

Report No.: ER/2007/80037-01

Issue Date: Sep. 19, 2007

Page: 1 of 67

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

INTENTIONAL RADIATOR CERTIFICATION TO FCC PART 15 SUBPART C REQUIREMENT

OF

Product Name: BC2006S4

Brand Name: SAGEM

Model Name: BC2006S4

Model Differences: N/A

FCC ID: M9HBC06S4

Report No.: ER/2007/80037-01

Issue Date: Sep. 19, 2007

FCC Rule Part: §15.247

Application: Sagem Mobiles

2, rue du Petit Albi, BP 28250,

95801 CERGY PONTOISE Cedex

Prepared by: SGS Taiwan Ltd.

No. 134, Wu Kung Rd., Wuku Industrial

Zone, Taipei County, Taiwan.





lesting Laboratory 0513

Note: This report shall not be reproduced except in full, without the written approval of SGS Taiwan Ltd. This document may be altered or revised by SGS Taiwan Ltd. personnel only, and shall be noted in the revision section of the document.

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sqs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂 定之通用服務條款所製作發放,相關服務條款備索,或可在 www.sgs.com中查閱,本公司之義務、免責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可 不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、竄改皆屬非法,違犯者將會被依法追訴。

No.134, Wu Kung Road, Wuku Industrial Zone, Taipei County, Taiwan 248/台北縣五股工業區五工路 134 號

SGS Taiwan Ltd.



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 2

VERIFICATION OF COMPLIANCE

Applicant: Sagem Mobiles

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

Equipment Under Test: BC2006S4

Brand Name: SAGEM

FCC ID Number: M9HBC06S4

Model No.: BC2006S4

Model Difference: N/A

ER/2007/80037-01 File Number:

Date of test: Aug. 30, 2007 ~ Sep. 19, 2007

Date of EUT Received: Aug. 30, 2007; Sep. 14, 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 ANSI C63.4 (2003) 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 Rules Part 15.247.

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

Test By:	Vanny Yeh	Date	Sep. 19, 2007
	Danny Yeh/Engineer		
Prepared By:	Eliser Chen	Date	Sep. 19, 2007
Approved By:	Elisa Chen/Assistant Supervisor	Date	Sep. 19, 2007
	Vincent Su/Manager		

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sqs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂 定之通用服務條款所製作發放,相關服務條款備索,或可在 www.sgs.com中查閱,本公司之義務、免責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可, 不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、竄改皆屬非法,違犯者將會被依法追訴。

> SGS Taiwan Ltd. No.134, Wu Kung Road, Wuku Industrial Zone, Taipei County, Taiwan 248/台北縣五股工業區五工路 134 號

www.tw.sqs.com



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 3

Version

Version No.	Date
00	Sep. 19, 2007

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sqs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂定之通用服務條款所製作發放,相關服務條款所需,或可在 www.sqs.com中查閱,本公司之義務、免責、管轄權告明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、[偽造、寬改皆屬非法,違犯者將會被依法追訴。

d. No.134, Wu Kung Road, Wuku Industrial Zone, Taipei County, Taiwan 248/台北縣五股工業區五工路 134 號

SGS Taiwan Ltd. 台灣檢驗科技股份有限公司_

t (886-2) 2299 - 3279

f (886-2) 2298 - 0488

www.tw.sgs.com



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 4

Table of Contents

1.	GEN	ERAL INFORMATION	7
	1.1.	Product Description	7
	1.2.	Related Submittal(s) / Grant (s)	
	1.3.	Test Methodology	8
	1.4.	Test Facility	8
	1.5.	Special Accessories	8
	1.6.	Equipment Modifications	
2.	SYST	TEM TEST CONFIGURATION	9
	2.1.	EUT Configuration	9
	2.2.	EUT Exercise	9
	2.3.	Test Procedure	9
	2.4.	Configuration of Tested System	10
3.	SUM	MARY OF TEST RESULTS	11
4.	DESC	CRIPTION OF TEST MODES	11
5.	CON	DUCTED EMISSION TEST	12
	5.1.	Standard Applicable	12
	5.2.	EUT Setup	12
	5.3.	Measurement Procedure	12
	5.4.	Measurement Equipment Used:	13
	5.5.	Measurement Result	13
6.	PEAI	K OUTPUT POWER MEASUREMENT	16
	6.1.	Standard Applicable	16
	6.2.	Measurement Procedure	16
	6.3.	Measurement Result	16
	6.4.	Measurement Equipment Used:	16
7.	20dB	BAND WIDTH	19
	7.1.	Standard Applicable	19
	7.2.	Measurement Procedure	19
	7.3.	Measurement Result	19
	7.4.	Measurement Equipment Used:	19
8.	100K	Hz BANDWIDTH OF BAND EDGES MEASUREMENT	22
	8.1.	Standard Applicable	
	8.2.	Measurement Procedure	22
	8.3	Measurement Result	22

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sqs.com. Attention is drawn to the limitations of liability, indemnification This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.ags.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂定之通用服務條款所製作發放,相關服務條款備素,或可在 www.sgs.com 中查閱,本公司之義務、免責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 5

	8.4.	Measurement Result	22
	8.5.	Measurement Equipment Used:	23
9.	SPUR	RIOUS RADIATED EMISSION TEST	27
	9.1.	Standard Applicable	27
	9.2.	EUT Setup	27
	9.3.	Measurement Procedure	27
	9.4.	Test SET-UP (Block Diagram of Configuration)	28
	9.5.	Measurement Equipment Used:	
	9.6.	Field Strength Calculation	29
	9.7.	Measurement Result	29
10.	FRE(QUENCY SEPARATION	42
	10.1.	Standard Applicable	42
	10.2.	Measurement Procedure	42
	10.3.	Measurement Result	42
		Measurement Equipment Used:	
11.	NUM	BER OF HOPPING FREQUENCY	44
	11.1.	Standard Applicable	44
	11.2.	Measurement Procedure	44
	11.3.	Measurement Result	
	11.4.	Measurement Equipment Used:	44
12.	TIME	E OF OCCUPANCY (DWELL TIME)	46
	12.1.	Standard Applicable	46
	12.2.	Measurement Procedure	46
	12.3.	Measurement Result.	46
	12.4.	Measurement Equipment Used:	47
13.	Peak	Power Spectral Density	
	13.1.	Standard Applicable	52
	13.2.	Measurement Procedure	52
	13.3.	Measurement Result	52
	13.4.	Measurement Equipment Used:	52
14.	ANTI	ENNA REQUIREMENT	55
	14.1.	Standard Applicable	55
	14.2.	Antenna Connected Construction	55
PH	OTOG	GRAPHS OF SET UP	56
DЦ	OTOC	DADUS OF FUT	50

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification This oucument is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sqs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sqs.com 中查閱,本公司之義務、免責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、| (4) 主。 文章 特別的表面,以下的表面,以下的表面,以下的表面,以下的表面,以下的表面,以下的表面,以下的表面,以下的表面,以下的表面,可以下的表面,以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的表面,可以下的不可以下的,可以可以下的表面,可以可以下的一种可以可以下的一种可以可以下的一种可以可以下的一种可以可以可以下的一种可以可以下的一种可以可以可以下的一种可以可以可以下的。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 6

1. GENERAL INFORMATION

1.1. Product Description

1.1. I Toduct Description					
Type Name/Number:	BC2006S4				
Brand Name:	SAGEM				
Model Difference:	N/A				
	3.7Vdc re-chargeable battery or 5Vdc by AC/DC power adapter				
Power Supply	Battery: Model: 287144358, Supplier: SAGEM				
	Adapter:	Adapter: Model : DCH3-050US 189193837, Supplier: SAGEM			

GSM:

Cellular Phone Standards Frequency Range and Power	GSM/GPRS 1900	1850MHz – 1910MHz	30 dBm
Type of Emission	GSM: 300KGXW		
IMEI	357970010000126		
Software Version	E N,BA		
Hardware Version	V0x		

Bluetooth:

Frequency Range	2402 – 2480MHz
Channel number	79 channels
Rated Power	1.85 dBm
Modulation type	Frequency Hopping Spread Spectrum (FHSS)(FGSK)
Antenna Designation	Chip Antenna, 1.2 dBi

The EUT is compliance with Bluetooth Standard.

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達確本公司訂定之通用服務條款所製作發放,相關服務條款所製作發放,相關服務條款所製作發放,相關服務條款所製作發放,相關服務條款所製作發放,有關,本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、篡改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 7

1.2. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for **FCC ID:** <u>M9HBC06S4</u> filing to comply with Section 15.247 of the FCC Part 15, Subpart C Rules. The composite system (digital device) is compliance with Subpart B is authorized under a Doc procedure.

1.3. Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4 (2003). Radiated testing was performed at an antenna to EUT distance 3 meters.

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: 990257, Both OATS and Anechoic chamber (3 meters) was accredited by TAF (0513).

1.5. Special Accessories

Not available for this EUT intended for grant.

1.6. Equipment Modifications

Not available for this EUT intended for grant.

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。

No.134, Wu Kung Road, Wuku Industrial Zone, Taipei County, Taiwan 248/台北縣五股工業區五工路 134 號

SGS Taiwan Ltd.

www.tw.sqs.com



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 8

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 that was for the purpose of the measurements.

2.3. Test Procedure

2.3.1 Conducted Emissions

The EUT is a placed on as 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 a placed on as turn table which is 0.8 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.

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達確本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com 中春閱,本公司之義務、免責、管轄權告明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、竄改皆屬非法,違犯者將會被依法追訴。

No.134, Wu Kung Road, Wuku Industrial Zone, Taipei County, Taiwan 248/台北縣五股工業區五工路 134 號

SGS Taiwan Ltd.

www.tw.sqs.com



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 9

2.4. Configuration of Tested System

Fig. 2-1 Configuration of Tested System

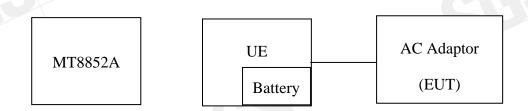


Table 2-1 Equipment Used in Tested System

Item	Equipment	Mfr/Brand	Model/ Type No.	Series No.	Data Cable	Power Cord
1.	Adaptor	SAGEM	DCH3-050US	189193837	N/A	N/A
2.	Test Software	CSR	BlueSuite 1.22	Version 1.22	N/A	N/A
3.	Bluetooth Test Set	Anritsu	MT8852A	6k00001436	N/A	N/A

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條數所製作發放,相關服務條數所製作發放,相關服務條數所製作發放,本報告表達不可可在www.sgs.com中查閱,本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 10

3. SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§15.207(a)	Conducted Emission	Compliant
§15.247(b)(1)	Peak Output Power	Compliant
§15.247(a)	20dB Bandwidth	Compliant
§15.247(c)	100 KHz Bandwidth Of Fre-	Compliant
	quency Band Edges	
§15.209(a) (f)	Spurious Emission	Compliant
§15.247(a)(1)	Frequency Separation	Compliant
§15.247(a)(1)(iii)	Number of hopping frequency	Compliant
§15.247(a)(1)(iii)	Time of Occupancy	Compliant
§15.247	Peak Power Density	Compliant
§15.203,	5.203, Antenna Requirement	
§15.247(b)(4)(i)		

4. DESCRIPTION OF TEST MODES

The EUT has been tested under operating condition.

Test program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

Channel low (2402MHz) • mid (2441MHz) and high (2480MHz) with highest data rate are chosen for full testing.

The Radiated Spurious Emission was performed at X. Y. and Z. axis. The worst case X axis was reported.

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 11

5. CONDUCTED EMISSION TEST

5.1. Standard Applicable

According to §15.207. frequency within 150KHz to 30MHz shall not exceed the limit table as below.

	Limits		
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

5.2. EUT Setup

- 1. The conducted emission tests were performed in the test site, using the setup in accordance with the ANSI C63.4-2003.
- 2. The EUT was plug-in the host PC. The host system was placed on the center of the back edge on the test table. The peripherals was placed on the side of the host PC system. The rear of the EUT and peripherals were placed flushed with the rear of the tabletop.
- 3. The spacing between the peripherals was 10 centimeters.
- 4. External I/O cables were draped along the edge of the test table and bundle when necessary.
- 5. The host system was connected with 110Vac/60Hz power source.

5.3. 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.

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。

SGS Taiwan Ltd.

^{1.} The lower limit shall apply at the transition frequencies

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



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 12

5.4. Measurement Equipment Used:

Conducted Emission Test Site						
EQUIPMENT MFR MODEL SERIAL				LAST	CAL DUE.	
TYPE		NUMBER	NUMBER	CAL.		
EMC Analyzer	НР	8594EM	3624A00203	09/02/2007	09/01/2008	
EMI Test Receiver	R&S	ESCS30	828985/004	06/09/2007	06/10/2008	
Transient Limiter	HP	11947A	3107A02062	09/02/2007	09/01/2008	
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	12/01/2006	12/01/2007	

5.5. 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-peake.

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條數所製作發放,相關服務條數所製作發放,相關服務條數所製作發放,本報告表達不可可在www.sgs.com中查閱,本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。

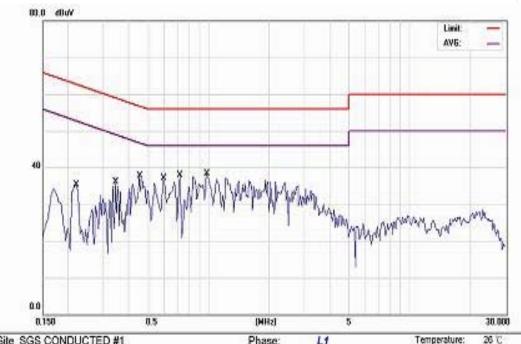


Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 13

AC POWER LINE CONDUCTED EMISSION TEST DATA

Operation Mode:	Charge and Operation Mode			Test Date:	Sep. 03, 2007
Temperature:	25 ℃	Humidity:	62 %	Test By:	Danny



Site SGS CONDUCTED #1

Limit: CISPR22 Class B Conduction(QP)

EUT: BC2006S3 M/N: BC2006S3

Note: GSM 1900 +BT LINK

iase.	LI	remp
wer:	AC 120V/60Hz	Humid
renen .		3355

Distance: Air Pressure:

64 %

No. Mk.	Freq.	Reading Level	Factor	Measure- ment	Limit	Over			
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment	
1	0.2200	35.27	0.02	35.29	62.82	-27.53	QP		
2	0.3450	36.17	0.02	36.19	59.08	-22.89	QP		
3	0.4550	37.59	0.02	37.61	56.78	-19.17	QP		
4	0.6000	37.15	0.02	37.17	56.00	-18.83	QP		
5	0.7200	37.93	0.02	37.95	56.00	-18,05	QP		
6 *	0.9800	38.21	0.01	38.22	56.00	-17.78	QP		

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sqs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂 定之通用服務條款所製作發放,相關服務條款備索,或可在 www.sgs.com中查閱,本公司之義務、免責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可, 不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、竄改皆屬非法,違犯者將會被依法追訴。

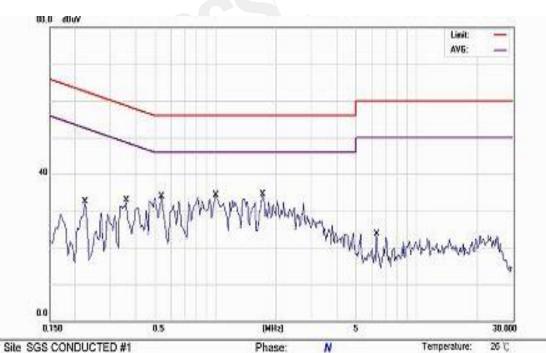


Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 14

Humidity:

Air Pressure:



Power:

Distance:

Limit: CISPR22 Class B Conduction(QP)

EUT: BC2006S3 M/N: BC2006S3

No. Mk.

2

3

4 5

6

Note: GSM 1900 +BT LINK

Freq. MHz 0.2250

0.3600

0.5400 1.0000

1.7200

6.3200

Reading Level	Factor	Measure- ment	Limit	Over	53/04/04/5	AND DESCRIPTION	
dBuV'	dB	dBuV	dBuV	dB	Detector	Comment	
32.52	0.02	32.54	62.63	-30.09	QP		
32.89	0.02	32.91	58.73	-25.82	QP		
33,89	0.02	33.91	56.00	-22.09	QP		
34.37	0.01	34.38	56.00	-21.62	QP		
34.45	0.03	34.48	56.00	-21.52	QP		
23.49	0.14	23.63	60.00	-36.37	QP		

AC 120V/60Hz

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sqs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂 定之通用服務條款所製作發放,相關服務條款備索,或可在 www.sgs.com中查閱,本公司之義務、免責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可, 不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、竄改皆屬非法,違犯者將會被依法追訴。

> SGS Taiwan Ltd. No.134, Wu Kung Road, Wuku Industrial Zone, Taipei County, Taiwan 248/台北縣五股工業區五工路 134 號 f (886-2) 2298 - 0488

www.tw.sgs.com



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 15

6. PEAK OUTPUT POWER MEASUREMENT

6.1. Standard Applicable

For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 hopping channels, and all frequency hopping systems in the 5725-5850MHz band: 1Watt. For all other frequency hopping systems in the 2400-2483.5MHz band: 0.125 Watts.

6.2. Measurement Procedure

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter or spectrum. (Channel power function, RBW, VBW = 1MHz)
- 3. Record the max. reading.
- 4. Repeat above procedures until all frequency measured were complete.

6.3. Measurement Result

СН	Frequency (MHz)	Reading Power dBm	Cable Loss	Output Power dBm	Output Power W	Limit (W)
LOW	2402.0	0.12	0.00	0.12	0.00103	1
MID	2441.0	0.63	0.00	0.63	0.00116	1
HIGH	2480.0	1.85	0.00	1.85	0.00153	1

*Note: Offset 7.8dB

6.4. Measurement Equipment Used:

EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.
TYPE		NUMBER	NUMBER	CAL.	
Spectrum Analyzer	R&S	FSP 40	100034	05/27/2007	05/26/2008
Spectrum Analyzer	Agilent	E7405A	US41160416	07/04/2007	07/03/2008
Spectrum Analyzer	Agilent	E4446A	MY43360126	04/27/2007	04/26/2008
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA	N/A	N/A	N/A
Attenuator	Mini-Circult	BW-S6W5	N/A	10/07/2006	10/06/2007

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。

No.134, Wu Kung Road, Wuku Industrial Zone, Taipei County, Taiwan 248/台北縣五股工業區五工路 134 號

SGS Taiwan Ltd.

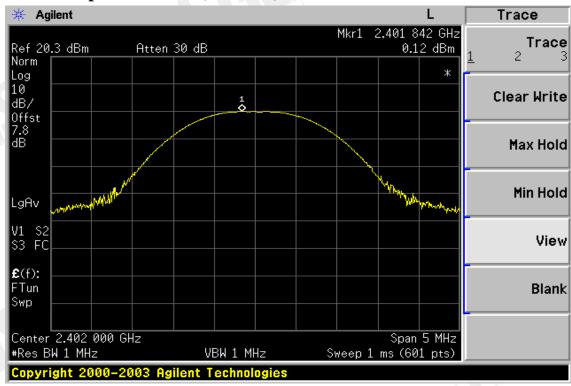
www.tw.sgs.com



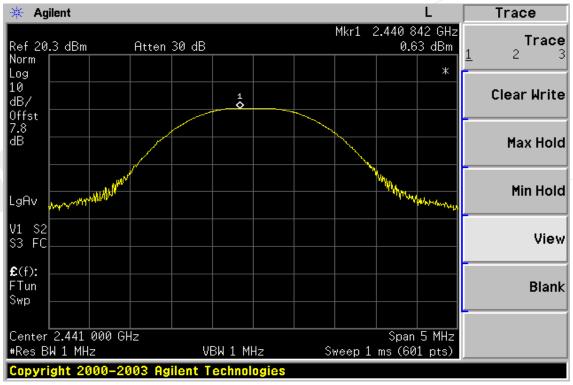
Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 16

Peak Power Output Data Plot (CH Low)



Peak Power Output Data Plot (CH Mid)



This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sqs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂 定之通用服務條款所製作發放,相關服務條款備索,或可在 www.sgs.com中查閱,本公司之義務、免責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可, 不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、竄改皆屬非法,違犯者將會被依法追訴。

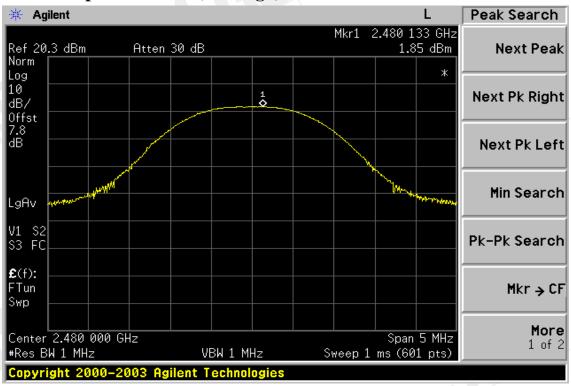


Report No.: ER/2007/80037-01

Issue Date: Sep. 19, 2007

Page: 17

Peak Power Output Data Plot (CH High)



This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條款所製作發放,相關服務條款所製作發放,相關服務條款所製作發放,本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 18

7. 20dB BAND WIDTH

7.1. Standard Applicable

For frequency hopping systems operating in the 2400MHz-2483.5 MHz no limit for 20dB bandwidth.

7.2. Measurement Procedure

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3. Set the spectrum analyzer as RBW=10KHz (1 % of Bandwidth.), Span= 3MHz, Sweep=auto
- 4. Mark the peak frequency and –20dB (upper and lower) frequency.
- 5. Repeat above procedures until all frequency measured were complete.

7.3. Measurement Result

СН	Bandwidth
	(kHz)
Lower	745.092
Mid	794.464
Higher	890.373

7.4. Measurement Equipment Used:

EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.
ТҮРЕ		NUMBER	NUMBER	CAL.	
Spectrum Analyzer	R&S	FSP 40	100034	05/27/2007	05/26/2008
Spectrum Analyzer Agilent		E7405A	US41160416	07/04/2007	07/03/2008
Spectrum Analyzer	Agilent	E4446A	MY43360126	04/27/2007	04/26/2008
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA	N/A	N/A	N/A
Attenuator	Mini-Circult	BW-S6W5	N/A	10/07/2006	10/06/2007

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sqs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂 定之通用服務條款所製作發放,相關服務條款備索,或可在 www.sgs.com中查閱,本公司之義務、免責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可 不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、竄改皆屬非法,違犯者將會被依法追訴。

No.134, Wu Kung Road, Wuku Industrial Zone, Taipei County, Taiwan 248/台北縣五股工業區五工路 134 號

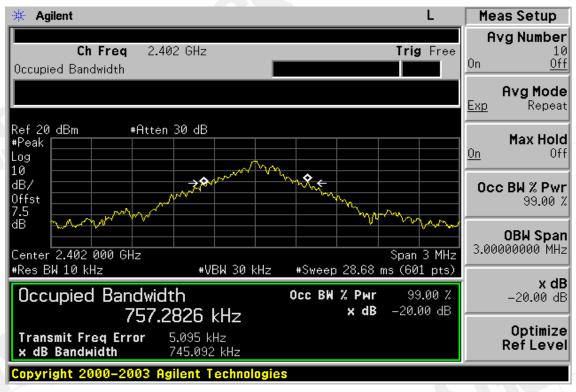
SGS Taiwan Ltd.



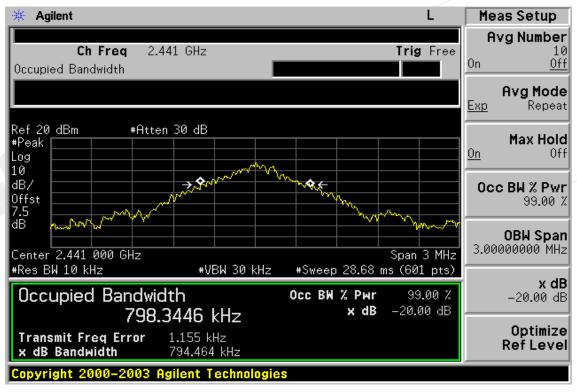
Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 19

20dB Band Width Test Data CH-Low



20dB Band Width Test Data CH-Mid



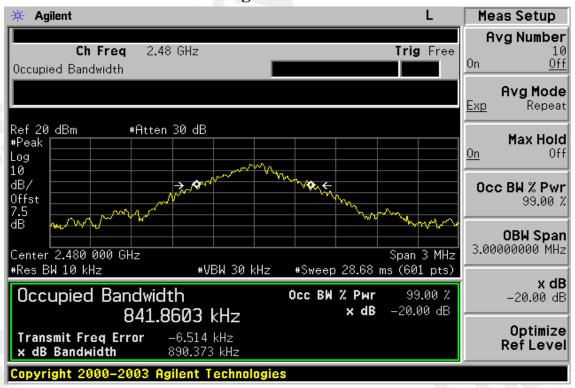
This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 20

20dB Band Width Test Data CH-High



This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條數所製作發放,相關服務條數所製作發放,相關服務條數所製作發放,本報告表達不可可在www.sgs.com中查閱,本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 21

8. 100KHz BANDWIDTH OF BAND EDGES MEASUREMENT

8.1. Standard Applicable

According to §15.247(c), in any 100 KHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100KHz bandwidth within the band that contains the highest level of the desired power, In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in15.209(a).

8.2. Measurement Procedure

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3. Set center frequency of spectrum analyzer = operating frequency.
- 4. Set the spectrum analyzer as RBW, VBW=100KHz, Span=25MHz, Sweep = auto
- 5. Mark Peak, 2.390GHz and 2.488GHz and record the max. level.
- 6. Repeat above procedures until all frequency measured were complete.
- 7. Radiated Emission refer to section 9.

8.3. Measurement Result

Refer to attach spectrum analyzer data chart.

8.4. Measurement Result

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor(if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where	FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
	RA = Reading Amplitude	AG = Amplifier Gain
	AF = Antenna Factor	

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。

No.134, Wu Kung Road, Wuku Industrial Zone, Taipei County, Taiwan 248/台北縣五股工業區五工路 134 號

SGS Taiwan Ltd.

www.tw.sqs.com



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 22

8.5. Measurement Equipment Used:

EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.
TYPE		NUMBER	NUMBER	CAL.	
Spectrum Analyzer	R&S	FSP 40	100034	05/27/2007	05/26/2008
Spectrum Analyzer	Agilent	E7405A	US41160416	07/04/2007	07/03/2008
Spectrum Analyzer	Agilent	E4446A	MY43360126	04/27/2007	04/26/2008
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA	N/A	N/A	N/A
Attenuator	Mini-Circult	BW-S6W5	N/A	10/07/2006	10/06/2007

Note: Measurement Equipment for radiated emission refers to section 9.

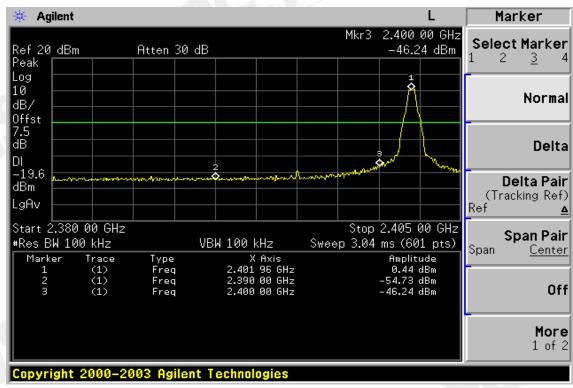
This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條款所製作發放,相關服務條款所製作發放,相關服務條款所製作發放,本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



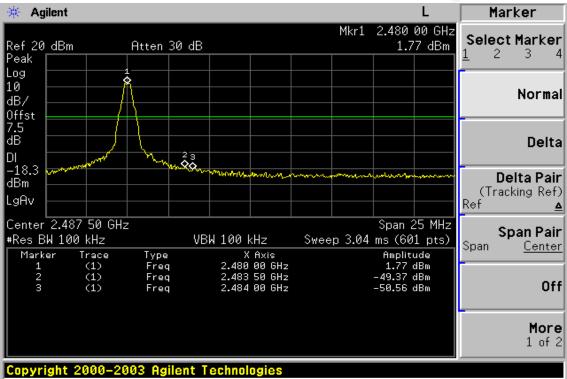
Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 23

Conducted Emission: Test Data CH-Low



Conducted Emission: Test Data CH-High



This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 24

Radiated Emission:

Operation Mode TX CH Low Test Date Sep. 17, 2007 Fundamental Frequency 2402 MHz Test By Bangde Temperature 25 $^{\circ}$ C Pol Ver. Humidity 65 %

		Peak	\mathbf{AV}		Actu	al FS	Peak	\mathbf{AV}		
	Freq.	Reading	Reading	Ant./CL	Peak	\mathbf{AV}	Limit	Limit	Margin	Remark
	(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/n	(dB)	
	2390.0	37.50		-1.39	36.11		74.00	54.00	-17.89	Peak
	2400.0	41.58		-1.36	40.22		74.00	54.00	-13.78	Peak
(Operation	Mode	TX C	'H Low			Test	t Date	Sep. 17, 20	007
]	Fundamen	tal Frequei	ncy 2402	MHz			Test	t By	Bangde	
-	Temperatu	ire	25 °C				Pol	-	Hor.	

	Peak	\mathbf{AV}		Actu	al FS	Peak	AV		
Freq.	Reading	Reading	Ant./CL	Peak	\mathbf{AV}	Limit	Limit	Margin	Remark
(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
2390.0	37.62		-1.39	36.23		74.00	54.00	-17.77	Peak
2400.0	42.66		-1.36	41.30		74.00	54.00	-12.70	Peak

Remark:

Humidity

65 %

- (1) Datas of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (2) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column °
- (3) Spectrum Peak Setting: 1GHz-26GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.
- (4) Spectrum AV Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 25

Radiated Emission:

Operation Mode TX CH High Test Date Sep. 17, 2007 Fundamental Frequency 2480 MHz Test By Bangde Temperature 25 $^{\circ}$ C Pol Ver. Humidity 65 %

	Peak	\mathbf{AV}		Actu	ıal FS	Peak	\mathbf{AV}		
Freq.	Reading	Reading	Ant./CL	Peak	\mathbf{AV}	Limit	Limit	Margin	Remark
(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/n	(dB)	
2483.5	39.86		-0.92	38.94		74.00	54.00	-15.06	Peak
2484.0	39.04		-0.92	38.12		74.00	54.00	-15.88	Peak
Operation	n Mode	TX C	CH High			Tes	t Date	Sep. 17, 20	007
Fundame	ntal Freque	ncy 2480	MHz			Tes	t By	Bangde	
Temperat	ure	25 ℃				Pol	•	Hor.	
Humidity		65 %							

		Peak	\mathbf{AV}		Actu	al FS	Peak	AV		
	Freq.	Reading	Reading	Ant./CL	Peak	\mathbf{AV}	Limit	Limit	Margin	Remark
	(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
•	2483.5	39.99		-0.92	39.07		74.00	54.00	-14.93	Peak
	2484.0	38.35		-0.92	37.43		74.00	54.00	-16.57	Peak

Remark:

- (1) Datas of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (2) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column °
- (3) Spectrum Peak Setting: 1GHz-26GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.
- (4) Spectrum AV Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 26

9. SPURIOUS RADIATED EMISSION TEST

9.1. Standard Applicable

According to §15.247(c), all other emissions outside these bands shall not exceed the general radiated emission limits specified in §15.209(a). And according to §15.33(a)(1), for an intentional radiator operates below 10GHz, the frequency range of measurements: to the tenth harmonic of the highest fundamental frequency or to 40GHz, whichever is lower.

9.2. EUT Setup

- 1. The radiated emission tests were performed in the 3 meter open-test site, using the setup in accordance with the ANSI C63.4-2003.
- 2. The EUT was put in the front of the test table. The peripherals was placed on the side of the host system. The rear of the EUT and peripherals were placed flushed with the rear of the tabletop.
- 3. The spacing between the peripherals was 10 centimeters.
- 4. External I/O cables were draped along the edge of the test table and bundle when necessary.
- 5. The host PC system was connected with 110Vac/60Hz power source.

9.3. Measurement Procedure

- 1. The EUT was placed on a turn table which is 0.8m above ground plane.
- 2. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
- 3. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
- 4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 6. Repeat above procedures until all frequency measured were complete.

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告邊循本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com 中查閱,本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。

SGS Taiwan Ltd.

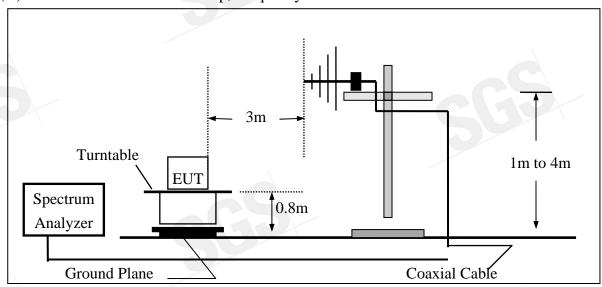


Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

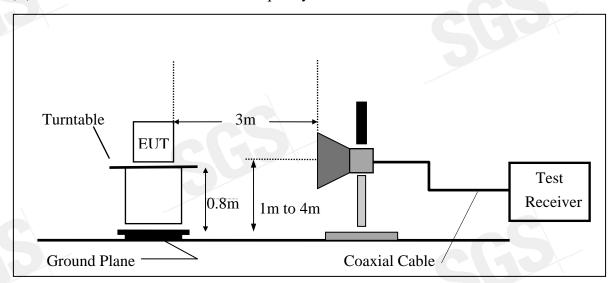
Page: 27

9.4. Test SET-UP (Block Diagram of Configuration)

(A) Radiated Emission Test Set-Up, Frequency Below 1GHz



(B) Radiated Emission Test Set-UP Frequency Over 1 GHz



This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條款所製作發放,相關服務條款所製作發放,相關服務條款所製作發放,本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 28

9.5. Measurement Equipment Used:

966 Chamber										
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.					
Spectrum Analyzer	R&S	FSP 40	100034	11/09/2006	11/10/2007					
Spectrum Analyzer	Agilent	E7405A	US41160416	07/04/2007	07/03/2008					
Bilog Antenna	SCHWAZBECK	VULB9160	9160-3158	10/17/2006	10/16/2007					
Horn antenna	Schwarzbeck	BBHA 9120D	309/320	08/15/2007	08/14/2008					
Horn antenna	Schwarzbeck	BBHA 9170	184/185	07/04/2007	07/03/2008					
Pre-Amplifier	HP	8447D	2944A09469	01/05/2007	01/04/2008					
Pre-Amplifier	HP	8494B	3008A00578	02/26/2007	02/25/2008					
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					
Site NSA	SGS	966 chamber	N/A	11/17/2006	11/16/2007					

9.6. Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor(if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where	FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
	RA = Reading Amplitude	AG = Amplifier Gain
	AF = Antenna Factor	

9.7. Measurement Result

Refer to attach tabular data sheets.

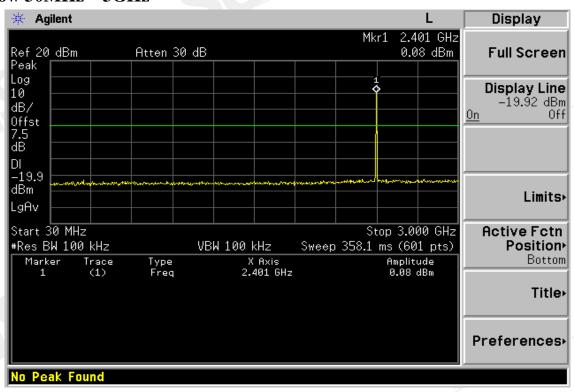
This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達確本公司訂定之通用服務條款所製作發放,相關服務條款所製作發放,相關服務條款所製作發放,相關服務條款所製作發放,相關服務條款所製作發放,有關,本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、篡改皆屬非法,違犯者將會被依法追訴。



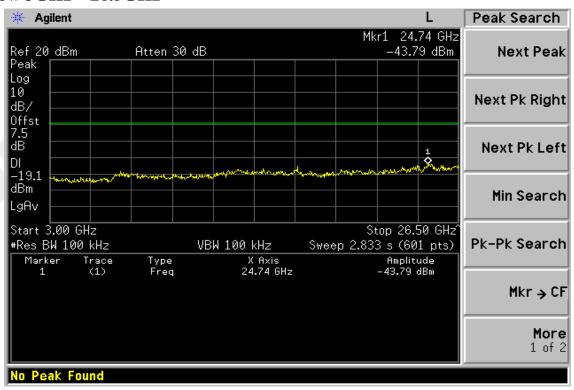
Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 29

Conducted Spurious Emission Measurement Result Ch Low 30MHz – 3GHz



Ch Low 3GHz - 26.5GHz



This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。

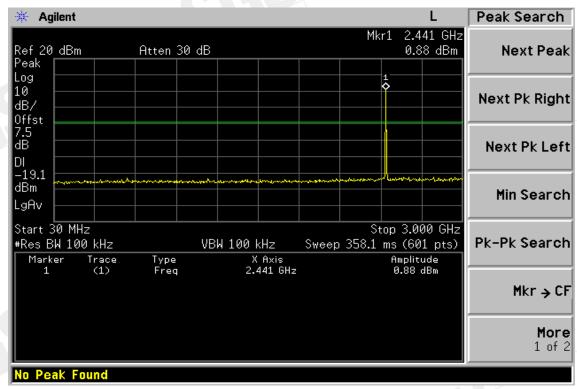


Report No.: ER/2007/80037-01

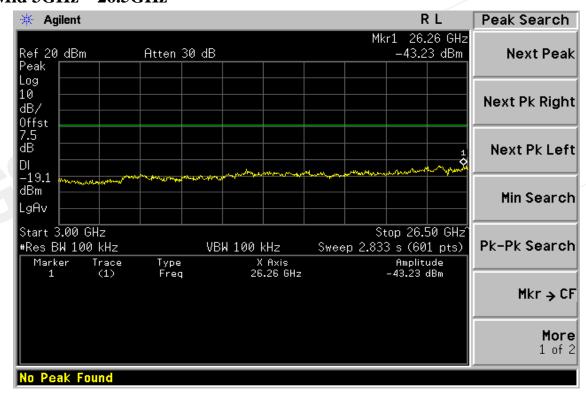
Issue Date: Sep. 19, 2007

Page: 30

Ch Mid 30MHz - 3GHz



Ch Mid 3GHz – 26.5GHz



This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sqs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂 定之通用服務條款所製作發放,相關服務條款備索,或可在 www.sgs.com中查閱,本公司之義務、免責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可, 不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、竄改皆屬非法,違犯者將會被依法追訴。

> No.134, Wu Kung Road, Wuku Industrial Zone, Taipei County, Taiwan 248/台北縣五股工業區五工路 134 號 t (886-2) 2299 - 3279

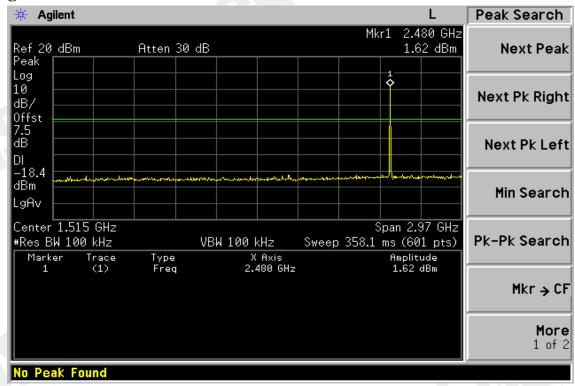
www.tw.sgs.com



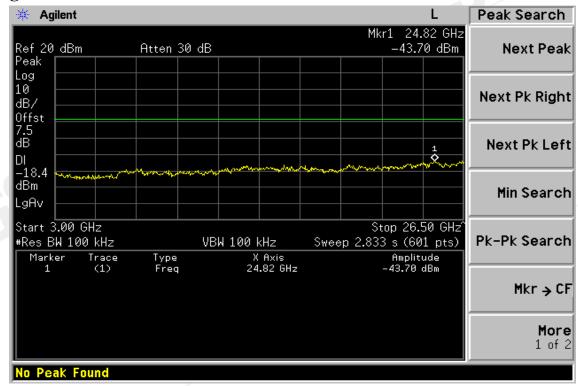
Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 31

Ch High 30MHz - 3GHz



Ch High 3GHz – 26.5GHz



This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01

Issue Date: Sep. 19, 2007

Page: 32

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode TX CH Low **Test Date** Sep. 17, 2007 Fundamental Frequency 2402MHz Bangde Test By Temperature 25 °C Pol Ver./Hor. Humidity 65 %

Freq.	Ant.Pol.	Detector Mode	Reading	Factor	Actual FS	Limit3m	Safe Margin
(MHz)	H/V	(PK/QP)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
41.64	V	Peak	43.50	-13.76	29.74	40.00	-10.26
92.08	V	Peak	47.24	-17.38	29.86	43.50	-13.64
101.78	V	Peak	43.41	-16.87	26.54	43.50	-16.96
153.19	V	Peak	32.83	-13.00	19.83	43.50	-23.67
287.05	V	Peak	31.00	-13.25	17.75	46.00	-28.25
429.64	V	Peak	30.88	-9.14	21.74	46.00	-24.26
46.49	Н	Peak	43.86	-13.87	29.99	40.00	-10.01
65.89	Н	Peak	44.18	-15.09	29.09	40.00	-10.91
92.08	Н	Peak	41.92	-17.38	24.54	43.50	-18.96
101.78	Н	Peak	39.14	-16.87	22.27	43.50	-21.23
162.89	Н	Peak	32.34	-13.57	18.77	43.50	-24.73
604.24	Н	Peak	31.17	-5.92	25.25	46.00	-20.75

Remark:

- 1 Measuring frequencies from 30 MHz to the 1GHz •
- 2 Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using Peak/QP detector mode.
- 3 Datas of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 4 The IF bandwidth of SPA between 30MHz to 1GHz was 100KHz.

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sqs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂 定之通用服務條款所製作發放,相關服務條款備索,或可在 www.sgs.com中查閱,本公司之義務、免責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可 不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、竄改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 33

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode TX CH Mid **Test Date** Sep. 17, 2007 Fundamental Frequency 2441MHz Test By Bangde Temperature 25 °C Pol Ver./Hor. Humidity 65 %

Freq.	Ant.Pol.	Detector Mode	Reading	Factor	Actual FS	Limit3m	Safe Margin
(MHz)	H/V	(PK/QP)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
43.58	V	Peak	44.30	-13.78	30.52	40.00	-9.48
65.89	V	Peak	39.25	-15.09	24.16	40.00	-15.84
92.08	V	Peak	46.97	-17.38	29.59	43.50	-13.91
103.72	V	Peak	39.48	-16.71	22.77	43.50	-20.73
158.04	V	Peak	33.29	-13.28	20.01	43.50	-23.49
286.08	V	Peak	31.12	-13.26	17.86	46.00	-28.14
34.85	Н	Peak	43.93	-14.58	29.35	40.00	-10.65
65.89	Н	Peak	43.85	-15.21	28.64	40.00	-11.36
92.08	Н	Peak	40.46	-17.38	23.08	43.50	-20.42
101.78	Н	Peak	36.79	-16.87	19.92	43.50	-23.58
138.64	Н	Peak	30.39	-13.80	16.59	43.50	-26.91
177.44	Н	Peak	31.00	-14.38	16.62	43.50	-26.88

Remark:

- 1 Measuring frequencies from 30 MHz to the 1GHz •
- 2 Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using Peak/QP detector mode.
- 3 Datas of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 4 The IF bandwidth of SPA between 30MHz to 1GHz was 100KHz.

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sqs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂 定之通用服務條款所製作發放,相關服務條款備索,或可在 www.sgs.com中查閱,本公司之義務、免責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可, 不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、竄改皆屬非法,違犯者將會被依法追訴。

No.134, Wu Kung Road, Wuku Industrial Zone, Taipei County, Taiwan 248/台北縣五股工業區五工路 134 號

SGS Taiwan Ltd. 台灣檢驗科技股份有限公司_

t (886-2) 2299 - 3279

f (886-2) 2298 - 0488



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 34

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode TX CH High Test Date Sep. 17, 2007 Fundamental Frequency 2480MHz Test By Bangde Temperature 25 $^{\circ}$ C Pol Ver./Hor. Humidity 65 $^{\circ}$

Freq.	Ant.Pol.	Detector Mode	Reading	Factor	Actual FS	Limit3m	Safe Margin
(MHz)	H/V	(PK/QP)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
46.49	V	Peak	43.95	-13.87	30.08	40.00	-9.92
92.08	V	Peak	46.54	-17.38	29.16	43.50	-14.34
101.78	V	Peak	41.60	-16.87	24.73	43.50	-18.77
153.19	V	Peak	34.23	-13.00	21.23	43.50	-22.27
286.08	V	Peak	31.65	-13.26	18.39	46.00	-27.61
429.64	V	Peak	31.30	-9.14	22.16	46.00	-23.84
43.58	Н	Peak	43.96	-13.78	30.18	40.00	-9.82
65.89	Н	Peak	43.80	-15.09	28.71	40.00	-11.29
92.08	Н	Peak	41.16	-17.38	23.78	43.50	-19.72
106.63	Н	Peak	38.01	-16.48	21.53	43.50	-21.97
153.19	Н	Peak	30.32	-13.00	17.32	43.50	-26.18
287.05	Н	Peak	30.27	-13.25	17.02	46.00	-28.98

Remark:

- 1 Measuring frequencies from 30 MHz to the 1GHz •
- 2 Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using Peak/QP detector mode.
- 3 Datas of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 4 The IF bandwidth of SPA between 30MHz to 1GHz was 100KHz.

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

ogo: 35

Page: 35

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode TX CH Low Test Date Sep. 17, 2007 Fundamental Frequency 2402 MHz Test By Bangde Temperature 25 $^{\circ}$ C Pol Ver. Humidity 65 $^{\circ}$

	Peak	\mathbf{AV}		Act	ual FS	Peak	AV		
Freq.		Reading		Peak	AV	Limit	Limit	Margin	
(MHz)	(dBuV)	(dBuV)	CF(dB)	(aBuv/n	i,(aBuv/m	Jabuv/m	(dBuV/m)	(dB)	lemarl
2553.5	37.51		-0.69	36.82		74.00	54.00	-17.18	Peak
2963.0	37.27		0.29	37.56		74.00	54.00	-16.44	Peak
4804.0						74.00	54.00		
7206.0						74.00	54.00		
9608.0						74.00	54.00		
12010.0						74.00	54.00		
14412.0						74.00	54.00		
16814.0						74.00	54.00		
19216.0						74.00	54.00		
21618.0						74.00	54.00		
24020.0						74.00	54.00		

Remark:

- (1) Measuring frequencies from 1GHz to the 10th harmonic of highest fundamental frequency \circ
- (2) Datas of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column o
- (4) Spectrum Peak Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.
- (5) Spectrum AV Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 36

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode TX CH Low Test Date Sep. 17, 2007 Fundamental Frequency 2402 MHz Test By Bangde Temperature 25 $^{\circ}$ C Pol Hor.

	Peak	\mathbf{AV}		Actu	al FS	Peak	AV		
Freq. (MHz)	Reading (dBuV)	Reading (dBuV)	Ant./CL CF(dB)	Peak (dBuV/m)	AV (dBuV/m)	Limit (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2391.0	37.53		-1.39	36.14		74.00	54.00	-17.86	Peak
2488.5	37.76		-0.86	36.90		74.00	54.00	-17.10	Peak
4804.0						74.00	54.00		
7206.0						74.00	54.00		
9608.0						74.00	54.00		
12010.0						74.00	54.00		
14412.0						74.00	54.00		
16814.0						74.00	54.00		
19216.0						74.00	54.00		
21618.0						74.00	54.00		
24020.0						74.00	54.00		

Remark:

- (1) Measuring frequencies from 1GHz to the 10th harmonic of highest fundamental frequency \circ
- (2) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column \circ
- (4) Spectrum Peak Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.
- (5) Spectrum AV Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 37

Radiated Spurious Emission Measurement Result (above 1GHz)

TX CH Mid Operation Mode Test Date Sep. 17, 2007 Fundamental Frequency 2441 MHz Test By Bangde Temperature 25 °C Pol Ver. Humidity 65 %

	Peak	\mathbf{AV}		Actu	al FS	Peak	AV		
Freq.	Reading	Reading	Ant./CL	Peak	\mathbf{AV}	Limit	Limit	Margin	
(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	Remark
2573.0	36.59		-0.65	35.94		74.00	54.00	-18.06	Peak
2917.5	36.81		0.20	37.01		74.00	54.00	-16.99	Peak
4882.0						74.00	54.00		
7323.0						74.00	54.00		
9764.0						74.00	54.00		
12205.0						74.00	54.00		
14646.0						74.00	54.00		
17087.0	\					74.00	54.00		
19528.0						74.00	54.00		
21969.0						74.00	54.00		
24410.0						74.00	54.00		

Remark:

- (1) Measuring frequencies from 1GHz to the 10th harmonic of highest fundamental frequency o
- (2) Data of measurement within this frequency range shown " " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column o
- (4) Spectrum Peak Setting: 1GHz-26GHz, RBW=1MHz, VBW=3MHz, Sweep time=200
- (5) Spectrum AV Setting: 1GHz-26GHz, RBW=1MHz, VBW=10Hz, Sweep time=200 ms.

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sqs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂 定之通用服務條款所製作發放,相關服務條款備索,或可在 www.sgs.com中查閱,本公司之義務、免責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可 不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、竄改皆屬非法,違犯者將會被依法追訴。

www.tw.sqs.com



Report No.: ER/2007/80037-01

Issue Date: Sep. 19, 2007

Page: 38

Radiated Spurious Emission Measurement Result (above 1GHz)

TX CH Mid Operation Mode Test Date Sep. 17, 2007 Fundamental Frequency 2441 MHz Test By Bangde Temperature 25 °C Pol Hor. Humidity 65 %

	Peak	\mathbf{AV}		Actu	al FS	Peak	AV		
Freq.	Reading	Reading	Ant./CL	Peak	\mathbf{AV}	Limit	Limit	Margin	
(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	Remark
2540.5	37.47		-0.72	36.75		74.00	54.00	-17.25	Peak
2963.0	36.98		0.29	37.27		74.00	54.00	-16.73	Peak
4882.0						74.00	54.00		
7323.0						74.00	54.00		
9764.0						74.00	54.00		
12205.0						74.00	54.00		
14646.0						74.00	54.00		
17087.0						74.00	54.00		
19528.0) <u></u>					74.00	54.00		
21969.0						74.00	54.00		
24410.0						74.00	54.00		

Remark:

- (1) Measuring frequencies from 1GHz to the 10th harmonic of highest fundamental frequency o
- (2) Datas of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column o
- (4) Spectrum Peak Setting: 1GHz-26GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200
- (5) Spectrum AV Setting: 1GHz-26GHz, RBW=1MHz, VBW=10Hz, Sweep time=200

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sqs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂 定之通用服務條款所製作發放,相關服務條款備索,或可在 www.sgs.com中查閱,本公司之義務、免責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可, 不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、竄改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 39

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode TX CH High Test Date Sep. 17, 2007 Fundamental Frequency 2480 MHz Test By Bangde Temperature 25 $^{\circ}$ C Pol Ver. Humidity 65 %

	Peak	\mathbf{AV}		Actu	al FS	Peak	AV		
Freq.	Reading	Reading	Ant./CL	Peak	\mathbf{AV}	Limit	Limit	Margin	
(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	Remark
2605.5	38.30		-0.60	37.70		74.00	54.00	-16.30	Peak
4211.0	34.70		4.38	39.08		74.00	54.00	-14.92	Peak
4960.0						74.00	54.00		
7440.0						74.00	54.00		
9920.0						74.00	54.00		
12400.0						74.00	54.00		
14880.0						74.00	54.00		
17360.0						74.00	54.00		
19840.0						74.00	54.00		
22320.0						74.00	54.00		
24800.0						74 00	54.00		

Remark:

- (1) Measuring frequencies from 1GHz to the 10th harmonic of highest fundamental frequency \circ
- (2) Datas of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column \circ
- (4) Spectrum Peak Setting: 1GHz-26GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.
- (5) Spectrum AV Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達確本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。

www.tw.sgs.com



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Ssue Date. Sep. 19,

Page: 40

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode TX CH High Test Date Sep. 17, 2007 Fundamental Frequency 2480 MHz Test By Bangde Temperature 25 $^{\circ}$ C Pol Hor.

	Peak	\mathbf{AV}		Actu	al FS	Peak	AV		
Freq.	Reading	Reading	Ant./CL	Peak	\mathbf{AV}	Limit	Limit	Margin	
(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	Remar
2586.0	37.07		-0.62	36.45		74.00	54.00	-17.55	Peak
3353.0	35.91		1.59	37.50		74.00	54.00	-16.50	Peak
4960.0						74.00	54.00		
7440.0						74.00	54.00		
9920.0						74.00	54.00		
12400.0						74.00	54.00		
14880.0						74.00	54.00		
17360.0						74.00	54.00		
19840.0						74.00	54.00		
22320.0						74.00	54.00		
24800.0						74.00	54.00		

Remark:

- (1) Measuring frequencies from 1GHz to the 10th harmonic of highest fundamental frequency \circ
- (2) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column °
- (4) Spectrum Peak Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms
- (5) Spectrum AV Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達確本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 41

10. FREQUENCY SEPARATION

10.1. Standard Applicable

According to §15.247(a)(1), Frequency hopping systems shall have hopping channel carrier frequencies separated by minimum of 25KHz or the 2/3*20dB bandwidth of the hopping channel, whichever is greater.

10.2. Measurement Procedure

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3. Set center frequency of spectrum analyzer = middle of hopping channel.
- 4. Set the spectrum analyzer as RBW, VBW=100KHz, Adjust Span to 5 MHz, Sweep = auto.
- 5. Max hold. Mark 3 Peaks of hopping channel and record the 3 peaks frequency.

10.3. Measurement Result

Channel separation	Limit	Result
MHz	kHz	
1	>=25KHz or 2/3* 20 dB bandwidth	PASS

10.4. Measurement Equipment Used:

EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.
ТҮРЕ		NUMBER	NUMBER	CAL.	
Spectrum Analyzer	R&S	FSP 40	100034	05/27/2007	05/26/2008
Spectrum Analyzer	Agilent	E7405A	US41160416	07/04/2007	07/03/2008
Spectrum Analyzer	Agilent	E4446A	MY43360126	04/27/2007	04/26/2008
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA	N/A	N/A	N/A
Attenuator	Mini-Circult	BW-S6W5	N/A	10/07/2006	10/06/2007

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達確本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。

No.134, Wu Kung Road, Wuku Industrial Zone, Taipei County, Taiwan 248/台北縣五股工業區五工路 134 號

SGS Taiwan Ltd.

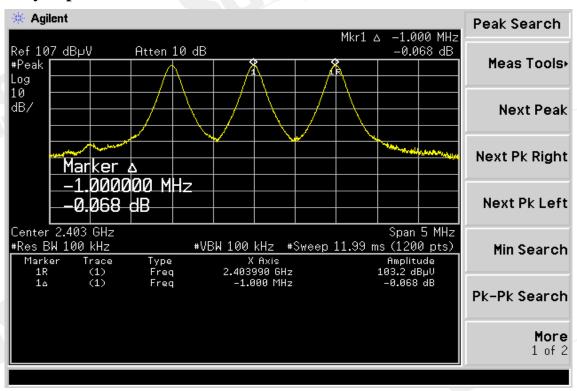
www.tw.sqs.com



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 42

Frequency Separation Test Data



This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條數所製作發放,相關服務條數所製作發放,相關服務條數所製作發放,本報告表達不可可在www.sgs.com中查閱,本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 43

11. NUMBER OF HOPPING FREQUENCY

11.1. Standard Applicable

According to §15.247(a)(1)(iii), Frequency hopping systems operating in the 2400MHz-2483.5 MHz bands shall use at least 15 hopping frequencies.

11.2. Measurement Procedure

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3. Set spectrum analyzer Start=2400MHz, Stop = 2483.5MHz, Sweep = auto.
- 4. Set the spectrum analyzer as RBW, VBW=100KHz,
- 5. Max hold, view and count how many channel in the band.

11.3. Measurement Result

Total No of	Limit (CH)	Measurement result (CH)	Result
hopping channel	15	79	Pass

11.4. Measurement Equipment Used:

EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.
TYPE		NUMBER	NUMBER	CAL.	
Spectrum Analyzer	R&S	FSP 40	100034	05/27/2007	05/26/2008
Spectrum Analyzer	Agilent	E7405A	US41160416	07/04/2007	07/03/2008
Spectrum Analyzer	Agilent	E4446A	MY43360126	04/27/2007	04/26/2008
T	HUDED GUUDIED	SUCOFLEX	N T / A	NT/A	DI/A
Low Loss Cable	HUBER+SUHNER	104PEA	N/A	N/A	N/A
Attenuator	Mini-Circult	BW-S6W5	N/A	10/07/2006	10/06/2007

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達確本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。

No.134, Wu Kung Road, Wuku Industrial Zone, Taipei County, Taiwan 248/台北縣五股工業區五工路 134 號

SGS Taiwan Ltd.



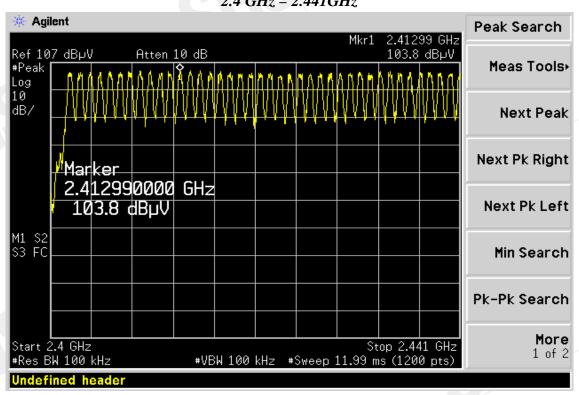
Channel Number

FCC ID: M9HBC06S4

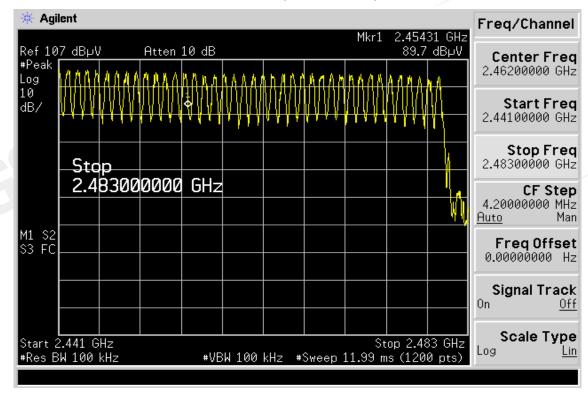
Report No.: ER/2007/80037-01

Issue Date: Sep. 19, 2007 Page: 44

2.4 GHz – 2.441GHz



2.441 GHz - 2.4835GHz



This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達確本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 45

12. TIME OF OCCUPANCY (DWELL TIME)

12.1. Standard Applicable

According to §15.247(a)(1)(iii), Frequency hopping systems operating in the 2400MHz-2483.5 MHz. The average time of occupancy on any frequency shall not greater than 0.4 s within period of 0.4 seconds multiplied by the number of hopping channel employed.

12.2. Measurement Procedure

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3. Set center frequency of spectrum analyzer = operating frequency.
- 4. Set the spectrum analyzer as RBW, VBW=100KHz, Span = 0Hz, Adjust Sweep = 30s.
- 5. Repeat above procedures until all frequency measured were complete.

12.3. Measurement Result

A period time = 0.4 (ms) * 79 = 31.6 (s)

CH Low: DH1 time slot = 0.388 (ms) * (1600/(2*79)) * 31.6 = 124.2 (ms)

DH3 time slot = 1.634 (ms) * (1600/(4*79)) * 31.6 = 173.9 (ms)

DH5 time slot = 2.884 (ms) * (1600/(6*79)) * 31.6 = 307.6 (ms)

CH Mid: DH1 time slot = 0.388 (ms) * (1600/(2*79)) * 31.6 = 124.2 (ms)

DH3 time slot = 1.642 (ms) * (1600/(4*79)) * 31.6 = 174.8 (ms)

DH5 time slot = 2.884 (ms) * (1600/(6*79)) * 31.6 = 307.6 (ms)

CH High: DH1 time slot = 0.388 (ms) * (1600/(2*79)) * 31.6 = 124.2 (ms)

DH3 time slot = 1.642 (ms) * (1600/(4*79)) * 31.6 = 173.9 (ms)

DH5 time slot = 2.884 (ms) * (1600/(6*79)) * 31.6 = 307.6 (ms)

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達確本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

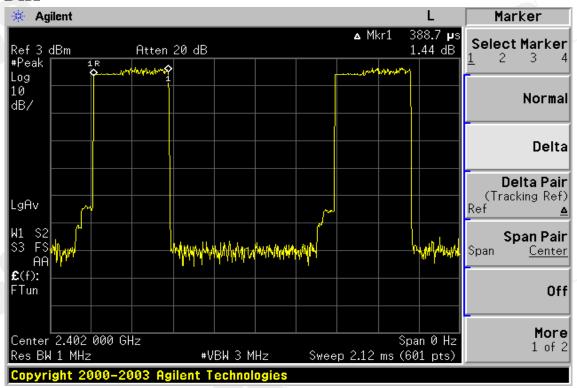
Page: 46

12.4. Measurement Equipment Used:

EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.
TYPE		NUMBER	NUMBER	CAL.	
Spectrum Analyzer	R&S	FSP 40	100034	05/27/2007	05/26/2008
Spectrum Analyzer	Agilent	E7405A	US41160416	07/04/2007	07/03/2008
Spectrum Analyzer	Agilent	E4446A	MY43360126	03/29/2007	03/28/2008
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA	N/A	N/A	N/A
Attenuator	Mini-Circult	BW-S6W5	N/A	10/07/2006	10/06/2007

Dwell Time Test Data *CH-Low*

DH1



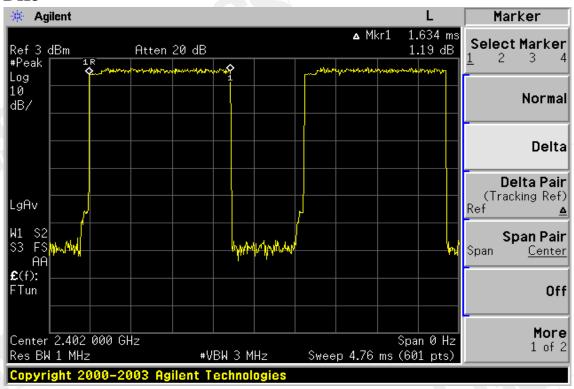
This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條數所製作發放,相關服務條數所製作發放,相關服務條數所製作發放,本報告表達不可可在www.sgs.com中查閱,本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



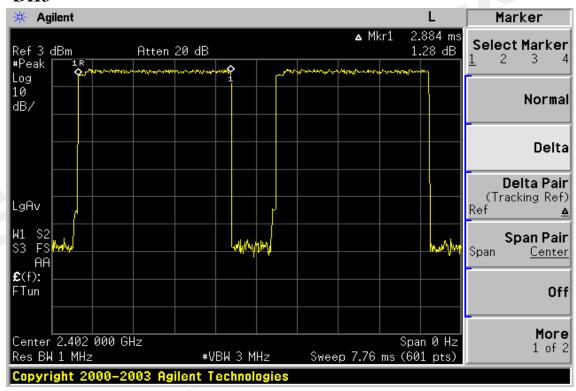
Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 47

DH3



DH5



This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條數所製作發放,相關服務條數所製作發放,相關服務條數所製作發放,本報告表達不可可在www.sgs.com中查閱,本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。

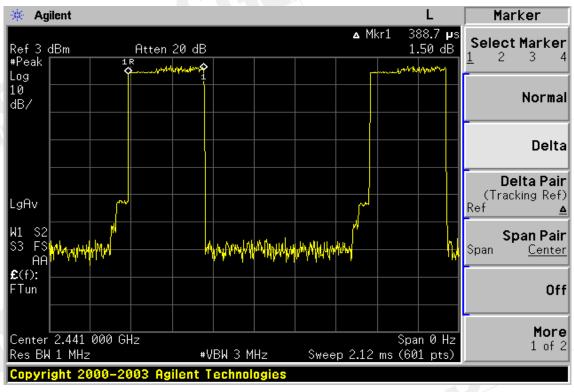


Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

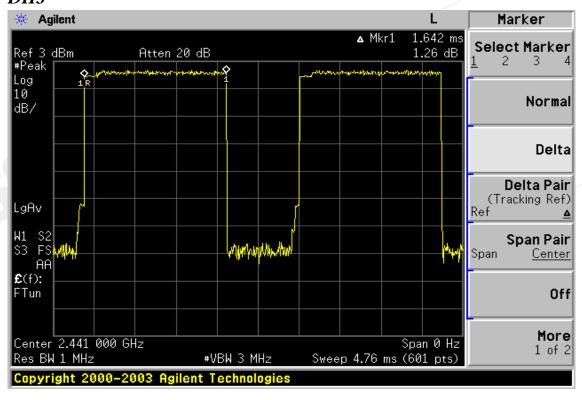
Page: 48

CH-Mid

DH1



DH3



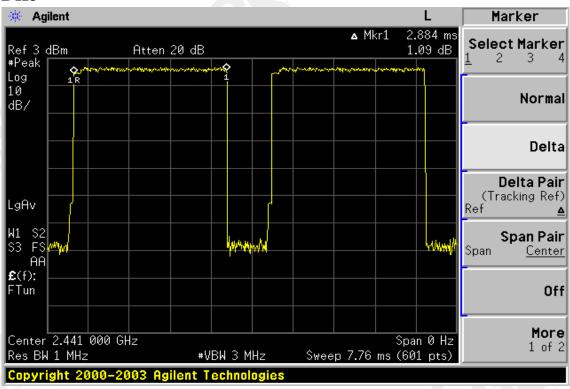
This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條數所製作發放,相關服務條數所製作發放,相關服務條數所製作發放,本報告表達不可可在www.sgs.com中查閱,本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

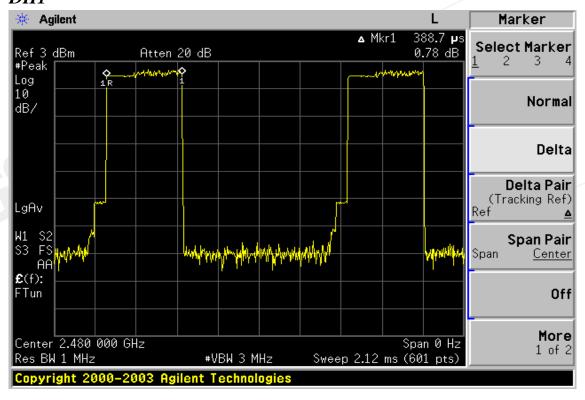
Page: 49

DH5



CH-High

DH1



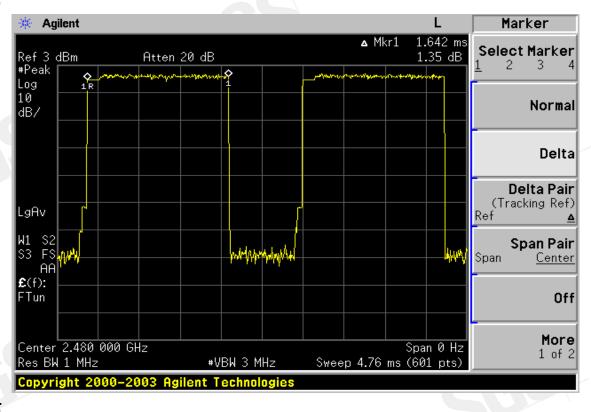
This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條數所製作發放,相關服務條數所製作發放,相關服務條數所製作發放,本報告表達不可可在www.sgs.com中查閱,本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



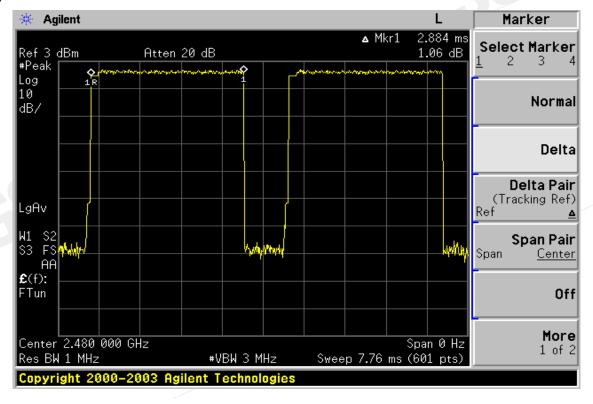
Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 50

DH3



DH5



This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條數所製作發放,相關服務條數所製作發放,相關服務條數所製作發放,本報告表達不可可在www.sgs.com中查閱,本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 51

13. Peak Power Spectral Density

13.1. Standard Applicable

According to §15.247(d), for direct sequence systems, the peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3kHz band during any time interval of continuous transmission.

13.2. Measurement Procedure

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3. Set the spectrum analyzer as RBW = 3KHz, VBW = 10KHz, Span = 1.5MHz, Sweep=100s
- 4. Record the max. reading.
- 5. Repeat above procedures until all frequency measured were complete.

13.3. Measurement Result

СН	RF Power Density	Cable loss	RF Power Density	Maximum Limit
Сп	Reading (dBm)	(dB)	Level (dBm)	(dBm)
Low	-7.87	0.00	-7.87	8
Mid	-7.54	0.00	-7.54	8
High	-6.93	0.00	-6.93	8

^{*}Offset 7.5dB

13.4. Measurement Equipment Used:

EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.
TYPE		NUMBER	NUMBER	CAL.	
Spectrum Analyzer	R&S	FSP 40	100034	05/27/2007	05/26/2008
Spectrum Analyzer	Agilent	E7405A	US41160416	07/04/2007	07/03/2008
Spectrum Analyzer	Agilent	E4446A	MY43360126	04/27/2007	04/26/2008
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA	N/A	N/A	N/A
Attenuator	Mini-Circult	BW-S6W5	N/A	10/07/2006	10/06/2007

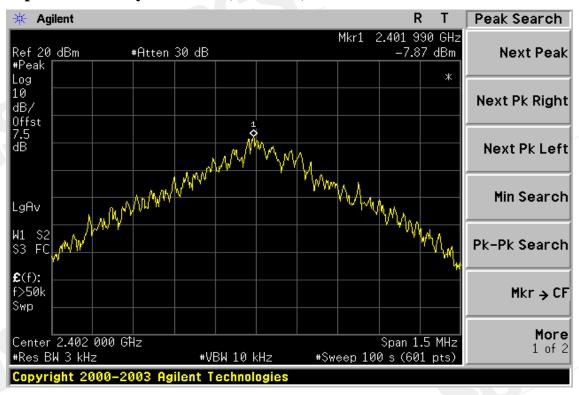
This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達確本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



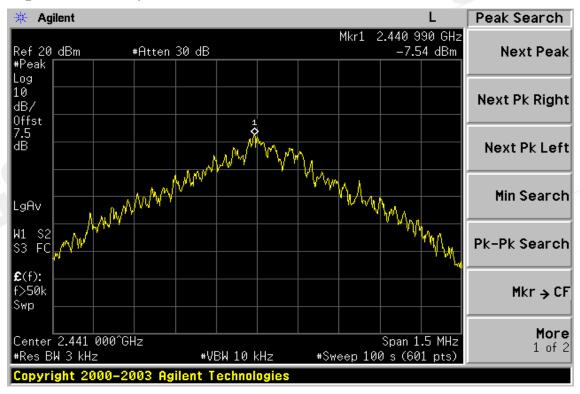
Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 52

Power Spectral Density Test Plot (CH-Low)



Power Spectral Density Test Plot (CH-Mid)



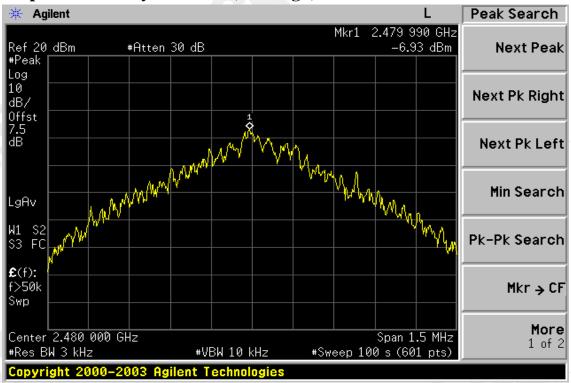
This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達確本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 53

Power Spectral Density Test Plot (CH-High)



This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條數所製作發放,相關服務條數所製作發放,相關服務條數所製作發放,本報告表達不可可在www.sgs.com中查閱,本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。

SGS Taiwan Ltd. No.134, Wu Kung Road, Wuku Industrial Zone, Taipei County, Taiwan 248/台北縣五股工業區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299 - 3279

f (886-2) 2298 - 0488



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 54

14. ANTENNA REQUIREMENT

14.1. Standard Applicable

For intentional device, according to §15.203, an intentional radiator shall be designed to ensure that no antenna other than furnished by the responsible party shall be used with the device.

And according to §15.247(4)(1), system operating in the 2400-2483.5MHz bands that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

14.2. Antenna Connected Construction

The directional gains of antenna used for transmitting is 1.2dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Please see EUT photo for details.

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達確本公司訂定之通用服務條款所製作發放,相關服務條款備案,或可在 www.sgs.com/petgl, 本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。

No.134, Wu Kung Road, Wuku Industrial Zone, Taipei County, Taiwan 248/台北縣五股工業區五工路 134 號

SGS Taiwan Ltd.

www.tw.sqs.com



Report No.: ER/2007/80037-01

Issue Date: Sep. 19, 2007

Page: 55

APPENDIX 1 PHOTOGRAPHS OF SET UP

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條數所製作發放,相關服務條數所製作發放,相關服務條數所製作發放,本報告表達不可可在www.sgs.com中查閱,本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。

SGS Taiwan Ltd. No.134, Wu Kung Road, Wuku Industrial Zone, Taipei County, Taiwan 248/台北縣五股工業區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299 - 3279 f (886-2) 2298 - 0488

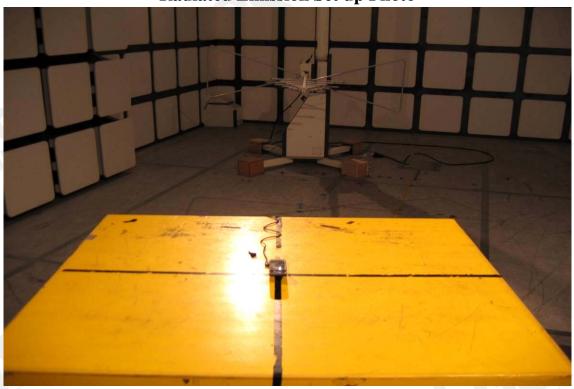
www.tw.sgs.com

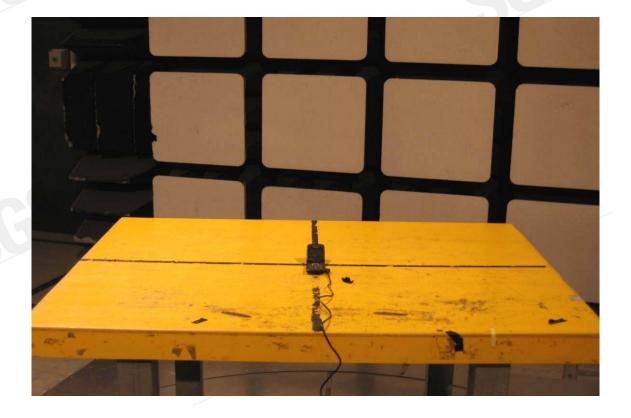


Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 56

Radiated Emission Set up Photo





This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂定之通用服務條款所製作發放,相關服務條款所製作發放,相關服務條款所製作發放,相關服務條款所以表现。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。

SGS Taiwan Ltd.



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 57

Conducted Emission Set up Photo





This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂定之通用服務條款所製作發放,相關服務條款所製作發放,相關服務條款所製作發放,相關服務條款所以表现。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01

Issue Date: Sep. 19, 2007

Page: 58

APPENDIX 2 PHOTOGRAPHS OF EUT

This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條數所製作發放,相關服務條數所製作發放,相關服務條數所製作發放,本報告表達不可可在www.sgs.com中查閱,本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 59

All View of EUT



Adaptor



This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sqs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂定之通用服務條款所製作發放,相關服務條款所需,或可在 www.sqs.com中查閱,本公司之義務、免責、管轄權告明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、[偽造、寬改皆屬非法,違犯者將會被依法追訴。

SGS Taiwan Ltd.



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 60

Battery



Front View of EUT



This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告達獲本公司訂定之通用服務條數所製作發放,相關服務條數所製作發放,相關服務條數所製作發放,本報告表達不可可在www.sgs.com中查閱,本公司之義務、受責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。

No.134, Wu Kung Road, Wuku Industrial Zone, Taipei County, Taiwan 248/台北縣五股工業區五工路 134 號

 SGS Taiwan Ltd.

 台灣檢驗科技股份有限公司
 t (886-2) 2299 - 3279

f (886-2) 2298 - 0488



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 61

Back View of EUT



Side View of EUT – 1



This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sqs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂定之通用服務條數所製作發放,相關服務條數所製作發放,相關服務條數所製作發放,相關服務條數所製作發放,有關學校園,本公司之義務、免責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、竄改皆屬非法,違犯者將會被依法追訴。

SGS Taiwan Ltd.



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 62

Side View of EUT – 2



Inside View of EUT



This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sqs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂定之通用服務條數所製作發放,相關服務條數所製作發放,相關服務條數所製作發放,相關服務條數所製作發放,有關學校園,本公司之義務、免責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、竄改皆屬非法,違犯者將會被依法追訴。

SGS Taiwan Ltd.



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 63

Open View of EUT - 1



Open View of EUT - 2



This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂定之通用服務條款所製作發放,相關服務條款所製作發放,相關服務條款所製作發放,相關服務條款所製作發放,相關服務條款所製作發放,以下不可能仍複製。對本報告內容或外觀之任何未經授權之變更、僞造、竄改皆屬非法,違犯者將會被依法追訴。

SGS Taiwan Ltd.



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 64

Open View of EUT - 3



Open View of EUT - 4



This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂定之通用服務條款所製作發放,相關服務條款所製作發放,相關服務條款所製作發放,相關服務條款所以表现。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。

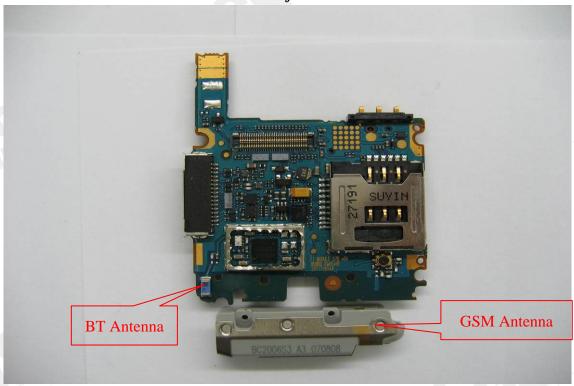
SGS Taiwan Ltd.



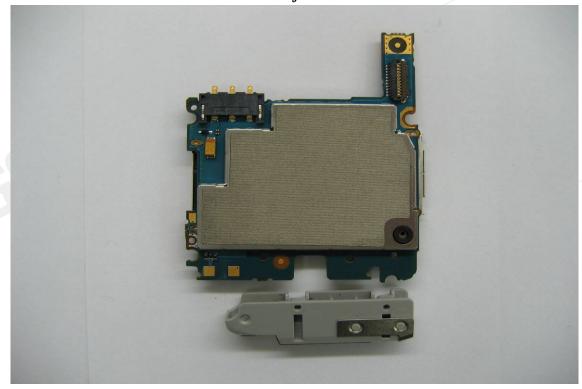
Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 65

Internal of EUT – 1



Internal of EUT – 2



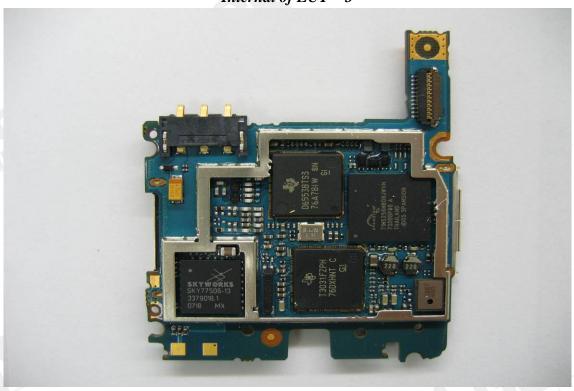
This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂定之通用服務條款所製作發放,相關服務條款所製作發放,相關服務條款所製作發放,相關服務條款所以表现。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、僞造、寬改皆屬非法,違犯者將會被依法追訴。



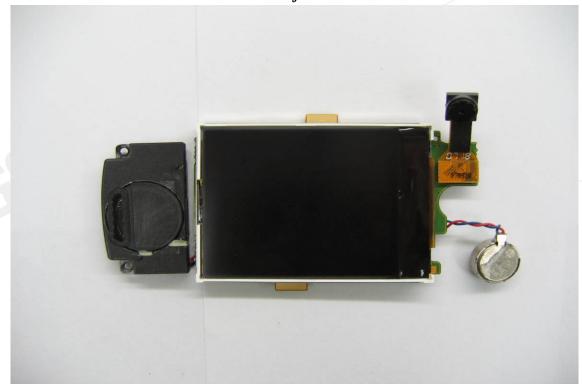
Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 66

Internal of EUT – 3



Internal of EUT – 4



This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂定之通用服務條款所製作發放,相關服務條款所製作發放,相關服務條款備累,或可在 www.sgs.com 中查閱,本公司之義務、免責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、<a href="gas-appended-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states

SGS Taiwan Ltd.



Report No.: ER/2007/80037-01 Issue Date: Sep. 19, 2007

Page: 67

Internal of EUT – 5



Internal of EUT – 6



This document is issued by the Company subject to its General Conditions of Service which is available on request or accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂定之通用服務條款所製作發放,相關服務條款所製作發放,相關服務條款備累,或可在 www.sgs.com 中查閱,本公司之義務、免責、管轄權皆明確規範其中。除非另有說明,此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可,不可部份複製。對本報告內容或外觀之任何未經授權之變更、<a href="gas-appended-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states-states

SGS Taiwan Ltd.