



InterLab®

Final Report on

TYPE:SIM800

SW: SIM800 R13.08

HW: V2.01

**Report Reference:**

I13GC9550

**Date:**

January 27, 2014

**Test Laboratory:**

Telecommunication Technology Labs of The Research Institute of Telecommunications  
Transmission, MIIT.

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Note:

The following test results relate only to the devices specified in this document. This report shall not be reproduced in parts without the written approval of the test laboratory.

## 1 Administrative Data

### 1.1 Project Data

*Project Responsible:* Guo Qichao  
*Date Of Test Report:* 2014/01/27  
*Date of first test:* 2013/12/27  
*Date of last test:* 2014/01/03

### 1.2 Applicant Data

*Company Name:* Shanghai SIMCom Wireless Solutions Co.,Ltd.  
*Street:* Building A,SIM Technology Building,No.633,Jinzhong Road,Changning District,Shanghai R.R.China  
*City:* 200335  
*Contact Person:* Mrs. Wu feiping  
*Phone:* 86-021-32523300  
*Fax:* 86-021-32523020

### 1.3 Test Laboratory Data

The following list shows all places and laboratories involved for test result generation:

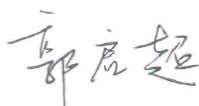
#### CTTL

*Company Name :* Telecommunication Technology Labs of The Research Institute of Telecommunications Transmission, MIIT.  
*Street :* Building B, No.52, Huayuan North Road, Haidian District  
*City :* Beijing  
*Country :* China  
*Contact Person :* Mr. He Guili

#### Laboratory Details

Lab ID	Identification	Accreditation Info
Lab 1	TP5 - R&S 8950G	CNAS
Lab 2	TP50 - Anite SAT(A) UE	CNAS

### 1.4 Signature of the Testing Responsible

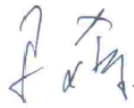


Guo Qichao  
responsible for tests performed in: Lab 1, Lab 2

## 1.5 Signature of the Accreditation Responsible



Review the test report  
responsible for Lab 1, Lab 2



Approved the test report

## 2 Test Object Data

### 2.1 General OUT Description

The following section lists all OUTs (Object's Under Test) involved during testing.

#### OUT: SIM800

Type / Model / Family:

TYPE:SIM800  
SW: SIM800 R13.08  
HW: V2.01

Product Category:

GSM/GPRS+BT Wireless Data Module

#### Manufacturer:

Company Name:

Shenyang Simcom Technology Ltd.

Street:

No.37, Shenbei Rd, Shenbei New Aear, Shenyang,P.R.China

Contact Person:

Mrs. Wu feiping

Phone:

86-024-88922222

## 2.2 Detailed Description of OUT Samples

### **Sample : S1-01**

<i>OUT Identifier</i>	SIM800		
<i>Sample Description</i>	TestSample:S1		
<i>HW Status</i>	V2.01		
<i>SW Status</i>	SIM800 R13.08		
<i>Low Voltage</i>	3.6 V	<i>Low Temp.</i>	-10 °C
<i>High Voltage</i>	4.2 V	<i>High Temp.</i>	55 °C
<i>Nominal Voltage</i>	3.8 V	<i>Normal Temp.</i>	25 °C

#### **Parameter List:**

<i>Parameter Description</i>	<i>Value</i>
<b>Parameter for Scope GERAN_v1</b>	
IMEI	862951020006921

### **Sample : S2-01**

<i>OUT Identifier</i>	SIM800		
<i>Sample Description</i>	TestSample:S2		
<i>HW Status</i>	V2.01		
<i>SW Status</i>	SIM800 R13.08		
<i>Low Voltage</i>	3.6 V	<i>Low Temp.</i>	-10 °C
<i>High Voltage</i>	4.2 V	<i>High Temp.</i>	55 °C
<i>Nominal Voltage</i>	3.8 V	<i>Normal Temp.</i>	25 °C

#### **Parameter List:**

<i>Parameter Description</i>	<i>Value</i>
<b>Parameter for Scope GERAN_v1</b>	
IMEI	862951020007804



## 2.3 OUT Features

### Features for OUT: SIM800

Designation	Description	Allowed Values	Supported Value(s)
<b>Features for scope: GERAN_v1</b>			
A	Feature "A" is used for "applicability" that is referenced in 51.010-2 for many test cases. You will find the description in Annex B of this specification.		
A.1/1_SAT K	Capability Configuration parameter		
A.1/2	Extended GSM Band (E-GSM), (including standard Band)		
A.1/2_SAT K	Sustained text		
A.1/3_SAT K	UCS2 coding scheme for Entry		
A.1/4	DCS 1800 band		
A.1/4_SAT K	Extended Text String		
A.1/5_SAT K	Help information		
A.1/6	Multiple-band, simultaneously		
A.1/6_SAT K	Icons		
A.1/7	Small Mobile Station		
A.1/10	GSM Power Class 4		
A.1/10_SA TK	Class C: LAUNCH BROWSER		
A.1/12	DCS Power Class 1		
A.1/15_SA TK	UCS2 coding scheme for Display		
A.1/16_SA TK	Mobile supporting GPRS		
A.1/18	PCS 1900 band		
A.1/19	PCS Power Class 1		
A.1/20_SA TK	Mobile decision to respond with "No response from user" in finite time		
A.1/23_SA TK	Mobile supporting Fixed Dialling Numbers		
A.1/24_SA TK	Mobile supporting Barred Dialling Numbers		
A.1/25_SA TK	Mobile supporting "+CIMI" in combination with Run AT Command		
A.1/26_SA TK	UCS2 in Cyrillic		
A.1/27_SA TK	Mobile supporting "9EXX" response code for SIM data download error		
A.1/28_SA TK	Mobile supporting Envelope Call Control always sent to the SIM during automatic redial mode		
A.1/29_SA TK	Mobile supporting 2nd alpha identifier in SET UP CALL		
A.1/38_SA TK	ME supports Call Hold Supplementary Service		
A.1/42_SA TK	Terminal supports at least one supplementary service.		
A.1/43_SA TK	Terminal supports "Call Forwarding Unconditional"		
A.1/44_SA TK	Terminal supports "Calling Line Identification Restriction"		
A.1/45_SA TK	Terminal supports display capability		


**Features for OUT: SIM800**

<i>Designation</i>	<i>Description</i>	<i>Allowed Values</i>	<i>Supported Value(s)</i>
A.1/46_SA TK	Terminal supports keypad		
A.1/47_SA TK	Terminal supports audio alerting		
A.1/48_SA TK	Terminal supports speech call		
A.1/49_SA TK	Terminal supports multiple languages		
A.1/50_SA TK	Terminal displays icons as defined in record 1 of EF(IMG) for Display Text command		
A.1/51	GPRS Multislot operation		
A.1/51_SA TK	Terminal displays icons as defined in record 2 of EF(IMG) for Display Text command		
A.1/52_SA TK	Terminal displays icons as defined in record 5 of EF(IMG) for Display Text command		
A.1/53_SA TK	Terminal displays icons as defined in record 1 of EF(IMG) for Get Inkey command		
A.1/54_SA TK	Terminal displays icons as defined in record 2 of EF(IMG) for Get Inkey command		
A.1/55	GSM 850 band		
A.1/55_SA TK	Terminal displays icons as defined in record 5 of EF(IMG) for Get Inkey command		
A.1/56_SA TK	Terminal displays icons as defined in record 1 of EF(IMG) for Get Input command		
A.1/57	Support of GPRS Multislot class on the uplink		
A.1/57_SA TK	Terminal displays icons as defined in record 2 of EF(IMG) for Get Input command		
A.1/58_SA TK	Terminal displays icons as defined in record 5 of EF(IMG) for Get Input command		
A.1/59_SA TK	Terminal displays icons as defined in record 1 of EF(IMG) for Play Tone command		
A.1/60_SA TK	Terminal displays icons as defined in record 2 of EF(IMG) for Play Tone command		
A.1/61_SA TK	Terminal displays icons as defined in record 5 of EF(IMG) for Play Tone command		
A.1/62_SA TK	Terminal displays icons as defined in record 1 of EF(IMG) for Set Up Menu command		
A.1/63_SA TK	Terminal displays icons as defined in record 2 of EF(IMG) for Set Up Menu command		
A.1/64_SA TK	Terminal displays icons as defined in record 5 of EF(IMG) for Set Up Menu command		
A.1/65_SA TK	Terminal displays icons as defined in record 1 of EF(IMG) for Select Item command		
A.1/66_SA TK	Terminal displays icons as defined in record 2 of EF(IMG) for Select Item command		
A.1/67_SA TK	Terminal displays icons as defined in record 5 of EF(IMG) for Select Item command		
A.1/68_SA TK	Terminal displays icons as defined in record 1 of EF(IMG) for Send Short Message command		
A.1/69_SA TK	Terminal displays icons as defined in record 2 of EF(IMG) for Send Short Message command		
A.1/70_SA TK	Terminal displays icons as defined in record 5 of EF(IMG) for Send Short Message command		
A.1/71_SA TK	Terminal displays icons as defined in record 1 of EF(IMG) for Send SS command		
A.1/72_SA TK	Terminal displays icons as defined in record 2 of EF(IMG) for Send SS command		
A.1/73_SA TK	Terminal displays icons as defined in record 5 of EF(IMG) for Send SS command		
A.1/74_SA TK	Terminal displays icons as defined in record 1 of EF(IMG) for Send USSD command		
A.1/75_SA TK	Terminal displays icons as defined in record 2 of EF(IMG) for Send USSD command		


**Features for OUT: SIM800**

<i>Designation</i>	<i>Description</i>	<i>Allowed Values</i>	<i>Supported Value(s)</i>
A.1/76_SA TK	Terminal displays icons as defined in record 5 of EF(IMG) for Send USSD command		
A.1/77_SA TK	Terminal displays icons as defined in record 1 of EF(IMG) for Set Up Call command		
A.1/78	GPRS Multislot Class12		
A.1/78_SA TK	Terminal displays icons as defined in record 2 of EF(IMG) for Set Up Call command		
A.1/79_SA TK	Terminal displays icons as defined in record 5 of EF(IMG) for Set Up Call command		
A.1/80_SA TK	Terminal displays icons as defined in record 1 of EF(IMG) for Set Up Idle Mode Text command		
A.1/81_SA TK	Terminal displays icons as defined in record 2 of EF(IMG) for Set Up Idle Mode Text command		
A.1/82_SA TK	Terminal displays icons as defined in record 5 of EF(IMG) for Set Up Idle Mode Text command		
A.1/86_SA TK	Terminal displays icons as defined in record 1 of EF(IMG) for Send DTMF command		
A.1/87_SA TK	Terminal displays icons as defined in record 2 of EF(IMG) for Send DTMF command		
A.1/88_SA TK	Terminal displays icons as defined in record 5 of EF(IMG) for Send DTMF command		
A.1/89_SA TK	Terminal displays icons as defined in record 1 of EF(IMG) for Launch Browser command		
A.1/90_SA TK	Terminal displays icons as defined in record 2 of EF(IMG) for Launch Browser command		
A.1/91_SA TK	Terminal displays icons as defined in record 5 of EF(IMG) for Launch Browser command		
A.1/92_SA TK	Terminal supports selection of default item in Select Item		
A.1/93_SA TK	Terminal supports SMS Cell Broadcast Data Download		
A.1/127	GSM 850 Power Class 4		
A.1/130	8-PSK GSM Power Class E2		
A.1/133	8-PSK DCS Power Class E2		
A.1/136	8-PSK PCS Power Class E2		
A.1/139	8-PSK GSM 850 Power Class E2		
A.1/141	GSM850 and GSM1800 Band Interworking		
A.1/142	GSM900 and GSM1900 Band Interworking		
A.1/143	GSM850 and GSM900 Band Interworking		
A.1/189	GMSK_MULTISLOT_POWER_PROFILE 0		
A.1/193	8-PSK_MULTISLOT_POWER_PROFILE 0		
A.1/202	Revision Level MS supporting R99 or later		
A.1b/1	Release of GPRS supported	R97, R98, R99, Release 4, Release 5, Release 6, Release 7, Release 8, Release 9, Release 10, Release 11	Release 6
A.1b/2	Release of AMR supported	R98, R99, Release 4, Release 5, Release 6, Release 7, Release 8, Release 9, Release 10, Release 11	Release 5
A.1b/3	Release of EGPRS supported	R99, Release 4, Release 5, Release 6, Release 7, Release 8, Release 9, Release 10, Release 11	Release 6
A.1b/5	Release of Higher Layer supported.	R97, R98, R99, Release 4, Release 5, Release 6, Release 7, Release 8, Release 9, Release 10, Release 11	R99

**Features for OUT: SIM800**

<i>Designation</i>	<i>Description</i>	<i>Allowed Values</i>	<i>Supported Value(s)</i>
A.2/1	Display of Called Number.		
A.2/2	Indication of Call Progress Signals.		
A.2/3	Country / PLMN Indication.		
A.2/4	Country / PLMN Selection.		
A.2/5	Keypad.		
A.2/6	IMEI.		
A.2/7	Short Message Overflow Indication.		
A.2/8	DTE /DCE Interface.		
A.2/10	International Access Function.		
A.2/11	Service Indicator.		
A.2/12	Autocalling restriction capabilities.		
A.2/13	Dual Tone Multi Frequency function.		
A.2/14	Subscription Identity Management.		
A.2/15	On / Off switch.		
A.2/17	Support of Encryption A5/1.		
A.2/19	Short Message Service Cell Broadcast DRX.		
A.2/20	Abbreviated Dialling.		
A.2/21	Fixed Dialling Number		
A.2/22	Barring of Outgoing Calls.		
A.2/23	DTMF Control Digits Separator.		
A.2/24	Selection of Directory No in Short Messages.		
A.2/25	Last Numbers Dialed.		
A.2/26	At least one autocalling feature.		
A.2/27	Alphanumeric display.		
A.2/28	Other means of display.		
A.2/30	Support of the extended Short message cell broadcast channel		
A.2/31	Support of Additional Call Set-up MMI Procedures		
A.2/33	Ciphering Indicator		
A.2/35	ME-SIM lock		
A.2/36	Service Dialling Numbers		
A.2/40	Autocalling_Cause 27 Implemented in Cat 3		
A.2/41	Support of GPRS		
A.2/43	Support of GPRS Encryption		
A.2/44	Control of Supplementary Services		
A.2/45	Short message		
A.2/46	Emergency calls capabilities		
A.2/48	GPRS operation mode class B		
A.2/50	MS supporting SMS over GPRS		
A.2/54	GPRS test mode A		
A.2/55	GPRS test mode B		
A.2/58	Non-zero value of Non_DRX_Timer		
A.2/67	Support of MT SMS over GPRS		
A.2/70	Support of Extended dynamic allocation		
A.2/72	Support of GERAN FEATURE PACKAGE 1		
A.2/73	Support of Encryption A5/3		
A.2/74	Support of Fine Time Assistance		
A.2/75	Support of Encryption GEA2		
A.2/76	Support of Encryption GEA3		
A.2/77	Use of R99 Emergency numbers		


**Features for OUT: SIM800**

<i>Designation</i>	<i>Description</i>	<i>Allowed Values</i>	<i>Supported Value(s)</i>
A.3/1	Telephony.		
A.3/2	Emergency Call.		
A.3/3	Short Message MT/PP.		
A.3/4	Short Message MO/PP.		
A.3/5	SMS Cell Broadcast.		
A.3/10	SMS description		
A.4/4	Data circuit duplex async. 2 400 bit/s.		
A.4/5	Data circuit duplex async. 4 800 bit/s.		
A.4/6	Data circuit duplex async. 9 600 bit/s.		
A.4/22	GPRS		
A.5/1	Calling Line Identification Presentation.		
A.5/2	Calling Line Identification Restriction.		
A.5/3	Connected Line Identification Presentation.		
A.5/4	Connected Line Identification Restriction.		
A.5/5	Call Forwarding Unconditional.		
A.5/6	Call Forwarding on Mobile Subscriber Busy.		
A.5/7	Call Forwarding on No Reply.		
A.5/8	Call Forwarding on Mobile Subscriber Not Reachable.		
A.5/9	Call Waiting.		
A.5/10	Call Hold.		
A.5/11	Multi Party Service.		
A.5/13	Advice of Charge (Information).		
A.5/14	Advice of Charge (Charging).		
A.5/15	Barring of All Outgoing Calls.		
A.5/16	Barring of Outgoing International Calls.		
A.5/17	Barring of Outgoing International Calls except those directed to the Home PLMN Country.		
A.5/18	Barring of All Incoming Calls.		
A.5/19	Barring of Incoming Calls when Roaming Outside the Home PLMN Country.		
A.5/20	Unstructured SS Data.		
A.5/22	Call Deflection		
A.5/31	Completion of Calls to Busy SS		
A.5/32	Completion of Calls to Busy Requests		
A.5/35	Name Identification SS		
A.6/1	Bearer Service 21(20) .. 26, unrestricted digital information transfer capability.		
A.6/2	Bearer Service 21(20) .. 26, 3.1 kHz audio ex-PLMN information transfer capability.		
A.6/9	Bearer Service 61, Alternate Speech/Data, "Speech".		
A.6/10	Bearer Service 61, Alternate Speech/Data, .3.1 kHz audio ex-PLMN information transfer capability; Asynchronous.		
A.6/12	Bearer Service 81, Speech followed by Data, "Speech".		
A.6/13	Bearer Service 81, Speech followed by Data, .3.1 kHz audio ex-PLMN information transfer capability; Asynchronous.		
A.6/15	Teleservice 11..12, Speech.		
A.7/1	Signalling Access Protocol (SAP).	I.440, X.28nond	I.440
A.7/2	Connection Element (CE).	NT, bothNT, T, bothT	T, bothT, bothNT
A.7/3	User Info Layer 2 Protocol (UIL2P).	ISO6429, COPnoFICT, NAV	NAV
A.7/4	Number of Data Bits(NDB).	7 bits, 8 bits	8 bits


**Features for OUT: SIM800**

<i>Designation</i>	<i>Description</i>	<i>Allowed Values</i>	<i>Supported Value(s)</i>
A.7/5	Parity Information (NPB).	odd, even, 0, 1, none	none
A.7/6	Number of Stop Bits (NSB).	1 bit, 2 bits	1 bit
A.7/7	Radio Channel Requirement (RCR).	dualHR, FR, dualFR	dualFR, dualHR
A.7/8	Intermediate Rate (IR).	8 kbps, 16 kbps	16 kbps, 8 kbps
A.7/9	User Rate (UR).	0.3, 1.2, 2.4, 4.8, 9.6, 1.2/0.075	2.4, 4.8, 9.6
A.7/10	Fixed Network User Rate (FNUR)	9.6, 14.4, 19.2, 28.8, 38.4, 48, 56, NAV	9.6, 14.4
A.7/11	Wanted Air Interface User Rate (WAIUR)	9.6, 14.4, 19.2, 28.8, 38.4, 43.2, 57.6, NAV	9.6, 14.4
A.7/12	User Initiated Modification Indication (UIMI)	not req., upto1, upto2, upto3, upto4, NAV	not req.
A.7/13	Maximum number of Traffic Channels (MaxNumTCH)	1, 2, 3, 4, NAV	1
A.8/1	Signalling Access Protocol (SAP).	I.440, X.28nond	I.440
A.8/2	Connection Element (CE).	NT, bothNT, T, bothT	NT, bothNT, bothT
A.8/3	User Info Layer 2 Protocol (UIL2P).	ISO6429, COPnoFICt, NAV	NAV
A.8/4	Number of Data Bits(NDB).	7 bits, 8 bits	8 bits
A.8/5	Parity Information (NPB).	odd, even, 0, 1, none	none
A.8/6	Number of Stop Bits (NSB).	1 bit, 2 bits	1 bit
A.8/7	Radio Channel Requirement (RCR).	dualHR, FR, dualFR	dualHR, dualFR
A.8/8	Intermediate Rate (IR).	8 kbps, 16 kbps	16 kbps, 8 kbps
A.8/9	User Rate (UR).	0.3, 1.2, 2.4, 4.8, 9.6, 1.2/0.075	9.6, 4.8, 2.4
A.8/10	Modem Type (MT).	V.21, V.22, V.22bis, V.26ter, V.32, V.23, auto	V.26ter, V.22, V.22bis
A.8/11	Fixed Network User Rate (FNUR)	9.6, 14.4, 19.2, 28.8, NAV	14.4, 9.6
A.8/12	Wanted Air Interface User Rate (WAIUR)	9.6, 14.4, 19.2, 28.8, 38.4, 43.2	14.4, 9.6
A.8/13	Acceptable channel codings (ACC)	4.8, 9.6, 14.4, NAV	14.4, 4.8, 9.6
A.8/14	User Initiated Modification Indication (UIMI)	not req., upto1, upto2, upto3, upto4, NAV	not req.
A.8/15	Maximum number of Traffic Channels (MaxNumTCH)	1, 2, 3, 4, NAV	1
A.15/1	Radio Channel Requirement (RCR).	dualHR, FR, dualFR	dualFR, dualHR
A.16/1	Connection Element (CE).	NT, bothNT, T, bothT	T, bothNT, bothT
A.16/2	User Info Layer 2 Protocol (UIL2P).	ISO6429, COPnoFICt, NAV	NAV
A.16/3	Number of Data Bits(NDB).	7 bits, 8 bits	8 bits
A.16/4	Parity Information (NPB).	odd, even, 0, 1, none	none
A.16/5	Number of Stop Bits (NSB).	1 bit, 2 bits	1 bit
A.16/6	Radio Channel Requirement (RCR).	dualHR, FR, dualFR	dualFR, dualHR
A.16/7	Intermediate Rate (IR).	8 kbps, 16 kbps	16 kbps, 8 kbps
A.16/8	User Rate (UR).	0.3, 1.2, 2.4, 4.8, 9.6, 1.2/0.075	9.6, 4.8, 2.4
A.16/9	Modem Type (MT).	V.21, V.22, V.22bis, V.26ter, V.32, V.23, auto1	V.22, V.22bis, V.26ter
A.18/1	Radio Channel Requirement (RCR).	dualHR, FR, dualFR	dualFR, dualHR
A.19/1	Connection Element (CE).	NT, bothNT, T, bothT	bothT, NT, bothNT
A.19/2	User Info Layer 2 Protocol (UIL2P).	ISO6429, COPnoFICt, NAV	NAV
A.19/3	Number of Data Bits(NDB).	7 bits, 8 bits	8 bits
A.19/4	Parity Information (NPB).	odd, even, 0, 1, none	none
A.19/5	Number of Stop Bits (NSB).	1 bit, 2 bits	1 bit


**Features for OUT: SIM800**

<i>Designation</i>	<i>Description</i>	<i>Allowed Values</i>	<i>Supported Value(s)</i>
A.19/6	Radio Channel Requirement (RCR).	dualHR, FR, dualFR	dualFR, dualHR
A.19/7	Intermediate Rate (IR).	8 kbps, 16 kbps	8 kbps, 16 kbps
A.19/8	User Rate (UR).	0.3, 1.2, 2.4, 4.8, 9.6, 1.2/0.075	9.6, 2.4, 4.8
A.19/9	Modem Type (MT).	V.21, V.22, V.22bis, V.26ter, V.32, V.23, auto1	V.26ter, V.22bis
A.21/1	Radio Channel Requirement (RCR).	dualHR, FR, dualFR	dualHR, dualFR
A.23/1	Connection Element (CE).	NT, bothNT, T, bothT	T
A.23/3	Intermediate Rate (IR).	8 kbps, 16 kbps	16 kbps, 8 kbps
A.23/4	User Rate (UR).	2.4, 4.8, 9.6	9.6, 4.8, 2.4
A.23/5	all allowed combinations according to GSM 07.01 B.1.10.2 (3GPP TS 27.001) implemented (if not, provide detailed description).		
A.24/1	Connection Element (CE).	NT, bothNT, T, bothT	T
A.24/3	Intermediate Rate (IR).	8 kbps, 16 kbps	8 kbps, 16 kbps
A.24/4	User Rate (UR).	2.4, 4.8, 9.6	4.8, 9.6, 2.4
A.24/5	all allowed combinations according to GSM 07.01 B.1.11 (3GPP TS 27.001) implemented (if not, provide detailed description).		
A.25.1/1	AMR C/I normalization factor (AFS GSM 900) (units: dB)	0 ... inf	
A.25.1/2	Loop C delay Full rate (round trip delay, in number of TDMA frames)	0 ... inf	
A.25.1/3	AMR C/I normalization factors (AFS, Improved RX performance, GSM 900) (units: dB)	0 ... inf	
A.25.1/4	AMR C/I normalization factors (AHS, Improved RX performance, GSM 900) (units: dB)	0 ... inf	
A.25.1/6	Loop C delay Half rate (round trip delay, in number of TDMA frames)	0 ... inf	
A.25.1/7	Averaging time $T_{av}$ This time is the time between the first and the last measurement sample taken on one carrier during one averaging period when measuring received signal strength	0 ... inf	
A.25.1/11	AMR C/I normalization factor (AFS GSM 850) (units: dB)	0 ... inf	
A.25.1/14	AMR C/I normalization factor (AFS DCS 1800) (units: dB)	0 ... inf	
A.25.1/15	AMR C/I normalization factor (AFS PCS 1900) (units: dB)	0 ... inf	
A.25.1/16	AMR C/I normalization factor (AHS GSM 900) (units: dB)	0 ... inf	
A.25.1/17	AMR C/I normalization factor (AHS GSM 850) (units: dB)	0 ... inf	
A.25.1/20	AMR C/I normalization factor (AHS DCS 1800) (units: dB)	0 ... inf	
A.25.1/21	AMR C/I normalization factor (AHS PCS 1900) (units: dB)	0 ... inf	
A.25.1/22	AMR C/I normalization factors (AFS, Improved RX performance, GSM 850) (units: dB)	0 ... inf	
A.25.1/25	AMR C/I normalization factors (AFS, Improved RX performance, DCS 1800) (units: dB)	0 ... inf	
A.25.1/26	AMR C/I normalization factors (AFS, Improved RX performance, PCS 1900) (units: dB)	0 ... inf	
A.25.1/27	AMR C/I normalization factors (AHS, Improved RX performance, GSM 850) (units: dB)	0 ... inf	
A.25.1/30	AMR C/I normalization factors (AHS, Improved RX performance, DCS 1800) (units: dB)	0 ... inf	
A.25.1/31	AMR C/I normalization factors (AHS, Improved RX performance, PCS 1900) (units: dB)	0 ... inf	
A.25/1	at least one half rate service.		


**Features for OUT: SIM800**

<i>Designation</i>	<i>Description</i>	<i>Allowed Values</i>	<i>Supported Value(s)</i>
A.25/2	Speech supported for Full rate version 1 (GSM FR)		
A.25/3	Speech supported for Half rate version 1 (GSM HR)		
A.25/4	at least one data service.		
A.25/5	at least one full rate data service.		
A.25/6	at least one half rate data service.		
A.25/7	at least one non transparent data service.		
A.25/8	at least one transparent data service.		
A.25/10	at least one asynchronous data service.		
A.25/11	at least one asynchronous non transparent data service.		
A.25/12	2.4 k full rate data mode.		
A.25/13	2.4 k half rate data mode.		
A.25/14	4.8 k full rate data mode.		
A.25/15	4.8 k half rate data mode.		
A.25/16	9.6 k full rate data mode.		
A.25/17	non transparent service with full rate channel at a user rate of 4.8 kbit/s.		
A.25/18	at least one bearer capability.		
A.25/19	at least one MT circuit switched basic service.		
A.25/20	at least one MO circuit switched basic service.		
A.25/22	at least one service on traffic channel supported		
A.25/23	dual rate radio channel types (no relation to supported speech codecs)		
A.25/25	at least one teleservice.		
A.25/26	CC protocol for at least one BC.		
A.25/29	at least one supplementary service.		
A.25/30	non call related supplementary service.		
A.25/31	at least one short message service.		
A.25/32	(SMS) reply procedure.		
A.25/33	replace SMS.		
A.25/34	display of received SMS.		
A.25/35	SMS status report capabilities.		
A.25/36	Storing of short messages in the SIM.		
A.25/37	Storing of short messages in the ME.		
A.25/38	detach on power down.		
A.25/42	Plug-In SIM.		
A.25/43	Disable PIN feature.		
A.25/44	PIN2 feature.		
A.25/45	Feature requiring entry of PIN2.		
A.25/46	Chars 0-9, *, # supported		
A.25/48	automatically enter automatic selection of PLMN mode.		
A.25/49	alerting indication to the user.		
A.25/52	In-Call modification.		
A.25/53	follow-on request procedure.		
A.25/57	Handset MS supporting speech.		
A.25/60	Permanent Antenna Connector.		
A.25/61	Pseudo-synchronized handover supported.		
A.25/65	Speech supported for Full rate version 2 (GSM EFR)		
A.25/66a	RLP supports non default parameters		
A.25/72	14.4 k data mode		




**Features for OUT: SIM800**

<i>Designation</i>	<i>Description</i>	<i>Allowed Values</i>	<i>Supported Value(s)</i>
A.25/73	Implementation of cause number 27 of busy autocaling in category 2		
A.25/74	Implementation of cause number 27 of busy autocaling in category 3		
A.25/76	Artificial ear type 1		
A.25/79	Speech supported for Full rate version 3 (FR AMR)		
A.25/83	Support of one PDP context activation		
A.25/84	Support of more than one PDP context activation		
A.25/85	Support of more than one PDP context activation simultaneously on the same SAPI		
A.25/88	Support of Network requested PDP context activation		
A.25/89	Support for user settings of minimum QoS		
A.25/90	Automatic GPRS attach procedure at switch-on/power-on		
A.25/92	Automatic attach procedure when MS identity cannot derived by the network		
A.25/93	Automatic MM IMSI attach procedure at switch-on / power-on		
A.25/94	Support of SIM Application Toolkit		
A.25/96	1,8V/3V SIM/ME interface.		
A.25/97	Multiple SM MO/PP on same RR link		
A.25/99	at least one service not support immediate connection		
A.25/102	EFR_EmgCallSetup message contains the bearer capability		
A.25/106	User requested non-GPRS detached		
A.25/108	Artificial ear type 3.3		
A.25/109	Support of Multiple SMS		
A.25/111	GPRS attach attempted automatically due to outstanding request		
A.25/112	Speech supported for Half rate version 3 (HR AMR)		
A.25/113	AMR Loop Back Modes		
A.25/114	TTY services		
A.25/115	Support of Secondary PDP Context Activation		
A.25/116	Support of MO SMS Concatenation		
A.25/117	Support of MT SMS Concatenation		
A.25/118	NITZ Supported		
A.25/119	Use of NITZ DST (Daylight Saving Time)		
A.25/129	Support of DARP phase 1		
A.25/132	MS with improved receiver performance		
A.25/138	Support of overwriting the existing Class 2 SMS		
A.25/139	Support of Repeated SACCH		
A.25/142	Support of Rel-4 acoustic implementation		
A.25/143	MS with no components having RF performance sensitive to vibration condition during testing		
A.25/145	Use of NITZ Short Name		
A.25/146	Use of NITZ Universal Time		
A.25/147	Use of NITZ Local Time Zone		
A.25/148	MS using a temporary antenna connector		
A.25/149	Support of Repeated FACCH		
A.25/151	Controlled Early Classmark Sending		
A.25/155	Classmark 3 options available		
A.25/157	UCS2 treatment	0, 1	0


**Features for OUT: SIM800**

<i>Designation</i>	<i>Description</i>	<i>Allowed Values</i>	<i>Supported Value(s)</i>
A.25/158	CM Service Prompt		
A.25/159	Extended Measurement Capability		
A.25/165	Support of public basic MMI strings to change/unblock PIN		
A.25/166	UMTS AKA capable		
E.1/1	Profile Download		
E.1/2	SMS-PP data download		
E.1/3	Cell Broadcast data download		
E.1/4	Menu selection		
E.1/5	9EXX response code for SIM data download error		
E.1/6	Timer expiration		
E.1/7	USSD string data object supported in Call Control		
E.1/8	Envelope Call Control always sent to the SIM during automatic redial mode		
E.1/9	Command result		
E.1/10	Call Control by SIM		
E.1/11	Cell identity included in Call Control by SIM		
E.1/12	MO short message control by SIM		
E.1/13	Handling of the alpha identifier		
E.1/14	UCS2 Entry supported		
E.1/15	UCS2 Display supported		
E.1/16	Display of the extension text		
E.1/17	DISPLAY TEXT		
E.1/18	GET INKEY		
E.1/19	GET INPUT		
E.1/20	MORE TIME		
E.1/21	PLAY TONE		
E.1/22	POLL INTERVAL		
E.1/23	POLLING OFF		
E.1/24	REFRESH		
E.1/25	SELECT ITEM		
E.1/26	SEND SHORT MESSAGE		
E.1/27	SEND SS		
E.1/28	SEND USSD		
E.1/29	SET UP CALL		
E.1/30	SET UP MENU		
E.1/31	PROVIDE LOCAL INFORMATION (LOCI & IMEI)		
E.1/32	PROVIDE LOCAL INFORMATION (NMR)		
E.1/33	SET UP EVENT LIST		
E.1/34	Event: MT call		
E.1/35	Event: Call connected		
E.1/36	Event: Call disconnected		
E.1/37	Event: Location status		
E.1/38	Event: User activity		
E.1/39	Event: Idle screen available		
E.1/41	Event: Language selection		
E.1/42	Event: Browser Termination		
E.1/57	TIMER MANAGEMENT (start, stop)		
E.1/58	TIMER MANAGEMENT (get current value)		
E.1/59	PROVIDE LOCAL INFORMATION (date, time and time zone)		
E.1/60	Binary choice in GET INKEY		

**Features for OUT: SIM800**

<i>Designation</i>	<i>Description</i>	<i>Allowed Values</i>	<i>Supported Value(s)</i>
E.1/61	SET UP IDLE MODE TEXT		
E.1/63	2nd alpha identifier in SET UP CALL		
E.1/64	2nd capability configuration parameter		
E.1/65	Sustained DISPLAY TEXT		
E.1/66	SEND DTMF command		
E.1/67	PROVIDE LOCAL INFORMATION - BCCH		
E.1/68	PROVIDE LOCAL INFORMATION (language)		
E.1/69	PROVIDE LOCAL INFORMATION (Timing Advance)		
E.1/70	LANGUAGE NOTIFICATION		
E.1/71	LAUNCH BROWSER		
E.1/108	Number of characters supported down the ME		
E.1/113	Number of characters supported across the ME display		
E.1/117	Number of characters supported across the ME display		
E.1/122	Text Wrapping supported		
E.1/123	Text Scrolling supported		
R1	Reduced applicability - the test is applicable ("A") or redundant ("R") depending on the support of other optional or conditional items.		
R5	Reduced applicability - the test is applicable ("A") or redundant ("R") depending on the support of other optional or conditional items.		

## 2.4 Setups used for Testing

For each setup a relation is given to determine if and which samples and auxiliary equipment is used. The left side list all OUT samples and the right side lists all auxiliary equipment for the given setup.

<i>Setup No.</i>	<i>List of OUT samples</i>		<i>List of auxiliary equipment</i>	
	<i>Sample No.</i>	<i>Sample Description</i>	<i>AE No.</i>	<i>AE Description</i>
<b>S1</b>				
	Sample: S1-01	TestSample:S1		
<b>S2</b>				
	Sample: S2-01	TestSample:S2		

## 3 Results

### 3.1 General

**Documentation of tested devices:**

Available at the test laboratory.

**Interpretation of the test results:**

The results of the inspection are described on the following pages, where 'Conformity' or 'Passed' means that the certification criteria were verified and that the tested device is conform to the applied standard.

In cases where 'Declaration' is printed, the required documents are available in the manufacturers product documentation.

In cases where 'not applicable' is printed, the test case requirements are not relevant to the specific equipment implementation.

### 3.2 List of the Applicable Body

(Body for Scope: GERAN\_v1)

<i>Designation</i>	<i>Description</i>
GCF-CC v3.52 bis	Official GCF-CC Version 3.52.1

### 3.3 List of Test Specification

<i>Test Specification:</i>	<b>51.010-1</b>
<i>Date / Version</i>	2013/09/24 Version: v11.2.0
<i>Title:</i>	3GPP TS 51.010-1
<i>Description:</i>	Part 1: Conformance specification

### 3.4 Summary

<i>Test Case Identifier / Name</i>	<i>Cat</i>	<i>Result</i>	<i>Date of Test</i>	<i>Lab Ref.</i>	<i>Setup</i>
<b>12.1.1 Conducted spurious emissions, MS allocated a channel</b>					
12.1.1; Frequency Band = 1800, VH	A	Passed	2013/12/28	Lab 1	S1
12.1.1; Frequency Band = 900, VH	A	Passed	2013/12/28	Lab 1	S2
12.1.1; Frequency Band = 1800, VL	A	Passed	2013/12/28	Lab 1	S1
12.1.1; Frequency Band = 900, VL	A	Passed	2013/12/28	Lab 1	S1
12.1.1; Frequency Band = 1800, VN	A	Passed	2013/12/28	Lab 1	S1
12.1.1; Frequency Band = 900, VN	A	Passed	2013/12/28	Lab 1	S1
<b>12.1.2 Conducted spurious emissions, MS in idle mode</b>					
12.1.2; Frequency Band = 1800, VH	A	Passed	2013/12/28	Lab 1	S1
12.1.2; Frequency Band = 900, VH	A	Passed	2013/12/28	Lab 1	S1
12.1.2; Frequency Band = 1800, VL	A	Passed	2013/12/28	Lab 1	S1
12.1.2; Frequency Band = 900, VL	A	Passed	2013/12/28	Lab 1	S1
12.1.2; Frequency Band = 1800, VN	A	Passed	2013/12/28	Lab 1	S1
12.1.2; Frequency Band = 900, VN	A	Passed	2013/12/28	Lab 1	S1
<b>13.2 Frequency error under multipath and interference conditions</b>					
13.2; Frequency Band = 1800, TH, VH	A	Passed	2013/12/27	Lab 1	S2
13.2; Frequency Band = 900, TH, VH	A	Passed	2013/12/27	Lab 1	S2
13.2; Frequency Band = 1800, TH, VL	A	Passed	2013/12/27	Lab 1	S2
13.2; Frequency Band = 900, TH, VL	A	Passed	2013/12/27	Lab 1	S2
13.2; Frequency Band = 1800, TL, VH	A	Passed	2013/12/27	Lab 1	S2
13.2; Frequency Band = 900, TL, VH	A	Passed	2013/12/27	Lab 1	S2
13.2; Frequency Band = 1800, TL, VL	A	Passed	2013/12/27	Lab 1	S2
13.2; Frequency Band = 900, TL, VL	A	Passed	2013/12/27	Lab 1	S2
13.2; Frequency Band = 1800, TN, VN	A	Passed	2013/12/27	Lab 1	S2
13.2; Frequency Band = 900, TN, VN	A	Passed	2013/12/27	Lab 1	S2



Reference: I13GC9550

Test Case Identifier / Name				Lab	
Test (condition)	Cat	Result	Date of Test	Ref.	Setup
<b>13.4 Output RF spectrum</b>					
13.4; Frequency Band = 1800, TH, VH, modulation	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 900, TH, VH, modulation	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 1800, TH, VH, switching	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 900, TH, VH, switching	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 1800, TH, VL, modulation	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 900, TH, VL, modulation	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 1800, TH, VL, switching	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 900, TH, VL, switching	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 1800, TL, VH, modulation	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 900, TL, VH, modulation	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 1800, TL, VH, switching	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 900, TL, VH, switching	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 1800, TL, VL, modulation	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 900, TL, VL, modulation	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 1800, TL, VL, switching	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 900, TL, VL, switching	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 1800, TN, VN, modulation detailed	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 900, TN, VN, modulation detailed	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 1800, TN, VN, modulation	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 900, TN, VN, modulation	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 1800, TN, VN, spurious	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 900, TN, VN, spurious	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 1800, TN, VN, switching	A	Passed	2013/12/27	Lab 1	S2
13.4; Frequency Band = 900, TN, VN, switching	A	Passed	2013/12/27	Lab 1	S2
<b>13.16.1 Frequency error and phase error in GPRS multislots configuration</b>					
13.16.1; Frequency Band = 1800, TH, VH	A	Passed	2013/12/27	Lab 1	S2
13.16.1; Frequency Band = 900, TH, VH	A	Passed	2013/12/27	Lab 1	S2
13.16.1; Frequency Band = 1800, TH, VL	A	Passed	2013/12/27	Lab 1	S2
13.16.1; Frequency Band = 900, TH, VL	A	Passed	2013/12/27	Lab 1	S2
13.16.1; Frequency Band = 1800, TL, VH	A	Passed	2013/12/27	Lab 1	S2
13.16.1; Frequency Band = 900, TL, VH	A	Passed	2013/12/27	Lab 1	S2
13.16.1; Frequency Band = 1800, TL, VL	A	Passed	2013/12/27	Lab 1	S2
13.16.1; Frequency Band = 900, TL, VL	A	Passed	2013/12/27	Lab 1	S2
13.16.1; Frequency Band = 1800, TN, VN	A	Passed	2013/12/27	Lab 1	S2
13.16.1; Frequency Band = 900, TN, VN	A	Passed	2013/12/27	Lab 1	S2



Reference: I13GC9550

Test Case Identifier / Name	Cat		Result	Date of Test	Lab Ref.	Setup
Test (condition)						
<b>13.16.2.4.1 Transmitter output power in GPRS multislot configuration - MS with permanent- or temporary antenna connector</b>						
13.16.2.4.1; Frequency Band = 1800, TH, VH	A	Passed		2013/12/27	Lab 1	S2
13.16.2.4.1; Frequency Band = 900, TH, VH	A	Passed		2013/12/27	Lab 1	S2
13.16.2.4.1; Frequency Band = 1800, TH, VL	A	Passed		2013/12/27	Lab 1	S2
13.16.2.4.1; Frequency Band = 900, TH, VL	A	Passed		2013/12/27	Lab 1	S2
13.16.2.4.1; Frequency Band = 1800, TL, VH	A	Passed		2013/12/27	Lab 1	S2
13.16.2.4.1; Frequency Band = 900, TL, VH	A	Passed		2013/12/27	Lab 1	S2
13.16.2.4.1; Frequency Band = 1800, TL, VL	A	Passed		2013/12/27	Lab 1	S2
13.16.2.4.1; Frequency Band = 900, TL, VL	A	Passed		2013/12/27	Lab 1	S2
13.16.2.4.1; Frequency Band = 1800, TN, VN	A	Passed		2013/12/27	Lab 1	S2
13.16.2.4.1; Frequency Band = 900, TN, VN	A	Passed		2013/12/27	Lab 1	S2
<b>13.16.3 Output RF spectrum in GPRS multislot configuration</b>						
13.16.3; Frequency Band = 1800, TH, VH, modulation	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 900, TH, VH, modulation	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 1800, TH, VH, switching	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 900, TH, VH, switching	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 1800, TH, VL, modulation	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 900, TH, VL, modulation	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 1800, TH, VL, switching	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 900, TH, VL, switching	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 1800, TL, VH, modulation	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 900, TL, VH, modulation	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 1800, TL, VH, switching	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 900, TL, VH, switching	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 1800, TL, VL, modulation	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 900, TL, VL, modulation	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 1800, TL, VL, switching	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 900, TL, VL, switching	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 1800, TN, VN, modulation detailed	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 900, TN, VN, modulation detailed	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 1800, TN, VN, modulation	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 900, TN, VN, modulation	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 1800, TN, VN, spurious	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 900, TN, VN, spurious	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 1800, TN, VN, switching	A	Passed		2013/12/27	Lab 1	S2
13.16.3; Frequency Band = 900, TN, VN, switching	A	Passed		2013/12/27	Lab 1	S2



Reference: I13GC9550

Test Case Identifier / Name	Cat	Result	Date of Test	Lab Ref.	Setup
<b>14.1.2.1 Bad frame indication - TCH/HS - Random RF input</b>					
14.1.2.1; Frequency Band = 1800	A	Passed	2014/01/01	Lab 1	S1
14.1.2.1; Frequency Band = 900	A	Passed	2014/01/01	Lab 1	S1
<b>14.1.2.2 Bad frame indication - TCH/HS - Frequency hopping and downlink DTX</b>					
14.1.2.2; Frequency Band = 1800	A	Passed	2014/01/02	Lab 1	S1
14.1.2.2; Frequency Band = 900	A	Passed	2014/01/01	Lab 1	S1
<b>14.2.1 Reference sensitivity - TCH/FS</b>					
14.2.1; Frequency Band = 1800, TH, VH	A	Passed	2013/12/31	Lab 1	S1
14.2.1; Frequency Band = 900, TH, VH	A	Passed	2013/12/31	Lab 1	S1
14.2.1; Frequency Band = 1800, TH, VL	A	Passed	2013/12/31	Lab 1	S1
14.2.1; Frequency Band = 900, TH, VL	A	Passed	2013/12/31	Lab 1	S1
14.2.1; Frequency Band = 1800, TL, VH	A	Passed	2014/01/01	Lab 1	S1
14.2.1; Frequency Band = 900, TL, VH	A	Passed	2013/12/31	Lab 1	S1
14.2.1; Frequency Band = 1800, TL, VL	A	Passed	2014/01/01	Lab 1	S1
14.2.1; Frequency Band = 900, TL, VL	A	Passed	2013/12/31	Lab 1	S1
14.2.1; Frequency Band = 1800, TN, VN	A	Passed	2013/12/30	Lab 1	S1
14.2.1; Frequency Band = 900, TN, VN	A	Passed	2013/12/30	Lab 1	S1
<b>14.2.2 Reference sensitivity - TCH/HS (Speech frames)</b>					
14.2.2; Frequency Band = 1800	A	Passed	2013/12/30	Lab 1	S1
14.2.2; Frequency Band = 900	A	Passed	2013/12/30	Lab 1	S1
<b>14.2.3 Reference sensitivity - FACCH/F</b>					
14.2.3; Frequency Band = 1800	A	Passed	2013/12/30	Lab 1	S1
14.2.3; Frequency Band = 900	A	Passed	2013/12/30	Lab 1	S1
<b>14.2.4 Reference sensitivity - FACCH/H</b>					
14.2.4; Frequency Band = 1800	A	Passed	2013/12/30	Lab 1	S1
14.2.4; Frequency Band = 900	A	Passed	2013/12/30	Lab 1	S1
<b>14.3 Usable receiver input level range</b>					
14.3; Frequency Band = 1800, TH, VH	A	Passed	2013/12/31	Lab 1	S1
14.3; Frequency Band = 900, TH, VH	A	Passed	2013/12/31	Lab 1	S1
14.3; Frequency Band = 1800, TH, VL	A	Passed	2013/12/31	Lab 1	S1
14.3; Frequency Band = 900, TH, VL	A	Passed	2013/12/31	Lab 1	S1
14.3; Frequency Band = 1800, TL, VH	A	Passed	2014/01/01	Lab 1	S1
14.3; Frequency Band = 900, TL, VH	A	Passed	2014/01/01	Lab 1	S1
14.3; Frequency Band = 1800, TL, VL	A	Passed	2014/01/01	Lab 1	S1
14.3; Frequency Band = 900, TL, VL	A	Passed	2014/01/01	Lab 1	S1
14.3; Frequency Band = 1800, TN, VN	A	Passed	2013/12/30	Lab 1	S1
14.3; Frequency Band = 900, TN, VN	A	Passed	2013/12/30	Lab 1	S1
<b>14.4.1 Co-channel rejection - TCH/FS</b>					
14.4.1; Frequency Band = 1800, no hopping	A	Passed	2013/12/30	Lab 1	S1
14.4.1; Frequency Band = 900, no hopping	A	Passed	2013/12/30	Lab 1	S1
<b>14.4.4 Co-channel rejection - FACCH/F</b>					
14.4.4; Frequency Band = 1800	A	Passed	2013/12/31	Lab 1	S1
14.4.4; Frequency Band = 900	A	Passed	2013/12/31	Lab 1	S1
<b>14.4.5 Co-channel rejection - FACCH/H</b>					
14.4.5; Frequency Band = 1800	A	Passed	2013/12/31	Lab 1	S1
14.4.5; Frequency Band = 900	A	Passed	2013/12/31	Lab 1	S1
<b>14.4.7 Receiver performance in the case of frequency hopping and co-channel interference on one carrier</b>					
14.4.7; Frequency Band = 1800	A	Passed	2013/12/30	Lab 1	S1
14.4.7; Frequency Band = 900	A	Passed	2013/12/30	Lab 1	S1





Reference: I13GC9550

Test Case Identifier / Name				Lab	
Test (condition)	Cat	Result	Date of Test	Ref.	Setup
<b>14.6.1 Intermodulation rejection - speech channels</b>					
14.6.1; Frequency Band = 1800, TH, VH	A	Passed	2013/12/31	Lab 1	S1
14.6.1; Frequency Band = 900, TH, VH	A	Passed	2013/12/31	Lab 1	S1
14.6.1; Frequency Band = 1800, TH, VL	A	Passed	2013/12/31	Lab 1	S1
14.6.1; Frequency Band = 900, TH, VL	A	Passed	2013/12/31	Lab 1	S1
14.6.1; Frequency Band = 1800, TL, VH	A	Passed	2014/01/01	Lab 1	S1
14.6.1; Frequency Band = 900, TL, VH	A	Passed	2014/01/01	Lab 1	S1
14.6.1; Frequency Band = 1800, TL, VL	A	Passed	2014/01/01	Lab 1	S1
14.6.1; Frequency Band = 900, TL, VL	A	Passed	2014/01/01	Lab 1	S1
14.6.1; Frequency Band = 1800, TN, VN	A	Passed	2013/12/30	Lab 1	S1
14.6.1; Frequency Band = 900, TN, VN	A	Passed	2013/12/30	Lab 1	S1
<b>14.7.1 Blocking and spurious response - speech channels</b>					
14.7.1; Frequency Band = 1800	A	Passed	2013/12/28	Lab 1	S1
14.7.1; Frequency Band = 900	A	Passed	2013/12/28	Lab 1	S1
<b>14.8.1 AM suppression - speech channels</b>					
14.8.1; Frequency Band = 1800	A	Passed	2013/12/30	Lab 1	S1
14.8.1; Frequency Band = 900	A	Passed	2013/12/30	Lab 1	S1



Reference: I13GC9550

Test Case Identifier / Name			Lab		
Test (condition)	Cat	Result	Date of Test	Ref.	Setup
<b>14.16.1 Minimum Input level for Reference Performance</b>					
14.16.1; Frequency Band = 1800, TH, VH, PDTCH, CS-3, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TH, VH, PDTCH, CS-3, HT/noFH	A	Passed	2014/01/03	Lab 1	S1
14.16.1; Frequency Band = 1800, TH, VH, PDTCH, CS-3, RA/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TH, VH, PDTCH, CS-3, RA/noFH	A	Passed	2014/01/03	Lab 1	S1
14.16.1; Frequency Band = 1800, TH, VH, PDTCH, CS-3, static/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TH, VH, PDTCH, CS-3, static/FH	A	Passed	2014/01/03	Lab 1	S1
14.16.1; Frequency Band = 1800, TH, VH, PDTCH, CS-3, TUhigh/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TH, VH, PDTCH, CS-3, TUhigh/FH	A	Passed	2014/01/03	Lab 1	S1
14.16.1; Frequency Band = 1800, TH, VH, PDTCH, CS-3, TUhigh/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TH, VH, PDTCH, CS-3, TUhigh/noFH	A	Passed	2014/01/03	Lab 1	S1
14.16.1; Frequency Band = 1800, TH, VH, PDTCH, CS-4, static/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TH, VH, PDTCH, CS-4, static/FH	A	Passed	2014/01/03	Lab 1	S1
14.16.1; Frequency Band = 1800, TH, VH, PDTCH, CS-4, TUhigh/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TH, VH, PDTCH, CS-4, TUhigh/FH	A	Passed	2014/01/03	Lab 1	S1
14.16.1; Frequency Band = 1800, TH, VH, PDTCH, CS-4, TUhigh/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TH, VH, PDTCH, CS-4, TUhigh/noFH	A	Passed	2014/01/03	Lab 1	S1
14.16.1; Frequency Band = 1800, TH, VH, USF, CS-1, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TH, VH, USF, CS-1, HT/noFH	A	Passed	2014/01/03	Lab 1	S1
14.16.1; Frequency Band = 1800, TH, VH, USF, CS-2, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TH, VH, USF, CS-2, HT/noFH	A	Passed	2014/01/03	Lab 1	S1
14.16.1; Frequency Band = 1800, TH, VH, USF, CS-4, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TH, VH, USF, CS-4, HT/noFH	A	Passed	2014/01/03	Lab 1	S1
14.16.1; Frequency Band = 1800, TH, VL, PDTCH, CS-3, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TH, VL, PDTCH, CS-3, HT/noFH	A	Passed	2014/01/03	Lab 1	S1
14.16.1; Frequency Band = 1800, TH, VL, PDTCH, CS-3, RA/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TH, VL, PDTCH, CS-3, RA/noFH	A	Passed	2014/01/03	Lab 1	S1
14.16.1; Frequency Band = 1800, TH, VL, PDTCH, CS-3, static/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TH, VL, PDTCH, CS-3, static/FH	A	Passed	2014/01/03	Lab 1	S1
14.16.1; Frequency Band = 1800, TH, VL, PDTCH, CS-3, TUhigh/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TH, VL, PDTCH, CS-3, TUhigh/FH	A	Passed	2014/01/03	Lab 1	S1
14.16.1; Frequency Band = 1800, TH, VL, PDTCH, CS-3, TUhigh/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TH, VL, PDTCH, CS-3, TUhigh/noFH	A	Passed	2014/01/03	Lab 1	S1
14.16.1; Frequency Band = 1800, TH, VL, PDTCH, CS-4, static/FH	A	Passed	2013/12/31	Lab 1	S1



Reference: I13GC9550

Test Case Identifier / Name			Lab		
Test (condition)	Cat	Result	Date of Test	Ref.	Setup
<b>14.16.1 Minimum Input level for Reference Performance</b>					
14.16.1; Frequency Band = 900, TH, VL, PDTCH, CS-4, static/FH	A	Passed	2014/01/03	Lab 1	S1
14.16.1; Frequency Band = 1800, TH, VL, PDTCH, CS-4, TUhigh/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TH, VL, PDTCH, CS-4, TUhigh/FH	A	Passed	2014/01/03	Lab 1	S1
14.16.1; Frequency Band = 1800, TH, VL, PDTCH, CS-4, TUhigh/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TH, VL, PDTCH, CS-4, TUhigh/noFH	A	Passed	2014/01/03	Lab 1	S1
14.16.1; Frequency Band = 1800, TH, VL, USF, CS-1, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TH, VL, USF, CS-1, HT/noFH	A	Passed	2014/01/03	Lab 1	S1
14.16.1; Frequency Band = 1800, TH, VL, USF, CS-2, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TH, VL, USF, CS-2, HT/noFH	A	Passed	2014/01/03	Lab 1	S1
14.16.1; Frequency Band = 1800, TH, VL, USF, CS-4, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TH, VL, USF, CS-4, HT/noFH	A	Passed	2014/01/03	Lab 1	S1
14.16.1; Frequency Band = 1800, TL, VH, PDTCH, CS-3, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TL, VH, PDTCH, CS-3, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 1800, TL, VH, PDTCH, CS-3, RA/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TL, VH, PDTCH, CS-3, RA/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 1800, TL, VH, PDTCH, CS-3, static/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TL, VH, PDTCH, CS-3, static/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 1800, TL, VH, PDTCH, CS-3, TUhigh/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TL, VH, PDTCH, CS-3, TUhigh/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 1800, TL, VH, PDTCH, CS-3, TUhigh/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TL, VH, PDTCH, CS-3, TUhigh/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 1800, TL, VH, PDTCH, CS-4, static/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TL, VH, PDTCH, CS-4, static/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 1800, TL, VH, PDTCH, CS-4, TUhigh/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TL, VH, PDTCH, CS-4, TUhigh/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 1800, TL, VH, PDTCH, CS-4, TUhigh/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TL, VH, PDTCH, CS-4, TUhigh/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 1800, TL, VH, USF, CS-1, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TL, VH, USF, CS-1, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 1800, TL, VH, USF, CS-2, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TL, VH, USF, CS-2, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 1800, TL, VH, USF, CS-4, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TL, VH, USF, CS-4, HT/noFH	A	Passed	2013/12/31	Lab 1	S1



Reference: I13GC9550

Test Case Identifier / Name			Lab		
Test (condition)	Cat	Result	Date of Test	Ref.	Setup
<b>14.16.1 Minimum Input level for Reference Performance</b>					
14.16.1; Frequency Band = 1800, TL, VL, PDTCH, CS-3, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TL, VL, PDTCH, CS-3, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 1800, TL, VL, PDTCH, CS-3, RA/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TL, VL, PDTCH, CS-3, RA/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 1800, TL, VL, PDTCH, CS-3, static/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TL, VL, PDTCH, CS-3, static/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 1800, TL, VL, PDTCH, CS-3, TUhigh/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TL, VL, PDTCH, CS-3, TUhigh/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 1800, TL, VL, PDTCH, CS-3, TUhigh/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TL, VL, PDTCH, CS-3, TUhigh/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 1800, TL, VL, PDTCH, CS-4, static/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TL, VL, PDTCH, CS-4, static/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 1800, TL, VL, PDTCH, CS-4, TUhigh/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TL, VL, PDTCH, CS-4, TUhigh/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 1800, TL, VL, PDTCH, CS-4, TUhigh/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TL, VL, PDTCH, CS-4, TUhigh/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 1800, TL, VL, USF, CS-1, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TL, VL, USF, CS-1, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 1800, TL, VL, USF, CS-2, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TL, VL, USF, CS-2, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 1800, TL, VL, USF, CS-4, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TL, VL, USF, CS-4, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 1800, TN, VN, PDTCH, CS-3, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TN, VN, PDTCH, CS-3, HT/noFH	A	Passed	2013/12/30	Lab 1	S1
14.16.1; Frequency Band = 1800, TN, VN, PDTCH, CS-3, RA/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TN, VN, PDTCH, CS-3, RA/noFH	A	Passed	2013/12/30	Lab 1	S1
14.16.1; Frequency Band = 1800, TN, VN, PDTCH, CS-3, static/FH, DLPWRCTRL	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TN, VN, PDTCH, CS-3, static/FH, DLPWRCTRL	A	Passed	2013/12/30	Lab 1	S1
14.16.1; Frequency Band = 1800, TN, VN, PDTCH, CS-3, static/FH, no DLPWRCTRL	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TN, VN, PDTCH, CS-3, static/FH, no DLPWRCTRL	A	Passed	2013/12/30	Lab 1	S1
14.16.1; Frequency Band = 1800, TN, VN, PDTCH, CS-3, static/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TN, VN, PDTCH, CS-3, static/noFH	A	Passed	2013/12/30	Lab 1	S1
14.16.1; Frequency Band = 1800, TN, VN, PDTCH, CS-3, TUhigh/FH	A	Passed	2013/12/31	Lab 1	S1



Reference: I13GC9550

Test Case Identifier / Name			Lab		
Test (condition)	Cat	Result	Date of Test	Ref.	Setup
<b>14.16.1 Minimum Input level for Reference Performance</b>					
14.16.1; Frequency Band = 900, TN, VN, PDTCH, CS-3, TUhigh/FH	A	Passed	2013/12/30	Lab 1	S1
14.16.1; Frequency Band = 1800, TN, VN, PDTCH, CS-3, TUhigh/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TN, VN, PDTCH, CS-3, TUhigh/noFH	A	Passed	2013/12/30	Lab 1	S1
14.16.1; Frequency Band = 1800, TN, VN, PDTCH, CS-4, static/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TN, VN, PDTCH, CS-4, static/FH	A	Passed	2013/12/30	Lab 1	S1
14.16.1; Frequency Band = 1800, TN, VN, PDTCH, CS-4, TUhigh/FH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TN, VN, PDTCH, CS-4, TUhigh/FH	A	Passed	2013/12/30	Lab 1	S1
14.16.1; Frequency Band = 1800, TN, VN, PDTCH, CS-4, TUhigh/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TN, VN, PDTCH, CS-4, TUhigh/noFH	A	Passed	2013/12/30	Lab 1	S1
14.16.1; Frequency Band = 1800, TN, VN, USF, CS-1, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TN, VN, USF, CS-1, HT/noFH	A	Passed	2013/12/30	Lab 1	S1
14.16.1; Frequency Band = 1800, TN, VN, USF, CS-1, static/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TN, VN, USF, CS-1, static/noFH	A	Passed	2013/12/30	Lab 1	S1
14.16.1; Frequency Band = 1800, TN, VN, USF, CS-2, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TN, VN, USF, CS-2, HT/noFH	A	Passed	2013/12/30	Lab 1	S1
14.16.1; Frequency Band = 1800, TN, VN, USF, CS-4, HT/noFH	A	Passed	2013/12/31	Lab 1	S1
14.16.1; Frequency Band = 900, TN, VN, USF, CS-4, HT/noFH	A	Passed	2013/12/30	Lab 1	S1



Reference: I13GC9550

Test Case Identifier / Name	Cat		Result	Date of Test	Lab Ref.	Setup
Test (condition)						
14.16.2.1 Co-channel rejection for packet channels						
14.16.2.1; Frequency Band = 1800, PDTCH, CS-1, RA/noFH	A	Passed	2013/12/31	Lab 1	S1	
14.16.2.1; Frequency Band = 900, PDTCH, CS-1, RA/noFH	A	Passed	2013/12/31	Lab 1	S1	
14.16.2.1; Frequency Band = 1800, PDTCH, CS-1, TUhigh/FH	A	Passed	2013/12/31	Lab 1	S1	
14.16.2.1; Frequency Band = 900, PDTCH, CS-1, TUhigh/FH	A	Passed	2013/12/31	Lab 1	S1	
14.16.2.1; Frequency Band = 1800, PDTCH, CS-1, TULow/noFH	A	Passed	2013/12/31	Lab 1	S1	
14.16.2.1; Frequency Band = 900, PDTCH, CS-1, TULow/noFH	A	Passed	2013/12/31	Lab 1	S1	
14.16.2.1; Frequency Band = 1800, PDTCH, CS-2, RA/noFH	A	Passed	2013/12/31	Lab 1	S1	
14.16.2.1; Frequency Band = 900, PDTCH, CS-2, RA/noFH	A	Passed	2013/12/31	Lab 1	S1	
14.16.2.1; Frequency Band = 1800, PDTCH, CS-2, TULow/noFH	A	Passed	2013/12/31	Lab 1	S1	
14.16.2.1; Frequency Band = 900, PDTCH, CS-2, TULow/noFH	A	Passed	2013/12/31	Lab 1	S1	
14.16.2.1; Frequency Band = 1800, PDTCH, CS-3, TUhigh/FH	A	Passed	2013/12/31	Lab 1	S1	
14.16.2.1; Frequency Band = 900, PDTCH, CS-3, TUhigh/FH	A	Passed	2013/12/31	Lab 1	S1	
14.16.2.1; Frequency Band = 1800, PDTCH, CS-3, TULow/noFH	A	Passed	2013/12/31	Lab 1	S1	
14.16.2.1; Frequency Band = 900, PDTCH, CS-3, TULow/noFH	A	Passed	2013/12/31	Lab 1	S1	
14.16.2.1; Frequency Band = 1800, PDTCH, CS-4, TULow/noFH	A	Passed	2013/12/31	Lab 1	S1	
14.16.2.1; Frequency Band = 900, PDTCH, CS-4, TULow/noFH	A	Passed	2013/12/31	Lab 1	S1	
14.16.2.1; Frequency Band = 1800, USF, CS-1, TUhigh/noFH	A	Passed	2013/12/31	Lab 1	S1	
14.16.2.1; Frequency Band = 900, USF, CS-1, TUhigh/noFH	A	Passed	2013/12/31	Lab 1	S1	
14.16.2.1; Frequency Band = 1800, USF, CS-2, TUhigh/noFH	A	Passed	2013/12/31	Lab 1	S1	
14.16.2.1; Frequency Band = 900, USF, CS-2, TUhigh/noFH	A	Passed	2013/12/31	Lab 1	S1	
22.1 Transmit power control timing and confirmation, single slot						
22.1; Frequency Band = 1800	A	Passed	2013/12/31	Lab 1	S1	
22.1; Frequency Band = 900	A	Passed	2013/12/31	Lab 1	S1	
22.4 GPRS Uplink Power Control Independence of TS Power Control						
22.4; Frequency Band = 1800	A	Passed	2013/12/31	Lab 1	S1	
22.4; Frequency Band = 900	A	Passed	2013/12/31	Lab 1	S1	
26.6.8.5 Ciphering mode / IMEISV request						
26.6.8.5; Frequency Band = 900	A	Passed	2013/12/30	Lab 2	S1	



## 4 Test Equipment Details

### 4.1 List of Used Test Equipment

The calibration, hardware and software states are shown for the testing period.

#### Test Equipment SH-241

<b>Lab ID:</b>	<b>Lab 1</b>	
<b>Manufacturer:</b>	ESPEC	
<b>Description:</b>	Climate Chamber	
<b>Type:</b>	SH-241	
<b>Serial Number:</b>	92001145	
	<i>Calibration Details</i>	<i>Last Execution</i>
	Calibration	2012/05/24

#### Test Equipment TP5 - R&S 8950G

<b>Lab ID:</b>	<b>Lab 1</b>	
<b>Manufacturer:</b>	Rohde&Schwarz	
<b>Description:</b>	R&S 8950G GSM RF Test System	
<b>Type:</b>	8950G	
<b>Serial Number:</b>	100134	
	<i>Calibration Details</i>	<i>Last Execution</i>
	Calibration	2013/04/09
	Calibration	2013/10/11
	<i>HW/SW Status</i>	<i>Date of Start</i> <i>Date of End</i>
	5.25	2013/05/23

#### Single Devices for TP5 - R&S 8950G

<i>Single Device Name</i>	<i>Type</i>	<i>Serial Number</i>	<i>Manufacturer</i>
Channel Simulator	ABFS	100275	Rohde&Schwarz
	<i>Calibration Details</i>		<i>Last Execution</i>
	Calibration		2013/09/23
DC Power Supply	NGSM	5210	Rohde&Schwarz
	<i>Calibration Details</i>		<i>Last Execution</i>
	Calibration		2013/01/13
Power Meter	NRP-Z21	102407	Rohde&Schwarz
	<i>Calibration Details</i>		<i>Last Execution</i>
	Calibration		2013/09/20
Power Meter	NRP-Z21	102408	Rohde&Schwarz
	<i>Calibration Details</i>		<i>Last Execution</i>
	Calibration		2013/09/20
Rubidium Clock	8040C	712014037	Symmetricon
	<i>Calibration Details</i>		<i>Last Execution</i>
	Calibration		2013/09/18
Signal Generator	SMF100A	100545	Rohde&Schwarz
	<i>Calibration Details</i>		<i>Last Execution</i>
	Calibration		2013/09/23
Signal Generator	SMU200A	103393	Rohde&Schwarz
	<i>Calibration Details</i>		<i>Last Execution</i>
	Calibration		2013/09/23
Signal Generator	SMU200A	105161	Rohde&Schwarz
	<i>Calibration Details</i>		<i>Last Execution</i>
	Calibration		2013/03/22



### Single Devices for TP5 - R&S 8950G (continued)

Single Device Name	Type	Serial Number	Manufacturer
	Calibration		2013/09/22
Spectrum Analyser	FSU26	200786	Rohde&Schwarz
	Calibration Details		Last Execution
	Calibration		2013/09/23
System Simulator	CRTU-S	100383	Rohde&Schwarz
	Calibration Details		Last Execution
	Calibration		2013/09/26

### Test Equipment TP50-Anite SAT(A) UE

<b>Lab ID:</b>	<b>Lab 2</b>		
<b>Manufacturer:</b>	Anite		
<b>Description:</b>	Conformance Protocol Test System		
	HW/SW Status	Date of Start	Date of End
	v28.0	2013/08/13	

### Single Devices for TP50-Anite SAT(A) UE

Single Device Name	Type	Serial Number	Manufacturer
Baseband Processor	ABP	TA01308	Anite
Baseband Processor	ABP	TA01314	Anite
Baseband Processor	ABP	TA01316	Anite
Baseband Processor	ABP	TA01318	Anite
Radio Transceiver	8960	MY50260845	Agilent
	Calibration Details		Last Execution
	Calibration		2012/11/09
Radio Transceiver	8960	MY50260973	Agilent
	Calibration Details		Last Execution
	Calibration		2012/10/29
Radio Transceiver	8960	MY50261020	Agilent
	Calibration Details		Last Execution
	Calibration		2012/11/09
Radio Transceiver	8960	MY50261047	Agilent
	Calibration Details		Last Execution
	Calibration		2012/10/29
Radio Transceiver	8960	MY50261311	Agilent
	Calibration Details		Last Execution
	Calibration		2012/11/16
Radio Transceiver	8960	MY50261317	Agilent
	Calibration Details		Last Execution
	Calibration		2012/11/13
RF Combiner	RF Combiner	TC01309	Anite
	Calibration Details		Last Execution
	Calibration		2012/11/13





**Test Equipment V406M4-CE/353B02**

<b>Lab ID:</b>	<b>Lab 1</b>	
<i>Manufacturer:</i>	LDS	
<i>Description:</i>	Vibrator	
<i>Type:</i>	V406M4-CE/353B02	
<i>Serial Number:</i>	1021482-7/128052	
	<i>Calibration Details</i>	<i>Last Execution</i>
	Calibration	2013/04/25

## 5 Annex

### 5.1 Additional Information for OUT Description

#### 5.1.1 Photos of OUT



1. Back View of OUT



2. Front View of OUT

## 5.2 Additional Information for Report

### 5.2.1 Laboratory Conformance Declaration

ALL the testcases only request by the applicant

### 5.2.2 Deviations from Prescribed Test Methods

No deviation from prescribed test methods.

The settings of high and low voltages used in extreme condition tests are according to the statement by manufacture.

### 5.2.3 Test Engineer

Number	Scope	Test Engineer
1	GSM RF	Jinjian
2	GSM PROTOCOL	Lianchangliang
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**5.2.4 ISO/IEC 17025 Accreditation Certificate**

<div></div> <div><b>China National Accreditation Service for Conformity Assessment</b></div> <div><b>LABORATORY ACCREDITATION CERTIFICATE</b></div> <div><b>(Registration No. CNAS L0570 )</b></div> <div><b>Telecommunication Technology Labs of</b></div> <div><b>The Research Institute of Telecommunications Transmission,</b></div> <div><b>MIIT</b></div> <div><u>No.11, Yuetan South Street, Xicheng District, Beijing, China</u></div> <div><u>No.52, Huayuan North Road, Haidian District, Beijing, China</u></div> <div><i>is accredited 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 of testing.</i></div> <div><i>The scope of accreditation is detailed in the attached appendices bearing the same registration number as above. The appendices form an integral part of this certificate.</i></div> <div><b>Date of Issue: 2011-06-20</b></div> <div><b>Date of Expiry: 2014-06-19</b></div> <div><b>Date of Initial Accreditation: 1998-07-03</b></div> <div><b>Date of Update: 2011-06-20</b></div> <div></div> <div><b>Signed on behalf of China National Accreditation Service for Conformity Assessment</b></div> <div><small>China National Accreditation Service for Conformity Assessment (CNAS) is authorized by Certification and Accreditation Administration of the People's Republic of China (CNCA) to operate the national accreditation schemes for conformity assessment. CNAS is the signatory to International Laboratory Accreditation Cooperation Multilateral Recognition Arrangement (ILAC MRA) and Asia Pacific Laboratory Accreditation Cooperation Multilateral Recognition Arrangement (APLAC MRA).</small></div> <div><div>No.CNAS AL 2</div><div>0001523</div></div>
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