

**ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT**  
**INTENTIONAL RADIATOR CERTIFICATION TO**  
**FCC PART 22 SUBPART H, PART 24 SUBPART E and PART 27 SUBPART**  
**B, C & SUBPART L and PART 90S REQUIREMENT**

OF

**Applicant:** HP Inc.  
3390 East Harmony Road Fort Collins, Colorado 80528 United States

**Product Name:** Notebook PC

**Brand Name:** HP

**Model No.:** TPN-Q206

**Model Difference:** For Marketing Purpose

**FCC ID:** B94HNQ206PD

**Report Number:** E2/2017/B00442

**FCC Rule Part:** 2 , 22H & 24E & 27B, C & L & 90S

**Issue Date:** Dec. 11, 2017

**Date of Test:** Nov. 08, 2017~ Dec. 06, 2017

**Date of EUT Received:** Nov. 08, 2017

**We hereby certify that:**

The above equipment was tested by SGS Taiwan 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 ANSI C63.26-2015 and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits.

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

**Prepared By:**

*Stefanie Yu*

**Stefanie Yu / Clerk**

**Approved By:**

*Jim Chang*

**Jim Chang / Asst. Manager**



Testing Laboratory  
0513

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

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

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

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](http://www.tw.sgs.com)

Member of SGS Group

## Revision History

Report Number	Revision	Description	Issue Date
E2/2017/B0044	Rev.00	Initial creation of document	Dec. 11, 2017

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

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

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

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](http://www.tw.sgs.com)

Member of SGS Group

## Contents

1. GENERAL PRODUCT INFORMATION .....	4
2. SYSTEM TEST CONFIGURATION .....	12
3. SUMMARY OF TEST RESULTS .....	15
4. DESCRIPTION OF TEST MODES .....	16
5. MEASUREMENT UNCERTAINTY .....	31
6. RF CONDUCTED OUTPUT POWER MEASUREMENT .....	32
7. EFFECTIVE RADIATED POWER AND EQUIVALENT ISOTROPIC RADIATED POWER MEASUREMENT .....	47
8. OCCUPIED BANDWIDTH MEASUREMENT .....	109
9. OUT OF BAND EMISSION AT ANTENNA TERMINALS .....	178
10. FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT .....	332
11. FREQUENCY STABILITY MEASUREMENT .....	446
12. PEAK TO AVERAGE RATIO .....	460
PHOTOGRAPHS OF SET UP .....	500
PHOTOGRAPHS OF EUT .....	502

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

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

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

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](http://www.tw.sgs.com)

Member of SGS Group

## 1. GENERAL PRODUCT INFORMATION

### 1.1. Product Description

General:

Product Name:	Notebook PC	
Brand Name:	HP	
Model No.:	TPN-Q206	
Model Difference:	N/A	
Product SW/HW version:	N/A / N/A	
Keyboard:	Model No.: N/A, Supplier: N/A	
Power Supply:	11.55Vdc from Rechargeable Li-ion Battery or 5 / 9 / 10 / 12 / 15 / 20 Vdc from AC/DC Adapter	
	Battery:	Model No.: HSTNN-LB8D, Supplier: Chongqing C-Tech Technology Co., Ltd.
	Adapter:	1. Model No.: TPN-CA06, Supplier: CHICONY POWER TECHNOLOGY (CHONGQING) CO., LTD. 2. Model No.: TPN-AA03, Supplier: Acbel Electronic (Wuhan) Co., Ltd. 3. Model No.: TPN-LA06, Supplier: Lite-On Technology Corp. 4. Model No.: TPN-DA07, Supplier: DELTA ELECTRONICS (JIANGSU) LTD.
IMEI:	359324080064992	

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

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

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

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



Vendor	Type	Main / Aux	Antenna Part No.	Modulation	Frequency (MHz)	Peak Antenna Gain (dBi)
WNC	PIFA	Main	DQ6415GC100 (81EAA415.GC1)	WCDMA / HSPA Band II	1852.4 ~ 1907.6	1.83
				WCDMA / HSPA Band IV	1712.4 ~ 1752.6	1.26
				WCDMA / HSPA Band V	826.4 ~ 846.6	-0.55
				LTE Band 2	1850 ~ 1910	2.13
				LTE Band 4	1710 ~ 1755	1.26
				LTE Band 5	824 ~ 849	-0.55
				LTE Band 7	2503 ~ 2560	1.11
				LTE Band 12	699 ~ 716	-4.82
				LTE Band 13	777 ~ 787	-2.27
				LTE Band 17	704 ~ 716	-4.82
				LTE Band 26	824 ~ 849	-0.55
				LTE Band 26 (Part 90S)	814 ~ 824	N/A
	LTE Band 30	2305 ~ 2315	N/A			
	LTE Band 38	2573 ~ 2610	N/A			
	LTE Band 41	2496 ~ 2690	1.11			
	LTE Band 66	1710 ~ 1780	1.26			
	PIFA	Aux	DQ6415GC100 (81EAA415.GC1)	WCDMA / HSPA Band II	1852.4 ~ 1907.6	0.45
				WCDMA / HSPA Band IV	1712.4 ~ 1752.6	N/A
				WCDMA / HSPA Band V	826.4 ~ 846.6	N/A
				LTE Band 2	1850 ~ 1910	0.45
				LTE Band 4	1710 ~ 1755	N/A
				LTE Band 5	824 ~ 849	N/A
				LTE Band 7	2503 ~ 2560	N/A
				LTE Band 12	699 ~ 716	N/A
LTE Band 13				777 ~ 787	-5.88	
LTE Band 17				704 ~ 716	N/A	
LTE Band 26				824 ~ 849	N/A	
LTE Band 26 (Part 90S)				814 ~ 824	-5.11	
LTE Band 30	2305 ~ 2315	N/A				
LTE Band 38	2573 ~ 2610	N/A				
LTE Band 41	2496 ~ 2690	-0.48				
LTE Band 66	1710 ~ 1780	N/A				

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

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

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

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

**Type of Emission & Max ERP/EIRP Power Measurement Result::**

	dBm		W	Type of Emission
WCDMA Band II	24.84	EIRP	0.305	4M08F9W
HSDPA Band II	19.03	EIRP	0.080	4M06F9W
HSUPA Band II	23.11	EIRP	0.204	4M06F9W
WCDMA Band IV	24.19	EIRP	0.262	4M07F9W
HSDPA Band IV	23.81	EIRP	0.240	4M06F9W
HSUPA Band IV	20.74	EIRP	0.119	4M06F9W
WCDMA Band V	21.05	ERP	0.123	4M08F9W
HSDPA Band V	20.48	ERP	0.117	4M07F9W
HSUPA Band V	20.02	ERP	0.100	4M07F9W

LTE Band	Bandwidth (MHz)	Modulation	(dBm)	ERP / EIRP	(W)	Type of Emission
2	1.4	QPSK	18.92	EIRP	0.078	1M12G7D
2	1.4	16QAM	17.7	EIRP	0.059	1M11D7W
2	3	QPSK	25.92	EIRP	0.391	2M73G7D
2	3	16QAM	25.41	EIRP	0.348	2M73D7W
2	5	QPSK	26.04	EIRP	0.402	4M53G7D
2	5	16QAM	26.19	EIRP	0.416	4M53D7W
2	10	QPSK	26.21	EIRP	0.418	9M08G7D
2	10	16QAM	27.06	EIRP	0.508	8M07D7W
2	15	QPSK	27.18	EIRP	0.522	13M5G7D
2	15	16QAM	27.71	EIRP	0.590	13M5D7W
2	20	QPSK	26.79	EIRP	0.478	18M1G7D
2	20	16QAM	27.1	EIRP	0.513	18M0D7W

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

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

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

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

LTE Band	Bandwidth	Modulation	(dBm)	ERP / EIRP	(W)	Type of
4	1.4	QPSK	26.73	EIRP	0.471	1M12G7D
4	1.4	16QAM	27.56	EIRP	0.570	1M11D7W
4	3	QPSK	26.56	EIRP	0.453	2M73G7D
4	3	16QAM	27.35	EIRP	0.543	2M73D7W
4	5	QPSK	26.56	EIRP	0.453	4M52G7D
4	5	16QAM	27.01	EIRP	0.502	4M52D7W
4	10	QPSK	26.43	EIRP	0.440	9M10G7D
4	10	16QAM	27.14	EIRP	0.518	9M08D7W
4	15	QPSK	26.22	EIRP	0.419	13M5G7D
4	15	16QAM	26.95	EIRP	0.495	13M5D7W
4	20	QPSK	26.07	EIRP	0.405	18M0G7D
4	20	16QAM	27.09	EIRP	0.512	18M0D7W
5	1.4	QPSK	25.92	ERP	0.391	1M12G7D
5	1.4	16QAM	26.04	ERP	0.402	1M12D7W
5	3	QPSK	25.94	ERP	0.393	2M73G7D
5	3	16QAM	26.27	ERP	0.424	2M72D7W
5	5	QPSK	26.07	ERP	0.405	4M52G7D
5	5	16QAM	26.38	ERP	0.435	4M53D7W
5	10	QPSK	26.69	ERP	0.467	9M10G7D
5	10	16QAM	26.67	ERP	0.465	9M11D7W
7	5	QPSK	25.6	EIRP	0.363	4M54G7D
7	5	16QAM	25.55	EIRP	0.359	4M55D7W
7	10	QPSK	24.39	EIRP	0.275	9M12G7D
7	10	16QAM	24.49	EIRP	0.281	9M10D7W
7	15	QPSK	24.55	EIRP	0.285	13M55G7D
7	15	16QAM	24.63	EIRP	0.290	13M59D7W
7	20	QPSK	25.29	EIRP	0.338	18M08G7D
7	20	16QAM	25.25	EIRP	0.335	18M05D7W

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

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

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

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

LTE Band	Bandwidth	Modulation	(dBm)	ERP / EIRP	(W)	Type of
12	1.4	QPSK	22.51	ERP	0.178	1M12G7D
12	1.4	16QAM	21.89	ERP	0.155	1M12D7W
12	3	QPSK	21.56	ERP	0.143	2M72G7D
12	3	16QAM	22.83	ERP	0.192	2M73D7W
12	5	QPSK	21.78	ERP	0.151	4M53G7D
12	5	16QAM	22.21	ERP	0.166	4M53D7W
12	10	QPSK	21.73	ERP	0.149	9M11G7D
12	10	16QAM	21.96	ERP	0.157	9M15D7W
13	5	QPSK	27.78	ERP	0.600	4M53G7D
13	5	16QAM	27.66	ERP	0.583	4M53D7W
13	10	QPSK	26.36	ERP	0.433	9M04G7D
13	10	16QAM	25.92	ERP	0.391	9M06D7W
17	5	QPSK	18.94	ERP	0.078	4M53G7D
17	5	16QAM	19.13	ERP	0.082	4M53D7W
17	10	QPSK	18.08	ERP	0.064	9M04G7D
17	10	16QAM	18.91	ERP	0.078	9M01D7W
26	1.4	QPSK	26.39	ERP	0.436	1M11G7D
26	1.4	16QAM	25.92	ERP	0.391	1M12D7W
26	3	QPSK	25.6	ERP	0.363	2M73G7D
26	3	16QAM	26.03	ERP	0.401	2M72D7W
26	5	QPSK	27.27	ERP	0.533	4M55G7D
26	5	16QAM	25.39	ERP	0.346	4M54D7W
26	10	QPSK	24.43	ERP	0.277	9M17G7D
26	10	16QAM	25.54	ERP	0.358	9M15D7W
26	15	QPSK	24.79	ERP	0.301	13M5G7D
26	15	16QAM	25.9	ERP	0.389	13M6D7W

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

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

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

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

LTE Band	Bandwidth	Modulation	(dBm)	ERP / EIRP	(W)	Type of
26 Part90	1.4	QPSK	27.71	ERP	0.590	1M12G7D
26 Part90	1.4	16QAM	27.79	ERP	0.601	1M12D7W
26 Part90	3	QPSK	27.49	ERP	0.561	2M72G7D
26 Part90	3	16QAM	27.38	ERP	0.547	2M72D7W
26 Part90	5	QPSK	28.04	ERP	0.637	4M55G7D
26 Part90	5	16QAM	27.38	ERP	0.547	4M55D7W
26 Part90	10	QPSK	27.21	ERP	0.526	9M16G7D
26 Part90	10	16QAM	27.39	ERP	0.548	9M17D7W
30	5	QPSK	25.29	EIRP	0.338	4M53G7D
30	5	16QAM	24.87	EIRP	0.307	4M53D7W
30	10	QPSK	25.22	EIRP	0.333	9M04G7D
30	10	16QAM	25.19	EIRP	0.330	9M10D7W
38	5	QPSK	19.51	EIRP	0.089	4M52G7D
38	5	16QAM	19.38	EIRP	0.087	4M53D7W
38	10	QPSK	19.77	EIRP	0.095	9M07G7D
38	10	16QAM	19.43	EIRP	0.088	9M06D7W
38	15	QPSK	19.89	EIRP	0.097	13M5G7D
38	15	16QAM	19.73	EIRP	0.094	13M5D7W
38	20	QPSK	19.72	EIRP	0.094	18M0G7D
38	20	16QAM	19.43	EIRP	0.088	18M0D7W
41	5	QPSK	25.76	EIRP	0.377	4M54G7D
41	5	16QAM	25.51	EIRP	0.356	4M54D7W
41	10	QPSK	25.58	EIRP	0.361	9M07G7D
41	10	16QAM	25.56	EIRP	0.360	9M09D7W
41	15	QPSK	24.63	EIRP	0.290	13M5G7D
41	15	16QAM	24.42	EIRP	0.277	13M5D7W
41	20	QPSK	25.84	EIRP	0.384	18M0G7D
41	20	16QAM	26.05	EIRP	0.403	18M0D7W
66	1.4	QPSK	27.34	EIRP	0.542	1M12D7W
66	1.4	16QAM	27.35	EIRP	0.543	1M12D7W
66	3	QPSK	22.24	EIRP	0.167	2M73D7W
66	3	16QAM	24.28	EIRP	0.268	2M73D7W
66	5	QPSK	23.78	EIRP	0.239	4M52D7W
66	5	16QAM	24.58	EIRP	0.287	4M53D7W
66	10	QPSK	23.53	EIRP	0.225	9M07D7W
66	10	16QAM	24.11	EIRP	0.258	9M07D7W
66	15	QPSK	23.64	EIRP	0.231	13M5D7W
66	15	16QAM	24.04	EIRP	0.254	13M5D7W
66	20	QPSK	23.71	EIRP	0.235	18M0D7W
66	20	16QAM	24.18	EIRP	0.262	18M0D7W

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

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

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

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

## 1.2. Test Methodology of Applied Standards

CC 47 CFR Part 2, 22, 24, 27, Part 90S.

ANSI C63.26-2015

KDB971168 D01 Power Meas license Digital System

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

TS 151 010-1 is used to set, and measure the output power.

Note: All test items have been performed and record as per the above standards.

## 1.3. Test Facility

SGS Taiwan Ltd. Electronics & Communication Laboratory No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan. (TAF code 0513)

FCC Registration Number and Designation number are: 735305 / TW0002

## 1.4. Special Accessories

No special accessories were used during testing.

## 1.5. Equipment Modifications

There were no modifications incorporated into the EUT.

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

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

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

## 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 continuous transmission mode employed with the simulator of the Base Station that fixates at test default channels to fix the Tx frequency which was for the purpose of the measurements.

### 2.3. Test Procedure

#### 2.3.1 Conducted Measurement at Antenna Port

According to measurement procured ANSI C63.26-2015, 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.

#### 2.3.2 Radiated Emissions (ERP/EIRP)

According to measurement procured ANSI C63.26-2015, The EUT is a placed on as turn table, for emission measurements below 1 GHz is 0.8 m above ground plane, for emission measurements above 1 GHz, the table height shall be 1.5 m. 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.

### 2.4. Measurement Results Explanation Example

#### For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.

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

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

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

**Note:**

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Following shows an offset computation example with cable loss 0.5 dB and 10 dB attenuator and 5.4 dB for splitter.

$$\text{Offset} = \text{RF cable loss (dB)} + \text{attenuation factor(dB)} = 0.5 + 15.4 = 15.9(\text{dB})$$

**2.5. Final Amplifier Voltage and Current Information:**

Test Mode	DC voltage (V)	DC current (mA)
WCDMA B2	11.55 Vdc	0.734
WCDMA B4	11.55 Vdc	0.728
WCDMA B5	11.55 Vdc	0.732
LTE Band 2	11.55 Vdc	0.748
LTE Band 4	11.55 Vdc	0.867
LTE Band 5	11.55 Vdc	0.701
LTE Band 7	11.55 Vdc	0.853
LTE Band 12	11.55 Vdc	0.686
LTE Band 13	11.55 Vdc	0.724
LTE Band 17	11.55 Vdc	0.681
LTE Band 26	11.55 Vdc	0.705
LTE Band 26 (Part 90S)	11.55 Vdc	0.698
LTE Band 30	11.55 Vdc	0.836
LTE Band 38	11.55 Vdc	0.849
LTE Band 41	11.55 Vdc	0.865
LTE Band 66	11.55 Vdc	0.868

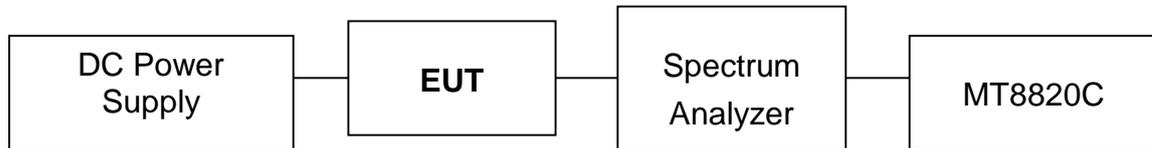
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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

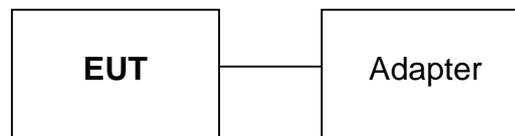
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for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

## 2.6. Configuration of Tested System

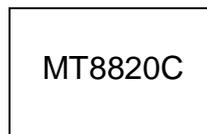
**Fig. 2-1 Configuration of Tested System (Fixed Channel-Conducted)**



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



**Remote Side**



**Table 2-1 Equipment Used in**

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	6200307563	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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

### 3. SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§2.1046(a)	RF Power Output	Compliant
§2.1046(a) §22.913(a)(5) §24.232(c) §27.50(c)(10) §27.50(d)(4) §27.50(h)(2) §90.635	ERP/ EIRP measurement	Compliant
§2.1049(h)	99% & 26dB Occupied Bandwidth	Compliant
§2.1051 §22.917(a) §24.238(a) §27.53(g) §27.50(c)(5) §27.53(h) §27.53(m)(4)(6) §90.691	Out of Band Emissions at Antenna Terminals and Band Edge / Emission mask requirements	Compliant
§2.1053 §22.917(a) §24.238(a) §27.53(c)(2),(4) §27.50(c)(5) §27.53(f) §27.53(g) §27.53(h) §27.53(m)(4) §90.691(a)(1)(2)	Field Strength of Spurious Radiation	Compliant
§24.232(d) §27.53(d) (5) §27.50(i) (B)	Peak to Average Ratio	Compliant
§2.1055(a)(1) §22.355 §24.235 §27.54 §90.213	Frequency Stability	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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

## 4. DESCRIPTION OF TEST MODES

### 4.1. The Worst Test Modes and Channel Details

1. The EUT has been tested under operating condition.
2. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, X(E1)Y(E2)Z(H) axis and antenna ports. The worst case was found as listed below. Following channel(s) was (were) selected for the final test as listed below:

BAND	ERP/EIRP	RADIATED EMISSION
WCDMA/HSPA Band II	E2-plan	E2-plan
WCDMA/HSPA Band IV	E2-plan	E2-plan
WCDMA/HSPA Band V	E2-plan	E2-plan
LTE Band 2	E2-plan	E2-plan
LTE Band 4	E2-plan	E2-plan
LTE Band 5	E2-plan	E2-plan
LTE Band 7	E2-plan	E2-plan
LTE Band 12	E2-plan	E2-plan
LTE Band 13	E2-plan	E2-plan
LTE Band 17	E2-plan	E2-plan
LTE Band 26	E2-plan	E2-plan
LTE Band 26 (Part 90S)	E2-plan	E2-plan
LTE Band 30	E2-plan	E2-plan
LTE Bnad 38	E2-plan	E2-plan
LTE Band 41	E2-plan	E2-plan
LTE Band 66	E2-plan	E2-plan

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

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

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

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](http://www.tw.sgs.com)

Member of SGS Group

WCDMA/HSPA MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
ERP	4132 to 4233	4132, 4183, 4233	WCDMA/HSPA Band V
EIRP	9262 to 9538 1312 to 1513	9262, 9400, 9583 1312, 1413, 1513	WCDMA/HSPA Band II WCDMA/HSPA Band IV
FREQUENCY STABILITY	4132 to 4233 1312 to 1513 9262 to 9538	4183 1413 9400	WCDMA Band II WCDMA Band IV WCDMA Band V
OCCUPIED BANDWIDTH	4132 to 4233 1312 to 1513 9262 to 9538	4132, 4183, 4233 1312, 1413, 1513 9262, 9400, 9583	WCDMA/HSPA Band II WCDMA/HSPA Band IV WCDMA/HSPA Band V
PEAK TO AVERAGE RATIO	4132 to 4233 1312 to 1513 9262 to 9538	4132, 4183, 4233 1312, 1413, 1513 9262, 9400, 9583	WCDMA/HSPA Band II WCDMA/HSPA Band IV WCDMA/HSPA Band V
BAND EDGE	4132 to 4233 1312 to 1513 9262 to 9538	4132, 4233 1312, 1513 9262, 9583	WCDMA Band II WCDMA Band IV WCDMA Band V
CONDUCTED EMISSION	4132 to 4233 1312 to 1513 9262 to 9538	4132, 4183, 4233 1312, 1413, 1513 9262, 9400, 9583	WCDMA Band II WCDMA Band IV WCDMA Band V
RADIATED EMISSION	4132 to 4233 1312 to 1513 9262 to 9538	4132, 4183, 4233 1312, 1413, 1513 9262, 9400, 9583	HSDPA Band II HSUPA Band IV WCDMA Band V

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

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

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

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](http://www.tw.sgs.com)

Member of SGS Group

**LTE Band 2 MODE**

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	18625 to 19175	18625, 18900, 19175	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	18650 to 19150	18650, 18900, 19150	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	18650 to 19150	18900	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK, 16QAM	Full RB
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK, 16QAM	Full RB
	18625 to 19175	18625, 18900, 19175	5MHz	QPSK, 16QAM	Full RB
	18650 to 19150	18650, 18900, 19150	10MHz	QPSK, 16QAM	Full RB
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK, 16QAM	Full RB
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	18607 to 19193	18607, 18900, 19193	1.4MHz	16QAM	Full RB
	18615 to 19185	18615, 18900, 19185	3MHz	16QAM	Full RB
	18625 to 19175	18625, 18900, 19175	5MHz	16QAM	Full RB
	18650 to 19150	18650, 18900, 19150	10MHz	16QAM	Full RB
	18675 to 19125	18675, 18900, 19125	15MHz	16QAM	Full RB
	18700 to 19100	18700, 18900, 19100	20MHz	16QAM	Full RB
BAND EDGE	18607 to 19193	18607, 19193	1.4MHz	QPSK,	1 RB/ 0,5 RB Offes Full RB
	18615 to 19185	18615, 19185	3MHz	QPSK,	1 RB/ 0,14 RB Offest Full RB
	18625 to 19175	18625, 19175	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	18650 to 19150	18650, 19150	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
	18675 to 19125	18675, 19125	15MHz	QPSK,	1 RB/ 0,74 RB Offest Full RB
	18700 to 19100	18700, 19100	20MHz	QPSK,	1 RB/ 0,99 RB Offest Full RB
CONDCUDED EMISSION	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK,	1 RB, 0 RB Offest
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK,	1 RB, 0 RB Offest
	18625 to 19175	18625, 18900, 19175	5MHz	QPSK,	1 RB, 0 RB Offest
	18650 to 19150	18650, 18900, 19150	10MHz	QPSK,	1 RB, 0 RB Offest
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK,	1 RB, 0 RB Offest
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK,	1 RB, 0 RB Offest
RADIATED EMISSION	18625 to 19175	18625, 18900, 19175	3MHz	QPSK	1 RB, 14 RB Offest

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

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

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

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

**LTE Band 4 MODE**

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	19957 to 19393	19957, 20175, 19393	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
	19965 to 22385	19965, 20175, 22385	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	20000 to 20350	20175	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	19957 to 19393	19957, 20175, 19393	1.4MHz	QPSK, 16QAM	Full RB
	19965 to 22385	19965, 20175, 22385	3MHz	QPSK, 16QAM	Full RB
	19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM	Full RB
	20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM	Full RB
	20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM	Full RB
	20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	19957 to 19393	19957, 20175, 19393	1.4MHz	16QAM	Full RB
	19965 to 22385	19965, 20175, 22385	3MHz	16QAM	Full RB
	19975 to 20375	19975, 20175, 20375	5MHz	16QAM	Full RB
	20000 to 20350	20000, 20175, 20350	10MHz	16QAM	Full RB
	20025 to 20325	20025, 20175, 20325	15MHz	16QAM	Full RB
	20050 to 20300	20050, 20175, 20300	20MHz	16QAM	Full RB
BAND EDGE	19957 to 19393	19957, 19393	1.4MHz	QPSK,	1 RB/ 0,5 RB Offes Full RB
	19965 to 22385	19965, 22385	3MHz	QPSK,	1 RB/ 0,14 RB Offest Full RB
	19975 to 20375	19975, 20375	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	20000 to 20350	20000, 20350	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
	20025 to 20325	20025, 20325	15MHz	QPSK,	1 RB/ 0,74 RB Offest Full RB
	20050 to 20300	20050, 20300	20MHz	QPSK,	1 RB/ 0,99 RB Offest Full RB
CONDCUDED EMISSION	19957 to 19393	19957, 20175, 19393	1.4MHz	QPSK,	1 RB, 0 RB Offest
	19965 to 22385	19965, 20175, 22385	3MHz	QPSK,	1 RB, 0 RB Offest
	19975 to 20375	19975, 20175, 20375	5MHz	QPSK,	1 RB, 0 RB Offest
	20000 to 20350	20000, 20175, 20350	10MHz	QPSK,	1 RB, 0 RB Offest
	20025 to 20325	20025, 20175, 20325	15MHz	QPSK,	1 RB, 0 RB Offest
	20050 to 20300	20050, 20175, 20300	20MHz	QPSK,	1 RB, 0 RB Offest
RADIATED EMISSION	20000 to 20350	20000, 20175, 20350	3MHz	QPSK,	1 RB, 0 RB Offest

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

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

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

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

**LTE Band 5 MODE**

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
ERP	20470 to 20643	20470, 20525, 20643	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
	20415 to 20635	20415, 20525, 20635	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	20425 to 20625	20425, 20525, 20625	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	20450 to 20600	20450, 20525, 20600	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	20450 to 20600	20525	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	20470 to 20643	20470, 20525, 20643	1.4MHz	QPSK, 16QAM	Full RB
	20415 to 20635	20415, 20525, 20635	3MHz	QPSK, 16QAM	Full RB
	20425 to 20625	20425, 20525, 20625	5MHz	QPSK, 16QAM	Full RB
	20450 to 20600	20450, 20525, 20600	10MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	20470 to 20643	20470, 20525, 20643	1.4MHz	16QAM	Full RB
	20415 to 20635	20415, 20525, 20635	3MHz	16QAM	Full RB
	20425 to 20625	20425, 20525, 20625	5MHz	16QAM	Full RB
	20450 to 20600	20450, 20525, 20600	10MHz	16QAM	Full RB
BAND EDGE	20470 to 20643	20470, 20643	1.4MHz	QPSK,	1 RB/ 0,5 RB Offes Full RB
	20415 to 20635	20415, 20635	3MHz	QPSK,	1 RB/ 0,14 RB Offest Full RB
	20425 to 20625	20425, 20625	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	20450 to 20600	20450, 20600	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
CONDCUDED EMISSION	20470 to 20643	20470, 20525, 20643	1.4MHz	QPSK,	1 RB, 0 RB Offest
	20415 to 20635	20415, 20525, 20635	3MHz	QPSK,	1 RB, 0 RB Offest
	20425 to 20625	20425, 20525, 20625	5MHz	QPSK,	1 RB, 0 RB Offest
	20450 to 20600	20450, 20525, 20600	10MHz	QPSK,	1 RB, 0 RB Offest
RADIATED EMISSION	20450 to 20600	20450, 20525, 20600	1.4MHz	QPSK	1 RB, 0 RB Offest

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

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

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

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

**LTE Band 7 MODE**

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	20850 to 21375	20850, 21100, 21375	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	20800 to 21400	21100	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM	Full RB
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM	Full RB
	20850 to 21375	20850, 21100, 21375	15MHz	QPSK, 16QAM	Full RB
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	20775 to 21425	20775, 21100, 21425	5MHz	16QAM	Full RB
	20800 to 21400	20800, 21100, 21400	10MHz	16QAM	Full RB
	20850 to 21375	20850, 21100, 21375	15MHz	16QAM	Full RB
	20850 to 21350	20850, 21100, 21350	20MHz	16QAM	Full RB
BAND EDGE	20775 to 21425	20775, 21100, 21425	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
	20850 to 21375	20850, 21100, 21375	15MHz	QPSK,	1 RB/ 0,74 RB Offest Full RB
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK,	1 RB/ 0,99 RB Offest Full RB
CONDCUDED EMISSION	20775 to 21425	20775, 21100, 21425	5MHz	QPSK,	1 RB, 0 RB Offest
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK,	1 RB, 0 RB Offest
	20850 to 21375	20850, 21100, 21375	15MHz	QPSK,	1 RB, 0 RB Offest
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK,	1 RB, 0 RB Offest
RADIATED EMISSION	20775 to 21425	20775, 21100, 21425	5MHz	QPSK,	1 RB, 0 RB Offest
EMISSION MASK	20775 to 21425	20775, 21100, 21425	5MHz	QPSK,	1 RB/ 0,24 RB Offest 25 RB/ 0 Offset
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK,	1 RB/ 0,49 RB Offest 50 RB/ 0 Offset
	20850 to 21375	20850, 21100, 21375	15MHz	QPSK,	1 RB/ 0,74 RB Offest 75 RB/ 0 Offset
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK,	1 RB/ 0,99 RB Offest 100 RB/ 0 Offset

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

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

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

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

**LTE Band 12 MODE**

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
ERP	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
	23025 to 23165	23025, 23095, 23165	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	23035 to 23155	23035, 23095, 23155	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	23060 to 23130	23095	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK, 16QAM	Full RB
	23025 to 23165	23025, 23095, 23165	3MHz	QPSK, 16QAM	Full RB
	23035 to 23155	23035, 23095, 23155	5MHz	QPSK, 16QAM	Full RB
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	23017 to 23173	23017, 23095, 23173	1.4MHz	16QAM	Full RB
	23025 to 23165	23025, 23095, 23165	3MHz	16QAM	Full RB
	23035 to 23155	23035, 23095, 23155	5MHz	16QAM	Full RB
	23060 to 23130	23060, 23095, 23130	10MHz	16QAM	Full RB
BAND EDGE	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK,	1 RB/ 0,5 RB Offes Full RB
	23025 to 23165	23025, 23095, 23165	3MHz	QPSK,	1 RB/ 0,14 RB Offest Full RB
	23035 to 23155	23035, 23095, 23155	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
CONDCUDED EMISSION	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK,	1 RB, 0 RB Offest
	23025 to 23165	23025, 23095, 23165	3MHz	QPSK,	1 RB, 0 RB Offest
	23035 to 23155	23035, 23095, 23155	5MHz	QPSK,	1 RB, 0 RB Offest
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK,	1 RB, 0 RB Offest
RADIATED EMISSION	23035 to 23155	23035, 23095, 23155	1.4MHz	QPSK	1 RB, 0 RB Offest

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

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

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

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

**LTE Band 13 MODE**

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
ERP	23205 to 23255	23205, 23230, 23255	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	23230	23230	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	23230	23230	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	23205 to 23255	23205, 23230, 23255	5MHz	QPSK, 16QAM	Full RB
	23230	23230	10MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	23205 to 23255	23205, 23230, 23255	5MHz	16QAM	Full RB
	23230	23230	10MHz	16QAM	Full RB
BAND EDGE	23205 to 23255	23205, 23255	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	23230	23230	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
CONDCUDED EMISSION	23205 to 23255	23205, 23230, 23255	5MHz	QPSK,	1 RB, 0 RB Offest
	23230	23230	10MHz	QPSK,	1 RB, 0 RB Offest
RADIATED EMISSION	23205 to 23255	23205, 23230, 23255	10MHz	QPSK	1 RB/ 0 RB Offest

**LTE Band 17 MODE**

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
ERP	23755 to 23825	23755, 23790, 23825	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	23780 to 23800	23780, 23790, 23800	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	23780 to 23800	23790	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	23755 to 23825	23755, 23790, 23825	5MHz	QPSK, 16QAM	Full RB
	23780 to 23800	23780, 23790, 23800	10MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	23755 to 23825	23755, 23790, 23825	5MHz	16QAM	Full RB
	23780 to 23800	23780, 23790, 23800	10MHz	16QAM	Full RB
BAND EDGE	23755 to 23825	23755, 23825	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	23780 to 23800	23780, 23800	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
CONDCUDED EMISSION	23755 to 23825	23755, 23790, 23825	5MHz	QPSK,	1 RB, 0 RB Offest
	23780 to 23800	23780, 23790, 23800	10MHz	QPSK,	1 RB, 0 RB Offest
RADIATED EMISSION	23755 to 23825	23755, 23790, 23825	5MHz	16QAM	1 RB/ 0 RB Offest

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

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

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

**LTE Band 26 MODE**

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
ERP	26797 to 27033	26797, 26915, 27033	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
	26805 to 27025	26805, 26915, 27025	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	26815 to 27015	26815, 26915, 27015	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	26840 to 26990	26840, 26915, 26990	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	26865 to 26965	26865, 26915, 26965	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
FREQUENCY STABILITY	26865 to 26965	26915	15MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	26797 to 27033	26797, 26915, 27033	1.4MHz	QPSK, 16QAM	Full RB
	26805 to 27025	26805, 26915, 27025	3MHz	QPSK, 16QAM	Full RB
	26815 to 27015	26815, 26915, 27015	5MHz	QPSK, 16QAM	Full RB
	26840 to 26990	26840, 26915, 26990	10MHz	QPSK, 16QAM	Full RB
	26865 to 26965	26865, 26915, 26965	15MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	26797 to 27033	26797, 26915, 27033	1.4MHz	16QAM	Full RB
	26805 to 27025	26805, 26915, 27025	3MHz	16QAM	Full RB
	26815 to 27015	26815, 26915, 27015	5MHz	16QAM	Full RB
	26840 to 26990	26840, 26915, 26990	10MHz	16QAM	Full RB
	26865 to 26965	26865, 26915, 26965	15MHz	16QAM	Full RB
BAND EDGE	26797 to 27033	26797, 26915, 27033	1.4MHz	QPSK,	1 RB/ 0,5 RB Offes Full RB
	26805 to 27025	26805, 26915, 27025	3MHz	QPSK,	1 RB/ 0,14 RB Offest Full RB
	26815 to 27015	26815, 26915, 27015	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	26840 to 26990	26840, 26915, 26990	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
	26865 to 26965	26865, 26915, 26965	15MHz	QPSK	1 RB/ 0,74 RB Offest
CONDCUDED EMISSION	26797 to 27033	26797, 26915, 27033	1.4MHz	QPSK,	1 RB, 0 RB Offest
	26805 to 27025	26805, 26915, 27025	3MHz	QPSK,	1 RB, 0 RB Offest
	26815 to 27015	26815, 26915, 27015	5MHz	QPSK,	1 RB, 0 RB Offest
	26840 to 26990	26840, 26915, 26990	10MHz	QPSK,	1 RB, 0 RB Offest
	26865 to 26965	26865, 26915, 26965	15MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	26805 to 27025	26805, 26915, 27025	1.4MHz	QPSK,	1 RB, 0 RB Offest

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

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

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

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

**LTE Band 26 for 90S MODE**

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
ERP	26697 to 26783	26697, 26740, 26783	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
	26705 to 26775	26705, 26740, 26775	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	26715 to 26765	26715, 26740, 26765	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	26740	26740	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	26697 to 26783	26740	1.4MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	26697 to 26783	26697, 26740, 26783	1.4MHz	QPSK, 16QAM	Full RB
	26705 to 26775	26705, 26740, 26775	3MHz	QPSK, 16QAM	Full RB
	26715 to 26765	26715, 26740, 26765	5MHz	QPSK, 16QAM	Full RB
	26740	26740	10MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	26697 to 26783	26697, 26740, 26783	1.4MHz	16QAM	Full RB
	26705 to 26775	26705, 26740, 26775	3MHz	16QAM	Full RB
	26715 to 26765	26715, 26740, 26765	5MHz	16QAM	Full RB
	26740	26740	10MHz	16QAM	Full RB
BAND EDGE	26697 to 26783	26697, 26740, 26783	1.4MHz	QPSK,	1 RB/ 0,5 RB Offes Full RB
	26705 to 26775	26705, 26740, 26775	3MHz	QPSK,	1 RB/ 0,14 RB Offest Full RB
	26715 to 26765	26715, 26740, 26765	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	26740	26740	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
CONDCUDED EMISSION	26697 to 26783	26697, 26740, 26783	1.4MHz	QPSK,	1 RB, 0 RB Offest
	26705 to 26775	26705, 26740, 26775	3MHz	QPSK,	1 RB, 0 RB Offest
	26715 to 26765	26715, 26740, 26765	5MHz	QPSK,	1 RB, 0 RB Offest
	26740	26740	10MHz	QPSK,	1 RB, 0 RB Offest
RADIATED EMISSION	26740	26740	1.4MHz	QPSK,	1 RB, 0 RB Offest

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

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

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

**LTE Band 30 MODE**

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
ERP	27685 to 27735	27685, 27710, 27735	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	27710	27710	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	27710	27710	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	27685 to 27735	27685, 27710, 27735	5MHz	QPSK, 16QAM	Full RB
	27710	27710	10MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	27685 to 27735	27685, 27710, 27735	5MHz	16QAM	Full RB
	27710	27710	10MHz	16QAM	Full RB
BAND EDGE	27685 to 27735	27685, 27710, 27735	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	27710	27710	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
CONDCUDED EMISSION	27685 to 27735	27685, 27710, 27735	5MHz	QPSK,	1 RB, 0 RB Offest
	27710	27710	10MHz	QPSK,	1 RB, 0 RB Offest
RADIATED EMISSION	27685 to 27735	27685, 27710, 27735	10MHz	QPSK	1 RB/ 0 RB Offest

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

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

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

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

**LTE Band 38 MODE**

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	37775 to 38225	37775, 38000, 38225	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	37825 to 38175	37825 , 38000, 38175	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	37850 to 38150	37850 , 38000, 38150	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	37775 to 38225	37775, 38000, 38225	5MHz	QPSK, 16QAM	Full RB
	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK, 16QAM	Full RB
	37825 to 38175	37825 , 38000, 38175	15MHz	QPSK, 16QAM	Full RB
	37850 to 38150	37850 , 38000, 38150	20MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	37775 to 38225	37775, 38000, 38225	5MHz	16QAM	Full RB
	37800 to 38200	37800 , 38000, 38200	10MHz	16QAM	Full RB
	37825 to 38175	37825 , 38000, 38175	15MHz	16QAM	Full RB
	37850 to 38150	37850 , 38000, 38150	20MHz	16QAM	Full RB
BAND EDGE	37775 to 38225	37775, 38000, 38225	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
	37825 to 38175	37825 , 38000, 38175	15MHz	QPSK,	1 RB/ 0,74 RB Offest Full RB
	37850 to 38150	37850 , 38000, 38150	20MHz	QPSK,	1 RB/ 0,99 RB Offest Full RB
CONDCUDED EMISSION	37775 to 38225	37775, 38000, 38225	5MHz	QPSK,	1 RB, 0 RB Offest
	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK,	1 RB, 0 RB Offest
	37825 to 38175	37825 , 38000, 38175	15MHz	QPSK,	1 RB, 0 RB Offest
	37850 to 38150	37850 , 38000, 38150	20MHz	QPSK,	1 RB, 0 RB Offest
RADIATED EMISSION	37775 to 38225	37775, 38000, 38225	5MHz	QPSK,	1 RB, 0 RB Offest
EMISSION MASK	37775 to 38225	37775, 38000, 38225	5MHz	QPSK,	1 RB/ 0,24 RB Offest 25 RB/ 0 Offset
	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK,	1 RB/ 0,49 RB Offest 50 RB/ 0 Offset
	37825 to 38175	37825 , 38000, 38175	15MHz	QPSK,	1 RB/ 0,74 RB Offest 75 RB/ 0 Offset
	37850 to 38150	37850 , 38000, 38150	20MHz	QPSK,	1 RB/ 0,99 RB Offest 100 RB/ 0 Offset

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

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

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

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

**LTE Band 41 MODE**

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	39675 to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	39700 to 41540	39700, 40620, 41540	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	39725 to 41515	39725, 40620, 41515	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	39700 to 41540	39700, 40620, 41540	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	39675 to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM	Full RB
	39700 to 41540	39700, 40620, 41540	10MHz	QPSK, 16QAM	Full RB
	39725 to 41515	39725, 40620, 41515	15MHz	QPSK, 16QAM	Full RB
	39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	39675 to 41565	39675, 40620, 41565	5MHz	16QAM	Full RB
	39700 to 41540	39700, 40620, 41540	10MHz	16QAM	Full RB
	39725 to 41515	39725, 40620, 41515	15MHz	16QAM	Full RB
	39750 to 41490	39750, 40620, 41490	20MHz	16QAM	Full RB
BAND EDGE	39675 to 41565	39675, 41565	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	39700 to 41540	39700, 41540	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
	39725 to 41515	39725, 41515	15MHz	QPSK,	1 RB/ 0,74 RB Offest Full RB
	39750 to 41490	39750, 41490	20MHz	QPSK,	1 RB/ 0,99 RB Offest Full RB
CONDCUDED EMISSION	39675 to 41565	39675, 40620, 41565	5MHz	QPSK,	1 RB, 0 RB Offest
	39700 to 41540	39700, 40620, 41540	10MHz	QPSK,	1 RB, 0 RB Offest
	39725 to 41515	39725, 40620, 41515	15MHz	QPSK,	1 RB, 0 RB Offest
	39750 to 41490	39750, 40620, 41490	20MHz	QPSK,	1 RB, 0 RB Offest
EMISSION MASK	39675 to 41565	39675, 40620, 41565	5MHz	QPSK,	1 RB/ 0,24 RB Offest 25 RB/ 0 Offset
	39700 to 41540	39700, 40620, 41540	10MHz	QPSK,	1 RB/ 0,49 RB Offest 50 RB/ 0 Offset
	39725 to 41515	39725, 40620, 41515	15MHz	QPSK,	1 RB/ 0,74 RB Offest 75 RB/ 0 Offset
	39750 to 41490	39750, 40620, 41490	20MHz	QPSK,	1 RB/ 0,99 RB Offest 100 RB/ 0 Offset
RADIATED EMISSION	39750 to 41490	39750, 40620, 41490	20MHz	QPSK,	1 RB, 99 RB Offest

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

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

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

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

**LTE Band 66 MODE**

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	131979 to 132665	131979, 132322, 132665	1.4MHz	QPSK, 16QAM,	1 RB/ 0,5 RB Offest
	131987 to 132657	131987, 132322, 132657	3MHz	QPSK, 16QAM,	1 RB/ 0,14 RB Offest
	131997 to 132647	131997, 132322, 132647	5MHz	QPSK, 16QAM,	1 RB/ 0,24 RB Offest
	132022 to 132622	132022, 132322, 132622	10MHz	QPSK, 16QAM,	1 RB/ 0,49 RB Offest
	132047 to 132597	132047, 132322, 132597	15MHz	QPSK, 16QAM,	1 RB/ 0,74 RB Offest
	132072 to 132572	132072, 132322, 132572	20MHz	QPSK, 16QAM,	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	18650 to 19150	18900	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	131979 to 132665	131979, 132322, 132665	1.4MHz	QPSK, 16QAM,	Full RB
	131987 to 132657	131987, 132322, 132657	3MHz	QPSK, 16QAM,	Full RB
	131997 to 132647	131997, 132322, 132647	5MHz	QPSK, 16QAM,	Full RB
	132022 to 132622	132022, 132322, 132622	10MHz	QPSK, 16QAM,	Full RB
	132047 to 132597	132047, 132322, 132597	15MHz	QPSK, 16QAM,	Full RB
	132072 to 132572	132072, 132322, 132572	20MHz	QPSK, 16QAM,	Full RB
PEAK TO AVERAGE RATIO	131979 to 132665	131979, 132322, 132665	1.4MHz	16QAM	Full RB
	131987 to 132657	131987, 132322, 132657	3MHz	16QAM	Full RB
	131997 to 132647	131997, 132322, 132647	5MHz	16QAM	Full RB
	132022 to 132622	132022, 132322, 132622	10MHz	16QAM	Full RB
	132047 to 132597	132047, 132322, 132597	15MHz	16QAM	Full RB
	132072 to 132572	132072, 132322, 132572	20MHz	16QAM	Full RB
BAND EDGE	18607 to 19193	18607, 19193	1.4MHz	QPSK,	1 RB/ 0,5 RB Offes Full RB
	18615 to 19185	18615, 19185	3MHz	QPSK,	1 RB/ 0,14 RB Offest Full RB
	18625 to 19175	18625, 19175	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	18650 to 19150	18650, 19150	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
	18675 to 19125	18675, 19125	15MHz	QPSK,	1 RB/ 0,74 RB Offest Full RB
	18700 to 19100	18700, 19100	20MHz	QPSK,	1 RB/ 0,99 RB Offest Full RB

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

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

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

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

CONDCUDED EMISSION	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK,	1 RB, 0 RB Offest
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK,	1 RB, 0 RB Offest
	18625 to 19175	18625, 18900, 19175	5MHz	QPSK,	1 RB, 0 RB Offest
	18650 to 19150	18650, 18900, 19150	10MHz	QPSK,	1 RB, 0 RB Offest
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK,	1 RB, 0 RB Offest
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK,	1 RB, 0 RB Offest
RADIATED EMISSION	18700 to 19100	18700, 18900, 19100	20MHz	16QAM	1 RB, 99 RB Offest

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

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

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

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](http://www.tw.sgs.com)

Member of SGS Group

## 5. MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
RF Power Output	+/- 1.10 dB
ERP/ EIRP measurement	Vertical Polarization = +/- 4.74dB Horizontal Polarization = +/- 4.62dB
99% Occupied Bandwidth	+/- 5.19 Hz
Out of Band Emissions at Antenna Terminals and Band Edge	+/- 0.70 dB
Peak to Average Ratio	+/- 0.70 dB
Frequency Stability vs. Temperature	+/- 5.19 Hz
Frequency Stability vs. Voltage	+/- 5.19 Hz
Temperature	+/- 0.65 °C
Humidity	+/- 4.6 %
DC / AC Power Source	DC= +/- 0.13%, AC= +/- 0.2%

### Radiated Spurious Emission:

Measurement uncertainty (Polarization : <b>Vertical</b> )	9kHz – 30MHz: +/- 2.87 dB
	30MHz - 180MHz: +/- 3.37dB
	180MHz -417MHz: +/- 3.19dB
	0.417GHz-1GHz: +/- 3.19dB
	1GHz - 18GHz: +/- 4.04dB
	18GHz - 40GHz: +/- 4.04dB

Measurement uncertainty (Polarization : <b>Horizontal</b> )	9kHz – 30MHz: +/- 2.87 dB
	30MHz - 167MHz: +/- 4.22dB
	167MHz -500MHz: +/- 3.44dB
	0.5GHz-1GHz: +/- 3.39dB
	1GHz - 18GHz: +/- 4.08dB
	18GHz - 40GHz: +/- 4.08dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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

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

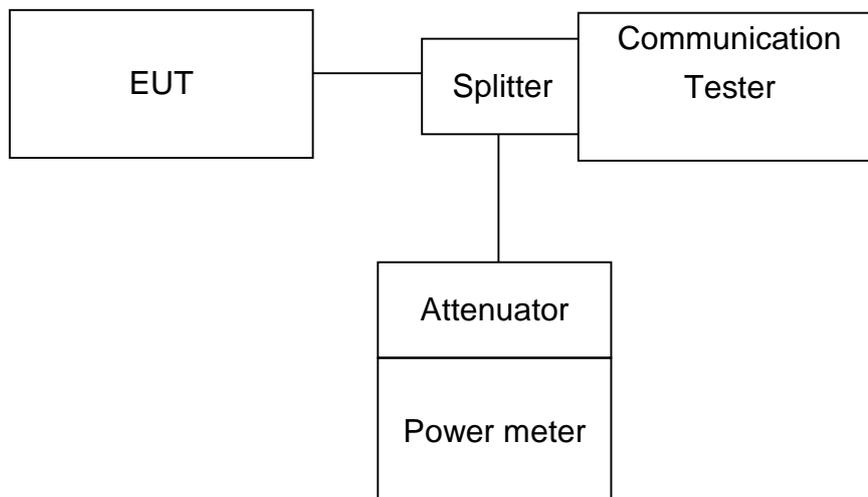
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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. RF CONDUCTED OUTPUT POWER MEASUREMENT

### 6.1. Standard Applicable

A base station simulator was used to establish communication with the EUT. Its parameters were set to transmit the maximum power on the EUT. The measured power in the radio frequency on the transmitter output terminals.

### 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. TS 151 010-1 is reference to conduct the test measurement of output power.

The Procedure of KDB941225 (SAR Measurement Procedures for 3G devices, (WCD-MA/HSPA) was used for EUT and Base station setting. RMC 12.2kps is used for this testing, and KDB 971168 D01 Power Meas License Digital System as the supplemental test methodology to adjust the proper setting obtaining the measurement results

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

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

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

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

#### 6.4. Measurement Equipment Used

Conducted Emission (measured at antenna port) Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	06/20/2017	06/19/2018
Communication Tester	Anritsu	MT8820C	6201107337	05/25/2017	05/24/2018
Coaxial Cable 30cm	WOKEN	00100A1F1A 195C	RF01	12/12/2016	12/11/2017
Temperature Chamber	TERCHY	MHK-120LK	1020582	06/13/2017	06/12/2018
DC Block	PASTERNAK	PE8210	RF29	12/12/2016	12/11/2017
Splitter	RF-LAMBAD	RFLT2W1G1 8G	RF35	12/12/2016	12/11/2017
Attenuator	WOKEN	218FS-10	RF23	12/12/2016	12/11/2017
DC Power Supply	Agilent	E3640A	MY53140006	05/02/2017	05/01/2018

#### 6.5. Measurement Result

##### RF Conducted Output Power

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

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

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

**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	Freq. (MHz)	CH	Avg. Power (dBm)
WCDMA Band II	1852.4	9262	23.90
	1880.0	9400	23.78
	1907.6	9538	23.60
WCDMA Band IV	1712.4	1312	23.86
	1732.6	1413	23.93
	1752.6	1513	23.96
WCDMA Band V	826.4	4132	23.94
	836.6	4183	23.72
	846.6	4233	23.93

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

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

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

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

**LTE Result:**

**LTE Band 2**

LTE Band 2 Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			18607	18900	19193	18607	18900	19193
1.4	1	0	22.69	<b>22.85</b>	22.38	21.99	21.89	21.86
	1	5	22.65	22.74	22.33	21.84	21.76	21.86
	3	2	21.68	21.73	21.42	21.98	21.89	21.51
	6	0	21.74	21.72	21.48	20.75	20.85	20.45

LTE Band 2 Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			18615	18900	19185	18615	18900	19185
3	1	0	22.71	<b>22.77</b>	22.36	21.84	21.75	21.60
	1	14	22.61	22.76	22.36	<b>21.95</b>	21.93	21.65
	8	4	21.70	21.73	21.35	20.62	20.73	20.42
	15	0	21.72	21.74	21.36	20.72	20.75	20.32

LTE Band 2 Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			18625	18900	19175	18625	18900	19175
5	1	0	22.79	<b>22.95</b>	22.43	21.89	21.93	21.81
	1	24	22.53	22.79	22.45	21.92	<b>21.95</b>	21.76
	12	6	21.92	22.00	21.67	20.96	20.98	20.71
	25	0	21.74	21.77	21.46	20.76	20.70	20.46

LTE Band 2 Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			18650	18900	19150	18650	18900	19150
10	1	0	22.77	<b>22.85</b>	22.50	21.97	21.91	21.97
	1	49	<b>22.85</b>	22.76	22.67	21.92	21.91	<b>21.98</b>
	25	12	21.71	21.88	21.57	20.63	20.95	20.59
	50	0	21.60	21.77	21.63	20.68	20.84	20.61

LTE Band 2 Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			18675	18900	19125	18675	18900	19125
15	1	0	<b>22.79</b>	22.71	22.65	<b>21.99</b>	21.89	21.97
	1	74	22.65	22.78	22.51	21.83	21.98	21.92
	36	19	21.70	21.82	21.52	20.67	20.89	20.57
	75	0	21.67	21.73	21.60	20.67	20.88	20.63

LTE Band 2 Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			18700	18900	19100	18700	18900	19100
20	1	0	<b>22.91</b>	22.72	22.79	21.96	<b>21.99</b>	21.75
	1	99	22.89	22.82	22.61	21.74	21.74	21.35
	50	25	21.68	21.71	21.55	20.77	20.83	20.53
	100	0	21.83	21.86	21.82	20.77	20.91	20.81

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

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

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

**LTE Band 4**

LTE Band 4 Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 19957	Channel (Mid) 20175	Channel (High) 20393	Channel (Low) 19957	Channel (Mid) 20175	Channel (High) 20393
1.4	1	0	23.23	23.11	<b>23.45</b>	22.36	22.42	22.40
	1	5	23.34	23.15	23.38	22.42	22.40	<b>22.46</b>
	3	2	22.41	22.32	22.48	22.30	22.34	22.43
	6	0	22.24	22.25	22.27	21.43	21.47	21.18

LTE Band 4 Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 19965	Channel (Mid) 20175	Channel (High) 20385	Channel (Low) 19965	Channel (Mid) 20175	Channel (High) 20385
3	1	0	23.23	23.19	<b>23.27</b>	<b>22.47</b>	22.43	22.41
	1	14	23.25	23.12	<b>23.27</b>	22.36	22.37	22.34
	8	4	22.28	22.20	22.34	21.33	21.18	21.39
	15	0	22.30	22.21	22.28	21.33	21.27	21.26

LTE Band 4 Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 19975	Channel (Mid) 20175	Channel (High) 20375	Channel (Low) 19975	Channel (Mid) 20175	Channel (High) 20375
5	1	0	22.58	22.65	22.67	21.98	21.76	21.98
	1	24	22.64	<b>22.69</b>	22.67	21.84	<b>22.07</b>	21.84
	12	6	22.42	22.35	22.48	21.45	21.46	21.45
	25	0	21.72	21.54	21.74	20.72	20.67	20.75

LTE Band 4 Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 20000	Channel (Mid) 20175	Channel (High) 20350	Channel (Low) 20000	Channel (Mid) 20175	Channel (High) 20350
10	1	0	23.20	<b>23.48</b>	23.21	22.46	22.45	22.27
	1	49	23.27	23.20	23.37	<b>22.49</b>	22.38	22.46
	25	12	22.37	22.21	22.36	21.44	21.30	21.45
	50	0	22.29	22.18	<b>22.30</b>	21.38	21.24	21.40

LTE Band 4 Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 20025	Channel (Mid) 20175	Channel (High) 20325	Channel (Low) 20025	Channel (Mid) 20175	Channel (High) 20325
15	1	0	<b>23.40</b>	23.12	23.27	<b>22.36</b>	22.34	22.34
	1	74	23.10	23.15	23.30	22.15	22.35	22.31
	36	19	22.40	22.23	22.25	21.43	21.25	21.31
	75	0	22.37	22.20	22.31	21.40	21.28	21.29

LTE Band 4 Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 20050	Channel (Mid) 20175	Channel (High) 20300	Channel (Low) 20050	Channel (Mid) 20175	Channel (High) 20300
20	1	0	<b>23.40</b>	23.33	23.15	<b>22.49</b>	22.48	22.32
	1	99	23.24	23.05	23.26	22.22	22.00	22.40
	50	25	22.34	22.20	22.28	21.39	21.25	21.31
	100	0	22.45	22.27	22.40	21.45	21.32	21.49

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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

### LTE Band 5

LTE Band 5 Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
1.4	1	0	22.99	22.91	22.65	21.97	21.85	21.60
	1	5	22.90	22.81	22.63	21.85	21.47	21.52
	3	2	21.87	21.74	21.66	20.99	20.52	20.82
	6	0	21.98	21.84	22.00	20.21	20.93	20.90

LTE Band 5 Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
3	1	0	22.82	22.70	22.75	21.94	21.92	21.99
	1	14	22.70	22.63	<b>22.86</b>	21.94	21.98	21.92
	8	4	21.80	21.65	21.92	20.72	20.62	20.91
	15	0	21.75	21.61	21.99	20.82	20.71	20.76

LTE Band 5 Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
5	1	0	22.98	22.94	22.96	21.98	21.91	21.80
	1	24	22.95	22.74	22.89	21.54	21.86	21.84
	12	6	21.97	21.83	21.91	20.95	20.87	20.97
	25	0	21.99	21.87	21.94	20.82	20.90	20.97

LTE Band 5 Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
10	1	0	22.96	<b>22.99</b>	22.88	21.90	21.65	21.76
	1	49	22.98	22.94	22.87	21.74	<b>21.92</b>	21.84
	25	12	21.93	21.91	21.98	20.89	20.78	20.85
	50	0	21.82	21.84	21.79	20.89	20.77	20.98

### LTE Band 7

LTE Band 7 Uplink frequency band : 2500 to 2570								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
5	1	0	23.26	23.44	23.22	22.40	22.41	21.93
	1	5	<b>23.46</b>	23.40	23.31	22.12	<b>22.49</b>	21.95
	3	2	22.35	22.45	22.50	20.65	21.02	20.82
	6	0	22.40	22.41	22.32	20.72	20.96	20.90

LTE Band 7 Uplink frequency band : 2500 to 2570								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
10	1	0	23.27	<b>23.49</b>	23.34	22.20	<b>22.42</b>	21.74
	1	14	23.45	23.41	23.34	22.09	22.23	22.17
	8	4	22.42	22.49	22.50	20.92	20.98	20.98
	15	0	22.39	22.33	22.47	20.83	20.97	20.94

LTE Band 7 Uplink frequency band : 2500 to 2570								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
15	1	0	23.41	<b>23.49</b>	23.32	22.25	22.45	22.40
	1	24	23.45	23.44	23.43	<b>22.46</b>	22.33	22.35
	12	6	22.45	22.46	22.41	21.33	21.41	21.32
	25	0	22.36	22.47	22.41	21.47	21.41	21.33

LTE Band 7 Uplink frequency band : 2500 to 2570 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
20	1	0	23.44	23.33	<b>23.47</b>	22.41	22.32	22.44
	1	49	23.40	23.40	23.11	<b>22.49</b>	22.35	22.41
	25	12	22.12	22.29	22.19	21.27	21.39	21.23
	50	0	22.25	22.46	22.32	21.29	21.41	21.38

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

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。  
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

### LTE Band 12

LTE Band 12_Uplink frequency band : 699 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			23017	23095	23173	23017	23095	23173
1.4	1	0	<b>22.95</b>	22.73	22.78	21.98	21.57	<b>22.00</b>
	1	5	22.81	22.72	22.90	21.79	21.95	21.88
	3	2	21.91	21.91	21.94	20.89	20.92	20.98
	6	0	21.86	21.77	21.85	20.61	20.59	20.85

LTE Band 12_Uplink frequency band : 699 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			23025	23095	23165	23025	23095	23165
3	1	0	<b>22.94</b>	22.80	22.90	<b>22.00</b>	21.80	21.16
	1	14	22.84	22.78	22.79	21.93	21.65	21.55
	8	4	21.89	21.79	21.82	20.49	20.55	20.65
	15	0	21.94	21.96	21.86	20.52	20.53	20.62

LTE Band 12_Uplink frequency band : 699 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			23035	23095	23155	23035	23095	23155
5	1	0	22.88	22.83	22.81	21.88	21.91	<b>21.95</b>
	1	24	22.94	22.81	<b>22.95</b>	21.63	21.56	21.85
	12	6	21.93	21.82	21.75	20.94	20.87	20.91
	25	0	21.91	21.83	21.91	20.94	20.83	20.86

LTE Band 12_Uplink frequency band : 699 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			23060	23095	23130	23060	23095	23130
10	1	0	22.69	22.77	22.64	21.83	21.90	21.73
	1	49	<b>22.96</b>	22.73	22.89	<b>21.98</b>	<b>21.98</b>	21.90
	25	12	21.91	21.74	21.68	20.84	20.80	20.86
	50	0	21.80	21.78	21.71	20.81	20.85	20.99

### LTE Band 13

LTE Band 13_Uplink frequency band : 777 to 787 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16 QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			23205	23230	23255	23205	23230	23255
5	1	0	23.29	23.33	<b>23.48</b>	22.22	<b>22.41</b>	22.11
	1	24	23.31	23.45	23.41	21.89	21.99	22.28
	12	6	22.40	22.42	22.43	21.45	21.44	21.42
	25	0	22.39	22.46	22.50	21.38	21.33	21.47

TE Band 13_Uplink frequency band : 777 to 787 MHz				
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)	
			Channel (Mid)	Channel (Mid)
			23230	23230
10	1	0	<b>23.41</b>	22.40
	1	49	23.20	<b>22.46</b>
	25	12	22.29	21.35
	50	0	22.40	21.46

### LTE Band 17

LTE Band 17_Uplink frequency band : 704 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16 QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			23205	23230	23255	23205	23230	23255
5	1	0	<b>22.98</b>	22.77	22.88	21.61	21.78	21.91
	1	24	22.93	22.89	22.63	<b>21.92</b>	<b>21.92</b>	21.56
	12	6	21.93	21.81	21.91	20.56	20.59	20.48
	25	0	21.96	21.98	21.94	20.52	20.51	20.51

LTE Band 17_Uplink frequency band : 704 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16 QAM		
			Channel (Low)	Channel (Low)	Channel (Low)	Channel (Low)	Channel (Low)	Channel (Low)
			23780	23790	23800	23780	23790	23800
10	1	0	22.91	22.91	22.80	21.75	21.97	21.85
	1	49	22.84	22.94	<b>22.96</b>	21.77	<b>21.99</b>	<b>21.86</b>
	25	12	21.99	21.93	21.96	20.91	20.92	20.91
	50	0	21.94	21.97	21.91	20.86	20.81	20.95

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

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

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

**LTE Band 26**

LTE Band 26_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 26797	Channel (Mid) 26915	Channel (High) 27033	Channel (Low) 26797	Channel (Mid) 26915	Channel (High) 27033
1.4	1	0	22.72	22.83	<b>22.94</b>	21.87	21.95	<b>21.98</b>
	1	5	22.84	22.86	22.69	21.37	21.83	21.93
	3	2	21.70	21.73	21.88	20.46	20.69	20.80
	6	0	21.77	21.86	21.91	20.76	20.71	20.68

LTE Band 26_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 26805	Channel (Mid) 26915	Channel (High) 27025	Channel (Low) 26805	Channel (Mid) 26915	Channel (High) 27025
3	1	0	22.76	22.84	<b>22.97</b>	21.76	21.87	<b>21.99</b>
	1	14	22.95	22.95	22.83	21.10	21.62	21.68
	8	4	21.79	21.84	21.98	20.43	20.39	20.61
	15	0	21.82	21.84	21.93	20.45	20.25	20.62

LTE Band 26_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 26815	Channel (Mid) 26915	Channel (High) 27015	Channel (Low) 26815	Channel (Mid) 26915	Channel (High) 27015
5	1	0	22.77	22.94	<b>22.99</b>	21.35	21.63	<b>21.94</b>
	1	24	22.97	22.92	22.80	21.70	21.41	21.93
	12	6	21.91	21.85	21.94	20.93	20.88	20.90
	25	0	21.95	21.87	21.92	20.82	20.75	20.88

LTE Band 26_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 26840	Channel (Mid) 26915	Channel (High) 26990	Channel (Low) 26840	Channel (Mid) 26915	Channel (High) 26990
10	1	0	<b>22.91</b>	22.71	22.52	<b>21.94</b>	21.91	21.64
	1	49	22.68	22.68	22.89	21.17	21.60	21.66
	25	12	21.72	21.61	21.74	20.44	20.46	20.49
	50	0	21.77	21.69	21.74	20.52	20.42	20.62

LTE Band 26_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 26865	Channel (Mid) 26915	Channel (High) 26965	Channel (Low) 26865	Channel (Mid) 26915	Channel (High) 26965
15	1	0	22.81	22.89	22.85	<b>21.92</b>	21.34	21.20
	1	74	22.82	22.85	<b>22.97</b>	21.31	21.51	21.42
	36	19	21.98	21.92	21.94	20.27	20.11	20.09
	75	0	21.94	22.00	21.96	20.25	20.26	20.16

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

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

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

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

### LTE Band 26 for Part90S

LTE Band 26_Uplink frequency band : 814 to 824 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			26697	26740	26783	26697	26740	26783
1.4	1	0	22.75	22.72	22.69	21.91	21.68	21.34
	1	5	22.91	22.60	22.72	21.48	<b>21.95</b>	21.40
	3	2	<b>22.95</b>	22.92	22.92	21.84	21.84	21.80
	6	0	21.89	21.80	21.83	20.73	20.66	20.27

LTE Band 26_Uplink frequency band : 814 to 824 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			26705	26740	26775	26705	26740	26775
3	1	0	22.74	<b>22.90</b>	22.49	21.74	21.35	21.80
	1	14	22.86	22.72	22.54	<b>21.86</b>	21.56	20.98
	8	4	21.90	21.83	21.87	21.19	20.94	20.63
	15	0	21.91	21.87	21.75	20.80	20.89	20.95

LTE Band 26_Uplink frequency band : 814 to 824 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			26715	26740	26765	26715	26740	26765
5	1	0	22.39	22.40	22.42	<b>21.76</b>	21.40	21.64
	1	24	22.38	<b>22.67</b>	22.50	21.17	21.50	21.41
	12	6	21.84	21.81	21.81	21.04	20.96	21.03
	25	0	21.72	21.79	21.71	21.00	20.83	20.74

LTE Band 26_Uplink frequency band : 814 to 824 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
				Channel (Mid)			Channel (Mid)	
				20525			20525	
10	1	0		22.58			21.50	
	1	49		<b>22.92</b>			<b>21.53</b>	
	25	12		21.81			20.89	
	50	0		21.77			20.91	

### LTE Band 30

LTE Band 30_Uplink frequency band : 2305 to 2315 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16 QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			23205	23230	23255	23205	23230	23255
5	1	0	23.41	23.39	<b>23.43</b>	22.45	22.48	22.35
	1	24	23.41	23.40	23.42	<b>22.48</b>	22.48	22.26
	12	6	22.45	22.40	22.32	21.27	21.19	21.26
	25	0	22.25	22.41	22.33	21.34	21.22	21.25

LTE Band 30_Uplink frequency band : 2305 to 2315 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
				Channel (Mid)			Channel (Mid)	
				27710			27710	
10	1	0		<b>23.35</b>			22.24	
	1	49		23.23			<b>22.44</b>	
	25	12		22.41			21.49	
	50	0		22.42			21.44	

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

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

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

### LTE Band 38

LTE Band 38_Uplink frequency band : 2570 to 2620 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			37775	38000	38225	37775	38000	38225
5	1	0	22.88	22.94	<b>22.96</b>	21.78	21.87	<b>21.94</b>
	1	24	22.89	22.94	22.94	21.76	21.86	21.92
	12	6	21.76	21.83	21.85	20.72	20.84	20.86
	25	0	21.76	21.86	21.88	20.86	20.96	20.99

LTE Band 38_Uplink frequency band : 2570 to 2620 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			37800	38000	38200	37800	38000	38200
10	1	0	<b>22.93</b>	22.68	22.67	21.83	21.93	<b>21.98</b>
	1	49	22.55	22.68	22.66	21.85	21.97	21.96
	25	12	21.79	21.95	21.95	20.58	20.66	20.69
	50	0	21.80	21.88	21.90	20.83	20.94	20.96

LTE Band 38_Uplink frequency band : 2570 to 2620 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			37825	38000	38175	37825	38000	38175
15	1	0	22.84	22.97	<b>22.98</b>	21.81	21.85	21.91
	1	74	22.90	22.91	22.92	21.81	21.91	<b>21.92</b>
	36	19	21.82	21.89	21.92	20.55	20.61	20.62
	75	0	21.82	21.84	21.85	20.83	20.91	20.92

LTE Band 38_Uplink frequency band : 2570 to 2620 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			37850	38000	38150	37850	38000	38150
20	1	0	22.85	22.93	22.94	21.75	21.80	21.90
	1	99	22.88	<b>22.98</b>	22.97	21.79	21.94	<b>21.97</b>
	50	25	21.71	21.81	21.81	20.75	20.87	20.91
	100	0	21.77	21.80	21.82	20.75	20.84	20.89

### LTE Band 41

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			39675	40620	41565	39675	40620	41565
5	1	0	22.91	22.89	22.95	21.87	21.79	21.78
	1	24	22.52	22.89	<b>22.99</b>	21.49	21.81	<b>21.92</b>
	12	6	21.43	21.79	21.86	20.45	20.77	20.90
	25	0	21.50	21.78	21.88	20.58	20.90	20.90

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			39700	40620	41540	39700	40620	41540
10	1	0	22.55	22.84	22.92	<b>21.91</b>	21.70	21.77
	1	49	22.64	<b>22.98</b>	22.83	21.58	21.87	21.88
	25	12	21.50	21.78	21.91	20.61	20.91	20.85
	50	0	21.50	21.72	21.87	20.49	20.82	20.93

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			39725	40620	41515	39725	40620	41515
15	1	0	22.93	22.79	22.83	<b>21.88</b>	21.68	21.70
	1	74	22.67	22.95	<b>22.97</b>	21.62	21.85	21.79
	36	19	21.58	21.78	21.88	20.67	20.89	20.98
	75	0	21.61	21.71	21.83	20.62	20.76	20.87

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			39750	40620	41490	39750	40620	41490
20	1	0	<b>23.00</b>	22.78	22.83	<b>21.84</b>	21.53	21.57
	1	99	22.76	<b>23.00</b>	22.85	21.58	21.79	21.60
	50	25	21.45	21.66	21.71	20.47	20.67	20.76
	100	0	21.52	21.65	21.77	20.60	20.65	20.78

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

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

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

**LTE Band 66**

LTE Band 66 Uplink frequency band : 1709 to 1780 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			131979	132322	132665	131979	132322	132665
1.4	1	0	23.16	<b>23.43</b>	23.22	22.21	22.28	22.22
	1	5	23.15	23.13	23.36	22.22	<b>22.33</b>	21.96
	3	2	22.24	22.21	21.97	21.09	21.35	21.33
	6	0	22.16	22.26	22.18	21.12	21.12	21.35

LTE Band 66 Uplink frequency band : 1709 to 1780 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			131987	132322	132657	131987	132322	132657
3	1	0	23.12	23.19	23.06	<b>22.45</b>	22.24	22.02
	1	14	22.99	<b>23.37</b>	23.24	22.42	<b>22.45</b>	22.00
	8	4	22.16	22.09	21.97	21.37	21.11	21.33
	15	0	22.36	22.42	22.18	21.16	21.08	21.31

LTE Band 66 Uplink frequency band : 1709 to 1780 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			131997	132322	132647	131997	132322	132647
5	1	0	23.28	23.27	23.18	22.29	22.20	22.14
	1	24	23.19	<b>23.41</b>	23.36	22.10	<b>22.33</b>	22.32
	12	6	21.96	22.29	22.13	21.01	21.19	21.41
	25	0	22.40	22.38	22.22	21.16	21.04	21.39

LTE Band 66 Uplink frequency band : 1709 to 1780 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			132022	132322	132622	132022	132322	132622
10	1	0	23.34	23.41	23.33	22.45	22.48	22.38
	1	49	23.19	<b>23.49</b>	23.36	22.42	<b>22.49</b>	22.32
	25	12	22.28	22.37	22.25	21.37	21.47	21.41
	50	0	22.40	<b>22.50</b>	<b>22.50</b>	21.32	21.40	21.47

LTE Band 66 Uplink frequency band : 1709 to 1780 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			132047	132322	132597	132047	132322	132597
15	1	0	<b>23.41</b>	23.27	23.33	22.45	<b>22.48</b>	22.38
	1	74	23.20	<b>23.41</b>	23.32	22.47	22.45	22.34
	36	19	22.28	22.37	22.25	21.34	21.47	21.21
	75	0	22.40	22.50	22.50	21.32	21.43	21.28

LTE Band 66 Uplink frequency band : 1709 to 1780 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			132072	132322	132572	132072	132322	132572
20	1	0	23.44	23.47	23.38	22.45	22.48	22.38
	1	99	23.19	<b>23.49</b>	23.36	22.42	<b>22.49</b>	22.32
	50	25	22.28	22.37	22.25	21.37	21.47	21.41
	100	0	22.40	22.50	22.50	21.32	21.40	21.47

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

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

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

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

### 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:  $\beta$  values for transmitter characteristics tests with HS-DPCCH(FOR HSDPA)

Sub-test	$\beta_c$	$\beta_d$	$\beta_d$ (SF)	$\beta_c/\beta_d$	$\beta_{HS}$ (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.**

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 Limitation (dBm)	Comments
		9262	9400	9538		
HSDPA II	1	<b>22.89</b>	23.97	23.7	20.3dBm – 25.7dBm	Pass
	2	22.45	22.93	22.71	20.3dBm – 25.7dBm	Pass
	3	22.08	22.41	22.18	19.8dBm – 25.7dBm	Pass
	4	22.88	22.2	21.94	19.8dBm – 25.7dBm	Pass

Mode	Sub test	Avg. Power (dBm) Channel			Power Class 3 Limitation (dBm)	Comments
		1312	1413	1513		
HSDPA IV	1	23.72	<b>22.78</b>	22.42	20.3dBm – 25.7dBm	Pass
	2	23.73	22.92	21.99	20.3dBm – 25.7dBm	Pass
	3	23.9	22.24	22.02	19.8dBm – 25.7dBm	Pass
	4	22.77	22.26	22.17	19.8dBm – 25.7dBm	Pass

Mode	Sub test	Avg. Power (dBm) Channel			Power Class 3 Limitation (dBm)	Comments
		4132	4183	4233		
HSDPA V	1	23.94	23.25	<b>22.55</b>	20.3dBm – 25.7dBm	Pass
	2	23.72	23.1	22.27	20.3dBm – 25.7dBm	Pass
	3	23.96	22.45	22.58	19.8dBm – 25.7dBm	Pass
	4	22.99	22.82	22.35	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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

## 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:  $\beta$  values for transmitter characteristics tests with HS-DPCCH and E-DCH(FOR HSUPA)

Sub-test	$\beta_c$	$\beta_d$	$\beta_d$ (SF)	$\beta_c/\beta_d$	$\beta_{HS}$	$\beta_{ec}$	$\beta_{ed}$	$\beta_{ed}$ (SF)	$\beta_{ed}$ (Code s)	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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

**Results:**

Mode	Sub test	Avg. Power (dBm) Channel			Power Class 3 Limitation (dBm)	Comments
		9262	9400	9538		
HSUPA II	1	20.6	<b>22.81</b>	22.56	18.8dBm – 25.7dBm	Pass
	2	21.28	20.6	20.42	16.8dBm – 25.7dBm	Pass
	3	20.79	21.37	21.17	17.8dBm – 25.7dBm	Pass
	4	22.79	20.91	20.62	16.8dBm – 25.7dBm	Pass
	5	23	22.9	22.6	18.8dBm – 25.7dBm	Pass

Mode	Sub test	Avg. Power (dBm) Channel			Power Class 3 Limitation (dBm)	Comments
		1312	1413	1513		
HSDPA IV	1	22.77	22.74	<b>22.82</b>	20.3dBm – 25.7dBm	Pass
	2	20.58	20.48	20.68	20.3dBm – 25.7dBm	Pass
	3	21.25	21.13	21.4	19.8dBm – 25.7dBm	Pass
	4	20.74	20.73	20.96	19.8dBm – 25.7dBm	Pass
	5	22.8	22.4	22.9	19.8dBm – 25.7dBm	Pass

Mode	Sub test	Avg. Power (dBm) Channel			Power Class 3 Limitation (dBm)	Comments
		4132	4183	4233		
HSUPA V	1	23	<b>23.21</b>	22.93	18.8dBm – 25.7dBm	Pass
	2	20.79	21.06	20.79	16.8dBm – 25.7dBm	Pass
	3	21.56	21.77	21.52	17.8dBm – 25.7dBm	Pass
	4	21.02	21.28	21.09	16.8dBm – 25.7dBm	Pass
	5	23	23.3	23	18.8dBm – 25.7dBm	Pass

**WCDMA/HSDPA/HSUPA band II, IV, V**

The EUT output power was controlled by simulator. Set Communication Tester MT8820C 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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. EFFECTIVE RADIATED POWER AND EQUIVALENT ISOTROPIC RADIATED POWER MEASUREMENT

### 7.1. Standard Applicable

According to FCC §2.1046

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

FCC 24.232(b) Mobile and portable stations are limited to 2 W EIRP.

FCC 27.50(c)(10) Portable stations (hand-held devices) are limited to 3 watts ERP.

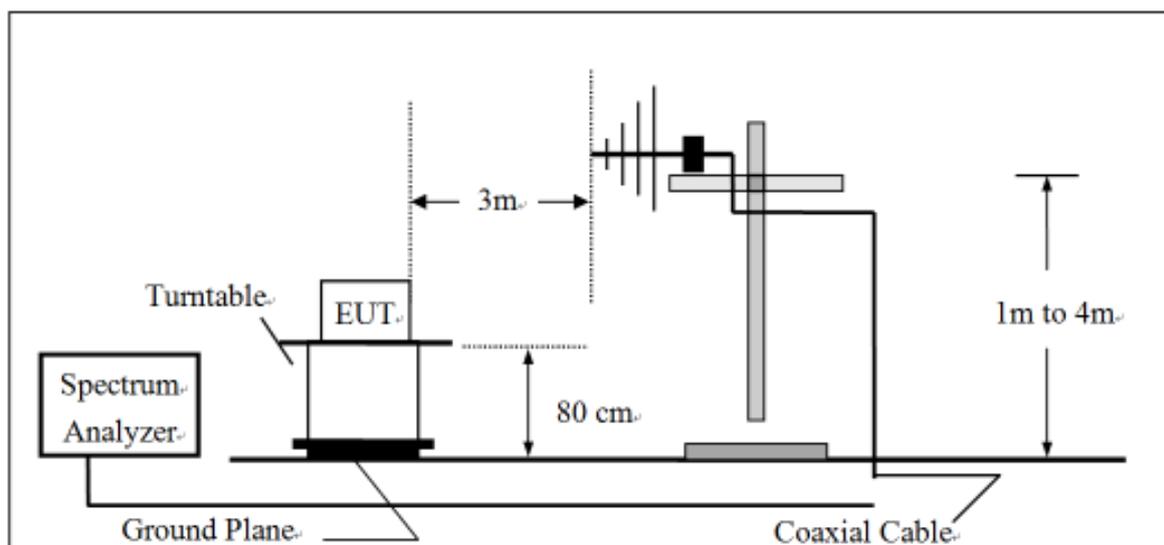
FCC 27.50(d)(4) Fixed, mobile, and portable (hand-held) stations are limited to 1W EIRP.

FCC 27, 50(h)(2) Mobile and other user stations. Mobile stations are limited to 2 W EIRP

FCC 90.635(b) Mobile station is limited to 100W ERP

### 7.2. Test SET-UP

(A) Radiated Power 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

台灣檢驗科技股份有限公司

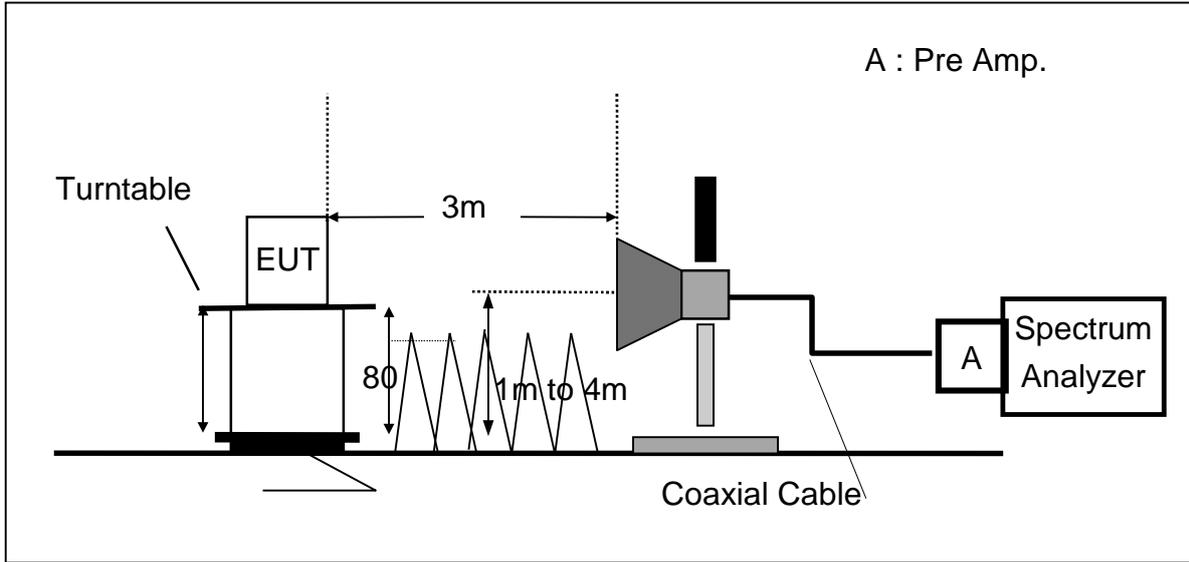
t (886-2) 2299-3279

f (886-2) 2298-0488

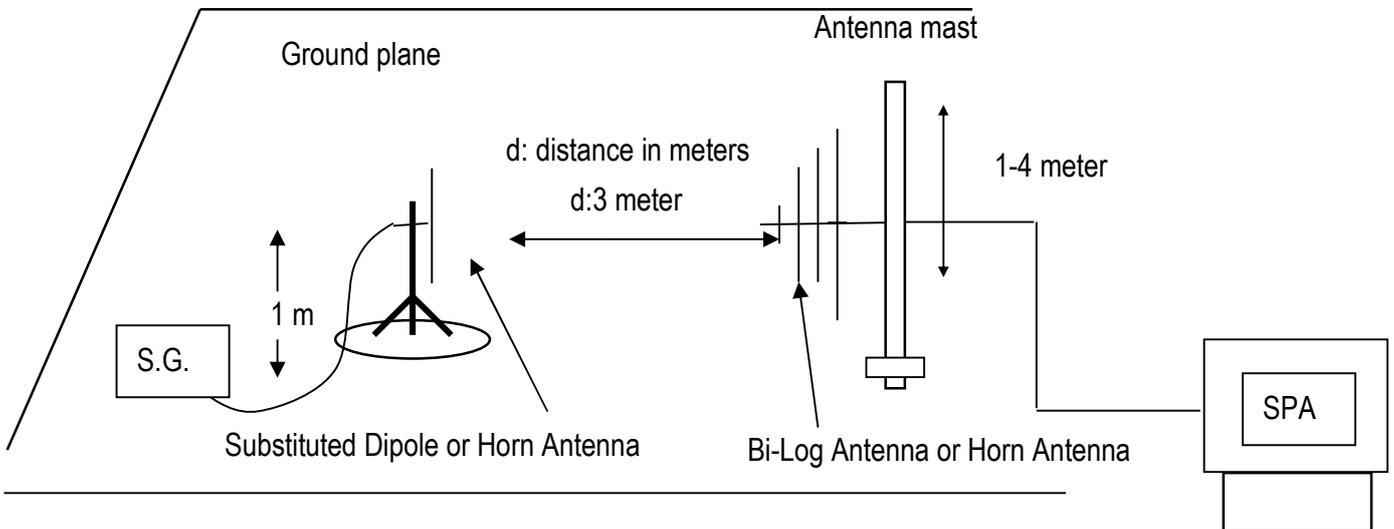
www.tw.sgs.com

Member of SGS Group

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

### 7.3. Measurement Procedure

1. The testing follows the Measurement Procedure of FCC KDB 971168 D01
2. 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.
3. During the measurement, the EUT was communication with the station. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calculated
4. The testing follows the Measurement Procedure of FCC KDB 971168 D01
5. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a tx cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step b. Record the power level of S.G.
6.  $ERP = S.G. \text{ output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable Loss (dB)}$
7.  $ERP = S.G. \text{ output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable Loss (dB)}$
8. Spectrum setting:
  - (1) Detector = Peak, marker the highest value of the detector by maximum hold, set RBW wide enough to capture the entire signal of emission, and  $VBW \geq 3 \times RBW$ .
  - (2) KDB 971168 D01 is adopted, and the procedure as lists under item 4, Measurement of the Average Power over the Fundamental Signal Bandwidth, is followed to set correspondingly for the acquisition of proper measurement data.

Set frequency = nominal signal center frequency;  
 Set span = 2 X occupied BW;  
 Set RBW  $\approx$  1~5% of the span, not to exceed 1 MHz  
 Set VBW = 3 x RBW;  
 Select average power (RMS) detector  
 Set sweep time and number of measurement points to achieve a minimum of 1 millisecond/pt integration time (ex. Point = 601points, then sweep time =  $601 \times 10^{-3} = 6s$ ).

Activate trace averaging routine over a minimum of 10 sweeps;

Activate marker/span pair and set span = signal or channel bandwidth;

Activate the band/interval power marker function;

Record the band power level;

Record adjusted value as the average signal power level. Then activate the occupied bandwidth measurement function.

The proper adjustment due to limitation of spectrum capability is given compensated to spectrum with conversion factor of  $10 \times \log(TBW/RBW)$ , where TBW is the transmission of UE exceeding the maximum BW UE can extends, and RBW is the resolution BW in UE.

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

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

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

#### 7.4. Measurement Equipment Used

ERP, EIRP MEASUREMENT EQUIPMENT List 966 Chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EMI Test Receiver	R&S	ESU 40	100363	04/18/2017	04/17/2018
Broadband Antenna	TESEQ	CBL 6112D	35240	11/03/2017	11/02/2018
Broadband Antenna	TESEQ	CBL 6112D	35243	11/09/2017	11/08/2018
Horn Antenna	ETS-Lindgren	3117	00143272	12/15/2016	12/16/2017
Horn Antenna	ETS-Lindgren	3117	143279	11/14/2016	11/13/2017
Horn Antenna	Schwarzbeck	BBHA9170	184	12/11/2016	12/10/2017
Horn Antenna	Schwarzbeck	BBHA9170	185	08/01/2017	07/31/2018
Pre Amplifier	EMC Instruments	EMC330	980096	12/12/2016	12/11/2017
Pre Amplifier	EMC Instruments	EMC0011830	980199	12/12/2016	12/11/2017
Pre Amplifier	R&S	SCU-18	10204	12/12/2016	12/11/2017
Pre Amplifier	R&S	SCU-26	100780	12/12/2016	12/11/2017
Pre Amplifier	EMC Instruments	EMC184045B	980135	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	RG 214/U	966Rx 9K-30M	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	RG 214/U SUCOFLEX 104	966Rx 30M-3G	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	SUCOFLEX 104	966Rx 1G-18G	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	mini 141-12 SUCOFLEX 104	966Rx 18G-40G	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	SUCOFLEX 104	966Tx 30M-18G	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	966Tx 18G-40G	12/12/2016	12/11/2017
Attenuator	WOKEN	218FS-10	RF27	12/12/2016	12/11/2017
Communication Tester	Anritsu	MT8820C	6201107337	06/11/2017	06/10/2018
Site NSA	SGS	966 Chamber C	SAC-C	03/02/2017	03/01/2018
Site VSWR	SGS	966 Chamber C	SAC-C	03/02/2017	03/01/2018
DC Power Supply	HOLA	DP-3003	D7070035	05/04/2017	05/03/2018
Controller	MF	MF-7802	N/A	N.C.R.	N.C.R.
Antenna Master	MF	N/A	N/A	N.C.R.	N.C.R.
Turn Table	MF	N/A	N/A	N.C.R.	N.C.R.
Test Software	World-Pallas	Dr. E	V 3.0 Lite	N.C.R.	N.C.R.

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

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

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

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

### 7.5. Measurement Result: (Peak) –using option of peak measurement

EUT			Measurement					
Operation Band	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	1852.4	9262	V	20.35	9.58	-6.86	23.07	33.01
			H	21.87	9.58	-6.86	24.59	33.01
	1880.0	9400	V	20.97	9.69	-6.91	23.75	33.01
			H	22.06	9.69	-6.91	<b>24.84</b>	33.01
	1907.6	9538	V	21.63	9.81	-6.96	24.48	33.01
			H	21.46	9.81	-6.96	24.31	33.01
HSDPA Band II	1852.4	9262	V	14.95	9.58	-6.59	17.94	33.01
			H	16.04	9.58	-6.59	<b>19.03</b>	33.01
	1880.0	9400	V	13.94	9.70	-6.91	16.73	33.01
			H	16.03	9.70	-6.91	18.82	33.01
	1907.6	9538	V	12.48	9.81	-6.96	15.33	33.01
			H	15.82	9.81	-6.96	18.67	33.01
HSUPA Band II	1852.4	9262	V	17.20	9.58	-6.86	19.92	33.01
			H	19.86	9.58	-6.86	22.58	33.01
	1880.0	9400	V	17.76	9.70	-6.91	20.55	33.01
			H	20.32	9.70	-6.91	<b>23.11</b>	33.01
	1907.6	9538	V	19.13	9.81	-6.96	21.98	33.01
			H	20.01	9.81	-6.96	22.86	33.01

**Remark: The RBW,VBW of SPA for frequency RBW=5 MHz, VBW=8 MHz**

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

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

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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
WCDMA Band IV	1712.4	1312	V	19.02	8.99	-6.58	21.43	30.00
			H	21.78	8.99	-6.58	<b>24.19</b>	30.00
	1732.6	1413	V	18.82	9.08	-6.63	21.27	30.00
			H	20.57	9.08	-6.63	23.02	30.00
	1752.6	1513	V	19.44	9.16	-6.66	21.94	30.00
			H	21.49	9.16	-6.66	23.99	30.00
HSDPA Band IV	1712.4	1312	V	13.31	8.99	-6.59	15.71	30.00
			H	21.41	8.99	-6.59	<b>23.81</b>	30.00
	1732.6	1413	V	12.12	9.08	-6.62	14.58	30.00
			H	19.98	9.08	-6.62	22.44	30.00
	1752.6	1513	V	13.25	9.16	-6.67	15.74	30.00
			H	20.20	9.16	-6.67	22.69	30.00
HSUPA Band IV	1712.4	1312	V	9.79	8.99	-6.58	12.20	30.00
			H	18.33	8.99	-6.58	<b>20.74</b>	30.00
	1732.6	1413	V	7.09	9.07	-6.62	9.54	30.00
			H	17.26	9.07	-6.62	19.71	30.00
	1752.6	1513	V	11.60	9.16	-6.66	14.10	30.00
			H	17.45	9.16	-6.66	19.95	30.00

**Remark: The RBW,VBW of SPA for frequency RBW=5 MHz, VBW=8 MHz**

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

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

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

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

EUT			Measurement					
Operation Band	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	826.4	4132	V	10.23	5.13	-4.18	11.18	38.45
			H	19.65	5.13	-4.18	20.60	38.45
	836.6	4183	V	9.83	5.1	-4.23	10.70	38.45
			H	20.18	5.1	-4.23	<b>21.05</b>	38.45
	846.6	4233	V	10.31	5.06	-4.26	11.11	38.45
			H	19.62	5.06	-4.26	20.42	38.45
HSDPA Band V	826.4	4132	V	7.45	5.13	-4.18	8.40	38.45
			H	18.04	5.13	-4.18	18.99	38.45
	836.6	4183	V	9.28	5.1	-4.23	10.15	38.45
			H	18.69	5.1	-4.23	19.56	38.45
	846.6	4233	V	10.36	5.06	-4.26	11.16	38.45
			H	19.68	5.06	-4.26	<b>20.48</b>	38.45
HSUPA Band V	826.4	4132	V	9.54	5.14	-4.18	10.50	38.45
			H	17.97	5.14	-4.18	18.93	38.45
	836.6	4183	V	11.04	5.1	-4.23	11.91	38.45
			H	18.7	5.1	-4.23	19.57	38.45
	846.6	4233	V	11.36	5.06	-4.26	12.16	38.45
			H	19.22	5.06	-4.26	<b>20.02</b>	38.45

**Remark: The RBW,VBW of SPA for frequency RBW=5 MHz, VBW=8 MHz**

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

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

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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 2 BW: 1.4M QPSK RB: 1,0	1850.7	18607	V	12.85	9.57	-6.86	15.56	33.01
			H	13.61	9.57	-6.86	16.33	33.01
	1880.0	18900	V	13.18	9.69	-6.91	15.96	33.01
			H	13.70	9.70	-6.91	16.49	33.01
	1909.3	19193	V	11.10	9.82	-6.97	13.95	33.01
			H	11.70	9.82	-6.97	14.55	33.01
LTE BAND 2 BW: 1.4M QPSK RB: 1,5	1850.7	18607	V	12.99	9.57	-6.86	15.70	33.01
			H	16.20	9.57	-6.85	<b>18.92</b>	33.01
	1880.0	18900	V	13.95	9.70	-6.91	16.74	33.01
			H	13.98	9.69	-6.91	16.77	33.01
	1909.3	19193	V	11.01	9.82	-6.97	13.87	33.01
			H	12.17	9.82	-6.97	15.03	33.01
LTE BAND 2 BW: 1.4M 16QAM RB: 1,0	1850.7	18607	V	13.28	9.57	-6.86	16.00	33.01
			H	14.07	9.58	-6.86	16.79	33.01
	1880.0	18900	V	13.79	9.70	-6.91	16.57	33.01
			H	14.23	9.69	-6.91	17.02	33.01
	1909.3	19193	V	11.86	9.82	-6.97	14.71	33.01
			H	12.64	9.82	-6.97	15.49	33.01
LTE BAND 2 BW: 1.4M 16QAM RB: 1,5	1850.7	18607	V	13.59	9.58	-6.86	16.30	33.01
			H	14.04	9.58	-6.86	16.75	33.01
	1880.0	18900	V	14.91	9.70	-6.91	<b>17.70</b>	33.01
			H	14.05	9.70	-6.91	16.83	33.01
	1909.3	19193	V	11.61	9.82	-6.97	14.46	33.01
			H	12.27	9.82	-6.97	15.12	33.01

**Remark :** ( 1 )The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 2 BW: 3M QPSK RB: 1,0	1851.5	18615	V	22.08	9.57	-6.86	24.80	33.01
			H	22.04	9.57	-6.86	24.76	33.01
	1880.0	18900	V	22.87	9.69	-6.91	25.65	33.01
			H	23.14	9.69	-6.91	<b>25.92</b>	33.01
	1908.5	19185	V	21.68	9.81	-6.96	24.52	33.01
			H	22.29	9.81	-6.96	25.14	33.01
LTE BAND 2 BW: 3M QPSK RB: 1,14	1851.5	18615	V	21.71	9.58	-6.86	24.43	33.01
			H	22.48	9.58	-6.86	25.20	33.01
	1880.0	18900	V	21.71	9.70	-6.91	24.50	33.01
			H	22.97	9.70	-6.92	25.76	33.01
	1908.5	19185	V	20.50	9.82	-6.97	23.35	33.01
			H	20.91	9.82	-6.97	23.77	33.01
LTE BAND 2 BW: 3M 16QAM RB: 1,0	1851.5	18615	V	21.52	9.57	-6.86	24.24	33.01
			H	22.15	9.57	-6.86	24.86	33.01
	1880.0	18900	V	21.89	9.69	-6.91	24.67	33.01
			H	22.33	9.69	-6.91	25.12	33.01
	1908.5	19185	V	21.71	9.81	-6.96	24.56	33.01
			H	22.56	9.81	-6.96	<b>25.41</b>	33.01
LTE BAND 2 BW: 3M 16QAM RB: 1,14	1851.5	18615	V	21.82	9.58	-6.86	24.54	33.01
			H	22.65	9.58	-6.86	25.38	33.01
	1880.0	18900	V	21.27	9.70	-6.91	24.05	33.01
			H	21.89	9.70	-6.91	24.67	33.01
	1908.5	19185	V	20.92	9.82	-6.97	23.77	33.01
			H	21.50	9.82	-6.97	24.36	33.01
<b>Remark</b>								
: ( 1 )The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 2 BW: 5M QPSK RB: 1,0	1852.5	18625	V	21.33	9.57	-6.86	24.04	33.01
			H	22.06	9.57	-6.86	24.78	33.01
	1880.0	18900	V	22.79	9.69	-6.91	25.57	33.01
			H	23.25	9.69	-6.91	26.03	33.01
	1907.5	19175	V	22.57	9.80	-6.96	25.42	33.01
			H	23.20	9.80	-6.96	<b>26.04</b>	33.01
LTE BAND 2 BW: 5M QPSK RB: 1,24	1852.5	18625	V	22.02	9.59	-6.87	24.74	33.01
			H	22.82	9.59	-6.86	25.54	33.01
	1880.0	18900	V	21.50	9.71	-6.92	24.29	33.01
			H	22.52	9.71	-6.92	25.31	33.01
	1907.5	19175	V	20.43	9.82	-6.97	23.28	33.01
			H	21.14	9.82	-6.97	23.99	33.01
LTE BAND 2 BW: 5M 16QAM RB: 1,0	1852.5	18625	V	21.23	9.57	-6.86	23.94	33.01
			H	22.16	9.56	-6.85	24.87	33.01
	1880.0	18900	V	21.96	9.69	-6.91	24.74	33.01
			H	22.46	9.69	-6.91	25.24	33.01
	1907.5	19175	V	22.48	9.80	-6.96	25.33	33.01
			H	23.34	9.80	-6.96	<b>26.19</b>	33.01
LTE BAND 2 BW: 5M 16QAM RB: 1,24	1852.5	18625	V	22.45	9.59	-6.87	25.18	33.01
			H	23.29	9.59	-6.86	26.01	33.01
	1880.0	18900	V	21.27	9.70	-6.92	24.06	33.01
			H	22.33	9.70	-6.92	25.12	33.01
	1907.5	19175	V	20.93	9.82	-6.97	23.79	33.01
			H	21.72	9.82	-6.97	24.57	33.01
<b>Remark</b>								
: ( 1 )The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 2 BW: 10M QPSK RB: 1,0	1855.0	18650	V	21.37	9.57	-6.86	24.09	33.01
			H	21.98	9.57	-6.86	24.69	33.01
	1880.0	18900	V	22.79	9.68	-6.90	25.56	33.01
			H	23.05	9.68	-6.90	25.83	33.01
1905.0	19150	V	22.39	9.78	-6.95	25.22	33.01	
		H	23.34	9.78	-6.95	26.18	33.01	
LTE BAND 2 BW: 10M QPSK RB: 1,49	1855.0	18650	V	22.69	9.61	-6.87	25.43	33.01
			H	23.47	9.61	-6.87	<b>26.21</b>	33.01
	1880.0	18900	V	21.41	9.72	-6.92	24.20	33.01
			H	22.53	9.72	-6.92	25.32	33.01
1905.0	19150	V	20.40	9.82	-6.97	23.26	33.01	
		H	21.00	9.82	-6.97	23.86	33.01	
LTE BAND 2 BW: 10M 16QAM RB: 1,0	1855.0	18650	V	21.37	9.57	-6.86	24.08	33.01
			H	22.13	9.57	-6.86	24.84	33.01
	1880.0	18900	V	22.01	9.68	-6.90	24.78	33.01
			H	22.45	9.68	-6.90	25.23	33.01
1905.0	19150	V	23.41	9.78	-6.95	26.24	33.01	
		H	24.22	9.78	-6.95	<b>27.06</b>	33.01	
LTE BAND 2 BW: 10M 16QAM RB: 1,49	1855.0	18650	V	23.18	9.61	-6.87	25.92	33.01
			H	24.02	9.61	-6.87	26.76	33.01
	1880.0	18900	V	20.93	9.72	-6.92	23.73	33.01
			H	22.18	9.72	-6.92	24.97	33.01
1905.0	19150	V	20.57	9.82	-6.97	23.43	33.01	
		H	21.40	9.82	-6.97	24.26	33.01	
<b>Remark</b>								
: ( 1 )The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 2 BW: 15M QPSK RB: 1,0	1857.5	18675	V	21.26	9.57	-6.86	23.98	33.01
			H	22.07	9.57	-6.86	24.79	33.01
	1880.0	18900	V	22.78	9.67	-6.90	25.55	33.01
			H	23.04	9.67	-6.90	25.80	33.01
1902.5	19125	V	22.68	9.76	-6.94	25.50	33.01	
		H	24.36	9.76	-6.94	<b>27.18</b>	33.01	
LTE BAND 2 BW: 15M QPSK RB: 1,74	1857.5	18675	V	22.75	9.63	-6.88	25.49	33.01
			H	23.37	9.63	-6.88	26.11	33.01
	1880.0	18900	V	21.27	9.72	-6.93	24.07	33.01
			H	22.52	9.73	-6.93	25.32	33.01
1902.5	19125	V	20.90	9.82	-6.97	23.75	33.01	
		H	21.23	9.82	-6.97	24.08	33.01	
LTE BAND 2 BW: 15M 16QAM RB: 1,0	1857.5	18675	V	21.43	9.58	-6.86	24.15	33.01
			H	22.11	9.57	-6.86	24.83	33.01
	1880.0	18900	V	22.06	9.67	-6.90	24.82	33.01
			H	22.47	9.67	-6.90	25.24	33.01
1902.5	19125	V	23.25	9.76	-6.94	26.08	33.01	
		H	24.89	9.76	-6.94	<b>27.71</b>	33.01	
LTE BAND 2 BW: 15M 16QAM RB: 1,74	1857.5	18675	V	23.60	9.63	-6.88	26.35	33.01
			H	24.27	9.63	-6.88	27.02	33.01
	1880.0	18900	V	20.55	9.73	-6.93	23.35	33.01
			H	22.16	9.72	-6.92	24.96	33.01
1902.5	19125	V	20.75	9.82	-6.97	23.60	33.01	
		H	21.72	9.82	-6.97	24.58	33.01	
<b>Remark</b>								
: ( 1 )The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 2 BW: 20M QPSK RB: 1,0	1860.0	18700	V	21.34	9.58	-6.86	24.06	33.01
			H	22.45	9.58	-6.86	25.17	33.01
	1880.0	18900	V	22.93	9.66	-6.90	25.70	33.01
			H	23.37	9.66	-6.90	26.14	33.01
	1900.0	19100	V	22.24	9.74	-6.93	25.06	33.01
			H	23.98	9.74	-6.93	<b>26.79</b>	33.01
LTE BAND 2 BW: 20M QPSK RB: 1,99	1860.0	18700	V	22.92	9.65	-6.89	25.68	33.01
			H	23.46	9.65	-6.89	26.22	33.01
	1880.0	18900	V	21.83	9.73	-6.93	24.63	33.01
			H	23.38	9.73	-6.93	26.18	33.01
	1900.0	19100	V	20.43	9.82	-6.97	23.28	33.01
			H	21.51	9.82	-6.97	24.36	33.01
LTE BAND 2 BW: 20M 16QAM RB: 1,0	1860.0	18700	V	21.30	9.58	-6.86	24.02	33.01
			H	22.34	9.57	-6.86	25.06	33.01
	1880.0	18900	V	22.96	9.66	-6.90	25.72	33.01
			H	23.46	9.66	-6.89	26.22	33.01
	1900.0	19100	V	22.58	9.74	-6.93	25.39	33.01
			H	24.12	9.74	-6.93	26.93	33.01
LTE BAND 2 BW: 15M 16QAM RB: 1,99	1860.0	18700	V	23.51	9.65	-6.89	26.27	33.01
			H	24.34	9.65	-6.89	<b>27.10</b>	33.01
	1880.0	18900	V	21.45	9.73	-6.93	24.25	33.01
			H	22.98	9.73	-6.93	25.78	33.01
	1900.0	19100	V	20.71	9.82	-6.97	23.56	33.01
			H	22.09	9.82	-6.97	24.94	33.01
<b>Remark</b>								
: ( 1 )The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

EUT			Measurement					
Operation Band	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 BW: 1.4M QPSK RB: 1,0	1710.7	19957	V	21.92	8.98	-6.58	24.32	30.00
			H	24.33	8.98	-6.58	<b>26.73</b>	30.00
	1732.5	20175	V	22.84	9.08	-6.63	25.29	30.00
			H	24.18	9.07	-6.62	26.63	30.00
	1754.3	20393	V	21.96	9.17	-6.67	24.46	30.00
			H	24.08	9.17	-6.67	26.58	30.00
LTE BAND 4 BW: 1.4M QPSK RB: 1,5	1710.7	19957	V	21.93	8.99	-6.58	24.34	30.00
			H	24.07	8.99	-6.58	26.47	30.00
	1732.5	20175	V	22.49	9.08	-6.63	24.95	30.00
			H	23.28	9.08	-6.63	25.73	30.00
	1754.3	20393	V	21.79	9.17	-6.67	24.29	30.00
			H	23.91	9.17	-6.67	26.41	30.00
LTE BAND 4 BW: 1.4M 16QAM RB: 1,0	1710.7	19957	V	22.81	8.98	-6.58	25.21	30.00
			H	24.99	8.98	-6.58	27.39	30.00
	1732.5	20175	V	22.29	9.08	-6.62	24.74	30.00
			H	23.49	9.07	-6.62	25.94	30.00
	1754.3	20393	V	22.28	9.17	-6.67	24.78	30.00
			H	24.43	9.17	-6.67	26.93	30.00
LTE BAND 4 BW: 1.4M 16QAM RB: 1,5	1710.7	19957	V	22.98	8.99	-6.58	25.38	30.00
			H	25.16	8.99	-6.58	<b>27.56</b>	30.00
	1732.5	20175	V	22.05	9.08	-6.63	24.50	30.00
			H	23.72	9.08	-6.63	26.17	30.00
	1754.3	20393	V	22.27	9.17	-6.67	24.77	30.00
			H	24.45	9.17	-6.67	26.95	30.00
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	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 BW: 3M QPSK RB: 1,0	1711.5	19965	V	22.03	8.98	-6.58	24.43	30.00
			H	24.10	8.98	-6.58	26.50	30.00
	1732.5	20175	V	21.62	9.07	-6.62	24.07	30.00
			H	23.23	9.07	-6.62	25.68	30.00
1753.5	20385	V	21.84	9.16	-6.67	24.34	30.00	
		H	23.93	9.16	-6.66	26.43	30.00	
LTE BAND 4 BW: 3M QPSK RB: 1,14	1711.5	19965	V	21.96	8.99	-6.58	24.37	30.00
			H	24.15	9.00	-6.59	<b>26.56</b>	30.00
	1732.5	20175	V	21.57	9.08	-6.63	24.02	30.00
			H	23.14	9.08	-6.63	25.60	30.00
1753.5	20385	V	20.82	9.17	-6.67	23.32	30.00	
		H	23.92	9.17	-6.67	26.42	30.00	
LTE BAND 4 BW: 3M 16QAM RB: 1,0	1711.5	19965	V	22.19	8.98	-6.58	24.59	30.00
			H	24.95	8.98	-6.58	<b>27.35</b>	30.00
	1732.5	20175	V	21.04	9.07	-6.62	23.49	30.00
			H	23.02	9.07	-6.62	25.47	30.00
1753.5	20385	V	21.93	9.16	-6.66	24.42	30.00	
		H	24.57	9.16	-6.66	27.07	30.00	
LTE BAND 4 BW: 3M 16QAM RB: 1,14	1711.5	19965	V	22.33	8.99	-6.59	24.74	30.00
			H	24.40	8.99	-6.59	26.81	30.00
	1732.5	20175	V	21.40	9.08	-6.63	23.86	30.00
			H	23.05	9.08	-6.63	25.51	30.00
1753.5	20385	V	22.18	9.17	-6.67	24.68	30.00	
		H	24.36	9.17	-6.67	26.86	30.00	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					Limit
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 4 BW: 5M QPSK RB: 1,0	1712.5	19975	V	21.76	8.98	-6.58	24.17	30.00
			H	24.06	8.98	-6.58	26.46	30.00
	1732.5	20175	V	21.44	9.07	-6.62	23.89	30.00
			H	22.93	9.07	-6.62	25.38	30.00
	1752.5	20375	V	21.17	9.15	-6.66	23.66	30.00
			H	23.54	9.15	-6.66	26.03	30.00
LTE BAND 4 BW: 5M QPSK RB: 1,24	1712.5	19975	V	21.89	9.00	-6.59	24.30	30.00
			H	24.15	9.00	-6.59	<b>26.56</b>	30.00
	1732.5	20175	V	21.37	9.08	-6.63	23.82	30.00
			H	22.67	9.09	-6.63	25.13	30.00
	1752.5	20375	V	20.72	9.17	-6.67	23.22	30.00
			H	23.65	9.17	-6.67	26.15	30.00
LTE BAND 4 BW: 5M 16QAM RB: 1,0	1712.5	19975	V	22.81	8.98	-6.58	25.21	30.00
			H	24.47	8.98	-6.58	26.87	30.00
	1732.5	20175	V	21.14	9.06	-6.62	23.58	30.00
			H	22.68	9.07	-6.62	25.13	30.00
	1752.5	20375	V	21.72	9.15	-6.66	24.21	30.00
			H	24.52	9.15	-6.66	<b>27.01</b>	30.00
LTE BAND 4 BW: 5M 16QAM RB: 1,24	1712.5	19975	V	22.34	9.00	-6.59	24.75	30.00
			H	24.58	9.00	-6.59	26.99	30.00
	1732.5	20175	V	21.64	9.09	-6.63	24.10	30.00
			H	22.94	9.09	-6.63	25.40	30.00
	1752.5	20375	V	22.37	9.17	-6.67	24.87	30.00
			H	24.46	9.17	-6.67	26.96	30.00
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	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 BW: 10M QPSK RB: 1,0	1715.0	20000	V	21.76	8.98	-6.58	24.17	30.00
			H	24.03	8.98	-6.58	<b>26.43</b>	30.00
	1732.0	20175	V	21.62	9.06	-6.62	24.06	30.00
			H	23.15	9.06	-6.62	25.59	30.00
1750.0	20350	V	21.08	9.13	-6.65	23.56	30.00	
		H	22.73	9.13	-6.65	25.21	30.00	
LTE BAND 4 BW: 10M QPSK RB: 1,49	1715.0	20000	V	21.82	9.03	-6.60	24.24	30.00
			H	23.95	9.02	-6.60	26.37	30.00
	1732.0	20175	V	21.07	9.10	-6.63	23.54	30.00
			H	22.93	9.10	-6.63	25.39	30.00
1750.0	20350	V	21.43	9.17	-6.67	23.93	30.00	
		H	23.21	9.17	-6.67	25.71	30.00	
LTE BAND 4 BW: 10M 16QAM RB: 1,0	1715.0	20000	V	22.13	8.99	-6.58	24.53	30.00
			H	24.74	8.98	-6.58	<b>27.14</b>	30.00
	1732.0	20175	V	21.97	9.06	-6.61	24.41	30.00
			H	22.88	9.06	-6.62	25.32	30.00
1750.0	20350	V	21.92	9.13	-6.65	24.40	30.00	
		H	23.63	9.13	-6.65	26.11	30.00	
LTE BAND 4 BW: 10M 16QAM RB: 1,49	1715.0	20000	V	21.68	9.02	-6.60	24.11	30.00
			H	23.98	9.02	-6.60	26.41	30.00
	1732.0	20175	V	21.58	9.10	-6.63	24.04	30.00
			H	22.83	9.10	-6.64	25.30	30.00
1750.0	20350	V	21.71	9.17	-6.67	24.20	30.00	
		H	24.03	9.17	-6.67	26.53	30.00	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	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 BW: 15M QPSK RB: 1,0	1717.5	20025	V	21.58	8.99	-6.58	23.98	30.00
			H	23.81	8.99	-6.58	<b>26.22</b>	30.00
	1732.5	20175	V	21.42	9.05	-6.61	23.85	30.00
			H	23.36	9.05	-6.61	25.80	30.00
1747.5	20325	V	21.15	9.11	-6.64	23.62	30.00	
		H	22.97	9.11	-6.64	25.44	30.00	
LTE BAND 4 BW: 15M QPSK RB: 1,74	1717.5	20025	V	21.64	9.04	-6.61	24.07	30.00
			H	23.51	9.04	-6.61	25.94	30.00
	1732.5	20175	V	21.39	9.10	-6.64	23.85	30.00
			H	22.96	9.10	-6.64	25.42	30.00
1747.5	20325	V	21.01	9.17	-6.67	23.51	30.00	
		H	23.72	9.17	-6.67	26.22	30.00	
LTE BAND 4 BW: 15M 16QAM RB: 1,0	1717.5	20025	V	22.81	8.99	-6.58	25.22	30.00
			H	24.54	8.99	-6.58	<b>26.95</b>	30.00
	1732.5	20175	V	21.38	9.05	-6.61	23.81	30.00
			H	23.13	9.05	-6.61	25.56	30.00
1747.5	20325	V	22.04	9.11	-6.64	24.51	30.00	
		H	23.70	9.11	-6.64	26.17	30.00	
LTE BAND 4 BW: 15M 16QAM RB: 1,74	1717.5	20025	V	21.56	9.04	-6.61	23.99	30.00
			H	23.26	9.04	-6.61	25.69	30.00
	1732.5	20175	V	21.96	9.11	-6.64	24.42	30.00
			H	23.49	9.10	-6.64	25.95	30.00
1747.5	20325	V	22.04	9.17	-6.67	24.54	30.00	
		H	24.20	9.17	-6.67	26.70	30.00	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	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 BW: 20M QPSK RB: 1,0	1720.0	20050	V	21.51	8.99	-6.58	23.91	30.00
			H	23.29	8.99	-6.58	25.69	30.00
	1732.5	20175	V	21.65	9.04	-6.61	24.08	30.00
			H	23.64	9.04	-6.61	<b>26.07</b>	30.00
1745.0	20300	V	21.42	9.09	-6.63	23.88	30.00	
		H	22.70	9.09	-6.63	25.16	30.00	
LTE BAND 4 BW: 20M QPSK RB: 1,99	1720.0	20050	V	21.20	9.06	-6.62	23.65	30.00
			H	23.17	9.06	-6.62	25.61	30.00
	1732.5	20175	V	20.73	9.12	-6.64	23.20	30.00
			H	22.88	9.11	-6.64	25.35	30.00
1745.0	20300	V	20.78	9.17	-6.67	23.28	30.00	
		H	22.95	9.17	-6.67	25.45	30.00	
LTE BAND 4 BW: 20M 16QAM RB: 1,0	1720.0	20050	V	22.58	8.99	-6.58	24.98	30.00
			H	24.69	8.99	-6.58	<b>27.09</b>	30.00
	1732.5	20175	V	21.28	9.04	-6.61	23.71	30.00
			H	23.56	9.04	-6.61	25.99	30.00
1745.0	20300	V	21.52	9.09	-6.63	23.98	30.00	
		H	22.97	9.09	-6.63	25.43	30.00	
LTE BAND 4 BW: 20M 16QAM RB: 1,99	1720.0	20050	V	21.26	9.06	-6.62	23.70	30.00
			H	22.85	9.06	-6.62	25.29	30.00
	1732.5	20175	V	21.92	9.12	-6.64	24.39	30.00
			H	23.38	9.12	-6.64	25.86	30.00
1745.0	20300	V	22.04	9.17	-6.67	24.54	30.00	
		H	23.87	9.17	-6.67	26.37	30.00	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 5 BW: 1.4M QPSK RB: 1,0	824.7	20407	V	14.40	5.14	-4.18	15.36	38.45
			H	24.20	5.14	-4.18	25.15	38.45
	836.5	20525	V	15.00	5.10	-4.22	15.88	38.45
			H	25.04	5.10	-4.22	25.92	38.45
848.3	20643	V	15.26	5.06	-4.26	16.06	38.45	
		H	24.32	5.06	-4.26	25.11	38.45	
LTE BAND 5 BW: 1.4M QPSK RB: 1,5	824.7	20407	V	13.42	5.13	-4.18	14.37	38.45
			H	23.73	5.13	-4.18	24.68	38.45
	836.5	20525	V	14.90	5.10	-4.23	15.77	38.45
			H	25.00	5.10	-4.23	25.87	38.45
848.3	20643	V	12.15	5.05	-4.27	12.94	38.45	
		H	23.38	5.06	-4.26	24.18	38.45	
LTE BAND 5 BW: 1.4M 16QAM RB: 1,0	824.7	20407	V	13.70	5.14	-4.18	14.66	38.45
			H	23.45	5.14	-4.18	24.41	38.45
	836.5	20525	V	15.05	5.10	-4.22	15.93	38.45
			H	25.15	5.10	-4.22	26.02	38.45
848.3	20643	V	13.42	5.06	-4.26	14.22	38.45	
		H	24.47	5.06	-4.26	25.27	38.45	
LTE BAND 5 BW: 1.4M 16QAM RB: 1,5	824.7	20407	V	13.46	5.13	-4.18	14.41	38.45
			H	23.25	5.13	-4.18	24.20	38.45
	836.5	20525	V	15.10	5.09	-4.23	15.97	38.45
			H	25.17	5.10	-4.23	26.04	38.45
848.3	20643	V	12.40	5.06	-4.26	13.19	38.45	
		H	23.64	5.05	-4.27	24.43	38.45	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 5 BW: 3M QPSK RB: 1,0	825.5	20415	V	14.04	5.13	-4.18	15.00	38.45
			H	24.08	5.14	-4.18	25.04	38.45
	836.5	20525	V	15.08	5.10	-4.22	15.96	38.45
			H	25.06	5.10	-4.22	<b>25.94</b>	38.45
847.5	20635	V	13.16	5.06	-4.26	13.96	38.45	
		H	24.06	5.06	-4.26	24.86	38.45	
LTE BAND 5 BW: 3M QPSK RB: 1,14	825.5	20415	V	13.90	5.13	-4.19	14.85	38.45
			H	23.62	5.13	-4.19	24.56	38.45
	836.5	20525	V	14.69	5.09	-4.23	15.55	38.45
			H	24.97	5.09	-4.23	25.83	38.45
847.5	20635	V	13.11	5.06	-4.26	13.91	38.45	
		H	24.06	5.06	-4.26	24.86	38.45	
LTE BAND 5 BW: 3M 16QAM RB: 1,0	825.5	20415	V	13.60	5.14	-4.18	14.56	38.45
			H	23.46	5.14	-4.18	24.42	38.45
	836.5	20525	V	15.01	5.10	-4.22	15.89	38.45
			H	25.39	5.10	-4.22	26.27	38.45
847.5	20635	V	13.00	5.07	-4.26	13.81	38.45	
		H	23.94	5.07	-4.26	24.75	38.45	
LTE BAND 5 BW: 3M 16QAM RB: 1,14	825.5	20415	V	13.39	5.13	-4.19	14.33	38.45
			H	23.07	5.13	-4.19	24.01	38.45
	836.5	20525	V	14.83	5.09	-4.23	15.69	38.45
			H	25.24	5.09	-4.23	26.10	38.45
847.5	20635	V	13.02	5.06	-4.26	13.81	38.45	
		H	24.12	5.06	-4.26	24.92	38.45	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 5 BW: 5M QPSK RB: 1,0	826.5	20425	V	13.95	5.14	-4.18	14.91	38.45
			H	23.99	5.14	-4.18	24.95	38.45
	836.5	20525	V	14.80	5.10	-4.22	15.68	38.45
			H	25.18	5.10	-4.22	<b>26.07</b>	38.45
846.5	20625	V	11.47	5.07	-4.25	12.30	38.45	
		H	24.14	5.07	-4.25	24.95	38.45	
LTE BAND 5 BW: 5M QPSK RB: 1,24	826.5	20425	V	14.34	5.12	-4.19	15.27	38.45
			H	24.14	5.12	-4.20	25.07	38.45
	836.5	20525	V	14.47	5.09	-4.23	15.32	38.45
			H	24.96	5.09	-4.23	25.82	38.45
846.5	20625	V	12.27	5.05	-4.27	13.06	38.45	
		H	23.62	5.05	-4.27	24.41	38.45	
LTE BAND 5 BW: 5M 16QAM RB: 1,0	826.5	20425	V	13.45	5.14	-4.18	14.40	38.45
			H	23.41	5.14	-4.17	24.38	38.45
	836.5	20525	V	15.09	5.10	-4.22	15.98	38.45
			H	25.49	5.10	-4.22	26.38	38.45
846.5	20625	V	11.33	5.07	-4.25	12.15	38.45	
		H	22.23	5.07	-4.25	23.05	38.45	
LTE BAND 5 BW: 5M 16QAM RB: 1,24	826.5	20425	V	13.91	5.12	-4.19	14.84	38.45
			H	23.68	5.12	-4.19	24.61	38.45
	836.5	20525	V	14.44	5.09	-4.23	15.30	38.45
			H	25.05	5.09	-4.23	25.91	38.45
846.5	20625	V	12.51	5.06	-4.27	13.30	38.45	
		H	23.76	5.06	-4.26	24.55	38.45	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 5 BW: 10M QPSK RB: 1,0	829.0	20450	V	13.53	5.14	-4.18	14.49	38.45
			H	23.77	5.14	-4.18	24.73	38.45
	836.5	20525	V	15.52	5.11	-4.21	16.43	38.45
			H	25.78	5.11	-4.21	26.69	38.45
844.0	20600	V	14.64	5.09	-4.24	15.49	38.45	
		H	24.60	5.09	-4.24	25.44	38.45	
LTE BAND 5 BW: 10M QPSK RB: 1,49	829.0	20450	V	15.21	5.11	-4.21	16.10	38.45
			H	25.39	5.11	-4.21	26.28	38.45
	836.5	20525	V	13.53	5.09	-4.24	14.38	38.45
			H	24.08	5.09	-4.23	24.93	38.45
844.0	20600	V	13.38	5.07	-4.26	14.19	38.45	
		H	24.52	5.07	-4.26	25.33	38.45	
LTE BAND 5 BW: 10M 16QAM RB: 1,0	829.0	20450	V	13.45	5.14	-4.18	14.42	38.45
			H	23.44	5.14	-4.17	24.41	38.45
	836.5	20525	V	15.53	5.11	-4.21	16.44	38.45
			H	25.63	5.11	-4.21	26.53	38.45
844.0	20600	V	13.97	5.09	-4.24	14.82	38.45	
		H	24.56	5.09	-4.24	25.41	38.45	
LTE BAND 5 BW: 10M 16QAM RB: 1,49	829.0	20450	V	15.41	5.11	-4.21	16.31	38.45
			H	25.78	5.11	-4.21	26.67	38.45
	836.5	20525	V	12.89	5.08	-4.24	13.72	38.45
			H	23.52	5.08	-4.24	24.36	38.45
844.0	20600	V	13.07	5.07	-4.25	13.89	38.45	
		H	24.09	5.07	-4.25	24.91	38.45	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 7 BW: 5M QPSK RB: 1,0	2502.5	20775	V	19.05	10.70	-7.83	21.92	33.01
			H	22.29	10.70	-7.83	25.16	33.01
	2535.0	21100	V	17.51	10.74	-7.87	20.38	33.01
			H	21.57	10.74	-7.87	24.44	33.01
2567.5	21425	V	17.46	10.78	-7.90	20.34	33.01	
		H	21.46	10.78	-7.90	24.33	33.01	
LTE BAND 7 BW: 5M QPSK RB: 1,24	2502.5	20775	V	19.65	10.71	-7.84	22.52	33.01
			H	22.73	10.71	-7.84	25.60	33.01
	2535.0	21100	V	17.22	10.74	-7.87	20.10	33.01
			H	20.73	10.74	-7.87	23.60	33.01
2567.5	21425	V	16.90	10.78	-7.91	19.78	33.01	
		H	20.13	10.78	-7.91	23.01	33.01	
LTE BAND 7 BW: 5M 16QAM RB: 1,0	2502.5	20775	V	18.71	10.70	-7.83	21.58	33.01
			H	21.77	10.70	-7.83	24.64	33.01
	2535.0	21100	V	17.57	10.74	-7.87	20.45	33.01
			H	17.57	10.74	-7.87	20.45	33.01
2567.5	21425	V	16.90	10.78	-7.90	19.78	33.01	
		H	20.13	10.78	-7.90	23.01	33.01	
LTE BAND 7 BW: 5M 16QAM RB: 1,24	2502.5	20775	V	19.62	10.71	-7.84	22.49	33.01
			H	22.68	10.71	-7.84	25.55	33.01
	2535.0	21100	V	17.30	10.74	-7.87	20.17	33.01
			H	20.79	10.74	-7.87	23.66	33.01
2567.5	21425	V	16.62	10.78	-7.91	19.50	33.01	
		H	19.85	10.78	-7.91	22.73	33.01	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 7 BW: 10M QPSK RB: 1,0	2505.0	20800	V	18.47	10.70	-7.83	21.34	33.01
			H	21.05	10.70	-7.83	23.92	33.01
	2535.0	21100	V	17.13	10.74	-7.86	20.00	33.01
			H	20.33	10.74	-7.86	23.21	33.01
2565.0	21400	V	16.61	10.77	-7.90	19.49	33.01	
		H	19.69	10.77	-7.90	22.56	33.01	
LTE BAND 7 BW: 10M QPSK RB: 1,49	2505.0	20800	V	18.81	10.71	-7.84	21.68	33.01
			H	21.52	10.71	-7.84	24.39	33.01
	2535.0	21100	V	17.13	10.75	-7.87	20.00	33.01
			H	19.94	10.75	-7.87	22.81	33.01
2565.0	21400	V	16.33	10.78	-7.91	19.21	33.01	
		H	19.27	10.78	-7.91	22.14	33.01	
LTE BAND 7 BW: 10M 16QAM RB: 1,0	2505.0	20800	V	18.07	10.70	-7.83	20.94	33.01
			H	20.99	10.70	-7.83	23.86	33.01
	2535.0	21100	V	17.51	10.74	-7.86	20.38	33.01
			H	20.43	10.74	-7.86	23.30	33.01
2565.0	21400	V	16.11	10.77	-7.90	18.99	33.01	
		H	19.83	10.77	-7.90	22.71	33.01	
LTE BAND 7 BW: 10M 16QAM RB: 1,49	2505.0	20800	V	18.79	10.71	-7.84	21.66	33.01
			H	21.62	10.71	-7.84	24.49	33.01
	2535.0	21100	V	17.29	10.75	-7.87	20.17	33.01
			H	20.19	10.75	-7.87	23.06	33.01
2565.0	21400	V	16.24	10.78	-7.91	19.11	33.01	
		H	19.42	10.78	-7.91	22.29	33.01	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 7 BW: 15M QPSK RB: 1,0	2507.5	20825	V	18.77	10.70	-7.83	21.64	33.01
			H	20.31	10.70	-7.83	23.18	33.01
	2535.0	21100	V	17.31	10.73	-7.86	20.18	33.01
			H	21.48	10.73	-7.86	24.35	33.01
2562.5	21375	V	16.37	10.77	-7.89	19.24	33.01	
		H	20.17	10.77	-7.89	23.05	33.01	
LTE BAND 7 BW: 15M QPSK RB: 1,74	2507.5	20825	V	17.98	10.72	-7.85	20.86	33.01
			H	21.68	10.72	-7.85	24.55	33.01
	2535.0	21100	V	16.85	10.75	-7.88	19.72	33.01
			H	21.22	10.75	-7.88	24.09	33.01
2562.5	21375	V	16.53	10.78	-7.91	19.41	33.01	
		H	19.49	10.78	-7.91	22.37	33.01	
LTE BAND 7 BW: 15M 16QAM RB: 1,0	2507.5	20825	V	18.77	10.70	-7.83	21.64	33.01
			H	20.34	10.70	-7.83	23.21	33.01
	2535.0	21100	V	16.76	10.73	-7.86	19.63	33.01
			H	21.45	10.73	-7.86	24.32	33.01
2562.5	21375	V	16.41	10.77	-7.89	19.29	33.01	
		H	20.35	10.77	-7.89	23.23	33.01	
LTE BAND 7 BW: 15M 16QAM RB: 1,74	2507.5	20825	V	18.06	10.72	-7.85	20.93	33.01
			H	21.75	10.72	-7.85	24.63	33.01
	2535.0	21100	V	17.00	10.75	-7.88	19.88	33.01
			H	21.37	10.75	-7.88	24.25	33.01
2562.5	21375	V	16.31	10.78	-7.91	19.19	33.01	
		H	19.42	10.78	-7.91	22.30	33.01	
<b>Remark</b>								
: (1)The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 7 BW: 20M QPSK RB: 1,0	2510.0	20850	V	18.80	10.70	-7.83	21.67	33.01
			H	21.19	10.70	-7.83	24.06	33.01
	2535.0	21100	V	17.59	10.73	-7.86	20.46	33.01
			H	21.64	10.73	-7.86	24.51	33.01
2560.0	21350	V	16.09	10.76	-7.89	18.96	33.01	
		H	20.81	10.76	-7.89	23.69	33.01	
LTE BAND 7 BW: 20M QPSK RB: 1,99	2510.0	20850	V	17.41	10.72	-7.85	20.29	33.01
			H	22.42	10.72	-7.85	25.29	33.01
	2535.0	21100	V	16.69	10.75	-7.88	19.56	33.01
			H	21.48	10.75	-7.88	24.36	33.01
2560.0	21350	V	16.57	10.78	-7.91	19.45	33.01	
		H	19.59	10.78	-7.91	22.47	33.01	
LTE BAND 7 BW: 20M 16QAM RB: 1,0	2510.0	20850	V	18.55	10.70	-7.83	21.42	33.01
			H	20.34	10.70	-7.83	23.21	33.01
	2535.0	21100	V	17.01	10.73	-7.86	19.89	33.01
			H	21.59	10.73	-7.86	24.46	33.01
2560.0	21350	V	16.48	10.76	-7.89	19.35	33.01	
		H	21.23	10.76	-7.89	24.10	33.01	
LTE BAND 7 BW: 20M 16QAM RB: 1,99	2510.0	20850	V	17.45	10.72	-7.85	20.33	33.01
			H	22.37	10.72	-7.85	25.25	33.01
	2535.0	21100	V	17.04	10.75	-7.88	19.91	33.01
			H	21.58	10.75	-7.88	24.46	33.01
2560.0	21350	V	16.44	10.78	-7.91	19.32	33.01	
		H	19.51	10.78	-7.91	22.38	33.01	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 12 BW: 1.4M QPSK RB: 1,0	699.7	23017	V	12.96	5.05	-3.82	14.19	24.77
			H	21.28	5.05	-3.82	<b>22.51</b>	24.77
	707.5	23095	V	14.79	5.08	-3.84	16.03	24.77
			H	18.98	5.07	-3.84	20.22	24.77
	715.3	23173	V	15.54	5.09	-3.86	16.77	24.77
			H	18.57	5.09	-3.87	19.80	24.77
LTE BAND 12 BW: 1.4M QPSK RB: 1,5	699.7	23017	V	13.42	5.06	-3.82	14.66	24.77
			H	17.96	5.05	-3.82	19.20	24.77
	707.5	23095	V	14.48	5.08	-3.84	15.71	24.77
			H	18.53	5.08	-3.84	19.76	24.77
	715.3	23173	V	14.77	5.09	-3.87	16.00	24.77
			H	19.54	5.09	-3.87	20.76	24.77
LTE BAND 12 BW: 1.4M 16QAM RB: 1,0	699.7	23017	V	12.79	5.05	-3.82	14.02	24.77
			H	17.38	5.05	-3.82	18.62	24.77
	707.5	23095	V	14.75	5.07	-3.84	15.98	24.77
			H	18.89	5.07	-3.84	20.12	24.77
	715.3	23173	V	14.87	5.09	-3.86	16.10	24.77
			H	20.66	5.09	-3.87	<b>21.89</b>	24.77
LTE BAND 12 BW: 1.4M 16QAM RB: 1,5	699.7	23017	V	13.29	5.06	-3.82	14.53	24.77
			H	17.77	5.06	-3.82	19.01	24.77
	707.5	23095	V	14.85	5.08	-3.84	16.08	24.77
			H	18.88	5.08	-3.84	20.11	24.77
	715.3	23173	V	16.23	5.09	-3.87	17.45	24.77
			H	19.79	5.09	-3.87	21.01	24.77
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 12 BW: 3M QPSK RB: 1,0	700.5	23025	V	15.03	5.06	-3.82	16.27	24.77
			H	19.26	5.06	-3.82	20.50	24.77
	707.5	23095	V	16.00	5.07	-3.84	17.23	24.77
			H	18.70	5.07	-3.84	19.93	24.77
714.5	23165	V	15.44	5.09	-3.86	16.66	24.77	
		H	20.33	5.09	-3.86	<b>21.56</b>	24.77	
LTE BAND 12 BW: 3M QPSK RB: 1,14	700.5	23025	V	14.87	5.06	-3.82	16.11	24.77
			H	17.62	5.06	-3.82	18.86	24.77
	707.5	23095	V	14.27	5.08	-3.85	15.50	24.77
			H	17.59	5.08	-3.85	18.82	24.77
714.5	23165	V	15.26	5.09	-3.86	16.48	24.77	
		H	19.03	5.09	-3.87	20.25	24.77	
LTE BAND 12 BW: 3M 16QAM RB: 1,0	700.5	23025	V	13.66	5.06	-3.82	14.90	24.77
			H	17.83	5.06	-3.82	19.07	24.77
	707.5	23095	V	15.35	5.07	-3.84	16.58	24.77
			H	19.33	5.07	-3.84	20.56	24.77
714.5	23165	V	14.95	5.09	-3.86	16.17	24.77	
		H	19.85	5.09	-3.87	21.08	24.77	
LTE BAND 12 BW: 3M 16QAM RB: 1,14	700.5	23025	V	14.89	5.06	-3.83	16.13	24.77
			H	19.09	5.06	-3.82	20.33	24.77
	707.5	23095	V	14.43	5.08	-3.85	15.66	24.77
			H	17.80	5.08	-3.85	19.03	24.77
714.5	23165	V	16.28	5.09	-3.86	17.50	24.77	
		H	21.61	5.09	-3.87	<b>22.83</b>	24.77	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 12 BW: 5M QPSK RB: 1,0	701.5	23035	V	15.51	5.06	-3.83	16.75	24.77
			H	17.28	5.05	-3.82	18.51	24.77
	707.5	23095	V	15.67	5.07	-3.84	16.90	24.77
			H	19.51	5.07	-3.84	20.74	24.77
713.5	23155	V	14.59	5.08	-3.85	15.82	24.77	
		H	19.56	5.09	-3.86	20.79	24.77	
LTE BAND 12 BW: 5M QPSK RB: 1,24	701.5	23035	V	16.39	5.07	-3.83	17.62	24.77
			H	20.55	5.07	-3.83	<b>21.78</b>	24.77
	707.5	23095	V	14.74	5.08	-3.85	15.97	24.77
			H	18.82	5.08	-3.85	20.05	24.77
713.5	23155	V	15.24	5.09	-3.87	16.47	24.77	
		H	20.12	5.09	-3.87	21.34	24.77	
LTE BAND 12 BW: 5M 16QAM RB: 1,0	701.5	23035	V	12.60	5.05	-3.82	13.83	24.77
			H	17.29	5.05	-3.82	18.53	24.77
	707.5	23095	V	15.41	5.07	-3.84	16.64	24.77
			H	19.64	5.07	-3.84	20.88	24.77
713.5	23155	V	14.61	5.08	-3.86	15.84	24.77	
		H	18.77	5.08	-3.85	20.00	24.77	
LTE BAND 12 BW: 5M 16QAM RB: 1,24	701.5	23035	V	16.75	5.07	-3.83	17.98	24.77
			H	20.98	5.07	-3.83	<b>22.21</b>	24.77
	707.5	23095	V	14.74	5.08	-3.85	15.97	24.77
			H	18.87	5.08	-3.85	20.10	24.77
713.5	23155	V	15.72	5.09	-3.87	16.95	24.77	
		H	20.62	5.09	-3.87	21.84	24.77	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 12 BW: 10M QPSK RB: 1,0	704.0	23060	V	13.36	5.07	-3.83	14.60	24.77
			H	17.88	5.05	-3.83	19.09	24.77
	707.5	23095	V	16.15	5.07	-3.83	17.39	24.77
			H	20.47	5.07	-3.83	21.70	24.77
711.0	23130	V	14.90	5.07	-3.84	16.13	24.77	
		H	18.66	5.07	-3.84	19.89	24.77	
LTE BAND 12 BW: 10M QPSK RB: 1,49	704.0	23060	V	14.53	5.08	-3.85	15.76	24.77
			H	18.62	5.07	-3.83	19.85	24.77
	707.5	23095	V	14.56	5.08	-3.86	15.79	24.77
			H	18.84	5.08	-3.86	20.07	24.77
711.0	23130	V	15.97	5.09	-3.86	17.19	24.77	
		H	20.50	5.09	-3.86	<b>21.73</b>	24.77	
LTE BAND 12 BW: 10M 16QAM RB: 1,0	704.0	23060	V	14.18	5.06	-3.83	15.42	24.77
			H	18.56	5.07	-3.83	19.80	24.77
	707.5	23095	V	16.30	5.07	-3.83	17.54	24.77
			H	20.38	5.07	-3.83	21.62	24.77
711.0	23130	V	14.74	5.07	-3.84	15.98	24.77	
		H	18.81	5.07	-3.84	20.05	24.77	
LTE BAND 12 BW: 10M 16QAM RB: 1,49	704.0	23060	V	14.67	5.08	-3.85	15.90	24.77
			H	18.75	5.08	-3.84	19.98	24.77
	707.5	23095	V	14.74	5.08	-3.86	15.97	24.77
			H	19.02	5.08	-3.86	20.25	24.77
711.0	23130	V	16.07	5.09	-3.87	17.29	24.77	
		H	20.74	5.09	-3.87	<b>21.96</b>	24.77	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 13 BW: 5M QPSK RB: 1,0	779.5	23205	V	16.97	5.19	-4.04	18.13	34.77
			H	24.21	5.19	-4.04	25.37	34.77
	782.0	23230	V	18.52	5.19	-4.05	19.67	34.77
			H	25.37	5.20	-4.05	26.51	34.77
784.5	23255	V	18.42	5.20	-4.06	19.56	34.77	
		H	26.64	5.20	-4.06	<b>27.78</b>	34.77	
LTE BAND 13 BW: 5M QPSK RB: 1,24	779.5	23205	V	18.23	5.20	-4.05	19.37	34.77
			H	26.56	5.20	-4.06	27.70	34.77
	782.0	23230	V	16.73	5.20	-4.06	17.86	34.77
			H	25.41	5.20	-4.06	26.54	34.77
784.5	23255	V	15.92	5.20	-4.07	17.05	34.77	
		H	25.24	5.20	-4.07	26.37	34.77	
LTE BAND 13 BW: 5M 16QAM RB: 1,0	779.5	23205	V	16.54	5.19	-4.04	17.69	34.77
			H	23.69	5.19	-4.04	24.85	34.77
	782.0	23230	V	18.41	5.19	-4.05	19.56	34.77
			H	25.55	5.20	-4.05	26.69	34.77
784.5	23255	V	18.08	5.20	-4.06	19.22	34.77	
		H	26.10	5.20	-4.06	27.24	34.77	
LTE BAND 13 BW: 5M 16QAM RB: 1,24	779.5	23205	V	18.06	5.20	-4.05	19.21	34.77
			H	26.52	5.20	-4.05	<b>27.66</b>	34.77
	782.0	23230	V	16.18	5.20	-4.06	17.31	34.77
			H	24.87	5.20	-4.07	26.00	34.77
784.5	23255	V	15.47	5.20	-4.07	16.60	34.77	
		H	24.68	5.20	-4.08	25.81	34.77	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 13,BW: 10M QPSK RB: 1,0	782.0	23230	V	17.49	5.19	-4.04	18.65	34.77
			H	24.14	5.19	-4.04	<b>25.29</b>	34.77
LTE BAND 13,BW: 10M QPSK RB: 1,49	782.0	23230	V	16.15	5.20	-4.06	17.29	34.77
			H	25.23	5.20	-4.07	<b>26.36</b>	34.77
LTE BAND 13, BW: 10M 16QAM RB: 1,0	782.0	23230	V	17.44	5.19	-4.04	18.60	34.77
			H	24.08	5.19	-4.04	<b>25.23</b>	34.77
LTE BAND 13, BW: 10M 16QAM RB: 1,49	782.0	23230	V	15.59	5.20	-4.07	16.72	34.77
			H	24.79	5.20	-4.07	<b>25.92</b>	34.77

**Remark :** ( 1 )The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	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 BW: 5M QPSK RB: 1,0	706.5	23755	V	11.69	5.07	-3.83	12.93	24.77
			H	17.71	5.07	-3.83	<b>18.94</b>	24.77
	710.0	23790	V	10.33	5.08	-3.84	11.56	24.77
			H	16.98	5.08	-3.85	18.21	24.77
713.5	23825	V	9.52	5.08	-3.85	10.75	24.77	
		H	16.94	5.08	-3.85	18.17	24.77	
LTE BAND 17 BW: 5M QPSK RB: 1,24	706.5	23755	V	10.06	5.08	-3.85	11.29	24.77
			H	15.71	5.08	-3.85	16.94	24.77
	710.0	23790	V	9.54	5.08	-3.86	10.77	24.77
			H	16.91	5.08	-3.86	18.14	24.77
713.5	23825	V	10.40	5.09	-3.87	11.63	24.77	
		H	16.77	5.09	-3.87	18.00	24.77	
LTE BAND 17 BW: 5M 16QAM RB: 1,0	706.5	23755	V	12.02	5.07	-3.83	13.25	24.77
			H	17.50	5.07	-3.83	18.73	24.77
	710.0	23790	V	10.39	5.08	-3.84	11.62	24.77
			H	16.49	5.08	-3.84	17.72	24.77
713.5	23825	V	9.49	5.08	-3.85	10.72	24.77	
		H	16.82	5.08	-3.86	18.05	24.77	
LTE BAND 17 BW: 5M 16QAM RB: 1,24	706.5	23755	V	10.19	5.08	-3.85	11.42	24.77
			H	16.83	5.08	-3.85	18.07	24.77
	710.0	23790	V	9.69	5.09	-3.86	10.92	24.77
			H	17.07	5.09	-3.86	18.29	24.77
713.5	23825	V	10.87	5.09	-3.87	12.09	24.77	
		H	17.90	5.09	-3.87	<b>19.13</b>	24.77	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	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 BW: 10M QPSK RB: 1,0	709.0	23780	V	9.26	5.07	-3.83	10.49	24.77
			H	15.75	5.07	-3.83	16.99	24.77
	710.0	23790	V	9.06	5.07	-3.84	10.29	24.77
			H	15.06	5.07	-3.84	16.30	24.77
711.0	23800	V	8.84	5.07	-3.84	10.07	24.77	
		H	15.16	5.07	-3.84	16.40	24.77	
LTE BAND 17 BW: 10M QPSK RB: 1,49	709.0	23780	V	9.50	5.09	-3.86	10.73	24.77
			H	15.80	5.09	-3.86	17.03	24.77
	710.0	23790	V	9.54	5.09	-3.87	10.77	24.77
			H	15.95	5.09	-3.86	17.17	24.77
711.0	23800	V	9.44	5.09	-3.87	10.67	24.77	
		H	16.85	5.09	-3.87	<b>18.08</b>	24.77	
LTE BAND 17 BW: 10M 16QAM RB: 1,0	709.0	23780	V	10.08	5.07	-3.83	11.32	24.77
			H	16.23	5.07	-3.84	17.47	24.77
	710.0	23790	V	10.17	5.07	-3.84	11.41	24.77
			H	16.30	5.07	-3.84	17.53	24.77
711.0	23800	V	10.17	5.07	-3.84	11.40	24.77	
		H	15.98	5.07	-3.84	17.22	24.77	
LTE BAND 17 BW: 10M 16QAM RB: 1,49	709.0	23780	V	10.12	5.09	-3.86	11.35	24.77
			H	16.23	5.09	-3.86	17.46	24.77
	710.0	23790	V	11.19	5.09	-3.86	12.41	24.77
			H	16.47	5.09	-3.86	17.70	24.77
711.0	23800	V	10.74	5.09	-3.87	11.96	24.77	
		H	17.69	5.09	-3.87	<b>18.91</b>	24.77	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 26 BW: 1.4M QPSK RB: 1,0	824.7	26797	V	19.56	5.14	-4.18	20.52	38.45
			H	21.57	5.14	-4.18	22.53	38.45
	836.5	26915	V	19.19	5.10	-4.22	20.07	38.45
			H	25.55	5.09	-4.24	<b>26.39</b>	38.45
LTE BAND 26 BW: 1.4M QPSK RB: 1,5	824.7	26797	V	15.22	5.13	-4.18	16.18	38.45
			H	20.71	5.13	-4.18	21.66	38.45
	836.5	26915	V	19.55	5.10	-4.23	20.42	38.45
			H	24.02	5.09	-4.23	24.89	38.45
LTE BAND 26 BW: 1.4M 16QAM RB: 1,0	824.7	26797	V	16.27	5.14	-4.18	17.22	38.45
			H	22.42	5.15	-4.17	23.39	38.45
	836.5	26915	V	20.11	5.10	-4.22	20.99	38.45
			H	24.86	5.10	-4.22	25.73	38.45
LTE BAND 26 BW: 1.4M 16QAM RB: 1,5	824.7	26797	V	16.02	5.13	-4.18	16.97	38.45
			H	21.76	5.13	-4.18	22.71	38.45
	836.5	26915	V	20.19	5.10	-4.23	21.06	38.45
			H	25.05	5.09	-4.23	<b>25.92</b>	38.45
848.3	27033	V	21.11	5.06	-4.26	21.91	38.45	
		H	24.75	5.06	-4.26	25.54	38.45	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 26 BW: 3M QPSK RB: 1,0	825.5	26805	V	14.64	5.14	-4.18	15.60	38.45
			H	20.89	5.14	-4.18	21.85	38.45
	836.5	26915	V	19.06	5.10	-4.22	19.94	38.45
			H	23.43	5.10	-4.22	24.31	38.45
847.5	27025	V	18.35	5.07	-4.26	19.16	38.45	
		H	22.44	5.07	-4.26	23.25	38.45	
LTE BAND 26 BW: 3M QPSK RB: 1,14	825.5	26805	V	14.71	5.13	-4.19	15.64	38.45
			H	20.48	5.13	-4.19	21.42	38.45
	836.5	26915	V	19.73	5.09	-4.23	20.59	38.45
			H	24.13	5.09	-4.23	24.99	38.45
847.5	27025	V	20.21	5.05	-4.27	21.00	38.45	
		H	24.81	5.05	-4.27	<b>25.60</b>	38.45	
LTE BAND 26 BW: 3M 16QAM RB: 1,0	825.5	26805	V	15.52	5.14	-4.18	16.48	38.45
			H	21.82	5.14	-4.18	22.78	38.45
	836.5	26915	V	18.85	5.10	-4.22	19.73	38.45
			H	25.15	5.10	-4.22	<b>26.03</b>	38.45
847.5	27025	V	18.53	5.06	-4.26	19.34	38.45	
		H	22.69	5.07	-4.26	23.50	38.45	
LTE BAND 26 BW: 3M 16QAM RB: 1,14	825.5	26805	V	15.56	5.13	-4.19	16.50	38.45
			H	20.65	5.13	-4.19	21.59	38.45
	836.5	26915	V	19.72	5.09	-4.23	20.58	38.45
			H	24.65	5.09	-4.23	25.51	38.45
847.5	27025	V	20.48	5.06	-4.26	21.28	38.45	
		H	24.79	5.06	-4.26	25.59	38.45	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 26 BW: 5M QPSK RB: 1,0	826.5	26815	V	14.84	5.14	-4.18	15.79	38.45
			H	26.32	5.13	-4.18	<b>27.27</b>	38.45
	836.5	26915	V	22.11	5.10	-4.22	22.99	38.45
			H	23.07	5.10	-4.22	23.96	38.45
	846.5	27015	V	19.38	5.07	-4.25	20.20	38.45
			H	23.30	5.07	-4.25	24.12	38.45
LTE BAND 26 BW: 5M QPSK RB: 1,24	826.5	26815	V	15.62	5.12	-4.20	16.55	38.45
			H	20.82	5.12	-4.20	21.74	38.45
	836.5	26915	V	19.61	5.09	-4.23	20.47	38.45
			H	23.79	5.09	-4.23	24.65	38.45
	846.5	27015	V	20.01	5.05	-4.27	20.80	38.45
			H	24.32	5.06	-4.26	25.11	38.45
LTE BAND 26 BW: 5M 16QAM RB: 1,0	826.5	26815	V	15.73	5.14	-4.18	16.69	38.45
			H	20.94	5.14	-4.18	21.90	38.45
	836.5	26915	V	20.33	5.10	-4.22	21.22	38.45
			H	24.50	5.10	-4.22	<b>25.39</b>	38.45
	846.5	27015	V	16.57	5.07	-4.25	17.39	38.45
			H	24.18	5.06	-4.26	24.98	38.45
LTE BAND 26 BW: 5M 16QAM RB: 1,24	826.5	26815	V	17.32	5.12	-4.20	18.24	38.45
			H	21.97	5.12	-4.20	22.89	38.45
	836.5	26915	V	20.21	5.09	-4.23	21.06	38.45
			H	24.38	5.09	-4.23	25.24	38.45
	846.5	27015	V	21.01	5.06	-4.27	21.80	38.45
			H	23.99	5.06	-4.26	24.78	38.45
<b>Remark</b>								
: ( 1 )The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 26 BW: 10M QPSK RB: 1,0	829.0	26840	V	15.28	5.13	-4.18	16.23	38.45
			H	20.95	5.14	-4.18	21.91	38.45
	836.5	26915	V	18.54	5.11	-4.21	19.44	38.45
			H	23.52	5.11	-4.21	<b>24.43</b>	38.45
844.0	26990	V	16.15	5.17	-4.14	17.19	38.45	
		H	22.95	5.18	-4.14	23.99	38.45	
LTE BAND 26 BW: 10M QPSK RB: 1,49	829.0	26840	V	18.56	5.11	-4.21	19.45	38.45
			H	23.30	5.11	-4.21	24.20	38.45
	836.5	26915	V	18.02	5.09	-4.24	18.87	38.45
			H	22.30	5.09	-4.23	23.15	38.45
844.0	26990	V	16.19	5.15	-4.16	17.18	38.45	
		H	22.98	5.16	-4.16	23.98	38.45	
LTE BAND 26 BW: 10M 16QAM RB: 1,0	829.0	26840	V	15.34	5.13	-4.18	16.29	38.45
			H	21.73	5.14	-4.18	22.68	38.45
	836.5	26915	V	19.78	5.11	-4.21	20.69	38.45
			H	23.99	5.11	-4.21	24.89	38.45
844.0	26990	V	16.67	5.17	-4.15	17.69	38.45	
		H	23.82	5.17	-4.14	24.85	38.45	
LTE BAND 26 BW: 10M 16QAM RB: 1,49	829.0	26840	V	19.83	5.11	-4.21	20.73	38.45
			H	24.64	5.11	-4.21	<b>25.54</b>	38.45
	836.5	26915	V	18.13	5.08	-4.24	18.97	38.45
			H	22.25	5.08	-4.24	23.09	38.45
844.0	26990	V	17.25	5.16	-4.15	18.25	38.45	
		H	24.00	5.16	-4.16	25.00	38.45	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 26 BW: 15M QPSK RB: 1,0	831.5	26865	V	15.02	5.13	-4.18	15.98	38.45
			H	21.26	5.13	-4.18	22.21	38.45
	836.5	26915	V	17.03	5.12	-4.20	17.94	38.45
			H	22.42	5.12	-4.20	23.34	38.45
841.5	26965	V	18.77	5.10	-4.22	19.65	38.45	
		H	23.42	5.10	-4.22	24.30	38.45	
LTE BAND 26 BW: 15M QPSK RB: 1,74	831.5	26865	V	19.64	5.09	-4.23	20.50	38.45
			H	23.93	5.09	-4.23	24.79	38.45
	836.5	26915	V	15.74	5.08	-4.25	16.56	38.45
			H	19.81	5.08	-4.25	20.64	38.45
841.5	26965	V	20.10	5.06	-4.26	20.90	38.45	
		H	24.00	5.06	-4.26	<b>24.79</b>	38.45	
LTE BAND 26 BW: 15M 16QAM RB: 1,0	831.5	26865	V	15.15	5.13	-4.18	16.10	38.45
			H	21.39	5.14	-4.18	22.35	38.45
	836.5	26915	V	17.32	5.12	-4.20	18.24	38.45
			H	22.73	5.12	-4.20	23.65	38.45
841.5	26965	V	20.14	5.10	-4.22	21.02	38.45	
		H	24.84	5.10	-4.22	25.72	38.45	
LTE BAND 26 BW: 15M 16QAM RB: 1,74	831.5	26865	V	20.68	5.09	-4.23	21.54	38.45
			H	25.04	5.09	-4.23	<b>25.90</b>	38.45
	836.5	26915	V	16.09	5.08	-4.25	16.92	38.45
			H	20.18	5.08	-4.25	21.01	38.45
841.5	26965	V	20.86	5.06	-4.26	21.65	38.45	
		H	24.59	5.06	-4.26	25.39	38.45	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 26 BW: 1.4M QPSK RB: 1,0	814.7	26697	V	7.61	5.17	-4.15	8.63	50.00
			H	26.68	5.17	-4.14	27.71	50.00
	819.0	26740	V	6.52	5.16	-4.16	7.52	50.00
			H	26.14	5.16	-4.16	27.14	50.00
	823.3	26783	V	5.70	5.14	-4.17	6.67	50.00
			H	23.90	5.14	-4.17	24.87	50.00
LTE BAND 26 BW: 1.4M QPSK RB: 1,5	814.7	26697	V	-1.78	5.17	-4.15	-0.76	50.00
			H	26.56	5.17	-4.15	27.58	50.00
	819.0	26740	V	3.55	5.15	-4.16	4.54	50.00
			H	24.54	5.15	-4.16	25.53	50.00
	823.3	26783	V	3.40	5.14	-4.17	4.37	50.00
			H	23.38	5.14	-4.18	24.34	50.00
LTE BAND 26 BW: 1.4M 16QAM RB: 1,0	814.7	26697	V	-1.64	5.17	-4.14	-0.61	50.00
			H	26.32	5.17	-4.14	27.35	50.00
	819.0	26740	V	4.73	5.16	-4.15	5.73	50.00
			H	25.63	5.16	-4.16	26.63	50.00
	823.3	26783	V	3.43	5.14	-4.18	4.39	50.00
			H	24.13	5.14	-4.17	25.10	50.00
LTE BAND 26 BW: 1.4M 16QAM RB: 1,5	814.7	26697	V	-1.20	5.17	-4.15	-0.18	50.00
			H	26.77	5.17	-4.15	<b>27.79</b>	50.00
	819.0	26740	V	5.25	5.16	-4.16	6.25	50.00
			H	25.72	5.15	-4.16	26.72	50.00
	823.3	26783	V	3.62	5.14	-4.17	4.59	50.00
			H	23.65	5.14	-4.17	24.61	50.00
<b>Remark</b>								
: ( 1 )The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 26 BW: 3M QPSK RB: 1,0	815.5	26705	V	7.23	5.19	-4.13	8.29	50.00
			H	26.46	5.17	-4.14	<b>27.49</b>	50.00
	819.0	26740	V	6.72	5.16	-4.16	7.72	50.00
			H	25.51	5.16	-4.15	26.51	50.00
822.5	26775	V	7.32	5.14	-4.17	8.29	50.00	
		H	26.07	5.14	-4.17	27.05	50.00	
LTE BAND 26 BW: 3M QPSK RB: 1,14	815.5	26705	V	6.63	5.16	-4.15	7.64	50.00
			H	25.53	5.16	-4.15	26.54	50.00
	819.0	26740	V	6.83	5.15	-4.16	7.82	50.00
			H	25.66	5.15	-4.16	26.65	50.00
822.5	26775	V	7.73	5.14	-4.18	8.69	50.00	
		H	26.07	5.14	-4.17	27.03	50.00	
LTE BAND 26 BW: 3M 16QAM RB: 1,0	815.5	26705	V	6.97	5.17	-4.14	8.00	50.00
			H	26.35	5.17	-4.14	<b>27.38</b>	50.00
	819.0	26740	V	6.98	5.16	-4.15	7.98	50.00
			H	25.87	5.16	-4.15	26.88	50.00
822.5	26775	V	7.14	5.15	-4.17	8.12	50.00	
		H	25.95	5.15	-4.17	26.93	50.00	
LTE BAND 26 BW: 3M 16QAM RB: 1,14	815.5	26705	V	7.35	5.16	-4.15	8.37	50.00
			H	26.06	5.16	-4.15	27.07	50.00
	819.0	26740	V	6.92	5.15	-4.16	7.91	50.00
			H	26.02	5.15	-4.16	27.01	50.00
822.5	26775	V	6.92	5.14	-4.18	7.88	50.00	
		H	25.08	5.14	-4.17	26.05	50.00	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 26 BW: 5M QPSK RB: 1,0	816.5	26715	V	7.27	5.17	-4.14	8.30	50.00
			H	27.01	5.17	-4.14	<b>28.04</b>	50.00
	819.0	26740	V	6.26	5.16	-4.15	7.27	50.00
			H	25.49	5.16	-4.15	26.50	50.00
821.5	26765	V	6.84	5.14	-4.17	7.81	50.00	
		H	25.29	5.15	-4.16	26.29	50.00	
LTE BAND 26 BW: 5M QPSK RB: 1,24	816.5	26715	V	6.16	5.15	-4.16	7.15	50.00
			H	25.24	5.16	-4.16	26.24	50.00
	819.0	26740	V	6.64	5.15	-4.17	7.62	50.00
			H	25.77	5.15	-4.16	26.75	50.00
821.5	26765	V	7.22	5.14	-4.17	8.19	50.00	
		H	25.95	5.14	-4.17	26.92	50.00	
LTE BAND 26 BW: 5M 16QAM RB: 1,0	816.5	26715	V	6.79	5.17	-4.14	7.82	50.00
			H	26.36	5.17	-4.14	<b>27.38</b>	50.00
	819.0	26740	V	6.69	5.16	-4.15	7.70	50.00
			H	25.95	5.16	-4.15	26.96	50.00
821.5	26765	V	6.59	5.15	-4.16	7.58	50.00	
		H	25.78	5.15	-4.16	26.77	50.00	
LTE BAND 26 BW: 5M 16QAM RB: 1,24	816.5	26715	V	6.42	5.16	-4.16	7.42	50.00
			H	25.74	5.16	-4.16	26.74	50.00
	819.0	26740	V	6.74	5.15	-4.17	7.72	50.00
			H	25.88	5.15	-4.17	26.87	50.00
821.5	26765	V	6.59	5.14	-4.18	7.56	50.00	
		H	25.13	5.14	-4.18	26.10	50.00	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 26	819.0	26740	V	6.44	5.17	-4.15	7.47	50.00
			H	26.18	5.17	-4.14	<b>27.21</b>	50.00
LTE BAND 26	819.0	26740	V	7.30	5.14	-4.18	8.27	50.00
			H	26.10	5.14	-4.17	<b>27.07</b>	50.00
LTE BAND 26	819.0	26740	V	6.64	5.17	-4.14	7.66	50.00
			H	26.36	5.17	-4.15	<b>27.39</b>	50.00
LTE BAND 26	819.0	26740	V	6.48	5.14	-4.17	7.44	50.00
			H	25.36	5.14	-4.17	<b>26.32</b>	50.00
<b>Remark</b>								
: ( 1 )The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

BAND 30 / BW: 5M / QPSK / RB: 1,0								
EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 30	2307.5	27685	V	20.35	10.51	-7.59	23.27	34.77
			H	22.37	10.51	-7.59	25.29	34.77
	2310.0	27710	V	20.08	10.51	-7.59	23.00	34.77
			H	21.92	10.51	-7.59	24.84	34.77
	2312.5	27735	V	19.91	10.51	-7.59	22.83	34.77
			H	21.89	10.51	-7.59	24.81	34.77

**Remark :**  
( 1 ) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

BAND 30 / BW: 5M / QPSK / RB: 1,24								
EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 30	2307.5	27685	V	19.65	10.51	-7.59	22.56	34.77
			H	21.90	10.51	-7.59	24.82	34.77
	2310.0	27710	V	19.75	10.51	-7.60	22.66	34.77
			H	21.81	10.51	-7.60	24.73	34.77
	2312.5	27735	V	19.64	10.51	-7.60	22.56	34.77
			H	22.02	10.51	-7.60	24.93	34.77

**Remark :**  
( 1 ) The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

BAND 30 / BW: 5M / 16QAM / RB: 1,0								
EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 30	2307.5	27685	V	20.09	10.51	-7.59	23.01	34.77
			H	21.86	10.51	-7.59	24.78	34.77
	2310.0	27710	V	19.91	10.51	-7.59	22.82	34.77
			H	21.88	10.51	-7.59	24.80	34.77
	2312.5	27735	V	19.60	10.51	-7.59	22.52	34.77
			H	21.72	10.51	-7.59	24.64	34.77

**Remark**  
:

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

BAND 30 / BW: 5M / 16QAM / RB: 1,24								
EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 30	2307.5	27685	V	19.24	10.51	-7.59	22.16	34.77
			H	21.38	10.51	-7.59	24.29	34.77
	2310.0	27710	V	19.62	10.51	-7.60	22.53	34.77
			H	21.82	10.51	-7.60	24.74	34.77
	2312.5	27735	V	19.42	10.51	-7.60	22.34	34.77
			H	21.96	10.51	-7.60	24.87	34.77

**Remark**  
:

( 1 ) The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

BAND 30 / BW: 10M / QPSK / RB: 1,0								
EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 30	2310.0	27710	V	20.38	10.51	-7.59	23.30	34.77
			H	22.30	10.51	-7.59	25.22	34.77
<b>Remark :</b> ( 1 ) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz								

BAND 30 / BW: 10M / QPSK / RB: 1,49								
EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 30	2310.0	27710	V	19.40	10.51	-7.59	22.31	34.77
			H	21.93	10.51	-7.60	24.84	34.77
<b>Remark :</b> ( 1 ) The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

BAND 30 / BW: 10M / 16QAM / RB: 1,0								
EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 30	2310.0	27710	V	20.27	10.51	-7.59	23.19	34.77
			H	22.27	10.51	-7.59	25.19	34.77
<b>Remark</b> : ( 1 ) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz								

BAND 30 / BW: 10M / 16QAM / RB: 1,49								
EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 30	2310.0	27710	V	19.32	10.51	-7.60	22.24	34.77
			H	21.85	10.51	-7.60	24.77	34.77
<b>Remark</b> : ( 1 ) The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 38 BW: 5M QPSK RB: 1,0	2572.5	37775	V	15.25	10.78	-7.91	18.13	33.00
			H	14.02	10.78	-7.91	16.89	33.00
	2595.0	38000	V	15.92	10.81	-7.93	18.80	33.00
			H	15.91	10.81	-7.93	18.79	33.00
2617.5	38225	V	16.24	10.84	-7.96	19.13	33.00	
		H	15.59	10.84	-7.96	18.47	33.00	
LTE BAND 38 BW: 5M QPSK RB: 1,24	2572.5	37775	V	14.70	10.79	-7.91	17.58	33.00
			H	14.04	10.79	-7.91	16.91	33.00
	2595.0	38000	V	16.63	10.82	-7.94	<b>19.51</b>	33.00
			H	15.85	10.82	-7.94	18.73	33.00
2617.5	38225	V	16.30	10.84	-7.96	19.18	33.00	
		H	14.42	10.84	-7.96	17.31	33.00	
LTE BAND 38 BW: 5M 16QAM RB: 1,0	2572.5	37775	V	14.26	10.78	-7.91	17.14	33.00
			H	12.98	10.78	-7.91	15.86	33.00
	2595.0	38000	V	15.23	10.81	-7.93	18.11	33.00
			H	15.18	10.81	-7.93	18.06	33.00
2617.5	38225	V	16.45	10.84	-7.96	19.34	33.00	
		H	15.65	10.84	-7.96	18.53	33.00	
LTE BAND 38 BW: 5M 16QAM RB: 1,24	2572.5	37775	V	13.41	10.79	-7.91	16.28	33.00
			H	13.36	10.79	-7.91	16.24	33.00
	2595.0	38000	V	16.37	10.82	-7.94	19.25	33.00
			H	15.82	10.82	-7.94	18.70	33.00
2617.5	38225	V	16.50	10.84	-7.96	<b>19.38</b>	33.00	
		H	14.85	10.84	-7.96	17.74	33.00	
<b>Remark</b>								
: ( 1 )The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 38 BW: 10M QPSK RB: 1,0	2575.0	37800	V	14.66	10.78	-7.91	17.54	33.00
			H	13.54	10.78	-7.91	16.42	33.00
	2595.0	38000	V	14.80	10.81	-7.93	17.68	33.00
			H	15.40	10.81	-7.93	18.28	33.00
2615.0	38200	V	16.09	10.83	-7.95	18.97	33.00	
		H	15.65	10.83	-7.95	18.54	33.00	
LTE BAND 38 BW: 10M QPSK RB: 1,49	2575.0	37800	V	14.00	10.80	-7.92	16.88	33.00
			H	14.19	10.80	-7.92	17.06	33.00
	2595.0	38000	V	16.89	10.82	-7.94	<b>19.77</b>	33.00
			H	15.89	10.82	-7.94	18.77	33.00
2615.0	38200	V	16.23	10.84	-7.96	19.12	33.00	
		H	14.52	10.84	-7.96	17.40	33.00	
LTE BAND 38 BW: 10M 16QAM RB: 1,0	2575.0	37800	V	13.70	10.78	-7.91	16.57	33.00
			H	12.57	10.78	-7.91	15.44	33.00
	2595.0	38000	V	14.51	10.81	-7.93	17.39	33.00
			H	14.70	10.81	-7.93	17.58	33.00
2615.0	38200	V	16.13	10.83	-7.95	19.01	33.00	
		H	15.48	10.83	-7.95	18.36	33.00	
LTE BAND 38 BW: 10M 16QAM RB: 1,49	2575.0	37800	V	13.15	10.80	-7.92	16.03	33.00
			H	13.42	10.80	-7.92	16.30	33.00
	2595.0	38000	V	16.55	10.82	-7.94	<b>19.43</b>	33.00
			H	15.54	10.82	-7.94	18.42	33.00
2615.0	38200	V	16.30	10.84	-7.96	19.19	33.00	
		H	14.68	10.84	-7.96	17.56	33.00	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 38 BW: 15M QPSK RB: 1,0	2577.5	37825	V	14.48	10.79	-7.91	17.36	33.00
			H	13.64	10.79	-7.91	16.52	33.00
	2595.0	38000	V	14.36	10.81	-7.93	17.24	33.00
			H	15.02	10.81	-7.93	17.90	33.00
	2612.5	38175	V	16.84	10.83	-7.95	19.73	33.00
			H	15.77	10.83	-7.95	18.65	33.00
LTE BAND 38 BW: 15M QPSK RB: 1,74	2577.5	37825	V	13.62	10.80	-7.92	16.50	33.00
			H	14.51	10.80	-7.92	17.39	33.00
	2595.0	38000	V	17.01	10.82	-7.94	<b>19.89</b>	33.00
			H	15.83	10.82	-7.94	18.71	33.00
	2612.5	38175	V	16.00	10.84	-7.96	18.89	33.00
			H	14.51	10.84	-7.96	17.40	33.00
LTE BAND 38 BW: 15M 16QAM RB: 1,0	2577.5	37825	V	13.65	10.78	-7.91	16.53	33.00
			H	12.87	10.78	-7.91	15.75	33.00
	2595.0	38000	V	13.75	10.81	-7.93	16.63	33.00
			H	14.39	10.81	-7.93	17.27	33.00
	2612.5	38175	V	16.85	10.83	-7.95	<b>19.73</b>	33.00
			H	15.75	10.83	-7.95	18.63	33.00
LTE BAND 38 BW: 15M 16QAM RB: 1,74	2577.5	37825	V	13.24	10.80	-7.92	16.12	33.00
			H	13.75	10.80	-7.92	16.63	33.00
	2595.0	38000	V	16.72	10.82	-7.94	19.60	33.00
			H	15.64	10.82	-7.94	18.52	33.00
	2612.5	38175	V	16.29	10.84	-7.96	19.17	33.00
			H	14.64	10.84	-7.96	17.53	33.00
<b>Remark</b>								
: ( 1 )The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 38 BW: 20M QPSK RB: 1,0	2580.0	37850	V	14.40	10.79	-7.91	17.28	33.00
			H	13.43	10.79	-7.91	16.31	33.00
	2595.0	38000	V	13.30	10.80	-7.92	16.18	33.00
			H	14.61	10.80	-7.93	17.48	33.00
	2610.0	38150	V	16.84	10.82	-7.94	<b>19.72</b>	33.00
			H	15.87	10.82	-7.94	18.75	33.00
LTE BAND 38 BW: 20M QPSK RB: 1,99	2580.0	37850	V	13.65	10.81	-7.93	16.53	33.00
			H	15.09	10.81	-7.93	17.97	33.00
	2595.0	38000	V	16.71	10.83	-7.94	19.59	33.00
			H	15.91	10.82	-7.94	18.79	33.00
	2610.0	38150	V	15.92	10.84	-7.96	18.80	33.00
			H	14.46	10.84	-7.96	17.35	33.00
LTE BAND 38 BW: 20M 16QAM RB: 1,0	2580.0	37850	V	13.41	10.79	-7.91	16.29	33.00
			H	12.51	10.79	-7.91	15.38	33.00
	2595.0	38000	V	12.09	10.80	-7.93	14.97	33.00
			H	13.82	10.80	-7.93	16.70	33.00
	2610.0	38150	V	16.55	10.82	-7.94	<b>19.43</b>	33.00
			H	15.38	10.82	-7.94	18.26	33.00
LTE BAND 38 BW: 20M 16QAM RB: 1,99	2580.0	37850	V	12.97	10.81	-7.93	15.85	33.00
			H	14.19	10.81	-7.93	17.07	33.00
	2595.0	38000	V	16.51	10.83	-7.94	19.39	33.00
			H	15.47	10.83	-7.94	18.35	33.00
	2610.0	38150	V	16.08	10.84	-7.96	18.97	33.00
			H	14.14	10.84	-7.96	17.02	33.00
<b>Remark</b>								
: ( 1 )The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 41 BW: 5M QPSK RB: 1,0	2498.5	39675	V	20.44	10.70	-7.83	23.31	33.00
			H	22.49	10.70	-7.83	25.37	33.00
	2593.0	40620	V	15.35	10.81	-7.93	18.23	33.00
			H	19.61	10.81	-7.93	22.49	33.00
2687.5	41565	V	18.10	10.92	-8.03	20.99	33.00	
		H	16.72	10.92	-8.03	19.62	33.00	
LTE BAND 41 BW: 5M QPSK RB: 1,24	2498.5	39675	V	20.12	10.70	-7.83	22.99	33.00
			H	22.89	10.70	-7.83	<b>25.76</b>	33.00
	2593.0	40620	V	14.65	10.81	-7.94	17.53	33.00
			H	19.52	10.81	-7.93	22.40	33.00
2687.5	41565	V	17.99	10.93	-8.03	20.88	33.00	
		H	17.02	10.93	-8.03	19.92	33.00	
LTE BAND 41 BW: 5M 16QAM RB: 1,0	2498.5	39675	V	19.35	10.70	-7.83	22.22	33.00
			H	21.95	10.70	-7.83	24.82	33.00
	2593.0	40620	V	14.93	10.81	-7.93	17.81	33.00
			H	19.48	10.81	-7.93	22.35	33.00
2687.5	41565	V	17.11	10.92	-8.03	20.01	33.00	
		H	15.90	10.92	-8.03	18.80	33.00	
LTE BAND 41 BW: 5M 16QAM RB: 1,24	2498.5	39675	V	19.83	10.70	-7.83	22.70	33.00
			H	22.64	10.70	-7.83	<b>25.51</b>	33.00
	2593.0	40620	V	14.38	10.81	-7.94	17.26	33.00
			H	19.42	10.81	-7.93	22.30	33.00
2687.5	41565	V	17.08	10.93	-8.03	19.98	33.00	
		H	16.16	10.93	-8.03	19.05	33.00	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 41 BW: 10M QPSK RB: 1,0	2501.0	39700	V	19.87	10.70	-7.83	22.74	33.00
			H	21.93	10.70	-7.82	24.80	33.00
	2593.0	40620	V	15.86	10.81	-7.93	18.74	33.00
			H	19.10	10.81	-7.93	21.98	33.00
2685.0	41540	V	19.67	10.71	-7.84	22.54	33.00	
		H	22.71	10.71	-7.84	<b>25.58</b>	33.00	
LTE BAND 41 BW: 10M QPSK RB: 1,49	2501.0	39700	V	15.42	10.82	-7.94	18.30	33.00
			H	18.49	10.82	-7.94	21.37	33.00
	2593.0	40620	V	19.25	10.70	-7.83	22.12	33.00
			H	21.53	10.70	-7.83	24.40	33.00
2685.0	41540	V	15.61	10.81	-7.93	18.48	33.00	
		H	17.90	10.81	-7.93	20.78	33.00	
LTE BAND 41 BW: 10M 16QAM RB: 1,0	2501.0	39700	V	19.47	10.71	-7.84	22.34	33.00
			H	22.56	10.71	-7.84	25.43	33.00
	2593.0	40620	V	15.45	10.82	-7.94	18.33	33.00
			H	18.42	10.82	-7.94	21.30	33.00
2685.0	41540	V	19.49	10.70	-7.83	22.36	33.00	
		H	21.69	10.70	-7.83	24.56	33.00	
LTE BAND 41 BW: 10M 16QAM RB: 1,49	2501.0	39700	V	15.45	10.81	-7.93	18.33	33.00
			H	17.20	10.81	-7.93	20.08	33.00
	2593.0	40620	V	19.59	10.71	-7.84	22.46	33.00
			H	22.69	10.71	-7.84	<b>25.56</b>	33.00
2685.0	41540	V	15.03	10.82	-7.94	17.91	33.00	
		H	17.73	10.82	-7.94	20.61	33.00	
<b>Remark</b>								
: (1) The RBW, VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 41 BW: 15M QPSK RB: 1,0	2503.5	39725	V	19.59	10.70	-7.83	22.46	33.00
			H	21.72	10.70	-7.83	24.59	33.00
	2593.0	40620	V	15.74	10.80	-7.93	18.61	33.00
			H	17.91	10.80	-7.93	20.79	33.00
	2682.5	41515	V	19.67	10.91	-8.02	22.57	33.00
			H	16.67	10.91	-8.02	19.57	33.00
LTE BAND 41 BW: 15M QPSK RB: 1,74	2503.5	39725	V	19.56	10.71	-7.84	22.44	33.00
			H	21.76	10.71	-7.84	<b>24.63</b>	33.00
	2593.0	40620	V	16.39	10.82	-7.94	19.27	33.00
			H	18.47	10.82	-7.94	21.35	33.00
	2682.5	41515	V	18.41	10.93	-8.03	21.30	33.00
			H	14.77	10.93	-8.03	17.67	33.00
LTE BAND 41 BW: 15M 16QAM RB: 1,0	2503.5	39725	V	19.20	10.70	-7.83	22.07	33.00
			H	19.55	10.70	-7.83	22.42	33.00
	2593.0	40620	V	15.85	10.80	-7.93	18.73	33.00
			H	18.11	10.80	-7.92	20.99	33.00
	2682.5	41515	V	18.95	10.91	-8.02	21.84	33.00
			H	15.55	10.91	-8.02	18.44	33.00
LTE BAND 41 BW: 15M 16QAM RB: 1,74	2503.5	39725	V	19.61	10.71	-7.84	22.48	33.00
			H	21.55	10.71	-7.84	<b>24.42</b>	33.00
	2593.0	40620	V	16.06	10.82	-7.94	18.94	33.00
			H	18.34	10.82	-7.94	21.22	33.00
	2682.5	41515	V	17.54	10.93	-8.03	20.44	33.00
			H	14.08	10.93	-8.03	16.97	33.00
<b>Remark</b>								
: ( 1 )The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 41 BW: 20M QPSK RB: 1,0	2506.0	39750	V	19.70	10.70	-7.83	22.57	33.00
			H	21.96	10.70	-7.83	24.83	33.00
	2593.0	40620	V	15.93	10.80	-7.92	18.81	33.00
			H	19.11	10.80	-7.92	21.98	33.00
	2680.0	41490	V	19.11	10.91	-8.01	22.00	33.00
			H	16.41	10.91	-8.01	19.30	33.00
LTE BAND 41 BW: 20M QPSK RB: 1,99	2506.0	39750	V	19.21	10.72	-7.85	22.08	33.00
			H	22.96	10.72	-7.85	25.84	33.00
	2593.0	40620	V	16.66	10.82	-7.94	19.54	33.00
			H	19.57	10.82	-7.94	22.45	33.00
	2680.0	41490	V	18.17	10.93	-8.03	21.07	33.00
			H	16.41	10.93	-8.03	19.31	33.00
LTE BAND 41 BW: 20M 16QAM RB: 1,0	2506.0	39750	V	19.01	10.70	-7.83	21.88	33.00
			H	21.84	10.70	-7.83	24.71	33.00
	2593.0	40620	V	15.57	10.80	-7.92	18.45	33.00
			H	19.36	10.80	-7.92	22.24	33.00
	2680.0	41490	V	18.81	10.91	-8.01	21.70	33.00
			H	15.93	10.91	-8.01	18.82	33.00
LTE BAND 41 BW: 20M 16QAM RB: 1,99	2506.0	39750	V	19.47	10.72	-7.85	22.34	33.00
			H	23.18	10.72	-7.85	<b>26.05</b>	33.00
	2593.0	40620	V	16.72	10.82	-7.94	19.60	33.00
			H	19.53	10.82	-7.94	22.41	33.00
	2680.0	41490	V	18.45	10.93	-8.03	21.35	33.00
			H	15.63	10.93	-8.03	18.53	33.00
<b>Remark</b>								
: ( 1 )The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 66	1710.7	131979	V	21.98	8.98	-6.58	24.38	30.00
			H	24.93	8.98	-6.58	27.34	30.00
BW: 1.4M	1745.0	132322	V	22.29	9.13	-6.65	24.77	30.00
			H	23.49	9.13	-6.65	25.97	30.00
QPSK RB: 1,0	1779.3	132665	V	22.93	9.27	-6.72	25.48	30.00
			H	22.86	9.27	-6.72	25.41	30.00
LTE BAND 66	1710.7	131979	V	20.45	8.99	-6.58	22.86	30.00
			H	24.31	8.99	-6.58	26.72	30.00
BW: 1.4M	1745.0	132322	V	21.95	9.13	-6.65	24.43	30.00
			H	22.75	9.13	-6.65	25.23	30.00
QPSK RB: 1,5	1779.3	132665	V	22.39	9.27	-6.72	24.94	30.00
			H	21.82	9.27	-6.72	24.38	30.00
LTE BAND 66	1710.7	131979	V	20.92	8.98	-6.58	23.32	30.00
			H	24.95	8.98	-6.58	<b>27.35</b>	30.00
BW: 1.4M	1745.0	132322	V	21.99	9.13	-6.65	24.46	30.00
			H	23.88	9.13	-6.65	26.36	30.00
16QAM RB: 1,0	1779.3	132665	V	22.37	9.27	-6.72	24.92	30.00
			H	21.88	9.27	-6.72	24.43	30.00
LTE BAND 66	1710.7	131979	V	20.80	8.99	-6.58	23.20	30.00
			H	24.79	8.98	-6.58	27.19	30.00
BW: 1.4M	1745.0	132322	V	22.33	9.13	-6.65	24.81	30.00
			H	23.66	9.13	-6.65	26.14	30.00
16QAM RB: 1,5	1779.3	132665	V	22.03	9.27	-6.72	24.59	30.00
			H	22.20	9.27	-6.72	24.75	30.00
<b>Remark</b>								
: ( 1 )The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 66 BW: 3M QPSK RB: 1,0	1711.5	131987	V	20.88	8.97	-6.57	23.27	30.00
			H	20.10	8.98	-6.58	22.50	30.00
	1745.0	132322	V	21.16	9.12	-6.65	23.64	30.00
			H	19.89	9.12	-6.65	22.36	30.00
1778.5	132657	V	21.69	9.26	-6.71	<b>24.24</b>	30.00	
		H	17.44	9.26	-6.71	19.99	30.00	
LTE BAND 66 BW: 3M QPSK RB: 1,14	1711.5	131987	V	19.72	8.99	-6.59	22.13	30.00
			H	19.62	8.99	-6.59	22.03	30.00
	1745.0	132322	V	20.67	9.13	-6.65	23.15	30.00
			H	19.52	9.13	-6.65	22.01	30.00
1778.5	132657	V	21.42	9.28	-6.72	23.97	30.00	
		H	17.19	9.28	-6.72	19.75	30.00	
LTE BAND 66 BW: 3M 16QAM RB: 1,0	1711.5	131987	V	20.92	8.98	-6.58	23.33	30.00
			H	20.01	8.98	-6.58	22.42	30.00
	1745.0	132322	V	21.06	9.12	-6.65	23.53	30.00
			H	20.05	9.12	-6.65	22.53	30.00
1778.5	132657	V	21.72	9.27	-6.71	24.27	30.00	
		H	17.47	9.26	-6.71	20.02	30.00	
LTE BAND 66 BW: 3M 16QAM RB: 1,14	1711.5	131987	V	20.85	8.99	-6.59	23.26	30.00
			H	20.30	8.99	-6.59	22.71	30.00
	1745.0	132322	V	21.24	9.14	-6.65	23.73	30.00
			H	19.84	9.13	-6.65	22.32	30.00
1778.5	132657	V	21.72	9.27	-6.72	<b>24.28</b>	30.00	
		H	17.20	9.27	-6.72	19.76	30.00	
<b>Remark</b>								
: ( 1 )The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 66 BW: 5M QPSK RB: 1,0	1712.5	131997	V	20.10	8.98	-6.58	22.50	30.00
			H	19.72	8.99	-6.58	22.12	30.00
	1745.0	132322	V	20.31	9.12	-6.65	22.78	30.00
			H	19.58	9.12	-6.65	22.06	30.00
1777.5	132647	V	21.23	9.26	-6.71	23.78	30.00	
		H	16.60	9.25	-6.71	19.14	30.00	
LTE BAND 66 BW: 5M QPSK RB: 1,24	1712.5	131997	V	20.27	9.00	-6.59	22.68	30.00
			H	19.57	9.00	-6.59	21.99	30.00
	1745.0	132322	V	21.16	9.14	-6.65	23.65	30.00
			H	19.06	9.14	-6.65	21.54	30.00
1777.5	132647	V	21.22	9.27	-6.72	23.77	30.00	
		H	16.59	9.27	-6.72	19.14	30.00	
LTE BAND 66 BW: 5M 16QAM RB: 1,0	1712.5	131997	V	20.67	8.98	-6.58	23.08	30.00
			H	20.33	8.98	-6.58	22.73	30.00
	1745.0	132322	V	20.67	9.13	-6.65	23.14	30.00
			H	19.57	9.11	-6.64	22.04	30.00
1777.5	132647	V	21.10	9.26	-6.71	23.65	30.00	
		H	16.90	9.26	-6.71	19.44	30.00	
LTE BAND 66 BW: 5M 16QAM RB: 1,24	1712.5	131997	V	20.99	9.00	-6.59	23.40	30.00
			H	20.29	9.00	-6.59	22.70	30.00
	1745.0	132322	V	21.32	9.14	-6.65	23.80	30.00
			H	19.78	9.14	-6.65	22.27	30.00
1777.5	132647	V	22.03	9.27	-6.72	<b>24.58</b>	30.00	
		H	17.08	9.28	-6.72	19.64	30.00	
<b>Remark</b>								
: ( 1 )The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 66 BW: 10M QPSK RB: 1,0	1715.0	132022	V	20.12	8.98	-6.58	22.53	30.00
			H	19.65	8.98	-6.58	22.05	30.00
	1745.0	132322	V	20.31	9.11	-6.64	22.78	30.00
			H	18.93	9.11	-6.64	21.40	30.00
	1775.0	132622	V	20.69	9.24	-6.70	23.23	30.00
			H	16.15	9.24	-6.70	18.69	30.00
LTE BAND 66 BW: 10M QPSK RB: 1,49	1715.0	132022	V	20.30	9.02	-6.60	22.72	30.00
			H	19.38	9.02	-6.60	21.81	30.00
	1745.0	132322	V	21.04	9.15	-6.66	<b>23.53</b>	30.00
			H	19.14	9.15	-6.66	21.63	30.00
	1775.0	132622	V	20.90	9.27	-6.72	23.45	30.00
			H	16.59	9.27	-6.72	19.14	30.00
LTE BAND 66 BW: 10M 16QAM RB: 1,0	1715.0	132022	V	20.65	8.98	-6.58	23.05	30.00
			H	20.19	8.98	-6.58	22.59	30.00
	1745.0	132322	V	20.35	9.11	-6.64	22.82	30.00
			H	19.14	9.11	-6.64	21.61	30.00
	1775.0	132622	V	21.18	9.24	-6.70	23.72	30.00
			H	16.35	9.24	-6.70	18.88	30.00
LTE BAND 66 BW: 10M 16QAM RB: 1,49	1715.0	132022	V	20.29	9.02	-6.60	22.71	30.00
			H	19.55	9.02	-6.60	21.97	30.00
	1745.0	132322	V	21.62	9.15	-6.66	<b>24.11</b>	30.00
			H	19.84	9.15	-6.66	22.33	30.00
	1775.0	132622	V	21.30	9.27	-6.72	23.85	30.00
			H	16.89	9.27	-6.72	19.44	30.00
<b>Remark</b>								
: ( 1 )The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 66 BW: 15M QPSK RB: 1,0	1717.5	132047	V	20.07	8.99	-6.58	22.48	30.00
			H	19.54	8.99	-6.58	21.94	30.00
	1745.0	132322	V	20.26	9.10	-6.64	22.72	30.00
			H	18.69	9.10	-6.64	21.15	30.00
	1772.5	132597	V	20.73	9.22	-6.69	23.26	30.00
			H	16.18	9.21	-6.69	18.71	30.00
LTE BAND 66 BW: 15M QPSK RB: 1,74	1717.5	132047	V	20.33	9.04	-6.61	22.76	30.00
			H	18.86	9.04	-6.61	21.29	30.00
	1745.0	132322	V	21.14	9.16	-6.66	23.64	30.00
			H	19.26	9.16	-6.66	21.75	30.00
	1772.5	132597	V	21.24	9.27	-6.72	23.80	30.00
			H	16.31	9.27	-6.72	18.86	30.00
LTE BAND 66 BW: 15M 16QAM RB: 1,0	1717.5	132047	V	20.75	8.99	-6.58	23.16	30.00
			H	20.47	8.99	-6.58	22.88	30.00
	1745.0	132322	V	20.30	9.10	-6.64	22.77	30.00
			H	18.69	9.10	-6.64	21.16	30.00
	1772.5	132597	V	20.75	9.22	-6.69	23.27	30.00
			H	16.43	9.22	-6.69	18.95	30.00
LTE BAND 66 BW: 15M 16QAM RB: 1,74	1717.5	132047	V	19.84	9.04	-6.61	22.28	30.00
			H	18.24	9.04	-6.61	20.67	30.00
	1745.0	132322	V	21.55	9.16	-6.66	24.04	30.00
			H	20.02	9.16	-6.66	22.51	30.00
	1772.5	132597	V	21.49	9.27	-6.72	<b>24.04</b>	30.00
			H	17.18	9.27	-6.72	19.73	30.00
<b>Remark</b>								
:							( 1 )The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 66 BW: 20M QPSK RB: 1,0	1720.0	132072	V	20.19	8.99	-6.58	22.60	30.00
			H	19.52	8.98	-6.58	21.92	30.00
	1745.0	132322	V	20.45	9.09	-6.63	22.91	30.00
			H	19.07	9.09	-6.63	21.53	30.00
	1770.0	132572	V	21.12	9.19	-6.68	23.63	30.00
			H	17.92	9.19	-6.68	20.43	30.00
LTE BAND 66 BW: 20M QPSK RB: 1,99	1720.0	132072	V	20.36	9.06	-6.62	22.80	30.00
			H	17.95	9.06	-6.62	20.39	30.00
	1745.0	132322	V	21.04	9.17	-6.67	23.54	30.00
			H	18.73	9.17	-6.67	21.23	30.00
	1770.0	132572	V	21.16	9.27	-6.72	23.71	30.00
			H	16.24	9.27	-6.72	18.79	30.00
LTE BAND 66 BW: 20M 16QAM RB: 1,0	1720.0	132072	V	20.99	8.99	-6.58	23.39	30.00
			H	20.60	8.99	-6.58	23.01	30.00
	1745.0	132322	V	20.22	9.09	-6.63	22.68	30.00
			H	18.58	9.09	-6.63	21.04	30.00
	1770.0	132572	V	21.00	9.20	-6.68	23.51	30.00
			H	17.97	9.20	-6.68	20.48	30.00
LTE BAND 66 BW: 20M 16QAM RB: 1,99	1720.0	132072	V	19.88	9.06	-6.62	22.33	30.00
			H	17.45	9.06	-6.62	19.90	30.00
	1745.0	132322	V	21.29	9.17	-6.67	23.79	30.00
			H	19.59	9.17	-6.67	22.09	30.00
	1770.0	132572	V	21.63	9.27	-6.72	<b>24.18</b>	30.00
			H	17.23	9.27	-6.72	19.79	30.00
<b>Remark</b>								
: (1)The RBW,VBW of SPA for frequency RBW= 8MHz , 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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

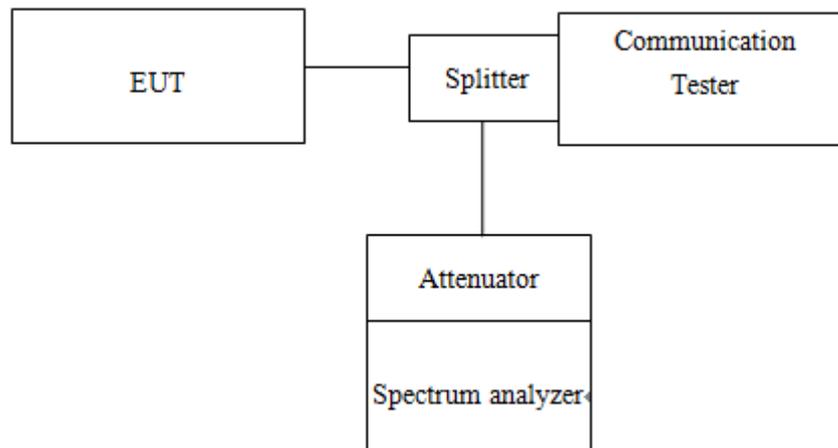
Member of SGS Group

## 8. OCCUPIED BANDWIDTH MEASUREMENT

### 8.1. Standard Applicable

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power.

### 8.2. Test Set-up



### 8.3. Measurement Procedure

#### **99% &26dB Bandwidth with detector peak**

The EUT's output RF connector was connected with a short cable to the spectrum analyzer, RBW was set to about 1% of emission BW, VBW= 3 times RBW, -26dBc display line was placed on the screen (or 26dB bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace. Then set RBW to 99% bandwidth, RBW= 1%, VBW= 3 RBW, with span > 2 \* Signal BW, set % Power = 99%.

#### **99% Bandwidth with detector sample**

The EUT's output RF connector was connected with a short cable to the spectrum analyzer, RBW was set to about 1% ~ 5% of emission BW, VBW= 3 times RBW, -20dBc display line was placed on the screen (or 20dB bandwidth). Set RBW to 99% bandwidth, RBW= 1% ~ 5%, VBW= 3 RBW, with span > 2 \* Signal BW, set % Power = 99%.

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

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

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

#### 8.4. Measurement Equipment Used

Conducted Emission (measured at antenna port) Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	06/20/2017	06/19/2018
Communication Tester	Anritsu	MT8820C	6201107337	05/25/2017	05/24/2018
Coaxial Cable 30cm	WOKEN	00100A1F1A 195C	RF01	12/12/2016	12/11/2017
Temperature Chamber	TERCHY	MHK-120LK	1020582	06/13/2017	06/12/2018
DC Block	PASTERNAK	PE8210	RF29	12/12/2016	12/11/2017
Splitter	RF-LAMBAD	RFLT2W1G1 8G	RF35	12/12/2016	12/11/2017
Attenuator	WOKEN	218FS-10	RF23	12/12/2016	12/11/2017
DC Power Supply	Agilent	E3640A	MY53140006	05/02/2017	05/01/2018

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

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

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

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](http://www.tw.sgs.com)

Member of SGS Group

### 8.5. Measurement Result

Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		WCDMA II	HSDPA II	HSUPA II	WCDMA II	HSDPA II	HSUPA II
1850.20	9262	4.0591	4.0548	4.0534	4.610	4.604	4.606
1880.00	9400	4.0688	<b>4.0608</b>	4.0555	4.597	<b>4.616</b>	<b>4.617</b>
1909.80	9538	<b>4.0754</b>	4.0589	<b>4.0642</b>	<b>4.619</b>	4.569	4.612

Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		WCDMA IV	HSDPA IV	HSUPA IV	WCDMA IV	HSDPA IV	HSUPA IV
1712.40	1312	4.0611	4.0498	4.0569	<b>4.616</b>	4.585	4.592
1732.60	1413	<b>4.0692</b>	4.0557	4.0531	4.610	4.594	4.588
1752.60	1513	4.0643	<b>4.0575</b>	<b>4.0584</b>	4.593	<b>4.598</b>	<b>4.596</b>

Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		WCDMA V	HSDPA V	HSUPA V	WCDMA V	HSDPA V	HSUPA V
826.40	4132	4.0523	4.0469	4.0488	4.591	4.593	4.603
836.60	4183	<b>4.0750</b>	<b>4.0734</b>	4.0655	<b>4.604</b>	4.588	4.602
846.60	4233	4.0435	4.0699	<b>4.0711</b>	4.594	<b>4.640</b>	<b>4.971</b>

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

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

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

LTE BAND 2 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1850.7	18607	1.1147	1.1139	1.322	1.319
1880.0	18900	1.1131	1.1136	1.319	1.326
1909.3	19193	1.1154	1.1135	1.324	1.324

LTE BAND 2 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1851.5	18615	2.7265	2.7243	3.064	3.055
1880.0	18900	2.7199	2.7260	3.069	3.060
1908.5	19185	2.7277	2.7282	3.065	3.063

LTE BAND 2 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1852.5	18625	4.5320	4.5144	5.116	5.043
1880.0	18900	4.5177	4.5176	5.108	5.078
1907.5	19175	4.5275	4.5266	5.144	5.059

LTE BAND 2 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1855.0	18650	9.0574	9.0613	10.546	10.553
1880.0	18900	9.0805	9.0720	10.521	10.576
1905.0	19150	9.0749	9.0709	10.535	10.554

LTE BAND 2 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1857.5	18675	13.525	13.501	15.82	15.51
1880.0	18900	13.540	13.542	15.63	15.58
1902.5	19125	13.528	13.508	15.60	15.81

LTE BAND 2 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1860.0	18700	18.004	17.968	20.04	20.07
1880.0	18900	18.097	18.034	20.16	20.14
1900.0	19100	18.051	17.970	19.88	20.21

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

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

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

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

LTE BAND 4 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1710.7	19957	1.1144	1.1131	1.331	1.325
1732.5	20175	1.1171	1.1119	1.327	1.325
1754.3	20393	1.1200	1.1129	1.334	1.323

LTE BAND 4 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1711.5	19965	2.7257	2.7237	3.046	3.070
1732.5	20175	2.7223	2.7266	3.059	3.045
1753.5	20385	2.7210	2.7236	3.059	3.055

LTE BAND 4 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1712.5	19957	4.5219	4.5216	5.038	5.100
1732.5	20175	4.5242	4.5249	5.069	5.051
1752.5	20375	4.5140	4.5238	5.098	5.086

LTE BAND 4 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1715.0	20000	9.0702	9.0610	10.454	10.612
1732.5	20175	9.0809	9.0779	10.617	10.599
1750.0	20350	9.0559	9.0562	10.535	10.538

LTE BAND 4 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1717.5	20025	13.537	13.539	15.61	15.72
1732.5	20175	13.517	13.517	15.60	15.88
1747.5	20325	13.485	13.491	15.51	15.63

LTE BAND 4 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1720.0	20050	18.031	18.005	19.96	20.13
1732.5	20175	18.041	18.016	20.24	20.19
1745.0	20300	17.942	17.985	19.93	19.97

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

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

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

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

LTE BAND 5 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
824.7	20407	1.1165	1.1174	1.329	1.339
836.5	20525	1.1190	1.1115	1.324	1.329
848.3	20643	1.1191	1.1133	1.325	1.325

LTE BAND 5 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
825.5	20415	2.7173	2.7211	3.062	3.073
836.5	20525	2.7282	2.7215	3.055	3.047
847.5	20635	2.7178	2.7202	3.051	3.033

LTE BAND 5 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
826.5	20425	4.5072	4.5243	5.063	5.093
836.5	20525	4.5174	4.5276	5.093	5.135
846.5	20625	4.5144	4.5216	5.048	5.398

LTE BAND 5 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
829.0	20450	8.9970	9.0290	10.373	10.411
836.5	20525	9.0976	9.1126	10.595	10.592
844.0	20600	8.9567	8.9888	10.297	10.339

LTE BAND 7 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2502.5	20775	4.5320	4.5266	5.132	5.093
2535.0	21100	4.5415	4.5479	5.119	5.105
2567.5	21425	4.5338	4.5444	5.101	5.031

LTE BAND 7 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2505.0	20800	9.1175	9.0833	10.545	10.631
2535.0	21100	9.0899	9.1023	10.524	10.436
2565.0	21400	9.0803	9.1030	10.573	10.489

LTE BAND 7 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2507.5	20825	13.5500	13.5910	15.811	15.785
2535.0	21100	13.5350	13.5400	15.516	15.849
2562.5	21375	13.5420	13.5940	15.645	15.786

LTE BAND 7 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2510.0	20850	18.0750	18.0490	20.516	20.231
2535.0	21100	18.0090	17.9990	20.118	19.908
2560.0	21350	18.0680	18.0200	20.262	20.074

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

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

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

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

LTE BAND 12 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
699.7	23017	1.1147	1.1128	1.320	1.323
707.5	23095	1.1130	<b>1.1162</b>	<b>1.331</b>	1.329
715.3	23173	<b>1.1170</b>	1.1117	1.325	<b>1.336</b>

LTE BAND 12 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
700.5	23025	2.7194	2.7167	3.047	<b>3.058</b>
707.5	23095	<b>2.7302</b>	<b>2.7258</b>	3.057	3.055
714.5	23165	2.7206	2.7252	<b>3.061</b>	3.046

LTE BAND 12 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
701.5	23035	4.5083	4.5237	5.050	5.071
707.5	23095	<b>4.5306</b>	<b>4.5325</b>	<b>5.101</b>	<b>5.097</b>
713.5	23155	4.5104	4.5071	5.010	5.048

LTE BAND 12 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
704.0	23060	<b>9.1128</b>	<b>9.1450</b>	<b>10.608</b>	<b>10.643</b>
707.5	23095	9.0814	9.1021	10.434	10.510
711.0	23130	8.9882	8.9900	10.384	10.341

LTE BAND 13 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
701.5	23035	<b>4.532</b>	<b>4.535</b>	<b>5.088</b>	5.079
707.5	23095	4.517	4.525	5.079	<b>5.095</b>
713.5	23155	4.511	4.520	5.077	5.063

LTE BAND 13 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
782.0	23230	<b>9.0401</b>	<b>9.0587</b>	<b>10.472</b>	<b>10.479</b>

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

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

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

LTE BAND 17 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
706.5	23755	4.5376	4.5318	5.088	5.146
710.0	23790	4.5162	4.5303	5.057	5.031
713.5	23825	4.5090	4.5133	5.051	5.067

LTE BAND 17 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
709.0	23780	9.0444	9.0137	10.487	10.426
710.0	23790	8.9836	8.9724	10.474	10.391
711.0	23780	9.0010	8.9848	10.406	10.332

LTE BAND 26 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
824.7	26797	1.1106	1.1173	1.323	1.328
836.5	26915	1.1106	1.1165	1.323	1.326
848.3	27033	1.1124	1.1191	1.324	1.326

LTE BAND 26 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
825.5	26805	2.7317	2.7249	3.059	3.051
836.5	26915	2.7266	2.7195	3.047	3.048
847.5	27025	2.7217	2.7230	3.046	3.063

LTE BAND 26 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
826.5	26815	4.5475	4.5266	5.091	5.053
836.5	26915	4.5448	4.5366	5.114	5.094
846.5	27015	4.5330	4.5088	5.073	5.080

LTE BAND 26 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
829.0	26840	9.1692	9.1473	10.670	10.620
836.5	26915	9.1064	9.0755	10.610	10.550
844.0	26990	8.9916	8.9689	10.398	10.378

LTE BAND 26 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
831.5	26865	13.511	13.530	15.50	15.21
836.5	26915	13.527	13.559	15.36	15.65
841.5	26965	13.488	13.467	15.21	15.17

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](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

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

LTE BAND 26 for part 90S Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
814.7	26697	1.1153	1.1199	1.331	1.331
819.0	26740	1.1111	1.1199	1.312	1.324
823.3	26783	1.1128	1.1268	1.325	1.325

LTE BAND 26 for part 90S Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
815.5	26705	2.7228	2.7203	3.042	3.065
819.0	26740	2.7172	2.7244	3.057	3.064
822.5	26775	2.7169	2.7359	3.052	3.048

LTE BAND 26 for part 90S Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
816.5	26715	4.5267	4.5403	5.115	5.108
819.0	26740	4.5336	4.5507	5.144	5.121
821.5	26765	4.5494	4.5378	5.095	5.051

LTE BAND 26 for part 90S Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
819.0	26740	9.1588	9.1650	10.650	10.650

LTE BAND 30 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2307.5	27685	4.5286	4.5337	5.074	5.089
2310.0	27710	4.5159	4.5184	5.109	5.088
2312.5	27735	4.5118	4.5189	5.104	5.104

LTE BAND 30 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2310.0	27710	9.0424	9.1001	10.500	10.480

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

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

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

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

LTE BAND 38 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2572.5	37775	4.5116	4.5227	5.297	5.321
2595.0	38000	4.5192	4.5262	5.323	5.598
2617.5	38225	4.5156	4.5146	5.049	5.476

LTE BAND 38 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2575.0	37800	9.0628	9.0468	10.500	10.560
2595.0	38000	9.0497	9.0527	10.490	10.410
2615.0	38200	9.0683	9.0641	10.540	10.590

LTE BAND 38 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2577.5	37825	13.514	13.500	15.38	15.31
2595.0	38000	13.533	13.493	15.45	15.42
2612.5	38175	13.521	13.520	15.61	15.61

LTE BAND 38 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2580.0	37850	18.006	17.958	20.19	19.85
2595.0	38000	17.984	17.952	20.17	19.93
2610.0	38150	17.964	17.942	20.09	19.69

LTE BAND 41 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2498.5	39675	4.5473	4.5291	5.123	5.563
2593.0	40620	4.5149	4.5334	5.123	5.609
2687.5	41565	4.5350	4.5436	5.282	6.037

LTE BAND 41 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2501.0	39700	9.0678	9.0544	10.590	10.510
2593.0	40620	9.0568	9.0852	10.520	10.490
2685.0	41540	9.0371	9.0748	10.510	10.390

LTE BAND 41 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2503.5	39725	13.525	13.512	15.36	15.44
2593.0	40620	13.519	13.523	15.41	15.58
2682.5	41515	13.508	13.508	15.59	16.17

LTE BAND 41 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2506.0	39750	18.007	17.970	20.22	19.92
2593.0	40620	17.971	17.990	19.85	20.04
2680.0	41490	17.956	17.968	20.06	19.91

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

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

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

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

LTE BAND 66 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1710.7	131979	1.1083	1.1152	1.326	1.323
1745.0	132322	1.1160	1.1170	1.331	1.320
1779.3	132665	1.1149	1.1207	1.329	1.328

LTE BAND 66 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1711.5	131987	2.7261	2.7291	3.034	3.056
1745.0	132322	2.7288	2.7299	3.049	3.070
1778.5	132657	2.7212	2.7223	3.050	3.047

LTE BAND 66 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1712.5	131997	4.5195	4.5259	5.117	5.083
1745.0	132322	4.5100	4.5264	5.132	5.121
1777.5	132647	4.5238	4.5184	5.129	5.066

LTE BAND 66 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1715.0	132022	9.0444	9.0595	10.560	10.530
1745.0	132322	9.0679	9.0670	10.490	10.500
1775.0	132622	9.0370	9.0558	10.550	10.490

LTE BAND 66 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1717.5	132047	13.505	13.515	15.45	15.58
1745.0	132322	13.515	13.485	15.71	15.62
1772.5	132597	13.471	13.444	15.26	15.33

LTE BAND 66 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1720.0	132072	17.971	18.011	20.00	20.15
1745.0	132322	17.977	17.978	20.17	19.98
1770.0	132572	17.947	17.919	19.86	19.84

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

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

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

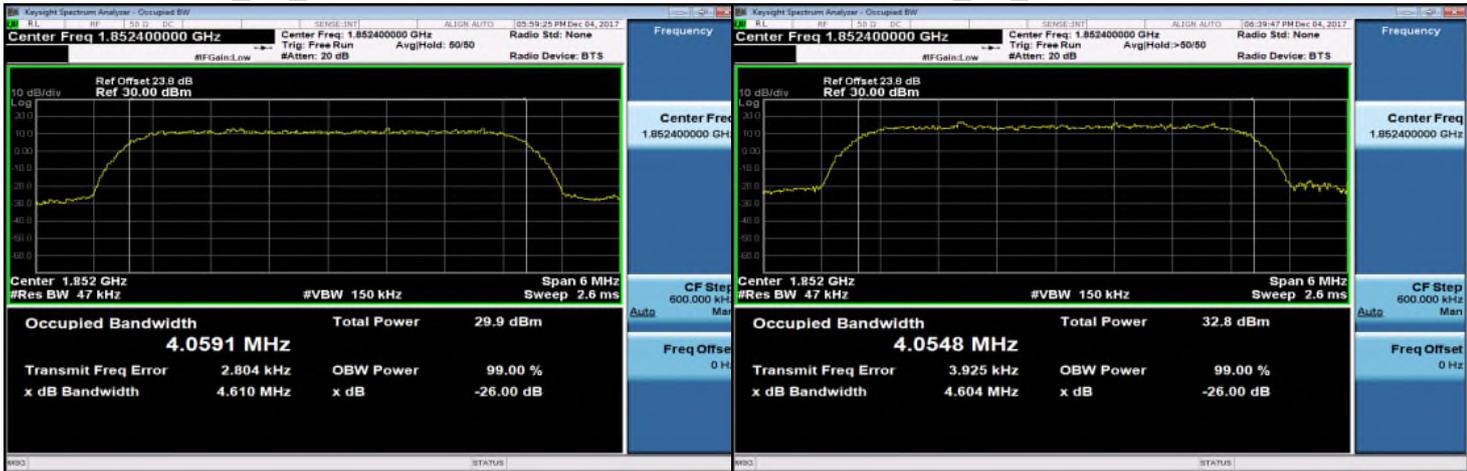
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

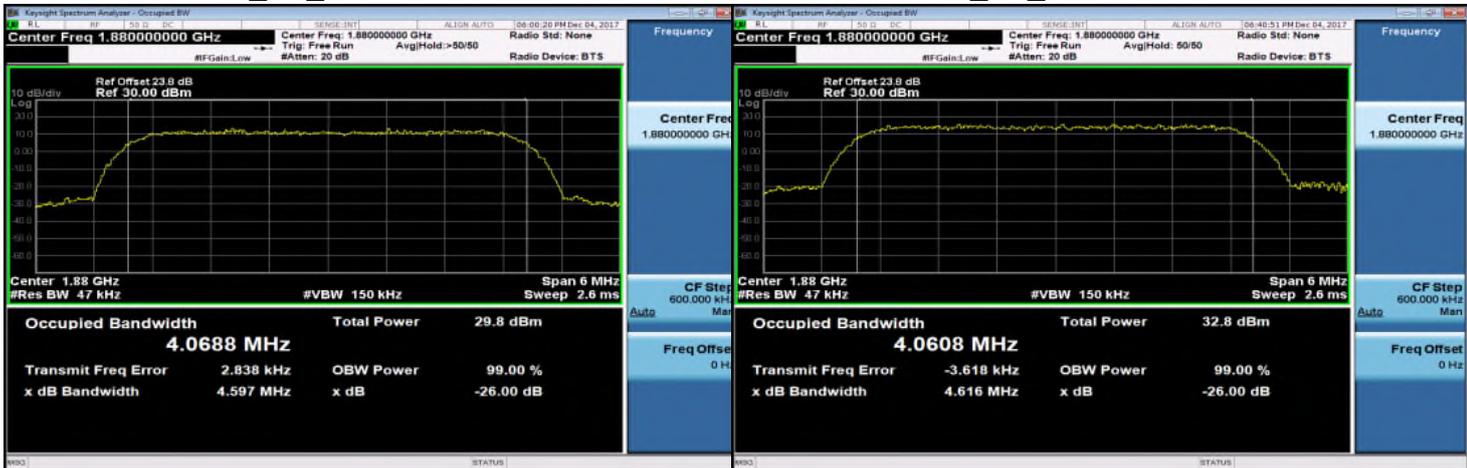
WCDMA\_B2\_LowCH9262-1852.4

HSDPA\_B2\_LowCH9262-1852.4



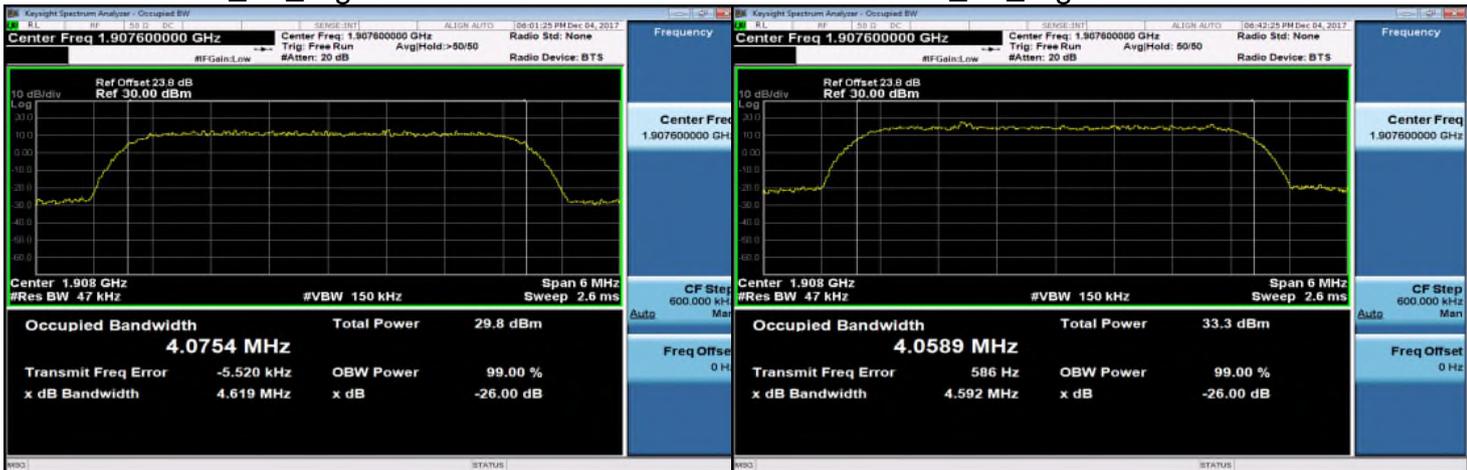
WCDMA\_B2\_MidCH9400-1880

HSDPA\_B2\_MidCH9400-1880



WCDMA\_B2\_HighCH9538-1907.6

HSDPA\_B2\_HighCH9538-1907.6



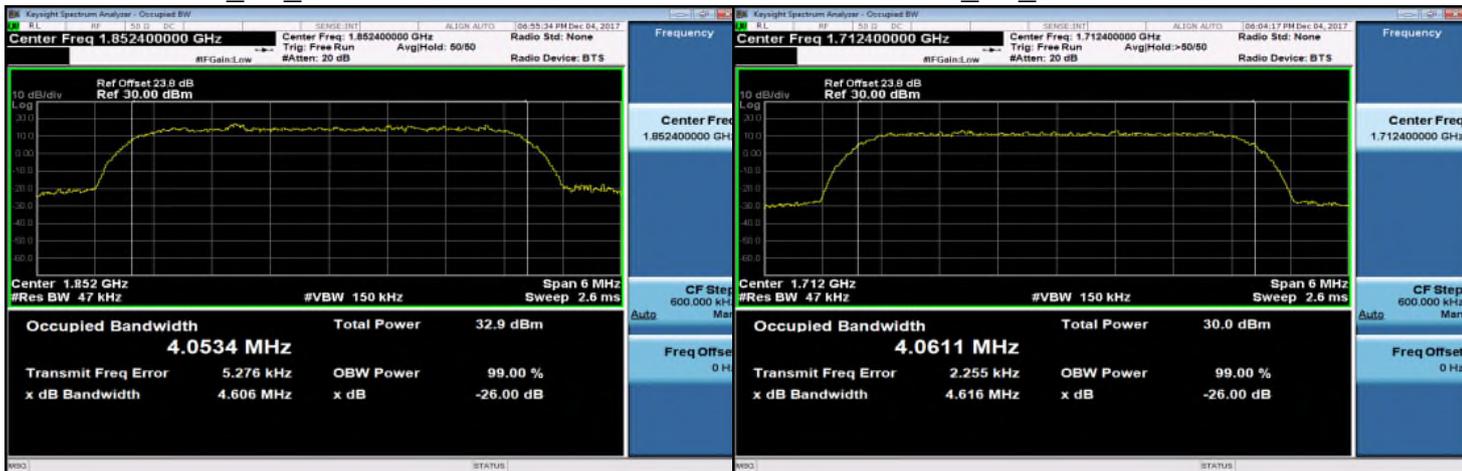
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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

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

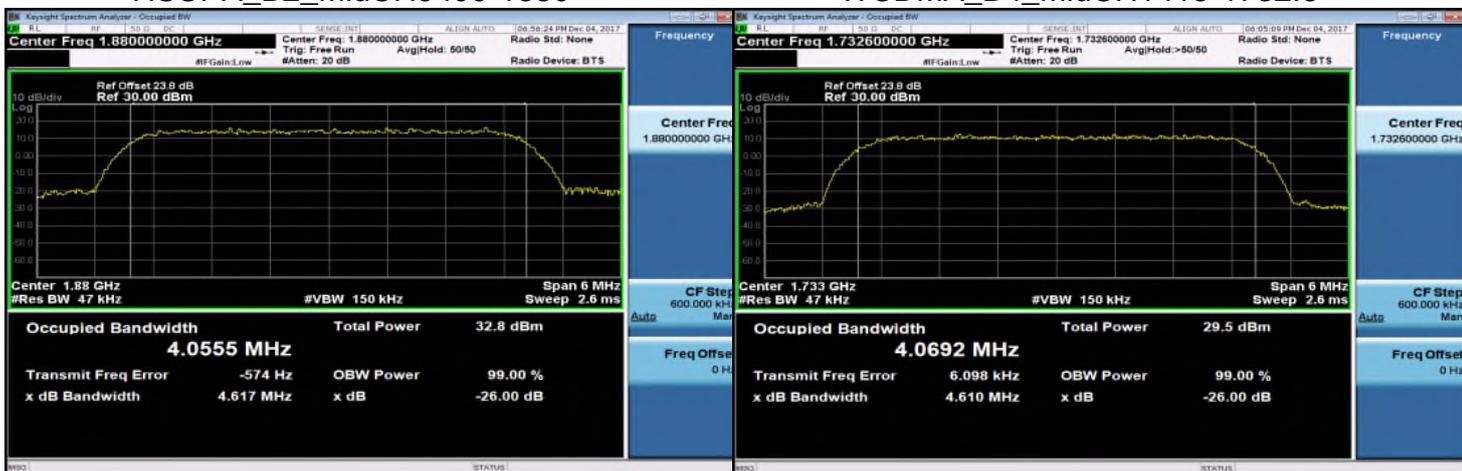
HSUPA\_B2\_LowCH9262-1852.4

WCDMA\_B4\_LowCH1312-1712.4



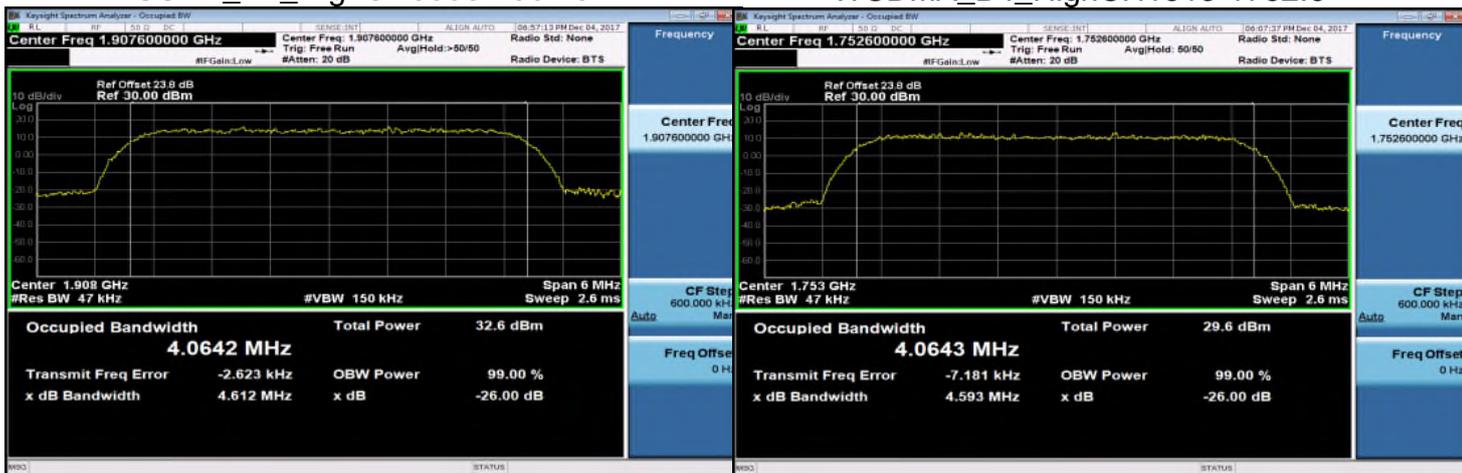
HSUPA\_B2\_MidCH9400-1880

WCDMA\_B4\_MidCH1413-1732.6



HSUPA\_B2\_HighCH9538-1907.6

WCDMA\_B4\_HighCH1513-1752.6



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

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

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

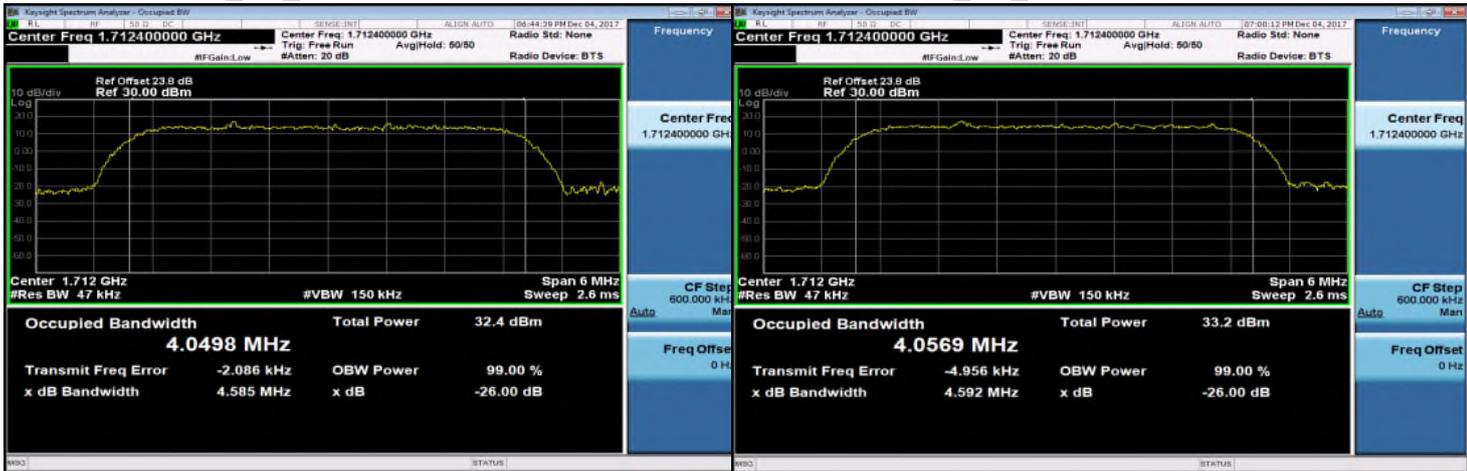
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

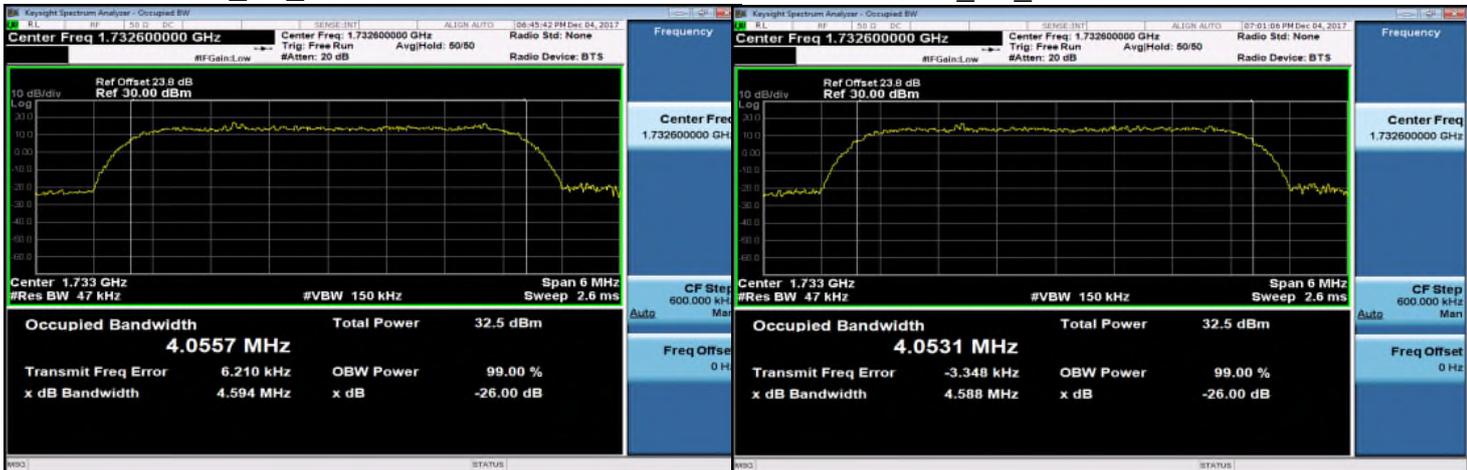
HSDPA\_B4\_LowCH1312-1712.4

HSUPA\_B4\_LowCH1312-1712.4



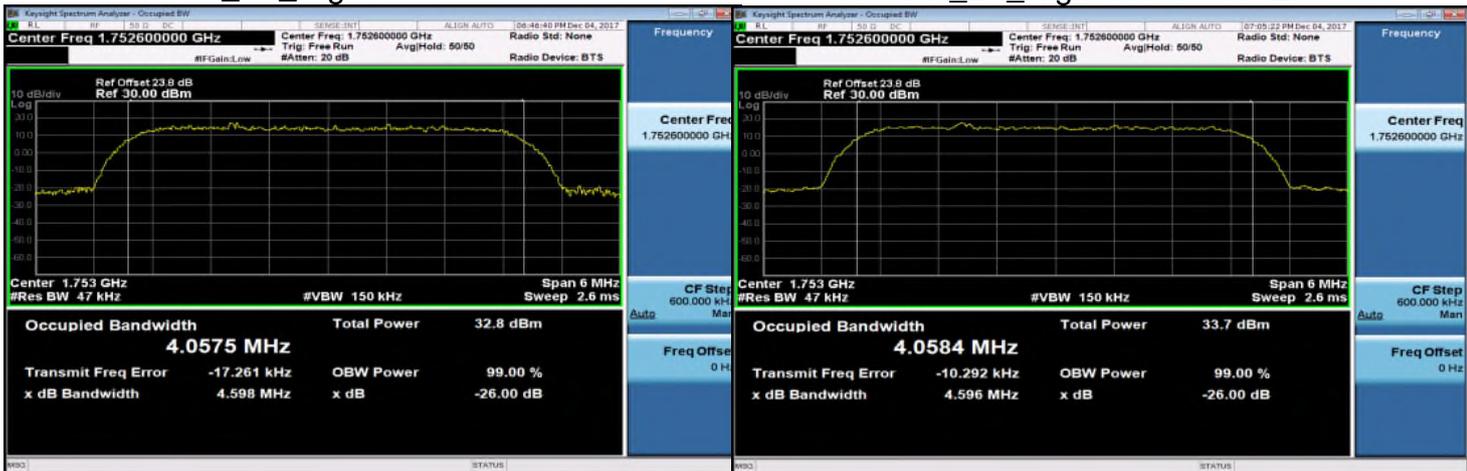
HSDPA\_B4\_MidCH1413-1732.6

HSUPA\_B4\_MidCH1413-1732.6



HSDPA\_B4\_HighCH1513-1752.6

HSUPA\_B4\_HighCH1513-1752.6



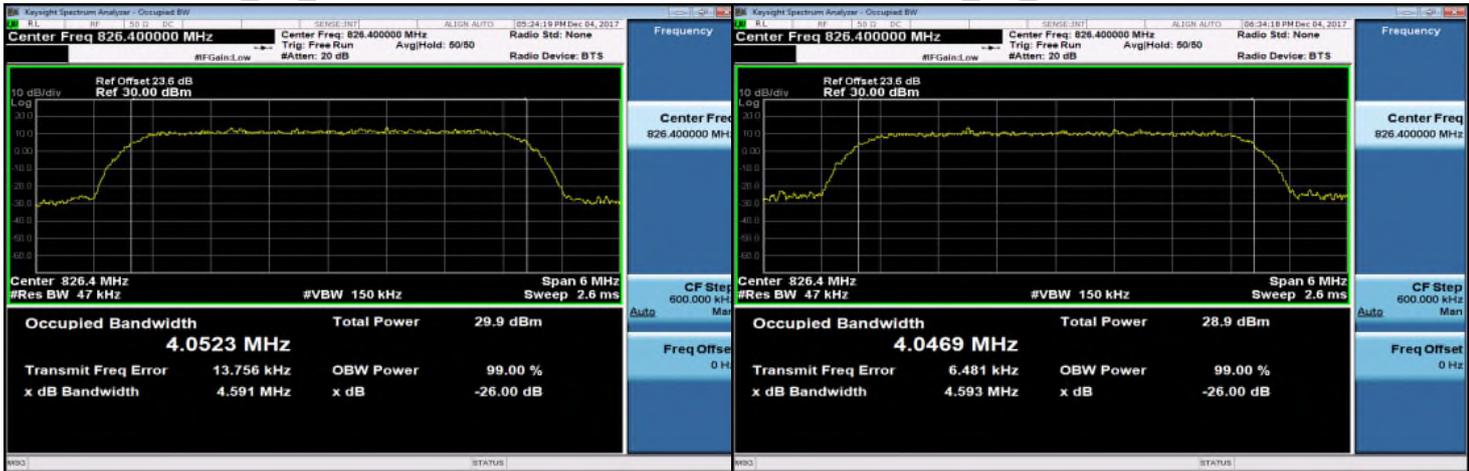
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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

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

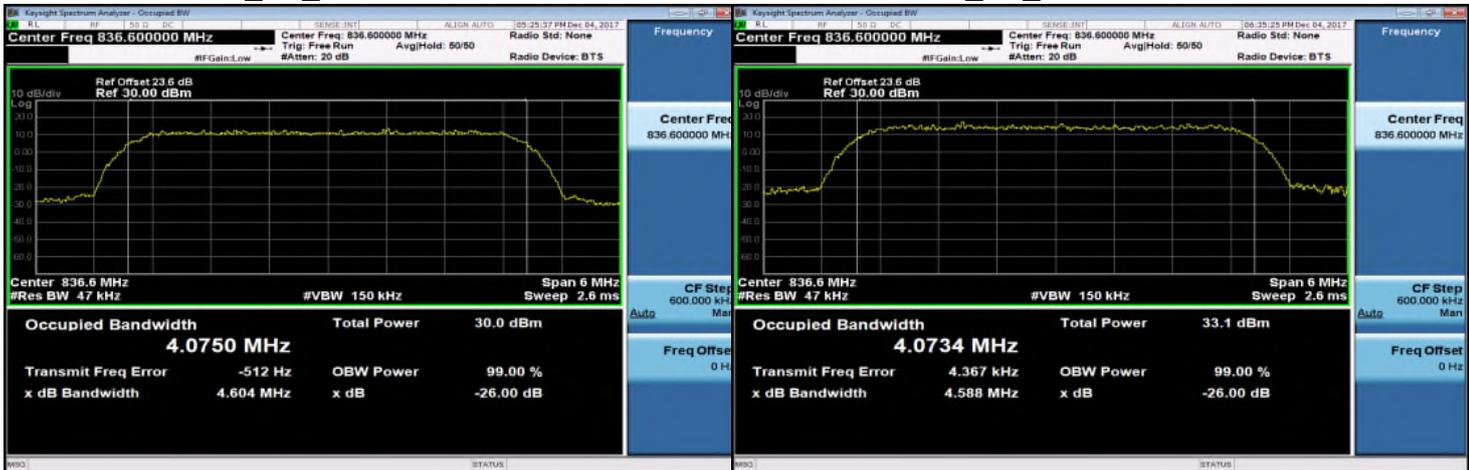
WCDMA\_B5\_LowCH4132-826.4

HSDPA\_B5\_LowCH4132-826.4



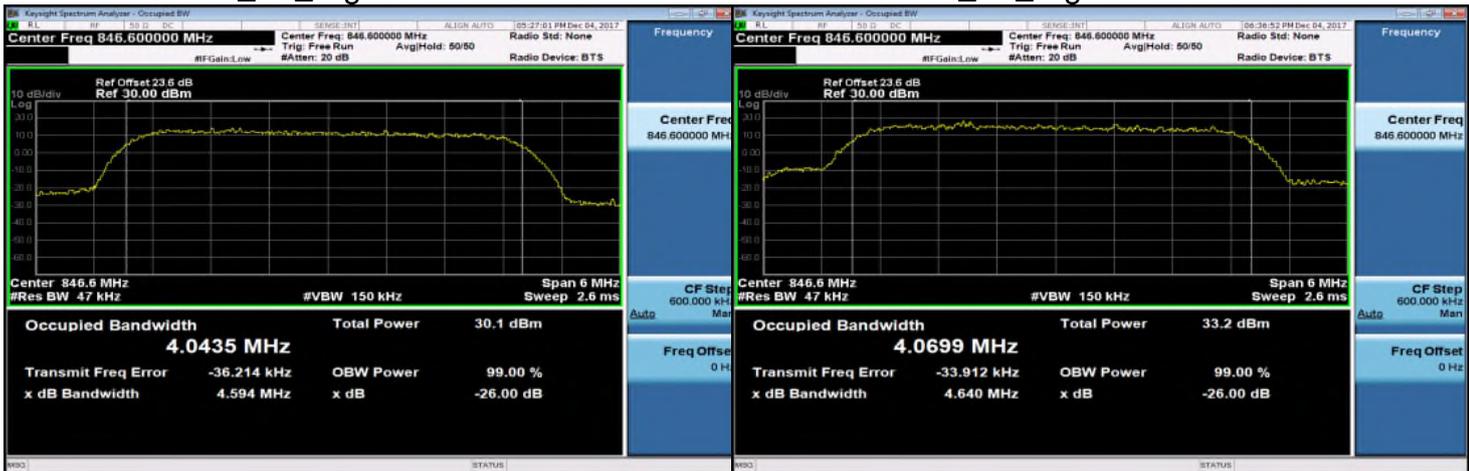
WCDMA\_B5\_MidCH4183-836.6

HSDPA\_B5\_MidCH4183-836.6



WCDMA\_B5\_HighCH4233-846.6

HSDPA\_B5\_HighCH4233-846.6



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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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,WukuRongRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/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

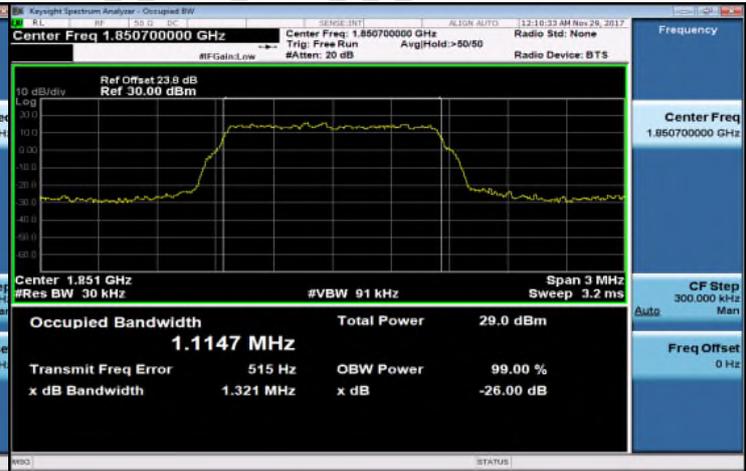
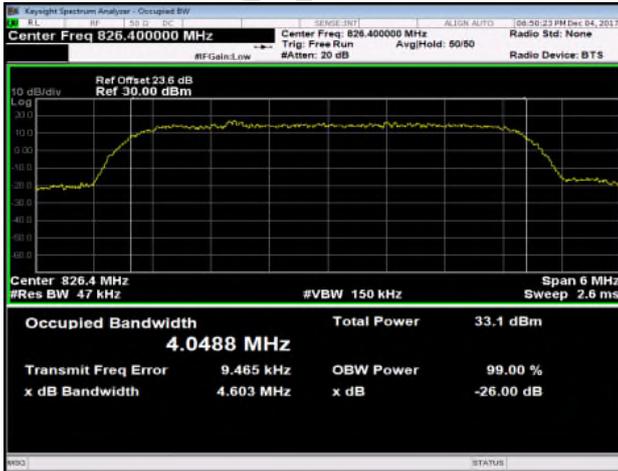
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

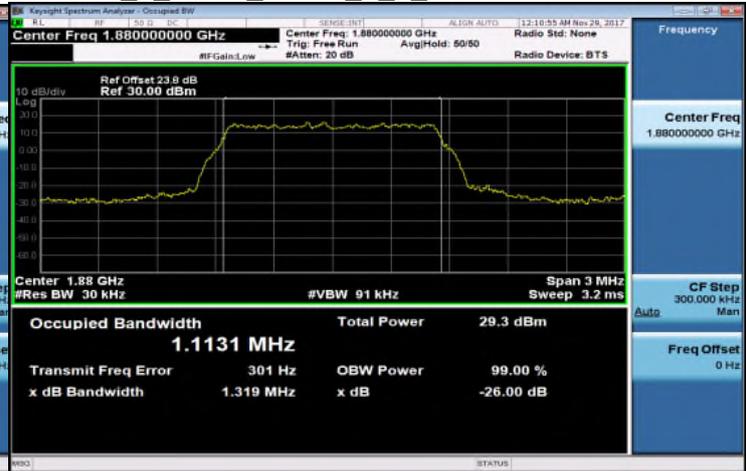
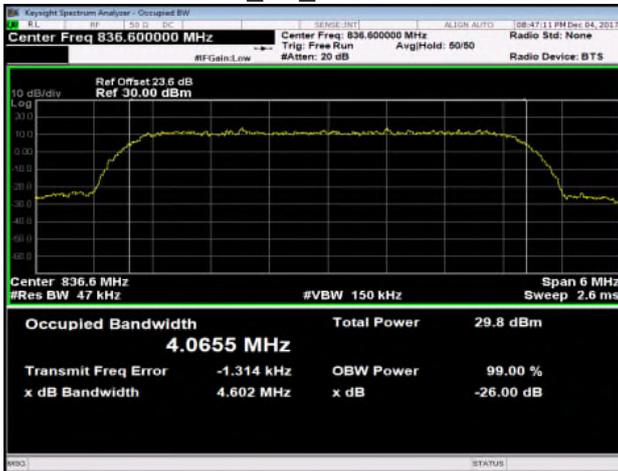
HSUPA\_B5\_LowCH4132-826.4

Band2\_1\_4MHz\_QPSK\_6\_0\_LowCH18607-1850.7



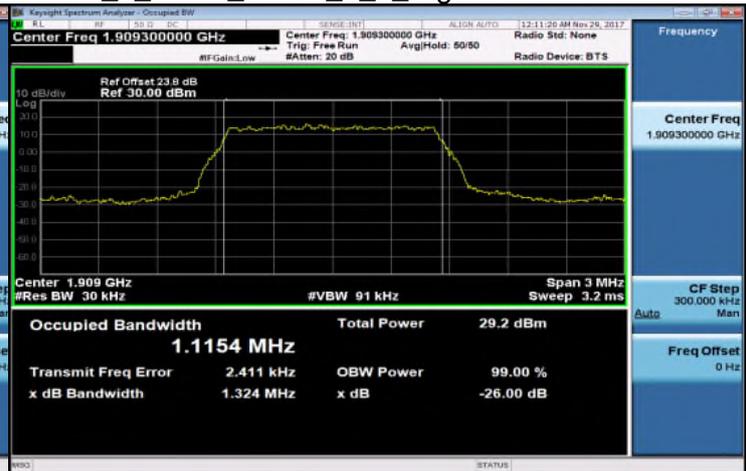
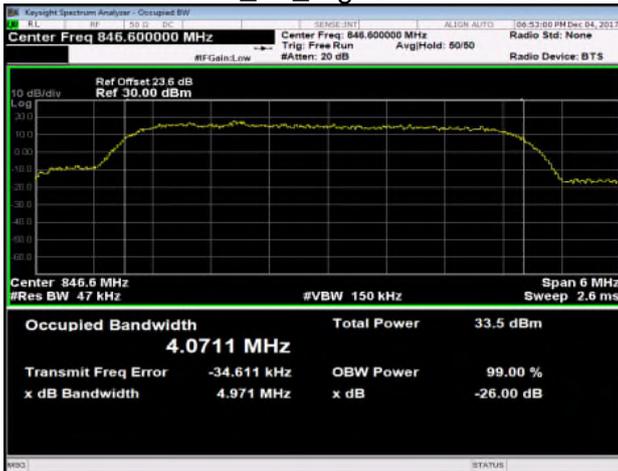
HSUPA\_B5\_MidCH4183-836.6

Band2\_1\_4MHz\_QPSK\_6\_0\_MidCH18900-1880



HSUPA\_B5\_HighCH4233-846.6

Band2\_1\_4MHz\_QPSK\_6\_0\_HighCH19193-1909.3



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

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

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

台灣檢驗科技股份有限公司

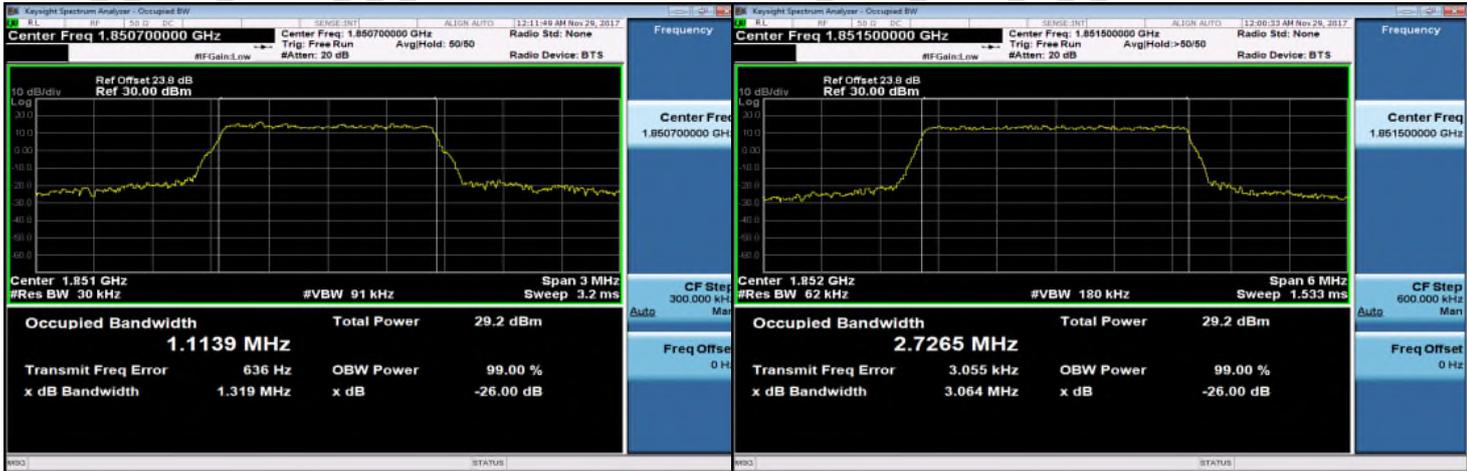
t (886-2) 2299-3279

f (886-2) 2298-0488

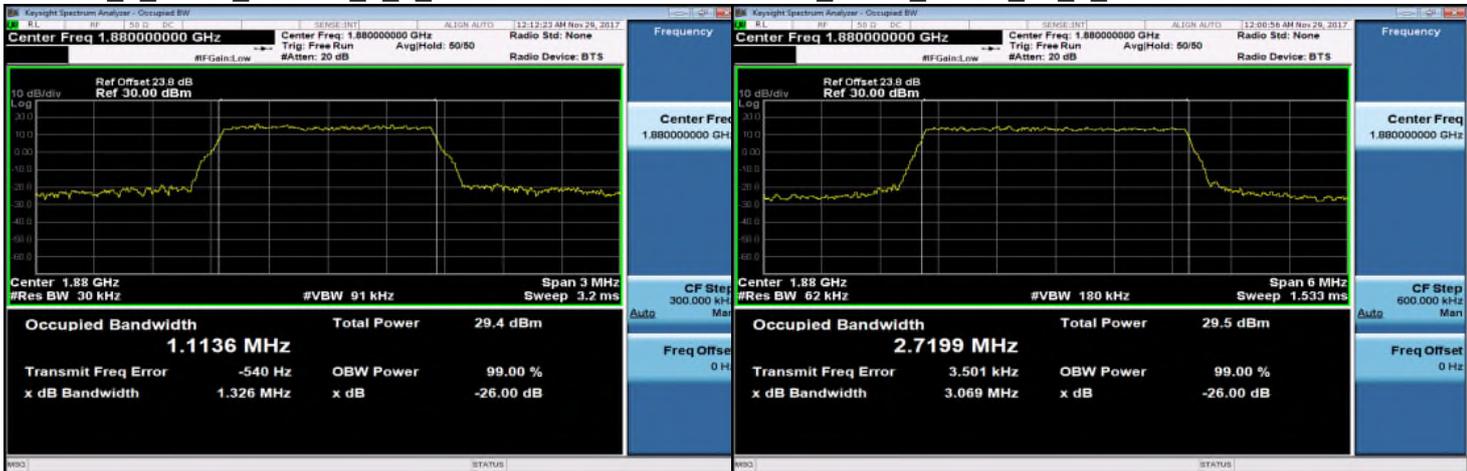
www.tw.sgs.com

Member of SGS Group

Band2\_1\_4MHz\_16QAM\_6\_0\_LowCH18607-1850.7      Band2\_3MHz\_QPSK\_15\_0\_LowCH18615-1851.5



Band2\_1\_4MHz\_16QAM\_6\_0\_MidCH18900-1880      Band2\_3MHz\_QPSK\_15\_0\_MidCH18900-1880



Band2\_1\_4MHz\_16QAM\_6\_0\_HighCH19193-1909.      Band2\_3MHz\_QPSK\_15\_0\_HighCH19185-1908.5

3



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

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

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

台灣檢驗科技股份有限公司

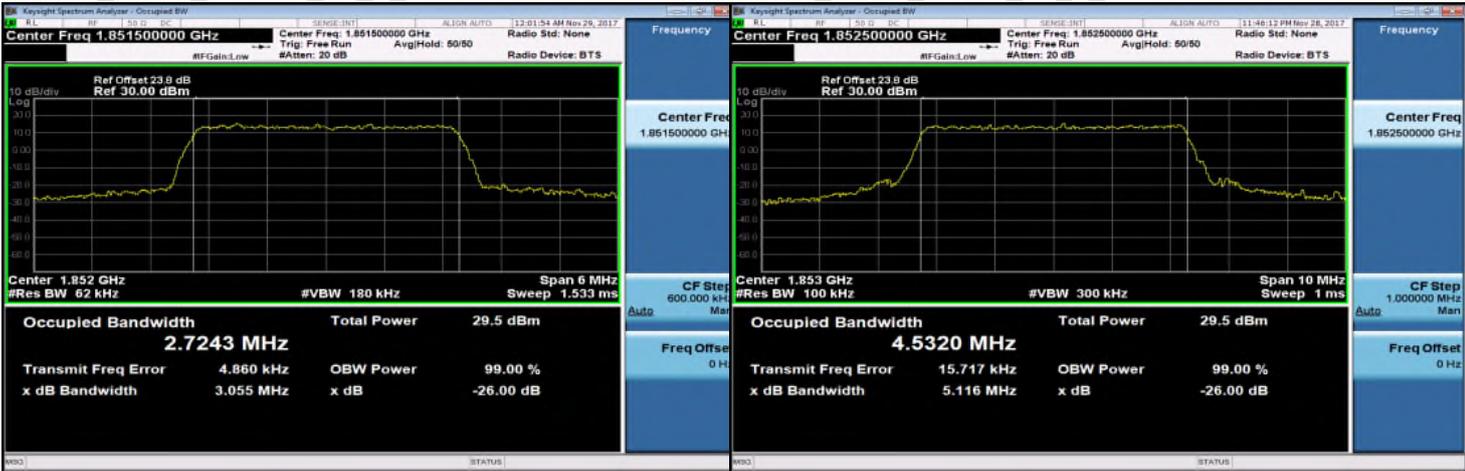
t (886-2) 2299-3279

f (886-2) 2298-0488

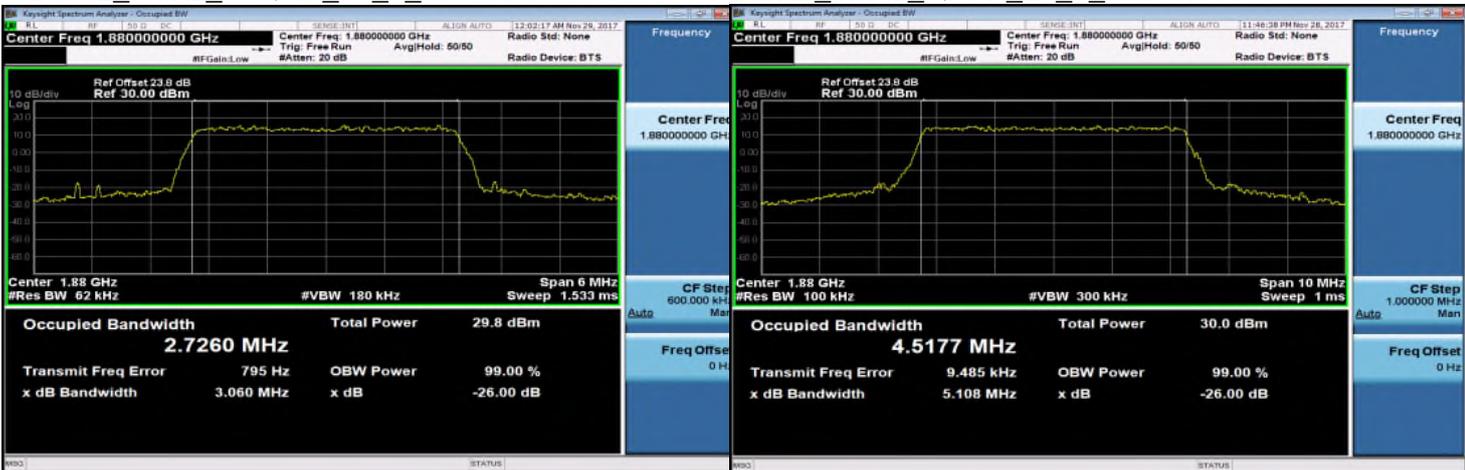
www.tw.sgs.com

Member of SGS Group

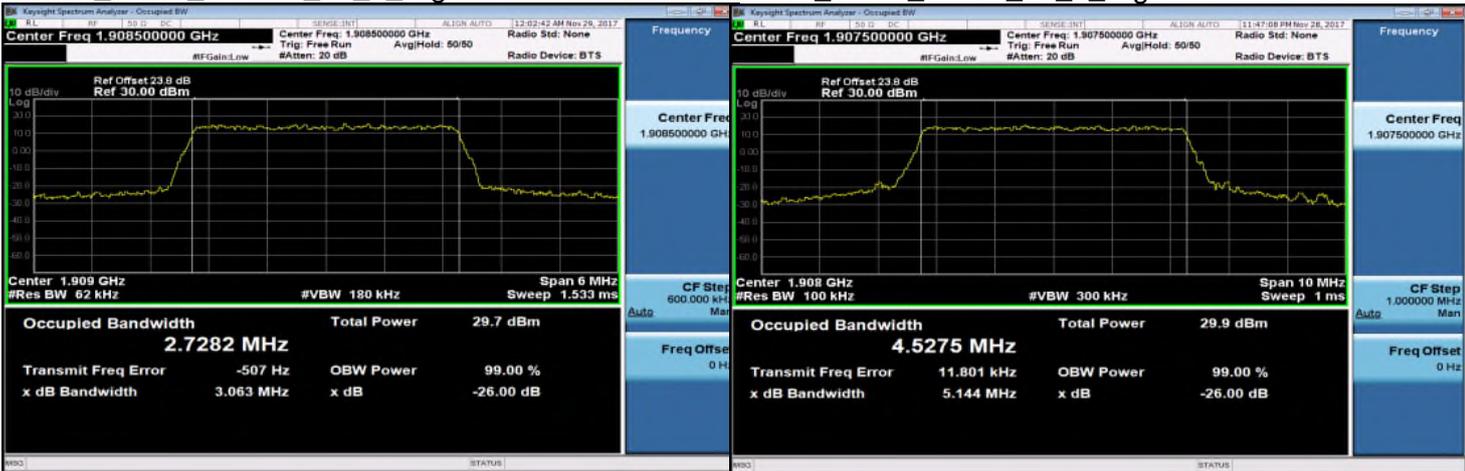
Band2\_3MHz\_16QAM\_15\_0\_LowCH18615-1851.5      Band2\_5MHz\_QPSK\_25\_0\_LowCH18625-1852.5



Band2\_3MHz\_16QAM\_15\_0\_MidCH18900-1880      Band2\_5MHz\_QPSK\_25\_0\_MidCH18900-1880



Band2\_3MHz\_16QAM\_15\_0\_HighCH19185-1908.5      Band2\_5MHz\_QPSK\_25\_0\_HighCH19175-1907.5



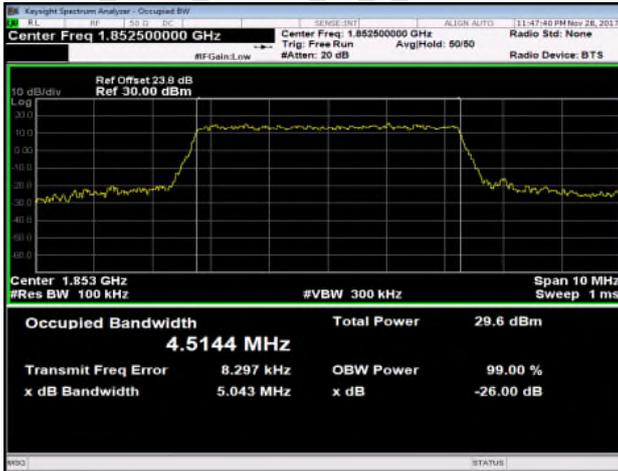
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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

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

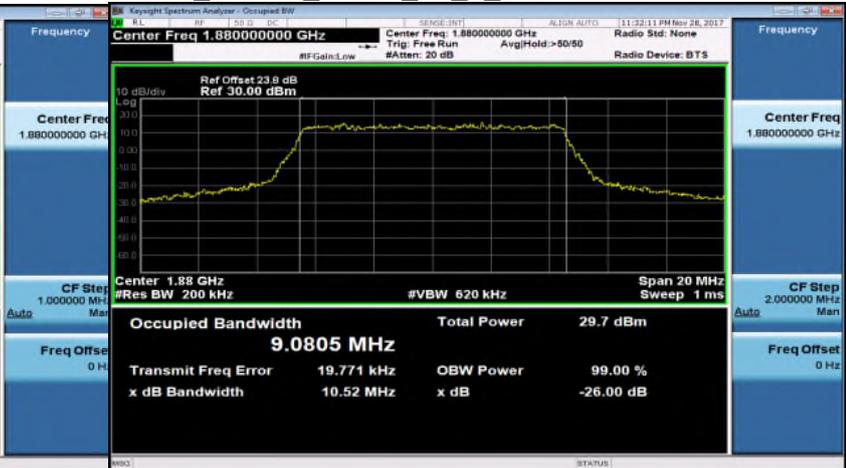
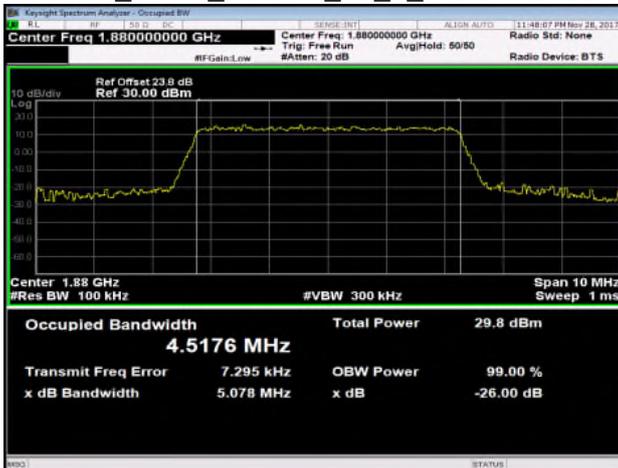
Band2\_5MHz\_16QAM\_25\_0\_LowCH18625-1852.5

Band2\_10MHz\_QPSK\_50\_0\_LowCH18650-1855



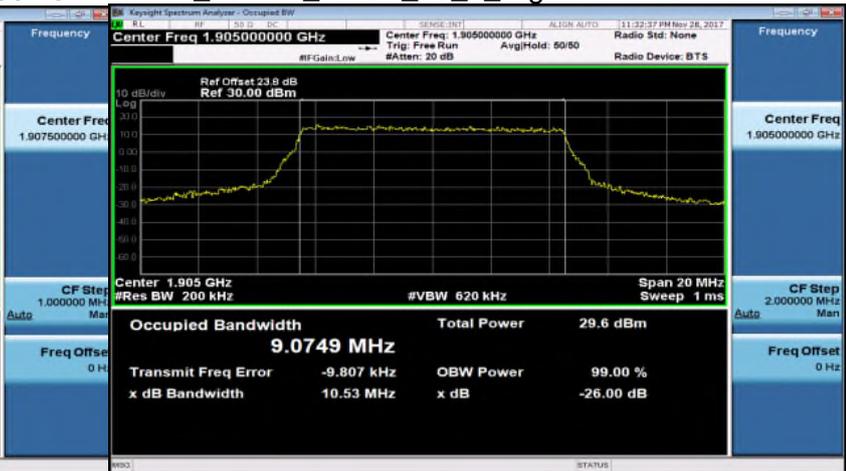
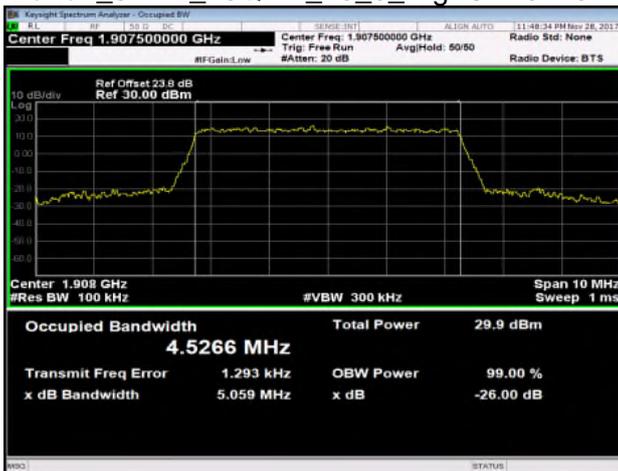
Band2\_5MHz\_16QAM\_25\_0\_MidCH18900-1880

Band2\_10MHz\_QPSK\_50\_0\_MidCH18900-1880



Band2\_5MHz\_16QAM\_25\_0\_HighCH19175-1907.5

Band2\_10MHz\_QPSK\_50\_0\_HighCH19150-1905



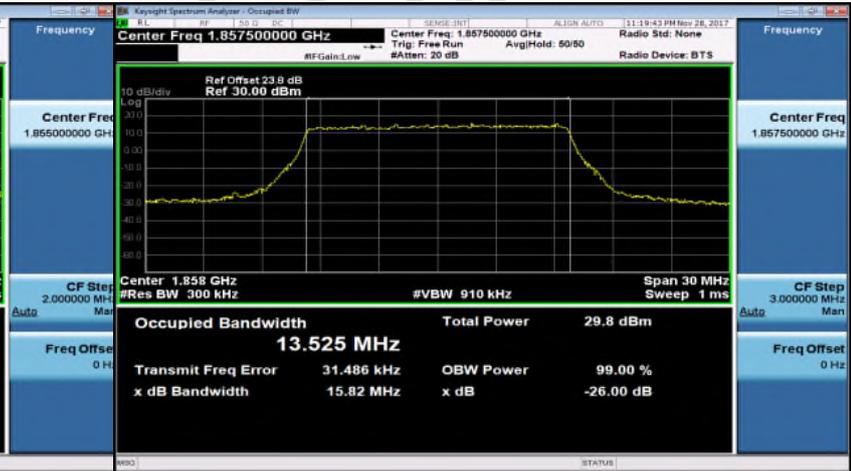
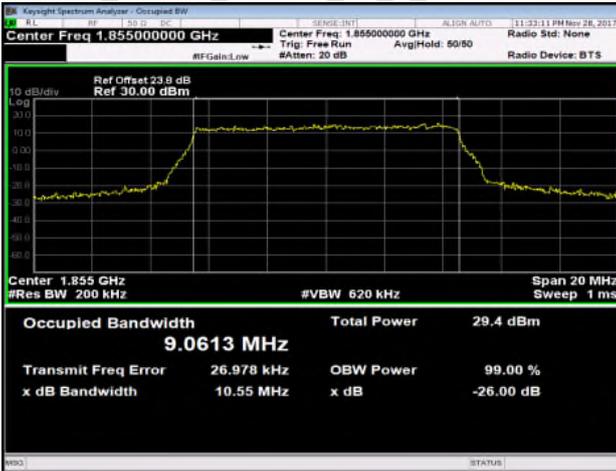
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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

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

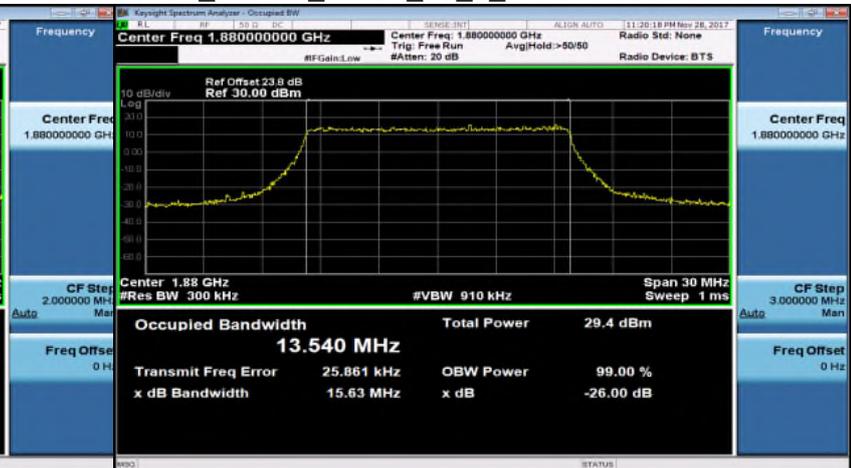
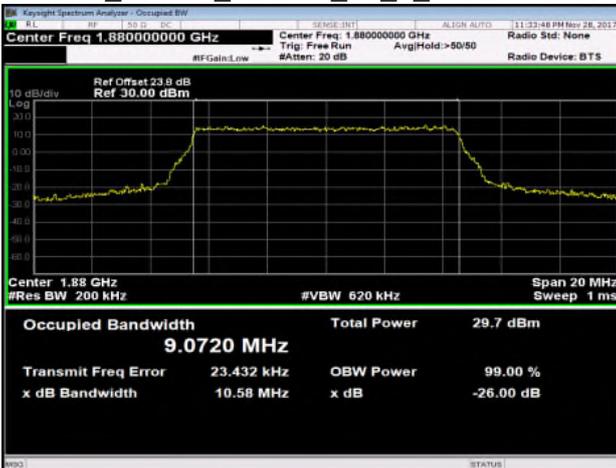
Band2\_10MHz\_16QAM\_50\_0\_LowCH18650-1855

Band2\_15MHz\_QPSK\_75\_0\_LowCH18675-1857.5



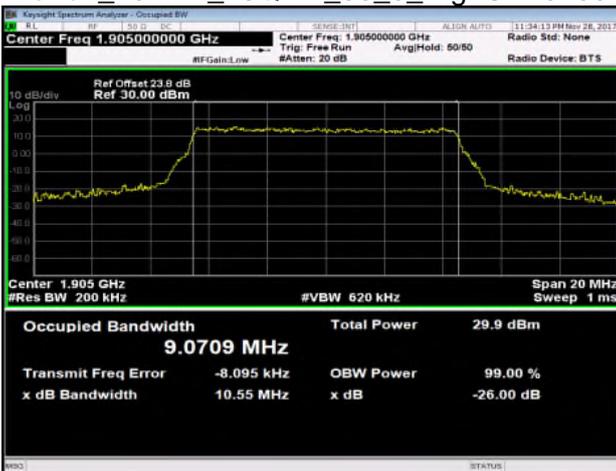
Band2\_10MHz\_16QAM\_50\_0\_MidCH18900-1880

Band2\_15MHz\_QPSK\_75\_0\_MidCH18900-1880



Band2\_10MHz\_16QAM\_50\_0\_HighCH19150-1905

Band2\_15MHz\_QPSK\_75\_0\_HighCH19125-1902.5



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

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

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

台灣檢驗科技股份有限公司

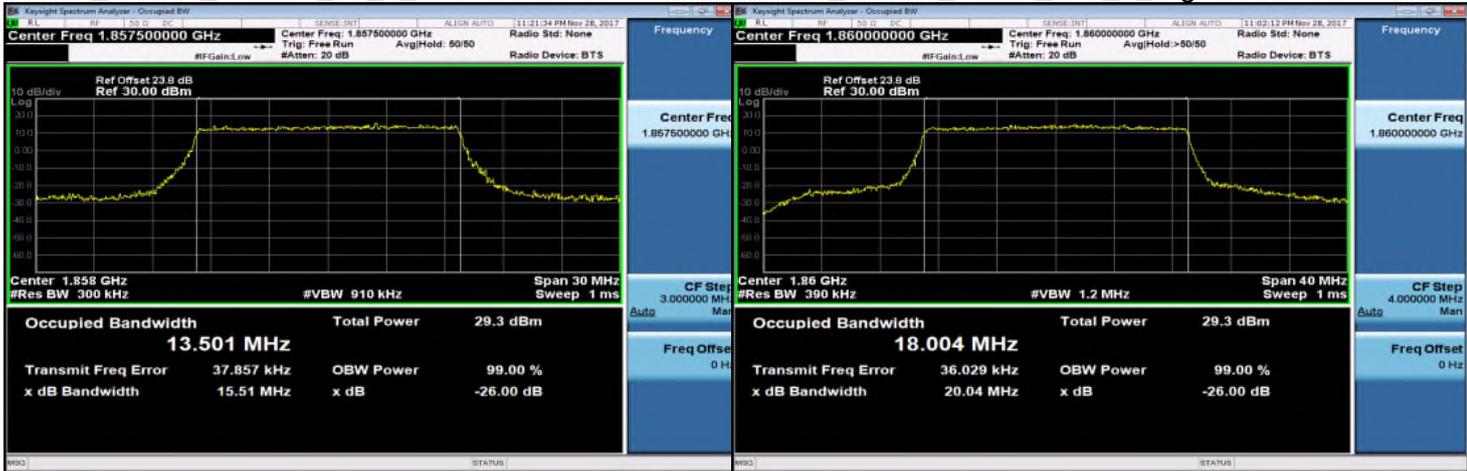
t (886-2) 2299-3279

f (886-2) 2298-0488

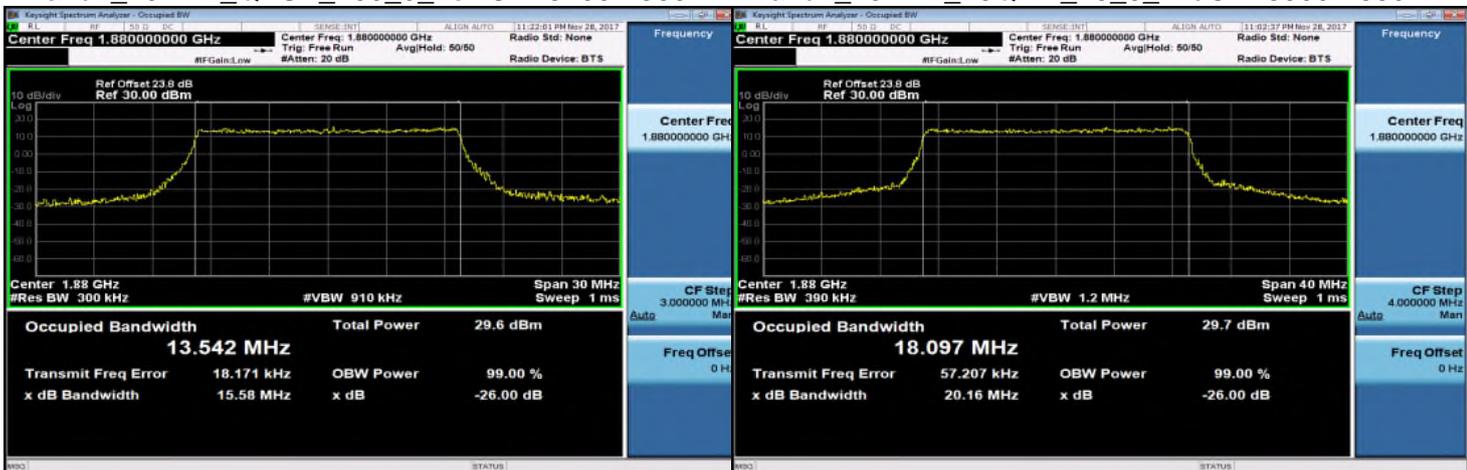
www.tw.sgs.com

Member of SGS Group

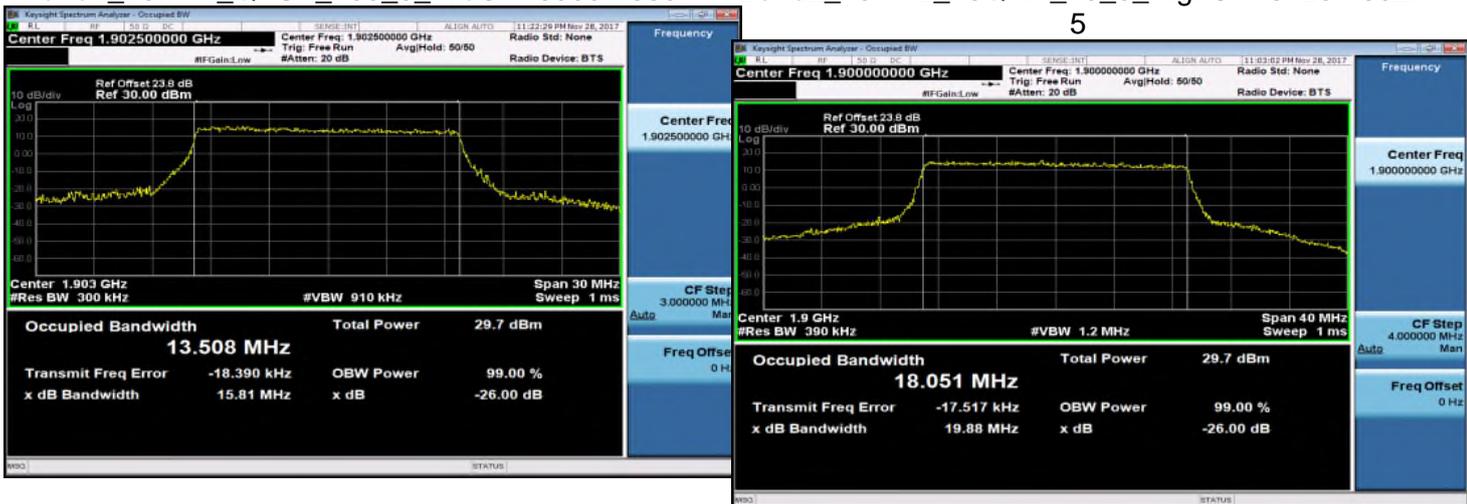
Band2\_15MHz\_16QAM\_75\_0\_LowCH18675-1857.5      Band2\_20MHz\_QPSK\_100\_0\_HighCH19100-1900



Band2\_20MHz\_QPSK\_100\_0\_LowCH18700-1860      Band2\_15MHz\_16QAM\_75\_0\_MidCH18900-1880



Band2\_20MHz\_QPSK\_100\_0\_MidCH18900-1880      Band2\_15MHz\_16QAM\_75\_0\_HighCH19125-1902.



5

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

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

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

台灣檢驗科技股份有限公司

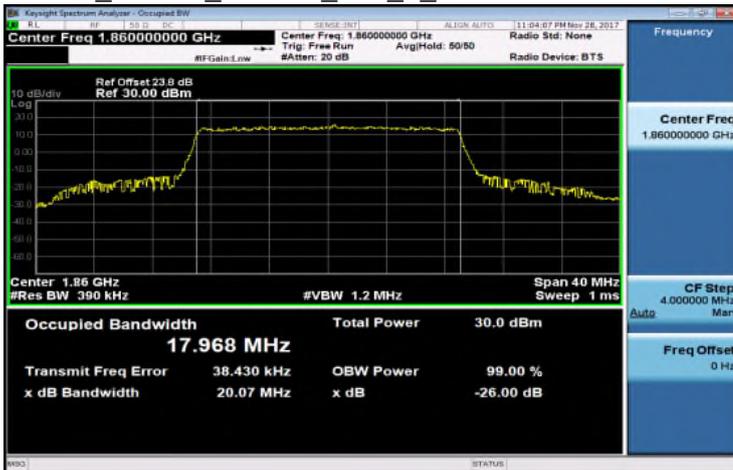
t (886-2) 2299-3279

f (886-2) 2298-0488

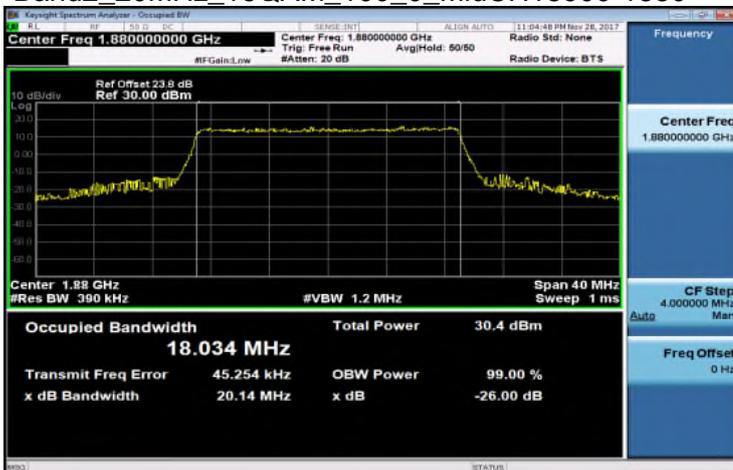
www.tw.sgs.com

Member of SGS Group

Band2\_20MHz\_16QAM\_100\_0\_LowCH18700-1860



Band2\_20MHz\_16QAM\_100\_0\_MidCH18900-1880



Band2\_20MHz\_16QAM\_100\_0\_HighCH19100-1900



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

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

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

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

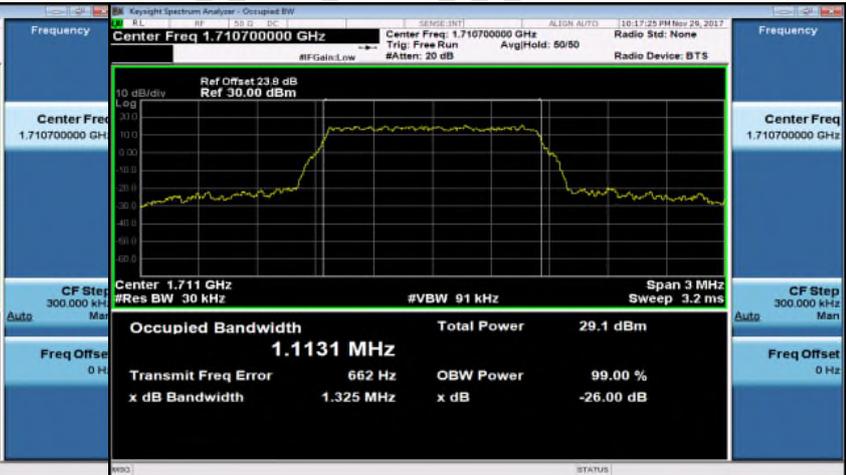
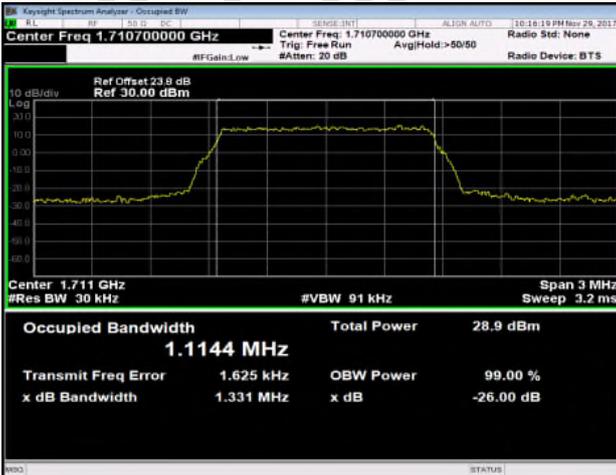
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

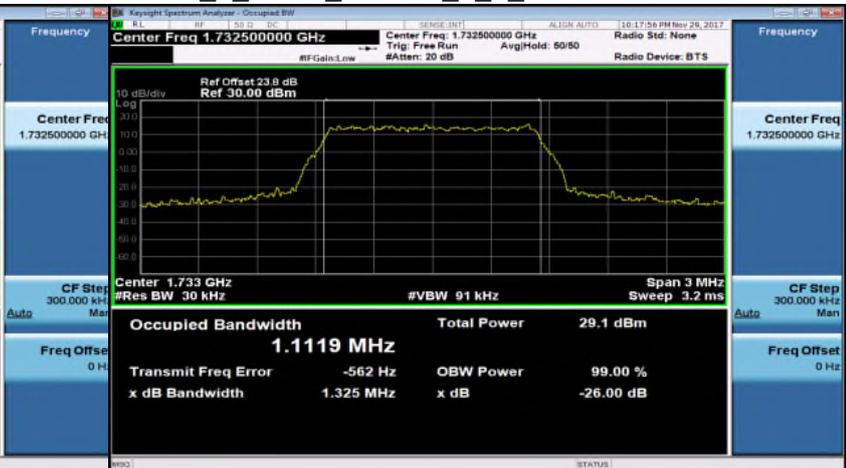
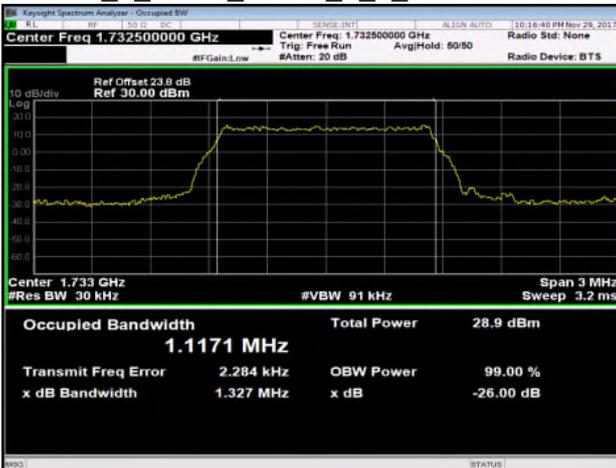
Band4\_1\_4MHz\_QPSK\_6\_0\_LowCH19957-1710.7

Band4\_1\_4MHz\_16QAM\_6\_0\_LowCH19957-1710.7



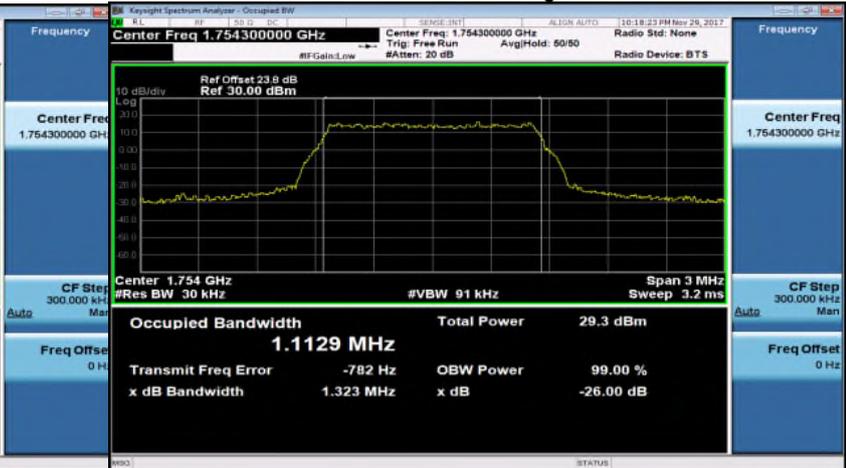
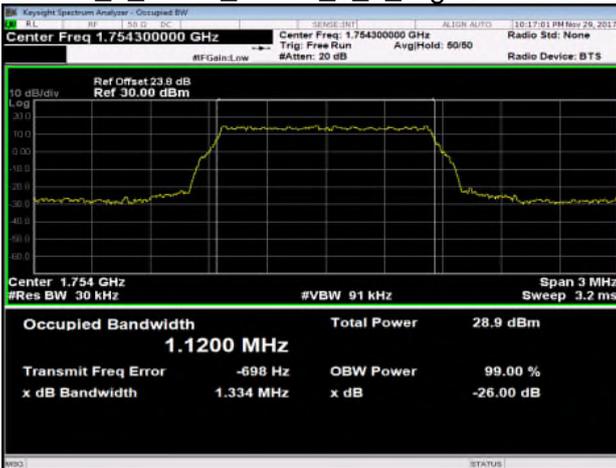
Band4\_1\_4MHz\_QPSK\_6\_0\_MidCH20175-1732.5

Band4\_1\_4MHz\_16QAM\_6\_0\_MidCH20175-1732.5



Band4\_1\_4MHz\_QPSK\_6\_0\_HighCH20393-1754.3

Band4\_1\_4MHz\_16QAM\_6\_0\_HighCH20393-1754.3



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

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

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

台灣檢驗科技股份有限公司

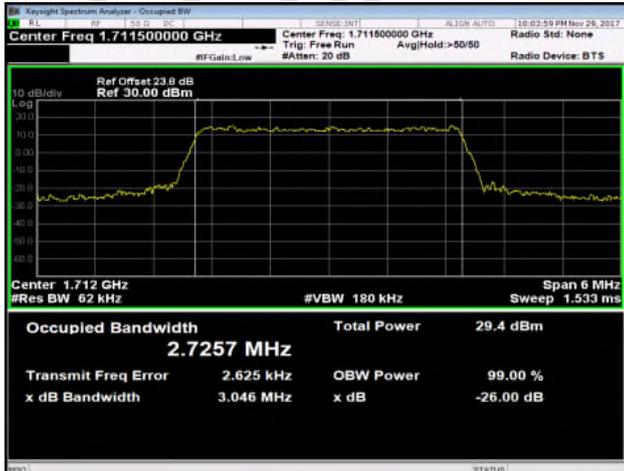
t (886-2) 2299-3279

f (886-2) 2298-0488

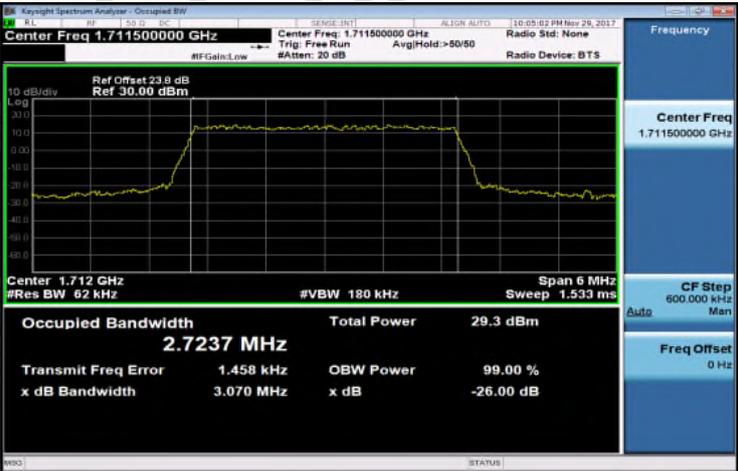
www.tw.sgs.com

Member of SGS Group

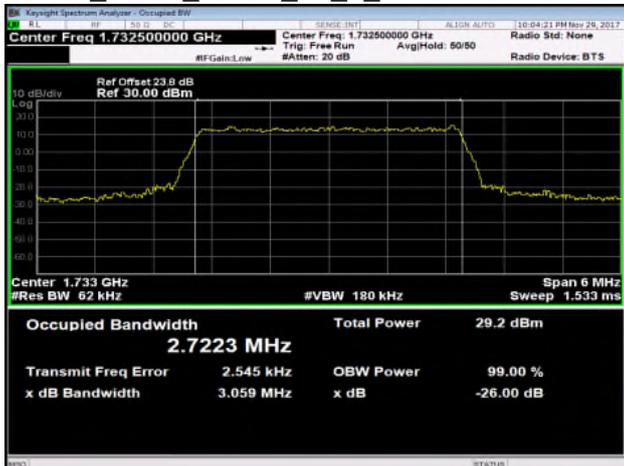
Band4\_3MHz\_QPSK\_15\_0\_LowCH19965-1711.5



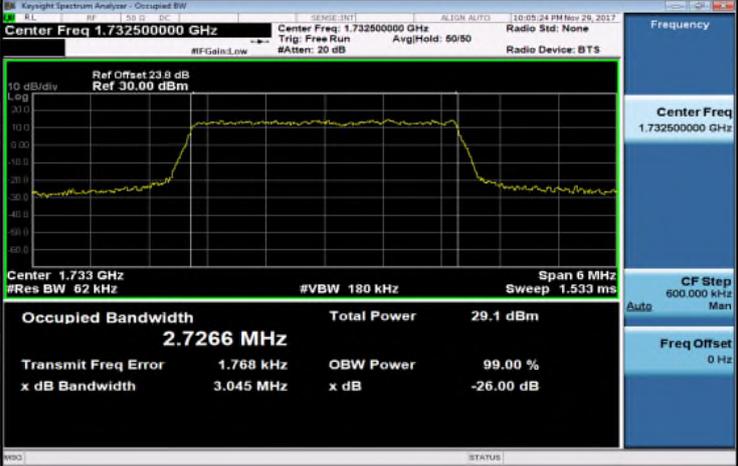
Band4\_3MHz\_16QAM\_15\_0\_LowCH19965-1711.5



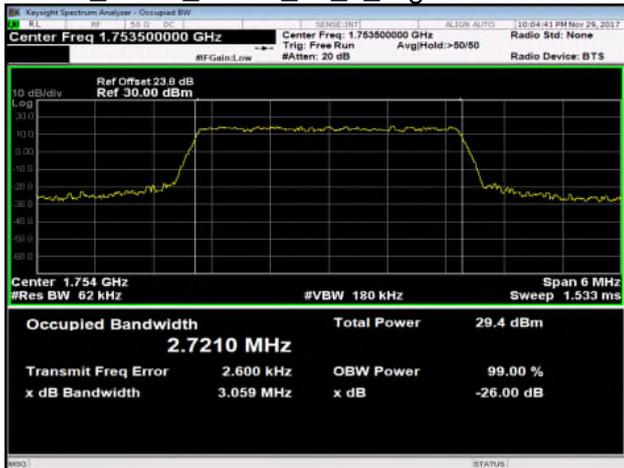
Band4\_3MHz\_QPSK\_15\_0\_MidCH20175-1732.5



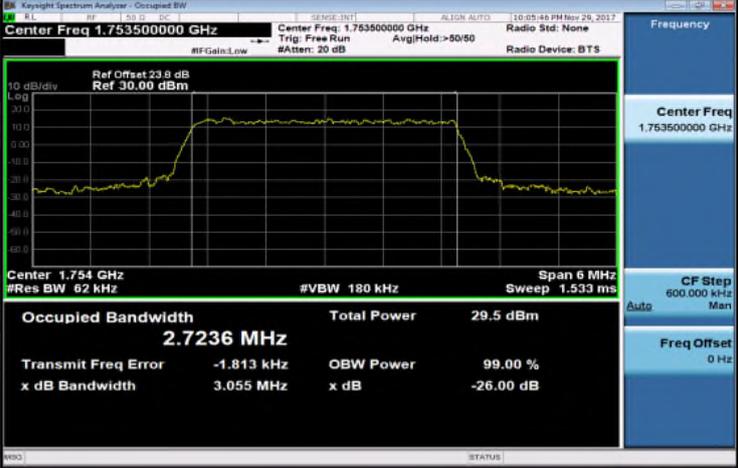
Band4\_3MHz\_16QAM\_15\_0\_MidCH20175-1732.5



Band4\_3MHz\_QPSK\_15\_0\_HighCH20385-1753.5



Band4\_3MHz\_16QAM\_15\_0\_HighCH20385-1753.5

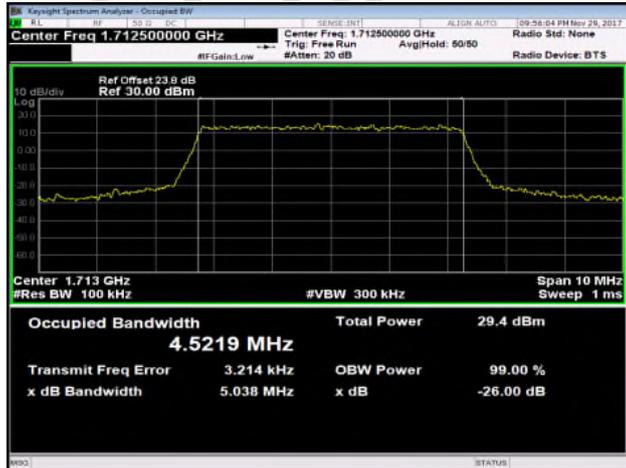


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

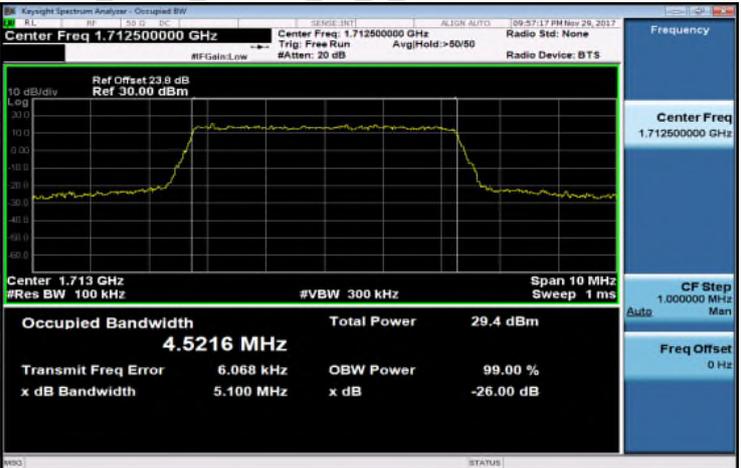
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

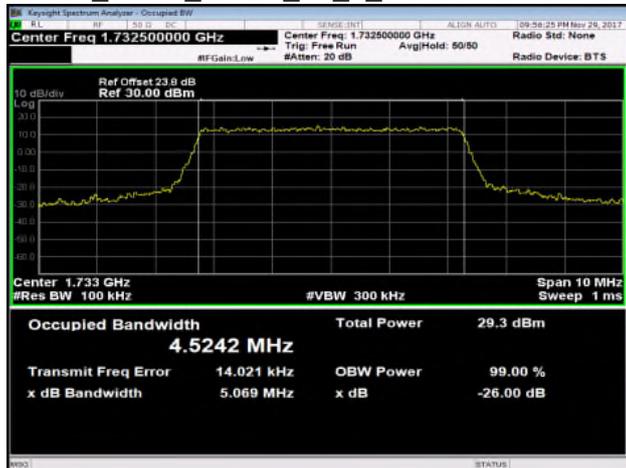
Band4\_5MHz\_QPSK\_25\_0\_LowCH19975-1712.5



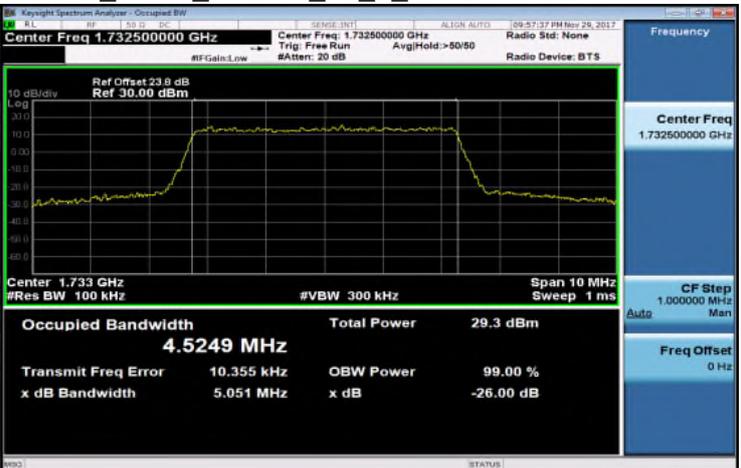
Band4\_5MHz\_16QAM\_25\_0\_LowCH19975-1712.5



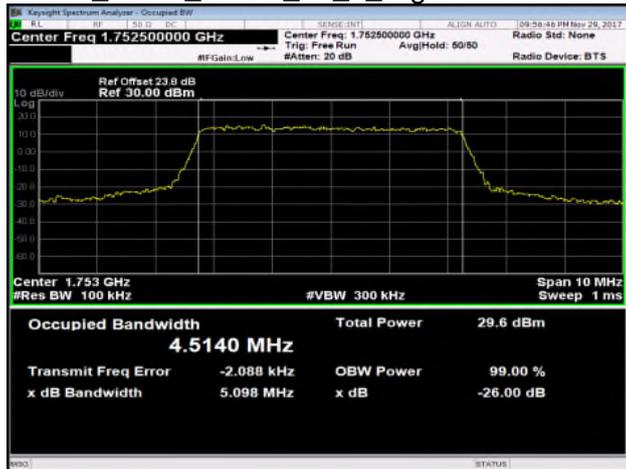
Band4\_5MHz\_QPSK\_25\_0\_MidCH20175-1732.5



Band4\_5MHz\_16QAM\_25\_0\_MidCH20175-1732.5



Band4\_5MHz\_QPSK\_25\_0\_HighCH20375-1752.5



Band4\_5MHz\_16QAM\_25\_0\_HighCH20375-1752.5



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

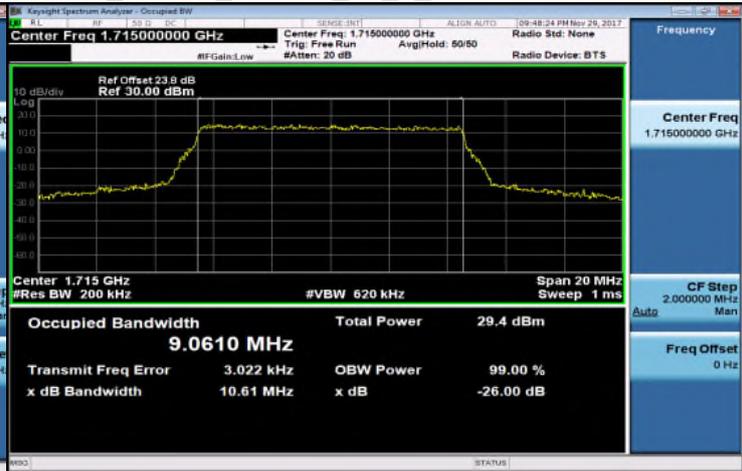
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Band4\_10MHz\_QPSK\_50\_0\_LowCH20000-1715



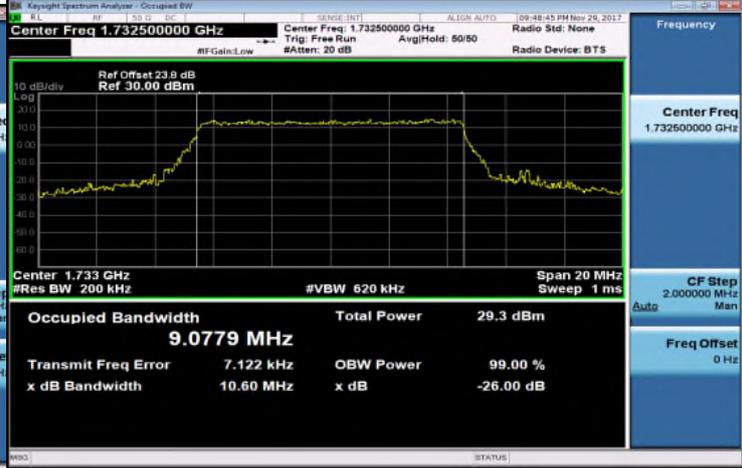
Band4\_10MHz\_16QAM\_50\_0\_LowCH20000-1715



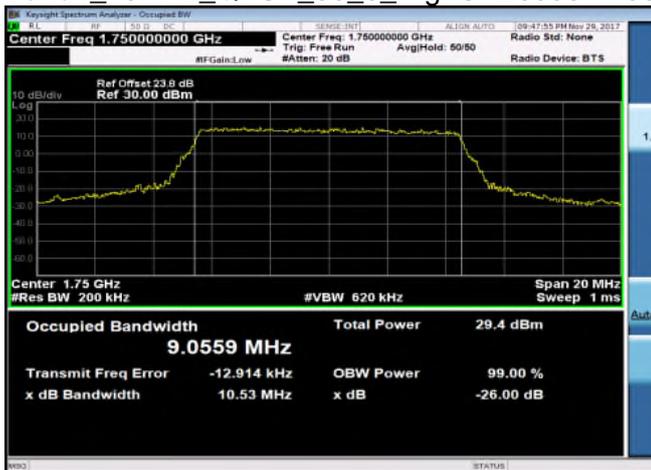
Band4\_10MHz\_QPSK\_50\_0\_MidCH20175-1732.5



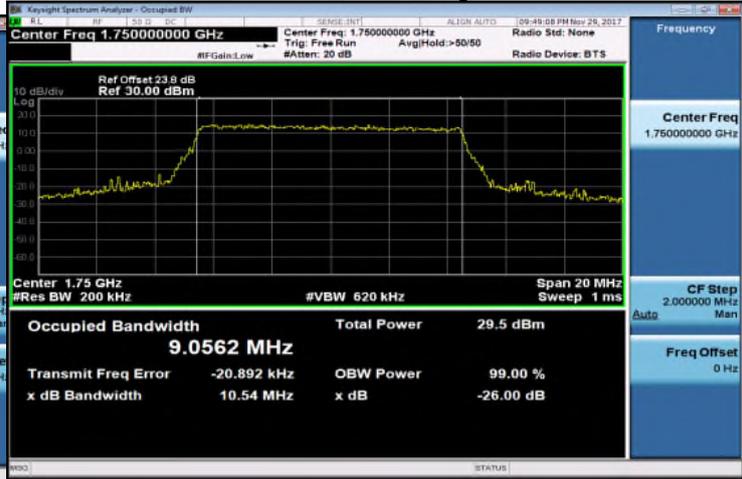
Band4\_10MHz\_16QAM\_50\_0\_MidCH20175-1732.5



Band4\_10MHz\_QPSK\_50\_0\_HighCH20350-1750



Band4\_10MHz\_16QAM\_50\_0\_HighCH20350-1750



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

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

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

台灣檢驗科技股份有限公司

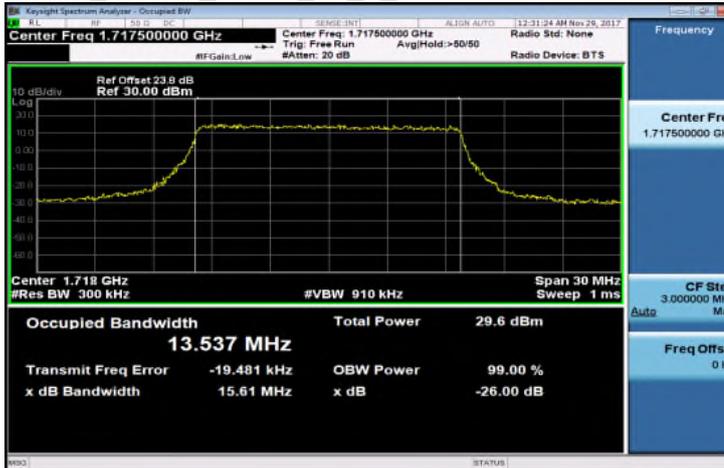
t (886-2) 2299-3279

f (886-2) 2298-0488

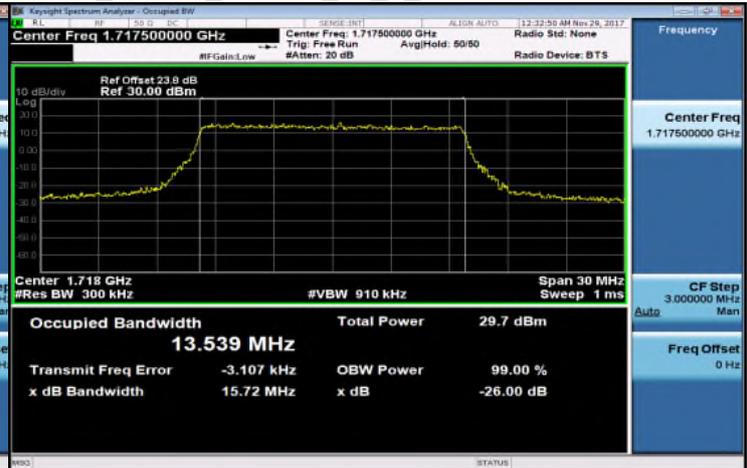
www.tw.sgs.com

Member of SGS Group

Band4\_15MHz\_QPSK\_75\_0\_LowCH20025-1717.5



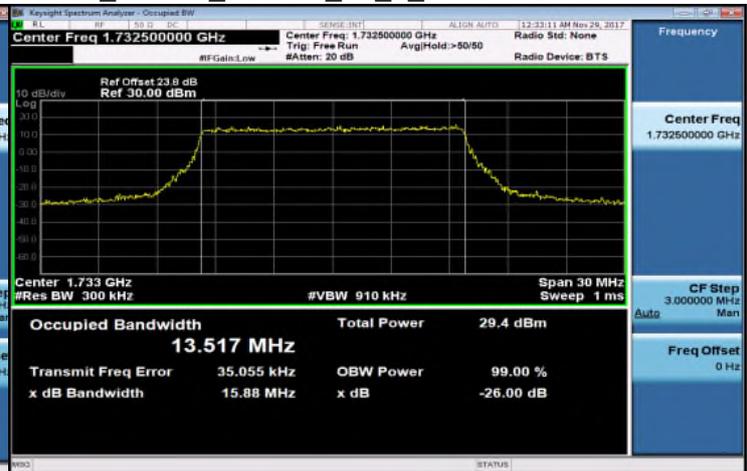
Band4\_15MHz\_16QAM\_75\_0\_LowCH20025-1717.5



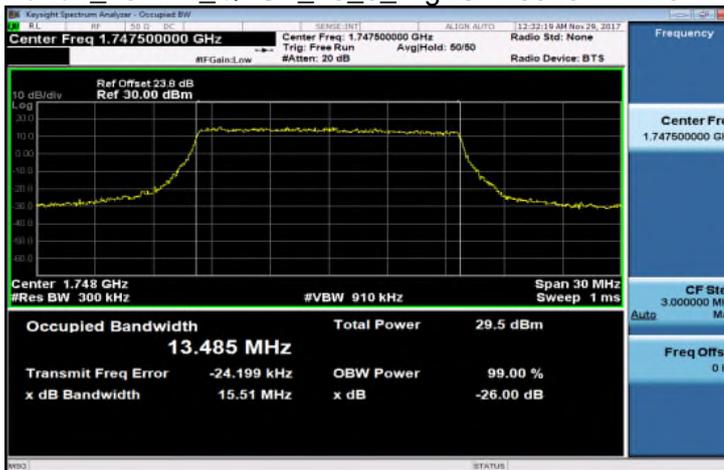
Band4\_15MHz\_QPSK\_75\_0\_MidCH20175-1732.5



Band4\_15MHz\_16QAM\_75\_0\_MidCH20175-1732.5



Band4\_15MHz\_QPSK\_75\_0\_HighCH20325-1747.5



Band4\_15MHz\_16QAM\_75\_0\_HighCH20325-1747.5



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

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

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

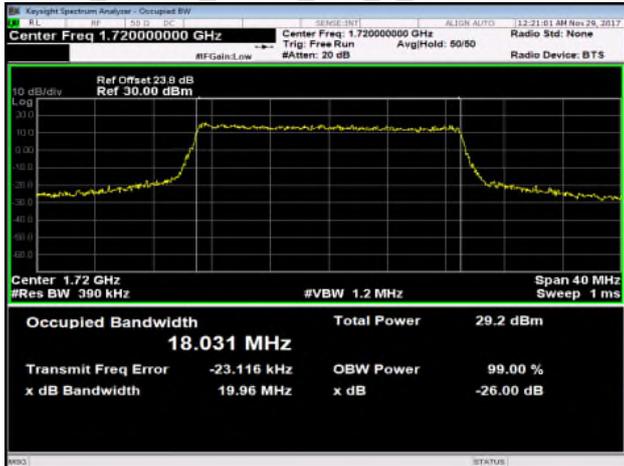
t (886-2) 2299-3279

f (886-2) 2298-0488

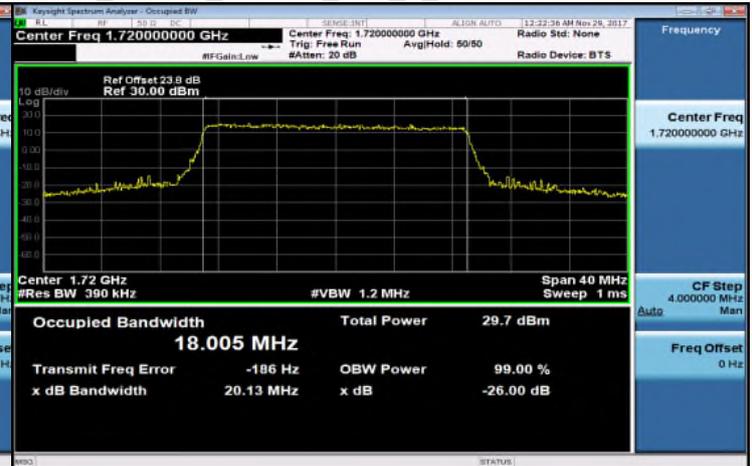
www.tw.sgs.com

Member of SGS Group

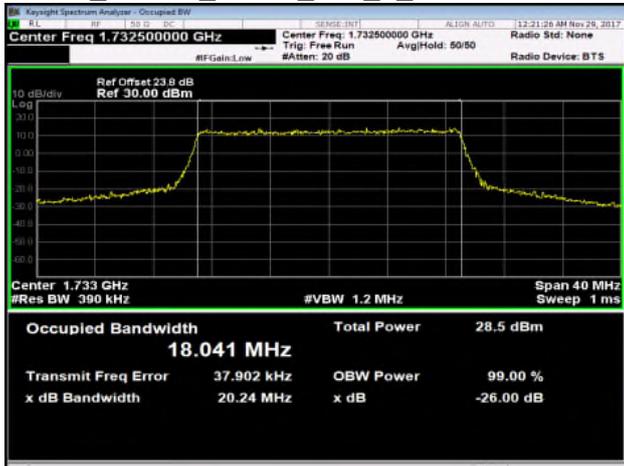
Band4\_20MHz\_QPSK\_100\_0\_LowCH20050-1720



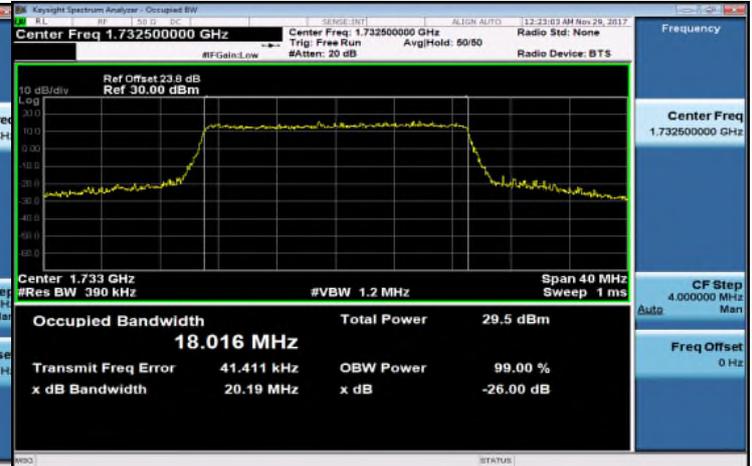
Band4\_20MHz\_16QAM\_100\_0\_LowCH20050-1720



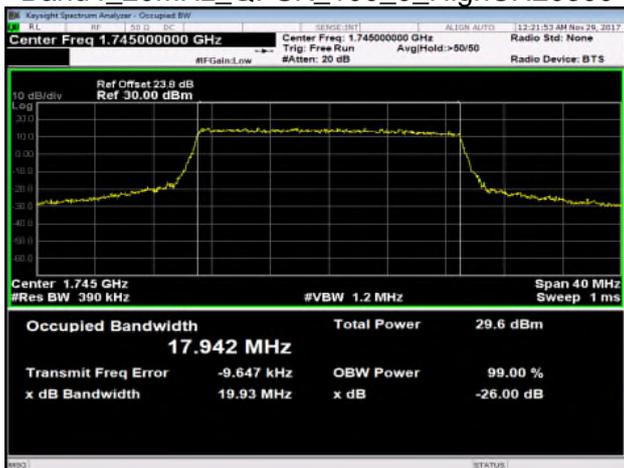
Band4\_20MHz\_QPSK\_100\_0\_MidCH20175-1732.5



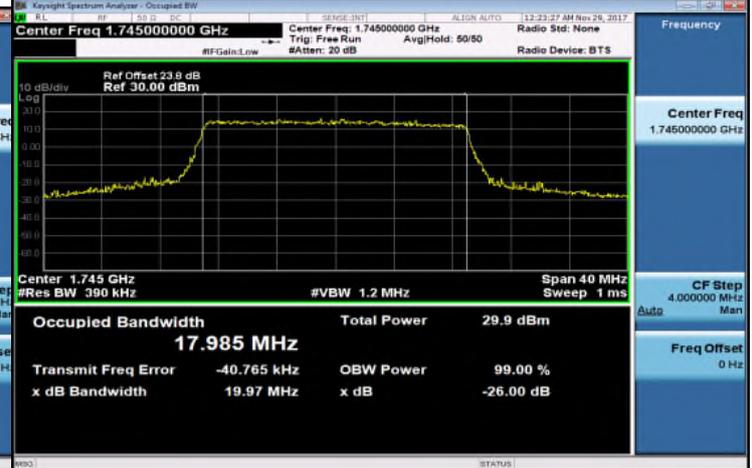
Band4\_20MHz\_16QAM\_100\_0\_MidCH20175-1732.5



Band4\_20MHz\_QPSK\_100\_0\_HighCH20300-1745



Band4\_20MHz\_16QAM\_100\_0\_HighCH20300-1745



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

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

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

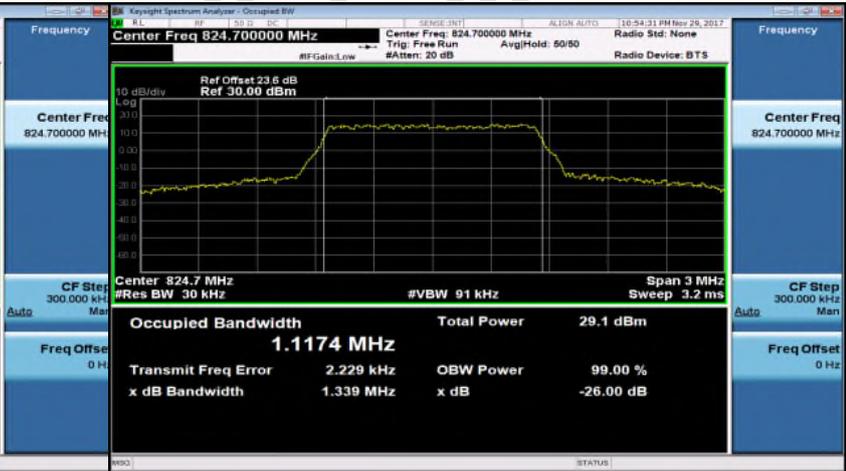
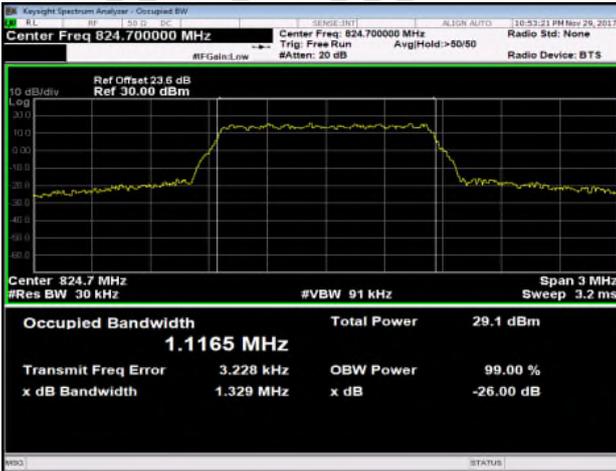
f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

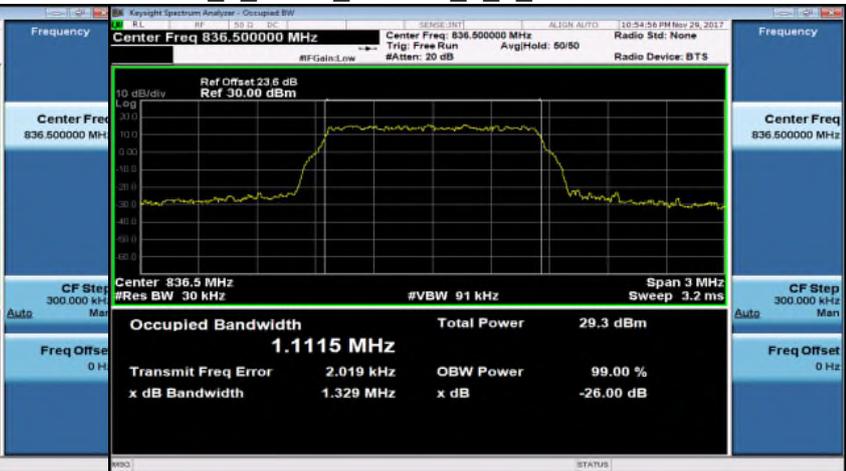
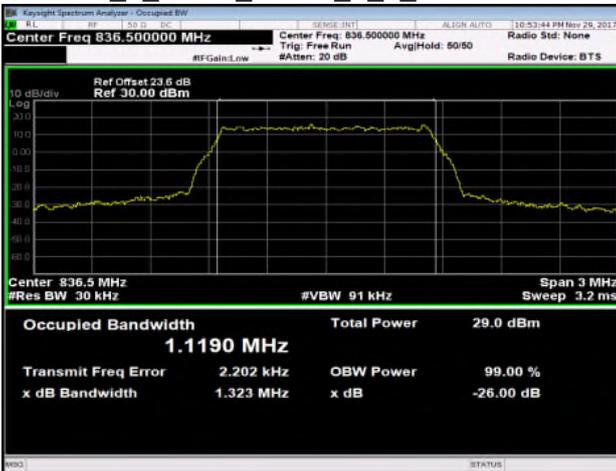
Band5\_1\_4MHz\_QPSK\_6\_0\_LowCH20407-824.7

Band5\_1\_4MHz\_16QAM\_6\_0\_LowCH20407-824.7



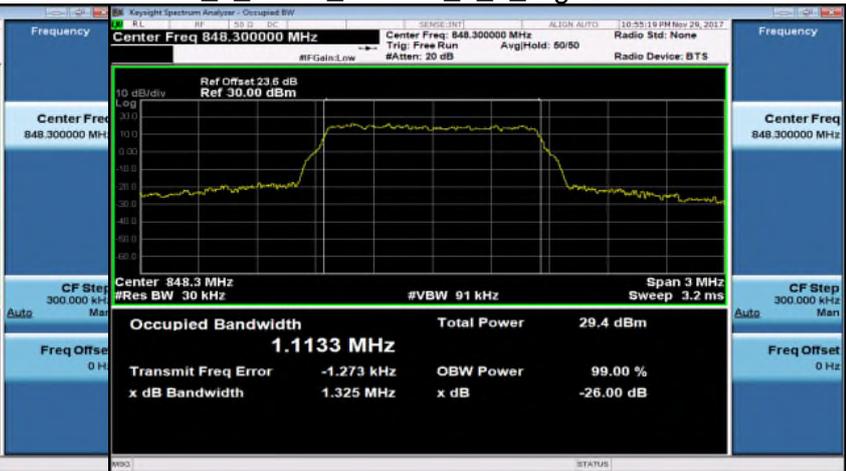
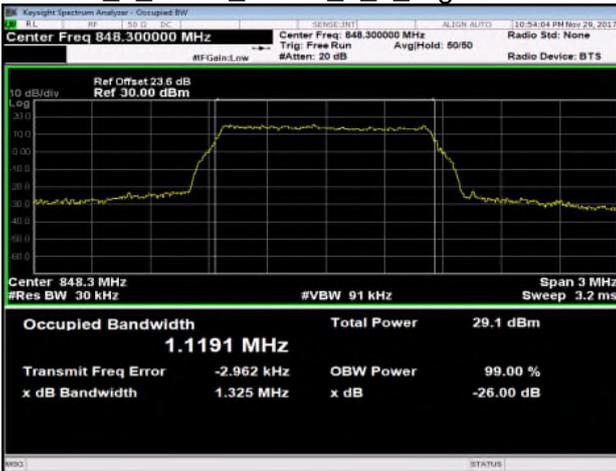
Band5\_1\_4MHz\_QPSK\_6\_0\_MidCH20525-836.5

Band5\_1\_4MHz\_16QAM\_6\_0\_MidCH20525-836.5



Band5\_1\_4MHz\_QPSK\_6\_0\_HighCH20643-848.3

Band5\_1\_4MHz\_16QAM\_6\_0\_HighCH20643-848.3



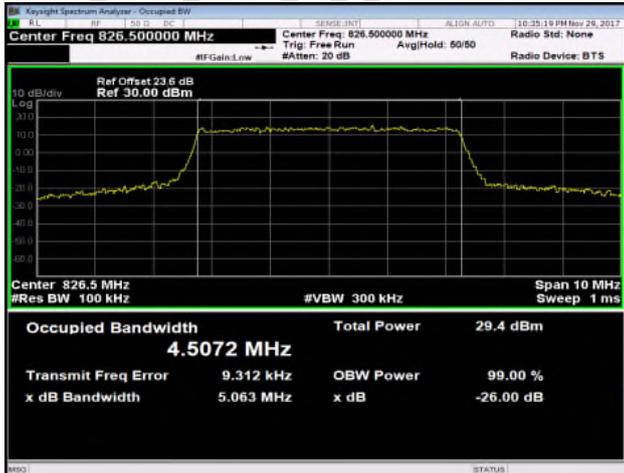
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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

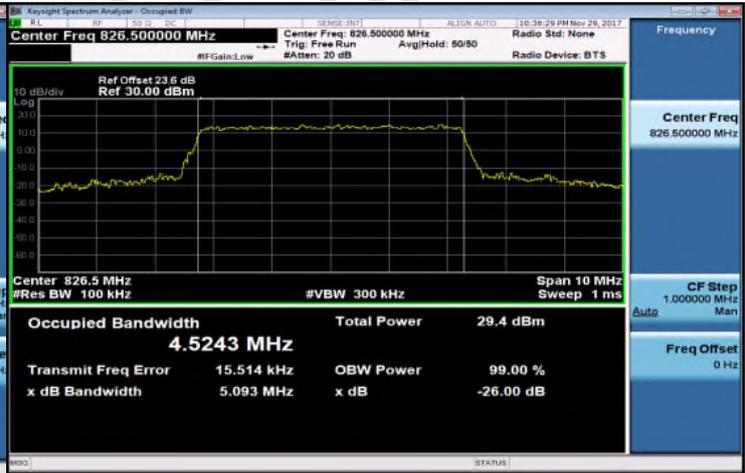
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for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



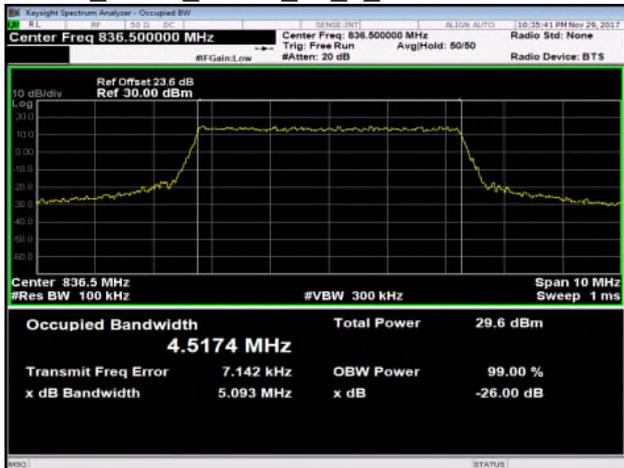
Band5\_5MHz\_QPSK\_25\_0\_LowCH20425-826.5



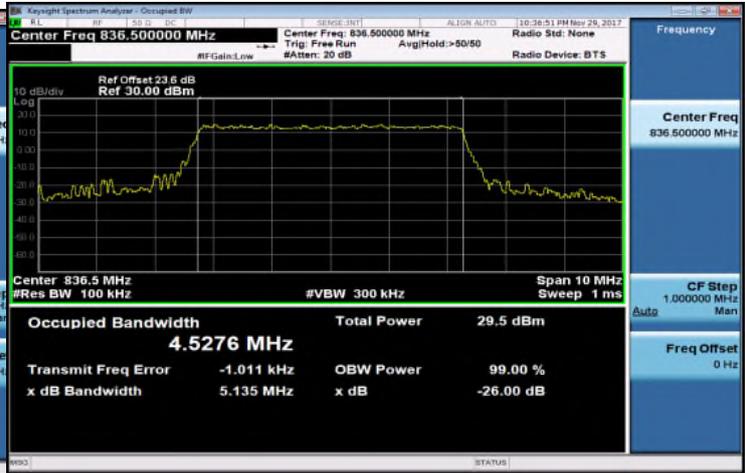
Band5\_5MHz\_16QAM\_25\_0\_LowCH20425-826.5



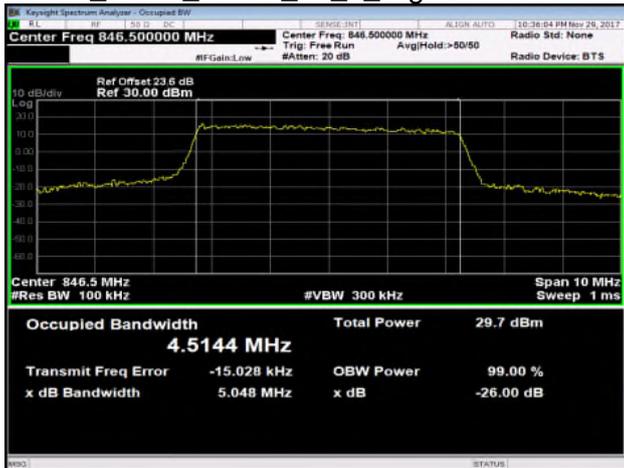
Band5\_5MHz\_QPSK\_25\_0\_MidCH20525-836.5



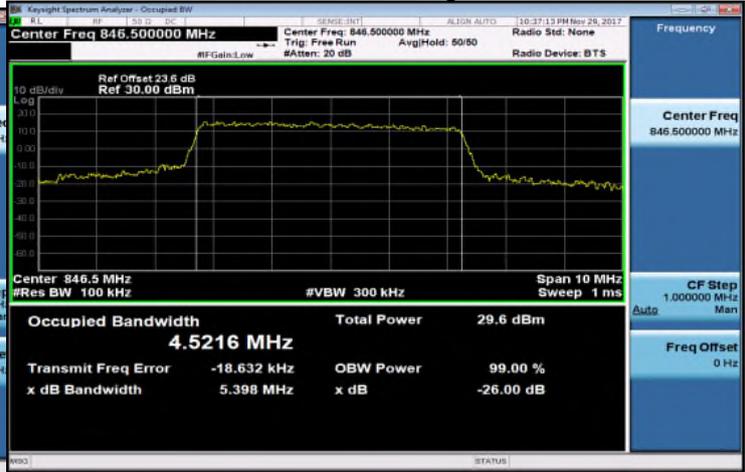
Band5\_5MHz\_16QAM\_25\_0\_MidCH20525-836.5



Band5\_5MHz\_QPSK\_25\_0\_HighCH20625-846.5



Band5\_5MHz\_16QAM\_25\_0\_HighCH20625-846.5



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

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

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

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

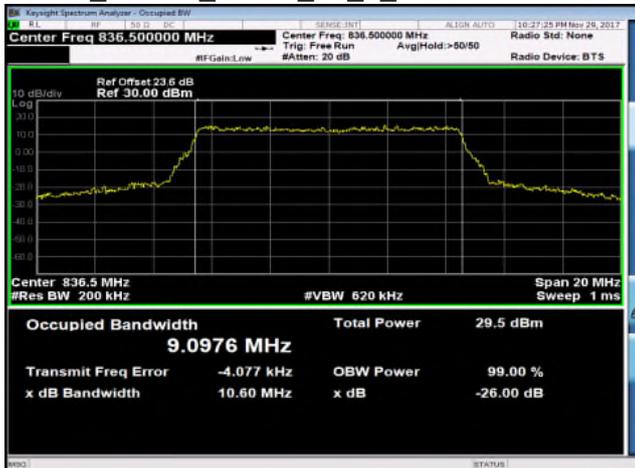
Band5\_10MHz\_QPSK\_50\_0\_LowCH20450-829



Band5\_10MHz\_16QAM\_50\_0\_LowCH20450-829



Band5\_10MHz\_QPSK\_50\_0\_MidCH20525-836.5



Band5\_10MHz\_16QAM\_50\_0\_MidCH20525-836.5



Band5\_10MHz\_QPSK\_50\_0\_HighCH20600-844



Band5\_10MHz\_16QAM\_50\_0\_HighCH20600-844



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

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

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

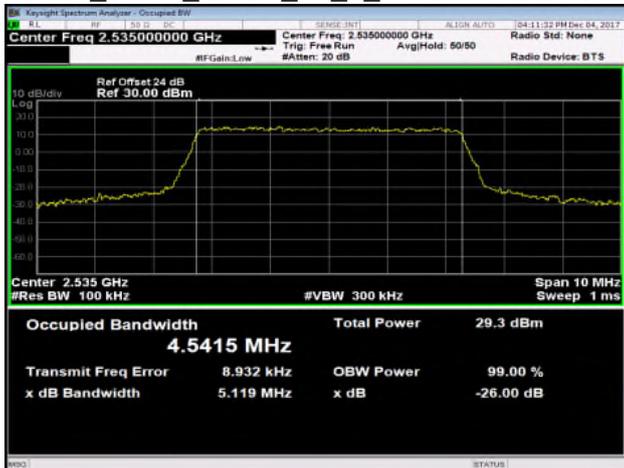
Band7\_5MHz\_QPSK\_25\_0\_LowCH20775-2502.5



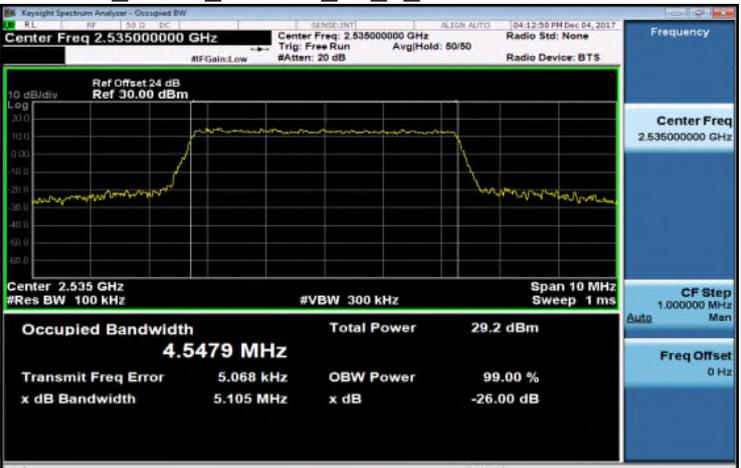
Band7\_5MHz\_16QAM\_25\_0\_LowCH20775-2502.5



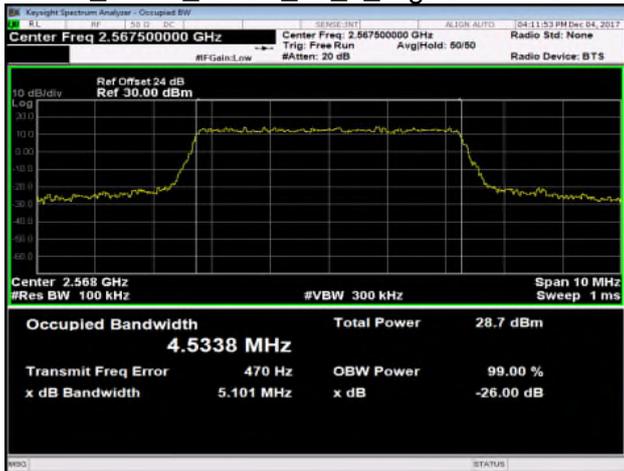
Band7\_5MHz\_QPSK\_25\_0\_MidCH21100-2535



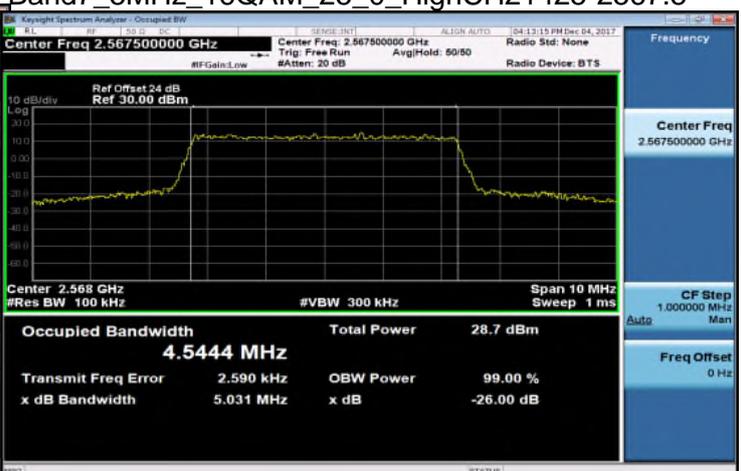
Band7\_5MHz\_16QAM\_25\_0\_MidCH21100-2535



Band7\_5MHz\_QPSK\_25\_0\_HighCH21425-2567.5



Band7\_5MHz\_16QAM\_25\_0\_HighCH21425-2567.5



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

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

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

台灣檢驗科技股份有限公司

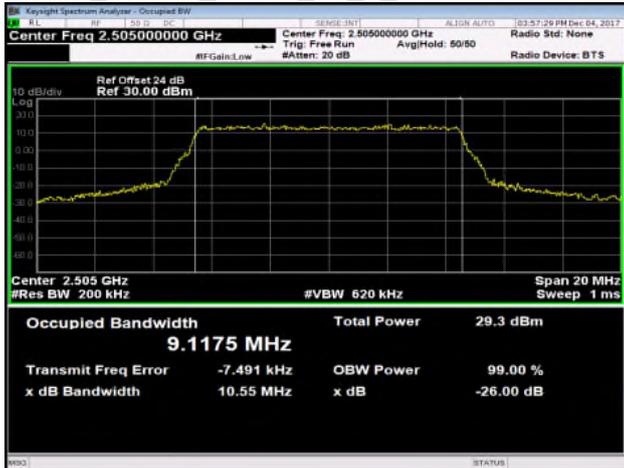
t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

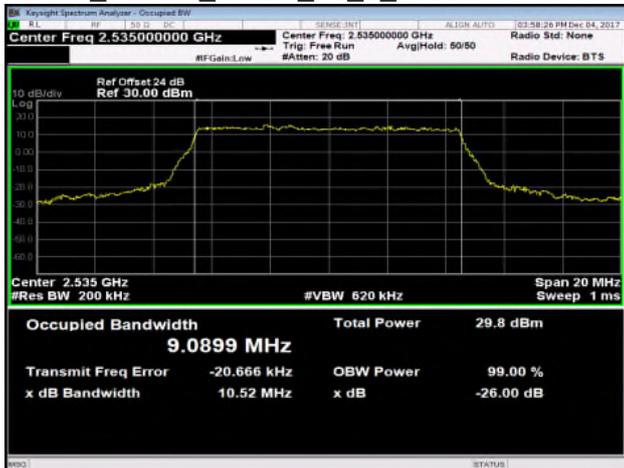
Band7\_10MHz\_QPSK\_50\_0\_LowCH20800-2505



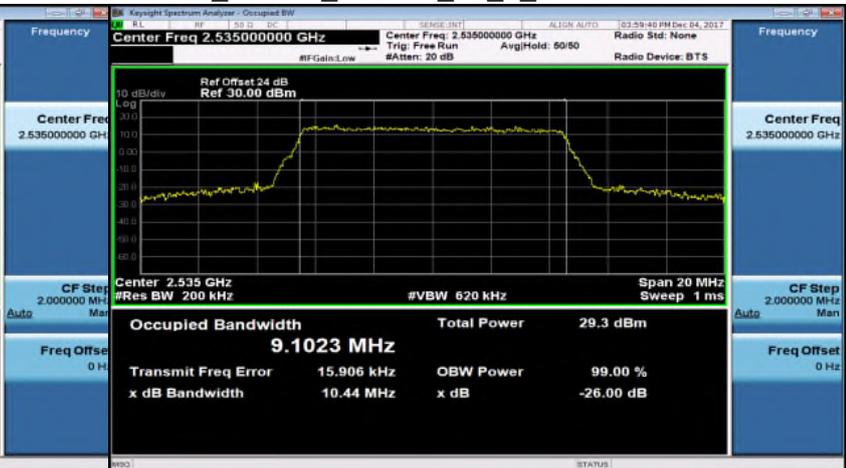
Band7\_10MHz\_16QAM\_50\_0\_LowCH20800-2505



Band7\_10MHz\_QPSK\_50\_0\_MidCH21100-2535



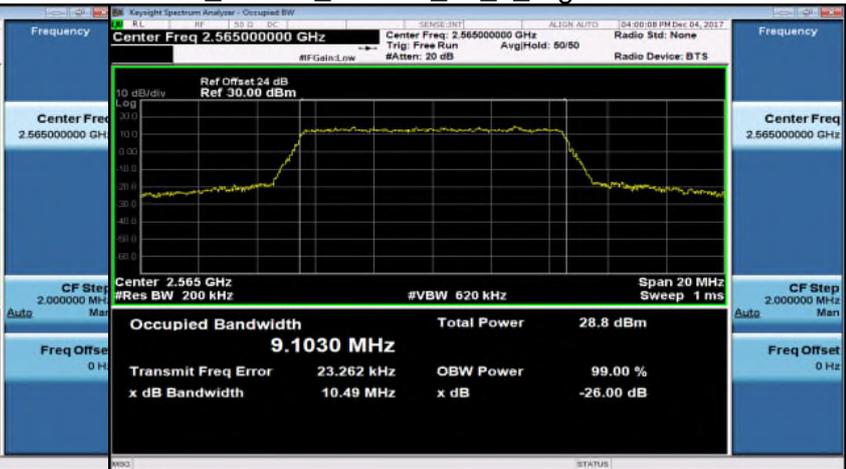
Band7\_10MHz\_16QAM\_50\_0\_MidCH21100-2535



Band7\_10MHz\_QPSK\_50\_0\_HighCH21400-2565



Band7\_10MHz\_16QAM\_50\_0\_HighCH21400-2565



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

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

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

台灣檢驗科技股份有限公司

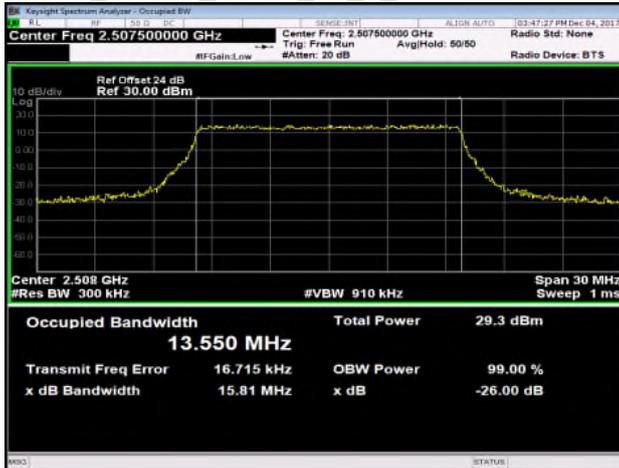
t (886-2) 2299-3279

f (886-2) 2298-0488

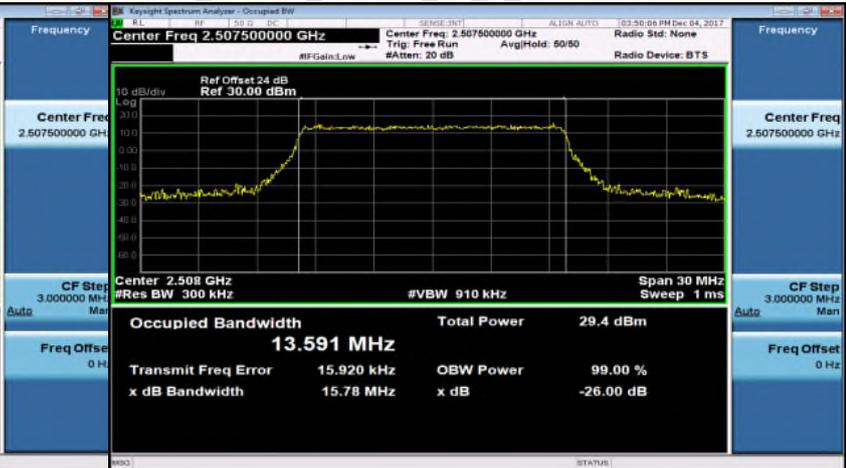
www.tw.sgs.com

Member of SGS Group

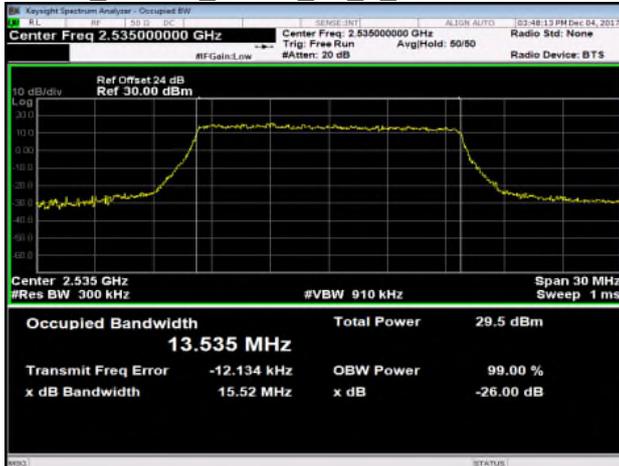
Band7\_15MHz\_QPSK\_75\_0\_LowCH20825-2507.5



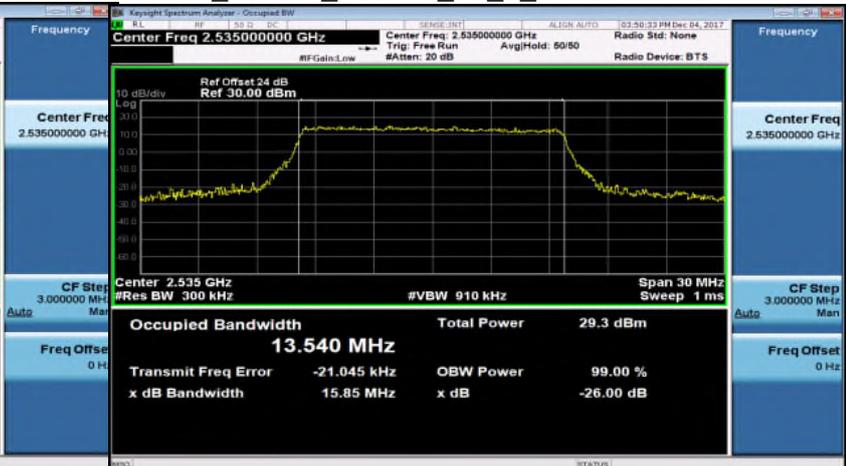
Band7\_15MHz\_16QAM\_75\_0\_LowCH20825-2507.5



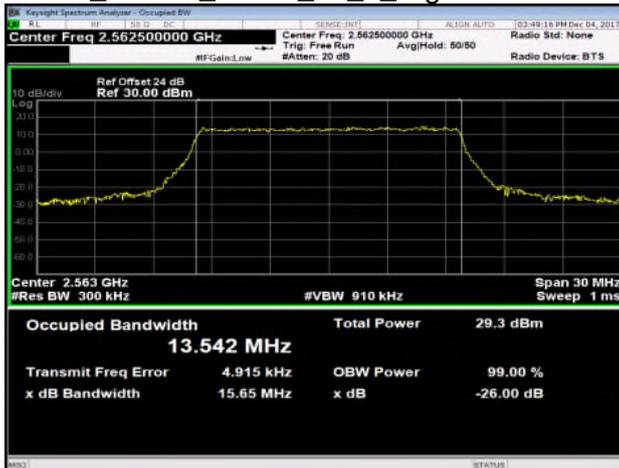
Band7\_15MHz\_QPSK\_75\_0\_MidCH21100-2535



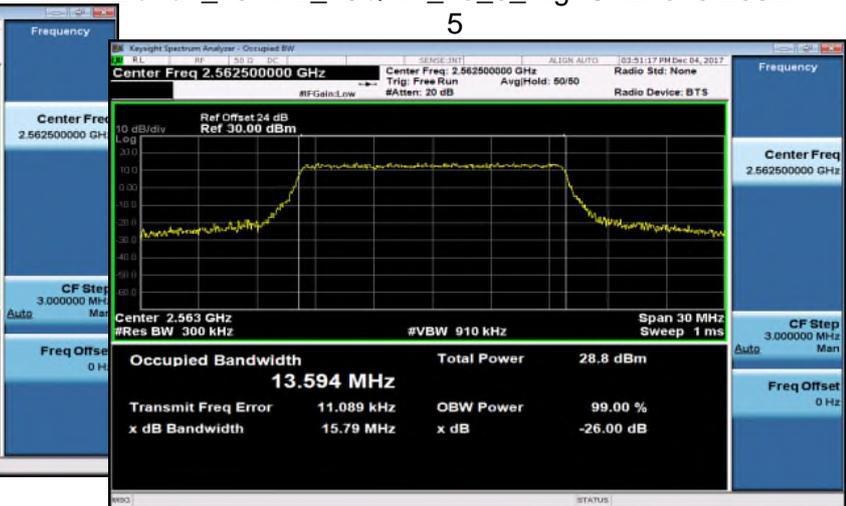
Band7\_15MHz\_16QAM\_75\_0\_MidCH21100-2535



Band7\_15MHz\_QPSK\_75\_0\_HighCH21375-2562.5



Band7\_15MHz\_16QAM\_75\_0\_HighCH21375-2562.5



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

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

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

台灣檢驗科技股份有限公司

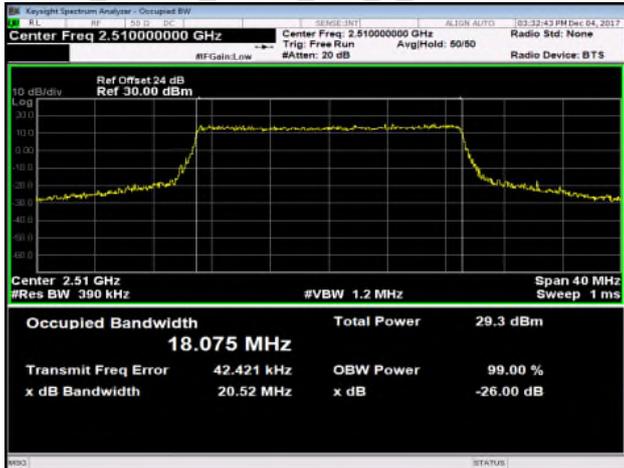
t (886-2) 2299-3279

f (886-2) 2298-0488

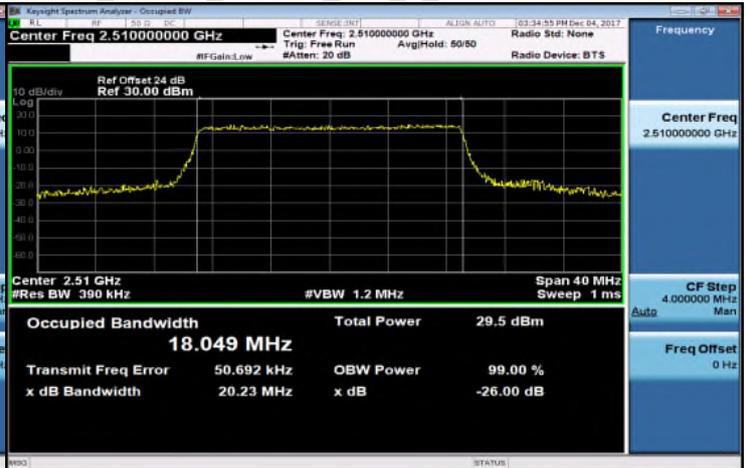
www.tw.sgs.com

Member of SGS Group

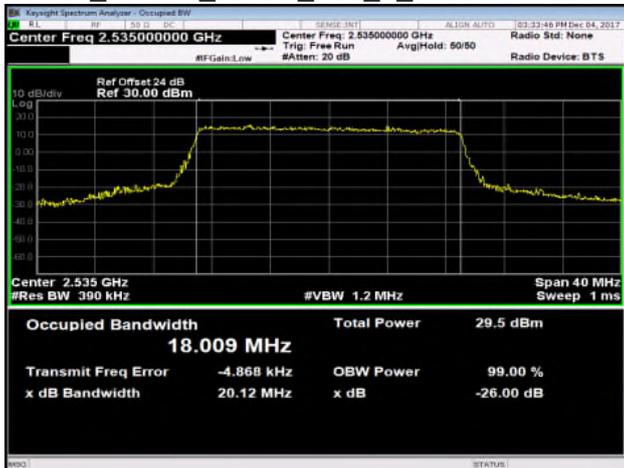
Band7\_20MHz\_QPSK\_100\_0\_LowCH20850-2510



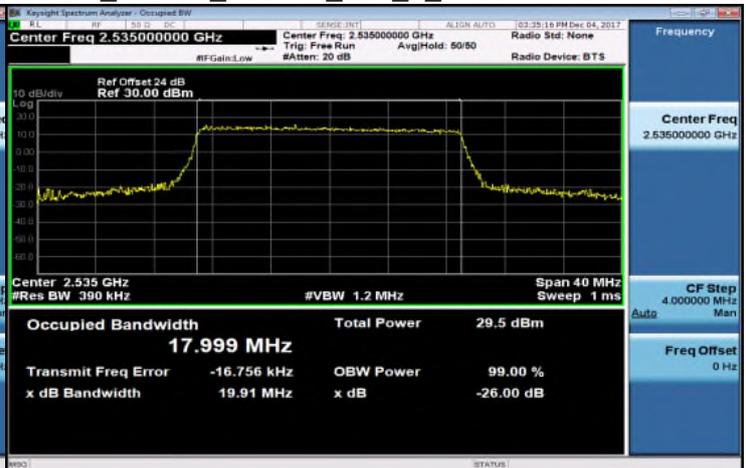
Band7\_20MHz\_16QAM\_100\_0\_LowCH20850-2510



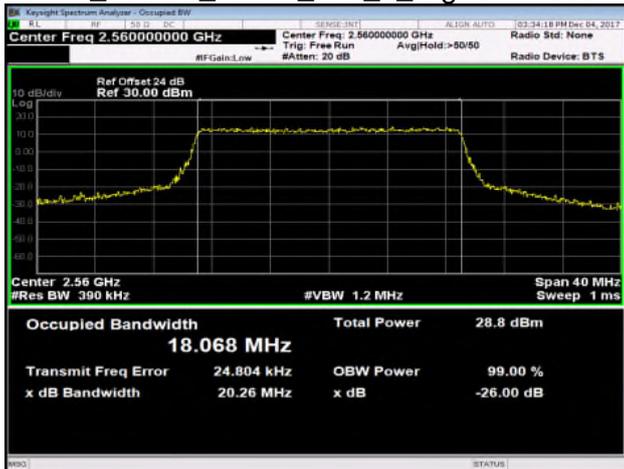
Band7\_20MHz\_QPSK\_100\_0\_MidCH21100-2535



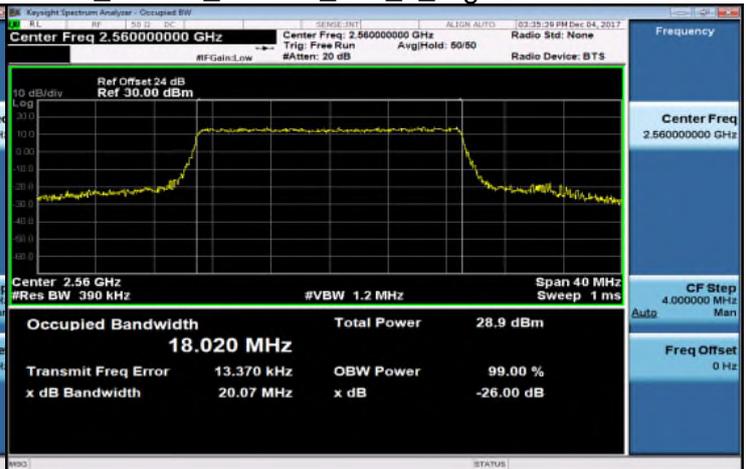
Band7\_20MHz\_16QAM\_100\_0\_MidCH21100-2535



Band7\_20MHz\_QPSK\_100\_0\_HighCH21350-2560



Band7\_20MHz\_16QAM\_100\_0\_HighCH21350-2560



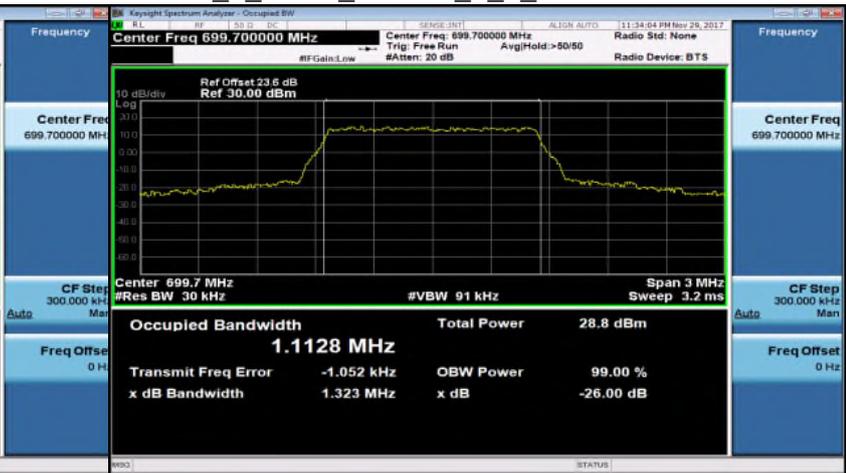
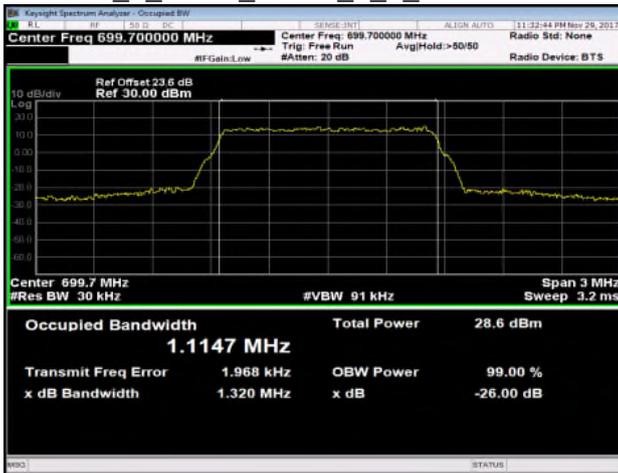
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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

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

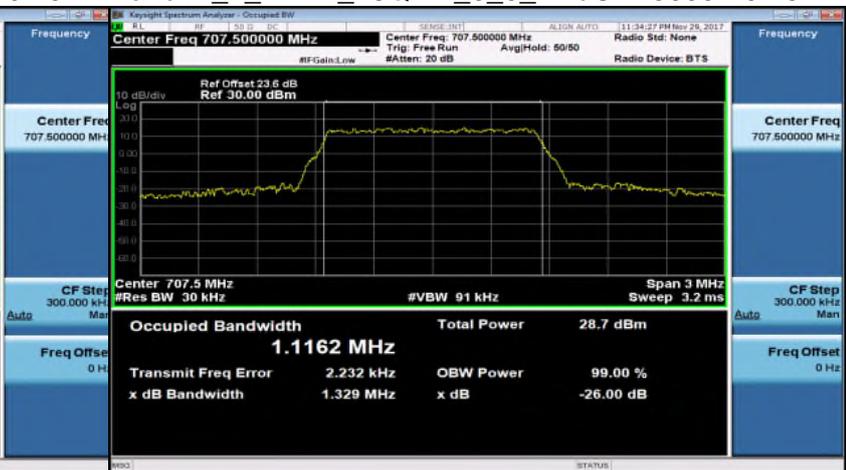
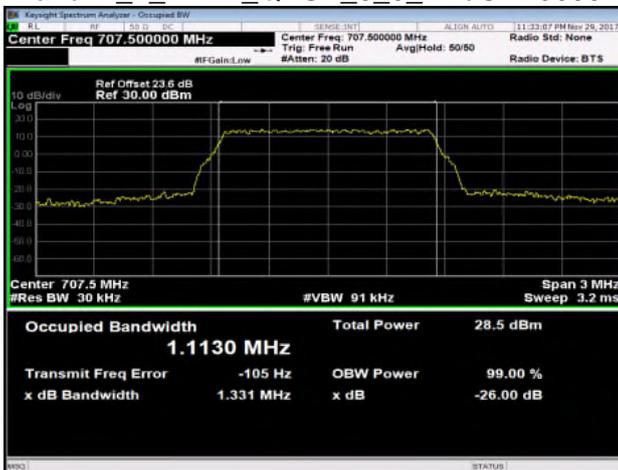
Band12\_1\_4MHz\_QPSK\_6\_0\_LowCH23017-699.7

Band12\_1\_4MHz\_16QAM\_6\_0\_LowCH23017-699.7



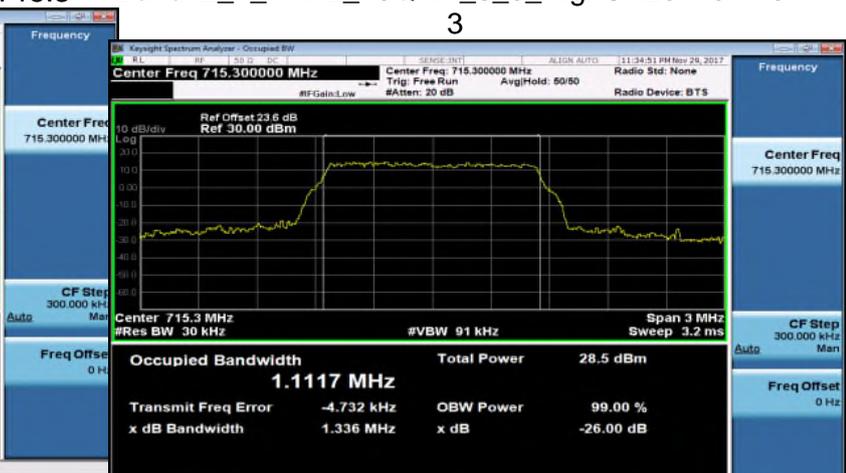
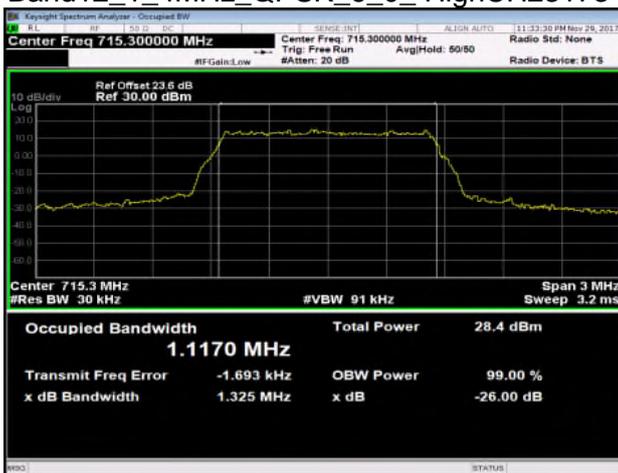
Band12\_1\_4MHz\_QPSK\_6\_0\_MidCH23095-707.5

Band12\_1\_4MHz\_16QAM\_6\_0\_MidCH23095-707.5



Band12\_1\_4MHz\_QPSK\_6\_0\_HighCH23173-715.3

Band12\_1\_4MHz\_16QAM\_6\_0\_HighCH23173-715.3



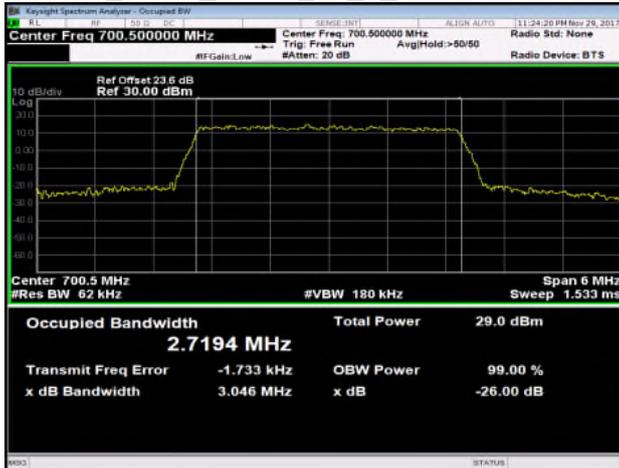
3

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

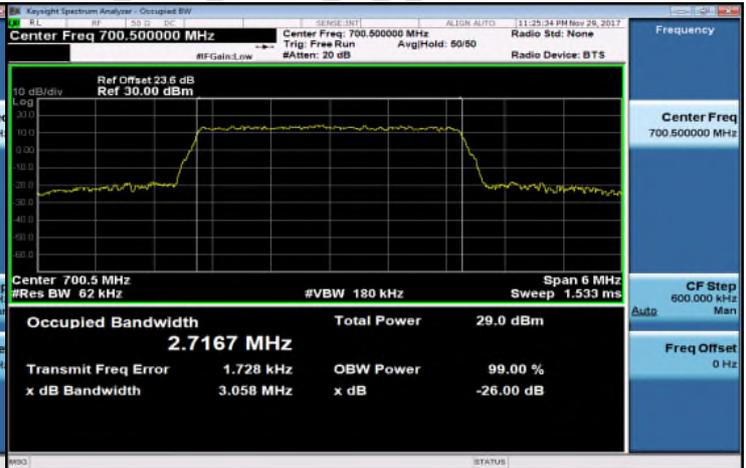
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

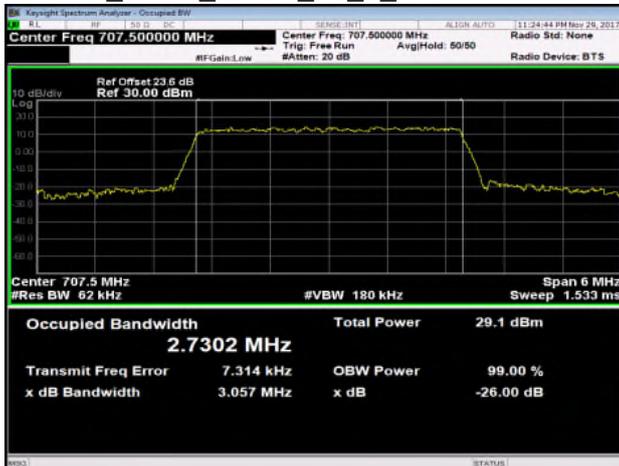
Band12\_3MHz\_QPSK\_15\_0\_LowCH23025-700.5



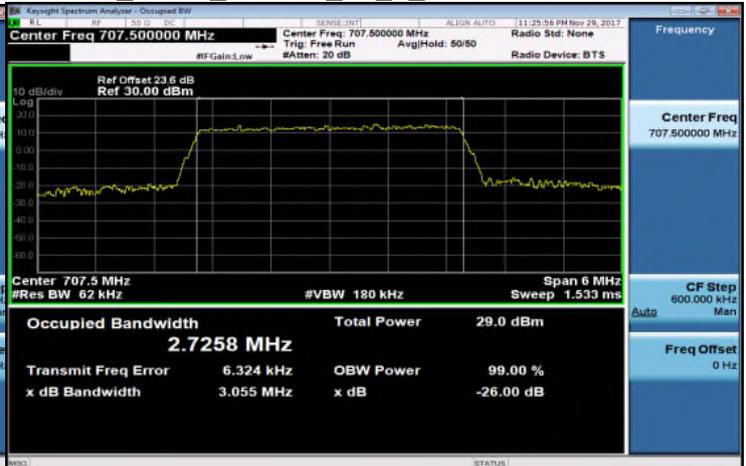
Band12\_3MHz\_16QAM\_15\_0\_LowCH23025-700.5



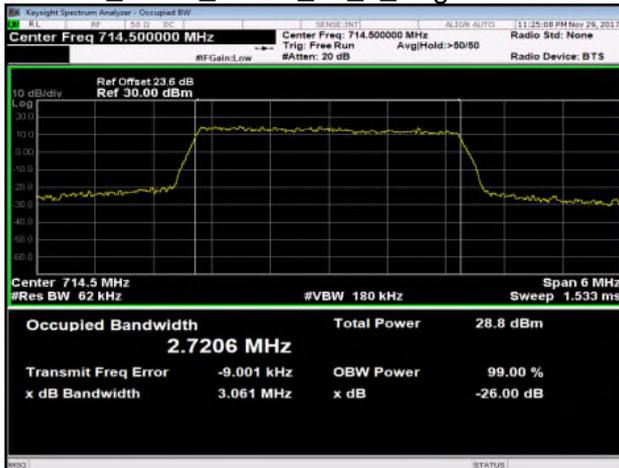
Band12\_3MHz\_QPSK\_15\_0\_MidCH23095-707.5



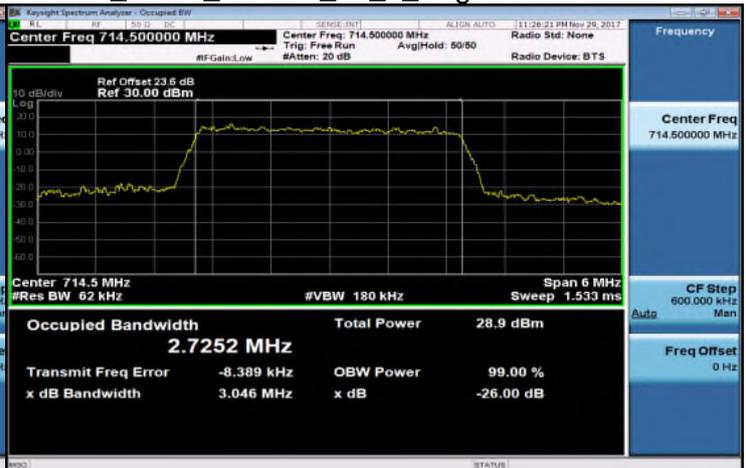
Band12\_3MHz\_16QAM\_15\_0\_MidCH23095-707.5



Band12\_3MHz\_QPSK\_15\_0\_HighCH23165-714.5



Band12\_3MHz\_16QAM\_15\_0\_HighCH23165-714.5



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

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

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

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