

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

INTENTIONAL RADIATOR CERTIFICATION TO FCC PART 22 SUBPART H, PART 24 SUBPART E and PART 27 SUBPART C & SUBPART L

OF

Product Name: TF600TL
Brand Name: ASUS
Model No.: TF600TL
Marketing Name: TF600TL
Model Difference: N/A
FCC ID: MSQTF600TL
Report No.: EH/2012/50045~46
Issue Date: Sep. 12, 2012
FCC Rule Part: 2, 22H & 24E & 27
Prepared for: ASUSTeK Comuter Inc.
15, Li-Te Rd., Peitou, Taipei 112, Taiwan
Prepared by: SGS Taiwan Ltd.
Electronics & Communication Laboratory
No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, WuKungRoad, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

VERIFICATION OF COMPLIANCE

Applicant: ASUSTeK Computer Inc.
 15, Li-Te Rd., Peitou, Taipei 112, Taiwan

Product Name: TF600TL

Brand Name: N/A

Marketing Name: TF600TL

Model No.: TF600TL

Model Difference: N/A

FCC ID: MSQTF600L

File Number: EH/2012/50045~46

Date of test: May 31, 2012 ~ Sep. 11, 2012

Date of EUT Received: May 31, 2012

We hereby certify that:

The above equipment was tested by SGS Lionwan Ltd. Electronics & Communication Laboratory. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in TIA/EIA-603-C-2004, Issue 3 of RSS-Gen and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits of FCC Rule PART 22 subpart H, PART 24 subpart E, PART 27. The test results of this report relate only to the tested sample identified in this report.

Test By: Marcus Tseng **Date:** Sep. 12, 2012

Marcus Tseng / Engineer

Prepared By: Judy Hsu **Date:** Sep. 12, 2012

Judy Hsu / Clerk

Approved By: Jim Chang **Date:** Sep. 12, 2012

Jim Chang / Supervisor

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Version

Version No.	Date	Description
00	Sep. 12, 2012	Initial creation of document
01	Oct. 12, 2012	Revise page 25-31 - LTE conducted power tables, removing the column of power variation vs. RB size

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, WuKung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Table of Contents

1. GENERAL PRODUCT INFORMATION	6
1.1. Related Submittal(s) / Grant (s)	9
1.2. Test Methodology	9
1.3. Test Facility	9
1.4. Special Accessories	9
1.5. Equipment Modifications	9
2. SYSTEM TEST CONFIGURATION	10
2.1. EUT Configuration	10
2.2. EUT Exercise	10
2.3. Test Procedure	10
2.4. Measurement Equipment Used:	11
2.5. Configuration of Tested System	13
3. SUMMARY OF TEST RESULTS	14
4. DESCRIPTION OF TEST MODES	16
5. MEASUREMENT UNCERLIONNTY FOR FIELD STRENGTH OF	19
SPURIOUS RADIATION	19
6. RF POWER OUTPUT MEASUREMENT	20
6.1. Standard Applicable:	20
6.2. Test Set-up:	21
6.3. Measurement Procedure:	21
6.4. Measurement Equipment Used:	21
6.5. Measurement Result:	22
7. PEAK TO AVERAGE RATIO.....	35
7.1. Standard Applicable:	35
7.2. Test SET-UP (Block Diagram of Configuration):	35
7.3. Measurement Procedure:	35
7.4. Measurement Result:	35
8. ERP, EIRP MEASUREMENT	45
8.1. Standard Applicable:	45
8.2. Test SET-UP (Block Diagram of Configuration):	45
8.3. Measurement Procedure:	47
8.4. Measurement Equipment Used:	47
8.5. Measurement Result:	48
9. 99% OCCUPIED BANDWIDTH MEASUREMENT.....	82

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

9.1.	Standard Applicable:	82
9.2.	Test Set-up:	82
9.3.	Measurement Procedure:	82
9.4.	Measurement Equipment Used:	82
10.	OUT OF BAND EMISSION AT ANTENNA TERMINALS	121
10.1.	Standard Applicable:	121
10.2.	Test SET-UP:.....	123
10.3.	Measurement Procedure:	124
10.4.	Measurement Equipment Used:	124
10.5.	Measurement Result:	125
11.	FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT	189
11.1.	Standard Applicable:	189
11.2.	EUT Setup (Block Diagram of Configuration):.....	190
11.3.	Measurement Procedure:	191
11.4.	Measurement Equipment Used:	191
11.5.	Measurement Result:	191
12.	FREQUENCY STABILITY V.S. TEMPERATURE MEASUREMENT	288
12.1.	Standard Applicable:	288
12.2.	Test Set-up:	288
12.3.	Measurement Procedure:	289
12.4.	Measurement Equipment Used:	289
12.5.	Measurement Result:	290
13.	FREQUENCY STABILITY V.S. VOLTAGE MEASUREMENT	298
13.1.	Standard Applicable:	298
13.2.	Test Set-up:	298
13.3.	Measurement Procedure:	298
13.4.	Measurement Equipment Used:	298
13.5.	Measurement Result:	299

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

1. GENERAL PRODUCT INFORMATION

General:

Product Name:	TF600TL	
Brand Name:	ASUS	
Marketing Name:	TF600TL	
Model No.:	TF600TL	
Model difference:	N/A	
Data Cable (USB):	Model No.: TF810C USB CABLE; Supplier: LOTES	
Power Supply:	3.7Vdc from Li-Ion battery or 5Vdc or 15Vdc from adapter.	
	Battery:	Model No.: TF600T BAT ATL LI-POLY FPACK, Supplier: Simplo
	Adapter :	1. Model No.: AD8273, Supplier: PI 2. Model No.: ADP-18BW, Supplier: DELTA

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

GPRS / WCDMA LTE:

Cellular Phone Standards Frequency Range:	GPRS 850, Class 10	824.2 MHz– 848.8 MHz	33 dBm
	EDGE 850, Class 10	824.2 MHz– 848.8 MHz	27 dBm
	GPRS 1900, Class 10	1850.2MHz – 1909.8MHz	30 dBm
	EDGE 1900, Class 10	1850.2MHz – 1909.8MHz	26 dBm
	WCDMA/HSUPA/HSDPA Band II	1852.4MHz – 1907.6MHz	24 dBm
	WCDMA/HSUPA/HSDPA Band V	826.4MHz - 846.6MHz	24 dBm
	1.4MHz BW LTE-Band 4	1710.7MHz – 1754.3MHz	23 dBm
	3MHz BW LTE-Band 4	1711.5MHz – 1753.5MHz	23 dBm
	5MHz BW LTE-Band 4	1712.5MHz – 1752.5MHz	23 dBm
	10MHz BW LTE-Band 4	1715MHz – 1750MHz	23 dBm
	5MHz BW LTE-Band 17	706.5MHz – 713.5MHz	23 dBm
	10MHz BW LTE-Band 17	709MHz - 711MHz	23 dBm
IMEI:	004999010649993		
Hardware Version:	R1.2		
Software Version:	TF600T_EN_Win8.8428_0.12		

This test report applies for GPRS/EDGE 850 and 1900,WCDMA/HSDPA/HSUPA Band II and Band V, LTE Band 4 and Band 17.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final Amplifier Voltage and Current Information:

Test Mode	DC voltage (V)	DC current (mA)
GPRS 850	3.9Vdc	850
GPRS 1900	3.9Vdc	770
EDGE 850	3.9Vdc	810
EDGE 1900	3.9Vdc	730
WCDMA B2	3.9Vdc	760
WCDMA B5	3.9Vdc	730
HSUPA B2	3.9Vdc	740
HSUPA B5	3.9Vdc	710
HSDPA B2	3.9Vdc	720
HSDPA B5	3.9Vdc	750
LTE B4 1.4M QPSK	3.9 Vdc	720
LTE B4 1.4M 16QAM	3.9 Vdc	680
LTE B4 3M QPSK	3.9 Vdc	730
LTE B4 3M 16QAM	3.9 Vdc	690
LTE B4 5M QPSK	3.9 Vdc	730
LTE B4 5M 16QAM	3.9 Vdc	700
LTE B4 10M QPSK	3.9 Vdc	850
LTE B4 10M 16QAM	3.9 Vdc	810
LTE B17 5M QPSK	3.9 Vdc	710
LTE B17 5M 16QAM	3.9 Vdc	670
LTE B17 10M QPSK	3.9 Vdc	840
LTE B17 10M 16QAM	3.9 Vdc	800

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

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

This submittal(s) (test report) is intended for **FCC ID: MSQTF600L** filing to comply with Section Part 22 subpart H, Part 24 subpart E and Part27 subpart C & subpart L of the FCC CFR 47 Rules.

1.2. Test Methodology

Both conducted and radiated testing were performed according to the procedures document of TIA/EIA 603C and FCC CFR 47.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055 and 2.1057.

The Output power Procedure of KDB941225 (SAR Measurement Procedures for 3G devices, WCDMA / HSPA / LTE) was used for EUT and Base station setting.

1.3. Test Facility

The measurement facilities used to collect the 3m Radiated Emission and AC power line conducted data are located on the address of SGS Lionwan Ltd. Electronics & Communication Laboratory No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 which are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4: 2003. FCC Registration Number are: 990257 and 236194, Canada Registration Number: 4620A-4

The 10 m Open Area Test Sites located on the address of SGS Lionwan Ltd. Electronics & Communication Laboratory No. 29, Pau-Tou-Tsuo Valley Chia-Pau Tsuen, Linkou Hsiang, Lionpei county, which is constructed and calibrated to meet the CISPR 22/EN 55022 requirements. SGS Site No. 1(3 &10 meters) and FCC Registration Number: 94644.

All equipment is calibrated externally and traceable to SI (International System of Unit).

1.4. Special Accessories

Not available for this EUT intended for grant.

1.5. Equipment Modifications

Not available for this EUT intended for grant.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

2. SYSTEM TEST CONFIGURATION

2.1. EUT Configuration

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

2.2. EUT Exercise

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

2.3. Test Procedure

2.3.1 AC Power Line Conducted Emissions

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

2.3.2 Conducted Measurement at Antenna Port:

According to measurement procured TIA/EIA 603C and RSS-Gen Issue 3, the EUT is placed on a turn table which is 0.8 m above ground plane. A low loss of RF cable was used to connect the antenna port of EUT to measurement equipment.

2.3.3 Radiated Emissions (ERP/EIRP):

According to measurement procured TIA/EIA 603C and RSS-Gen Issue 3, The EUT is placed on a 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 and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna according to the requirements in Section 8 and 13 of ANSI C63.4:2003.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 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

Member of SGS Group

2.4. Measurement Equipment Used:

Conducted Emission Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	Agilent	E4446A	MY51100003	04/15/2011	04/14/2013
Spectrum Analyzer	Agilent	E4440A	US41160416	03/17/2012	03/16/2014
Radio Communication Analyzer	R & S	CMU200	102189	08/12/2012	08/11/2014
WIDEB. RADIO COMIN. TESTER	R & S	CMW500	101582	07/12/2012	07/11/2013
Temperature Chamber	TERCHY	MHG-120LF	911009	04/16/2012	04/15/2014
DC Block	Mini-Circuits	BLK-18-S+	1	02/28/2012	02/27/2013
Attenuator	Mini-Circuit	BW-S10W2+	002	02/28/2012	02/27/2013
Splitter	Agilent	11636B	N/A	02/28/2012	02/27/2013
DC Power Supply	Agilent	E3640A	MY40005907	07/15/2011	07/14/2013

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

ERP, EIRP MEASUREMENT EQUIPMENT List 966 Chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	Agilent	E4446A	MY51100003	04/15/2011	04/14/2013
EXA Spectrum Analyzer	Agilent	N9010A	MY50420195	02/15/2011	02/14/2013
Spectrum Analyzer	R&S	FSV-30	101398	10/18/2011	10/17/2013
Bilog Antenna	SCHWAZBECK	VULB9168	378	01/10/2012	01/09/2014
Bilog Antenna	SCHWAZBECK	VULB9160	3158	11/24/2011	11/23/2013
Dipole Antenna	SCHWAZBECK	VHAP	908/909	07/17/2012	07/16/2014
Dipole Antenna	SCHWAZBECK	UHAP	891/892	07/17/2012	07/16/2014
Horn antenna	ETS.LINDGREN	3117	123995	05/19/2011	05/18/2013
Horn antenna	ETS.LINDGREN	3117	123995	05/19/2011	05/18/2013
Horn Antenna	Schwarzbeck	BBHA9170	184	01/17/2012	01/17/2014
Horn Antenna	Schwarzbeck	BBHA9170	185	07/11/2011	07/10/2013
RF amplifier	Miteq	AMF-6F-2600 400-40-8P	971576	12/28/2011	12/27/2012
Signal Generator	R&S	SMR40	100210	02/02/2012	02/01/2014
Signal Generator	Agilent	E4438C	MY45093613	07/15/2011	07/14/2013
Pre-Amplifier	Agilent	8447D	1937A02834	01/04/2012	01/03/2013
Pre-Amplifier	EMC Instruments Corp.	EMC0126530	980038	01/04/2012	01/03/2013
Attenuator	Mini-Circuit	BW-S10W2+	004	02/28/2012	02/27/2013
Radio Communication Analyzer	R & S	CMU200	102189	08/12/2012	08/11/2014
WIDEB. RADIO COMIN. TESTER	R & S	CMW500	101582	07/12/2012	07/11/2014
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	966_Tx	10m	01/04/2012	01/03/2013
Low Loss Cable	HUBER+SUHNER	966_Rx	3m	01/04/2012	01/03/2013
Filter 800-1000	Micro-Tronics	EWT	M2	02/28/2012	02/28/2013
Filter 1800-2000	Micro-Tronics	EWT	M2	02/28/2012	02/28/2013
1GHz High Pass Filter	Micro-Tronics	HPM50108	32	02/28/2012	02/27/2013
2GHz High Pass Filter	Micro-Tronics	HPM50110	36	02/28/2012	02/27/2013
3m Site NSA	SGS	966 chamber	N/A	07/15/2012	07/14/2013

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

2.5. Configuration of Tested System

Fig. 2-1 Configuration of Tested System (Fixed Channel)

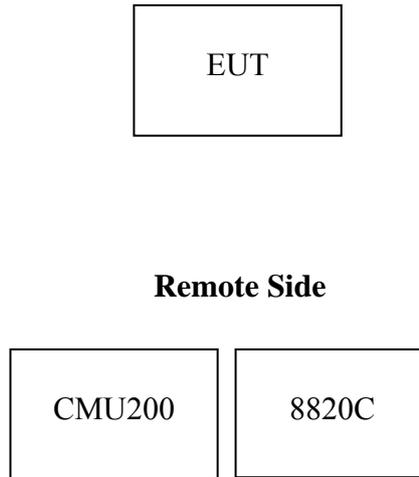


Table 2-1 Equipment Used in Tested System

Item	Equipment	Mfr/Brand	Model/ Type No.	Series No.	Data Cable	Power Cord
1.	Universal Radio Communication Tester	R&S	CMU200	102189	shielded	Un-shielded
2.	Universal Radio Communication Tester	Anritsu	MT8820C	6201004489	shielded	Un-shielded

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, WuKung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

3. SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§2.1046(a) §22.913(a)(2) §24.232(c) §27.50(c)(10) §27.50(d)(4)	RF Power Output	Compliant
§2.1046(a) §22.913(a)(2) §24.232(c) §27.50(c)(10) §27.50(d)(4)	ERP/ EIRP measurement	Compliant
§2.1049(h)	99% Occupied Bandwidth	Compliant
§2.1051 §22.917(a) §24.238(a) §27.53(g)	Out of Band Emissions at Antenna Terminals and Band Edge	Compliant
§2.1053 §22.917(a) §24.238(a) §27.53(c)(2) §27.53(g) §27.53(h)	Field Strength of Spurious Radiation	Compliant
§27.50(i)	Peak to Average Ratio	Compliant
§27.53f	Spurious emission in 1559 -1610MHz Band	N/A
§2.1055(a)(1) §22.355 §24.235 §27.54	Frequency Stability vs. Temperature	Compliant
§2.1055(d)(2) §22.355 §24.235 §27.54	Frequency Stability vs. Voltage	Compliant

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Max ERP/EIRP measurement result:

	dBm		W
GPRS 850 Band	24.60	ERP	0.288
GPRS 1900 Band	32.66	EIRP	1.845
EDGE 850 Band	22.37	ERP	0.173
EDGE 1900 Band	31.86	EIRP	1.535
WCDMA Band II	29.82	EIRP	0.959
WCDMA Band V	19.88	ERP	0.097
HSUPA Band II	28.56	EIRP	0.718
HSUPA Band V	19.87	ERP	0.097
HSDPA Band II	28.74	EIRP	0.748
HSDPA Band V	20.19	ERP	0.104
LTE Band 4/1.4MMz /QPSK RB 1 Offset 5	27.67	EIRP	0.585
LTE Band 4/1.4MMz /16QAM RB 1 Offset 5	28.11	EIRP	0.647
LTE Band 4/1.4MMz /QPSK RB 1 Offset 0	27.40	EIRP	0.550
LTE Band 4/1.4MMz /16QAM RB 1 Offset 0	27.83	EIRP	0.607
LTE Band 4/3MMz /QPSK RB 1 Offset 14	28.86	EIRP	0.769
LTE Band 4/3MMz /16QAM RB 1 Offset 14	28.75	EIRP	0.750
LTE Band 4/3MMz /QPSK RB 1 Offset 0	28.33	EIRP	0.681
LTE Band 4/3MMz /16QAM RB 1 Offset 0	28.50	EIRP	0.708
LTE Band 4/5MMz /QPSK RB 1 Offset 24	24.50	EIRP	0.282
LTE Band 4/5MMz /16QAM RB 1 Offset 24	29.03	EIRP	0.800
LTE Band 4/5MMz /QPSK RB 1 Offset 0	24.14	EIRP	0.259
LTE Band 4/5MMz /16QAM RB 1 Offset 0	27.48	EIRP	0.560
LTE Band 4/10MMz /QPSK RB 1 Offset 49	26.16	EIRP	0.413
LTE Band 4/10MMz /16QAM RB 1 Offset 49	22.31	EIRP	0.170
LTE Band 4/10MMz /QPSK RB 1 Offset 0	29.06	EIRP	0.805
LTE Band 4/10MMz /16QAM RB 1 Offset 0	22.37	EIRP	0.173
LTE Band 17/5MMz /QPSK RB 1 Offset 24	15.56	ERP	0.036
LTE Band 17/5MMz /16QAM RB 1 Offset 24	22.31	ERP	0.170
LTE Band 17/5MMz /QPSK RB 1 Offset 0	17.45	ERP	0.056
LTE Band 17/5MMz /16QAM RB 1 Offset 0	22.37	ERP	0.173
LTE Band 17/10MMz /QPSK RB 1 Offset 49	16.46	ERP	0.044
LTE Band 17/10MMz /16QAM RB 1 Offset 49	14.75	ERP	0.030
LTE Band 17/10MMz /QPSK RB 1 Offset 0	15.22	ERP	0.033
LTE Band 17/10MMz /16QAM RB 1 Offset 0	15.39	ERP	0.035

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

4. DESCRIPTION OF TEST MODES

The EUT has been tested under operating condition.

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

The field strength of spurious radiation emission was measured as EUT stand-up position(H mode)and lie down position (E1, E2 mode) for GPRS/EDGE and WCDMA Band II and V. The worst-case of H position for GPRS850, E2 position for GPRS1900, WCDMA Band II, HSDPA Band V, LTE Band 4 (1.4M, 3M, 5M) and Band 17(5M), E1 position for LTE Band 4(10M) and Band 17(10M) were reported.

In comparison among the RSE data of the all modulations (GPRS/EDGE/WCDMA/HSPA/HSPA+) we found that while the radiation is in GPRS mode, the spurious emission is found to be the worst, and therefore documenting the data of radiated spurious emission on GPRS 850/1900 mode would be representative sufficiently.

The RSE Data for all combinations have been measured, and only the results being measured close to the required limit are shown on the report by correlation.

In comparison among all CSE data of the variety of combination on LTE band 4 & 17, respectively, It's found to generate the highest emission at 1.4M, 3M, 5MHz and 10 MHz Transmission Bandwidth while RB size = 1 with 0 offset. Be aware of that only CSE data that yields the worst measurement with supported modulation scheme (QPSK, 16QAM) are shown on the corresponding section.

For Peak to Average Ratio test, all combination (RB arrangement with different modulation scheme) has been evaluated, the data with the following setting: RB number = 6; Offset = 0 for 1.4MHz with 16QAM, RB number = 15; Offset = 0 for 3MHz with 16QAM, RB number = 25; Offset = 0 for 5MHz with 16QAM, and RB number = 50; Offset = 0 for 10MHz with 16QAM are shown as representative plot on the report.

For Band edge, all combinations has been assessed and measured, only data output the emission close to limit are presented on the corresponding section of this report. The following lists the combinational setting of measurement representation as documents on the report.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Band 4		
QPSK		
	Low Channel	High Channel
1.4MHz	RB Size = 1 ; Offset = 0	RB Size = 1 ; Offset = 5
3MHz	RB Size = 1 ; Offset = 0	RB Size = 1 ; Offset = 14
5MHz	RB Size = 1 ; Offset = 0	RB Size = 1 ; Offset = 24
10MHz	RB Size = 1 ; Offset = 0	RB Size = 1 ; Offset = 49

Band 4		
16QAM		
	Low Channel	High Channel
1.4MHz	RB Size = 1 ; Offset = 0	RB Size = 1 ; Offset = 5
3MHz	RB Size = 1 ; Offset = 0	RB Size = 1 ; Offset = 14
5MHz	RB Size = 1 ; Offset = 0	RB Size = 1 ; Offset = 24
10MHz	RB Size = 1 ; Offset = 0	RB Size = 1 ; Offset = 49

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, WuKungRoad, NewTaipeiIndustrialPark, WukuDistrict, NewTaipeiCity, Taiwan24803/新北市五股區新北產業園區五工路 134 號

Band 17		
QPSK		
	Low Channel	High Channel
5MHz	RB Size = 1 ; Offset = 0	RB Size = 1 ; Offset = 24
10MHz	RB Size = 1 ; Offset = 0	RB Size = 1 ; Offset = 49

Band 17		
16QAM		
	Low Channel	High Channel
5MHz	RB Size = 1 ; Offset = 0	RB Size = 1 ; Offset = 24
10MHz	RB Size = 1 ; Offset = 0	RB Size = 1 ; Offset = 49

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, WuKungRoad, NewTaipeiIndustrialPark, WukuDistrict, NewTaipeiCity, Taiwan24803/新北市五股區新北產業園區五工路 134 號

5. MEASUREMENT UNCERTAINTY FOR FIELD STRENGTH OF SPURIOUS RADIATION

Measurement uncertainty (Polarization : Vertical)	30MHz - 180MHz: 3.37dB
	180MHz -417MHz: 3.19dB
	0.417GHz-1GHz: 3.19dB
	1GHz - 18GHz: 4.04dB
	18GHz - 40GHz: 4.04dB

Measurement uncertainty (Polarization : Horizontal)	30MHz - 167MHz: 4.22dB
	167MHz -500MHz: 3.44dB
	0.5GHz-1GHz: 3.39dB
	1GHz - 18GHz: 4.08dB
	18GHz - 40GHz: 4.08dB

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, WuKung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

6. RF POWER OUTPUT MEASUREMENT

6.1. Standard Applicable:

According to FCC §2.1046.

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

FCC 24.232(c) Peak Power Measurement limited to 2W

Part 27, 50(c)(10) Portable stations are limited to 3W

Part 27, 50(d)(4) Portable stations are limited to 1W

3GPP Power limitation for HSDPA and HSUPA

Maximum Output Powers for HSDPA

Sub-test in table C.10.1.4	Power Class 3		Power Class 4	
	Power (dBm)	Tol (dB)	Power (dBm)	Tol (dB)
1	+24	+1.7/-3.7	+21	+2.7/-2.7
2	+24	+1.7/-3.7	+21	+2.7/-2.7
3	+23.5	+2.2/-3.7	+20.5	+3.2/-2.7
4	+23.5	+2.2/-3.7	+20.5	+3.2/-2.7

Maximum Output Powers for HSUPA

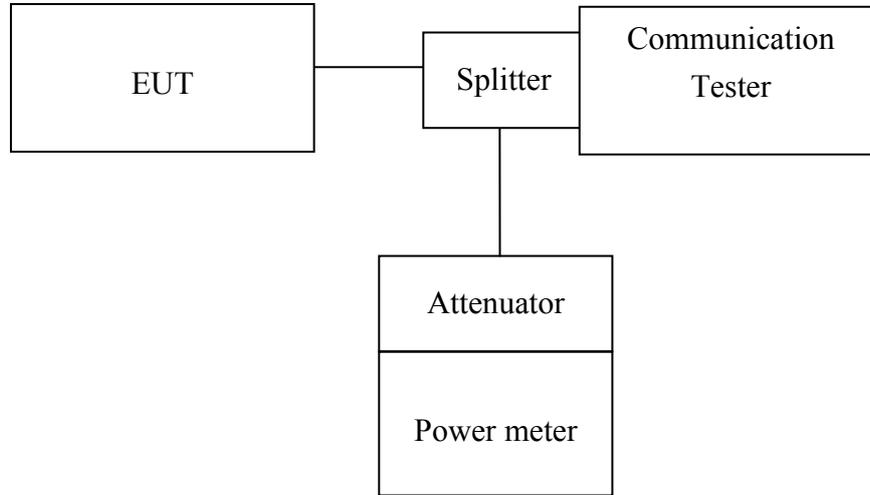
Sub-test in table C.11.1.3	Power Class 3		Power Class 4	
	Power (dBm)	Tol (dB)	Power (dBm)	Tol (dB)
1	+24	+1.7/-6.7	+21	+2.7/-5.7
2	+22	+3.7/-5.2	+19	+4.7/-4.2
3	+23	+2.7/-5.2	+20	+3.7/-4.2
4	+22	+3.7/-5.2	+19	+4.7/-4.2
5	+24	+1.7/-6.7	+21	+2.7/-5.7

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, WuKung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

6.2. Test Set-up:



Note: Measurement setup for testing on Antenna connector

6.3. Measurement Procedure:

The transmitter output was connected to a calibrated attenuator, the other end of which was connected to a power meter. Transmitter output was read off the power meter in dBm. The power output at the transmitter antenna port was determined by adding the value of the attenuator to the power meter reading. The Procedure of KDB941225 (SAR Measurement Procedures for 3G devices, WCDMA/HSPA/LTE) was used for EUT and Base station setting. RMC 12.2kps is used for this testing

6.4. Measurement Equipment Used:

Refer to section 2.4 in this report

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

6.5. Measurement Result:

6.5.1. RF Conducted Output Power

6.5.1.1.: GSM/EDGE (GMSK; 8-PSK)

Result:

EUT Mode	Frequency (MHz)	CH	Peak Power (1DN 1UP) (dBm)	Avg. Power (1DN 1UP) (dBm)	Peak Power (1DN 2UP) (dBm)	Avg. Power (1DN 2UP) (dBm)
GPRS 850 (Class 10)	824.2	128	33.00	32.40	33.00	32.40
	836.6	190	33.10	32.60	33.10	32.50
	848.8	251	33.10	32.60	33.10	32.60

EUT Mode	Frequency (MHz)	CH	Peak Power (1DN 1UP) (dBm)	Avg. Power (1DN 1UP) (dBm)	Peak Power (1DN 2UP) (dBm)	Avg. Power (1DN 2UP) (dBm)
GPRS 1900 (Class 10)	1850.2	512	30.60	30.00	30.50	29.90
	1880.0	661	30.80	30.20	30.70	30.10
	1909.8	810	30.70	30.30	30.70	30.30

EUT Mode	Frequency (MHz)	CH	Peak Power (1DN 1UP) (dBm)	Avg. Power (1DN 1UP) (dBm)	Peak Power (1DN 2UP) (dBm)	Avg. Power (1DN 2UP) (dBm)
EDGE 850 (Class 10)	824.2	128	28.40	25.30	27.70	24.70
	836.6	190	28.20	25.10	27.60	24.50
	848.8	251	28.00	24.90	27.30	24.20

EUT Mode	Frequency (MHz)	CH	Peak Power (1DN 1UP) (dBm)	Avg. Power (1DN 1UP) (dBm)	Peak Power (1DN 2UP) (dBm)	Avg. Power (1DN 2UP) (dBm)
EDGE 1900 (Class 10)	1850.2	512	28.90	26.00	28.50	25.40
	1880.0	661	28.80	25.70	28.30	25.10
	1909.8	810	28.50	25.30	28.10	24.80

Cable loss: GPRS 850:4.21 dB; GPRS1900:4.86 dB

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

6.5.1.2.: WCDMA mode

The following tests were completed according to the test requirements outlined in section 5.2 of the 3GPP TS34.121-1 V8.4.0 specification. The EUT supports power Class 3, which has a nominal maximum output power of 24 dBm (+1.7/-3.7). RMC 12.2kps is used for this testing.

Results:

EUT Mode	Frequency (MHz)	CH	Peak Power (dBm)	Avg Power (dBm)
WCDMA Band II	1852.4	9262	25.71	22.75
	1880.0	9400	25.64	22.57
	1907.6	9538	25.42	22.26

EUT Mode	Frequency (MHz)	CH	Peak Power (dBm)	Avg Power (dBm)
WCDMA Band V	826.40	4132	26.24	23.35
	836.60	4183	26.18	23.28
	846.60	4233	25.67	22.58

EUT Mode	Frequency (MHz)	CH	Peak Power (dBm)	Avg Power (dBm)
HSDPA Band II	1852.40	9262	25.71	22.42
	1880.00	9400	25.67	22.35
	1907.60	9538	25.64	22.13

EUT Mode	Frequency (MHz)	CH	Peak Power (dBm)	Avg Power (dBm)
HSDPA Band V	826.40	4132	26.34	23.08
	836.60	4183	26.37	23.03
	846.60	4233	25.83	22.42

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

EUT Mode	Frequency (MHz)	CH	Peak Power (dBm)	Avg Power (dBm)
HSUPA Band II	1852.40	9262	25.72	22.41
	1880.00	9400	25.67	22.33
	1907.60	9538	25.52	22.03

EUT Mode	Frequency (MHz)	CH	Peak Power (dBm)	Avg Power (dBm)
HSUPA Band V	826.40	4132	26.38	23.11
	836.60	4183	26.42	23.05
	846.60	4233	25.83	22.37

Cable loss: WCDMA/HSDPA/HSUPA Band II: 4.86 dB

WCDMA/HSDPA/HSUPA Band V: 4.21 dB

Note: The results above reflect max power with all up bits.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, WuKung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

6.5.1.3.: MPR Table

LTE Band 4 _1.4 MHz

BW (MHz)	Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Conducted power(dBm)
1.4	QPSK	19957	1710.7	1	5	22.68
				1	0	22.42
				3	2	22.45
				6	0	22.29
		20175	1732.5	1	5	22.29
				1	0	22.53
				3	2	22.48
				6	0	22.20
		20393	1754.3	1	5	22.26
				1	0	22.43
				3	2	22.29
				6	0	22.24
1.4	16 QAM	19957	1710.7	1	5	22.43
				1	0	22.00
				3	2	22.01
				6	0	21.43
		20175	1732.5	1	5	21.94
				1	0	22.19
				3	2	21.77
				6	0	21.25
		20393	1754.3	1	5	22.16
				1	0	22.31
				3	2	22.15
				6	0	21.28

***This device does not have MPR function.**

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

LTE Band 4 _3 MHz

BW (MHz)	Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Conducted power(dBm)
3	QPSK	19965	1711.5	1	14	22.66
				1	0	22.45
				8	4	22.43
				15	0	22.32
		20175	1732.5	1	14	22.27
				1	0	22.49
				8	4	22.06
				15	0	22.03
		20385	1753.5	1	14	22.29
				1	0	22.53
				8	4	22.27
				15	0	22.24
3	16 QAM	19965	1711.5	1	14	22.46
				1	0	21.88
				8	4	21.51
				15	0	21.44
		20175	1732.5	1	14	21.91
				1	0	21.89
				8	4	21.21
				15	0	21.04
		20385	1753.5	1	14	22.09
				1	0	22.42
				8	4	21.47
				15	0	21.42

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

LTE Band 4 _5 MHz

BW (MHz)	Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Conducted power(dBm)
5	QPSK	19975	1712.5	1	24	22.59
				1	0	22.40
				12	6	22.37
				25	0	22.24
		20175	1732.5	1	24	22.16
				1	0	22.41
				12	6	21.82
				25	0	21.91
		20375	1752.5	1	24	22.04
				1	0	22.55
				12	6	22.49
				25	0	22.28
5	16 QAM	19975	1712.5	1	24	22.44
				1	0	21.75
				12	6	21.47
				25	0	21.35
		20175	1732.5	1	24	21.66
				1	0	21.89
				12	6	21.08
				25	0	21.01
		20375	1752.5	1	24	21.79
				1	0	22.39
				12	6	21.63
				25	0	21.51

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

LTE Band 4 _10 MHz

BW (MHz)	Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Conducted power(dBm)
10	QPSK	20000	1715	1	49	22.40
				1	0	21.95
				25	12	22.59
				50	0	22.29
		20175	1732.5	1	49	21.81
				1	0	22.28
				25	12	22.22
				50	0	22.08
		20350	1750	1	49	21.91
				1	0	22.38
				25	12	22.70
				50	0	22.40
10	16 QAM	20000	1715	1	49	21.98
				1	0	21.57
				25	12	21.55
				50	0	21.39
		20175	1732.5	1	49	21.45
				1	0	21.82
				25	12	21.28
				50	0	21.09
		20350	1750	1	49	21.67
				1	0	22.08
				25	12	21.83
				50	0	21.59

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

LTE Band 17 _5 MHz

BW (MHz)	Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Conducted power(dBm)
5	QPSK	23755	706.5	1	24	22.81
				1	0	22.50
				12	6	22.28
				25	0	22.24
		23790	710	1	24	22.92
				1	0	22.89
				12	6	22.99
				25	0	22.87
		23825	713.5	1	24	22.05
				1	0	22.41
				12	6	22.73
				25	0	22.53
5	16 QAM	23755	706.5	1	24	22.39
				1	0	21.94
				12	6	21.32
				25	0	21.31
		23790	710	1	24	22.12
				1	0	22.04
				12	6	22.02
				25	0	21.90
		23825	713.5	1	24	21.31
				1	0	21.42
				12	6	21.91
				25	0	21.72

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

LTE Band 17 _10 MHz

BW (MHz)	Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Conducted power(dBm)
10	QPSK	23780	709	1	49	22.85
				1	0	22.31
				25	12	23.20
				50	0	22.87
		23790	710	1	49	23.11
				1	0	22.51
				25	12	23.01
				50	0	22.58
		23800	711	1	49	21.72
				1	0	23.02
				25	12	22.91
				50	0	22.39
10	16 QAM	23780	709	1	49	22.40
				1	0	21.87
				25	12	22.22
				50	0	21.99
		23790	710	1	49	22.28
				1	0	22.13
				25	12	22.09
				50	0	21.65
		23800	711	1	49	20.88
				1	0	22.25
				25	12	21.87
				50	0	21.55

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, WuKungRoad, NewTaipeiIndustrialPark, WukuDistrict, NewTaipeiCity, Taiwan24803/新北市五股區新北產業園區五工路 134 號

6.5.1.4.:HSDPA Release 6 mode

The following 4 Sub-Tests were completed according to the test requirements outlined in section 5.2A of the 3GPP TS34.121-1 V8.4.0 specification. All TX RMS power requirements for Power Class 3 were met according to table 5.2AA.5 and 5.2B.5 All UE channels and power ratio's are set according to table C10.1.4 & C11.1.3 in the 3GPP TS34.121-1 V8.4.0. RMC 12.2kps is used for this testing

HSDPA SUB-TEST Setting

Table C.10.1.4: β values for transmitter characteristics tests with HS-DPCCH(FOR HSDPA)

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS} (Note 1, Note 2)	CM (dB) (Note 3)	MPR (dB) (Note 3)	RMC (Kbps)
1	2/15	15/15	64	2/15	4/15	0.0	0.0	12.2
2	12/15 (Note 4)	15/15 (Note 4)	64	12/15 (Note 4)	24/15	1.0	0.0	12.2
3	15/15	8/15	64	15/8	30/15	1.5	0.5	12.2
4	15/15	4/15	64	15/4	30/15	1.5	0.5	12.2

Note: The recommended HSDPA MPRs are implemented as per following sub-tests.

Results:

Mode	Sub-test	Avg. Power (dBm) Channel			Power Class 3 Limita- tion (dBm)	Comments
		9262	9400	9538		
HSDPA B2	1	22.92	22.46	22.12	20.3dBm – 25.7dBm	Pass
	2	22.63	22.43	22.11	20.3dBm – 25.7dBm	Pass
	3	22.44	22.01	21.59	19.8dBm – 25.7dBm	Pass
	4	22.51	22.02	21.71	19.8dBm – 25.7dBm	Pass

Mode	Sub-test	Avg. Power (dBm) Channel			Power Class 3 Limita- tion (dBm)	Comments
		4132	4183	4233		
HSDPA B5	1	23.14	23.14	22.70	20.3dBm – 25.7dBm	Pass
	2	23.28	23.17	22.45	20.3dBm – 25.7dBm	Pass
	3	22.68	22.66	22.21	19.8dBm – 25.7dBm	Pass
	4	22.73	22.70	22.27	19.8dBm – 25.7dBm	Pass

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

6.5.1.5.: HSPA (HSDPA & HSUPA) Release 6 mode

The following 5 Sub-Tests were completed according to the test requirements outlined in section 5.2A of the 3GPP TS34.121-1 V8.4.0 specification. All TX RMS power requirements for Power Class 3 were met according to table 5.2AA.5 and 5.2B.5 All UE channels and power ratio's are set according to table C11.1.3 in the 3GPP TS34.121-1 V8.4.0. RMC 12.2kps is used for this testing

HSPA SUB-TEST Setting

Table C.11.1.3: β values for transmitter characteristics tests with HS-DPCCH and E-DCH(FOR HSUPA)

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS}	β_{ec}	β_{ed}	β_{ed} (SF)	β_{ed} (Codes)	CM (dB)	MPR (dB)	AG Index	E-TFCI	RMC (Kbps)
1	11/15 (Note 3)	15/15 (Note 3)	64	11/15 (Note 3)	22/15	209/225	1309/225	4	1	1.0	0.0	20	75	12.2
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67	12.2
3	15/15	9/15	64	15/9	30/15	30/15	$\beta_{ed1}: 47/15$ $\beta_{ed2}: 47/15$	4 4	2	2.0	1.0	15	92	12.2
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71	12.2
5	15/15 (Note 4)	15/15 (Note 4)	64	15/15 (Note 4)	30/15	24/15	134/15	4	1	1.0	0.0	21	81	12.2

Note: The recommended HSUPA MPRs are implemented as per following sub-tests.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Results:

Mode	Sub-test	Avg. Power (dBm) Channel			Power Class 3 Limita- tion (dBm)	Comments
		9262	9400	9538		
HSUPA B2	1	22.67	22.55	22.20	18.8dBm – 25.7dBm	Pass
	2	20.72	20.62	20.24	16.8dBm – 25.7dBm	Pass
	3	21.73	21.57	21.28	17.8dBm – 25.7dBm	Pass
	4	20.85	20.67	20.28	16.8dBm – 25.7dBm	Pass
	5	22.56	22.41	22.11	18.8dBm – 25.7dBm	Pass

Mode	Sub-test	Avg. Power (dBm) Channel			Power Class 3 Limita- tion (dBm)	Comments
		4132	4183	4233		
HSUPA B5	1	23.31	23.21	22.50	18.8dBm – 25.7dBm	Pass
	2	21.37	21.29	20.54	16.8dBm – 25.7dBm	Pass
	3	22.35	22.27	21.58	17.8dBm – 25.7dBm	Pass
	4	21.42	21.35	20.62	16.8dBm – 25.7dBm	Pass
	5	23.17	23.04	22.39	18.8dBm – 25.7dBm	Pass

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

6.5.2. Minimum Communications Power Measurement PCS 1900 band

PCL	0	1	2	3	4	5	6	7	8	9
Output power (dBm)	29.5	26.5	24.8	23.1	21	19.1	17.1	15	12.8	11.1
PCL	10	11	12	13	14	15				
Output power (dBm)	9	7	5	3.1	1.2	-0.9				

Note: The EUT output power was controlled by simulator. Set Communication Tester CMU200 PCL as above, and get the mobile phone output power reading.

WCDMA/HSDPA/HSUPA band II

The EUT output power was controlled by simulator. Set Communication Tester CMU200 function key “UE Power Control” and enter max rated power 24dBm. The EUT is going to be set to max output power to 24dBm. then record the read(see page 15 for measurement data) . The min. power was measures by a function key “minimum power” then record the read. It is -52.3dBm. The power variation can be 0.1dB step by setting.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

7. PEAK TO AVERAGE RATIO

7.1. Standard Applicable:

FCC 27.50(i)

Peak transmit power shall be measured over any interval of continuous transmission using instrumentation calibrated in terms of rms-equivalent voltage.

The measurement results shall be properly adjusted for any instrument limitations, such as detector response times, limited resolution bandwidth capability when compared to the emission bandwidth, etc., so as to obtain a true peak measurement for the emission in question over the full bandwidth of the channel.

To measure transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission shall not exceed 13 dB.

7.2. Test SET-UP (Block Diagram of Configuration):

Refer to section 2.4 in this report

7.3. Measurement Procedure:

Set resolution/measurement bandwidth \geq signal's occupied bandwidth;

Set the number of counts to a value that stabilizes the measured CCDF curve;

7.4. Measurement Result:

Refer to next page for plot.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, WuKung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 7-1: 1.4MHz BW LTE-Band 4(16QAM Number: 6 Offset: 0) Channel Low

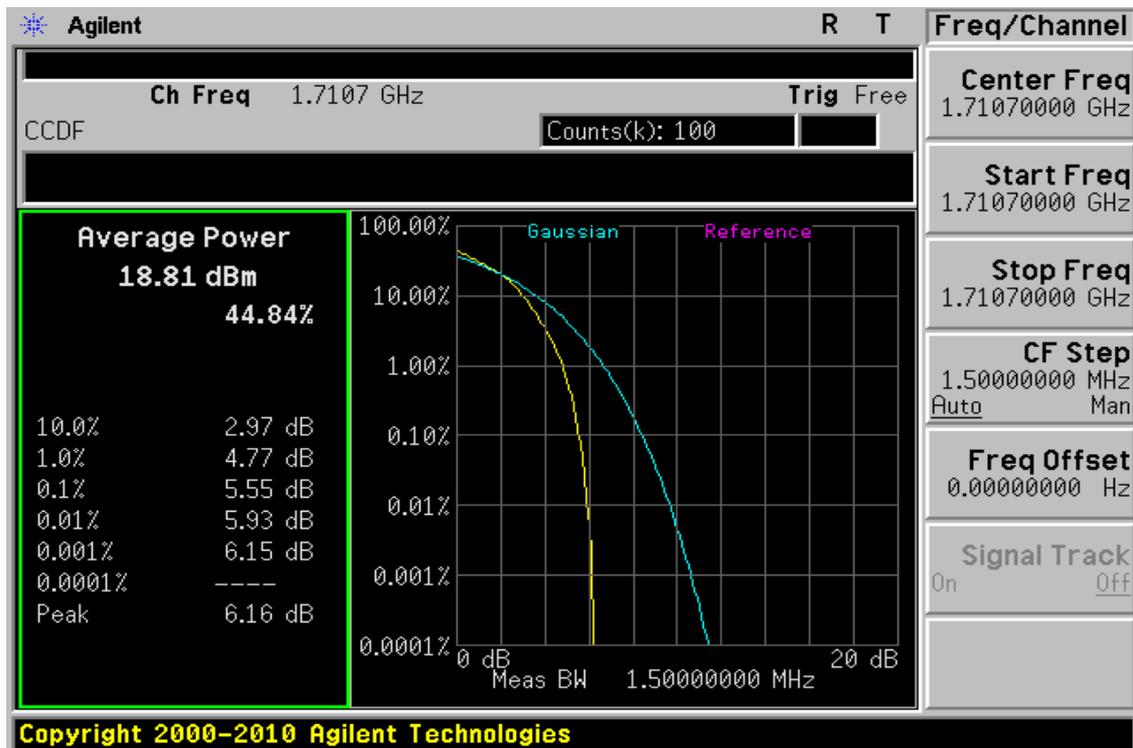
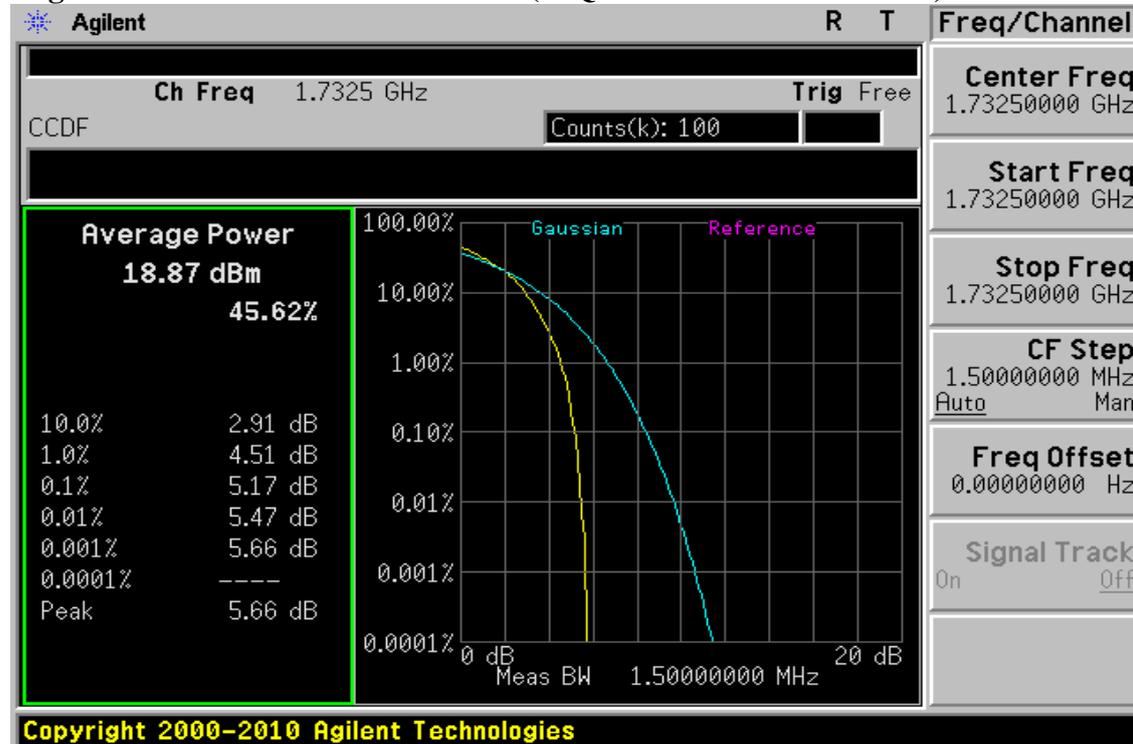


Figure 7-2: 1.4MHz BW LTE-Band 4(16QAM Number: 6 Offset: 0) Channel Mid

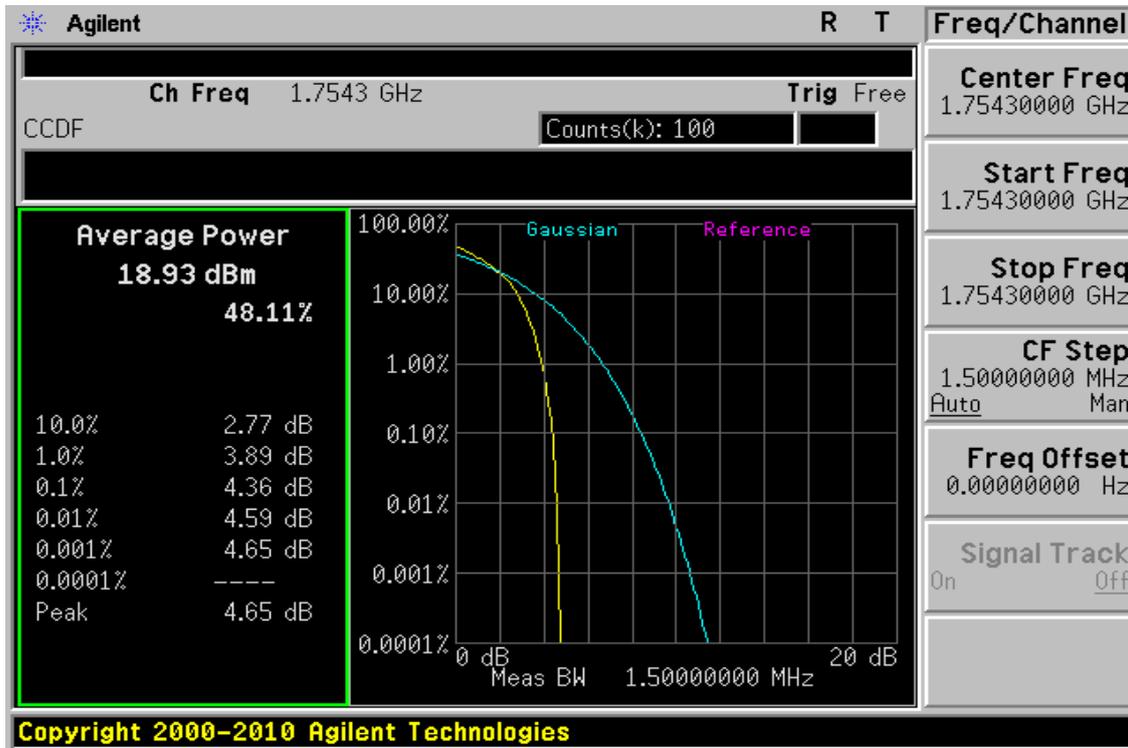


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

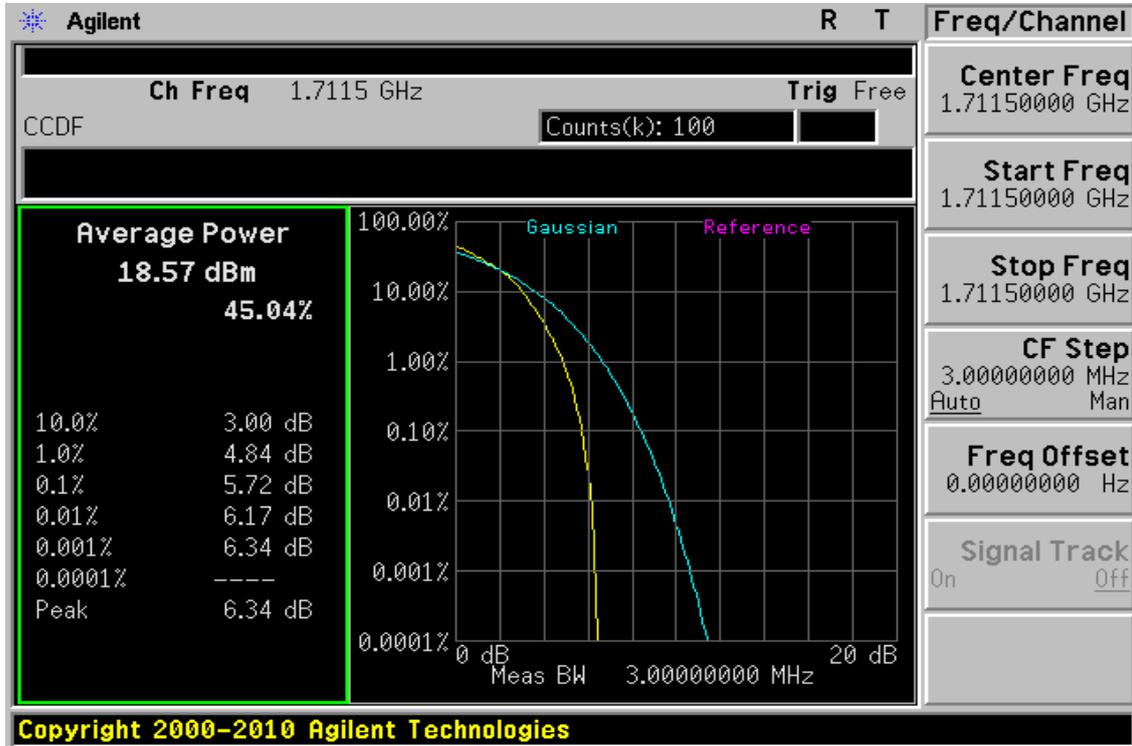
SGS Taiwan Ltd. No. 134, WuKung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 7-3: 1.4MHz BW LTE-Band 4(16QAM Number: 6 Offset: 0) Channel High



Copyright 2000-2010 Agilent Technologies

Figure 7-4: 3MHz BW LTE-Band 4(16QAM Number: 15 Offset: 0) Channel Low



Copyright 2000-2010 Agilent Technologies

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, WuKungRoad, NewTaipeiIndustrialPark, WukuDistrict, NewTaipeiCity, Taiwan24803/新北市五股區新北產業園區五工路 134 號

Figure 7-5: 3MHz BW LTE-Band 4(16QAM Number: 15 Offset: 0) Channel Mid

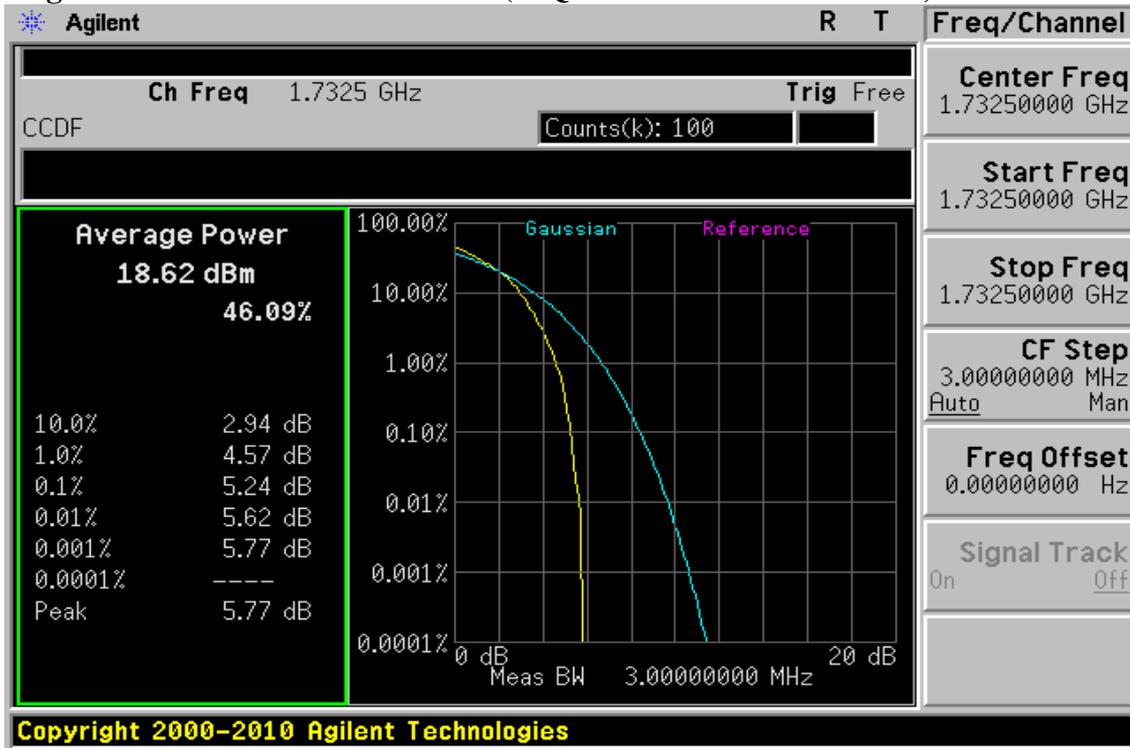
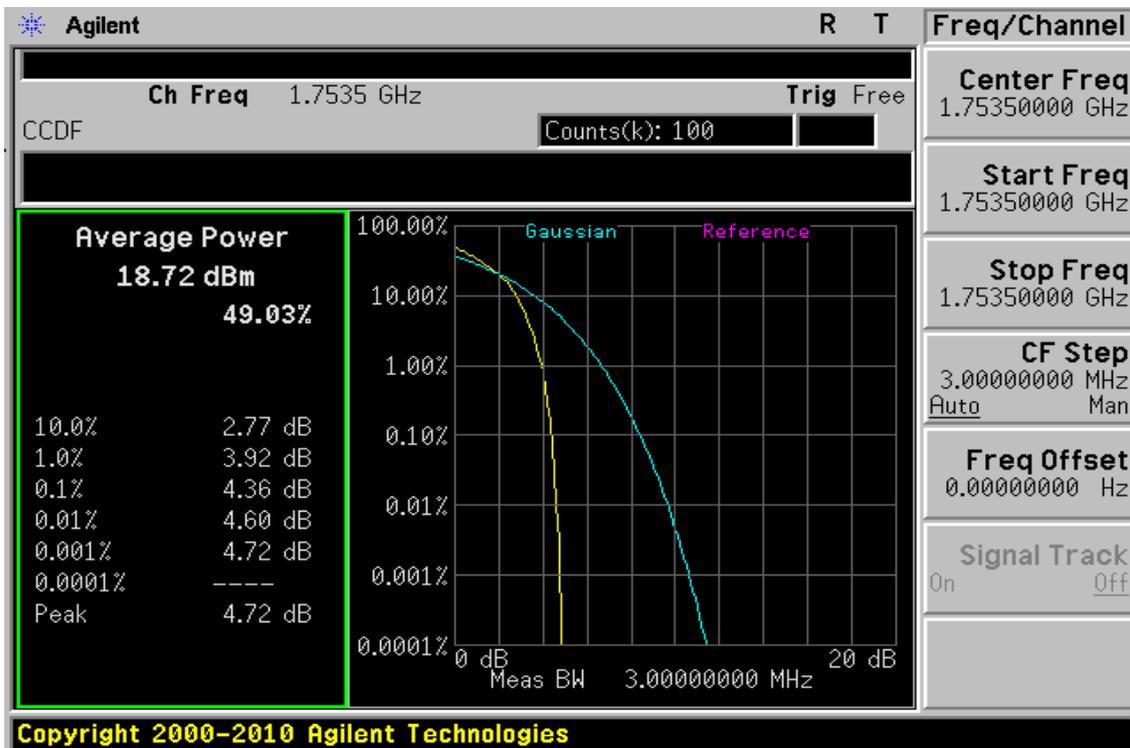


Figure 7-6: 3MHz BW LTE-Band 4(16QAM Number: 15 Offset: 0) Channel High



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 7-7: 5MHz BW LTE-Band 4(16QAM Number: 25 Offset: 0) Channel Low

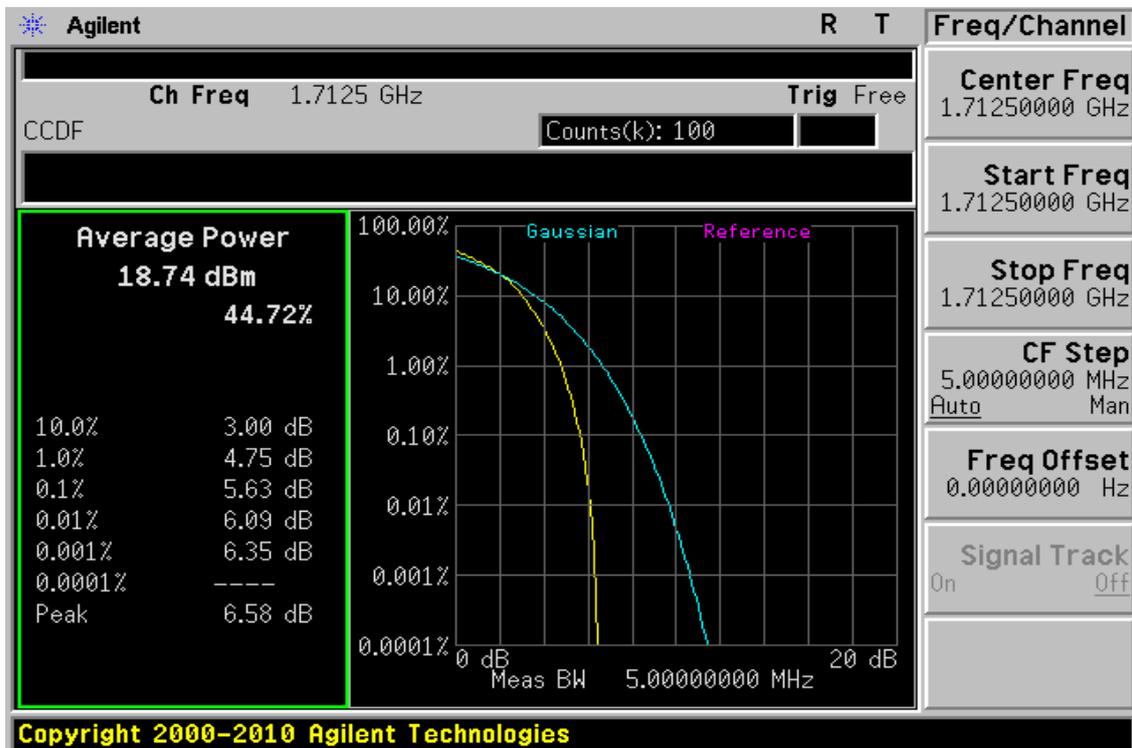
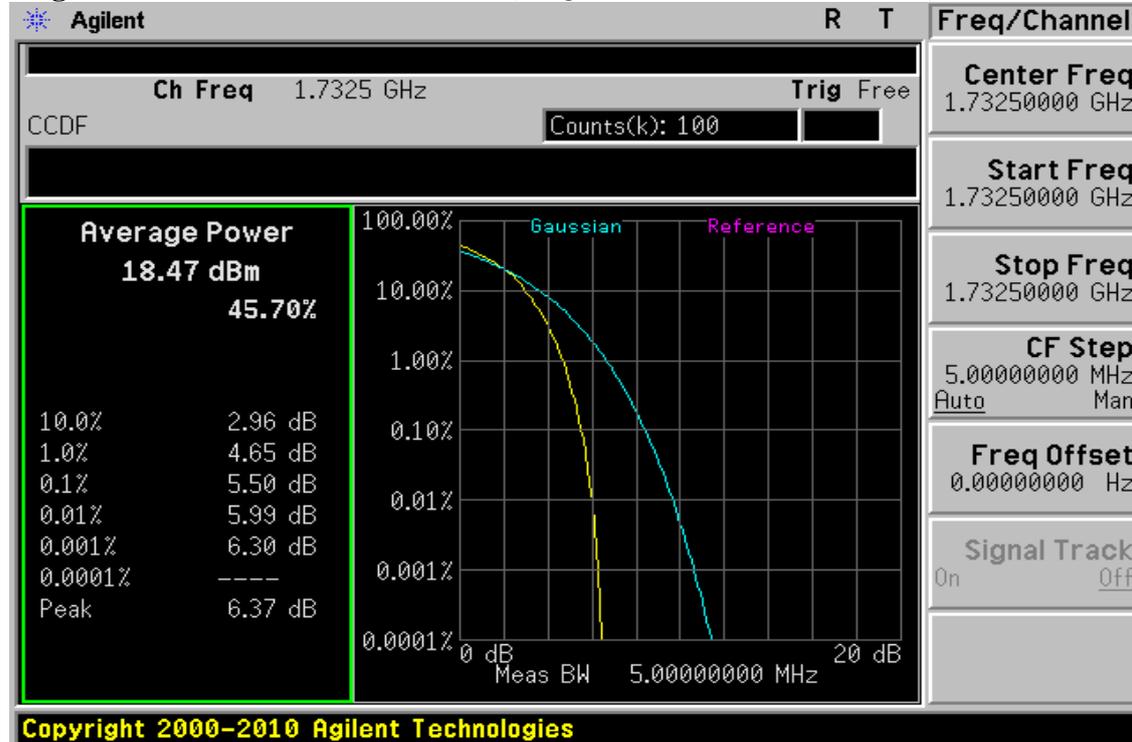


Figure 7-8: 5MHz BW LTE-Band 4(16QAM Number: 25 Offset: 0) Channel Mid



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

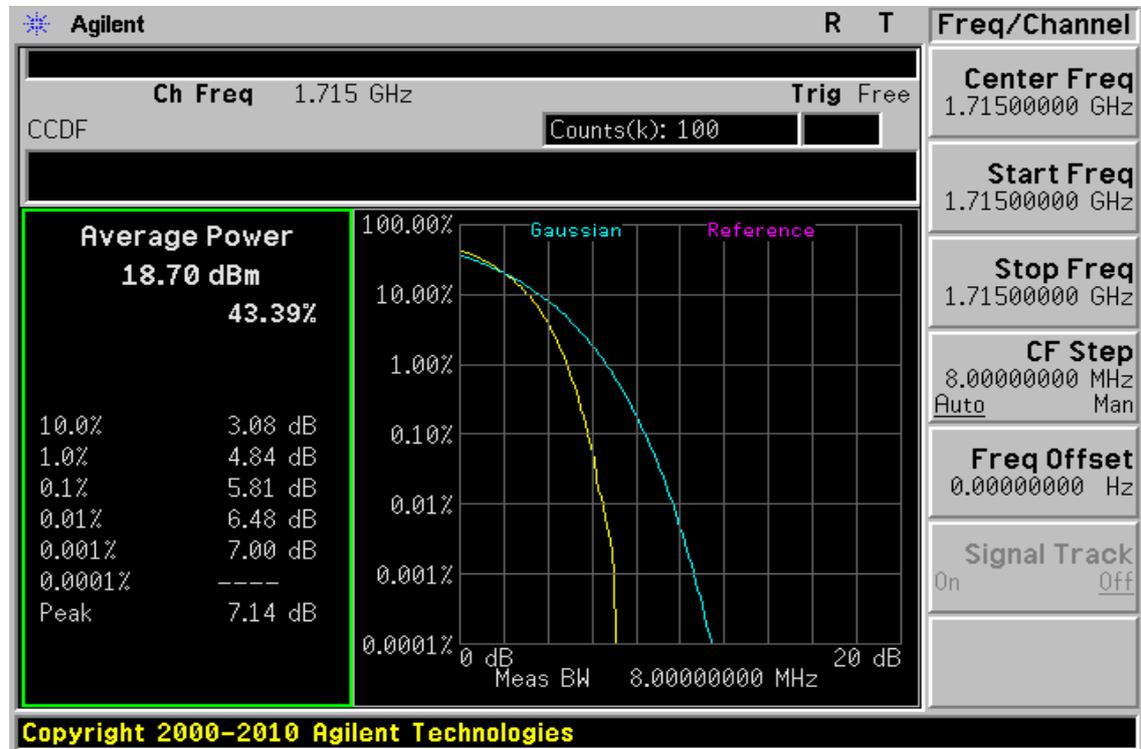
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, WuKungRoad, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 7-9: 5MHz BW LTE-Band 4(16QAM Number: 25 Offset: 0) Channel High



Figure 7-10: 10MHz BW LTE-Band 4(16QAM Number: 50 Offset: 0) Channel Low



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Figure 7-11: 10MHz BW LTE-Band 4(16QAM Number: 50 Offset: 0) Channel Mid

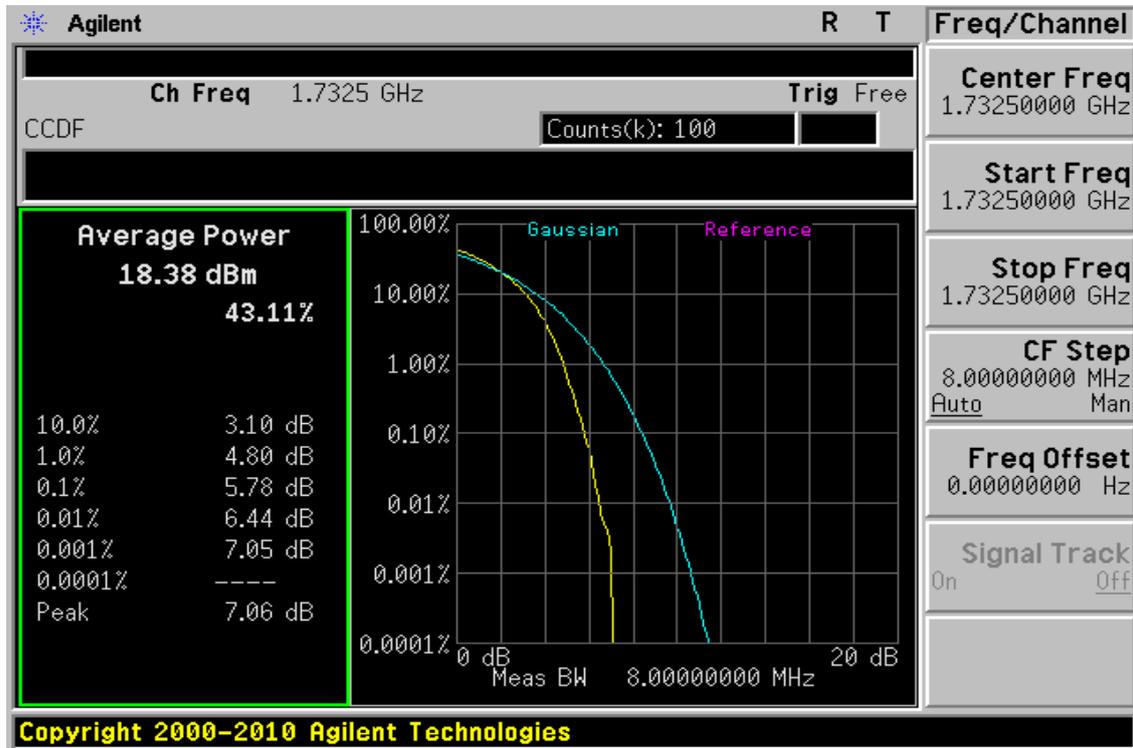


Figure 7-12: 10MHz BW LTE-Band 4(16QAM Number: 50 Offset: 0) Channel High



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Figure 7-13: 5MHz BW LTE-Band 17(16QAM Number: 25 Offset: 0) Channel Low

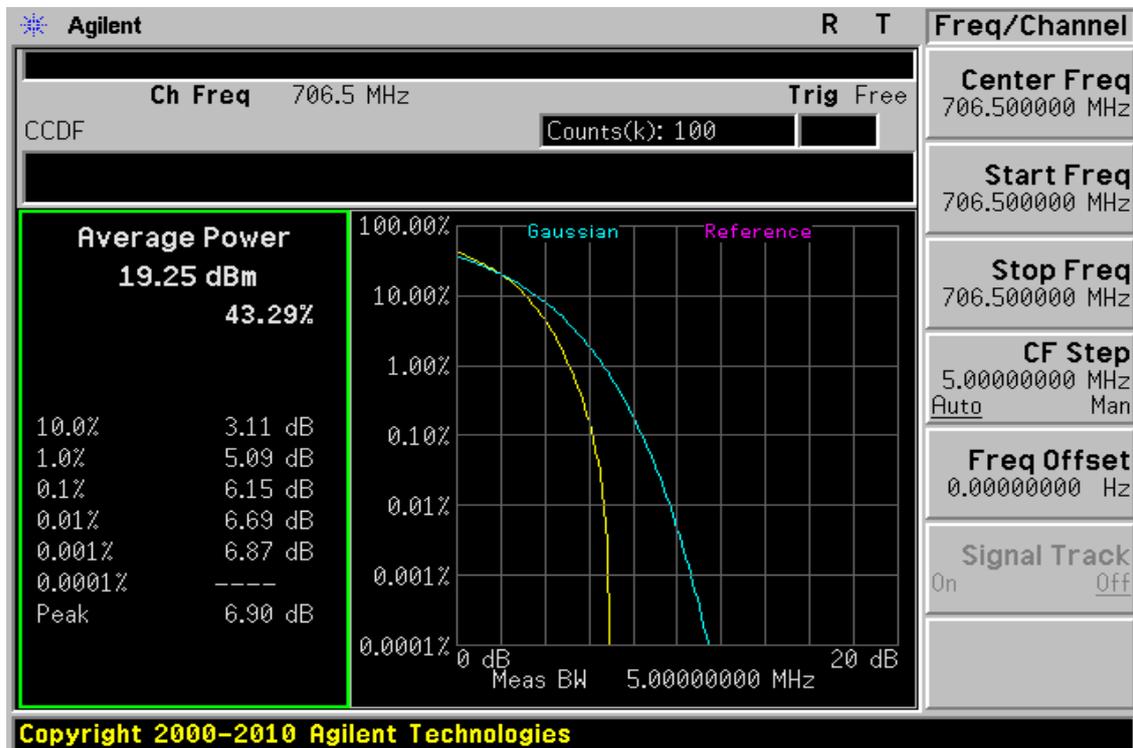
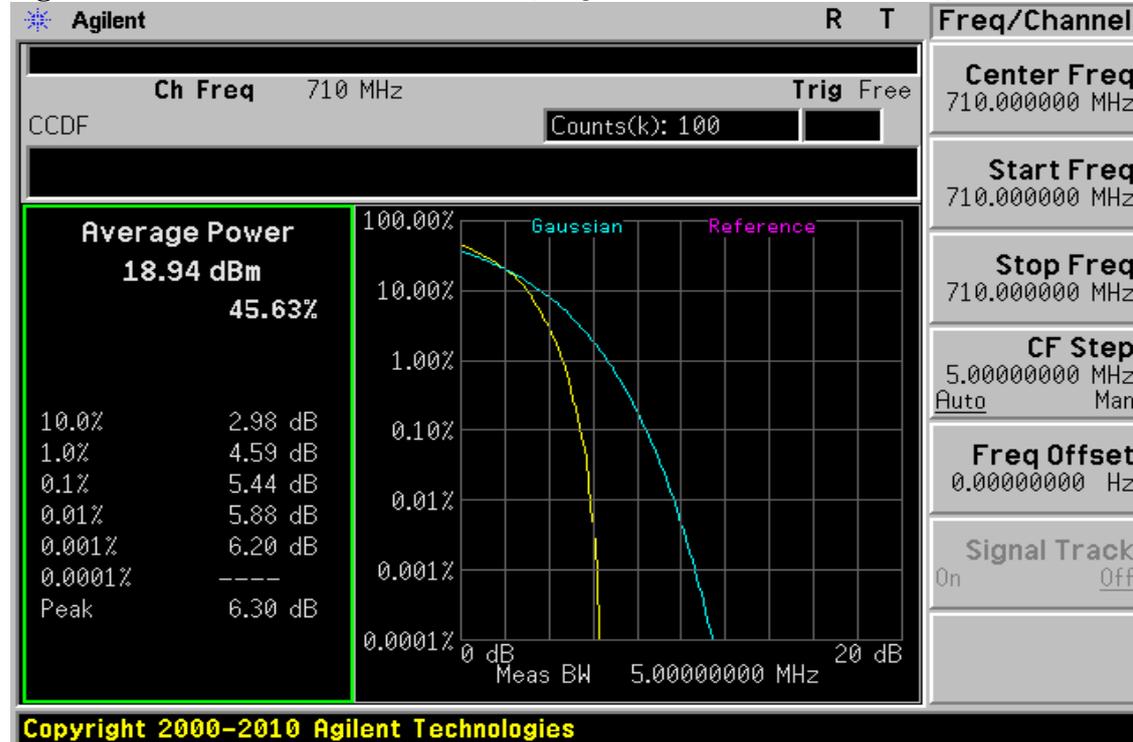


Figure 7-14: 5MHz BW LTE-Band 17(16QAM Number: 25 Offset: 0) Channel Mid



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, WuKungRoad, NewTaipeiIndustrialPark, WukuDistrict, NewTaipeiCity, Taiwan24803/新北市五股區新北產業園區五工路 134 號

Figure 7-15: 5MHz BW LTE-Band 17(16QAM Number: 25 Offset: 0) Channel High

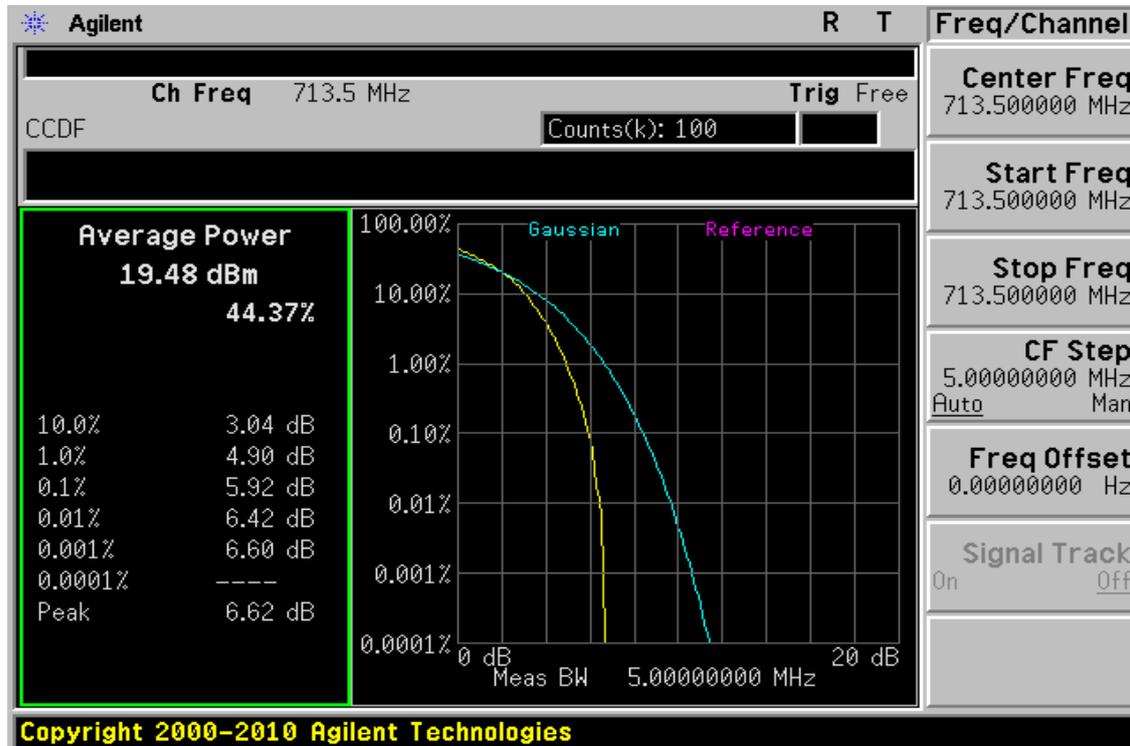
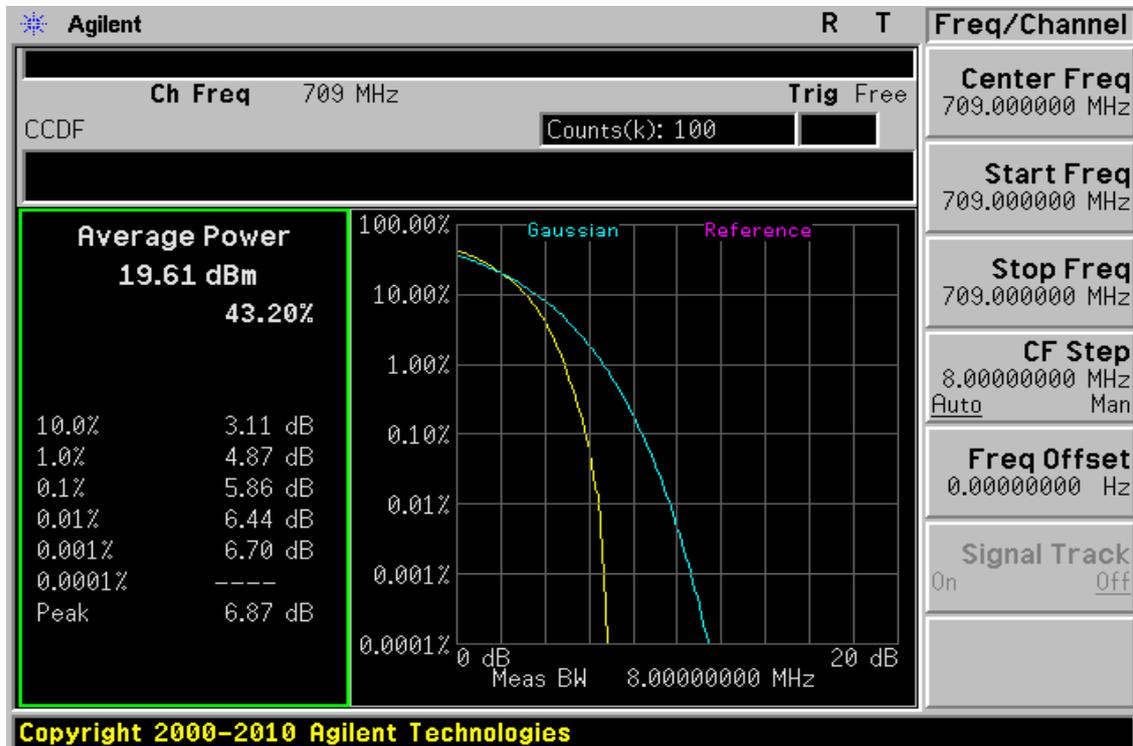


Figure 7-16: 10MHz BW LTE-Band 17(16QAM Number: 50 Offset: 0) Channel Low



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, WuKungRoad, NewTaipeiIndustrialPark, WukuDistrict, NewTaipeiCity, Taiwan24803/新北市五股區新北產業園區五工路 134 號

Figure 7-17: 10MHz BW LTE-Band 17(16QAM Number: 50 Offset: 0) Channel Mid

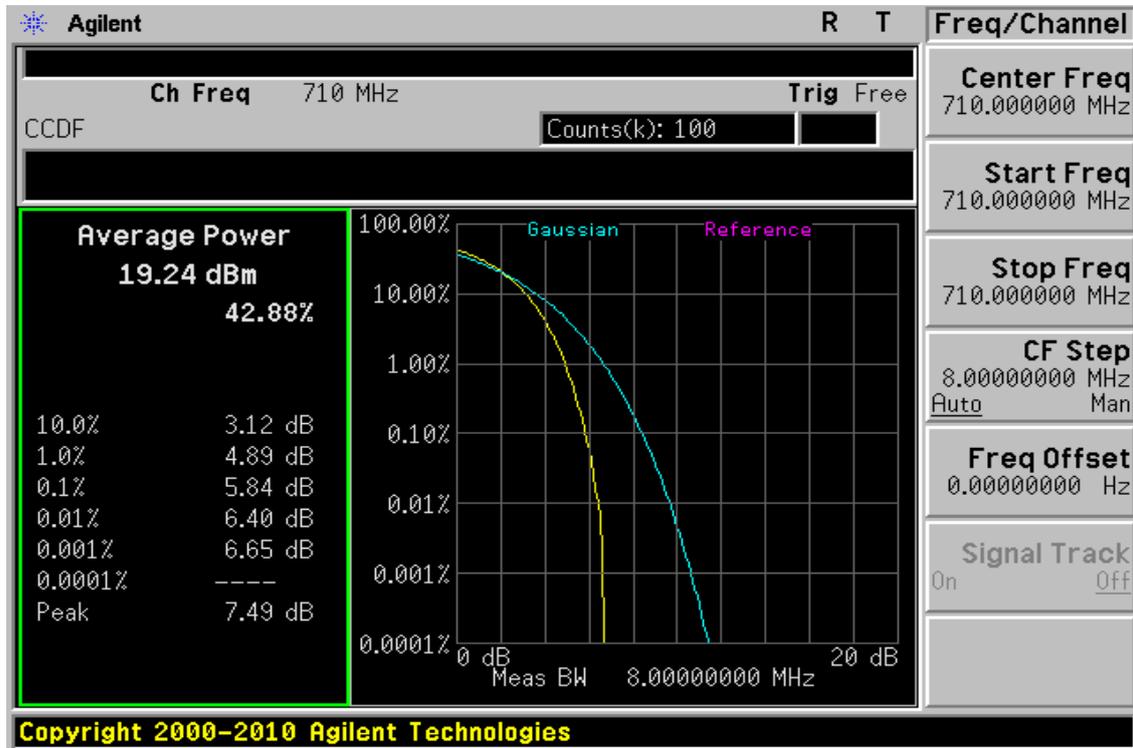


Figure 7-18: 10MHz BW LTE-Band 17(16QAM Number: 50 Offset: 0) Channel High



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

8. ERP, EIRP MEASUREMENT

8.1. Standard Applicable:

According to FCC §2.1046

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

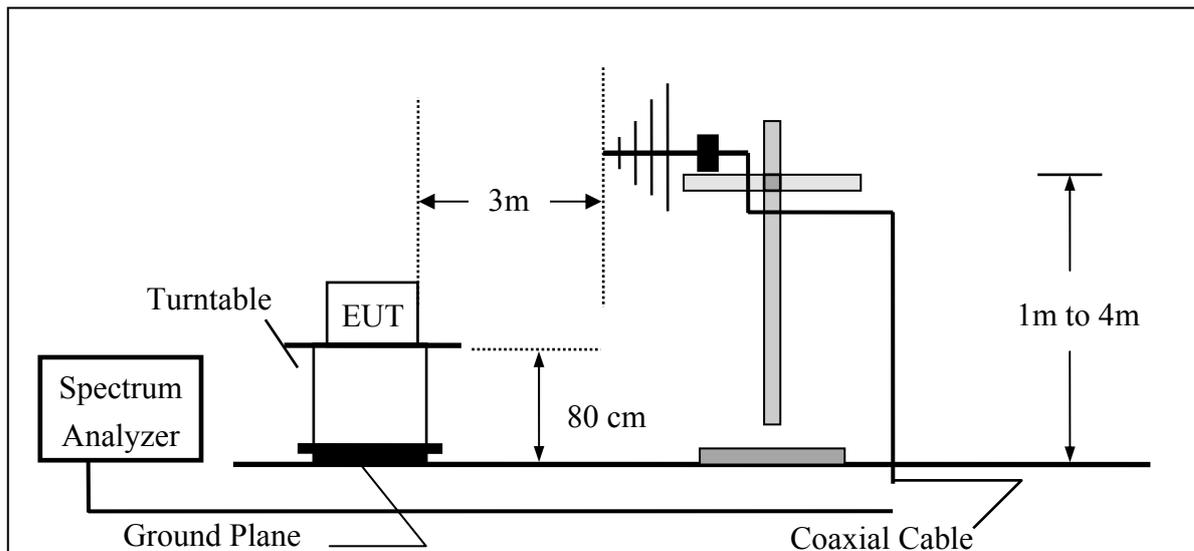
FCC 24.232(b) Mobile station are limited to 2W EIRP.

FCC 27.50(d)(2) Fixed, mobile, and portable (hand-held) stations are limited to 1W EIRP.

FCC 27.50(c)(10) Portable station are limited to 3W ERP.

8.2. Test SET-UP (Block Diagram of Configuration):

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

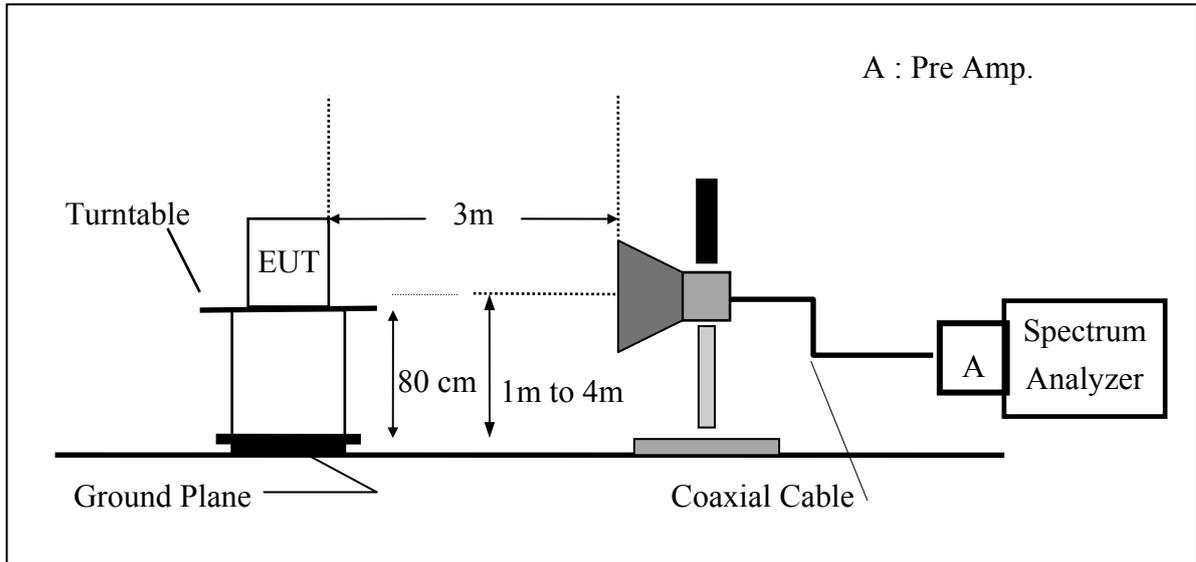


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

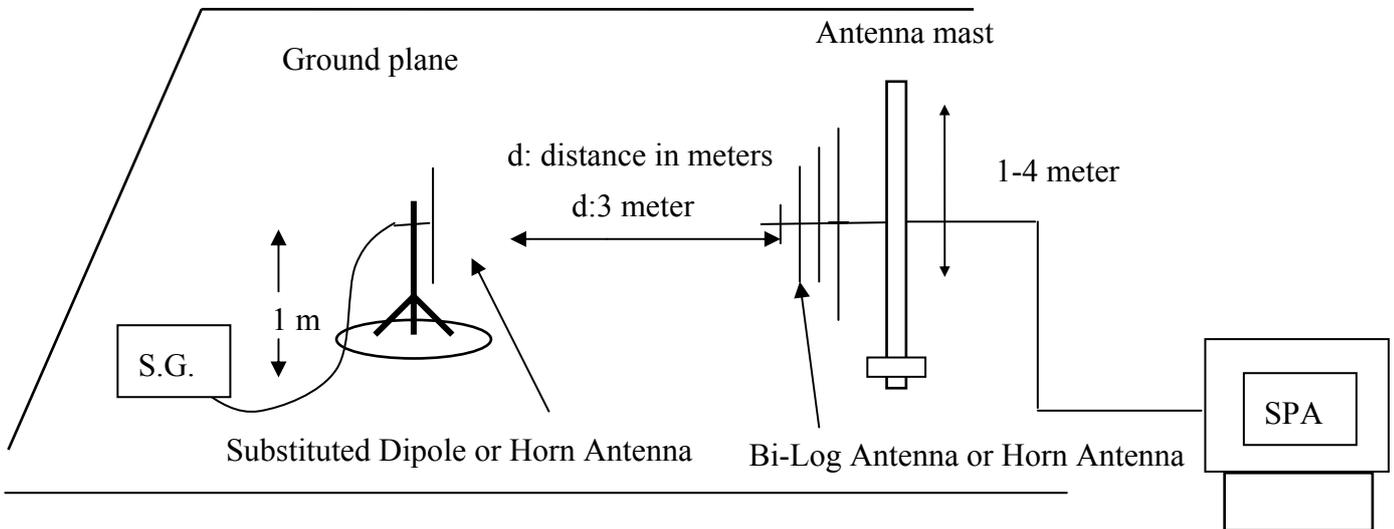
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, WuKung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

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



(C) Substituted Method Test Set-UP



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, WuKung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

8.3. Measurement Procedure:

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

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

ERP in frequency band 698MHz, - 746MHz, 824.2 –848.80MHz were measured using a substitution method. The EUT was replaced by a dipole antenna connected, the S.G. output was recorded and ERP was calculated as follows:

EIRP in frequency band 1710-1755MHz and 1850.2 –1909.8MHz were measured using a substitution method. The EUT was replaced by a horn antenna connected, the S.G. output was recorded and EIRP was calculated as follows:

$$\text{ERP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable Loss (dB)}$$

$$\text{EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBi)} - \text{Cable Loss (dB)}$$

8.4. Measurement Equipment Used:

Refer to section 2.4 in this report

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, WuKung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

8.5. Measurement Result:

EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
		MHz		V/H	dBm	dBd	dB	dBm	dBm
GPRS 850	H	824.20	128	V	24.79	3.96	-4.22	24.53	38.45
				H	20.65	3.96	-4.22	20.39	38.45
		836.60	190	V	24.63	4.00	-4.24	24.39	38.45
				H	20.33	4.00	-4.24	20.09	38.45
		848.80	251	V	24.90	4.03	-4.33	24.60	38.45
				H	19.86	4.03	-4.33	19.56	38.45
	E1	824.20	128	V	24.10	3.96	-4.22	23.84	38.45
				H	22.69	3.96	-4.22	22.43	38.45
		836.60	190	V	24.38	4.00	-4.24	24.14	38.45
				H	22.81	4.00	-4.24	22.57	38.45
		848.80	251	V	23.99	4.03	-4.33	23.69	38.45
				H	22.89	4.03	-4.33	22.59	38.45
	E2	824.20	128	V	23.46	3.96	-4.22	23.20	38.45
				H	22.95	3.96	-4.22	22.69	38.45
		836.60	190	V	23.51	4.00	-4.24	23.27	38.45
				H	23.03	4.00	-4.24	22.79	38.45
		848.80	251	V	23.03	4.03	-4.33	22.73	38.45
				H	20.92	4.03	-4.33	20.62	38.45

Remark :

- (1) The RBW,VBW of SPA for frequency RBW=300 KHz, VBW=1MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
		MHz		V/H	dBm	dBi	dB	dBm	dBm
GPRS 1900	H	1850.20	512	V	30.86	4.17	-5.49	29.55	33.00
				H	33.06	4.51	-5.49	32.08	33.00
		1880.00	661	V	31.28	4.13	-5.56	29.85	33.00
				H	33.00	4.44	-5.56	31.87	33.00
		1909.80	810	V	32.90	4.09	-5.56	31.43	33.00
				H	33.28	4.36	-5.56	32.09	33.00
	E1	1850.20	512	V	31.93	4.17	-5.49	30.62	33.00
				H	28.12	4.51	-5.49	27.14	33.00
		1880.00	661	V	30.99	4.13	-5.56	29.56	33.00
				H	26.15	4.44	-5.56	25.02	33.00
		1909.80	810	V	32.74	4.09	-5.56	31.27	33.00
				H	25.50	4.36	-5.56	24.30	33.00
	E2	1850.20	512	V	26.02	4.17	-5.49	24.70	33.00
				H	33.17	4.51	-5.49	32.19	33.00
		1880.00	661	V	24.05	4.13	-5.56	22.62	33.00
				H	33.79	4.44	-5.56	32.66	33.00
		1909.80	810	V	26.34	4.09	-5.56	24.88	33.00
				H	33.36	4.36	-5.56	32.17	33.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW=300K, VBW=1MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
		MHz		V/H	dBm	dBd	dB	dBm	dBm
EDGE 850	H	824.20	128	V	22.63	3.96	-4.22	22.37	38.45
				H	17.34	3.96	-4.22	17.08	38.45
		836.60	190	V	21.57	4.00	-4.24	21.33	38.45
				H	15.97	4.00	-4.24	15.73	38.45
		848.80	251	V	21.48	4.03	-4.33	21.18	38.45
				H	14.99	4.03	-4.33	14.69	38.45
	E1	824.20	128	V	21.58	3.96	-4.22	21.32	38.45
				H	21.57	3.96	-4.22	21.31	38.45
		836.60	190	V	21.08	4.00	-4.24	20.84	38.45
				H	20.41	4.00	-4.24	20.17	38.45
		848.80	251	V	20.31	4.03	-4.33	20.01	38.45
				H	19.44	4.03	-4.33	19.14	38.45
	E2	824.20	128	V	20.14	3.96	-4.22	19.88	38.45
				H	19.79	3.96	-4.22	19.53	38.45
		836.60	190	V	19.39	4.00	-4.24	19.15	38.45
				H	18.90	4.00	-4.24	18.66	38.45
		848.80	251	V	18.90	4.03	-4.33	18.60	38.45
				H	18.04	4.03	-4.33	17.74	38.45

Remark :

- (1) The RBW,VBW of SPA for frequency RBW=300 KHz, VBW=1MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
		MHz		V/H	dBm	dBi	dB	dBm	dBm
EDGE 1900	H	1850.20	512	V	28.42	4.17	-5.49	27.11	33.00
				H	31.32	4.51	-5.49	30.34	33.00
		1880.00	661	V	28.77	4.13	-5.56	27.35	33.00
				H	31.15	4.44	-5.56	30.02	33.00
		1909.80	810	V	30.78	4.09	-5.56	29.32	33.00
				H	31.70	4.36	-5.56	30.51	33.00
	E1	1850.20	512	V	30.10	4.17	-5.49	28.79	33.00
				H	25.52	4.51	-5.49	24.55	33.00
		1880.00	661	V	29.86	4.13	-5.56	28.43	33.00
				H	24.40	4.44	-5.56	23.28	33.00
		1909.80	810	V	30.09	4.09	-5.56	28.63	33.00
				H	25.52	4.36	-5.56	24.32	33.00
	E2	1850.20	512	V	24.20	4.17	-5.49	22.88	33.00
				H	32.84	4.51	-5.49	31.86	33.00
		1880.00	661	V	25.54	4.13	-5.56	24.11	33.00
				H	32.45	4.44	-5.56	31.33	33.00
		1909.80	810	V	26.54	4.09	-5.56	25.08	33.00
				H	32.87	4.36	-5.56	31.67	33.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW=300K, VBW=1MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
		MHz		V/H	dBm	dBi	dB	dBm	dBm
WCDMA Band II	H	1852.4	9262	V	24.98	4.17	-5.49	23.67	33.00
				H	28.60	4.50	-5.49	27.61	33.00
		1880.0	9400	V	25.47	4.13	-5.56	24.04	33.00
				H	28.57	4.44	-5.56	27.45	33.00
		1907.6	9538	V	25.42	4.10	-5.62	23.89	33.00
				H	27.84	4.37	-5.62	26.59	33.00
	E1	1852.4	9262	V	28.10	4.17	-5.49	26.78	33.00
				H	21.26	4.50	-5.49	20.27	33.00
		1880.0	9400	V	27.54	4.14	-5.56	26.12	33.00
				H	19.65	4.43	-5.56	18.52	33.00
		1907.6	9538	V	27.58	4.10	-5.62	26.05	33.00
				H	18.44	4.37	-5.62	17.19	33.00
	E2	1852.4	9262	V	23.78	4.17	-5.49	22.46	33.00
				H	30.80	4.50	-5.49	29.82	33.00
		1880.0	9400	V	22.56	4.13	-5.56	21.13	33.00
				H	30.05	4.44	-5.56	28.93	33.00
		1907.6	9538	V	22.18	4.10	-5.62	20.65	33.00
				H	29.76	4.37	-5.62	28.50	33.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
		MHz		V/H	dBm	dBd	dB	dBm	dBm
WCDMA Band V	H	826.40	4132	V	19.14	3.97	-4.22	18.89	38.45
				H	15.71	3.97	-4.22	15.46	38.45
		836.60	4183	V	17.10	4.00	-4.24	16.86	38.45
				H	13.60	4.00	-4.24	13.36	38.45
		846.60	4233	V	17.87	4.02	-4.24	17.65	38.45
				H	14.40	4.02	-4.24	14.18	38.45
	E1	826.40	4132	V	16.87	3.97	-4.22	16.62	38.45
				H	16.91	3.97	-4.22	16.65	38.45
		836.60	4183	V	15.63	4.00	-4.24	15.39	38.45
				H	15.10	4.00	-4.24	14.86	38.45
		846.60	4233	V	16.54	4.02	-4.24	16.32	38.45
				H	15.58	4.02	-4.24	15.36	38.45
	E2	826.40	4132	V	13.85	3.97	-4.22	13.60	38.45
				H	20.13	3.97	-4.22	19.88	38.45
		836.60	4183	V	11.51	4.00	-4.24	11.27	38.45
				H	18.22	4.00	-4.24	17.98	38.45
		846.60	4233	V	12.93	4.02	-4.24	12.71	38.45
				H	18.41	4.02	-4.24	18.19	38.45

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
		MHz		V/H	dBm	dBi	dB	dBm	dBm
HSUPA Band II	H	1852.4	9262	V	25.92	4.17	-5.49	24.60	33.00
				H	29.21	4.50	-5.49	28.22	33.00
		1880.0	9400	V	25.70	4.13	-5.56	24.27	33.00
				H	29.26	4.44	-5.56	28.13	33.00
		1907.6	9538	V	25.33	4.10	-5.62	23.80	33.00
				H	28.47	4.37	-5.62	27.22	33.00
	E1	1852.4	9262	V	28.21	4.17	-5.49	26.89	33.00
				H	21.62	4.50	-5.49	20.64	33.00
		1880.0	9400	V	28.22	4.14	-5.56	26.79	33.00
				H	20.09	4.43	-5.56	18.96	33.00
		1907.6	9538	V	28.68	4.10	-5.62	27.16	33.00
				H	19.78	4.37	-5.62	18.53	33.00
	E2	1852.4	9262	V	24.26	4.17	-5.49	22.94	33.00
				H	29.54	4.50	-5.49	28.56	33.00
		1880.0	9400	V	23.34	4.13	-5.56	21.92	33.00
				H	29.27	4.44	-5.56	28.15	33.00
		1907.6	9538	V	23.03	4.10	-5.62	21.51	33.00
				H	29.15	4.37	-5.62	27.90	33.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
		MHz		V/H	dBm	dBd	dB	dBm	dBm
HSUPA Band V	H	826.40	4132	V	19.89	3.97	-4.22	19.63	38.45
				H	15.64	3.97	-4.22	15.39	38.45
		836.60	4183	V	18.29	3.99	-4.24	18.05	38.45
				H	13.56	4.00	-4.24	13.32	38.45
		846.60	4233	V	19.16	4.02	-4.24	18.95	38.45
				H	14.54	4.02	-4.24	14.32	38.45
	E1	826.40	4132	V	17.67	3.97	-4.22	17.41	38.45
				H	17.76	3.97	-4.22	17.51	38.45
		836.60	4183	V	16.55	4.00	-4.24	16.31	38.45
				H	16.46	3.99	-4.24	16.22	38.45
		846.60	4233	V	17.42	4.02	-4.24	17.21	38.45
				H	17.20	4.02	-4.24	16.98	38.45
	E2	826.40	4132	V	17.03	3.97	-4.22	16.77	38.45
				H	20.60	3.97	-4.22	20.34	38.45
		836.60	4183	V	15.61	3.99	-4.24	15.37	38.45
				H	19.84	4.00	-4.24	19.60	38.45
		846.60	4233	V	15.35	4.02	-4.24	15.14	38.45
				H	20.09	4.02	-4.24	19.87	38.45

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
		MHz		V/H	dBm	dBi	dB	dBm	dBm
HSDPA Band II	H	1852.4	9262	V	25.60	4.17	-5.49	24.28	33.00
				H	29.16	4.50	-5.49	28.17	33.00
		1880.0	9400	V	26.40	4.13	-5.56	24.97	33.00
				H	29.21	4.44	-5.56	28.08	33.00
		1907.6	9538	V	24.96	4.10	-5.62	23.43	33.00
				H	28.37	4.37	-5.62	27.12	33.00
	E1	1852.4	9262	V	28.16	4.17	-5.49	26.84	33.00
				H	21.81	4.50	-5.49	20.82	33.00
		1880.0	9400	V	28.32	4.14	-5.56	26.89	33.00
				H	20.07	4.44	-5.56	18.94	33.00
		1907.6	9538	V	28.31	4.10	-5.62	26.79	33.00
				H	18.55	4.37	-5.62	17.29	33.00
	E2	1852.4	9262	V	24.18	4.17	-5.49	22.86	33.00
				H	29.72	4.50	-5.49	28.74	33.00
		1880.0	9400	V	23.22	4.13	-5.56	21.79	33.00
				H	29.10	4.44	-5.56	27.97	33.00
		1907.6	9538	V	22.80	4.10	-5.62	21.27	33.00
				H	29.16	4.37	-5.62	27.91	33.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
		MHz		V/H	dBm	dBd	dB	dBm	dBm
HSDPA Band V	H	826.40	4132	V	19.75	3.97	-4.22	19.50	38.45
				H	15.89	3.97	-4.22	15.64	38.45
		836.60	4183	V	17.96	3.99	-4.24	17.72	38.45
				H	13.87	4.00	-4.24	13.63	38.45
		846.60	4233	V	18.52	4.02	-4.24	18.30	38.45
				H	14.48	4.02	-4.24	14.26	38.45
	E1	826.40	4132	V	18.02	3.97	-4.22	17.76	38.45
				H	18.36	3.97	-4.22	18.10	38.45
		836.60	4183	V	16.90	4.00	-4.24	16.66	38.45
				H	15.98	4.00	-4.24	15.74	38.45
		846.60	4233	V	17.35	4.02	-4.24	17.13	38.45
				H	16.69	4.02	-4.24	16.47	38.45
	E2	826.40	4132	V	16.78	3.97	-4.22	16.52	38.45
				H	20.45	3.97	-4.22	20.19	38.45
		836.60	4183	V	15.42	4.00	-4.24	15.18	38.45
				H	19.24	4.00	-4.24	19.01	38.45
		846.60	4233	V	15.14	4.02	-4.24	14.92	38.45
				H	19.43	4.02	-4.24	19.21	38.45

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 4 / BW: 1.4M / QPSK / RB: 1 offset: 5									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
		MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE Band 4	H	1710.7	19957	V	22.90	4.40	-5.40	21.90	30.00
				H	26.43	4.79	-5.40	25.82	30.00
		1732.5	20175	V	21.29	4.35	-5.42	20.22	30.00
				H	25.66	4.78	-5.42	25.02	30.00
		1754.3	20393	V	21.83	4.31	-5.44	20.70	30.00
				H	24.95	4.76	-5.44	24.28	30.00
	E1	1710.7	19957	V	28.67	4.40	-5.40	27.67	30.00
				H	22.92	4.79	-5.40	22.31	30.00
		1732.5	20175	V	26.47	4.35	-5.42	25.40	30.00
				H	20.69	4.78	-5.42	20.04	30.00
		1754.3	20393	V	26.04	4.31	-5.44	24.91	30.00
				H	19.74	4.76	-5.44	19.06	30.00
	E2	1710.7	19957	V	19.02	4.40	-5.40	18.02	30.00
				H	23.71	4.79	-5.40	23.11	30.00
		1732.5	20175	V	22.22	4.35	-5.42	21.15	30.00
				H	24.06	4.78	-5.42	23.41	30.00
		1754.3	20393	V	20.46	4.31	-5.44	19.33	30.00
				H	26.65	4.76	-5.44	25.98	30.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 4 / BW: 1.4M / QPSK / RB: 1 offset: 0									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
		MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE Band 4	H	1710.7	19957	V	18.57	4.40	-5.40	17.57	30.00
				H	26.64	4.79	-5.40	26.03	30.00
		1732.5	20175	V	23.36	4.35	-5.42	22.29	30.00
				H	24.44	4.78	-5.42	23.80	30.00
		1754.3	20393	V	21.42	4.31	-5.44	20.29	30.00
				H	21.32	4.76	-5.44	20.65	30.00
	E1	1710.7	19957	V	28.40	4.40	-5.40	27.40	30.00
				H	22.68	4.79	-5.40	22.07	30.00
		1732.5	20175	V	28.27	4.35	-5.42	27.20	30.00
				H	20.73	4.78	-5.42	20.09	30.00
		1754.3	20393	V	26.02	4.31	-5.44	24.89	30.00
				H	20.28	4.76	-5.44	19.60	30.00
	E2	1710.7	19957	V	14.93	4.40	-5.40	13.93	30.00
				H	22.91	4.79	-5.40	22.30	30.00
		1732.5	20175	V	22.12	4.35	-5.42	21.05	30.00
				H	27.84	4.78	-5.42	27.20	30.00
		1754.3	20393	V	22.42	4.31	-5.44	21.29	30.00
				H	27.09	4.76	-5.44	26.42	30.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 4 / BW: 1.4M / 16QAM / RB: 1 offset: 5									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
		MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE Band 4	H	1710.7	19957	V	24.51	4.40	-5.40	23.52	30.00
				H	26.98	4.79	-5.40	26.37	30.00
		1732.5	20175	V	23.88	4.35	-5.42	22.81	30.00
				H	26.09	4.78	-5.42	25.45	30.00
		1754.3	20393	V	21.37	4.31	-5.44	20.24	30.00
				H	26.38	4.76	-5.44	25.71	30.00
	E1	1710.7	19957	V	22.34	4.40	-5.40	21.34	30.00
				H	16.43	4.79	-5.40	15.83	30.00
		1732.5	20175	V	23.87	4.35	-5.42	22.80	30.00
				H	16.31	4.78	-5.42	15.66	30.00
		1754.3	20393	V	19.00	4.31	-5.44	17.87	30.00
				H	12.57	4.76	-5.44	11.89	30.00
	E2	1710.7	19957	V	17.14	4.40	-5.40	16.14	30.00
				H	23.19	4.79	-5.40	22.58	30.00
		1732.5	20175	V	16.29	4.35	-5.42	15.22	30.00
				H	28.75	4.78	-5.42	28.11	30.00
		1754.3	20393	V	16.20	4.31	-5.44	15.07	30.00
				H	23.09	4.76	-5.44	22.41	30.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 4 / BW: 1.4M / 16QAM / RB: 1 offset: 0									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
		MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE Band 4	H	1710.7	19957	V	23.25	4.40	-5.40	22.25	30.00
				H	25.72	4.79	-5.40	25.11	30.00
		1732.5	20175	V	22.18	4.35	-5.42	21.11	30.00
				H	25.33	4.78	-5.42	24.69	30.00
		1754.3	20393	V	22.54	4.31	-5.44	21.41	30.00
				H	26.64	4.76	-5.44	25.97	30.00
	E1	1710.7	19957	V	21.71	4.40	-5.40	20.71	30.00
				H	16.17	4.79	-5.40	15.57	30.00
		1732.5	20175	V	22.90	4.35	-5.42	21.83	30.00
				H	16.55	4.78	-5.42	15.91	30.00
		1754.3	20393	V	19.14	4.31	-5.44	18.01	30.00
				H	12.36	4.76	-5.44	11.69	30.00
	E2	1710.7	19957	V	16.31	4.40	-5.40	15.31	30.00
				H	21.71	4.79	-5.40	21.10	30.00
		1732.5	20175	V	16.42	4.35	-5.42	15.35	30.00
				H	28.47	4.78	-5.42	27.83	30.00
		1754.3	20393	V	16.22	4.31	-5.44	15.09	30.00
				H	24.80	4.76	-5.44	24.12	30.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 4 / BW: 3M / QPSK / RB: 1 offset: 14									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
		MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE Band 4	H	1711.5	19965	V	23.71	4.40	-5.40	22.70	30.00
				H	24.94	4.79	-5.40	24.33	30.00
		1732.5	20175	V	22.89	4.35	-5.42	21.81	30.00
				H	26.13	4.78	-5.42	25.48	30.00
		1753.5	20385	V	21.31	4.31	-5.44	20.18	30.00
				H	25.85	4.76	-5.44	25.17	30.00
	E1	1711.5	19965	V	27.90	4.40	-5.40	26.90	30.00
				H	21.64	4.79	-5.40	21.03	30.00
		1732.5	20175	V	28.49	4.35	-5.42	27.42	30.00
				H	22.70	4.78	-5.42	22.05	30.00
		1753.5	20385	V	26.18	4.31	-5.44	25.06	30.00
				H	22.47	4.76	-5.44	21.79	30.00
	E2	1711.5	19965	V	22.10	4.40	-5.40	21.09	30.00
				H	28.14	4.79	-5.40	27.53	30.00
		1732.5	20175	V	21.66	4.35	-5.42	20.59	30.00
				H	29.51	4.78	-5.42	28.86	30.00
1753.5		20385	V	21.60	4.31	-5.44	20.47	30.00	
			H	27.87	4.76	-5.44	27.19	30.00	

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 4 / BW: 3M / QPSK / RB: 1 offset: 0									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
		MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE Band 4	H	1711.5	19965	V	22.03	4.40	-5.40	21.03	30.00
				H	25.56	4.79	-5.40	24.95	30.00
		1732.5	20175	V	22.95	4.36	-5.42	21.88	30.00
				H	26.21	4.78	-5.42	25.57	30.00
		1753.5	20385	V	21.84	4.31	-5.44	20.71	30.00
				H	26.12	4.77	-5.44	25.45	30.00
	E1	1711.5	19965	V	27.90	4.40	-5.40	26.90	30.00
				H	21.86	4.79	-5.40	21.25	30.00
		1732.5	20175	V	27.82	4.36	-5.42	26.75	30.00
				H	22.19	4.78	-5.42	21.55	30.00
		1753.5	20385	V	28.62	4.31	-5.44	27.49	30.00
				H	22.62	4.76	-5.44	21.95	30.00
	E2	1711.5	19965	V	22.36	4.40	-5.40	21.36	30.00
				H	28.17	4.79	-5.40	27.56	30.00
		1732.5	20175	V	21.39	4.36	-5.42	20.32	30.00
				H	28.98	4.78	-5.42	28.33	30.00
		1753.5	20385	V	22.14	4.31	-5.44	21.02	30.00
				H	28.42	4.77	-5.44	27.74	30.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 4 / BW: 3M / 16QAM / RB: 1 offset: 14									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
		MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE Band 4	H	1711.5	19965	V	23.28	4.40	-5.40	22.28	30.00
				H	25.49	4.79	-5.40	24.88	30.00
		1732.5	20175	V	23.96	4.35	-5.42	22.89	30.00
				H	26.46	4.78	-5.42	25.82	30.00
		1753.5	20385	V	22.75	4.31	-5.44	21.62	30.00
				H	25.90	4.76	-5.44	25.22	30.00
	E1	1711.5	19965	V	27.35	4.40	-5.40	26.35	30.00
				H	21.27	4.79	-5.40	20.66	30.00
		1732.5	20175	V	29.60	4.35	-5.42	28.53	30.00
				H	22.63	4.78	-5.42	21.99	30.00
		1753.5	20385	V	27.81	4.31	-5.44	26.68	30.00
				H	20.01	4.76	-5.44	19.33	30.00
	E2	1711.5	19965	V	19.86	4.40	-5.40	18.86	30.00
				H	29.28	4.79	-5.40	28.67	30.00
		1732.5	20175	V	21.46	4.35	-5.42	20.39	30.00
				H	29.40	4.78	-5.42	28.75	30.00
1753.5		20385	V	20.89	4.31	-5.44	19.77	30.00	
			H	27.67	4.76	-5.44	27.00	30.00	

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 4 / BW: 3M / 16QAM / RB: 1 offset: 0									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
		MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE Band 4	H	1711.5	19965	V	24.49	4.40	-5.40	23.49	30.00
				H	25.36	4.79	-5.40	24.76	30.00
		1732.5	20175	V	23.83	4.36	-5.42	22.77	30.00
				H	25.99	4.78	-5.42	25.35	30.00
		1753.5	20385	V	22.61	4.31	-5.44	21.48	30.00
				H	26.33	4.77	-5.44	25.66	30.00
	E1	1711.5	19965	V	28.65	4.40	-5.40	27.65	30.00
				H	21.69	4.79	-5.40	21.08	30.00
		1732.5	20175	V	29.16	4.36	-5.42	28.09	30.00
				H	22.53	4.78	-5.42	21.89	30.00
		1753.5	20385	V	28.94	4.31	-5.44	27.81	30.00
				H	20.50	4.77	-5.44	19.83	30.00
	E2	1711.5	19965	V	21.48	4.40	-5.40	20.48	30.00
				H	29.11	4.79	-5.40	28.50	30.00
		1732.5	20175	V	20.20	4.36	-5.42	19.13	30.00
				H	29.14	4.78	-5.42	28.49	30.00
		1753.5	20385	V	22.09	4.31	-5.44	20.96	30.00
				H	28.44	4.77	-5.44	27.77	30.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 4 / BW: 5M / QPSK / RB: 1 offset:24									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
		MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE Band 4	H	1712.5	19975	V	17.46	4.39	-5.40	16.45	30.00
				H	14.27	4.79	-5.40	13.66	30.00
		1732.5	20175	V	14.13	4.35	-5.42	13.05	30.00
				H	12.25	4.78	-5.42	11.61	30.00
		1752.5	20375	V	16.45	4.31	-5.44	15.32	30.00
				H	17.03	4.76	-5.44	16.35	30.00
	E1	1712.5	19975	V	22.70	4.39	-5.40	21.69	30.00
				H	13.27	4.79	-5.40	12.66	30.00
		1732.5	20175	V	22.07	4.35	-5.42	21.00	30.00
				H	13.54	4.78	-5.42	12.89	30.00
		1752.5	20375	V	18.06	4.31	-5.44	16.93	30.00
				H	8.27	4.76	-5.44	7.60	30.00
	E2	1712.5	19975	V	11.03	4.39	-5.40	10.03	30.00
				H	21.69	4.79	-5.40	21.08	30.00
		1732.5	20175	V	14.45	4.35	-5.42	13.37	30.00
				H	24.37	4.78	-5.42	23.73	30.00
		1752.5	20375	V	15.34	4.31	-5.44	14.21	30.00
				H	25.18	4.76	-5.44	24.50	30.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 4 / BW: 5M / QPSK / RB: 1 offset:0									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
		MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE Band 4	H	1712.5	19975	V	16.45	4.40	-5.40	15.45	30.00
				H	13.30	4.79	-5.40	12.69	30.00
		1732.5	20175	V	13.27	4.36	-5.42	12.20	30.00
				H	13.11	4.78	-5.42	12.46	30.00
		1752.5	20375	V	15.60	4.31	-5.44	14.48	30.00
				H	16.20	4.77	-5.44	15.53	30.00
	E1	1712.5	19975	V	23.04	4.40	-5.40	22.04	30.00
				H	13.81	4.79	-5.40	13.20	30.00
		1732.5	20175	V	22.03	4.36	-5.42	20.96	30.00
				H	13.59	4.78	-5.42	12.95	30.00
		1752.5	20375	V	19.18	4.31	-5.44	18.05	30.00
				H	10.90	4.77	-5.44	10.24	30.00
	E2	1712.5	19975	V	10.95	4.40	-5.40	9.95	30.00
				H	20.48	4.79	-5.40	19.87	30.00
		1732.5	20175	V	12.72	4.36	-5.42	11.65	30.00
				H	24.33	4.78	-5.42	23.69	30.00
		1752.5	20375	V	14.71	4.31	-5.44	13.59	30.00
				H	24.80	4.77	-5.44	24.14	30.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 4 / BW: 5M / 16QAM / RB: 1 offset: 24									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
		MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE Band 4	H	1712.5	19975	V	14.68	4.39	-5.40	13.67	30.00
				H	14.57	4.79	-5.40	13.96	30.00
		1732.5	20175	V	15.93	4.35	-5.42	14.85	30.00
				H	16.50	4.78	-5.42	15.85	30.00
		1752.5	20375	V	14.78	4.31	-5.44	13.65	30.00
				H	18.66	4.76	-5.44	17.98	30.00
	E1	1712.5	19975	V	24.59	4.39	-5.40	23.59	30.00
				H	16.60	4.79	-5.40	15.99	30.00
		1732.5	20175	V	25.10	4.35	-5.42	24.02	30.00
				H	16.10	4.78	-5.42	15.46	30.00
		1752.5	20375	V	20.42	4.31	-5.44	19.29	30.00
				H	11.97	4.77	-5.44	11.30	30.00
	E2	1712.5	19975	V	13.61	4.39	-5.40	12.60	30.00
				H	24.31	4.79	-5.40	23.70	30.00
		1732.5	20175	V	13.86	4.35	-5.42	12.78	30.00
				H	26.76	4.78	-5.42	26.12	30.00
		1752.5	20375	V	21.83	4.31	-5.44	20.70	30.00
				H	29.70	4.76	-5.44	29.03	30.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 4 / BW: 5M / 16QAM / RB: 1 offset: 0									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
		MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE Band 4	H	1712.5	19975	V	15.24	4.40	-5.40	14.24	30.00
				H	13.27	4.79	-5.40	12.66	30.00
		1732.5	20175	V	14.60	4.36	-5.42	13.53	30.00
				H	16.54	4.78	-5.42	15.89	30.00
		1752.5	20375	V	14.56	4.31	-5.44	13.44	30.00
				H	18.06	4.77	-5.44	17.40	30.00
	E1	1712.5	19975	V	25.49	4.40	-5.40	24.50	30.00
				H	16.77	4.79	-5.40	16.16	30.00
		1732.5	20175	V	24.67	4.36	-5.42	23.61	30.00
				H	15.97	4.78	-5.42	15.32	30.00
		1752.5	20375	V	22.68	4.31	-5.44	21.56	30.00
				H	14.13	4.77	-5.44	13.47	30.00
	E2	1712.5	19975	V	12.87	4.40	-5.40	11.87	30.00
				H	24.01	4.79	-5.40	23.41	30.00
		1732.5	20175	V	14.35	4.36	-5.42	13.28	30.00
				H	26.35	4.78	-5.42	25.70	30.00
		1752.5	20375	V	19.43	4.31	-5.44	18.31	30.00
				H	28.14	4.77	-5.44	27.48	30.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 4 / BW: 10M / QPSK / RB: 1 offset: 49									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
		MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE Band 4	H	1715.0	20000	V	4.20	4.38	-5.40	3.18	30.00
				H	5.63	4.79	-5.40	5.02	30.00
		1732.5	20175	V	0.61	4.34	-5.42	-0.47	30.00
				H	4.53	4.78	-5.42	3.88	30.00
		1750.0	20350	V	3.34	4.31	-5.44	2.21	30.00
				H	3.90	4.76	-5.44	3.22	30.00
	E1	1715.0	20000	V	23.40	4.38	-5.40	22.38	30.00
				H	14.05	4.79	-5.40	13.44	30.00
		1732.5	20175	V	26.48	4.34	-5.42	25.40	30.00
				H	20.02	4.78	-5.42	19.37	30.00
		1750.0	20350	V	27.29	4.31	-5.44	26.16	30.00
				H	17.98	4.76	-5.44	17.31	30.00
	E2	1715.0	20000	V	5.65	4.38	-5.40	4.63	30.00
				H	17.77	4.79	-5.40	17.16	30.00
		1732.5	20175	V	6.84	4.34	-5.42	5.76	30.00
				H	17.24	4.78	-5.42	16.59	30.00
1750.0		20350	V	6.17	4.31	-5.44	5.04	30.00	
			H	16.69	4.76	-5.44	16.01	30.00	

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 10MHz , VBW= 10MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 4 / BW: 10M / QPSK / RB: 1 offset: 0									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
		MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE Band 4	H	1715.0	20000	V	2.78	4.32	-5.42	1.68	30.00
				H	3.95	4.77	-5.42	3.30	30.00
		1732.5	20175	V	3.65	4.36	-5.42	2.58	30.00
				H	5.00	4.78	-5.42	4.35	30.00
		1750.0	20350	V	2.18	4.40	-5.40	1.18	30.00
				H	5.55	4.79	-5.40	4.94	30.00
	E1	1715.0	20000	V	23.00	4.40	-5.40	22.01	30.00
				H	15.95	4.79	-5.40	15.34	30.00
		1732.5	20175	V	26.89	4.36	-5.42	25.83	30.00
				H	17.59	4.78	-5.40	16.98	30.00
		1750.0	20350	V	30.16	4.32	-5.42	29.06	30.00
				H	20.80	4.77	-5.42	20.15	30.00
	E2	1715.0	20000	V	6.89	4.32	-5.42	5.79	30.00
				H	8.40	4.79	-5.40	7.79	30.00
		1732.5	20175	V	6.27	4.36	-5.42	5.21	30.00
				H	8.21	4.78	-5.40	7.60	30.00
		1750.0	20350	V	11.40	4.40	-5.40	10.40	30.00
				H	7.10	4.77	-5.42	6.45	30.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 10MHz , VBW= 10MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 4 / BW: 10M / 16QAM / RB: 1 offset: 49									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
		MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE Band 4	H	1715.0	20000	V	19.44	4.04	-3.98	19.50	30.00
				H	17.86	4.04	-3.98	17.92	30.00
		1732.5	20175	V	22.30	4.00	-3.98	22.31	30.00
				H	20.92	4.00	-3.98	20.94	30.00
		1750.0	20350	V	22.04	3.96	-3.98	22.01	30.00
				H	21.09	3.95	-3.98	21.06	30.00
	E1	1715.0	20000	V	17.08	4.04	-3.98	17.14	30.00
				H	16.40	4.04	-3.98	16.46	30.00
		1732.5	20175	V	15.66	4.00	-3.98	15.67	30.00
				H	17.51	4.00	-3.98	17.52	30.00
		1750.0	20350	V	14.53	3.96	-3.98	14.51	30.00
				H	16.79	3.95	-3.98	16.76	30.00
	E2	1715.0	20000	V	15.05	4.04	-3.98	15.11	30.00
				H	21.52	4.04	-3.98	21.58	30.00
		1732.5	20175	V	10.14	4.00	-3.98	10.16	30.00
				H	14.61	4.00	-3.98	14.63	30.00
		1750.0	20350	V	9.76	3.95	-3.98	9.73	30.00
				H	16.68	3.95	-3.98	16.64	30.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 10MHz , VBW= 10MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 4 / BW: 10M / 16QAM / RB: 1 offset: 0									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
		MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE Band 4	H	1715.0	20000	V	19.10	4.10	-3.98	19.21	30.00
				H	19.21	4.10	-4.07	19.25	30.00
		1732.5	20175	V	21.70	4.05	-3.98	21.77	30.00
				H	20.28	4.05	-3.98	20.35	30.00
		1750.0	20350	V	22.31	4.01	-3.98	22.33	30.00
				H	20.44	4.01	-3.98	20.47	30.00
	E1	1715.0	20000	V	12.62	4.10	-3.98	12.73	30.00
				H	17.89	4.10	-3.98	18.00	30.00
		1732.5	20175	V	15.64	4.05	-3.98	15.70	30.00
				H	17.13	4.05	-3.98	17.20	30.00
		1750.0	20350	V	15.17	4.01	-3.98	15.20	30.00
				H	15.78	4.01	-3.98	15.80	30.00
	E2	1715.0	20000	V	15.88	4.10	-3.98	16.00	30.00
				H	22.26	4.10	-3.98	22.37	30.00
		1732.5	20175	V	12.16	4.05	-3.98	12.22	30.00
				H	16.66	4.05	-3.98	16.73	30.00
		1750.0	20350	V	9.92	4.01	-3.98	9.95	30.00
				H	16.37	4.01	-3.98	16.39	30.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 10MHz , VBW= 10MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 17 / BW: 5M / QPSK / RB: 1 offset: 24									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
		MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE Band 17	H	706.5	23755	V	11.86	4.05	-3.98	11.92	34.77
				H	11.62	4.04	-3.98	11.67	34.77
		710.0	23790	V	11.58	4.00	-3.98	11.60	34.77
				H	10.50	4.00	-3.98	10.52	34.77
		713.5	23825	V	12.92	3.96	-3.98	12.89	34.77
				H	9.68	3.96	-3.98	9.65	34.77
	E1	706.5	23755	V	5.95	4.04	-3.98	6.00	34.77
				H	6.47	4.04	-3.98	6.53	34.77
		710.0	23790	V	5.34	4.00	-3.98	5.36	34.77
				H	7.80	4.00	-3.98	7.81	34.77
		713.5	23825	V	6.66	3.95	-3.98	6.63	34.77
				H	6.57	3.95	-3.98	6.54	34.77
	E2	706.5	23755	V	7.18	4.04	-3.98	7.24	34.77
				H	15.51	4.04	-3.98	15.56	34.77
		710.0	23790	V	6.19	4.00	-3.98	6.20	34.77
				H	15.40	4.00	-3.98	15.42	34.77
		713.5	23825	V	8.52	3.96	-3.98	8.49	34.77
				H	15.09	3.95	-3.98	15.06	34.77

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 17 / BW: 5M / QPSK / RB: 1 offset: 0									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
		MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE Band 17	H	706.5	23755	V	12.58	4.10	-3.98	12.69	34.77
				H	11.40	4.09	-3.98	11.51	34.77
		710.0	23790	V	11.55	4.06	-3.98	11.63	34.77
				H	10.30	4.05	-3.98	10.37	34.77
		713.5	23825	V	9.83	4.01	-3.98	9.85	34.77
				H	8.86	4.01	-3.98	8.89	34.77
	E1	706.5	23755	V	7.36	4.09	-3.98	7.47	34.77
				H	7.87	4.10	-3.98	7.98	34.77
		710.0	23790	V	5.61	4.05	-3.98	5.68	34.77
				H	8.53	4.05	-3.98	8.59	34.77
		713.5	23825	V	5.84	4.01	-3.98	5.87	34.77
				H	6.82	4.01	-3.98	6.84	34.77
	E2	706.5	23755	V	10.09	4.10	-3.98	10.21	34.77
				H	17.34	4.09	-3.98	17.45	34.77
		710.0	23790	V	8.70	4.05	-3.98	8.77	34.77
				H	16.70	4.05	-3.98	16.77	34.77
		713.5	23825	V	11.94	4.01	-3.98	11.96	34.77
				H	16.96	4.00	-3.98	16.98	34.77

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 17 / BW: 5M / 16QAM / RB: 1 offset: 24									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
		MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE Band 17	H	706.5	23755	V	19.44	4.04	-3.98	19.50	34.77
				H	17.86	4.04	-3.98	17.92	34.77
		710.0	23790	V	22.30	4.00	-3.98	22.31	34.77
				H	20.92	4.00	-3.98	20.94	34.77
		713.5	23825	V	22.04	3.96	-3.98	22.01	34.77
				H	21.09	3.95	-3.98	21.06	34.77
	E1	706.5	23755	V	17.08	4.04	-3.98	17.14	34.77
				H	16.40	4.04	-3.98	16.46	34.77
		710.0	23790	V	15.66	4.00	-3.98	15.67	34.77
				H	17.51	4.00	-3.98	17.52	34.77
		713.5	23825	V	14.53	3.96	-3.98	14.51	34.77
				H	16.79	3.95	-3.98	16.76	34.77
	E2	706.5	23755	V	15.05	4.04	-3.98	15.11	34.77
				H	21.52	4.04	-3.98	21.58	34.77
		710.0	23790	V	10.14	4.00	-3.98	10.16	34.77
				H	14.61	4.00	-3.98	14.63	34.77
		713.5	23825	V	9.76	3.95	-3.98	9.73	34.77
				H	16.68	3.95	-3.98	16.64	34.77

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 17 / BW: 5M / 16QAM / RB: 1 offset: 0									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
		MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE Band 17	H	706.5	23755	V	19.10	4.10	-3.98	19.21	34.77
				H	19.21	4.10	-4.07	19.25	34.77
		710.0	23790	V	21.70	4.05	-3.98	21.77	34.77
				H	20.28	4.05	-3.98	20.35	34.77
		713.5	23825	V	22.31	4.01	-3.98	22.33	34.77
				H	20.44	4.01	-3.98	20.47	34.77
	E1	706.5	23755	V	12.62	4.10	-3.98	12.73	34.77
				H	17.89	4.10	-3.98	18.00	34.77
		710.0	23790	V	15.64	4.05	-3.98	15.70	34.77
				H	17.13	4.05	-3.98	17.20	34.77
		713.5	23825	V	15.17	4.01	-3.98	15.20	34.77
				H	15.78	4.01	-3.98	15.80	34.77
	E2	706.5	23755	V	15.88	4.10	-3.98	16.00	34.77
				H	22.26	4.10	-3.98	22.37	34.77
		710.0	23790	V	12.16	4.05	-3.98	12.22	34.77
				H	16.66	4.05	-3.98	16.73	34.77
		713.5	23825	V	9.92	4.01	-3.98	9.95	34.77
				H	16.37	4.01	-3.98	16.39	34.77

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 17 / BW: 10M / QPSK / RB: 1 offset: 49									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
		MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE Band 17	H	709.0	23780	V	11.46	3.98	-3.98	11.46	34.77
				H	10.09	3.98	-3.98	10.08	34.77
		710.0	23790	V	11.25	3.96	-3.98	11.23	34.77
				H	9.83	3.97	-3.98	9.82	34.77
		711.0	23800	V	10.61	3.97	-3.98	10.59	34.77
				H	10.30	3.96	-3.98	10.27	34.77
	E1	709.0	23780	V	15.15	3.98	-3.98	15.15	34.77
				H	16.07	3.98	-3.98	16.06	34.77
		710.0	23790	V	14.58	3.96	-3.98	14.56	34.77
				H	16.48	3.97	-3.98	16.46	34.77
		711.0	23800	V	14.10	3.95	-3.98	14.07	34.77
				H	16.42	3.95	-3.98	16.39	34.77
	E2	709.0	23780	V	5.83	3.99	-3.98	5.84	34.77
				H	12.82	3.98	-3.98	12.82	34.77
		710.0	23790	V	5.86	3.97	-3.98	5.85	34.77
				H	13.02	3.97	-3.98	13.01	34.77
		711.0	23800	V	6.09	3.96	-3.98	6.06	34.77
				H	13.00	3.95	-3.98	12.97	34.77

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 10MHz , VBW= 10MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 17 / BW: 10M / QPSK / RB: 1 offset: 0									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
		MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE Band 17	H	709.0	23780	V	10.39	4.09	-3.98	10.49	34.77
				H	8.44	4.09	-3.98	8.55	34.77
		710.0	23790	V	7.77	4.08	-3.98	7.86	34.77
				H	8.75	4.08	-3.98	8.85	34.77
		711.0	23800	V	8.17	4.07	-3.98	8.26	34.77
				H	8.19	4.07	-3.98	8.27	34.77
	E1	709.0	23780	V	11.84	4.09	-3.98	11.95	34.77
				H	14.41	4.10	-3.98	14.52	34.77
		710.0	23790	V	11.96	4.09	-3.98	12.06	34.77
				H	13.90	4.08	-3.98	14.00	34.77
		711.0	23800	V	11.42	4.08	-3.98	11.52	34.77
				H	14.06	4.07	-3.98	14.15	34.77
	E2	709.0	23780	V	15.11	4.10	-3.98	15.22	34.77
				H	13.28	4.09	-3.98	13.39	34.77
		710.0	23790	V	4.41	4.08	-3.98	4.51	34.77
				H	13.54	4.08	-3.98	13.64	34.77
		711.0	23800	V	4.56	4.07	-3.98	4.65	34.77
				H	13.22	4.07	-3.98	13.30	34.77

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 10MHz , VBW= 10MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 17 / BW: 10M / 16QAM / RB: 1 offset: 49									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
		MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE Band 17	H	709.0	23780	V	14.75	3.98	-3.98	14.75	34.77
				H	11.01	3.99	-3.98	11.01	34.77
		710.0	23790	V	14.29	3.97	-3.98	14.28	34.77
				H	10.48	3.97	-3.98	10.47	34.77
		711.0	23800	V	14.48	3.96	-3.98	14.45	34.77
				H	10.86	3.95	-3.98	10.83	34.77
	E1	709.0	23780	V	1.18	3.98	-3.98	1.18	34.77
				H	2.83	3.98	-3.98	2.83	34.77
		710.0	23790	V	0.49	3.97	-3.98	0.48	34.77
				H	2.74	3.97	-3.98	2.73	34.77
		711.0	23800	V	-0.33	3.96	-3.98	-0.35	34.77
				H	2.30	3.96	-3.98	2.27	34.77
	E2	709.0	23780	V	8.97	3.98	-3.98	8.97	34.77
				H	12.32	3.98	-3.98	12.32	34.77
		710.0	23790	V	14.17	3.97	-3.98	14.15	34.77
				H	12.99	3.97	-3.98	12.97	34.77
		711.0	23800	V	6.96	3.95	-3.98	6.93	34.77
				H	11.87	3.96	-3.98	11.84	34.77

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 10MHz , VBW= 10MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

BAND 17 / BW: 10M / 16QAM / RB: 1 offset: 0									
EUT				Measurement					
Operation Band	Pol.	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
		MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE Band 17	H	709.0	23780	V	13.67	4.09	-3.98	13.78	34.77
				H	9.94	4.09	-3.98	10.04	34.77
		710.0	23790	V	13.91	4.08	-3.98	14.01	34.77
				H	9.93	4.08	-3.98	10.03	34.77
		711.0	23800	V	13.69	4.07	-3.98	13.78	34.77
				H	9.97	4.06	-3.98	10.04	34.77
	E1	709.0	23780	V	2.62	4.09	-3.98	2.72	34.77
				H	3.84	4.09	-3.98	3.95	34.77
		710.0	23790	V	3.09	4.08	-3.98	3.19	34.77
				H	3.74	4.08	-3.98	3.84	34.77
		711.0	23800	V	2.40	4.07	-3.98	2.49	34.77
				H	4.56	4.07	-3.98	4.64	34.77
	E2	709.0	23780	V	7.18	4.09	-3.98	7.29	34.77
				H	14.51	4.10	-3.98	14.62	34.77
		710.0	23790	V	7.32	4.08	-3.98	7.42	34.77
				H	15.29	4.09	-3.98	15.39	34.77
		711.0	23800	V	6.77	4.07	-3.98	6.86	34.77
				H	15.10	4.07	-3.98	15.19	34.77

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 10MHz , VBW= 10MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

9. 99% OCCUPIED BANDWIDTH MEASUREMENT

9.1. Standard Applicable:

According to §FCC 2.1049.

9.2. Test Set-up:

Refer to section 5.2 in this report

9.3. Measurement Procedure:

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

9.4. Measurement Equipment Used:

Refer to section 2.4 in this report

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Measurement Result:

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
GPRS850	824.20	128	0.2459
	836.60	190	0.2452
	848.80	251	0.2460

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
GPRS 1900	1850.20	512	0.2458
	1880.00	661	0.2356
	1909.80	810	0.2467

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
EDGE 850	824.20	128	0.2375
	836.60	190	0.2475
	848.80	251	0.2470

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
EDGE 1900	1850.20	512	0.2519
	1880.00	661	0.2529
	1909.80	810	0.2467

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, WuKungRoad, NewTaipeiIndustrialPark, WukuDistrict, NewTaipeiCity, Taiwan24803/新北市五股區新北產業園區五工路 134 號

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
WCDMA II	1852.40	9262	4.1213
	1880.00	9400	4.1481
	1907.60	9538	4.1203

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
WCDMA V	826.40	4132	4.1276
	836.00	4180	4.1197
	846.60	4233	4.1441

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
HSUPA II	1852.4	9262	4.1314
	1880.0	9400	4.1205
	1907.6	9538	4.1359

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
HSUPA V	826.40	4132	4.1181
	836.60	4183	4.1227
	846.60	4233	4.1429

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
HSDPA II	1852.4	9262	4.1551
	1880.0	9400	4.1093
	1907.6	9538	4.1481

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
HSDPA V	826.40	4132	4.1373
	836.60	4183	4.1354
	846.60	4233	4.1496

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, WuKung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
1.4MHz BW LTE-Band 4 (QPSK RB Number: 6 Offset: 0)	1710.7	19957	1.1049
	1732.5	20175	1.1032
	1754.3	20393	1.1196

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
1.4MHz BW LTE-Band 4 (16QAM RB Number: 6 Offset: 0)	1710.7	19957	1.1013
	1732.5	20175	1.1029
	1754.3	20393	1.1148

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
3MHz BW LTE-Band 4 (QPSK RB Number: 15 Offset: 0)	1711.5	19965	2.7070
	1732.5	20175	2.7133
	1753.5	20385	2.7320

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
3MHz BW LTE-Band 4 (16QAM RB Number: 15 Offset: 0)	1711.5	19965	2.7266
	1732.5	20175	2.7114
	1753.5	20385	2.7215

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
5MHz BW LTE-Band 4 (QPSK RB Number: 25 Offset: 0)	1712.5	19975	4.5031
	1732.5	20175	4.5072
	1752.5	20375	4.5057

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
5MHz BW LTE-Band 4 (16QAM RB Number: 25 Offset: 0)	1712.5	19975	4.5151
	1732.5	20175	4.5015
	1752.5	20375	4.5213

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
10MHz BW LTE-Band 4 (QPSK RB Number: 50 Offset: 0)	1715	20000	8.9826
	1732.5	20175	8.9784
	1750	20350	8.9941

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
10MHz BW LTE-Band 4 (16QAM RB Number: 50 Offset: 0)	1715	20000	8.9429
	1732.5	20175	8.9541
	1750	20350	8.9806

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
5MHz BW LTE-Band 17 (QPSK RB Number: 25 Offset: 0)	706.5	23755	4.5059
	710	23790	4.5035
	713.5	23835	4.5049

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
5MHz BW LTE-Band 17 (16QAM RB Number: 25 Offset: 0)	706.5	23755	4.5054
	710	23790	4.5043
	713.5	23835	4.5002

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
10MHz BW LTE-Band 17 (QPSK RB Number: 50 Offset: 0)	709	23780	8.9664
	710	23790	8.9510
	711	23800	8.9460

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
10MHz BW LTE-Band 17 (16QAM RB Number: 50 Offset: 0)	709	23780	8.9424
	710	23790	8.9268
	711	23800	8.9194

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 9-1: GRPS 850 Channel Low

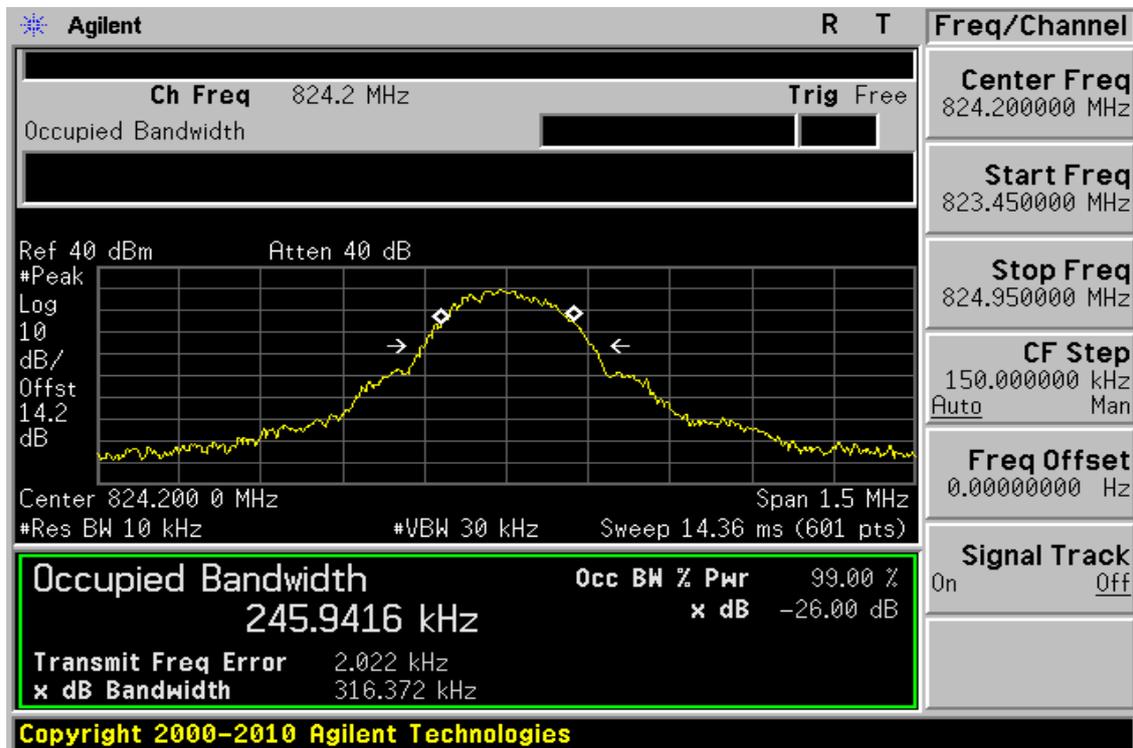
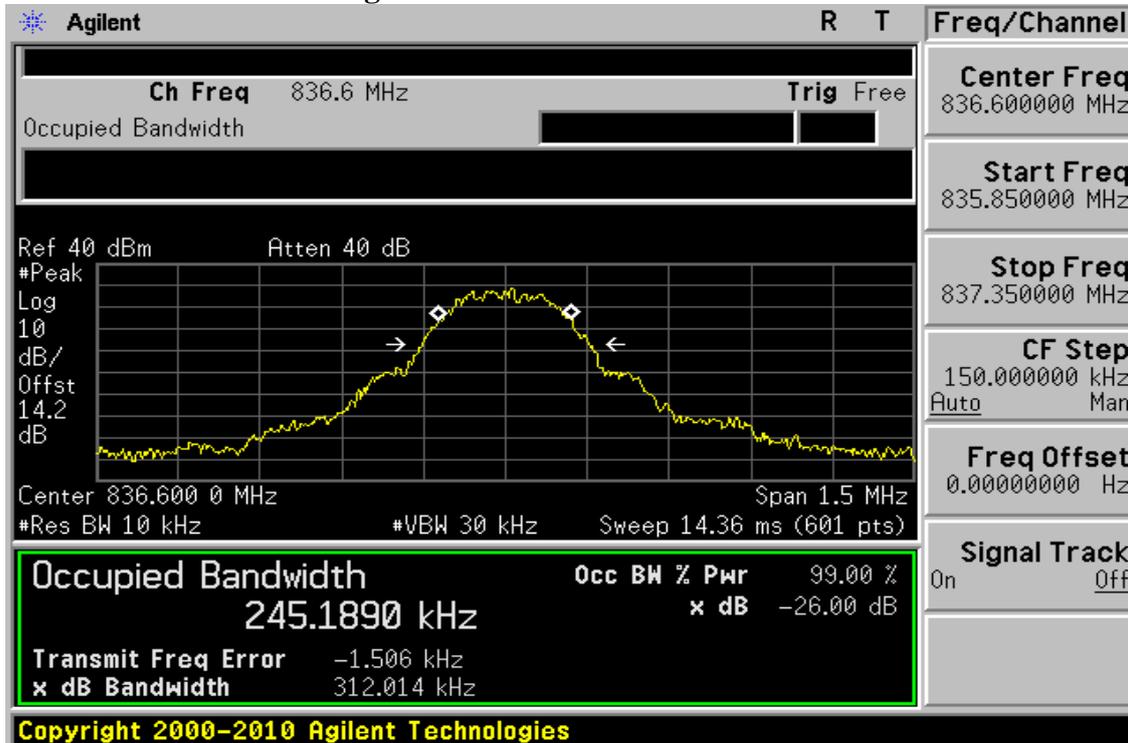


Figure 9-2 GRPS 850Channel Mid



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

GPRS Figure 9-3: GRPS 850 Channel High

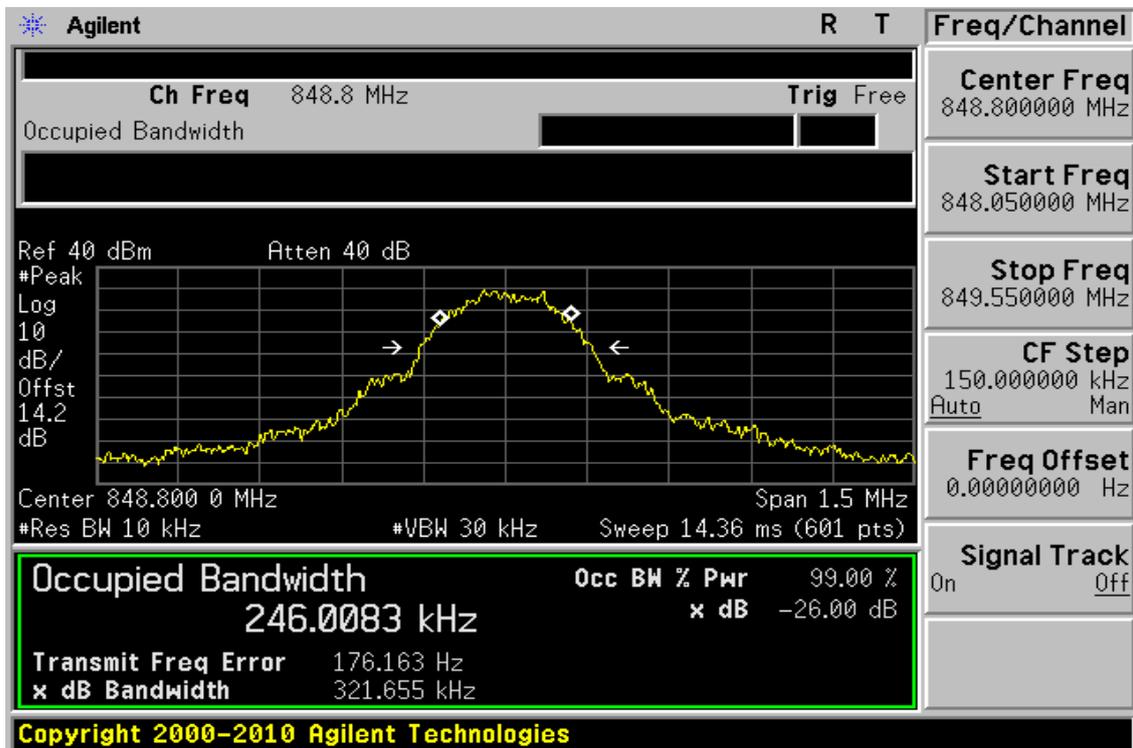
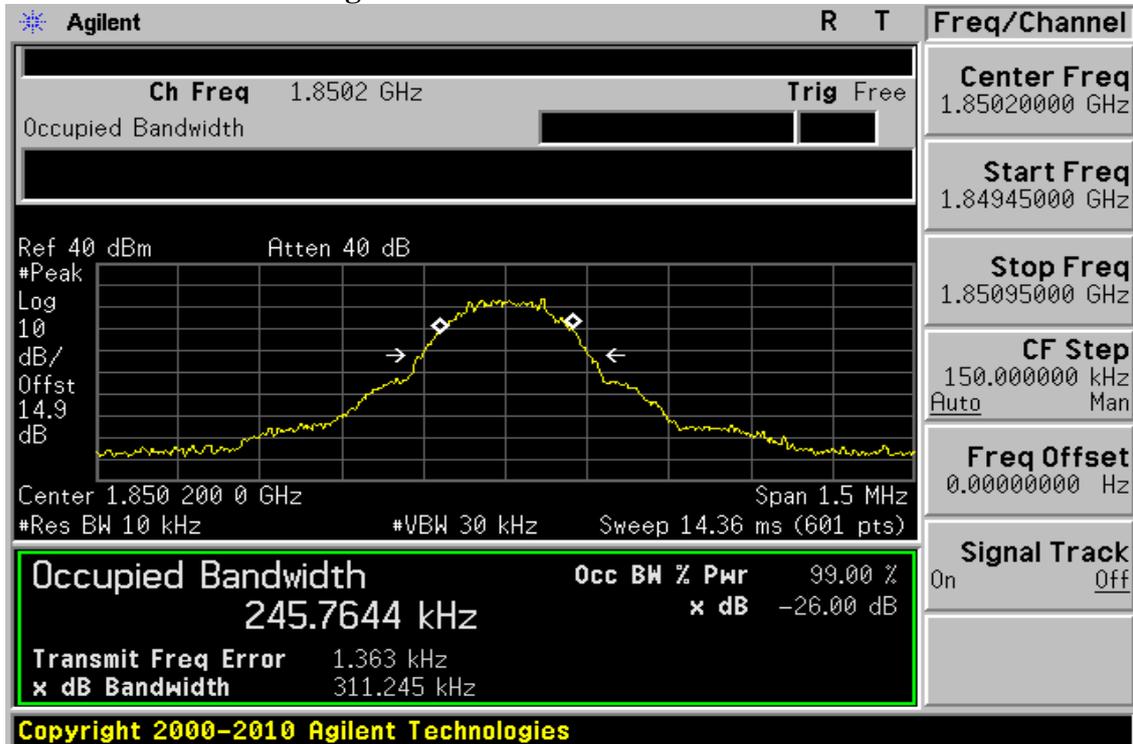


Figure 9-4: GRPS 1900 Channel Low



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 9-5 GRPS 1900 Channel Mid

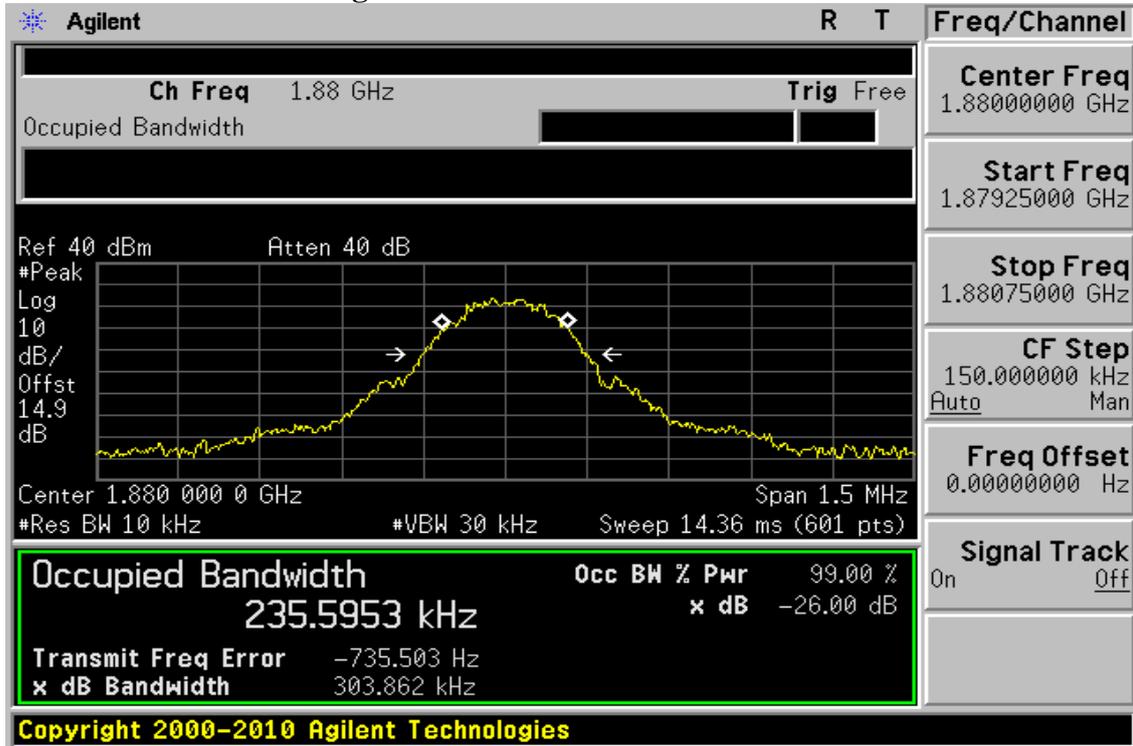


Figure 9-6: GRPS 1900 Channel High

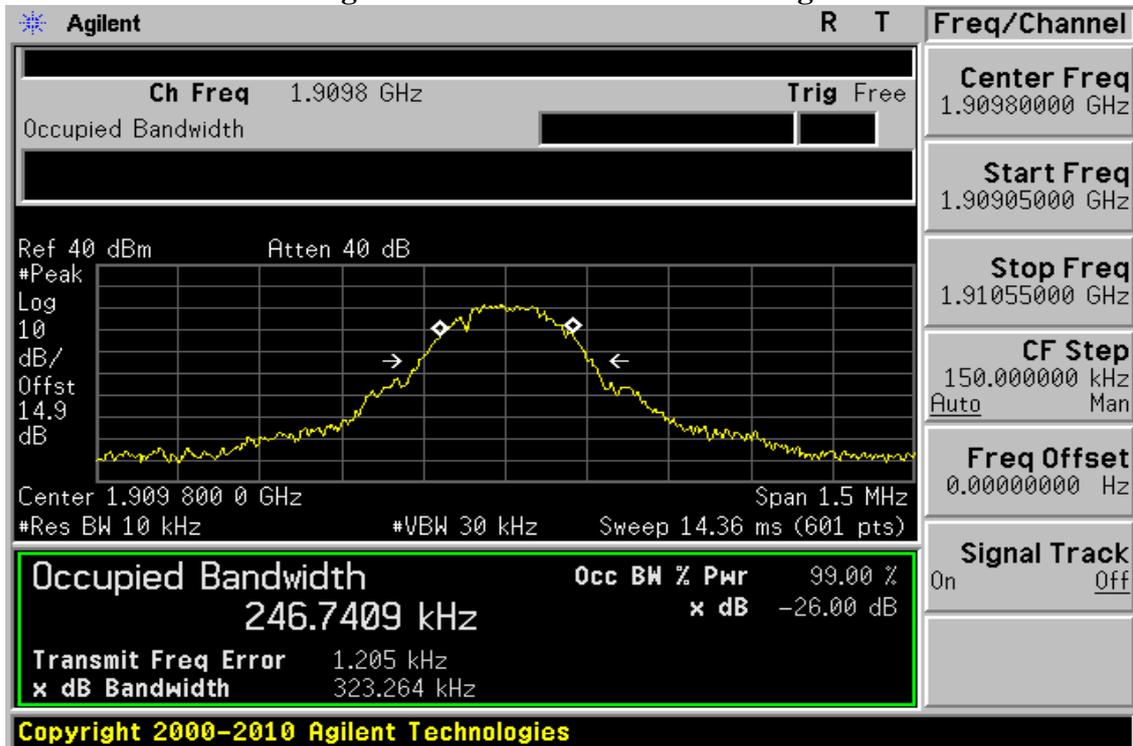


Figure 9-7: EDGE 850 Channel Low

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

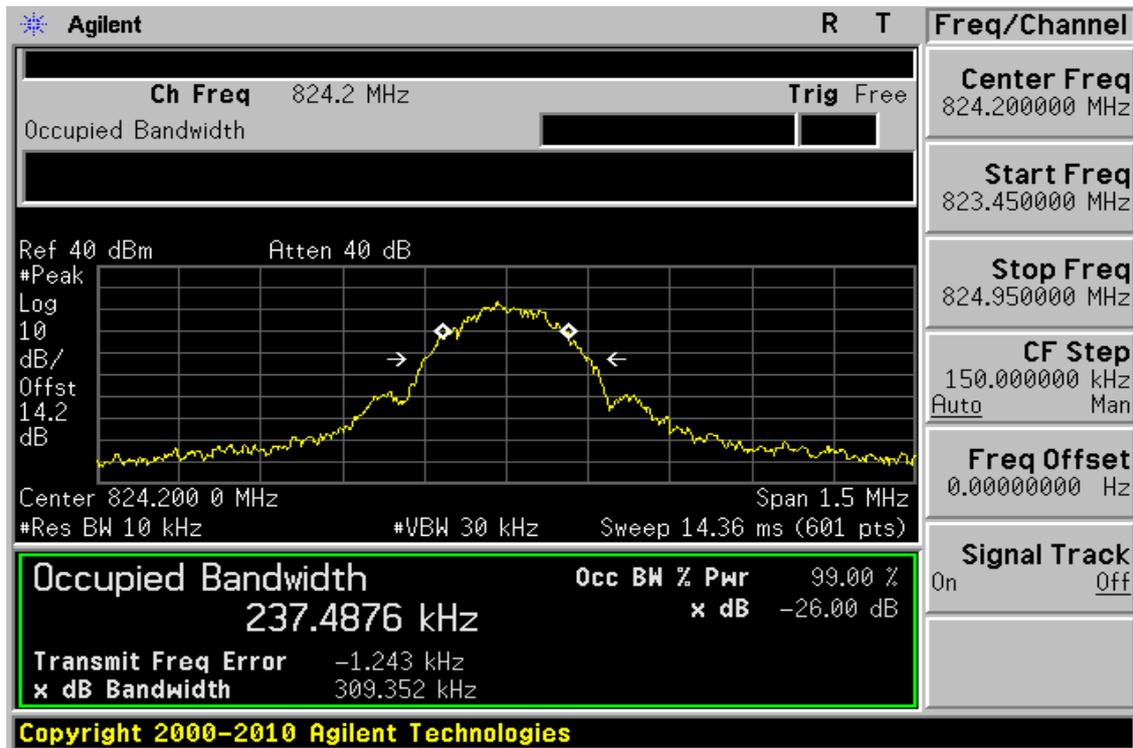
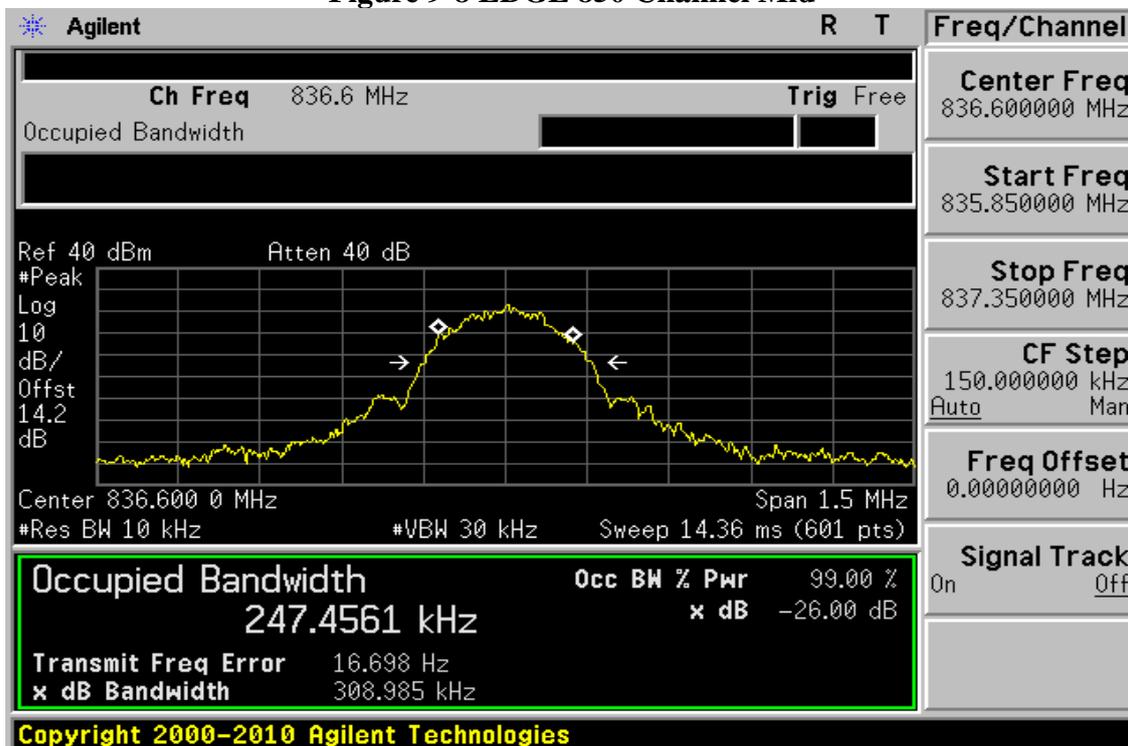


Figure 9-8 EDGE 850 Channel Mid



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

GPRS Figure 9-9: EDGE 850 Channel High

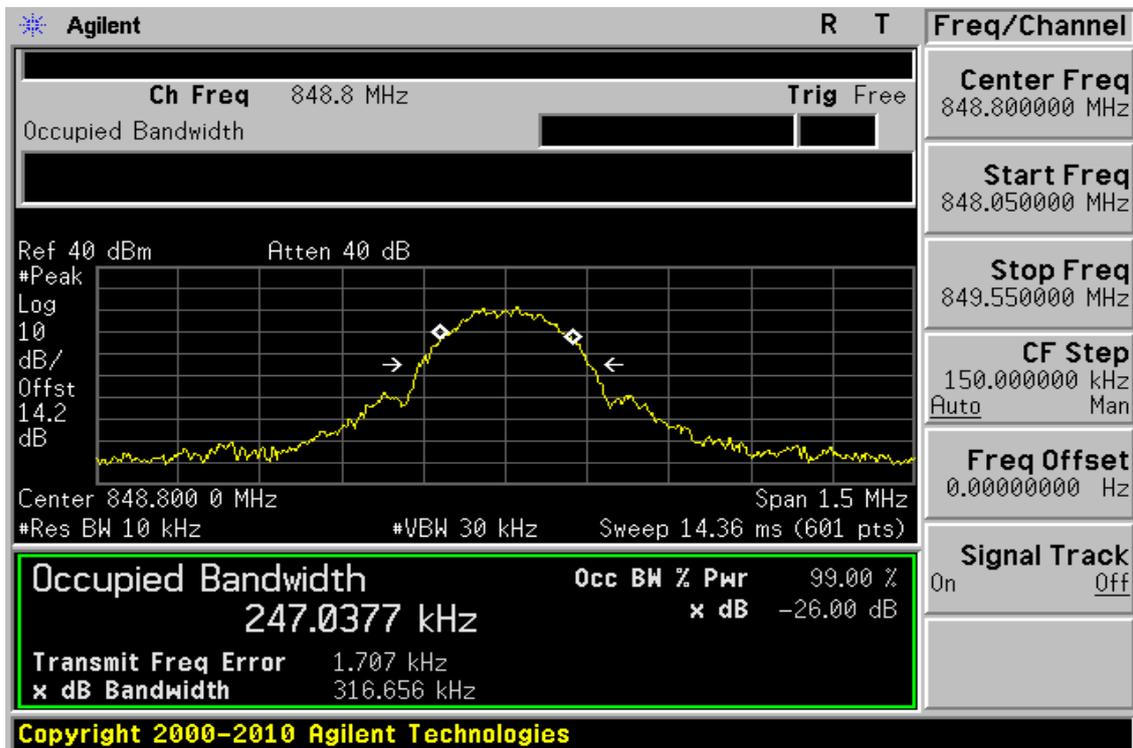
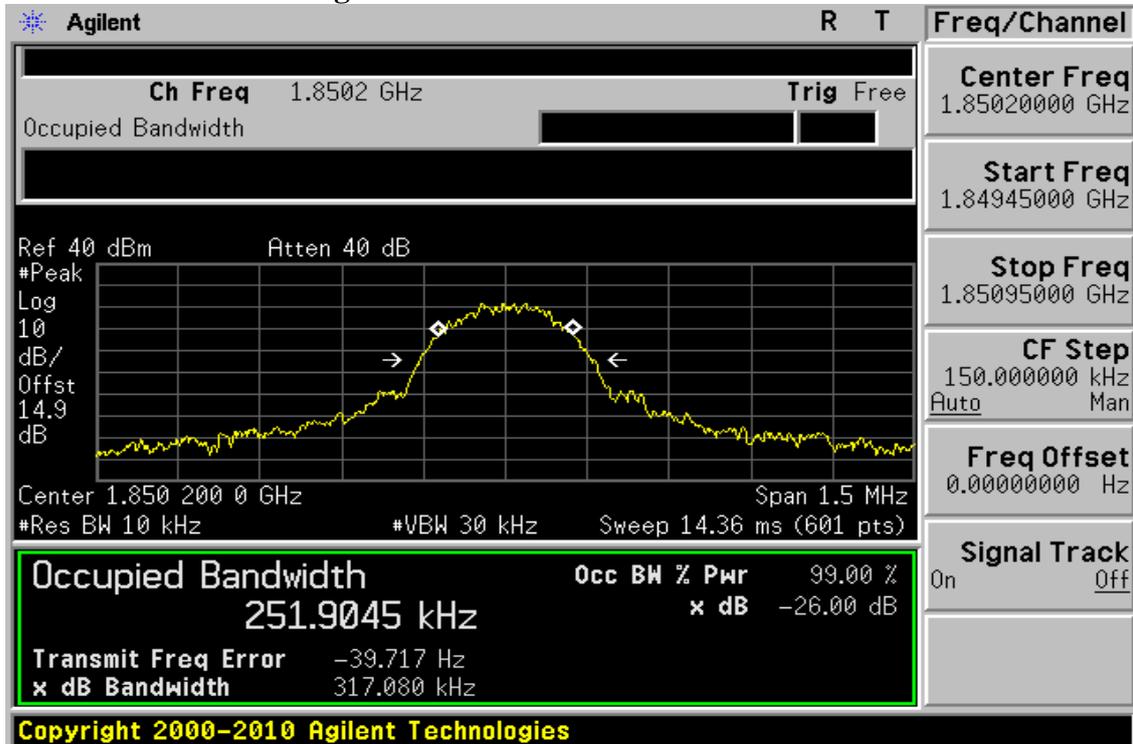


Figure 9-10: EDGE 1900 Channel Low



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 9-11 EDGE 1900 Channel Mid

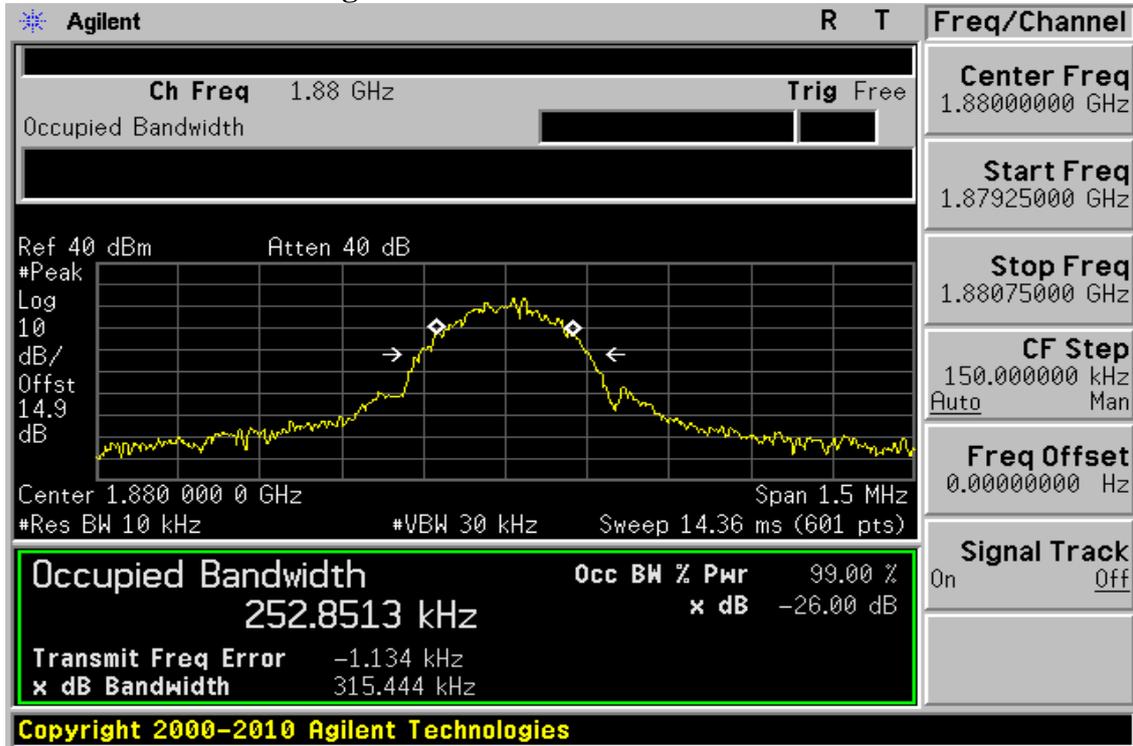
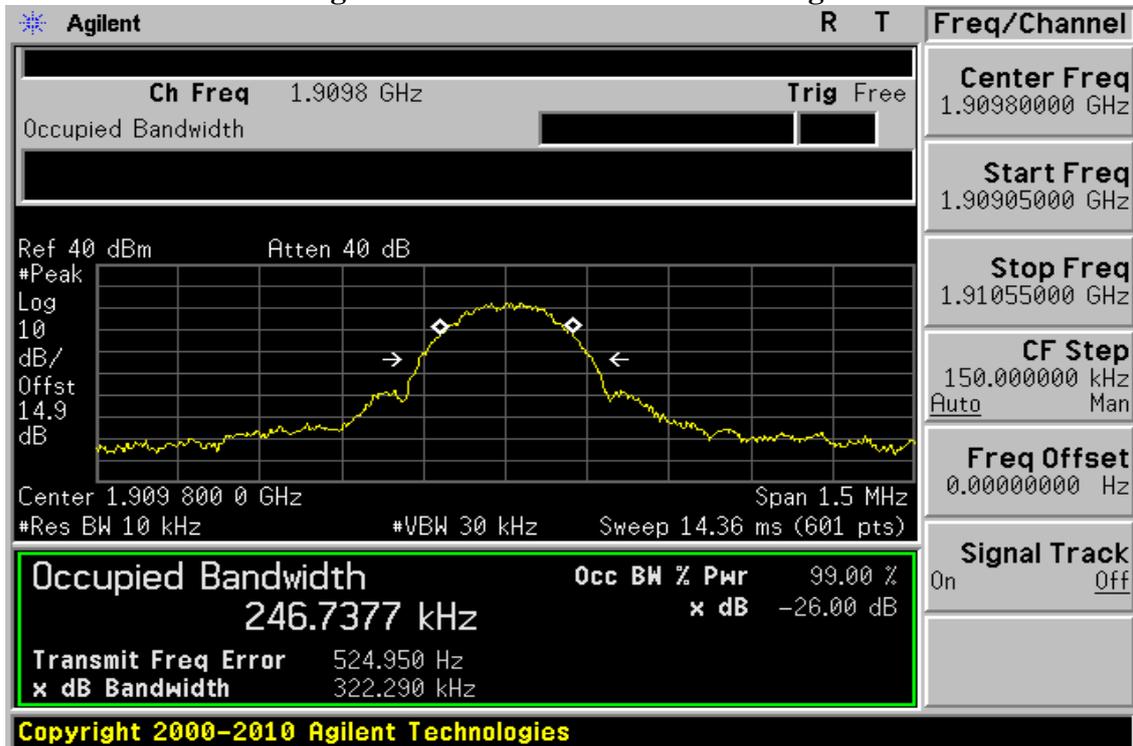


Figure 9-12: EDGE 1900 Channel High



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 9-13: WCDMA II Channel Low

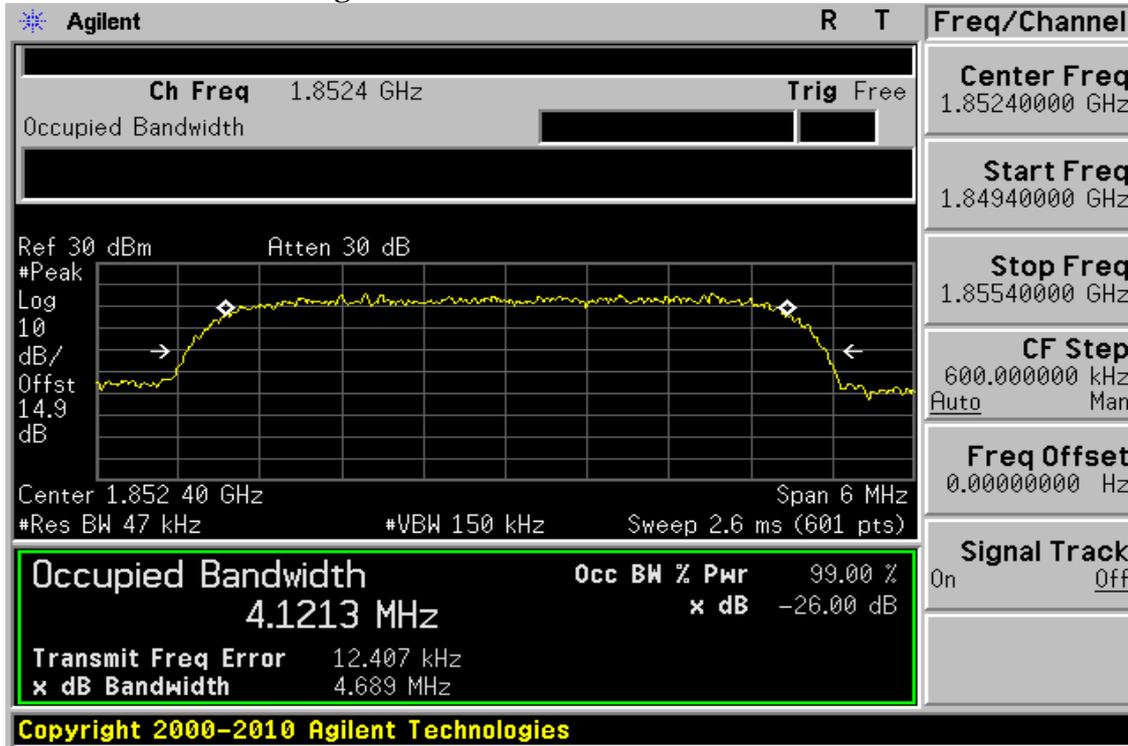
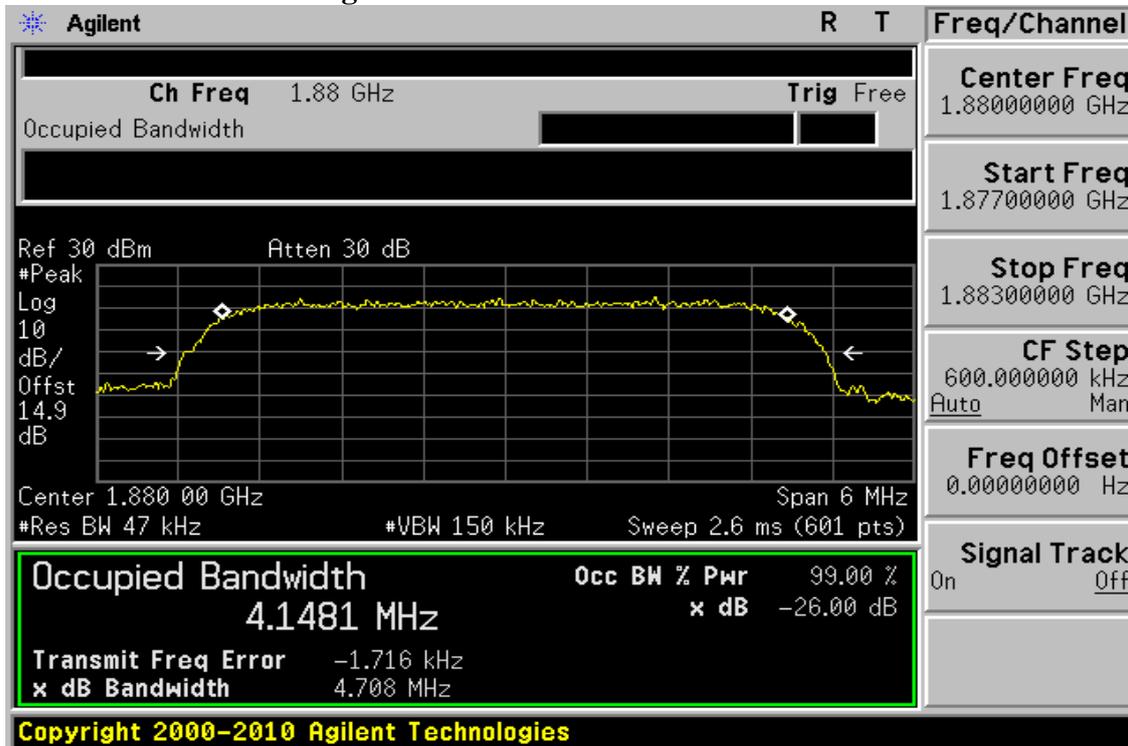


Figure 9-14 WCDMA II Channel Mid



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 9-15: WCDMA II Channel High

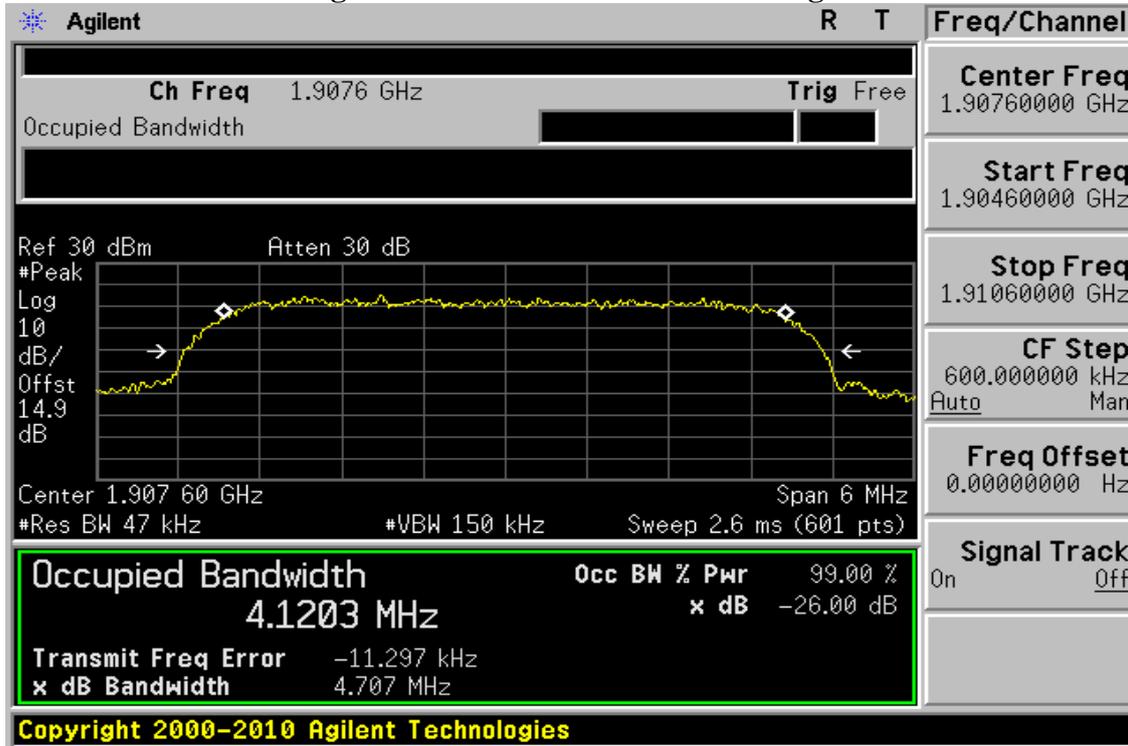
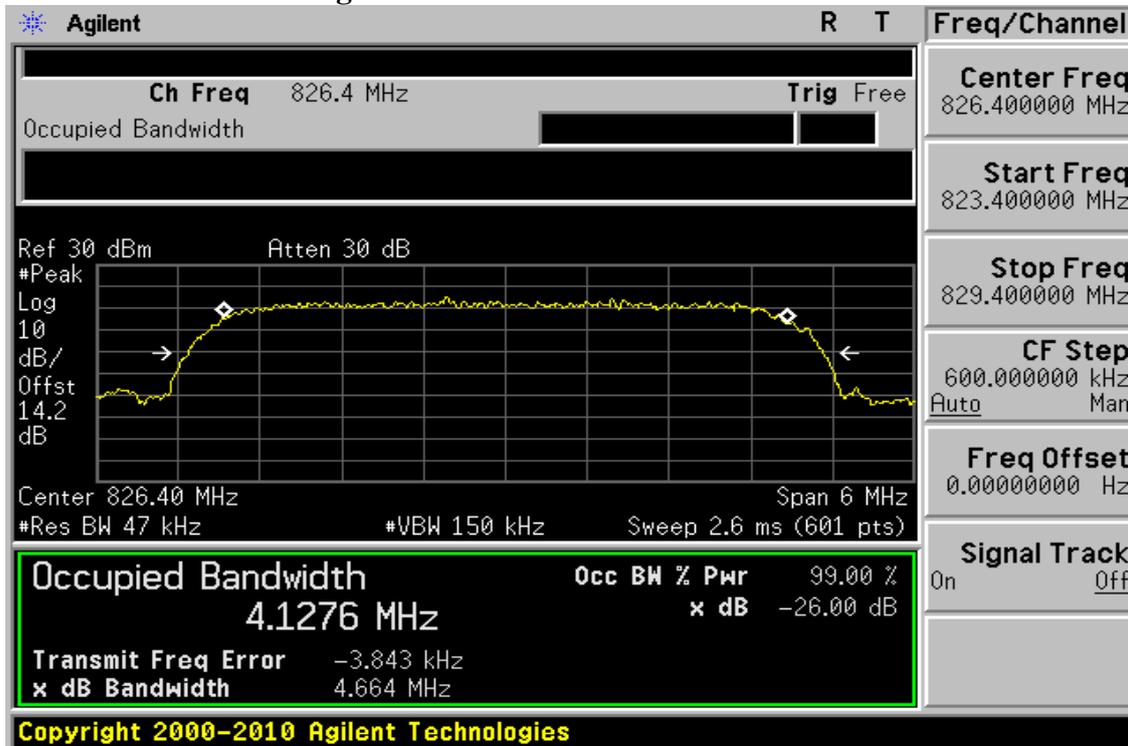


Figure 9-16: WCDMA V Channel Low



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 9-17: WCDMA II Channel Mid

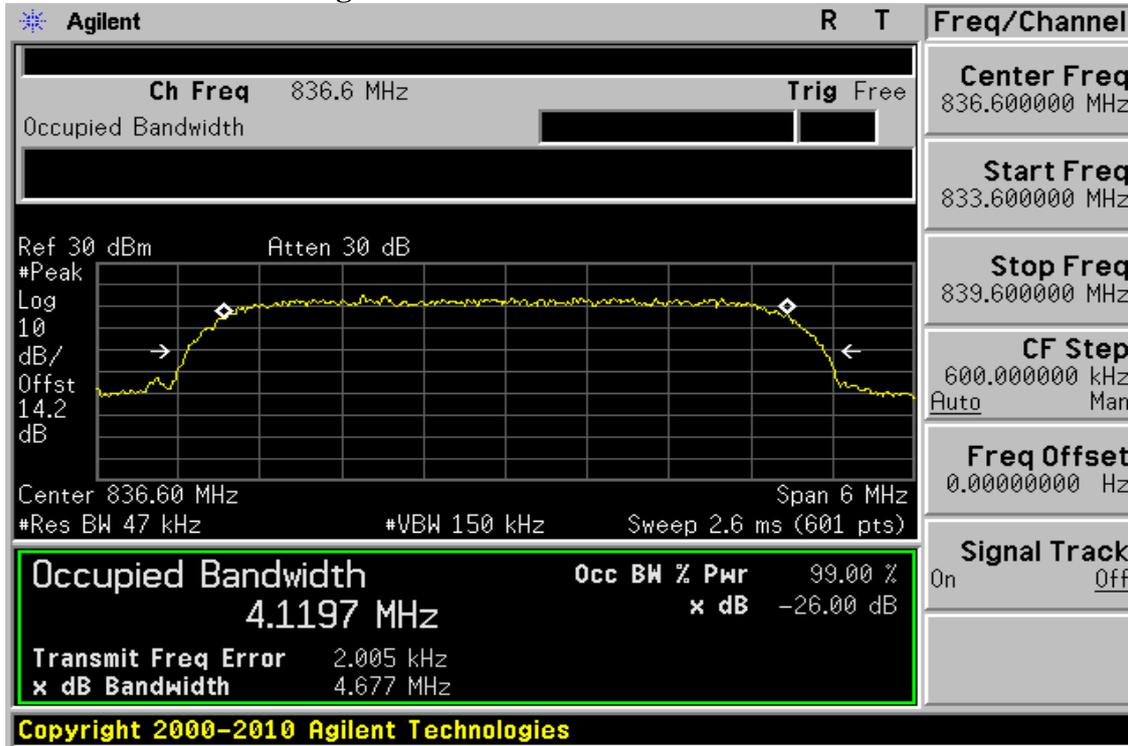
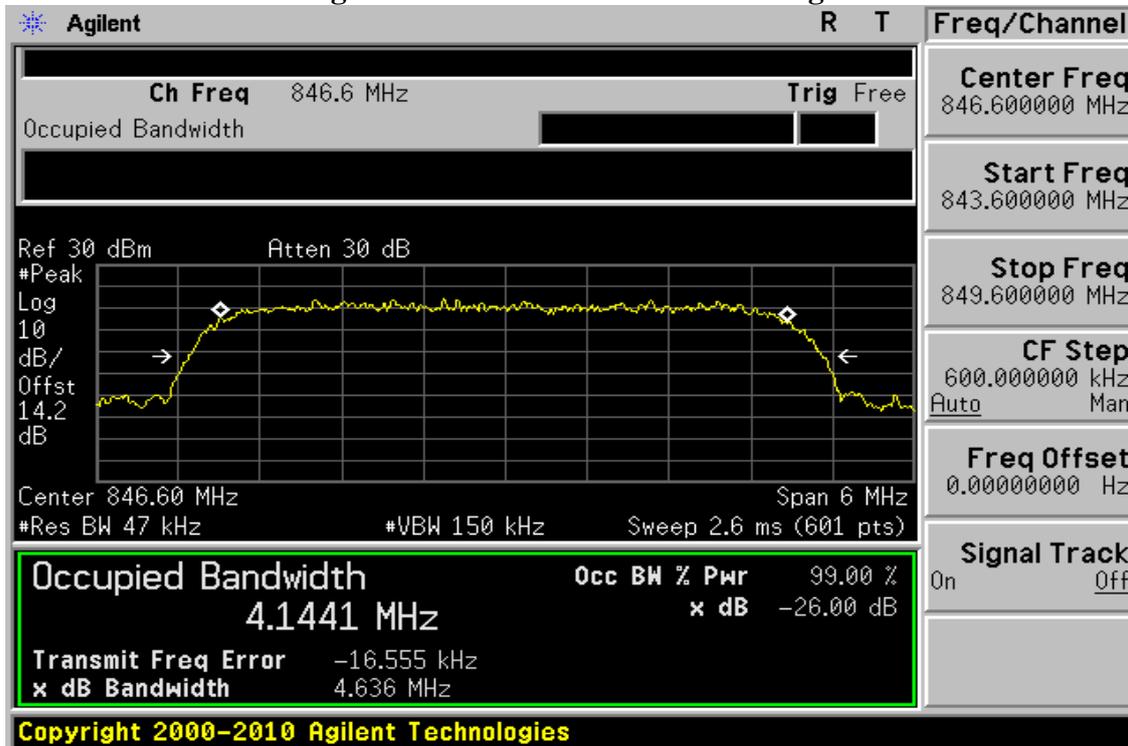


Figure 9-18: WCDMA II Channel High



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 9-19: HSUPA II Channel Low

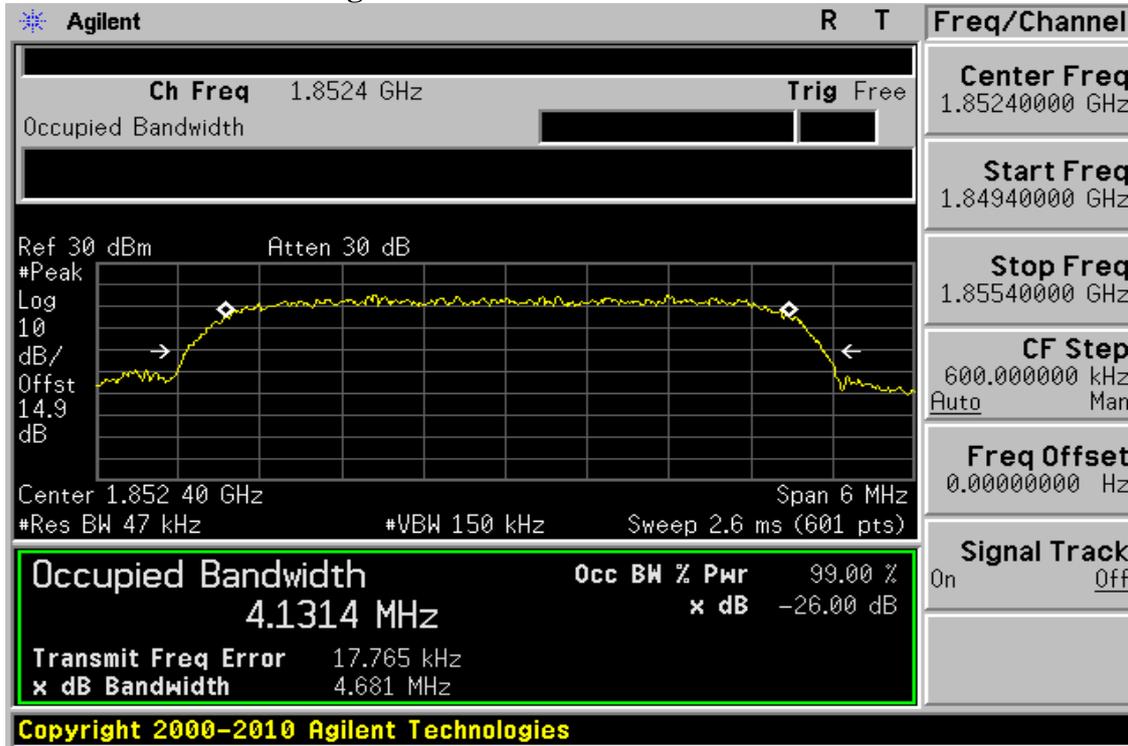
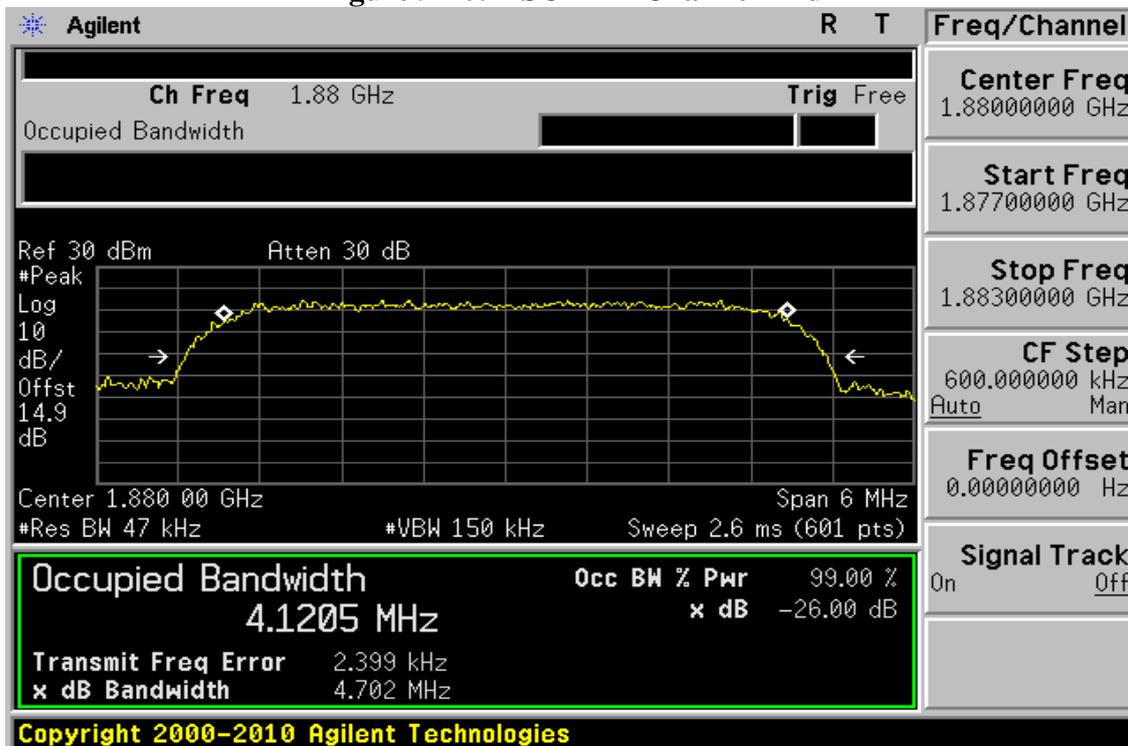


Figure 9-20: HSUPA II Channel Mid



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 9-21: HSUPA II Channel High

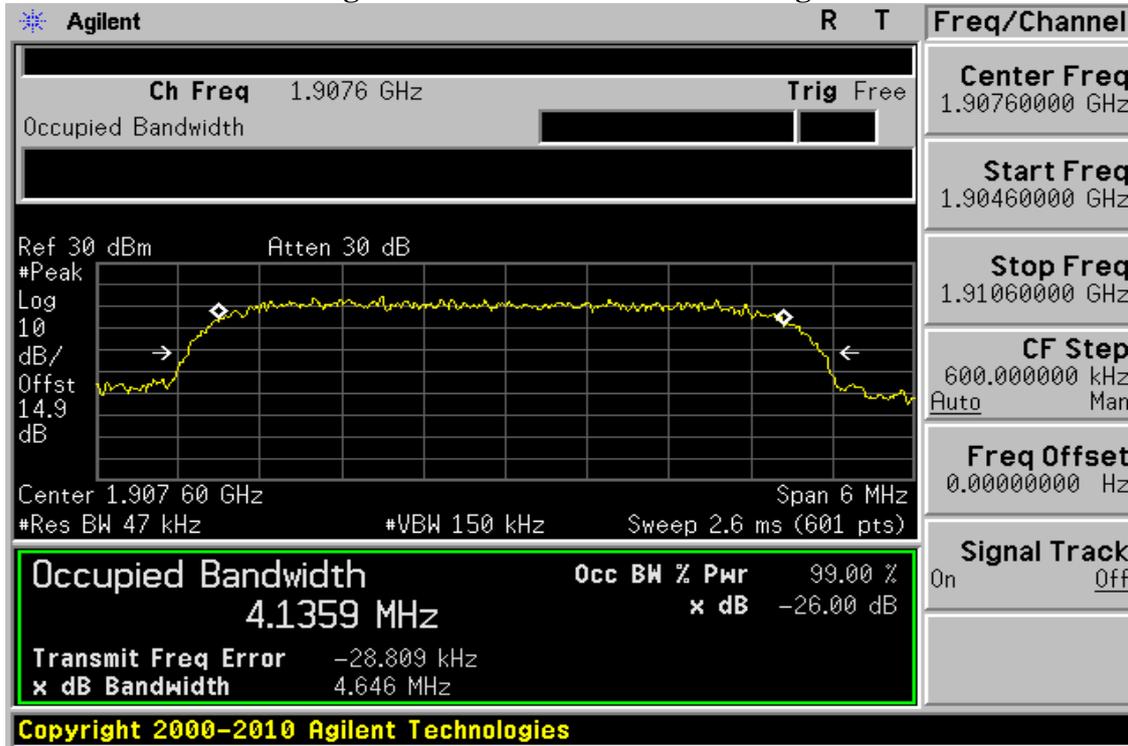
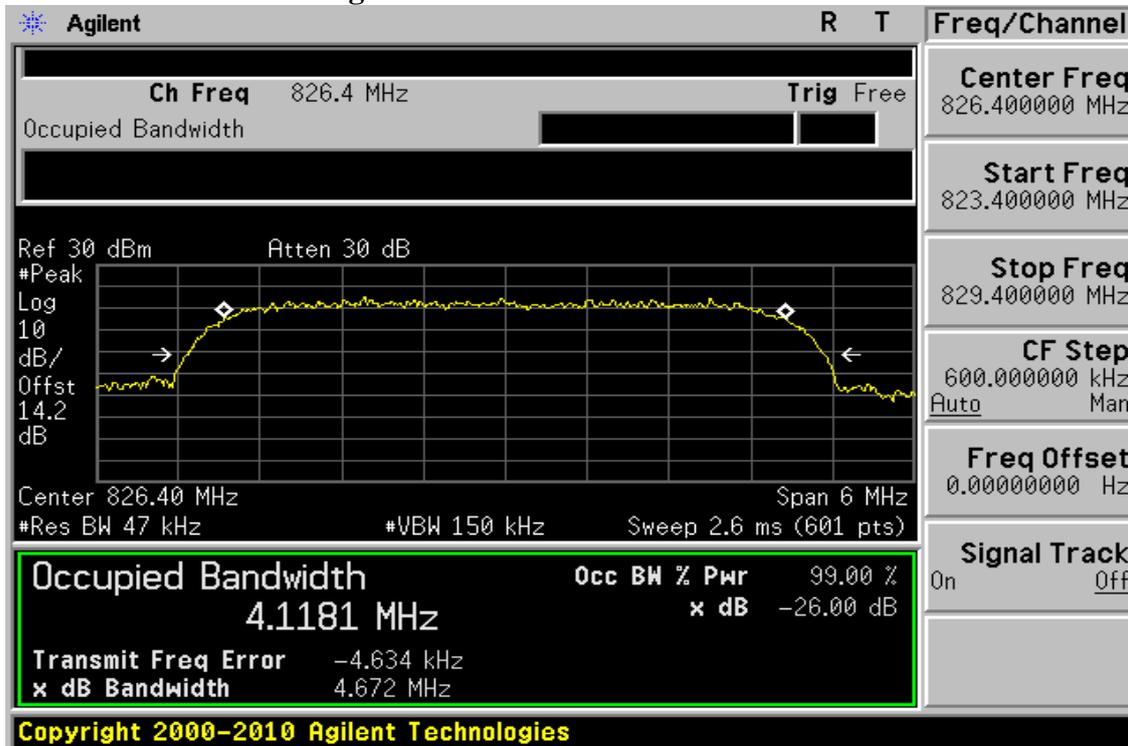


Figure 9-22: HSUPA V Channel Low



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 9-23: HSUPA V Channel Mid

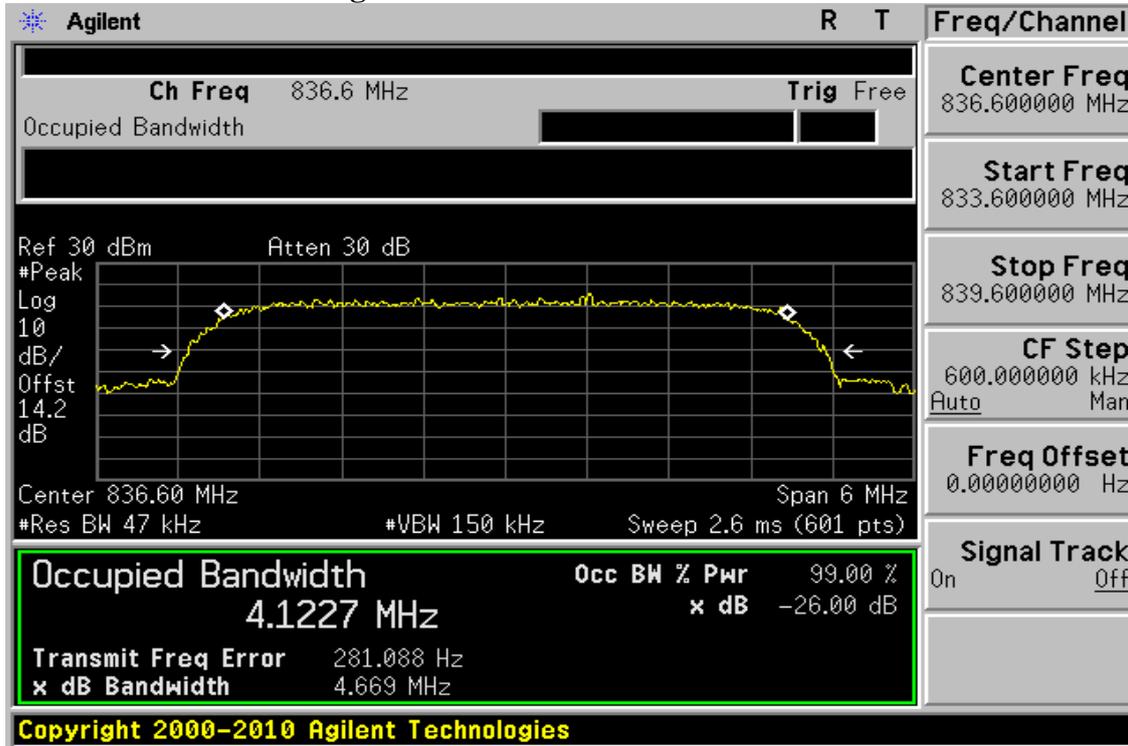


Figure 9-24: HSUPA V Channel High

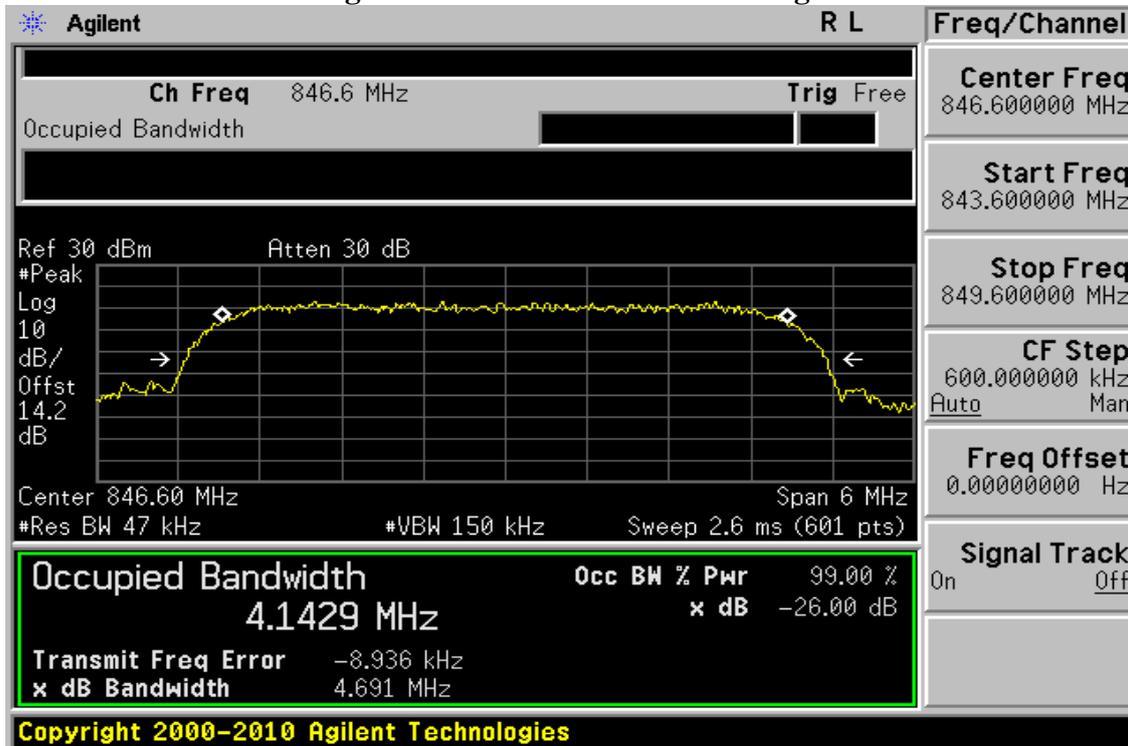


Figure 9-25: HSDPA II Channel Low

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

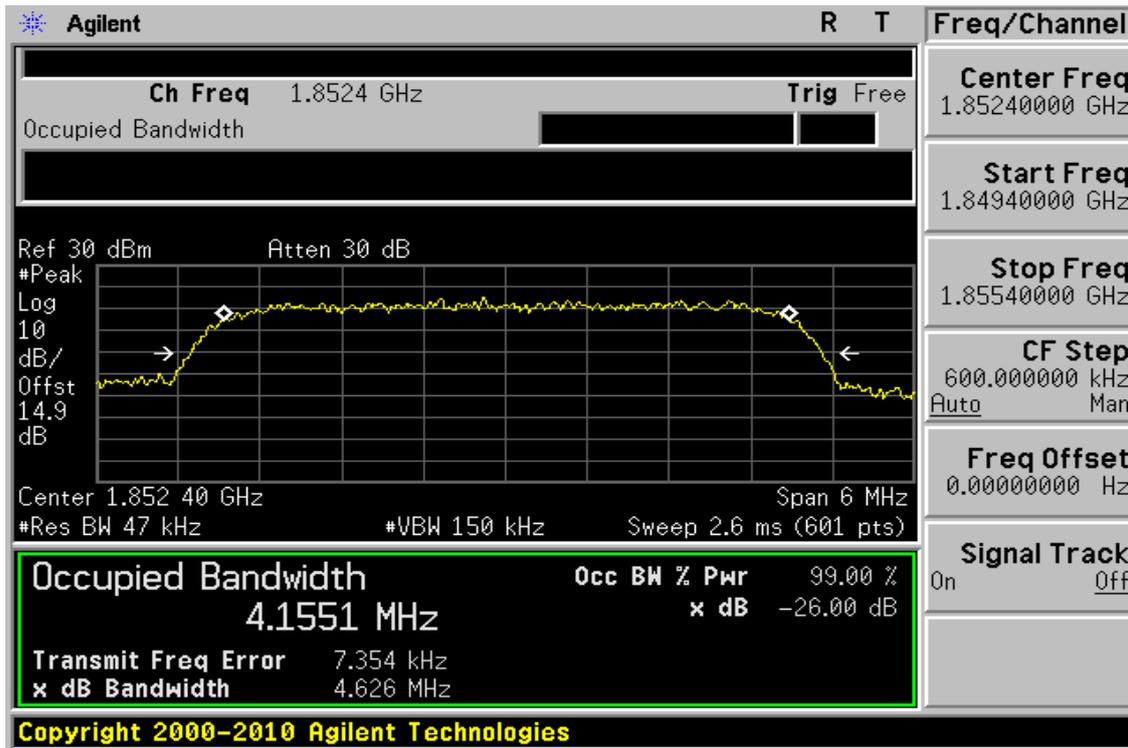
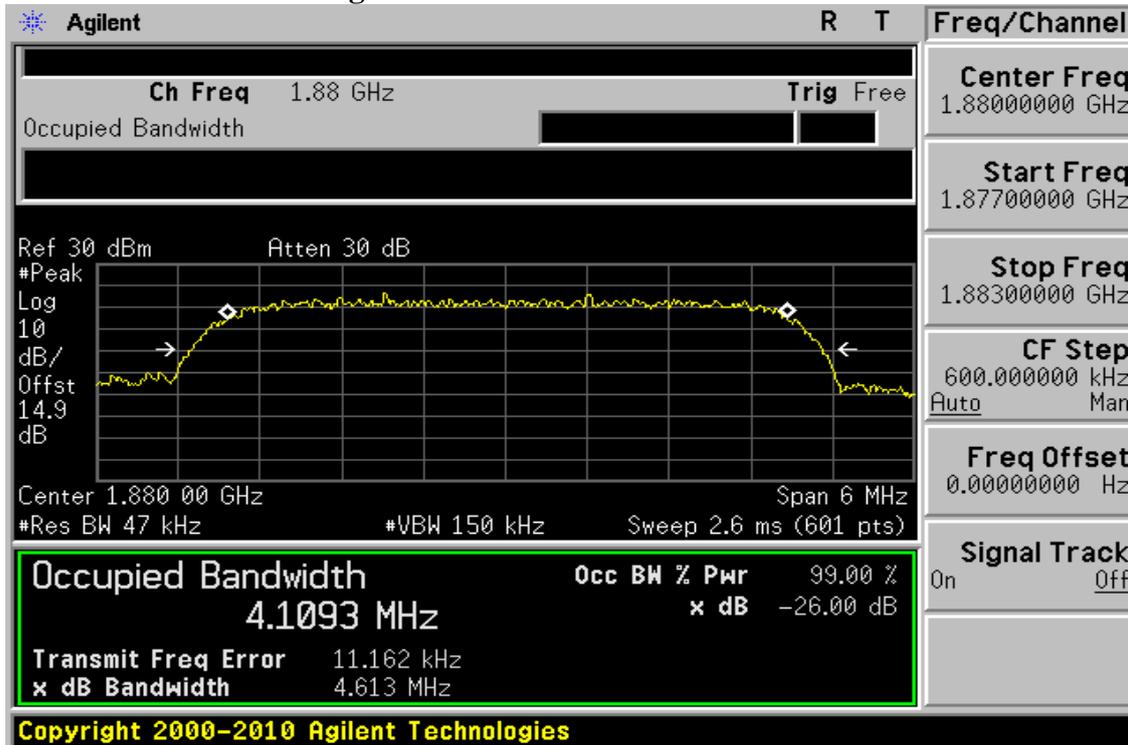


Figure 9-26: HSDPA II Channel Mid



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, WuKung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 9-27: HSDPA II Channel High

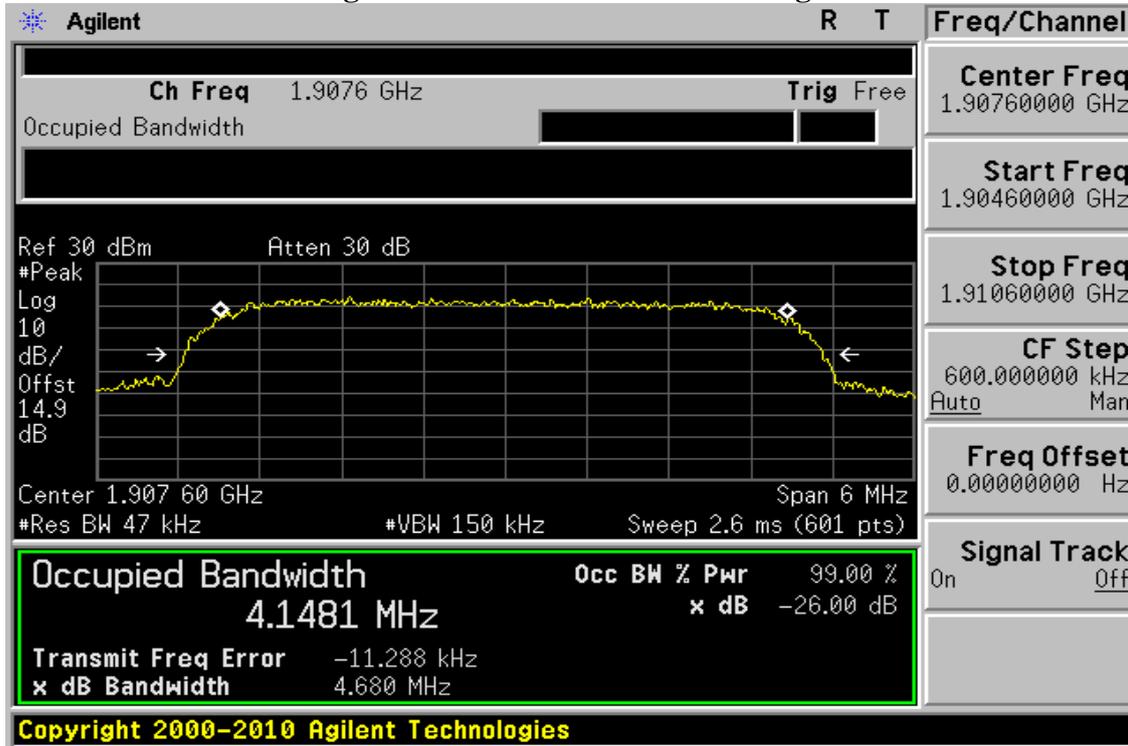
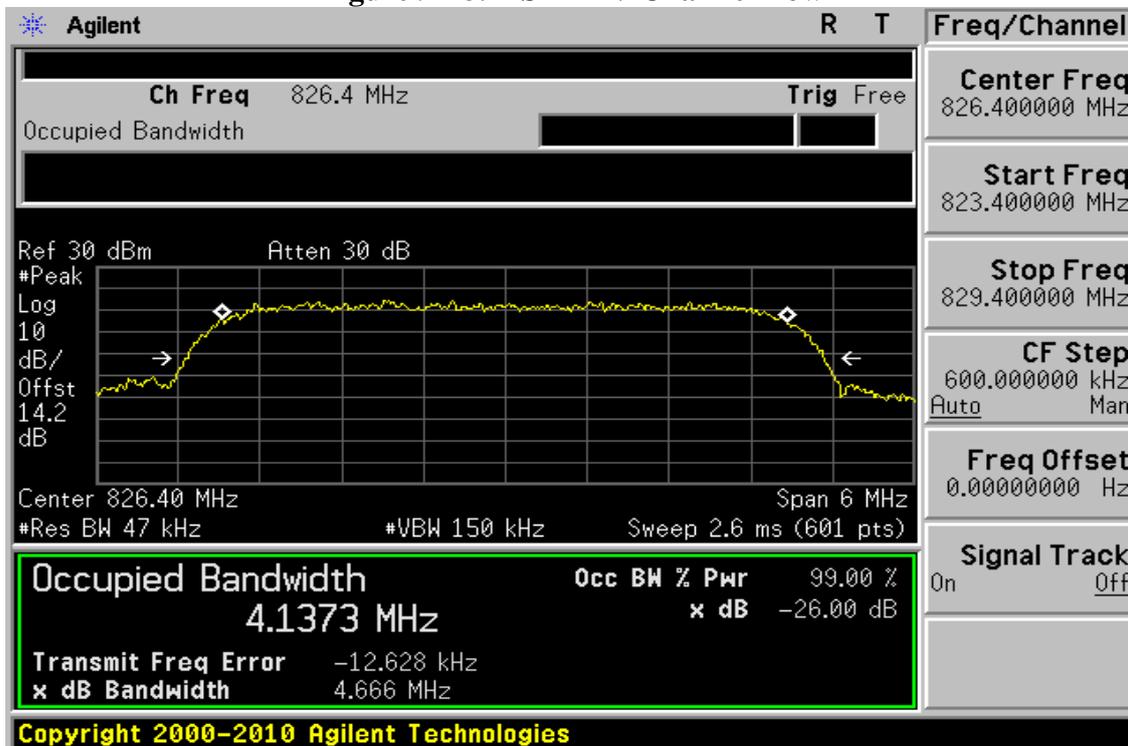


Figure 9-28: HSDPA V Channel Low



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 9-29: HSDPA V Channel Mid

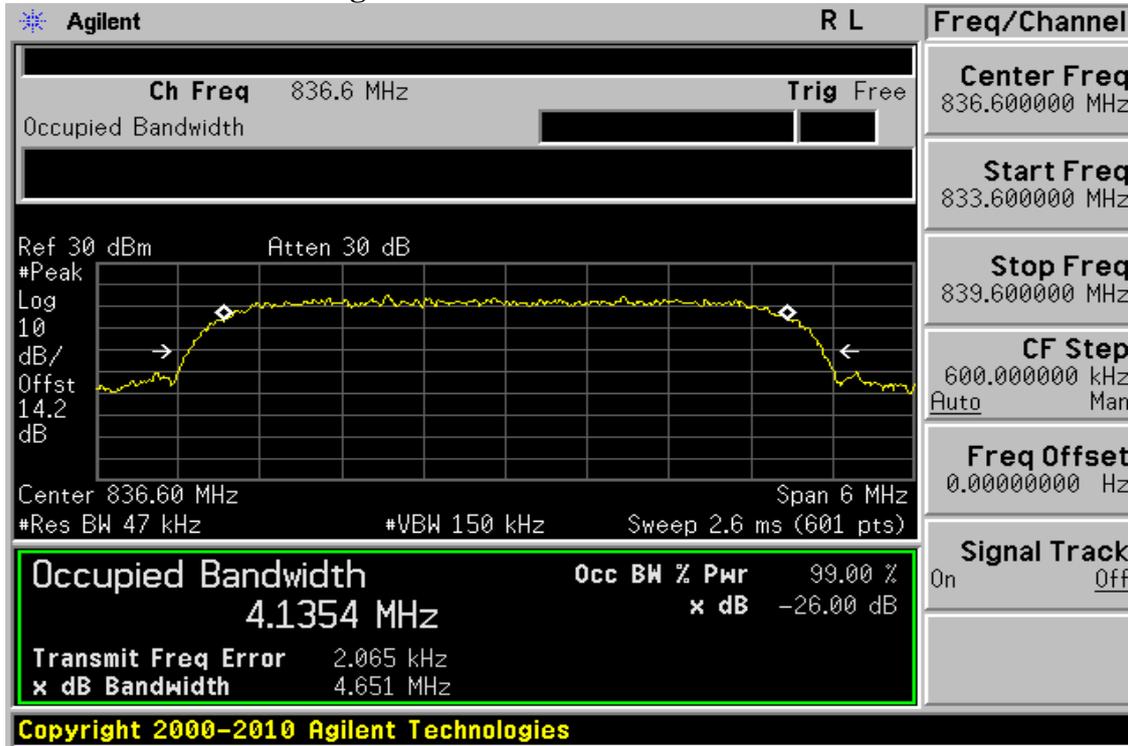
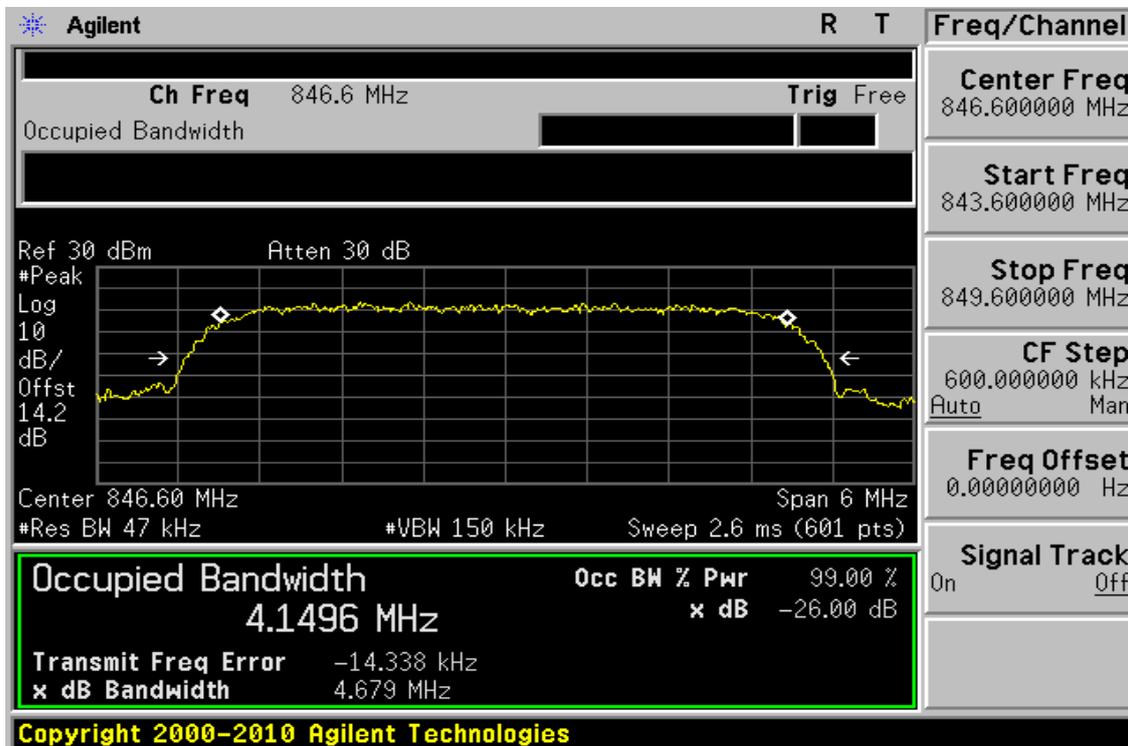


Figure 9-30: HSDPA V Channel High



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 9-31: 1.4MHz BW LTE-Band 4(QPSK RB Number: 6 Offset: 0) Channel Low

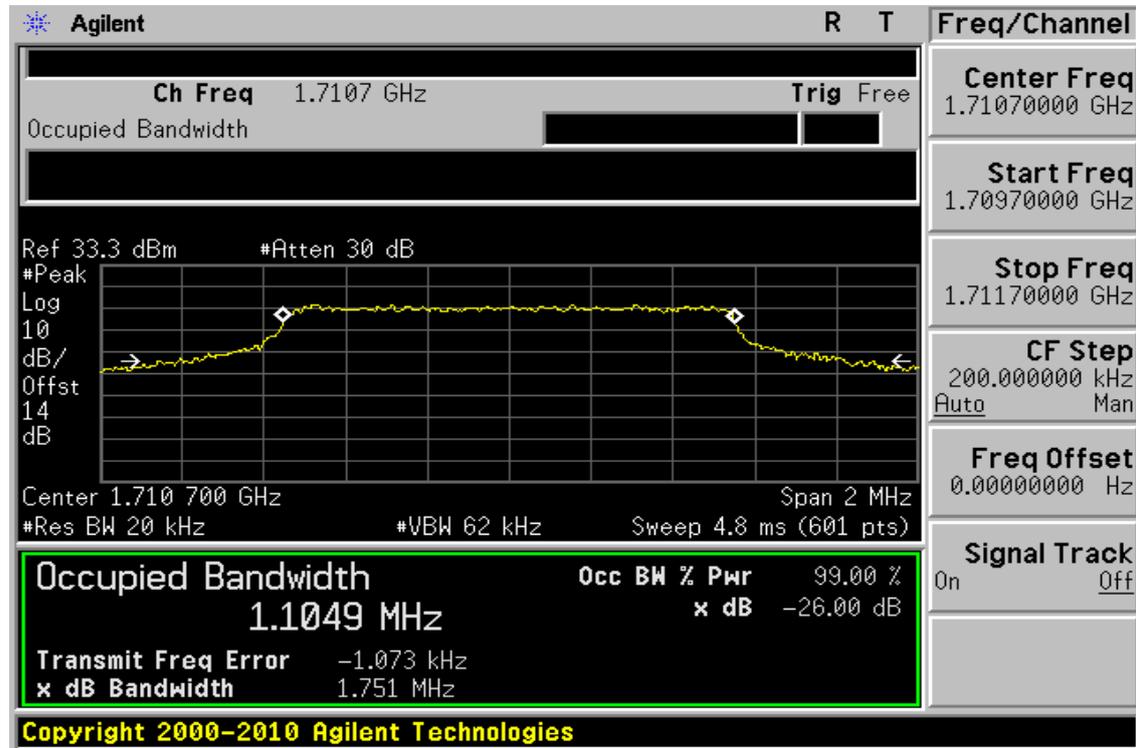
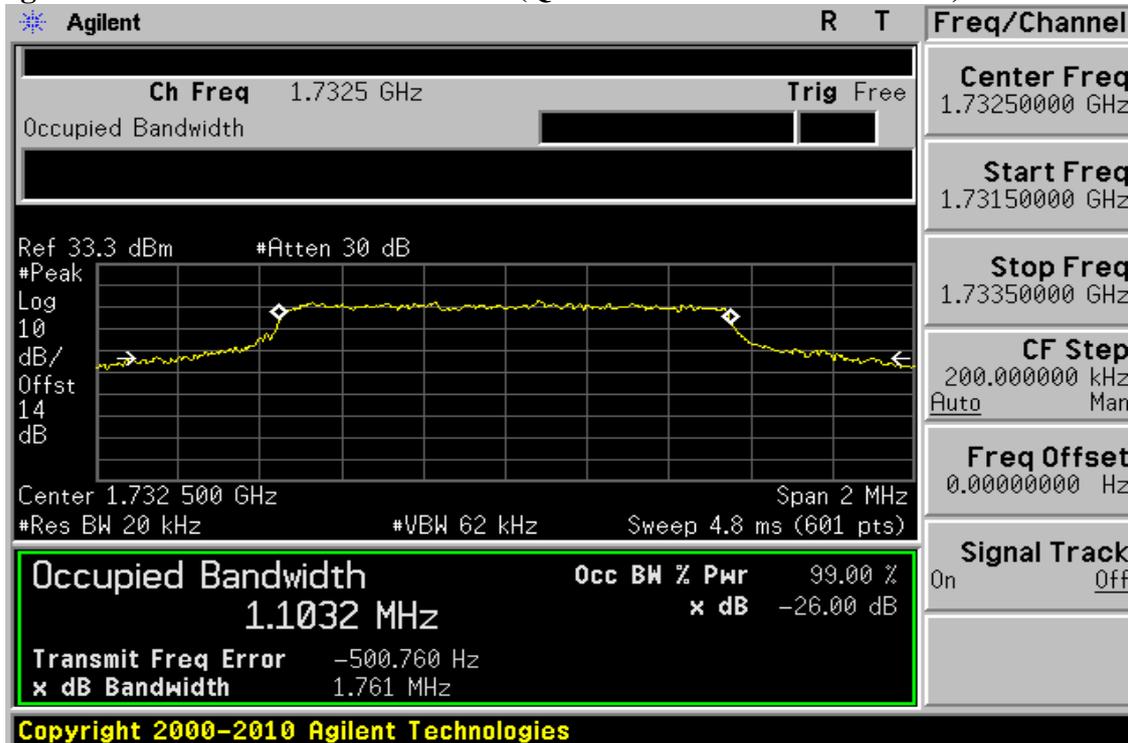


Figure 9-32: 1.4MHz BW LTE-Band 4(QPSK RB Number: 6 Offset: 0) Channel Mid



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 9-33: 1.4MHz BW LTE-Band 4(QPSK RB Number: 6 Offset: 0) Channel High

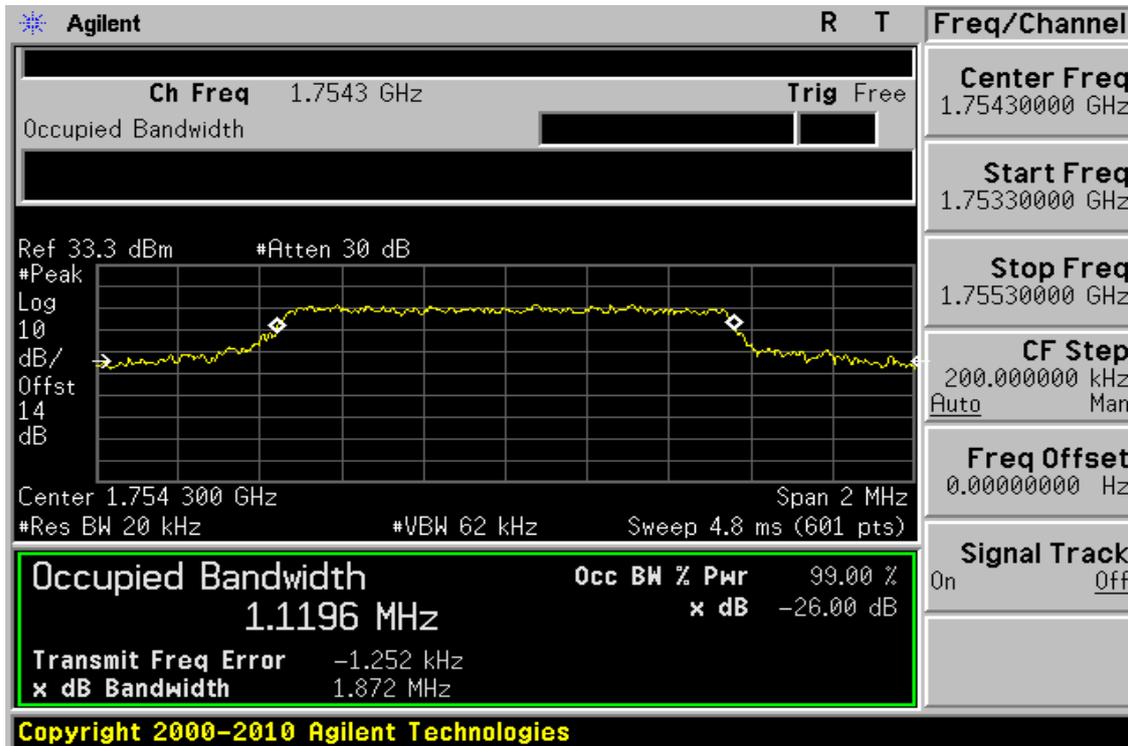
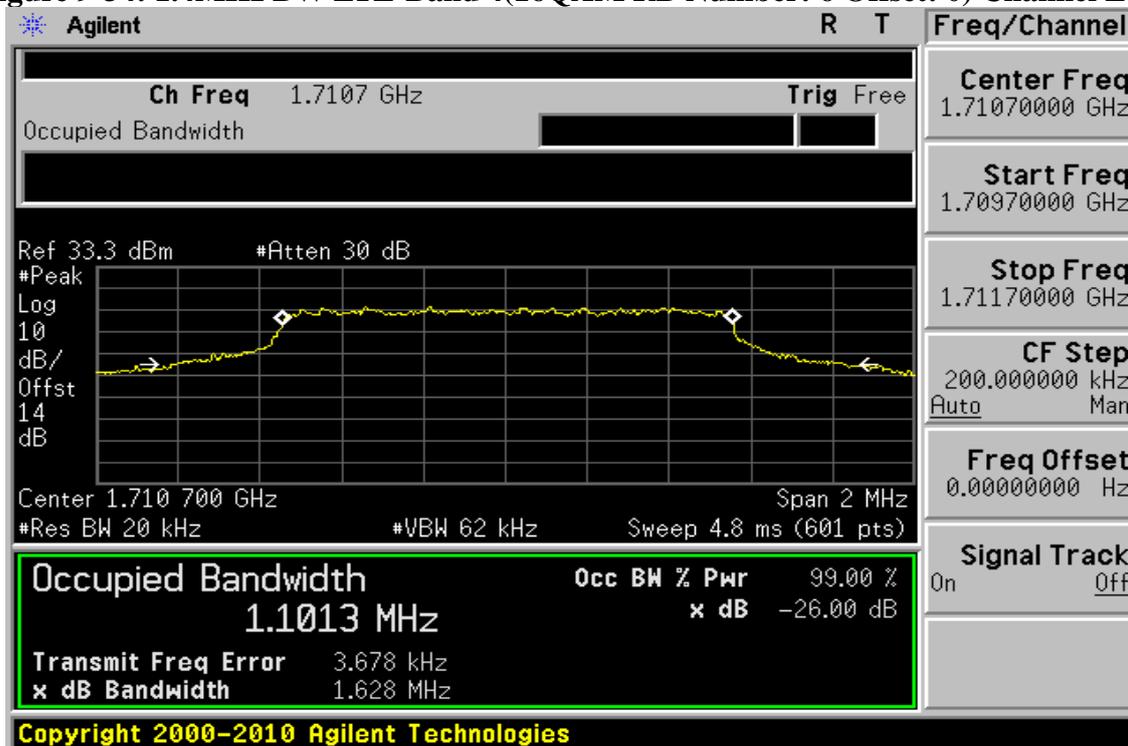


Figure 9-34: 1.4MHz BW LTE-Band 4(16QAM RB Number: 6 Offset: 0) Channel Low



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 9-35: 1.4MHz BW LTE-Band 4(16QAM RB Number: 6 Offset: 0) Channel Mid

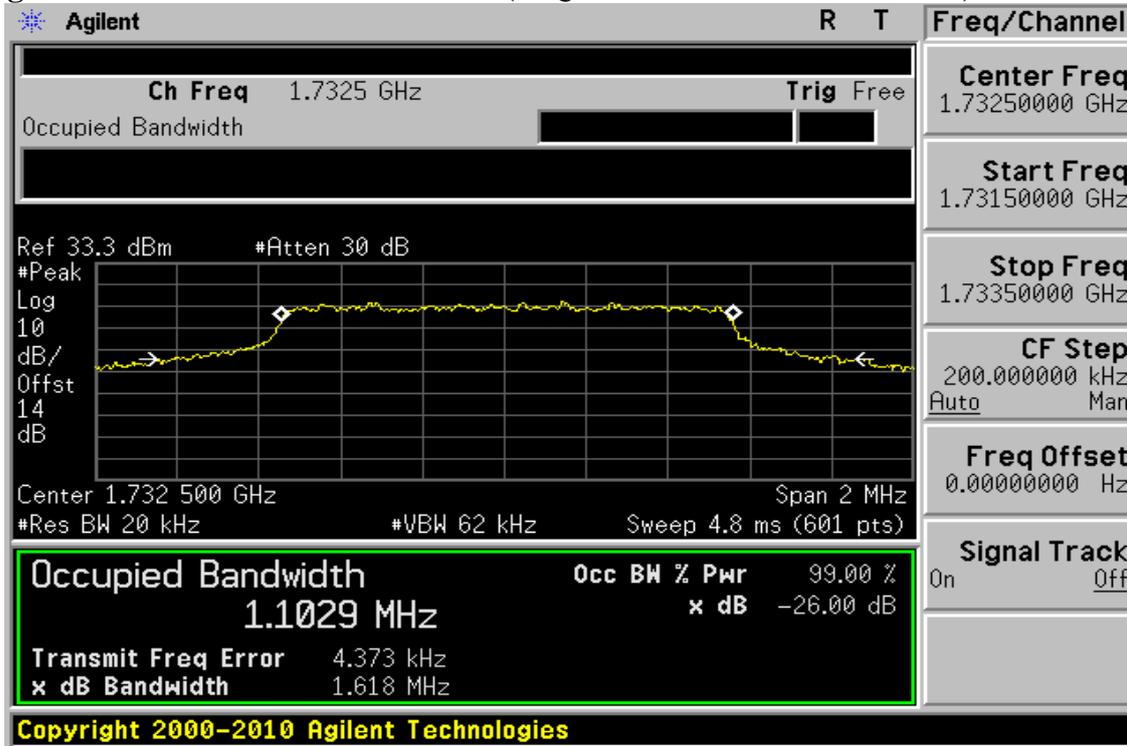
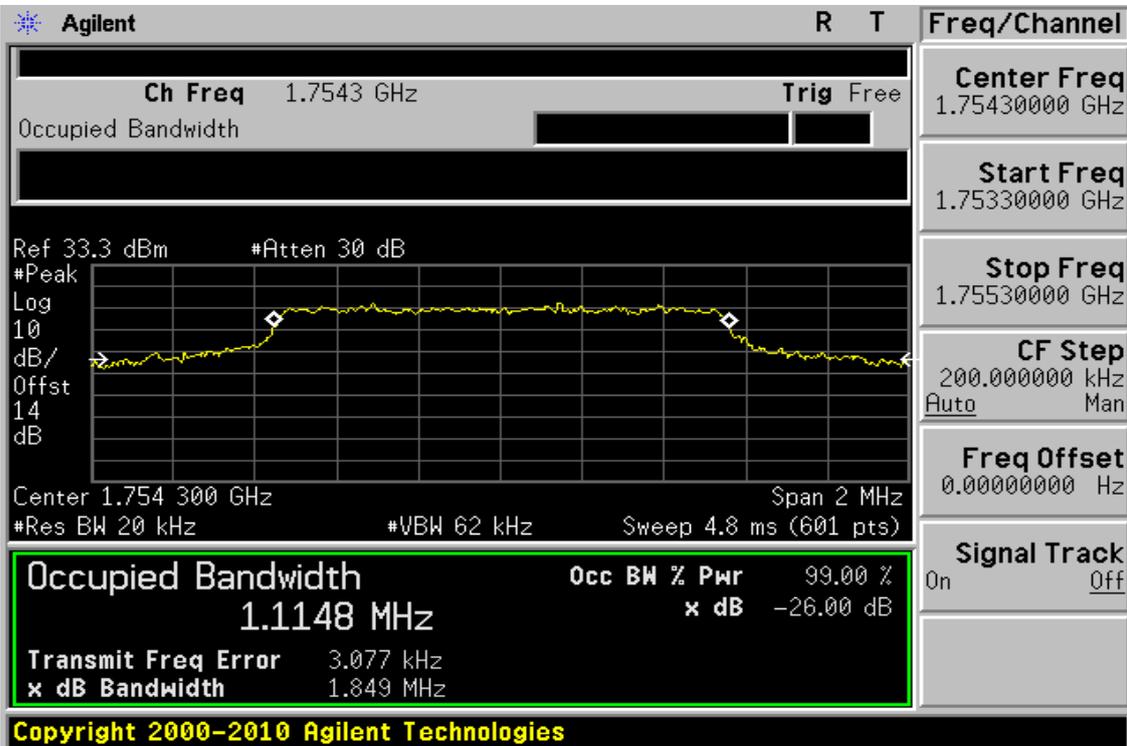


Figure 9-36: 1.4MHz BW LTE-Band 4(16QAM RB Number: 6 Offset: 0) Channel High



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 9-37: 3MHz BW LTE-Band 4(QPSK RB Number: 15 Offset: 0) Channel Low

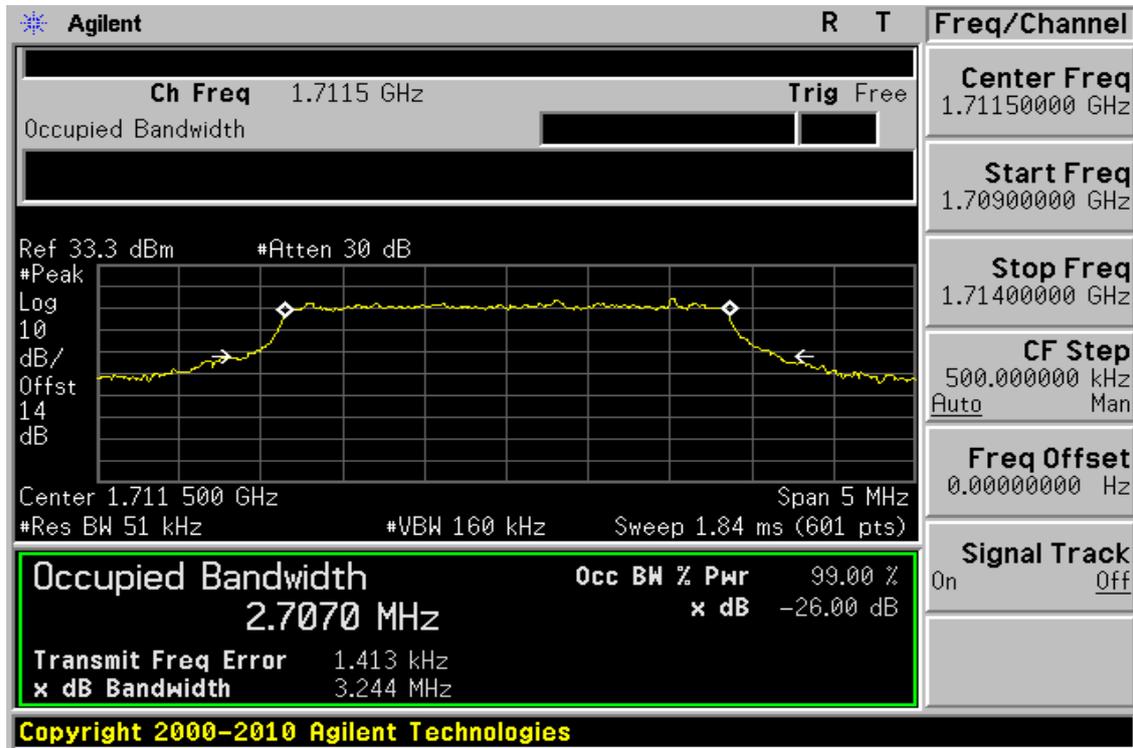
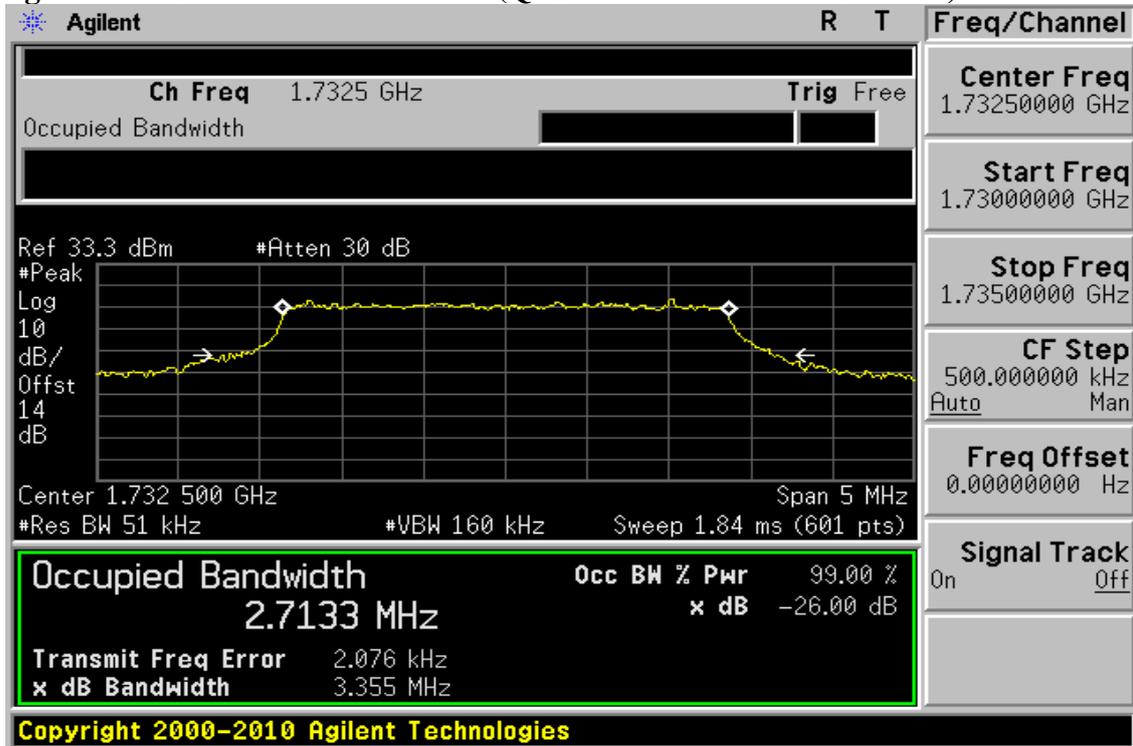


Figure 9-38: 3MHz BW LTE-Band 4(QPSK RB Number: 15 Offset: 0) Channel Mid



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 9-39: 3MHz BW LTE-Band 4(QPSK RB Number: 15 Offset: 0) Channel High

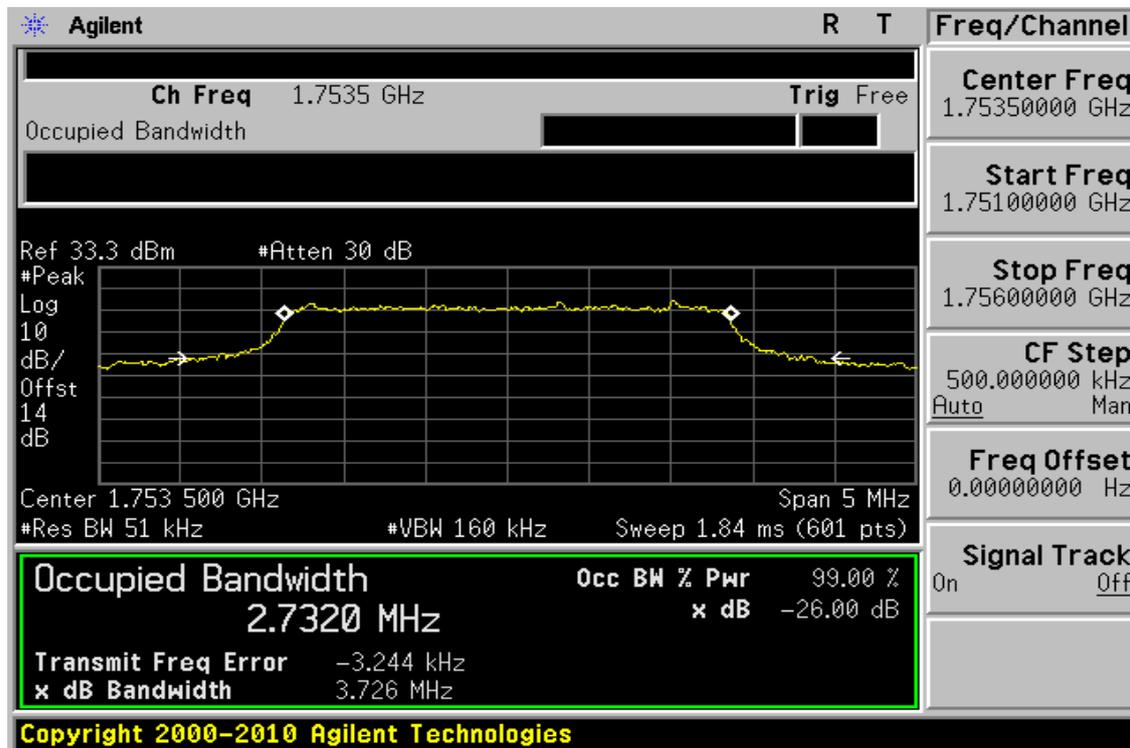
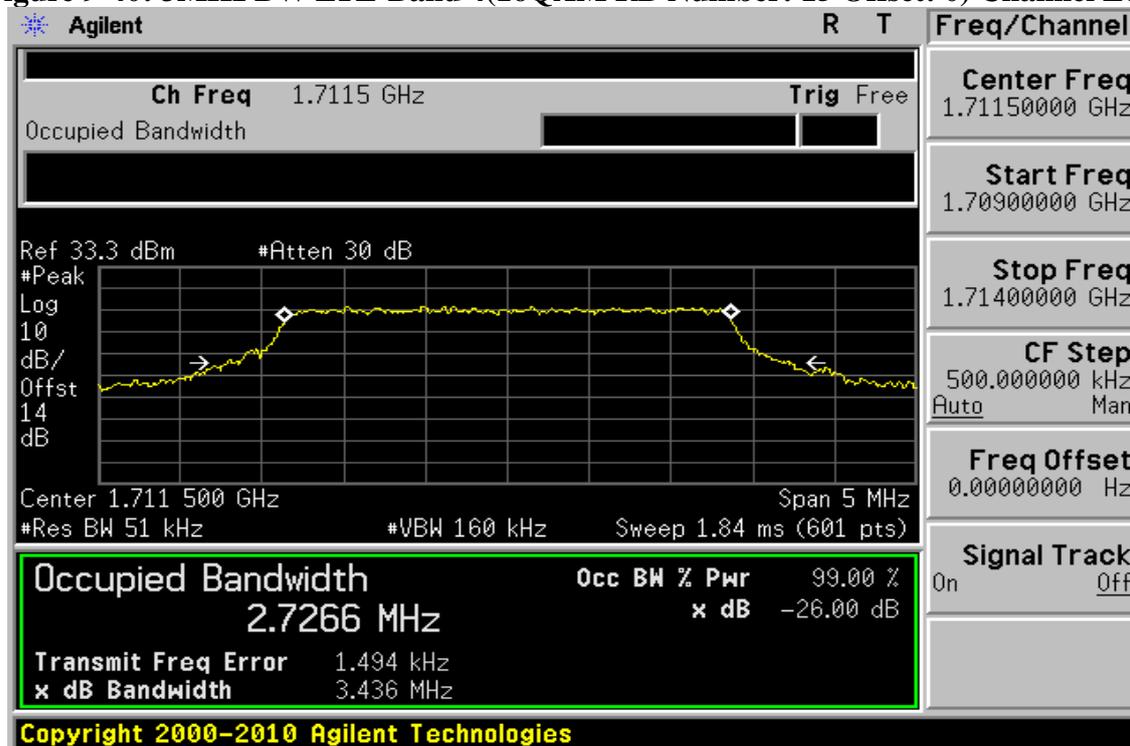


Figure 9-40: 3MHz BW LTE-Band 4(16QAM RB Number: 15 Offset: 0) Channel Low



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 9-41: 3MHz BW LTE-Band 4(16QAM RB Number: 15 Offset: 0) Channel Mid

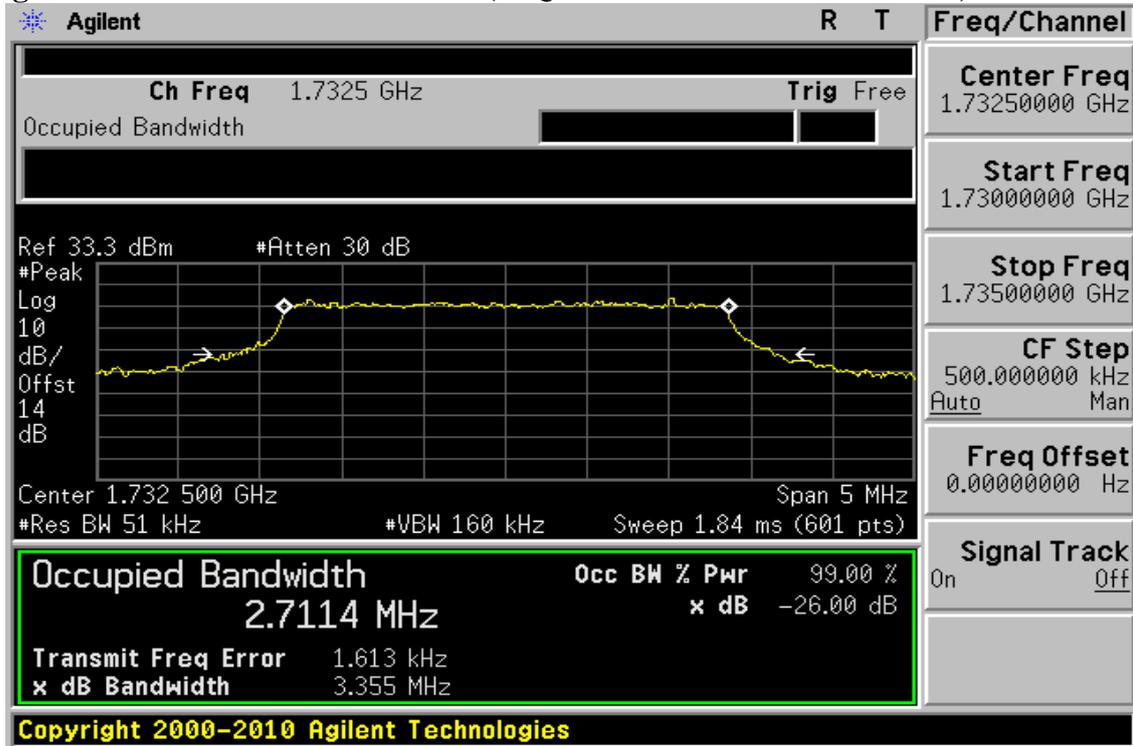
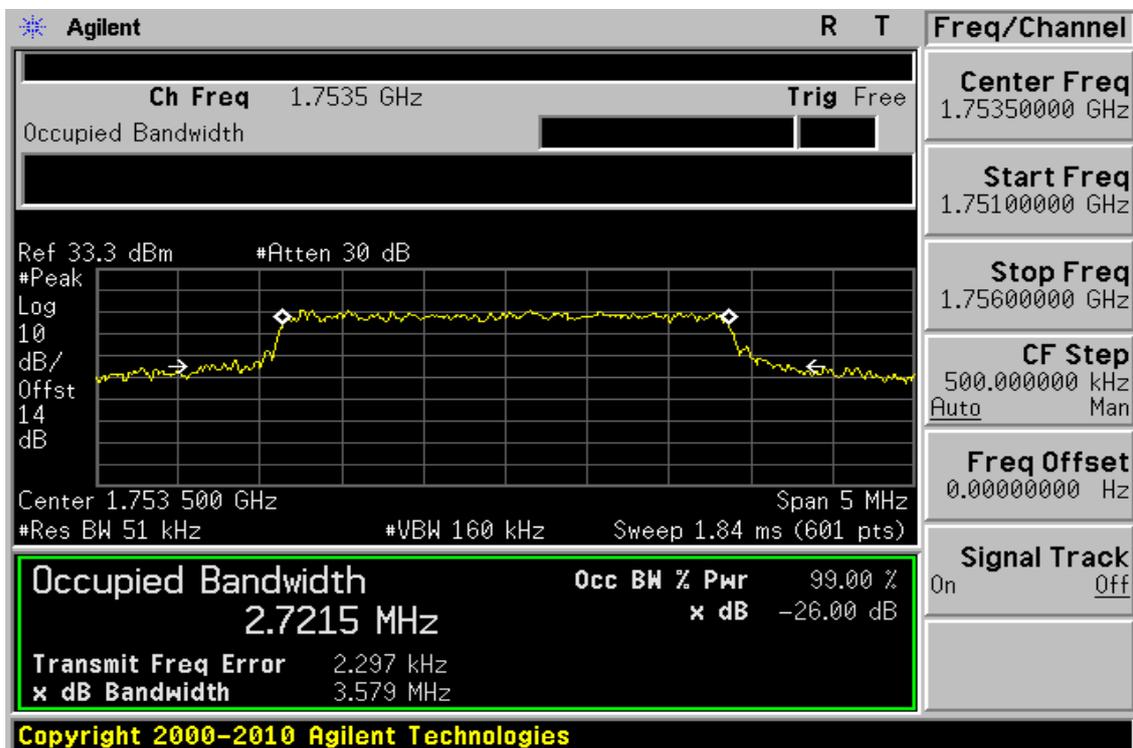


Figure 9-42: 3MHz BW LTE-Band 4(16QAM RB Number: 15 Offset: 0) Channel High



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Figure 9-43: 5MHz BW LTE-Band 4(QPSK RB Number: 25 Offset: 0) Channel Low

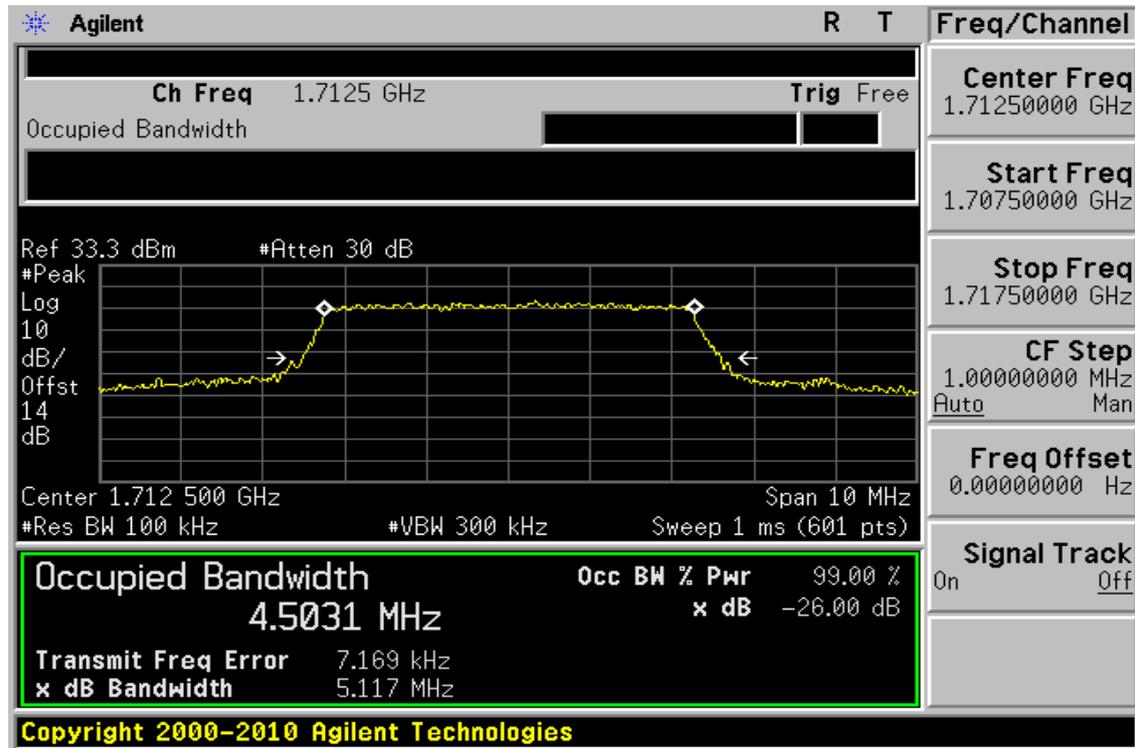
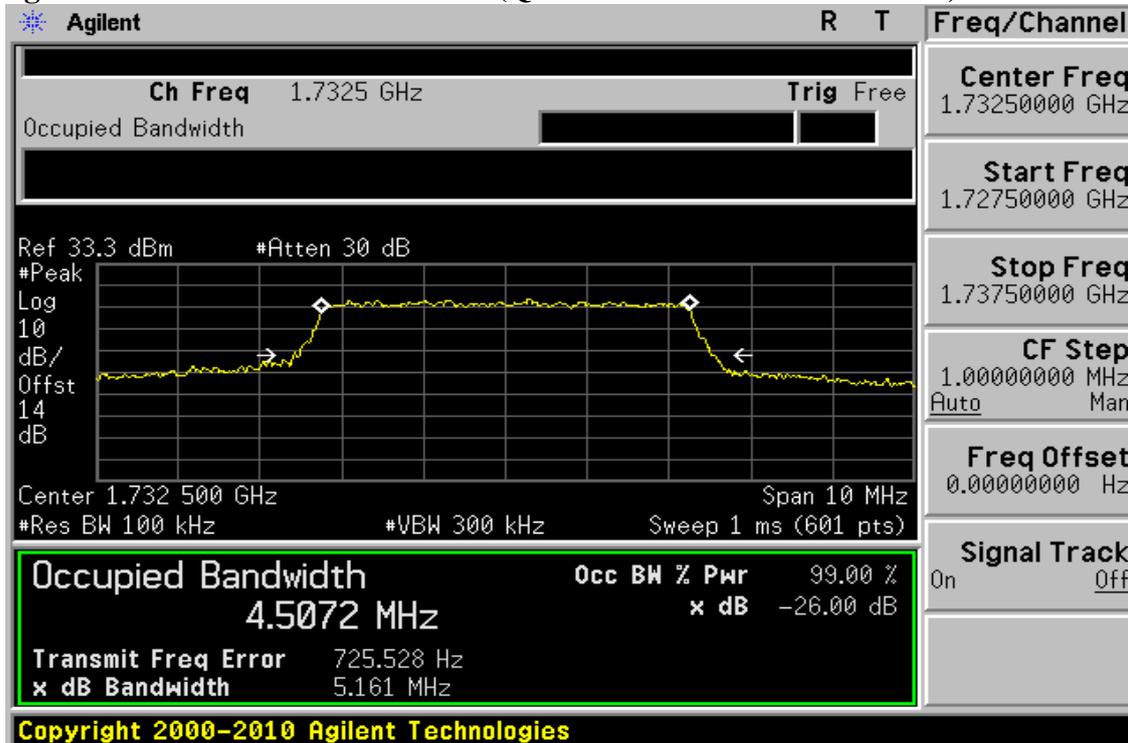


Figure 9-44: 5MHz BW LTE-Band 4(QPSK RB Number: 25 Offset: 0) Channel Mid



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 9-45: 5MHz BW LTE-Band 4(QPSK RB Number: 25 Offset: 0) Channel High

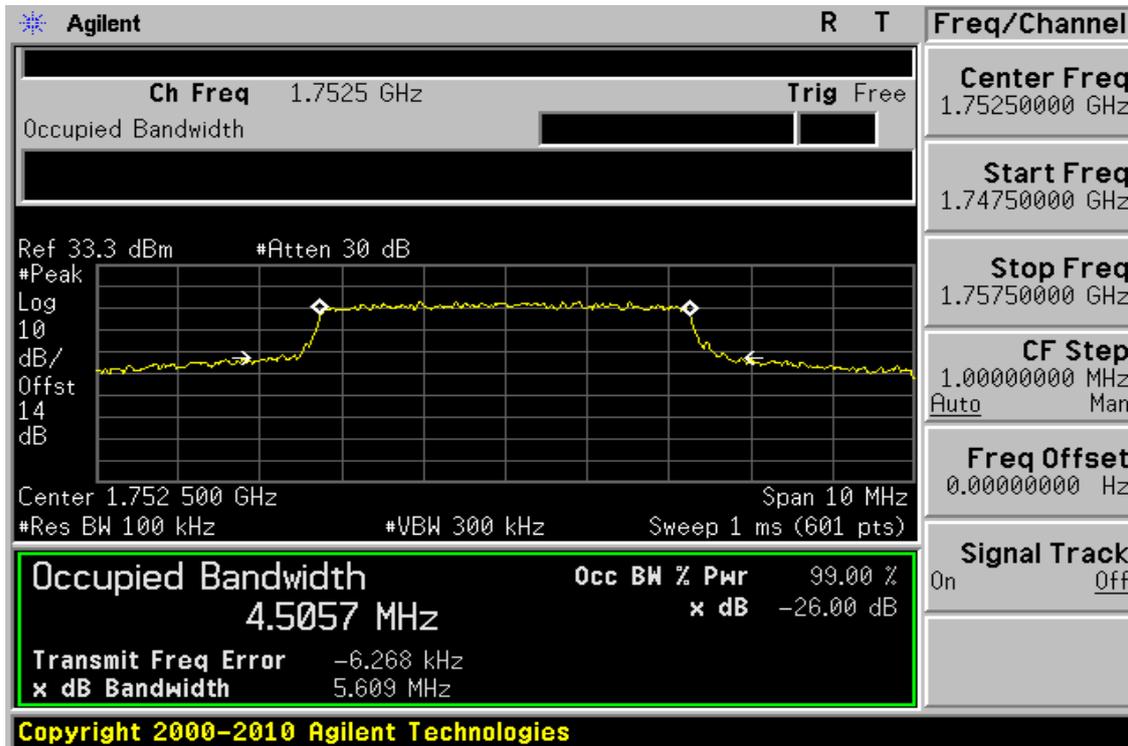
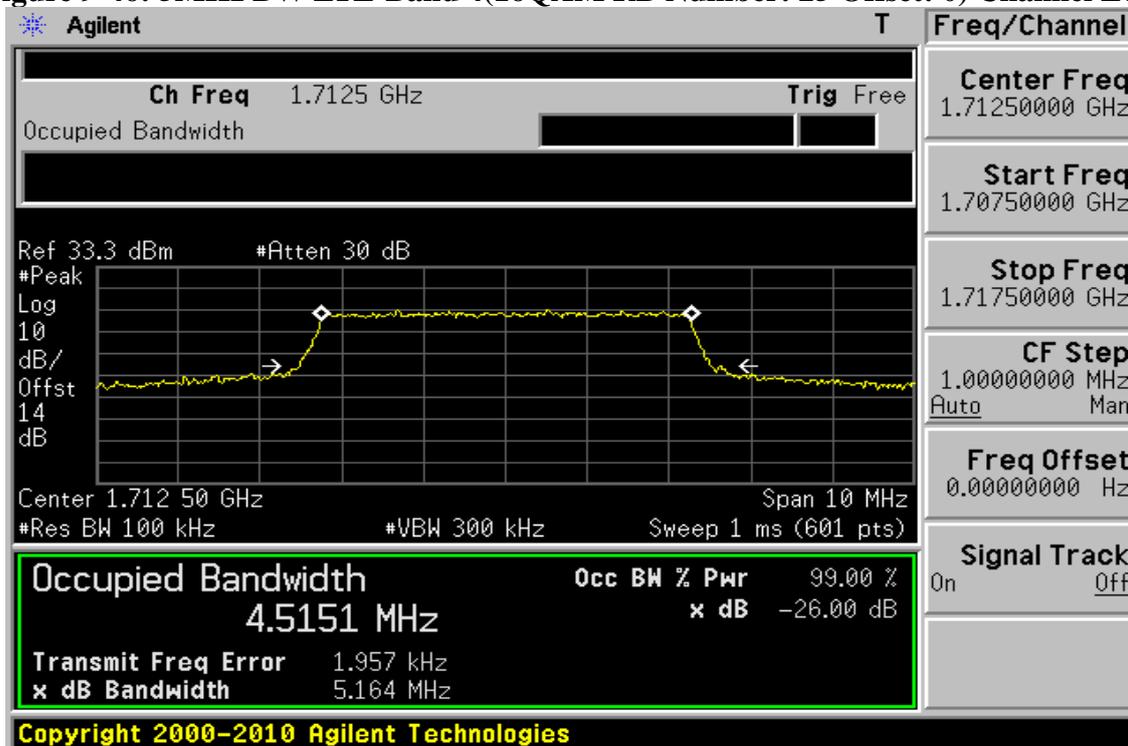


Figure 9-46: 5MHz BW LTE-Band 4(16QAM RB Number: 25 Offset: 0) Channel Low



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Figure 9-47: 5MHz BW LTE-Band 4(16QAM RB Number: 25 Offset: 0) Channel Mid

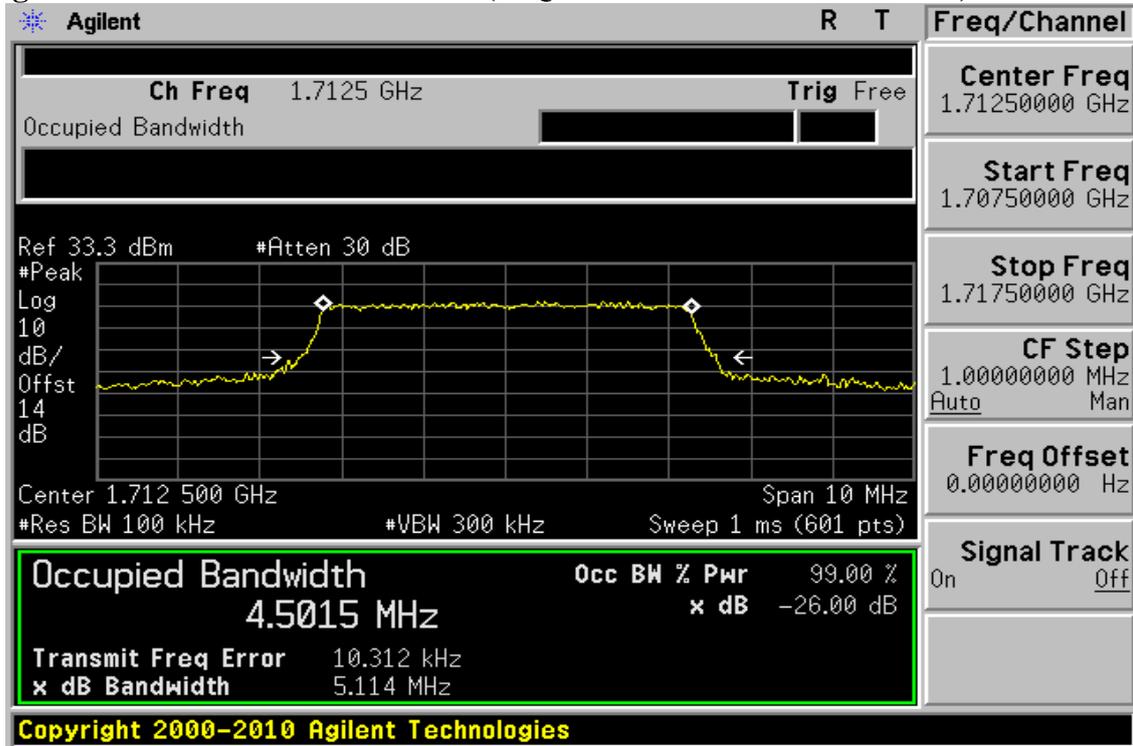
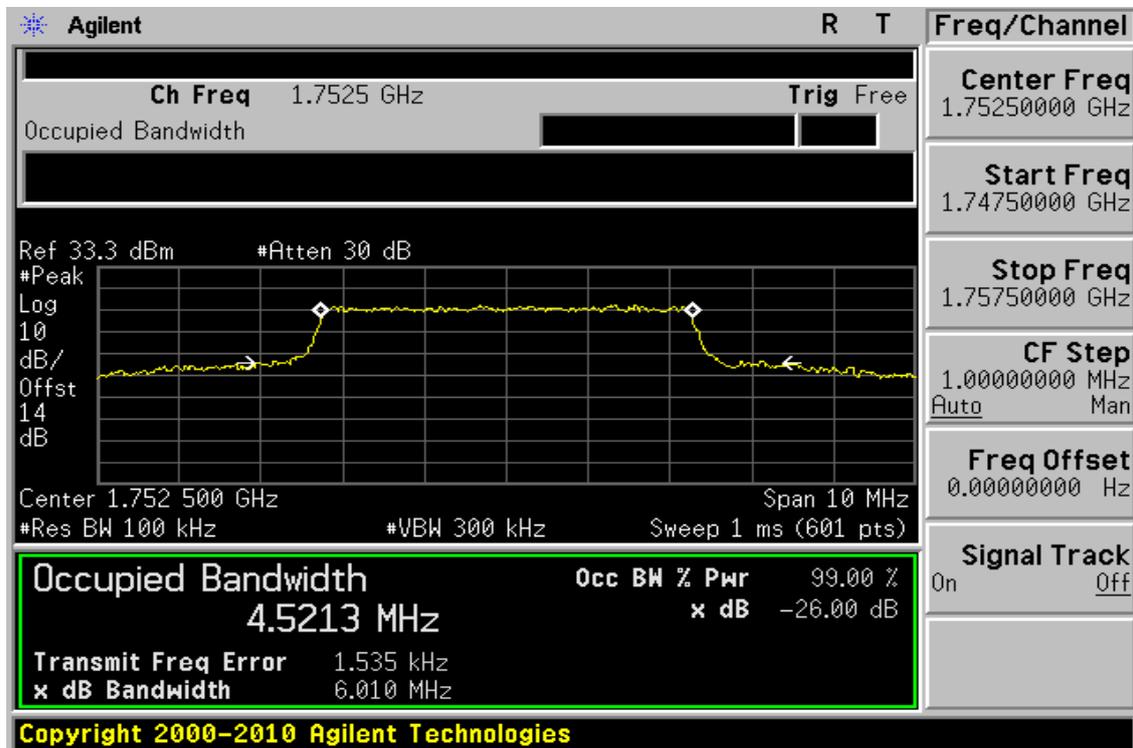


Figure 9-48: 5MHz BW LTE-Band 4(16QAM RB Number: 25 Offset: 0) Channel High



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Figure 9-49: 10MHz BW LTE-Band 4(QPSK RB Number: 50 Offset: 0) Channel Low

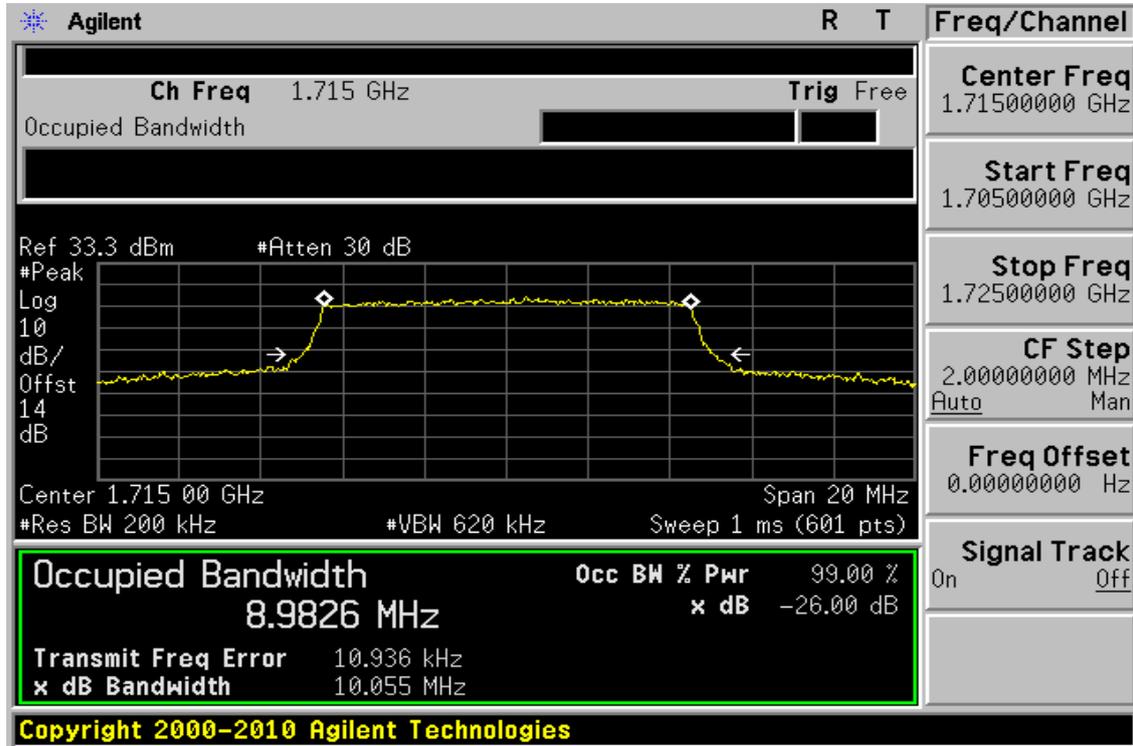
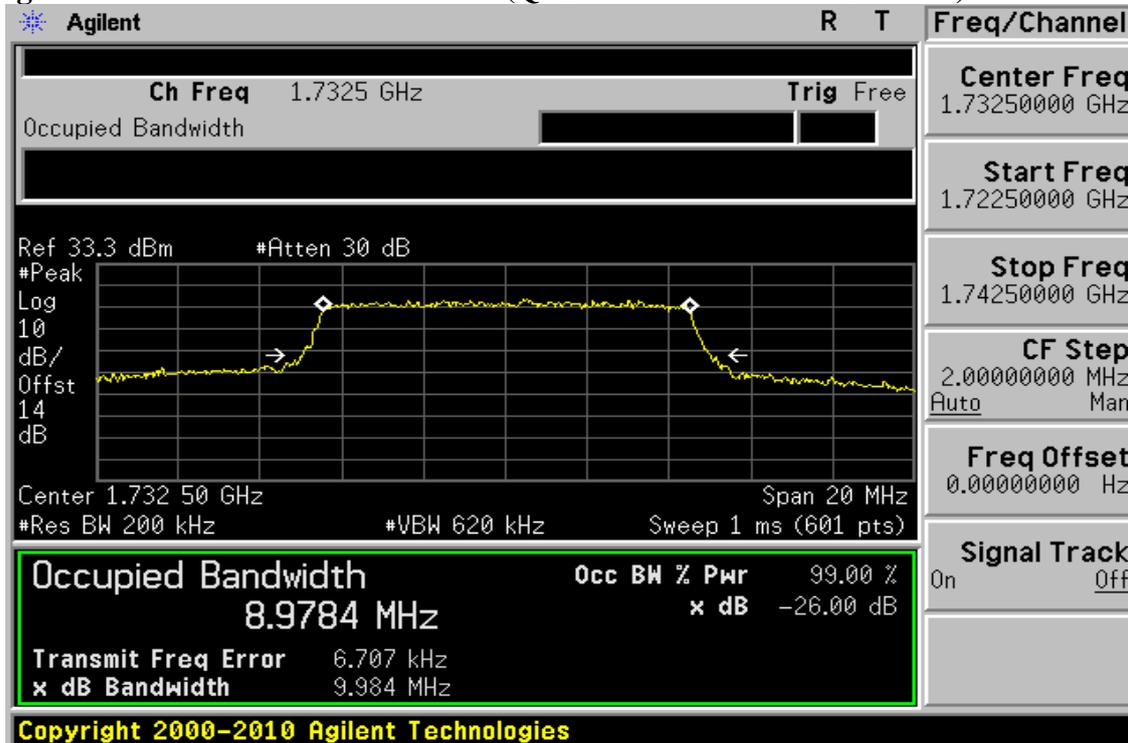


Figure 9-50: 10MHz BW LTE-Band 4(QPSK RB Number: 50 Offset: 0) Channel Mid



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 9-51: 10MHz BW LTE-Band 4(QPSK RB Number: 50 Offset: 0) Channel High

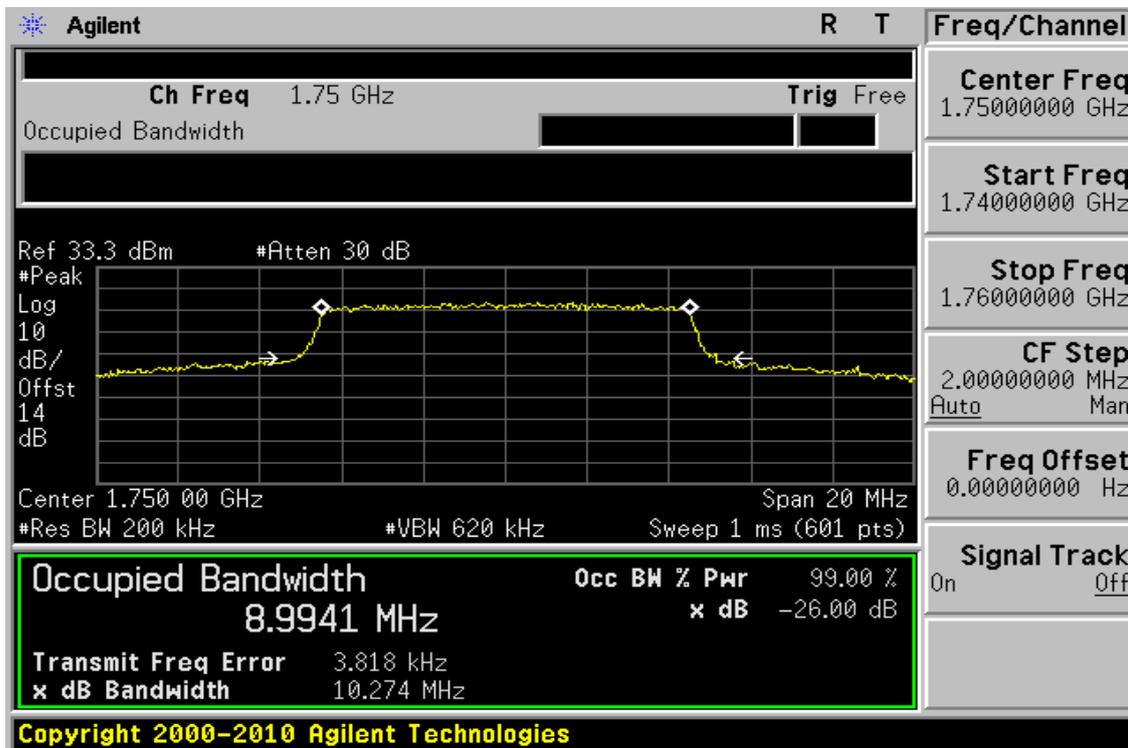
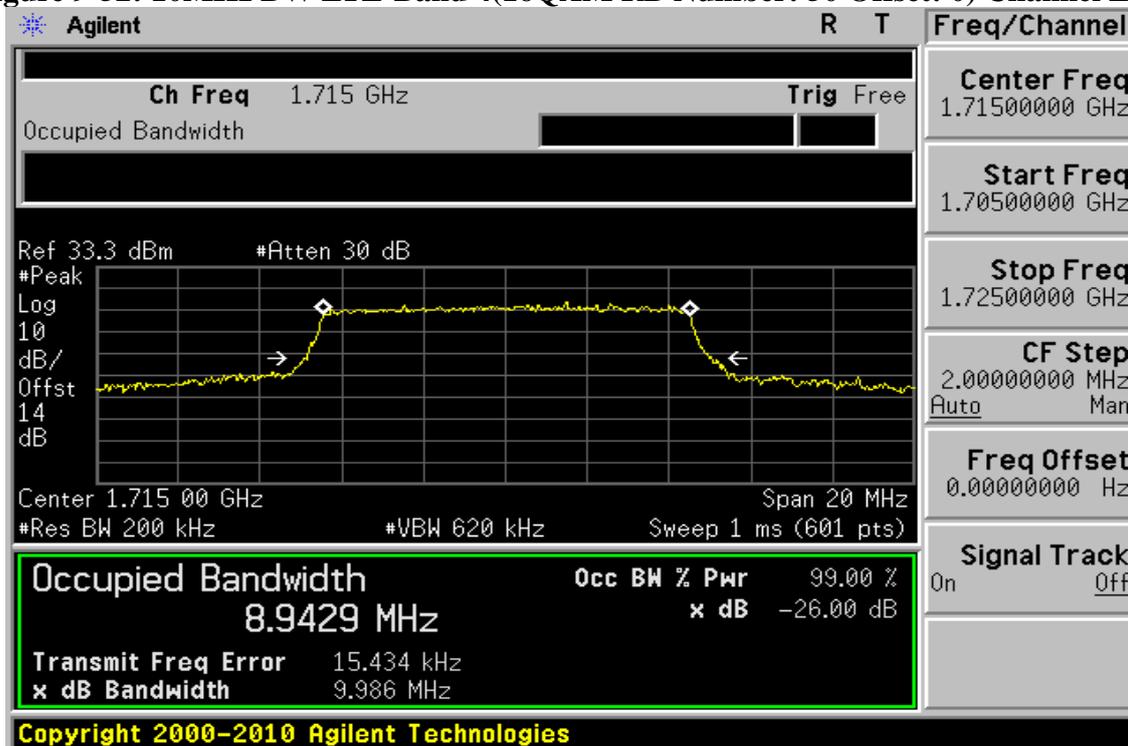


Figure 9-52: 10MHz BW LTE-Band 4(16QAM RB Number: 50 Offset: 0) Channel Low



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 9-53: 10MHz BW LTE-Band 4(16QAM RB Number: 50 Offset: 0) Channel Mid

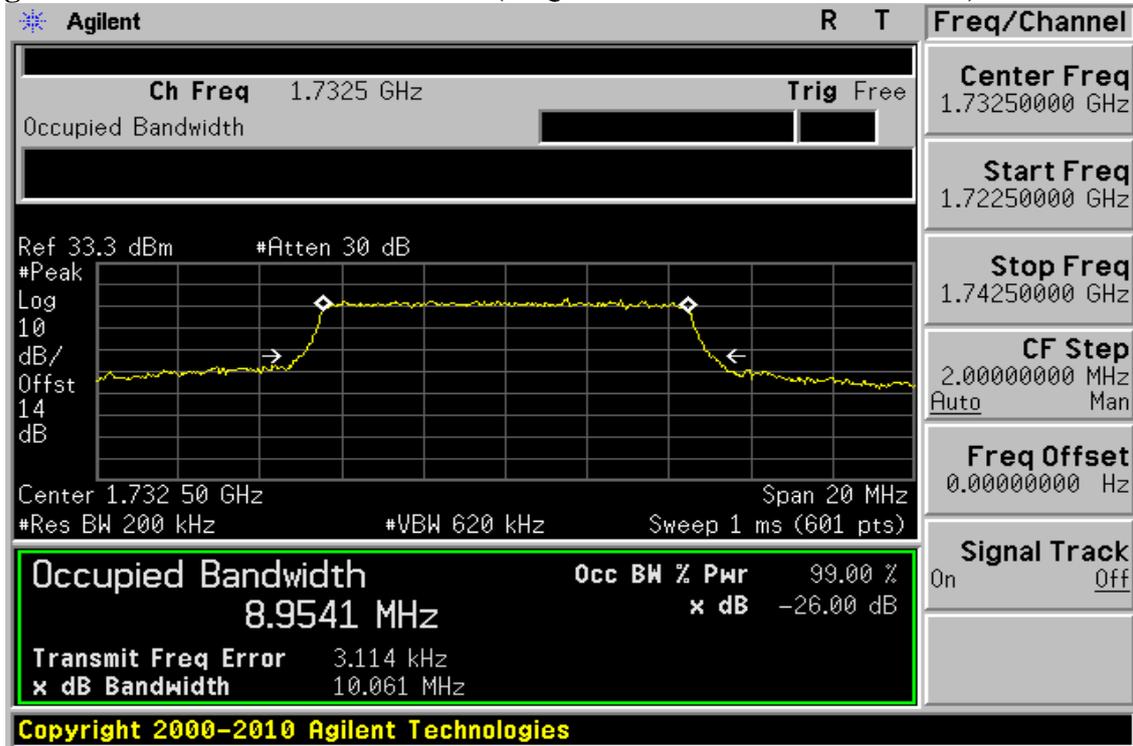
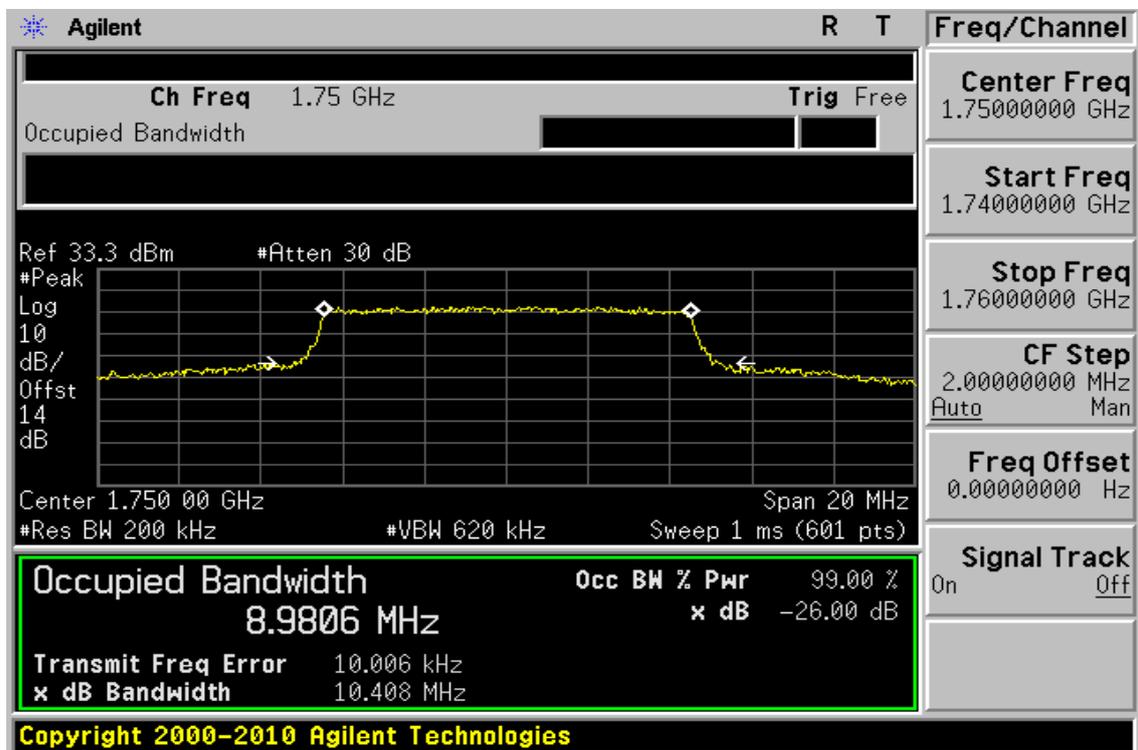


Figure 9-54: 10MHz BW LTE-Band 4(16QAM RB Number: 50 Offset: 0) Channel High



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 9-55: 5MHz BW LTE-Band 17(QPSK RB Number: 25 Offset: 0) Channel Low

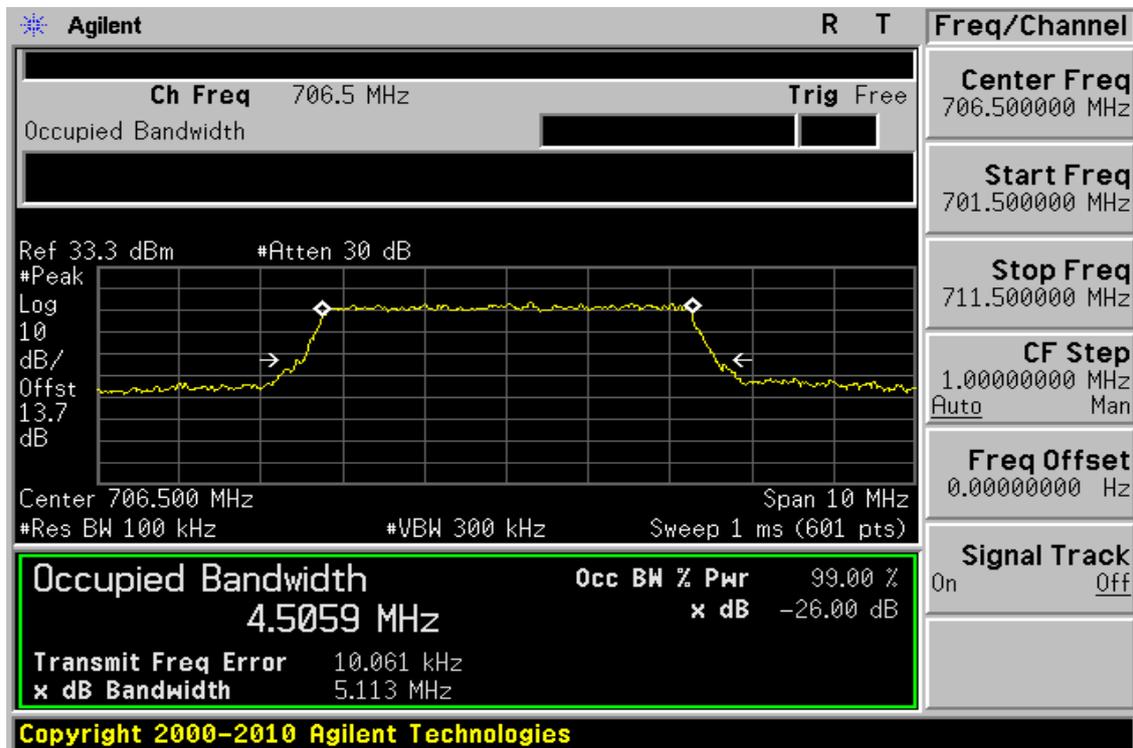
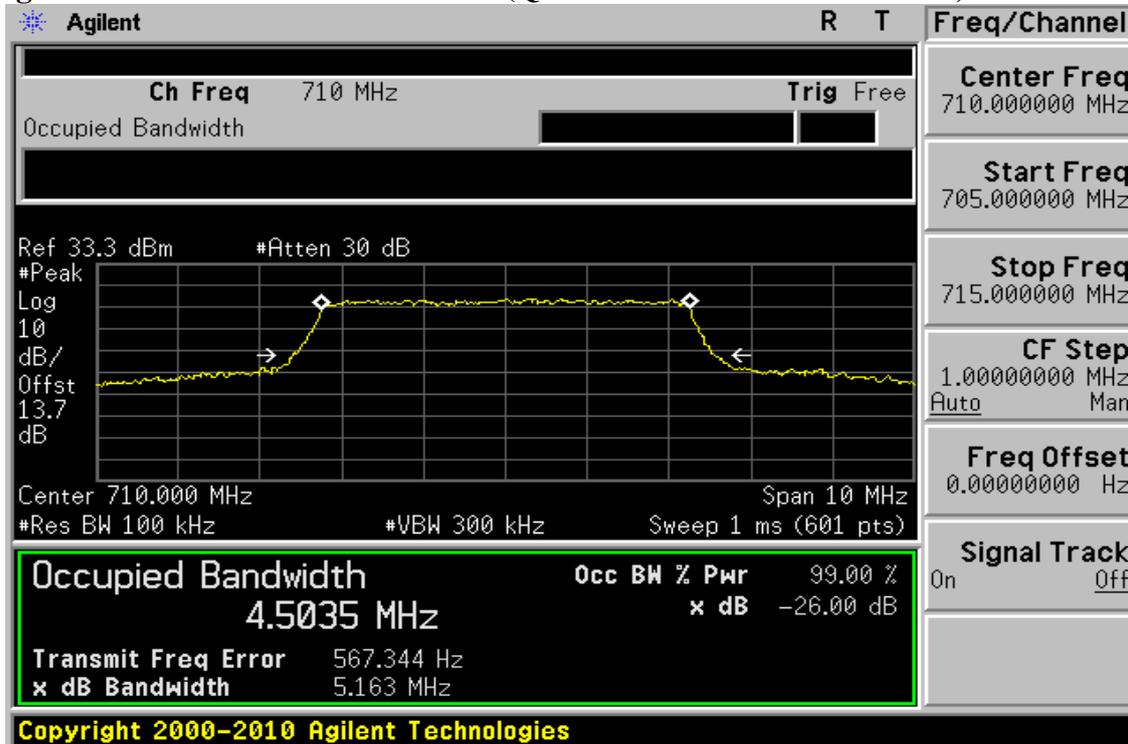


Figure 9-56: 5MHz BW LTE-Band 17(QPSK RB Number: 25 Offset: 0) Channel Mid



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 9-57: 5MHz BW LTE-Band 17(QPSK RB Number: 25 Offset: 0) Channel High

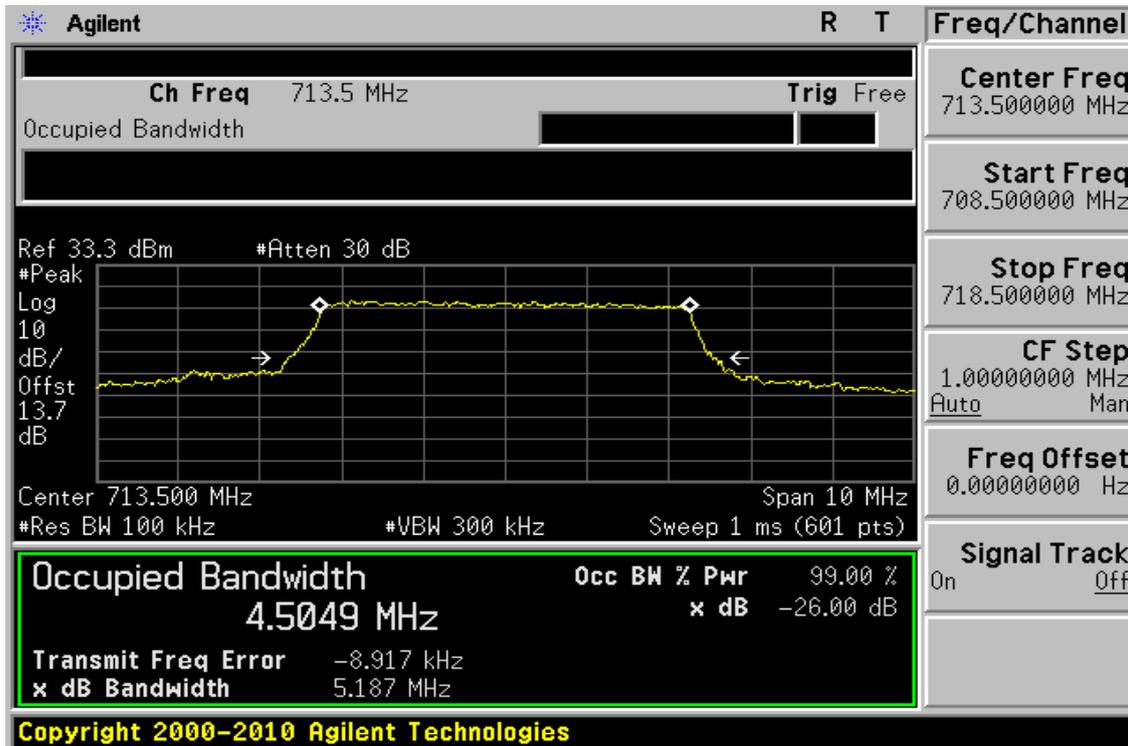
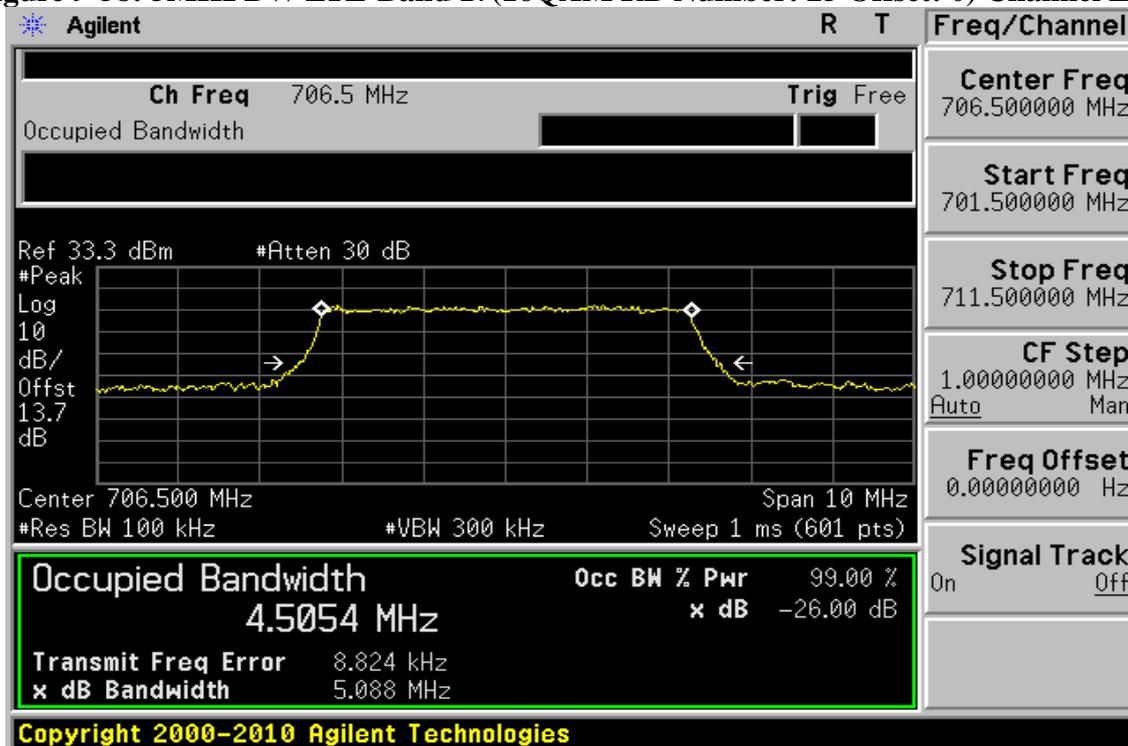


Figure 9-58: 5MHz BW LTE-Band 17(16QAM RB Number: 25 Offset: 0) Channel Low



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 9-59: 5MHz BW LTE-Band 17(16QAM RB Number: 25 Offset: 0) Channel Mid

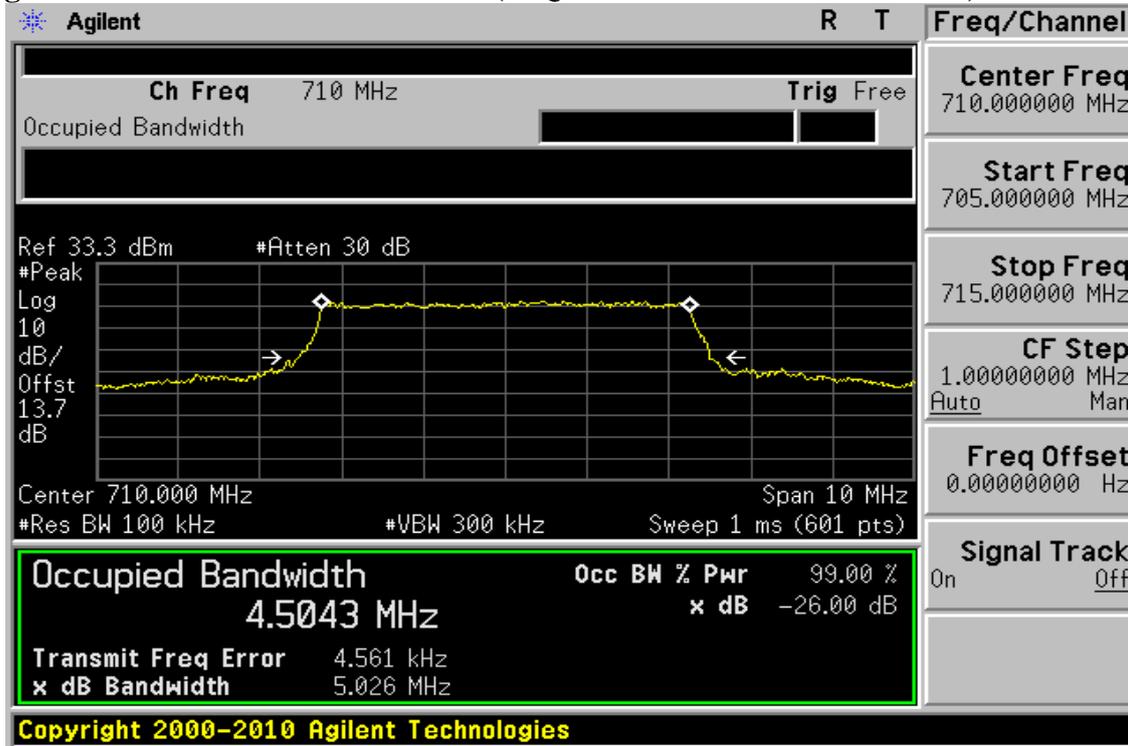
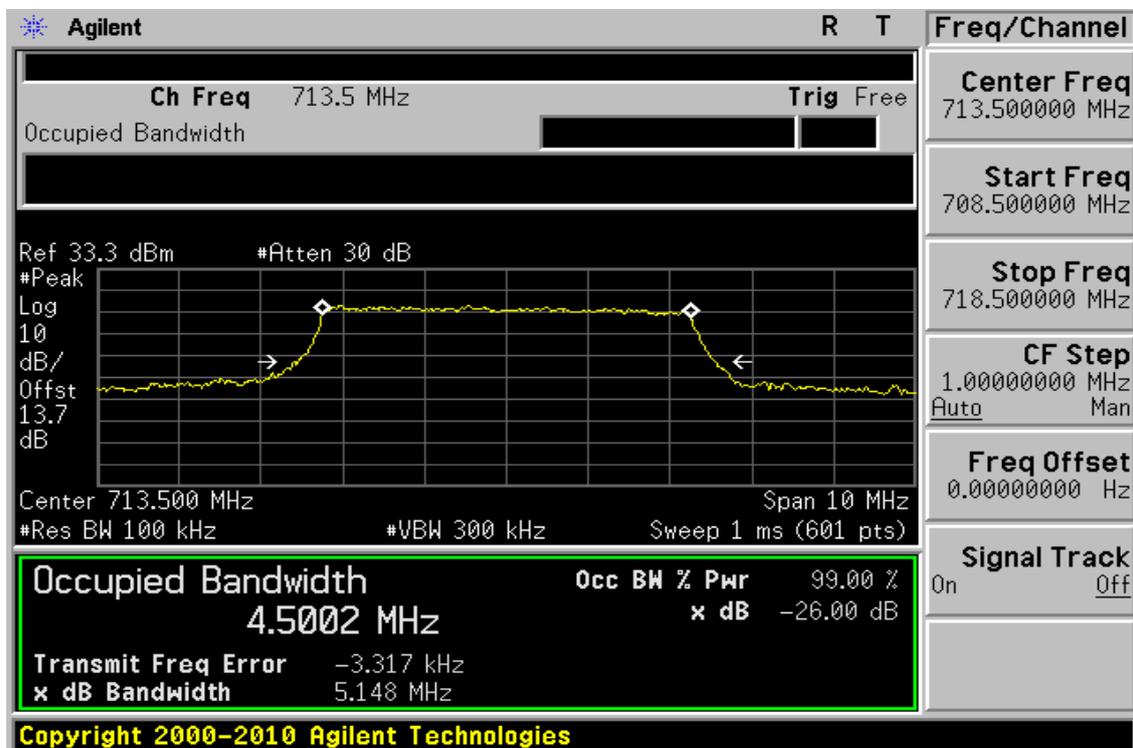


Figure 9-60: 5MHz BW LTE-Band 17(16QAM RB Number: 25 Offset: 0) Channel High



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 9-61: 10MHz BW LTE-Band 17(QPSK RB Number: 50 Offset: 0) Channel Low

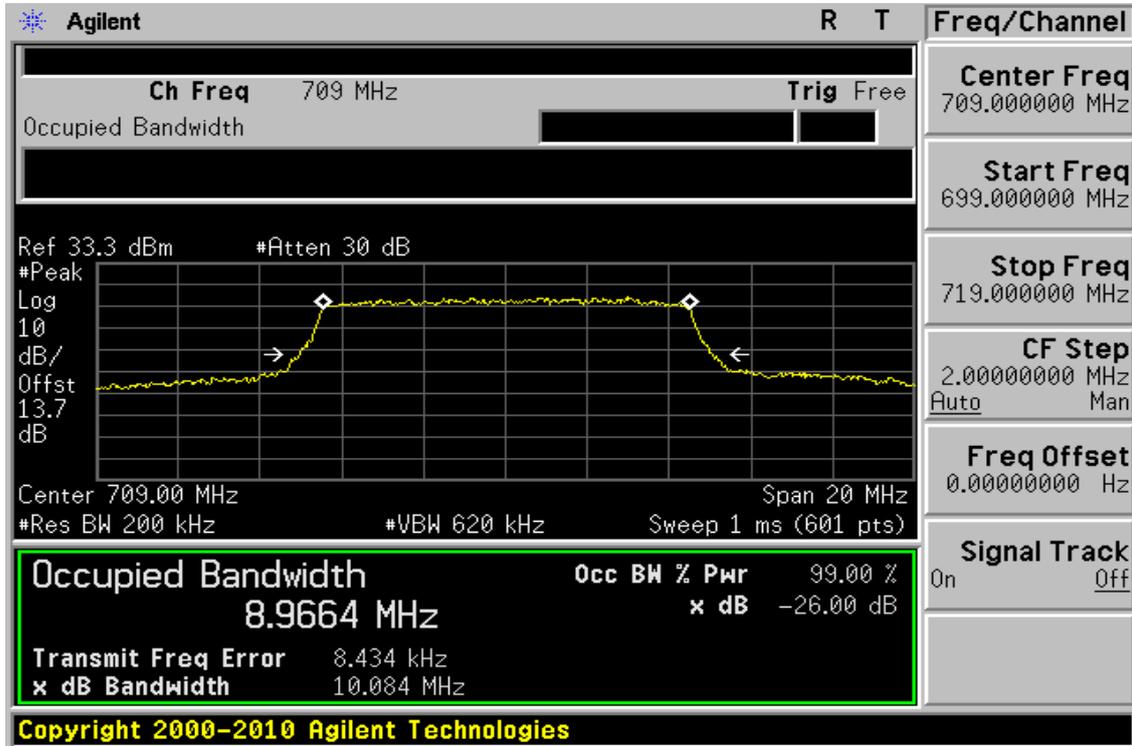
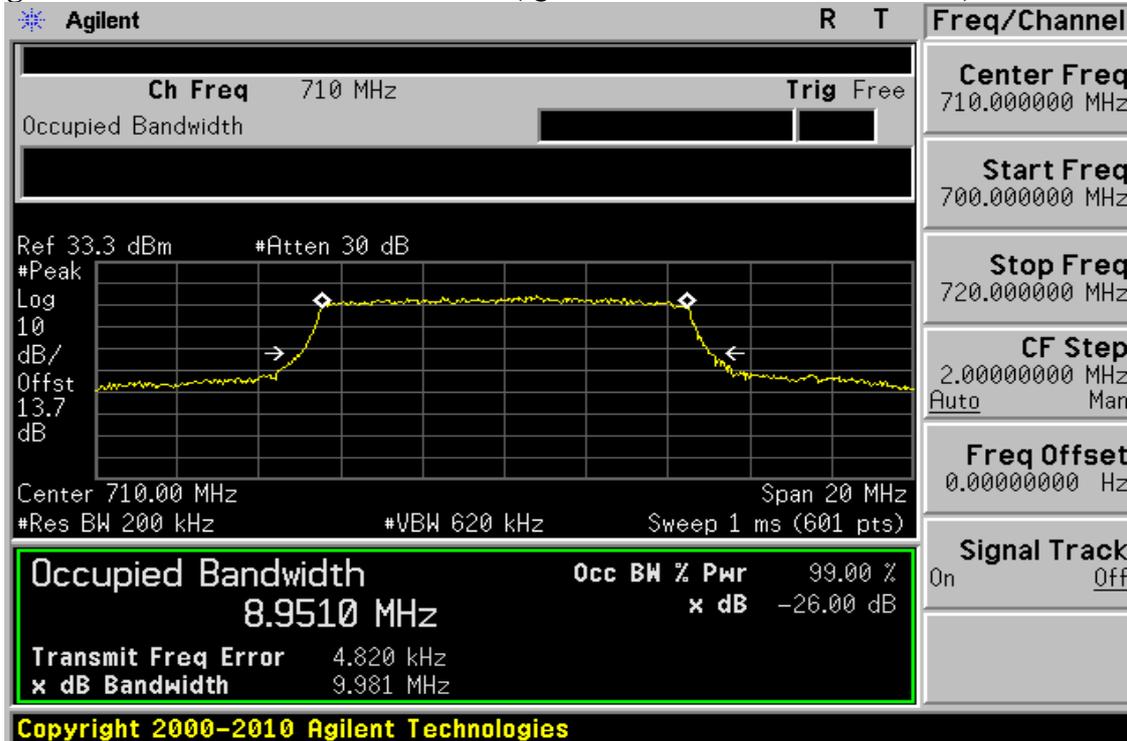


Figure 9-62: 10MHz BW LTE-Band 17(QPSK RB Number: 50 Offset: 0) Channel Mid



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 9-63: 10MHz BW LTE-Band 17(QPSK RB Number: 50 Offset: 0) Channel High

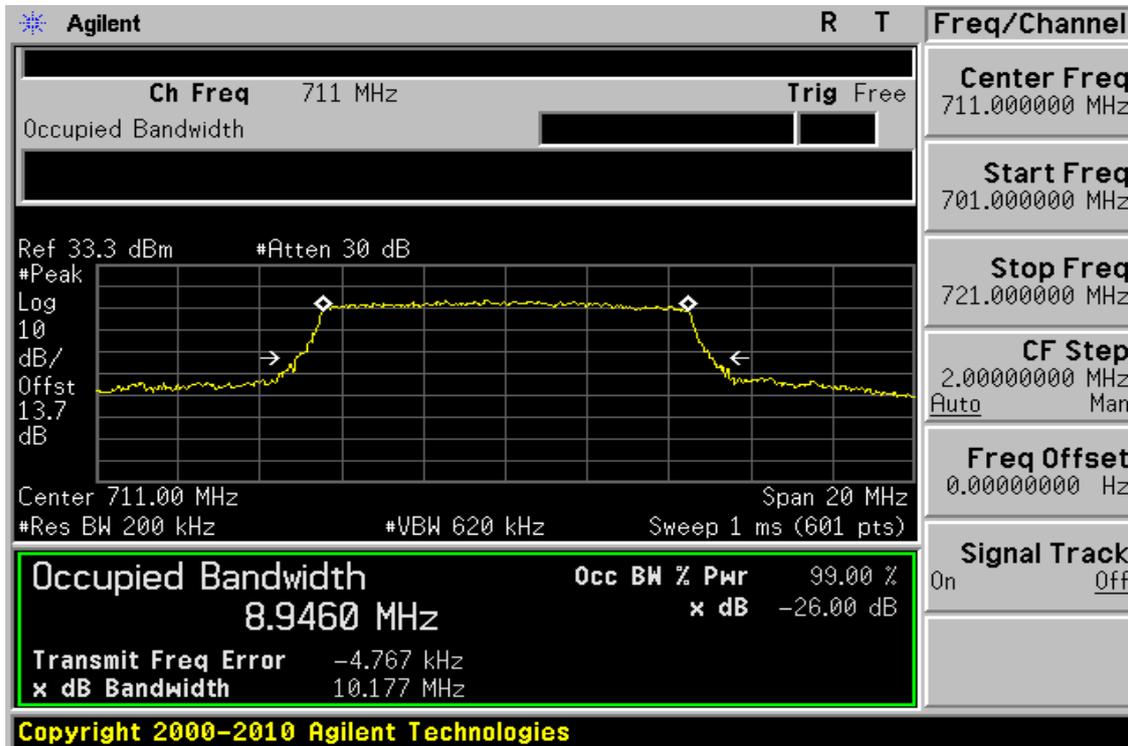
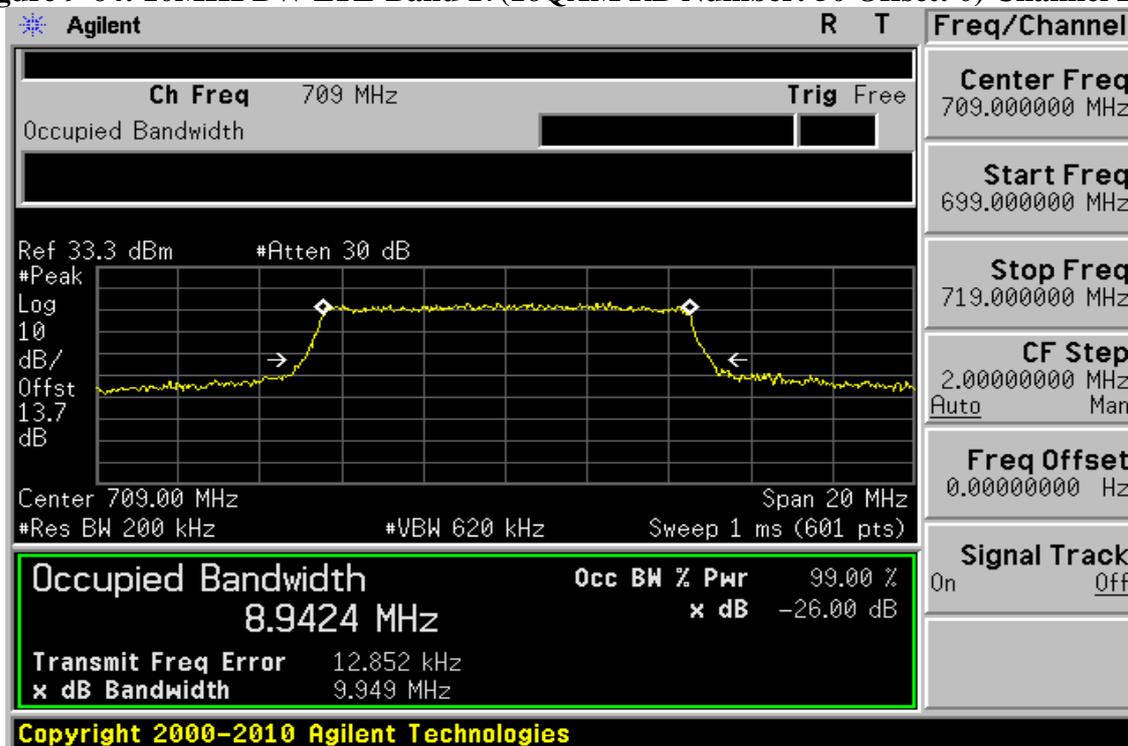


Figure 9-64: 10MHz BW LTE-Band 17(16QAM RB Number: 50 Offset: 0) Channel Low



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 9-65: 10MHz BW LTE-Band 17(16QAM RB Number: 50 Offset: 0) Channel Mid

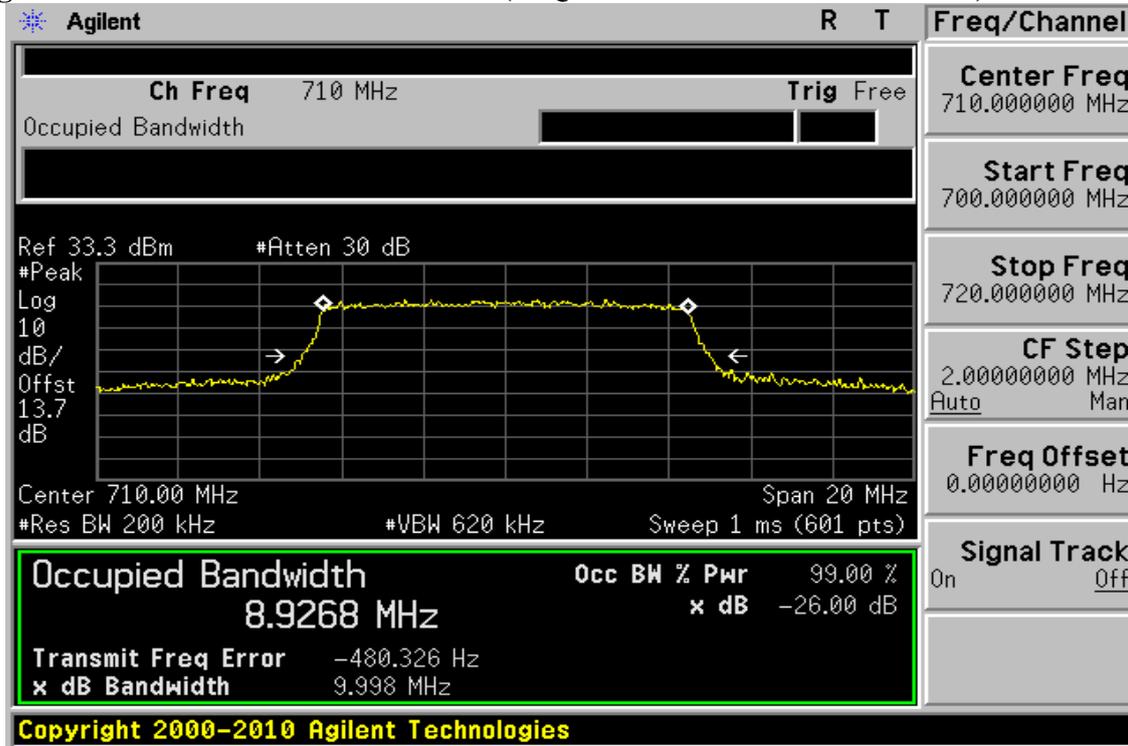
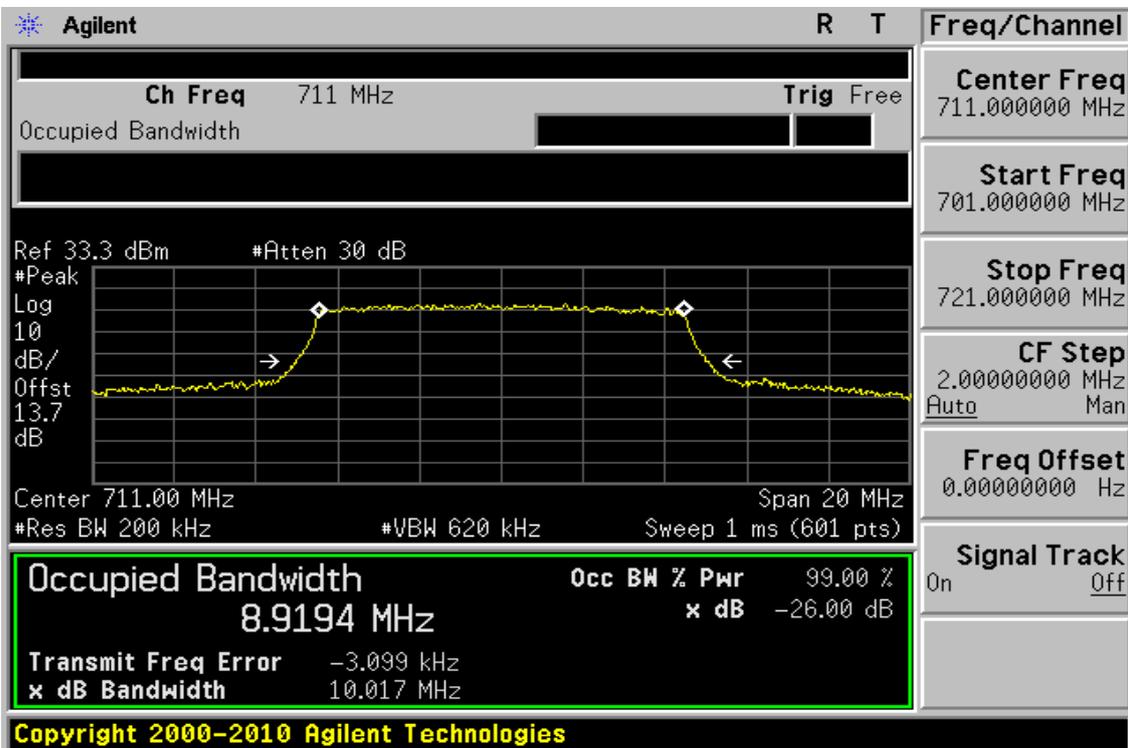


Figure 9-66: 10MHz BW LTE-Band 17(16QAM RB Number: 50 Offset: 0) Channel High



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

10. OUT OF BAND EMISSION AT ANTENNA TERMINALS

10.1. Standard Applicable:

According to FCC §2.1051.

FCC §22.917(a), §24.238(a), §27.53(g) the magnitude of each spurious and harmonic emission that can be detected when the equipment is operated under the conditions specified in the instruction manual and/ or alignment procedure, shall not be less than $43 + 10 \log$ (mean output power in watts) dBc below the mean power output outside a license's frequency block (-13dBm).

4.5.1 Out-of-block Emissions

Mobile and base station equipment with emission bandwidth less than or equal to 4 MHz shall comply with 4.5.1.1. Mobile station equipment with emission bandwidth greater than 4 MHz shall comply with 4.5.1.2. Base station equipment with emission bandwidth greater than 4 MHz shall comply with either 4.5.1.2 or 4.5.1.3.

4.5.1.1 In the first 1.0 MHz band immediately outside and adjacent to the licensee's frequency block, the power of emissions per any 1% of the emission bandwidth shall be attenuated below the transmitter output power P (in watts) by at least $43 + 10 \log (P)$, dB. After the first 1.0 MHz, the power of emissions shall be attenuated below the transmitter output power by at least

$43 + 10 \log (P)$, dB, in any 100 kHz bandwidth.

4.5.1.2 In the first 1.0 MHz band immediately outside and adjacent to the licensee's frequency block, the power of emissions per any 1% of the emission bandwidth shall be attenuated below the transmitter output power P (in watts) by at least $43 + 10 \log (P)$, dB. After the first 1.0 MHz, the power of emissions shall be attenuated below the transmitter output power by at least

$43 + 10 \log (P)$, dB, in any 1 MHz bandwidth

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

6.5.1 Out-of-Block Emissions

a. Mobile stations must comply with subsection i. below.

In the first 1.0MHz band immediately outside and adjacent to the licensee's frequency block, the power of emissions per any 1% of the emission bandwidth shall be attenuated below the transmitter output power P (in watts) by at least $43 + 10 \log (P)$ dB.

b. After the first 1.0 MHz (for equipment that complies with a.i. of this subsection) or 1.5 MHz (for equipment that complies with all of this subsection), the power of emissions shall be attenuated below the transmitter output power by at least $43 + 10 \log (P)$, dB, per any MHz of bandwidth.

(Note: If the test result using 1% of the emission bandwidth is used, then power integration over 1.0 MHz is required; alternatively, the spectrum analyzer resolution and video bandwidths can be increased to 1.0 MHz for this measurement).

6.5.2 Out-of-Sub-band Emissions

Outside the sub-bands 1850-1910 MHz and 1930-1990 MHz, the attenuation shall be equal to or greater than the out-of-block emission limits in Section 6.5.1.

(i) In the first 1.0 MHz bands immediately outside and adjacent to the equipment's operating frequency block, the emission power per any 1% of the emission bandwidth shall be attenuated below the transmitter output power P (in watts) by at least $43 + 10 \log_{10}(P)$, dB.

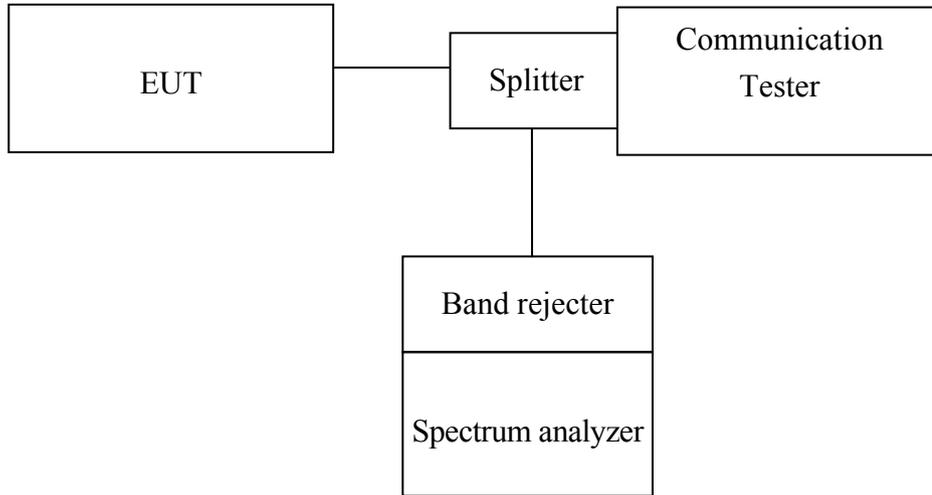
(ii) After the first 1.0 MHz outside the equipment's operating frequency block, the emission power in any 1 MHz bandwidth shall be attenuated below the transmitter output power P (in watts) by at least $43 + 10 \log_{10}(P)$, dB.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

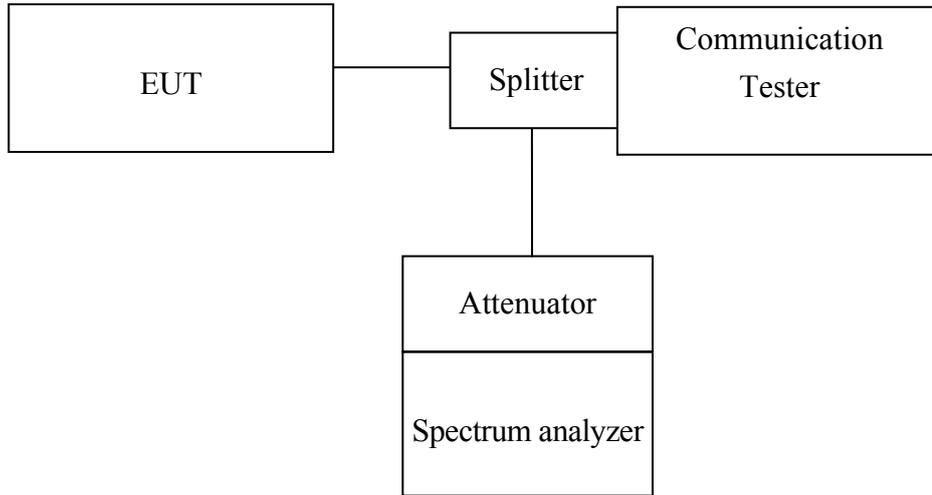
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, WuKung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

**10.2. Test SET-UP:
Out of band emission**



Band Edge



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

10.3. Measurement Procedure:

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

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

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

For operations in the 698–746 MHz band, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed. Limit, -13dBm.

Conducted Emission:

- 1、 To connect Antenna Port of EUT to Spectrum.
- 2、 Set RBW = 1MHz & VBW = 1MHz on Spectrum.
- 3、 Sweep the frequency to determine spurious emission as seen on spectrum from span of 30 to 1G, 1G to 2.5G, 2.5G to 7.5G, 7.5G to 10G, 10G to 15G and 15G to 20GHz
- 4、 Via Software, combine 6 spans of frequency range into one plot

10.4. Measurement Equipment Used:

Refer to section 2.4 in this report

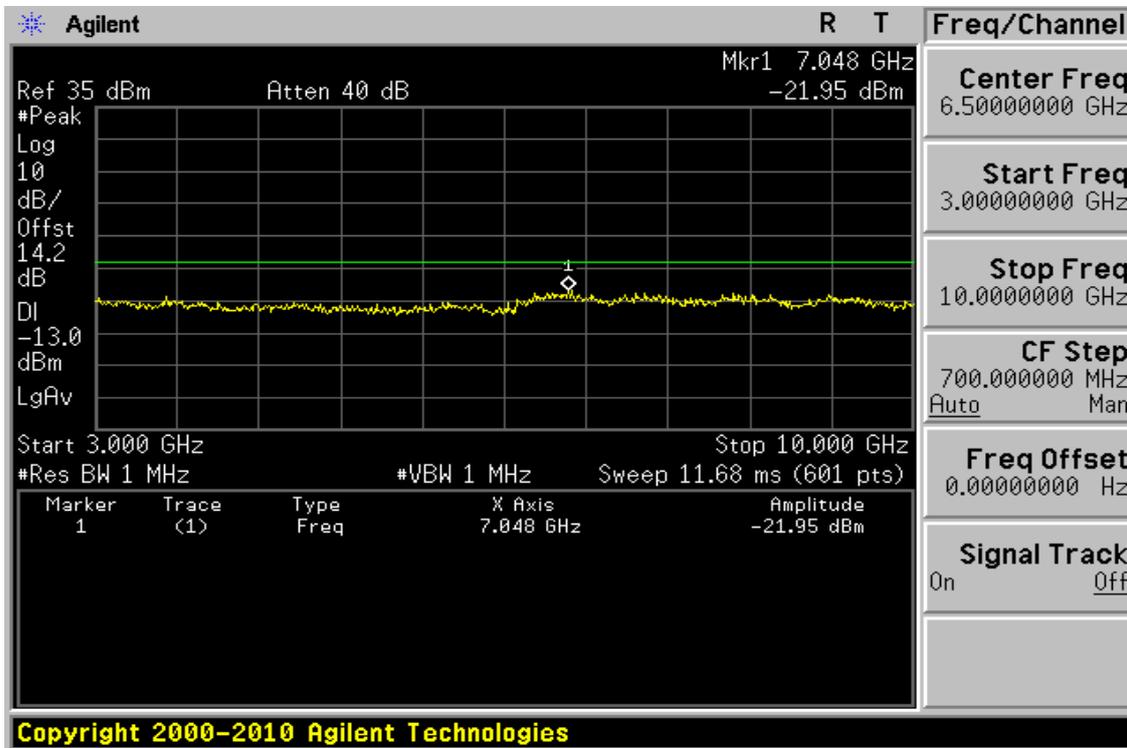
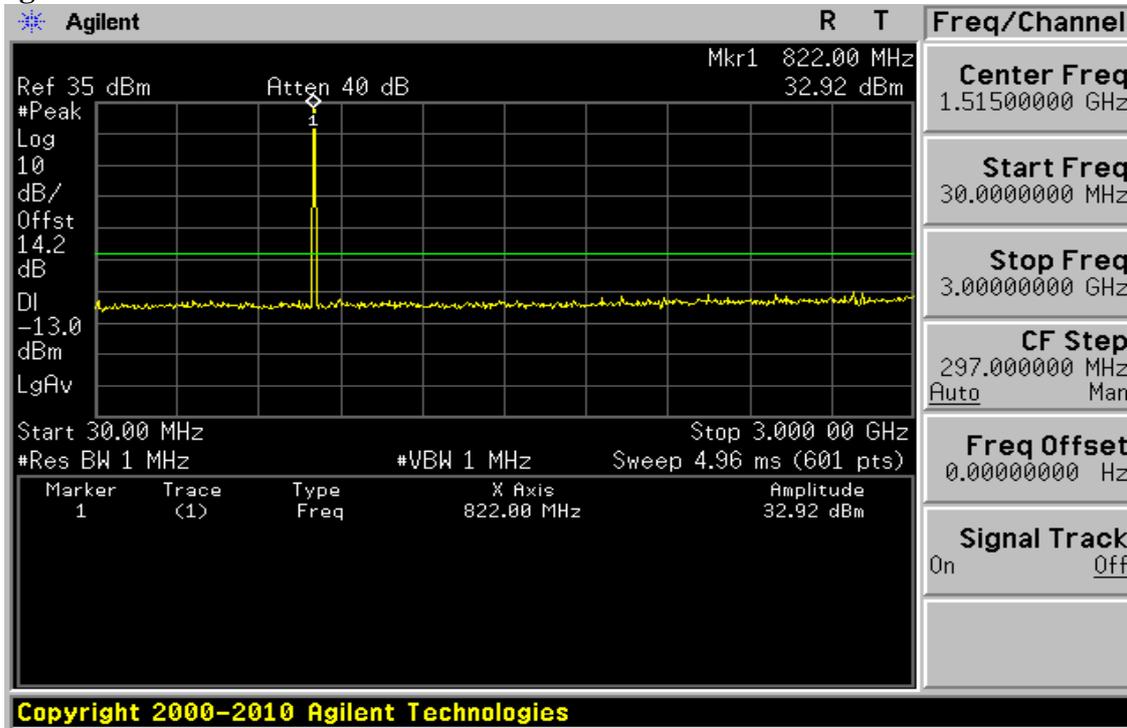
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

10.5. Measurement Result:

Figure 10-1: Out of Band emission at antenna terminals– GRPS 850 Channel Lowest

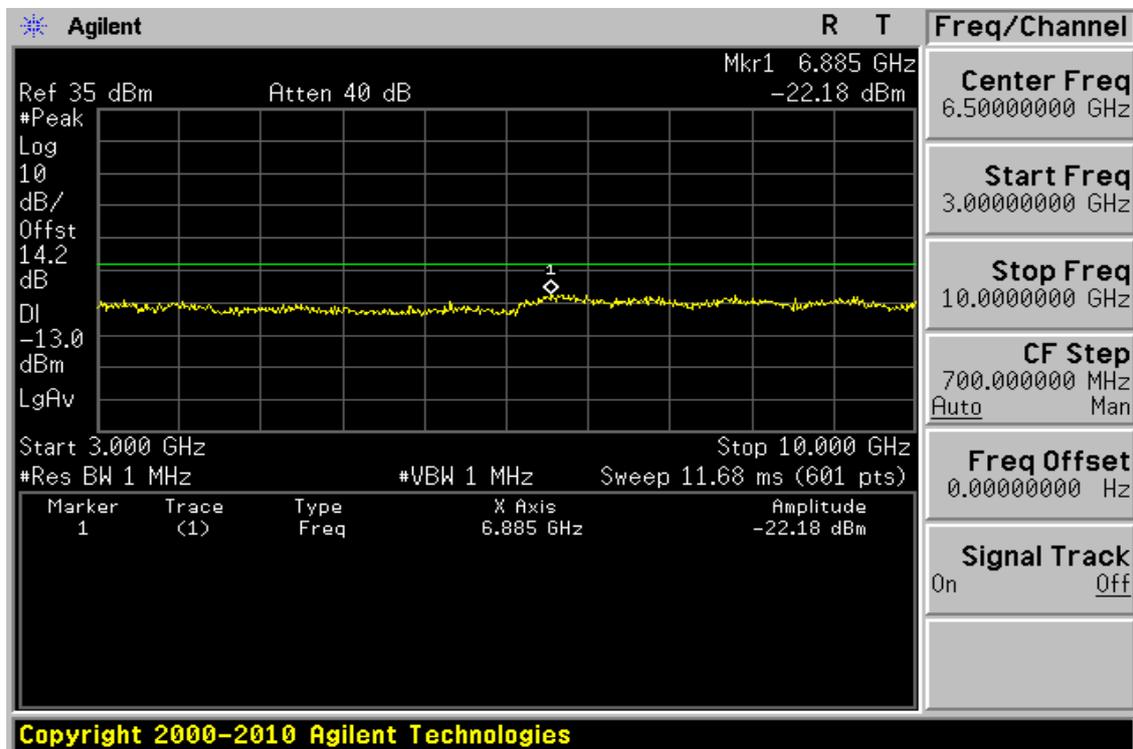
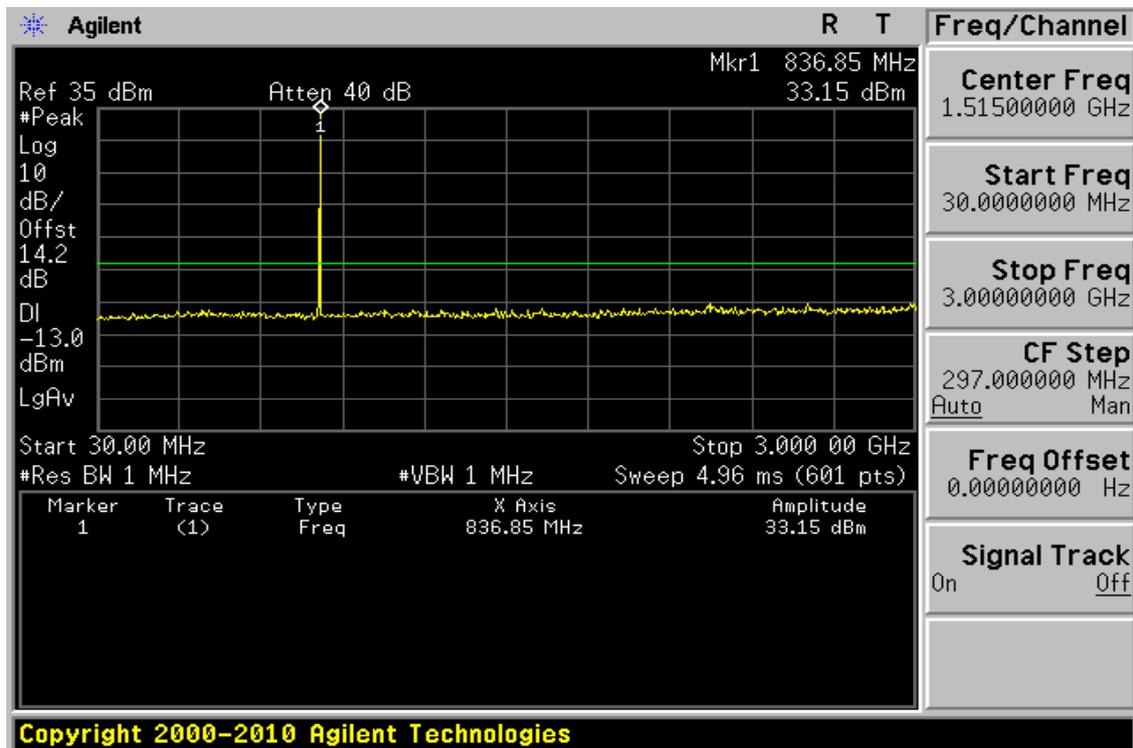


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 10-2: Out of Band emission at antenna terminals –GRPS 850 Channel Mid

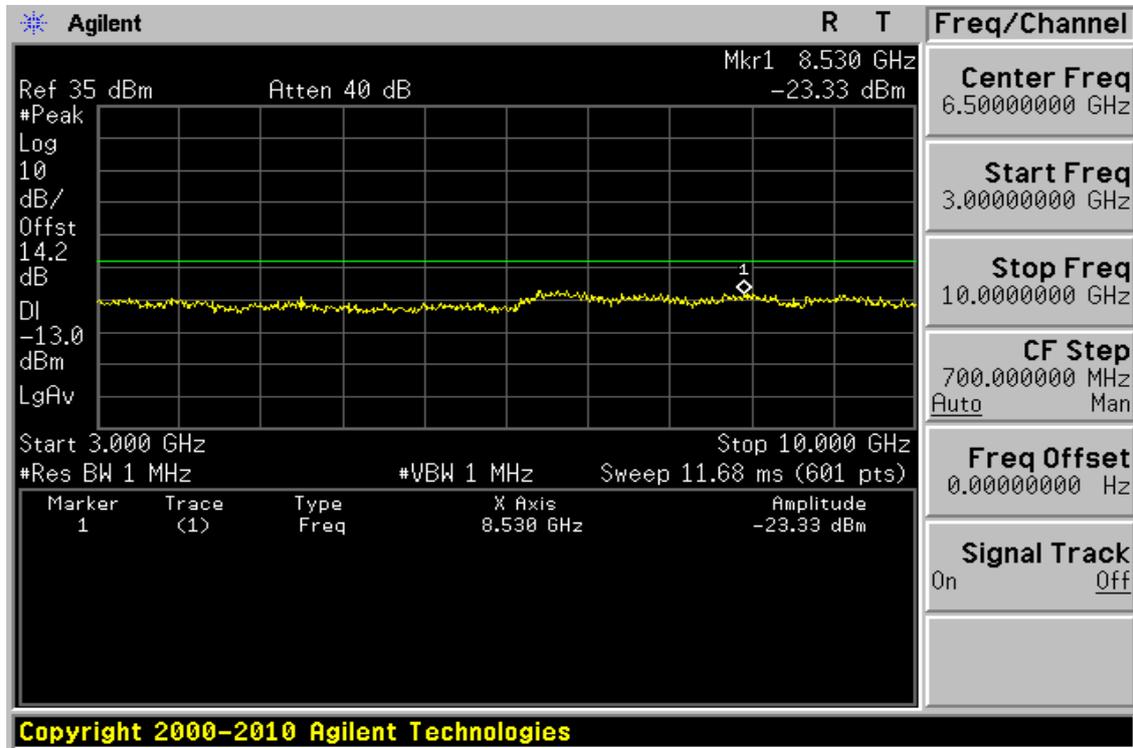
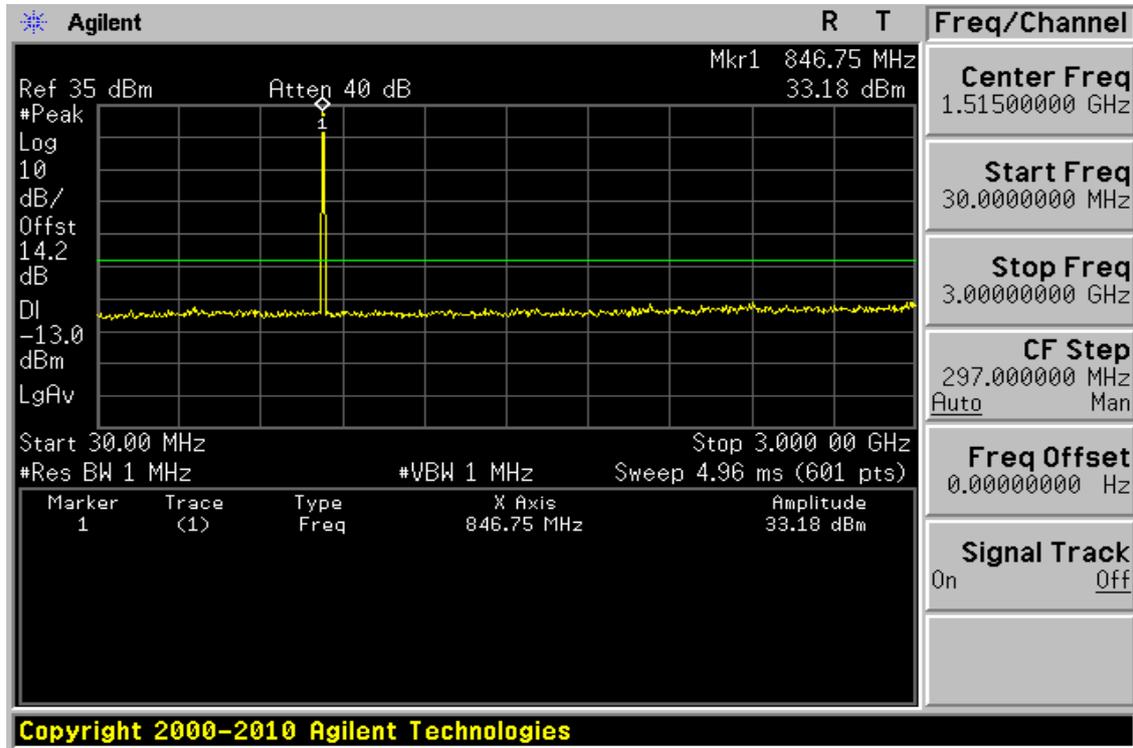


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 10-3: Out of Band emission at antenna terminals-GRPS 850 Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 10-4: Band edge emission at antenna terminals –GRPS 850 Channel Lowest

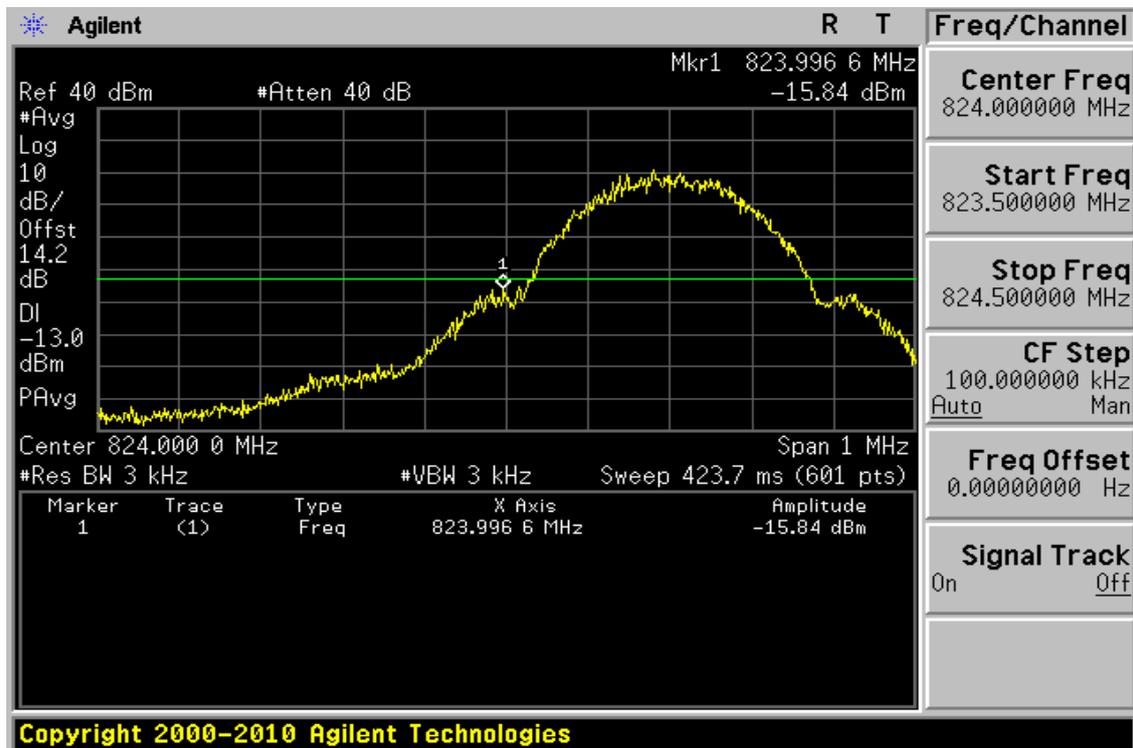


Figure 10-5: Band edge emission at antenna terminals –GRPS 850 Channel Highest

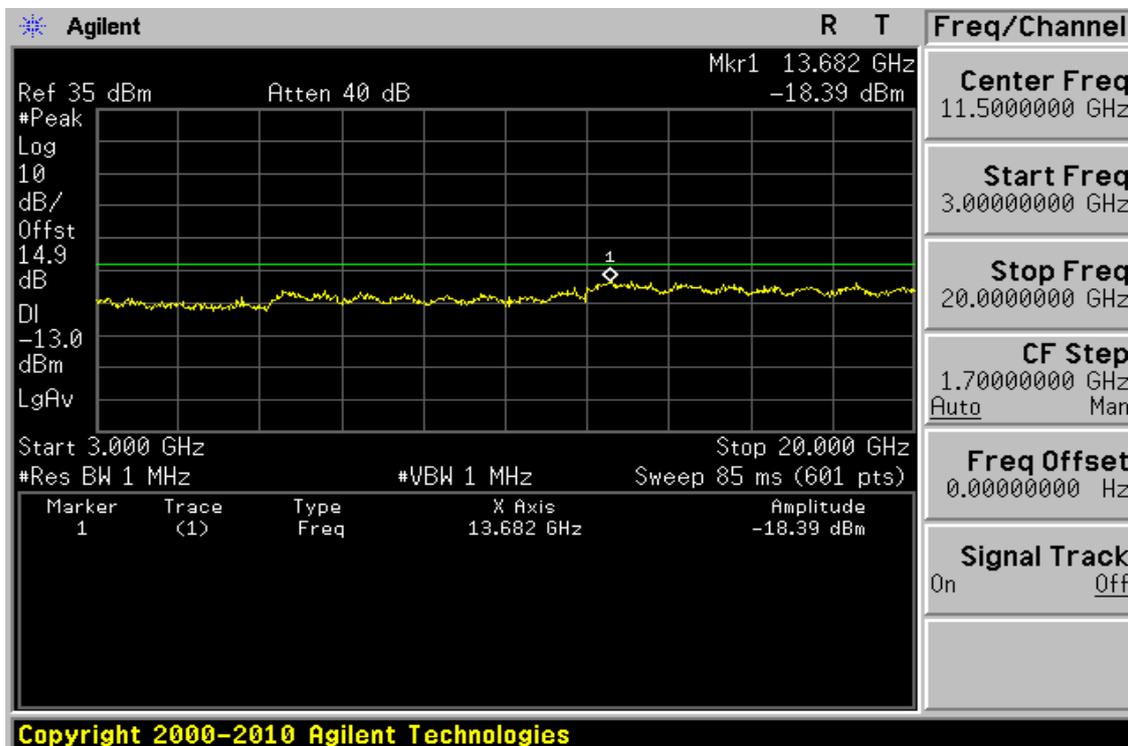
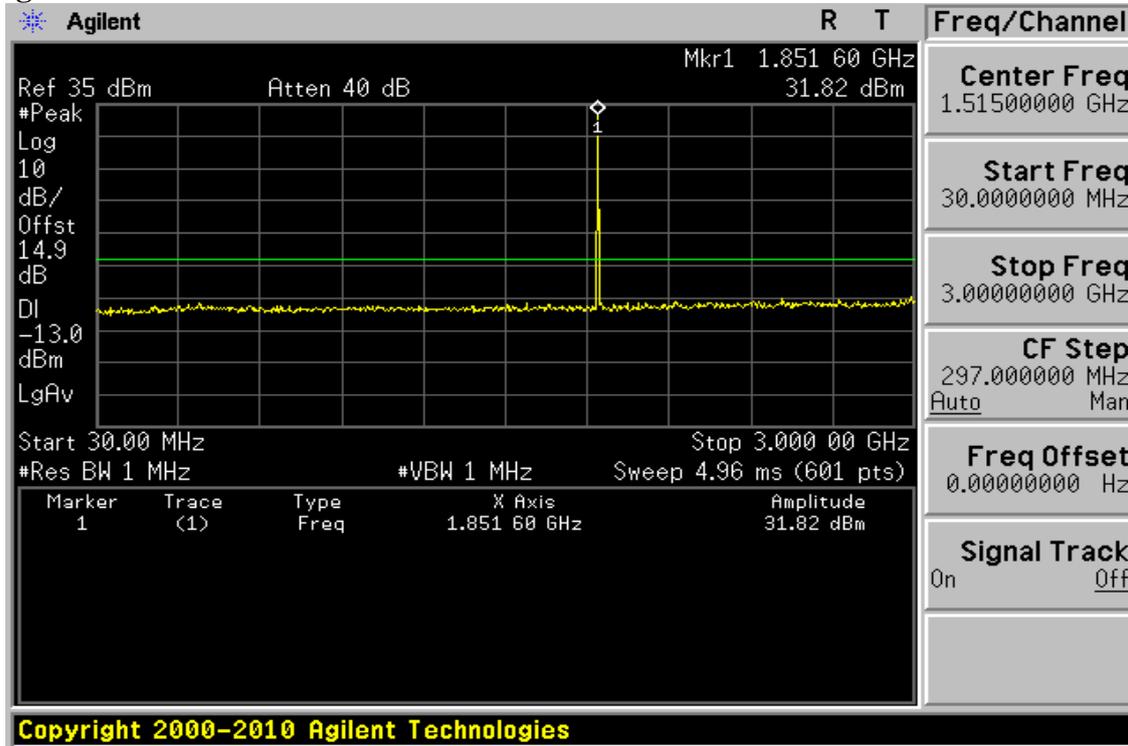


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Figure 10-6: Out of Band emission at antenna terminals–GRPS 1900 Channel Lowest

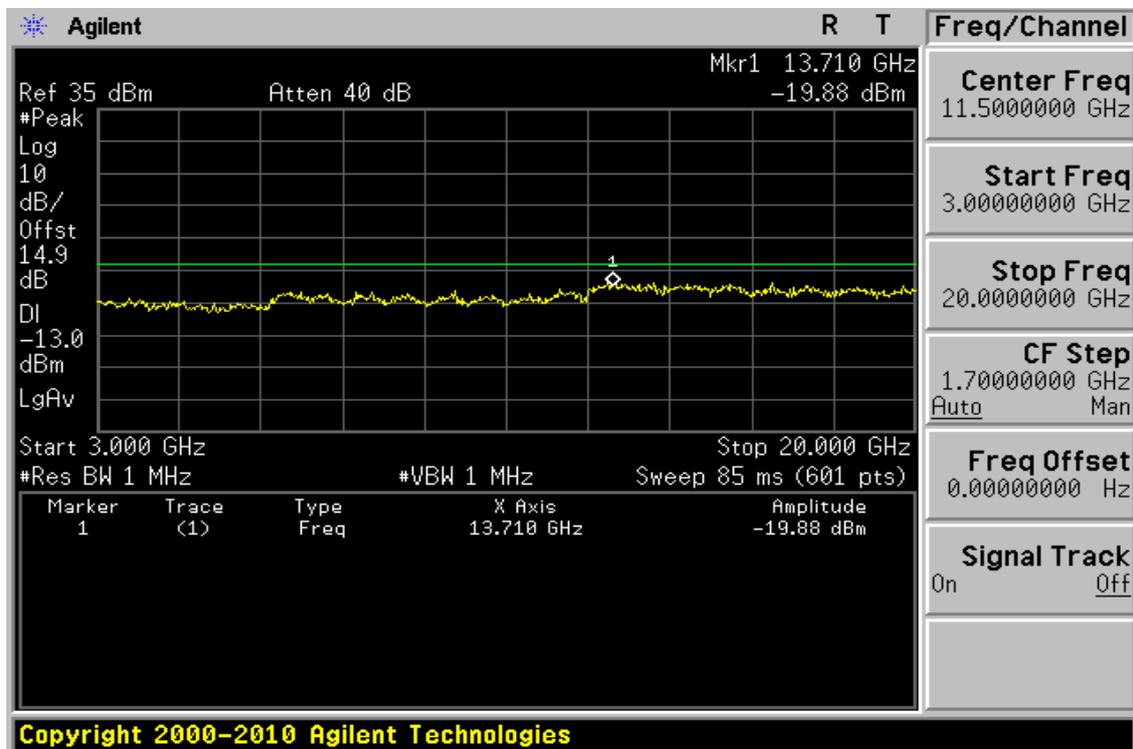
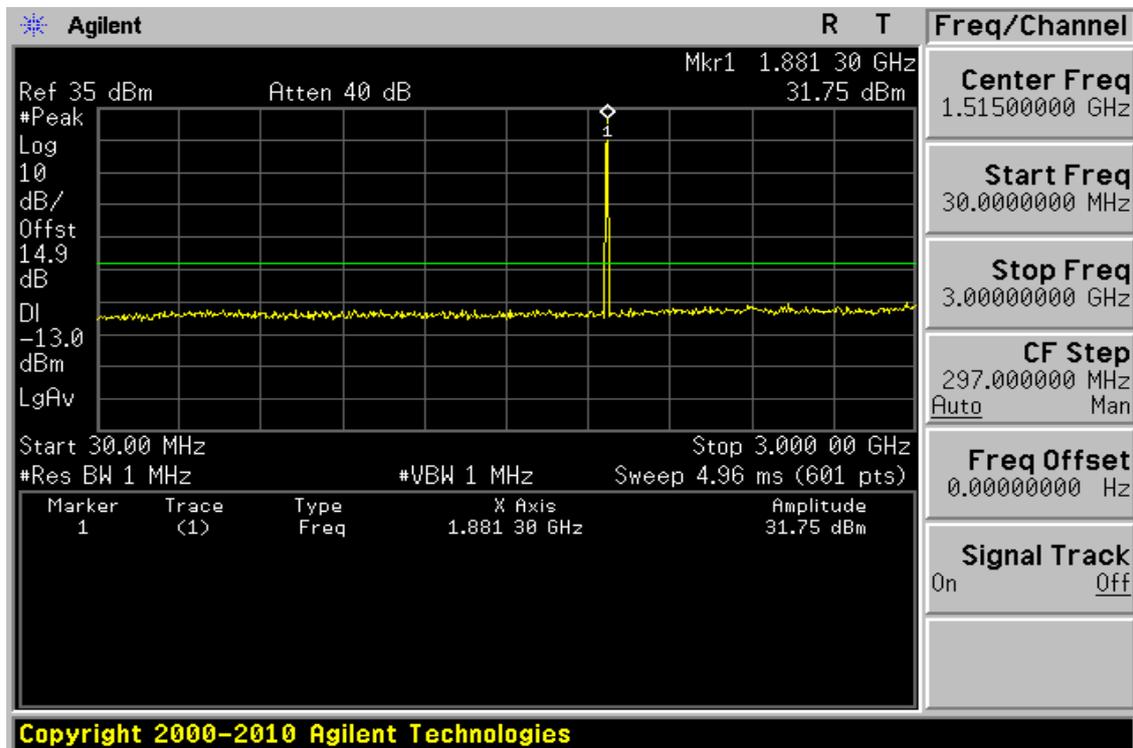


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 10-7: Out of Band emission at antenna terminals –GRPS 1900 Channel Mid

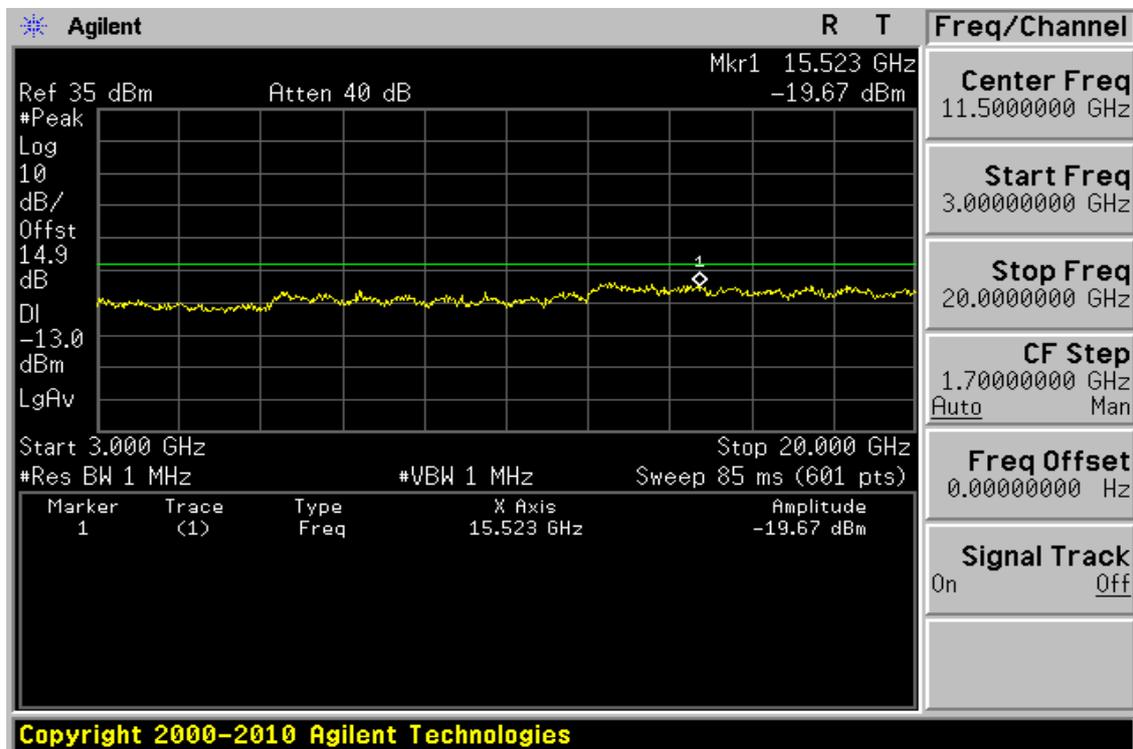
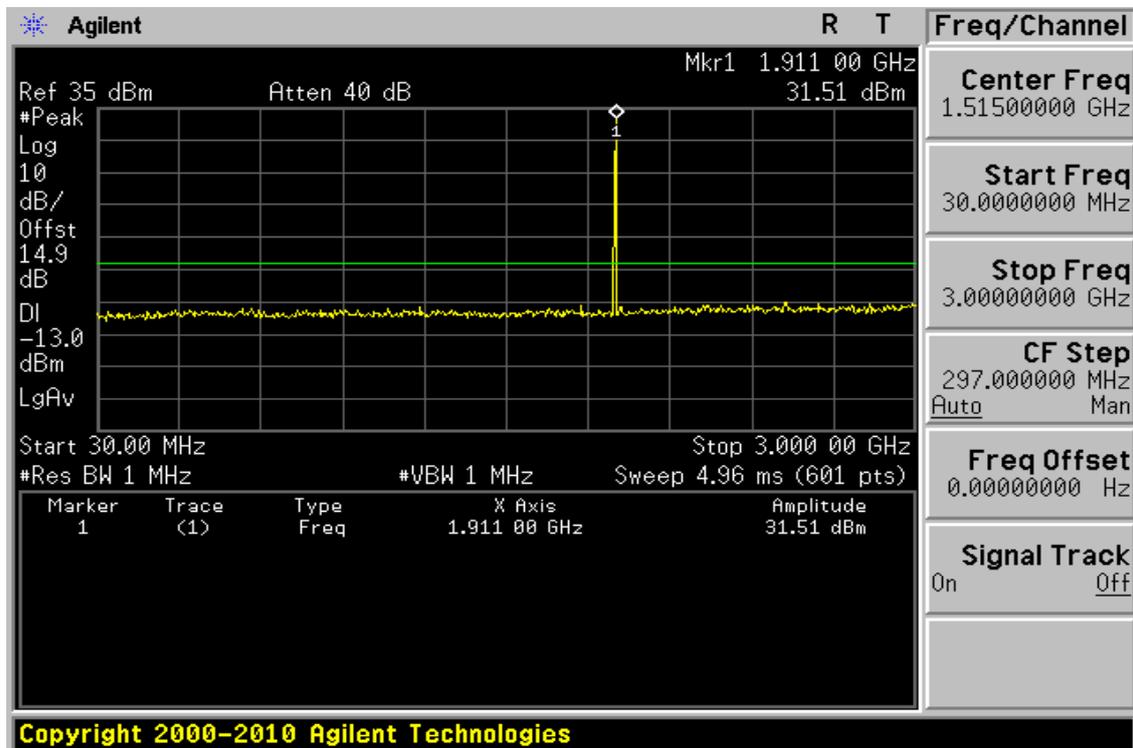


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 10-8: Out of Band emission at antenna terminals –GRPS 1900 Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-9: Band edge emission at antenna terminals –GRPS 1900 Channel Lowest

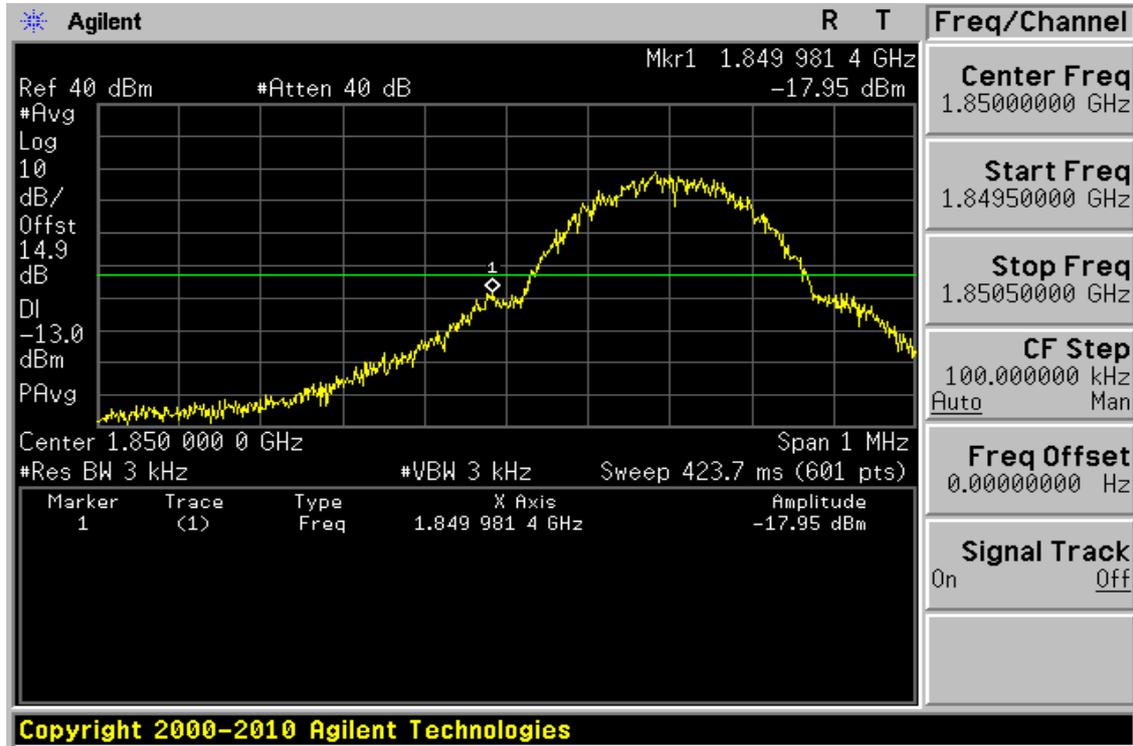
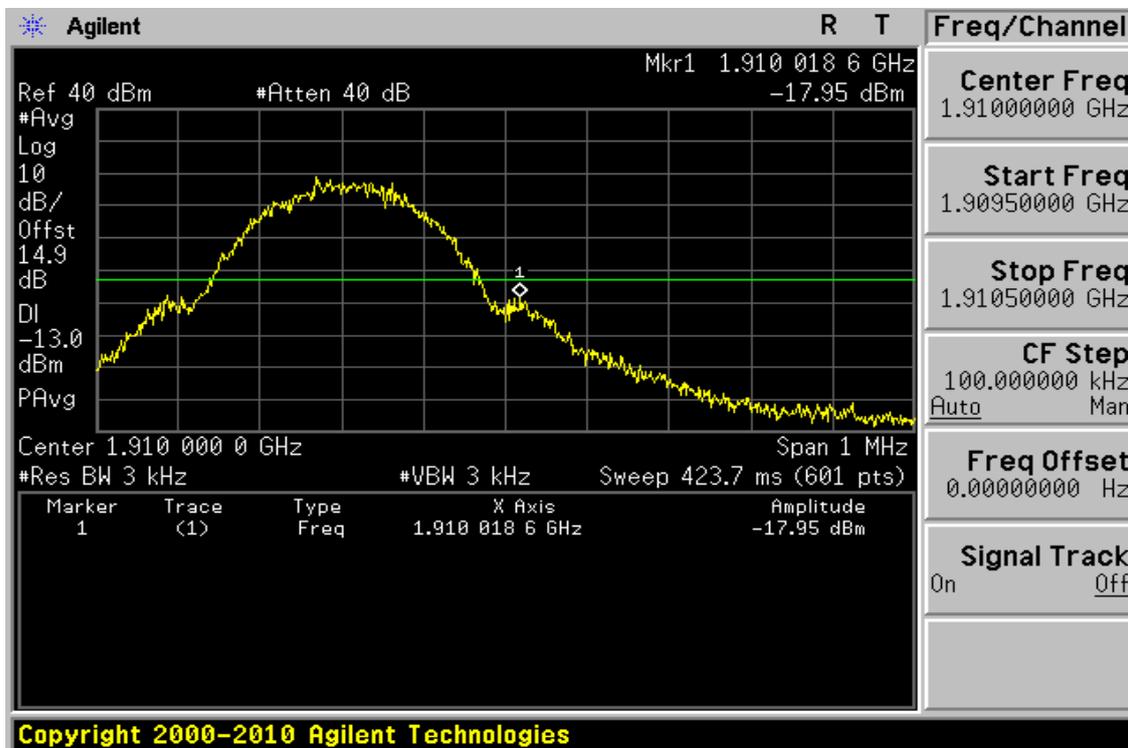


Figure 10-10: Band edge emission at antenna terminals –GRPS 1900 Channel Highest

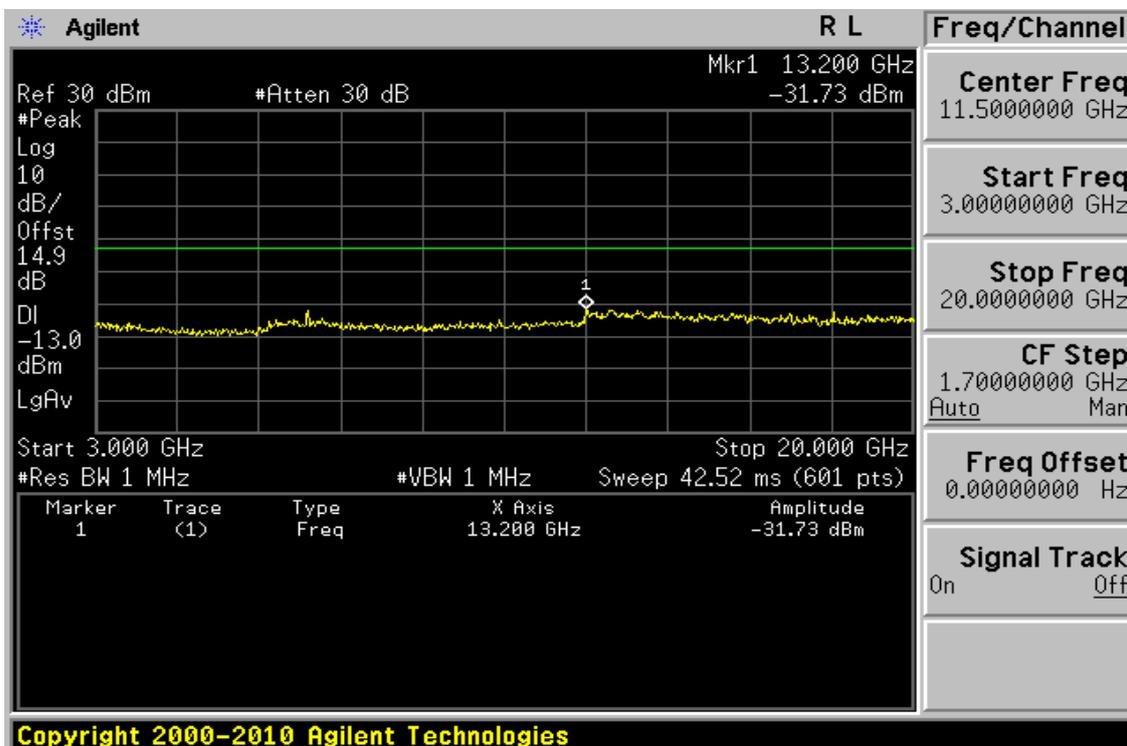
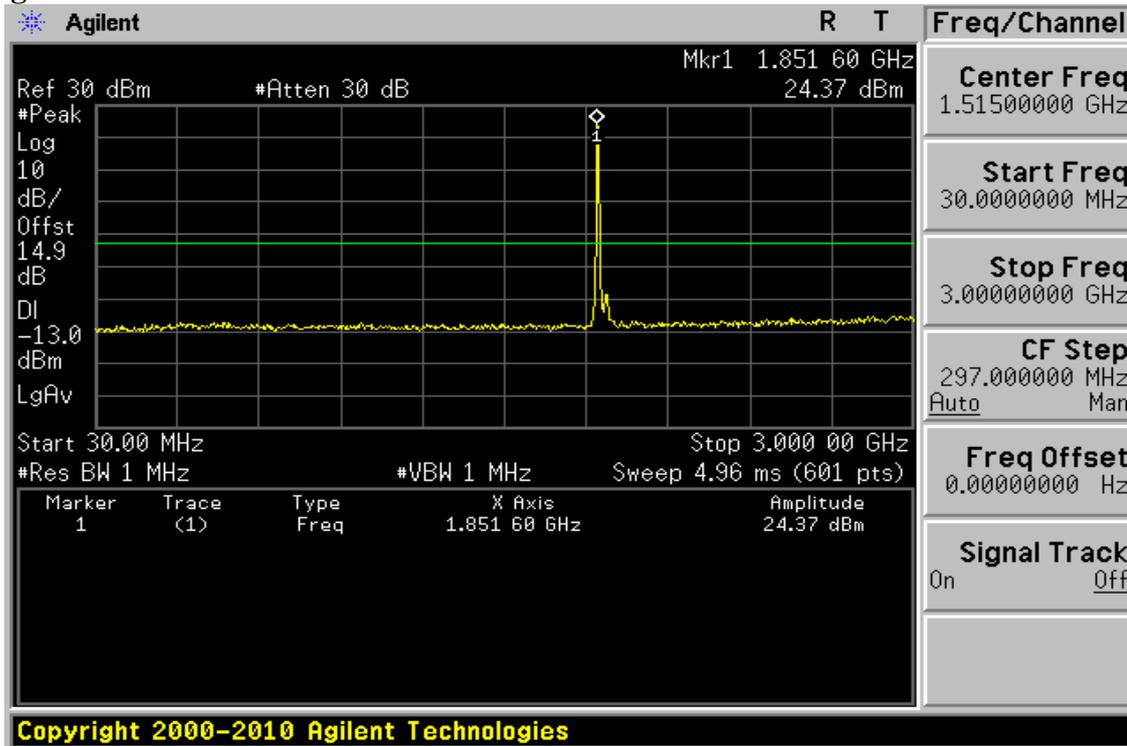


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 10-11: Out of Band emission at antenna terminals– WCDMA II Channel Lowest

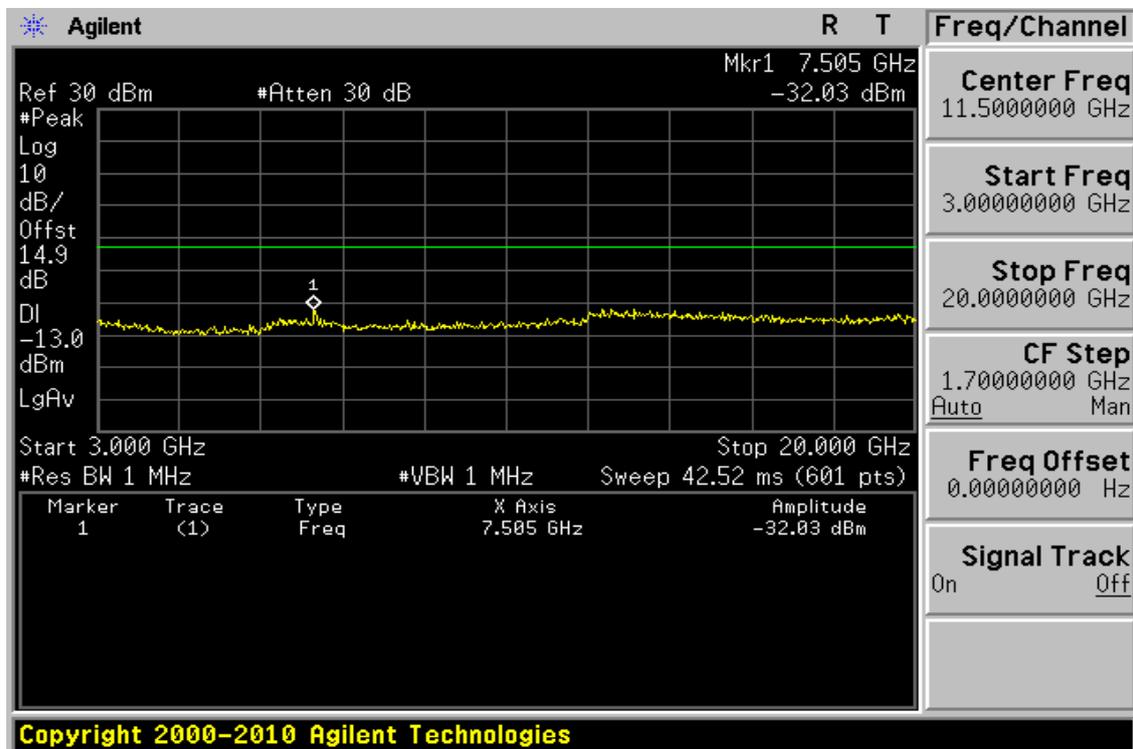
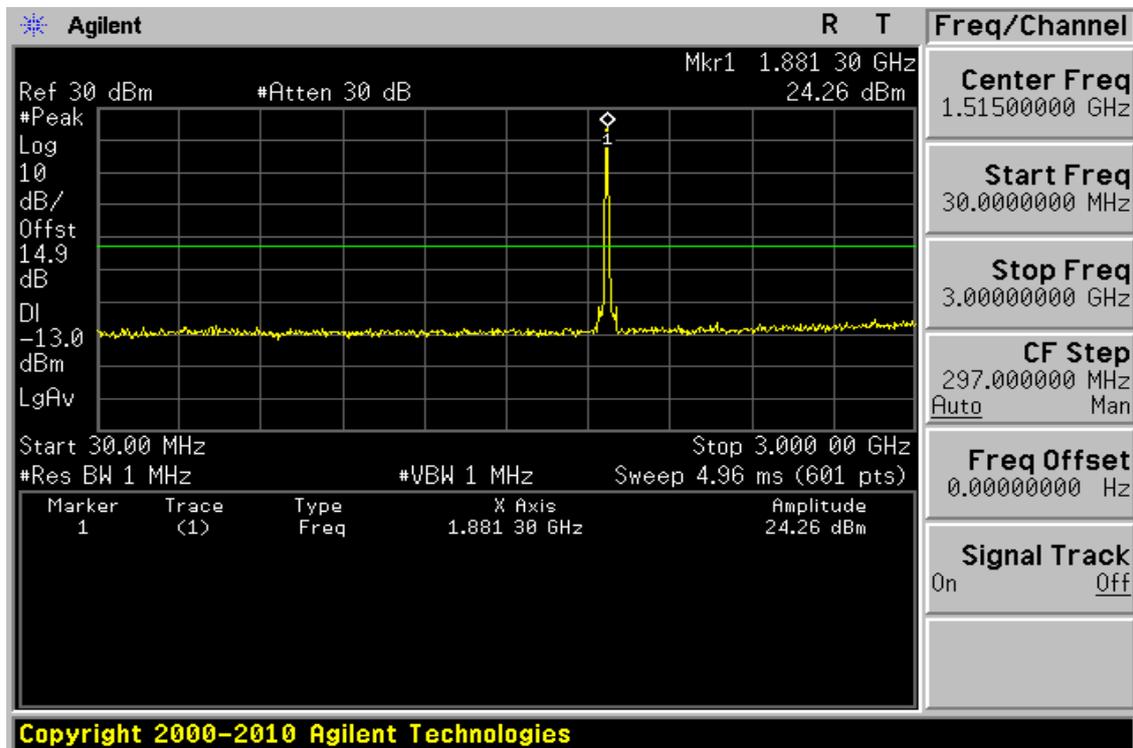


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-12: Out of Band emission at antenna terminals –WCDMA II Channel Mid

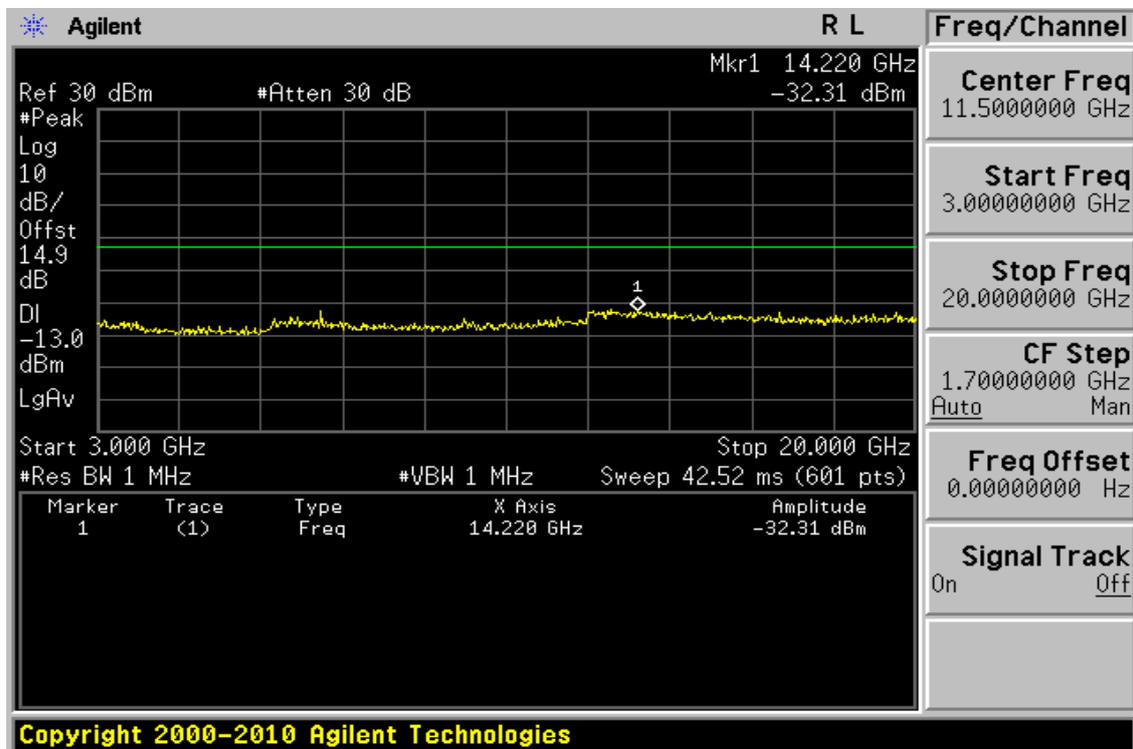
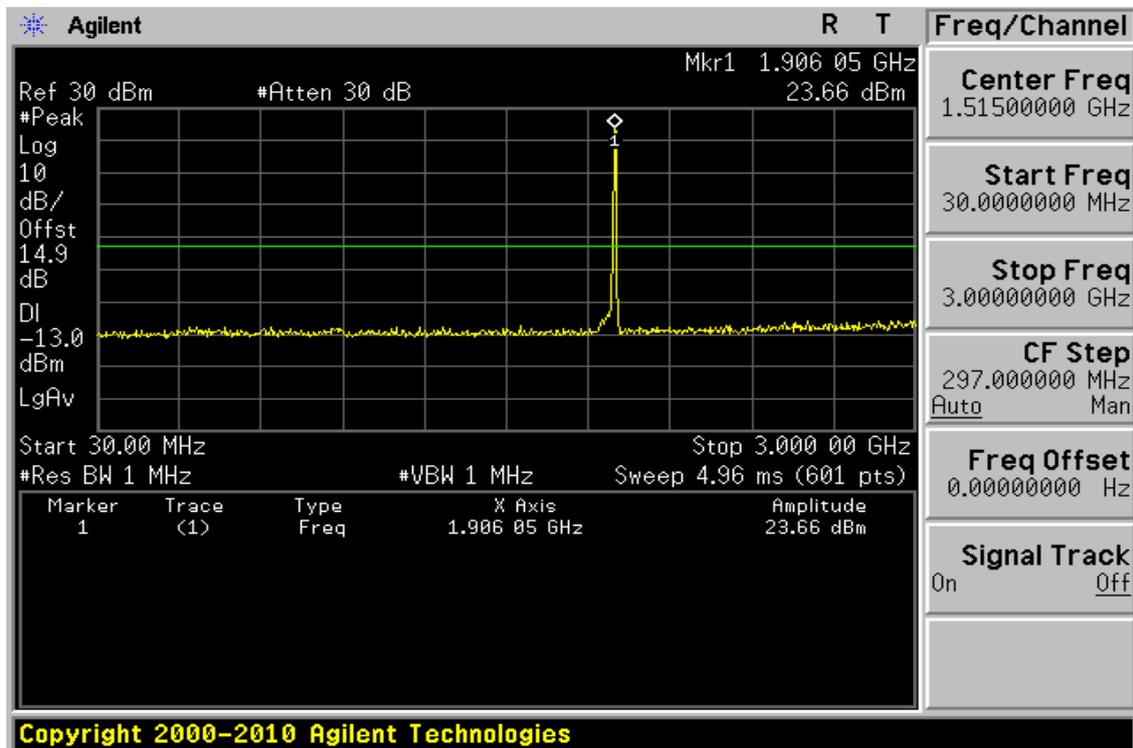


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 10-13: Out of Band emission at antenna terminals–WCDMA II Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 10-14: Band edge emission at antenna terminals –WCDMA II Channel Lowest

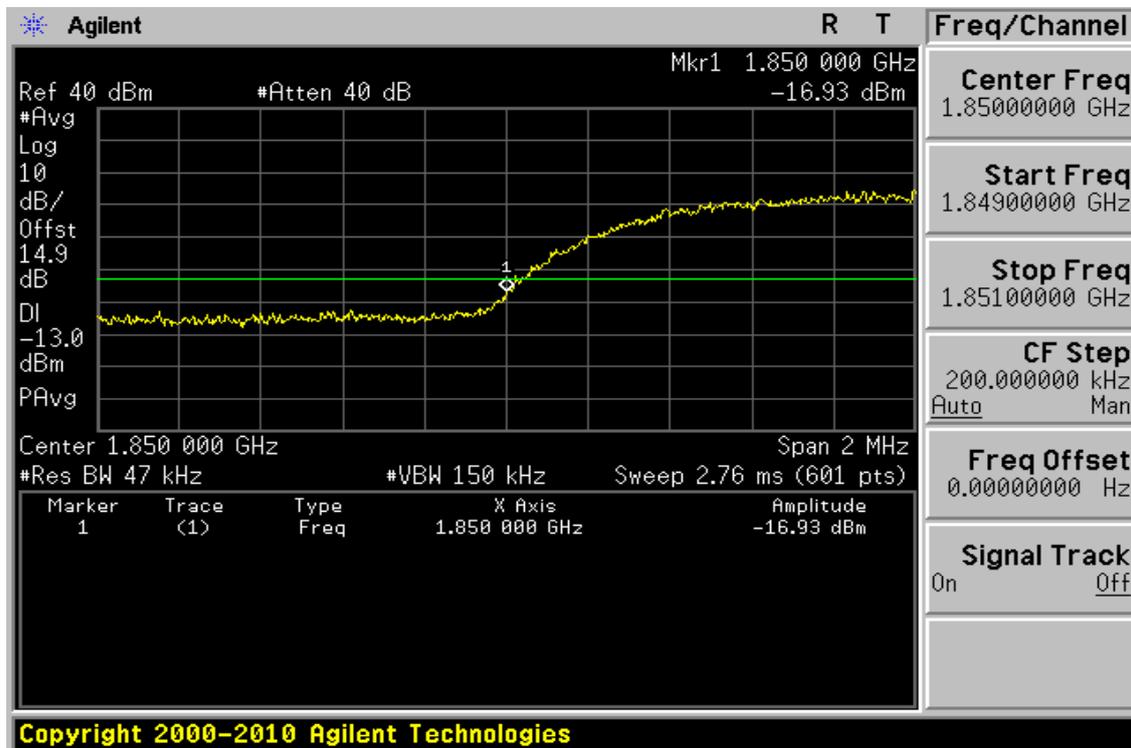
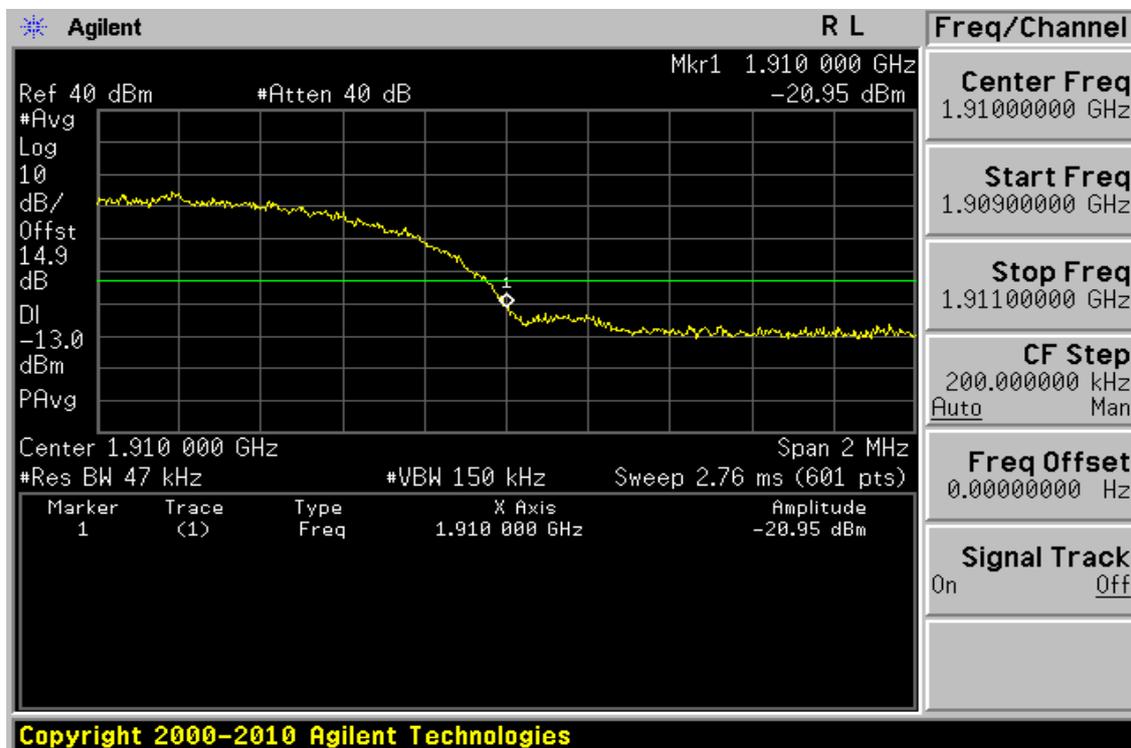


Figure 10-15: Band edge emission at antenna terminals –WCDMA II Channel Highest

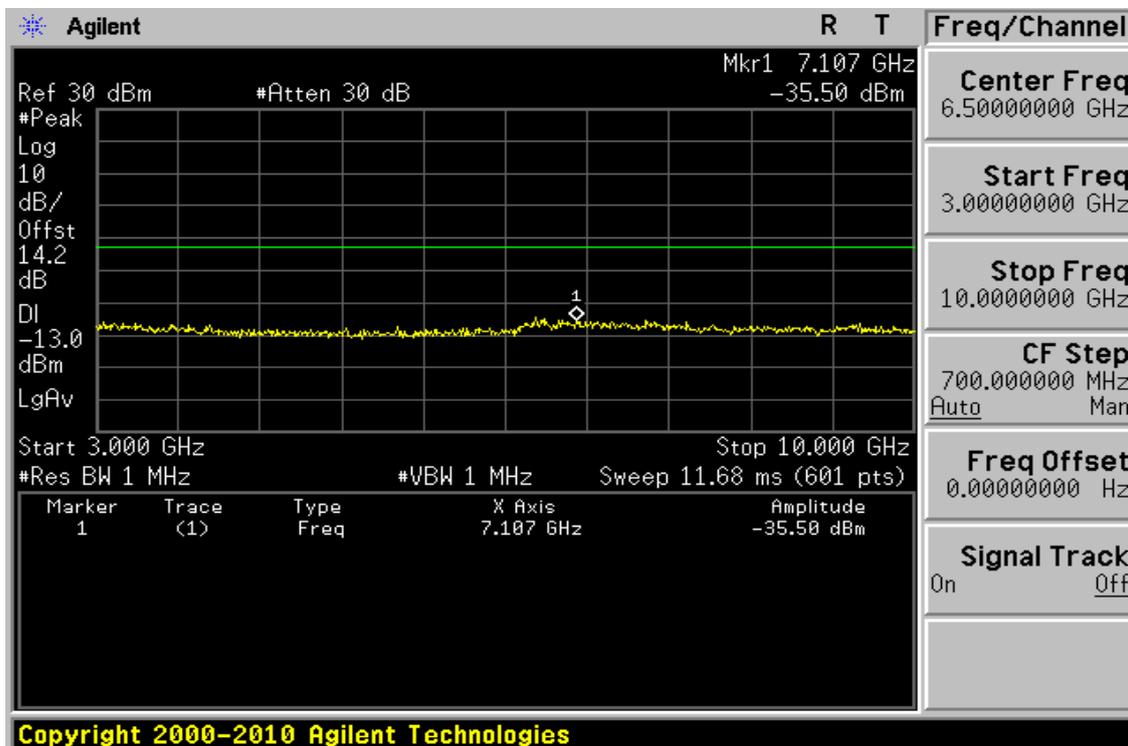
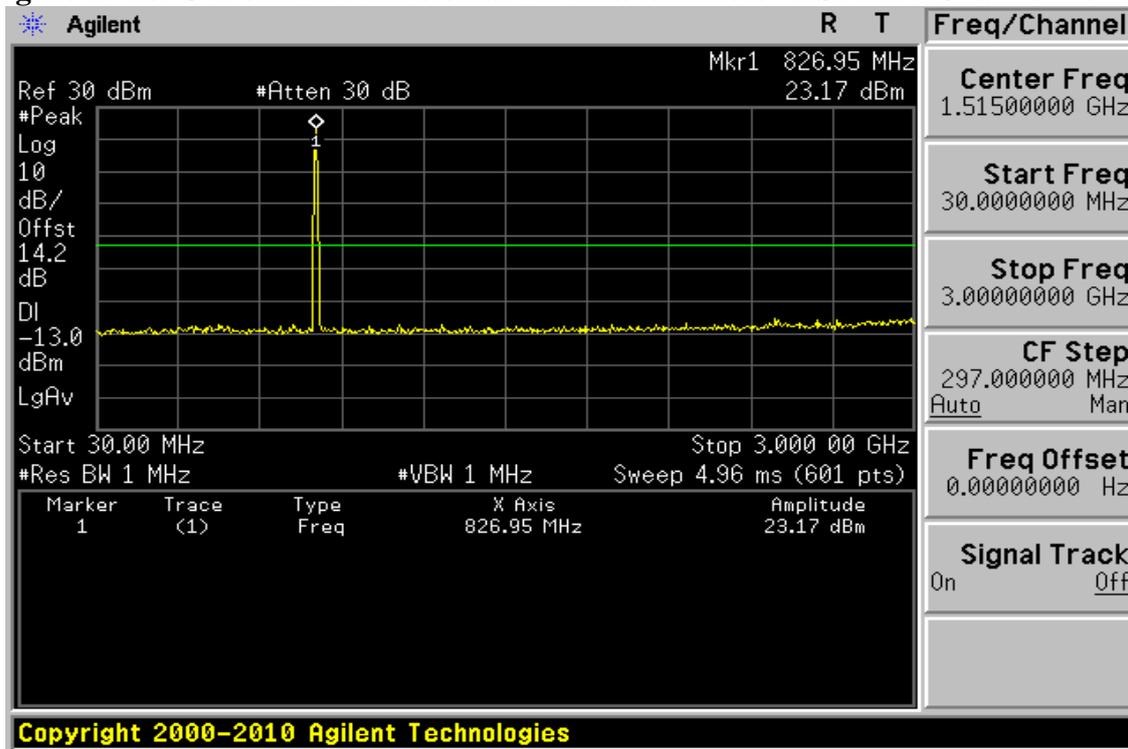


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, WuKung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 10-16: Out of Band emission at antenna terminals– HSDPA V Channel Lowest

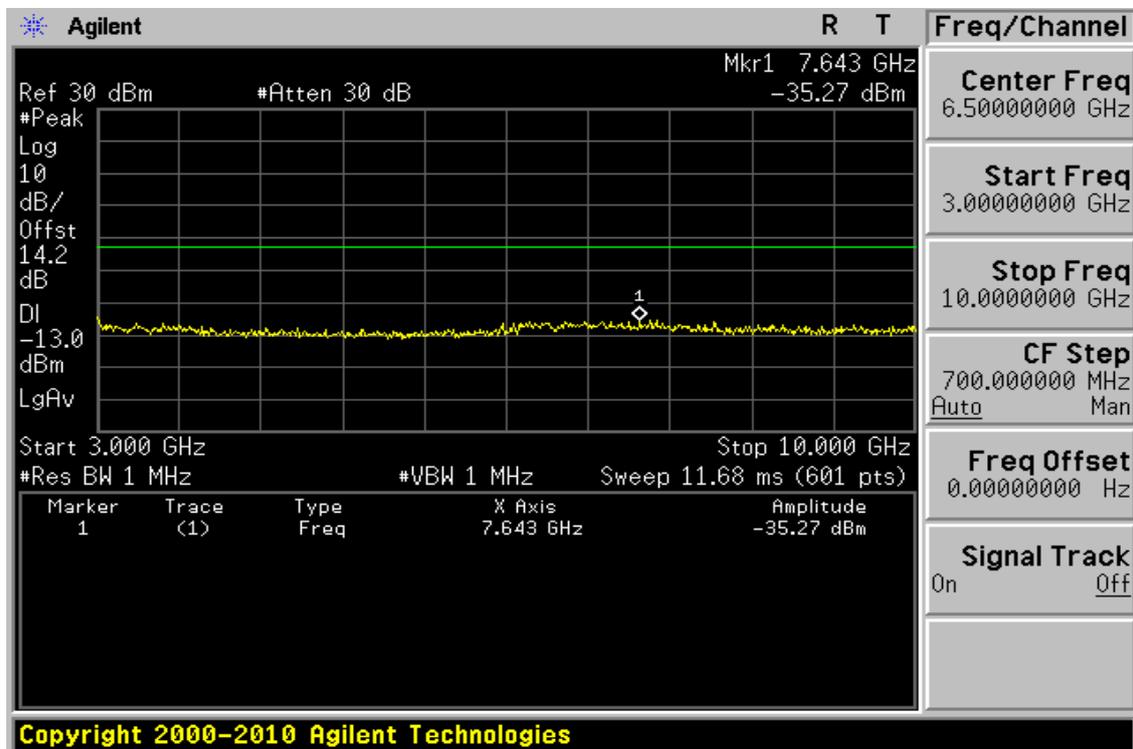
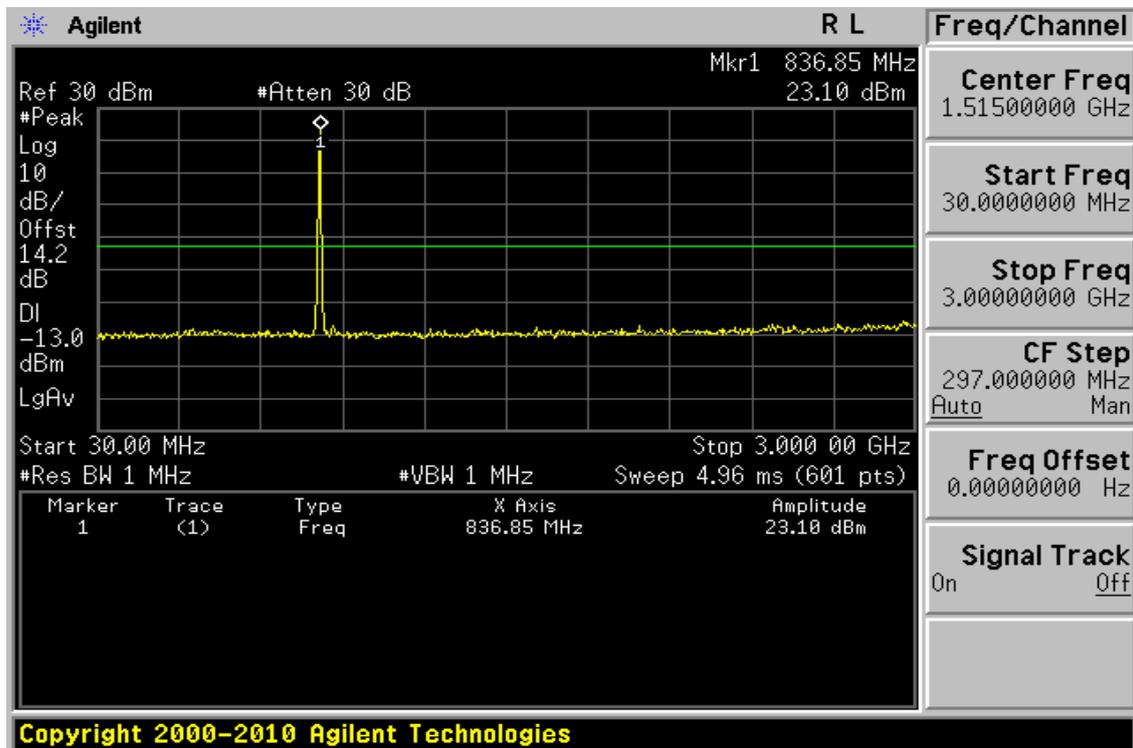


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-17: Out of Band emission at antenna terminals –HSDPA V Channel Mid

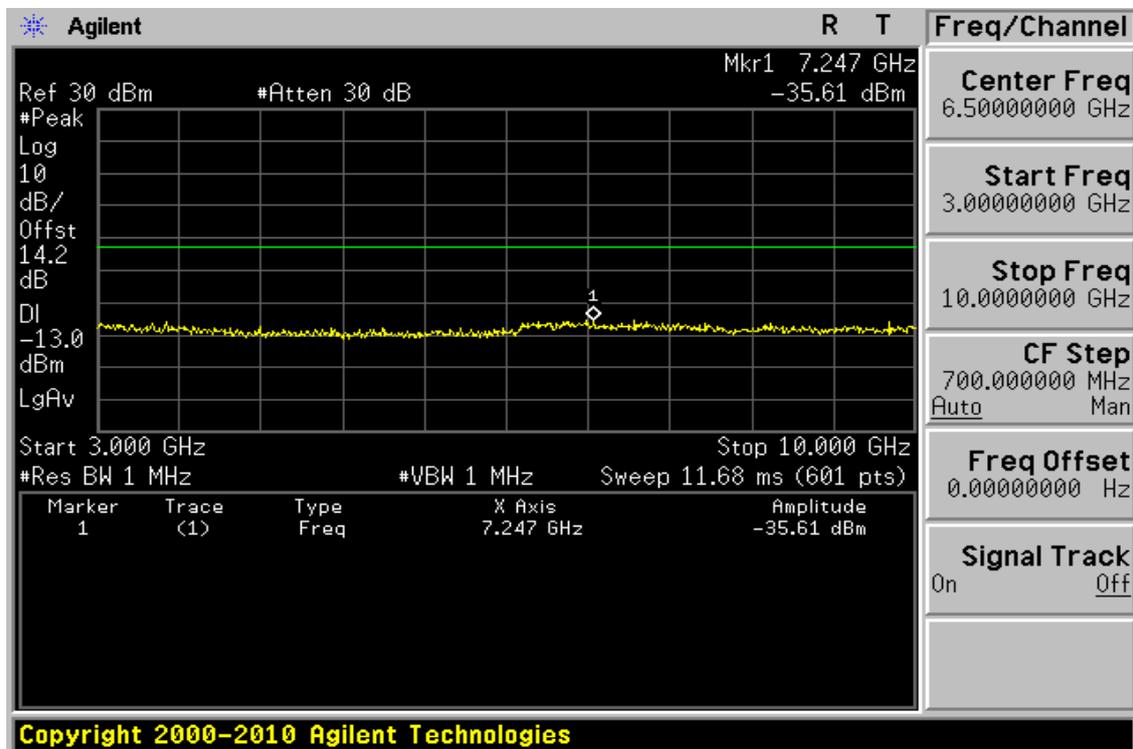
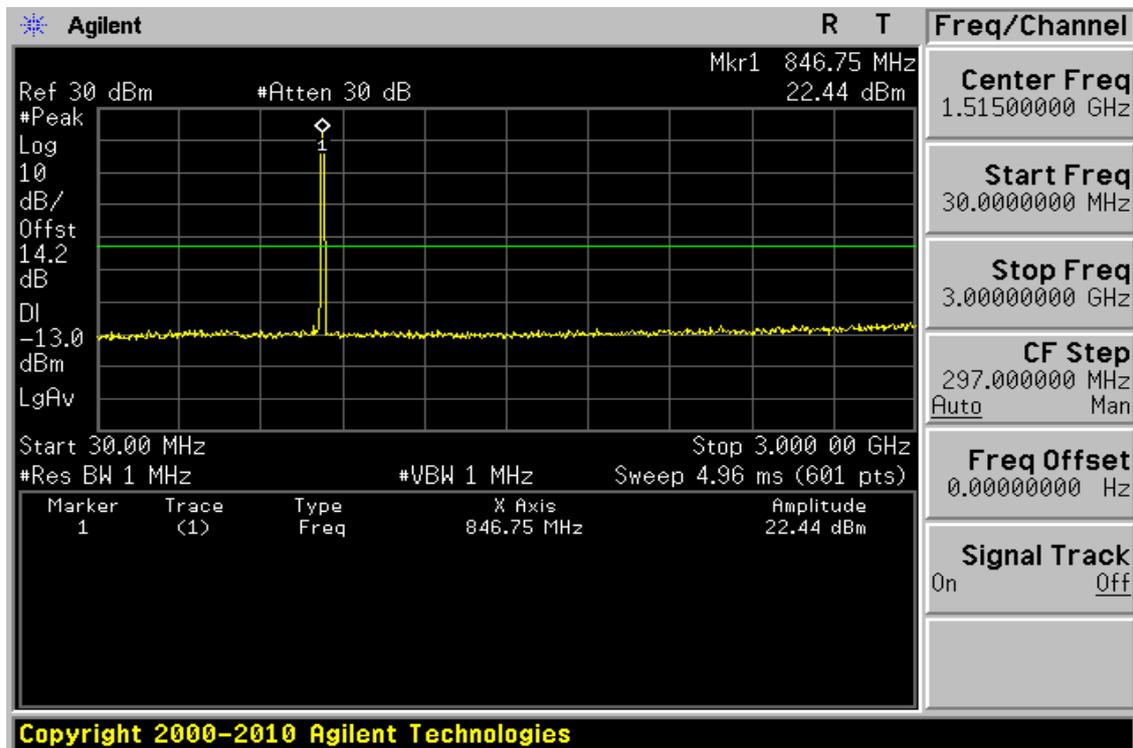


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 10-18: Out of Band emission at antenna terminals–HSDPA V Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 10-19: Band edge emission at antenna terminals –HSDPA V Channel Lowest

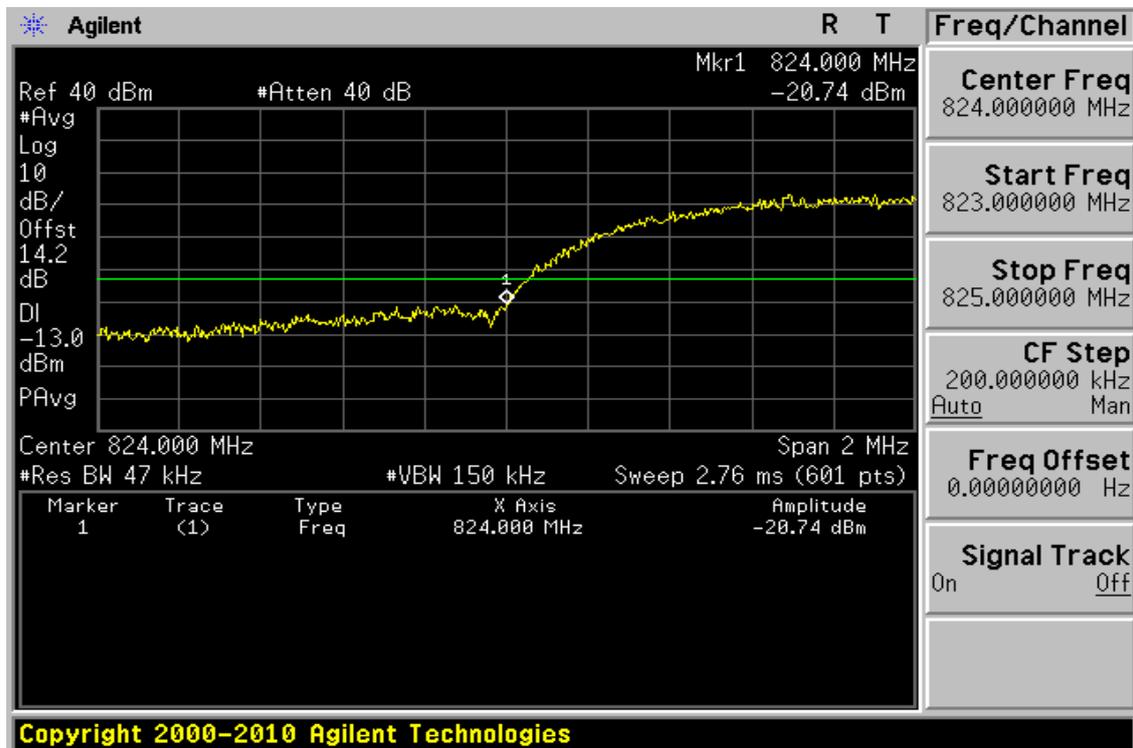
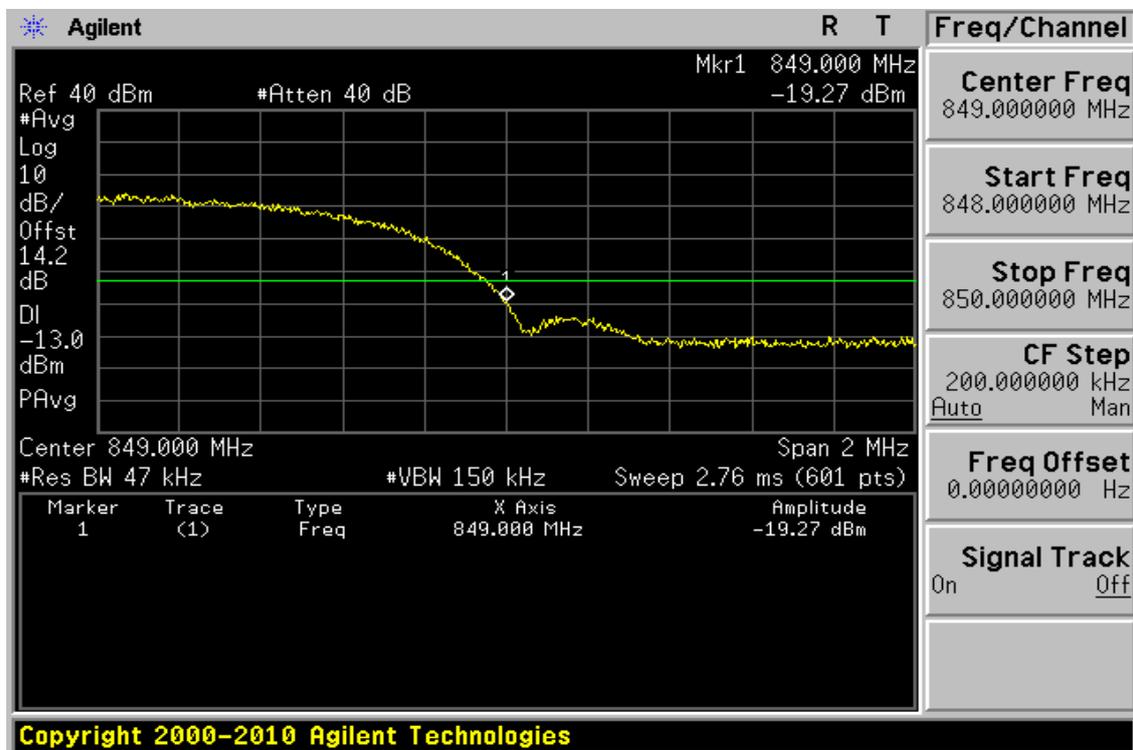


Figure 10-20: Band edge emission at antenna terminals –HSDPA V Channel Highest

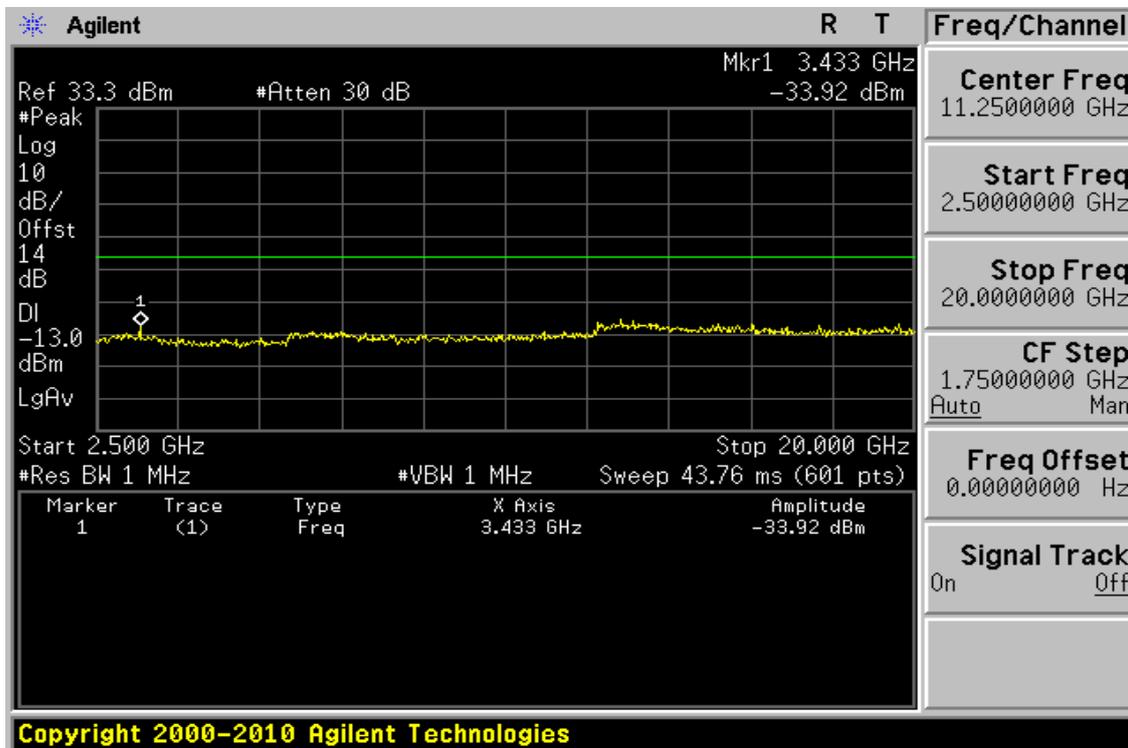
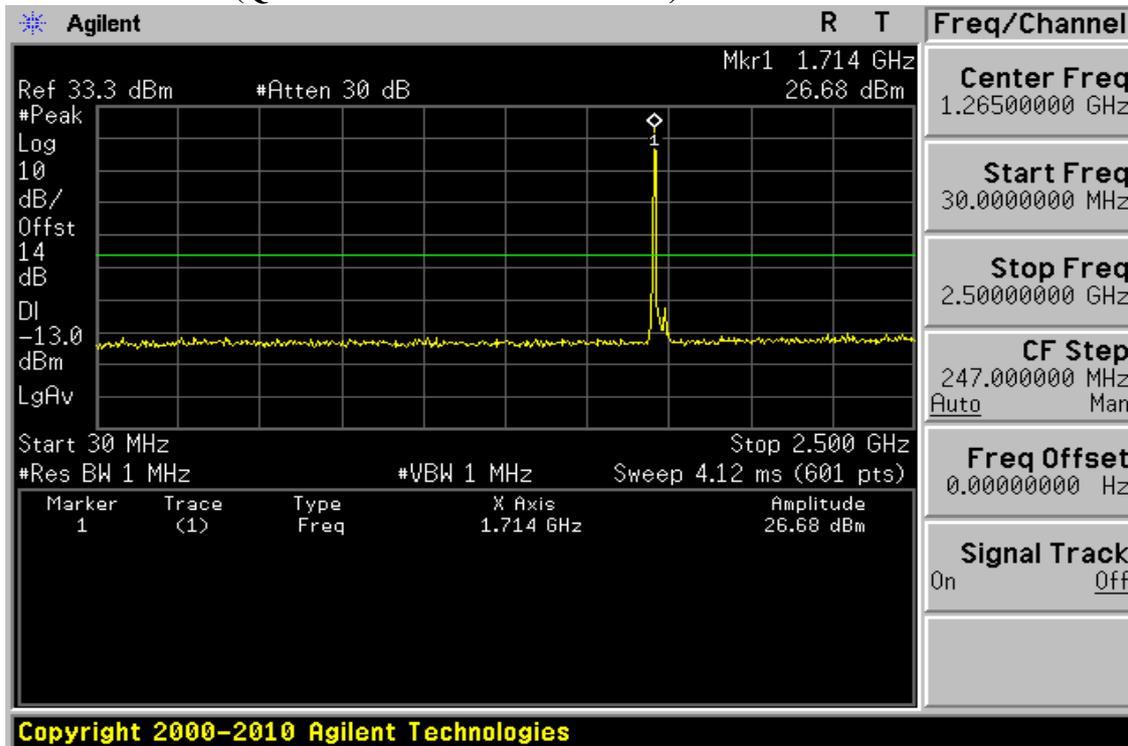


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, WuKung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 10-21: Out of Band emission at antenna terminals–1.4MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Lowest

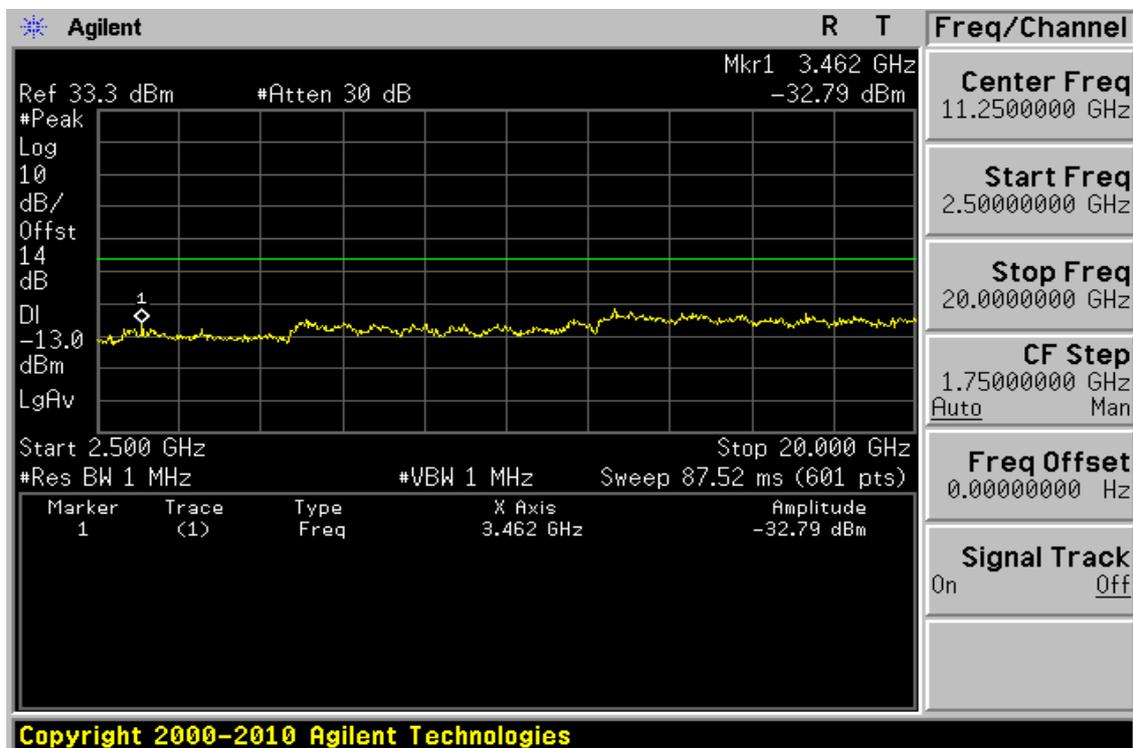
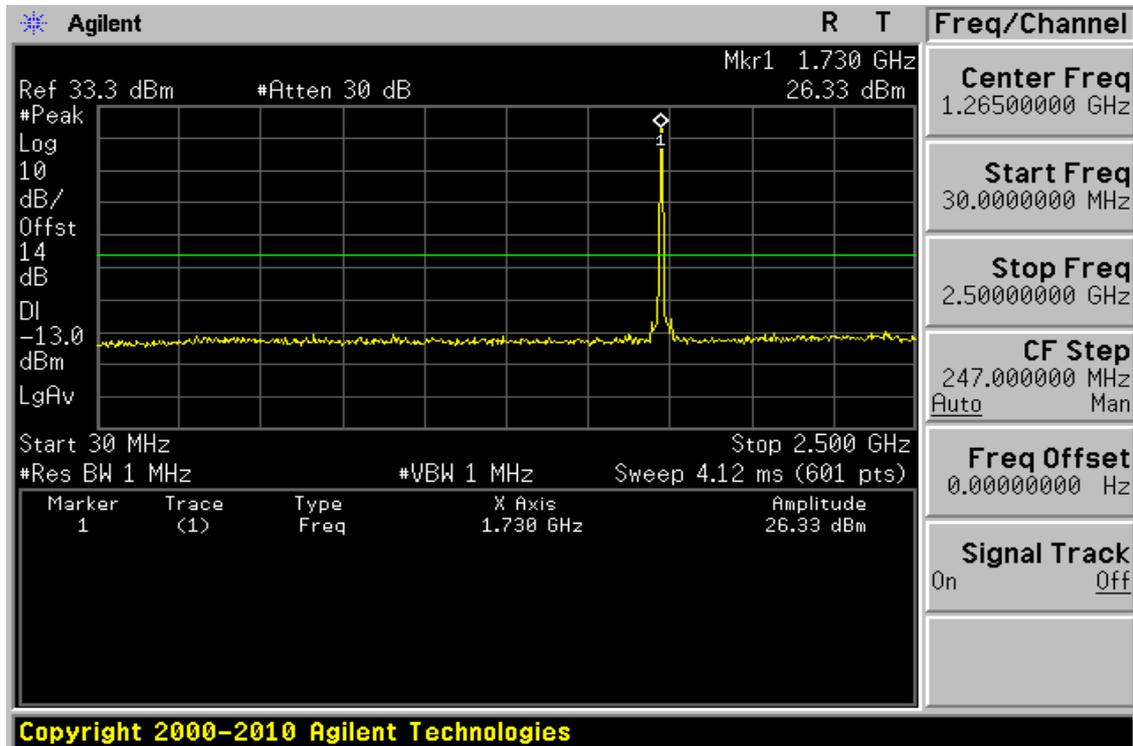


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 10-22: Out of Band emission at antenna terminals –1.4MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Mid

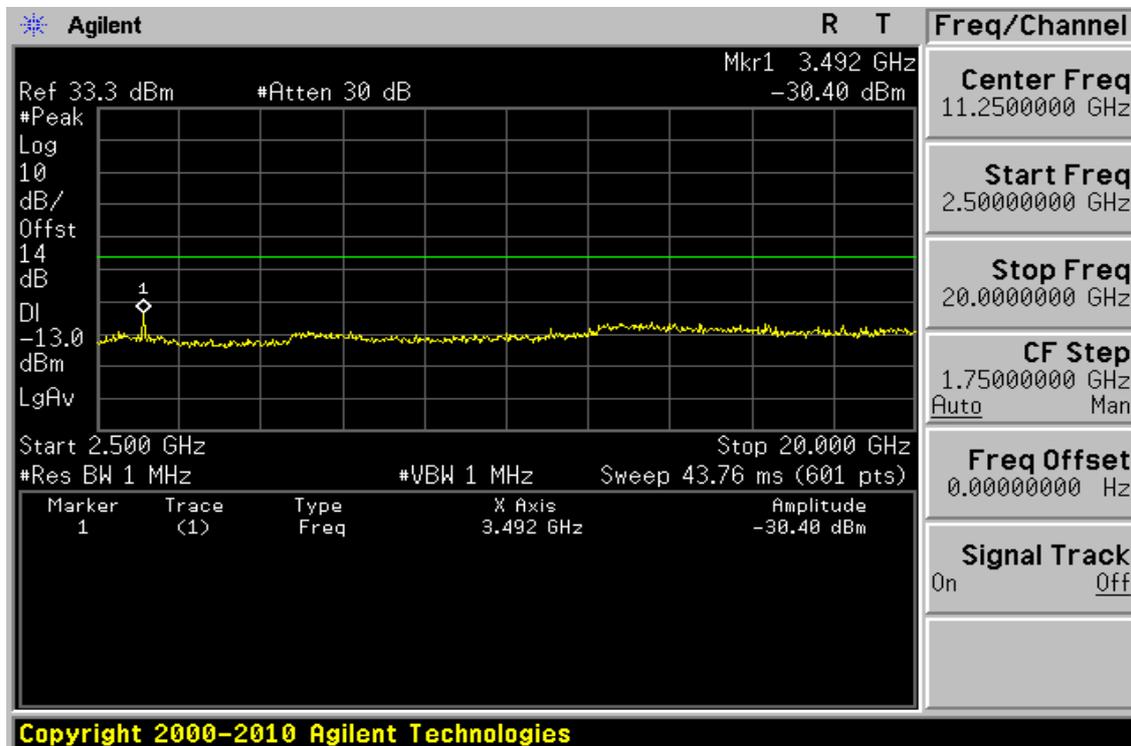
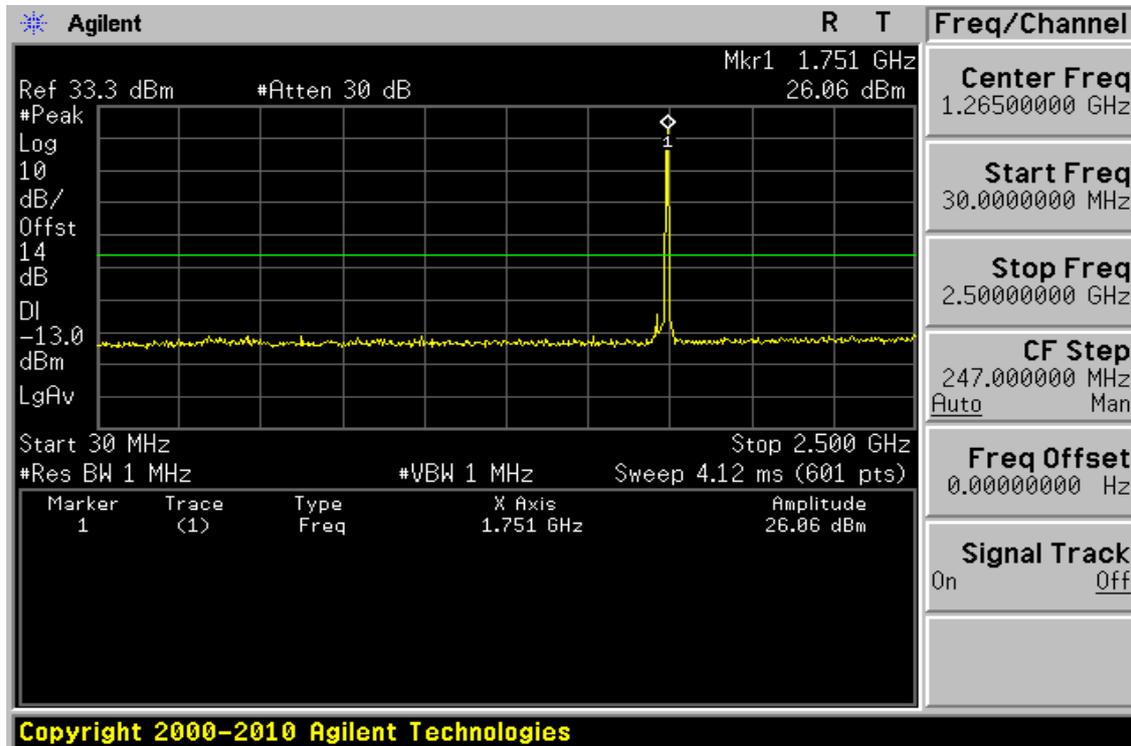


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-23: Out of Band emission at antenna terminals–1.4MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Figure 10-24: Band edge emission at antenna terminals –1.4MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Lowest

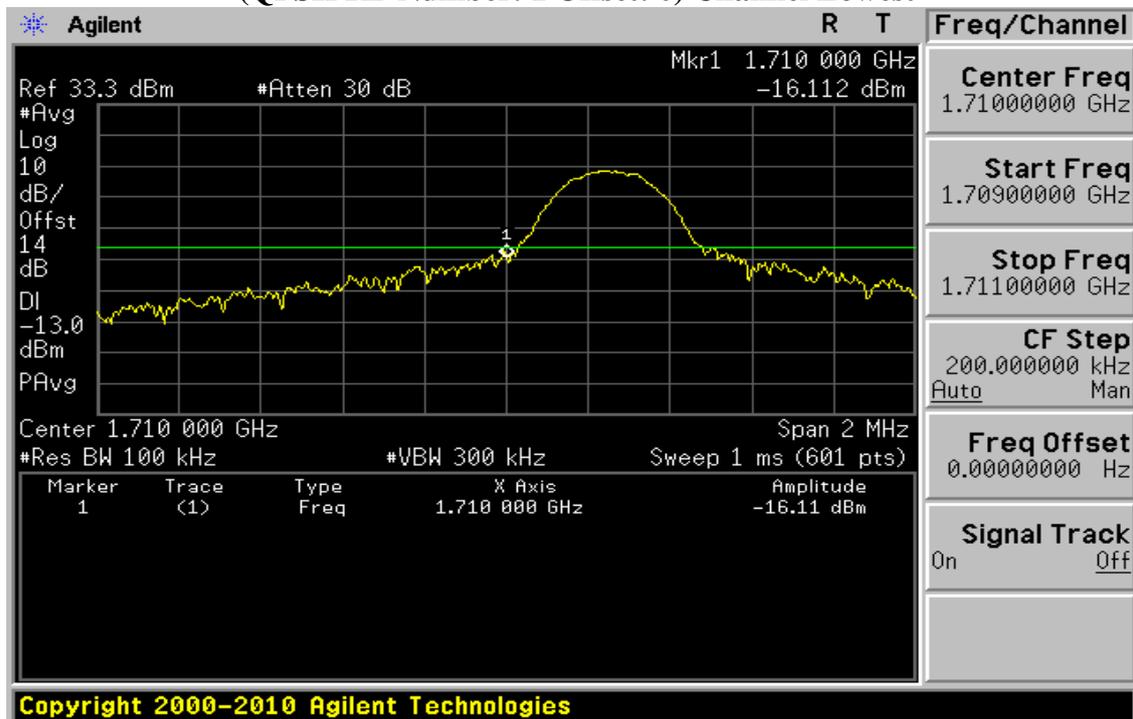


Figure 10-25: Band edge emission at antenna terminals –1.4MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 5) Channel Highest

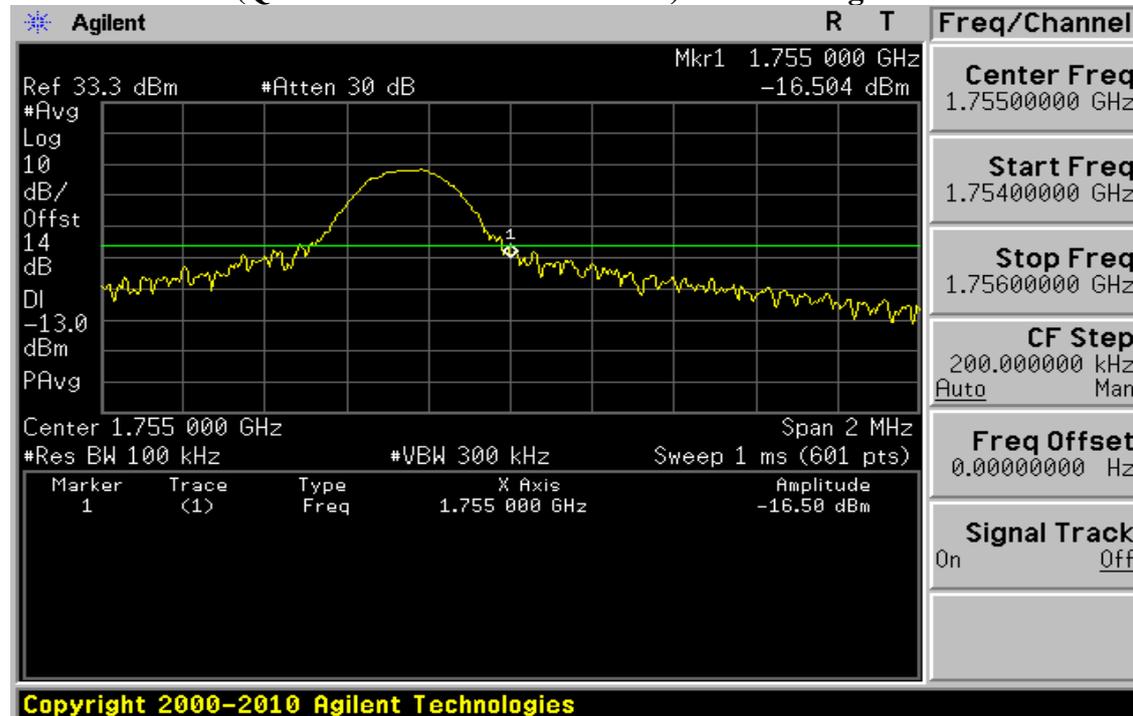


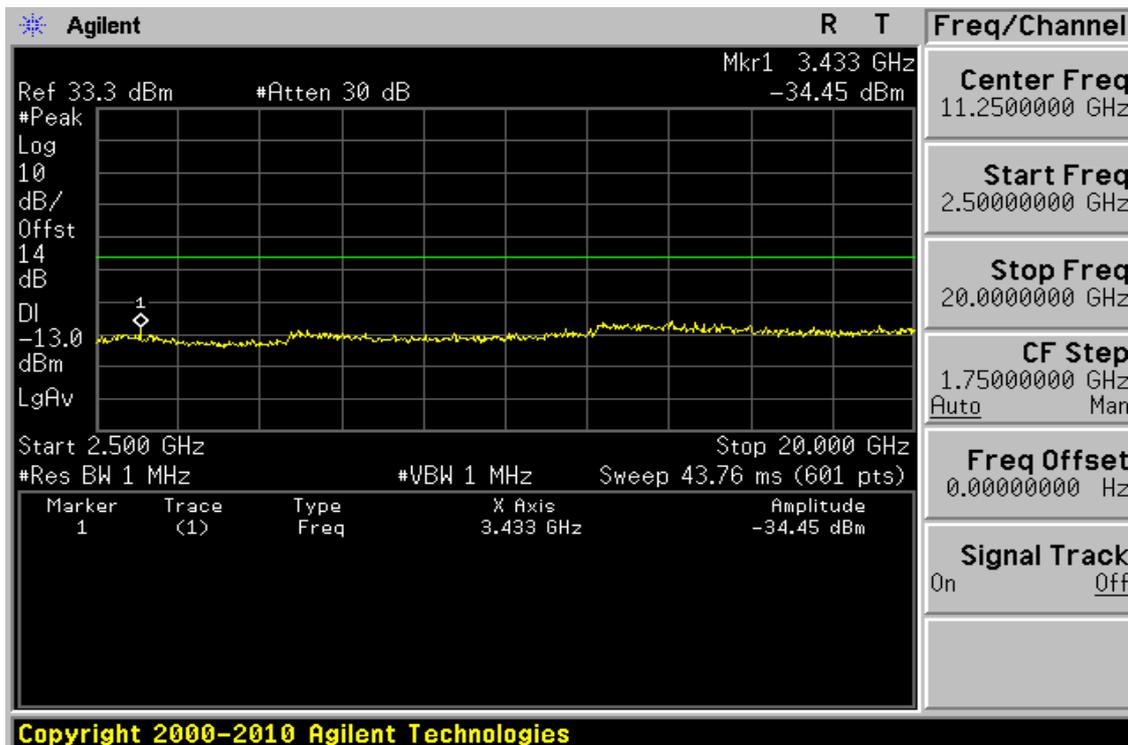
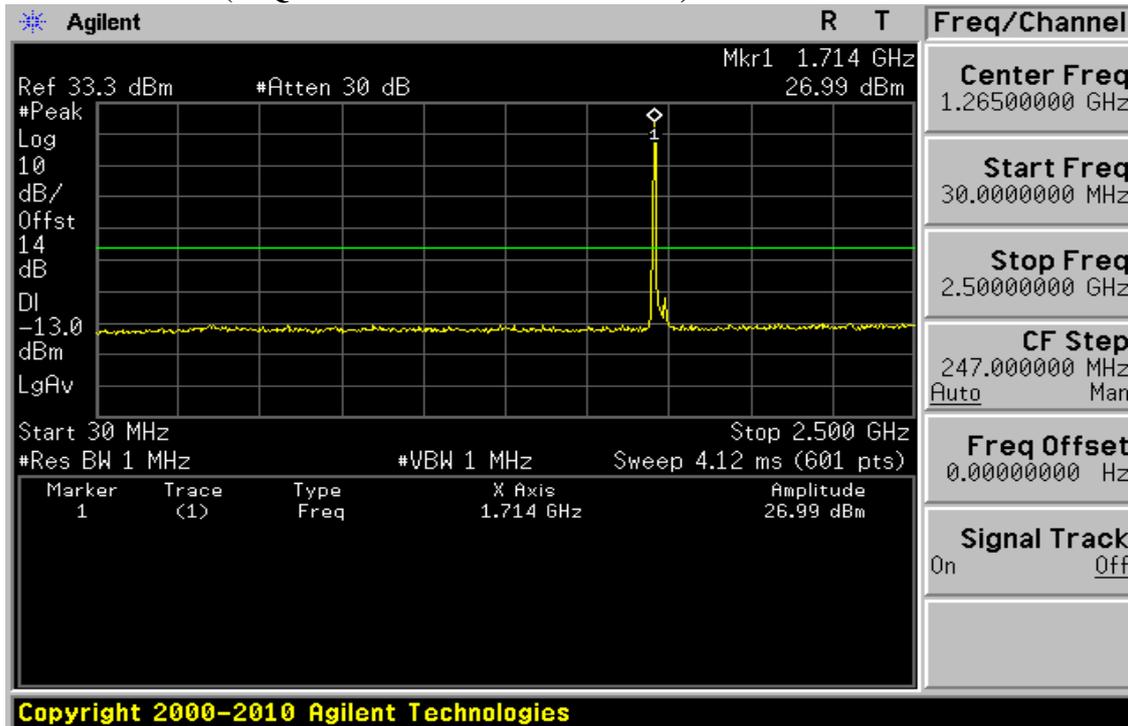
Figure 10-26: Out of Band emission at antenna terminals –1.4MHz BW LTE-Band 4

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

(16QAM RB Number: 1 Offset: 0) Channel Lowest

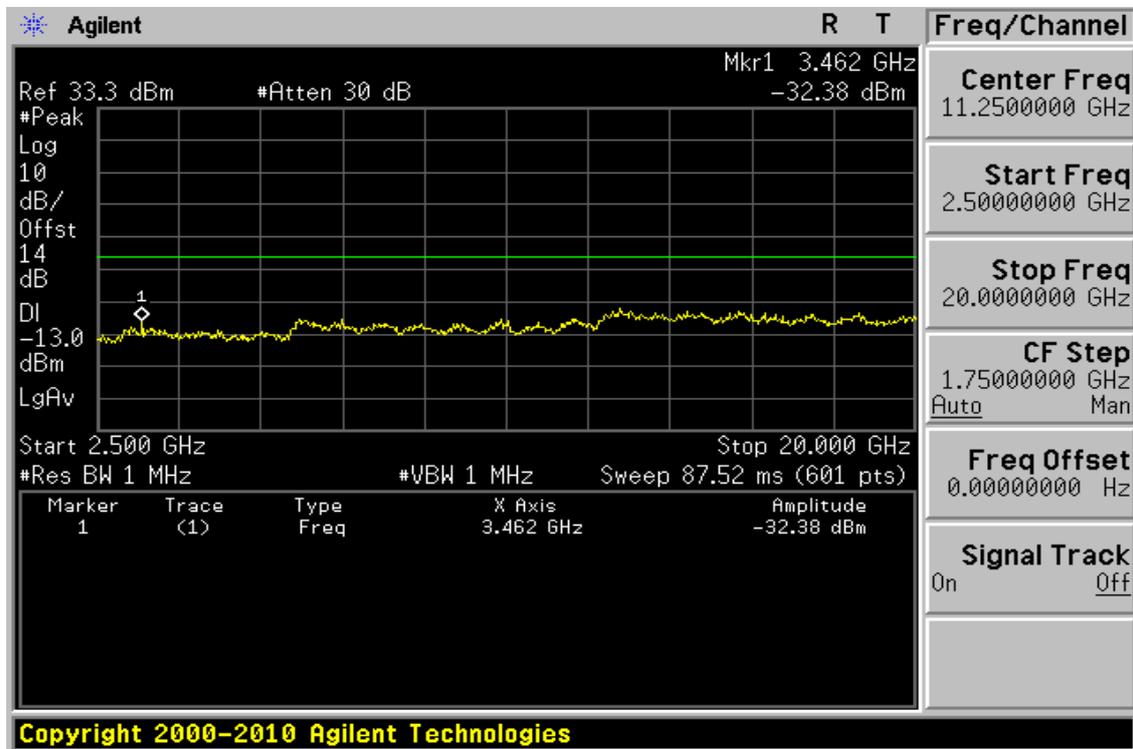
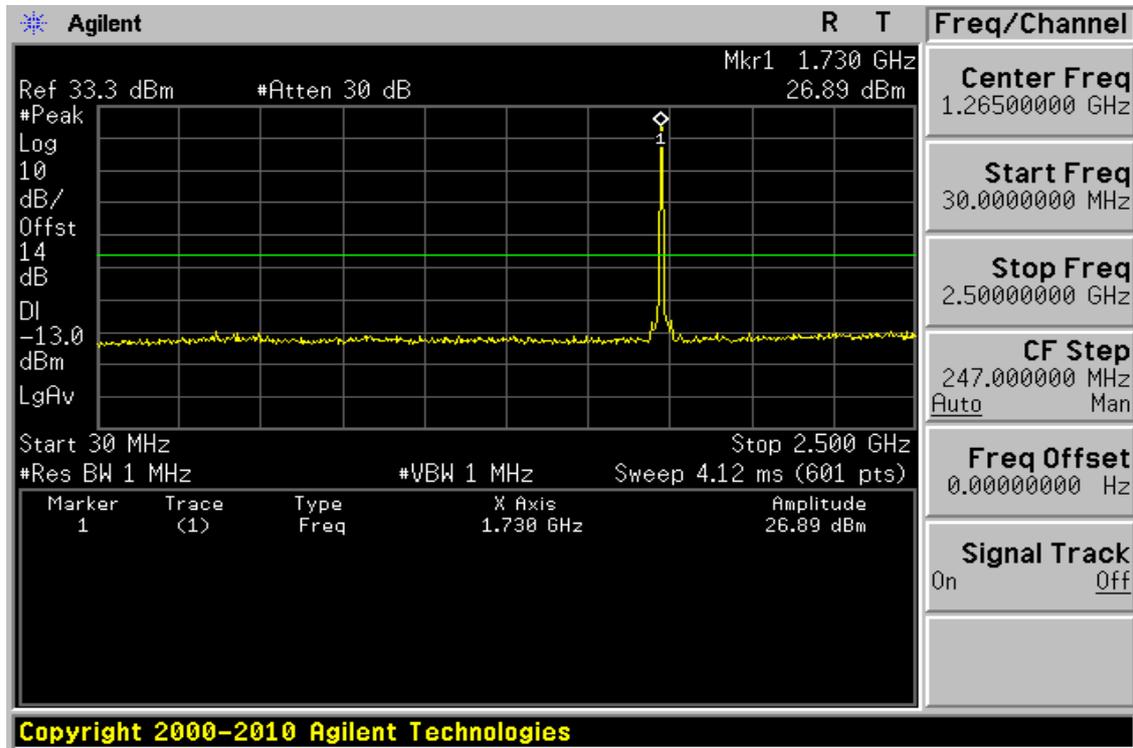


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-27: Out of Band emission at antenna terminals –1.4MHz BW LTE-Band 4 (16QAM RB Number: 1 Offset: 0) Channel Mid

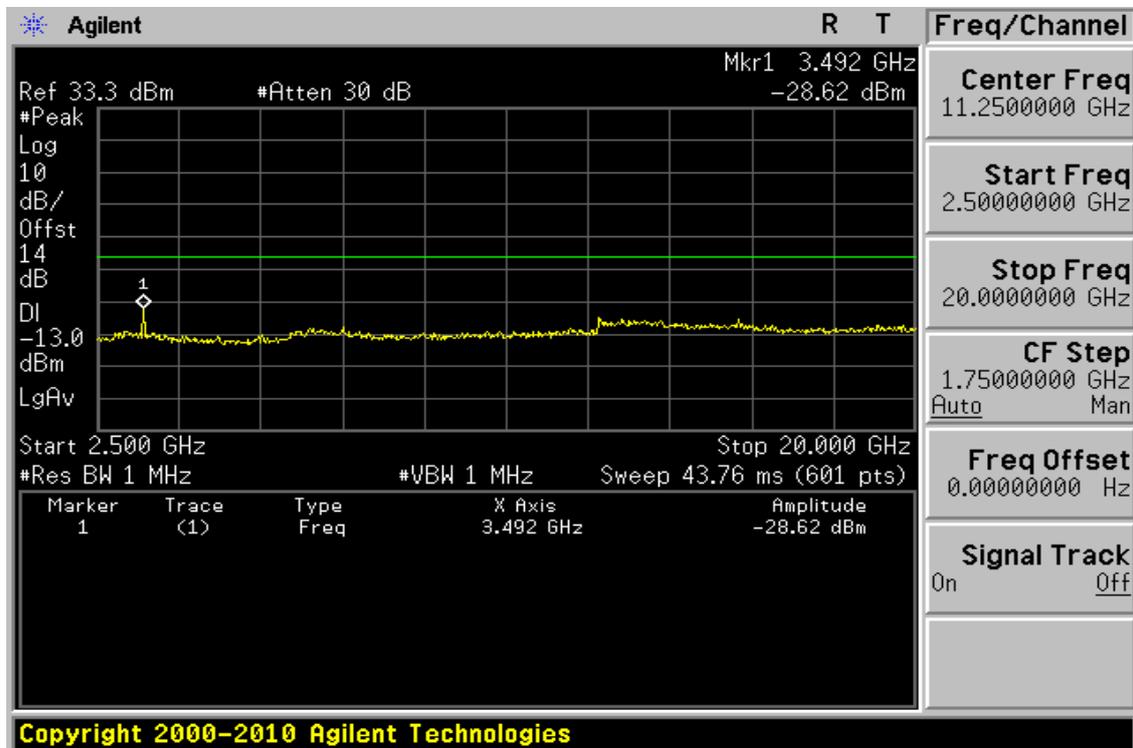
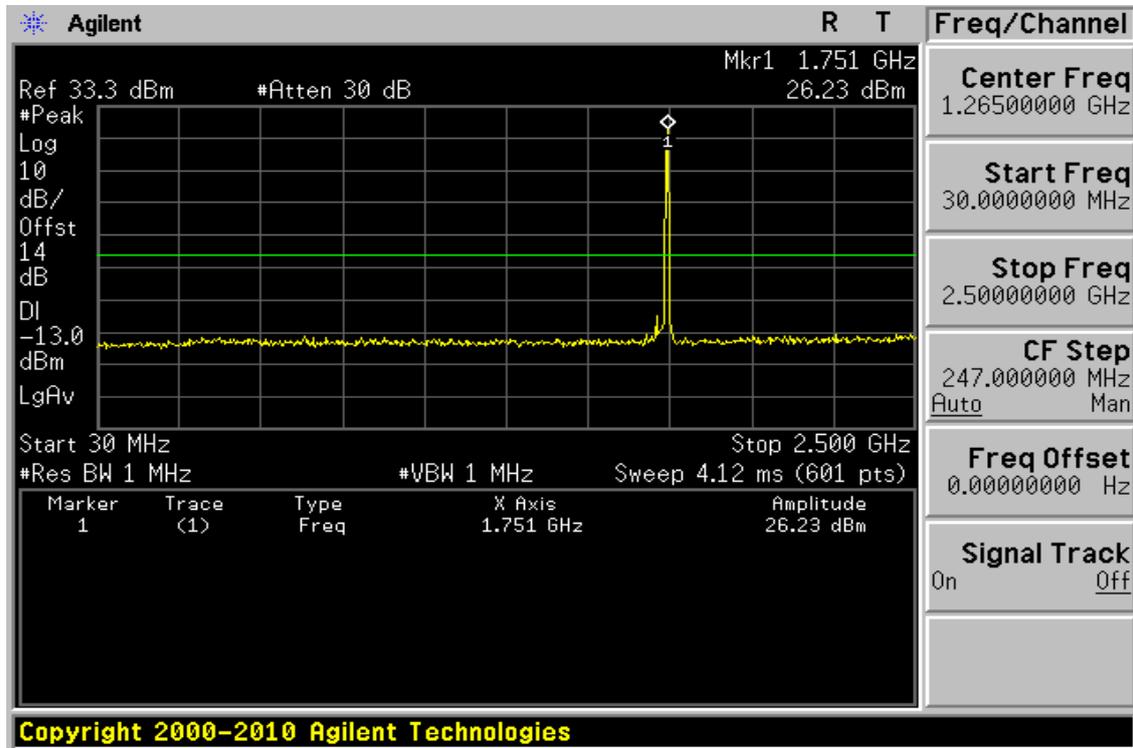


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Figure 10-28: Out of Band emission at antenna terminals–1.4MHz BW LTE-Band 4 (16QAM RB Number: 1 Offset: 0) Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, WuKungRoad, NewTaipeiIndustrialPark, WukuDistrict, NewTaipeiCity, Taiwan24803/新北市五股區新北產業園區五工路 134 號

Figure 10-29: Band edge emission at antenna terminals –1.4MHz BW LTE-Band 4 (16QAM RB Number: 1 Offset: 0) Channel Lowest

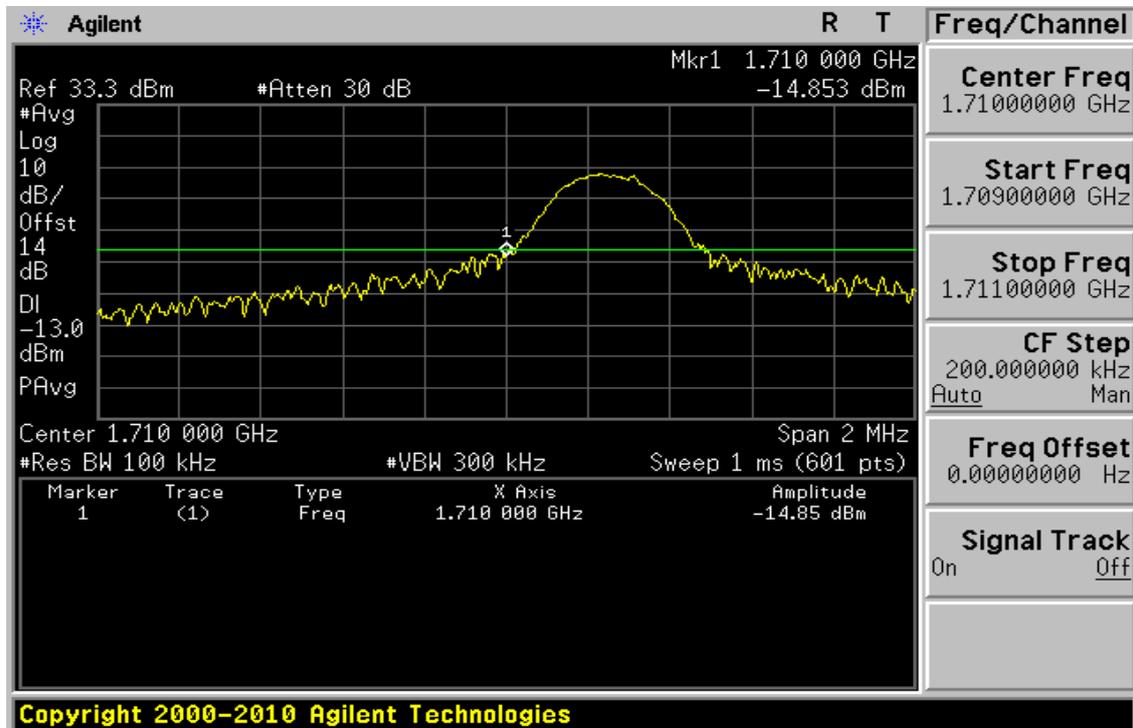
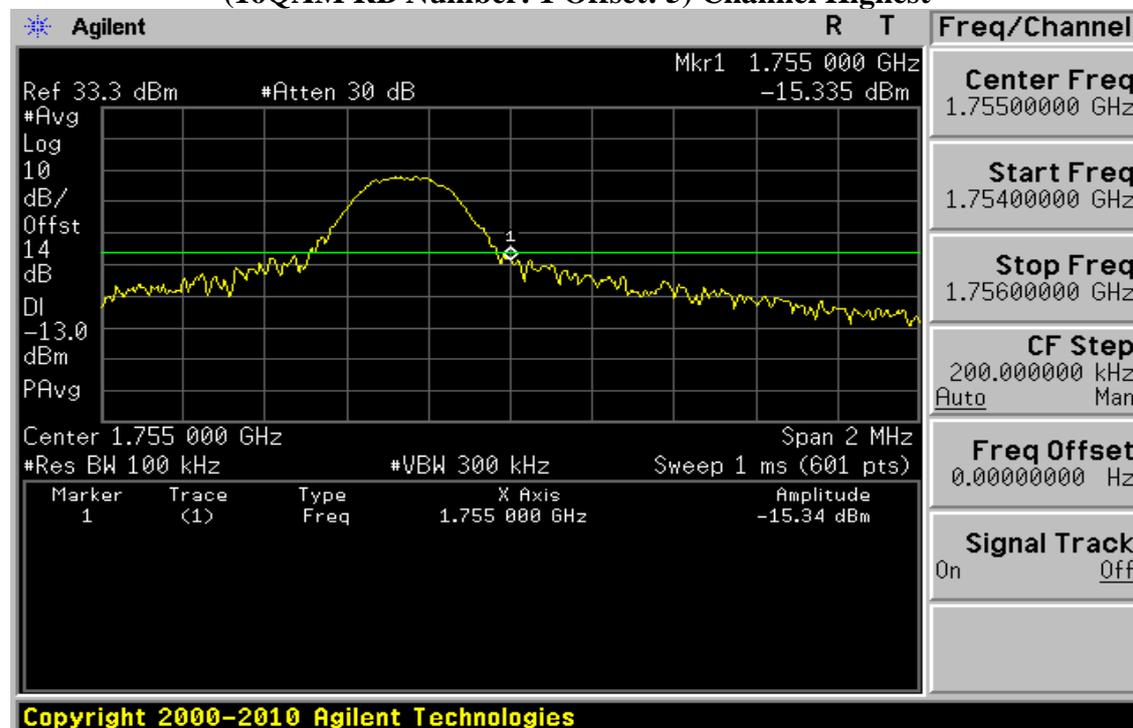


Figure 10-30: Band edge emission at antenna terminals –1.4MHz BW LTE-Band 4 (16QAM RB Number: 1 Offset: 5) Channel Highest

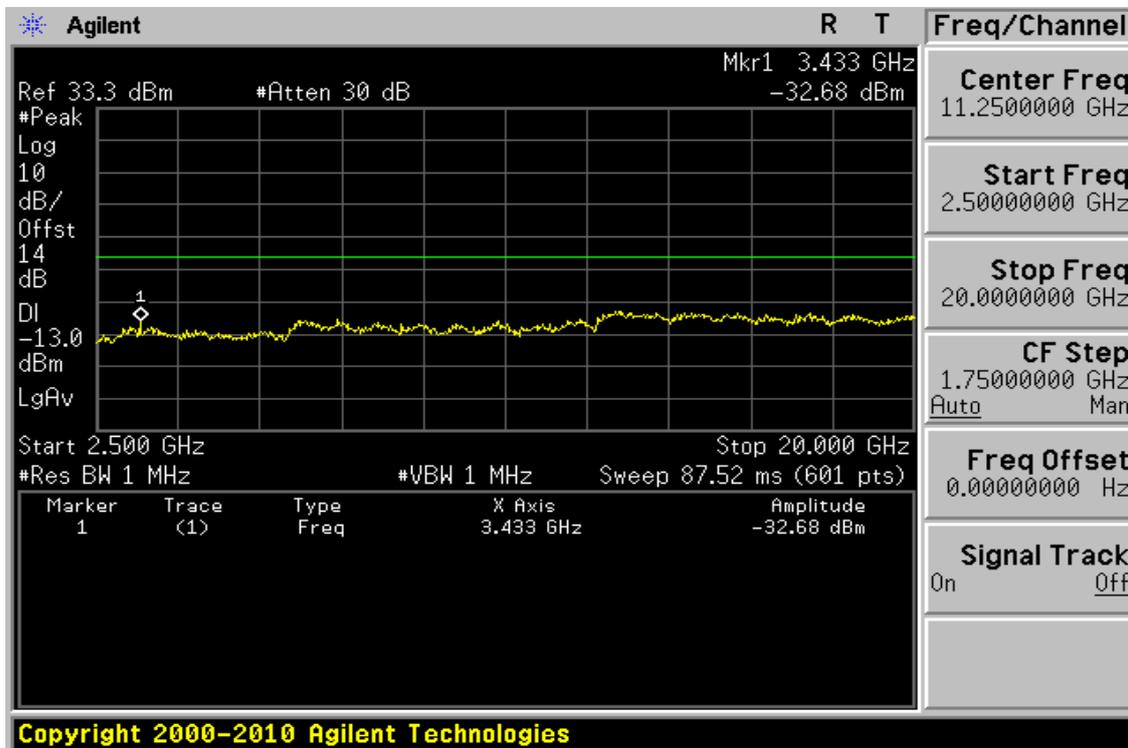
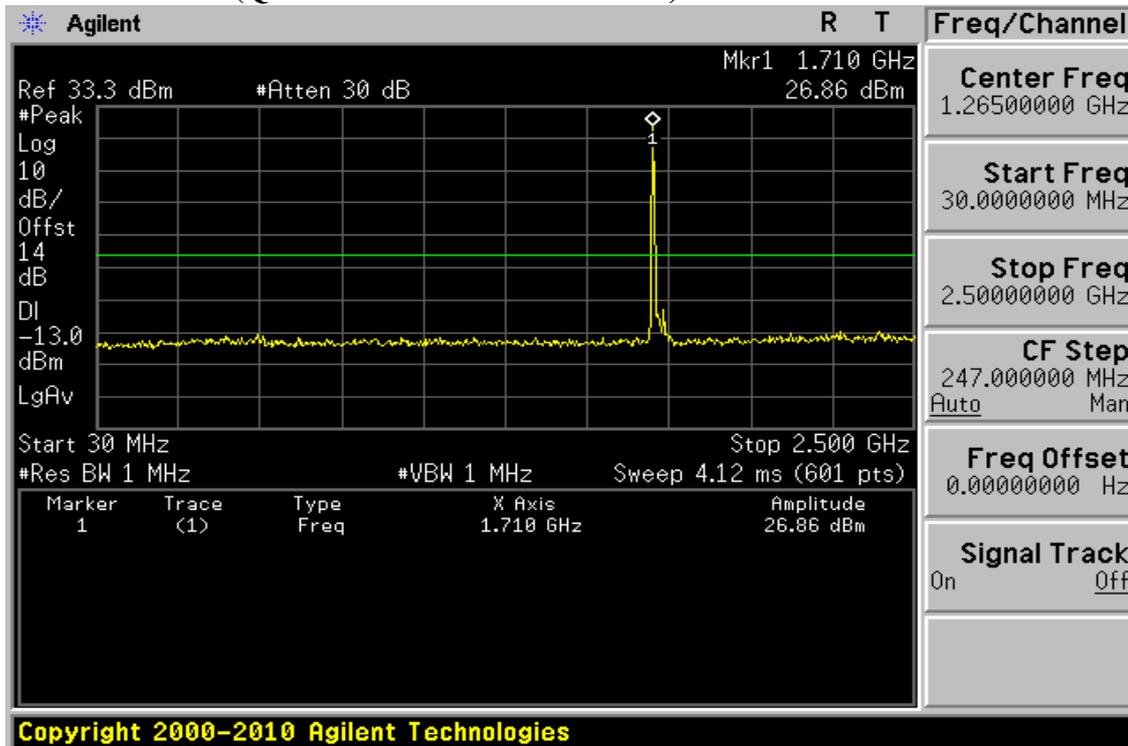


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Figure 10-31: Out of Band emission at antenna terminals-3MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Lowest

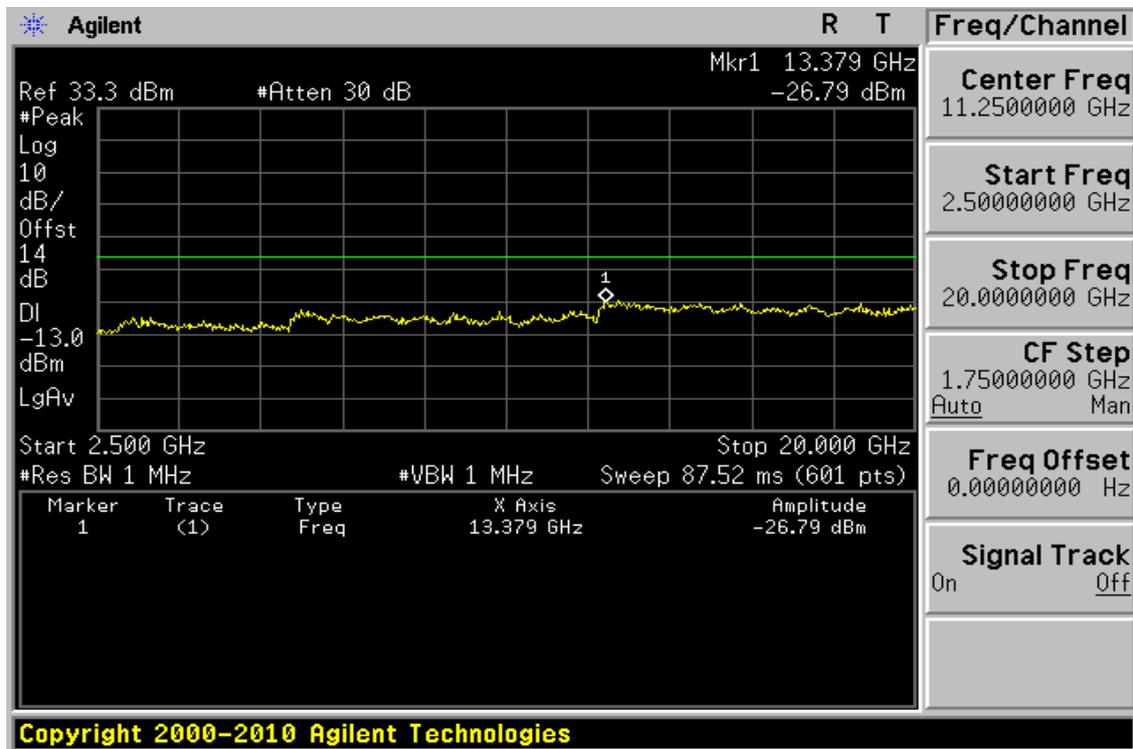
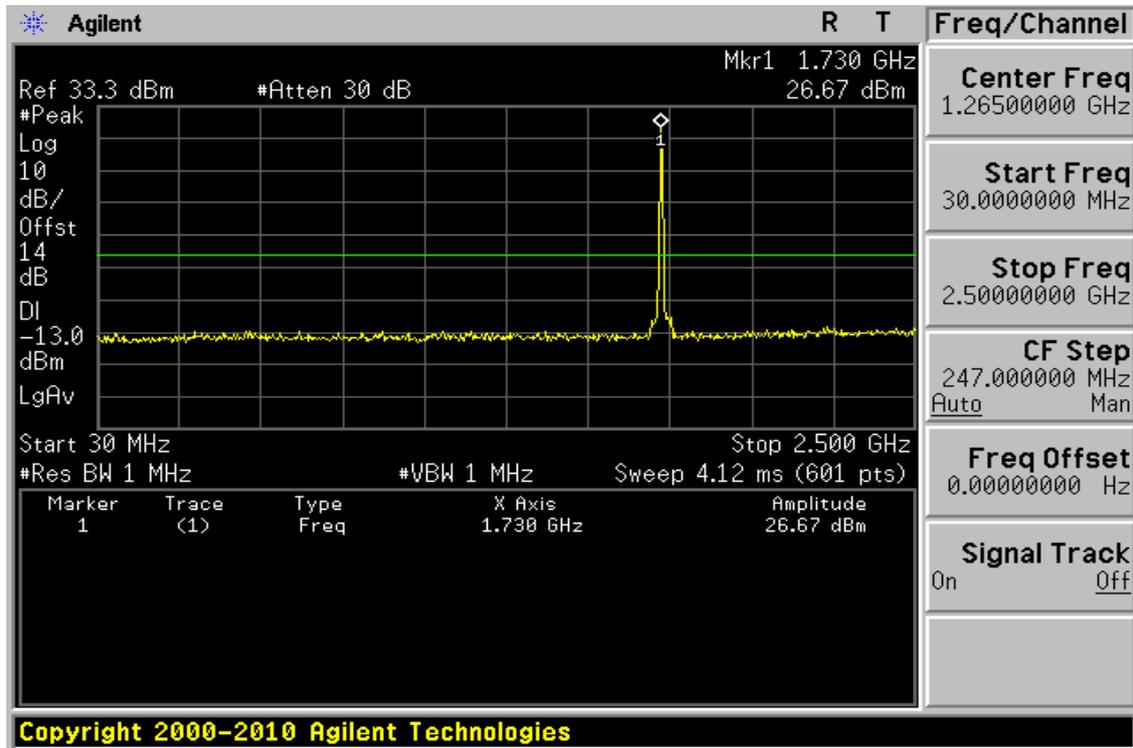


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-32: Out of Band emission at antenna terminals –3MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Mid

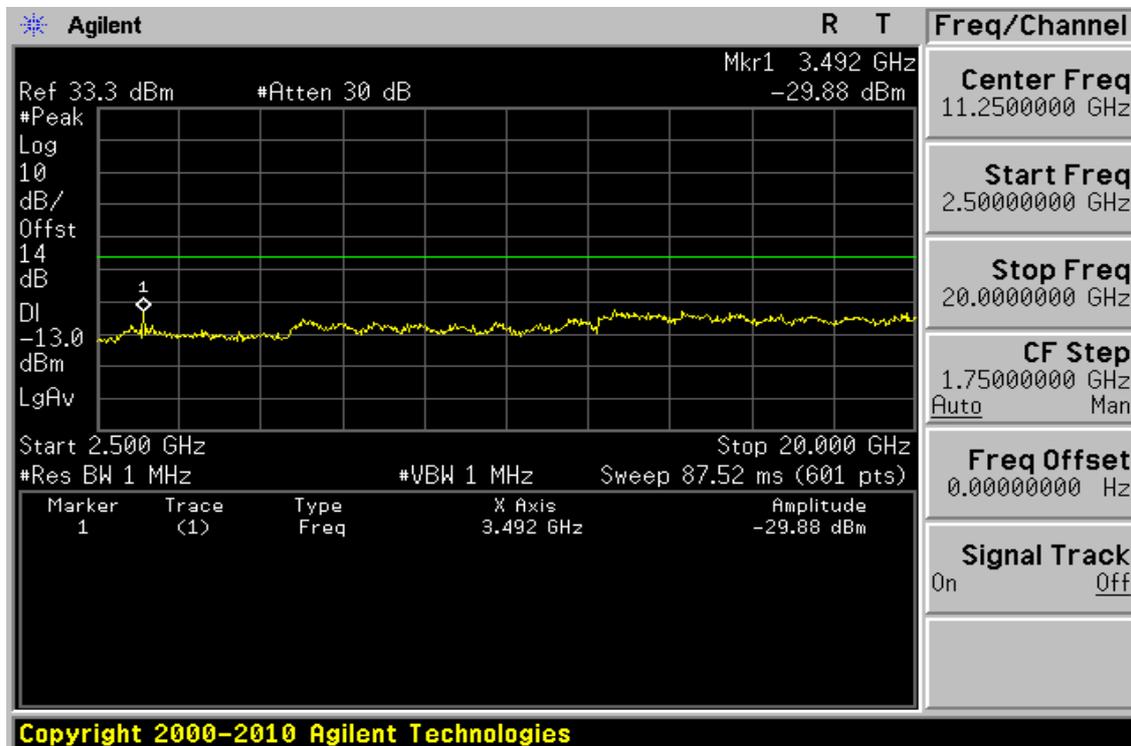
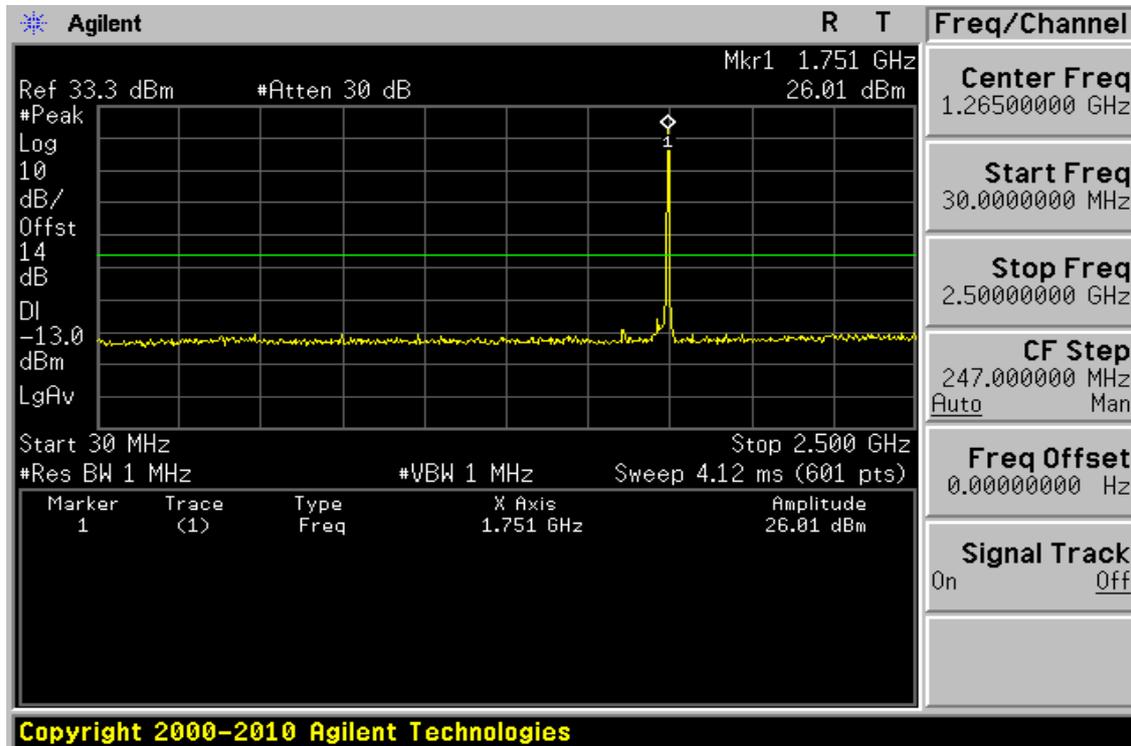


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 10-33: Out of Band emission at antenna terminals-3MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 10-34: Band edge emission at antenna terminals –3MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Lowest

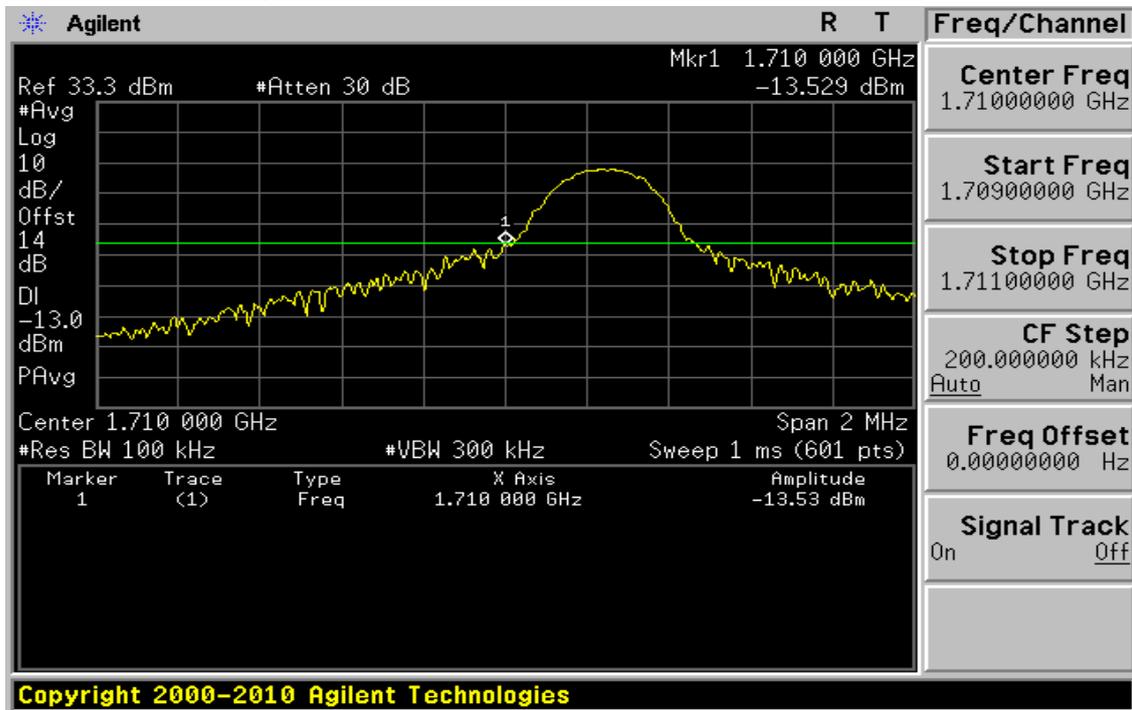
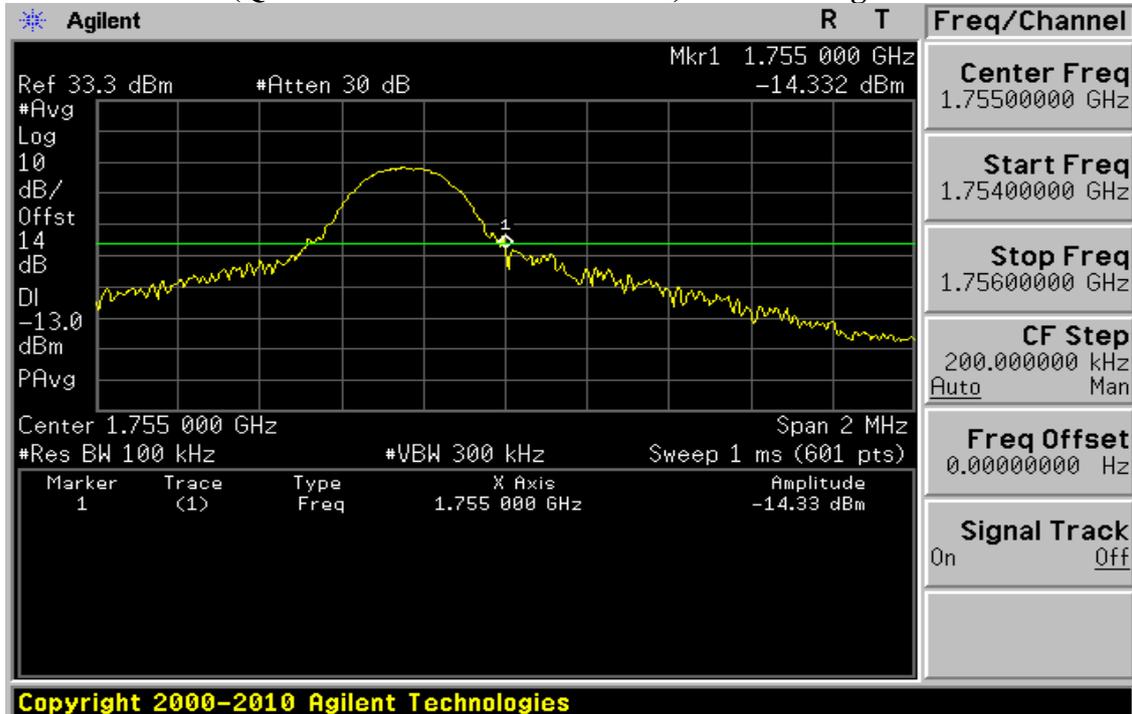


Figure 10-35: Band edge emission at antenna terminals –3MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset:14) Channel Highest

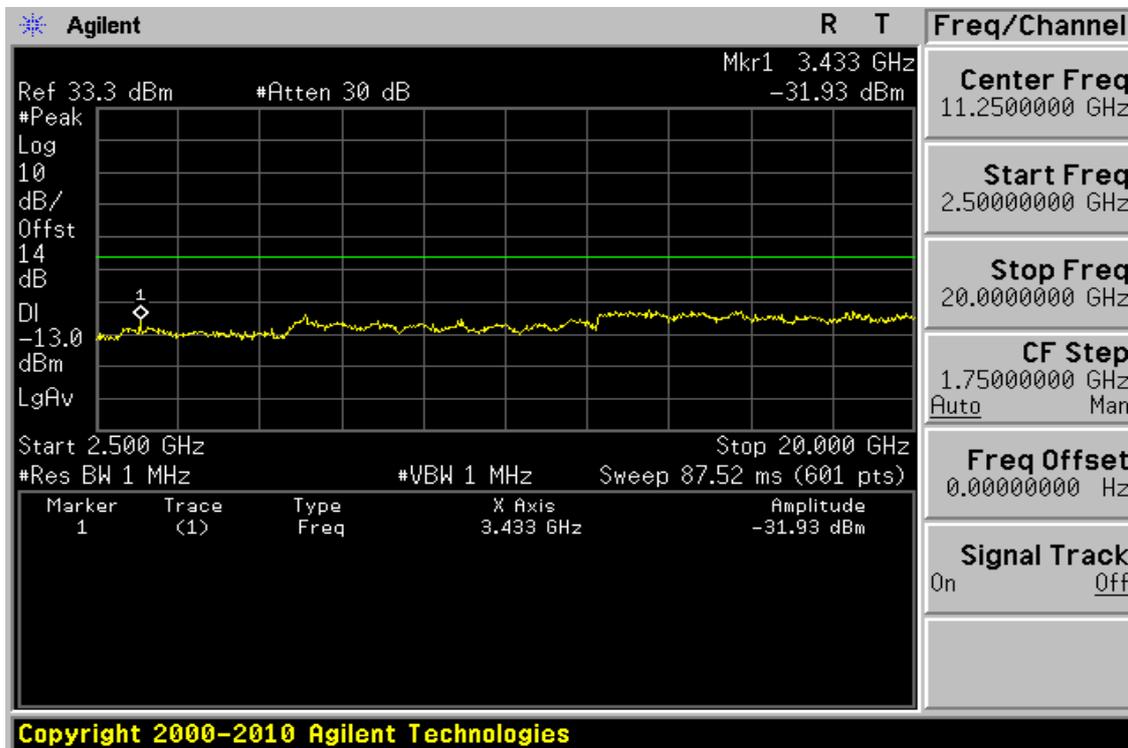
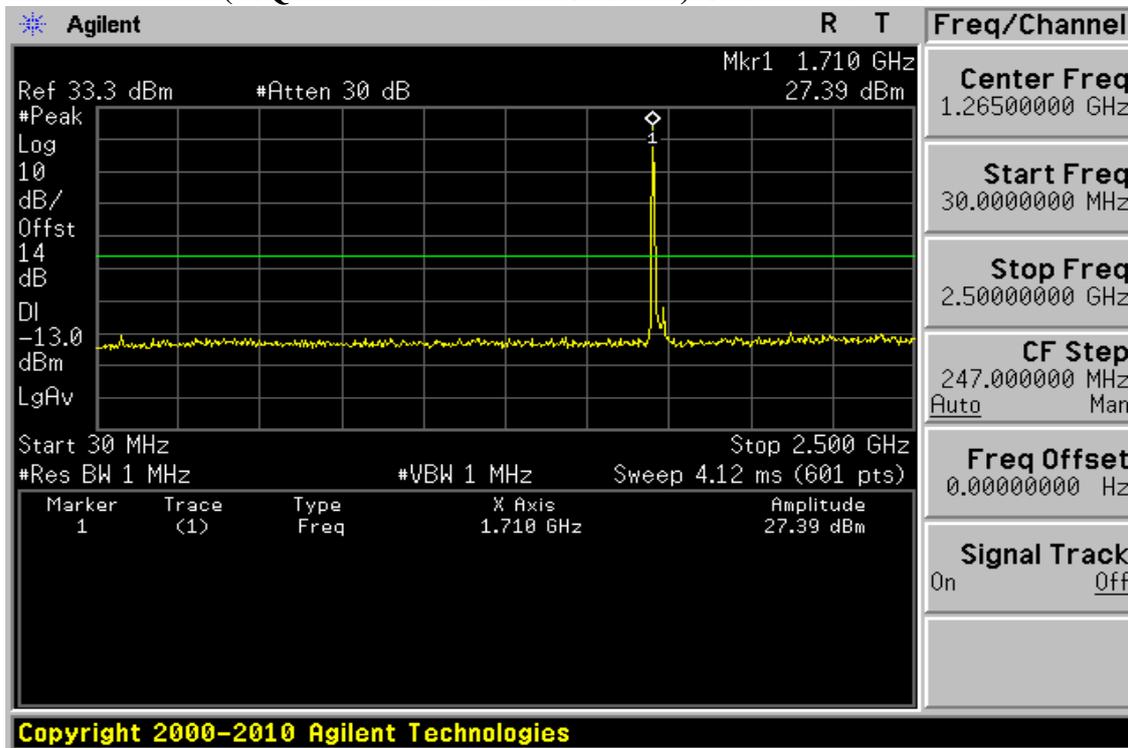


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Figure 10-36: Out of Band emission at antenna terminals-3MHz BW LTE-Band 4 (16QAM RB Number: 1 Offset: 0) Channel Lowest

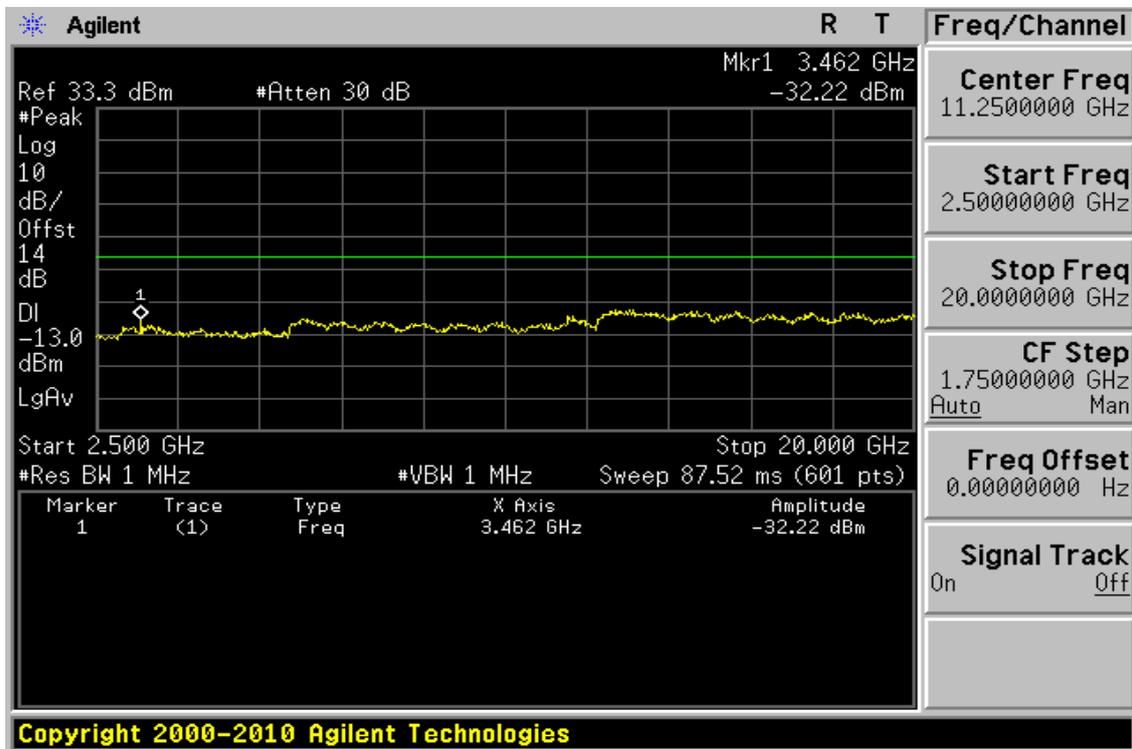
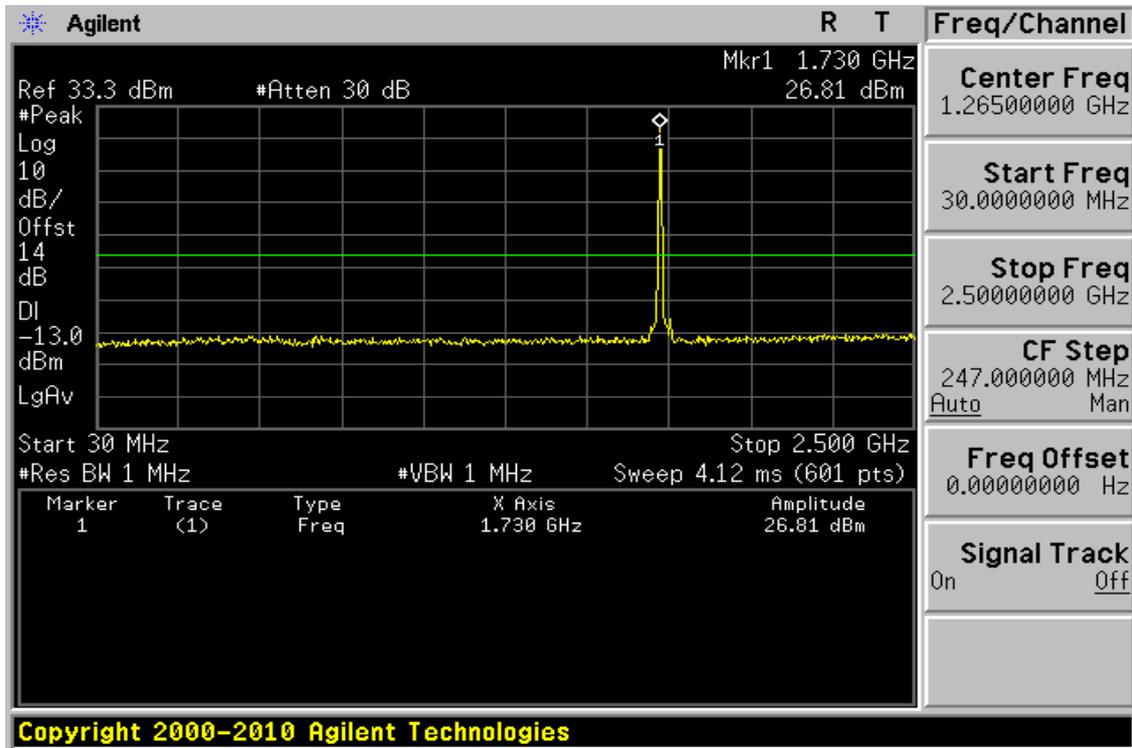


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 10-37: Out of Band emission at antenna terminals –3MHz BW LTE-Band 4 (16QAM RB Number: 1 Offset: 0) Channel Mid

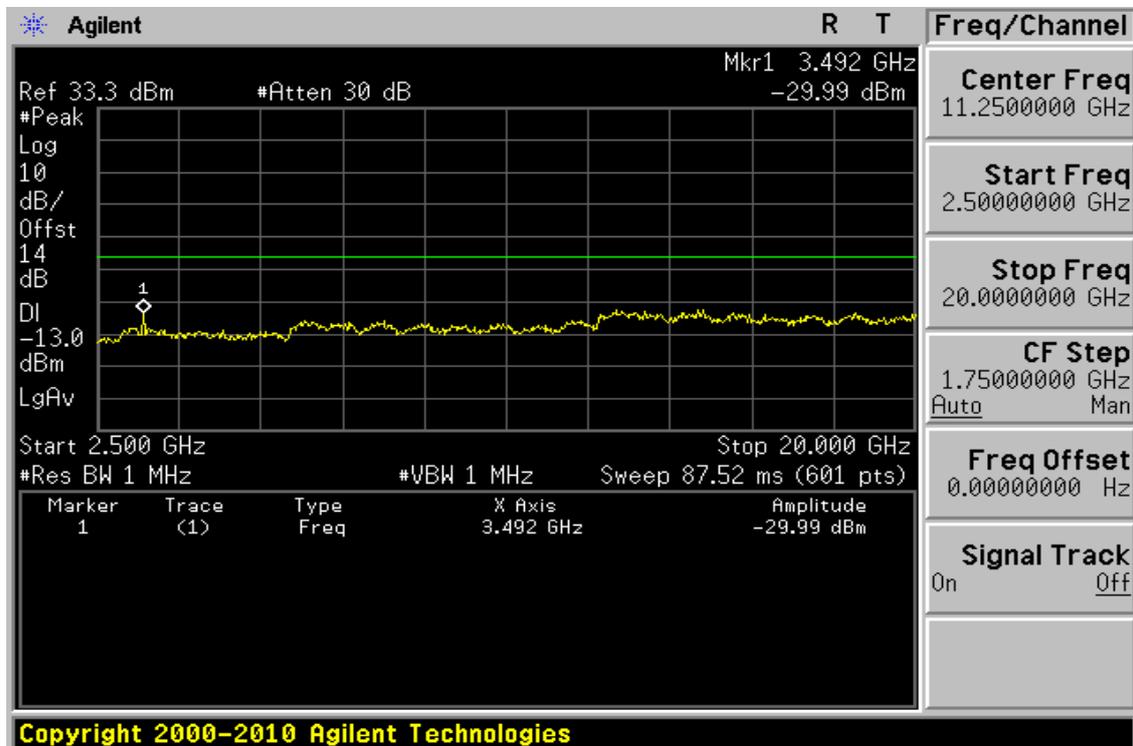
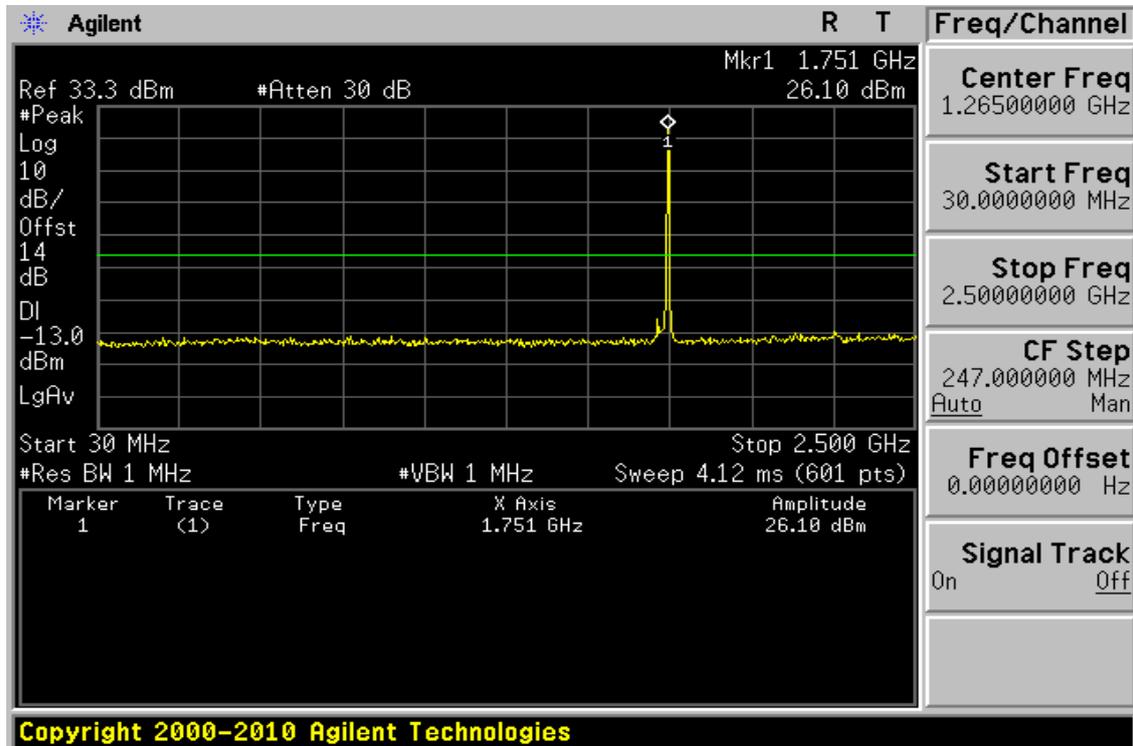


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-38: Out of Band emission at antenna terminals-3MHz BW LTE-Band 4 (16QAM RB Number: 1 Offset: 0) Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Figure 10-39: Band edge emission at antenna terminals –3MHz BW LTE-Band 4 (16QAM RB Number: 1 Offset: 0) Channel Lowest

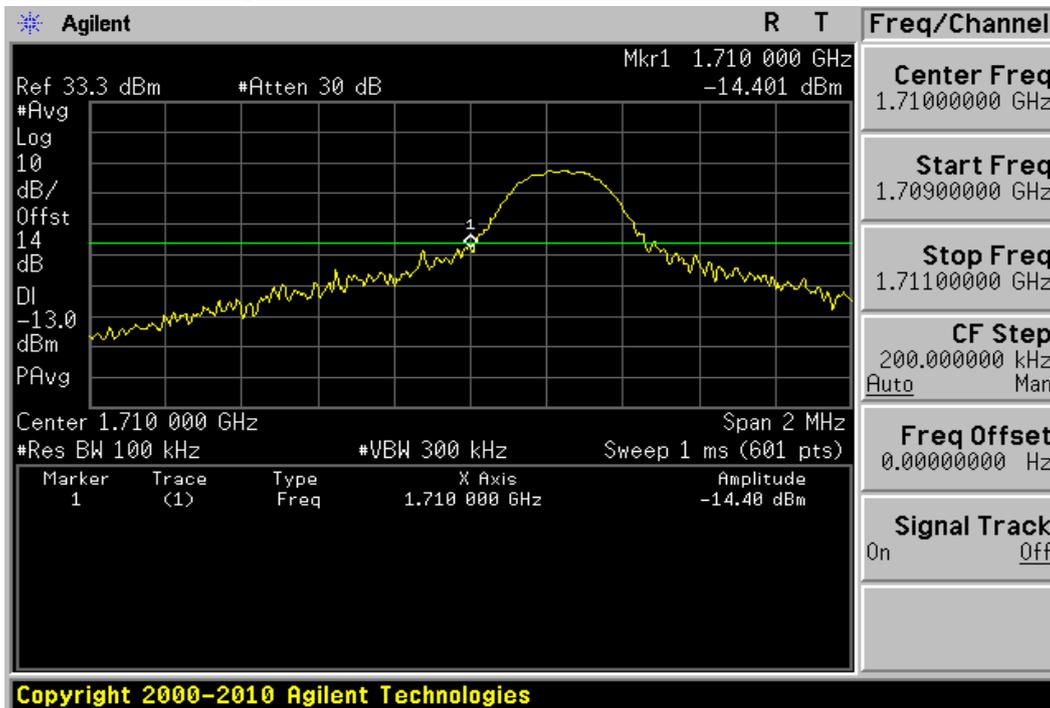
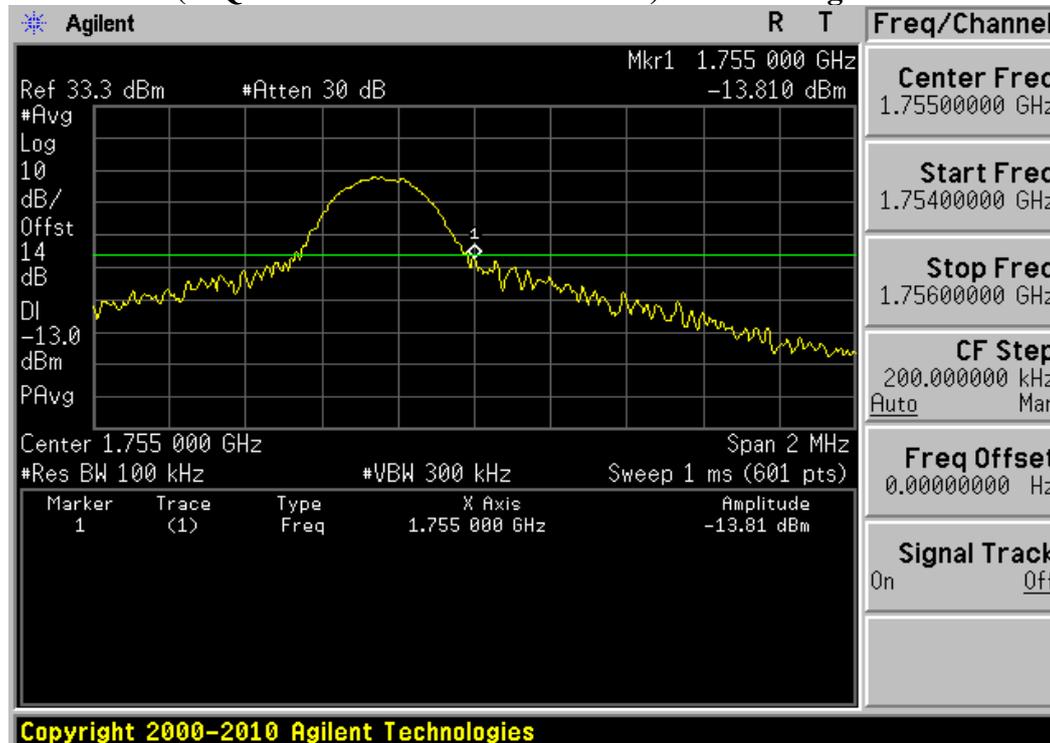


Figure 10-40: Band edge emission at antenna terminals –3MHz BW LTE-Band 4 (16QAM RB Number: 1 Offset: 14) Channel Highest

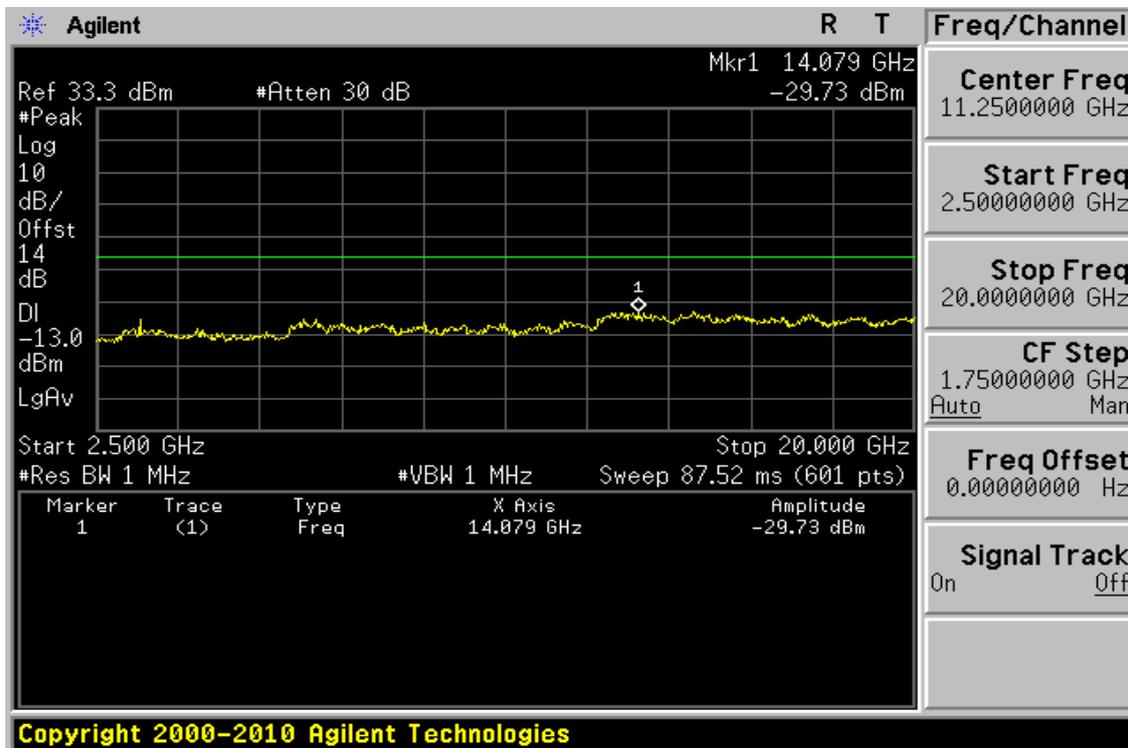
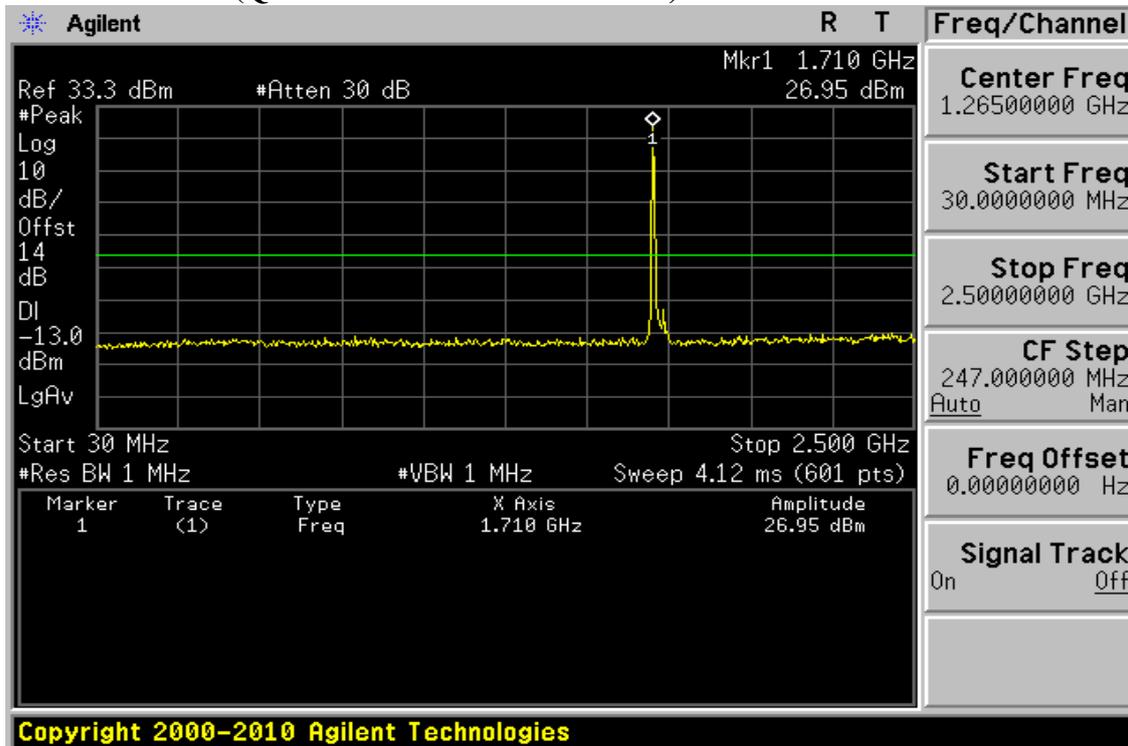


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-41: Out of Band emission at antenna terminals-5MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Lowest

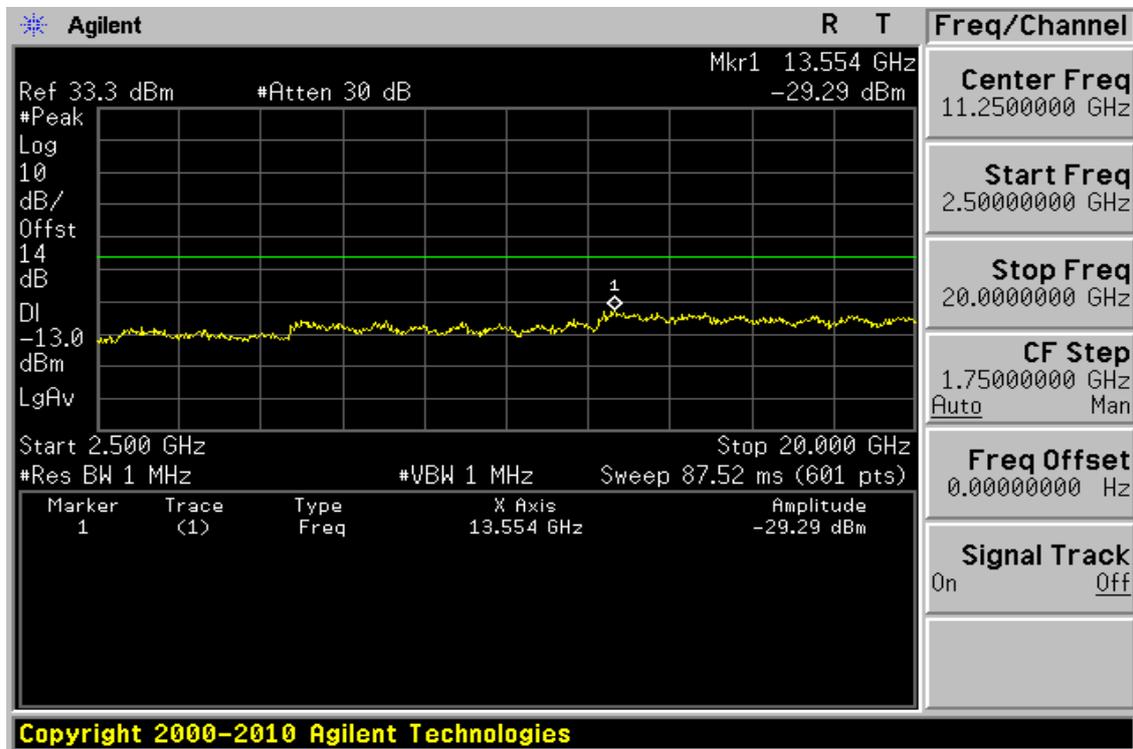
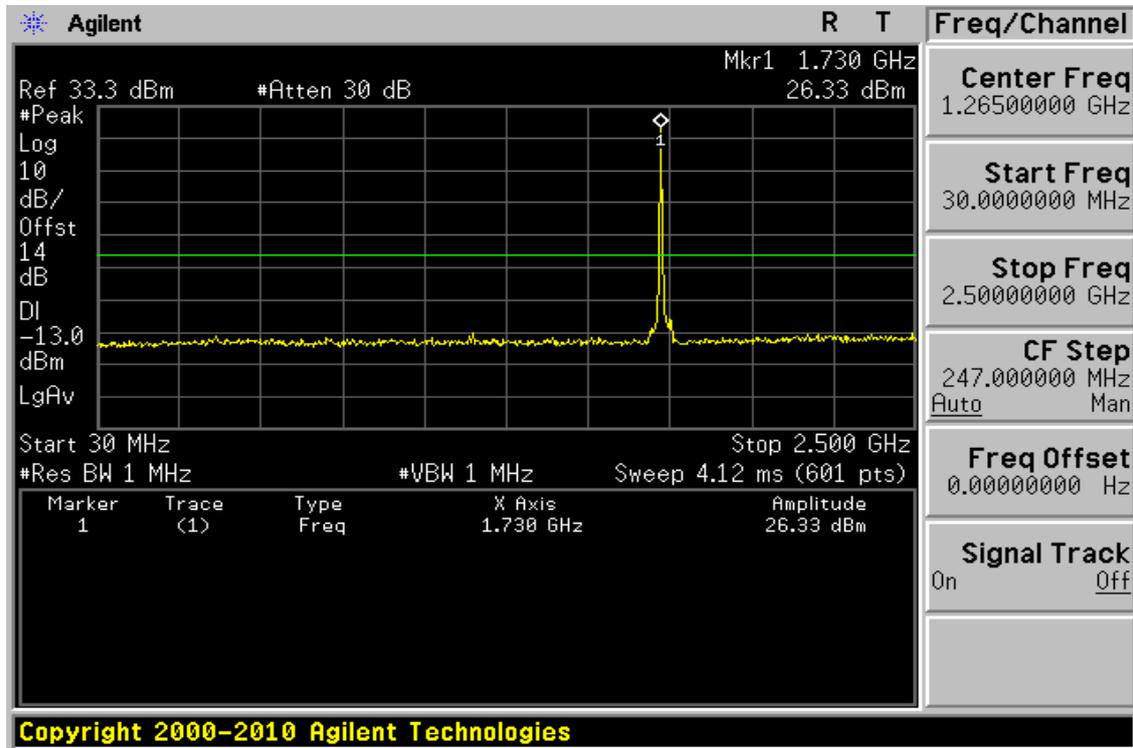


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-42: Out of Band emission at antenna terminals –5MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Mid

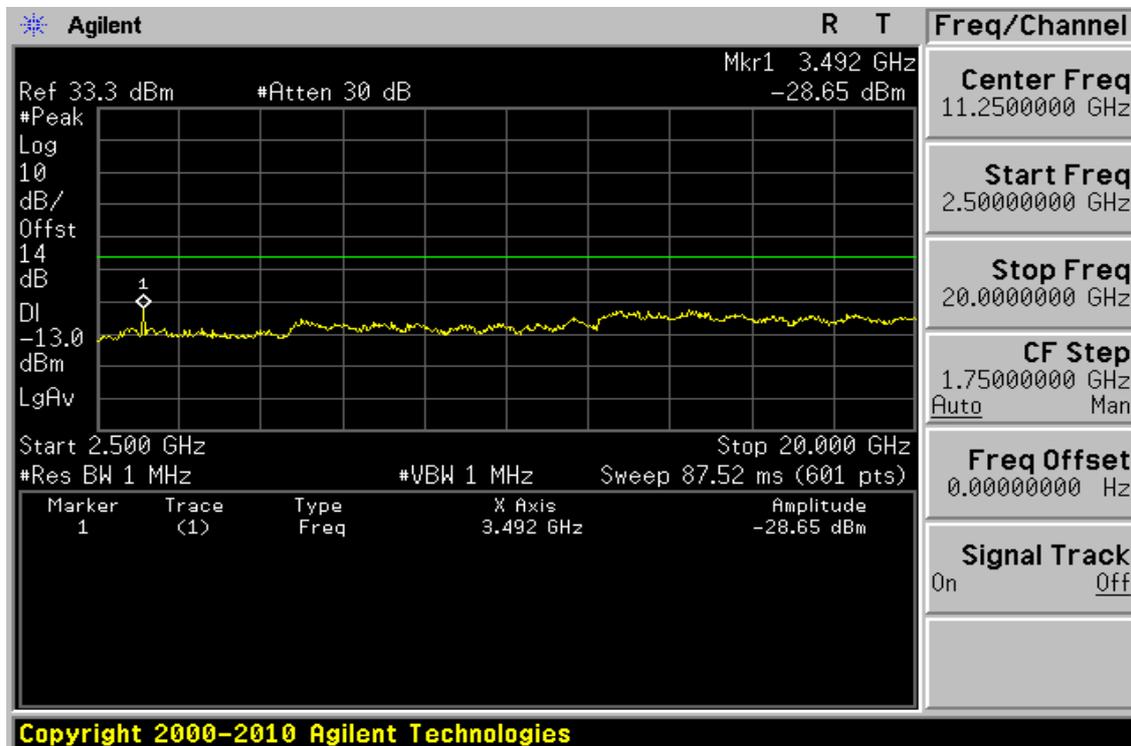
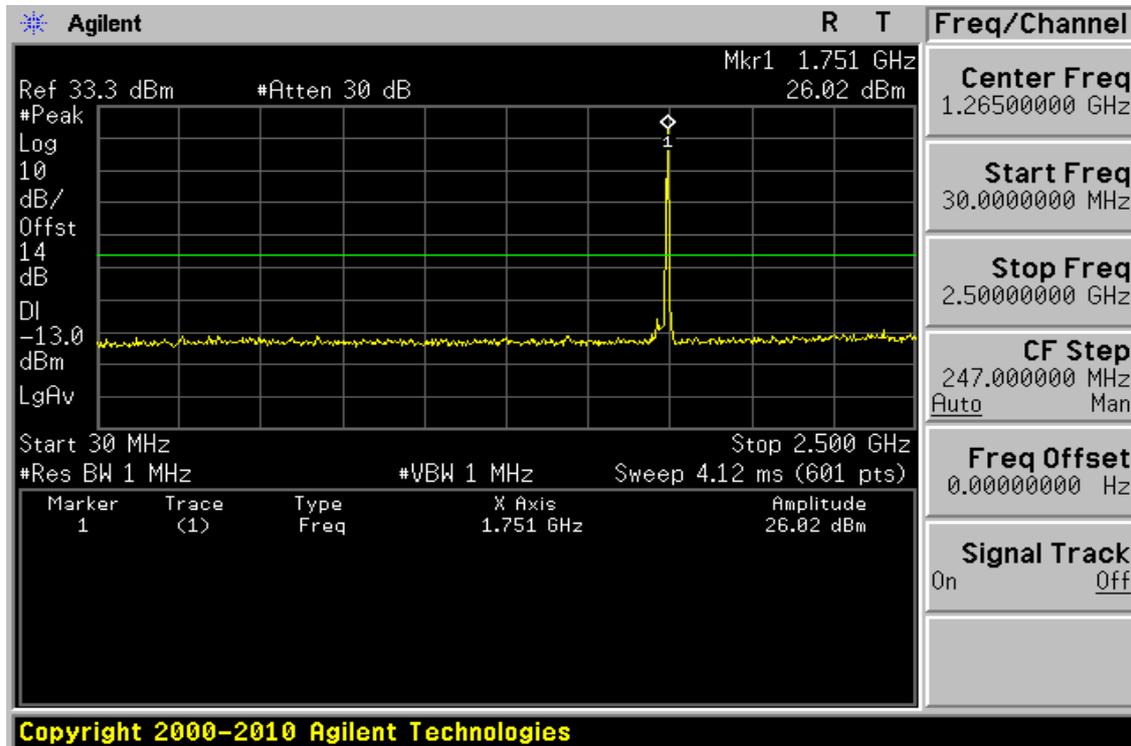


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, WuKungRoad, NewTaipeiIndustrialPark, WukuDistrict, NewTaipeiCity, Taiwan24803/新北市五股區新北產業園區五工路 134 號

Figure 10-43: Out of Band emission at antenna terminals-5MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 10-44: Band edge emission at antenna terminals –5MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Lowest

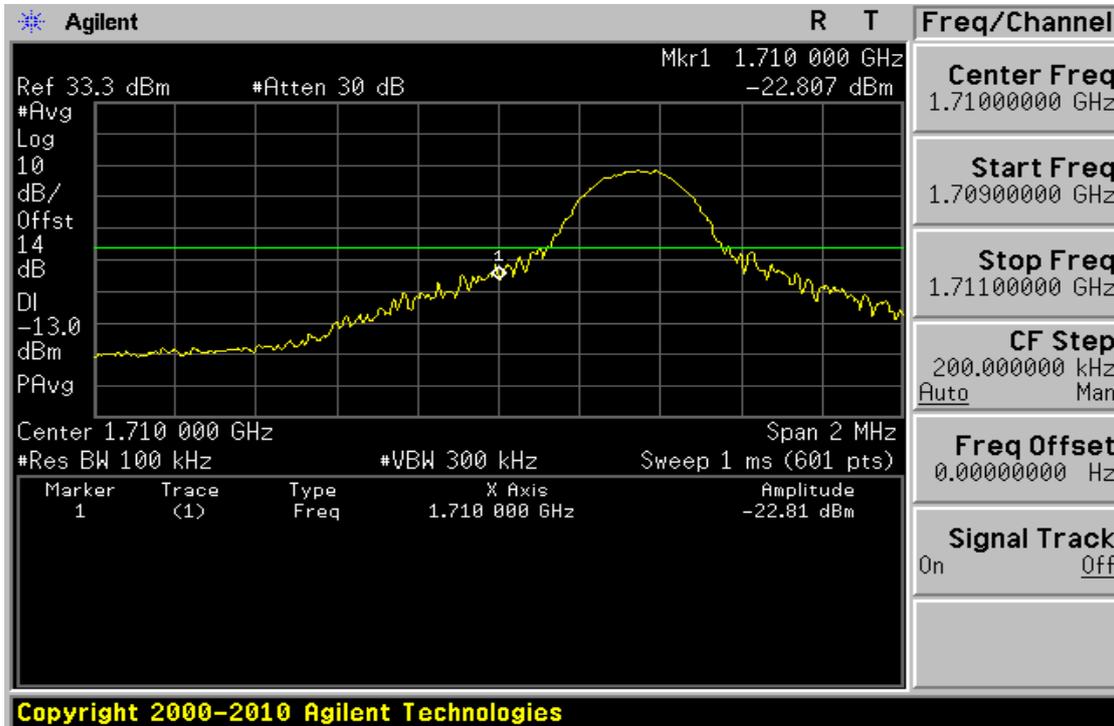
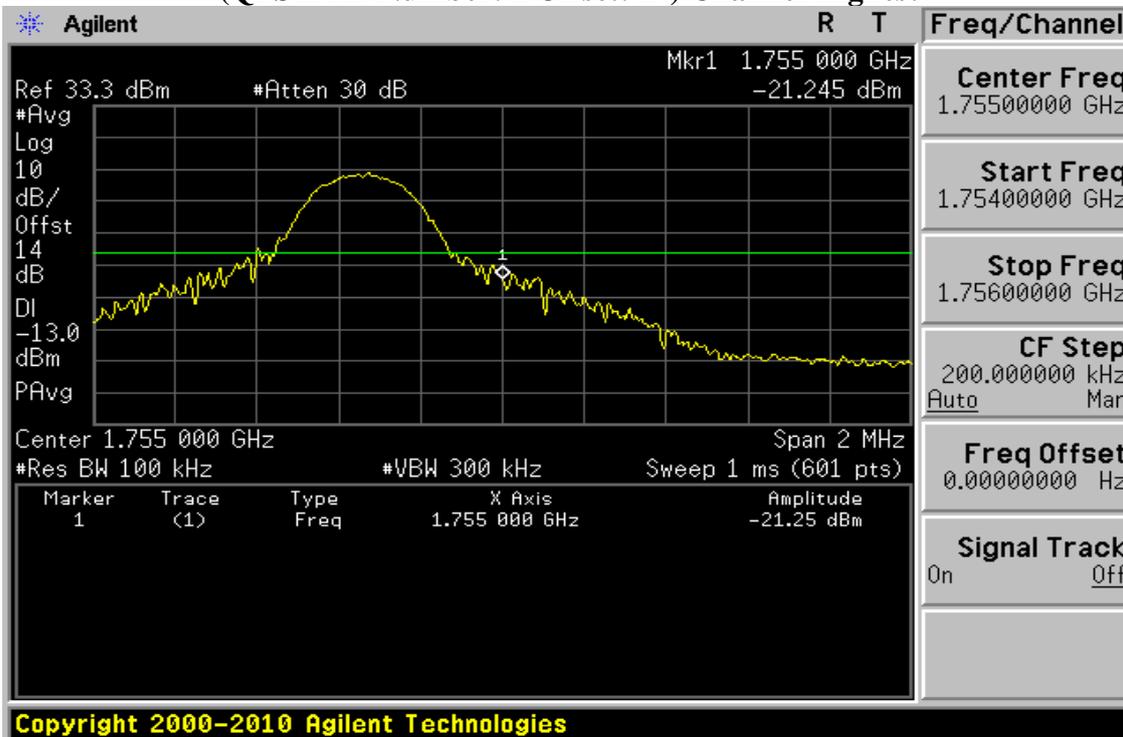


Figure 10-45: Band edge emission at antenna terminals –5MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 24) Channel Highest

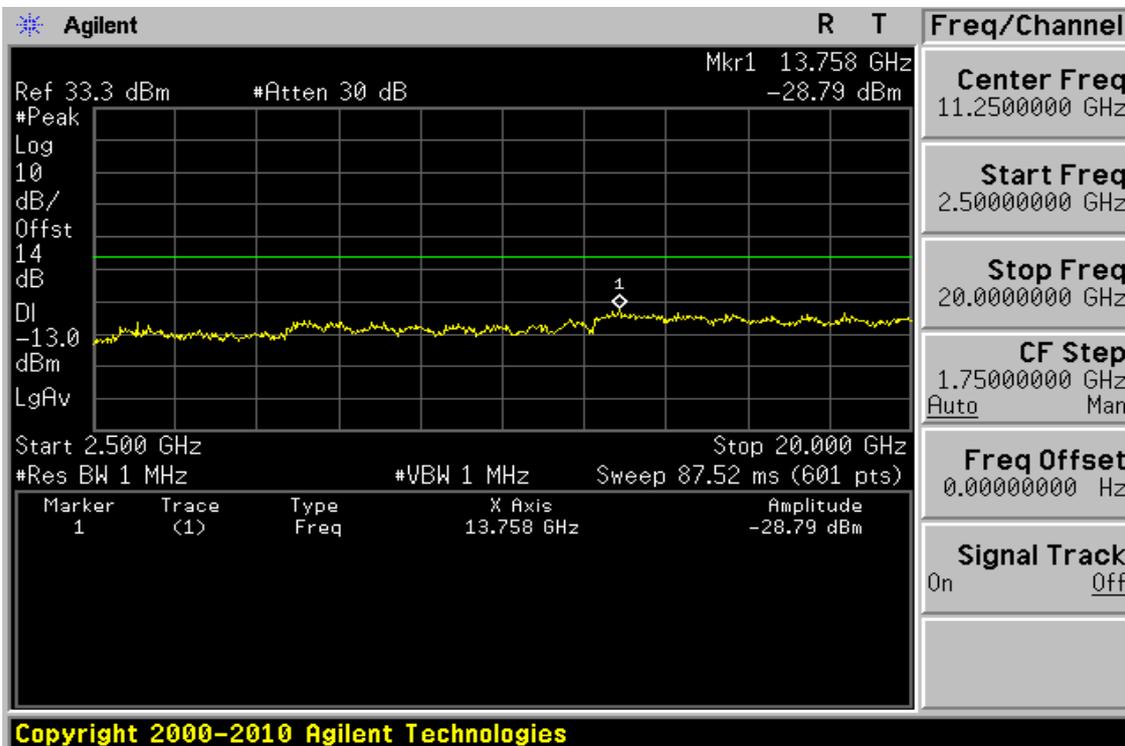
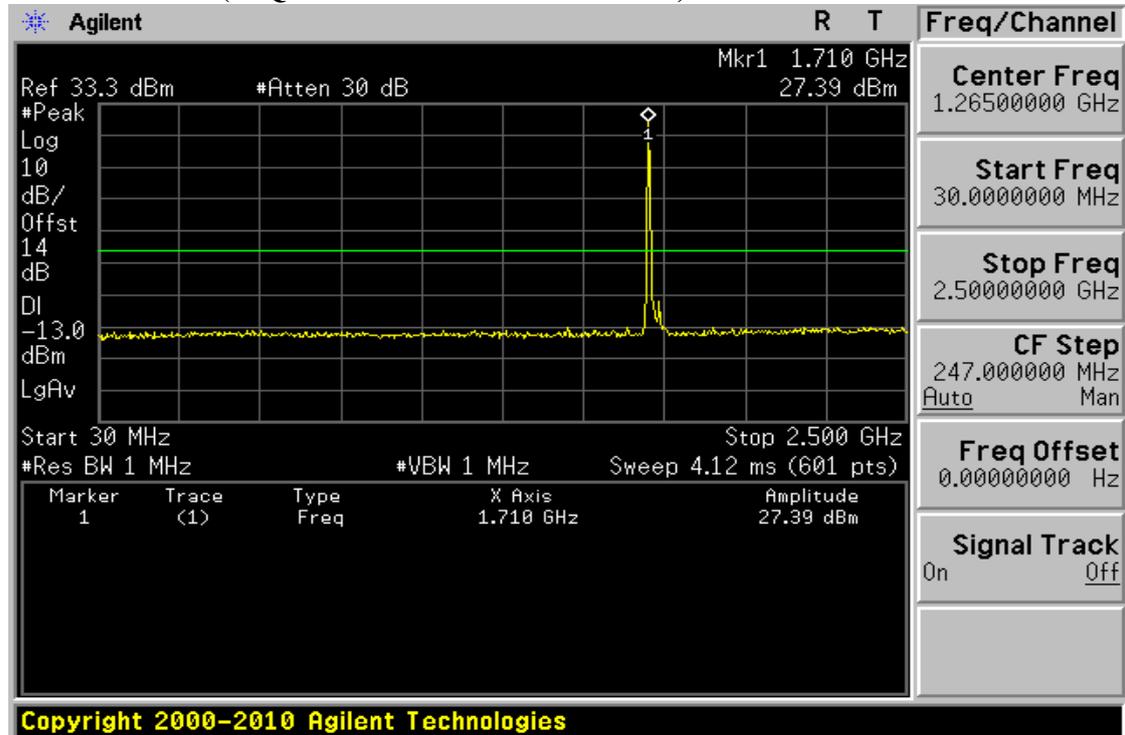


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-46: Out of Band emission at antenna terminals–5MHz BW LTE-Band 4 (16QAM RB Number: 1 Offset: 0) Channel Lowest

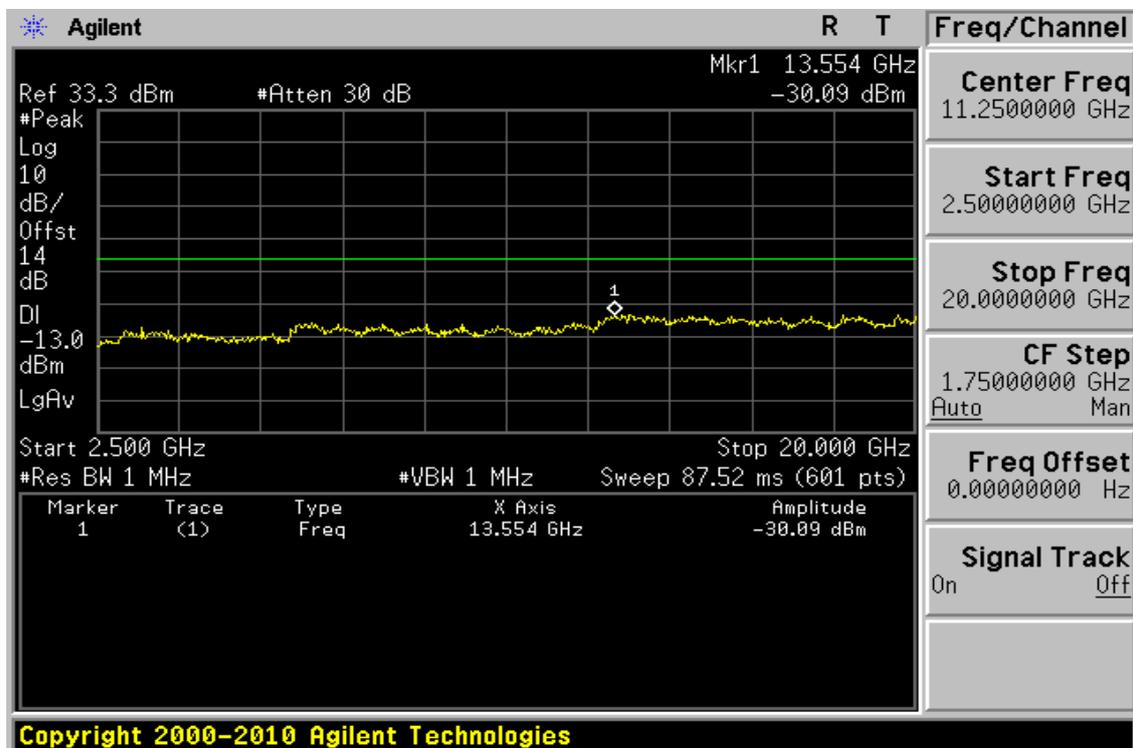
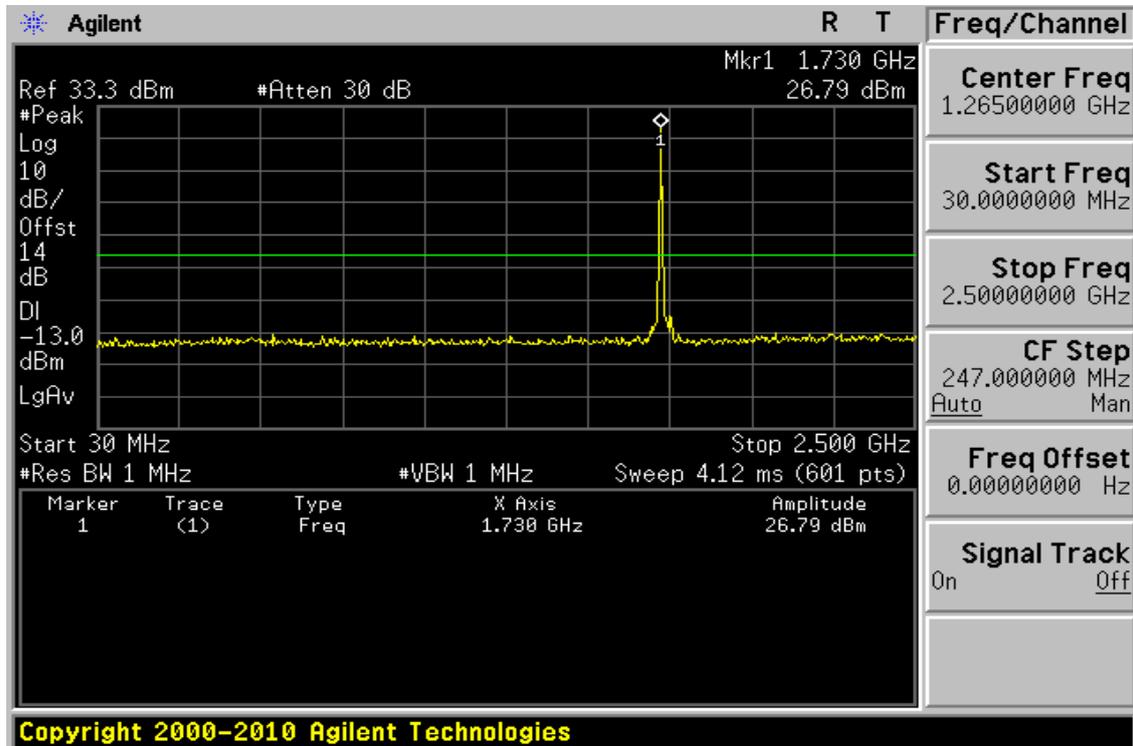


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-47: Out of Band emission at antenna terminals –5MHz BW LTE-Band 4 (16QAM RB Number: 1 Offset: 0) Channel Mid

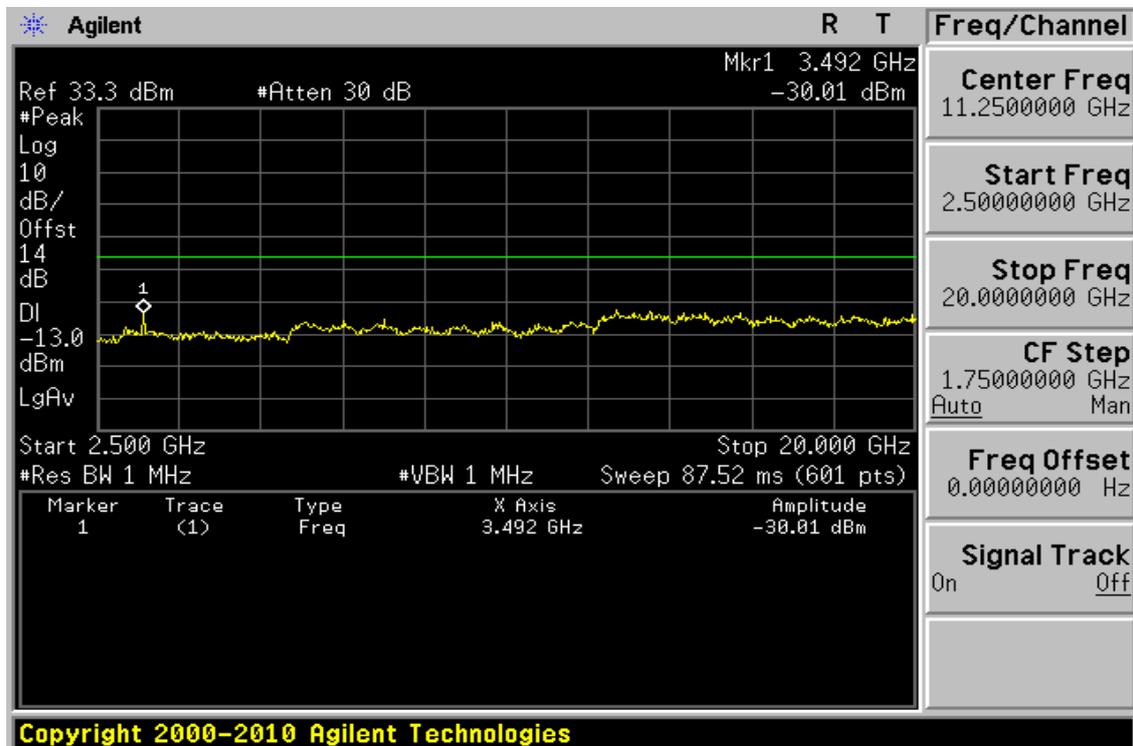
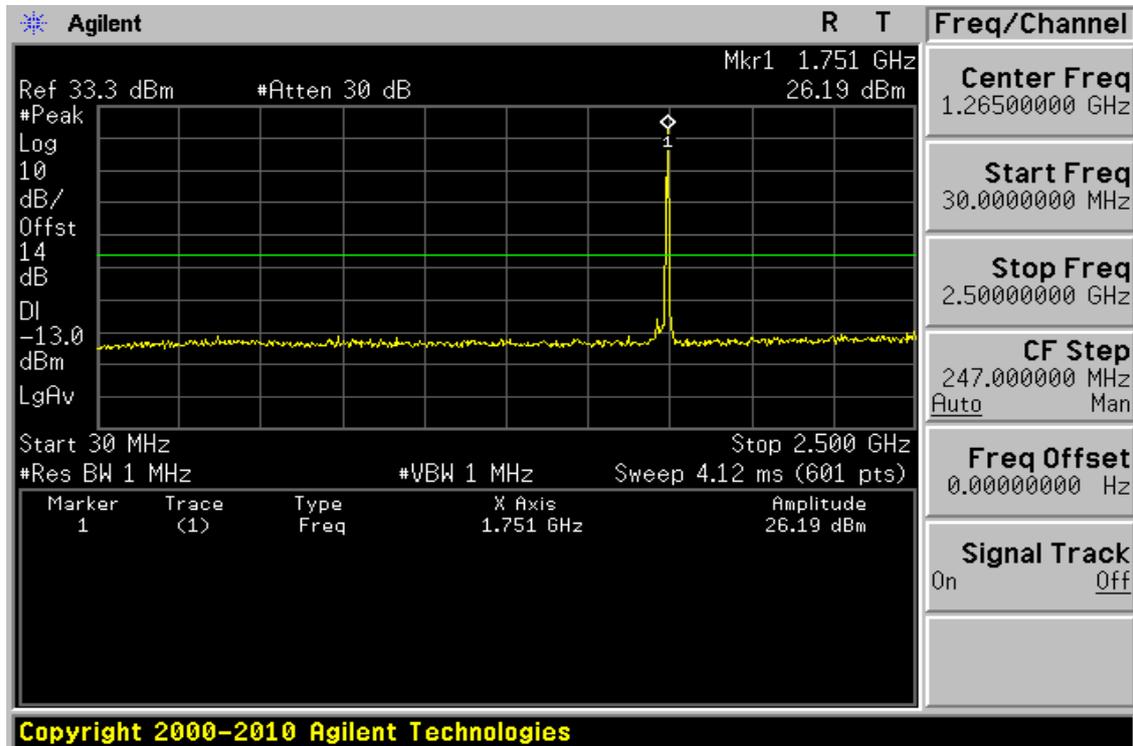


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Figure 10-48: Out of Band emission at antenna terminals-5MHz BW LTE-Band 4 (16QAM RB Number: 1 Offset: 0) Channel Highest

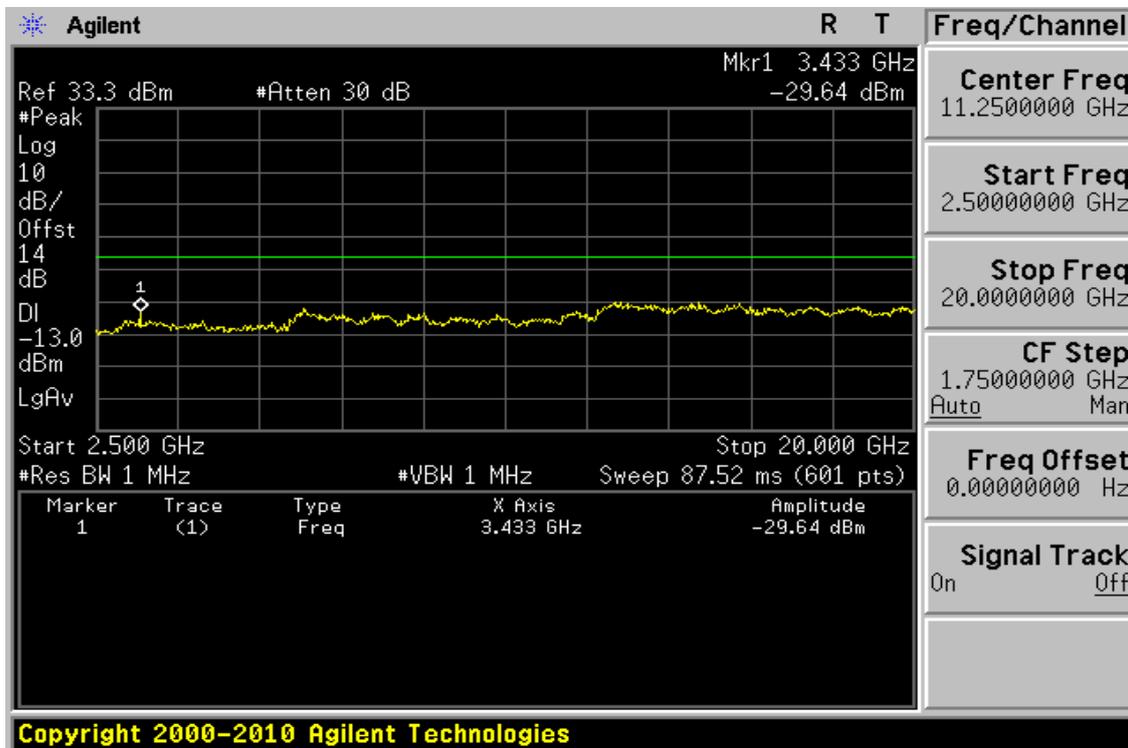
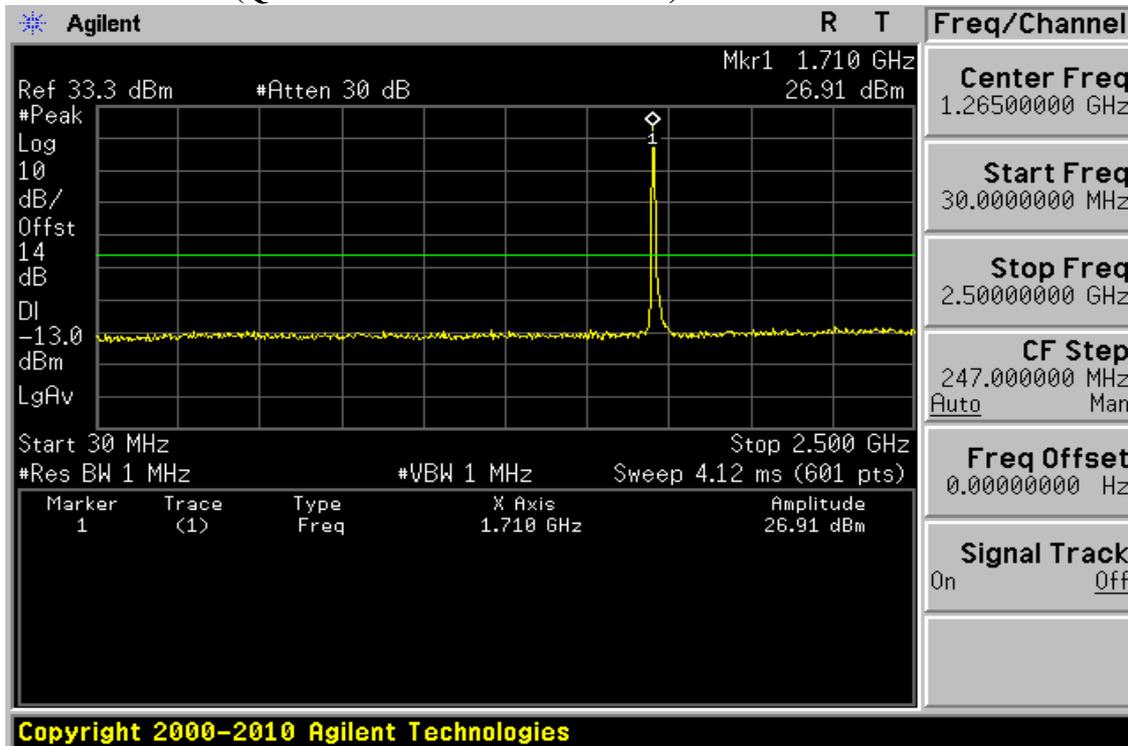


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 10-51: Out of Band emission at antenna terminals-10MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Lowest

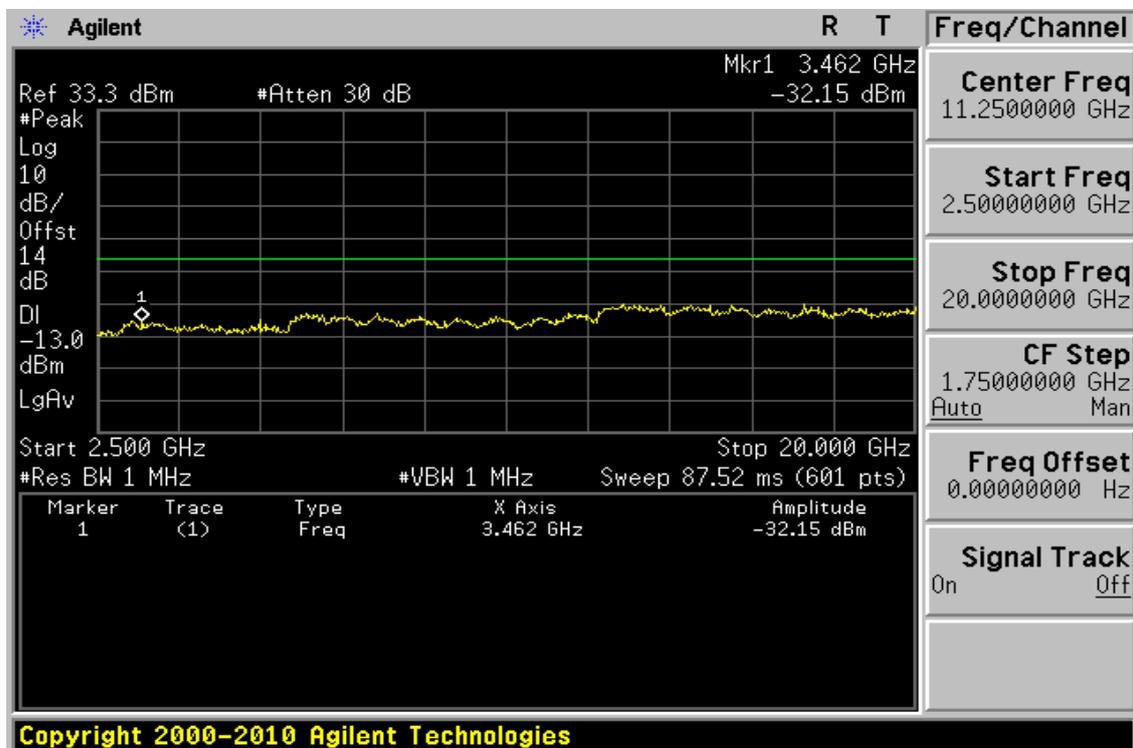
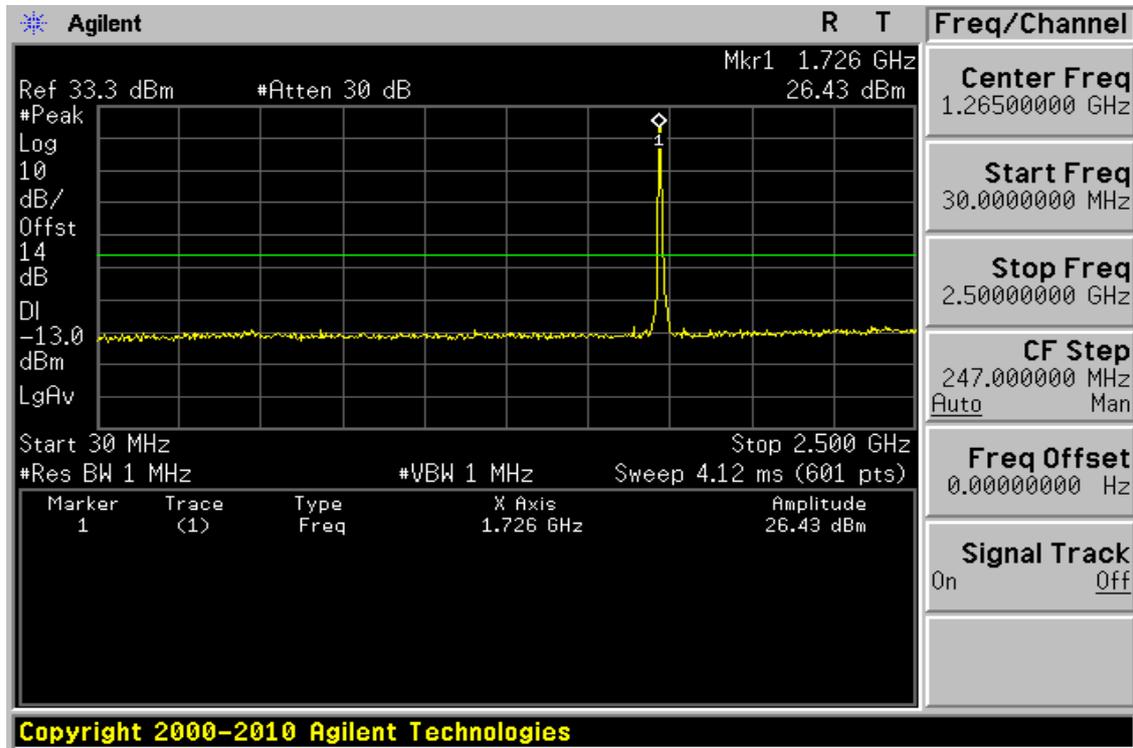


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-52: Out of Band emission at antenna terminals –10MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Mid

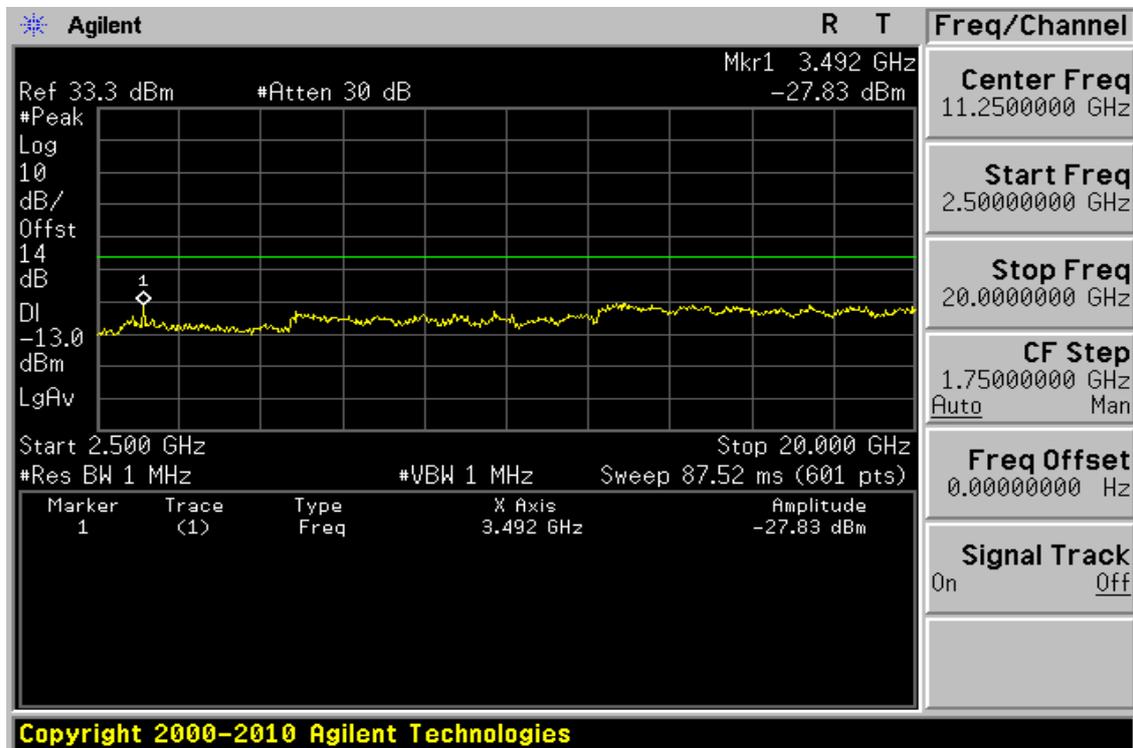
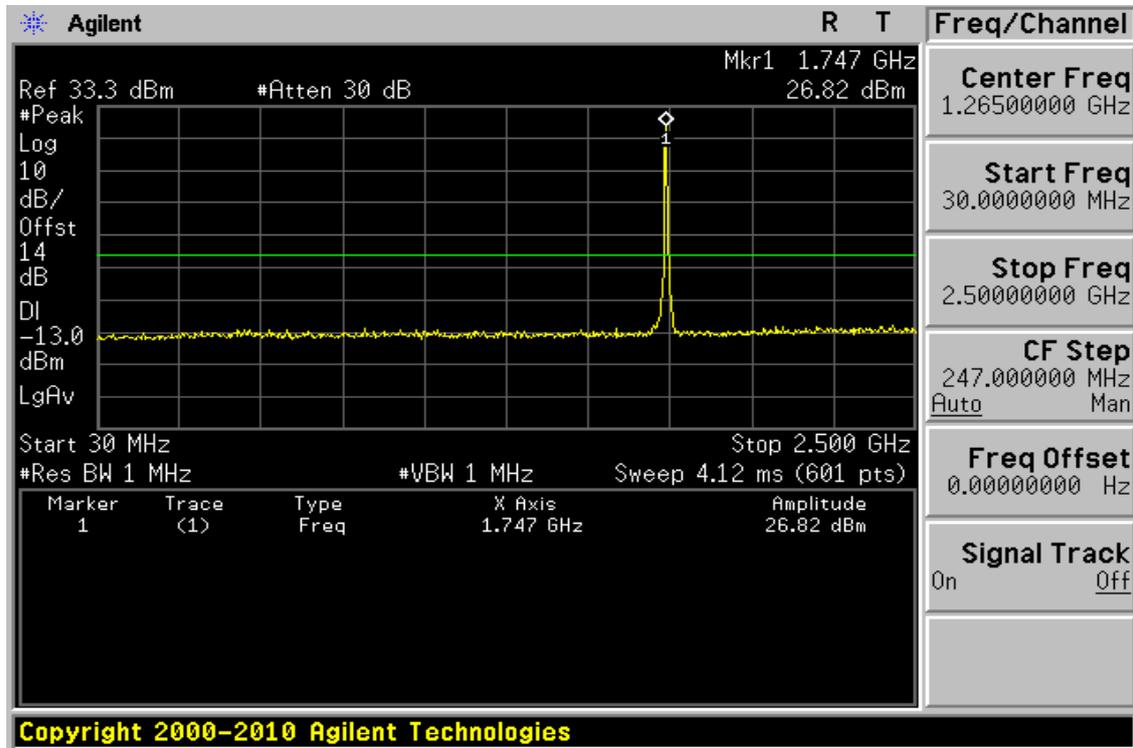


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-53: Out of Band emission at antenna terminals–10MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Figure 10-54: Band edge emission at antenna terminals –10MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Lowest

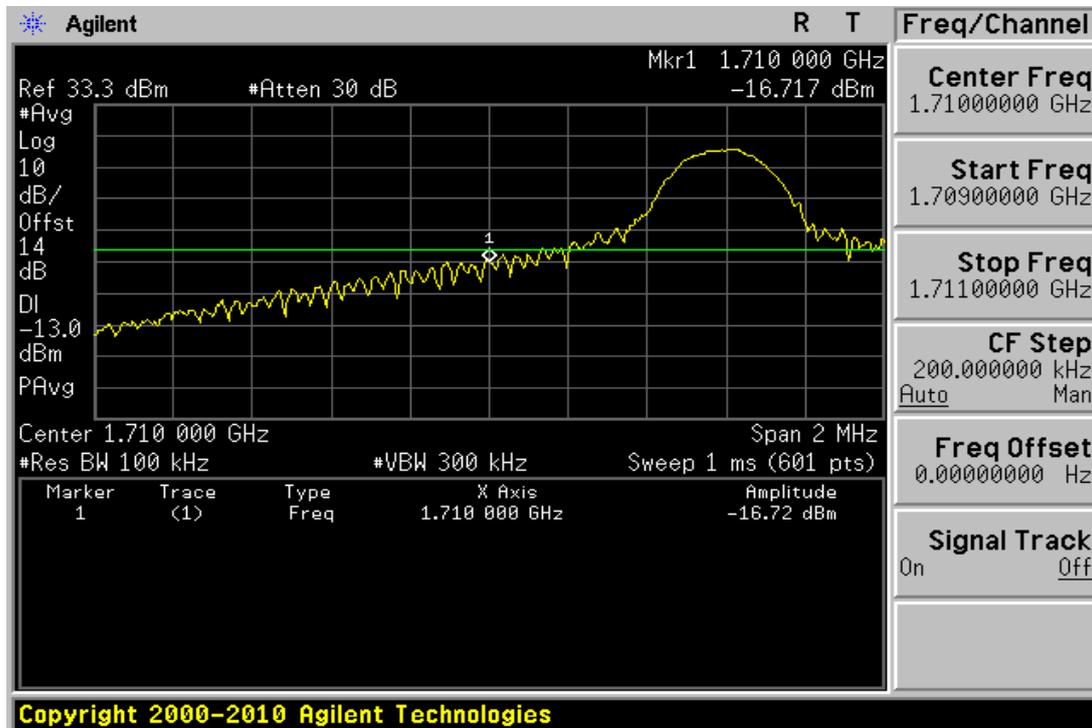
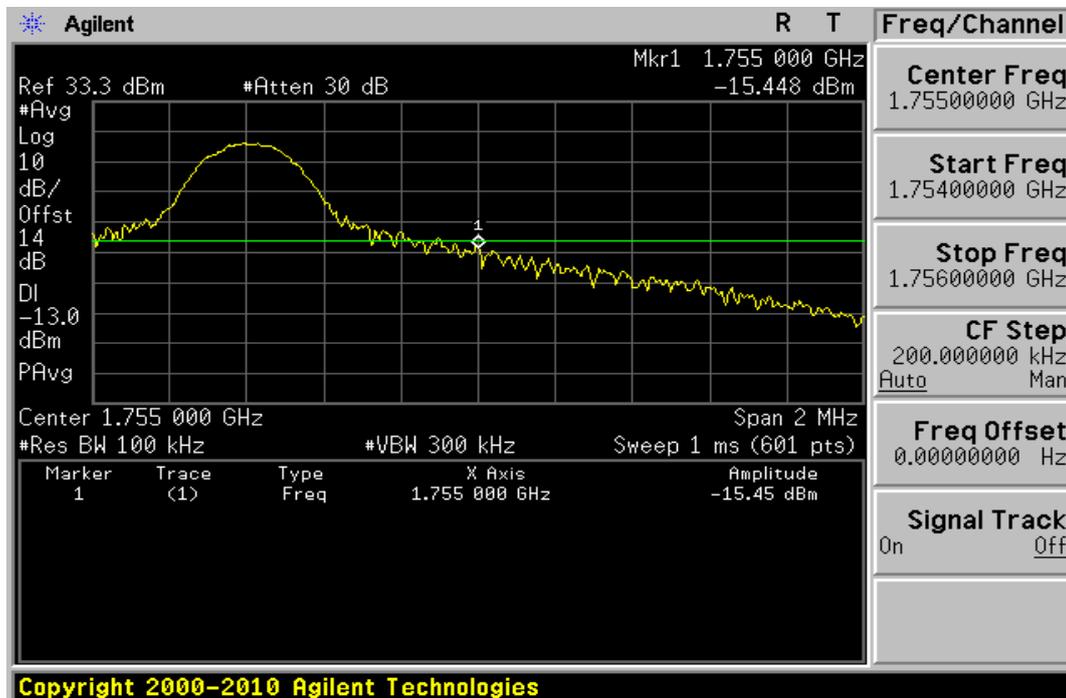


Figure 10-55: Band edge emission at antenna terminals –10MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset:49) Channel Highest

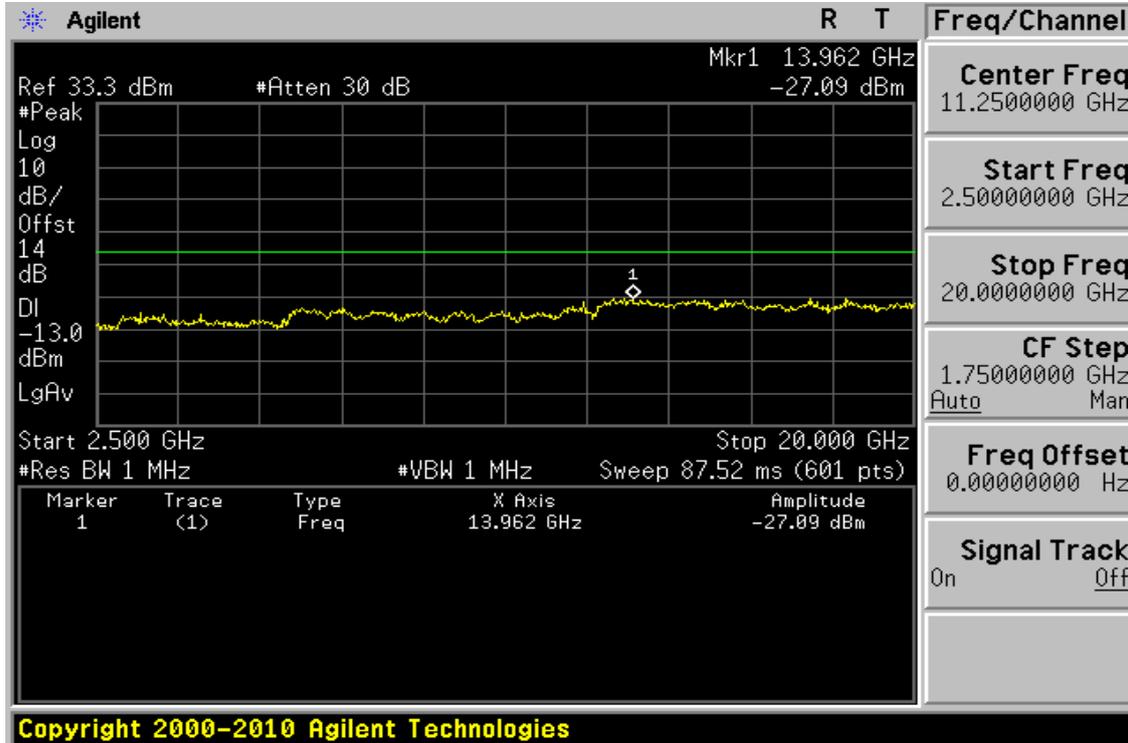
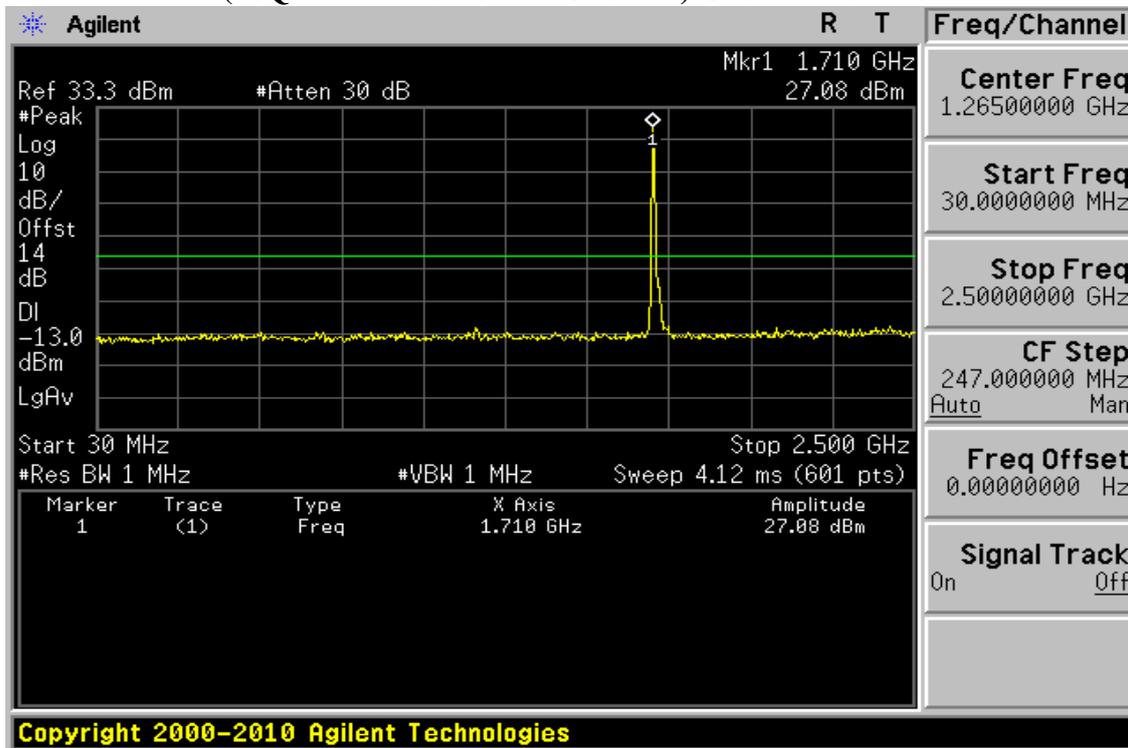


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 10-56: Out of Band emission at antenna terminals–10MHz BW LTE-Band 4 (16QAM RB Number: 1 Offset: 0) Channel Lowest

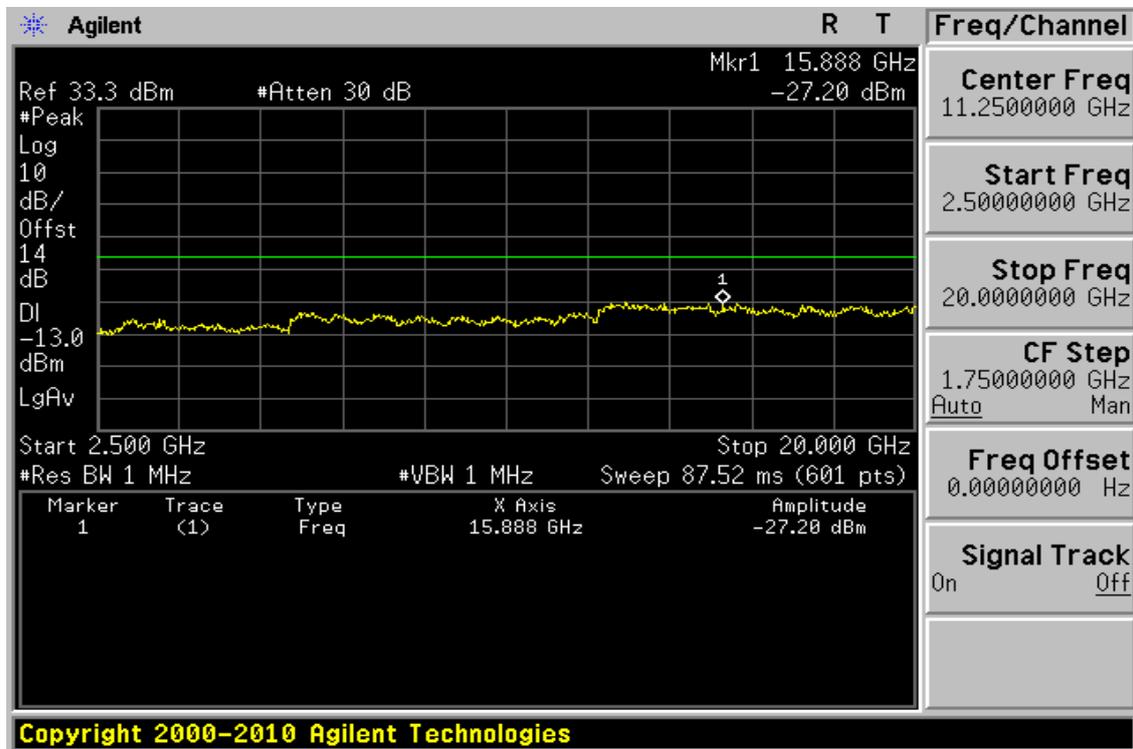
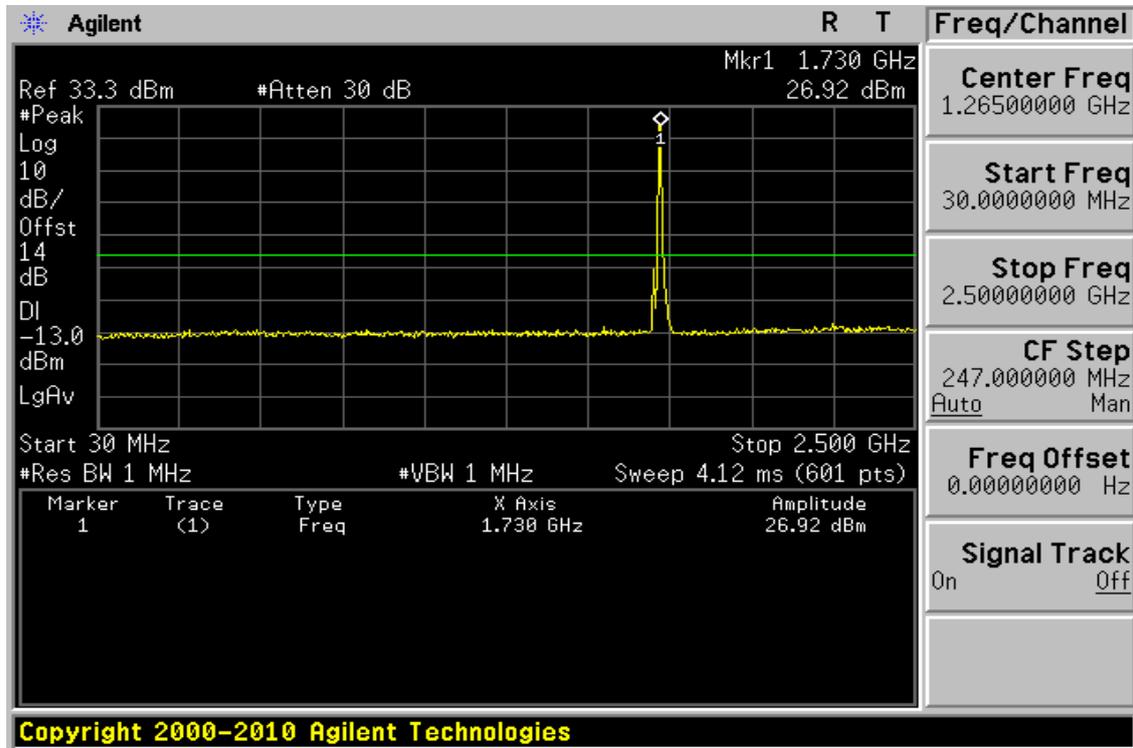


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-57: Out of Band emission at antenna terminals –10MHz BW LTE-Band 4 (16QAM RB Number: 1 Offset: 0) Channel Mid

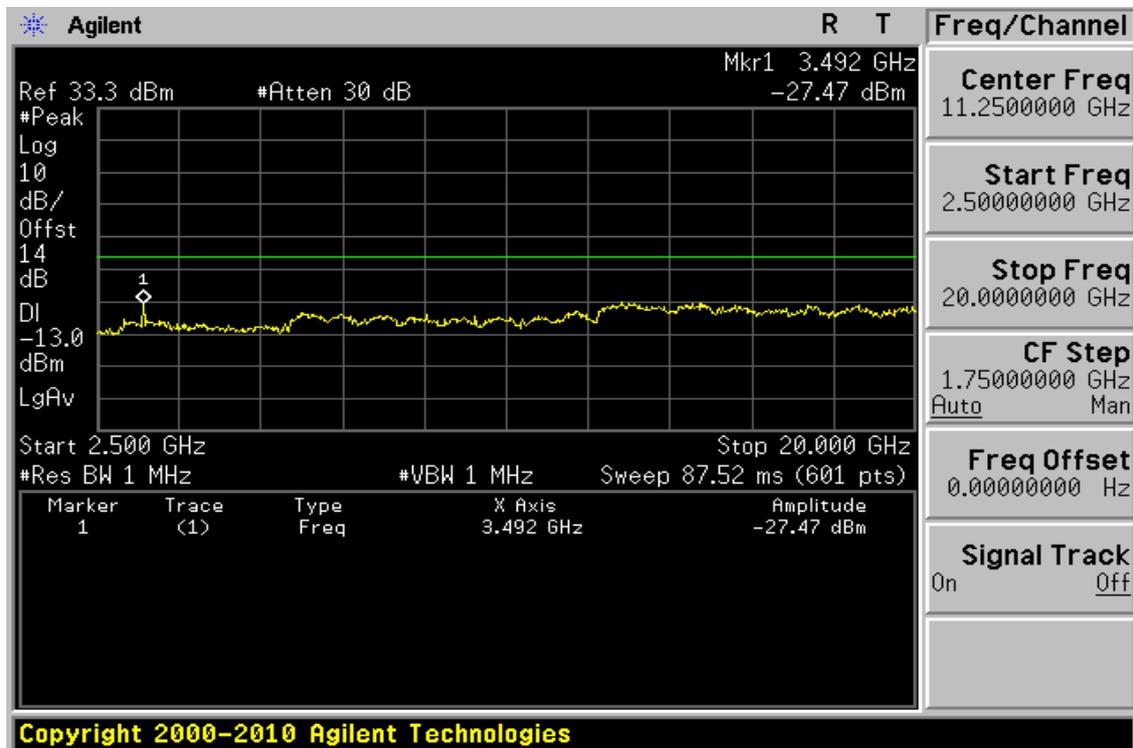
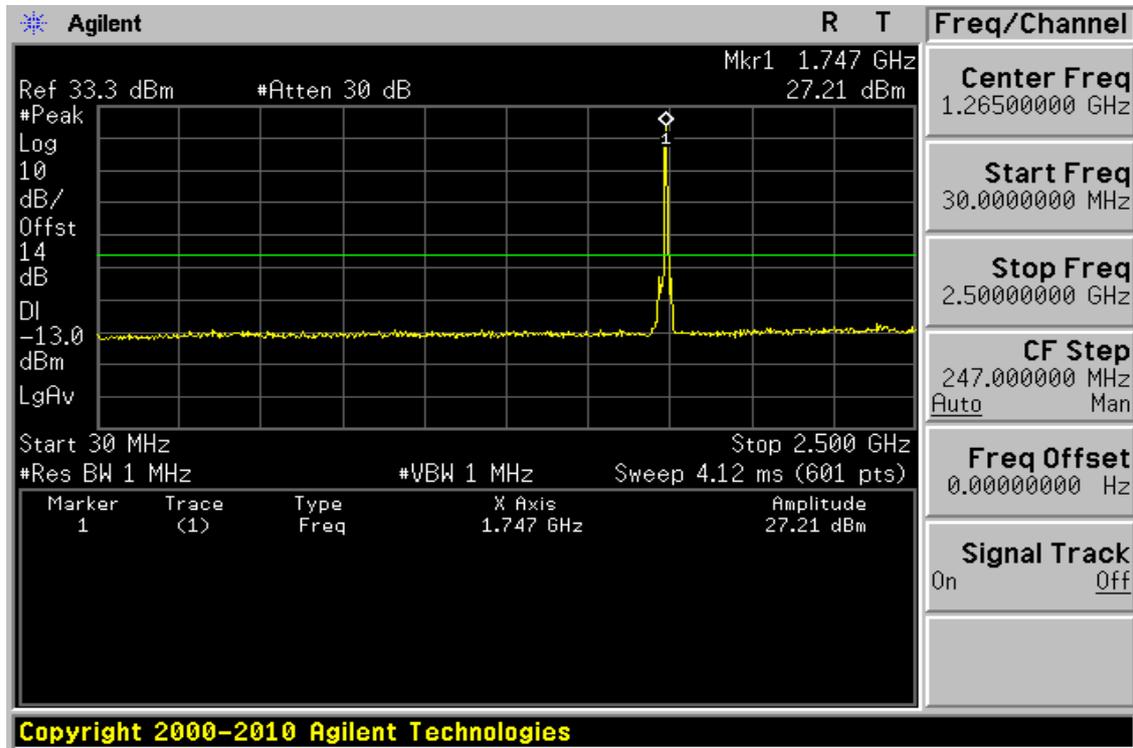


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-58: Out of Band emission at antenna terminals–10MHz BW LTE-Band 4 (16QAM RB Number: 1 Offset: 0) Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Figure 10-59: Band edge emission at antenna terminals –10MHz BW LTE-Band 4 (16QAM RB Number: 1 Offset: 0) Channel Lowest

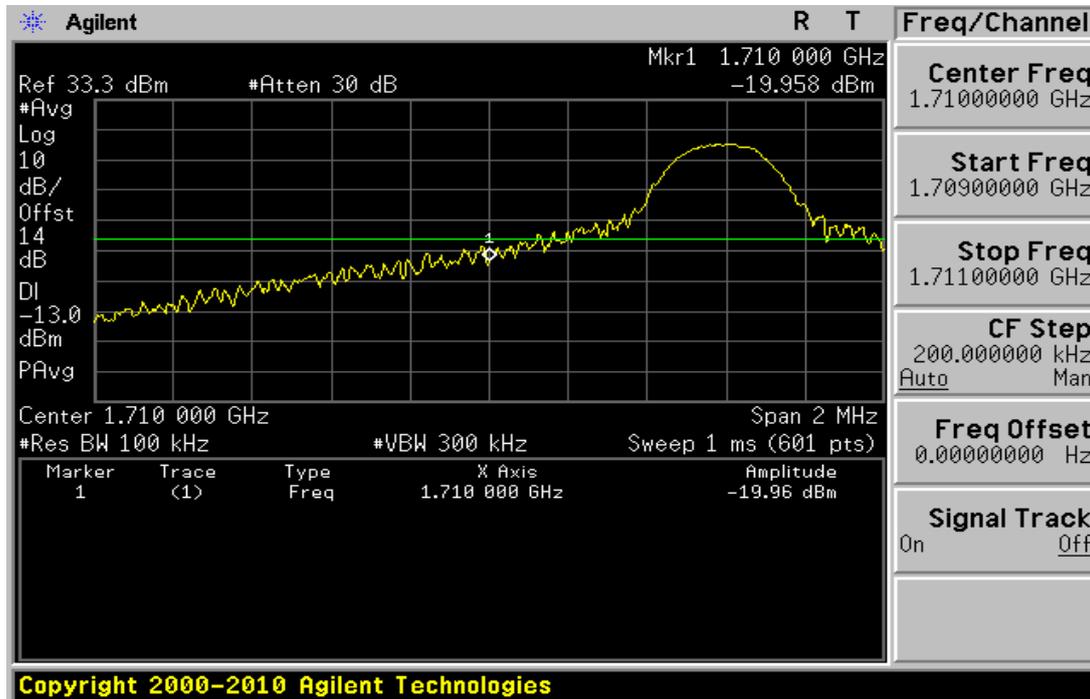


Figure 10-60: Band edge emission at antenna terminals –10MHz BW LTE-Band 4 (16QAM RB Number: 1 Offset: 49) Channel Highest

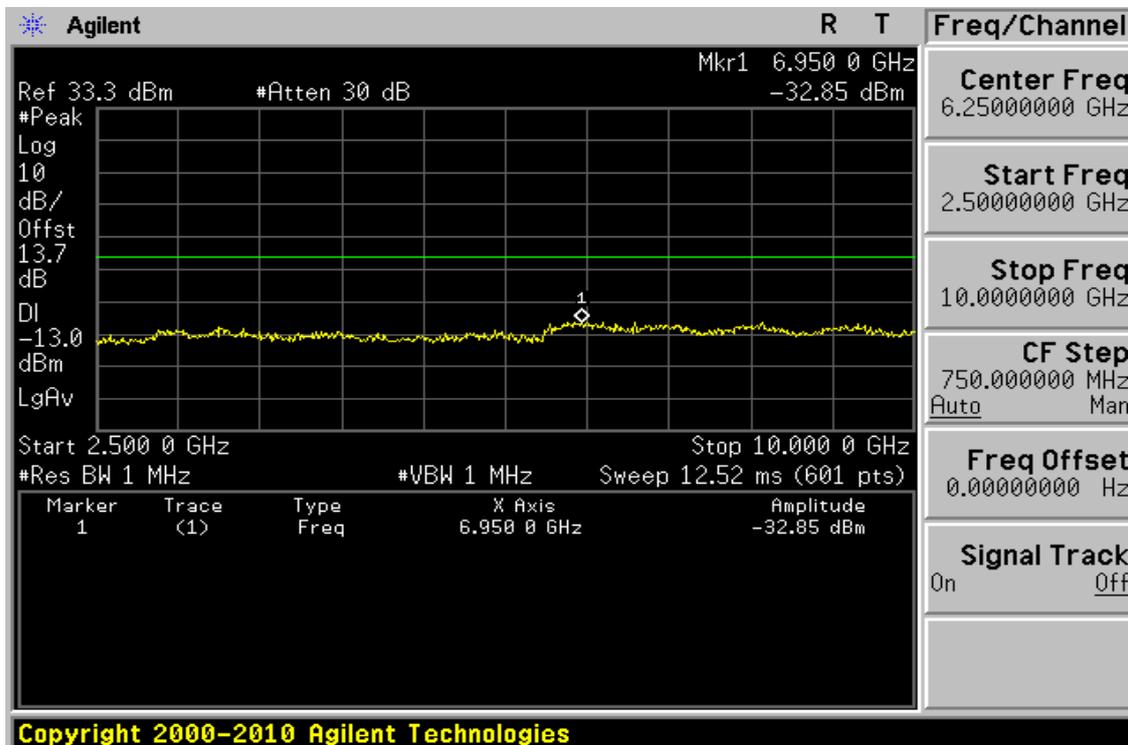
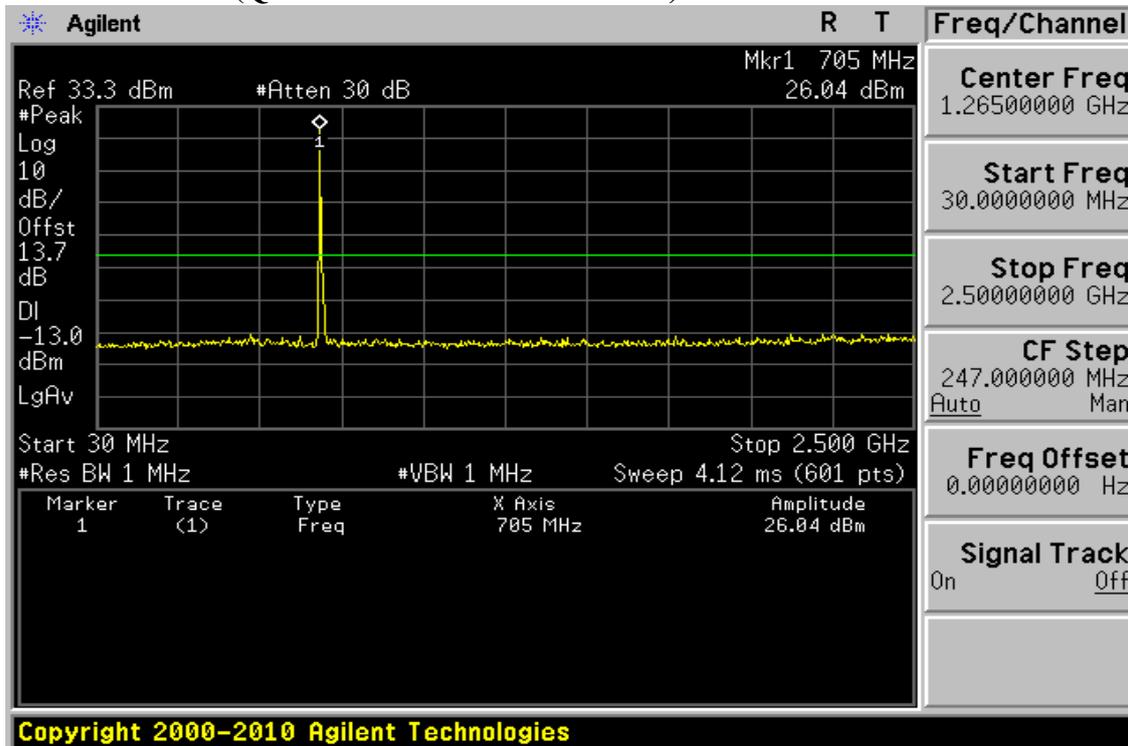


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-61: Out of Band emission at antenna terminals-5MHz BW LTE-Band 17 (QPSK RB Number: 1 Offset: 0) Channel Lowest

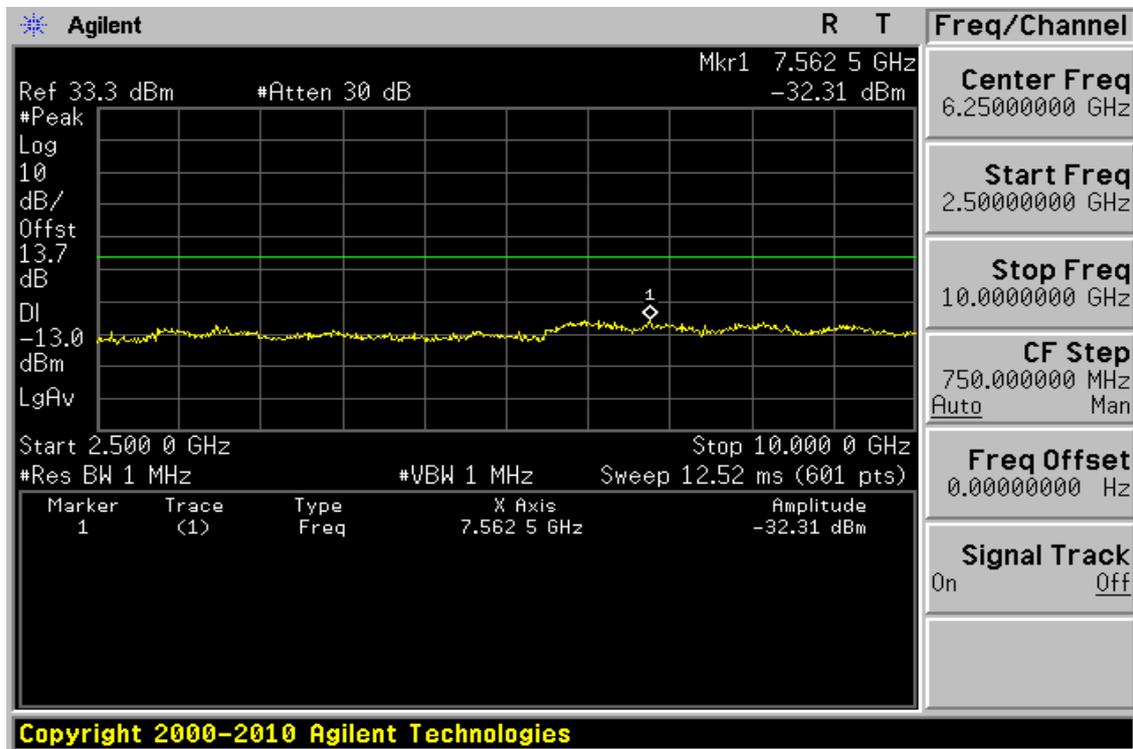
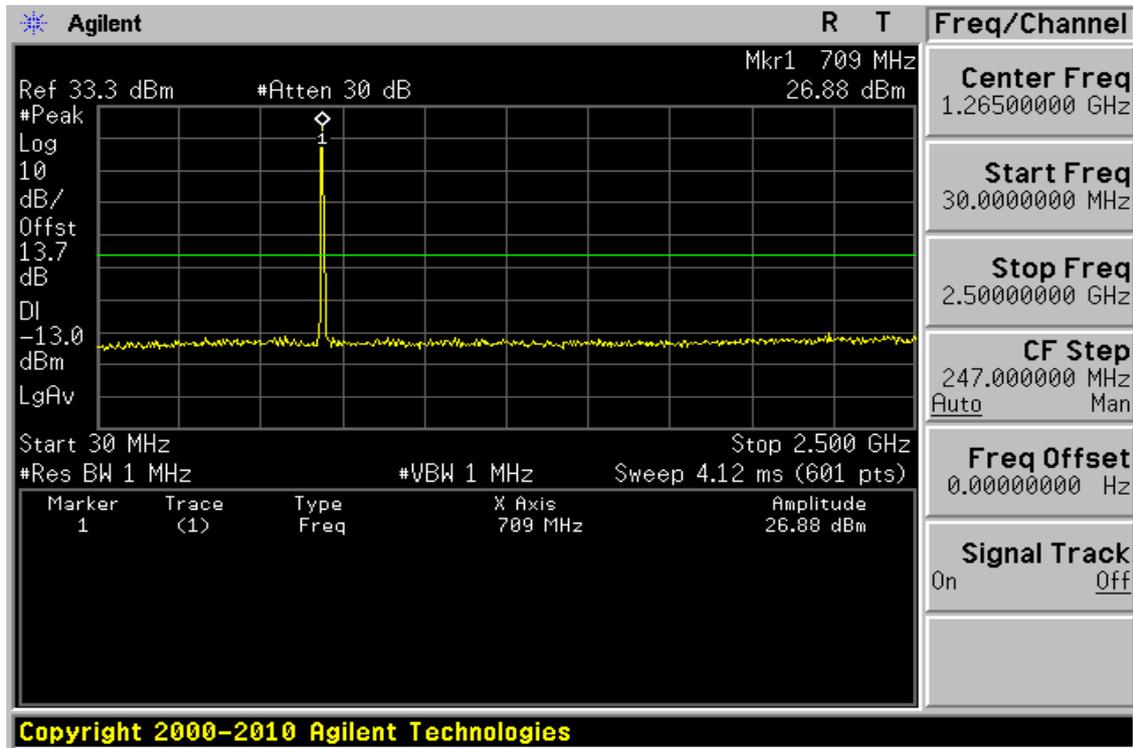


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-62: Out of Band emission at antenna terminals –5MHz BW LTE-Band 17 (QPSK RB Number: 1 Offset: 0) Channel Mid

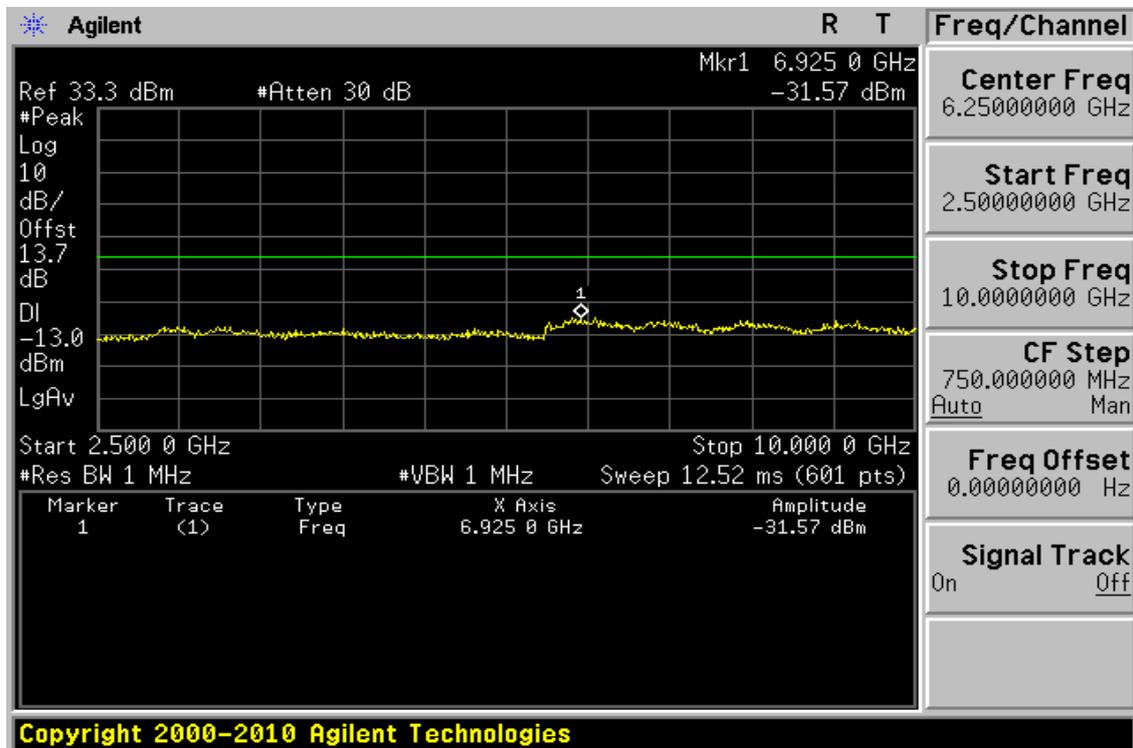
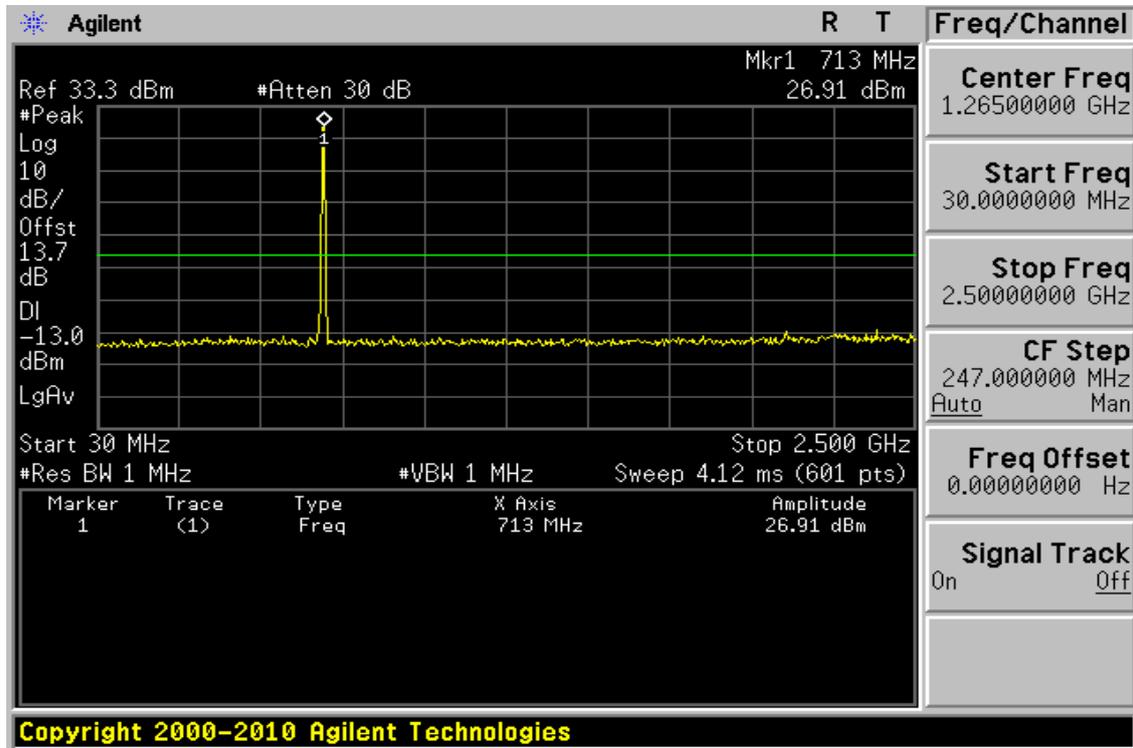


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, WuKung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-63: Out of Band emission at antenna terminals-5MHz BW LTE-Band 17 (QPSK RB Number: 1 Offset: 0) Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 10-64: Band edge emission at antenna terminals –5MHz BW LTE-Band 17 (QPSK RB Number: 1 Offset: 0) Channel Lowest

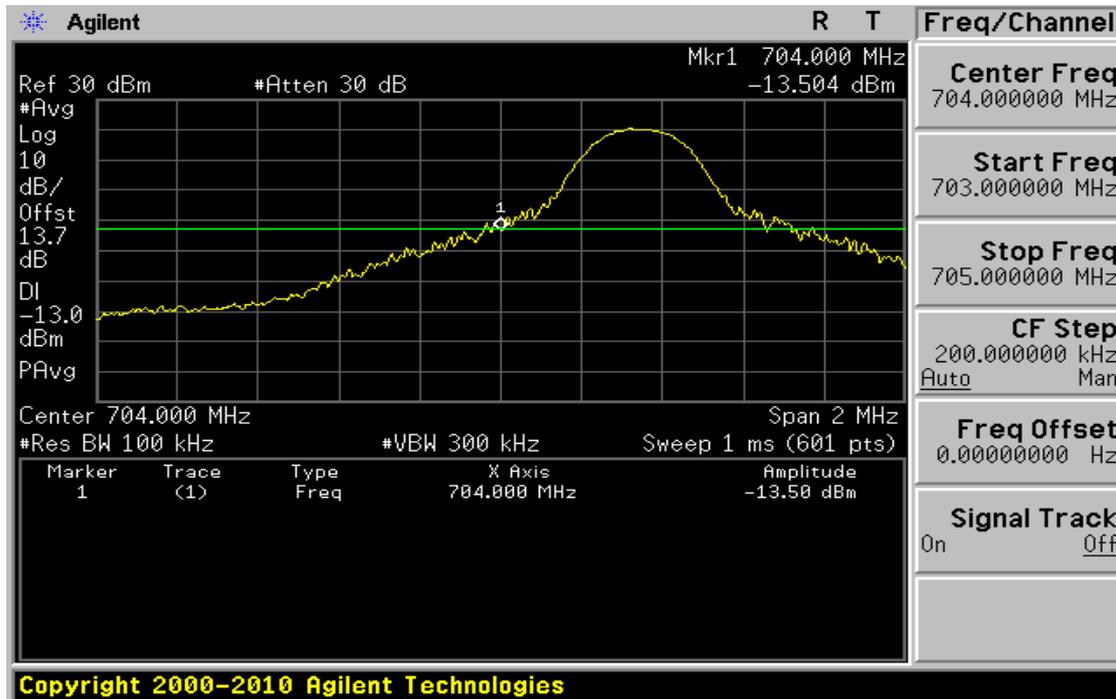
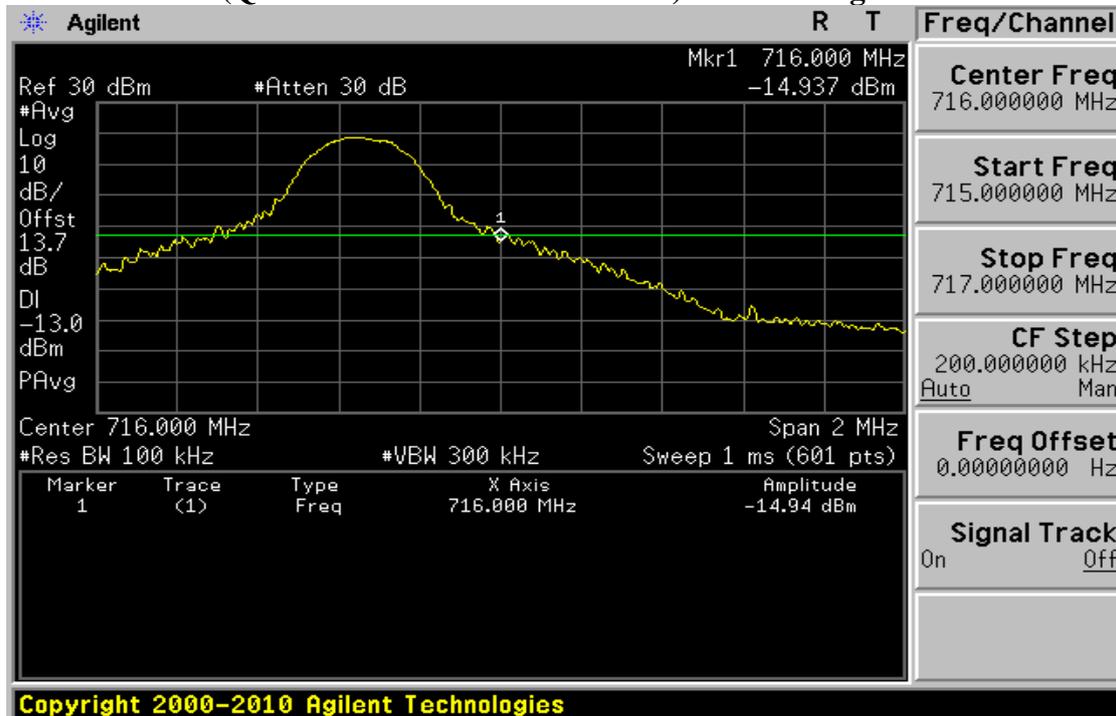


Figure 10-65: Band edge emission at antenna terminals –5MHz BW LTE-Band 17 (QPSK RB Number: 1 Offset: 24) Channel Highest

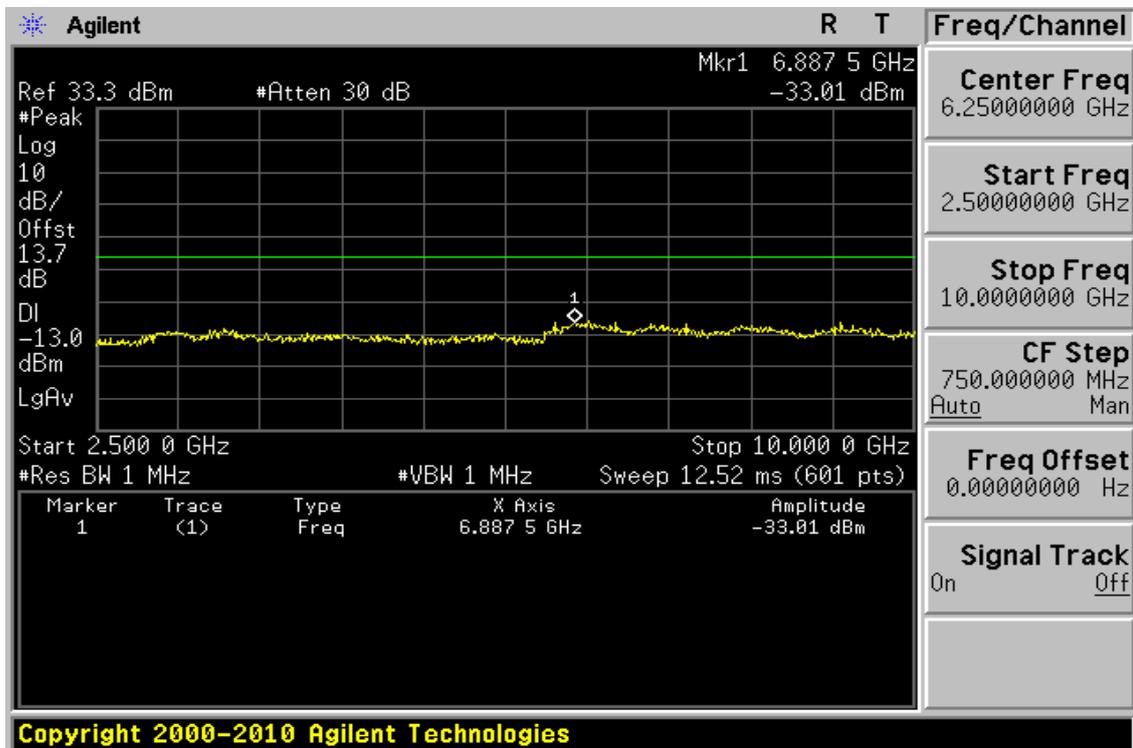
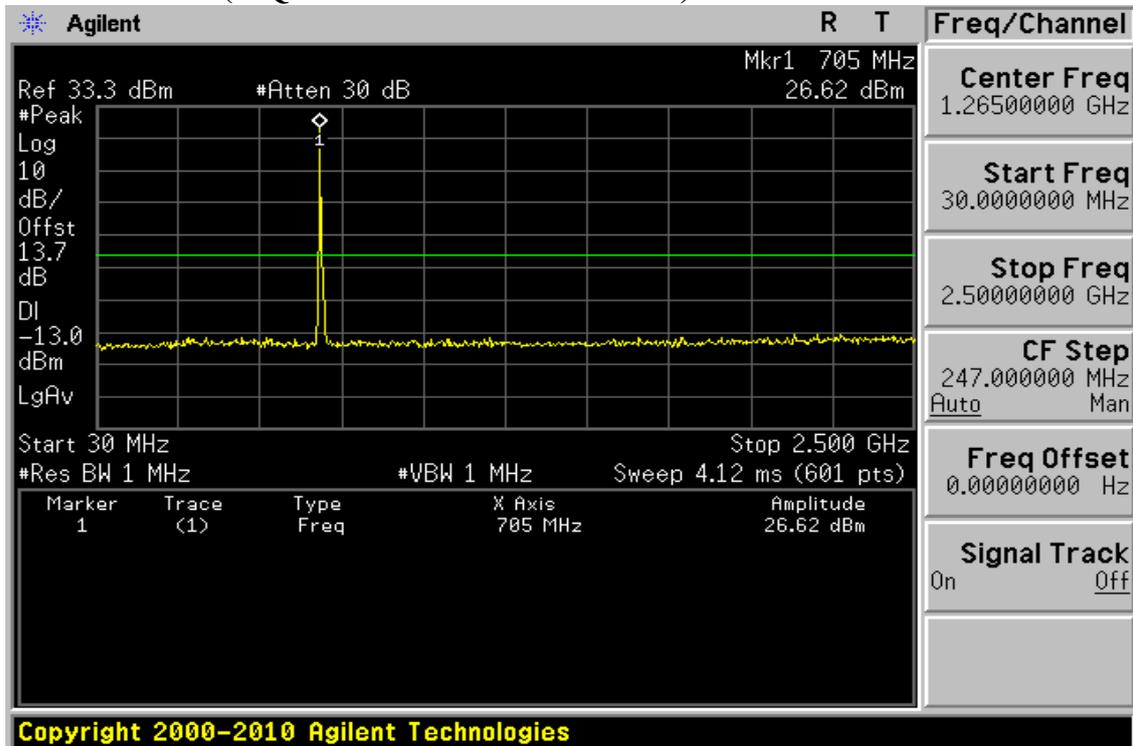


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-66: Out of Band emission at antenna terminals-5MHz BW LTE-Band 17 (16QAM RB Number: 1 Offset: 0) Channel Lowest

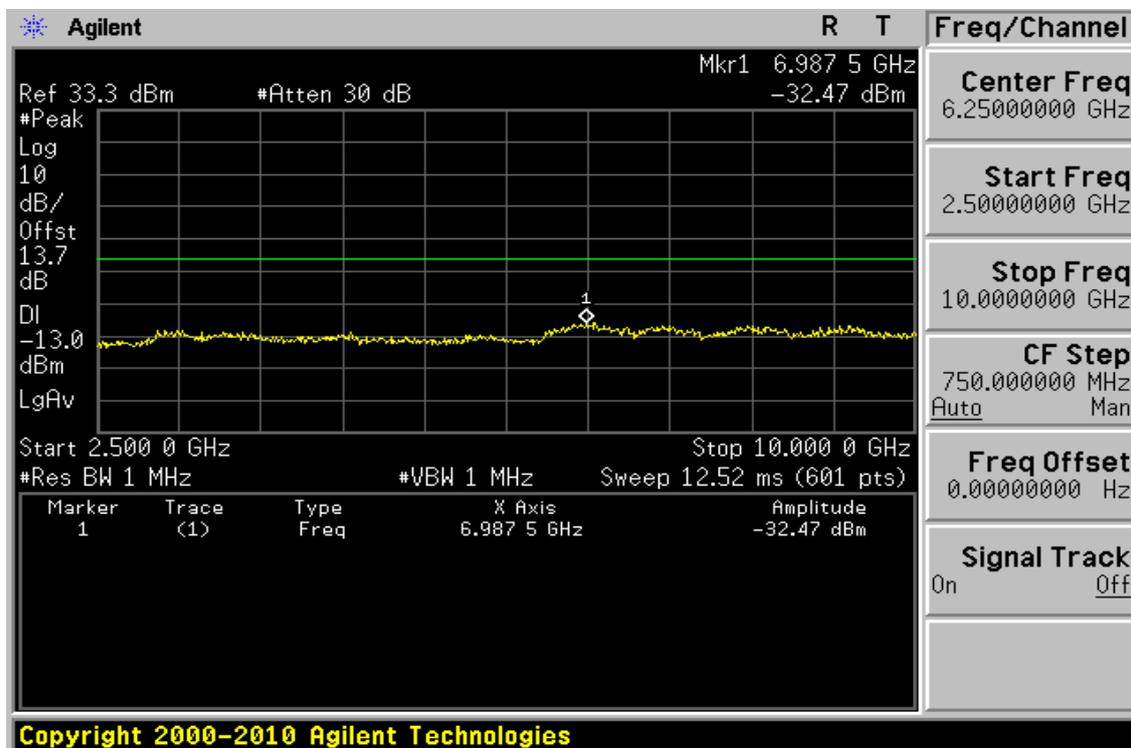
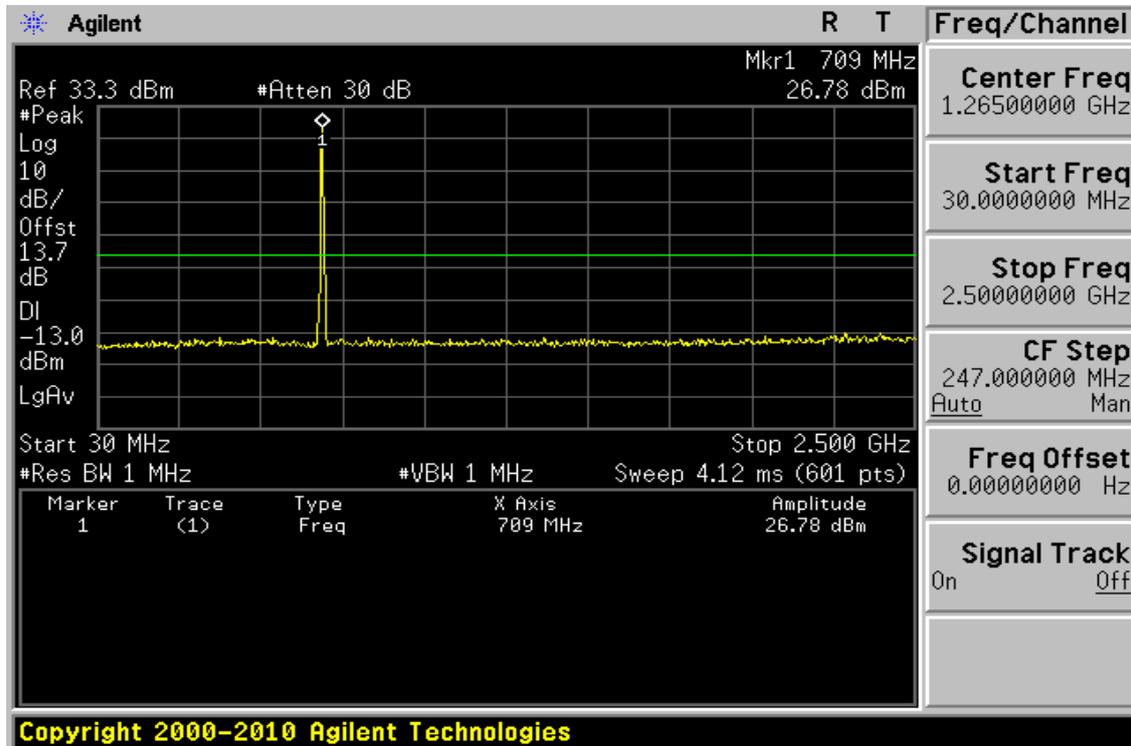


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-67: Out of Band emission at antenna terminals –5MHz BW LTE-Band 17 (16QAM RB Number: 1 Offset: 0) Channel Mid

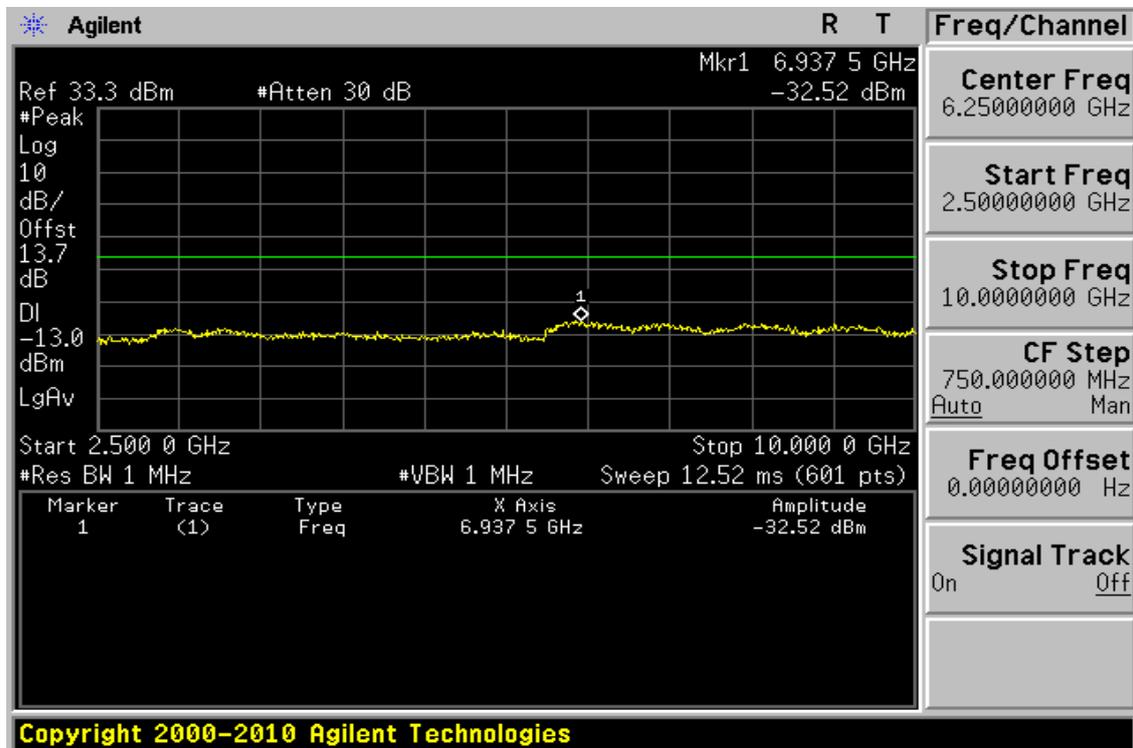
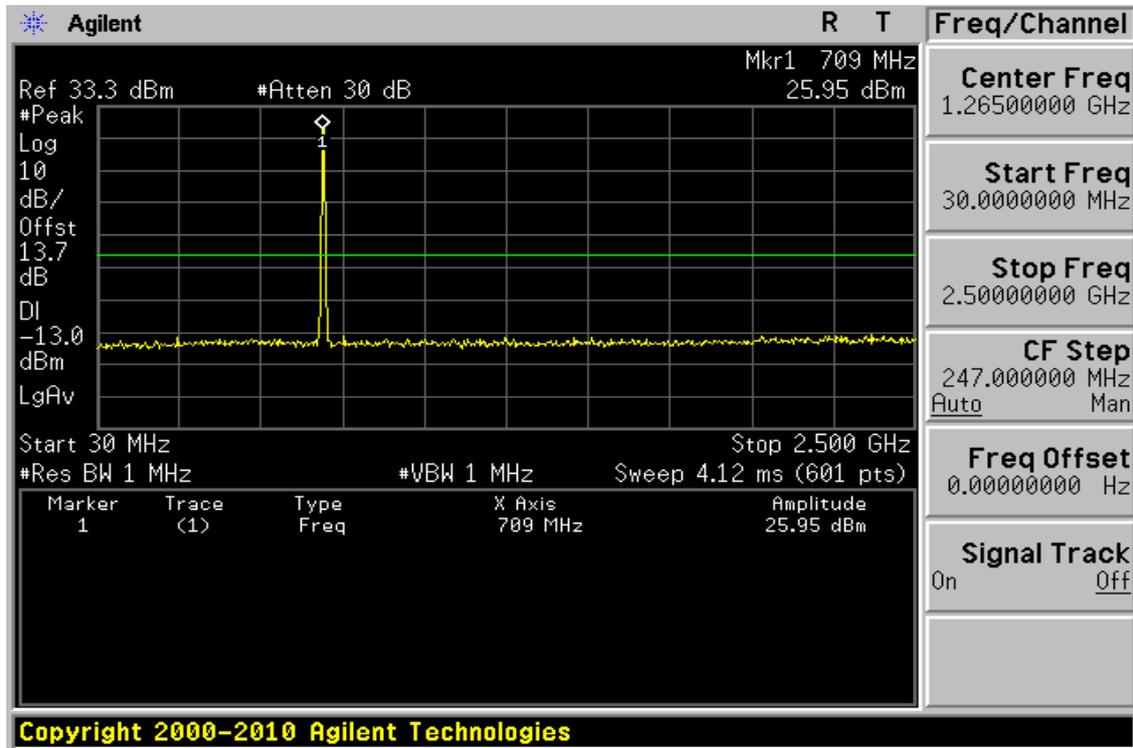


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-68: Out of Band emission at antenna terminals–5MHz BW LTE-Band 17 (16QAM RB Number: 1 Offset: 0) Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Figure 10-69 Band edge emission at antenna terminals –5MHz BW LTE-Band 17 (16QAM RB Number: 1 Offset: 0) Channel Lowest

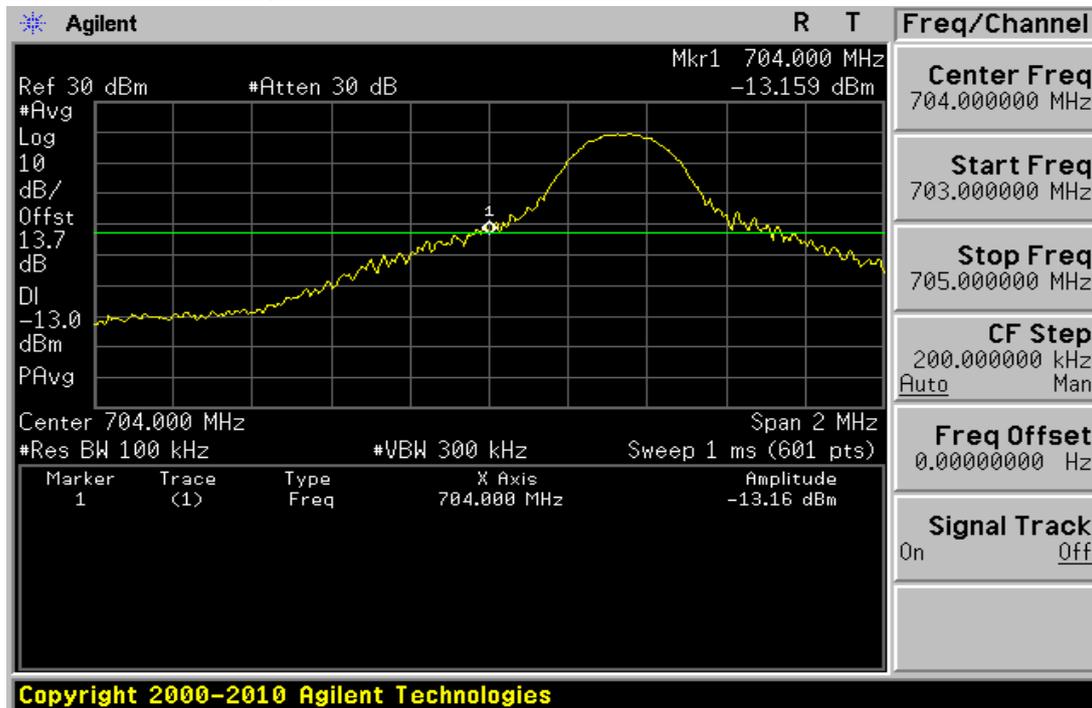


Figure 10-70: Band edge emission at antenna terminals –5MHz BW LTE-Band 17 (16QAM RB Number: 1 Offset: 24) Channel Highest

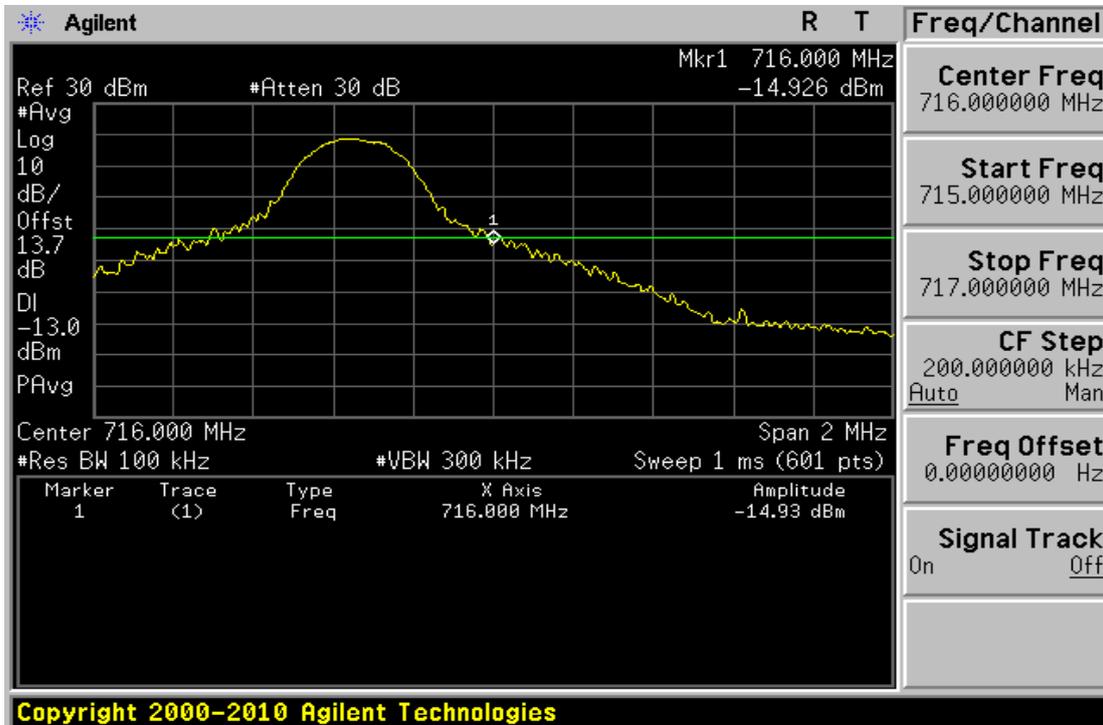


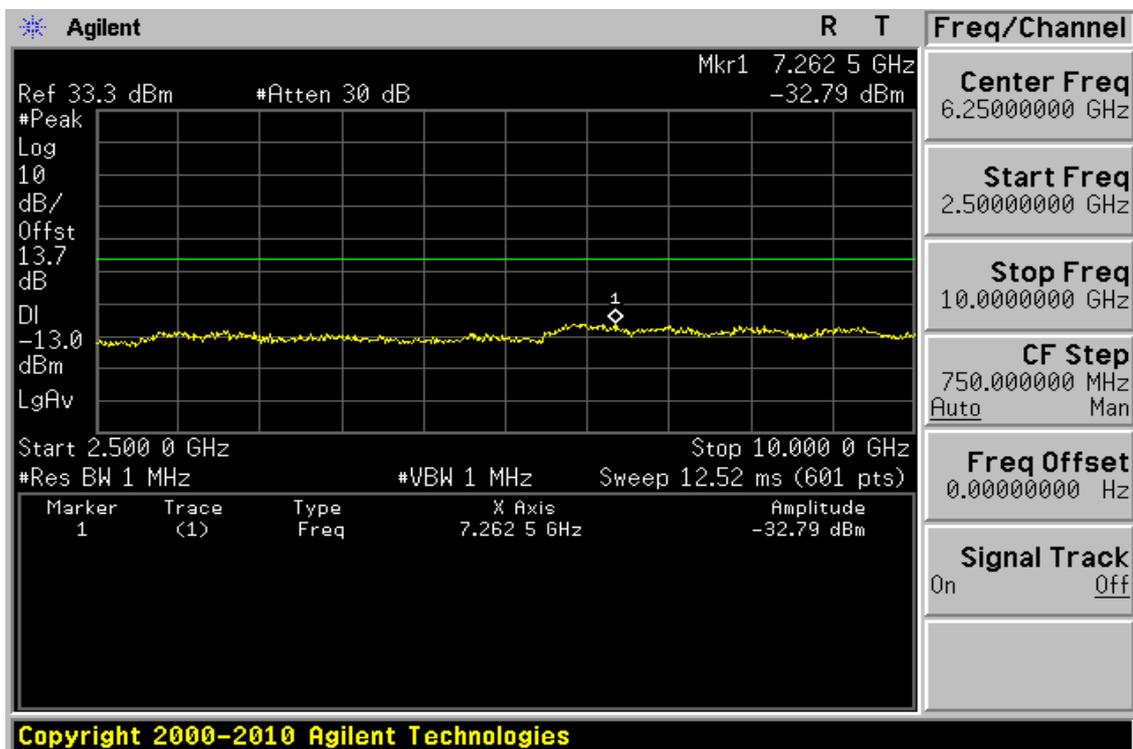
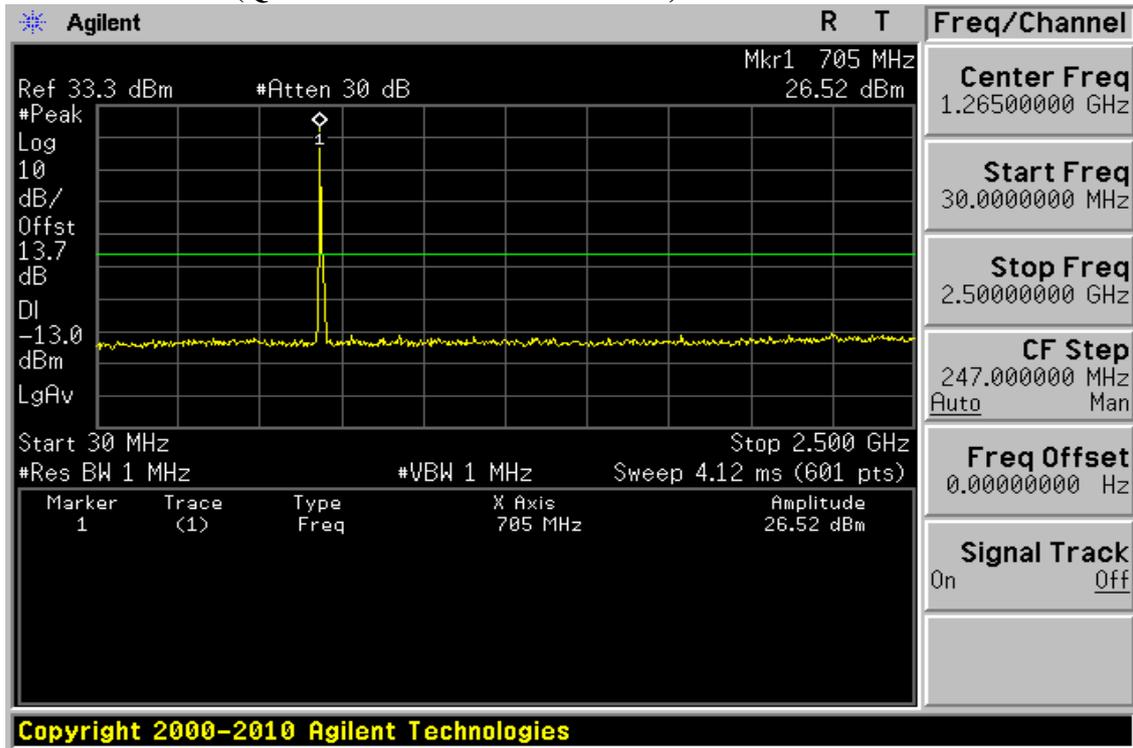
Figure 10-71: Out of Band emission at antenna terminals–10MHz BW LTE-Band 17

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

(QPSK RB Number: 1 Offset: 0) Channel Lowest

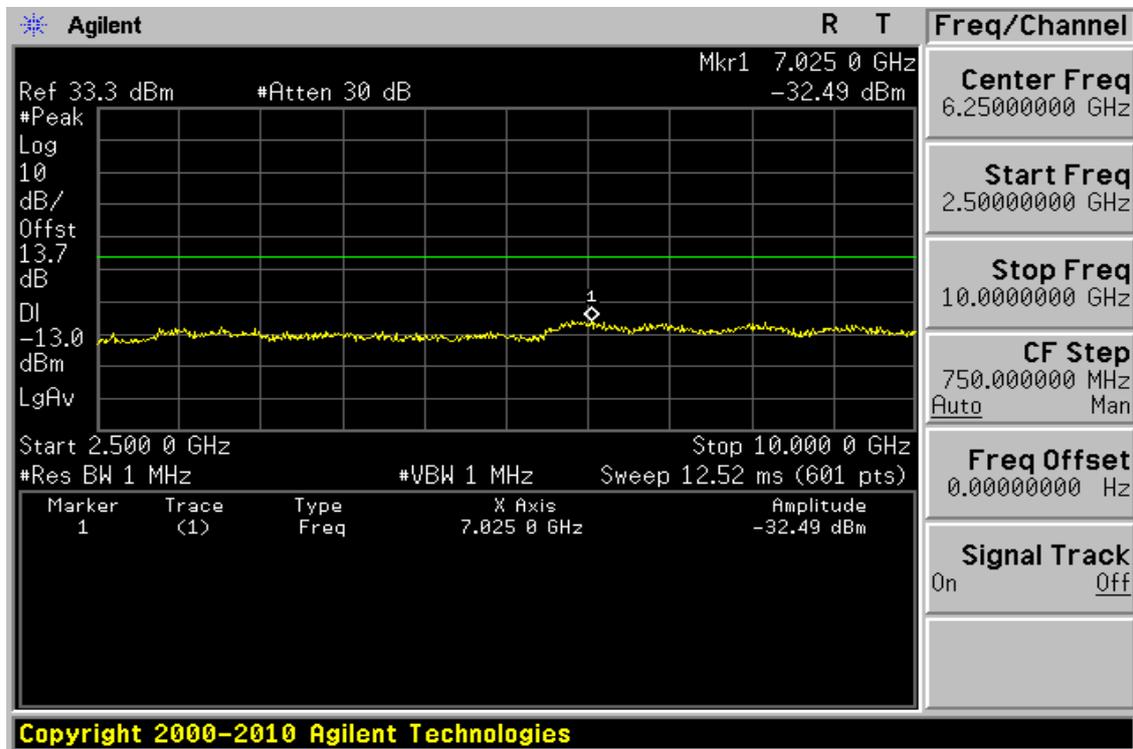
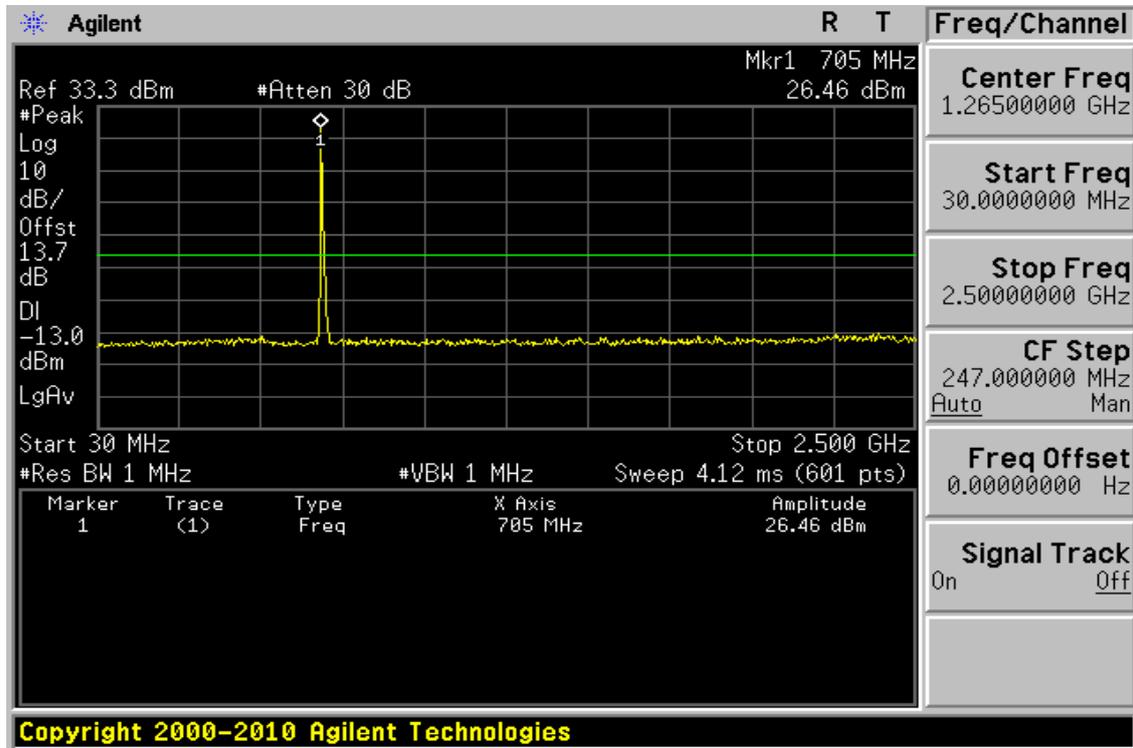


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-72: Out of Band emission at antenna terminals –10MHz BW LTE-Band 17 (QPSK RB Number: 1 Offset: 0) Channel Mid

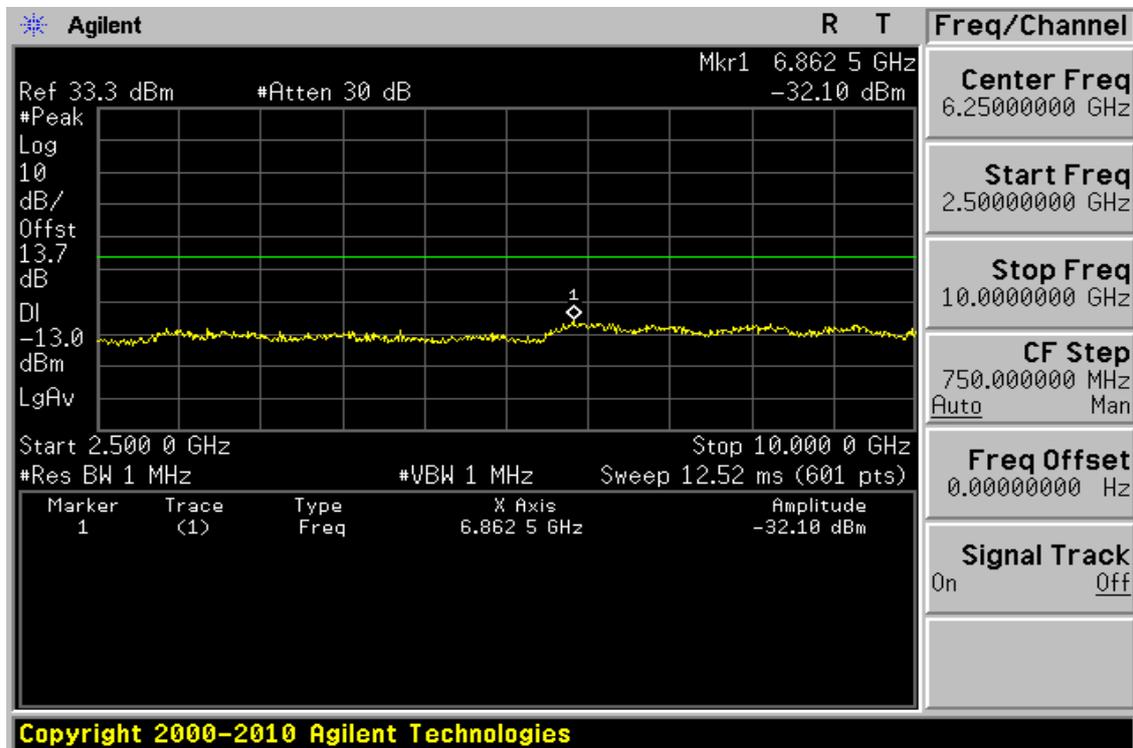
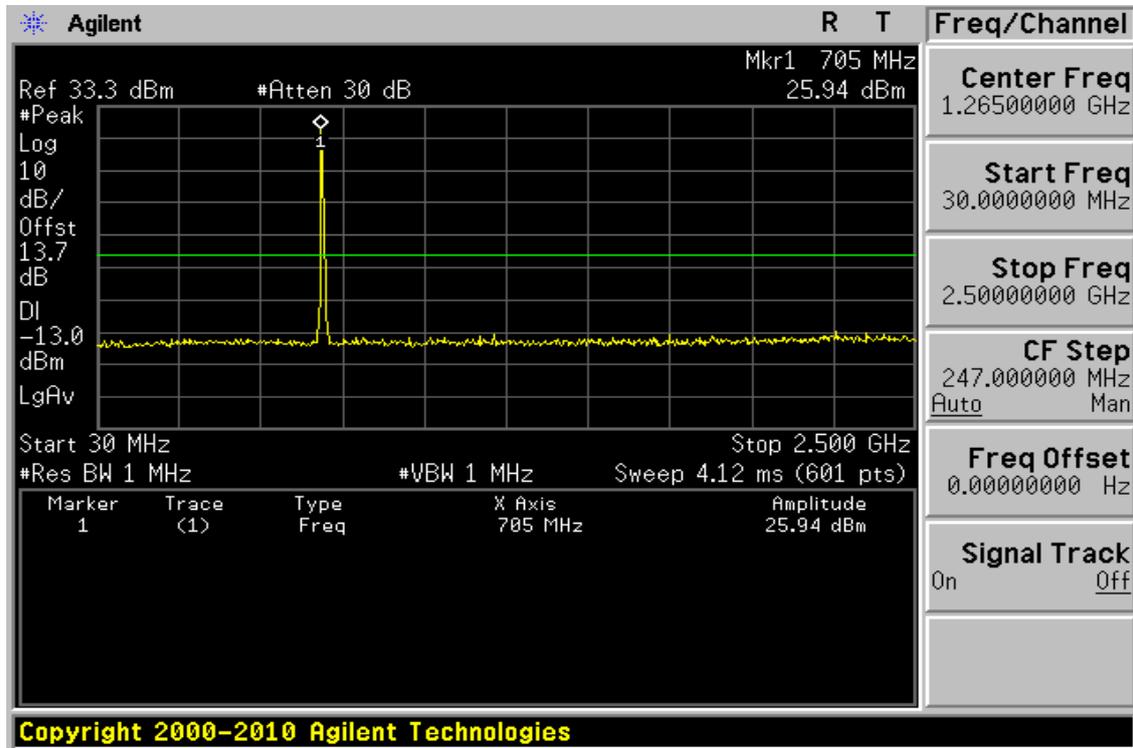


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Figure 10-73: Out of Band emission at antenna terminals-10MHz BW LTE-Band 17 (QPSK RB Number: 1 Offset: 0) Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Figure 10-74: Band edge emission at antenna terminals –10MHz BW LTE-Band 17 (QPSK RB Number: 1 Offset: 0) Channel Lowest

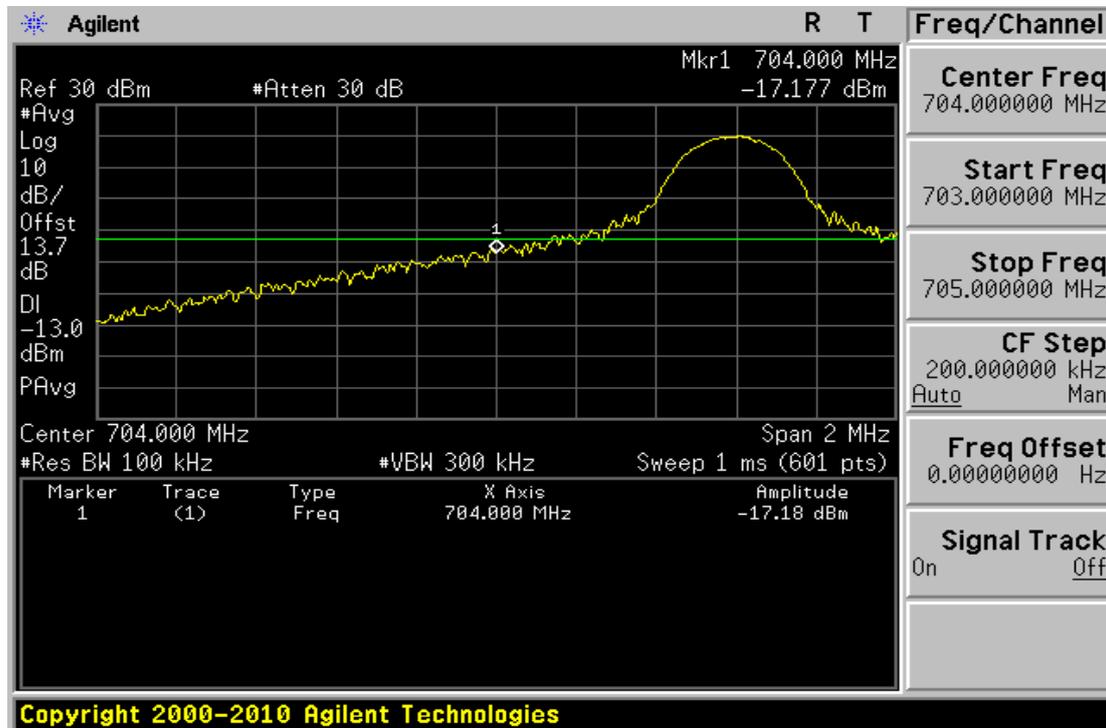


Figure 10-75: Band edge emission at antenna terminals –10MHz BW LTE-Band 17 (QPSK RB Number: 1 Offset: 49) Channel Highest

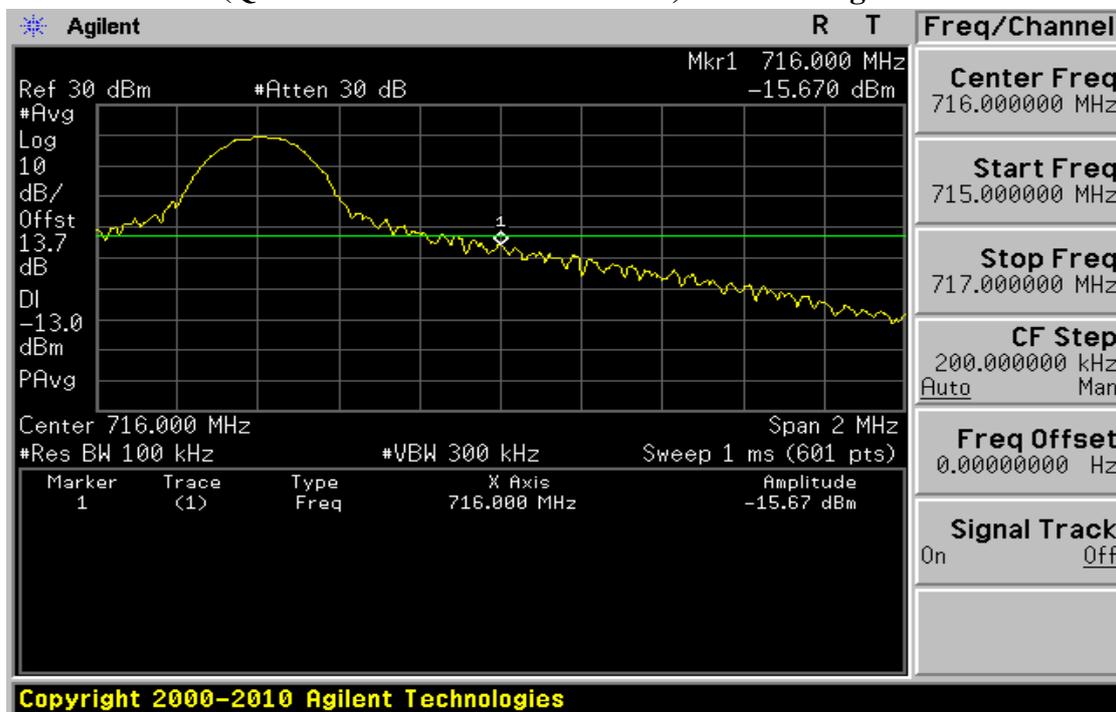


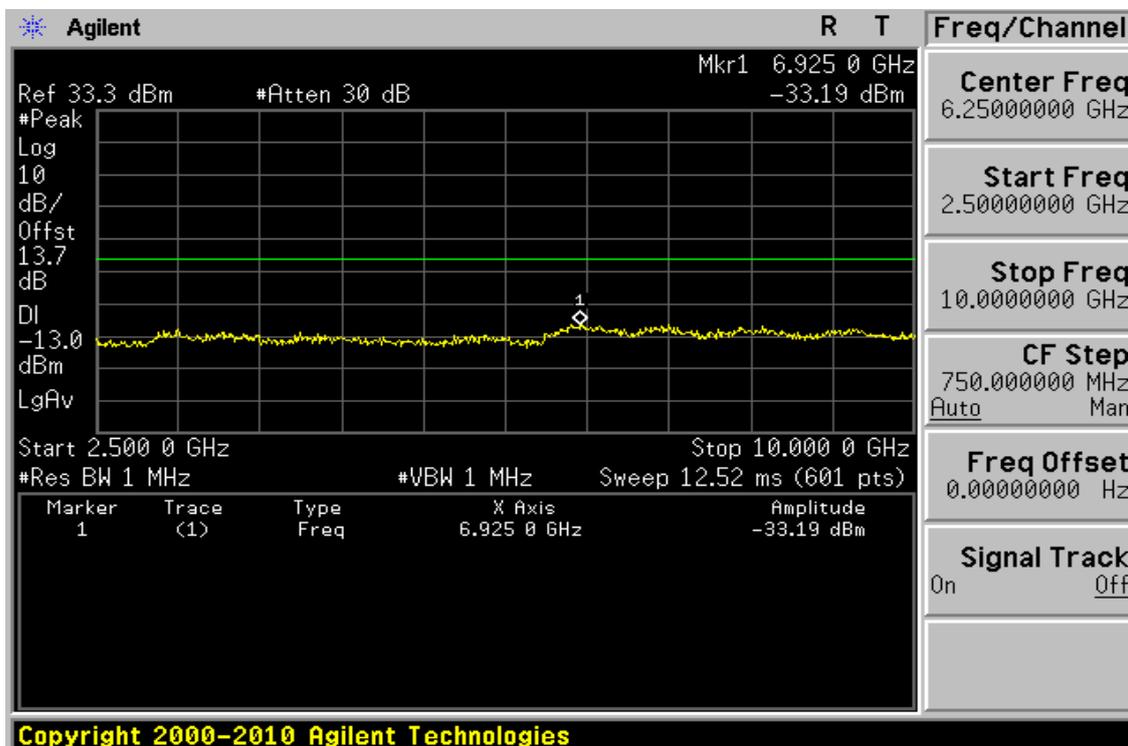
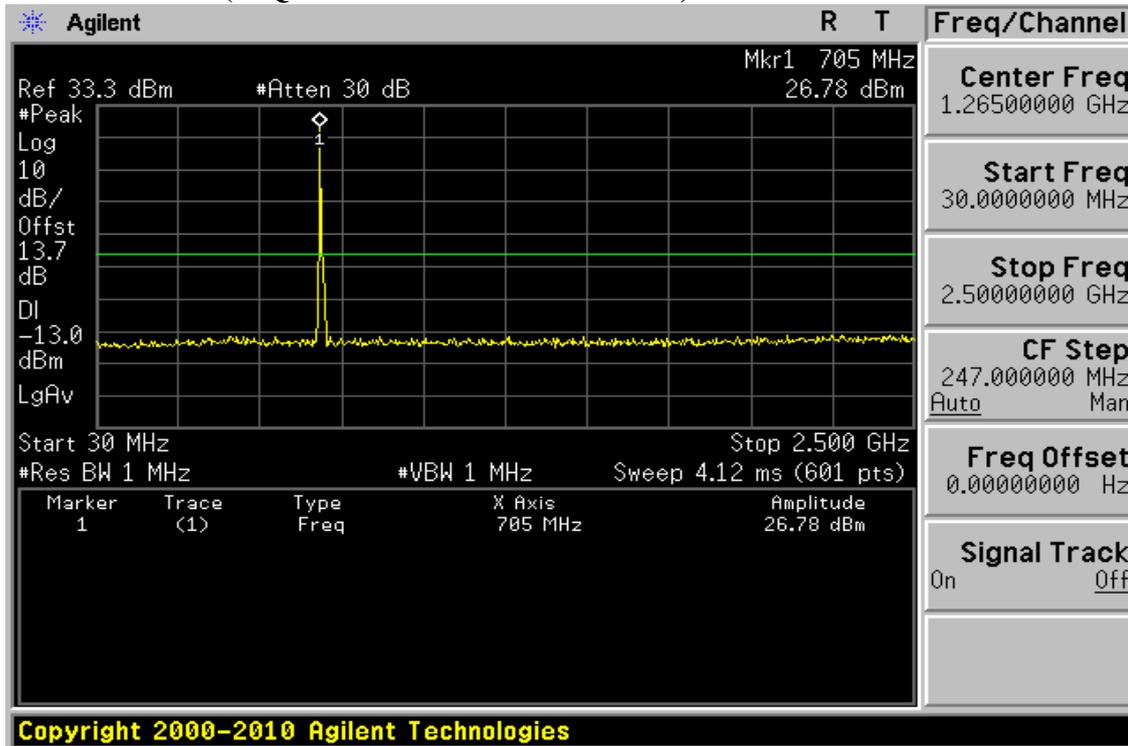
Figure 10-76: Out of Band emission at antenna terminals –10MHz BW LTE-Band 17

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

(16QAM RB Number: 1 Offset: 0) Channel Lowest

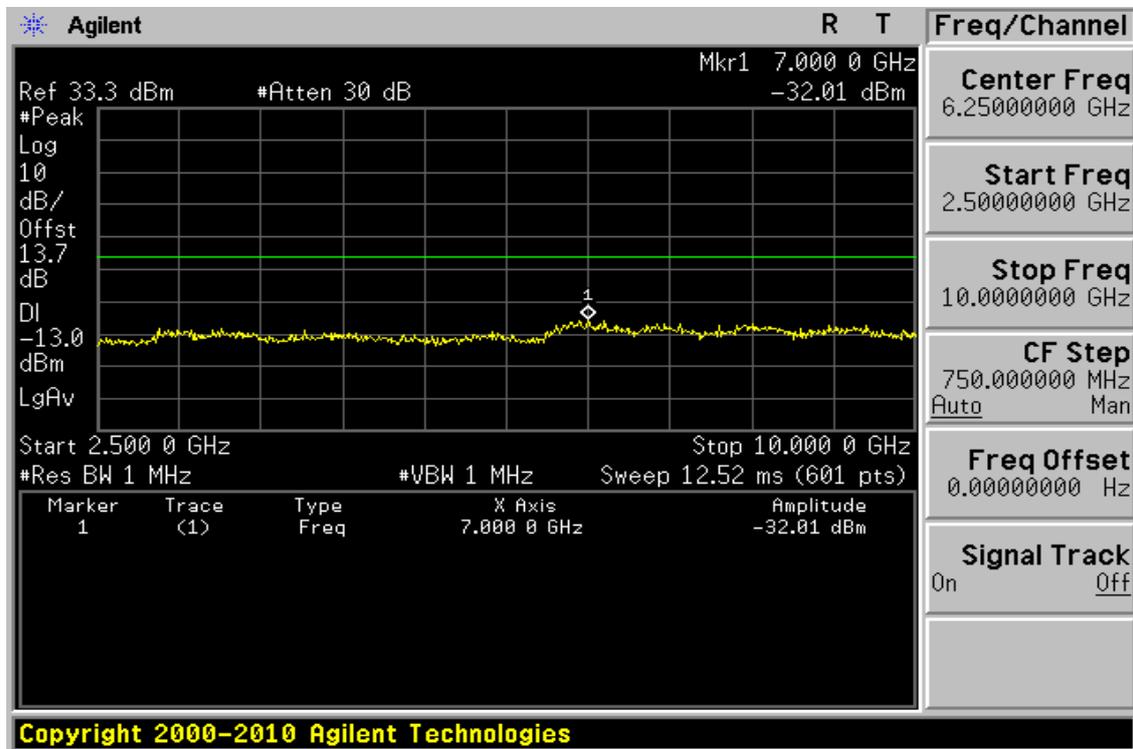
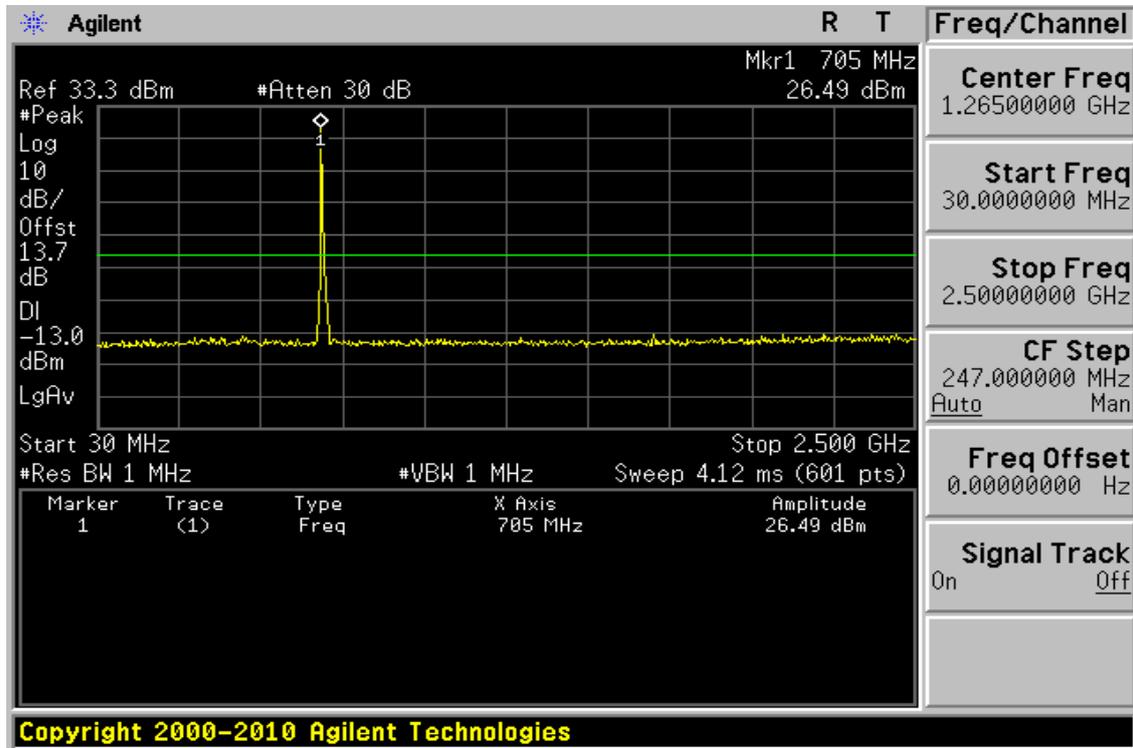


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-77: Out of Band emission at antenna terminals –10MHz BW LTE-Band 17 (16QAM RB Number: 1 Offset: 0) Channel Mid

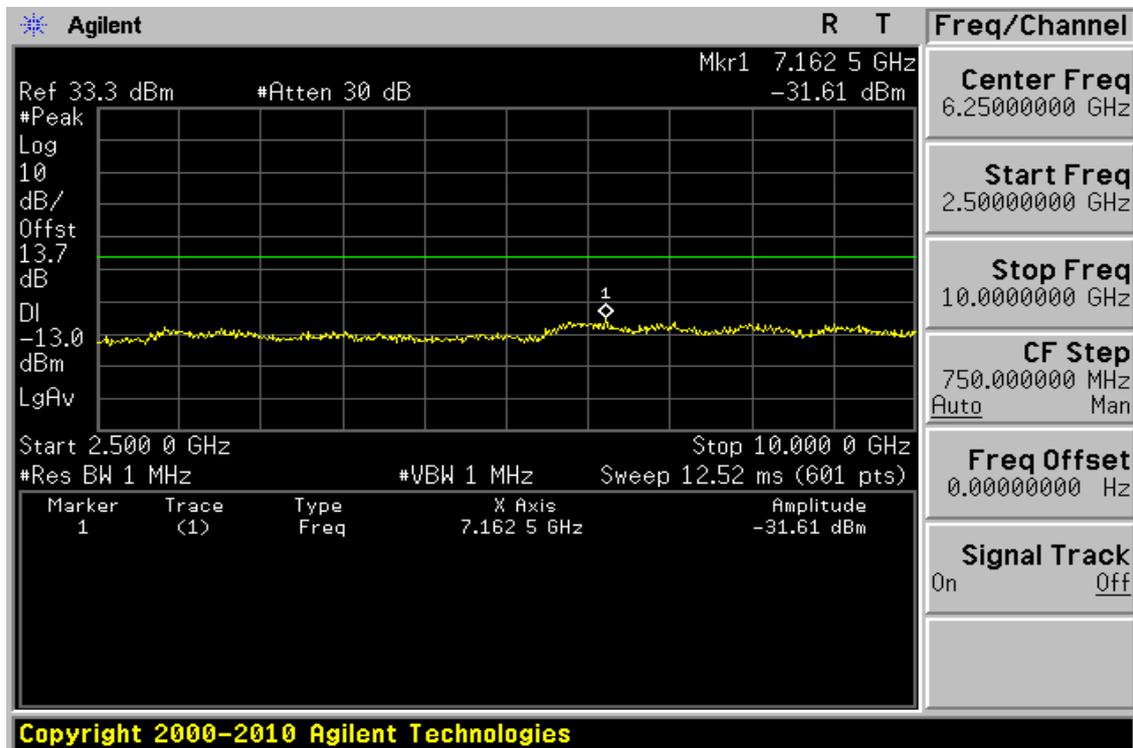
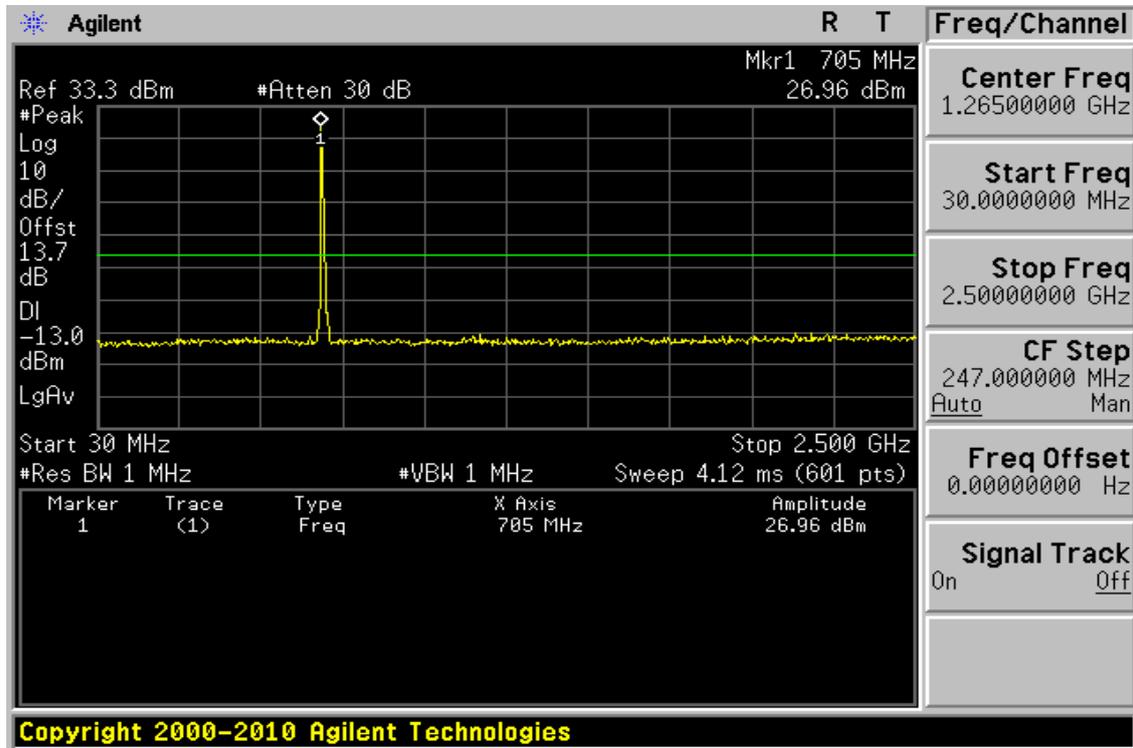


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Figure 10-78: Out of Band emission at antenna terminals-10MHz BW LTE-Band 17 (16QAM RB Number: 1 Offset: 0) Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Figure 10-79: Band edge emission at antenna terminals –10MHz BW LTE-Band 17 (16QAM RB Number: 1 Offset: 0) Channel Lowest

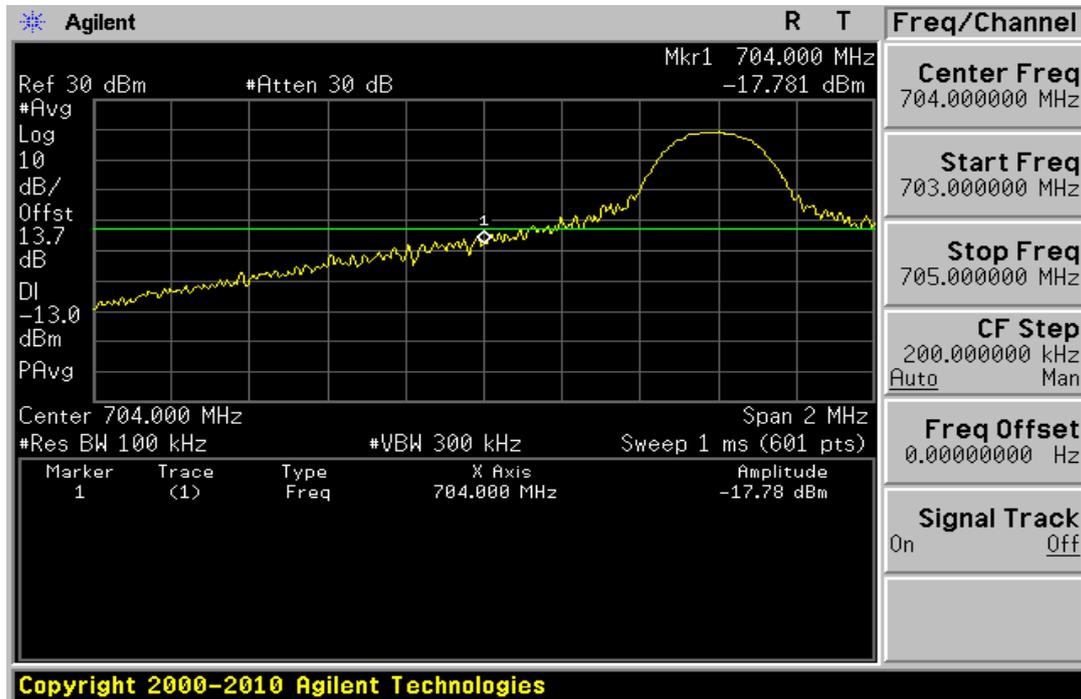


Figure 10-80: Band edge emission at antenna terminals –10MHz BW LTE-Band 17 (16QAM RB Number: 1 Offset: 49) Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

11. FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

11.1. Standard Applicable:

According to FCC §2.1053,

FCC §22.917(a), §24.238(a), §27.53(g) the magnitude of each spurious and harmonic emission that can be detected when the equipment is operated under the conditions specified in the instruction manual and/ or alignment procedure, shall not be less than $43 + 10 \log$ (mean output power in watts) dBc below the mean power output outside a license's frequency block (-13dBm).

4.5.1 Out-of-block Emissions

Mobile and base station equipment with emission bandwidth less than or equal to 4 MHz shall comply with 4.5.1.1. Mobile station equipment with emission bandwidth greater than 4 MHz shall comply with 4.5.1.2. Base station equipment with emission bandwidth greater than 4 MHz shall comply with either 4.5.1.2 or 4.5.1.3.

4.5.1.1 In the first 1.0 MHz band immediately outside and adjacent to the licensee's frequency block, the power of emissions per any 1% of the emission bandwidth shall be attenuated below the transmitter output power P (in watts) by at least $43 + 10 \log (P)$, dB. After the first 1.0 MHz, the power of emissions shall be attenuated below the transmitter output power by at least

$43 + 10 \log (P)$, dB, in any 100 kHz bandwidth.

4.5.1.2 In the first 1.0 MHz band immediately outside and adjacent to the licensee's frequency block, the power of emissions per any 1% of the emission bandwidth shall be attenuated below the transmitter output power P (in watts) by at least $43 + 10 \log (P)$, dB. After the first 1.0 MHz, the power of emissions shall be attenuated below the transmitter output power by at least

$43 + 10 \log (P)$, dB, in any 1 MHz bandwidth

6.5.1 Out-of-Block Emissions

a. Mobile stations must comply with subsection i. below.

In the first 1.0MHz band immediately outside and adjacent to the licensee's frequency block. the power of emissions per any 1% of the emission bandwidth shall be attenuated below the transmitter output power P (in watts) by at least $43 + 10 \log (P)$ dB.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

b. After the first 1.0 MHz (for equipment that complies with a.i. of this subsection) or 1.5 MHz (for equipment that complies with all of this subsection), the power of emissions shall be attenuated below the transmitter output power by at least $43 + 10 \log(P)$, dB, per any MHz of bandwidth.

(Note: If the test result using 1% of the emission bandwidth is used, then power integration over 1.0 MHz is required; alternatively, the spectrum analyzer resolution and video bandwidths can be increased to 1.0 MHz for this measurement).

6.5.2 Out-of-Sub-band Emissions

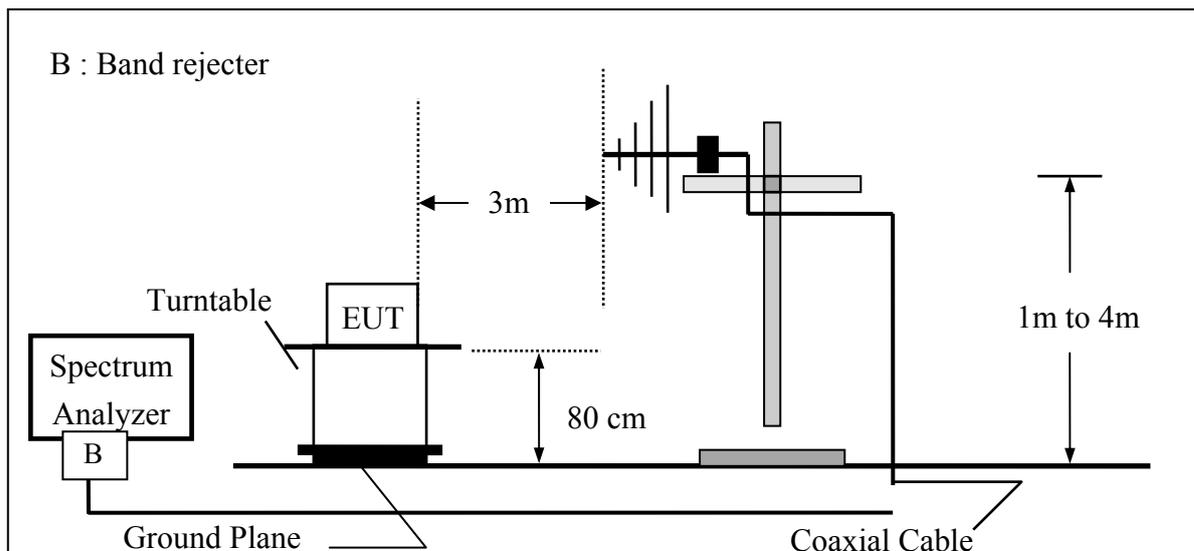
Outside the sub-bands 1850-1910 MHz and 1930-1990 MHz, the attenuation shall be equal to or greater than the out-of-block emission limits in Section 6.5.1.

(i) In the first 1.0 MHz bands immediately outside and adjacent to the equipment's operating frequency block, the emission power per any 1% of the emission bandwidth shall be attenuated below the transmitter output power P (in watts) by at least $43 + 10 \log_{10}(P)$, dB.

(ii) After the first 1.0 MHz outside the equipment's operating frequency block, the emission power in any 1 MHz bandwidth shall be attenuated below the transmitter output power P (in watts) by at least $43 + 10 \log_{10}(P)$, dB.

11.2. EUT Setup (Block Diagram of Configuration):

Radiated Emission Test Set-Up, Frequency Below 1000MHz

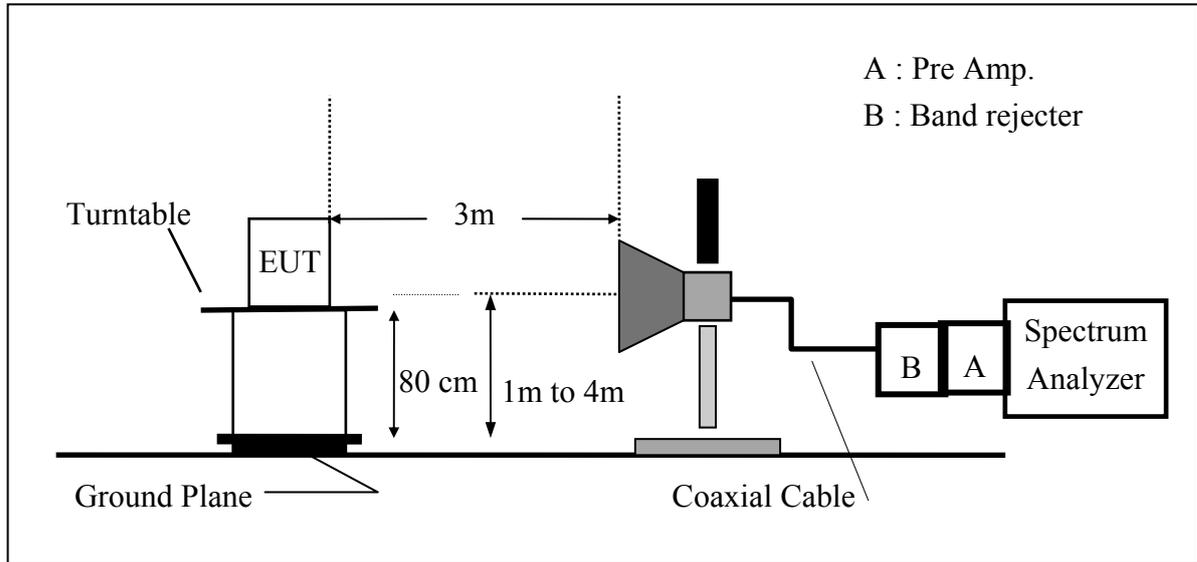


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Radiated Emission Test Set-UP Frequency Over 1 GHz



11.3. Measurement Procedure:

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

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

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

$$ERP = S.G. \text{ output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable Loss (dB)}$$

$$EIRP = S.G. \text{ output (dBm)} + \text{Antenna Gain (dBi)} - \text{Cable Loss (dB)}$$

11.4. Measurement Equipment Used:

Refer to section 2.4 in this report

11.5. Measurement Result:

Refer to attach tabular data sheets.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: GRPS 850 Mode (Worst)

Operation Band	:GPRS 850	Test Date	:2012-08-22
ARFCN	:CH 128	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:824.2 MHz	Engineer	:Marcus
Operation Mode	:TX LOW		
EUT Pol.	:H PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
37.76	S	-68.41	-52.34	-13.61	-2.47	-13.00	-55.41
64.92	S	-75.30	-65.70	-7.02	-2.59	-13.00	-62.30
124.09	S	-70.96	-67.10	-1.09	-2.77	-13.00	-57.96
262.80	S	-79.99	-81.38	4.66	-3.27	-13.00	-66.99
437.40	S	-78.88	-79.70	4.52	-3.70	-13.00	-65.88
935.98	S	-74.74	-73.88	3.64	-4.50	-13.00	-61.74
1648.40	H	-40.97	500.00	2.40	-5.36	-13.00	-27.97
2472.60	H	-35.46	-32.44	3.14	-6.15	-13.00	-22.46
3296.80	H	-47.93	-45.79	4.70	-6.83	-13.00	-34.93
4121.00	H	-49.76	-48.26	5.80	-7.31	-13.00	-36.76
4945.20	H	-46.88	-45.59	6.58	-7.87	-13.00	-33.88
5769.40	---						
6593.60	---						
7417.80	---						
8242.00	---						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
 “E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
 “---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: GRPS 850 Mode

Operation Band	:GPRS 850	Test Date	:2012-08-22
ARFCN	:CH 128	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:824.2 MHz	Engineer	:Marcus
Operation Mode	:TX LOW		
EUT Pol.	:H PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
37.76	S	-79.42	-63.34	-13.61	-2.47	-13.00	-66.42
111.48	S	-79.79	-75.91	-1.12	-2.77	-13.00	-66.79
135.73	S	-78.81	-74.94	-1.08	-2.79	-13.00	-65.81
293.84	S	-82.16	-83.50	4.59	-3.25	-13.00	-69.16
642.07	S	-80.82	-80.94	4.11	-3.98	-13.00	-67.82
946.65	S	-76.23	-75.35	3.63	-4.51	-13.00	-63.23
1645.14	H	-40.63	500.00	2.68	-5.36	-13.00	-27.63
2475.00	H	-38.43	-35.80	3.52	-6.15	-13.00	-25.43
3295.00	H	-48.98	-46.83	4.68	-6.83	-13.00	-35.98
4120.00	H	-51.02	-49.23	5.52	-7.31	-13.00	-38.02
4945.00	H	-50.40	-48.55	6.02	-7.87	-13.00	-37.40
5769.40	---						
6592.00	H	-43.94	-41.75	6.55	-8.73	-13.00	-30.94
7420.00	H	-43.54	-41.59	7.43	-9.38	-13.00	-30.54
8242.00	---						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
 “E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
 “---” : denotes Noise Floor..

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: GRPS 850 Mode

Operation Band	:GPRS 850	Test Date	:2012-08-22
ARFCN	:CH 190	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:836.6 MHz	Engineer	:Marcus
Operation Mode	:TX MID		
EUT Pol.	:H PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
37.76	S	-66.96	-50.89	-13.61	-2.47	-13.00	-53.96
124.09	S	-70.50	-66.64	-1.09	-2.77	-13.00	-57.50
181.32	S	-78.21	-77.88	2.60	-2.93	-13.00	-65.21
438.37	S	-79.35	-80.17	4.52	-3.70	-13.00	-66.35
628.49	S	-74.89	-75.00	4.08	-3.97	-13.00	-61.89
929.19	S	-74.83	-73.96	3.64	-4.50	-13.00	-61.83
1673.20	H	-38.75	500.00	2.33	-5.34	-13.00	-25.75
2509.80	H	-34.77	-31.84	3.19	-6.13	-13.00	-21.77
3346.40	H	-45.42	-43.55	4.84	-6.70	-13.00	-32.42
4183.00	H	-50.04	-48.46	5.89	-7.47	-13.00	-37.04
5019.60	H	-49.54	-48.33	6.66	-7.87	-13.00	-36.54
5856.20	---						
6692.80	---						
7529.40	---						
8366.00	---						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
 “E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
 “---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: GRPS 850 Mode

Operation Band	:GPRS 850	Test Date	:2012-08-22
ARFCN	:CH 190	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:836.6 MHz	Engineer	:Marcus
Operation Mode	:TX MID		
EUT Pol.	:H PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
36.79	S	-78.73	-62.58	-13.69	-2.47	-13.00	-65.73
111.48	S	-77.29	-73.41	-1.12	-2.77	-13.00	-64.29
137.67	S	-76.55	-72.56	-1.20	-2.79	-13.00	-63.55
292.87	S	-80.48	-81.81	4.58	-3.25	-13.00	-67.48
628.49	S	-79.85	-79.96	4.08	-3.97	-13.00	-66.85
762.35	S	-78.13	-77.56	3.62	-4.20	-13.00	-65.13
1673.20	H	-35.72	500.00	2.66	-5.34	-13.00	-22.72
2509.80	H	-37.95	-35.38	3.56	-6.13	-13.00	-24.95
3346.40	H	-47.23	-45.33	4.81	-6.70	-13.00	-34.23
4183.00	H	-51.28	-49.35	5.54	-7.47	-13.00	-38.28
5019.60	H	-50.78	-48.96	6.05	-7.87	-13.00	-37.78
5856.20	---						
6692.80	H	-41.43	-39.41	6.62	-8.64	-13.00	-28.43
7529.40	H	-45.57	-43.63	7.55	-9.50	-13.00	-32.57
8366.00	---						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
 “E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
 “---“ : denotes Noise Floor..

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: GRPS 850 Mode

Operation Band	:GPRS 850	Test Date	:2012-08-22
ARFCN	:CH 251	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:848.8 MHz	Engineer	:Marcus
Operation Mode	:TX HIGH		
EUT Pol.	:H PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
37.76	S	-67.54	-51.46	-13.61	-2.47	-13.00	-54.54
111.48	S	-70.50	-66.62	-1.12	-2.77	-13.00	-57.50
195.87	S	-78.49	-79.69	4.29	-3.09	-13.00	-65.49
437.40	S	-79.29	-80.11	4.52	-3.70	-13.00	-66.29
627.52	S	-74.48	-74.59	4.08	-3.97	-13.00	-61.48
922.40	S	-75.69	-74.83	3.64	-4.50	-13.00	-62.69
1697.60	H	-34.18	-31.06	2.28	-5.40	-13.00	-21.18
2546.40	H	-34.59	-31.65	3.30	-6.24	-13.00	-21.59
3395.20	H	-45.72	-43.84	4.97	-6.85	-13.00	-32.72
4244.00	H	-50.94	-49.48	5.97	-7.43	-13.00	-37.94
5095.00	H	-51.98	-50.58	6.66	-8.06	-13.00	-38.98
5941.60	---						
6790.40	---						
7639.20	---						
8488.00	---						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
 “E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
 “---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: GRPS 850 Mode

Operation Band	:GPRS 850	Test Date	:2012-08-22
ARFCN	:CH 251	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:848.8 MHz	Engineer	:Marcus
Operation Mode	:TX HIGH		
EUT Pol.	:H PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
37.76	S	-78.36	-62.28	-13.61	-2.47	-13.00	-65.36
110.51	S	-77.19	-73.38	-1.09	-2.72	-13.00	-64.19
135.73	S	-77.65	-73.78	-1.08	-2.79	-13.00	-64.65
293.84	S	-80.50	-81.85	4.59	-3.25	-13.00	-67.50
436.43	S	-80.48	-81.31	4.53	-3.70	-13.00	-67.48
939.86	S	-76.78	-75.90	3.63	-4.51	-13.00	-63.78
1697.60	H	-34.13	-31.38	2.65	-5.40	-13.00	-21.13
2546.40	H	-37.34	-34.76	3.65	-6.24	-13.00	-24.34
3395.20	H	-46.87	-44.95	4.93	-6.85	-13.00	-33.87
4244.00	H	-48.68	-46.80	5.56	-7.43	-13.00	-35.68
5095.00	H	-52.44	-50.45	6.07	-8.06	-13.00	-39.44
5941.60	---						
6790.40	H	-48.74	-46.34	6.73	-9.13	-13.00	-35.74
7639.20	---						
8488.00	---						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
 “E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
 “---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: GRPS 1900 Mode (Worst)

Operation Band	:GPRS 1900	Test Date	:2012-08-22
ARFCN	:CH 512	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:1850.2 MHz	Engineer	:Marcus
Operation Mode	:TX LOW		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
37.76	S	-68.85	-54.92	-11.46	-2.47	-13.00	-55.85
64.92	S	-73.30	-65.84	-4.87	-2.59	-13.00	-60.30
110.51	S	-69.81	-68.16	1.06	-2.72	-13.00	-56.81
200.72	S	-78.29	-82.04	6.88	-3.14	-13.00	-65.29
611.03	S	-76.33	-78.61	6.20	-3.92	-13.00	-63.33
741.01	S	-75.37	-76.93	5.79	-4.23	-13.00	-62.37
3700.40	H	-25.44	-25.87	7.40	-6.98	-13.00	-12.44
5550.60	H	-28.32	-28.94	8.99	-8.37	-13.00	-15.32
7400.80	H	-41.34	-42.28	10.30	-9.36	-13.00	-28.34
9251.00	H	---					
11101.20	H	-43.18	-44.13	11.62	-10.67	-13.00	-30.18
12951.40	H	---					
14801.60	H	---					
16651.80	H	---					
18502.00	H	---					

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBi) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
 “E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
 “---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: GRPS 1900 Mode

Operation Band	:GPRS 1900	Test Date	:2012-08-22
ARFCN	:CH 512	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:1850.2 MHz	Engineer	:Marcus
Operation Mode	:TX LOW		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
64.92	S	-76.17	-68.71	-4.87	-2.59	-13.00	-63.17
109.54	S	-79.01	-77.37	1.08	-2.72	-13.00	-66.01
197.81	S	-78.13	-81.69	6.65	-3.09	-13.00	-65.13
284.14	S	-79.69	-83.10	6.62	-3.22	-13.00	-66.69
588.72	S	-80.03	-82.43	6.30	-3.90	-13.00	-67.03
815.70	S	-75.44	-77.31	6.09	-4.22	-13.00	-62.44
3700.40	H	-24.50	-24.43	6.91	-6.98	-13.00	-11.50
5550.60	H	-39.86	-39.77	8.27	-8.37	-13.00	-26.86
7400.80	H	-45.19	-45.39	9.56	-9.36	-13.00	-32.19
9251.00	H	---					
11101.20	H	---					
12951.40	H	---					
14801.60	H	---					
16651.80	H	---					
18502.00	H	---					

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBi) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
 “E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
 “---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: GRPS 1900 Mode

Operation Band	:GPRS 1900	Test Date	:2012-08-22
ARFCN	:CH 661	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:1880.0 MHz	Engineer	:Marcus
Operation Mode	:TX MID		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
37.76	S	-68.98	-55.05	-11.46	-2.47	-13.00	-55.98
64.92	S	-72.94	-65.48	-4.87	-2.59	-13.00	-59.94
110.51	S	-69.66	-68.01	1.06	-2.72	-13.00	-56.66
198.78	S	-79.17	-82.83	6.75	-3.09	-13.00	-66.17
442.25	S	-80.47	-83.42	6.65	-3.70	-13.00	-67.47
815.70	S	-75.61	-77.48	6.09	-4.22	-13.00	-62.61
3760.00	H	-27.14	-27.44	7.42	-7.12	-13.00	-14.14
5640.00	H	-32.31	-33.06	9.01	-8.26	-13.00	-19.31
7520.00	H	-41.71	-42.67	10.46	-9.50	-13.00	-28.71
9400.00	H	---					
11280.00	H	---					
13160.00	H	---					
15040.00	H	---					
16920.00	H	---					
18800.00	H	---					

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBi) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: GRPS 1900 Mode

Operation Band	:GPRS 1900	Test Date	:2012-08-22
ARFCN	:CH 661	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:1880.0 MHz	Engineer	:Marcus
Operation Mode	:TX MID		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
37.76	S	-81.03	-67.10	-11.46	-2.47	-13.00	-68.03
64.92	S	-75.62	-68.16	-4.87	-2.59	-13.00	-62.62
203.63	S	-78.26	-82.03	6.90	-3.14	-13.00	-65.26
290.93	S	-78.35	-81.81	6.71	-3.25	-13.00	-65.35
590.66	S	-78.68	-81.06	6.28	-3.90	-13.00	-65.68
815.70	S	-71.46	-73.33	6.09	-4.22	-13.00	-58.46
3760.00	H	-25.30	-25.03	6.85	-7.12	-13.00	-12.30
5640.00	H	-37.83	-37.86	8.30	-8.26	-13.00	-24.83
7520.00	H	-44.71	-44.91	9.69	-9.50	-13.00	-31.71
9400.00	H	---					
11280.00	H	---					
13160.00	H	---					
15040.00	H	---					
16920.00	H	---					
18800.00	H	---					

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBi) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: GRPS 1900 Mode

Operation Band	:GPRS 1900	Test Date	:2012-08-22
ARFCN	:CH 810	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:1909.8 MHz	Engineer	:Marcus
Operation Mode	:TX HIGH		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
37.76	S	-69.53	-55.61	-11.46	-2.47	-13.00	-56.53
64.92	S	-73.11	-65.65	-4.87	-2.59	-13.00	-60.11
110.51	S	-70.23	-68.58	1.06	-2.72	-13.00	-57.23
200.72	S	-79.87	-83.62	6.88	-3.14	-13.00	-66.87
543.13	S	-77.89	-80.79	6.75	-3.85	-13.00	-64.89
825.40	S	-75.56	-77.45	6.12	-4.22	-13.00	-62.56
3819.60	H	-25.65	-25.97	7.51	-7.20	-13.00	-12.65
5729.40	H	-32.36	-32.94	9.03	-8.44	-13.00	-19.36
7639.20	H	-39.68	-40.78	10.48	-9.37	-13.00	-26.68
9549.00	H	---					
11458.80	H	---					
13368.60	H	---					
15278.40	H	---					
17188.20	H	---					
19098.00	H	---					

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBi) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: GRPS 1900 Mode

Operation Band	:GPRS 1900	Test Date	:2012-08-22
ARFCN	:CH 810	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:1909.8 MHz	Engineer	:Marcus
Operation Mode	:TX HIGH		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
64.92	S	-75.41	-67.95	-4.87	-2.59	-13.00	-62.41
111.48	S	-78.51	-76.77	1.03	-2.77	-13.00	-65.51
199.75	S	-78.28	-82.05	6.85	-3.09	-13.00	-65.28
290.93	S	-78.94	-82.40	6.71	-3.25	-13.00	-65.94
667.29	S	-78.50	-80.63	6.28	-4.14	-13.00	-65.50
815.70	S	-73.44	-75.31	6.09	-4.22	-13.00	-60.44
3819.60	H	-23.87	-23.72	7.05	-7.20	-13.00	-10.87
5729.40	H	-39.69	-39.57	8.32	-8.44	-13.00	-26.69
7639.20	H	-42.85	-43.22	9.74	-9.37	-13.00	-29.85
9549.00	H	---					
11458.80	H	---					
13368.60	H	---					
15278.40	H	---					
17188.20	H	---					
19098.00	H	---					

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBi) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: WCDMA II Mode (Worst)

Operation Band	:WCDMA B2	Test Date	:2012-08-22
ARFCN	:CH 9262	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:1852.4 MHz	Engineer	:Marcus
Operation Mode	:TX LOW		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
64.92	S	-75.14	-67.68	-4.87	-2.59	-13.00	-62.14
109.54	S	-72.48	-70.85	1.08	-2.72	-13.00	-59.48
180.35	S	-75.30	-77.00	4.63	-2.93	-13.00	-62.30
262.80	S	-76.67	-80.21	6.81	-3.27	-13.00	-63.67
630.43	S	-76.74	-79.00	6.24	-3.97	-13.00	-63.74
838.98	S	-74.77	-76.68	6.15	-4.24	-13.00	-61.77
3704.80	H	-42.56	-42.99	7.40	-6.98	-13.00	-29.56
5557.20	H	-48.58	-49.29	8.99	-8.28	-13.00	-35.58
7409.60	H	-40.12	-41.05	10.31	-9.38	-13.00	-27.12
9262.00	H	-41.74	-43.05	11.69	-10.38	-13.00	-28.74
11114.40	H	-42.44	-43.24	11.65	-10.85	-13.00	-29.44
12966.80	H	-37.06	-37.47	12.09	-11.68	-13.00	-24.06
14819.20	H	---					
16671.60	H	---					
18524.00	H	---					

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBi) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
 “E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
 “---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: WCDMA II Mode

Operation Band	:WCDMA B2	Test Date	:2012-08-22
ARFCN	:CH 9262	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:1852.4 MHz	Engineer	:Marcus
Operation Mode	:TX LOW		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
36.79	S	-82.99	-68.98	-11.54	-2.47	-13.00	-69.99
64.92	S	-79.48	-72.02	-4.87	-2.59	-13.00	-66.48
109.54	S	-77.33	-75.70	1.08	-2.72	-13.00	-64.33
293.84	S	-80.47	-83.96	6.74	-3.25	-13.00	-67.47
511.12	S	-79.06	-82.16	6.84	-3.74	-13.00	-66.06
816.67	S	-75.39	-77.26	6.09	-4.22	-13.00	-62.39
3704.80	H	-48.54	-48.37	6.89	-7.06	-13.00	-35.54
5557.20	H	---					
7409.60	H	-45.46	-45.64	9.56	-9.38	-13.00	-32.46
9262.00	H	---					
11114.40	H	---					
12966.80	H	---					
14819.20	H	---					
16671.60	H	---					
18524.00	H	---					

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBi) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
 “E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
 “---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: WCDMA II Mode

Operation Band	:WCDMA B2	Test Date	:2012-08-22
ARFCN	:CH 9400	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:1880.0 MHz	Engineer	:Marcus
Operation Mode	:TX MID		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
36.79	S	-72.80	-58.79	-11.54	-2.47	-13.00	-59.80
64.92	S	-73.14	-65.68	-4.87	-2.59	-13.00	-60.14
109.54	S	-73.48	-71.85	1.08	-2.72	-13.00	-60.48
178.41	S	-76.74	-78.15	4.34	-2.93	-13.00	-63.74
437.40	S	-78.50	-81.48	6.67	-3.70	-13.00	-65.50
729.37	S	-75.72	-77.51	5.93	-4.14	-13.00	-62.72
3760.00	H	-40.36	-40.66	7.42	-7.12	-13.00	-27.36
5640.00	H	-48.91	-49.66	9.01	-8.26	-13.00	-35.91
7520.00	H	-41.43	-42.39	10.46	-9.50	-13.00	-28.43
9400.00	H	-39.74	-40.52	11.54	-10.76	-13.00	-26.74
11280.00	H	-42.47	-43.54	11.83	-10.76	-13.00	-29.47
13160.00	H	-39.62	-39.54	12.05	-12.13	-13.00	-26.62
15040.00	H	---					
16920.00	H	---					
18800.00	H	---					

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBi) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: WCDMA II Mode

Operation Band	:WCDMA B2	Test Date	:2012-08-22
ARFCN	:CH 9400	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:1880.0 MHz	Engineer	:Marcus
Operation Mode	:TX MID		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
64.92	S	-79.79	-72.33	-4.87	-2.59	-13.00	-66.79
109.54	S	-76.89	-75.26	1.08	-2.72	-13.00	-63.89
177.44	S	-79.36	-80.62	4.19	-2.93	-13.00	-66.36
292.87	S	-79.87	-83.35	6.73	-3.25	-13.00	-66.87
605.21	S	-79.24	-81.50	6.19	-3.92	-13.00	-66.24
874.87	S	-75.20	-76.83	5.99	-4.36	-13.00	-62.20
3760.00	H	-43.89	-43.62	6.85	-7.12	-13.00	-30.89
5640.00	H	---					
7520.00	H	-44.72	-44.87	9.69	-9.54	-13.00	-31.72
9400.00	H	---					
11280.00	H	---					
13160.00	H	---					
15040.00	H	---					
16920.00	H	---					
18800.00	H	---					

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBi) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: WCDMA II Mode

Operation Band	:WCDMA B2	Test Date	:2012-08-22
ARFCN	:CH 9538	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:1907.6 MHz	Engineer	:Marcus
Operation Mode	:TX HIGH		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
37.76	S	-72.61	-58.69	-11.46	-2.47	-13.00	-59.61
64.92	S	-73.21	-65.75	-4.87	-2.59	-13.00	-60.21
110.51	S	-73.36	-71.71	1.06	-2.72	-13.00	-60.36
437.40	S	-77.70	-80.67	6.67	-3.70	-13.00	-64.70
643.04	S	-77.63	-79.91	6.26	-3.98	-13.00	-64.63
780.78	S	-75.68	-77.44	5.91	-4.16	-13.00	-62.68
3815.00	H	-40.55	-40.86	7.50	-7.20	-13.00	-27.55
5722.80	H	-47.21	-47.80	9.03	-8.44	-13.00	-34.21
7630.40	H	-45.94	-46.96	10.47	-9.45	-13.00	-32.94
9538.00	H	---					
11445.60	H	-41.50	-42.23	11.45	-10.72	-13.00	-28.50
13353.20	H	---					
15260.80	H	---					
17168.40	H	---					
19076.00	H	---					

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBi) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: WCDMA II Mode

Operation Band	:WCDMA B2	Test Date	:2012-08-22
ARFCN	:CH 9538	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:1907.6 MHz	Engineer	:Marcus
Operation Mode	:TX HIGH		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
37.76	S	-83.07	-69.15	-11.46	-2.47	-13.00	-70.07
64.92	S	-80.21	-72.75	-4.87	-2.59	-13.00	-67.21
177.44	S	-79.41	-80.67	4.19	-2.93	-13.00	-66.41
292.87	S	-80.84	-84.32	6.73	-3.25	-13.00	-67.84
444.19	S	-80.05	-82.99	6.65	-3.70	-13.00	-67.05
787.57	S	-75.71	-77.51	5.96	-4.16	-13.00	-62.71
3815.00	H	-43.59	-43.44	7.05	-7.20	-13.00	-30.59
5722.80	H	---					
7630.40	H	---					
9538.00	H	---					
11445.60	H	---					
13353.20	H	---					
15260.80	H	---					
17168.40	H	---					
19076.00	H	---					

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBi) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: HSDPA V Mode (Worst)

Operation Band	:HSDPA B5	Test Date	:2012-08-22
ARFCN	:CH 4132	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:826.4MHz	Engineer	:Marcus
Operation Mode	:TX LOW		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
36.79	S	-74.07	-57.92	-13.69	-2.47	-13.00	-61.07
64.92	S	-75.10	-65.49	-7.02	-2.59	-13.00	-62.10
128.94	S	-75.33	-71.77	-0.78	-2.79	-13.00	-62.33
291.90	S	-82.77	-84.09	4.57	-3.25	-13.00	-69.77
393.75	S	-83.39	-84.57	4.74	-3.56	-13.00	-70.39
623.64	S	-78.78	-78.89	4.07	-3.97	-13.00	-65.78
1652.80	H	-53.80	-50.83	2.38	-5.36	-13.00	-40.80
2479.20	H	-56.53	-53.52	3.14	-6.15	-13.00	-43.53
3305.60	H	-52.19	-50.07	4.71	-6.83	-13.00	-39.19
4132.00	H	-51.00	-49.51	5.82	-7.31	-13.00	-38.00
4958.40	H	---					
5784.80	H	---					
6611.20	H	---					
7437.60	H	---					
8264.00	H	---					

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
 “E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
 “---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: HSDPA V Mode

Operation Band	:HSDPA B5	Test Date	:2012-08-22
ARFCN	:CH 4132	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:826.4MHz	Engineer	:Marcus
Operation Mode	:TX LOW		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
64.92	S	-79.04	-69.43	-7.02	-2.59	-13.00	-66.04
110.51	S	-78.77	-74.97	-1.09	-2.72	-13.00	-65.77
174.53	S	-81.40	-80.05	1.59	-2.93	-13.00	-68.40
291.90	S	-82.42	-83.74	4.57	-3.25	-13.00	-69.42
444.19	S	-82.49	-83.28	4.50	-3.70	-13.00	-69.49
750.71	S	-79.16	-78.47	3.54	-4.23	-13.00	-66.16
1652.80	H	-40.45	-37.77	2.68	-5.36	-13.00	-27.45
2479.20	H	-57.08	-54.45	3.52	-6.15	-13.00	-44.08
3305.60	H	---					
4132.00	H	-54.72	-52.93	5.53	-7.32	-13.00	-41.72
4958.40	H	---					
5784.80	H	---					
6611.20	H	---					
7437.60	H	---					
8264.00	H	---					

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
 “E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
 “---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: HSDPA V Mode

Operation Band	:HSDPA B5	Test Date	:2012-08-22
ARFCN	:CH 4183	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:836.6MHz	Engineer	:Marcus
Operation Mode	:TX MID		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
37.76	S	-75.07	-58.99	-13.61	-2.47	-13.00	-62.07
64.92	S	-74.62	-65.01	-7.02	-2.59	-13.00	-61.62
128.94	S	-75.22	-71.65	-0.78	-2.79	-13.00	-62.22
266.68	S	-81.54	-82.87	4.60	-3.27	-13.00	-68.54
463.59	S	-82.54	-83.36	4.54	-3.72	-13.00	-69.54
952.47	S	-75.91	-75.05	3.65	-4.51	-13.00	-62.91
1673.20	H	-58.14	-55.13	2.33	-5.34	-13.00	-45.14
2509.80	H	---					
3346.40	H	---					
4183.00	H	-48.35	-46.77	5.88	-7.47	-13.00	-35.35
5019.60	H	---					
5856.20	H	---					
6692.80	H	---					
7529.40	H	---					
8366.00	H	---					

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: HSDPA V Mode

Operation Band	:HSDPA B5	Test Date	:2012-08-22
ARFCN	:CH 4183	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:836.6MHz	Engineer	:Marcus
Operation Mode	:TX MID		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
64.92	S	-79.89	-70.28	-7.02	-2.59	-13.00	-66.89
110.51	S	-78.81	-75.00	-1.09	-2.72	-13.00	-65.81
174.53	S	-81.58	-80.23	1.59	-2.93	-13.00	-68.58
277.35	S	-78.27	-79.50	4.46	-3.22	-13.00	-65.27
444.19	S	-80.90	-81.70	4.50	-3.70	-13.00	-67.90
932.10	S	-76.76	-75.89	3.64	-4.50	-13.00	-63.76
1673.20	H	-50.92	-48.24	2.66	-5.34	-13.00	-37.92
2509.80	H	---					
3346.40	H	---					
4183.00	H	-53.79	-51.86	5.54	-7.47	-13.00	-40.79
5019.60	H	---					
5856.20	H	---					
6692.80	H	---					
7529.40	H	---					
8366.00	H	---					

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: HSDPA V Mode

Operation Band	:HSDPA B5	Test Date	:2012-08-22
ARFCN	:CH 4233	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:848.8MHz	Engineer	:Marcus
Operation Mode	:TX HIGH		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
36.79	S	-74.31	-58.15	-13.69	-2.47	-13.00	-61.31
64.92	S	-74.93	-65.32	-7.02	-2.59	-13.00	-61.93
128.94	S	-75.24	-71.67	-0.78	-2.79	-13.00	-62.24
174.53	S	-80.72	-79.37	1.59	-2.93	-13.00	-67.72
589.69	S	-78.60	-78.84	4.14	-3.90	-13.00	-65.60
967.99	S	-75.17	-74.49	3.77	-4.45	-13.00	-62.17
1693.20	H	-58.35	-55.31	2.30	-5.34	-13.00	-45.35
2539.80	H	---					
3386.40	H	---					
4233.00	H	-50.95	-49.47	5.95	-7.43	-13.00	-37.95
5079.60	H	---					
5926.20	H	---					
6772.80	H	---					
7619.40	H	---					
8466.00	H	---					

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: HSDPA V Mode

Operation Band	:HSDPA B5	Test Date	:2012-08-22
ARFCN	:CH 4233	Temp./Humi.	:25 deg_C / 60 RH
Fundamental Frequency	:848.8MHz	Engineer	:Marcus
Operation Mode	:TX HIGH		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
64.92	S	-79.81	-70.21	-7.02	-2.59	-13.00	-66.81
109.54	S	-78.73	-74.94	-1.07	-2.72	-13.00	-65.73
174.53	S	-81.56	-80.21	1.59	-2.93	-13.00	-68.56
291.90	S	-82.43	-83.75	4.57	-3.25	-13.00	-69.43
444.19	S	-81.41	-82.20	4.50	-3.70	-13.00	-68.41
713.85	S	-78.40	-78.39	3.97	-3.98	-13.00	-65.40
1693.20	H	-51.64	-48.95	2.65	-5.34	-13.00	-38.64
2539.80	H	---					
3386.40	H	---					
4233.00	H	-54.76	-52.88	5.55	-7.43	-13.00	-41.76
5079.60	H	---					
5926.20	H	---					
6772.80	H	---					
7619.40	H	---					
8466.00	H	---					

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 1.4MHz BW LTE-Band 4(Worst)

Operation Band	:BAND 4	Test Date	:2012-09-10
ARFCN	:CH 19957	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1710.7 MHz	Engineer	:Tai
Operation Mode	:TX 1.4M 16QAM RB1,5	Measurement	:VERTICAL
EUT Pol.	:E2 PLAN	Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
35.82	S	-71.07	-56.99	-11.62	-2.47	-13.00	-58.07
55.22	S	-77.24	-67.17	-7.34	-2.73	-13.00	-64.24
118.27	S	-76.72	-74.78	0.83	-2.77	-13.00	-63.72
207.51	S	-79.15	-82.94	6.93	-3.14	-13.00	-66.15
870.02	S	-67.45	-69.12	6.03	-4.36	-13.00	-54.45
953.44	S	-66.11	-67.41	5.81	-4.51	-13.00	-53.11
3421.40	H	-42.91	-43.21	7.19	-6.89	-13.00	-29.91
5132.10	H						
6842.80	H						
8553.50	H						
10264.20	H						
11974.90	H						
13685.60	H						
15396.30	H						
17107.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 1.4MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-10
ARFCN	:CH 19957	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1710.7 MHz	Engineer	:Tai
Operation Mode	:TX 1.4M 16QAM RB1,5		
EUT Pol.	:E2 PLAN	Measurement	:HORIZONTAL
		Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
93.05	S	-78.28	-76.62	1.06	-2.72	-13.00	-65.28
109.54	S	-75.18	-73.55	1.08	-2.72	-13.00	-62.18
123.12	S	-73.79	-72.02	0.99	-2.77	-13.00	-60.79
209.45	S	-75.13	-78.93	6.94	-3.14	-13.00	-62.13
291.90	S	-75.75	-79.22	6.72	-3.25	-13.00	-62.75
956.35	S	-74.64	-76.02	5.83	-4.45	-13.00	-61.64
3421.40	H	-46.34	-46.60	7.15	-6.89	-13.00	-33.34
5132.10	H						
6842.80	H						
8553.50	H						
10264.20	H						
11974.90	H						
13685.60	H						
15396.30	H						
17107.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 1.4MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-10
ARFCN	:CH 20175	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1732.5 MHz	Engineer	:Tai
Operation Mode	:TX 1.4M 16QAM RB1,5		
EUT Pol.	:E2 PLAN	Measurement	:VERTICAL
		Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
33.88	S	-67.24	-52.97	-11.80	-2.47	-13.00	-54.24
56.19	S	-73.71	-63.88	-7.09	-2.73	-13.00	-60.71
82.38	S	-76.49	-74.19	0.36	-2.67	-13.00	-63.49
121.18	S	-75.64	-73.73	0.86	-2.77	-13.00	-62.64
208.48	S	-77.55	-81.35	6.94	-3.14	-13.00	-64.55
999.03	S	-72.32	-73.98	6.14	-4.49	-13.00	-59.32
3465.00	H	-45.12	-45.44	7.31	-6.99	-13.00	-32.12
5197.50	H						
6930.00	H						
8662.50	H						
10395.00	H						
12127.50	H						
13860.00	H						
15592.50	H						
17325.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 1.4MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-10
ARFCN	:CH 20175	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1732.5 MHz	Engineer	:Tai
Operation Mode	:TX 1.4M 16QAM RB1,5	Measurement	:HORIZONTAL
EUT Pol.	:E2 PLAN	Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
91.11	S	-79.65	-78.01	1.03	-2.67	-13.00	-66.65
121.18	S	-76.35	-74.45	0.86	-2.77	-13.00	-63.35
132.82	S	-75.96	-74.43	1.26	-2.79	-13.00	-62.96
209.45	S	-76.51	-80.32	6.94	-3.14	-13.00	-63.51
375.32	S	-78.11	-81.45	6.76	-3.43	-13.00	-65.11
870.99	S	-67.64	-69.31	6.02	-4.36	-13.00	-54.64
3465.00	H	-45.24	-45.49	7.24	-6.99	-13.00	-32.24
5197.50	H						
6930.00	H						
8662.50	H						
10395.00	H						
12127.50	H						
13860.00	H						
15592.50	H						
17325.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 1.4MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-10
ARFCN	:CH 20393	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1754.3 MHz	Engineer	:Tai
Operation Mode	:TX 1.4M 16QAM RB1,5	Measurement	:VERTICAL
EUT Pol.	:E2 PLAN	Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
35.82	S	-72.90	-58.82	-11.62	-2.47	-13.00	-59.90
63.95	S	-79.15	-71.44	-5.11	-2.59	-13.00	-66.15
123.12	S	-77.87	-76.10	0.99	-2.77	-13.00	-64.87
205.57	S	-80.01	-83.79	6.92	-3.14	-13.00	-67.01
534.40	S	-78.58	-81.58	6.77	-3.77	-13.00	-65.58
993.21	S	-72.79	-74.40	6.10	-4.49	-13.00	-59.79
3508.60	H	-50.94	-51.35	7.40	-6.99	-13.00	-37.94
5262.90	H						
7017.20	H						
8771.50	H						
10525.80	H						
12280.10	H						
14034.40	H						
15788.70	H						
17543.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 1.4MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-10
ARFCN	:CH 20393	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1754.3 MHz	Engineer	:Tai
Operation Mode	:TX 1.4M 16QAM RB1,5		
EUT Pol.	:E2 PLAN	Measurement	:HORIZONTAL
		Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
95.96	S	-79.49	-77.88	1.10	-2.72	-13.00	-66.49
115.36	S	-77.88	-76.03	0.92	-2.77	-13.00	-64.88
206.54	S	-80.26	-84.05	6.92	-3.14	-13.00	-67.26
291.90	S	-75.29	-78.76	6.72	-3.25	-13.00	-62.29
375.32	S	-78.87	-82.21	6.76	-3.43	-13.00	-65.87
966.05	S	-74.44	-75.89	5.90	-4.45	-13.00	-61.44
3508.60	H	-49.43	-49.74	7.30	-6.99	-13.00	-36.43
5262.90	H						
7017.20	H						
8771.50	H						
10525.80	H						
12280.10	H						
14034.40	H						
15788.70	H						
17543.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 1.4MHz BW LTE-Band 4(Worst)

Operation Band	:BAND 4	Test Date	:2012-09-10
ARFCN	:CH 19957	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1710.7 MHz	Engineer	:Tai
Operation Mode	:TX 1.4M 16QAM RB1,0	Measurement	:VERTICAL
EUT Pol.	:E2 PLAN	Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
35.82	S	-70.28	-56.20	-11.62	-2.47	-13.00	-57.28
56.19	S	-77.30	-67.48	-7.09	-2.73	-13.00	-64.30
89.17	S	-79.70	-77.98	0.94	-2.67	-13.00	-66.70
122.15	S	-75.46	-73.62	0.93	-2.77	-13.00	-62.46
208.48	S	-80.56	-84.35	6.94	-3.14	-13.00	-67.56
870.99	S	-71.26	-72.92	6.02	-4.36	-13.00	-58.26
3421.40	H	-46.64	-46.95	7.19	-6.89	-13.00	-33.64
5132.10	H						
6842.80	H						
8553.50	H						
10264.20	H						
11974.90	H						
13685.60	H						
15396.30	H						
17107.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 1.4MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-10
ARFCN	:CH 19957	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1710.7 MHz	Engineer	:Tai
Operation Mode	:TX 1.4M 16QAM RB1,0		
EUT Pol.	:E2 PLAN	Measurement	:HORIZONTAL
		Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
95.96	S	-78.21	-76.60	1.10	-2.72	-13.00	-65.21
132.82	S	-77.45	-75.92	1.26	-2.79	-13.00	-64.45
204.60	S	-79.75	-83.52	6.91	-3.14	-13.00	-66.75
292.87	S	-74.64	-78.12	6.73	-3.25	-13.00	-61.64
437.40	S	-79.01	-81.99	6.67	-3.70	-13.00	-66.01
907.85	S	-66.80	-68.17	5.80	-4.42	-13.00	-53.80
3421.40	H	-50.04	-50.29	7.14	-6.89	-13.00	-37.04
5132.10	H						
6842.80	H						
8553.50	H						
10264.20	H						
11974.90	H						
13685.60	H						
15396.30	H						
17107.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 1.4MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-10
ARFCN	:CH 20175	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1732.5 MHz	Engineer	:Tai
Operation Mode	:TX 1.4M 16QAM RB1,0		
EUT Pol.	:E2 PLAN	Measurement	:VERTICAL
		Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
36.79	S	-69.27	-55.27	-11.54	-2.47	-13.00	-56.27
55.22	S	-77.06	-66.99	-7.34	-2.73	-13.00	-64.06
123.12	S	-75.70	-73.92	0.99	-2.77	-13.00	-62.70
202.66	S	-80.03	-83.79	6.90	-3.14	-13.00	-67.03
870.99	S	-72.82	-74.48	6.02	-4.36	-13.00	-59.82
942.77	S	-71.34	-72.61	5.78	-4.51	-13.00	-58.34
3465.00	H	-45.14	-45.46	7.31	-6.99	-13.00	-32.14
5197.50	H						
6930.00	H						
8662.50	H						
10395.00	H						
12127.50	H						
13860.00	H						
15592.50	H						
17325.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 1.4MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-10
ARFCN	:CH 20175	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1732.5 MHz	Engineer	:Tai
Operation Mode	:TX 1.4M 16QAM RB1,0	Measurement	:HORIZONTAL
EUT Pol.	:E2 PLAN	Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
95.96	S	-77.74	-76.13	1.10	-2.72	-13.00	-64.74
132.82	S	-77.35	-75.82	1.26	-2.79	-13.00	-64.35
205.57	S	-78.59	-82.37	6.92	-3.14	-13.00	-65.59
292.87	S	-76.67	-80.15	6.73	-3.25	-13.00	-63.67
444.19	S	-79.25	-82.20	6.65	-3.70	-13.00	-66.25
975.75	S	-74.99	-76.47	5.97	-4.49	-13.00	-61.99
3465.00	H	-47.17	-47.42	7.24	-6.99	-13.00	-34.17
5197.50	H						
6930.00	H						
8662.50	H						
10395.00	H						
12127.50	H						
13860.00	H						
15592.50	H						
17325.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 1.4MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-10
ARFCN	:CH 20393	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1754.3 MHz	Engineer	:Tai
Operation Mode	:TX 1.4M 16QAM RB1,0		
EUT Pol.	:E2 PLAN	Measurement	:VERTICAL
		Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
36.79	S	-65.99	-51.98	-11.54	-2.47	-13.00	-52.99
53.28	S	-73.25	-62.66	-7.86	-2.73	-13.00	-60.25
86.26	S	-77.08	-75.11	0.70	-2.67	-13.00	-64.08
123.12	S	-75.24	-73.47	0.99	-2.77	-13.00	-62.24
207.51	S	-77.54	-81.33	6.93	-3.14	-13.00	-64.54
942.77	S	-72.69	-73.96	5.78	-4.51	-13.00	-59.69
3508.60	H	-47.31	-47.73	7.40	-6.99	-13.00	-34.31
5262.90	H						
7017.20	H						
8771.50	H						
10525.80	H						
12280.10	H						
14034.40	H						
15788.70	H						
17543.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 1.4MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-10
ARFCN	:CH 20393	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1754.3 MHz	Engineer	:Tai
Operation Mode	:TX 1.4M 16QAM RB1,0		
EUT Pol.	:E2 PLAN	Measurement	:HORIZONTAL
		Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
95.96	S	-79.62	-78.00	1.10	-2.72	-13.00	-66.62
118.27	S	-77.21	-75.27	0.83	-2.77	-13.00	-64.21
209.45	S	-78.74	-82.55	6.94	-3.14	-13.00	-65.74
375.32	S	-77.73	-81.07	6.76	-3.43	-13.00	-64.73
870.99	S	-65.63	-67.29	6.02	-4.36	-13.00	-52.63
942.77	S	-68.24	-69.51	5.78	-4.51	-13.00	-55.24
3508.60	H	-45.65	-45.96	7.30	-6.99	-13.00	-32.65
5262.90	H						
7017.20	H						
8771.50	H						
10525.80	H						
12280.10	H						
14034.40	H						
15788.70	H						
17543.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 3MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-07
ARFCN	:CH 19965	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1711.5 MHz	Engineer	:Tai
Operation Mode	:TX 3M QPSK RB1,14		
EUT Pol.	:E2 PLAN	Measurement	:VERTICAL
		Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
36.79	S	-72.53	-56.38	-13.69	-2.47	-13.00	-59.53
57.16	S	-78.83	-67.24	-9.00	-2.59	-13.00	-65.83
114.39	S	-78.66	-74.69	-1.20	-2.77	-13.00	-65.66
127.97	S	-80.23	-76.62	-0.84	-2.77	-13.00	-67.23
199.75	S	-81.80	-83.41	4.70	-3.09	-13.00	-68.80
999.03	S	-74.45	-73.96	3.99	-4.49	-13.00	-61.45
3423.00	H	-39.03	-39.33	7.19	-6.89	-13.00	-26.03
5134.50	H	-49.28	-49.98	8.81	-8.11	-13.00	-36.28
6846.00	H						
8557.50	H						
10269.00	H						
11980.50	H						
13692.00	H						
15403.50	H						
17115.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Radiated Spurious Emission Measurement Result: 3MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-07
ARFCN	:CH 19965	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1711.5 MHz	Engineer	:Tai
Operation Mode	:TX 3M QPSK RB1,14	Measurement	:HORIZONTAL
EUT Pol.	:E2 PLAN	Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
95.96	S	-80.14	-76.37	-1.05	-2.72	-13.00	-67.14
110.51	S	-80.42	-76.62	-1.09	-2.72	-13.00	-67.42
129.91	S	-78.79	-75.29	-0.72	-2.79	-13.00	-65.79
206.54	S	-79.00	-80.64	4.77	-3.14	-13.00	-66.00
292.87	S	-79.27	-80.60	4.58	-3.25	-13.00	-66.27
965.08	S	-76.40	-75.70	3.74	-4.45	-13.00	-63.40
3423.00	H	-42.74	-42.99	7.14	-6.89	-13.00	-29.74
5134.50	H						
6846.00	H						
8557.50	H						
10269.00	H						
11980.50	H						
13692.00	H						
15403.50	H						
17115.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 3MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-07
ARFCN	:CH 20175	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1732.5 MHz	Engineer	:Tai
Operation Mode	:TX 3M QPSK RB1,14	Measurement	:VERTICAL
EUT Pol.	:E2 PLAN	Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
36.79	S	-72.19	-56.04	-13.69	-2.47	-13.00	-59.19
57.16	S	-78.52	-66.93	-9.00	-2.59	-13.00	-65.52
115.36	S	-78.54	-74.54	-1.23	-2.77	-13.00	-65.54
129.91	S	-78.96	-75.46	-0.72	-2.79	-13.00	-65.96
201.69	S	-82.66	-84.26	4.74	-3.14	-13.00	-69.66
929.19	S	-75.38	-74.52	3.64	-4.50	-13.00	-62.38
3465.00	H	-42.59	-42.91	7.31	-6.99	-13.00	-29.59
5197.50	H						
6930.00	H						
8662.50	H						
10395.00	H						
12127.50	H						
13860.00	H						
15592.50	H						
17325.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 3MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-07
ARFCN	:CH 20175	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1732.5 MHz	Engineer	:Tai
Operation Mode	:TX 3M QPSK RB1,14	Measurement	:HORIZONTAL
EUT Pol.	:E2 PLAN	Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
94.99	S	-78.69	-74.91	-1.06	-2.72	-13.00	-65.69
129.91	S	-78.14	-74.64	-0.72	-2.79	-13.00	-65.14
207.51	S	-78.75	-80.39	4.78	-3.14	-13.00	-65.75
292.87	S	-77.12	-78.45	4.58	-3.25	-13.00	-64.12
444.19	S	-81.92	-82.72	4.50	-3.70	-13.00	-68.92
965.08	S	-76.38	-75.67	3.74	-4.45	-13.00	-63.38
3465.00	H	-47.49	-47.74	7.24	-6.99	-13.00	-34.49
5197.50	H						
6930.00	H						
8662.50	H						
10395.00	H						
12127.50	H						
13860.00	H						
15592.50	H						
17325.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 3MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-07
ARFCN	:CH 20385	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1753.5 MHz	Engineer	:Tai
Operation Mode	:TX 3M QPSK RB1,14		
EUT Pol.	:E2 PLAN	Measurement	:VERTICAL
		Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
36.79	S	-72.27	-56.11	-13.69	-2.47	-13.00	-59.27
57.16	S	-78.84	-67.25	-9.00	-2.59	-13.00	-65.84
109.54	S	-80.51	-76.73	-1.07	-2.72	-13.00	-67.51
129.91	S	-81.01	-77.51	-0.72	-2.79	-13.00	-68.01
203.63	S	-81.05	-82.66	4.75	-3.14	-13.00	-68.05
998.06	S	-74.49	-73.99	3.99	-4.49	-13.00	-61.49
3507.00	H	-44.08	-44.48	7.40	-7.01	-13.00	-31.08
5260.50	H						
7014.00	H						
8767.50	H						
10521.00	H						
12274.50	H						
14028.00	H						
15781.50	H						
17535.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 3MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-07
ARFCN	:CH 20385	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1753.5 MHz	Engineer	:Tai
Operation Mode	:TX 3M QPSK RB1,14		
EUT Pol.	:E2 PLAN	Measurement	:HORIZONTAL
		Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
95.96	S	-78.16	-74.40	-1.05	-2.72	-13.00	-65.16
115.36	S	-78.53	-74.53	-1.23	-2.77	-13.00	-65.53
129.91	S	-78.79	-75.28	-0.72	-2.79	-13.00	-65.79
207.51	S	-79.97	-81.62	4.78	-3.14	-13.00	-66.97
292.87	S	-77.61	-78.94	4.58	-3.25	-13.00	-64.61
986.42	S	-76.94	-76.35	3.90	-4.49	-13.00	-63.94
3507.00	H	-47.60	-47.90	7.31	-7.01	-13.00	-34.60
5260.50	H						
7014.00	H						
8767.50	H						
10521.00	H						
12274.50	H						
14028.00	H						
15781.50	H						
17535.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 3MHz BW LTE-Band 4 (Worst)

Operation Band	:BAND 4	Test Date	:2012-09-06
ARFCN	:CH 19965	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1711.5 MHz	Engineer	:Tai
Operation Mode	:TX 3M 16QAM RB1,0	Measurement	:VERTICAL
EUT Pol.	:E2 PLAN	Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
36.79	S	-73.26	-57.11	-13.69	-2.47	-13.00	-60.26
56.19	S	-78.23	-66.26	-9.24	-2.73	-13.00	-65.23
110.51	S	-78.29	-74.49	-1.09	-2.72	-13.00	-65.29
127.97	S	-79.67	-76.06	-0.84	-2.77	-13.00	-66.67
203.63	S	-82.61	-84.22	4.75	-3.14	-13.00	-69.61
975.75	S	-75.12	-74.45	3.82	-4.49	-13.00	-62.12
3423.00	H	-39.46	-39.77	7.19	-6.89	-13.00	-26.46
5134.50	H	-48.04	-48.74	8.81	-8.11	-13.00	-35.04
6846.00	H						
8557.50	H						
10269.00	H						
11980.50	H						
13692.00	H						
15403.50	H						
17115.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 3MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-06
ARFCN	:CH 19965	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1711.5 MHz	Engineer	:Tai
Operation Mode	:TX 3M 16QAM RB1,0	Measurement	:HORIZONTAL
EUT Pol.	:E2 PLAN	Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
95.96	S	-78.39	-74.62	-1.05	-2.72	-13.00	-65.39
115.36	S	-77.99	-73.99	-1.23	-2.77	-13.00	-64.99
131.85	S	-80.03	-76.41	-0.83	-2.79	-13.00	-67.03
208.48	S	-81.24	-82.89	4.79	-3.14	-13.00	-68.24
290.93	S	-79.85	-81.16	4.56	-3.25	-13.00	-66.85
963.14	S	-76.80	-76.08	3.73	-4.45	-13.00	-63.80
3423.00	H	-43.72	-43.97	7.14	-6.89	-13.00	-30.72
5134.50	H	-48.24	-48.37	8.23	-8.11	-13.00	-35.24
6846.00	H						
8557.50	H						
10269.00	H						
11980.50	H						
13692.00	H						
15403.50	H						
17115.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
 “E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
 “---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Radiated Spurious Emission Measurement Result: 3MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-06
ARFCN	:CH 20175	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1732.5 MHz	Engineer	:Tai
Operation Mode	:TX 3M 16QAM RB1,0		
EUT Pol.	:E2 PLAN	Measurement	:VERTICAL
		Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
36.79	S	-69.16	-55.15	-11.54	-2.47	-13.00	-56.16
55.22	S	-77.74	-67.66	-7.34	-2.73	-13.00	-64.74
86.26	S	-79.84	-77.88	0.70	-2.67	-13.00	-66.84
122.15	S	-75.94	-74.10	0.93	-2.77	-13.00	-62.94
209.45	S	-78.64	-82.45	6.94	-3.14	-13.00	-65.64
870.99	S	-71.29	-72.95	6.02	-4.36	-13.00	-58.29
3465.00	H	-42.03	-42.35	7.31	-6.99	-13.00	-29.03
5197.50	H						
6930.00	H						
8662.50	H						
10395.00	H						
12127.50	H						
13860.00	H						
15592.50	H						
17325.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
 “E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
 “---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Radiated Spurious Emission Measurement Result: 3MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-06
ARFCN	:CH 20175	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1732.5 MHz	Engineer	:Tai
Operation Mode	:TX 3M 16QAM RB1,0	Measurement	:HORIZONTAL
EUT Pol.	:E2 PLAN	Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
94.99	S	-80.91	-79.28	1.09	-2.72	-13.00	-67.91
122.15	S	-77.84	-76.00	0.93	-2.77	-13.00	-64.84
208.48	S	-79.82	-83.62	6.94	-3.14	-13.00	-66.82
289.96	S	-80.14	-83.62	6.70	-3.22	-13.00	-67.14
375.32	S	-77.95	-81.29	6.76	-3.43	-13.00	-64.95
984.48	S	-75.00	-76.54	6.04	-4.49	-13.00	-62.00
3465.00	H	-46.04	-46.29	7.24	-6.99	-13.00	-33.04
5197.50	H						
6930.00	H						
8662.50	H						
10395.00	H						
12127.50	H						
13860.00	H						
15592.50	H						
17325.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 3MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-06
ARFCN	:CH 20385	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1753.5 MHz	Engineer	:Tai
Operation Mode	:TX 3M 16QAM RB1,0	Measurement	:VERTICAL
EUT Pol.	:E2 PLAN	Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
35.82	S	-72.41	-58.32	-11.62	-2.47	-13.00	-59.41
63.95	S	-79.03	-71.33	-5.11	-2.59	-13.00	-66.03
82.38	S	-79.49	-77.19	0.36	-2.67	-13.00	-66.49
121.18	S	-78.03	-76.13	0.86	-2.77	-13.00	-65.03
207.51	S	-80.09	-83.89	6.93	-3.14	-13.00	-67.09
870.99	S	-72.01	-73.68	6.02	-4.36	-13.00	-59.01
3507.00	H	-45.56	-45.96	7.40	-7.01	-13.00	-32.56
5260.50	H						
7014.00	H						
8767.50	H						
10521.00	H						
12274.50	H						
14028.00	H						
15781.50	H						
17535.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : "F" : denotes Fundamental Frequency. ; "H" : denotes Harmonic Frequency.

"E" : denotes Band Edge Frequency. ; "S" : denotes Spurious Frequency.

"---" : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 3MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-06
ARFCN	:CH 20385	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1753.5 MHz	Engineer	:Tai
Operation Mode	:TX 3M 16QAM RB1,0	Measurement	:HORIZONTAL
EUT Pol.	:E2 PLAN	Antenna Pol.	

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	Margin dB
97.90	S	-79.80	-78.21	1.13	-2.72	-13.00	-66.80
122.15	S	-77.99	-76.15	0.93	-2.77	-13.00	-64.99
208.48	S	-78.68	-82.48	6.94	-3.14	-13.00	-65.68
292.87	S	-79.58	-83.06	6.73	-3.25	-13.00	-66.58
375.32	S	-77.68	-81.02	6.76	-3.43	-13.00	-64.68
870.99	S	-73.95	-75.61	6.02	-4.36	-13.00	-60.95
3507.00	H	-45.42	-45.73	7.31	-7.01	-13.00	-32.42
5260.50	H						
7014.00	H						
8767.50	H						
10521.00	H						
12274.50	H						
14028.00	H						
15781.50	H						
17535.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBd) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 4(Worst)

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 19975	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1712.5 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,24 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
36.79	S	-63.88	-49.87	-11.54	-2.47	-13.00	-50.88
55.22	S	-69.94	-59.86	-7.34	-2.73	-13.00	-56.94
122.15	S	-72.83	-70.99	0.93	-2.77	-13.00	-59.83
203.63	S	-76.56	-80.32	6.90	-3.14	-13.00	-63.56
870.99	S	-71.59	-73.25	6.02	-4.36	-13.00	-58.59
942.77	S	-71.38	-72.65	5.78	-4.51	-13.00	-58.38
3425.00	H	-46.37	-46.70	7.22	-6.89	-13.00	-33.37
5137.50	H	-47.25	-48.02	8.81	-8.03	-13.00	-34.25
6850.00	H						
8562.50	H						
10275.00	H						
11987.50	H						
13700.00	H						
15412.50	H						
17125.00	H						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
 “E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
 “---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 19975	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1712.5 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,24 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
91.11	S	-77.28	-75.64	1.03	-2.67	-13.00	-64.28
110.51	S	-74.47	-72.82	1.06	-2.72	-13.00	-61.47
124.09	S	-73.63	-71.92	1.06	-2.77	-13.00	-60.63
134.76	S	-75.14	-73.48	1.13	-2.79	-13.00	-62.14
211.39	S	-75.56	-79.38	6.96	-3.14	-13.00	-62.56
870.99	S	-71.78	-73.44	6.02	-4.36	-13.00	-58.78
3425.00	H	-45.68	-45.95	7.16	-6.89	-13.00	-32.68
5137.50	H	-46.20	-46.40	8.23	-8.03	-13.00	-33.20
6850.00	H						
8562.50	H						
10275.00	H						
11987.50	H						
13700.00	H						
15412.50	H						
17125.00	H						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
 “E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
 “---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 20175	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1732.5 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,24 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
36.79	S	-64.50	-50.50	-11.54	-2.47	-13.00	-51.50
54.25	S	-71.68	-61.35	-7.60	-2.73	-13.00	-58.68
109.54	S	-74.79	-73.16	1.08	-2.72	-13.00	-61.79
124.09	S	-74.19	-72.48	1.06	-2.77	-13.00	-61.19
212.36	S	-76.48	-80.30	6.96	-3.14	-13.00	-63.48
870.99	S	-72.60	-74.27	6.02	-4.36	-13.00	-59.60
3465.00	H	-38.14	-38.48	7.32	-6.99	-13.00	-25.14
5197.50	H	-46.66	-47.40	8.81	-8.07	-13.00	-33.66
6930.00	H						
8662.50	H						
10395.00	H						
12127.50	H						
13860.00	H						
15592.50	H						
17325.00	H						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
 “E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
 “---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 20175	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1732.5 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,24 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
93.05	S	-78.28	-76.62	1.06	-2.72	-13.00	-65.28
123.12	S	-73.79	-72.02	0.99	-2.77	-13.00	-60.79
209.45	S	-75.13	-78.93	6.94	-3.14	-13.00	-62.13
291.90	S	-73.75	-77.22	6.72	-3.25	-13.00	-60.75
749.74	S	-73.90	-75.35	5.68	-4.23	-13.00	-60.90
870.99	S	-72.84	-74.50	6.02	-4.36	-13.00	-59.84
3465.00	H	-41.55	-41.81	7.25	-6.99	-13.00	-28.55
5197.50	H						
6930.00	H						
8662.50	H						
10395.00	H						
12127.50	H						
13860.00	H						
15592.50	H						
17325.00	H						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
 “E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
 “---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 20375	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1752.2 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,24 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
37.76	S	-67.26	-53.34	-11.46	-2.47	-13.00	-54.26
54.25	S	-72.93	-62.60	-7.60	-2.73	-13.00	-59.93
104.69	S	-75.68	-74.08	1.12	-2.72	-13.00	-62.68
123.12	S	-74.24	-72.47	0.99	-2.77	-13.00	-61.24
207.51	S	-76.54	-80.33	6.93	-3.14	-13.00	-63.54
870.99	S	-71.87	-73.53	6.02	-4.36	-13.00	-58.87
3505.00	H	-39.36	-39.78	7.40	-6.99	-13.00	-26.36
5257.50	H	-42.18	-42.82	8.82	-8.18	-13.00	-29.18
7010.00	H						
8762.50	H						
10515.00	H						
12267.50	H						
14020.00	H						
15772.50	H						
17525.00	H						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
 “E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
 “---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 20375	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1752.2 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,24 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
36.79	S	-80.14	-66.14	-11.54	-2.47	-13.00	-67.14
93.05	S	-78.52	-76.86	1.06	-2.72	-13.00	-65.52
122.15	S	-74.36	-72.52	0.93	-2.77	-13.00	-61.36
206.54	S	-74.74	-78.52	6.92	-3.14	-13.00	-61.74
291.90	S	-76.80	-80.26	6.72	-3.25	-13.00	-63.80
870.99	S	-72.24	-73.90	6.02	-4.36	-13.00	-59.24
3505.00	H	-41.07	-41.39	7.30	-6.99	-13.00	-28.07
5257.50	H						
7010.00	H						
8762.50	H						
10515.00	H						
12267.50	H						
14020.00	H						
15772.50	H						
17525.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBi) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
 “E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
 “---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 4 (Worst)

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 19975	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1712.5 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,0 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
36.79	S	-65.93	-51.93	-11.54	-2.47	-13.00	-52.93
56.19	S	-73.28	-63.46	-7.09	-2.73	-13.00	-60.28
108.57	S	-75.81	-74.18	1.09	-2.72	-13.00	-62.81
122.15	S	-75.03	-73.19	0.93	-2.77	-13.00	-62.03
208.48	S	-77.58	-81.38	6.94	-3.14	-13.00	-64.58
942.77	S	-71.39	-72.66	5.78	-4.51	-13.00	-58.39
3425.00	H	-39.14	-39.45	7.19	-6.89	-13.00	-26.14
5137.50	H	-46.89	-47.59	8.81	-8.11	-13.00	-33.89
6850.00	H						
8562.50	H						
10275.00	H						
11987.50	H						
13700.00	H						
15412.50	H						
17125.00	H						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 19975	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1712.5 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,0 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
97.90	S	-78.58	-76.99	1.13	-2.72	-13.00	-65.58
122.15	S	-74.63	-72.79	0.93	-2.77	-13.00	-61.63
208.48	S	-74.72	-78.52	6.94	-3.14	-13.00	-61.72
291.90	S	-76.24	-79.71	6.72	-3.25	-13.00	-63.24
375.32	S	-78.29	-81.62	6.76	-3.43	-13.00	-65.29
870.99	S	-71.99	-73.65	6.02	-4.36	-13.00	-58.99
3425.00	H	-42.71	-42.96	7.14	-6.89	-13.00	-29.71
5137.50	H						
6850.00	H						
8562.50	H						
10275.00	H						
11987.50	H						
13700.00	H						
15412.50	H						
17125.00	H						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
 “E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
 “---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 20175	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1732.5 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,0 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
36.79	S	-65.91	-51.91	-11.54	-2.47	-13.00	-52.91
56.19	S	-72.78	-62.95	-7.09	-2.73	-13.00	-59.78
86.26	S	-77.51	-75.55	0.70	-2.67	-13.00	-64.51
122.15	S	-74.83	-72.99	0.93	-2.77	-13.00	-61.83
207.51	S	-78.03	-81.83	6.93	-3.14	-13.00	-65.03
870.99	S	-70.79	-72.45	6.02	-4.36	-13.00	-57.79
3465.00	H	-40.89	-41.20	7.30	-6.99	-13.00	-27.89
5197.50	H	-46.77	-47.51	8.81	-8.07	-13.00	-33.77
6930.00	H						
8662.50	H						
10395.00	H						
12127.50	H						
13860.00	H						
15592.50	H						
17325.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBi) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 20175	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1732.5 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,0 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
97.90	S	-78.57	-76.98	1.13	-2.72	-13.00	-65.57
122.15	S	-75.36	-73.52	0.93	-2.77	-13.00	-62.36
207.51	S	-75.33	-79.12	6.93	-3.14	-13.00	-62.33
291.90	S	-75.88	-79.35	6.72	-3.25	-13.00	-62.88
870.99	S	-72.26	-73.92	6.02	-4.36	-13.00	-59.26
942.77	S	-73.96	-75.23	5.78	-4.51	-13.00	-60.96
3465.00	H	-43.39	-43.63	7.23	-6.99	-13.00	-30.39
5197.50	H	-48.32	-48.50	8.25	-8.07	-13.00	-35.32
6930.00	H						
8662.50	H						
10395.00	H						
12127.50	H						
13860.00	H						
15592.50	H						
17325.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBi) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor..

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 20375	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1752.2 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,0 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
36.79	S	-65.92	-51.92	-11.54	-2.47	-13.00	-52.92
56.19	S	-73.71	-63.88	-7.09	-2.73	-13.00	-60.71
82.38	S	-76.49	-74.19	0.36	-2.67	-13.00	-63.49
122.15	S	-75.47	-73.63	0.93	-2.77	-13.00	-62.47
208.48	S	-77.55	-81.35	6.94	-3.14	-13.00	-64.55
999.03	S	-72.32	-73.98	6.14	-4.49	-13.00	-59.32
3505.00	H	-37.13	-37.53	7.40	-7.01	-13.00	-24.13
5257.50	H	-42.46	-43.16	8.81	-8.11	-13.00	-29.46
7010.00	H						
8762.50	H						
10515.00	H						
12267.50	H						
14020.00	H						
15772.50	H						
17525.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBi) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 20375	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1752.2 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,0 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
91.11	S	-79.65	-78.01	1.03	-2.67	-13.00	-66.65
132.82	S	-75.96	-74.43	1.26	-2.79	-13.00	-62.96
209.45	S	-76.51	-80.32	6.94	-3.14	-13.00	-63.51
375.32	S	-78.11	-81.45	6.76	-3.43	-13.00	-65.11
871.96	S	-63.15	-64.80	6.01	-4.36	-13.00	-50.15
942.77	S	-73.76	-75.04	5.78	-4.51	-13.00	-60.76
3505.00	H	-39.33	-39.65	7.32	-7.01	-13.00	-26.33
5257.50	H	-48.80	-48.95	8.26	-8.11	-13.00	-35.80
7010.00	H						
8762.50	H						
10515.00	H						
12267.50	H						
14020.00	H						
15772.50	H						
17525.00	H						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 4 (Worst)

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 20000	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1715 MHz	Engineer	:Tai
Operation Mode	:TX 10M QPSK RB1,49		
EUT Pol.	:E1 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
36.79	S	-70.94	-56.94	-11.54	-2.47	-13.00	-57.94
63.95	S	-78.86	-71.15	-5.11	-2.59	-13.00	-65.86
119.24	S	-77.62	-75.65	0.80	-2.77	-13.00	-64.62
207.51	S	-81.06	-84.86	6.93	-3.14	-13.00	-68.06
444.19	S	-79.43	-82.37	6.65	-3.70	-13.00	-66.43
990.30	S	-72.35	-73.94	6.08	-4.49	-13.00	-59.35
3430.00	H	-48.75	-49.10	7.24	-6.90	-13.00	-35.75
5145.00	H	-49.83	-50.60	8.81	-8.03	-13.00	-36.83
6860.00	H						
8575.00	H						
10290.00	H						
12005.00	H						
13720.00	H						
15435.00	H						
17150.00	H						

$EIRP(dBm) = SG\ Level(dBm) + Antenna\ Gain(dBi) + Cable\ Loss(dB)$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 20000	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1715 MHz	Engineer	:Tai
Operation Mode	:TX 10M QPSK RB1,49		
EUT Pol.	:E1 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
94.99	S	-78.44	-76.81	1.09	-2.72	-13.00	-65.44
131.85	S	-78.10	-76.64	1.32	-2.79	-13.00	-65.10
208.48	S	-79.73	-83.53	6.94	-3.14	-13.00	-66.73
291.90	S	-74.50	-77.97	6.72	-3.25	-13.00	-61.50
375.32	S	-78.93	-82.27	6.76	-3.43	-13.00	-65.93
950.53	S	-73.61	-74.88	5.78	-4.51	-13.00	-60.61
3430.00	H	-48.13	-48.41	7.18	-6.90	-13.00	-35.13
5145.00	H						
6860.00	H						
8575.00	H						
10290.00	H						
12005.00	H						
13720.00	H						
15435.00	H						
17150.00	H						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 20175	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1732.5 MHz	Engineer	:Tai
Operation Mode	:TX 10M QPSK RB1,49		
EUT Pol.	:E1 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
36.79	S	-70.62	-56.62	-11.54	-2.47	-13.00	-57.62
57.16	S	-78.85	-69.41	-6.85	-2.59	-13.00	-65.85
115.36	S	-77.88	-76.03	0.92	-2.77	-13.00	-64.88
204.60	S	-80.97	-84.74	6.91	-3.14	-13.00	-67.97
291.90	S	-81.15	-84.61	6.72	-3.25	-13.00	-68.15
993.21	S	-71.03	-72.65	6.10	-4.49	-13.00	-58.03
3465.00	H	-39.29	-39.71	7.34	-6.92	-13.00	-26.29
5197.50	H	-49.76	-50.50	8.81	-8.07	-13.00	-36.76
6930.00	H						
8662.50	H						
10395.00	H						
12127.50	H						
13860.00	H						
15592.50	H						
17325.00	H						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 20175	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1732.5 MHz	Engineer	:Tai
Operation Mode	:TX 10M QPSK RB1,49		
EUT Pol.	:E1 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
112.45	S	-77.76	-75.99	1.00	-2.77	-13.00	-64.76
128.94	S	-77.69	-76.27	1.37	-2.79	-13.00	-64.69
205.57	S	-80.41	-84.19	6.92	-3.14	-13.00	-67.41
291.90	S	-75.04	-78.51	6.72	-3.25	-13.00	-62.04
362.71	S	-78.56	-81.98	6.85	-3.43	-13.00	-65.56
957.32	S	-75.00	-76.38	5.84	-4.45	-13.00	-62.00
3465.00	H	-40.72	-41.07	7.27	-6.92	-13.00	-27.72
5197.50	H						
6930.00	H						
8662.50	H						
10395.00	H						
12127.50	H						
13860.00	H						
15592.50	H						
17325.00	H						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 20350	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1750 MHz	Engineer	:Tai
Operation Mode	:TX 10M QPSK RB1,49		
EUT Pol.	:E1 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
36.79	S	-70.49	-56.48	-11.54	-2.47	-13.00	-57.49
61.04	S	-78.26	-69.79	-5.87	-2.59	-13.00	-65.26
109.54	S	-77.67	-76.04	1.08	-2.72	-13.00	-64.67
204.60	S	-81.16	-84.93	6.91	-3.14	-13.00	-68.16
761.38	S	-75.61	-77.18	5.77	-4.20	-13.00	-62.61
995.15	S	-72.98	-74.61	6.12	-4.49	-13.00	-59.98
3500.00	H	-40.65	-41.06	7.40	-6.99	-13.00	-27.65
5250.00	H	-48.99	-49.62	8.82	-8.18	-13.00	-35.99
7000.00	H						
8750.00	H						
10500.00	H						
12250.00	H						
14000.00	H						
15750.00	H						
17500.00	H						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 20350	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1750 MHz	Engineer	:Tai
Operation Mode	:TX 10M QPSK RB1,49		
EUT Pol.	:E1 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
95.96	S	-78.21	-76.60	1.10	-2.72	-13.00	-65.21
128.94	S	-77.33	-75.91	1.37	-2.79	-13.00	-64.33
204.60	S	-79.75	-83.52	6.91	-3.14	-13.00	-66.75
292.87	S	-73.64	-77.12	6.73	-3.25	-13.00	-60.64
363.68	S	-79.00	-82.41	6.84	-3.43	-13.00	-66.00
907.85	S	-64.80	-66.17	5.80	-4.42	-13.00	-51.80
3500.00	H	-42.53	-42.84	7.30	-6.99	-13.00	-29.53
5250.00	H	-48.04	-48.12	8.26	-8.18	-13.00	-35.04
7000.00	H						
8750.00	H						
10500.00	H						
12250.00	H						
14000.00	H						
15750.00	H						
17500.00	H						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 4 (Worst)

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 20000	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1715 MHz	Engineer	:Tai
Operation Mode	:TX 10M QPSK RB1,0		
EUT Pol.	:E1 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
36.79	S	-70.83	-56.83	-11.54	-2.47	-13.00	-57.83
57.16	S	-78.24	-68.80	-6.85	-2.59	-13.00	-65.24
109.54	S	-78.17	-76.53	1.08	-2.72	-13.00	-65.17
205.57	S	-80.18	-83.96	6.92	-3.14	-13.00	-67.18
444.19	S	-78.08	-81.03	6.65	-3.70	-13.00	-65.08
928.22	S	-73.01	-74.30	5.79	-4.50	-13.00	-60.01
3430.00	H	-38.37	-38.68	7.19	-6.89	-13.00	-25.37
5145.00	H	-44.25	-44.95	8.81	-8.11	-13.00	-31.25
6860.00	H						
8575.00	H						
10290.00	H						
12005.00	H						
13720.00	H						
15435.00	H						
17150.00	H						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 20000	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1715 MHz	Engineer	:Tai
Operation Mode	:TX 10M QPSK RB1,0		
EUT Pol.	:E1 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
95.96	S	-77.74	-76.13	1.10	-2.72	-13.00	-64.74
129.91	S	-77.02	-75.67	1.43	-2.79	-13.00	-64.02
205.57	S	-78.59	-82.37	6.92	-3.14	-13.00	-65.59
291.90	S	-74.31	-77.78	6.72	-3.25	-13.00	-61.31
444.19	S	-79.25	-82.20	6.65	-3.70	-13.00	-66.25
975.75	S	-74.99	-76.47	5.97	-4.49	-13.00	-61.99
3430.00	H	-44.19	-44.44	7.14	-6.89	-13.00	-31.19
5145.00	H						
6860.00	H						
8575.00	H						
10290.00	H						
12005.00	H						
13720.00	H						
15435.00	H						
17150.00	H						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 20175	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1732.5 MHz	Engineer	:Tai
Operation Mode	:TX 10M QPSK RB1,0		
EUT Pol.	:E1 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
36.79	S	-71.00	-56.99	-11.54	-2.47	-13.00	-58.00
57.16	S	-77.62	-68.18	-6.85	-2.59	-13.00	-64.62
109.54	S	-77.89	-76.26	1.08	-2.72	-13.00	-64.89
128.94	S	-77.18	-75.76	1.37	-2.79	-13.00	-64.18
625.58	S	-77.06	-79.31	6.23	-3.97	-13.00	-64.06
903.97	S	-69.01	-70.38	5.80	-4.42	-13.00	-56.01
3465.00	H	-41.07	-41.36	7.28	-6.99	-13.00	-28.07
5197.50	H	-44.61	-45.35	8.81	-8.07	-13.00	-31.61
6930.00	H						
8662.50	H						
10395.00	H						
12127.50	H						
13860.00	H						
15592.50	H						
17325.00	H						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 20175	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1732.5 MHz	Engineer	:Tai
Operation Mode	:TX 10M QPSK RB1,0		
EUT Pol.	:E1 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
95.96	S	-77.99	-76.37	1.10	-2.72	-13.00	-64.99
132.82	S	-76.98	-75.45	1.26	-2.79	-13.00	-63.98
208.48	S	-78.85	-82.65	6.94	-3.14	-13.00	-65.85
293.84	S	-71.30	-74.79	6.74	-3.25	-13.00	-58.30
444.19	S	-79.03	-81.98	6.65	-3.70	-13.00	-66.03
903.97	S	-68.73	-70.11	5.80	-4.42	-13.00	-55.73
3465.00	H	-44.95	-45.18	7.22	-6.99	-13.00	-31.95
5197.50	H						
6930.00	H						
8662.50	H						
10395.00	H						
12127.50	H						
13860.00	H						
15592.50	H						
17325.00	H						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 20350	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1750 MHz	Engineer	:Tai
Operation Mode	:TX 10M QPSK RB1,0		
EUT Pol.	:E1 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
36.79	S	-70.99	-56.99	-11.54	-2.47	-13.00	-57.99
63.95	S	-78.45	-70.74	-5.11	-2.59	-13.00	-65.45
128.94	S	-78.06	-76.65	1.37	-2.79	-13.00	-65.06
206.54	S	-79.87	-83.66	6.92	-3.14	-13.00	-66.87
626.55	S	-76.75	-79.01	6.23	-3.97	-13.00	-63.75
905.91	S	-64.07	-65.44	5.80	-4.42	-13.00	-51.07
3500.00	H	-38.22	-38.59	7.38	-7.01	-13.00	-25.22
5250.00	H						
7000.00	H						
8750.00	H						
10500.00	H						
12250.00	H						
14000.00	H						
15750.00	H						
17500.00	H						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 4

Operation Band	:BAND 4	Test Date	:2012-09-03
ARFCN	:CH 20350	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:1750 MHz	Engineer	:Tai
Operation Mode	:TX 10M QPSK RB1,0		
EUT Pol.	:E1 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBi	Loss dB	dBm	dB
95.96	S	-78.10	-76.48	1.10	-2.72	-13.00	-65.10
129.91	S	-76.93	-75.57	1.43	-2.79	-13.00	-63.93
208.48	S	-77.71	-81.51	6.94	-3.14	-13.00	-64.71
292.87	S	-73.96	-77.44	6.73	-3.25	-13.00	-60.96
749.74	S	-70.74	-72.19	5.68	-4.23	-13.00	-57.74
970.90	S	-74.45	-75.93	5.94	-4.45	-13.00	-61.45
3500.00	H	-40.37	-40.66	7.30	-7.01	-13.00	-27.37
5250.00	H						
7000.00	H						
8750.00	H						
10500.00	H						
12250.00	H						
14000.00	H						
15750.00	H						
17500.00	H						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 17(Worst)

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23755	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:706.5 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,24 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq. MHz	Note F/H/E/S	ERP dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	S	-72.37	-56.22	-13.69	-2.47	-13.00	-59.37
55.22	S	-79.72	-67.50	-9.49	-2.73	-13.00	-66.72
109.54	S	-79.81	-76.03	-1.07	-2.72	-13.00	-66.81
129.91	S	-80.38	-76.88	-0.72	-2.79	-13.00	-67.38
206.54	S	-80.04	-81.68	4.77	-3.14	-13.00	-67.04
997.09	S	-74.37	-73.87	3.98	-4.49	-13.00	-61.37
1413.00	H	-34.97	-31.92	2.08	-5.14	-13.00	-21.97
2119.50	H	-43.33	-39.89	2.38	-5.82	-13.00	-30.33
2826.00	H	-53.68	-51.26	4.02	-6.43	-13.00	-40.68
3532.50	H	-47.56	-45.97	5.25	-6.84	-13.00	-34.56
4239.00	H						
4945.50	H						
5652.00	H						
6358.50	H						
7065.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 17

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23755	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:706.5 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,24 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
95.96	S	-79.27	-75.50	-1.05	-2.72	-13.00	-66.27
133.79	S	-78.49	-74.75	-0.95	-2.79	-13.00	-65.49
206.54	S	-79.39	-81.02	4.77	-3.14	-13.00	-66.39
291.90	S	-79.34	-80.65	4.57	-3.25	-13.00	-66.34
375.32	S	-80.25	-81.44	4.61	-3.43	-13.00	-67.25
972.84	S	-77.34	-76.69	3.80	-4.45	-13.00	-64.34
1413.00	H	-37.37	-34.31	2.08	-5.14	-13.00	-24.37
2119.50	H	-33.97	-30.88	2.73	-5.82	-13.00	-20.97
2826.00	H	-55.66	-53.38	4.15	-6.43	-13.00	-42.66
3532.50	H	-48.10	-46.34	5.08	-6.84	-13.00	-35.10
4239.00	H						
4945.50	H						
5652.00	H						
6358.50	H						
7065.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 17

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23790	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:710 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,24 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
36.79	S	-72.20	-56.05	-13.69	-2.47	-13.00	-59.20
55.22	S	-79.63	-67.40	-9.49	-2.73	-13.00	-66.63
99.84	S	-79.87	-76.17	-0.99	-2.72	-13.00	-66.87
129.91	S	-79.96	-76.46	-0.72	-2.79	-13.00	-66.96
206.54	S	-80.31	-81.95	4.77	-3.14	-13.00	-67.31
964.11	S	-74.81	-74.09	3.74	-4.45	-13.00	-61.81
1420.00	H	-40.77	-37.85	2.17	-5.09	-13.00	-27.77
2130.00	H	-43.48	-40.09	2.42	-5.82	-13.00	-30.48
2840.00	H	-55.82	-53.42	4.04	-6.44	-13.00	-42.82
3550.00	H	-44.54	-42.96	5.25	-6.84	-13.00	-31.54
4260.00	H						
4970.00	H						
5680.00	H						
6390.00	H						
7100.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 17

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23790	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:710 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,24 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
95.96	S	-80.14	-76.37	-1.05	-2.72	-13.00	-67.14
110.51	S	-80.42	-76.62	-1.09	-2.72	-13.00	-67.42
129.91	S	-78.79	-75.29	-0.72	-2.79	-13.00	-65.79
206.54	S	-78.00	-79.64	4.77	-3.14	-13.00	-65.00
291.90	S	-78.34	-79.66	4.57	-3.25	-13.00	-65.34
965.08	S	-76.40	-75.70	3.74	-4.45	-13.00	-63.40
1420.00	H	-38.52	-35.60	2.17	-5.09	-13.00	-25.52
2130.00	H	-33.55	-30.51	2.78	-5.82	-13.00	-20.55
2840.00	H	-51.46	-49.16	4.14	-6.44	-13.00	-38.46
3550.00	H	-41.07	-39.27	5.05	-6.84	-13.00	-28.07
4260.00	H						
4970.00	H						
5680.00	H						
6390.00	H						
7100.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 17

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23825	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:713.5 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,24 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq. MHz	Note F/H/E/S	ERP dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	S	-72.34	-56.19	-13.69	-2.47	-13.00	-59.34
61.04	S	-79.52	-68.90	-8.02	-2.59	-13.00	-66.52
99.84	S	-80.09	-76.38	-0.99	-2.72	-13.00	-67.09
110.51	S	-80.21	-76.41	-1.09	-2.72	-13.00	-67.21
129.91	S	-80.57	-77.06	-0.72	-2.79	-13.00	-67.57
926.28	S	-76.25	-75.39	3.64	-4.50	-13.00	-63.25
1427.00	H	-34.36	-31.48	2.21	-5.09	-13.00	-21.36
2140.50	H	-43.03	-39.72	2.47	-5.78	-13.00	-30.03
2854.00	H	-54.76	-52.38	4.07	-6.45	-13.00	-41.76
3567.50	H	-43.35	-41.62	5.25	-6.98	-13.00	-30.35
4281.00	H						
4994.50	H						
5708.00	H						
6421.50	H						
7135.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 17

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23825	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:713.5 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,24 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
95.96	S	-79.44	-75.68	-1.05	-2.72	-13.00	-66.44
133.79	S	-78.94	-75.20	-0.95	-2.79	-13.00	-65.94
206.54	S	-79.25	-80.89	4.77	-3.14	-13.00	-66.25
291.90	S	-76.51	-77.83	4.57	-3.25	-13.00	-63.51
375.32	S	-81.59	-82.77	4.61	-3.43	-13.00	-68.59
992.24	S	-77.18	-76.64	3.94	-4.49	-13.00	-64.18
1427.00	H	-37.92	-35.04	2.21	-5.09	-13.00	-24.92
2140.50	H	-32.77	-29.83	2.84	-5.78	-13.00	-19.77
2854.00	H	-49.59	-47.28	4.14	-6.45	-13.00	-36.59
3567.50	H	-39.42	-37.44	5.01	-6.98	-13.00	-26.42
4281.00	H						
4994.50	H						
5708.00	H						
6421.50	H						
7135.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 17(Worst)

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23755	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:706.5 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,0 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
37.76	S	-74.03	-57.96	-13.61	-2.47	-13.00	-61.03
57.16	S	-78.84	-67.25	-9.00	-2.59	-13.00	-65.84
99.84	S	-80.10	-76.39	-0.99	-2.72	-13.00	-67.10
129.91	S	-80.01	-76.51	-0.72	-2.79	-13.00	-67.01
202.66	S	-81.02	-82.63	4.75	-3.14	-13.00	-68.02
998.06	S	-74.49	-73.99	3.99	-4.49	-13.00	-61.49
1413.00	H	-42.93	-39.84	2.04	-5.14	-13.00	-29.93
2119.50	H	-47.32	-43.80	2.34	-5.85	-13.00	-34.32
2826.00	H	-58.71	-56.19	3.99	-6.51	-13.00	-45.71
3532.50	H	-52.45	-50.72	5.25	-6.99	-13.00	-39.45
4239.00	H						
4945.50	H						
5652.00	H						
6358.50	H						
7065.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 17

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23755	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:706.5 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,0 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq. MHz	Note F/H/E/S	ERP dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit dBm	Margin dB
94.99	S	-79.06	-75.28	-1.06	-2.72	-13.00	-66.06
129.91	S	-79.26	-75.75	-0.72	-2.79	-13.00	-66.26
209.45	S	-78.68	-80.33	4.79	-3.14	-13.00	-65.68
291.90	S	-75.95	-77.27	4.57	-3.25	-13.00	-62.95
587.75	S	-80.76	-81.02	4.16	-3.90	-13.00	-67.76
945.68	S	-76.73	-75.85	3.63	-4.51	-13.00	-63.73
1413.00	H	-47.57	-44.47	2.04	-5.14	-13.00	-34.57
2119.50	H	-39.19	-36.01	2.67	-5.85	-13.00	-26.19
2826.00	H	-57.39	-55.04	4.16	-6.51	-13.00	-44.39
3532.50	H	-56.61	-54.75	5.13	-6.99	-13.00	-43.61
4239.00	H						
4945.50	H						
5652.00	H						
6358.50	H						
7065.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 17

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23790	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:710 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,0 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq. MHz	Note F/H/E/S	ERP dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	S	-72.53	-56.38	-13.69	-2.47	-13.00	-59.53
58.13	S	-78.79	-67.45	-8.75	-2.59	-13.00	-65.79
114.39	S	-78.66	-74.69	-1.20	-2.77	-13.00	-65.66
128.94	S	-79.55	-75.98	-0.78	-2.79	-13.00	-66.55
199.75	S	-81.80	-83.41	4.70	-3.09	-13.00	-68.80
999.03	S	-74.45	-73.96	3.99	-4.49	-13.00	-61.45
1420.00	H	-41.23	-38.17	2.08	-5.14	-13.00	-28.23
2130.00	H	-46.26	-42.82	2.38	-5.82	-13.00	-33.26
2840.00	H	-54.54	-52.12	4.01	-6.43	-13.00	-41.54
3550.00	H	-48.46	-46.66	5.25	-7.05	-13.00	-35.46
4260.00	H						
4970.00	H						
5680.00	H						
6390.00	H						
7100.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 17

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23790	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:710 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,0 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq. MHz	Note F/H/E/S	ERP dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit dBm	Margin dB
94.99	S	-78.20	-74.42	-1.06	-2.72	-13.00	-65.20
128.94	S	-79.03	-75.46	-0.78	-2.79	-13.00	-66.03
208.48	S	-81.24	-82.89	4.79	-3.14	-13.00	-68.24
291.90	S	-77.96	-79.28	4.57	-3.25	-13.00	-64.96
444.19	S	-81.52	-82.32	4.50	-3.70	-13.00	-68.52
963.14	S	-76.80	-76.08	3.73	-4.45	-13.00	-63.80
1420.00	H	-34.28	-31.22	2.08	-5.14	-13.00	-21.28
2130.00	H	-33.99	-30.90	2.73	-5.82	-13.00	-20.99
2840.00	H	-56.90	-54.62	4.15	-6.43	-13.00	-43.90
3550.00	H	-52.37	-50.41	5.09	-7.05	-13.00	-39.37
4260.00	H						
4970.00	H						
5680.00	H						
6390.00	H						
7100.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 17

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23825	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:713.5 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,0 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
36.79	S	-72.26	-56.11	-13.69	-2.47	-13.00	-59.26
56.19	S	-78.23	-66.26	-9.24	-2.73	-13.00	-65.23
110.51	S	-78.29	-74.49	-1.09	-2.72	-13.00	-65.29
127.97	S	-79.67	-76.06	-0.84	-2.77	-13.00	-66.67
203.63	S	-81.61	-83.22	4.75	-3.14	-13.00	-68.61
791.45	S	-76.95	-76.63	3.84	-4.16	-13.00	-63.95
1427.00	H	-38.82	-35.90	2.17	-5.09	-13.00	-25.82
2140.50	H	-45.54	-42.15	2.42	-5.82	-13.00	-32.54
2854.00	H	-54.57	-52.16	4.03	-6.44	-13.00	-41.57
3567.50	H	-45.75	-44.16	5.25	-6.84	-13.00	-32.75
4281.00	H						
4994.50	H						
5708.00	H						
6421.50	H						
7135.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 17

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23825	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:713.5 MHz	Engineer	:Tai
Operation Mode	:5M 16QAM RB1,0 TX		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq. MHz	Note F/H/E/S	ERP dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit dBm	Margin dB
94.99	S	-78.31	-74.53	-1.06	-2.72	-13.00	-65.31
115.36	S	-78.52	-74.52	-1.23	-2.77	-13.00	-65.52
129.91	S	-78.35	-74.85	-0.72	-2.79	-13.00	-65.35
207.51	S	-80.79	-82.43	4.78	-3.14	-13.00	-67.79
291.90	S	-77.34	-78.66	4.57	-3.25	-13.00	-64.34
749.74	S	-75.67	-74.97	3.53	-4.23	-13.00	-62.67
1427.00	H	-34.72	-31.80	2.17	-5.09	-13.00	-21.72
2140.50	H	-36.94	-33.90	2.78	-5.82	-13.00	-23.94
2854.00	H	-55.01	-52.72	4.14	-6.44	-13.00	-42.01
3567.50	H	-50.22	-48.44	5.06	-6.84	-13.00	-37.22
4281.00	H						
4994.50	H						
5708.00	H						
6421.50	H						
7135.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 17(Worst)

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23780	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:709 MHz	Engineer	:Tai
Operation Mode	:TX 10M QPSK RB1,49		
EUT Pol.	:E1 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq. MHz	Note F/H/E/S	ERP dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	S	-72.40	-56.25	-13.69	-2.47	-13.00	-59.40
55.22	S	-79.15	-66.93	-9.49	-2.73	-13.00	-66.15
112.45	S	-78.25	-74.33	-1.15	-2.77	-13.00	-65.25
128.94	S	-79.55	-75.99	-0.78	-2.79	-13.00	-66.55
201.69	S	-82.33	-83.94	4.74	-3.14	-13.00	-69.33
998.06	S	-74.53	-74.03	3.99	-4.49	-13.00	-61.53
1418.00	H	-40.14	-37.04	2.04	-5.14	-13.00	-27.14
2127.00	H	-43.51	-39.99	2.34	-5.85	-13.00	-30.51
2836.00	H	-53.57	-51.05	3.99	-6.51	-13.00	-40.57
3545.00	H	-42.00	-40.26	5.25	-6.99	-13.00	-29.00
4254.00	H	-55.22	-53.74	5.95	-7.43	-13.00	-42.22
4963.00	H						
5672.00	H						
6381.00	H						
7090.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 17

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23780	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:709 MHz	Engineer	:Tai
Operation Mode	:TX 10M QPSK RB1,49		
EUT Pol.	:E1 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq. MHz	Note F/H/E/S	ERP dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit dBm	Margin dB
95.96	S	-78.46	-74.69	-1.05	-2.72	-13.00	-65.46
115.36	S	-78.40	-74.40	-1.23	-2.77	-13.00	-65.40
129.91	S	-78.14	-74.64	-0.72	-2.79	-13.00	-65.14
207.51	S	-78.75	-80.39	4.78	-3.14	-13.00	-65.75
292.87	S	-77.12	-78.45	4.58	-3.25	-13.00	-64.12
965.08	S	-76.38	-75.67	3.74	-4.45	-13.00	-63.38
1418.00	H	-38.56	-35.46	2.04	-5.14	-13.00	-25.56
2127.00	H	-32.82	-29.63	2.67	-5.85	-13.00	-19.82
2836.00	H	-50.22	-47.86	4.16	-6.51	-13.00	-37.22
3545.00	H	-46.51	-44.65	5.12	-6.99	-13.00	-33.51
4254.00	H						
4963.00	H						
5672.00	H						
6381.00	H						
7090.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 17

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23790	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:710 MHz	Engineer	:Tai
Operation Mode	:TX 10M QPSK RB1,49		
EUT Pol.	:E1 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
36.79	S	-72.74	-56.58	-13.69	-2.47	-13.00	-59.74
57.16	S	-78.01	-66.42	-9.00	-2.59	-13.00	-65.01
111.48	S	-78.25	-74.37	-1.12	-2.77	-13.00	-65.25
128.94	S	-79.68	-76.11	-0.78	-2.79	-13.00	-66.68
211.39	S	-82.20	-83.87	4.81	-3.14	-13.00	-69.20
998.06	S	-75.17	-74.67	3.99	-4.49	-13.00	-62.17
1420.00	H	-37.14	-34.05	2.04	-5.14	-13.00	-24.14
2130.00	H	-41.53	-38.01	2.34	-5.85	-13.00	-28.53
2840.00	H	-55.59	-53.07	3.99	-6.51	-13.00	-42.59
3550.00	H	-41.47	-39.67	5.25	-7.05	-13.00	-28.47
4260.00	H	-55.83	-54.39	5.99	-7.43	-13.00	-42.83
4970.00	H	-51.88	-50.46	6.57	-7.99	-13.00	-38.88
5680.00	H						
6390.00	H						
7100.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 17

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23790	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:710 MHz	Engineer	:Tai
Operation Mode	:TX 10M QPSK RB1,49		
EUT Pol.	:E1 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
95.96	S	-78.72	-74.95	-1.05	-2.72	-13.00	-65.72
115.36	S	-77.51	-73.51	-1.23	-2.77	-13.00	-64.51
130.88	S	-78.13	-74.57	-0.77	-2.79	-13.00	-65.13
204.60	S	-79.59	-81.21	4.76	-3.14	-13.00	-66.59
291.90	S	-78.18	-79.50	4.57	-3.25	-13.00	-65.18
948.59	S	-77.23	-76.35	3.63	-4.51	-13.00	-64.23
1420.00	H	-37.62	-34.53	2.04	-5.14	-13.00	-24.62
2130.00	H	-33.29	-30.11	2.67	-5.85	-13.00	-20.29
2840.00	H	-49.85	-47.57	4.15	-6.43	-13.00	-36.85
3550.00	H	-41.61	-39.68	5.11	-7.05	-13.00	-28.61
4260.00	H						
4970.00	H						
5680.00	H						
6390.00	H						
7100.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 17

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23800	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:711 MHz	Engineer	:Tai
Operation Mode	:TX 10M QPSK RB1,49		
EUT Pol.	:E1 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
36.79	S	-72.39	-56.23	-13.69	-2.47	-13.00	-59.39
55.22	S	-77.98	-65.75	-9.49	-2.73	-13.00	-64.98
98.87	S	-80.35	-76.63	-1.01	-2.72	-13.00	-67.35
111.48	S	-77.83	-73.95	-1.12	-2.77	-13.00	-64.83
129.91	S	-79.71	-76.21	-0.72	-2.79	-13.00	-66.71
969.93	S	-74.12	-73.45	3.78	-4.45	-13.00	-61.12
1422.00	H	-37.78	-34.73	2.08	-5.14	-13.00	-24.78
2133.00	H	-39.67	-36.17	2.36	-5.85	-13.00	-26.67
2844.00	H	-55.12	-52.69	4.00	-6.43	-13.00	-42.12
3555.00	H	-41.16	-39.37	5.25	-7.05	-13.00	-28.16
4266.00	H						
4977.00	H						
5688.00	H						
6399.00	H						
7110.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 17

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23800	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:711 MHz	Engineer	:Tai
Operation Mode	:TX 10M QPSK RB1,49		
EUT Pol.	:E1 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
95.96	S	-78.87	-75.10	-1.05	-2.72	-13.00	-65.87
115.36	S	-77.64	-73.64	-1.23	-2.77	-13.00	-64.64
130.88	S	-78.47	-74.92	-0.77	-2.79	-13.00	-65.47
203.63	S	-79.59	-81.20	4.75	-3.14	-13.00	-66.59
291.90	S	-76.72	-78.04	4.57	-3.25	-13.00	-63.72
938.89	S	-76.52	-75.65	3.63	-4.51	-13.00	-63.52
1422.00	H	-37.45	-34.39	2.08	-5.14	-13.00	-24.45
2133.00	H	-33.74	-30.59	2.70	-5.85	-13.00	-20.74
2844.00	H	-49.83	-47.55	4.15	-6.43	-13.00	-36.83
3555.00	H	-38.77	-36.83	5.10	-7.05	-13.00	-25.77
4266.00	H						
4977.00	H						
5688.00	H						
6399.00	H						
7110.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 17(Worst)

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23780	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:709 MHz	Engineer	:Tai
Operation Mode	:TX 10M 16QAM RB1,0		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
36.79	S	-72.15	-55.99	-13.69	-2.47	-13.00	-59.15
57.16	S	-78.26	-66.67	-9.00	-2.59	-13.00	-65.26
114.39	S	-78.19	-74.22	-1.20	-2.77	-13.00	-65.19
129.91	S	-79.12	-75.61	-0.72	-2.79	-13.00	-66.12
207.51	S	-80.17	-81.81	4.78	-3.14	-13.00	-67.17
993.21	S	-75.34	-74.80	3.95	-4.49	-13.00	-62.34
1418.00	H	-38.68	-35.58	2.04	-5.14	-13.00	-25.68
2127.00	H	-42.33	-38.81	2.34	-5.85	-13.00	-29.33
2836.00	H	-53.74	-51.22	3.99	-6.51	-13.00	-40.74
3545.00	H	-44.48	-42.75	5.25	-6.99	-13.00	-31.48
4254.00	H						
4963.00	H						
5672.00	H						
6381.00	H						
7090.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 17

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23780	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:709 MHz	Engineer	:Tai
Operation Mode	:TX 10M 16QAM RB1,0		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
95.96	S	-78.54	-74.78	-1.05	-2.72	-13.00	-65.54
114.39	S	-78.24	-74.27	-1.20	-2.77	-13.00	-65.24
129.91	S	-78.15	-74.65	-0.72	-2.79	-13.00	-65.15
207.51	S	-80.52	-82.16	4.78	-3.14	-13.00	-67.52
292.87	S	-76.86	-78.19	4.58	-3.25	-13.00	-63.86
978.66	S	-76.57	-75.92	3.84	-4.49	-13.00	-63.57
1418.00	H	-40.18	-37.09	2.04	-5.14	-13.00	-27.18
2127.00	H	-33.10	-29.92	2.67	-5.85	-13.00	-20.10
2836.00	H	-53.62	-51.27	4.16	-6.51	-13.00	-40.62
3545.00	H	-46.39	-44.52	5.12	-6.99	-13.00	-33.39
4254.00	H						
4963.00	H						
5672.00	H						
6381.00	H						
7090.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 17

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23790	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:710 MHz	Engineer	:Tai
Operation Mode	:TX 10M 16QAM RB1,0		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
36.79	S	-72.42	-56.27	-13.69	-2.47	-13.00	-59.42
57.16	S	-78.21	-66.63	-9.00	-2.59	-13.00	-65.21
115.36	S	-78.92	-74.92	-1.23	-2.77	-13.00	-65.92
129.91	S	-79.26	-75.75	-0.72	-2.79	-13.00	-66.26
203.63	S	-82.44	-84.05	4.75	-3.14	-13.00	-69.44
997.09	S	-75.37	-74.87	3.98	-4.49	-13.00	-62.37
1420.00	H	-37.10	-34.00	2.04	-5.14	-13.00	-24.10
2130.00	H	-40.85	-37.33	2.34	-5.85	-13.00	-27.85
2840.00	H	-55.73	-53.29	4.00	-6.43	-13.00	-42.73
3550.00	H	-41.34	-39.54	5.25	-7.05	-13.00	-28.34
4260.00	H						
4970.00	H						
5680.00	H						
6390.00	H						
7100.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 17

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23790	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:710 MHz	Engineer	:Tai
Operation Mode	:TX 10M 16QAM RB1,0		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq. MHz	Note F/H/E/S	ERP dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit dBm	Margin dB
95.96	S	-78.67	-74.90	-1.05	-2.72	-13.00	-65.67
115.36	S	-77.87	-73.87	-1.23	-2.77	-13.00	-64.87
129.91	S	-78.44	-74.94	-0.72	-2.79	-13.00	-65.44
207.51	S	-79.40	-81.04	4.78	-3.14	-13.00	-66.40
292.87	S	-76.80	-78.13	4.58	-3.25	-13.00	-63.80
749.74	S	-75.84	-75.15	3.53	-4.23	-13.00	-62.84
1420.00	H	-39.81	-36.71	2.04	-5.14	-13.00	-26.81
2130.00	H	-32.93	-29.75	2.67	-5.85	-13.00	-19.93
2840.00	H	-48.89	-46.53	4.16	-6.51	-13.00	-35.89
3550.00	H	-43.03	-41.09	5.11	-7.05	-13.00	-30.03
4260.00	H						
4970.00	H						
5680.00	H						
6390.00	H						
7100.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 17

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23800	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:711 MHz	Engineer	:Tai
Operation Mode	:TX 10M 16QAM RB1,0		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Output Level dBm	Gain dBd	Loss dB	dBm	dB
36.79	S	-72.32	-56.16	-13.69	-2.47	-13.00	-59.32
56.19	S	-78.84	-66.87	-9.24	-2.73	-13.00	-65.84
111.48	S	-78.25	-74.37	-1.12	-2.77	-13.00	-65.25
126.03	S	-79.50	-75.76	-0.97	-2.77	-13.00	-66.50
209.45	S	-81.38	-83.03	4.79	-3.14	-13.00	-68.38
999.03	S	-74.53	-74.04	3.99	-4.49	-13.00	-61.53
1422.00	H	-34.81	-31.75	2.08	-5.14	-13.00	-21.81
2133.00	H	-40.70	-37.21	2.36	-5.85	-13.00	-27.70
2844.00	H	-53.87	-51.44	4.00	-6.43	-13.00	-40.87
3555.00	H	-43.61	-41.81	5.25	-7.05	-13.00	-30.61
4266.00	H						
4977.00	H						
5688.00	H						
6399.00	H						
7110.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---“ : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 17

Operation Band	:BAND 17	Test Date	:2012-09-03
ARFCN	:CH 23800	Temp./Humi.	:24 deg_C / 55 RH
Fundamental Frequency	:711 MHz	Engineer	:Tai
Operation Mode	:TX 10M 16QAM RB1,0		
EUT Pol.	:E2 PLAN	Measurement Antenna Pol.	:HORIZONTAL

Freq. MHz	Note F/H/E/S	ERP dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit dBm	Margin dB
95.96	S	-78.37	-74.61	-1.05	-2.72	-13.00	-65.37
115.36	S	-78.06	-74.06	-1.23	-2.77	-13.00	-65.06
129.91	S	-78.22	-74.71	-0.72	-2.79	-13.00	-65.22
207.51	S	-79.45	-81.09	4.78	-3.14	-13.00	-66.45
291.90	S	-76.90	-78.22	4.57	-3.25	-13.00	-63.90
952.47	S	-76.61	-75.75	3.65	-4.51	-13.00	-63.61
1422.00	H	-36.95	-33.89	2.08	-5.14	-13.00	-23.95
2133.00	H	-33.31	-30.16	2.70	-5.85	-13.00	-20.31
2844.00	H	-51.89	-49.61	4.15	-6.43	-13.00	-38.89
3555.00	H	-40.61	-38.67	5.10	-7.05	-13.00	-27.61
4266.00	H						
4977.00	H						
5688.00	H						
6399.00	H						
7110.00	H						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

12. FREQUENCY STABILITY V.S. TEMPERATURE MEASUREMENT

12.1. Standard Applicable:

According to FCC §2.1055(a) (1)

Frequency Tolerance: +/-2.5ppm for 850MHz band

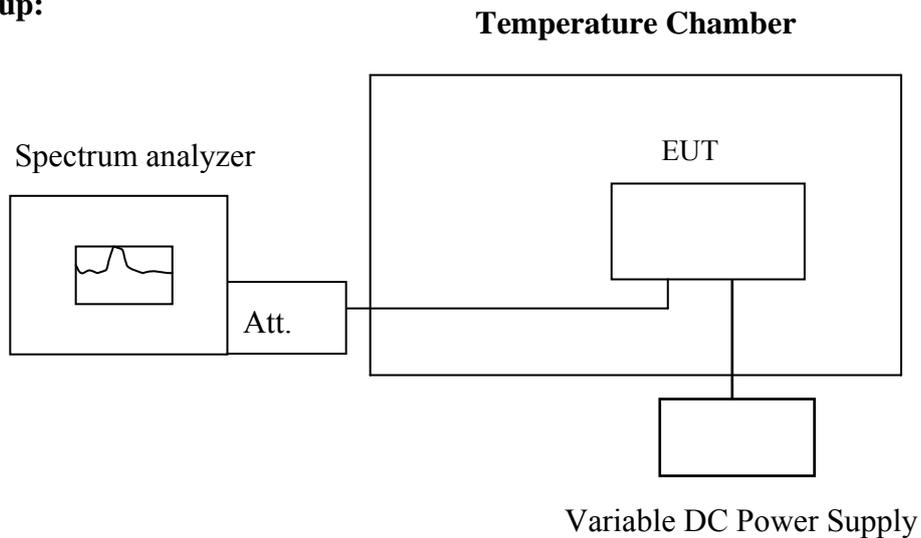
+/-2.5ppm for 1900MHz band

+/-2.5ppm for 1700MHz band

+/-2.5ppm for 700MHz band

The carrier frequency shall not depart from the reference frequency in excess of ± 2.5 ppm for mobile stations

12.2. Test Set-up:



Note : Measurement setup for testing on Antenna connector

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, WuKung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

12.3. Measurement Procedure:

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

12.4. Measurement Equipment Used:

Refer to section 2.4 in this report

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, WuKung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

12.5. Measurement Result:

Reference Frequency: GPRS 850 Mid Channel 836.6 MHz @ 25°C				
Limit: +/- 2.5 ppm = 2091 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	-30	836.599999	-2.00	2091
3.9	-20	836.599997	0.00	2091
3.9	-10	836.600001	-4.00	2091
3.9	0	836.600000	-3.00	2091
3.9	10	836.599998	-1.00	2091
3.9	20	836.599997	0.00	2091
3.9	30	836.599998	-1.00	2091
3.9	40	836.599996	1.00	2091
3.9	50	836.599994	3.00	2091

Reference Frequency: GPRS 1900 Mid Channel 1880 MHz @ 25°C				
Limit: +/- 2.5 ppm = 4700 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	-30	1879.999999	0.00	4700
3.9	-20	1879.999994	5.00	4700
3.9	-10	1880.000015	-16.00	4700
3.9	0	1879.999993	6.00	4700
3.9	10	1879.999995	4.00	4700
3.9	20	1880.000008	-9.00	4700
3.9	30	1879.999999	0.00	4700
3.9	40	1880.000005	-6.00	4700
3.9	50	1880.000017	-18.00	4700

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Reference Frequency: WCDMA II Mid Channel 1880 (ARFCN9400) MHz @ 20°C				
Limit: +/- 2.5 ppm = 4700 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	-30	1879.999990	16.00	4700
3.9	-20	1879.999996	10.00	4700
3.9	-10	1879.999997	9.00	4700
3.9	0	1879.999991	15.00	4700
3.9	10	1879.999987	19.00	4700
3.9	20	1880.000014	-8.00	4700
3.9	30	1880.000006	0.00	4700
3.9	40	1880.000003	3.00	4700
3.9	50	1880.000001	5.00	4700

Reference Frequency: WCDMA V Mid Channel 836.6 (ARFCN4183) MHz @ 20°C				
Limit: +/- 2.5 ppm = 2090 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	-30	836.600008	-14.00	2091
3.9	-20	836.599999	-5.00	2091
3.9	-10	836.600014	-20.00	2091
3.9	0	836.599993	1.00	2091
3.9	10	836.599997	-3.00	2091
3.9	20	836.600017	-23.00	2091
3.9	30	836.599994	0.00	2091
3.9	40	836.599996	-2.00	2091
3.9	50	836.599993	1.00	2091

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Reference Frequency: LTE B4 Mid Channel 1732.5 MHz 1.4M QPSK CH 20175				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	-30	1732.500006	-1.00	4331
3.9	-20	1732.500003	2.00	4331
3.9	-10	1732.500004	1.00	4331
3.9	0	1732.500002	3.00	4331
3.9	10	1732.500004	1.00	4331
3.9	20	1732.500005	0.00	4331
3.9	30	1732.500002	3.00	4331
3.9	40	1732.500021	-16.00	4331
3.9	50	1732.500039	-34.00	4332

Reference Frequency: LTE B4 Mid Channel 1732.5 MHz 1.4M 16QAM CH 20175				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	-30	1732.500005	-10.00	4331
3.9	-20	1732.500003	-8.00	4331
3.9	-10	1732.500004	-9.00	4331
3.9	0	1732.499997	-2.00	4331
3.9	10	1732.499998	-3.00	4331
3.9	20	1732.499995	0.00	4331
3.9	30	1732.499990	5.00	4331
3.9	40	1732.499981	14.00	4331
3.9	50	1732.499965	30.00	4332

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, WuKungRoad, NewTaipeiIndustrialPark, WukuDistrict, NewTaipeiCity, Taiwan24803/新北市五股區新北產業園區五工路 134 號

Reference Frequency: LTE B4 Mid Channel 1732.5 MHz 3M QPSK CH 20175				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	-30	1732.500003	4.00	4331
3.9	-20	1732.500005	2.00	4331
3.9	-10	1732.500004	3.00	4331
3.9	0	1732.500003	4.00	4331
3.9	10	1732.500005	2.00	4331
3.9	20	1732.500007	0.00	4331
3.9	30	1732.500005	2.00	4331
3.9	40	1732.500018	-11.00	4331
3.9	50	1732.500028	-21.00	4332

Reference Frequency: LTE B4 Mid Channel 1732.5 MHz 3M 16QAM CH 20175				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	-30	1732.499995	2.00	4331
3.9	-20	1732.499994	3.00	4331
3.9	-10	1732.499996	1.00	4331
3.9	0	1732.499998	-1.00	4331
3.9	10	1732.499996	1.00	4331
3.9	20	1732.499997	0.00	4331
3.9	30	1732.499990	7.00	4331
3.9	40	1732.500015	-18.00	4331
3.9	50	1732.500036	-39.00	4332

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Reference Frequency: LTE B4 Mid Channel 1732.5 MHz 5M QPSK CH 20175				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	-30	1732.500002	2.00	4331
3.9	-20	1732.500003	1.00	4331
3.9	-10	1732.499998	6.00	4331
3.9	0	1732.499999	5.00	4331
3.9	10	1732.500003	1.00	4331
3.9	20	1732.500004	0.00	4331
3.9	30	1732.500009	-5.00	4331
3.9	40	1732.499987	17.00	4331
3.9	50	1732.499975	29.00	4332

Reference Frequency: LTE B4 Mid Channel 1732.5 MHz 5M 16QAM CH 20175				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	-30	1732.499996	-2.00	4331
3.9	-20	1732.499997	-3.00	4331
3.9	-10	1732.500003	-9.00	4331
3.9	0	1732.500001	-7.00	4331
3.9	10	1732.499995	-1.00	4331
3.9	20	1732.499994	0.00	4331
3.9	30	1732.499997	-3.00	4331
3.9	40	1732.499980	14.00	4331
3.9	50	1732.499963	31.00	4332

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, WuKung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Reference Frequency: LTE B4 Mid Channel 1732.5 MHz 10M QPSK CH 20175				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	-30	1732.500005	-2.00	4331
3.9	-20	1732.500004	-1.00	4331
3.9	-10	1732.500002	1.00	4331
3.9	0	1732.500003	0.00	4331
3.9	10	1732.500002	1.00	4331
3.9	20	1732.500003	0.00	4331
3.9	30	1732.500004	-1.00	4331
3.9	40	1732.500011	-8.00	4331
3.9	50	1732.500037	-34.00	4331

Reference Frequency: LTE B4 Mid Channel 1732.5 MHz 10M 16QAM CH 20175				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	-30	1732.500008	-3.00	4331
3.9	-20	1732.500006	-1.00	4331
3.9	-10	1732.499997	8.00	4331
3.9	0	1732.500002	3.00	4331
3.9	10	1732.500003	2.00	4331
3.9	20	1732.500005	0.00	4331
3.9	30	1732.500007	-2.00	4331
3.9	40	1732.500016	-11.00	4331
3.9	50	1732.500025	-20.00	4332

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, WuKung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Reference Frequency: LTE B17 Mid Channel 710 MHz @ 5M QPSK CH 23790				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	-30	710.000003	0.00	1775
3.9	-20	710.000004	-1.00	1775
3.9	-10	710.000001	2.00	1775
3.9	0	710.000002	1.00	1775
3.9	10	710.000004	-1.00	1775
3.9	20	710.000003	0.00	1775
3.9	30	710.000005	-2.00	1775
3.9	40	710.000008	-5.00	1775
3.9	50	710.000018	-15.00	1775

Reference Frequency: LTE B17 Mid Channel 710 MHz 5M 16QAM CH 23790				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	-30	709.999997	6.00	1775
3.9	-20	709.999998	5.00	1775
3.9	-10	709.999997	6.00	1775
3.9	0	709.999999	4.00	1775
3.9	10	710.000003	0.00	1775
3.9	20	710.000003	0.00	1775
3.9	30	710.000006	-3.00	1775
3.9	40	710.000010	-7.00	1775
3.9	50	710.000021	-18.00	1776

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Reference Frequency: LTE B17 Mid Channel 710 MHz 10M QPSK CH 23790				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	-30	710.000004	-3.00	1775
3.9	-20	710.000001	0.00	1775
3.9	-10	710.000003	-2.00	1775
3.9	0	710.000003	-2.00	1775
3.9	10	710.000002	-1.00	1775
3.9	20	710.000001	0.00	1775
3.9	30	710.000004	-3.00	1775
3.9	40	710.000003	-2.00	1775
3.9	50	710.000020	-19.00	1775

Reference Frequency: LTE B17 Mid Channel 710 MHz 10M 16QAM CH 23790				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	-30	710.000003	-7.00	1775
3.9	-20	709.999998	-2.00	1775
3.9	-10	710.000000	-4.00	1775
3.9	0	709.999999	-3.00	1775
3.9	10	709.999997	-1.00	1775
3.9	20	709.999996	0.00	1775
3.9	30	709.999998	-2.00	1775
3.9	40	709.999996	0.00	1775
3.9	50	709.999981	15.00	1775

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

13. FREQUENCY STABILITY V.S. VOLTAGE MEASUREMENT

13.1. Standard Applicable:

According to FCC §2.1055(a) (1)

Frequency Tolerance: +/-2.5ppm for 850MHz band

+/-2.5ppm for 1900MHz band

+/-2.5ppm for 1700MHz band

+/-2.5ppm for 700MHz band

The carrier frequency shall not depart from the reference frequency in excess of ± 2.5 ppm for mobile stations.

13.2. Test Set-up:

Refer to section 10.2 in this report

13.3. Measurement Procedure:

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

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

13.4. Measurement Equipment Used:

Refer to section 2.4 in this report

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

13.5. Measurement Result:

Reference Frequency: GPRS 850 Mid Channel 836.6 MHz @ 25°C				
Limit: +/- 2.5 ppm = 2091 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
4.2	25.00	836.599983	6.00	2091.00
3.9	25.00	836.599989	0.00	2091.00
3.5	25.00	836.599986	3.00	2091.00
3.3 (End Point)	25.00	836.599982	7.00	2091.00

Reference Frequency: GPRS 1900 Mid Channel 1880 MHz @ 25°C				
Limit: +/- 2.5 ppm = 4700 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
4.2	25	1879.999992	14.00	4700
3.9	25	1880.000006	0.00	4700
3.5	25	1879.999993	13.00	4700
3.3 (End Point)	25	1879.999990	16.00	4700

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Reference Frequency: WCDMA II Mid Channel 1880 (ARFCN9400) MHz				
Limit: +/- 2.5 ppm = 4700 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
4.2	25	1879.999993	2.00	4700
3.9	25	1879.999995	0.00	4700
3.5	25	1879.999993	2.00	4700
3.3 (End Point)	25	1879.999997	-2.00	4700

Reference Frequency: WCDMA V Mid Channel 836.6 (ARFCN4183) MHz				
Limit: +/- 2.5 ppm = 2090 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
4.2	25.00	836.599995	4.00	2091.00
3.9	25.00	836.599999	0.00	2091.00
3.5	25.00	836.599998	1.00	2091.00
3.3 (End Point)	25.00	836.599997	2.00	2091.00

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, WuKung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Reference Frequency: LTE B4 Mid Channel 1732.5 MHz @ 25°C 1.4M QPSK CH 20175				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	25	1732.500002	0.00	4331
4.2	25	1732.500001	1.00	4331
3.5	25	1732.500007	-5.00	4331
3.0 (End Point)	25	1732.500070	-68.00	4331

Reference Frequency: LTE B4 Mid Channel 1732.5 MHz @ 25°C 1.4M 16QAM CH 20175				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	25	1732.500005	0.00	4331
4.2	25	1732.500003	2.00	4331
3.5	25	1732.499997	8.00	4331
3.0 (End Point)	25	1732.499960	45.00	4331

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, WuKungRoad, NewTaipeiIndustrialPark, WukuDistrict, NewTaipeiCity, Taiwan24803/新北市五股區新北產業園區五工路 134 號

Reference Frequency: LTE B4 Mid Channel 1732.5 MHz @ 25°C 3M QPSK CH 20175				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	25	1732.500002	0.00	4331
4.2	25	1732.499998	4.00	4331
3.5	25	1732.499996	6.00	4331
3.0 (End Point)	25	1732.499950	52.00	4331

Reference Frequency: LTE B4 Mid Channel 1732.5 MHz @ 25°C 3M 16QAM CH 20175				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	25	1732.500003	0.00	4331
4.2	25	1732.499998	5.00	4331
3.5	25	1732.500004	-1.00	4331
3.0 (End Point)	25	1732.500060	-57.00	4331

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, WuKung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Reference Frequency: LTE B4 Mid Channel 1732.5 MHz @ 25°C 5M QPSK CH 20175				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	25	1732.500001	0.00	4331
4.2	25	1732.500002	-1.00	4331
3.5	25	1732.500005	-4.00	4331
3.0 (End Point)	25	1732.500090	-89.00	4331

Reference Frequency: LTE B4 Mid Channel 1732.5 MHz @ 25°C 5M 16QAM CH 20175				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	25	1732.500001	0.00	4331
4.2	25	1732.500002	-1.00	4331
3.5	25	1732.499999	2.00	4331
3.0 (End Point)	25	1732.499970	31.00	4331

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Reference Frequency: LTE B4 Mid Channel 1732.5 MHz @ 25°C 10M QPSK CH 20175				
Limit: +/- 2.5 ppm = 2091 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	25	1732.500001	0.00	4331
4.2	25	1732.500005	-4.00	4331
3.5	25	1732.500003	-2.00	4331
3.0 (End Point)	25	1732.500060	-59.00	4331

Reference Frequency: LTE B4 Mid Channel 1732.5 MHz @ 25°C 10M 16QAM CH 20175				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	25	1732.500002	0.00	4331
4.2	25	1732.500004	-2.00	4331
3.5	25	1732.500002	0.00	4331
3.0 (End Point)	25	1732.500080	-78.00	4331

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Reference Frequency: LTE B17 Mid Channel 710 MHz @ 25°C 5M QPSK CH 23790				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	25	710.000003	0.00	1775
4.2	25	710.000002	1.00	1775
3.5	25	710.000001	2.00	1775
3.0 (End Point)	25	709.999970	33.00	1775

Reference Frequency: LTE B17 Mid Channel 710 MHz @ 25°C 5M 16QAM CH 23790				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	25	710.000002	0.00	1775
4.2	25	710.000001	1.00	1775
3.5	25	710.000002	0.00	1775
3.0 (End Point)	25	709.999960	42.00	1775

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號

Reference Frequency: LTE B17 Mid Channel 710 MHz @ 25°C 10M QPSK CH 23790				
Limit: +/- 2.5 ppm = 2091 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	25	710.000001	0.00	1775
4.2	25	710.000003	-2.00	1775
3.5	25	710.000005	-4.00	1775
3.0 (End Point)	25	709.999970	31.00	1775

Reference Frequency: LTE B17 Mid Channel 710 MHz @ 25°C 10M 16QAM CH 23790				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.9	25	710.000004	0.00	1775
4.2	25	710.000001	3.00	1775
3.5	25	710.000002	2.00	1775
3.0 (End Point)	25	709.999960	44.00	1775

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No. 134, Wukung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 / 新北市五股區新北產業園區五工路 134 號