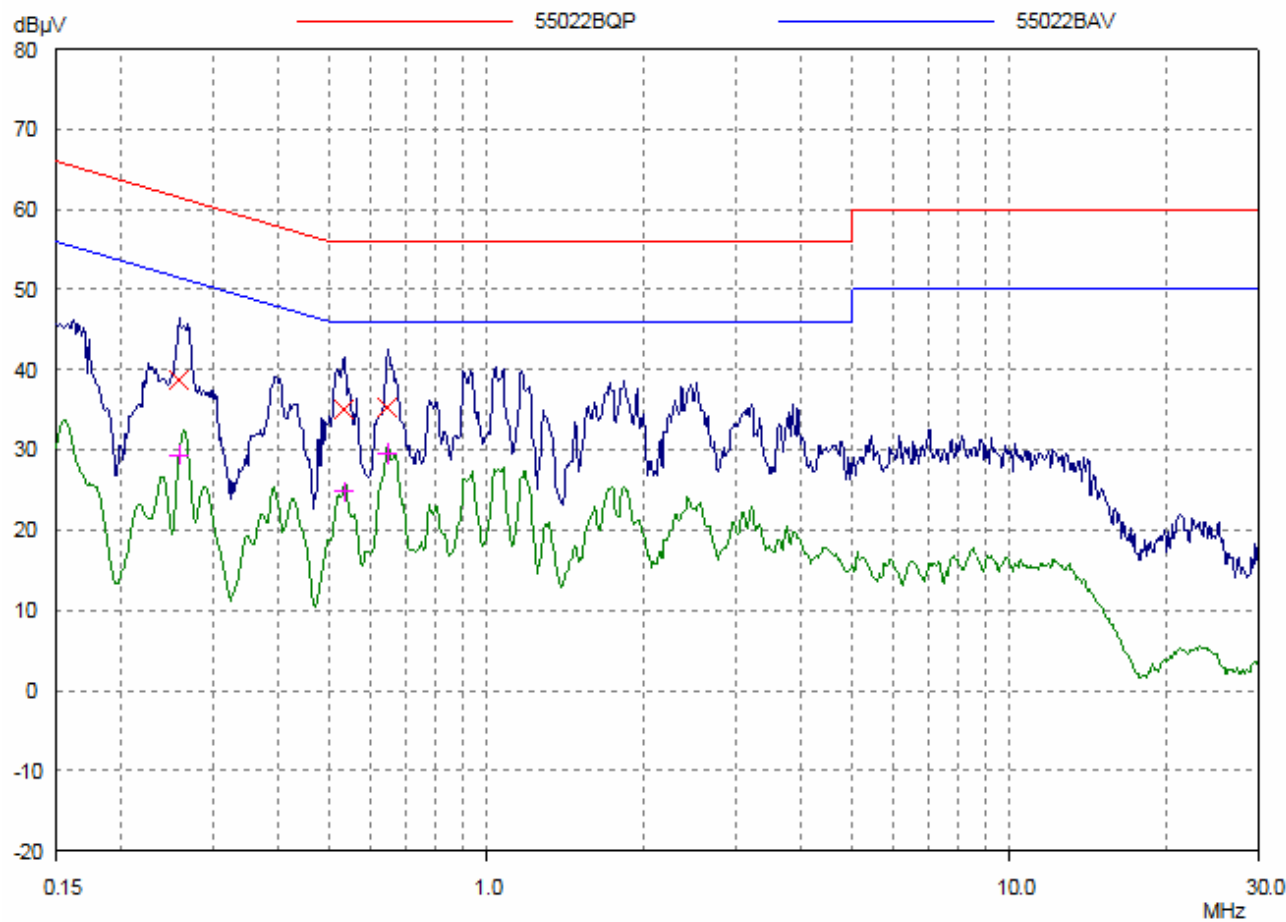
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Power supply 05  
GSM850 dedicated, charging with adaptor:  
L line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBµV | QP Limit<br>dBµV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.25787          | 38.78            | 61.50            | 22.72          |
| 0.53249          | 35.07            | 56.00            | 20.93          |
| 0.64471          | 35.34            | 56.00            | 20.66          |

| Frequency<br>MHz | AV Level<br>dBµV | AV Limit<br>dBµV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.25787          | 29.35            | 51.50            | 22.15          |
| 0.53249          | 24.79            | 46.00            | 21.21          |
| 0.64471          | 29.44            | 46.00            | 16.56          |

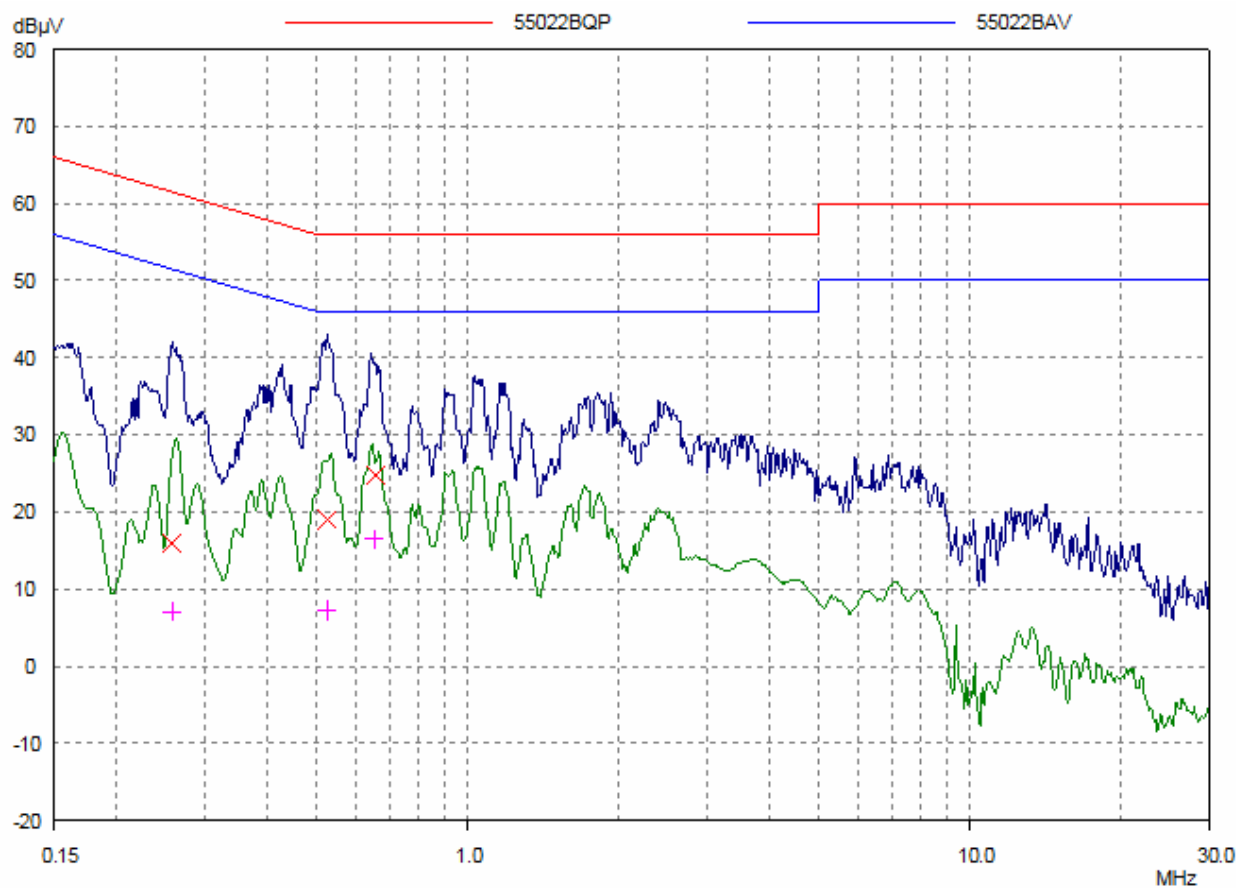
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N line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBµV | QP Limit<br>dBµV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.25787          | 15.92            | 61.50            | 45.58          |
| 0.52407          | 18.95            | 56.00            | 37.05          |
| 0.65507          | 24.69            | 56.00            | 31.31          |

| Frequency<br>MHz | AV Level<br>dBµV | AV Limit<br>dBµV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.25787          | 6.93             | 51.50            | 44.57          |
| 0.52407          | 7.17             | 46.00            | 38.83          |
| 0.65507          | 16.49            | 46.00            | 29.51          |

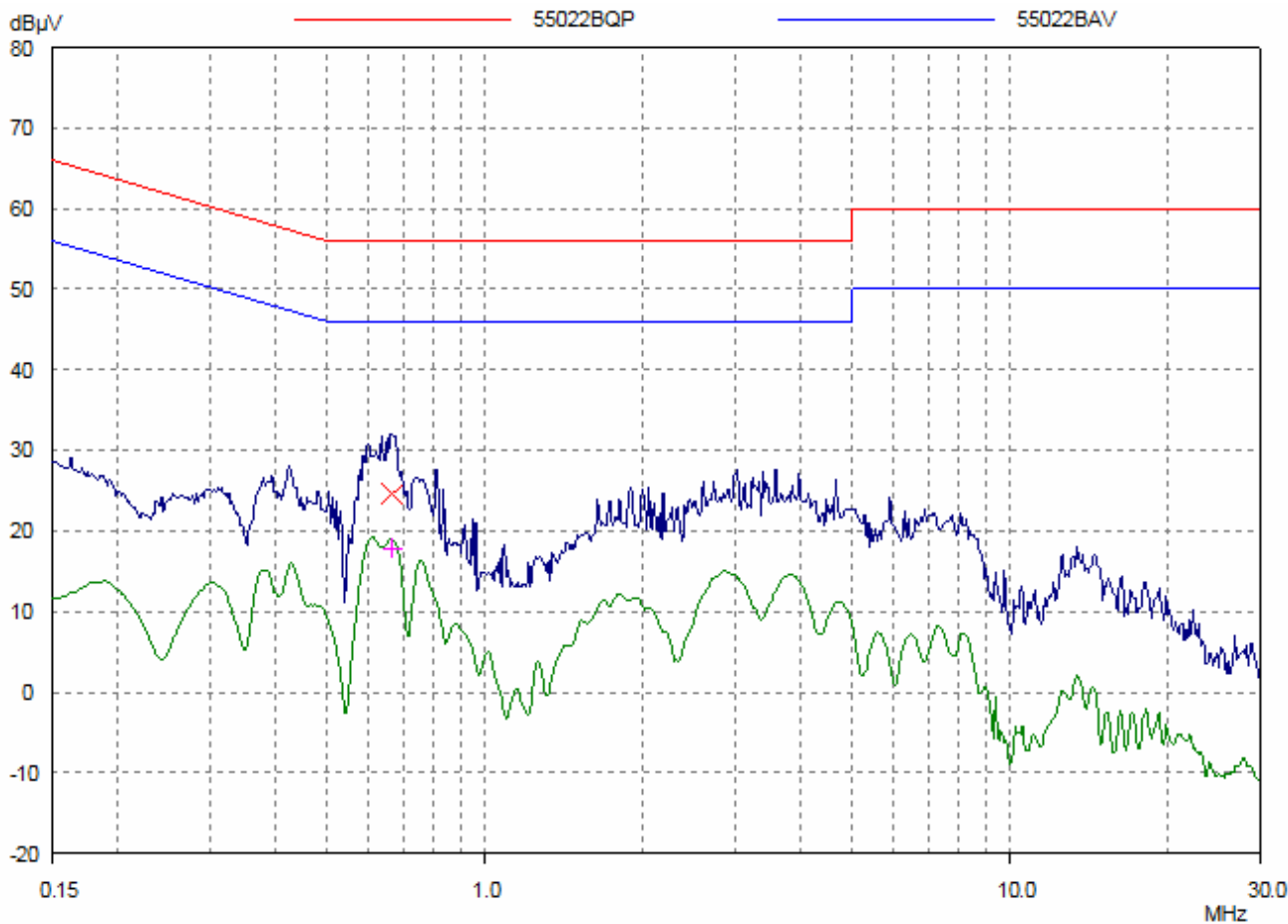
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PCS1900 dedicated, charging with adaptor:  
L line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBµV | QP Limit<br>dBµV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.66559          | 24.57            | 56.00            | 31.43          |

| Frequency<br>MHz | AV Level<br>dBµV | AV Limit<br>dBµV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.66559          | 17.83            | 46.00            | 28.17          |

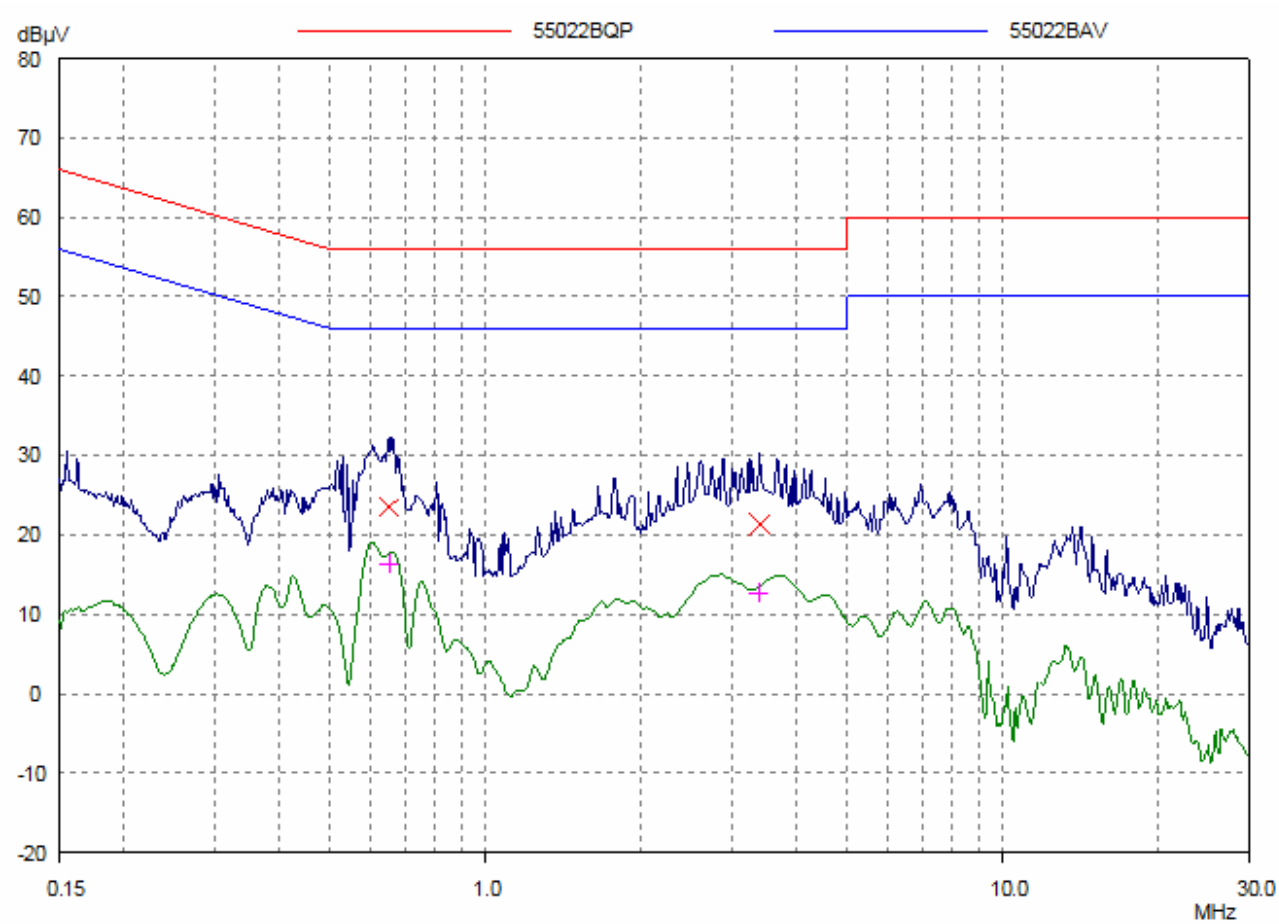
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N line:



## Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBµV | QP Limit<br>dBµV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.64987          | 23.44            | 56.00            | 32.56          |
| 3.38188          | 21.29            | 56.00            | 34.71          |
| Frequency<br>MHz | AV Level<br>dBµV | AV Limit<br>dBµV | AV Delta<br>dB |
| 0.64987          | 16.36            | 46.00            | 29.64          |
| 3.38188          | 12.67            | 46.00            | 33.33          |

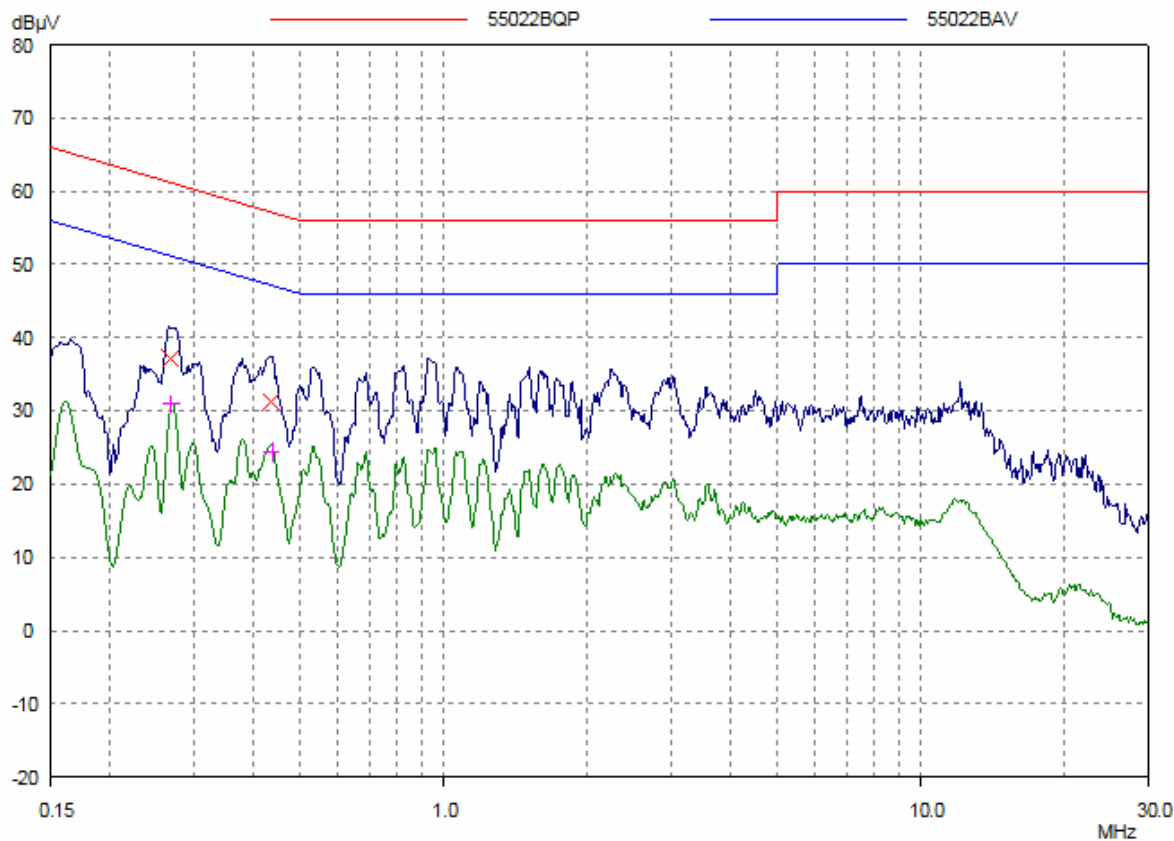
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GSM850 dedicated, charging with adaptor:  
L line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBµV | QP Limit<br>dBµV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.26835          | 37.21            | 61.17            | 23.96          |
| 0.43631          | 31.22            | 57.13            | 25.91          |

| Frequency<br>MHz | AV Level<br>dBµV | AV Limit<br>dBµV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.26835          | 30.90            | 51.17            | 20.27          |
| 0.43631          | 24.35            | 47.13            | 22.78          |

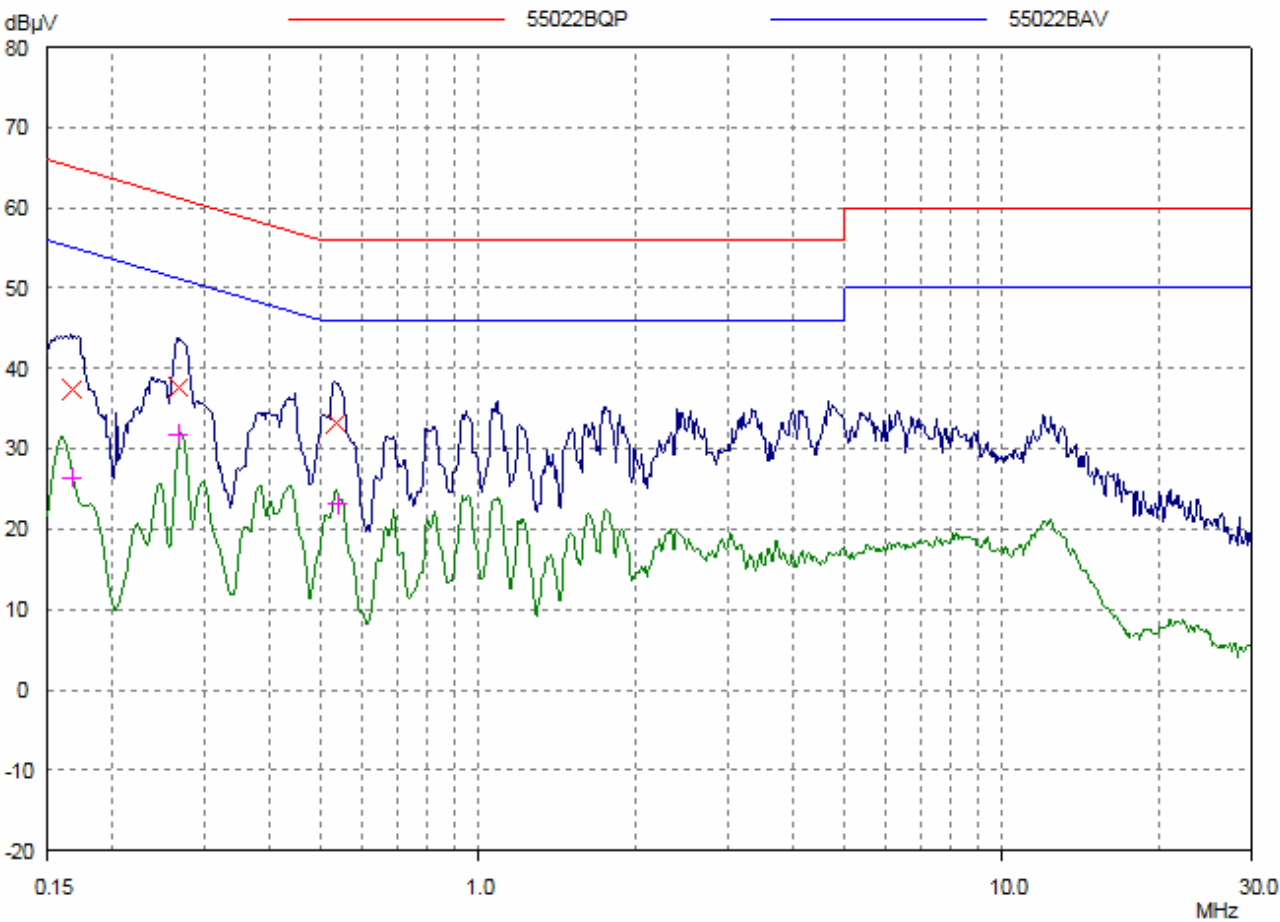
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Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBµV | QP Limit<br>dBµV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.1677           | 37.36            | 65.07            | 27.71          |
| 0.26835          | 37.67            | 61.17            | 23.50          |
| 0.53675          | 33.19            | 56.00            | 22.81          |

| Frequency<br>MHz | AV Level<br>dBµV | AV Limit<br>dBµV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.1677           | 26.37            | 55.07            | 28.70          |
| 0.26835          | 31.71            | 51.17            | 19.46          |
| 0.53675          | 23.04            | 46.00            | 22.96          |

PCS1900 dedicated, charging with adaptor:

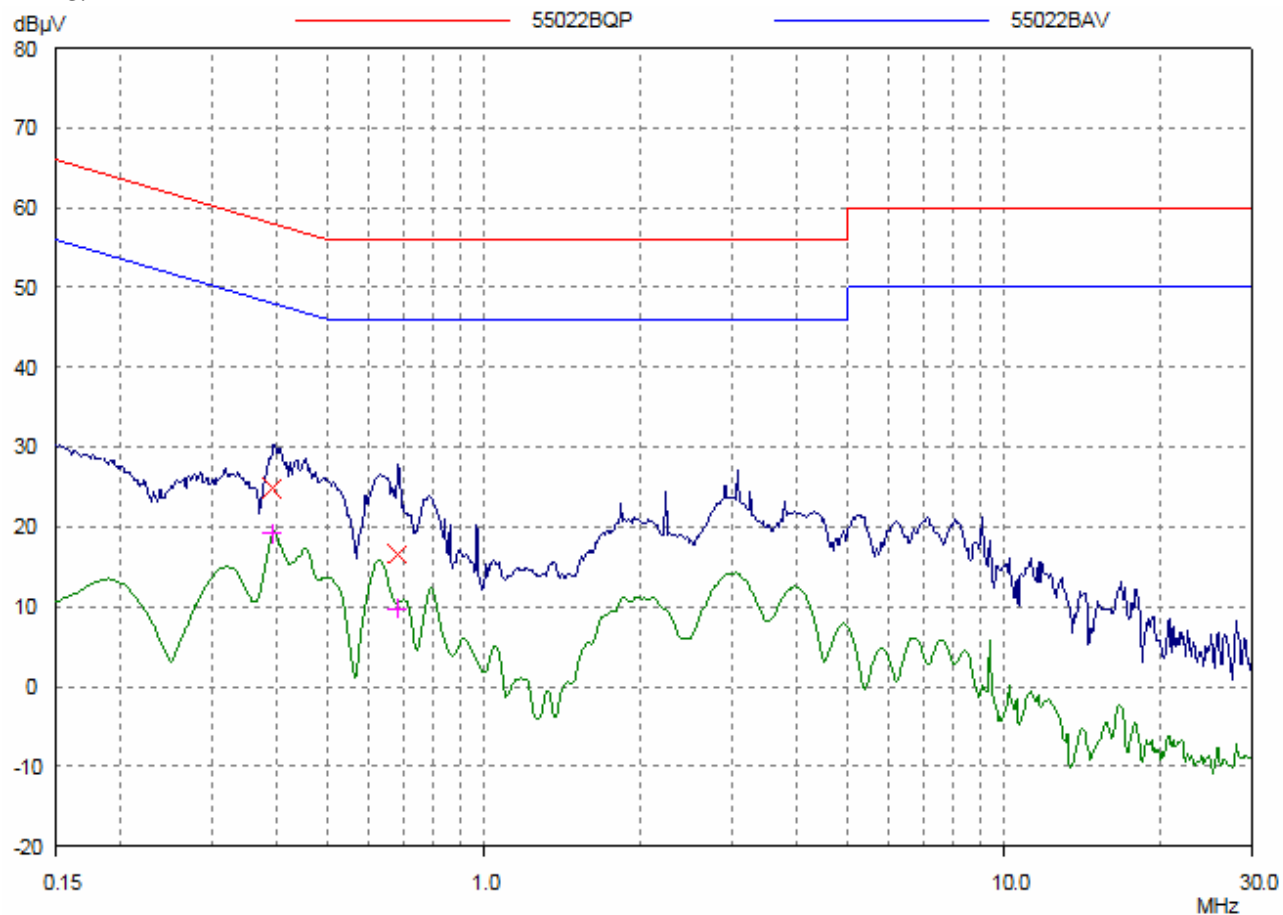
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L line:



Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.39026          | 24.82            | 58.06            | 33.24          |
| 0.68169          | 16.63            | 56.00            | 39.37          |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.39026          | 19.08            | 48.06            | 28.98          |
| 0.68169          | 9.62             | 46.00            | 36.38          |

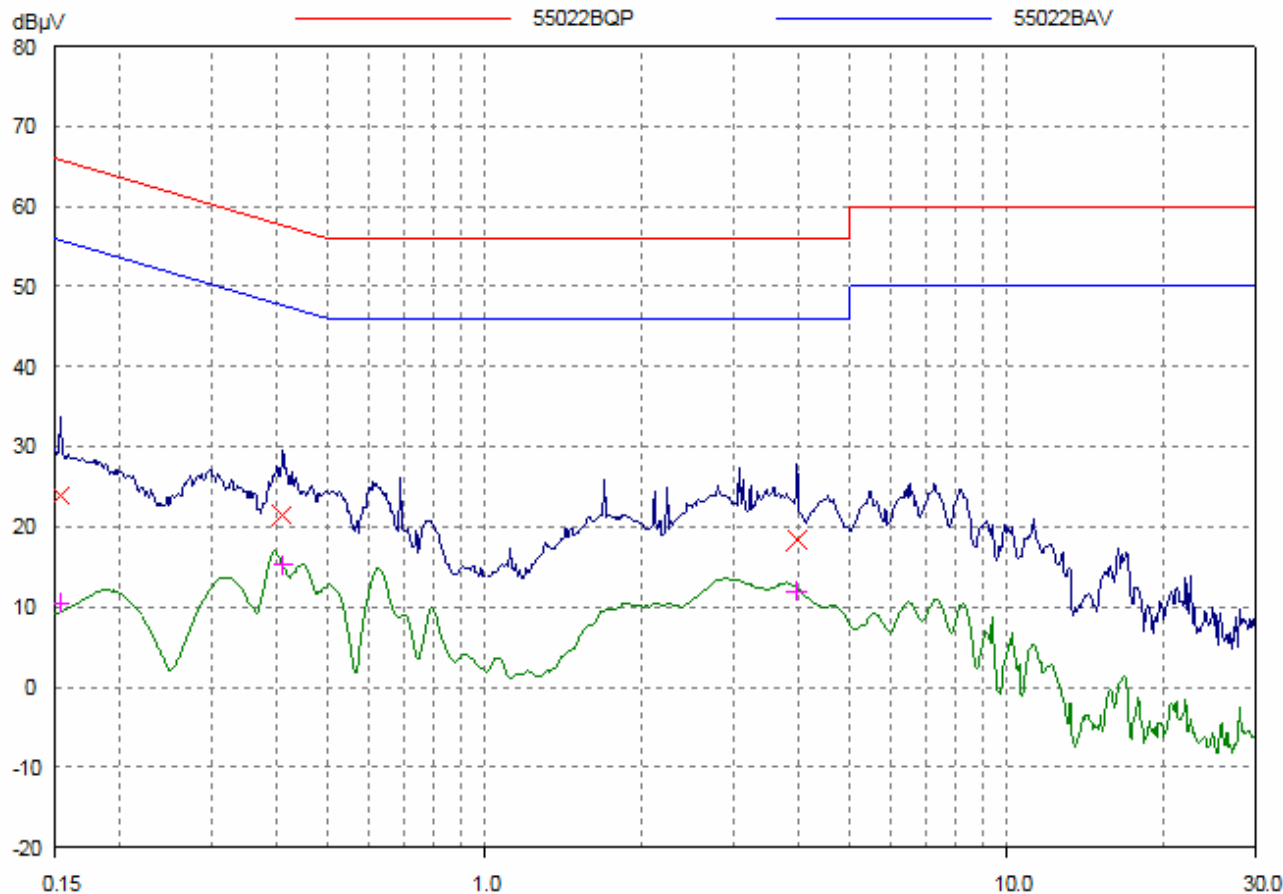
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Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBµV | QP Limit<br>dBµV | QP Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.15362          | 23.87            | 65.80            | 41.93          |
| 0.40937          | 21.39            | 57.66            | 36.27          |
| 3.96615          | 18.31            | 56.00            | 37.69          |

| Frequency<br>MHz | AV Level<br>dBµV | AV Limit<br>dBµV | AV Delta<br>dB |
|------------------|------------------|------------------|----------------|
| 0.15362          | 10.36            | 55.80            | 45.44          |
| 0.40937          | 15.15            | 47.66            | 32.51          |
| 3.96615          | 11.83            | 46.00            | 34.17          |

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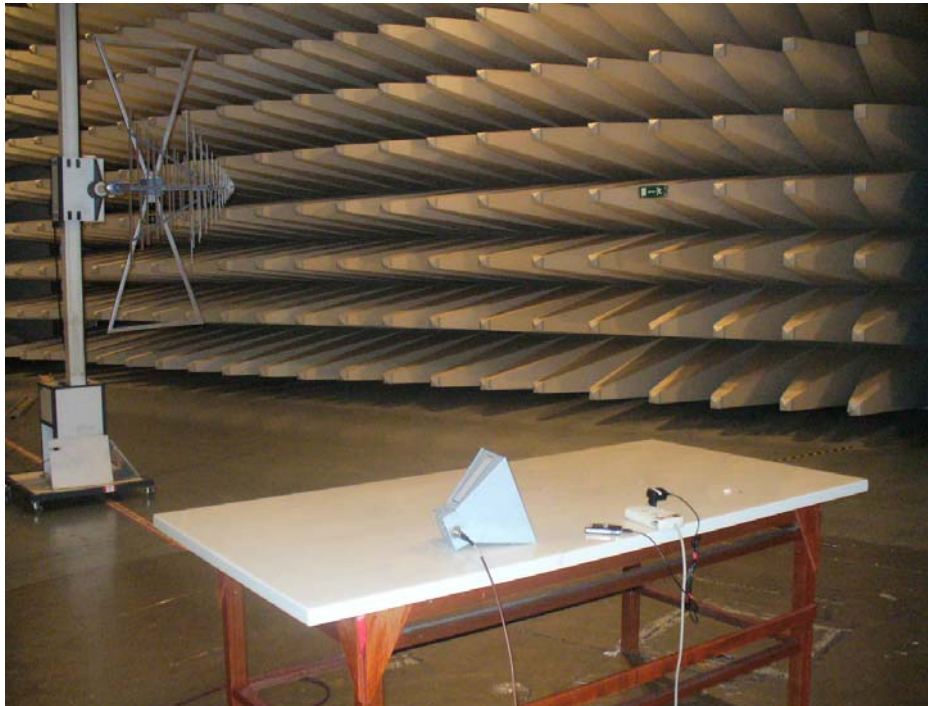
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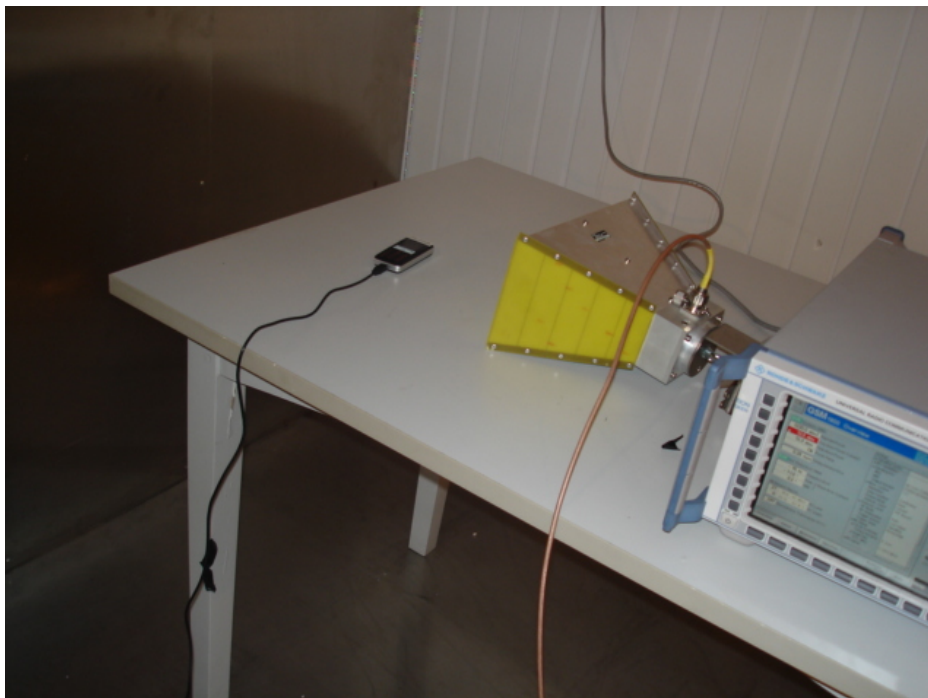
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## 7 Photographs

### 7.1 Radiated Emission Test Setup



### 7.2 Conducted Emission Test Setup



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### 7.3 EUT Construcational Details



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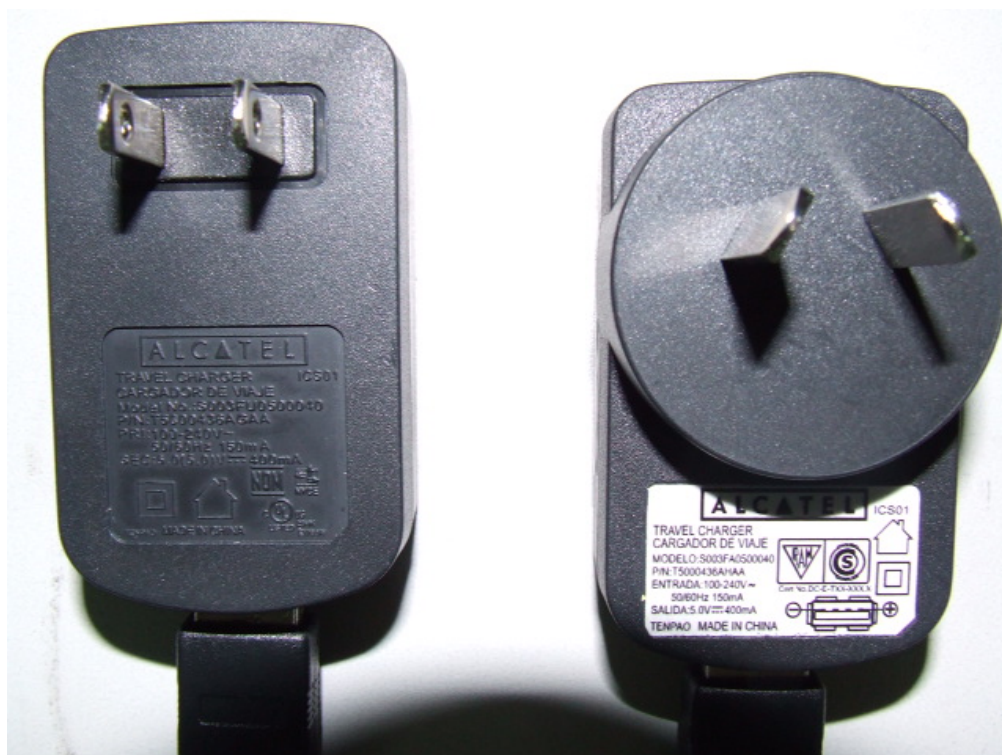


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