

# **TEST REPORT**

REPORT NUMBER: B07GE6046-FCC-EMC

### ON

Type of Equipment:

GSM 850/1900 Mobile Phone

Type of Designation: FX-850C

Manufacturer:

i-Sirius Co., Ltd

### **ACCORDING TO**

FCC CFR Part 2, FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS; GENERAL RULES AND REGULATIONS; e-CFR, March 23, 2006 PART 22, PUBLIC MOBILE SERVICES (Oct 1, 02 Edition) PART 24, PERSONAL COMMUNICATIONS SERVICES (Oct 1, 97 Edition)

China Telecommunication Technology Labs.

Month, date, year Sep, 12, 2007

Signature

He Guili Director



FCC Parts 2, 22 and 24
Equipment: FX-850C REPORT NO.: B07GE6046-FCC-EMC

FCC ID: U9S-FX850C

**Report Date:** 2007-9-12

**Test Firm Name:** China Telecommunication Technology Labs

**Registration Number:** 840587

### Statement

The measurements shown in this report were made in accordance with the procedures described on test pages. All reported tests were carried out on a sample equipment to demonstrate limited compliance with FCC CFR 47 Parts 2, 22 and 24. The sample tested was found to comply with the requirements defined in the applied rules.



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FCC Parts 2, 22 and 24
Equipment: FX-850C REPORT NO.: B07GE6046-FCC-EMC

### 1 General Information

### 1.1 Notes

All reported tests were carried out on a sample equipment to demonstrate limited compliance with FCC CFR 47 Parts 2, 22 and 24.

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 C.

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### 1.2 Testers

Name: Li Guoqing

Position: Engineer

Department: Department of EMC test

Duration of the test: From 2007-08-02 to 2007-08-03

Signature:

Name: Wu Xiang

Position: Engineer

Department: Department of EMC test

Duration of the test: 2007-09-10

Signature:

Technical responsibility for area of testing:

Name: Zou Dongyi

Position: Manager

Department: Department of EMC test

Date:

Signature:



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# 1.3 Testing Laboratory information

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Name: China Telecommunication Technology Labs.

Address: No. 11, Yue Tan Nan Jie, Xi Cheng District

**BEIJING** 

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Tel: +86 10 68094053

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### 1.3.2 Details of accreditation status

Accredited by: China National Accreditation for Laboratory (CNAL)

Registration number: CNAL Registration No.L0570

Standard: ISO/IEC 17025

### 1.3.3 Test location, where different from section 1.3.1

Name: -----Street: -----

City: -----

Country: -----

Telephone: -----

Fax:

Postcode: -----



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FCC Parts 2, 22 and 24 Equipment: FX-850C

# 1.4 Details of applicant or manufacturer

### 1.4.1 Applicant

Name: i-Sirius Co., Ltd

Address: 3rd fl, Sam Young B/D, 106-2, Banpo-Dong,

Seocho-Gu, Seoul

Country: Korea

Telephone: (82)234800900

Fax: (82)234811534

Contact: Steve Bae

Telephone: (82)234800900

Email: Steve.bae@i-sirius.co.kr

# 1.4.2 Manufacturer (if different from applicant in section 1.4.1)

Name: --

Address: --

City:

Country: --



FCC Parts 2, 22 and 24
Equipment: FX-850C REPORT NO.: B07GE6046-FCC-EMC

### 2 Test Item

#### 2.1 General Information

Manufacturer: i-Sirius Co., Ltd

Name: GSM850/1900 Mobile Phone

Model Number: FX-850C

Serial Number: --

Production Status: Production

Receipt date of test item: 2007-08-01

### 2.2 Outline of EUT

EUT is a GSM850/ PCS1900 Dual-band Terminal Equipment. It supports GSM mode, with the frequency range of 824 MHz to 849 MHz for GSM band 850 and 1 850 MHz to 1 910 MHz for GSM band 1900. Its modulation type is GMSK.

# 2.3 Modifications Incorporated in EUT

The EUT 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	Туре	Serial No.	Remarks
Α	Mobile phone	i-Sirius Co., Ltd	FX-850C	-	None
В	Adaptor	MACROWAY	MCW4737A1-US		None
С	Battery	SMC	Lithium ion battery		None

### Cables:

Item	Cable Type	Manufacturer	Length	Shield	Quantity	Remarks
1	DC cable on Adapter	Unknown	1.80m	No	1	None



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### 2.5 Other Information

### **About Power Source**

Items	Relative Information
Adoptor	Input: 100-240V AC, 50/60Hz, 0.3A
Adaptor	Output: 5.0V DC, 600mA
Battery	3.7V



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# 3 Summary of Test Results

A brief summary of the tests carried out is shown as following.

Transition administrary or t	he tests carried out is shown as renowing.		
Specification Clause	Name of Test	Result	
GSM mode:			
2.1051, 24.238,	Dadiated Spurious Emission	Pass	
2.1053,22.917	Radiated Spurious Emission	Pass	
2.1046,24.232	Radiated RF Power Output	Pass	
22.913(a)	Effective Radiated Power (ERP)	Pass	
2.1049,22.917(b),	Occupied Bandwidth	*Note 1	
24.238(b)	Occupied Baridwidth	Note i	
2.1055,22.355,	Frequency Stability over Temperature	Pass	
24.235	Variation	Pass	
2.1055,22.355,	Frequency Stability over Voltage Variation	Pass	
24.235	Trequency Stability over voltage variation	F a 3 3	
2.1046,22.809,24.	Conducted RF Power Output	Pass	
232(b)	Conducted Ki Fower Output	га55	
2.1057,22.357,24.	Conducted spurious emissions	Pass	
238	Conducted spanlous emissions	газэ	

Note 1: No applicable performance criteria.

Note 2: The Power Output Conducted is not tested since the antenna of the EUT is internal integrated and is not removable or can't readily access to the connection point.



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# **4 Test Results**

### 4.1 Radiated Spurious Emission

Specifi	cations:	2.1051, 24.238,2.1053,22.917					
Date o	f Tests	2007.8.2~2007.8.3					
Test co	onditions:	Ambient 7	Temperature: 15℃	2-35℃			
		Relative F	lumidity: 30%-60	1%			
		Air pressu	ire: 86-106kPa				
Operat	ion Mode	TX on, ch	annel 190 and 66	51	X		
Test Re	esults:	Pass			P 1		
Test ed	quipment Use	d:			All A	7	
Asset	Description	Manufacture	Model Number	Serial Number	Cal Due	State	
	Describtion		woder wumber	Serial Number	cai bue	State	
Number		r		W 200			
<b>Number</b> 7805	EMI Test Receiver	r R/S	ESIB26	100211	2008-01-10	Normal	
			ESIB26 HL562	100211 100013	2008-01-10 2008-07-24	Normal Normal	
7805	EMI Test Receiver Ultra Broadband	R/S					
7805 7330	EMI Test Receiver Ultra Broadband Antenna Double-Ridged	R/S R/S	HL562	100013	2008-07-24	Normal	

### **Limit Level Construction:**

Communications

Tester

R&S

7330

According to Part 24.238 (a), i.e., Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB, so the limit level is: P(dBm) - (43 + 10 log(P)) dB = -13dBm

CMU200

100233

2008-04-23

Normal

Limits for Radiated spurious emissions(UE)			
Frequency range	Limit Level /Resolution Bandwidth		
30 MHz to 20000 MHz	-13dBm/1MHz		

### **Test Setup:**

The EUT was placed in an anechoic chamber, see figure SP. The CMU 200 was used to set the TX channel and power level and modulate the TX signal with different bit patterns. The test was done using an automated test system, where all test equipments were controlled by a computer.



FCC Parts 2, 22 and 24
Equipment: FX-850C REPORT NO.: B07GE6046-FCC-EMC

#### **Test Method:**

- 1 The maximum spurious emissions were searched by turning the azimuth of the turntable, shifting the polarization of the measuring antenna and changing the pose of the EUT.
  - 2 Levels of EUT's transmitter harmonics and suspicious signals were recorded.
- 3 The recorded levels were corrected in the automated test system with the correction factors given by a substitution calibration made before the measurement. The calibration was made separately for vertical and horizontal polarization and the system uses different correction factors depending on the measuring antenna polarization.
- 4 The corrected values of radiated spurious emissions indicated as EIRP are reported.

#### Note:

- 1 A fully charged battery was used during the test.
- 2 The investigated ARFCNs are 190 (836.6 MHz) and 661 (1880.0 MHz), which are the middle channel of GSM 850 MHz band and PCS 1900 MHz band respectively.
- 3 The investigated frequency range is 30 MHz  $\sim$  20 GHz, including out of band emission and band-edge emission measurements.

#### **Test Results:**

Out of band emission						
Frequency	SPU emission	EUT pose	Antenna Polarization			
[MHz]	[dBm]	[H/V]	[H/V]			
16105.5	-29.10	V	Н			
17032.2	-28.98	V	V			
16853.9	-29.58	Н	Н			
16351.3	-29.83	Н	V			
17935.1	-29.67	V	Н			
17906.3	-29.55	V	V			
15592.6	-28.01	Н	Н			
17980.4	-30.20	Н	V			
Band-edge emission	Band-edge emission					
EUT Channel	Level [dBm]					
190		-17.45				
661		-14.63				



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### 4.2 Radiated RF Power Output and ERP

Specifications:	2.1046,24.232,22.913(a)
Date of Tests	2007.08.03
Test conditions:	Ambient Temperature: 15°C-35°C
	Relative Humidity: 30%-60%
	Air pressure: 86-106kPa
Operation Mode	TX on, channel 128, 190, 251, 512, 661 and 810
Test Results:	Pass
Took and innered the	-d-

#### Test equipment Used:

	10				-	
Asset Number	Description	Manufacturer	Model Number	Serial Number	Cal Due	State
7805	EMI Test Receiver	R/S	ESIB26	100211	2008-01-10	Normal
7330	Ultra Broadband Antenna	R/S	HL562	100013	2008-07-24	Normal
7330	Double-Ridged Horn Antenna	R/S	HF906	100037	2008-01-09	Normal
713	Fully-Anechoic Chamber	ETS	11.8m×6.5m×6 .3m		2007-11-17	Normal
7330	Universal Radio Communications Tester	R&S	CMU200	100233	2008-04-23	Normal

### **Limit Level Construction:**

(a) Radiated RF Power Output

According to Part 24.232(b), i.e., Mobile/portable stations are limited to 2 watts EIRP peak power and the equipment must employ means to limit the power to the minimum necessary for successful communications, so the limit level is 2 W or 33 dBm.

(b) ERP

According to Part 22.913(a), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

Limits for Radiated RF Power Output				
Frequency range	Limit Level (EIRP)/Resolution Bandwidth			
TX channel	33dBm/1MHz			
Limits for ERP				
Frequency range	Limit Level (ERP)			
TX channel	7W			

# Test Setup:

The EUT was set in an anechoic chamber, see Figure P. In the corner of the chamber there is a communication antenna, which is connected to the CMU 200 located outside the chamber. The test was done using an automated test system, where all test equipments were controlled by a computer.



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### Test Method

- 1 The maximum power was searched by turning the azimuth of the turntable, shifting the polarization of the measuring antenna and changing the pose of the EUT.
- 2 The measured levels are EIRP values corrected in the automated test system with the correction factors given by a substitution calibration made before the measurement. The calibration is made separately for vertical and horizontal polarization and the system uses different correction factors depending on the measuring antenna polarization.
- 3 The corrected maximum levels were reported for EIRP values, and ERP values can be calculated from EIRP values.

### Note:

- 1 A fully charged battery was used during the test.
- 2 For GSM 850 MHz band, the ARFCN 128 (824.2 MHz), 190 (836.6 MHz) and 251 (848.8 MHz) are investigated, which are the lowest, middle and highest channel. For PCS 1900 MHz band, the ARFCN 512 (1850.2 MHz), 661 (1880.0 MHz) and 810 (1909.8 MHz) are investigated, which are the lowest, middle and highest channel.

3 ERP dBm = EIRP dBm - 2.15dB.

### ERP Value for GSM 850 band mode:

ARFCN	Frequency	ERP
ARFON	[MHz]	[dBm]
128	824.228	31.69
190	836.553	30.88
251	848.778	30.42

# EIRP Value for PCS 1900 band mode:

ADECN	Frequency	EIRP
ARFCN	[MHz]	[dBm]
512	1850.10	25.26
661	1880.94	26.73
810	1909.90	27.81



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### 4.3 Occupied bandwidth

Specific	cations:	2.1049,22.	2.1049,22.917(b),24.238(b)				
Date of	Test	2007.08.03	2007.08.03				
Test co	nditions:	Ambient Te	emperature: 15°	C-35℃			
		Relative Hu	umidity: 30%-60	)%			
		Air pressur	e: 86-106kPa				
Operat	ion Mode	TX on, cha	nnel 128, 190,	251, 512, 6	61 and 810		
Test Re	esults:	Pass					
Test eq	quipment Used:						
Asset Number	Description	Manufacturer	Model Number	Serial Number	Cal Due	State	
7805	EMI Test Receiver	R/S	ESIB26	100211	2008-01-10	Normal	
7330	Ultra Broadband Antenna	R/S	HL562	100013	2008-07-24	Normal	
7330	Double-Ridged Horn Antenna	R/S	HF906	100037	2008-01-09	Normal	
713	Fully-Anechoic Chamber	ETS	11.8m×6.5m×6.3 m		2007-11-17	Normal	
l	Universal Radio						

# Test Setup

Communications

7330

The situation under which maximum EIRP values were found in the measurement of the radiated RF power output was used to determine the 99% occupied bandwidth. The CMU 200 was used to set the TX channel, power level and modulation.

CMU200

100233

2008-04-23

Normal

### Test Method

The 99% occupied bandwidth was calculated form the spectrum analyzer. Markers in the spectrum analyzer were then placed between the calculated frequencies to show the calculated 99% power band, see screenshots.

### Note:

1 A fully charged battery was used during the test.

R&S

2 The ARFCN 128, 190 and 251 for GSM 850 MHz band and 512, 661 and 810 for PCS 1900 MHz band are investigated.

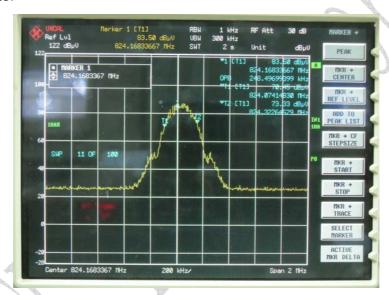


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# 4.3.1 Results:

EUT channel	99% occupied bandwidth [kHz]
128	248.5
190	248.5
251	248.4
512	272.5
661	268.5
810	260.5

### Screen shots:



Channel 128



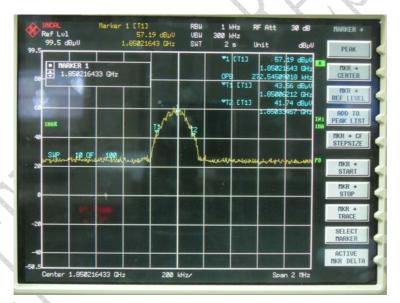
Channel 190



#### REPORT NO.: B07GE6046-FCC-EMC



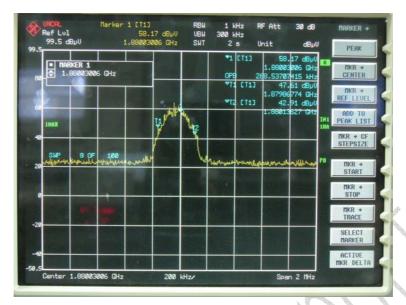
Channel 251



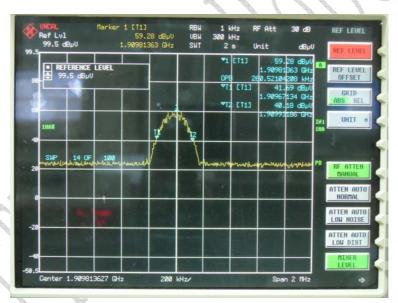
Channel 512



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Channel 661



Channel 810



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# 4.4 Frequency Stability over Temperature Variation

Specific	cations:	2.1055,22.355,24.235				
Date of	Test	2007.08.03				
Test co	nditions:	Ambient Te	mperature: -30°	C- <b>50</b> ℃		
		Relative Hu	midity: 30%-60	%		
		Air pressure	e: 86-106kPa			
Operati	ion Mode	TX on, char	nnel 190 and 66	o1		
Test Re	sults:	Pass				
Test eq	uipment Used	d:			X	
Asset Number	Description	Manufacturer	Model Number	Serial Number	Cal Due	State
7330	Universal Radio Communications Tester	R&S	CMU200	100233	2008-04-23	Normal
7353-2	Temperature Chamber	TERCHY	MHU-800SR	84121202	2009-05-07	Normal
Limit				K 1 4		
Freque	ncy deviation [ppm]			±2.5	*	

# Test Setup

The EUT was placed in a temperature chamber, demonstrated as figure T. The CMU 200 was used to set the TX channel and power level, modulate the TX signal with different bit patterns and measure the frequency of TX. A dummy battery powered by a DC power supply is used to provide a constant power source.

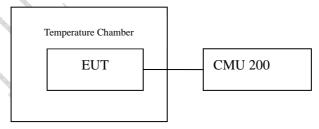


Figure T: setup for measurement of frequency stability over temperature variation

### Test Method

- 1. The EUT was turned off and placed in the temperature chamber.
- 2. The temperature of the chamber was set to -30  $\!\!\!^{\circ}\!\!\!^{\circ}$  and allowed to stabilize.
- 3. The EUT temperature was allowed to stabilize for 45 minutes.
- 4. The EUT was turned on and set to transmit with CMU 200.
- 5. The maximum transmit frequency deviation during one minute period was



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measured by CMU 200.

6. The steps 3-5 were repeated for -20°C, -10°C, 0°C, 10°C, 20°C, 30°C, 40°C and 50°C.

### 4.4.1 Test results

The frequency deviation from the centre frequency over temperature variation is showed as table T1 and T2 for channel 190 and 661 respectively.

Table T1: frequency deviation from the centre frequency over temperature variation for channel 190

Temperature[°C]	Deviation[Hz]	Deviation[ppm]	Remarks
-30	26	0.03	Pass
-20	31	0.04	Pass
-10	25	0.03	Pass
0	19	0.02	Pass
10	27	0.03	Pass
20	30	0.04	Pass
30	33	0.04	Pass
40	41	0.05	Pass
50	39	0.05	Pass

Table T2: frequency deviation from the centre frequency over temperature variation for channel 661

Temperature[℃]	Deviation[Hz]	Deviation[ppm]	Remarks
-30	30	0.02	Pass
-20	27	0.01	Pass
-10	37	0.02	Pass
0	31	0.02	Pass
10	21	0.01	Pass
20	24	0.01	Pass
30	29	0.02	Pass
40 33		0.02	Pass
50	41	0.02	Pass



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# 4.5 Frequency Stability over Voltage Variation

Specific	cations:	2.1055,22.355,24.235				
Date of	Test	2007.08.03	2007.08.03			
Test co	nditions:	Ambient Tem	nperature: 15℃-	35℃		
		Relative Hum	nidity: 30%-60%	6		
		Air pressure:	86-106kPa			
Operati	ion Mode	TX on, chanr	nel 190 and 661			
Test Re	sults:	Pass				
Test eq	t equipment Used:					
Asset Number	Description	Manufacturer	Model Number	Serial Number	Cal Due	State
7330	Universal Radio Communication s Tester	R&S	CMU200	100233	2008-04-23	Normal
7353-2	DC power	Agilent.	66319B	MY43000149	2008-03-03	Normal
Limit						
	ncy deviation [ppm]	±2.5				

# Test Setup

The EUT was placed in a shielding chamber and powered by an adjustable DC power supply, demonstrated as figure V. The CMU 200 was used to set the TX channel and power level, modulate the TX signal with different bit patterns and measure the frequency of TX.

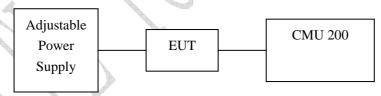


Figure V: test setup for measurement of frequency stability over voltage variation

### Test Method

The EUT battery was replaced with an adjustable DC power supply. The frequency stability measured at nominal voltage and at the cut-off point.



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### Test Results:

The frequency deviation from the centre frequency over voltage variation is showed as table V1 and V2 for channel 190 and 661 respectively.

Table V1: frequency deviation from the centre frequency over temperature variation for channel 190

Level	Voltage[V]	Deviation[Hz]	Deviation[ppm]	Remarks
Nominal	3.7	47	0.06	Pass
Cut-off point	3.4	44	0.05	Pass

Table V2: frequency deviation from the centre frequency over temperature variation for channel 661

Level	Voltage[V]	Deviation[Hz]	Deviation[ppm]	Remarks
Nominal	3.7	53	0.03	Pass
Cut-off point	3.4	66	0.04	Pass
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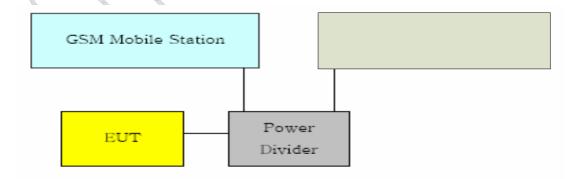
### 4.6 Conducted RF Power Output

			<del>-</del>			
Specifi	cations:	24.232 (b)				
Date o	f Tests	2007.09.10	2007.09.10			
Test co	onditions:	Ambient Temperature: 15°C-35°C				
		Relative Humidity: 30%-60%				
		Air pressur	e: 86-106kPa			
Operat	ion Mode	TX on, channel 128, 190, 251, 512, 661 and 810				
Test Re	esults:	Pass				
Test ed	quipment Use	d:			X	
Asset Number	Description	Manufacturer	Model Number	Serial Number	Cal Due	State
7805	EMI Test Receiver	R/S	ESIB26	100211	2008-01-10	Normal
7330	Universal Radio Communications Tester	R/S	CMU200	100233	2008-04-23	Normal
	Power spliter	Jie sai		1000132	2008-01-04	Normal

Limits for conducted RF Power Output		
Frequency range	Nominal Peak output power(dBm)	
TX channel	30dBm/1MHz	

# Test Setup:

During the process of testing, the EUT was controlled via Rhode & Schwarz Digital Radio Communication tester (CMU-200) to ensure max power transmission and proper modulation and measured by Rhode & Schwarz EMI test receiver (ESIB26)



### Test Method

1) The EUT was coupled to the EMI and the base station simulator through a power divider. The radio frequency load attached to the EUT antenna terminal



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was 50 Ohm. The lost of the cables the test system is calibrated to correct the reading.

- 2) The spectrum analyzer was set to Maxpeak Detector function and Maximum hold mode.
- 3) The resolution banswidth of the spectrum analyzer was comparable to the emission bandwidth.

In GSM 850 band these measurements were done at 3 channels, channel 128, 190 and 251.

In GSM 1900 band these measurements were done at 3 channels, channel 512, 661 and 810.

### Note:

1 A fully charged battery was used during the test.

2 For GSM 850 MHz band, the ARFCN 128 (824.2 MHz), 190 (836.6 MHz) and 251 (848.8 MHz) are investigated, which are the lowest, middle and highest channel. For PCS 1900 MHz band, the ARFCN 512 (1850.2 MHz), 661 (1880.0 MHz) and 810 (1909.8 MHz) are investigated, which are the lowest, middle and highest channel.

ERP Value for GSM 850 band:

ARFCN	Peak output power
ARFCII	[dBm]
128	31.8
190	32.4
251	32.6

ERP Value for PCS 1900 band:

ARFCN	Peak output power	
ARFCIN	[dBm]	
512	29.7	
661	29.6	
810	29.9	



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2008-04-23

2008-01-04

Normal

Normal

# 4.7 Conducted Spurious Emission

R/S

Jie sai

Specifi	cations:	2.1057,22.359,24.238				
Date of	f Tests	2007.09.10				
Test co	onditions:	Ambient Temperature: 15°C-35°C				
		Relative Humidity: 30%-60%				
		Air pressure: 86-106kPa				
Operat	ion Mode	TX on, channel 128, 190, 251, 512, 661 and 810				
Test Re	esults:	Pass				
Test equipment Used:						
Asset	Description	Manufacturer	Model Number	Serial Number	Cal Due	State
Number	Description	wanuracturer	woder Number	Serial Number	Cai Due	State
7805	EMI Test Receiver	R/S	ESIB26	100211	2008-01-10	Normal

### **Limit Level Construction:**

Universal Radio

Communications

Tester

Power spliter

7330

According to Part 24.238 (a), i.e., Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB, so the limit level is: P(dBm) - (43 + 10 log(P)) dB = -13dBm

CMU200

100233

1000132

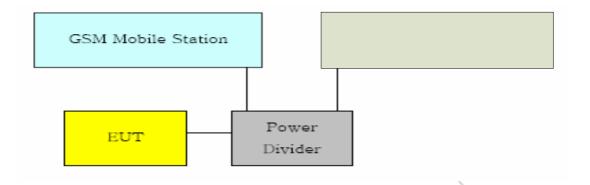
Limits for Radiated spurious emissions (UE)		
Frequency range	Limit Level /Resolution Bandwidth	
30 MHz to 20000 MHz	-13dBm/1MHz	

# Test Setup:

During the process of testing, the EUT was controlled via Rhode & Schwarz Digital Radio Communication tester (CMU-200) to ensure max power transmission and proper modulation and measured by Rhode & Schwarz EMI test receiver (ESIB26)



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### Test Method

The following steps outline the procedure used to measure the conducted emissions from the EUT.

- 1. Determine frequency range for measurements: From CFR 2.1057 the spectrum should be investigated from the lowest radio frequency generated in the equipment up to at least the 10th harmonic of the carrier frequency. For the equipment under test, this equates to a frequency range of 30 MHz to 19.1 GHz, data taken from 30 MHz to 20 GHz.
- 2. Determine EUT transmit frequencies: below outlines the band edge frequencies pertinent to conducted emissions testing.

In GSM 850 band these measurements were done at 3 channels, channel 128, 190 and 251.

In GSM 1900 band these measurements were done at 3 channels, channel 512, 661 and 810.

### Note:

- 1 A fully charged battery was used during the test.
- 2 For GSM 850 MHz band, the ARFCN 128 (824.2 MHz), 190 (836.6 MHz) and 251 (848.8 MHz) are investigated, which are the lowest, middle and highest channel. For PCS 1900 MHz band, the ARFCN 512 (1850.2 MHz), 661 (1880.0 MHz) and 810 (1909.8 MHz) are investigated, which are the lowest, middle and highest channel.



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### **Test Results for GSM mode:**

Out of band emission		
Frequency		Level
[MHz]		(dBm)
3346.4		nf
4183.0		nf
3760.0		nf
9400.0		nf
5640.0		nf
7520.0		nf
9400.0		nf
11101.2		nf
1259	1.4	nf
14801.6		nf
16651.8		nf
18502.0		nf
Band-edge emission		
EUT Channel		Level [dBm]
190	-16.09	
661		-16.58
nf: noise floor	A	



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# **Annex A External Photos**



Front view



Back view



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Socket

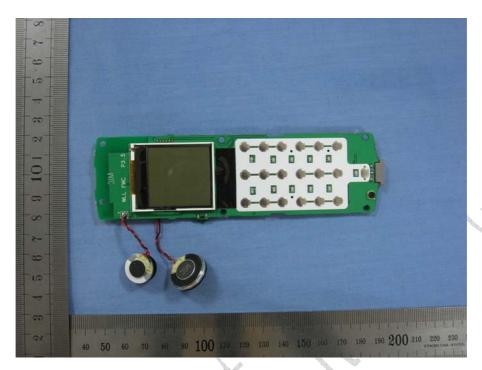


Adaptor

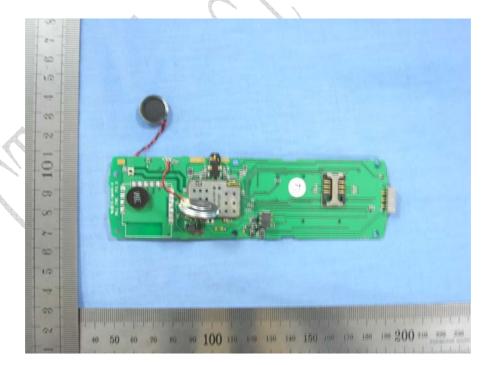


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# **Annex B Internal Photos**



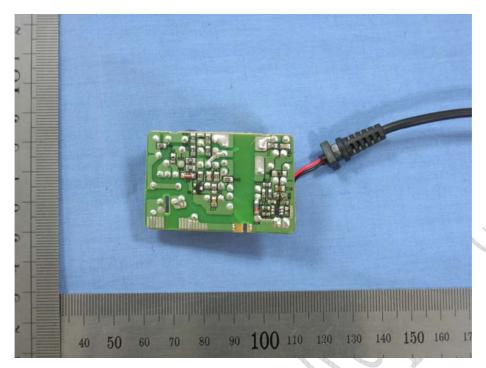
Front view of the internal structure



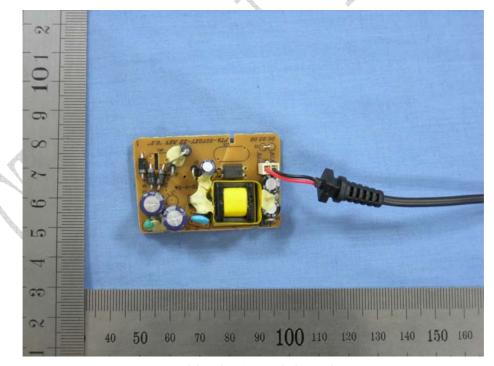
Back view of the internal structure



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Internal front view of adaptor



Internal back view of the adaptor



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# **ANNEX C Deviations from Prescribed Test Methods**

No deviation from Prescribed Test Methods.

