SGS-CSTC Standards Technical Services(Shanghai) Co., Ltd.

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EMC TEST REPORT

Application No.: SHEMO10010003906

Applicant: Sagem Wireless

Address: 2, rue du Petit Albi
BP 28250
95801 CERGY PONTOISE Cedex

Equipment Under Test (EUT):

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

Product Name: P-Phone

Model Name: P-Phone

Brand Name: PUMA

Standards: FCC PART 15B

Date of Receipt: Jan 15, 2010

Date of Test: Apr 1, 2010

Date of Issue: Apr 2, 2010

Test Result :	**PASS***

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

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

Bruce Zhan
E&E Project Engineer
SGS-CSTC(Shanghai) Co., Ltd

2 Test Summary

Test	Test Requirement	Test Method	Class / Severity	Result
Radiated Emission 30MHz-1000MHz	CFR 47 Part 15.109	ANSI C63.4: 2003	Class B	PASS
Conducted Emission 150KHz-30MHz	CFR 47 Part 15.107	ANSI C63.4: 2003	Class B	PASS

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4 General Information

4.1 Client Information

Applicant:	Sagem Wireless
Address of Applicant:	2, rue du Petit Albi BP 28250 95801 CERGY PONTOISE Cedex

4.2 Details of E.U.T.

Product Name:	P-Phone
Model Name:	P-Phone
Brand Name:	PUMA
Product General Description:	GSM Mobile Phone
Support Frequency Band:	GSM 850/900/1800/1900, WCDMA Band I, Band VIII
Power Supply:	Adapter Information: Model: FS5GU Input: AC 100-240V, 50-60Hz, 75mA Output : DC 5V, 600mA Reference : 179136129
Headset:	Model: EMB-SGC901STRA Reference: 179136942(179136869)
USB data cable:	Model: KF-U4PM5PM-1200 Reference: 179134906
Battery:	Lishen ASG553443LA 880mAh, 3.7V, 3.2Wh Reference: 179134831(179134849)

4.3 Standards Applicable for Testing

The standards used were CFR 47 Part 15B, ANSI C63.4: 2003

Tests Carried Out

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

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

4.4 Description of Support Units

Item	Equipment	Manufacturer/Brand	Model No.	Serial No.
1	Notebook PC	IBM	T42	2374IMN
2	Mouse	IBM	MO28UOL	----

4.5 Test Location

All tests were performed at:
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
No.588 West Jindu Road, Songjiang District, Shanghai, China. 201612.
Tel: +86 21 6191 5666 Fax: +86 21 6191 5655

4.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS (No. CNAS L0599)

CNAS has accredited SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing. Date of expiry: 2011-07-29.

FCC – Registration No.: 402683

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered and fully described in a report filed with the Federal Communications Commission (FCC). The acceptance letter from the FCC is maintained in our files. Registration No.: 402683, Expiry Date: 2012-03-17.

Industry Canada (IC) – IC Assigned Code: 8617A

The 3m Semi-anechoic chamber of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 8617A. Expiry Date: 2011-09-29.

VCCI (Member No.: 3061)

The 3m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-3172 and C-3514 respectively. Date of Registration: 2009-11-30. Date of Expiry: 2012-03-17.

5 Equipment Used during Test

Conducted Emission

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due date
1	EMI test receiver	Rohde & Schwarz	ESCS30	100086	2009-6-4	2010-6-3
2	Line impedance stabilization network	SCHWARZBECK	NSLK8127	8127-490	2009-5-8	2010-5-7

Radiated Emission

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal.Due date
1	EMI test receiver	Rohde & Schwarz	ESU40	100109	2009-6-4	2010-6-3
2	ANTENNA	SCHWARZBECK	VULB9168	9168-313	2009-6-4	2010-6-3
3	ANTENNA	SCHWARZBECK	BBHA9120D	9120D-679	2009-6-4	2010-6-3
4	ANTENNA	SCHWARZBECK	BBHA9170	9170-373	2009-6-4	2010-6-3
5	TURNTABLE	INNCO	DS 2000S-1T	/	/	/

6 Emission Test Results

6.1 Radiated Emissions

Test Requirement:	CFR 47 Part 15.109
Test Method:	ANSI C63.4:2003
Test Date:	Apr 1,2010
Frequency Range:	30MHz to 1GHz
Measurement Distance:	3m
Detector:	Peak for pre-scan (120kHz resolution bandwidth)
Result:	**PASS**

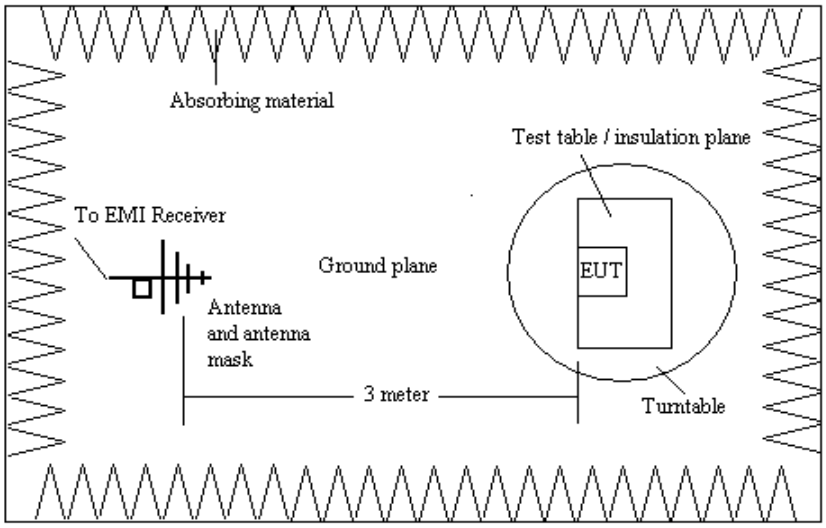
6.1.1 E.U.T. Operation

Operating Environment:

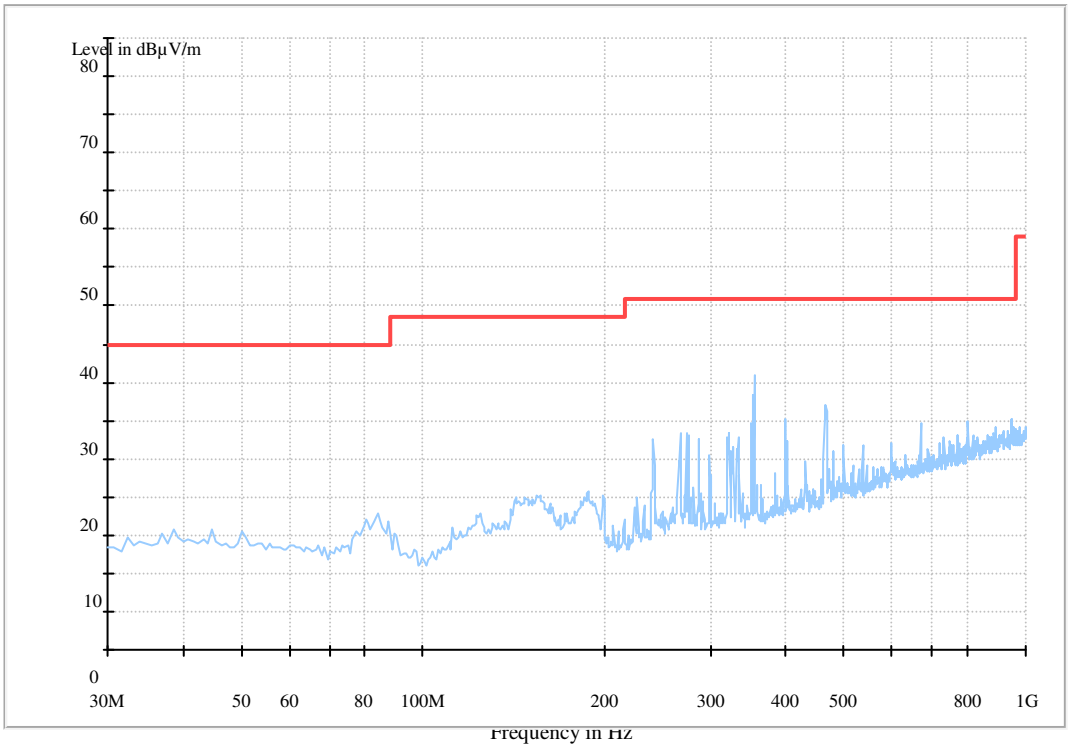
Temperature: 24 °C Humidity: 50 % RH Atmospheric Pressure: 1014 mbar

EUT Operation: Pre-test in USB mode,charge mode and earphone mode,compliance test was performed on worst case(USB mode).

6.1.2 Test setup:



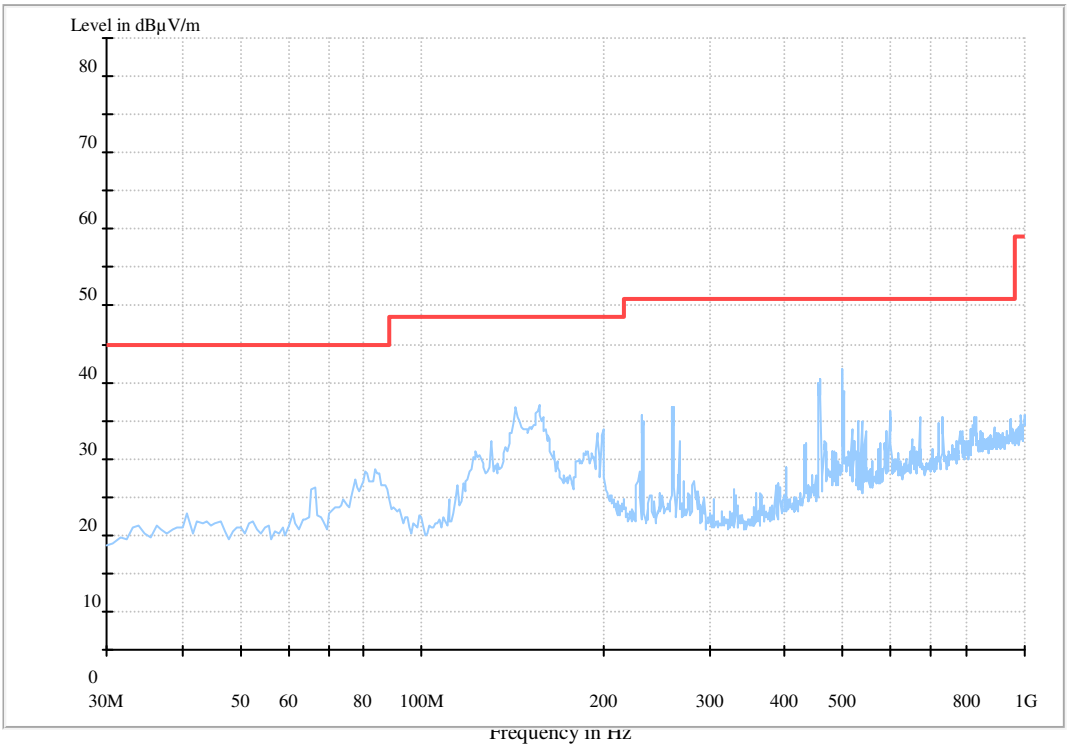
Horizontal:



Frequency (MHz)	Actual Lecel QP (dBuV/m)	Limit (dBuV/m)	Margin (dB)
30.00	*	40.0	*
100.00	*	43.5	*
200.00	*	43.5	*
355.81	29.4	46.0	16.7
466.18	28.7	46.0	17.3
800.00	*	46.0	*
1000.00	*	54.0	*

"*" means the emission level is 20dB lower than the relevant limit.

Vertical:



Frequency (MHz)	Actual Lecel QP (dBuV/m)	Limit (dBuV/m)	Margin (dB)
30.00	*	40.0	*
100.00	*	40.0	*
156.01	28.1	43.5	15.4
261.95	12.9	46.0	33.1
499.64	18.8	46.0	27.2
1000.00	*	54.0	*

"*" means the emission level is 20dB lower than the relevant limit.

6.2 Conducted Emissions

Test Requirement: CFR 47 part 15.107

Test Method: ANSI C63.4:2003

Test Date: Apr 1, 2010

Frequency Range: 150kHz to 30MHz

Limit:

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56 *	56 to 46 *
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

Result: **PASS**

6.2.1 E.U.T. Operation

Operating Environment:

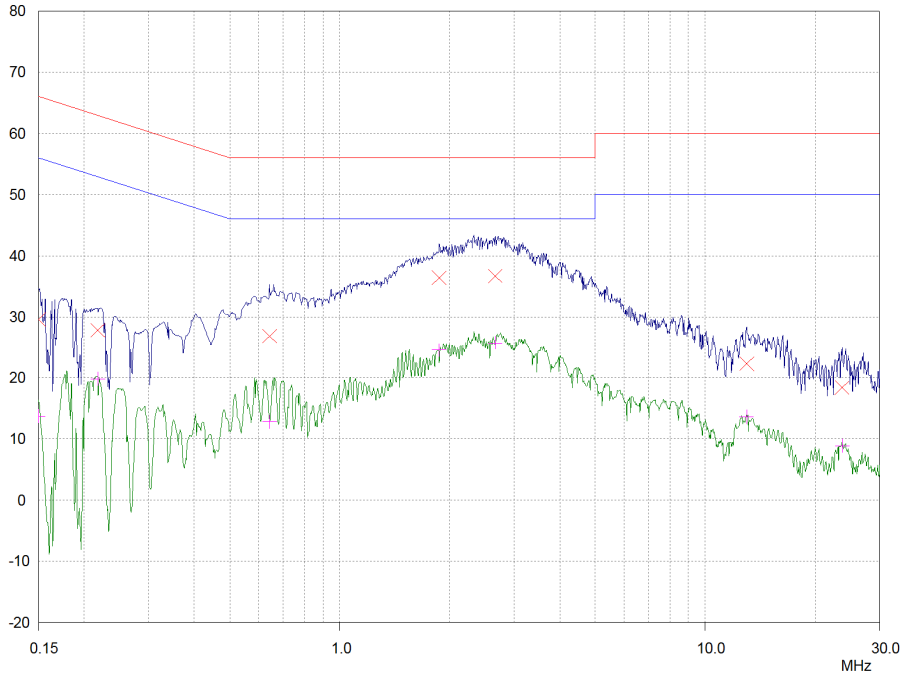
Temperature: 23.0°C Humidity: 55% RH Atmospheric Pressure: 1012 mbar

EUT Operation: Test in USB and charge mode.

6.2.2 Test Result and Measurement Data

L Line:

dBuV

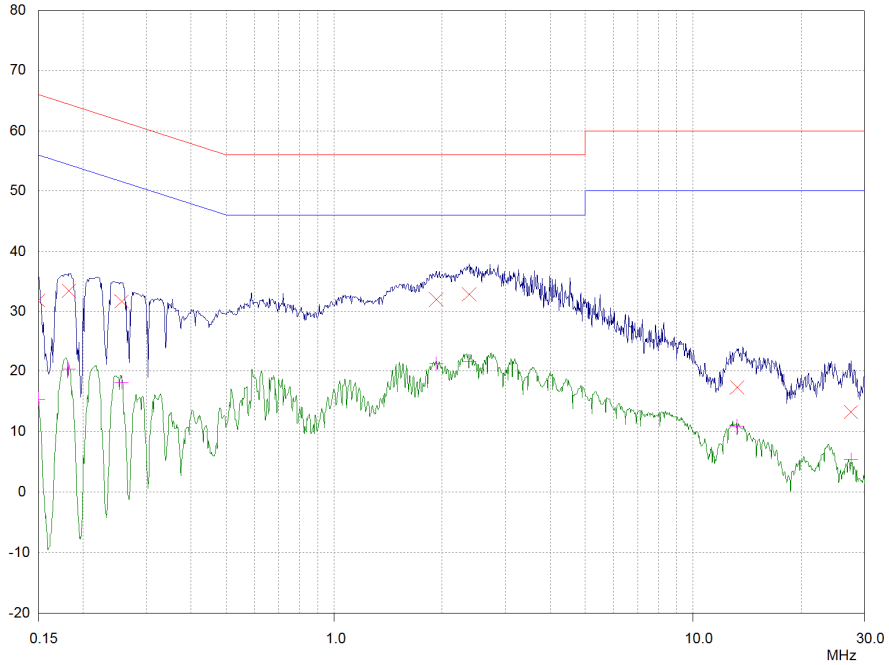


Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.15	29.56	66.00	36.44
0.21743	27.83	62.92	35.09
0.64144	26.88	56.00	29.12
1.86981	36.41	56.00	19.59
2.65683	36.69	56.00	19.31
12.96129	22.24	60.00	37.76
23.68313	18.32	60.00	41.68

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.15	13.66	56.00	42.34
0.21743	19.71	52.92	33.21
0.64144	12.74	46.00	33.26
1.86981	24.52	46.00	21.48
2.65683	25.75	46.00	20.25
12.96129	13.57	50.00	36.43
23.68313	8.88	50.00	41.12

N Line:

dBuV



Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.15	31.83	66.00	34.17
0.1824	33.44	64.38	30.94
0.25608	31.71	61.56	29.85
1.92279	32.01	56.00	23.99
2.37585	32.86	56.00	23.14
13.2226	17.30	60.00	42.70
27.45278	13.21	60.00	46.79

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.15	15.37	56.00	40.63
0.1824	20.25	54.38	34.13
0.25608	18.11	51.56	33.45
1.92279	21.22	46.00	24.78
2.37585	21.56	46.00	24.44
13.2226	10.93	50.00	39.07
27.45278	5.34	50.00	44.66