

Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 1 of 83

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

INTENTIONAL RADIATOR CERTIFICATION TO FCC PART 22 SUBPART H and PART 24 SUBPART E

	OF
Product Name:	GSM 850/1900 mobile phone
Brand Name:	Alcatel
Model Name:	U71A
FCC ID:	RAD056
Report No.:	ER/2007/40021
Issue Date:	May. 24, 2007
FCC Rule Part:	2 , 22H & 24E
Prepared for	T&A mobile phones
	3/F,B2 Block,Digital Technology Yard, Gaoxin Nan Qi Road,Nan Shan District, Shenzhen,Guangdong,P.R.China
Prepared by	SGS Taiwan Ltd.
	No. 134, Wu Kung Rd., Wuku Industrial Zone, Taipei County, Taiwan.

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Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 2

VERIFICATION OF COMPLIANCE

T&A mobile phones

Applicant:	3/F,B2 Block,Digital Technology Yard, Gaoxin Nan Qi Road,Nan Shan
	District, Shenzhen, Guangdong, P.R. China
Product Name:	GSM 850/1900 mobile phone
FCC ID Number:	RAD056
Brand Name:	Alcatel
Model No.:	U71A
Model Difference:	N/A
File Number:	ER/2007/40021
Date of test:	Apr. 20, 2007 ~ May. 23, 2007
Date of EUT Received:	Apr. 19, 2007

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in TIA/EIA-603-1-1998 and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits of FCC Rule FCC PART 22 subpart H and FCC PART 24 subpart E.

The test results of this report relate only to the tested sample identified in this report.

Test By:	Sky Wang	Date	May. 24, 2007
	Sky Wang/ Engineer	_	SUP
Prepared By:	Gigi yeh	Date	May. 24, 2007
_	Gigi Yeh/ Clerk	_	
Approved By:	Timent du	Date	May. 24, 2007
_	Vincent Su / Manager		

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Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 3

Version



Version No.	Date
00	May. 24, 2007



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Table of Contents

1.	GEN	NERAL INFORMATION	6
	1.1	Product Description	6
	1.2	Related Submittal(s) / Grant (s)	7
	1.3	Test Methodology	7
	1.4	Test Facility	7
	1.5	Special Accessories	7
	1.6	Equipment Modifications	7
2.	SYS	TEM TEST CONFIGURATION	8
	2.1	EUT Configuration	
	2.2	EUT Exercise	
	2.3	Test Procedure	8
	2.4	Configuration of Tested System	9
3.	SUN	IMARY OF TEST RESULTS	. 10
4.	DES	CRIPTION OF TEST MODES	. 10
5.	RF	POWER OUTPUT MEASUREMENT	. 11
	5.1	Standard Applicable	
	5.2	Test Set-up:	. 11
	5.3	Measurement Procedure	. 11
	5.4	Measurement Equipment Used:	. 12
	5.5	Measurement Result	. 12
6.	ERF	P, EIRP MEASUREMENT	. 13
	6.1	Standard Applicable	. 13
	6.2	Test SET-UP (Block Diagram of Configuration)	. 13
	6.3	Measurement Procedure	. 15
	6.4	Measurement Equipment Used:	. 16
	6.5	Measurement Result	
	6.6	Measurement Result	. 18
7.	99%	OCCUPIED BANDWIDTH MEASUREMENT	. 19
	7.1	Standard Applicable	. 19
	7.2	Test Set-up:	. 19
	7.3	Measurement Procedure	. 19
	7.4	Measurement Equipment Used:	. 20
	7.5	Measurement Result:	. 20

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8.	OUT	OF BAND EMISSION AT ANTENNA TERMINALS	
	8.1	Standard Applicable	
	8.2	Test SET-UP	25
	8.3	Measurement Procedure	25
	8.4	Measurement Equipment Used:	
	8.5	Measurement Result	27
9.	FIEL	D STRENGTH OF SPURIOUS RADIATION MEASUREMENT	
	9.1	Standard Applicable	
	9.2	EUT Setup (Block Diagram of Configuration)	
	9.3	Measurement Procedure	
	9.4	Measurement Equipment Used:	
	9.5	Measurement Result	
10.	FRE	QUENCY STABILITY V.S. TEMPERATURE MEASUREMENT	
	10.1	Standard Applicable	51
	10.2	Test Set-up:	51
	10.3	Measurement Procedure	51
	10.4	Measurement Equipment Used:	
	10.5	Measurement Result	53
11.	FRE	QUENCY STABILITY V.S. VOLTAGE MEASUREMENT	
	11.1	Standard Applicable	
	11.2	Test Set-up:	
	11.3	Measurement Procedure	54
	11.4	Measurement Equipment Used:	55
	11.5	Measurement Result	56
12.	AC P	POWER LINE CONDUCTED EMISSION TEST	
	12.1	Standard Applicable	57
	12.2	EUT Setup	
	12.3	Measurement Procedure	57
	12.4	Measurement Equipment Used:	
	12.5	Measurement Result	
AP	PEND	IX 1 PHOTOGRAPHS OF SET UP	
AP	PEND	IX 2 PHOTOGRAPHS OF EUT	

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1. GENERAL INFORMATION

1.1 Product Description

Product Name	GSM 850/1900 mobile phone
Model Name	U71A
Model Difference:	N/A
Brand Name	Alcatel
Power Supply	 3.7 Vdc re-chargeable battery, or 5Vdc by AC/DC power adaptor Adaptor1: ALCTEL, Model:S002EU040030 Adaptor2: ALCTEL, Model:3DS09371AGAA Adaptor3: ALCTEL, Model:3DS01628AGAA
Simple Hands-Free (SHF)	One provide. Mode No.: N/A
Data lead (USB)	N/A

GSM:

Frequency Range and	GSM 850: 824MHz –849MHz	33 dBm
Power	GSM 1900: 1850MHz –1910MHz	30 dBm
Type of Emission	300KGXW	
Software Version	N/A	
Hardware Version	N/A	
IMEI	011138000000716	262



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Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 7

1.2 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: <u>**RAD056**</u> filing to comply with Section Part 22 subpart H and Part 24 subpart E of the FCC CFR 47 Rules.

1.3 Test Methodology

Both conducted and radiated testing were performed according to the procedures document on chapter 13 of ANSI C63.4 (2003) and FCC CFR 47.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055 and 2.1057.

1.4 Test Facility

The open area test site and conducted measurement facility used to collect the radiated data is located on the address of SGS Taiwan Ltd. No. 134, Wu Kung Rd., Wuku Industrial Zone, Taipei Country, Taiwan. The Open Area Test Sites and the Line Conducted labs are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4: 2003 and CISPR 22/EN 55022 requirements. Site No. 1(3 &10 meters) Registration Number: 94644, Both OATS and Anechoic chamber (3 meters) was accredited by TAF (0513). Canada Registration Number: 4620A-1

1.5 Special Accessories

Not available for this EUT intended for grant.

1.6 Equipment Modifications

Not available for this EUT intended for grant.



2. SYSTEM TEST CONFIGURATION

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The EUT (Transmitter) was operated in the engineering mode to fix the Tx frequency which was for the purpose of the measurements.

2.3 Test Procedure

2.3.1 Conducted Emissions

The EUT is placed on a turn table which is 0.8 m above ground plane. According to the requirements in Section 7 and 13 of ANSI C63.4-2003.Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and Average detector mode.

2.3.2 Radiated Emissions

The EUT is placed on a turn table which is 1.0 m above ground plane. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes according to the requirements in Section 8 and 13 of ANSI C63.4-2003.

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2.4 Configuration of Tested System



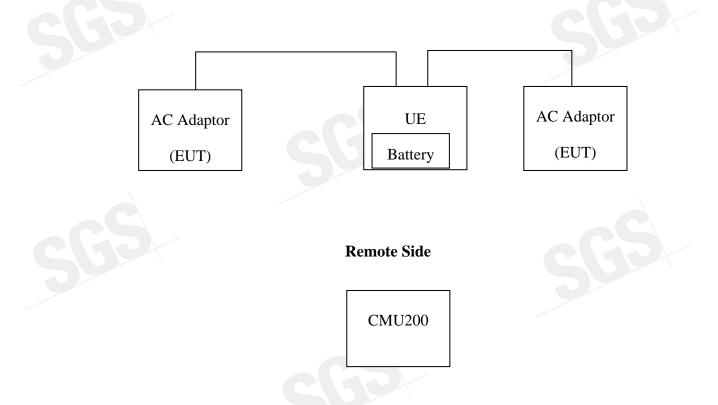


Table 2-1 Equipment Used in Tested System

Téores	Equipment	Mfr/Brand	Model/	Corrigg No.	Data Cable	
Item			Type No.	Series No.		Power Cord
1	Universal Radio Com- munication Tester	R&S	CMU200	102189	shielded	Un-shielded
			\ \			
			C			

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3. SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§2.1046(a)		
§22.913(a)	RF Power Output	Compliant
§24.232(a)		
§2.1046(a)		
§22.913(a)	ERP/ EIRP measurement	Compliant
§24.232(a)		
§2.1049(h)	99% Occupied Bandwidth	Compliant
§2.1051	Out of Band Emissions at Antenna	
§22.917(a)	Terminals and	Compliant
§24.238(a)	Band Edge	
§2.1053		
§22.917(a)	Field Strength of Spurious Radiation	Compliant
§24.238(a)		
§2.1055(a)(1)(b)	Frequency Stability vs. Temperature	Compliant
§2.1055(d)(1)(2)	Frequency Stability vs. Voltage	Compliant
§15.107;§15.207	AC Power Line Conducted Emission	Compliant

4. DESCRIPTION OF TEST MODES

The EUT has been tested under operating condition.

EUT staying in continuous transmitting mode. Channel Low, Mid and High for each type band with rated data rate were chosen for full testing.

The field strength of spurious radiation emission was measured as EUT stand-up position (E1 mode) and lie down position (E1, E2 mode) for both GSM and GPRS with all power adaptors, earphone and Data cable. The worst-case H mode for GSM 850 band and E1 mode for GSM 1900 band with adaptor for channel Low, Mid and High at GSM mode was reported.

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5. RF POWER OUTPUT MEASUREMENT

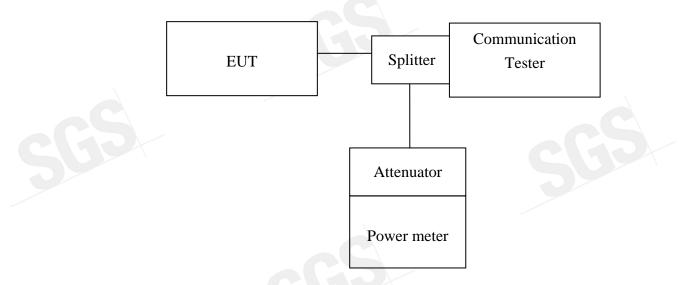
5.1 Standard Applicable

According to FCC §2.1046.

FCC 22.913(a) Mobile station are limited to 7W.

FCC 24.232(b) Mobile station are limited to 2W.

5.2 Test Set-up:



Note: Measurement setup for testing on Antenna connector

5.3 Measurement Procedure

The transmitter output was connected to a calibrated attenuator, the other end of which was connected to a power meter. Transmitter output was read off the power meter in dBm. The power output at the transmitter antenna port was determined by adding the value of the attenuator to the power meter reading.

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5.4 Measurement Equipment Used:

Conducted Emission Test Site						
EQUIPMENT	LAST	CAL DUE.				
ТҮРЕ		NUMBER	NUMBER	CAL.		
Spectrum Analyzer	Agilent	E4446A	MY43360126	03/29/2007	03/28/2008	
Spectrum Analyzer	Agilent	E7405A	US41160416	06/28/2006	06/29/2007	
Spectrum Analyzer	R&S	FSP 40	100034	11/09/2006	11/10/2007	
Communication Test	R&S	SMU200	N/A	N/A	N/A	
Power Sensor	Anritsu	MA2490A	31431	06/28/2006	06/29/2007	
Power Meter	Anritsu	ML2487A	6K00002070	06/28/2006	06/29/2007	
Temperature Chamber	TERCHY	MHG-120LF	911009	10/14/2006	10/13/2007	
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA	N/A	N/A	N/A	
Attenuator	Mini-Circult	BW-S10W5	N/A	09/23/2006	09/22/2007	
Attenuator	Mini-Circult	BW-S6W5	N/A	09/23/2006	09/22/2007	
Splitter	Agilent	11636B	51728	09/23/2006	09/22/2007	
DC Power Supply	TOPWARD	3303A	N/A	N/A	N/A	

5.5 Measurement Result

EUT Mode	Frequency (MHz)	СН	Power meter Reading (dBm)	Path Loss (dB)	Peak Power (dBm)
	824.20	128	14.54	16.70	31.24
GSM 850	836.60	190	14.58	16.70	31.28
	848.80	251	14.62	16.70	31.32

EUT Mode	Frequency (MHz)			Path Loss (dB)	Peak Power (dBm)
	1850.20	512	12.98	16.70	29.68
PCS 1900	1880.00	661	13.03	16.70	29.73
	1909.80	810	13.16	16.70	29.86

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6. ERP, EIRP MEASUREMENT

6.1 Standard Applicable

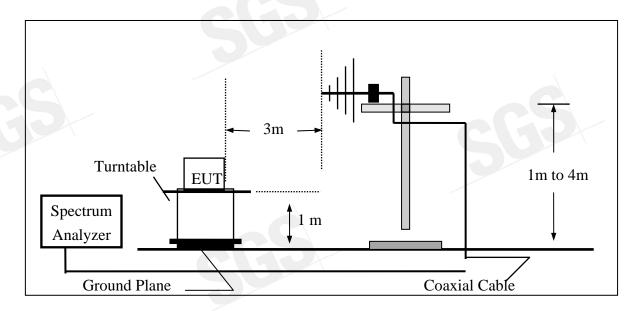
According to FCC §2.1046

FCC 22.913(a) Mobile station are limited to 7W ERP.

FCC 24.232(b) Mobile station are limited to 2W EIRP.

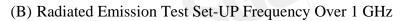
6.2 Test SET-UP (Block Diagram of Configuration)

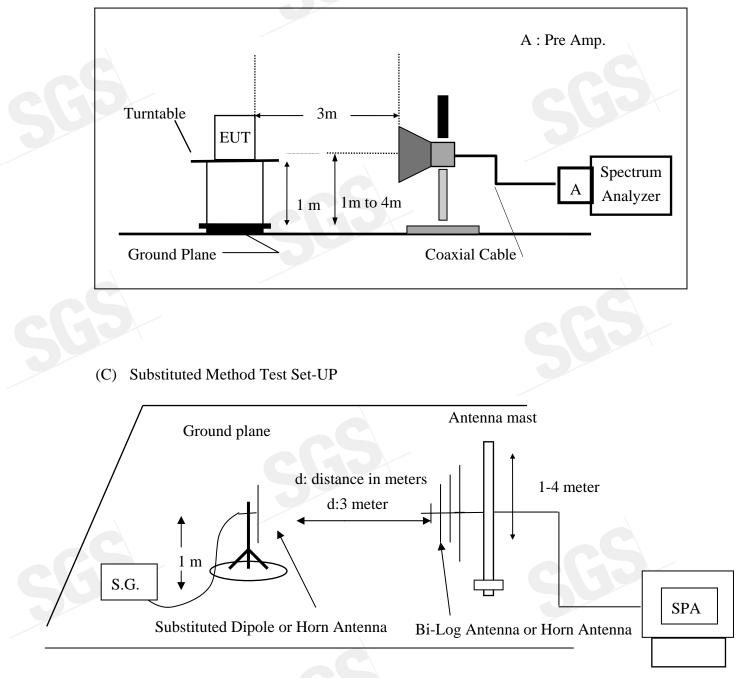
(A) Radiated Emission Test Set-Up, Frequency Below 1000MHz



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Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 15

6.3 Measurement Procedure

The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.

During the measurement, the EUT was communication with the station. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calculated.

ERP in frequency band 824.2 –848.80.8MHz were measured using a substitution method. The EUT was replaced by dipole antenna connected, the S.G. output was recorded and ERP was calculated as follows:

EIRP in frequency band 1850.2 –1909.8MHz were measured using a substitution method. The EUT was replaced by or horn antenna connected, the S.G. output was recorded and EIRP was calculated as follows:

ERP = S.G. output (dBm) + Antenna Gain (dBd) – Cable Loss (dB)

EIRP = S.G. output (dBm) + Antenna Gain (dBi) - Cable Loss (dB)

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Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 16

EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.
TYPE		NUMBER	NUMBER	CAL.	1
Spectrum Analyzer	Agilent	E4446A	MY43360126	03/29/2007	03/28/2008
Spectrum Analyzer	Agilent	7405A	US41160416	06/28/2006	06/29/2007
Spectrum Analyzer	R&S	FSP 40	100034	11/09/2006	11/10/2007
Communication Test	R&S	SMU200	N/A	N/A	N/A
Bilog Antenna	SCHWAZBECK	VULB9163	152	06/03/2006	06/02/2007
Horn antenna	Schwarzbeck	BBHA 9120D	309/320	08/16/2006	08/15/2007
Pre-Amplifier	HP	8447D	2944A09469	07/19/2006	07/18/2007
Pre-Amplifier	HP	8494B	3008A00578	02/26/2007	02/25/2008
Signal Generator	R&S	SMR40	100210	02/09/2007	02/10/2008
Turn Table	HD	DT420	N/A	N.C.R	N.C.R
Antenna Tower	HD	MA240-N	240/657	N.C.R	N.C.R
Controller	HD	HD100	N/A	N.C.R	N.C.R
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA-10M	10m	10/09/2006	10/08/2007
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA-3M	3m	10/09/2006	10/08/2007
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA-0.5M	0.5m	10/09/2006	10/08/2007
Site NSA	SGS	966 chamber	N/A	11/17/2006	11/16/2007
Attenuator	Mini-Circult	BW-S10W5	N/A	09/23/2006	09/22/2007
Dipole Antenna	Schwarzbeck	VHAP	908/909	06/10/2006	06/11/2007
Dipole Antenna	Schwarzbeck	UHAP	891/892	06/10/2006	06/11/2007
Horn antenna	Schwarzbeck	BBHA 9120D	N/A	08/16/2006	08/15/2007

6.4 Measurement Equipment Used:





6.5 Measurement Result

EUT Mode	Frequency (MHz)	СН	EUT Pol.	Antenna Pol.	SPA Reading (dBuV)	S.G. Output (dBm)	Antenna Gain (dBd)	Cable Loss (dB)	ERP (dBm)	Limit (dBm)
				V	115.56	29.17	-7.87	3.62	17.67	38.45
	7		Н	Н	126.43	40.16	-7.87	3.62	28.66	38.45
			E1	V	122.36	35.97	-7.87	3.62	24.47	38.45
	824.20	128	EI	Н	120.73	34.46	-7.87	3.62	22.96	38.45
			E2	V	117.23	30.84	-7.87	3.62	19.34	38.45
			E2	Н	123.02	36.75	-7.87	3.62	25.25	38.45
	836.60		Н	V	118.73	32.48	-7.88	3.65	3.65 20.95 3	38.45
1		190	п	Н	129.32	43.09	-7.88	3.65	31.56	38.45
			E1	V	126.33	40.08	-7.88	3.65	28.55	38.45
GSM 850				Н	121.30	35.07	-7.88	3.65	23.54	38.45
			E2	V	116.46	30.21	-7.88	3.65	18.68	38.45
			EZ	Н	123.32	37.09	-7.88	3.65	25.56	38.45
			Н	V	122.10	35.98	-7.88	7.88 3.68 24.42	24.42	38.45
			п	Н	130.27	44.08	-7.88	3.68	32.52	38.45
	848.80	251	E1	V	129.40	43.28	-7.88	3.68	31.72	38.45
	040.00	251	EI	Н	123.71	37.52	-7.88	3.68	25.96	38.45
			E2	V	116.30	30.18	-7.88	3.68	18.62	38.45
			E2	Н	118.40	32.21	-7.88	3.68	20.65	38.45

Remark :

(1) The RBW, VBW of SPA for frequency

Below 1GHz was RBW=100 KHz, VBW=300KHz,

Above 1GHz was RBW= 1MHz, VBW= 3MHz

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6.6 Measurement Result

EUT Mode	Frequency (MHz)	СН	EUT Pol.	Antenna Pol.	SPA Reading (dBuV)	S.G. Output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	EIRP (dBm)	Limit (dBm)
			**	V	123.80	19.41	9.90	5.56	23.75	33.00
			Н	Н	127.98	23.80	9.90	5.56	28.14	33.00
			E1	V	129.98	25.59	9.90	5.56	29.93	33.00
	1850.20	512	EI	Н	121.23	17.05	9.90	5.56	21.39	33.00
			EO	V	120.45	16.06	9.90	5.56	20.40	33.00
			E2	Н	126.42	22.24	9.90	5.84	26.30	33.00
	1220.00	<i>cc</i> 1	H	V	124.42	20.06	9.99	5.61	24.44	33.00
				Н	128.00	23.86	9.99	5.61	28.23	33.00
				V	130.65	26.29	9.99	5.61	30.67	33.00
PCS 1900	1880.00	661	E1	Н	121.31	17.17	9.99	5.61	21.54	33.00
			EO	V	123.09	18.73	9.99	5.61	23.11	33.00
			E2	Н	126.93	22.79	9.99	5.61	27.16	33.00
				V	125.90	21.57	10.08	5.66	25.99	33.00
			Н	Н	128.99	24.88	.88 10.08	5.66	29.30	33.00
	1000.90	010	E 1	V	131.43	27.10	10.08	5.66	31.52	33.00
	1909.80	80 810	E1	Н	121.97	17.86	10.08	5.66	22.28	33.00
			EO	V	124.05	19.72	10.08	5.66	24.14	33.00
				E2	Н	129.22	25.11	10.08	5.66	29.53

Remark :

(1) The RBW, VBW of SPA for frequency

Below 1GHz was RBW=100 KHz, VBW=300KHz,

Above 1GHz was RBW= 1MHz, VBW= 3MHz

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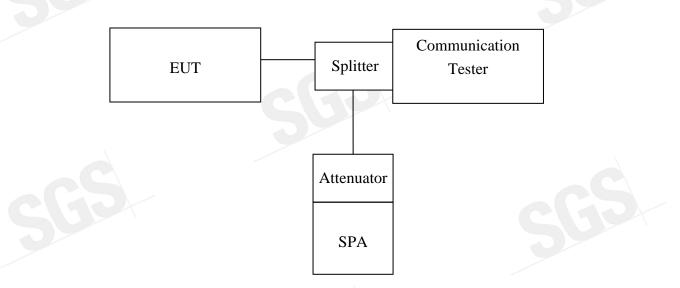


7. 99% OCCUPIED BANDWIDTH MEASUREMENT

7.1 Standard Applicable

According to §FCC 2.1049.

7.2 Test Set-up:



Note: Measurement setup for testing on Antenna connector

7.3 Measurement Procedure

The EUT's output RF connector was connected with a short cable to the spectrum analyzer, RBW (10/30KHz) was set to about 1% of emission BW, VBW= 3 times RBW(30/100KHz), -26dBc display line was placed on the screen (or 99% bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace.

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7.4 Measurement Equipment Used:

Conducted Emission Test Site								
EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.			
ТҮРЕ		NUMBER	NUMBER	CAL.				
Spectrum Analyzer	Agilent	E4446A	MY43360126	03/29/2007	03/28/2008			
Spectrum Analyzer	Agilent	7405A	US41160416	06/28/2006	06/29/2007			
Power Sensor	Anritsu	MA2490A	31431	06/28/2006	06/29/2007			
Power Meter	Anritsu	ML2487A	6K00002070	06/28/2006	06/29/2007			
Temperature Chamber	TERCHY	MHG-120LF	911009	11/11/2006	11/12/2007			
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA	N/A	N/A	N/A			
Attenuator	Mini-Circult	BW-S10W5	N/A	10/07/2006	10/06/2007			
Attenuator	Mini-Circult	BW-S6W5	N/A	10/07/2006	10/06/2007			
Splitter	Mini-Circult	ZFSC-2-10G	N/A	10/07/2006	10/06/2007			
Signal Generator	R&S	SMR40	100210	11/09/2006	11/10/2007			
DC Power Supply	Agilent	6038A	2929A-07548	01/06/2007	01/05/2008			

7.5 Measurement Result:.

EUT Mode	Frequency (MHz)	СН	99% Bandwidth (MHz)
GSM 850	824.20	128	0.2400
	836.60	190	0.2460
	848.80	251	0.2430

EUT Mode	Frequency (MHz)	СН	99% Bandwidth (MHz)
	1850.20	512	0.2390
PCS 1900	1880.00	661	0.2420
	1909.80	810	0.2440

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Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 21

Figure 7-1: GSM Channel Low

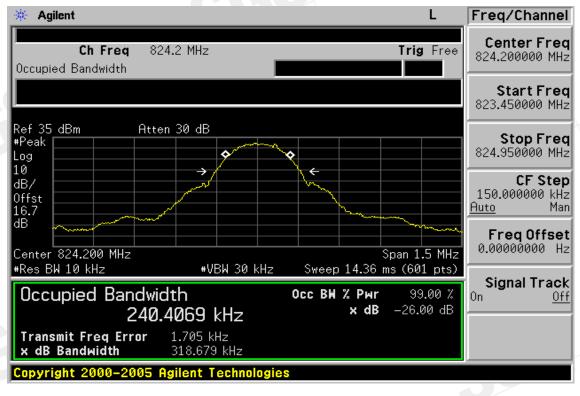
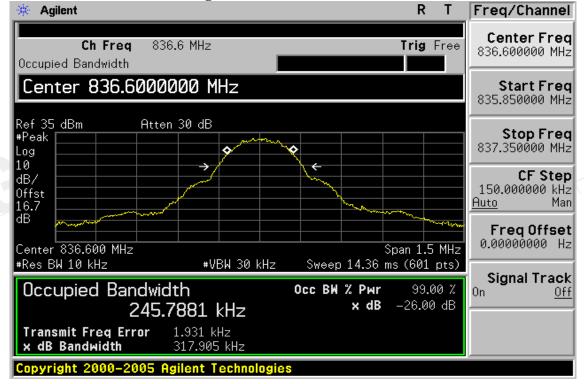


Figure 7-2 GSM Channel Mid

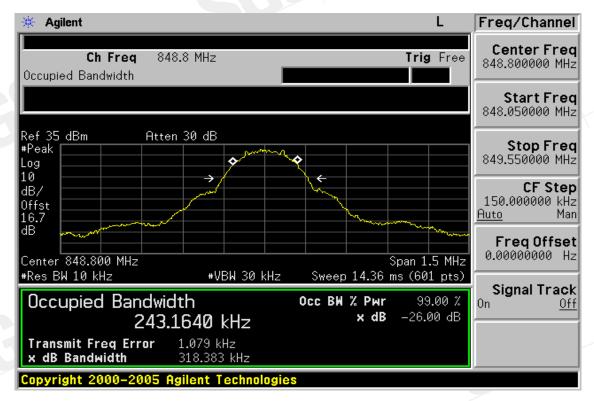


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Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 22



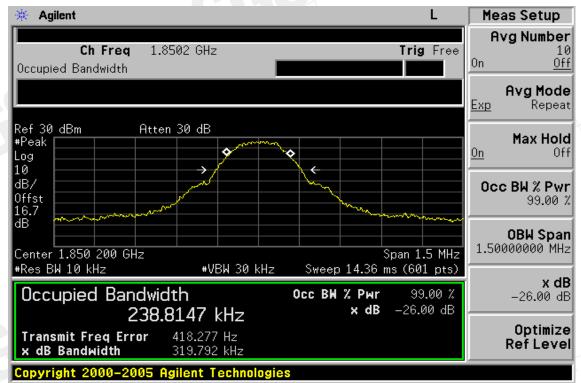


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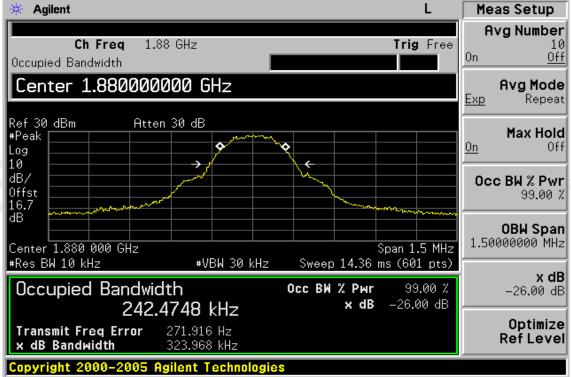


Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 23

Figure 7-4: PCS Channel Low





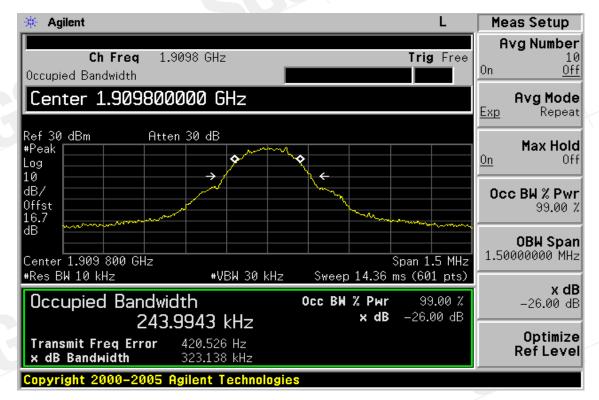


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Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 24

Figure 7-6: PCS Channel High



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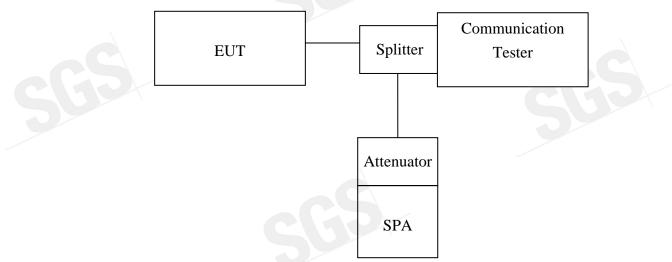
8. OUT OF BAND EMISSION AT ANTENNA TERMINALS

8.1 Standard Applicable

According to FCC §2.1051.

FCC 22.917(a), 24.238(a), the magnitude of each spurious and harmonic emission that can be detected when the equipment is operated under the conditions specified in the instruction manual and/ or alignment procedure, shall not be less than 43 + 10 log (mean output power in watts) dBc below the mean power output outside a license's frequency block (-13dBm)

8.2 Test SET-UP



Note: Measurement setup for testing on Antenna connector

8.3 Measurement Procedure

The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.

For the out of band: Set the RBW, VBW = 1MHz, Start=30MHz, Stop= 10 th harmonic. Limit = -13dBm

Band Edge Requirements: In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions. Limit, -13dBm.

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8.4 Measurement Equipment Used:

Conducted Emission Test Site								
EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.			
ТҮРЕ		NUMBER	NUMBER	CAL.				
Spectrum Analyzer	Agilent	E4446A	MY43360126	03/29/2007	03/28/2008			
Spectrum Analyzer	Agilent	7405A	US41160416	06/28/2006	06/29/2007			
Power Sensor	Anritsu	MA2490A	31431	06/28/2006	06/29/2007			
Power Meter	Anritsu	ML2487A	6K00002070	06/28/2006	06/29/2007			
Temperature Chamber	TERCHY	MHG-120LF	911009	11/11/2006	11/12/2007			
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA	N/A	N/A	N/A			
Attenuator	Mini-Circult	BW-S10W5	N/A	10/07/2006	10/06/2007			
Attenuator	Mini-Circult	BW-S6W5	N/A	10/07/2006	10/06/2007			
Splitter	Mini-Circult	ZFSC-2-10G	N/A	10/07/2006	10/06/2007			
Signal Generator	R&S	SMR40	100210	11/09/2006	11/10/2007			
DC Power Supply	Agilent	6038A	2929A-07548	01/06/2007	01/05/2008			

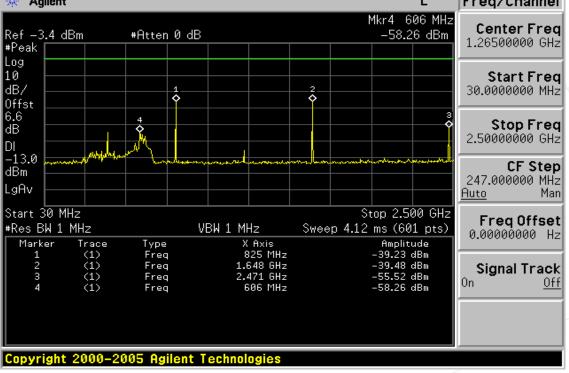
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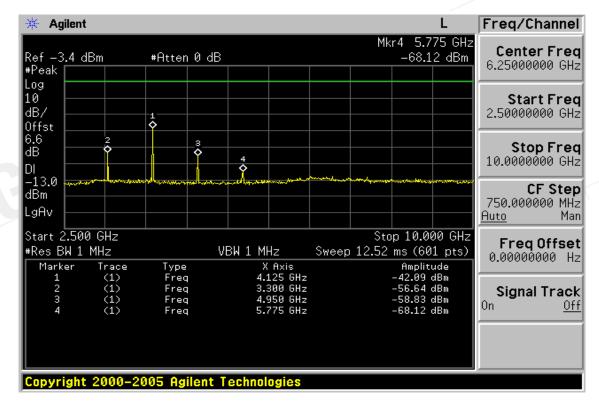


Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 27

8.5 Measurement Result

Figure 8-1: Out of Band emission at antenna terminals– GSM Channel Lowest





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Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 28

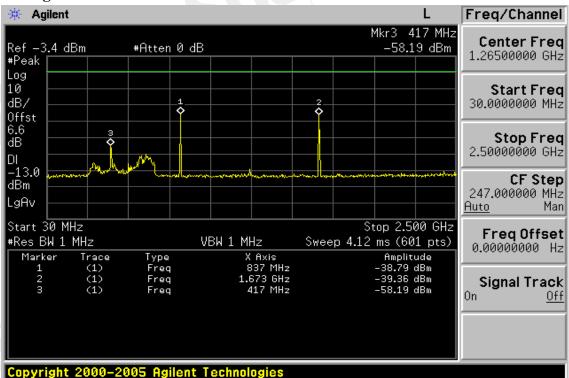
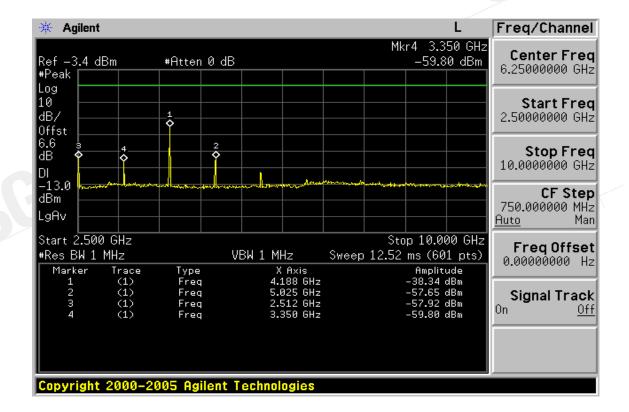


Figure 8-2: Out of Band emission at antenna terminals –GSM Channel Mid



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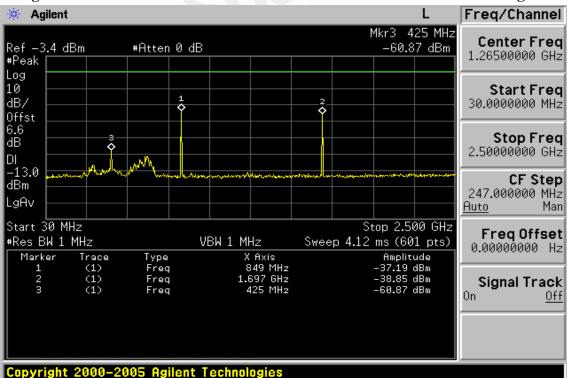
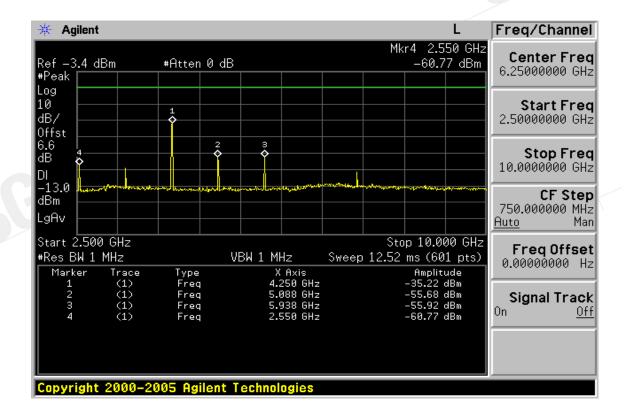


Figure 8-3: Out of Band emission at antenna terminals-GSM Channel Highest



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Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 30

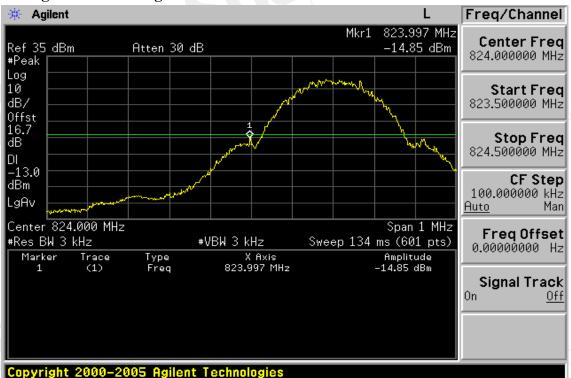


Figure 8-4: Bad edge emission at antenna terminals – GSM Channel Lowest





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Report No.: ER/2007/40021 Issue Date: May. 24, 2007 **Page: 31**

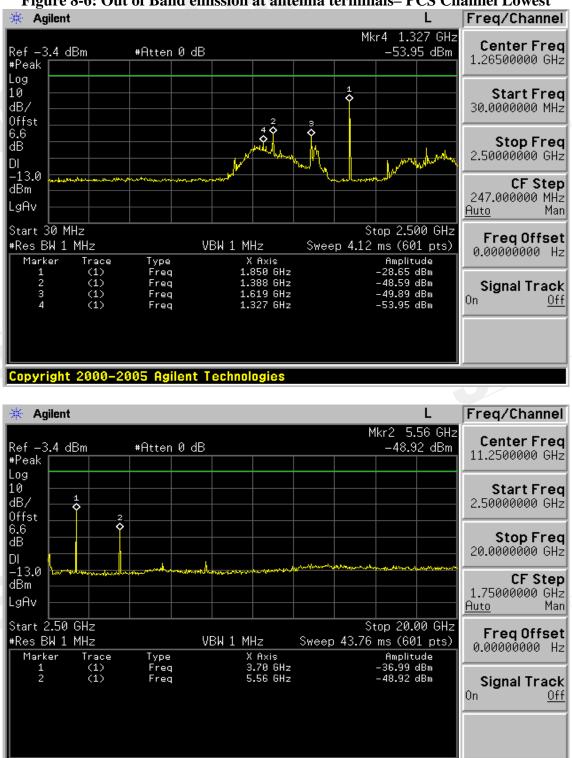


Figure 8-6: Out of Band emission at antenna terminals– PCS Channel Lowest

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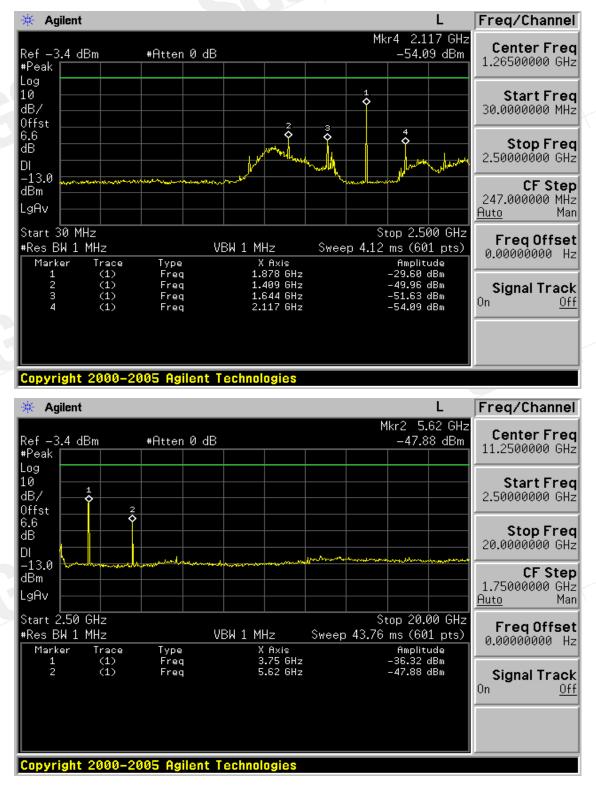


Figure 8-7: Out of Band emission at antenna terminals –PCS Channel Mid

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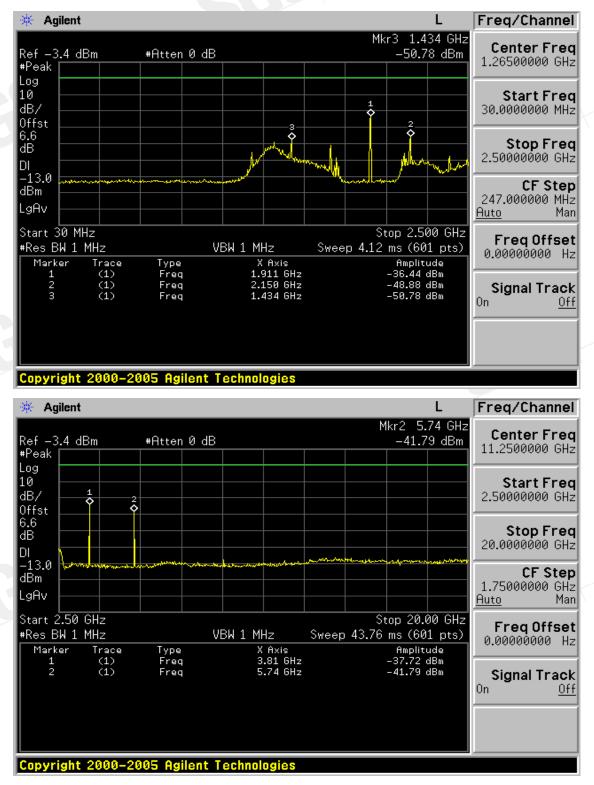


Figure 8-8: Out of Band emission at antenna terminals-PCS Channel Highest

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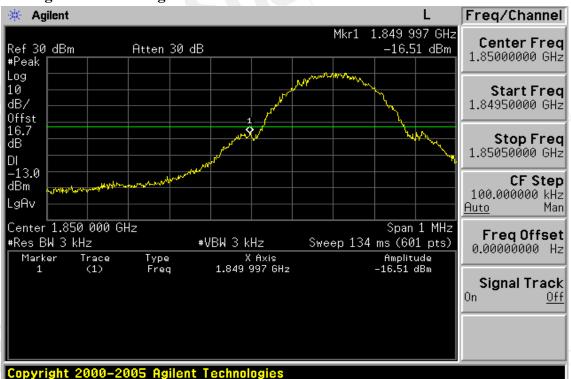
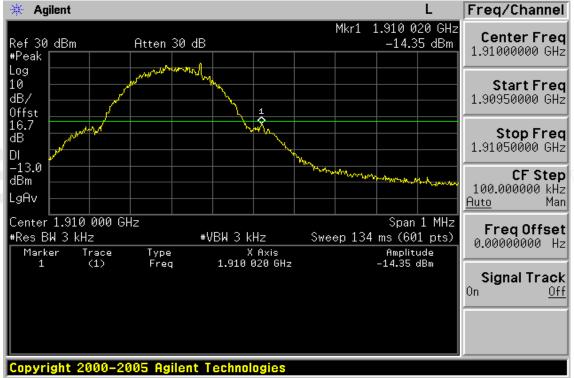


Figure 8-9: Bad edge emission at antenna terminals – PCS Channel Lowest

Figure 8-10: Band edge emission at antenna terminals – PCS Channel Highest



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9. FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

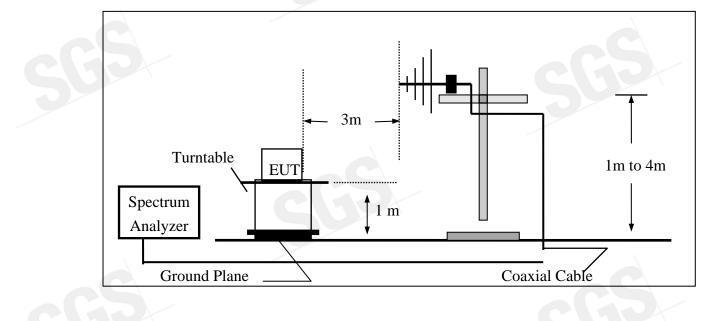
9.1 Standard Applicable

According to FCC §2.1053,

FCC 22.917(a), 24.238(a), the magnitude of each spurious and harmonic emission that can be detected when the equipment is operated under the conditions specified in the instruction manual and/ or alignment procedure, shall not be less than 43 + 10 log (mean output power in watts) dBc below the mean power output outside a license's frequency block (-13dBm)

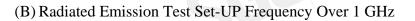
9.2 EUT Setup (Block Diagram of Configuration)

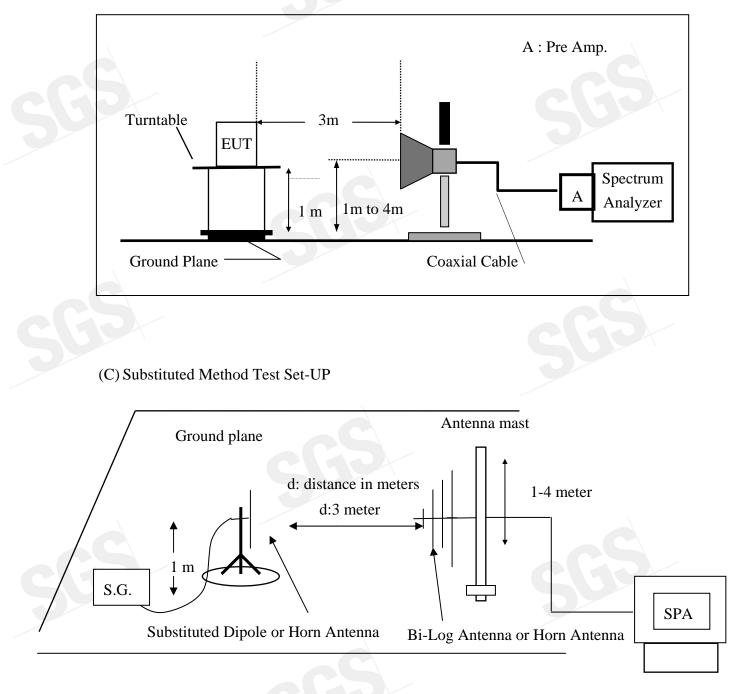
(A) Radiated Emission Test Set-Up, Frequency Below 1000MHz



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Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 37

9.3 Measurement Procedure

The EUT was placed on a non-conductive, The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission were identified, the power of the emission was determined using the substitution method.

The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

EIRP = S.G. output (dBm) + Antenna Gain(dBi) – Cable Loss (dB)



9.4 Measurement Equipment Used:

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	Agilent	E4446A	MY43360126	03/29/2007	03/28/2008
Spectrum Analyzer	Agilent	E7405A	US41160416	08/27/2006	08/26/2007
Bilog Antenna	SCHWAZBECK	VULB9163	152	06/03/2006	06/02/2007
Horn antenna	Schwarzbeck	BBHA 9120D	309/320	08/16/2006	08/15/2007
Pre-Amplifier	HP	8447D	2944A09469	07/19/2006	07/18/2007
Pre-Amplifier	HP	8494B	3008A00578	02/26/2007	02/25/2008
Signal Generator	R&S	SMR40	100210	02/09/2007	02/10/2008
Turn Table	HD	DT420	N/A	N.C.R	N.C.R
Antenna Tower	HD	MA240-N	240/657	N.C.R	N.C.R
Controller	HD	HD100	N/A	N.C.R	N.C.R
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA-10M	10m	10/09/2006	10/08/2007
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA-3M	3m	10/09/2006	10/08/2007
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA-0.5M	0.5m	10/09/2006	10/08/2007
Site NSA	SGS	966 chamber	N/A	11/17/2006	11/16/2007
Site NSA	SGS	10m Open-Site	N/A	10/02/2006	10/01/2007
Attenuator	Mini-Circult	BW-S10W5	N/A	10/07/2006	10/06/2007
Temperature Chamber	TERCHY	MHG-120LF	911009	10/14/2006	10/13/2007
Dipole Antenna	Schwarzbeck	VHAP	908/909	06/10/2006	06/11/2007
Dipole Antenna	Schwarzbeck	UHAP	891/892	06/10/2006	06/11/2007
Horn antenna	Schwarzbeck	BBHA 9120D	N/A	08/16/2006	08/15/2007

9.5 Measurement Result

Refer to attach tabular data sheets.



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 39

Radiated Spurious Emission Measurement Result: GSM 850 Mode

Operation Mode	: TX CH Low H Mode	Test Date:	May. 16, 2007
Fundamental Frequency	: 824.20 MHz	Test By:	Sky
Temperature	: 25°C	Pol:	Ver
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out- put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
31.94	49.91	V	-54.23	-6.43	0.94	-61.60	-13.00	-48.60
65.89	42.67	V	-68.92	-0.83	1.12	-70.87	-13.00	-57.87
101.78	47.16	V	-54.60	-7.76	1.37	-63.72	-13.00	-50.72
153.19	33.46	V	-64.12	-7.80	1.60	-73.52	-13.00	-60.52
824.00	67.67	V	-18.72	-7.87	3.62	-30.22	-13.00	-17.22
1648.40	52.04	V	-52.54	9.29	5.23	-48.48	-13.00	-35.48
2472.60		V		10.08	6.53		-13.00	
3296.80	X	V		12.17	7.71		-13.00	
4121.00		V		12.61	8.86		-13.00	
4945.20		V		12.65	9.74		-13.00	
5769.40		V		13.55	10.54		-13.00	
6593.60		V		12.05	11.30		-13.00	
7417.80		V		11.49	12.10		-13.00	
8242.00		V		11.48	12.71		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark :

- 1 The emission behaviour belongs to narrowband spurious emission.
- 2 Remark"----" means that the emission level is too low to be measured
- 3 The result basic equation calculation is as follows:
- 4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) Cable loss (dB)



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 40

Radiated Spurious Emission Measurement Result: GSM 850 Mode

Operation Mode	: TX CH Low H Mode	Test Date:	May. 16, 2007
Fundamental Frequency	: 824.20 MHz	Test By:	Sky
Temperature	: 25°C	Pol:	Hor
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out- put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
41.64	47.16	Н	-56.35	-2.31	0.93	-59.59	-13.00	-46.59
65.89	45.68	Н	-66.17	-0.83	1.12	-68.12	-13.00	-55.12
101.78	44.32	Н	-58.49	-7.76	1.37	-67.62	-13.00	-54.62
128.94	33.35	Н	-66.62	-7.78	1.49	-75.90	-13.00	-62.90
824.00	77.26	Н	-9.01	-7.87	3.62	-20.51	-13.00	-7.51
1648.40	56.40	Н	-48.00	9.29	5.23	-43.94	-13.00	-30.94
2472.60		Н		10.08	6.53		-13.00	
3296.80		Н		12.17	7.71		-13.00	
4121.00		Н		12.61	8.86		-13.00	
4945.20		Н		12.65	9.74		-13.00	
5769.40		Н		13.55	10.54		-13.00	
6593.60		Н		12.05	11.30		-13.00	
7417.80		Н		11.49	12.10		-13.00	
8242.00		Н		11.48	12.71		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark :

1 The emission behaviour belongs to narrowband spurious emission.

2 Remark"----" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) - Cable loss (dB)



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 41

Radiated Spurious Emission Measurement Result: GSM 850 Mode

Operation Mode	: TX CH Mid H Mode	Test Date:	May. 16, 2007
Fundamental Frequency	: 836.60 MHz	Test By:	Sky
Temperature	: 25°C	Pol:	Ver
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out- put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
31.94	49.99	V	-54.15	-6.43	0.94	-61.52	-13.00	-48.52
65.89	41.65	V	-69.94	-0.83	1.12	-71.89	-13.00	-58.89
101.78	45.17	V	-56.59	-7.76	1.37	-65.71	-13.00	-52.71
153.19	33.26	V	-64.32	-7.80	1.60	-73.72	-13.00	-60.72
1673.20	50.42	V	-54.14	9.36	5.27	-50.04	-13.00	-37.04
2509.80		V		10.09	6.58		-13.00	
3346.40	40.63	V	-58.23	12.28	7.79	-53.75	-13.00	-40.75
4183.00	43.86	V	-52.03	12.62	8.93	-48.34	-13.00	-35.34
5019.60		V		12.67	9.81		-13.00	
5856.20		V		13.68	10.62		-13.00	
6692.80		V		11.95	11.39		-13.00	
7529.40		V		11.45	12.20		-13.00	
8366.00		V		11.59	12.81		-13.00	

	30MHz - 80MHz: 5.04dB
Measurement uncertainty	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark :

1 The emission behaviour belongs to narrowband spurious emission.

2 Remark"----" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) - Cable loss (dB)



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 42

Radiated Spurious Emission Measurement Result: GSM 850 Mode

Operation Mode	: TX CH Mid H Mode	Test Date:	May. 16, 2007
Fundamental Frequency	: 836.60 MHz	Test By:	Sky
Temperature	: 25°C	Pol:	Hor
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out- put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
38.73	47.10	Н	-56.09	-3.25	0.90	-60.24	-13.00	-47.24
67.83	44.88	Н	-67.18	-0.95	1.14	-69.27	-13.00	-56.27
101.78	44.93	Н	-57.88	-7.76	1.37	-67.01	-13.00	-54.01
130.88	33.34	Н	-66.43	-7.78	1.50	-75.72	-13.00	-62.72
1673.20	54.45	Н	-49.93	9.36	5.27	-45.83	-13.00	-32.83
2509.80		Н		10.09	6.58		-13.00	
3346.40	39.20	Н	-59.86	12.28	7.79	-55.38	-13.00	-42.38
4183.00	47.14	Н	-48.89	12.62	8.93	-45.20	-13.00	-32.20
5019.60		Н		12.67	9.81		-13.00	
5856.20		Н		13.68	10.62		-13.00	
6692.80		Н		11.95	11.39		-13.00	
7529.40		Н		11.45	12.20		-13.00	
8366.00		Н		11.59	12.81		-13.00	

	30MHz - 80MHz: 5.04dB
Measurement uncertainty	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark :

1 The emission behaviour belongs to narrowband spurious emission.

2 Remark"----" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) - Cable loss (dB)



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 43

Radiated Spurious Emission Measurement Result: GSM 850 Mode

Operation Mode	: TX CH High H Mode	Test Date:	May. 16, 2007
Fundamental Frequency	: 848.80 MHz	Test By:	Sky
Temperature	: 25°C	Pol:	Ver
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out- put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
31.94	51.17	V	-52.97	-6.43	0.94	-60.34	-13.00	-47.34
60.07	46.54	V	-64.76	-0.46	1.07	-66.30	-13.00	-53.30
101.78	46.29	V	-55.47	-7.76	1.37	-64.59	-13.00	-51.59
153.19	33.72	V	-63.86	-7.80	1.60	-73.26	-13.00	-60.26
849.02	77.75	V	-8.37	-7.88	3.68	-19.93	-13.00	-6.93
1697.60	54.27	V	-50.27	9.44	5.31	-46.14	-13.00	-33.14
2546.40		V		10.20	6.63		-13.00	
3395.20	38.85	V	-60.00	12.38	7.87	-55.49	-13.00	-42.49
4244.00	42.33	V	-53.33	12.63	9.00	-49.70	-13.00	-36.70
5092.80		V		12.74	9.88		-13.00	
5941.60		V		13.81	10.70		-13.00	
6790.40		V		11.86	11.48		-13.00	
7639.20		V		11.40	12.27		-13.00	
8488.00		V		11.70	12.91		-13.00	

	30MHz - 80MHz: 5.04dB
Measurement uncertainty	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark 3

- 1 The emission behaviour belongs to narrowband spurious emission.
- 2 Remark"----" means that the emission level is too low to be measured
- 3 The result basic equation calculation is as follows:
- 4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) Cable loss (dB)



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 44

Radiated Spurious Emission Measurement Result: GSM 850 Mode

Operation Mode	: TX CH High H Mode	Test Date:	May. 16, 2007
Fundamental Frequency	: 848.80 MHz	Test By:	Sky
Temperature	: 25°C	Pol:	Hor
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out- put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
33.88	53.36	Н	-51.34	-5.52	0.93	-57.78	-13.00	-44.78
58.13	47.57	Н	-62.86	-0.49	1.08	-64.43	-13.00	-51.43
101.78	52.13	Н	-50.68	-7.76	1.37	-59.81	-13.00	-46.81
130.88	34.25	Н	-65.52	-7.78	1.50	-74.81	-13.00	-61.81
849.02	84.33	Н	-1.86	-7.88	3.68	-13.42	-13.00	-0.42
1697.60	54.35	Н	-50.00	9.44	5.31	-45.87	-13.00	-32.87
2546.40		Н		10.20	6.63		-13.00	
3395.20	41.49	Н	-57.54	12.38	7.87	-53.02	-13.00	-40.02
4244.00	43.82	Н	-51.99	12.63	9.00	-48.37	-13.00	-35.37
5092.80		Н		12.74	9.88		-13.00	
5941.60		Н		13.81	10.70		-13.00	
6790.40		Н		11.86	11.48		-13.00	
7639.20		Н		11.40	12.27		-13.00	
8488.00		Н		11.70	12.91		-13.00	

	30MHz - 80MHz: 5.04dB
Measurement uncertainty	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark 3

- 1 The emission behaviour belongs to narrowband spurious emission.
- 2 Remark"----" means that the emission level is too low to be measured
- 3 The result basic equation calculation is as follows:
- 4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) Cable loss (dB)



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 45

Radiated Spurious Emission Measurement Result: PCS 1900 Mode

Operation Mode	: TX CH Low E1 Mode	Test Date	May. 16, 2007
Fundamental Frequency	: 1850.20MHz	Test By:	Sky
Temperature	: 25°C	Pol:	Ver
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out- put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
31.94	53.05	V	-51.09	-6.43	0.94	-58.46	-13.00	-45.46
70.74	43.79	V	-67.97	-1.18	1.16	-70.32	-13.00	-57.32
101.78	45.80	V	-55.96	-7.76	1.37	-65.08	-13.00	-52.08
153.19	32.83	V	-64.75	-7.80	1.60	-74.15	-13.00	-61.15
1850.00	82.35	V	-22.04	9.90	5.56	-17.70	-13.00	-4.70
3700.40	45.31	V	-52.62	12.61	8.31	-48.32	-13.00	-35.32
5550.60		V		13.23	10.33		-13.00	
7400.80	<u> </u>	V		11.50	12.08		-13.00	
9251.00		V		11.92	13.50		-13.00	
11101.20		V		11.66	15.11		-13.00	
12951.40		V		13.63	16.60		-13.00	
14801.60		V		12.76	17.95		-13.00	
16651.80		V		15.92	19.14		-13.00	
18502.00		V		18.75	10.40		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark :

1 The emission behaviour belongs to narrowband spurious emission.

2 Remark"----" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) - Cable loss (dB)



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 46

Radiated Spurious Emission Measurement Result: PCS 1900 Mode

Operation Mode	: TX CH Low E1 Mode	Test Date	May. 16, 2007
Fundamental Frequency	: 1850.20MHz	Test By:	Sky
Temperature	: 25°C	Pol:	Hor
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out- put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
33.88	48.56	Н	-56.14	-5.52	0.93	-62.58	-13.00	-49.58
67.83	47.97	Н	-64.09	-0.95	1.14	-66.18	-13.00	-53.18
101.78	44.08	Н	-58.73	-7.76	1.37	-67.86	-13.00	-54.86
130.88	34.22	Н	-65.55	-7.78	1.50	-74.84	-13.00	-61.84
1850.00	75.19	Н	-28.99	9.90	5.56	-24.65	-13.00	-11.65
3700.40	47.26	Н	-50.78	12.61	8.31	-46.48	-13.00	-33.48
7400.80		Н		11.50	12.08		-13.00	
9251.00		Н		11.92	13.50		-13.00	
11101.20		Н		11.66	15.11		-13.00	
12951.40		Н		13.63	16.60		-13.00	
14801.60		Н		12.76	17.95		-13.00	
16651.80		Н		15.92	19.14		-13.00	
18502.00		Н		18.75	10.40		-13.00	

	30MHz - 80MHz: 5.04dB
Measurement uncertainty	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark :

1 The emission behaviour belongs to narrowband spurious emission.

2 Remark"----" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) - Cable loss (dB)



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 47

Radiated Spurious Emission Measurement Result: PCS 1900 Mode

Operation Mode	: TX CH Mid E1 Mode	Test Date	May. 16, 2007
Fundamental Frequency	: 1880MHz	Test By	Sky
Temperature	: 25°C	Pol	Ver
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out- put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
33.88	53.19	V	-50.38	-5.52	0.93	-56.83	-13.00	-43.83
70.74	44.15	V	-67.61	-1.18	1.16	-69.96	-13.00	-56.96
101.78	45.98	V	-55.78	-7.76	1.37	-64.90	-13.00	-51.90
153.19	32.95	V	-64.63	-7.80	1.60	-74.03	-13.00	-61.03
3760.00	40.27	V	-57.39	12.60	8.39	-53.17	-13.00	-40.17
7520.00		V		11.45	12.19		-13.00	
9400.00		V		11.93	13.61		-13.00	
11280.00		V		11.92	15.27		-13.00	
13160.00		V		13.33	16.71		-13.00	
15040.00		V		13.76	18.15		-13.00	
16920.00		V		15.27	19.32		-13.00	
18800.00		V		18.68	16.58		-13.00	

	30MHz - 80MHz: 5.04dB
Measurement uncertainty	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark :

- 1 The emission behaviour belongs to narrowband spurious emission.
- 2 Remark"---" means that the emission level is too low to be measured
- 3 The result basic equation calculation is as follows:
- 4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) Cable loss (dB)



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 48

Radiated Spurious Emission Measurement Result: PCS 1900 Mode

Operation Mode	: TX CH Mid E1 Mode	Test Date	May. 16, 2007
Fundamental Frequency	: 1880MHz	Test By	Sky
Temperature	: 25°C	Pol	Hor
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out- put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
33.88	48.81	Н	-55.89	-5.52	0.93	-62.33	-13.00	-49.33
67.83	47.11	Н	-64.95	-0.95	1.14	-67.04	-13.00	-54.04
101.78	44.37	Н	-58.44	-7.76	1.37	-67.57	-13.00	-54.57
130.88	33.58	Н	-66.19	-7.78	1.50	-75.48	-13.00	-62.48
3760.00	44.08	Н	-53.69	12.60	8.39	-49.48	-13.00	-36.48
7520.00		Н		11.45	12.19		-13.00	
9400.00		Н		11.93	13.61		-13.00	
11280.00		Н		11.92	15.27		-13.00	
13160.00		Н		13.33	16.71		-13.00	
15040.00		Н		13.76	18.15		-13.00	
16920.00		Н		15.27	19.32		-13.00	
18800.00		Н		18.68	16.58		-13.00	

	30MHz - 80MHz: 5.04dB
Measurement uncertainty	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark :

- 1 The emission behaviour belongs to narrowband spurious emission.
- 2 Remark"----" means that the emission level is too low to be measured
- 3 The result basic equation calculation is as follows:
- 4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) Cable loss (dB)



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 49

Radiated Spurious Emission Measurement Result: PCS 1900 Mode

Operation Mode	: TX CH High E1 Mode	Test Date	May. 16, 2007
Fundamental Frequency	: 1909.8 MHz	Test By	Sky
Temperature	: 25°C	Pol	Ver
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out- put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
33.88	53.21	V	-50.36	-5.52	0.93	-56.81	-13.00	-43.81
67.83	43.50	V	-68.19	-0.95	1.14	-70.28	-13.00	-57.28
101.78	46.86	V	-54.90	-7.76	1.37	-64.02	-13.00	-51.02
153.19	33.16	V	-64.42	-7.80	1.60	-73.82	-13.00	-60.82
1910.00	85.65	V	-18.68	10.08	5.66	-14.26	-13.00	-1.26
3981.60		V		12.60	8.69		-13.00	
5972.40		V		13.86	10.73		-13.00	
7963.20		V		11.27	12.49		-13.00	
9954.00		V		12.08	14.24		-13.00	
11944.80		V		13.08	15.87		-13.00	
13935.60		V		11.82	17.21		-13.00	
15926.40		V		17.08	18.70		-13.00	
17917.20		V		9.63	19.97		-13.00	
19908.00		V		18.88	21.24		-13.00	

	30MHz - 80MHz: 5.04dB
Measurement uncertainty	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark :

- 1 The emission behaviour belongs to narrowband spurious emission.
- 2 Remark"----" means that the emission level is too low to be measured
- 3 The result basic equation calculation is as follows:
- 4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) Cable loss (dB)



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 50

Radiated Spurious Emission Measurement Result: PCS 1900 Mode

Operation Mode	: TX CH High E1 Mode	Test Date	May. 16, 2007
Fundamental Frequency	: 1909.8 MHz	Test By	Sky
Temperature	: 25°C	Pol	Hor
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out- put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
31.94	48.50	Н	-56.80	-6.43	0.94	-64.17	-13.00	-51.17
68.83	47.40	Н	-64.77	-1.01	1.15	-66.93	-13.00	-53.93
101.78	44.80	Н	-58.01	-7.76	1.37	-67.14	-13.00	-54.14
133.79	33.83	Н	-65.64	-7.79	1.52	-74.94	-13.00	-61.94
1910.00	75.65	Н	-28.46	10.08	5.66	-24.04	-13.00	-11.04
3981.60	44.96	Н	-51.81	12.60	8.69	-47.91	-13.00	-34.91
5972.40		Н		13.86	10.73		-13.00	
7963.20		Н		11.27	12.49		-13.00	
9954.00		Н		12.08	14.24		-13.00	
11944.80		Н		13.08	15.87		-13.00	
13935.60		Н		11.82	17.21		-13.00	
15926.40		Н		17.08	18.70		-13.00	
17917.20		Н		9.63	19.97		-13.00	
17188.20		Н		14.47	19.52		-13.00	

	30MHz - 80MHz: 5.04dB
Measurement uncertainty	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark :

- 1 The emission behaviour belongs to narrowband spurious emission.
- 2 Remark"----" means that the emission level is too low to be measured
- 3 The result basic equation calculation is as follows:
- 4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) Cable loss (dB)



10. FREQUENCY STABILITY V.S. TEMPERATURE MEASUREMENT

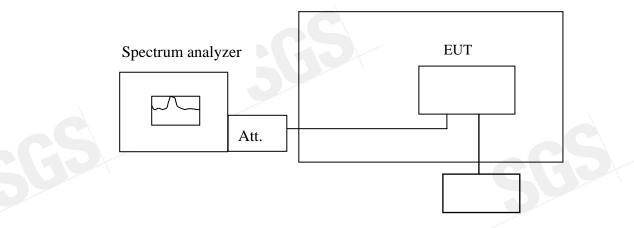
10.1 Standard Applicable

According to FCC §2.1055(a)(1)(b).

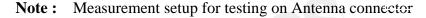
Frequency Tolerance: 2.5 ppm

10.2 Test Set-up:

Temperature Chamber



Variable Power Supply



10.3 Measurement Procedure

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25° C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30° C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10° C increased per stage until the highest temperature of $+50^{\circ}$ C reached.



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 52

10.4 Measurement Equipment Used:

	Conducted Emission Test Site											
EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.							
ТҮРЕ		NUMBER	NUMBER	CAL.								
Spectrum Analyzer	Agilent	E4446A	MY43360126	03/29/2007	03/28/2008							
Spectrum Analyzer	Agilent	7405A	US41160416	06/28/2006	06/29/2007							
Power Sensor	Anritsu	MA2490A	31431	06/28/2006	06/29/2007							
Power Meter	Anritsu	ML2487A	6K00002070	06/28/2006	06/29/2007							
Temperature Chamber	TERCHY	MHG-120LF	911009	11/11/2006	11/12/2007							
Low Loss Cable	HUBER+SUHNE R	SUCOFLEX 104PEA	N/A	N/A	N/A							
Attenuator	Mini-Circult	BW-S10W5	N/A	10/07/2006	10/06/2007							
Attenuator	Mini-Circult	BW-S6W5	N/A	10/07/2006	10/06/2007							
Splitter	Mini-Circult	ZFSC-2-10G	N/A	10/07/2006	10/06/2007							
Signal Generator	R&S	SMR40	100210	11/09/2006	11/10/2007							
DC Power Supply	Agilent	6038A	2929A-07548	01/06/2007	01/05/2008							



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 53

10.5 Measurement Result

Re	eference Frequency:	GSM Mid Channe	el 836.6 MHz @ 2	5℃
	Limit:	+/-2.5 ppm = 209	91 Hz	
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)	Delta (IIZ)	Lillint (112)
3.7	-30	836.599160	40.00	2091
3.7	-20	836.599000	200.00	2091
3.7	-10	836.598890	310.00	2091
3.7	0	836.598940	260.00	2091
3.7	10	836.599360	-160.00	2091
3.7	20	836.599200	0.00	2091
3.7	30	836.599190	10.00	2091
3.7	40	836.598840	360.00	2091
3.7	50	836.598800	400.00	2091

R	eference Frequency	: PCS Mid Channe	el 1880 MHz @ 25	°C
	Limit	: +/- 2.5 ppm = 470	00 Hz	
Power Supply	Environment	Frequency	Dolto (Uz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)	Delta (Hz)	Lillint (HZ)
3.7	-30	1879.999080	120.00	4700
3.7	-20	1879.999960	-760.00	4700
3.7	-10	1879.998290	910.00	4700
3.7	0	1879.998230	970.00	4700
3.7	10	1879.999050	150.00	4700
3.7	20	1879.999200	0.00	4700
3.7	30	1879.998820	380.00	4700
3.7	40	1879.998470	730.00	4700
3.7	50	1879.998450	750.00	4700

Note: The battery is rated 3.7V dc.



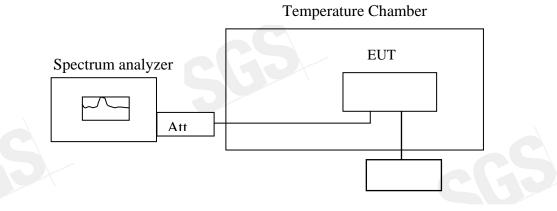
11. FREQUENCY STABILITY V.S. VOLTAGE MEASUREMENT

11.1 Standard Applicable

According to FCC §2.1055(d)(1)(2)

Frequency Tolerance: 2.5 ppm

11.2 Test Set-up:



Variable DC Power Supply

Note: Measurement setup for testing on Antenna connector

11.3 Measurement Procedure

Set chamber temperature to 25° C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specified extreme voltage variation (+/- 15%) and endpoint, record the maximum frequency change.



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 55

11.4 Measurement Equipment Used:

	Conducted Emission Test Site											
EQUIPMENT	MFR	MFR MODEL SERIAL		LAST	CAL DUE.							
ТҮРЕ		NUMBER	NUMBER	CAL.								
Spectrum Analyzer	Agilent	E4446A	MY43360126	03/29/2007	03/28/2008							
Spectrum Analyzer	Agilent	7405A	US41160416	06/28/2006	06/29/2007							
Power Sensor	Anritsu	MA2490A	31431	06/28/2006	06/29/2007							
Power Meter	Anritsu	ML2487A	6K00002070	06/28/2006	06/29/2007							
Temperature Chamber	TERCHY	MHG-120LF	IHG-120LF 911009		11/12/2007							
Low Loss Cable	HUBER+SUHNE R	SUCOFLEX 104PEA	N/A	N/A	N/A							
Attenuator	Mini-Circult	BW-S10W5	N/A	10/07/2006	10/06/2007							
Attenuator	Mini-Circult	BW-S6W5	N/A	10/07/2006	10/06/2007							
Splitter	Mini-Circult	ZFSC-2-10G	N/A	10/07/2006	10/06/2007							
Signal Generator	R&S	SMR40	100210	11/09/2006	11/10/2007							
DC Power Supply	Agilent	6038A	2929A-07548	01/06/2007	01/05/2008							



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 56

11.5 Measurement Result

Re	Reference Frequency: GSM Mid Channel 836.6 MHz @ 25℃										
	Limit: +/- 2.5 ppm = 2091 Hz										
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)							
Vdc	Temperature (°C)	(MHz)	Della (HZ)	Lillint (HZ)							
3.70	25.00	836.599610	0.00	2091.00							
3.60	25.00	836.598980	630.00	2091.00							
3.50	25.00	836.599280	330.00	2091.00							
3.40	25.00	826 508000	(20.00)	2001.00							
(End Point)	25.00	836.598990	620.00	2091.00							

F	Reference Frequency: PCS Mid Channel 1880 MHz @ 25°C										
	Limit: +/- 2.5 ppm = 4700 Hz										
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)							
Vdc	Temperature (°C)	(MHz)	Delta (HZ)	Limit (Hz)							
3.70	25	1879.99874	0.00	4700							
3.60	25	1879.99890	-160.00	4700							
3.50	25	1879.99988	-1140.00	4700							
3.40	25	1970 0000	260.00	4700							
(Endpoint)	25	1879.9990	-260.00	4700							

Note: The battery is rated 3.7V dc.



12. AC POWER LINE CONDUCTED EMISSION TEST

12.1 Standard Applicable

According to §15.207. The emission value for frequency within 150KHz to 30MHz shall not exceed criteria of below chart.

	Lim	nits				
Frequency range	dB(uV)					
MHz	Quasi-peak	Average				
0.15 to 0.50	66 to 56	56 to 46				
0.50 to 5	56	46				
5 to 30	60	50				
Note						
1. The lower limit shall apply at the tr	ansition frequencies					

2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

12.2 EUT Setup

- 1. The conducted emission tests were performed in the test site, using the setup in accordance with the ANSI C63.4-2001.
- 2. The EUT was plug-in DC power adaptort and was placed on the center of the back edge on the test table. The peripherals like earphone was placed on the side of the EUT. The rear of the EUT and peripherals were placed flushed with the rear of the tabletop.
- 3. The Power adaptor was connected with 110Vac/60Hz power source.

12.3 Measurement Procedure

- 1. The EUT was placed on a table which is 0.8m above ground plane.
- 2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 3. Repeat above procedures until all frequency measured were complete.



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 58

12.4 Measurement Equipment Used:

	Conducted Emission Test Site											
EQUIPMENT	MFR MODEL		SERIAL	LAST	CAL DUE.							
ТҮРЕ		NUMBER	NUMBER	CAL.								
EMC Analyzer	HP	8594EM	3624A00203	09/02/2006	09/03/2007							
EMI Test Receiver	R&S	ESCS30	828985/004	06/09/2006	06/10/2007							
Transient Limiter	HP	11947A	3107A02062	09/02/2006	09/03/2007							
LISN	Rolf-Heine	NNB-2/16Z	99012	12/31/2006	12/30/2007							
LISN	Rolf-Heine	NNB-2/16Z	99013	12/24/2006	12/23/2007							
Coaxial Cables	N/A	No. 3, 4	N/A	12/24/2006	12/23/2007							

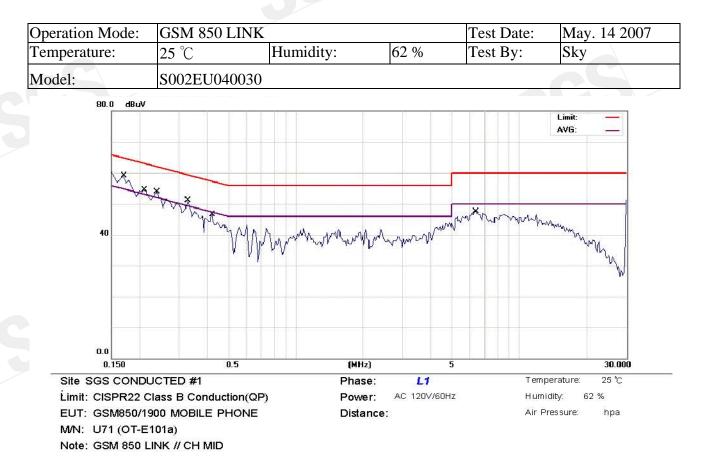
12.5 Measurement Result

The initial step in collecting conducted data is a spectrum analyzer peak scan of the measurement range. Significant peaks are then marked as shown on the following data page, and these signals are then quasi-peaked.



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 59

AC POWER LINE CONDUCTED EMISSION TEST DATA



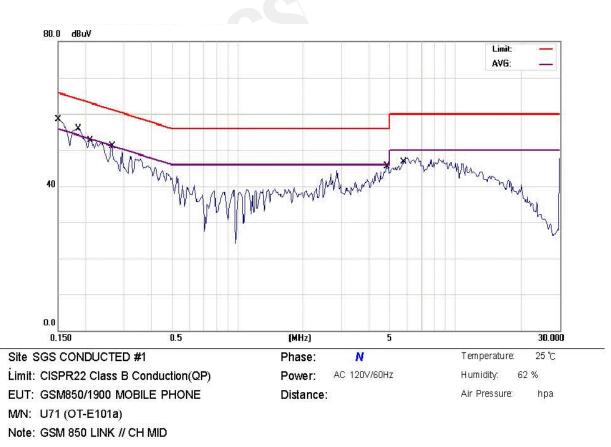
No.	Mk.	Freq.	Reading Level	Factor	Measure- ment	Limit	Over		
		MHz	dBu∀	dB	dBuV	dBu∀	dB	Detector	Comment
1		0.1700	48.73	0.72	49.45	64.96	-15.51	QP	
2	*	0.1700	42.38	0.72	43.10	54.96	-11.86	AVG	
3		0.2100	43.19	0.02	43.21	63.21	-20.00	QP	
4		0.2100	12.53	0.02	12.55	53.21	-40.66	AVG	
5		0.2400	41.39	0.02	41.41	62.10	-20.69	QP	
6		0.2400	12.77	0.02	12.79	52.10	-39.31	AVG	
7		0.3300	36.84	0.02	36.86	59.45	-22.59	QP	
8		0.3300	19.37	0.02	19.39	49.45	-30.06	AVG	
9		0.4250	38.97	0.02	38.99	57.35	-18.36	QP	
10		0.4250	27.37	0.02	27.39	47.35	-19.96	AVG	
11		6.3800	40.93	0.14	41.07	60.00	-18.93	QP	
12		6.3800	29.47	0.14	29.61	50.00	-20.39	AVG	

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Report No.: ER/2007/40021 Issue Date: May. 24, 2007 **Page: 60**

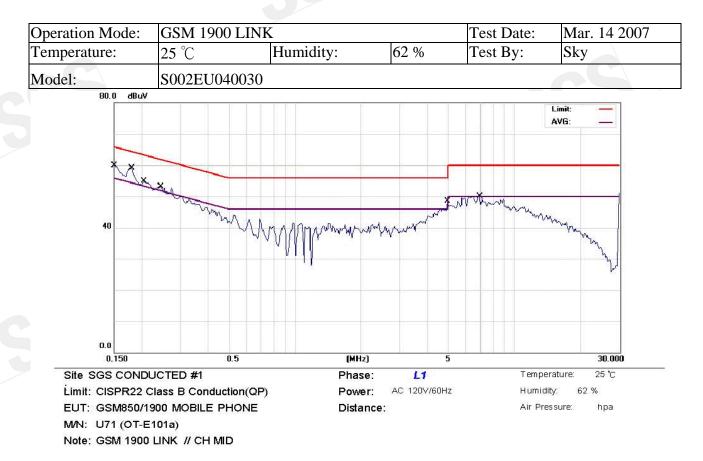


Reading Measure-Factor Limit Over No. Mk. Freq. Level ment dBuV MHz dBu∀ dB dBuV dB Detector Comment * 48.38 49.56 QP 0.1500 1.18 66.00 -16.44 1 2 0.1500 14.53 1.18 15.71 56.00 -40.29 AVG 3 0.1850 45.87 0.37 46.24 64.26 -18.02 QP 4 0.1850 13.28 0.37 13.65 54.26 -40.61 AVG 5 0.2100 43.05 0.02 43.07 63.21 -20.14QP 0.2100 14.98 15.00 -38.21 6 0.02 53.21 AVG 7 0.2650 39.69 39.71 QP 0.02 61.27 -21.56 20.70 8 0.2650 20.68 0.02 51.27 -30.57 AVG 9 35.94 36.04 QP 4.8350 0.10 56.00 -19.96 0.10 22.14 10 4.8350 22.04 46.00 -23.86 AVG 11 5.8000 35.20 0.13 35.33 60.00 -24.67 QP 12 5.8000 21.47 0.13 21.60 50.00 -28.40 AVG



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 61

AC POWER LINE CONDUCTED EMISSION TEST DATA



No.	Mk.	Freq.	Reading Level	Factor	Measure- ment	Limit	Over		
		MHz	dBu∨	dB	dBu∀	dBu∨	dB	Detector	Comment
1		0.1500	48.73	1.18	49.91	66.00	-16.09	QP	
2		0.1500	15.86	1.18	17.04	56.00	-38.96	AVG	
3		0.1800	47.20	0.49	47.69	64.49	-16.80	QP	
4	*	0.1800	38.86	0.49	39.35	54.49	-15.14	AVG	
5		0.2050	42.91	0.02	42.93	63.41	-20.48	QP	
6		0.2050	12.36	0.02	12.38	53.41	-41.03	AVG	
7		0.2450	41.43	0.02	41.45	61.92	-20.47	QP	
8		0.2450	13.00	0.02	13.02	51.92	-38.90	AVG	
9		4.9550	36.48	0.11	36.59	56.00	-19.41	QP	
10		4.9550	22.12	0.11	22.23	46.00	-23.77	AVG	
11		6.9600	41.33	0.16	41.49	60.00	-18.51	QP	
12		6.9600	28.43	0.16	28.59	50.00	-21.41	AVG	



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 **Page: 62**

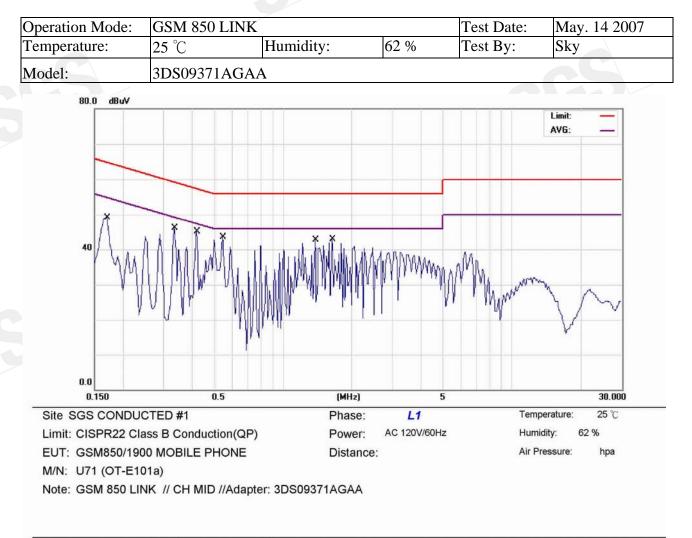


No.	Mk.	Freq.	Reading Level	Factor	Measure- ment	Limit	Over		
		MHz	dBu∨	dB	dBu∨	dBu∀	dB	Detector	Comment
1	*	0.1516	48.57	1.15	49.72	65.91	-16.19	QP	
2		0.1516	15.75	1.15	16.90	55.91	-39.01	AVG	
3		0.1800	46.39	0.49	46.88	64.49	-17.61	QP	
4		0.1800	34.48	0.49	34.97	54.49	-19.52	AVG	
5		0.2100	44.27	0.02	44.29	63.21	-18.92	QP	
6		0.2100	5.65	0.02	5.67	53.21	-47.54	AVG	
7		0.2450	41.89	0.02	41.91	61.92	-20.01	QP	
8		0.2450	6.47	0.02	6.49	51.92	-45.43	AVG	
9		5.7000	40.66	0.13	40.79	60.00	-19.21	QP	
10		5.7000	24.43	0.13	24.56	50.00	-25.44	AVG	
11		6.9400	37.25	0.16	37.41	60.00	-22.59	QP	
12		6.9400	23.29	0.16	23.45	50.00	-26.55	AVG	



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 63

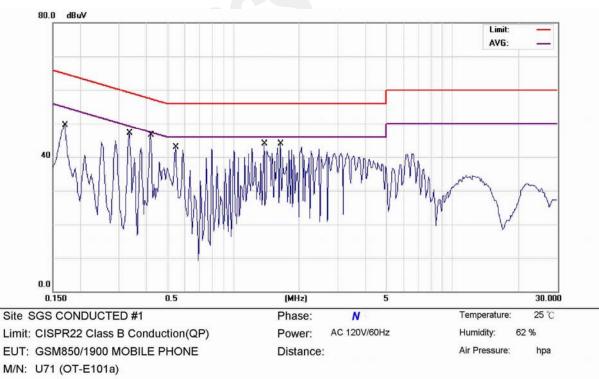
AC POWER LINE CONDUCTED EMISSION TEST DATA



No. Mk.	Freq.	Reading Level	Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1700	48.46	0.72	49.18	64.96	-15.78	QP	
2	0.3350	46.15	0.02	46.17	59.33	-13.16	QP	
3 *	0.4200	45.08	0.02	45.10	57.45	-12.35	QP	
4	0.5450	43.49	0.02	43.51	56.00	-12.49	QP	
5	1.3850	42.76	0.02	42.78	56.00	-13.22	QP	
6	1.6400	42.87	0.03	42.90	56.00	-13.10	QP	



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 64

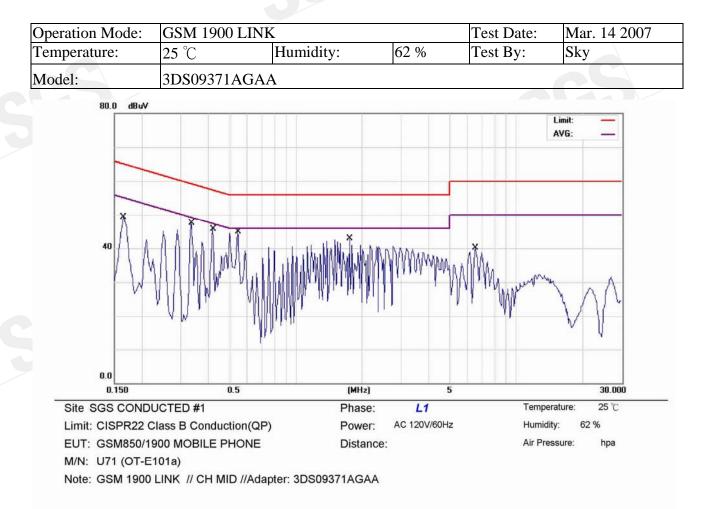


Note: GSM 850 LINK // CH MID //Adapter: 3DS09371AGAA

No.	Mk.	Freq.	Reading Level	Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1700	48.77	0.72	49.49	64.96	-15.47	QP	
2		0.3350	47.06	0.02	47.08	59.33	-12.25	QP	
3	*	0.4200	46.42	0.02	46.44	57.45	-11.01	QP	
4		0.5450	42.84	0.02	42.86	56.00	-13.14	QP	
5		1.3850	43.87	0.02	43.89	56.00	-12.11	QP	
6		1.6400	43.84	0.03	43.87	56.00	-12.13	QP	



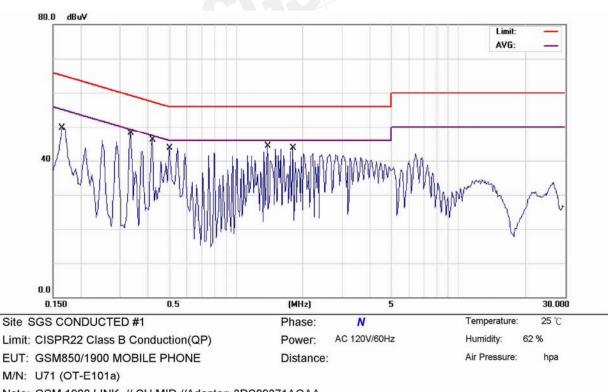
AC POWER LINE CONDUCTED EMISSION TEST DATA



No.	Mk.	Freq.	Reading Level	Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment	
1		0.1650	48.49	0.83	49.32	65.21	-15.89	QP		
2		0.3350	47.39	0.02	47.41	59.33	-11.92	QP		
3		0.4200	45.75	0.02	45.77	57.45	-11.68	QP		
4	*	0.5450	44.85	0.02	44.87	56.00	-11.13	QP		
5		1.7600	42.97	0.03	43.00	56.00	-13.00	QP		
6		6.5400	39.92	0.15	40.07	60.00	-19.93	QP		



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 66



Note: GSM 1900 LINK // CH MID //Adapter: 3DS09371AGAA

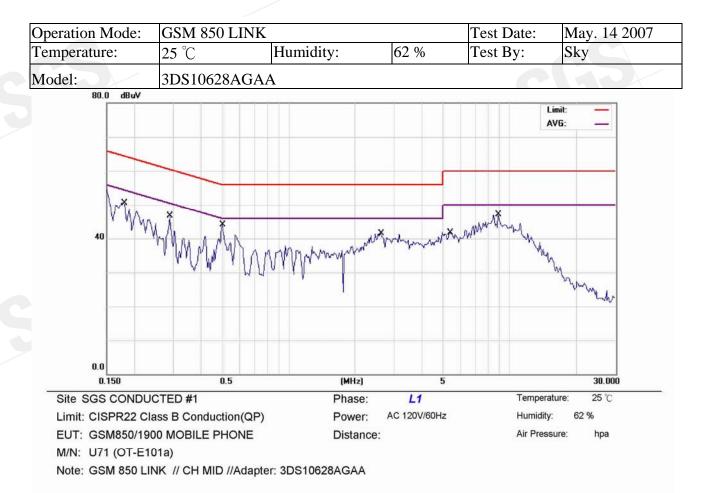
Mk.	Freq.	Reading Level	Factor	Measure- ment	Limit	Over			
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment	
	0.1650	49.69	0.01	49.70	65.21	-15.51	QP		
*	0.3350	48.16	0.02	48.18	59.33	-11.15	QP		
	0.4200	46.12	0.02	46.14	57.45	-11.31	QP		
	0.5000	43.74	0.02	43.76	56.00	-12.24	QP		
	1.3850	44.32	0.02	44.34	56.00	-11.66	QP		
	1.8050	43.62	0.03	43.65	56.00	-12.35	QP		
		MHz 0.1650 * 0.3350 0.4200 0.5000 1.3850	Mk. Freq. Level MHz dBuV 0.1650 49.69 * 0.3350 48.16 0.4200 46.12 0.5000 43.74 1.3850 44.32	Mk. Freq. Level Factor MHz dBuV dB 0.1650 49.69 0.01 * 0.3350 48.16 0.02 0.4200 46.12 0.02 0.5000 43.74 0.02 1.3850 44.32 0.02	Mk. Freq. Level Factor ment MHz dBuV dB dBuV 0.1650 49.69 0.01 49.70 * 0.3350 48.16 0.02 48.18 0.4200 46.12 0.02 46.14 0.5000 43.74 0.02 43.76 1.3850 44.32 0.02 44.34	Mk. Freq. Level Factor ment Limit MHz dBuV dB dBuV d	Mk. Freq. Level Factor ment Limit Over MHz dBuV dB dBuV dBuV dB dB dBuV dB dB <td>Mk. Freq. Level Factor ment Limit Over MHz dBuV dB dBuV dBuV dB Detector 0.1650 49.69 0.01 49.70 65.21 -15.51 QP * 0.3350 48.16 0.02 48.18 59.33 -11.15 QP 0.4200 46.12 0.02 46.14 57.45 -11.31 QP 0.5000 43.74 0.02 44.34 56.00 -12.24 QP 1.3850 44.32 0.02 44.34 56.00 -11.66 QP</td> <td>Mk. Freq. Level Factor ment Limit Over MHz dBuV dB dBuV dB Detector Comment 0.1650 49.69 0.01 49.70 65.21 -15.51 QP * 0.3350 48.16 0.02 48.18 59.33 -11.15 QP 0.4200 46.12 0.02 46.14 57.45 -11.31 QP 0.5000 43.74 0.02 44.34 56.00 -12.24 QP 1.3850 44.32 0.02 44.34 56.00 -11.66 QP</td>	Mk. Freq. Level Factor ment Limit Over MHz dBuV dB dBuV dBuV dB Detector 0.1650 49.69 0.01 49.70 65.21 -15.51 QP * 0.3350 48.16 0.02 48.18 59.33 -11.15 QP 0.4200 46.12 0.02 46.14 57.45 -11.31 QP 0.5000 43.74 0.02 44.34 56.00 -12.24 QP 1.3850 44.32 0.02 44.34 56.00 -11.66 QP	Mk. Freq. Level Factor ment Limit Over MHz dBuV dB dBuV dB Detector Comment 0.1650 49.69 0.01 49.70 65.21 -15.51 QP * 0.3350 48.16 0.02 48.18 59.33 -11.15 QP 0.4200 46.12 0.02 46.14 57.45 -11.31 QP 0.5000 43.74 0.02 44.34 56.00 -12.24 QP 1.3850 44.32 0.02 44.34 56.00 -11.66 QP





Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 67

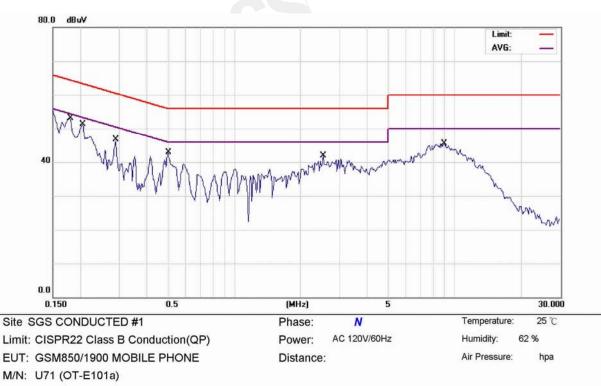
AC POWER LINE CONDUCTED EMISSION TEST DATA



No.	Mk.	Freq.	Reading Level	Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1800	50.08	0.49	50.57	64.49	-13.92	QP	
2		0.2900	46.06	0.56	46.62	60.52	-13.90	QP	
3	*	0.5000	43.41	0.65	44.06	56.00	-11.94	QP	
4		2.6150	40.65	0.88	41.53	56.00	-14.47	QP	
5		5.3800	40.66	1.02	41.68	60.00	-18.32	QP	
6		8.8800	46.04	1.11	47.15	60.00	-12.85	QP	



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 68



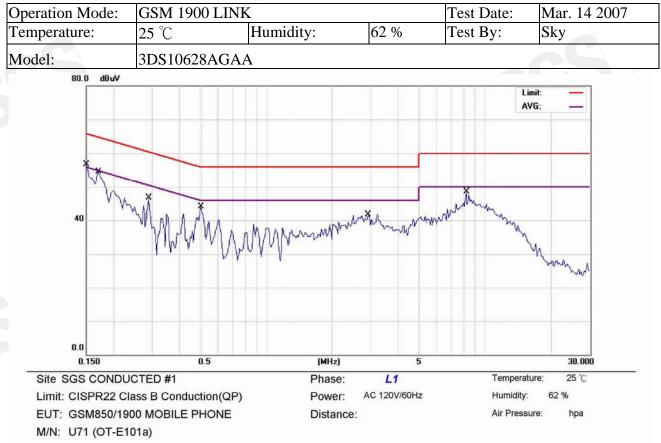
Note: GSM 850 IDLE // CH MID //Adapter: 3DS10628AGAA

No.	Mk.	Freq.	Reading Level	Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1800	52.55	0.49	53.04	64.49	-11.45	QP	
2		0.2050	50.84	0.52	51.36	63.41	-12.05	QP	
3		0.2900	46.06	0.56	46.62	60.52	-13.90	QP	
4		0.5000	42.19	0.65	42.84	56.00	-13.16	QP	
5		2.5400	40.99	0.98	41.97	56.00	-14.03	QP	
6		9.0000	44.27	1.21	45.48	60.00	-14.52	QP	



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 69

AC POWER LINE CONDUCTED EMISSION TEST DATA

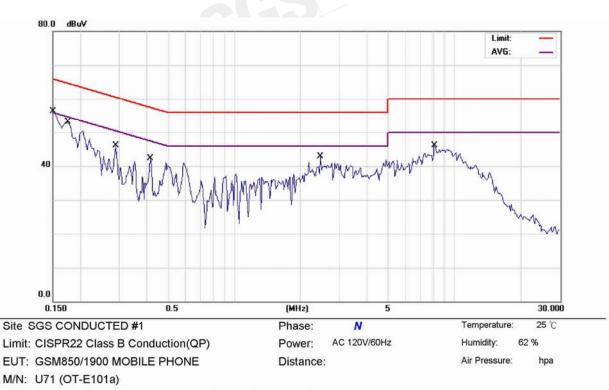


Note: GSM 1900 LINK // CH MID //Adapter: 3DS10628AGAA

No. Mk.	Freq.	Reading Level	Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1500	46.80	0.45	47.25	66.00	-18.75	QP	
2	0.1500	33.40	0.45	33.85	56.00	-22.15	AVG	
3	0.1700	48.60	0.48	49.08	64.96	-15.88	QP	
4	0.1700	37.90	0.48	38.38	54.96	-16.58	AVG	
5	0.2900	46.24	0.56	46.80	60.52	-13.72	QP	
6	0.5000	43.41	0.65	44.06	56.00	-11.94	QP	
7	2.9300	40.84	0.90	41.74	56.00	-14.26	QP	
8 *	8.2600	47.40	1.09	48.49	60.00	-11.51	QP	



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 **Page: 70**



Note: GSM 1900 LINK // CH MID //Adapter: 3DS10628AGAA

No.	Mk.	Freq.	Reading Level	Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	46.20	0.45	46.65	66.00	-19.35	QP	
2		0.1500	34.80	0.45	35.25	56.00	-20.75	AVG	
3	*	0.1750	52.69	0.48	53.17	64.72	-11.55	QP	
4		0.2900	45.45	0.56	46.01	60.52	-14.51	QP	
5		0.4150	41.64	0.63	42.27	57.55	-15.28	QP	
6		2.4650	41.94	0.97	42.91	56.00	-13.09	QP	
7		8.1400	44.83	1.19	46.02	60.00	-13.98	QP	



Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 71



APPENDIX 1

PHOTOGRAPHS OF SET UP

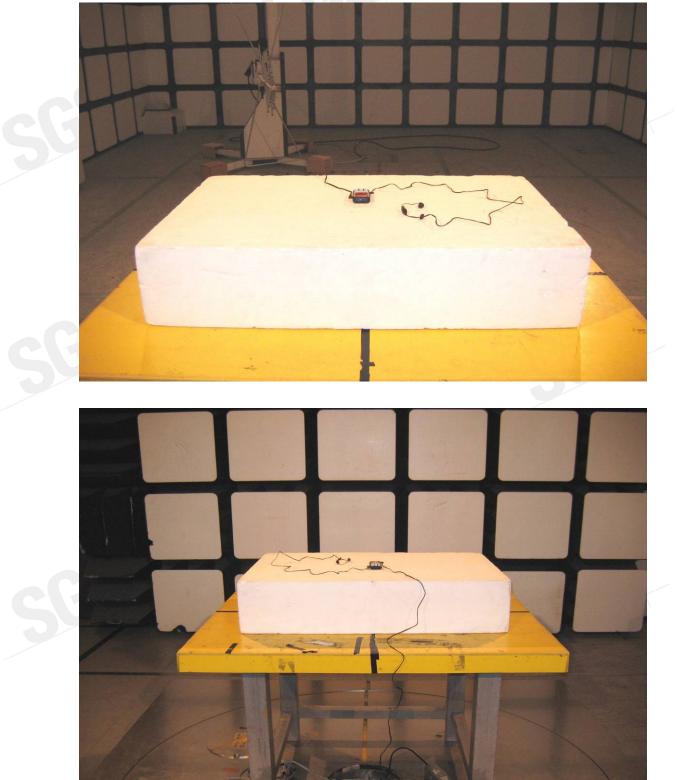
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Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 72

Radiated Emission Set up Photos



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Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 73

Conducted Emission Set up Photo





Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 74



APPENDIX 2

PHOTOGRAPHS OF EUT

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Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 75

All View of EUT



Front View of EUT





Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 76

Back View of EUT





Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 77

Site View of EUT – 2



Site View of EUT – 3





Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 78

Site View of EUT – 4



Adaptor (Model: S002EU040030)





Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 79

Adaptor (Model: 3DS09371AGAA)



Adaptor (Model: 3DS10628AGAA)





Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 80

Open View of EUT – 1



Open View of EUT – 2



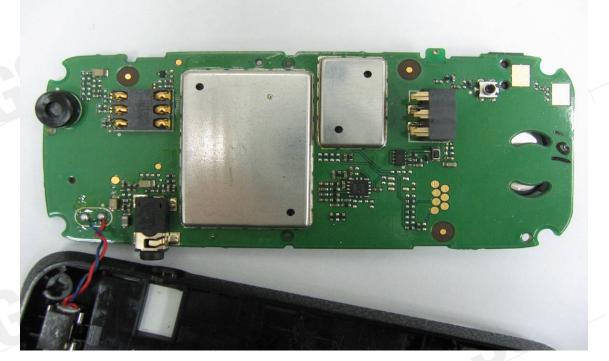
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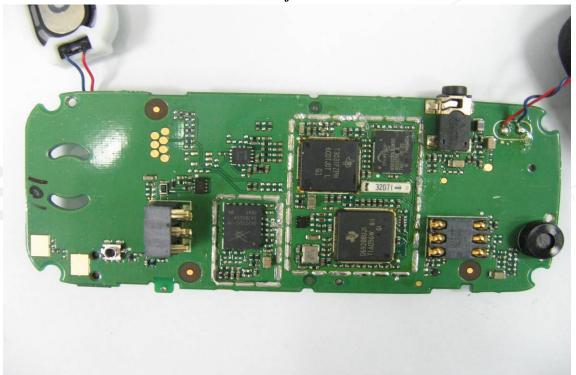


Report No.: ER/2007/40021 Issue Date: May. 24, 2007 **Page: 81**

Internal of EUT - 1



Internal of EUT – 2



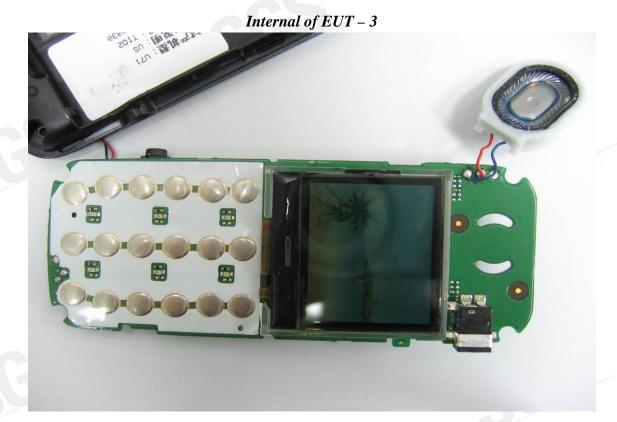
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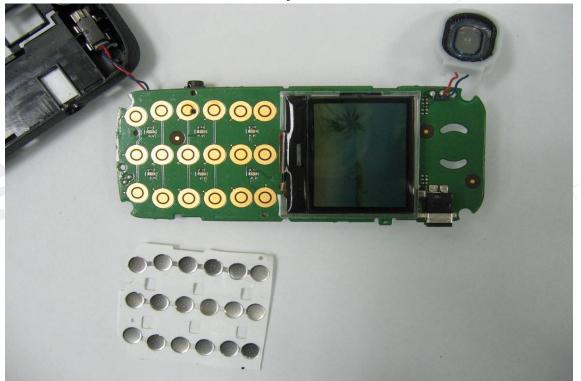
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Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 82



Internal of EUT – 4



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Report No.: ER/2007/40021 Issue Date: May. 24, 2007 Page: 83

Internal of EUT - 5

