



TESTING
No. L0570



Recognised Test
Organisation

TEST REPORT

REPORT NUMBER: I13GC9551_RSE-E

ON

Type of Equipment: GSM/GPRS(850/900/1800/1900MHz) +BT
Wireless Data Module
Type of Designation: SIM800H
Manufacturer: Shenyang Simcom Technology Ltd.

ACCORDING TO:

3GPP TS 51.010-1 version 11.1.0

Month, date, year
Dec 2, 2013

Signature



He Guili
Director

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1 General Information

1.1 Notes

These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with 3GPP TS 51.010-1 version 11.1.0

The test results of this test report relate exclusively to the item(s) tested as specified in section 2.

The following deviation from, additions to, or exclusions from the test specifications have been made. See Annex B.

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1.2 Testers

Name: Wu Xudong
Position: Engineer
Department: Department of EMC test
Signature: 吴旭东

Editor of this test report:

Name: Zhang Xiaomei
Position: Engineer
Department: Department of EMC test
Date: 2013-12-02
Signature: 张小梅

Technical responsibility for area of testing:

Name: Zhang Xia
Position: Manager
Department: Department of EMC test
Date: 2013-12-02
Signature: 张夏

1.3 Testing Laboratory

1.3.1 Location

Name: China Telecommunication Technology Labs.
Address: 11 YUE TAN NAN JIE
BEIJING
P.R.CHINA
100045
Tel: +86 10 68094053
Fax: +86 10 68011404
Email: emc@chinattl.com

1.3.2 Details of accreditation status

Accredited by: DATech Deutsche Akkreditierungsstelle Technik in der
TGA GmbH (German Accreditation Body for Technology
in the TGA)
Lab number: DA7130
DAR Registration number: DAT-PL-162/04-01
Accredited by: CNAS (China National Accreditation Service for
Conformity Assessment)
Registration number: CNAS L0570
Standard: ISO/IEC 17025:2005

1.3.3 Test location, where different from section 1.3.1

Name: -----
Address: -----

1.4 Details of applicant or manufacturer

1.4.1 Applicant

Name: Shanghai SIMCom Wireless Solutions Co.,Ltd.
Address: Building A,SIM Technology Building,No.633,Jinzhong Road,Changning District,Shanghai P.R.China
Country: P.R. China
Telephone: +86-021-32523300
Fax: +86-021-32523020
Contact: Liweixing
Telephone: +86-021-32523300
Email: --

1.4.2 Manufacturer (if different from applicant in section 1.4.1)

Name: Shenyang Simcom Technology Ltd.
Address: No.37, Shenbei Rd, Shenbei New Aear, Shenyang,P.R.China

1.4.3 Manufactory (if different from applicant in section 1.4.1)

Name: -----
Address: -----

2 Test Item

2.1 General info.:

Manufacturer: Shenyang Simcom Technology Ltd.
 Name: GSM/GPRS(850/900/1800/1900MHz)+BT Wireless Data Module
 Model Number: SIM800H
 Production Status: Product
 Receipt date of test item: 2013-08-23

2.2 Outline of E.U.T.:

The EUT is a GSM/GPRS(850/900/1800/1900MHz)+BT Wireless Data Module supporting GSM/GPRS/EGPRS 900/1800/850/1900 bands, just test GSM 900/1800 band.

2.3 Modifications Incorporated in E.U.T.:

The E.U.T. has not been modified from what is described by the brand name and unique type identification stated above.

2.4 Equipment Configuration:

Equipment configuration list:

Item	Generic Description	Manufacturer	Type	Serial No.	Remarks
A	Module	Shenyang Simcom Technology Ltd.	SIM800H	--	None

Cables:

Item	Cable Type	Manufacturer	Length	Shield	Quantity	Remarks
--	--	--	--	--	--	--

2.5 Other Information:

HW Version: V1.02

SW Version: SIM800 R13.08

2.6 E.U.T Photographs:



Face



Back

3 Summary of Test

3.1 Test Results

General: All measurements are traceable to national standards.
Standard: 3GPP TS 51.010-1 version 11.1.0

Test Voltage: --

Abstract: --

Test Item	Basic Standard	Application	Results
Radiated Spurious emission	3GPP TS 51.010-1 version 11.1.0	Enclosure	Complies
Note: NA=Not Applicable			

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3.2 Test Manner

Test Item	Test setup and operating modes
1) Radiated Spurious emission	Mode 1: GSM900 traffic mode Mode 2: GSM 1800 traffic mode Mode 3: GSM 900 idle mode Mode 4: GSM 1800 idle mode
Remark: --	

Test equipment Used:						
Asset Number	Description	Manufacturer	Model Number	Serial Number	Cal Due	State
7805	EMI Test Receiver	R/S	ESIB26	100211	2014-03-03	Normal
7330	Ultra Broadband Antenna	R/S	VULB 9160	vulb9160-3252	2016-11-24	Normal
7330	Double-Ridged Horn Antenna	R/S	HF906	100038	2016-01-14	Normal
713	Fully-Anechoic Chamber	ETS	11.8m×6.5m×6.3m	--	2014-10-17	Normal
7330-2	Radio Communications Analyzer	Anritsu	MT8820B	6200772659	2014-01-26	Normal

4 Test Results

4.1 Radiated Spurious Emissions (Enclosure)

Specifications: 3GPP TS 51.010-1 version 11.1.0

Date of tests: 2013-09-27

Test conditions: Ambient Temperature: 15°C-35°C
Relative Humidity: 30%-60%

Method of measurement: 3GPP TS 51.010-1 version 11.1.0

Limits for radiated Spurious emissions :

Frequency range	Maximum level	
	GSM850/900 PCS1900	DCS1800
30MHz to 1000MHz	-36dBm	-36dBm
1GHz to 4GHz	-30dBm	--
1GHz to 1710MHz	-30dBm	-30dBm
1710MHz to 1785MHz	-30dBm	-36dBm
1785MHz to 4GHz	-30dBm	-30dBm

Test Results:

The E.U.T. complies.

Test data:

EUT Mode	Antenna Polarisation	EUT Position	Test data	Result
Mode 1	Vertical	Top	S62_VTT	Pass
	Horizontal	Top	S62_HTT	Pass
Mode 2	Vertical	Top	S7_VTT	Pass
	Horizontal	Top	S7_HTT	Pass
Mode 3	Vertical	Top	S62_VTI	Pass
	Horizontal	Top	S62_HTI	Pass
Mode 4	Vertical	Top	S7_VTI	Pass
	Horizontal	Top	S7_HTI	Pass

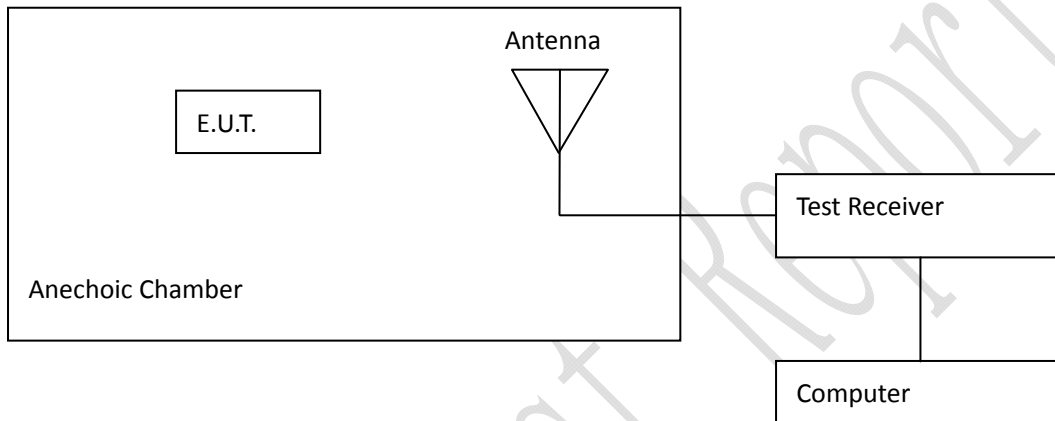
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ANNEX A Test Setup Diagrams

A.1 Radiated Spurious Emissions

Applicable to standard 3GPP TS 51.010-1 version 11.1.0

Test Configuration - Radiated Emission



ANNEX B Deviations from Prescribed Test Methods

No deviation from Prescribed Test Methods.

————— The End of this Report —————

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