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Technical Services Co., Ltd.**

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Yishan Road, Xuhui District, Shanghai, China

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

Report No.: SHEMO080400011TL
Page 1 of 31

EMC TEST REPORT

Application No.: SHEMO080400011TL
Applicant: TCT Mobile Suzhou Limited
Equipment Under Test (EUT):

NOTE: The following sample(s) submitted was/were identified on behalf of the client as

EUT Name: GSM Mobile Phone
Model Name: Bubble AT&T
Market Name: OT-V270A
Standards: CFR 47 part 2: 2004,
CFR 47 Part 15: 2005,
ANSI C63.4: 2003

Date of Receipt: April 18, 2008Bubble
Date of Test: April 18, 2008 to April 23, 2008
Date of Issue: May 6, 2008

Test Result :	PASS*
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* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



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



San Yuan
E&E EMC Engineer
SGS-CSTC Co., Ltd

This report refers to the General Conditions for Inspection and Testing Services, printed overleaf
This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the SGS PRODUCT CERTIFICATION MARK.. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.
This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.
All test results in this report can be traceable to National or International Standards.

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Report No.: SHEMO080400011TL

Page 2 of 31

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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Report No.: SHEMO080400011TL
Page 3 of 31

3 Contents

	Page
1 COVER PAGE.....	1
2 TEST SUMMARY.....	2
3 CONTENTS.....	3
4 GENERAL INFORMATION.....	4
4.1 CLIENT INFORMATION.....	4
4.2 GENERAL DESCRIPTION OF E.U.T.	4
4.3 DESCRIPTION OF SUPPORT UNITS	4
4.4 STANDARDS APPLICABLE FOR TESTING	4
4.5 TEST LOCATION.....	5
4.6 TEST CONFIDENT LEVEL.....	5
4.7 ABNORMALITIES FROM STANDARD CONDITIONS.....	5
5 EQUIPMENT USED DURING TEST.....	6
6 EMISSION TEST RESULTS.....	7
6.1 RADIATED EMISSIONS, 30MHZ TO 1GHZ	7
6.1.1 <i>E.U.T. Operation</i>	7
6.1.2 <i>Test setup:</i>	8
6.2 CONDUCTED EMISSIONS, 150KHZ TO 30MHZ.....	17
6.2.1 <i>E.U.T. Operation</i>	17
6.2.2 <i>Test Result and Partial Measurement Data</i>	17
7 EQUIPMENT UNDER TEST PICTURES.....	26
7.1.1 <i>Radiated Emission Test Setup</i>	26
7.1.2 <i>Conductet Emission Test Setup</i>	27
7.1.3 <i>EUT Constructional Details</i>	28

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Report No.: SHEMO080400011TL
Page 4 of 31

4 General Information

4.1 Client Information

Applicant: TCT Mobile Suzhou Limited
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.: Bubble AT&T
Marketing Name: OT-V270A
Frequency Bands: GSM850/PCS1900
Power Supply1: AC to DC charger (Model No.: T5001448AGAA Input: AC 100V-240V~, 50/60Hz 100mA Output:DC 4.5V, 300mA)
Manufactures: Tenpao
Power cord: 2m
Battery1: DC 3.7V / 750mAh
P/N: T5001298AAAA

4.3 Description of Support Units

The EUT has been tested as an independent unit.

4.4 Standards Applicable for Testing

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

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

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

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

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Report No.: SHEMO080400011TL
Page 5 of 31

4.5 Test Location

The tests of Radiated Emissions was performed at:

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

Conducted Emission was performed at SGS E&E EMC lab

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

4.6 Test Confident level

Test Confident level is recognized, certified, or accredited by the following organizations:

NVLAP – Lab Code: 200632-0

SIMT EMC Laboratory is recognized under the National Voluntary Laboratory Accreditation Program (NVLAP/NIST). NVLAP Code: 200632-0. Effective dates: 2008-01-01 through 2009-12-31.

VCCI

The 10m Semi-anechoic chamber and Shielded Room of SIMT have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: 1153.
Date of Registration: May 19, 2004. Valid until May 18, 2007

CNAL – LAB Code: L0134

SIMT EMC Laboratory has been assessed and in compliance with CNAL/AC01:2005 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:2005 General Requirements for the Competence of Testing Laboratories.)

FCC – Registration No.: 142171

SIMT EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 142171. Effective dates: November 30, 2005 through November 30, 2008. With the above and NVLAP, SIMT is an authorized test laboratory for the DoC process.

4.7 Abnormalities from Standard Conditions

None.

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Report No.: SHEMO080400011TL
Page 6 of 31

5 Equipment Used during Test

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

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

General Equipment

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

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Report No.: SHEMO080400011TL
Page 7 of 31

6 Emission Test Results

6.1 Radiated Emissions, 30MHz to 1GHz

Test Requirement:	CFR 47 Part 15
Test Method:	ANSI C63.4, CISPR 22
Test Date:	April 18, 2008 to April 22, 2008
Frequency Range:	30MHz to 1GHz
Measurement Distance:	3m for ANSI C63.4 and 10m for CISPR 22
Class:	N/A
Detector:	Peak for pre-scan (120kHz resolution bandwidth)

6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 25.0°C Humidity: 55 % RH Atmospheric Pressure: 1012 mbar

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

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

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

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

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

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

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

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

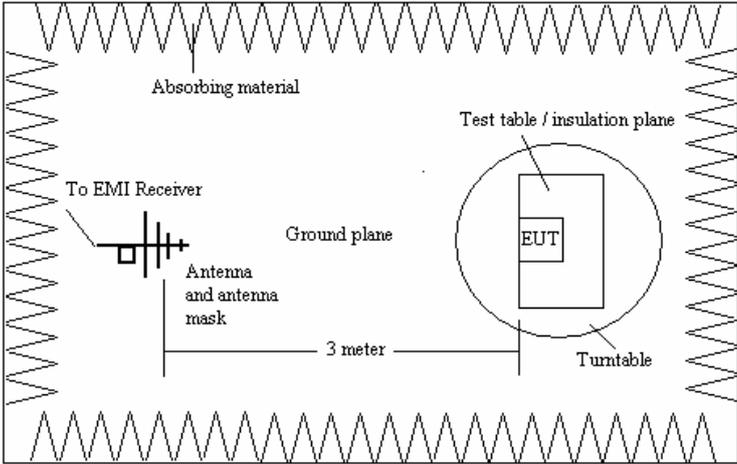
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Report No.: SHEMO080400011TL
Page 8 of 31

6.1.2 Test setup:



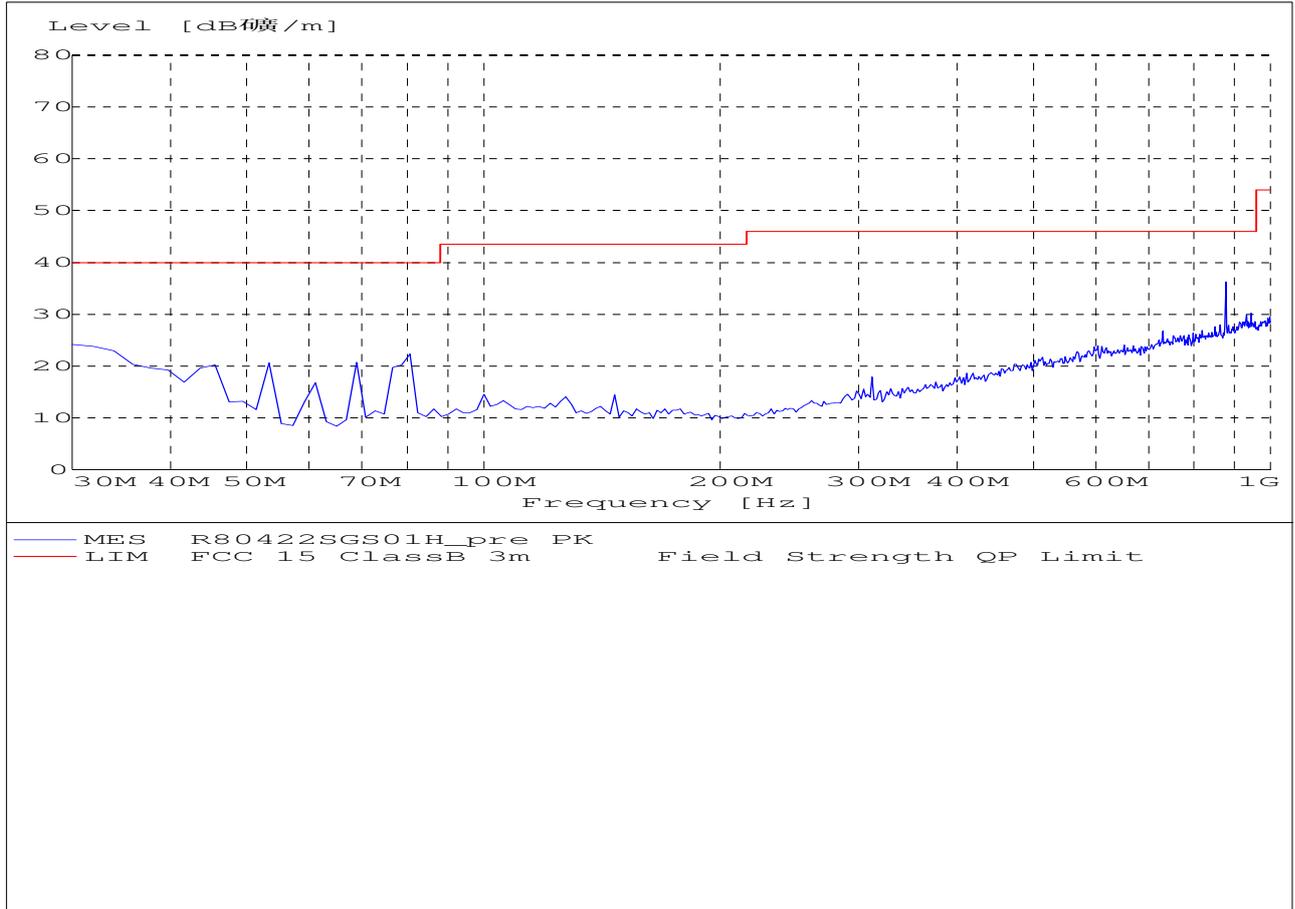
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Report No.: SHEMO080400011TL
Page 9 of 31

GSM 850 idle mode: (connected with T5001448AGAA power adapter of Tenpao)
Horizontal:



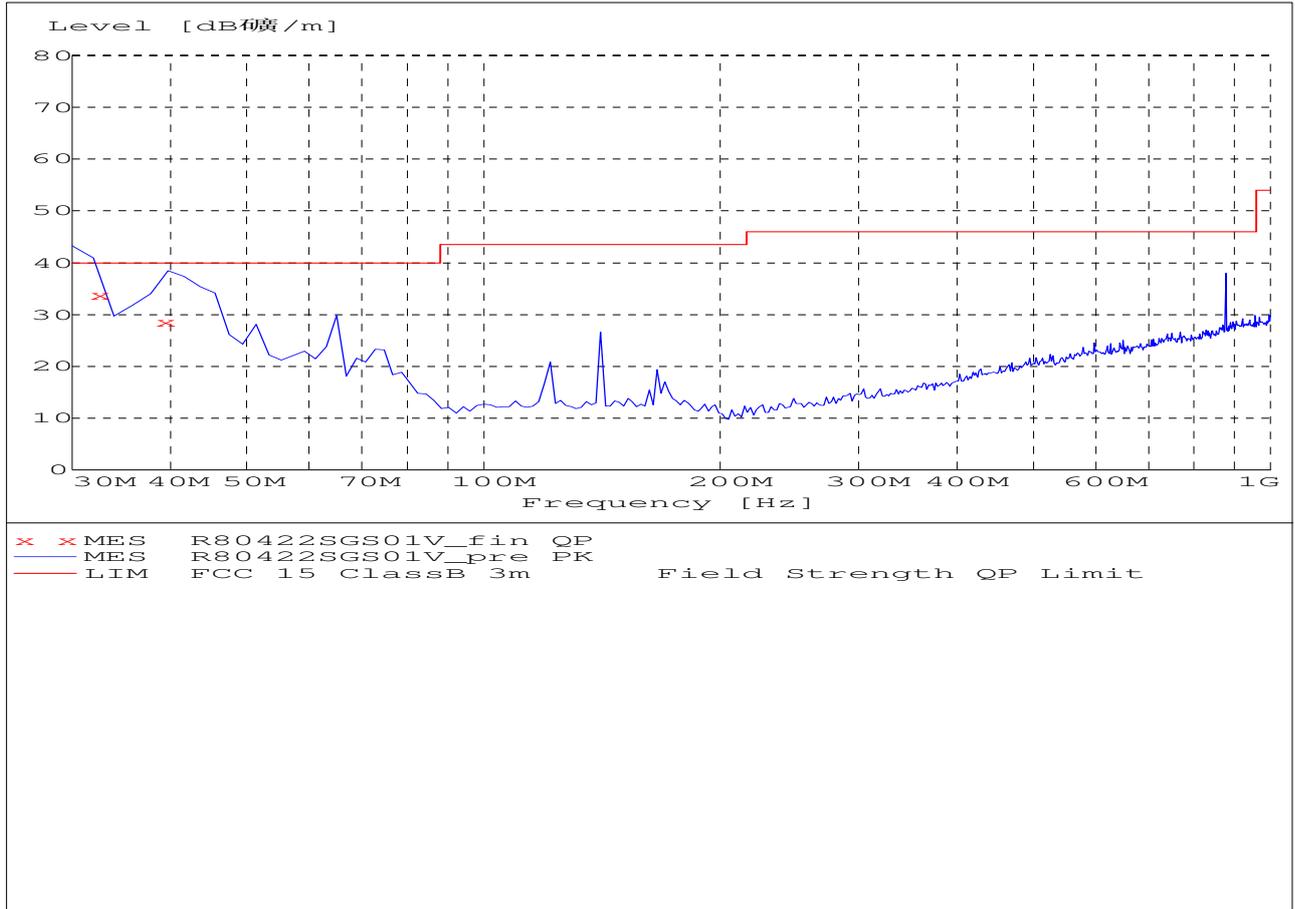
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Report No.: SHEMO080400011TL
Page 10 of 31

Vertical:



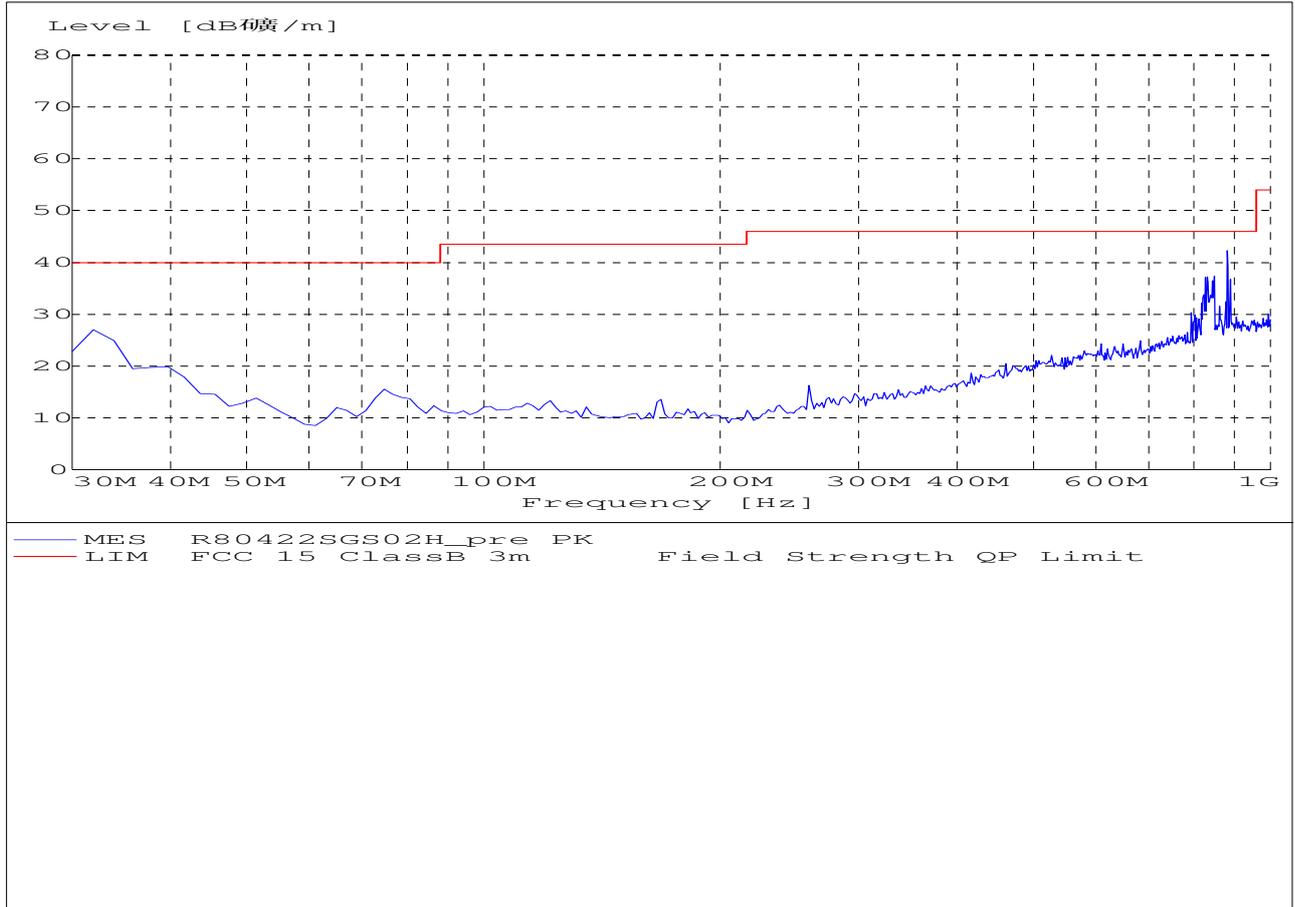
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Fax: +86 (0) 21 5450 0954
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Report No.: SHEMO080400011TL
Page 11 of 31

GSM 850 communication mode: (connected with T5001448AGAA power adapter of Tenpao)
Horizontal:



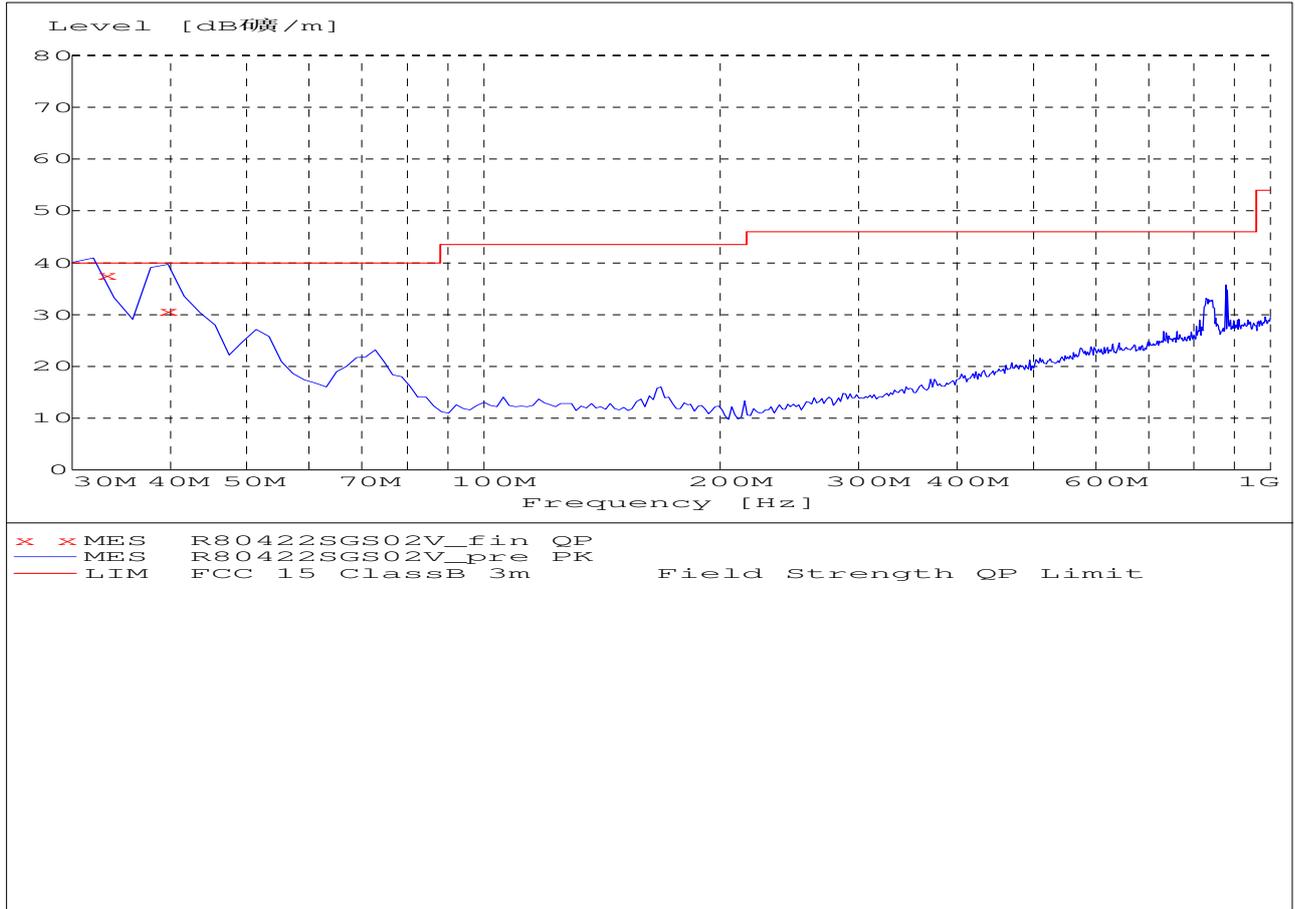
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Report No.: SHEMO080400011TL
Page 12 of 31

Vertical:



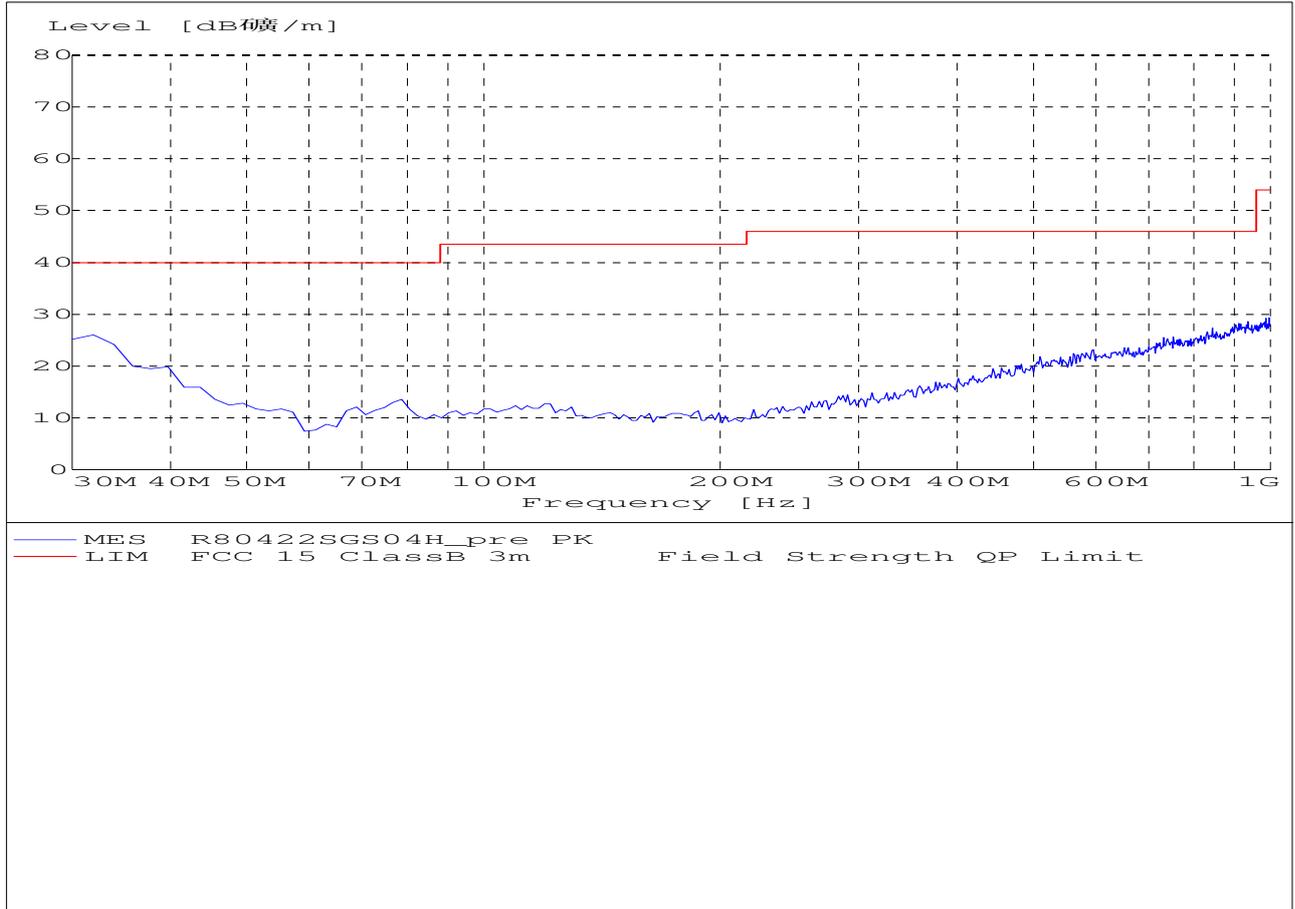
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Report No.: SHEMA080400011TL
Page 13 of 31

PCS 1900 idle mode:
Horizontal:



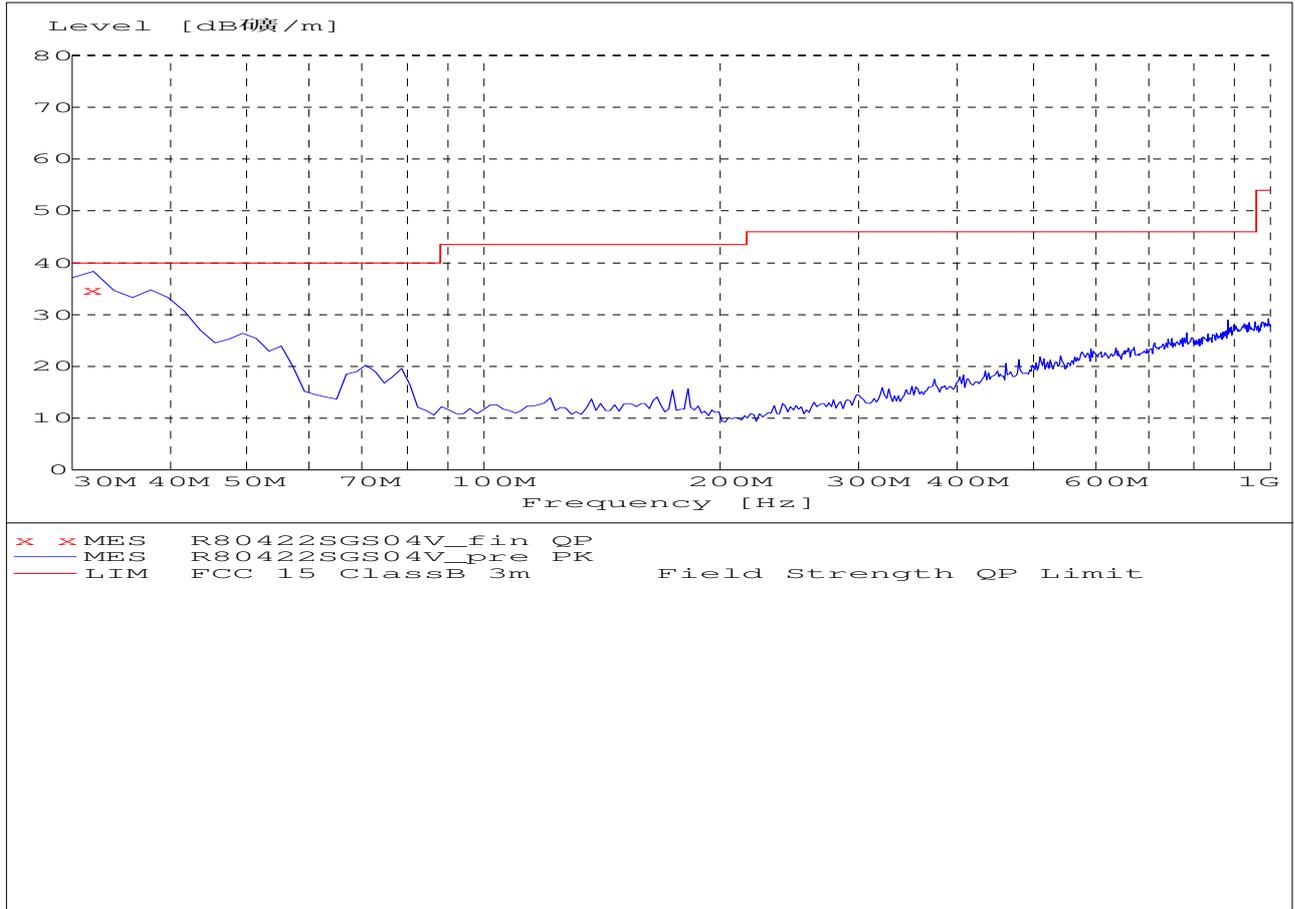
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Report No.: SHEMO080400011TL
Page 14 of 31

Vertical:



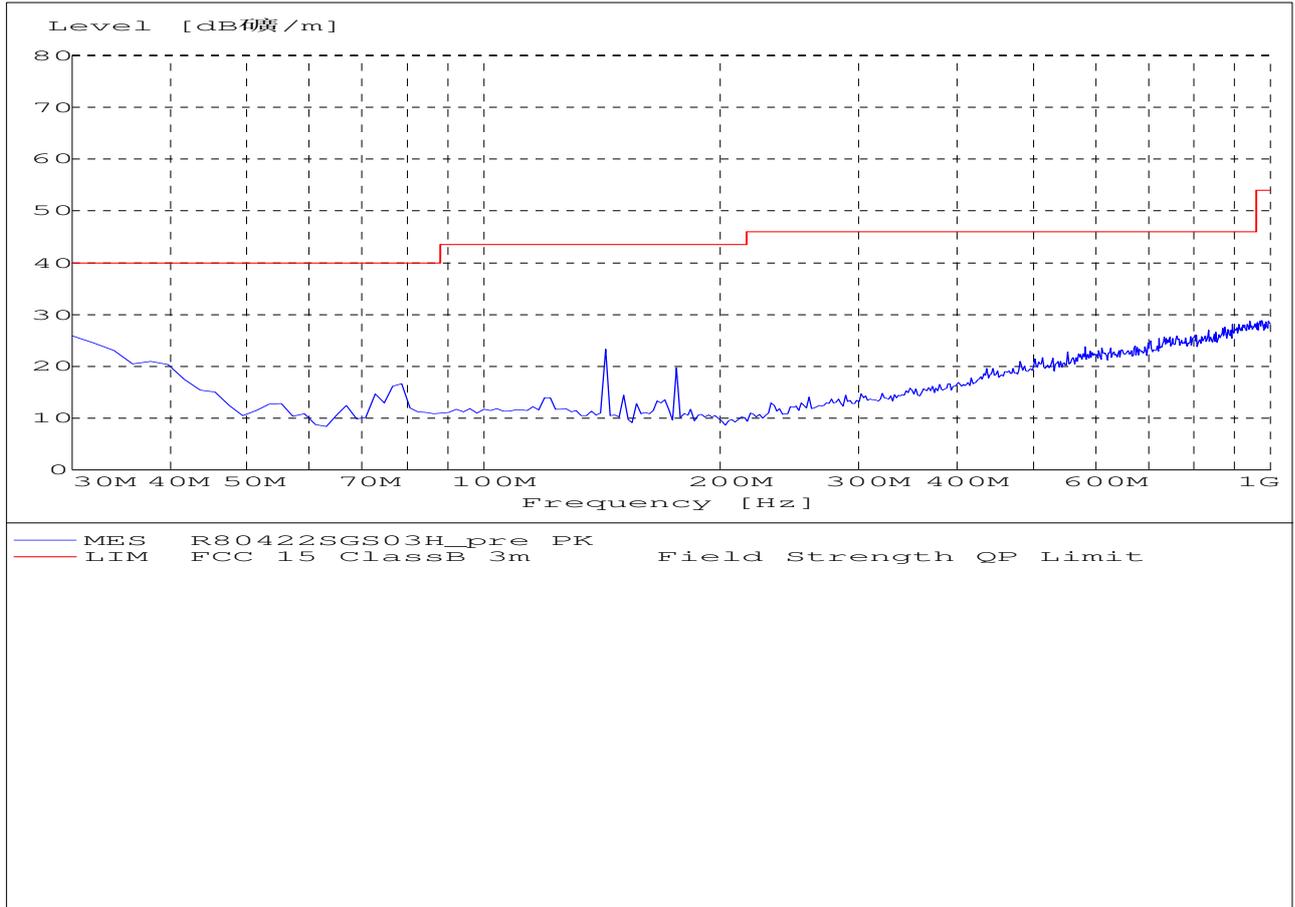
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Report No.: SHEMO080400011TL
Page 15 of 31

PCS 1900 communication mode:



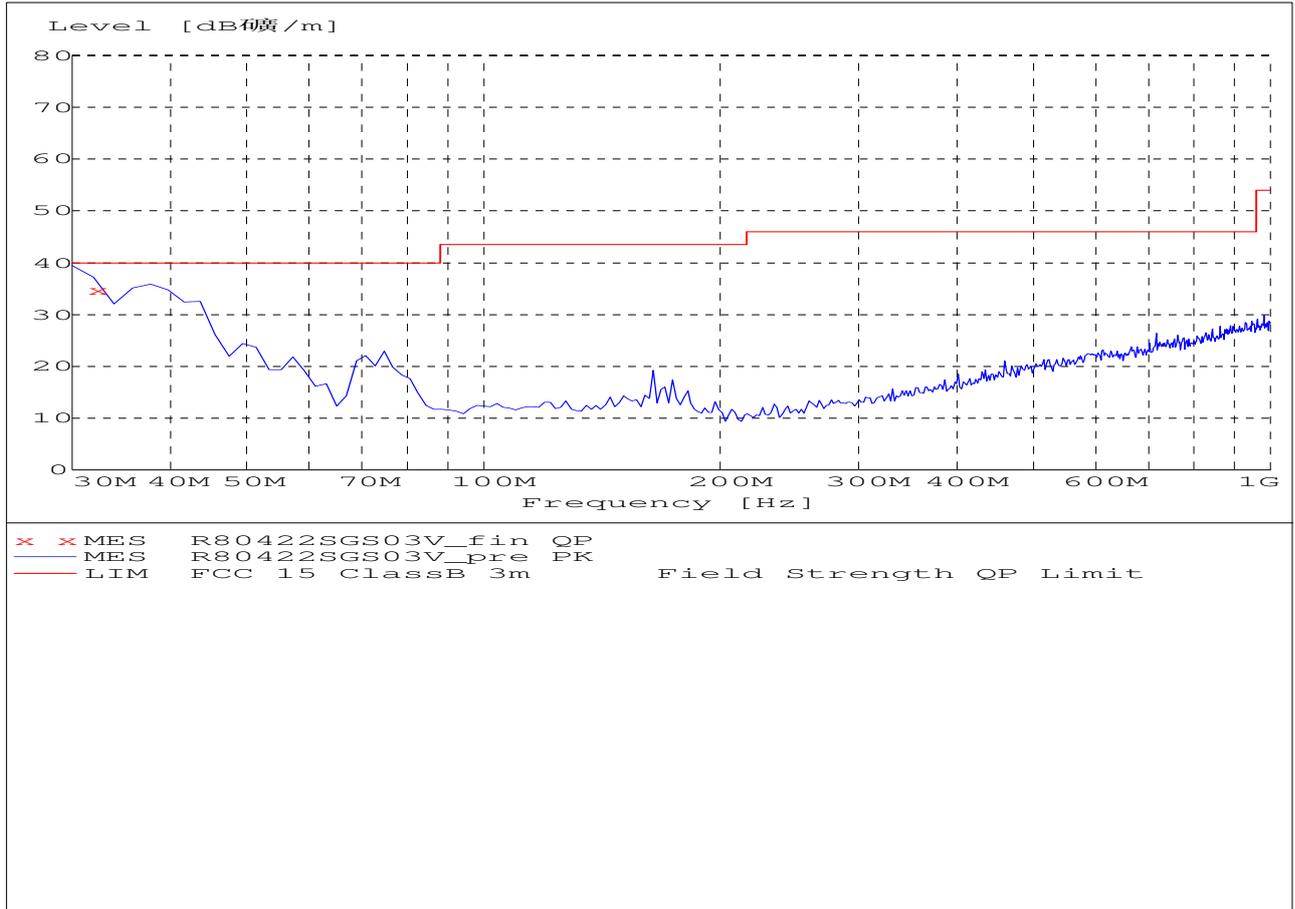
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Report No.: SHEMO080400011TL
Page 16 of 31

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Report No.: SHEMO080400011TL
Page 17 of 31

6.2 Conducted Emissions, 150kHz to 30MHz

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

6.2.1 E.U.T. Operation

Operating Environment:

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

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

6.2.2 Test Result and Partial Measurement Data

Pass

An initial pre-scan was performed in the Shielding room using the receiver in peak detection mode. The EUT was measured for 2 orthogonal polarities and peak emissions from the EUT were detected within 6dB of the class B limit line.

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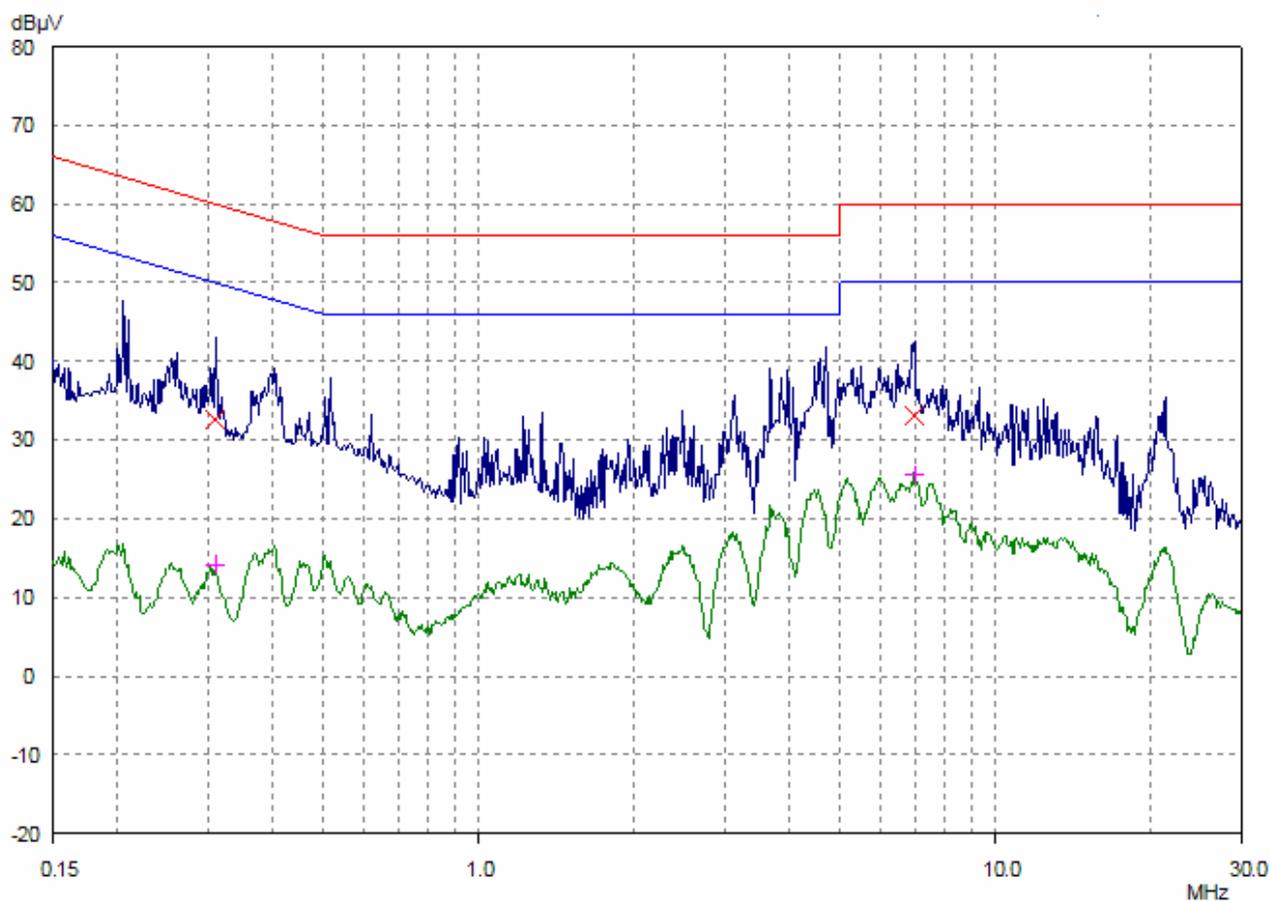
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Report No.: SHEMA080400011TL
Page 18 of 31

GSM 850 idle mode:

L Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.30974	32.57	59.98	27.41
6.98341	33.06	60.00	26.94

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.30974	14.15	49.98	35.83
6.98341	25.57	50.00	24.43

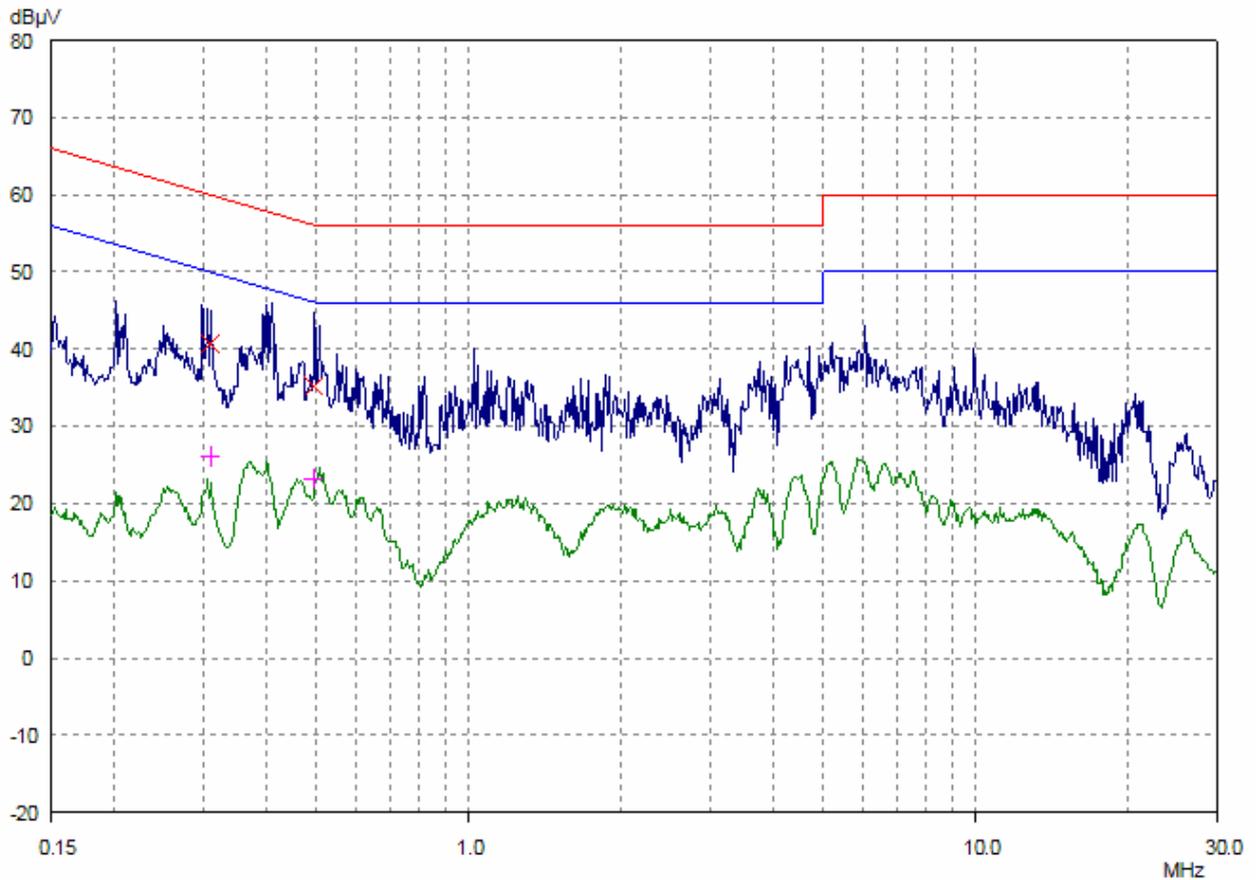
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Report No.: SHEMO080400011TL
Page 19 of 31

N Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.30974	40.69	59.98	19.29
0.49564	35.22	56.07	20.85

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.30974	25.99	49.98	23.99
0.49564	23.17	46.07	22.90

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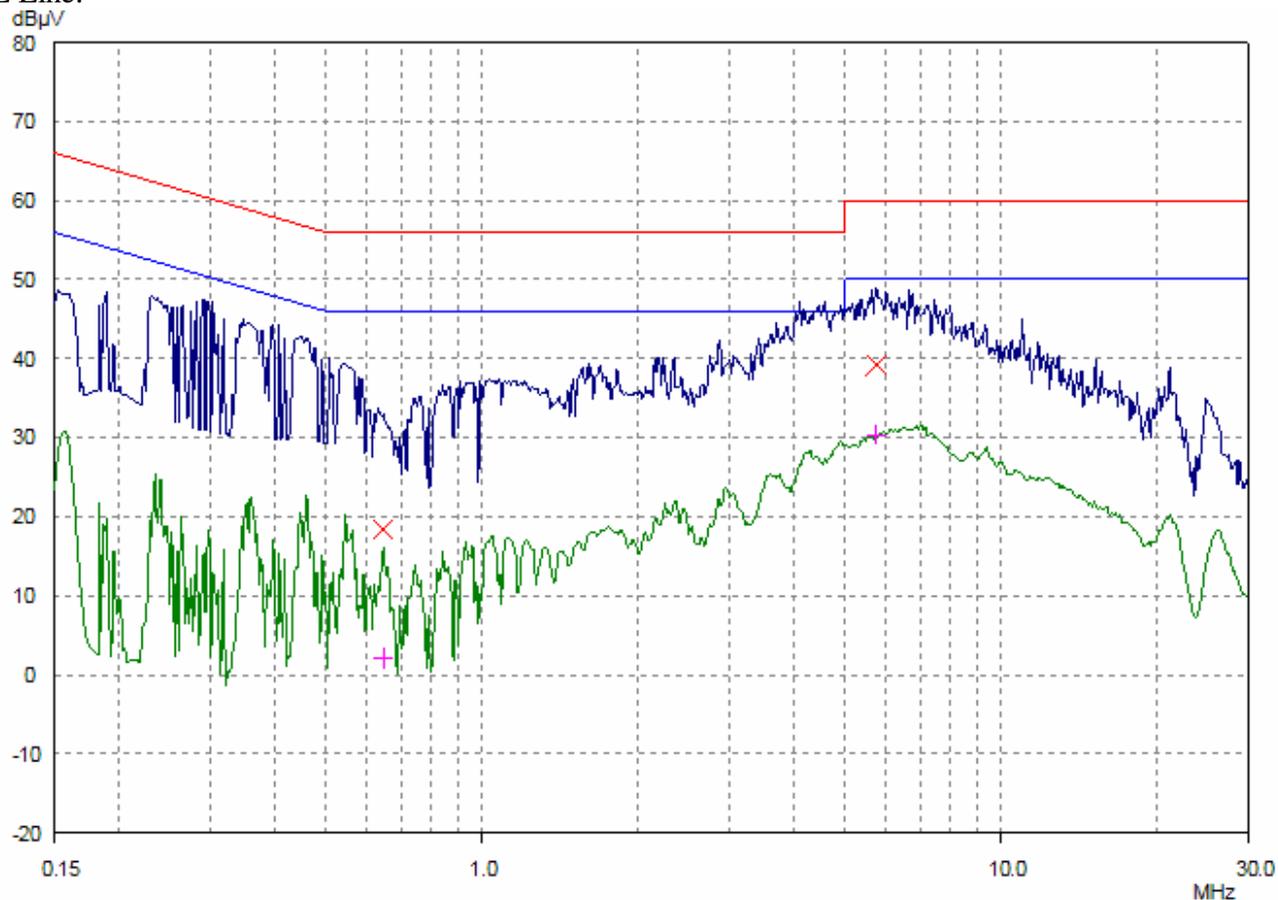
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Report No.: SHEMA080400011TL
Page 20 of 31

GSM 850 communication mode:

L Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.64471	18.40	56.00	37.60
5.76786	39.10	60.00	20.90

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.64471	2.01	46.00	43.99
5.76786	30.33	50.00	19.67

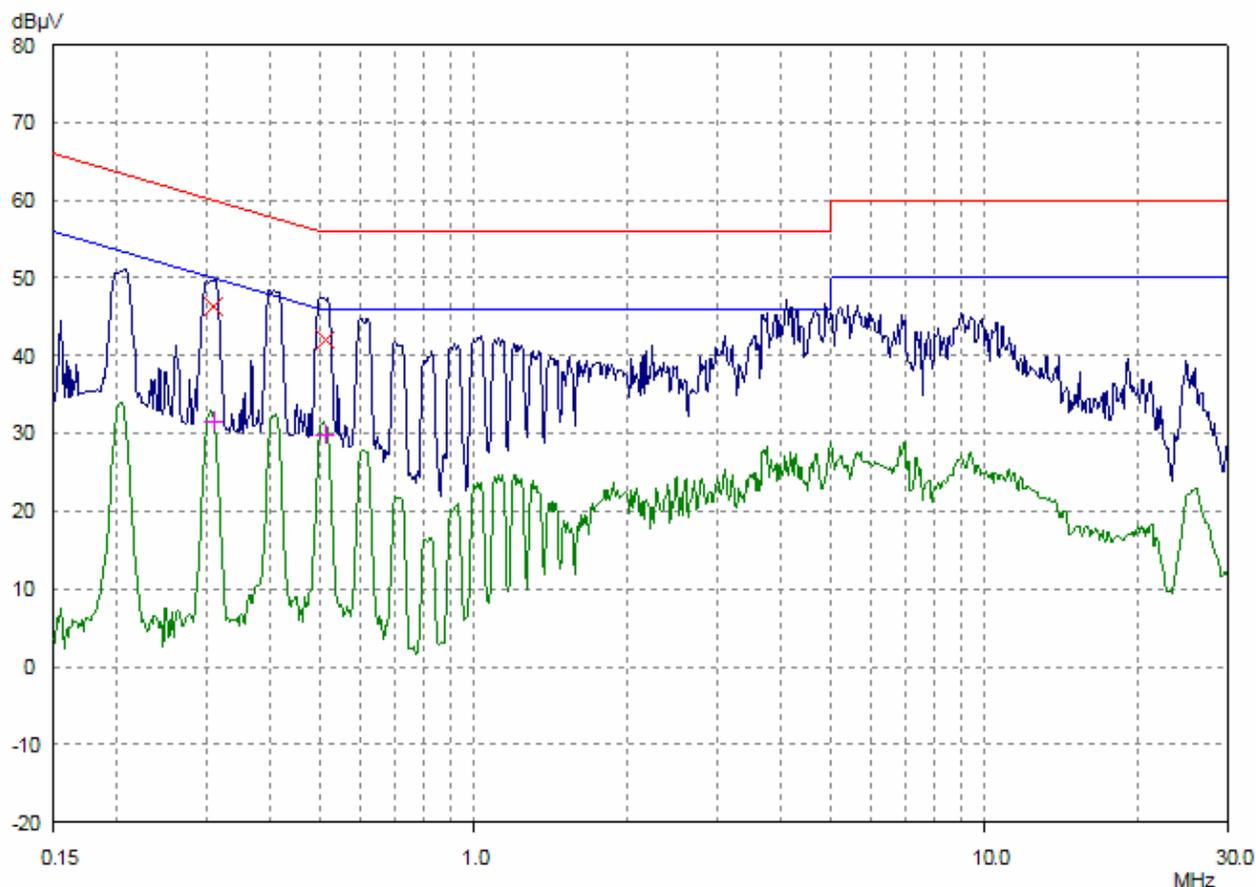
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Report No.: SHEMO080400011TL
Page 21 of 31

N Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.30974	46.30	59.98	13.68
0.51169	41.98	56.00	14.02

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.30974	31.56	49.98	18.42
0.51169	29.74	46.00	16.26

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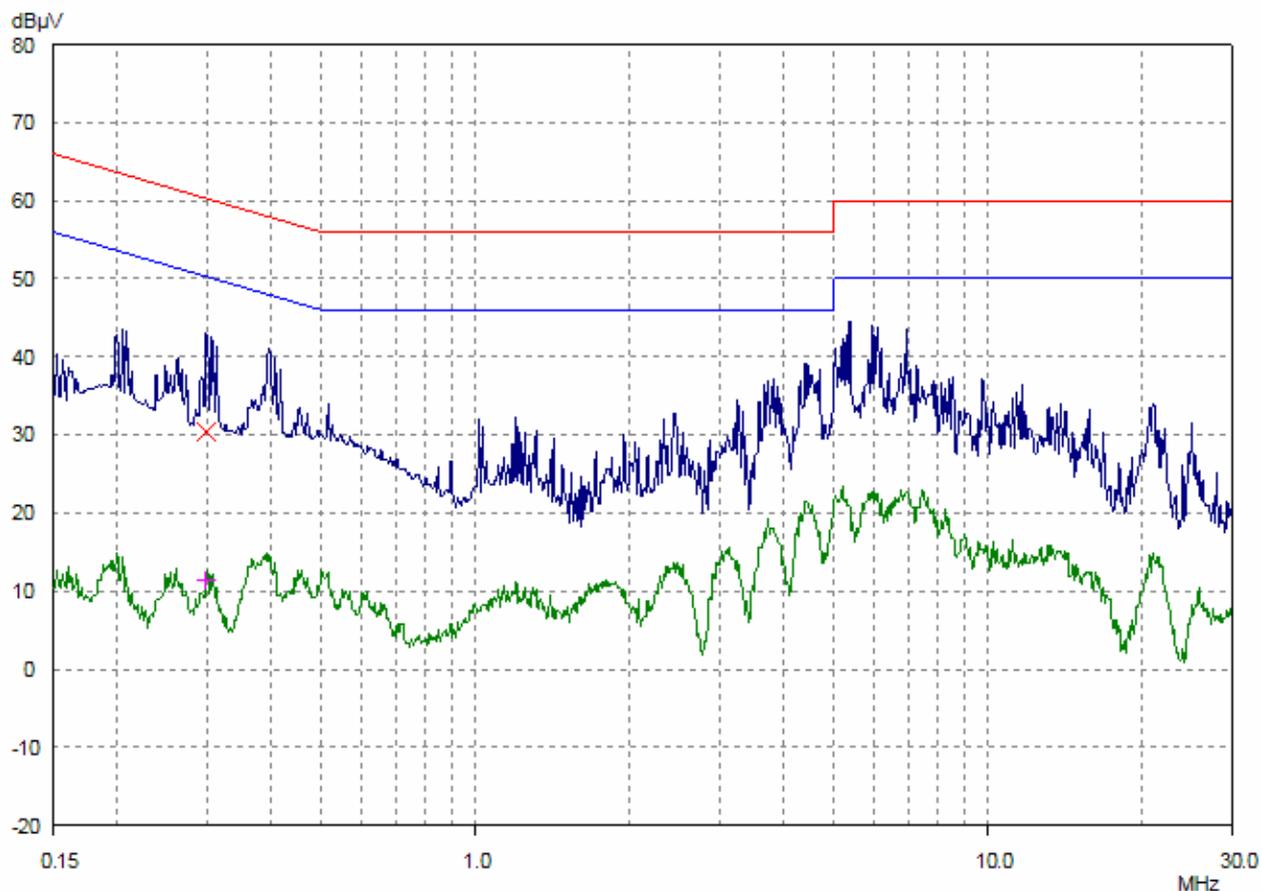
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Report No.: SHEMA080400011TL
Page 22 of 31

PCS 1900 idle mode:

L Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.29764	30.41	60.31	29.90

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.29764	11.35	50.31	38.96

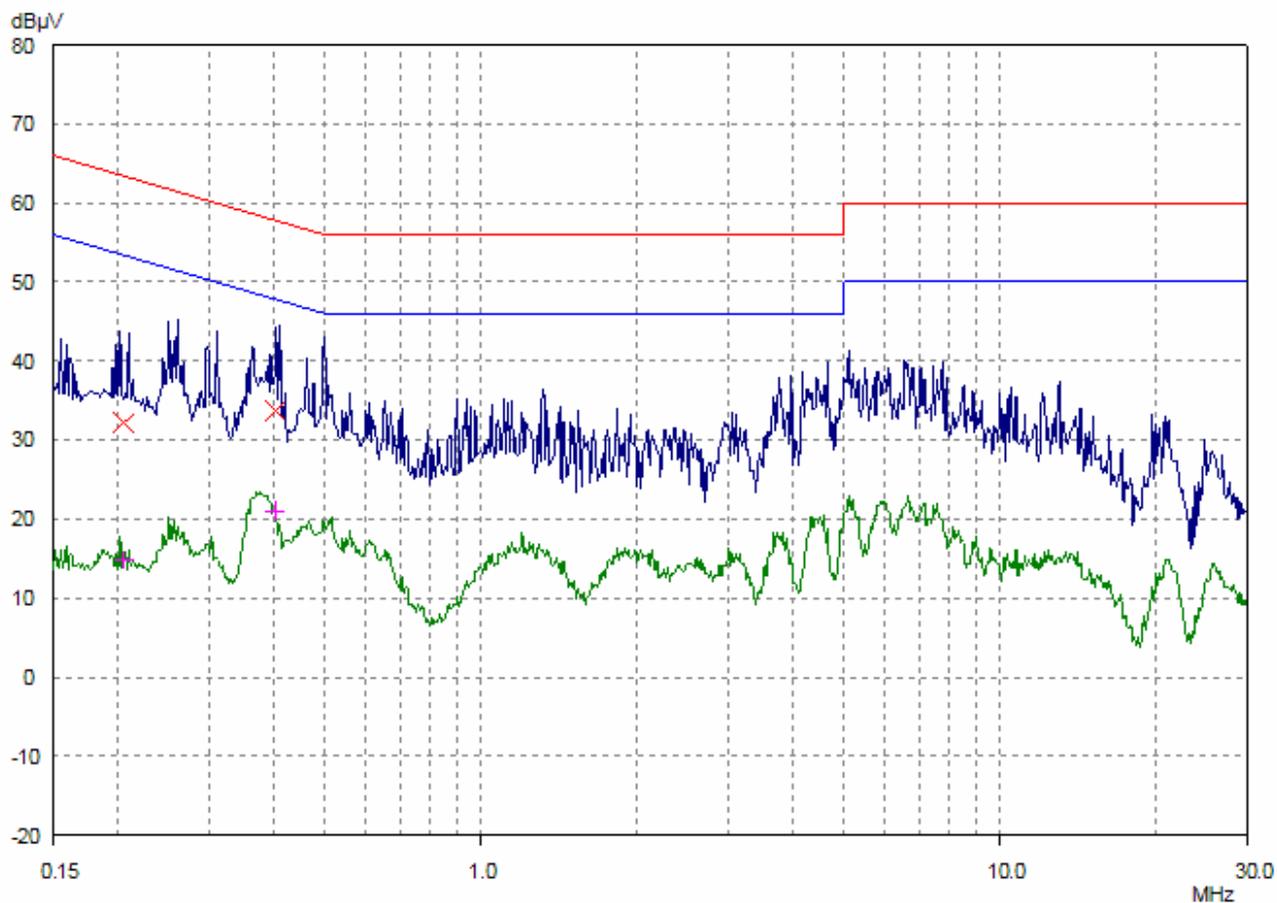
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Report No.: SHEMA080400011TL
Page 23 of 31

N Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.20466	32.16	63.42	31.26
0.40289	33.73	57.79	24.06

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.20466	14.72	53.42	38.70
0.40289	20.97	47.79	26.82

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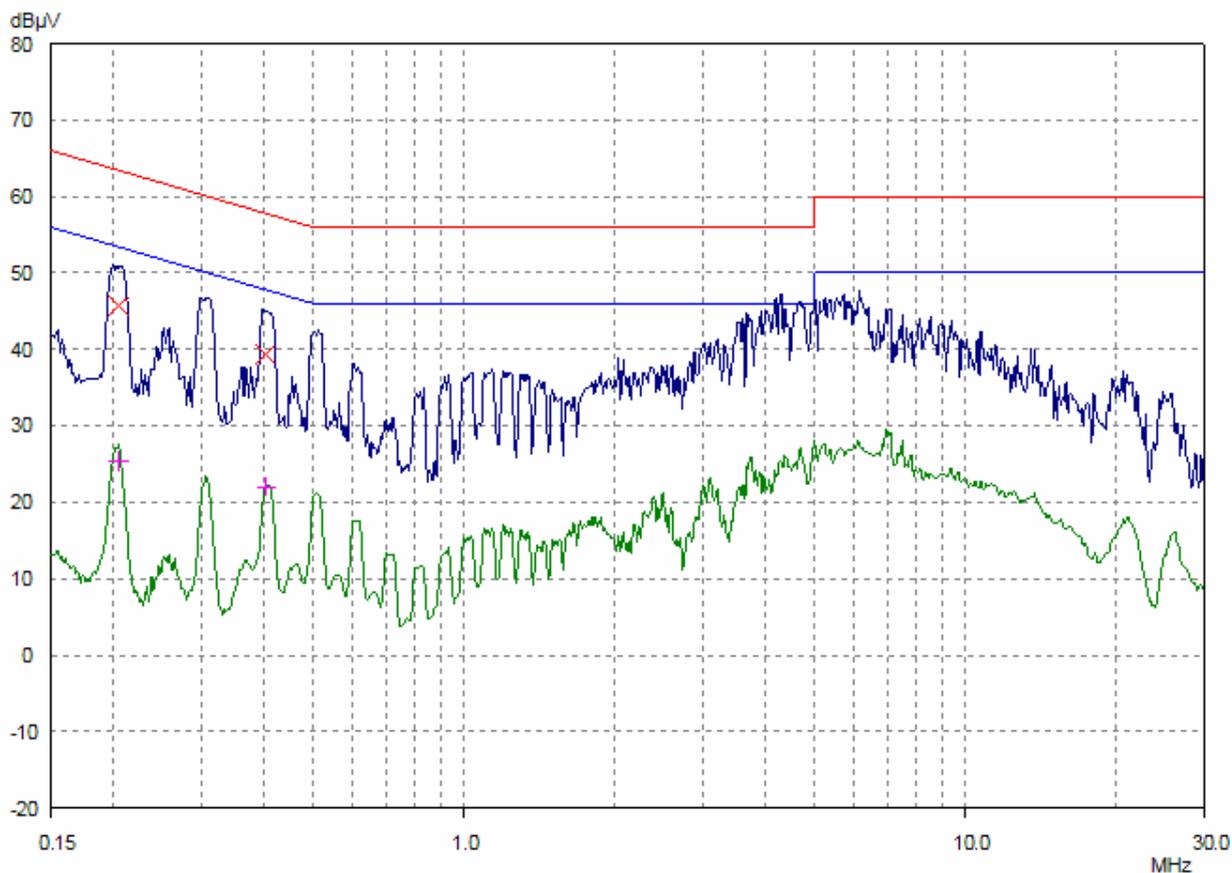
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Report No.: SHEMA080400011TL
Page 24 of 31

PCS 1900 communication mode:

L Line



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.20466	45.66	63.42	17.76
0.40289	39.39	57.79	18.40

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.20466	25.30	53.42	28.12
0.40289	22.00	47.79	25.79

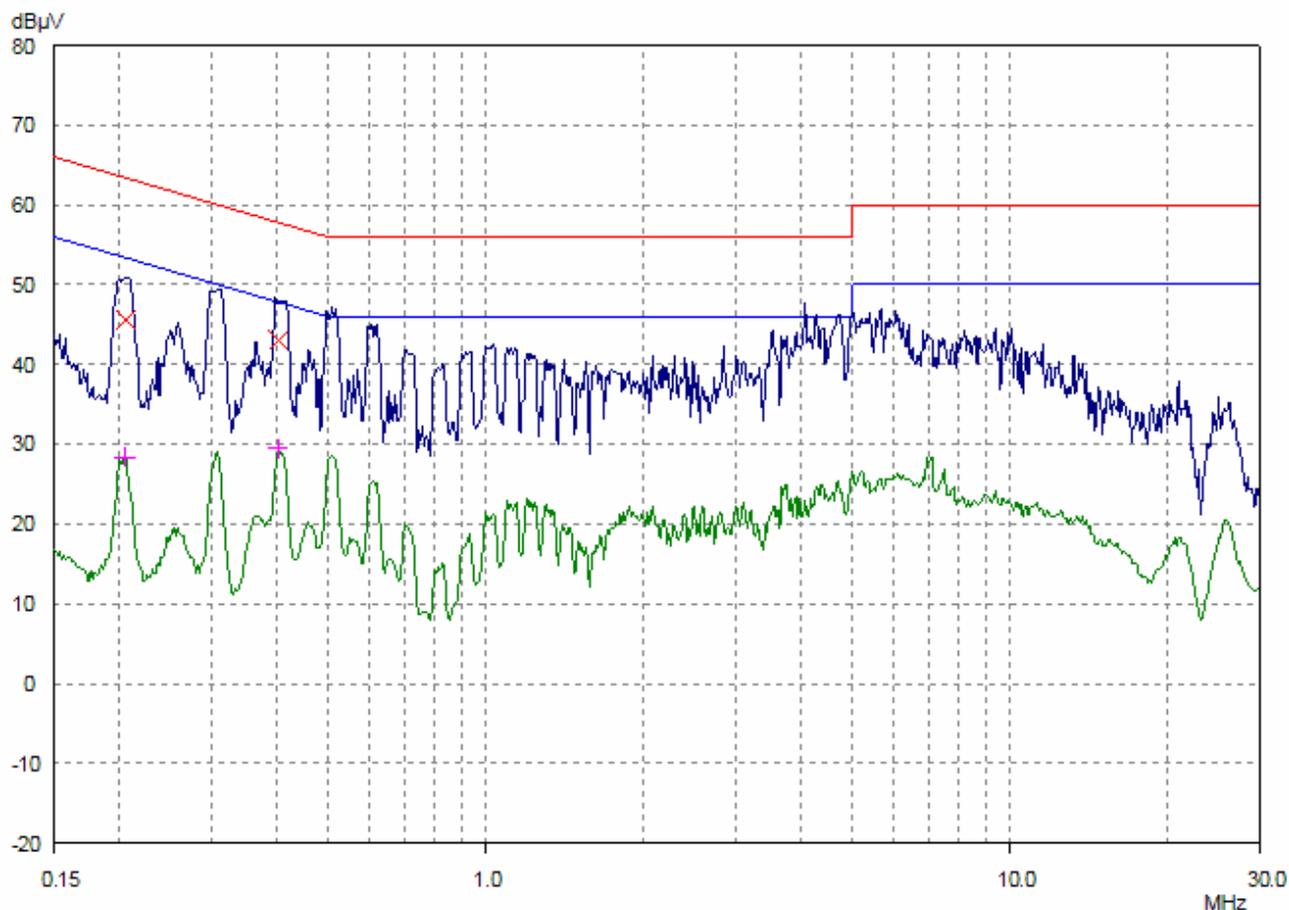
SGS-CSTC Standards Technical Services Co., Ltd.

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

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

Report No.: SHEMA080400011TL
Page 25 of 31

N Line:



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.20466	45.56	63.42	17.86
0.40289	43.09	57.79	14.70

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.20466	28.31	53.42	25.11
0.40289	29.43	47.79	18.36

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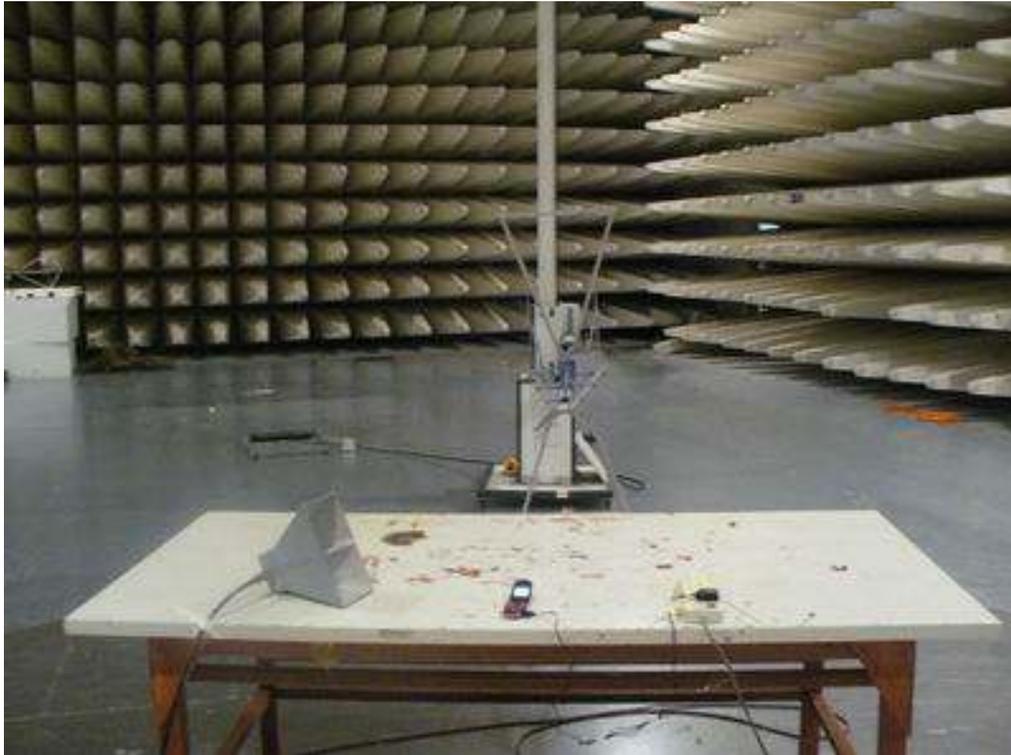
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Yishan Road, Xuhui District, Shanghai, China

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

Report No.: SHEMA080400011TL
Page 26 of 31

7 EQUIPMENT UNDER TEST PICTURES

7.1.1 Radiated Emission Test Setup



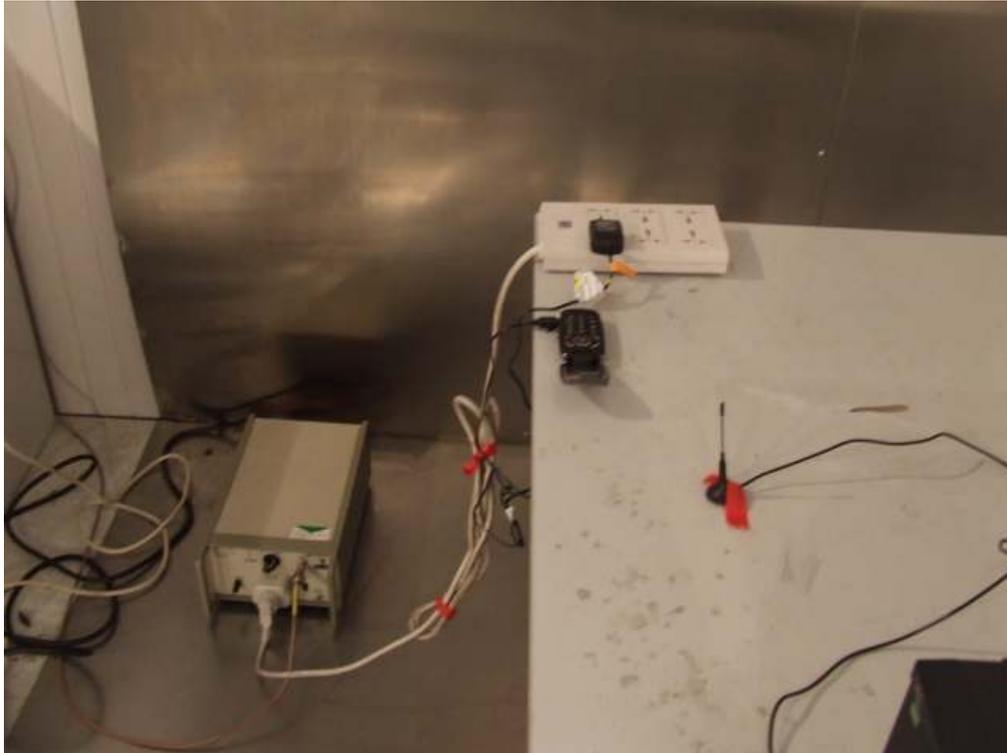
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1/F, 4/F, 5/F, 6/F, 7/F, 8/F 9/F, 10/F, the 3rd Building No. 889,
Yishan Road, Xuhui District, Shanghai, China

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

Report No.: SHEMA080400011TL
Page 27 of 31

7.1.2 Conductet Emission Test Setup



SGS-CSTC Standards Technical Services Co., Ltd.

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

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

Report No.: SHEMA080400011TL
Page 28 of 31

7.1.3 EUT Constructional Details



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Technical Services Co., Ltd.**

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

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

Report No.: SHEMA080400011TL
Page 29 of 31



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

Telephone: +86 (0) 21 6140 2666

Fax: +86 (0) 21 5450 0954

Tino.Pan@sgs.com

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Page 30 of 31



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Technical Services Co., Ltd.**

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

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

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Page 31 of 31



THE END OF REPORT