

RF Exposure report



The following samples were submitted and identified on behalf of the client as:

EUT Description Wireless module installed in Notebook PC
Brand Name ASUS
Model No. RW350R-GL
Host Model Number: B3405CVA
Applicant ASUSTeK Computer Inc.
1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan
Standards IEEE/ANSI C95.1-1992, IEEE 1528-2013
FCC ID MSQRW350RGL
Date of EUT Receipt Nov. 19, 2024
Date of Test(s) Nov. 21, 2024 ~ Dec. 14, 2024
Date of Issue Jan. 24, 2025

In the configuration tested, the EUT complied with the standards specified above.

Remarks:

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS Taiwan Ltd. Central RF Lab or testing done by SGS Taiwan Ltd. Central RF Lab in connection with distribution or use of the product described in this report must be approved by SGS Taiwan Ltd. Central RF Lab in writing.

Signed on behalf of SGS

Clerk / Cindy Chou	PM / Jasper Wang	Approved By / John Yeh
Cindy Chou	Jasper Wang	John Teh

Date: Jan. 24, 2025

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TESA2411000798EN	00	Initial creation of document	Jan. 15, 2025	Cindy Chou	
TESA2411000798EN	01	Add MIMO 2 B42&B43	Jan. 24, 2025	Cindy Chou	*

Note:

1. The mark " * " is the revised version of the report due to comments submitted by the certification.

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Contents

1	GENERAL INFORMATION	5
1.1	Test Methodology	5
1.2	Description of EUT.....	6
1.3	Maximum value	8
1.4	Antenna Information.....	8
2	MEASUREMENT SYSTEM	9
2.1	Test Facility	9
2.2	SAR System	10
3	SAR SYSTEM VERIFICATION.....	13
3.1	Tissue Simulating Liquid.....	13
3.2	Tissue Simulant Liquid measurement	13
3.3	Measurement results of Tissue Simulant Liquid.....	13
3.4	The composition of the tissue simulating liquid:.....	19
3.5	System check.....	19
3.6	System check results	20
4	TEST CONFIGURATIONS	21
4.1	Test Environment.....	21
4.2	Test Note.....	21
4.3	Test position.....	26
4.4	Proximity sensor operation description	27
4.5	Test limit	35
5	MAXIMUM OUTPUT POWER	38
5.1	WCDMA.....	38
5.2	FDD LTE	40
5.3	TDD LTE	93
5.4	LTE DL CA	129
5.5	LTE Intra-Band UL CA.....	135
5.6	FDD NR	141
5.7	TDD NR	160
5.8	TDD NR ULMIMO	218
6	SUMMARY OF RESULTS	244
6.1	Decision rules	244
6.2	Summary of SAR Results.....	244
6.3	Reporting statements of conformity	250
6.4	Conclusion	250
7	SIMULTANEOUS TRANSMISSION ANALYSIS.....	251
7.1	Simultaneous Transmission Scenarios:	251
7.2	Estimated SAR calculation	252
7.3	SPLSR evaluation and analysis.....	252
7.4	Conclusion	266
8	INSTRUMENTS LIST	267
9	UNCERTAINTY BUDGET	268
10	SAR MEASUREMENT RESULTS	270
11	SAR SYSTEM CHECK RESULTS.....	323

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

12	APPENDIXES	347
12.1	SAR_Appendix A Photographs	347
12.2	SAR_Appendix B DAE & Probe Cal. Certificate	347
12.3	SAR_Appendix C Phantom Description & Dipole Cal. Certificate	347

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

1 GENERAL INFORMATION

1.1 Test Methodology

The SAR testing method and procedure for this device is in accordance with the following standards:

IEEE/ANSI C95.1-1992

IEEE 1528-2013

KDB447498D01v06

KDB865664D01v01r04

KDB865664D02v01r02

KDB616217D04v01r02

KDB941225D01v03r01

KDB941225D05v02r05

KDB941225D05Av01r02

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

1.2 Description of EUT

EUT Description	Wireless module installed in Notebook PC	
Brand Name	ASUS	
Model No.	RW350R-GL	
FCC ID	MSQRW350RGL	
Host Model Number:	B3405CVA	
Duty Cycle	WCDMA	1
	LTE FDD	1
	LTE TDD Power Class 3	0.633
	LTE TDD Power Class 2	0.433
	5G NR	1
Supported radios (TX Frequency Range, MHz)	WCDMA Band II	1850-1910
	WCDMA Band IV	1710-1755
	WCDMA Band V	824-849
	LTE FDD Band 2	1850-1910
	LTE FDD Band 4	1710-1755
	LTE FDD Band 5	824-849
	LTE FDD Band 7	2500-2570
	LTE FDD Band 12	699-716
	LTE FDD Band 13	777-787
	LTE FDD Band 14	788-798
	LTE FDD Band 17	704-716
	LTE FDD Band 25	1850-1915
	LTE FDD Band 26	814-849
	LTE FDD Band 30	2305-2315

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

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

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

Supported radios (TX Frequency Range, MHz)	LTE TDD Band 38 Power Class 2/3	2570-2620
	LTE TDD Band 41 Power Class 2/3	2496-2690
	LTE TDD Band 42 Power Class 2/3	3450-3600
	LTE TDD Band 43	3600-3700
	LTE TDD Band 48 Power Class 2/3	3550-3700
	LTE FDD Band 66	1710-1780
	LTE FDD Band 71	663-698
	n2	1850-1910
	n5	824-849
	n7	2500-2570
	n12	699-716
	n14	788-798
	n25	1850-1915
	n26	814-849
	n30	2305-2315
	n38	2570-2620
	n41	2496-2690
	n48	3550-3700
	n66	1710-1780
	n71	663-698
	n77	3700-3980
	n78	3300-3800

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

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

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

1.3 Maximum value

Summary of Maximum SAR Value	
Mode	Highest SAR 1g (W/kg)
NR n77_PC3_FCC	1.19

1.4 Antenna Information

Vendor	INPAQ									
Antenna	Main									
Part Number	WA-P-S6G1-02-036									
Frequency(MHz)	71	12	17	13	14	26	5	41	42	48
	663~698	699~716	704~716	777~787	788~798	814~849	824~849	2496~2690	3400~3600	3550~3700
Gain (dBi)	-2.00	-2.30	-2.01	-2.12	-0.99	0.06	-0.31	0.13	-0.55	-1.32
Frequency(MHz)	78	77								
	3300~3800	3300~4200								
Gain (dBi)	0.27	0.27								

Note: Antenna information is provided by the applicant.

Vendor	INPAQ									
Antenna	Mimo 2									
Part Number	WA-P-S6G2S6G2-04-003									
Frequency(MHz)	4	66	2	25	30	41	7	38	42	48
	1710~1755	1710~1780	1850~1910	1850~1915	2305~2315	2496~2690	2500~2570	2570~2620	3400~3600	3550~3700
Gain (dBi)	0.51	1.28	1.03	1.08	2.08	0.94	1.14	1.14	-0.77	-0.18
Frequency(MHz)	78	43	77							
	3300~3800	3600~3800	3300~4200							
Gain (dBi)	0.79	0.71	0.79							

Note: Antenna information is provided by the applicant.

Vendor	INNOWAVE									
Antenna	Main									
Part Number	F001G9713114000									
Frequency(MHz)	71	12	17	13	14	26	5	41	42	48
	663~698	699~716	704~716	777~787	788~798	814~849	824~849	2496~2690	3400~3600	3550~3700
Gain (dBi)	0.78	0.54	-1.42	-1.11	-1.04	0.48	0.48	0.49	1.03	-1.01
Frequency(MHz)	78	77								
	3300~3800	3300~4200								
Gain (dBi)	-1.04	-1.12								

Note: Antenna information is provided by the applicant.

Vendor	INNOWAVE									
Antenna	Mimo 2									
Part Number	F001G9713115000									
Frequency(MHz)	4	66	2	25	30	41	7	38	42	48
	1710~1755	1710~1780	1850~1910	1850~1915	2305~2315	2496~2690	2500~2570	2570~2620	3400~3600	3550~3700
Gain (dBi)	-0.26	0.37	1.27	1.27	-0.14	-0.36	-0.36	-1.07	-0.03	-0.6
Frequency(MHz)	78	43	77							
	3300~3800	3600~3800	3300~4200							
Gain (dBi)	-0.6	-0.99	-0.57							

Note: Antenna information is provided by the applicant.

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

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

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

2.1 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation number	IC CAB identifier
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	1F, No. 8, Alley 15, Lane 120, Sec. 1, NeiHu Road, NeiHu District, Taipei City, 11493, Taiwan.	SAR 2	TW0029	TW3702
		SAR 6		
		SAR 8		
	No. 2, Keji 1st Rd., Guishan Township, Taoyuan County, 33383, Taiwan	SAR 1	TW0028	
		SAR 4		
	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan	SAR 3	TW0027	
		SAR 7		

Note: Test site name is remarked on a bolded mark as an indication where measurements occurred in specific test site and address.

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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

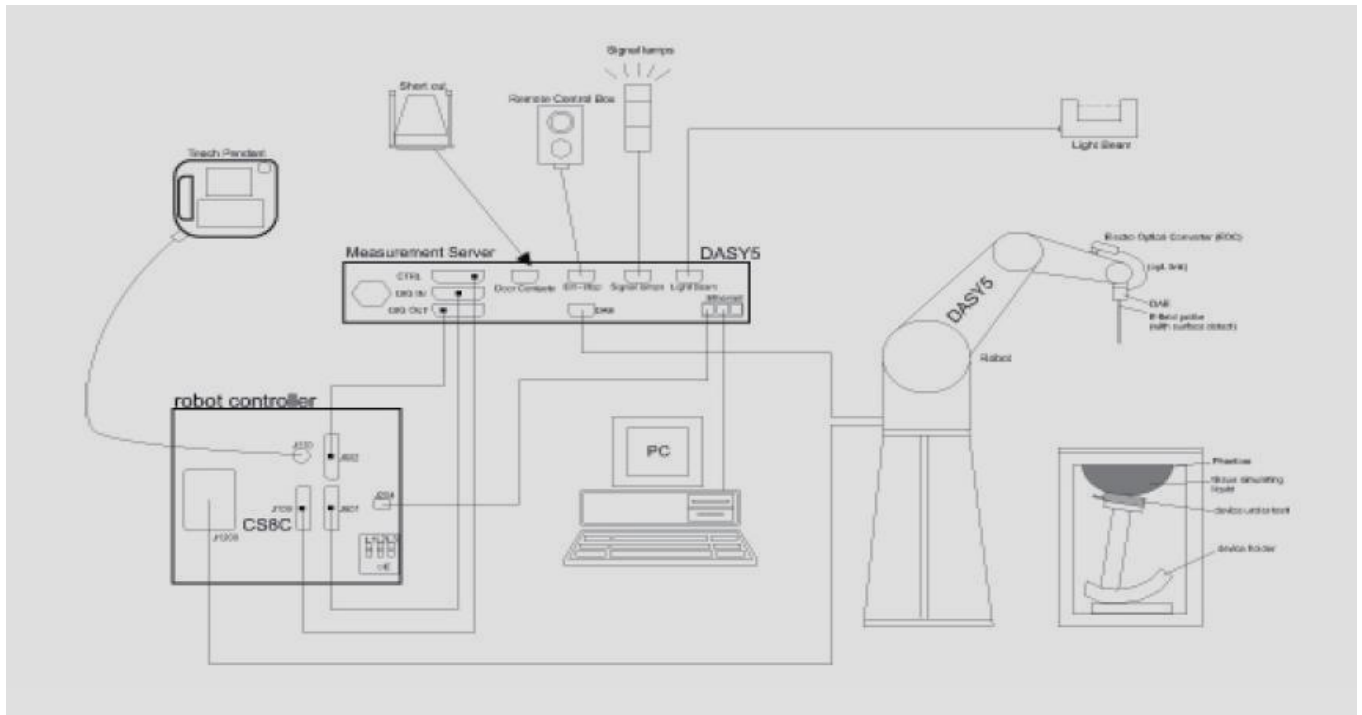
www.sgs.com.tw

Member of SGS Group

2.2 SAR System

Block Diagram (DASY5)

A block diagram of the SAR measurement System is given in below. This SAR measurement system uses a computer-controlled 3-D stepper motor system (SPEAG DASY 5 professional system). The model EX3DV4 field probe is used to determine the internal electric fields. The SAR can be obtained from the equation $SAR = \sigma (|E|)^2 / \rho$ where σ and ρ are the conductivity and mass density of the tissue-simulant.



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

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

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

EX3DV4 E-Field Probe

Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Calibration	Basic Broad Band Calibration in air Conversion Factors (CF) for HSL 750/835/1750/1900/2300/2600/3500/3700/3900 MHz Additional CF for other liquids and frequencies upon request	
Frequency	10 MHz to > 6 GHz	
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)	
Dynamic Range	10 µW/g to > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 µW/g)	
Dimensions	Tip diameter: 2.5 mm	
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precision of better 30%.	

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

PHANTOM (ELI)

Model	ELI	
Construction	The ELI phantom is used for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles.	
Shell Thickness	2 ± 0.2 mm	
Filling Volume	Approx. 30 liters	
Dimensions	Major axis: 600 mm Minor axis: 400 mm	

DEVICE HOLDER

Construction	The device holder (Supporter) for Notebook is made by POM (polyoxymethylene resin) , which is non-metal and non-conductive. The height can be adjusted to fit varies kind of notebooks.	
		Device Holder

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

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

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

3 SAR SYSTEM VERIFICATION

3.1 Tissue Simulating Liquid

For the measurement of the field distribution inside the SAM phantom with DASY, the phantom must be filled with homogeneous tissue simulating liquid. For head SAR testing, the liquid height from the ear rint (ERP) of the phantom to the liquid top surface is larger than 15cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15cm.

3.2 Tissue Simulant Liquid measurement

The dielectric properties for this Head-simulant fluid were measured by using the SPEAG Dielectric Assessment Kit (DAKS-3.5)

All dielectric parameters of tissue simulates were measured within 24 hours of SAR measurements. The measured conductivity and permittivity are all within $\pm 5\%$ of the target values.

3.3 Measurement results of Tissue Simulant Liquid

Measured Frequency (MHz)	Target Dielectric Constant, ϵ_r	Target Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ_r	Measured Conductivity, σ (S/m)	% dev ϵ_r	% dev σ	Limit	Measurement Date
673	42.311	0.885	43.090	0.887	1.84%	0.24%	$\pm 5\%$	Nov. 21, 2024
680.5	42.271	0.885	43.082	0.888	1.92%	0.30%	$\pm 5\%$	Nov. 21, 2024
688	42.231	0.886	43.072	0.889	1.99%	0.35%	$\pm 5\%$	Nov. 21, 2024
704	42.145	0.887	43.053	0.890	2.15%	0.35%	$\pm 5\%$	Nov. 21, 2024
706.5	42.132	0.887	43.051	0.891	2.18%	0.44%	$\pm 5\%$	Nov. 21, 2024
707.5	42.127	0.887	43.050	0.892	2.19%	0.54%	$\pm 5\%$	Nov. 21, 2024
708.5	42.121	0.887	43.049	0.893	2.20%	0.65%	$\pm 5\%$	Nov. 21, 2024
709	42.119	0.887	43.048	0.894	2.21%	0.76%	$\pm 5\%$	Nov. 21, 2024
710	42.113	0.887	43.047	0.895	2.22%	0.86%	$\pm 5\%$	Nov. 21, 2024
711	42.108	0.887	43.046	0.896	2.23%	0.97%	$\pm 5\%$	Nov. 21, 2024
750	41.900	0.890	42.999	0.899	2.62%	1.01%	$\pm 5\%$	Nov. 21, 2024
782	41.749	0.894	42.963	0.902	2.91%	0.92%	$\pm 5\%$	Nov. 21, 2024
793	41.698	0.895	42.951	0.903	3.01%	0.89%	$\pm 5\%$	Nov. 21, 2024
673	42.311	0.885	42.989	0.888	1.60%	0.35%	$\pm 5\%$	Nov. 22, 2024
680.5	42.271	0.885	42.981	0.889	1.68%	0.41%	$\pm 5\%$	Nov. 22, 2024
688	42.231	0.886	42.971	0.890	1.75%	0.47%	$\pm 5\%$	Nov. 22, 2024
704	42.145	0.887	42.952	0.891	1.91%	0.46%	$\pm 5\%$	Nov. 22, 2024
706.5	42.132	0.887	42.950	0.892	1.94%	0.55%	$\pm 5\%$	Nov. 22, 2024
707.5	42.127	0.887	42.949	0.893	1.95%	0.66%	$\pm 5\%$	Nov. 22, 2024
708.5	42.121	0.887	42.948	0.894	1.96%	0.76%	$\pm 5\%$	Nov. 22, 2024
709	42.119	0.887	42.947	0.895	1.97%	0.87%	$\pm 5\%$	Nov. 22, 2024
710	42.113	0.887	42.946	0.896	1.98%	0.98%	$\pm 5\%$	Nov. 22, 2024
711	42.108	0.887	42.945	0.897	1.99%	1.08%	$\pm 5\%$	Nov. 22, 2024
750	41.900	0.890	42.898	0.900	2.38%	1.12%	$\pm 5\%$	Nov. 22, 2024
782	41.749	0.894	42.862	0.903	2.66%	1.03%	$\pm 5\%$	Nov. 22, 2024
793	41.698	0.895	42.850	0.904	2.76%	1.00%	$\pm 5\%$	Nov. 22, 2024

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

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

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

821.5	41.564	0.898	42.431	0.907	2.09%	0.96%	± 5%	Nov. 23, 2024
824	41.552	0.899	42.427	0.908	2.11%	1.03%	± 5%	Nov. 23, 2024
826.4	41.540	0.899	42.425	0.909	2.13%	1.11%	± 5%	Nov. 23, 2024
829	41.528	0.899	42.421	0.910	2.15%	1.19%	± 5%	Nov. 23, 2024
831.5	41.516	0.900	42.419	0.911	2.17%	1.27%	± 5%	Nov. 23, 2024
834	41.505	0.900	42.416	0.912	2.20%	1.35%	± 5%	Nov. 23, 2024
835	41.500	0.900	42.415	0.913	2.20%	1.44%	± 5%	Nov. 23, 2024
836.5	41.500	0.902	42.414	0.914	2.20%	1.37%	± 5%	Nov. 23, 2024
836.6	41.500	0.902	42.413	0.915	2.20%	1.47%	± 5%	Nov. 23, 2024
839	41.500	0.904	42.410	0.917	2.19%	1.40%	± 5%	Nov. 23, 2024
841.5	41.500	0.907	42.408	0.919	2.19%	1.32%	± 5%	Nov. 23, 2024
844	41.500	0.910	42.404	0.921	2.18%	1.24%	± 5%	Nov. 23, 2024
846.6	41.500	0.912	42.402	0.923	2.17%	1.15%	± 5%	Nov. 23, 2024
821.5	41.564	0.898	42.384	0.909	1.97%	1.18%	± 5%	Nov. 24, 2024
824	41.552	0.899	42.380	0.910	1.99%	1.26%	± 5%	Nov. 24, 2024
826.4	41.540	0.899	42.378	0.911	2.02%	1.34%	± 5%	Nov. 24, 2024
829	41.528	0.899	42.374	0.912	2.04%	1.41%	± 5%	Nov. 24, 2024
831.5	41.516	0.900	42.372	0.913	2.06%	1.49%	± 5%	Nov. 24, 2024
834	41.505	0.900	42.369	0.914	2.08%	1.57%	± 5%	Nov. 24, 2024
835	41.500	0.900	42.368	0.915	2.09%	1.67%	± 5%	Nov. 24, 2024
836.5	41.500	0.902	42.367	0.916	2.09%	1.60%	± 5%	Nov. 24, 2024
836.6	41.500	0.902	42.366	0.917	2.09%	1.69%	± 5%	Nov. 24, 2024
839	41.500	0.904	42.363	0.919	2.08%	1.62%	± 5%	Nov. 24, 2024
841.5	41.500	0.907	42.361	0.921	2.07%	1.54%	± 5%	Nov. 24, 2024
844	41.500	0.910	42.357	0.923	2.07%	1.46%	± 5%	Nov. 24, 2024
846.6	41.500	0.912	42.355	0.925	2.06%	1.37%	± 5%	Nov. 24, 2024
1712.4	40.125	1.350	40.987	1.367	2.15%	1.26%	± 5%	Nov. 25, 2024
1720	40.114	1.354	40.978	1.369	2.15%	1.09%	± 5%	Nov. 25, 2024
1732.4	40.097	1.361	40.964	1.378	2.16%	1.22%	± 5%	Nov. 25, 2024
1732.5	40.096	1.361	40.963	1.379	2.16%	1.29%	± 5%	Nov. 25, 2024
1745	40.079	1.369	40.947	1.387	2.17%	1.35%	± 5%	Nov. 25, 2024
1750	40.071	1.371	40.941	1.390	2.17%	1.35%	± 5%	Nov. 25, 2024
1752.6	40.068	1.373	40.938	1.392	2.17%	1.39%	± 5%	Nov. 25, 2024
1770	40.043	1.383	40.917	1.401	2.18%	1.31%	± 5%	Nov. 25, 2024
1860	40.000	1.400	40.868	1.426	2.17%	1.86%	± 5%	Nov. 26, 2024
1880	40.000	1.400	40.844	1.430	2.11%	2.14%	± 5%	Nov. 26, 2024
1882.5	40.000	1.400	40.841	1.431	2.10%	2.21%	± 5%	Nov. 26, 2024
1900	40.000	1.400	40.831	1.434	2.08%	2.43%	± 5%	Nov. 26, 2024
1905	40.000	1.400	40.825	1.437	2.06%	2.64%	± 5%	Nov. 26, 2024

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

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

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

1852.4	40.000	1.400	40.829	1.425	2.07%	1.79%	± 5%	Nov. 27, 2024
1860	40.000	1.400	40.815	1.428	2.04%	2.00%	± 5%	Nov. 27, 2024
1880	40.000	1.400	40.791	1.432	1.98%	2.29%	± 5%	Nov. 27, 2024
1882.5	40.000	1.400	40.788	1.433	1.97%	2.36%	± 5%	Nov. 27, 2024
1900	40.000	1.400	40.778	1.436	1.95%	2.57%	± 5%	Nov. 27, 2024
1905	40.000	1.400	40.772	1.439	1.93%	2.79%	± 5%	Nov. 27, 2024
1907.6	40.000	1.400	40.769	1.440	1.92%	2.86%	± 5%	Nov. 27, 2024
2300	39.500	1.670	40.320	1.701	2.08%	1.86%	± 5%	Nov. 28, 2024
2310	39.480	1.679	40.308	1.710	2.10%	1.87%	± 5%	Nov. 28, 2024
2506	39.125	1.860	39.898	1.868	1.97%	0.44%	± 5%	Nov. 29, 2024
2510	39.120	1.864	39.893	1.872	1.98%	0.43%	± 5%	Nov. 29, 2024
2546.01	39.072	1.902	39.850	1.915	1.99%	0.66%	± 5%	Nov. 29, 2024
2549.5	39.067	1.906	39.847	1.919	2.00%	0.68%	± 5%	Nov. 29, 2024
2592.99	39.009	1.953	39.796	1.965	2.02%	0.64%	± 5%	Nov. 29, 2024
2593	39.009	1.953	39.795	1.966	2.01%	0.69%	± 5%	Nov. 29, 2024
2600	39.000	1.960	39.787	1.973	2.02%	0.66%	± 5%	Nov. 29, 2024
2636.5	38.954	2.000	39.744	2.012	2.03%	0.59%	± 5%	Nov. 29, 2024
2640	38.950	2.004	39.739	2.016	2.03%	0.60%	± 5%	Nov. 29, 2024
2680	38.900	2.048	39.691	2.060	2.03%	0.59%	± 5%	Nov. 29, 2024
2506	39.125	1.860	39.861	1.879	1.88%	1.04%	± 5%	Nov. 30, 2024
2510	39.120	1.864	39.856	1.883	1.88%	1.02%	± 5%	Nov. 30, 2024
2546.01	39.072	1.902	39.813	1.926	1.90%	1.24%	± 5%	Nov. 30, 2024
2549.5	39.067	1.906	39.810	1.930	1.90%	1.25%	± 5%	Nov. 30, 2024
2592.99	39.009	1.953	39.759	1.976	1.92%	1.20%	± 5%	Nov. 30, 2024
2593	39.009	1.953	39.758	1.977	1.92%	1.25%	± 5%	Nov. 30, 2024
2600	39.000	1.960	39.750	1.984	1.92%	1.22%	± 5%	Nov. 30, 2024
2636.5	38.954	2.000	39.707	2.023	1.93%	1.14%	± 5%	Nov. 30, 2024
2640	38.950	2.004	39.702	2.027	1.93%	1.15%	± 5%	Nov. 30, 2024
2680	38.900	2.048	39.654	2.071	1.94%	1.12%	± 5%	Nov. 30, 2024
2506	39.125	1.860	39.824	1.884	1.79%	1.30%	± 5%	Dec. 01, 2024
2510	39.120	1.864	39.819	1.888	1.79%	1.29%	± 5%	Dec. 01, 2024
2535	39.087	1.891	39.789	1.915	1.80%	1.29%	± 5%	Dec. 01, 2024
2549.5	39.067	1.906	39.771	1.935	1.80%	1.51%	± 5%	Dec. 01, 2024
2560	39.053	1.917	39.759	1.946	1.81%	1.50%	± 5%	Dec. 01, 2024
2580	39.027	1.939	39.737	1.968	1.82%	1.51%	± 5%	Dec. 01, 2024
2593	39.009	1.953	39.722	1.982	1.83%	1.51%	± 5%	Dec. 01, 2024
2595	39.007	1.955	39.720	1.986	1.83%	1.60%	± 5%	Dec. 01, 2024
2600	39.000	1.960	39.714	1.989	1.83%	1.48%	± 5%	Dec. 01, 2024
2610	38.988	1.971	39.702	1.998	1.83%	1.37%	± 5%	Dec. 01, 2024
2636.5	38.954	2.000	39.671	2.028	1.84%	1.39%	± 5%	Dec. 01, 2024
2680	38.900	2.048	39.619	2.076	1.85%	1.37%	± 5%	Dec. 01, 2024

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

2510	39.120	1.864	39.774	1.894	1.67%	1.61%	± 5%	Dec. 02, 2024
2535	39.087	1.891	39.744	1.921	1.68%	1.60%	± 5%	Dec. 02, 2024
2546.01	39.072	1.902	39.731	1.932	1.69%	1.56%	± 5%	Dec. 02, 2024
2560	39.053	1.917	39.716	1.947	1.70%	1.55%	± 5%	Dec. 02, 2024
2580	39.027	1.939	39.694	1.969	1.71%	1.56%	± 5%	Dec. 02, 2024
2592.99	39.009	1.953	39.679	1.984	1.72%	1.61%	± 5%	Dec. 02, 2024
2595	39.007	1.955	39.676	1.987	1.72%	1.65%	± 5%	Dec. 02, 2024
2600	39.000	1.960	39.670	1.992	1.72%	1.63%	± 5%	Dec. 02, 2024
2610	38.988	1.971	39.658	2.001	1.72%	1.52%	± 5%	Dec. 02, 2024
2640	38.950	2.004	39.616	2.032	1.71%	1.40%	± 5%	Dec. 02, 2024
2506	39.125	1.860	39.742	1.894	1.58%	1.84%	± 5%	Dec. 03, 2024
2510	39.120	1.864	39.737	1.898	1.58%	1.82%	± 5%	Dec. 03, 2024
2535	39.087	1.891	39.707	1.925	1.59%	1.82%	± 5%	Dec. 03, 2024
2549.5	39.067	1.906	39.689	1.940	1.59%	1.78%	± 5%	Dec. 03, 2024
2560	39.053	1.917	39.677	1.951	1.60%	1.76%	± 5%	Dec. 03, 2024
2580	39.027	1.939	39.655	1.973	1.61%	1.77%	± 5%	Dec. 03, 2024
2593	39.009	1.953	39.640	1.987	1.62%	1.77%	± 5%	Dec. 03, 2024
2595	39.007	1.955	39.638	1.989	1.62%	1.76%	± 5%	Dec. 03, 2024
2600	39.000	1.960	39.632	1.994	1.62%	1.73%	± 5%	Dec. 03, 2024
2610	38.988	1.971	39.620	2.005	1.62%	1.73%	± 5%	Dec. 03, 2024
2636.5	38.954	2.000	39.589	2.036	1.63%	1.79%	± 5%	Dec. 03, 2024
2680	38.900	2.048	39.537	2.084	1.64%	1.76%	± 5%	Dec. 03, 2024
2510	39.120	1.864	39.723	1.902	1.54%	2.04%	± 5%	Dec. 04, 2024
2535	39.087	1.891	39.693	1.930	1.55%	2.08%	± 5%	Dec. 04, 2024
2546.01	39.072	1.902	39.680	1.941	1.56%	2.03%	± 5%	Dec. 04, 2024
2560	39.053	1.917	39.665	1.956	1.57%	2.02%	± 5%	Dec. 04, 2024
2580	39.027	1.939	39.643	1.978	1.58%	2.03%	± 5%	Dec. 04, 2024
2592.99	39.009	1.953	39.628	1.992	1.59%	2.02%	± 5%	Dec. 04, 2024
2595	39.007	1.955	39.625	1.994	1.59%	2.01%	± 5%	Dec. 04, 2024
2600	39.000	1.960	39.619	1.999	1.59%	1.99%	± 5%	Dec. 04, 2024
2610	38.988	1.971	39.607	2.010	1.59%	1.98%	± 5%	Dec. 04, 2024
2640	38.950	2.004	39.565	2.041	1.58%	1.85%	± 5%	Dec. 04, 2024
3499.995	37.900	2.910	38.642	2.926	1.96%	0.55%	± 5%	Dec. 05, 2024
3500	37.900	2.910	38.641	2.927	1.96%	0.58%	± 5%	Dec. 05, 2024
3500.01	37.900	2.910	38.640	2.928	1.95%	0.62%	± 5%	Dec. 05, 2024
3537.51	37.862	2.949	38.596	2.967	1.94%	0.61%	± 5%	Dec. 05, 2024
3560	37.840	2.972	38.568	2.990	1.92%	0.59%	± 5%	Dec. 05, 2024
3570	37.830	2.983	38.556	3.001	1.92%	0.61%	± 5%	Dec. 05, 2024
3575.01	37.825	2.988	38.550	3.006	1.92%	0.60%	± 5%	Dec. 05, 2024

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

3499.995	37.900	2.910	38.599	2.929	1.84%	0.65%	± 5%	Dec. 06, 2024
3500	37.900	2.910	38.598	2.930	1.84%	0.69%	± 5%	Dec. 06, 2024
3500.01	37.900	2.910	38.597	2.931	1.84%	0.72%	± 5%	Dec. 06, 2024
3537.51	37.862	2.949	38.553	2.970	1.82%	0.71%	± 5%	Dec. 06, 2024
3560	37.840	2.972	38.525	2.993	1.81%	0.69%	± 5%	Dec. 06, 2024
3570	37.830	2.983	38.513	3.004	1.81%	0.71%	± 5%	Dec. 06, 2024
3575.01	37.825	2.988	38.507	3.009	1.80%	0.70%	± 5%	Dec. 06, 2024
3499.995	37.900	2.910	38.528	2.936	1.66%	0.89%	± 5%	Dec. 07, 2024
3500	37.900	2.910	38.527	2.937	1.65%	0.93%	± 5%	Dec. 07, 2024
3500.01	37.900	2.910	38.526	2.938	1.65%	0.96%	± 5%	Dec. 07, 2024
3509	37.891	2.919	38.518	2.947	1.65%	0.96%	± 5%	Dec. 07, 2024
3537.51	37.862	2.949	38.482	2.977	1.64%	0.95%	± 5%	Dec. 07, 2024
3560	37.840	2.972	38.454	3.000	1.62%	0.93%	± 5%	Dec. 07, 2024
3570	37.830	2.983	38.442	3.011	1.62%	0.95%	± 5%	Dec. 07, 2024
3575.01	37.825	2.988	38.436	3.016	1.62%	0.94%	± 5%	Dec. 07, 2024
3499.995	37.900	2.910	38.490	2.947	1.56%	1.27%	± 5%	Dec. 08, 2024
3500	37.900	2.910	38.489	2.948	1.55%	1.31%	± 5%	Dec. 08, 2024
3500.01	37.900	2.910	38.488	2.949	1.55%	1.34%	± 5%	Dec. 08, 2024
3509	37.891	2.919	38.480	2.957	1.55%	1.34%	± 5%	Dec. 08, 2024
3537.51	37.862	2.949	38.444	2.988	1.54%	1.32%	± 5%	Dec. 08, 2024
3560	37.840	2.972	38.416	3.011	1.52%	1.30%	± 5%	Dec. 08, 2024
3570	37.830	2.983	38.404	3.022	1.52%	1.31%	± 5%	Dec. 08, 2024
3575.01	37.825	2.988	38.398	3.027	1.51%	1.30%	± 5%	Dec. 08, 2024
3609	37.791	3.023	38.262	3.057	1.25%	1.11%	± 5%	Dec. 09, 2024
3612.51	37.787	3.027	38.259	3.061	1.25%	1.12%	± 5%	Dec. 09, 2024
3625.02	37.775	3.040	38.243	3.073	1.24%	1.08%	± 5%	Dec. 09, 2024
3641	37.759	3.057	38.224	3.090	1.23%	1.09%	± 5%	Dec. 09, 2024
3650.01	37.750	3.066	38.213	3.099	1.23%	1.08%	± 5%	Dec. 09, 2024
3665	37.735	3.082	38.196	3.155	1.23%	1.08%	± 5%	Dec. 09, 2024
3679.98	37.720	3.097	38.177	3.130	1.21%	1.06%	± 5%	Dec. 09, 2024
3690	37.710	3.108	38.165	3.141	1.21%	1.07%	± 5%	Dec. 09, 2024
3700	37.700	3.118	38.153	3.151	1.20%	1.06%	± 5%	Dec. 09, 2024
3750	37.650	3.170	38.093	3.203	1.18%	1.04%	± 5%	Dec. 09, 2024
3795	37.605	3.217	38.039	3.251	1.15%	1.06%	± 5%	Dec. 09, 2024
3609	37.791	3.023	38.221	3.063	1.14%	1.31%	± 5%	Dec. 10, 2024
3612.51	37.787	3.027	38.218	3.067	1.14%	1.32%	± 5%	Dec. 10, 2024
3625.02	37.775	3.040	38.202	3.079	1.13%	1.28%	± 5%	Dec. 10, 2024
3641	37.759	3.057	38.183	3.096	1.12%	1.29%	± 5%	Dec. 10, 2024
3650.01	37.750	3.066	38.172	3.105	1.12%	1.27%	± 5%	Dec. 10, 2024
3679.98	37.720	3.097	38.136	3.136	1.10%	1.25%	± 5%	Dec. 10, 2024
3690	37.710	3.108	38.124	3.147	1.10%	1.27%	± 5%	Dec. 10, 2024
3700	37.700	3.118	38.112	3.157	1.09%	1.25%	± 5%	Dec. 10, 2024
3750	37.650	3.170	38.052	3.209	1.07%	1.23%	± 5%	Dec. 10, 2024
3795	37.605	3.217	37.998	3.257	1.05%	1.25%	± 5%	Dec. 10, 2024

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

3609	37.791	3.023	38.195	3.071	1.07%	1.58%	± 5%	Dec. 11, 2024
3612.51	37.787	3.027	38.192	3.075	1.07%	1.59%	± 5%	Dec. 11, 2024
3625.02	37.775	3.040	38.176	3.087	1.06%	1.55%	± 5%	Dec. 11, 2024
3641	37.759	3.057	38.157	3.104	1.05%	1.55%	± 5%	Dec. 11, 2024
3650.01	37.750	3.066	38.146	3.113	1.05%	1.53%	± 5%	Dec. 11, 2024
3679.98	37.720	3.097	38.110	3.144	1.03%	1.51%	± 5%	Dec. 11, 2024
3690	37.710	3.108	38.098	3.155	1.03%	1.53%	± 5%	Dec. 11, 2024
3700	37.700	3.118	38.086	3.165	1.02%	1.51%	± 5%	Dec. 11, 2024
3750	37.650	3.170	38.026	3.217	1.00%	1.48%	± 5%	Dec. 11, 2024
3795	37.605	3.217	37.972	3.265	0.98%	1.50%	± 5%	Dec. 11, 2024
3609	37.791	3.023	38.172	3.075	1.01%	1.71%	± 5%	Dec. 12, 2024
3612.51	37.787	3.027	38.169	3.079	1.01%	1.72%	± 5%	Dec. 12, 2024
3625.02	37.775	3.040	38.153	3.091	1.00%	1.68%	± 5%	Dec. 12, 2024
3641	37.759	3.057	38.134	3.108	0.99%	1.68%	± 5%	Dec. 12, 2024
3650.01	37.750	3.066	38.123	3.117	0.99%	1.66%	± 5%	Dec. 12, 2024
3665	37.735	3.082	38.107	3.133	0.99%	1.66%	± 5%	Dec. 12, 2024
3679.98	37.720	3.097	38.087	3.148	0.97%	1.64%	± 5%	Dec. 12, 2024
3690	37.710	3.108	38.075	3.159	0.97%	1.65%	± 5%	Dec. 12, 2024
3700	37.700	3.118	38.063	3.169	0.96%	1.64%	± 5%	Dec. 12, 2024
3750	37.650	3.170	38.003	3.221	0.94%	1.61%	± 5%	Dec. 12, 2024
3795	37.605	3.217	37.949	3.269	0.91%	1.62%	± 5%	Dec. 12, 2024
3840	37.560	3.264	37.848	3.307	0.77%	1.33%	± 5%	Dec. 13, 2024
3885	37.515	3.310	37.794	3.353	0.74%	1.29%	± 5%	Dec. 13, 2024
3900	37.500	3.326	37.776	3.370	0.74%	1.32%	± 5%	Dec. 13, 2024
3930	37.470	3.357	37.740	3.401	0.72%	1.30%	± 5%	Dec. 13, 2024
3840	37.560	3.264	37.813	3.314	0.67%	1.54%	± 5%	Dec. 14, 2024
3885	37.515	3.310	37.759	3.360	0.65%	1.50%	± 5%	Dec. 14, 2024
3900	37.500	3.326	37.741	3.377	0.64%	1.53%	± 5%	Dec. 14, 2024
3930	37.470	3.357	37.705	3.408	0.63%	1.51%	± 5%	Dec. 14, 2024

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

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

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

3.4 The composition of the tissue simulating liquid:

Simulating Liquids for 600 MHz -10 GHz, Manufactured by SPEAG:

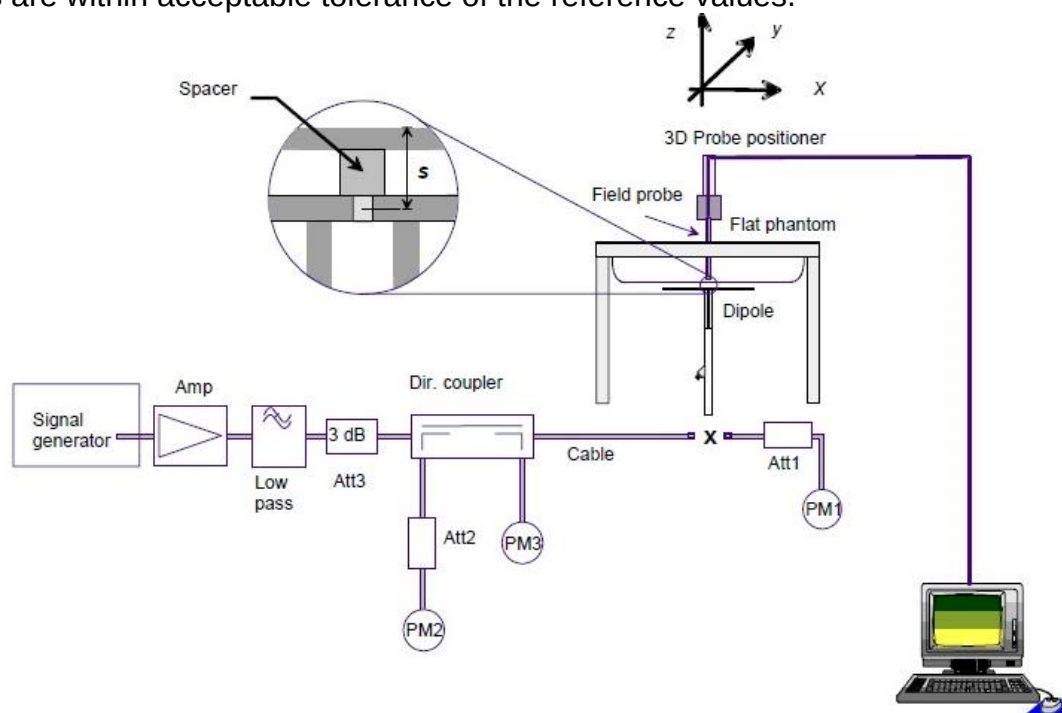
Broad-band head tissue simulating liquids	SPEAG Product	Frequency range (MHz)	Main Ingredients
	HBBL600-10000V6	600 - 10000	Water, Oil

3.5 System check

The microwave circuit arrangement for system check is sketched in below. The daily system accuracy verification occurs within the flat section of the SAM phantom and ELI phantom. A SAR measurement was performed to see if the measured SAR was within +/- 10% from the target SAR values.

The tests were conducted on the same days as the measurement of the DUT. The obtained results from the system accuracy verification are displayed with SAR values normalized to 1W forward power delivered to the dipole.

During the tests, the liquid depth from the center of the flat phantom to the liquid top surface was 15 cm above in all the cases. It is seen that the system is operating within its specification, as the results are within acceptable tolerance of the reference values.



The block diagram of system check

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

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

3.6 System check results

Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=250mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D750V3	1015	750	8.51	2.19	8.76	2.94	± 10%	Nov.21,2024
D750V3	1015	750	8.51	2.2	8.8	3.41	± 10%	Nov.22,2024
D835V2	4d063	835	9.4	2.27	9.08	-3.40	± 10%	Nov.23,2024
D835V2	4d063	835	9.4	2.26	9.04	-3.83	± 10%	Nov.24,2024
D1750V2	1008	1750	36.3	8.81	35.24	-2.92	± 10%	Nov.25,2024
D1900V2	5d173	1900	39.9	9.58	38.32	-3.96	± 10%	Nov.26,2024
D1900V2	5d173	1900	39.9	9.65	38.6	-3.26	± 10%	Nov.27,2024
D2300V2	1023	2300	49.3	12.2	48.8	-1.01	± 10%	Nov.28,2024
D2600V2	1005	2600	56	14.2	56.8	1.43	± 10%	Nov.29,2024
D2600V2	1005	2600	56	14.3	57.2	2.14	± 10%	Nov.30,2024
D2600V2	1005	2600	56	14.3	57.2	2.14	± 10%	Dec.01,2024
D2600V2	1005	2600	56	14.1	56.4	0.71	± 10%	Dec.02,2024
D2600V2	1005	2600	56	14.5	58	3.57	± 10%	Dec.03,2024
D2600V2	1005	2600	56	14.3	57.2	2.14	± 10%	Dec.04,2024
Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=100mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D3500V2	1009	3500	66	6.78	67.8	2.73	± 10%	Dec.05,2024
D3500V2	1009	3500	66	6.84	68.4	3.64	± 10%	Dec.06,2024
D3500V2	1009	3500	66	6.8	68	3.03	± 10%	Dec.07,2024
D3500V2	1009	3500	66	6.85	68.5	3.79	± 10%	Dec.08,2024
D3700V2	1057	3700	67.5	6.97	69.7	3.26	± 10%	Dec.09,2024
D3700V2	1057	3700	67.5	6.73	67.3	-0.30	± 10%	Dec.10,2024
D3700V2	1057	3700	67.5	6.78	67.8	0.44	± 10%	Dec.11,2024
D3700V2	1057	3700	67.5	6.79	67.9	0.59	± 10%	Dec.12,2024
D3900V2	1032	3900	66.9	6.77	67.7	1.20	± 10%	Dec.13,2024
D3900V2	1032	3900	66.9	6.79	67.9	1.49	± 10%	Dec.14,2024

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

4 TEST CONFIGURATIONS

4.1 Test Environment

Ambient Temperature: $22\pm 2^{\circ}\text{C}$

Tissue Simulating Liquid: $22\pm 2^{\circ}\text{C}$

4.2 Test Note

- **General:** Measurements are performed respectively on the lowest, middle and highest channels of the operating band(s).
- **General:** The EUT is set to maximum power level during all tests, and at the beginning of each test the battery is fully charged.
- **General:** During the SAR testing, the DASY system checks power drift by comparing the e-field strength of one specific location measured at the beginning with that measured at the end of the SAR testing.
- **General:** According to KDB447498D01v06, testing of other required channels is not required when the reported 1-g SAR for the highest output channel is $\leq 0.8\text{ W/kg}$, when the transmission band is $\leq 100\text{ MHz}$.
- **General:** According to KDB865664D01v01r04, SAR measurement variability must be assessed for each frequency band. When the original highest measured SAR is $\geq 0.8\text{ W/kg}$, repeated that measurement once. Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is $\geq 1.45\text{ W/kg}$ ($\sim 10\%$ from the 1-g SAR limit).
- **LTE:** LTE modes test according to **KDB 941225D05v02r05**.
 - a. Per Section 5.2.1, the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation.
 - Using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
 - When the reported SAR is $\leq 0.8\text{ W/kg}$, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel.
 - When the reported SAR of a required test channel is $> 1.45\text{ W/kg}$, SAR is required for all three RB offset configurations for that required test channel.
 - b. Per Section 5.2.2, the largest channel bandwidth and measure SAR for QPSK with 50% RB allocation
 - The procedures required for 1 RB allocation in 5.2.1 are applied to measure the SAR for QPSK with 50% RB allocation.
 - c. Per Section 5.2.3, the largest channel bandwidth and measure SAR for QPSK with 100% RB allocation
 - For QPSK with 100% RB allocation, SAR is not required when the highest

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

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

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

maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in 5.2.1 and 5.2.2 are ≤ 0.8 W/kg.

- Otherwise, SAR is measured for the highest output power channel and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

d. Per Section 5.2.4, Higher order modulations

- For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in sections 5.2.1, 5.2.2 and 5.2.3 to determine the QAM configurations that may need SAR measurement. For each configuration identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is $> \frac{1}{2}$ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

e. Per Section 5.3, other channel bandwidth standalone SAR test requirements

- For the other channel bandwidths used by the device in a frequency band, apply all the procedures required for the largest channel bandwidth in section 5.2 to determine the channels and RB configurations that need SAR testing and only measure SAR when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is $> \frac{1}{2}$ dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is > 1.45 W/kg. The equivalent channel configuration for the RB allocation, RB offset and modulation etc. is determined for the smaller channel bandwidth according to the same number of RB allocated in the largest channel bandwidth.

- TDD LTE was tested at highest duty factor using UL-DL configuration 0 with 6 UL subframes and 2 special subframes using extended cyclic prefix only and special subframe configuration 6. SAR tests were performed at maximum output power and worst-case transmission duty factor in extended cyclic prefix. Per 3GPP 36.211 Section 4.2, the duty factor for UL-DL configuration 0/special subframe configuration 6 using extended cyclic prefix is 0.633.

According to KDB 941225 D05, SAR testing for TDD LTE must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP TDD LTE configurations. The TDD-LTE of this device supports frame structure type 2 defined in 3GPP TS 36.211 section 4.2, and the frame structure configuration can be tabulated as below.

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

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

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

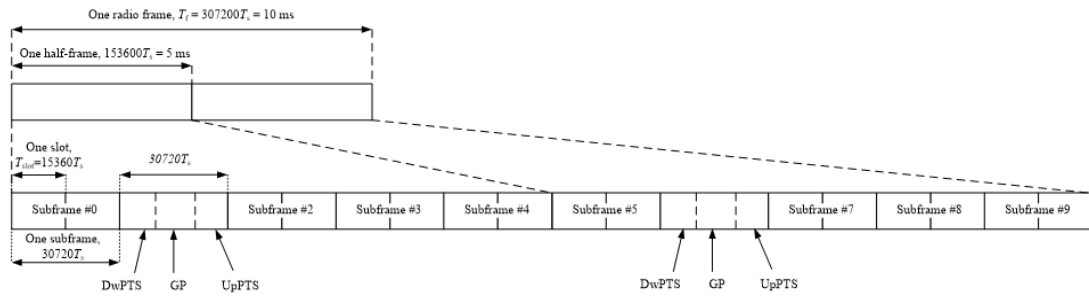


Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity)

Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS)

Special subframe configuration n	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	GP	UpPTS	DwPTS	GP	UpPTS
0	$6592 \cdot T_s$			$7680 \cdot T_s$		
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21952 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$			$7680 \cdot T_s$		
5	$6592 \cdot T_s$			$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			$12800 \cdot T_s$		
8	$24144 \cdot T_s$			—		
9	$13168 \cdot T_s$			—		

Table 4.2-2: Uplink-downlink configurations

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number							
		0	1	2	3	4	5	6	7
0	5 ms	D	S	U	U	D	D	S	U
1	5 ms	D	S	U	U	D	D	S	U
2	5 ms	D	S	U	D	D	D	S	U
3	10 ms	D	S	U	U	U	D	D	D
4	10 ms	D	S	U	U	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U

Considering the highest transmission duty cycle, TDD LTE was tested using Uplink-Downlink configuration 0 with 6 uplink subframe and 2 special subframe. The special subframe was set to special subframe configuration 6 using extended cyclic prefix uplink. Therefore, SAR testing for TDD LTE was measured at the maximum output power with highest transmission duty cycle of 63.33%.

- **LTE downlink CA:** The device supports the carrier aggregation in the downlink.

All uplink communications are identical to the Release 8 specifications. Uplink

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

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

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

maximum output power is measured with downlink carrier aggregation active, only for the channel with highest measured maximum output power when downlink carrier aggregation is inactive, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than $\frac{1}{4}$ dB higher than the maximum output power measured when downlink carrier aggregation inactive. The downlink channels selected to perform the uplink power measurement must satisfy 3GPP channel spacing (5.4.1A of 3GPP TS 36.521 or equivalent) and channel bandwidth (5.4.2A) requirements. The nominal channel spacing is determined by $[BW1 + BW2 - 0.1 \cdot |BW1 - BW2|]/2$ MHz, where BW1 and BW2 are the channel bandwidths of the CC in a 2-CC aggregation configuration. The downlink PCC channel should be paired with the uplink channel according to normal configurations, as if there is no carrier aggregation. The downlink SCC should be adjacent to the PCC and remain within the downlink transmission band for contiguous intra-band CA. For non-contiguous intra-band CA, the SCC should be selected to provide maximum separation from the PCC and must remain fully within the downlink transmission band. For inter-band CA, the SCC should be near the middle of its transmission band. When downlink carrier aggregation is active uplink maximum output power remain within the specified tune-up tolerance limits and not more than $\frac{1}{4}$ dB higher than the maximum output power measured when downlink carrier aggregation inactive, so SAR evaluation is not required for downlink carrier aggregation.

- **LTE intra-band UL CA (contiguous):** The device supports LTE intra-band contiguous UL CA. The maximum output power is measured for each UL CA configuration for the required test channels. UL PCC configuration is determined by the required test channel. SCC and subsequent CCs are added alternatively to either side of the PCC or within the transmission band for channels at the ends of a frequency band. SAR for UL CA is required in highest standalone head/body test position and frequency band combination. Since the maximum output for UL CA is $\leq$ standalone LTE mode (without CA), PCC is configured according to the highest standalone SAR configuration tested, SCC and subsequent CCs are configured according to procedures used for power measurement and parameters (BW, RB etc.) similar to that used for the PCC.

- **5G NR:** SAR tests for NR bands and LTE anchor bands were performed separately due to limitations in SAR probe calibration factor. Due to test setup limitation, SAR testing for NR was performed using factory test mode software to establish the connection.

- **5G NR:** 5G NR Power/SAR procedure is similar with KDB 941225 D05. **a.** For power measurement reduction of DFT-s-OFDM and CP-OFDM, CP-OFDM will not higher than DFT-OFDM based on 3GPP MPR table, so CP-OFDM QPSK power measurement is spot check for 1RB allocation/1 RB offset configuration to ensure the output power will not $\frac{1}{2}$ dB higher than Pi/2 BPSK and QPSK. **b.** For power measurement reduction of DFT-s-OFDM, 16QAM/64QAM/256QAM will not higher than Pi/2 BPSK and QPSK based on 3GPP MPR table, so Pi/2 BPSK and QPSK are measured fully, and 16QAM is spot check 1RB allocation/1 RB offset configuration to ensure the output power will not $\frac{1}{2}$ dB higher than Pi/2 BPSK and QPSK. Smaller bandwidth output power will also follow the largest bandwidth to

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

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

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

ensure output power will not $\frac{1}{2}$ dB higher than largest supported bandwidth. **c.** SAR testing start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel. **d.** 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure. **e.** QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested. **f.** 16QAM/64QAM/256QAM output powers according to 3GPP MPR will not $\frac{1}{2}$ dB higher than the same configuration in QPSK, also reported SAR for the QPSK configuration is less than 1.45 W/kg, 16QAM/64QAM/256QAM SAR testing are not required. **g.** Smaller bandwidth output power for each RB allocation configuration for this device will not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device.

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

4.3 Test position

Laptop mode SAR test position (0mm)

For laptop PC, according to KDB 616217 D04, SAR evaluation is required for the bottom surface of the keyboard. This EUT was tested in the base of EUT directly against the flat phantom. The required minimum test separation distance for incorporating transmitters and antennas into laptop computer display is determined with the display screen opened at an angle of 90° to the keyboard compartment.

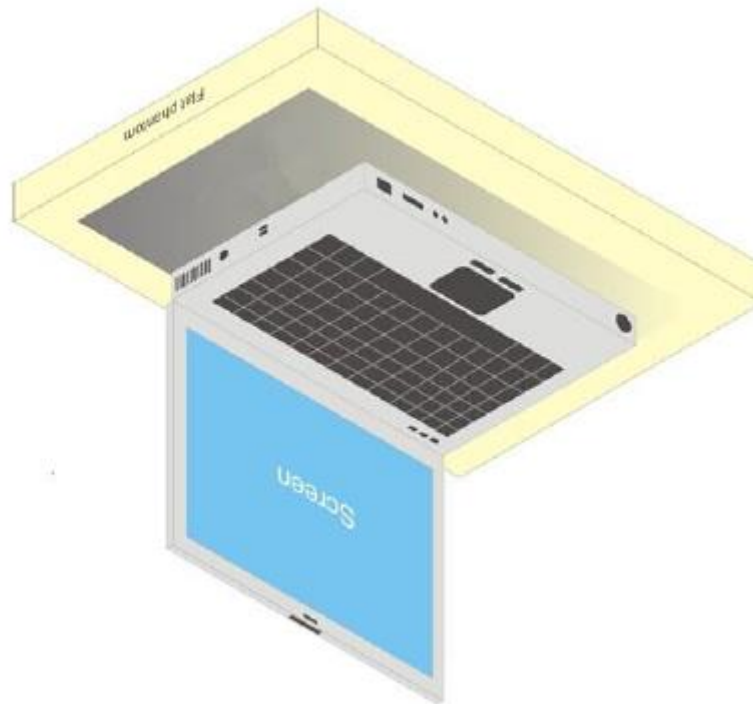


Illustration for Laptop Setup

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

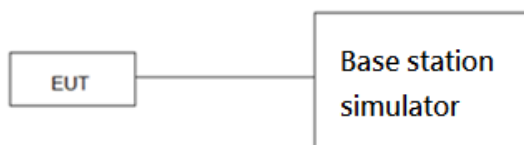
Member of SGS Group

4.4 Proximity sensor operation description

The P-sensor being used to reduce output power is capacitive in which when the object such as human body, metal or plastic is being approached, the sensing capacitance would be increased with the antenna pad. Once the capacitance is accumulated, and reached over the threshold as set in MCU of the microchip, the interruption signal is pulled low (High state without trigger) and further inform modem module of the transmitter to make power reduction.

4.5.1 Proximity sensor measurement procedure

1. The proximity sensor is collocated with WWAN antenna.
2. Output power is measured, and monitored by using the base station simulator. A RF cables with sufficient length was being attached from the antenna port of the module, and used for the measurement. The appropriate loss attenuated from cable is compensated in the test setup.



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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

4.5.2 Trigger distances

Test procedure:

1. The entire bottom surface of the laptop is positioned below a flat phantom filled with the required tissue equivalent medium and positioned at least 20 mm further than the distance that triggers power reduction.
2. The bottom surface is moved toward the phantom in 3 mm steps until the sensor triggers.
3. The bottom surface is again moved toward the phantom, but in 1 mm steps, until it is at least 5 mm past the triggering point or touching the phantom
4. If the bottom surface is not touching the phantom, it is moved in 3 mm steps until it touches the phantom to confirm that the sensor remains triggered and the maximum power stays reduced.
5. The bottom surface is then moved back (further away) from the phantom until maximum output power is returned to the normal maximum level.
6. The process is then reversed by moving the bottom surface away from the phantom to determine triggering release, until it is at least 10 mm beyond the point that triggers the return of normal maximum power.
7. The measured output power within ± 5 mm of the triggering points, or until the bottom surface is touching the phantom, for movements to and from the phantom should be tabulated.

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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. To ensure all production units are compliant, it is generally necessary to reduce the triggering distance determined from the triggering tests by 1 mm, or more if it is necessary, and use the smallest distance for movements to and from the phantom, minus 1 mm, as the sensor triggering distance for determining the SAR measurement distance.
9. For bottom surface, the trigger distance of proximity sensor is tabulated below.

Trigger distance (mm)	Bottom surface
WWAN Main Antenna	20

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

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

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

4.5.3 Tilt angle testing

Test procedure:

1. The influence of tablet tilt angles to proximity sensor triggering is determined by positioning each tablet edge that contains a transmitting antenna, perpendicular to the flat phantom, at the smallest sensor triggering test distance determined in sections 1.6.2 by rotating the tablet around the edge next to the phantom in ≤ 10 deg increments until the tablet is ± 45 deg or more from the vertical position at 0 deg.
2. If sensor triggering is released and normal maximum output power is restored within the ± 45 deg range, the procedures in step 1) should be repeated by reducing the tablet to phantom separation distance by 1 mm until the proximity sensor no longer releases triggering, and maximum output power remains in the reduced mode.
3. The smallest separation distance determined in steps 1) and 2), minus 1 mm, is the sensor triggering distance for tablet tilt coverage. The smallest separation distance determined in sections 1.6.2, 1.6.3 minus 1 mm should be used in the SAR measurements.
4. The influence of tablet tilt angles to proximity sensor triggering is determined by positioning the edges, please refer to table 1.6.5 and 1.6.6.

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

4.5.4 Proximity sensor coverage

The following procedures do not apply and are not required because the antenna and sensor are collocated and the peak SAR location is overlapping with the sensor.

Test procedure:

1. The back surface or edges of the tablet is positioned at a test separation distance less than or equal to the distance required for back surface or edge triggering, with both the antenna and sensor pad located at least 20 mm laterally outside the edge (boundary) of the phantom, along the direction of maximum antenna and sensor offset.
2. The similar sequence of steps applied to determine sensor triggering distance in section 1.6.2 are used to verify back surface and edge sensor coverage by moving the tablet (sensor and antenna) horizontally toward the phantom while maintaining the same vertical separation between the back surface or edge and the phantom.
3. After the exact location where triggering of power reduction is determined, with respect to the sensor and antenna, the tablet movement should be continued, in 3 mm increments, until both the sensor and antenna(s) are fully under the phantom and at least 20 mm inside the phantom edge.
4. The process is then repeated from the other direction, at the opposite end of maximum antenna and sensor offset, by rotating the tablet 180 degrees.

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

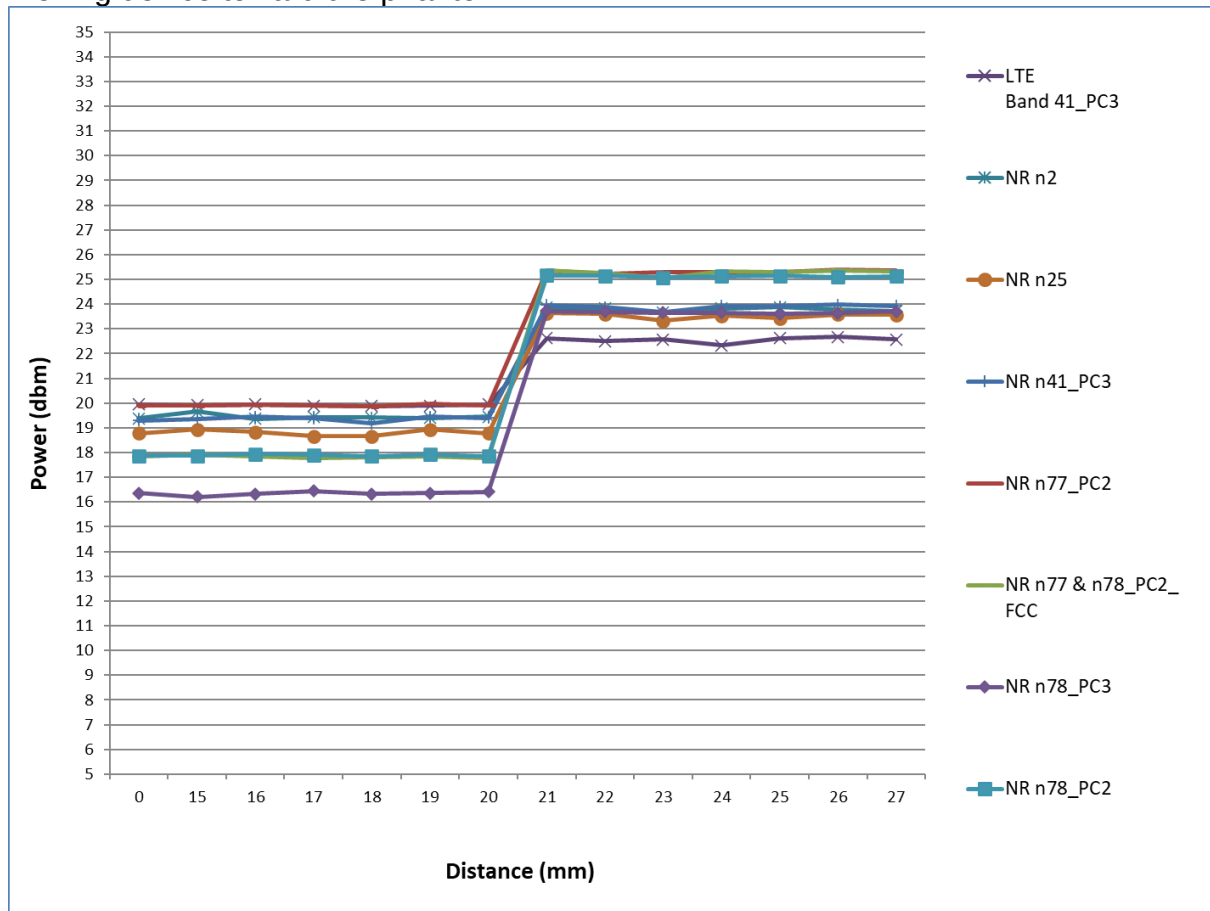
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>.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

4.5.5 Results

The measured output power within ± 5 mm of the triggering points, or until the bottom surface of the laptop is touching the phantom, for movements to and from the phantom is tabulated in the following.

Bottom of Laptop

Moving device toward the phantom

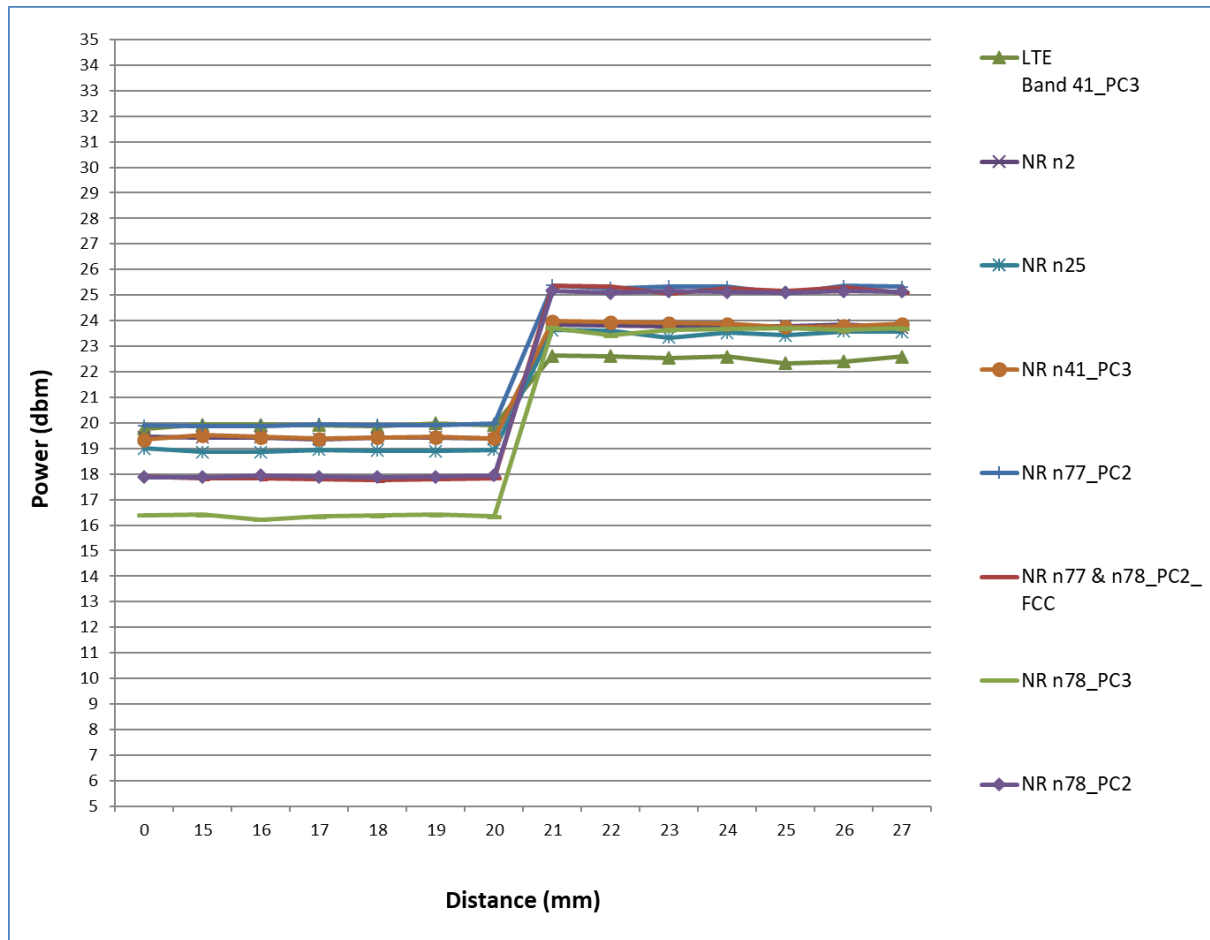


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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

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

Moving device away from the phantom



Note:

1. The triggering variations and hysteresis effect has been evaluated separately according to the tissue-equivalent medium required for each frequency band, and sensor triggering does not change with different tissue-equivalent media.
2. Conducted power is monitored qualitatively to identify the general triggering characteristics and recorded quantitatively, versus spacing.

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

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

4.5.6 Operation description for P-sensor

Power Reduction Design Specification (for P-sensor)

With P-sensor mechanism, the maximum reduced power table in chapter 5 would be the default power when P-sensor failure or malfunction.

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

4.5 Test limit

[§ 2.1093\(d\)\(1\)](#)

Applications for equipment authorization of portable RF sources subject to routine environmental evaluation must contain a statement confirming compliance with the limits specified in [§ 1.1310](#) as part of their application. Technical information showing the basis for this statement must be submitted to the Commission upon request. The SAR limits specified in [§ 1.1310\(a\)](#) through [\(c\) of this chapter](#) shall be used for evaluation of portable devices transmitting in the frequency range from 100 kHz to 6 GHz. Portable devices that transmit at frequencies above 6 GHz shall be evaluated in terms of the MPE limits specified in Table 1 to [§ 1.1310\(e\)\(1\)](#). A minimum separation distance applicable to the operating configurations and exposure conditions of the device shall be used for the evaluation. In general, maximum time-averaged power levels must be used for evaluation. All unlicensed personal communications service (PCS) devices and unlicensed NII devices shall be subject to the limits for general population/uncontrolled exposure.

Radiofrequency radiation exposure limits.

[§ 1.1310\(a\)](#)

Specific absorption rate (SAR) shall be used to evaluate the environmental impact of human exposure to radiofrequency (RF) radiation as specified in § 1.1307(b) within the frequency range of 100 kHz to 6 GHz (inclusive).

[§ 1.1310\(b\)](#)

The SAR limits for occupational/controlled exposure are 0.4 W/kg, as averaged over the whole body, and a peak spatial-average SAR of 8 W/kg, averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak spatial-average SAR limit for occupational/controlled exposure is 20 W/kg, averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube). Exposure may be averaged over a time period not to exceed 6 minutes to determine compliance with occupational/controlled SAR limits.

[§ 1.1310\(c\)](#)

The SAR limits for general population/uncontrolled exposure are 0.08 W/kg, as averaged over the whole body, and a peak spatial-average SAR of 1.6 W/kg, averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak spatial-average SAR limit is 4 W/kg, averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube). Exposure may be averaged over a time period not to exceed 30 minutes to determine compliance with general population/uncontrolled SAR limits.

Note to paragraphs (a) through (c):

SAR is a measure of the rate of energy absorption due to exposure to RF electromagnetic energy. These SAR limits to be used for evaluation are based generally on criteria published by the American National Standards Institute (ANSI) for localized SAR in [Section 4.2](#) of "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz," ANSI/IEEE Std C95.1-1992, copyright 1992 by the Institute of Electrical and Electronics Engineers, Inc., New York, New York 10017. These criteria for SAR evaluation are similar to those recommended by the National Council on Radiation Protection and Measurements (NCRP) in "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," NCRP Report No. 86, [Section 17.4.5](#), copyright 1986 by NCRP, Bethesda, Maryland 20814. Limits for whole body SAR and peak spatial-average SAR are based

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

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

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

on recommendations made in both of these documents. The MPE limits in Table 1 are based generally on criteria published by the NCRP in "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," NCRP Report No. 86, Sections 17.4.1, 17.4.1.1, 17.4.2 and 17.4.3, copyright 1986 by NCRP, Bethesda, Maryland 20814. In the frequency range from 100 MHz to 1500 MHz, these MPE exposure limits for field strength and power density are also generally based on criteria recommended by the ANSI in [Section 4.1](#) of "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz," ANSI/IEEE Std C95.1-1992, copyright 1992 by the Institute of Electrical and Electronics Engineers, Inc., New York, New York 10017.

Portable devices that transmit at frequencies above 6 GHz shall be evaluated in terms of the MPE limits specified in Table 1 to [§ 1.1310\(e\)\(1\)](#).

According to ANSI/IEEE C95.1-1992, the criteria listed in the following Table shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.

Peak Spatially Averaged Power Density was evaluated over a circular area of 4cm² per interim FCC Guidance for near-field power density evaluations per October 2018 TCB Workshop notes

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(i) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*(100)	≤6
3.0-30	1842/f	4.89/f	*(900/f ²)	<6
30-300	61.4	0.163	1.0	<6
300-1,500			f/300	<6
1,500-100,000			5	<6
(ii) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	<30
1.34-30	824/f	2.19/f	*(180/f ²)	<30
30-300	27.5	0.073	0.2	<30
300-1,500			f/1500	<30
1,500-100,000			1.0	<30

f = frequency in MHz. * = Plane-wave equivalent power density.

Table 1 to § 1.1310(e)(1) - Limits for Maximum Permissible Exposure (MPE)

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5 MAXIMUM OUTPUT POWER

5.1 WCDMA

MAIN

Full

Band		WCDMA V		
TX Channel		4132	4183	4233
Frequency (MHz)		826.4	836.6	846.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		24.50		
3GPP Rel 99	RMC 12.2Kbps	23.36	23.46	23.42
3GPP Rel 5	HSDPA Subtest-1	23.31	23.30	23.27
	HSDPA Subtest-2	23.28	23.27	23.27
	HSDPA Subtest-3	22.80	22.74	22.83
	HSDPA Subtest-4	22.78	22.81	22.74
3GPP Rel 6	HSUPA Subtest-1	23.32	23.24	23.31
	HSUPA Subtest-2	21.32	21.32	21.33
	HSUPA Subtest-3	22.24	22.24	22.24
	HSUPA Subtest-4	21.28	21.31	21.30
	HSUPA Subtest-5	23.28	23.32	23.33
3GPP Rel 7	HSPA+	20.77	20.76	20.75
3GPP Rel 8	DC-HSDPA Subtest-1	23.30	23.29	23.29
	DC-HSDPA Subtest-2	23.27	23.29	23.33
	DC-HSDPA Subtest-3	22.80	22.76	22.80
	DC-HSDPA Subtest-4	22.81	22.82	22.79

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Band		WCDMA II		
TX Channel		9262	9400	9538
Frequency (MHz)		1852.4	1880	1907.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		24.00		
3GPP Rel 99	RMC 12.2Kbps	22.97	23.35	23.56
3GPP Rel 5	HSDPA Subtest-1	22.84	23.26	23.49
	HSDPA Subtest-2	22.91	23.28	23.47
	HSDPA Subtest-3	22.34	22.74	22.94
	HSDPA Subtest-4	22.34	22.81	23.02
3GPP Rel 6	HSUPA Subtest-1	22.84	23.24	23.48
	HSUPA Subtest-2	20.84	21.28	21.50
	HSUPA Subtest-3	21.85	22.29	22.48
	HSUPA Subtest-4	20.92	21.28	21.44
	HSUPA Subtest-5	22.93	23.30	23.51
3GPP Rel 7	HSPA+	20.43	20.76	21.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.92	23.33	23.52
	DC-HSDPA Subtest-2	22.84	23.27	23.50
	DC-HSDPA Subtest-3	22.42	22.80	23.02
	DC-HSDPA Subtest-4	22.39	22.75	23.03
Band		WCDMA IV		
TX Channel		1312	1413	1513
Frequency (MHz)		1712.4	1732.6	1752.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		23.50		
3GPP Rel 99	RMC 12.2Kbps	23.36	23.12	23.38
3GPP Rel 5	HSDPA Subtest-1	23.27	23.09	23.33
	HSDPA Subtest-2	23.30	23.09	23.30
	HSDPA Subtest-3	22.74	22.56	22.80
	HSDPA Subtest-4	22.74	22.63	22.82
3GPP Rel 6	HSUPA Subtest-1	23.28	23.11	23.28
	HSUPA Subtest-2	21.24	21.11	21.26
	HSUPA Subtest-3	22.32	22.13	22.24
	HSUPA Subtest-4	21.31	21.04	21.31
	HSUPA Subtest-5	23.28	23.09	23.25
3GPP Rel 7	HSPA+	20.77	20.60	20.75
3GPP Rel 8	DC-HSDPA Subtest-1	23.32	23.08	23.24
	DC-HSDPA Subtest-2	23.30	23.13	23.25
	DC-HSDPA Subtest-3	22.75	22.55	22.76
	DC-HSDPA Subtest-4	22.80	22.54	22.82

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5.2 FDD LTE

MAIN Full

LTE Band 5								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				829	836.5	844		
Channel				20450	20525	20600		
10	QPSK	1	0	23.98	23.96	23.92	24.00	0
		1	25	23.89	23.87	23.86	24.00	0
		1	49	23.86	23.85	23.88	24.00	0
		25	0	22.91	22.85	22.90	23.00	1
		25	12	22.85	22.91	22.84	23.00	1
		25	25	22.84	22.93	22.88	23.00	1
		50	0	22.86	22.85	22.90	23.00	1
10	16-QAM	1	0	22.92	22.86	22.93	23.00	1
		1	25	22.88	22.91	22.92	23.00	1
		1	49	22.87	22.86	22.84	23.00	1
		25	0	21.85	21.86	21.88	22.00	2
		25	12	21.93	21.89	21.91	22.00	2
		25	25	21.90	21.88	21.91	22.00	2
		50	0	21.90	21.93	21.85	22.00	2
10	64-QAM	1	0	21.92	21.91	21.89	22.00	2
		1	25	21.84	21.82	21.85	22.00	2
		1	49	21.88	21.86	21.92	22.00	2
		25	0	20.85	20.89	20.88	21.00	3
		25	12	20.92	20.93	20.88	21.00	3
		25	25	20.90	20.86	20.92	21.00	3
		50	0	20.89	20.91	20.86	21.00	3
10	256-QAM	1	0	20.89	20.86	20.92	21.00	3
		1	25	20.89	20.92	20.87	21.00	3
		1	49	20.87	20.88	20.90	21.00	3
		25	0	19.93	19.91	19.89	20.00	4
		25	12	19.87	19.86	19.89	20.00	4
		25	25	19.89	19.85	19.89	20.00	4
		50	0	19.88	19.89	19.93	20.00	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 5								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				826.5	836.5	846.5		
Channel				20425	20525	20625		
5	QPSK	1	0	23.86	23.92	23.87	24.00	0
		1	12	23.89	23.86	23.91	24.00	0
		1	24	23.87	23.90	23.89	24.00	0
		12	0	22.86	22.90	22.93	23.00	1
		12	6	22.85	22.87	22.91	23.00	1
		12	13	22.98	22.91	22.92	23.00	1
		25	0	22.86	22.85	22.91	23.00	1
5	16-QAM	1	0	22.85	22.87	22.89	23.00	1
		1	12	22.86	22.93	22.90	23.00	1
		1	24	22.88	22.84	22.89	23.00	1
		12	0	21.93	21.85	21.86	22.00	2
		12	6	21.93	21.85	21.86	22.00	2
		12	13	21.93	21.88	21.86	22.00	2
		25	0	21.84	21.93	21.92	22.00	2
5	64-QAM	1	0	21.92	21.93	21.87	22.00	2
		1	12	21.93	21.88	21.84	22.00	2
		1	24	21.91	21.88	21.90	22.00	2
		12	0	20.87	20.89	20.92	21.00	3
		12	6	20.93	20.85	20.90	21.00	3
		12	13	20.90	20.85	20.92	21.00	3
		25	0	20.85	20.86	20.92	21.00	3
5	256-QAM	1	0	20.87	20.85	20.92	21.00	3
		1	12	20.93	20.88	20.90	21.00	3
		1	24	20.92	20.90	20.93	21.00	3
		12	0	19.86	19.89	19.84	20.00	4
		12	6	19.91	19.86	19.89	20.00	4
		12	13	19.85	19.91	19.88	20.00	4
		25	0	19.87	19.89	19.91	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 5								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				825.5	836.5	847.5		
Channel				20415	20525	20635		
3	QPSK	1	0	23.84	23.92	23.94	24.00	0
		1	7	23.89	23.87	23.90	24.00	0
		1	14	23.91	23.86	23.84	24.00	0
		8	0	22.85	22.88	22.89	23.00	1
		8	4	22.91	22.90	22.92	23.00	1
		8	7	22.87	22.84	22.93	23.00	1
		15	0	22.92	22.85	22.88	23.00	1
3	16-QAM	1	0	22.89	22.86	22.92	23.00	1
		1	7	22.93	22.91	22.84	23.00	1
		1	14	22.86	22.84	22.88	23.00	1
		8	0	21.85	21.93	21.86	22.00	2
		8	4	21.87	21.88	21.86	22.00	2
		8	7	21.88	21.90	21.92	22.00	2
		15	0	21.91	21.93	21.92	22.00	2
3	64-QAM	1	0	21.91	21.84	21.88	22.00	2
		1	7	21.92	21.86	21.90	22.00	2
		1	14	21.90	21.88	21.89	22.00	2
		8	0	20.86	20.91	20.87	21.00	3
		8	4	20.89	20.90	20.93	21.00	3
		8	7	20.84	20.85	20.91	21.00	3
		15	0	20.91	20.88	20.86	21.00	3
3	256-QAM	1	0	20.84	20.88	20.92	21.00	3
		1	7	20.90	20.84	20.86	21.00	3
		1	14	20.87	20.90	20.86	21.00	3
		8	0	19.91	19.90	19.88	20.00	4
		8	4	19.92	19.87	19.91	20.00	4
		8	7	19.90	19.87	19.91	20.00	4
		15	0	19.88	19.90	19.87	20.00	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 5								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				824.7	836.5	848.3		
Channel				20407	20525	20643		
1.4	QPSK	1	0	23.89	23.88	23.85	24.00	0
		1	2	23.93	23.90	23.91	24.00	0
		1	5	23.89	23.92	23.90	24.00	0
		3	0	23.88	23.92	23.85	24.00	0
		3	2	23.86	23.87	23.90	24.00	0
		3	3	23.86	23.87	23.92	24.00	0
		6	0	22.84	22.90	22.89	23.00	1
1.4	16-QAM	1	0	22.90	22.89	22.91	23.00	1
		1	2	22.89	22.85	22.84	23.00	1
		1	5	22.88	22.91	22.90	23.00	1
		3	0	22.84	22.85	22.87	23.00	1
		3	2	22.84	22.90	22.88	23.00	1
		3	3	22.92	22.85	22.91	23.00	1
		6	0	21.84	21.89	21.88	22.00	2
1.4	64-QAM	1	0	21.92	21.93	21.88	22.00	2
		1	2	21.91	21.87	21.86	22.00	2
		1	5	21.93	21.86	21.92	22.00	2
		3	0	21.88	21.91	21.89	22.00	2
		3	2	21.92	21.87	21.91	22.00	2
		3	3	21.86	21.91	21.85	22.00	2
		6	0	20.92	20.85	20.84	21.00	3
1.4	256-QAM	1	0	20.93	20.88	20.91	21.00	3
		1	2	20.84	20.92	20.90	21.00	3
		1	5	20.90	20.91	20.92	21.00	3
		3	0	20.91	20.93	20.87	21.00	3
		3	2	20.87	20.93	20.90	21.00	3
		3	3	20.88	20.85	20.92	21.00	3
		6	0	19.87	19.81	19.84	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 12								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				704	707.5	711		
Channel				23060	23095	23130		
10	QPSK	1	0	23.93	23.97	23.95	24.00	0
		1	25	23.86	23.85	23.80	24.00	0
		1	49	23.79	23.83	23.82	24.00	0
		25	0	22.83	22.86	22.87	23.00	1
		25	12	22.80	22.85	22.84	23.00	1
		25	25	22.83	22.82	22.86	23.00	1
		50	0	22.80	22.81	22.84	23.00	1
10	16-QAM	1	0	22.81	22.83	22.79	23.00	1
		1	25	22.80	22.81	22.79	23.00	1
		1	49	22.80	22.81	22.84	23.00	1
		25	0	21.85	21.87	21.78	22.00	2
		25	12	21.86	21.83	21.84	22.00	2
		25	25	21.85	21.86	21.81	22.00	2
		50	0	21.79	21.84	21.78	22.00	2
10	64-QAM	1	0	21.83	21.81	21.85	22.00	2
		1	25	21.79	21.82	21.81	22.00	2
		1	49	21.86	21.80	21.81	22.00	2
		25	0	20.79	20.84	20.83	21.00	3
		25	12	20.85	20.84	20.87	21.00	3
		25	25	20.82	20.92	20.85	21.00	3
		50	0	20.83	20.80	20.85	21.00	3
10	256-QAM	1	0	20.81	20.78	20.79	21.00	3
		1	25	20.79	20.84	20.87	21.00	3
		1	49	20.81	20.84	20.79	21.00	3
		25	0	19.86	19.85	19.78	20.00	4
		25	12	19.78	19.87	19.79	20.00	4
		25	25	19.85	19.86	19.80	20.00	4
		50	0	19.83	19.86	19.87	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 12								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				701.5	707.5	713.5		
Channel				23035	23095	23155		
5	QPSK	1	0	23.82	23.81	23.79	24.00	0
		1	12	23.81	23.84	23.82	24.00	0
		1	24	23.80	23.87	23.80	24.00	0
		12	0	22.86	22.85	22.80	23.00	1
		12	6	22.84	22.82	22.80	23.00	1
		12	13	22.83	22.82	22.85	23.00	1
		25	0	22.84	22.79	22.87	23.00	1
5	16-QAM	1	0	22.86	22.79	22.86	23.00	1
		1	12	22.79	22.84	22.81	23.00	1
		1	24	22.86	22.81	22.81	23.00	1
		12	0	21.84	21.81	21.82	22.00	2
		12	6	21.82	21.83	21.79	22.00	2
		12	13	21.78	21.81	21.79	22.00	2
		25	0	21.85	21.83	21.85	22.00	2
5	64-QAM	1	0	21.79	21.80	21.84	22.00	2
		1	12	21.79	21.85	21.80	22.00	2
		1	24	21.86	21.85	21.78	22.00	2
		12	0	20.79	20.87	20.78	21.00	3
		12	6	20.86	20.78	20.82	21.00	3
		12	13	20.80	20.83	20.87	21.00	3
		25	0	20.86	20.85	20.82	21.00	3
5	256-QAM	1	0	20.84	20.78	20.85	21.00	3
		1	12	20.81	20.86	20.82	21.00	3
		1	24	20.78	20.84	20.78	21.00	3
		12	0	19.83	19.83	19.79	20.00	4
		12	6	19.81	19.78	19.87	20.00	4
		12	13	19.87	19.80	19.79	20.00	4
		25	0	19.82	19.82	19.83	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 12								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				700.5	707.5	714.5		
Channel				23025	23095	23165		
3	QPSK	1	0	23.86	23.80	23.82	24.00	0
		1	7	23.85	23.79	23.86	24.00	0
		1	14	23.82	23.83	23.84	24.00	0
		8	0	22.84	22.79	22.78	23.00	1
		8	4	22.85	22.82	22.80	23.00	1
		8	7	22.81	22.78	22.87	23.00	1
		15	0	22.84	22.79	22.79	23.00	1
3	16-QAM	1	0	22.81	22.87	22.78	23.00	1
		1	7	22.82	22.83	22.82	23.00	1
		1	14	22.80	22.78	22.84	23.00	1
		8	0	21.80	21.86	21.82	22.00	2
		8	4	21.84	21.80	21.79	22.00	2
		8	7	21.85	21.82	21.78	22.00	2
		15	0	21.80	21.83	21.86	22.00	2
3	64-QAM	1	0	21.78	21.80	21.80	22.00	2
		1	7	21.80	21.78	21.85	22.00	2
		1	14	21.82	21.84	21.78	22.00	2
		8	0	20.81	20.83	20.82	21.00	3
		8	4	20.83	20.84	20.86	21.00	3
		8	7	20.83	20.83	20.78	21.00	3
		15	0	20.83	20.83	20.79	21.00	3
3	256-QAM	1	0	20.79	20.79	20.78	21.00	3
		1	7	20.86	20.78	20.83	21.00	3
		1	14	20.81	20.84	20.86	21.00	3
		8	0	19.84	19.84	19.80	20.00	4
		8	4	19.84	19.85	19.83	20.00	4
		8	7	19.86	19.80	19.81	20.00	4
		15	0	19.84	19.85	19.78	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 12								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				699.7	707.5	715.3		
Channel				23017	23095	23173		
1.4	QPSK	1	0	23.78	23.81	23.81	24.00	0
		1	2	23.86	23.79	23.84	24.00	0
		1	5	23.87	23.82	23.81	24.00	0
		3	0	23.86	23.80	23.85	24.00	0
		3	2	23.85	23.84	23.87	24.00	0
		3	3	23.84	23.82	23.84	24.00	0
		6	0	22.79	22.86	22.87	23.00	1
1.4	16-QAM	1	0	22.80	22.85	22.82	23.00	1
		1	2	22.86	22.82	22.80	23.00	1
		1	5	22.83	22.82	22.84	23.00	1
		3	0	22.82	22.83	22.86	23.00	1
		3	2	22.79	22.82	22.87	23.00	1
		3	3	22.84	22.83	22.87	23.00	1
		6	0	21.78	21.83	21.86	22.00	2
1.4	64-QAM	1	0	21.84	21.82	21.87	22.00	2
		1	2	21.79	21.81	21.82	22.00	2
		1	5	21.81	21.80	21.80	22.00	2
		3	0	21.87	21.85	21.82	22.00	2
		3	2	21.83	21.79	21.84	22.00	2
		3	3	21.86	21.83	21.85	22.00	2
		6	0	20.84	20.81	20.84	21.00	3
1.4	256-QAM	1	0	20.81	20.86	20.81	21.00	3
		1	2	20.85	20.85	20.80	21.00	3
		1	5	20.81	20.81	20.83	21.00	3
		3	0	20.82	20.79	20.78	21.00	3
		3	2	20.84	20.85	20.83	21.00	3
		3	3	20.78	20.81	20.87	21.00	3
		6	0	19.83	19.81	19.82	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 13								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					782			
Channel					23230			
10	QPSK	1	0		23.95		24.00	0
		1	25		23.89		24.00	0
		1	49		23.84		24.00	0
		25	0		22.87		23.00	1
		25	12		22.84		23.00	1
		25	25		22.93		23.00	1
		50	0		22.92		23.00	1
10	16-QAM	1	0		22.91		23.00	1
		1	25		22.89		23.00	1
		1	49		22.90		23.00	1
		25	0		21.86		22.00	2
		25	12		21.89		22.00	2
		25	25		21.86		22.00	2
		50	0		21.92		22.00	2
10	64-QAM	1	0		21.86		22.00	2
		1	25		21.85		22.00	2
		1	49		21.92		22.00	2
		25	0		20.84		21.00	3
		25	12		20.87		21.00	3
		25	25		20.89		21.00	3
		50	0		20.93		21.00	3
10	256-QAM	1	0		20.93		21.00	3
		1	25		20.93		21.00	3
		1	49		20.89		21.00	3
		25	0		19.90		20.00	4
		25	12		19.92		20.00	4
		25	25		19.91		20.00	4
		50	0		19.92		20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 13								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				779.5	782	784.5		
Channel				23205	23230	23255		
5	QPSK	1	0	23.87	23.89	23.93	24.00	0
		1	12	23.89	23.92	23.90	24.00	0
		1	24	23.84	23.88	23.85	24.00	0
		12	0	22.93	22.90	22.84	23.00	1
		12	6	22.85	22.86	22.92	23.00	1
		12	13	22.87	22.93	22.86	23.00	1
		25	0	22.87	22.93	22.91	23.00	1
5	16-QAM	1	0	22.88	22.86	22.87	23.00	1
		1	12	22.90	22.93	22.85	23.00	1
		1	24	22.91	22.84	22.92	23.00	1
		12	0	21.89	21.84	21.85	22.00	2
		12	6	21.90	21.89	21.87	22.00	2
		12	13	21.82	21.86	21.91	22.00	2
		25	0	21.87	21.84	21.89	22.00	2
5	64-QAM	1	0	21.90	21.87	21.93	22.00	2
		1	12	21.95	21.92	21.89	22.00	2
		1	24	21.93	21.84	21.90	22.00	2
		12	0	20.84	20.91	20.92	21.00	3
		12	6	20.84	20.88	20.93	21.00	3
		12	13	20.90	20.96	20.92	21.00	3
		25	0	20.90	20.86	20.87	21.00	3
5	256-QAM	1	0	20.89	20.88	20.93	21.00	3
		1	12	20.84	20.85	20.93	21.00	3
		1	24	20.92	20.86	20.87	21.00	3
		12	0	19.89	19.88	19.90	20.00	4
		12	6	19.81	19.85	19.90	20.00	4
		12	13	19.93	19.91	19.90	20.00	4
		25	0	19.93	19.89	19.87	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 14								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					793			
Channel					23330			
10	QPSK	1	0		23.97		24.00	0
		1	25		23.90		24.00	0
		1	49		23.94		24.00	0
		25	0		22.97		23.00	1
		25	12		22.92		23.00	1
		25	25		22.89		23.00	1
		50	0		22.96		23.00	1
10	16-QAM	1	0		22.93		23.00	1
		1	25		22.95		23.00	1
		1	49		22.93		23.00	1
		25	0		21.98		22.00	2
		25	12		21.95		22.00	2
		25	25		21.91		22.00	2
		50	0		21.88		22.00	2
10	64-QAM	1	0		21.94		22.00	2
		1	25		21.93		22.00	2
		1	49		21.97		22.00	2
		25	0		20.97		21.00	3
		25	12		20.96		21.00	3
		25	25		20.97		21.00	3
		50	0		20.89		21.00	3
10	256-QAM	1	0		20.95		21.00	3
		1	25		20.87		21.00	3
		1	49		20.93		21.00	3
		25	0		19.97		20.00	4
		25	12		19.90		20.00	4
		25	25		19.97		20.00	4
		50	0		19.97		20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 14								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				790.5	793	795.5		
Channel				23305	23330	23355		
5	QPSK	1	0	23.96	23.91	23.90	24.00	0
		1	12	23.92	23.94	23.91	24.00	0
		1	24	23.87	23.89	23.90	24.00	0
		12	0	22.97	22.94	22.93	23.00	1
		12	6	22.98	22.96	22.92	23.00	1
		12	13	22.89	22.95	22.96	23.00	1
		25	0	22.97	22.93	22.95	23.00	1
5	16-QAM	1	0	22.92	22.89	22.95	23.00	1
		1	12	22.92	22.93	22.90	23.00	1
		1	24	22.89	22.93	22.95	23.00	1
		12	0	21.94	21.97	21.93	22.00	2
		12	6	21.92	21.93	21.89	22.00	2
		12	13	21.93	21.90	21.98	22.00	2
		25	0	21.90	21.95	21.98	22.00	2
5	64-QAM	1	0	21.90	21.92	21.95	22.00	2
		1	12	21.91	21.96	21.90	22.00	2
		1	24	21.93	21.95	21.98	22.00	2
		12	0	20.90	20.93	20.91	21.00	3
		12	6	20.97	20.89	20.91	21.00	3
		12	13	20.98	20.96	20.93	21.00	3
		25	0	20.97	20.93	20.98	21.00	3
5	256-QAM	1	0	20.89	20.93	20.90	21.00	3
		1	12	20.93	20.91	20.97	21.00	3
		1	24	20.89	20.93	20.97	21.00	3
		12	0	19.92	19.96	19.97	20.00	4
		12	6	19.90	19.95	19.91	20.00	4
		12	13	19.97	19.96	19.93	20.00	4
		25	0	19.89	19.93	19.92	20.00	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				709	710	711		
Channel				23780	23790	23800		
10	QPSK	1	0	23.89	23.99	23.98	24.00	0
		1	25	23.80	23.86	23.85	24.00	0
		1	49	23.79	23.88	23.84	24.00	0
		25	0	22.85	22.86	22.88	23.00	1
		25	12	22.81	22.79	22.82	23.00	1
		25	25	22.80	22.81	22.83	23.00	1
		50	0	22.84	22.85	22.87	23.00	1
10	16-QAM	1	0	22.77	22.81	22.82	23.00	1
		1	25	22.86	22.87	22.79	23.00	1
		1	49	22.80	22.86	22.83	23.00	1
		25	0	21.84	21.85	21.86	22.00	2
		25	12	21.82	21.84	21.83	22.00	2
		25	25	21.84	21.80	21.81	22.00	2
		50	0	21.83	21.84	21.82	22.00	2
10	64-QAM	1	0	21.88	21.83	21.85	22.00	2
		1	25	21.87	21.79	21.86	22.00	2
		1	49	21.82	21.84	21.80	22.00	2
		25	0	20.86	20.83	20.85	21.00	3
		25	12	20.86	20.85	20.87	21.00	3
		25	25	20.87	20.85	20.79	21.00	3
		50	0	20.85	20.82	20.88	21.00	3
10	256-QAM	1	0	20.87	20.86	20.79	21.00	3
		1	25	20.85	20.87	20.80	21.00	3
		1	49	20.85	20.87	20.86	21.00	3
		25	0	19.80	19.88	19.86	20.00	4
		25	12	19.88	19.86	19.81	20.00	4
		25	25	19.83	19.85	19.88	20.00	4
		50	0	19.87	19.86	19.82	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 17								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				706.5	710	713.5		
Channel				23755	23790	23825		
5	QPSK	1	0	23.88	23.81	23.80	24.00	0
		1	12	23.83	23.85	23.79	24.00	0
		1	24	23.81	23.86	23.85	24.00	0
		12	0	22.82	22.81	22.78	23.00	1
		12	6	22.84	22.83	22.82	23.00	1
		12	13	22.87	22.82	22.84	23.00	1
		25	0	22.82	22.86	22.85	23.00	1
5	16-QAM	1	0	22.83	22.79	22.86	23.00	1
		1	12	22.81	22.79	22.88	23.00	1
		1	24	22.85	22.80	22.83	23.00	1
		12	0	21.85	21.81	21.82	22.00	2
		12	6	21.83	21.80	21.88	22.00	2
		12	13	21.85	21.86	21.88	22.00	2
		25	0	21.83	21.85	21.86	22.00	2
5	64-QAM	1	0	21.82	21.83	21.79	22.00	2
		1	12	21.86	21.88	21.87	22.00	2
		1	24	21.84	21.87	21.80	22.00	2
		12	0	20.88	20.83	20.86	21.00	3
		12	6	20.80	20.79	20.86	21.00	3
		12	13	20.81	20.84	20.79	21.00	3
		25	0	20.87	20.88	20.94	21.00	3
5	256-QAM	1	0	20.88	20.83	20.79	21.00	3
		1	12	20.86	20.81	20.85	21.00	3
		1	24	20.79	20.82	20.92	21.00	3
		12	0	19.80	19.79	19.83	20.00	4
		12	6	19.80	19.82	19.81	20.00	4
		12	13	19.84	19.79	19.81	20.00	4
		25	0	19.87	19.86	19.84	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 26_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				821.5	831.5	841.5		
Channel				26765	26865	26965		
15	QPSK	1	0	23.97	23.68	23.74	24.00	0
		1	36	23.89	23.90	23.91	24.00	0
		1	74	23.91	23.90	23.94	24.00	0
		36	0	22.95	22.89	22.90	23.00	1
		36	18	22.95	22.96	22.94	23.00	1
		36	37	22.97	22.90	22.91	23.00	1
		75	0	22.91	22.92	22.96	23.00	1
15	16-QAM	1	0	22.89	22.94	22.93	23.00	1
		1	36	22.88	22.90	22.93	23.00	1
		1	74	22.91	22.97	22.94	23.00	1
		36	0	21.89	21.93	21.88	22.00	2
		36	18	21.95	21.92	21.96	22.00	2
		36	37	21.93	21.97	21.89	22.00	2
		75	0	21.89	21.93	21.96	22.00	2
15	64-QAM	1	0	21.94	21.96	21.99	22.00	2
		1	36	21.90	21.95	21.91	22.00	2
		1	74	21.92	21.89	21.95	22.00	2
		36	0	20.97	20.96	20.93	21.00	3
		36	18	20.91	20.92	20.94	21.00	3
		36	37	20.89	20.93	20.97	21.00	3
		75	0	20.89	20.91	20.92	21.00	3
15	256-QAM	1	0	20.94	20.95	20.99	21.00	3
		1	36	20.90	20.89	20.95	21.00	3
		1	74	20.93	20.90	20.90	21.00	3
		36	0	19.92	19.89	19.97	20.00	4
		36	18	19.97	19.91	19.93	20.00	4
		36	37	19.92	19.97	19.96	20.00	4
		75	0	19.92	19.89	19.90	20.00	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				819	831.5	844		
Channel				26740	26865	26990		
10	QPSK	1	0	23.90	23.96	23.89	24.00	0
		1	25	23.94	23.96	23.95	24.00	0
		1	49	23.96	23.96	23.90	24.00	0
		25	0	22.94	22.89	22.90	23.00	1
		25	12	22.97	22.96	22.91	23.00	1
		25	25	22.96	22.89	22.94	23.00	1
		50	0	22.93	22.89	22.92	23.00	1
10	16-QAM	1	0	22.93	22.89	22.91	23.00	1
		1	25	22.95	22.97	22.94	23.00	1
		1	49	22.95	22.97	22.96	23.00	1
		25	0	21.90	21.94	21.89	22.00	2
		25	12	21.96	21.90	21.95	22.00	2
		25	25	21.90	21.91	21.94	22.00	2
		50	0	21.96	21.99	21.92	22.00	2
10	64-QAM	1	0	21.93	21.94	21.95	22.00	2
		1	25	21.93	21.94	21.97	22.00	2
		1	49	21.99	21.97	21.94	22.00	2
		25	0	20.93	20.91	20.88	21.00	3
		25	12	20.89	20.97	20.95	21.00	3
		25	25	20.97	20.89	20.88	21.00	3
		50	0	20.94	20.92	20.89	21.00	3
10	256-QAM	1	0	20.95	20.89	20.92	21.00	3
		1	25	20.93	20.88	20.96	21.00	3
		1	49	20.97	20.90	20.92	21.00	3
		25	0	19.91	19.89	19.90	20.00	4
		25	12	19.90	19.94	19.93	20.00	4
		25	25	19.91	19.96	19.89	20.00	4
		50	0	19.94	19.97	19.99	20.00	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				816.5	831.5	846.5		
Channel				26715	26865	27015		
5	QPSK	1	0	23.89	23.96	23.91	24.00	0
		1	12	23.89	23.94	23.92	24.00	0
		1	24	23.91	23.92	23.90	24.00	0
		12	0	22.95	22.88	22.89	23.00	1
		12	6	22.92	22.91	22.88	23.00	1
		12	13	22.94	22.89	22.96	23.00	1
		25	0	22.93	22.90	22.94	23.00	1
5	16-QAM	1	0	22.96	22.90	22.94	23.00	1
		1	12	22.93	22.94	22.95	23.00	1
		1	24	22.91	22.90	22.93	23.00	1
		12	0	21.94	21.91	21.88	22.00	2
		12	6	21.94	21.92	21.90	22.00	2
		12	13	21.94	21.93	21.90	22.00	2
		25	0	21.93	21.95	21.88	22.00	2
5	64-QAM	1	0	21.92	21.96	21.93	22.00	2
		1	12	21.94	21.96	21.97	22.00	2
		1	24	21.96	21.91	21.88	22.00	2
		12	0	20.90	20.91	20.95	21.00	3
		12	6	20.96	20.88	20.93	21.00	3
		12	13	20.94	20.89	20.91	21.00	3
		25	0	20.99	20.89	20.95	21.00	3
5	256-QAM	1	0	20.91	20.96	20.89	21.00	3
		1	12	20.96	20.94	20.89	21.00	3
		1	24	20.94	20.95	20.93	21.00	3
		12	0	19.91	19.93	19.95	20.00	4
		12	6	19.93	19.96	19.90	20.00	4
		12	13	19.95	19.90	19.97	20.00	4
		25	0	19.91	19.90	19.95	20.00	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				815.5	831.5	847.5		
Channel				26705	26865	27025		
3	QPSK	1	0	23.89	23.92	23.88	24.00	0
		1	7	23.92	23.94	23.88	24.00	0
		1	14	23.90	23.91	23.87	24.00	0
		8	0	22.94	22.92	22.97	23.00	1
		8	4	22.97	22.95	22.89	23.00	1
		8	7	22.91	22.93	22.94	23.00	1
		15	0	22.95	22.93	22.89	23.00	1
3	16-QAM	1	0	22.88	22.93	22.94	23.00	1
		1	7	22.97	22.89	22.91	23.00	1
		1	14	22.96	22.92	22.94	23.00	1
		8	0	21.92	21.96	21.93	22.00	2
		8	4	21.95	21.91	21.92	22.00	2
		8	7	21.95	21.88	21.89	22.00	2
		15	0	21.91	21.92	21.93	22.00	2
3	64-QAM	1	0	21.96	21.95	21.92	22.00	2
		1	7	21.95	21.92	21.97	22.00	2
		1	14	21.95	21.91	21.92	22.00	2
		8	0	20.97	20.94	20.93	21.00	3
		8	4	20.97	20.88	20.96	21.00	3
		8	7	20.88	20.91	20.92	21.00	3
		15	0	20.88	20.93	20.91	21.00	3
3	256-QAM	1	0	20.89	20.94	20.90	21.00	3
		1	7	20.89	20.96	20.88	21.00	3
		1	14	20.88	20.96	20.93	21.00	3
		8	0	19.89	19.96	19.92	20.00	4
		8	4	19.93	19.91	19.94	20.00	4
		8	7	19.96	19.94	19.90	20.00	4
		15	0	19.94	19.89	19.88	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 26_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				814.7	831.5	848.3		
Channel				26697	26865	27033		
1.4	QPSK	1	0	23.95	23.96	23.92	24.00	0
		1	2	23.91	23.94	23.93	24.00	0
		1	5	23.88	23.92	23.91	24.00	0
		3	0	23.96	23.95	23.89	24.00	0
		3	2	23.96	23.92	23.93	24.00	0
		3	3	23.96	23.95	23.92	24.00	0
		6	0	22.96	22.97	22.93	23.00	1
1.4	16-QAM	1	0	22.96	22.92	22.91	23.00	1
		1	2	22.88	22.91	22.90	23.00	1
		1	5	22.94	22.99	22.95	23.00	1
		3	0	22.96	22.90	22.92	23.00	1
		3	2	22.93	22.90	22.88	23.00	1
		3	3	22.92	22.95	22.96	23.00	1
		6	0	21.90	21.94	21.93	22.00	2
1.4	64-QAM	1	0	21.97	21.96	21.90	22.00	2
		1	2	21.97	21.92	21.95	22.00	2
		1	5	21.89	21.86	21.92	22.00	2
		3	0	21.90	21.93	21.88	22.00	2
		3	2	21.88	21.90	21.91	22.00	2
		3	3	21.91	21.90	21.93	22.00	2
		6	0	20.95	20.92	20.91	21.00	3
1.4	256-QAM	1	0	20.97	20.94	20.90	21.00	3
		1	2	20.88	20.93	20.90	21.00	3
		1	5	20.94	20.89	20.95	21.00	3
		3	0	20.93	20.90	20.96	21.00	3
		3	2	20.97	20.90	20.96	21.00	3
		3	3	20.88	20.94	20.96	21.00	3
		6	0	19.94	19.97	19.89	20.00	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 71								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				673	680.5	688		
Channel				133222	133297	133372		
20	QPSK	1	0	23.88	23.72	23.90	24.00	0
		1	50	23.80	23.79	23.77	24.00	0
		1	99	23.80	23.79	23.82	24.00	0
		50	0	22.82	22.81	22.77	23.00	1
		50	25	22.83	22.82	22.74	23.00	1
		50	50	22.82	22.80	22.74	23.00	1
		100	0	22.75	22.76	22.78	23.00	1
20	16-QAM	1	0	22.78	22.83	22.77	23.00	1
		1	50	22.79	22.82	22.75	23.00	1
		1	99	22.77	22.80	22.82	23.00	1
		50	0	21.76	21.79	21.75	22.00	2
		50	25	21.82	21.81	21.78	22.00	2
		50	50	21.78	21.77	21.81	22.00	2
		100	0	21.80	21.81	21.82	22.00	2
20	64-QAM	1	0	21.78	21.83	21.82	22.00	2
		1	50	21.78	21.83	21.80	22.00	2
		1	99	21.77	21.88	21.78	22.00	2
		50	0	20.82	20.80	20.79	21.00	3
		50	25	20.80	20.75	20.78	21.00	3
		50	50	20.83	20.79	20.74	21.00	3
		100	0	20.79	20.83	20.78	21.00	3
20	256-QAM	1	0	20.82	20.74	20.78	21.00	3
		1	50	20.83	20.79	20.74	21.00	3
		1	99	20.82	20.78	20.74	21.00	3
		50	0	19.74	19.77	19.81	20.00	4
		50	25	19.76	19.84	19.81	20.00	4
		50	50	19.77	19.75	19.78	20.00	4
		100	0	19.75	19.85	19.82	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 71								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				670.5	680.5	690.5		
Channel				133197	133297	133397		
15	QPSK	1	0	23.76	23.83	23.74	24.00	0
		1	36	23.78	23.81	23.82	24.00	0
		1	74	23.79	23.77	23.82	24.00	0
		36	0	22.76	22.78	22.75	23.00	1
		36	18	22.82	22.74	22.76	23.00	1
		36	37	22.76	22.80	22.83	23.00	1
		75	0	22.83	22.81	22.77	23.00	1
15	16-QAM	1	0	22.80	22.81	22.83	23.00	1
		1	36	22.82	22.80	22.79	23.00	1
		1	74	22.81	22.80	22.74	23.00	1
		36	0	21.77	21.76	21.83	22.00	2
		36	18	21.77	21.79	21.83	22.00	2
		36	37	21.76	21.79	21.77	22.00	2
		75	0	21.75	21.74	21.80	22.00	2
15	64-QAM	1	0	21.76	21.82	21.83	22.00	2
		1	36	21.80	21.78	21.82	22.00	2
		1	74	21.78	21.84	21.80	22.00	2
		36	0	20.78	20.75	20.82	21.00	3
		36	18	20.83	20.82	20.76	21.00	3
		36	37	20.74	20.79	20.75	21.00	3
		75	0	20.76	20.80	20.77	21.00	3
15	256-QAM	1	0	20.85	20.79	20.81	21.00	3
		1	36	20.79	20.80	20.76	21.00	3
		1	74	20.82	20.80	20.74	21.00	3
		36	0	19.78	19.83	19.81	20.00	4
		36	18	19.83	19.80	19.74	20.00	4
		36	37	19.75	19.78	19.79	20.00	4
		75	0	19.77	19.78	19.80	20.00	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 71								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				668	680.5	693		
Channel				133172	133297	133422		
10	QPSK	1	0	23.75	23.76	23.83	24.00	0
		1	25	23.82	23.80	23.81	24.00	0
		1	49	23.74	23.82	23.80	24.00	0
		25	0	22.81	22.83	22.76	23.00	1
		25	12	22.77	22.80	22.77	23.00	1
		25	25	22.83	22.77	22.74	23.00	1
		50	0	22.81	22.77	22.78	23.00	1
10	16-QAM	1	0	22.81	22.82	22.81	23.00	1
		1	25	22.75	22.76	22.83	23.00	1
		1	49	22.79	22.75	22.82	23.00	1
		25	0	21.83	21.76	21.80	22.00	2
		25	12	21.83	21.83	21.83	22.00	2
		25	25	21.79	21.80	21.81	22.00	2
		50	0	21.79	21.74	21.79	22.00	2
10	64-QAM	1	0	21.75	21.80	21.75	22.00	2
		1	25	21.80	21.80	21.77	22.00	2
		1	49	21.82	21.74	21.77	22.00	2
		25	0	20.80	20.78	20.80	21.00	3
		25	12	20.76	20.75	20.76	21.00	3
		25	25	20.76	20.79	20.76	21.00	3
		50	0	20.81	20.82	20.75	21.00	3
10	256-QAM	1	0	20.83	20.82	20.81	21.00	3
		1	25	20.77	20.82	20.83	21.00	3
		1	49	20.75	20.79	20.74	21.00	3
		25	0	19.83	19.74	19.76	20.00	4
		25	12	19.80	19.80	19.78	20.00	4
		25	25	19.81	19.77	19.74	20.00	4
		50	0	19.80	19.83	19.81	20.00	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 71								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				665.5	680.5	695.5		
Channel				133147	133297	133447		
5	QPSK	1	0	23.80	23.79	23.79	24.00	0
		1	12	23.82	23.79	23.76	24.00	0
		1	24	23.79	23.75	23.81	24.00	0
		12	0	22.82	22.75	22.79	23.00	1
		12	6	22.78	22.81	22.81	23.00	1
		12	13	22.76	22.79	22.77	23.00	1
		25	0	22.80	22.74	22.79	23.00	1
5	16-QAM	1	0	22.80	22.75	22.74	23.00	1
		1	12	22.75	22.82	22.74	23.00	1
		1	24	22.83	22.77	22.81	23.00	1
		12	0	21.75	21.75	21.80	22.00	2
		12	6	21.80	21.75	21.80	22.00	2
		12	13	21.82	21.78	21.81	22.00	2
		25	0	21.83	21.80	21.76	22.00	2
5	64-QAM	1	0	21.80	21.78	21.74	22.00	2
		1	12	21.81	21.74	21.79	22.00	2
		1	24	21.75	21.82	21.83	22.00	2
		12	0	20.75	20.77	20.81	21.00	3
		12	6	20.78	20.78	20.81	21.00	3
		12	13	20.76	20.75	20.78	21.00	3
		25	0	20.82	20.77	20.83	21.00	3
5	256-QAM	1	0	20.76	20.77	20.82	21.00	3
		1	12	20.81	20.82	20.74	21.00	3
		1	24	20.77	20.82	20.83	21.00	3
		12	0	19.82	19.80	19.76	20.00	4
		12	6	19.80	19.75	19.82	20.00	4
		12	13	19.80	19.74	19.80	20.00	4
		25	0	19.76	19.77	19.77	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

MIMO 2 Full

LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1860	1880	1900		
Channel				18700	18900	19100		
20	QPSK	1	0	23.14	23.56	23.79	24.00	0
		1	50	23.65	23.62	23.65	24.00	0
		1	99	23.60	23.60	23.63	24.00	0
		50	0	22.58	22.64	22.63	23.00	1
		50	25	22.64	22.60	22.60	23.00	1
		50	50	22.62	22.57	22.64	23.00	1
		100	0	22.56	22.65	22.57	23.00	1
20	16-QAM	1	0	22.57	22.58	22.58	23.00	1
		1	50	22.58	22.59	22.65	23.00	1
		1	99	22.64	22.60	22.64	23.00	1
		50	0	21.65	21.58	21.56	22.00	2
		50	25	21.59	21.56	21.62	22.00	2
		50	50	21.62	21.60	21.58	22.00	2
		100	0	21.57	21.64	21.61	22.00	2
20	64-QAM	1	0	21.57	21.62	21.61	22.00	2
		1	50	21.63	21.65	21.61	22.00	2
		1	99	21.65	21.57	21.61	22.00	2
		50	0	20.56	20.56	20.60	21.00	3
		50	25	20.61	20.57	20.56	21.00	3
		50	50	20.63	20.58	20.64	21.00	3
		100	0	20.63	20.61	20.59	21.00	3
20	256-QAM	1	0	20.56	20.61	20.57	21.00	3
		1	50	20.63	20.63	20.57	21.00	3
		1	99	20.60	20.57	20.59	21.00	3
		50	0	19.56	19.56	19.56	20.00	4
		50	25	19.58	19.60	19.56	20.00	4
		50	50	19.64	19.56	19.56	20.00	4
		100	0	19.59	19.60	19.63	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1880	1902.5		
Channel				18675	18900	19125		
15	QPSK	1	0	23.62	23.68	23.67	24.00	0
		1	36	23.60	23.64	23.66	24.00	0
		1	74	23.63	23.63	23.64	24.00	0
		36	0	22.63	22.60	22.64	23.00	1
		36	18	22.63	22.63	22.68	23.00	1
		36	37	22.68	22.59	22.65	23.00	1
		75	0	22.59	22.64	22.62	23.00	1
15	16-QAM	1	0	22.62	22.63	22.60	23.00	1
		1	36	22.68	22.68	22.65	23.00	1
		1	74	22.66	22.59	22.60	23.00	1
		36	0	21.63	21.63	21.61	22.00	2
		36	18	21.68	21.67	21.63	22.00	2
		36	37	21.61	21.62	21.63	22.00	2
		75	0	21.67	21.66	21.65	22.00	2
15	64-QAM	1	0	21.63	21.59	21.59	22.00	2
		1	36	21.60	21.60	21.65	22.00	2
		1	74	21.63	21.60	21.64	22.00	2
		36	0	20.64	20.64	20.63	21.00	3
		36	18	20.66	20.60	20.63	21.00	3
		36	37	20.68	20.59	20.65	21.00	3
		75	0	20.64	20.65	20.66	21.00	3
15	256-QAM	1	0	20.65	20.64	20.67	21.00	3
		1	36	20.64	20.60	20.60	21.00	3
		1	74	20.63	20.66	20.60	21.00	3
		36	0	19.67	19.59	19.63	20.00	4
		36	18	19.63	19.61	19.60	20.00	4
		36	37	19.63	19.62	19.60	20.00	4
		75	0	19.66	19.59	19.62	20.00	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1855	1880	1905		
Channel				18650	18900	19150		
10	QPSK	1	0	23.62	23.67	23.66	24.00	0
		1	25	23.61	23.65	23.64	24.00	0
		1	49	23.68	23.60	23.66	24.00	0
		25	0	22.63	22.61	22.67	23.00	1
		25	12	22.61	22.60	22.68	23.00	1
		25	25	22.65	22.60	22.63	23.00	1
		50	0	22.67	22.61	22.68	23.00	1
10	16-QAM	1	0	22.68	22.60	22.63	23.00	1
		1	25	22.63	22.62	22.59	23.00	1
		1	49	22.64	22.63	22.62	23.00	1
		25	0	21.59	21.66	21.67	22.00	2
		25	12	21.62	21.61	21.68	22.00	2
		25	25	21.67	21.61	21.64	22.00	2
		50	0	21.66	21.64	21.67	22.00	2
10	64-QAM	1	0	21.63	21.68	21.61	22.00	2
		1	25	21.67	21.65	21.66	22.00	2
		1	49	21.62	21.65	21.67	22.00	2
		25	0	20.60	20.61	20.62	21.00	3
		25	12	20.67	20.66	20.64	21.00	3
		25	25	20.67	20.63	20.62	21.00	3
		50	0	20.60	20.67	20.68	21.00	3
10	256-QAM	1	0	20.66	20.61	20.65	21.00	3
		1	25	20.60	20.59	20.67	21.00	3
		1	49	20.63	20.68	20.62	21.00	3
		25	0	19.61	19.59	19.64	20.00	4
		25	12	19.67	19.65	19.64	20.00	4
		25	25	19.65	19.65	19.61	20.00	4
		50	0	19.66	19.68	19.63	20.00	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1852.5	1880	1907.5		
Channel				18625	18900	19175		
5	QPSK	1	0	23.59	23.64	23.61	24.00	0
		1	12	23.63	23.66	23.65	24.00	0
		1	24	23.65	23.59	23.67	24.00	0
		12	0	22.62	22.67	22.67	23.00	1
		12	6	22.63	22.60	22.65	23.00	1
		12	13	22.60	22.62	22.63	23.00	1
		25	0	22.66	22.63	22.62	23.00	1
5	16-QAM	1	0	22.68	22.59	22.66	23.00	1
		1	12	22.63	22.65	22.61	23.00	1
		1	24	22.66	22.65	22.62	23.00	1
		12	0	21.67	21.68	21.65	22.00	2
		12	6	21.59	21.65	21.63	22.00	2
		12	13	21.67	21.63	21.66	22.00	2
		25	0	21.60	21.64	21.64	22.00	2
5	64-QAM	1	0	21.62	21.64	21.61	22.00	2
		1	12	21.68	21.67	21.64	22.00	2
		1	24	21.64	21.64	21.61	22.00	2
		12	0	20.60	20.63	20.60	21.00	3
		12	6	20.67	20.67	20.68	21.00	3
		12	13	20.62	20.67	20.64	21.00	3
		25	0	20.66	20.67	20.65	21.00	3
5	256-QAM	1	0	20.67	20.67	20.59	21.00	3
		1	12	20.65	20.62	20.59	21.00	3
		1	24	20.65	20.61	20.68	21.00	3
		12	0	19.62	19.66	19.64	20.00	4
		12	6	19.65	19.68	19.63	20.00	4
		12	13	19.65	19.63	19.59	20.00	4
		25	0	19.67	19.61	19.63	20.00	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1851.5	1880	1908.5		
Channel				18615	18900	19185		
3	QPSK	1	0	23.66	23.59	23.68	24.00	0
		1	7	23.59	23.66	23.66	24.00	0
		1	14	23.61	23.60	23.62	24.00	0
		8	0	22.61	22.68	22.63	23.00	1
		8	4	22.59	22.67	22.60	23.00	1
		8	7	22.61	22.60	22.66	23.00	1
		15	0	22.66	22.61	22.66	23.00	1
3	16-QAM	1	0	22.65	22.64	22.60	23.00	1
		1	7	22.61	22.59	22.67	23.00	1
		1	14	22.67	22.60	22.60	23.00	1
		8	0	21.65	21.68	21.66	22.00	2
		8	4	21.68	21.59	21.59	22.00	2
		8	7	21.65	21.68	21.68	22.00	2
		15	0	21.62	21.67	21.67	22.00	2
3	64-QAM	1	0	21.67	21.68	21.65	22.00	2
		1	7	21.66	21.65	21.67	22.00	2
		1	14	21.60	21.64	21.65	22.00	2
		8	0	20.63	20.67	20.59	21.00	3
		8	4	20.67	20.66	20.59	21.00	3
		8	7	20.63	20.67	20.64	21.00	3
		15	0	20.59	20.61	20.65	21.00	3
3	256-QAM	1	0	20.67	20.67	20.63	21.00	3
		1	7	20.68	20.68	20.67	21.00	3
		1	14	20.61	20.68	20.59	21.00	3
		8	0	19.64	19.68	19.67	20.00	4
		8	4	19.68	19.66	19.63	20.00	4
		8	7	19.65	19.63	19.68	20.00	4
		15	0	19.63	19.61	19.66	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1850.7	1880	1909.3		
Channel				18607	18900	19193		
1.4	QPSK	1	0	23.62	23.64	23.64	24.00	0
		1	2	23.67	23.59	23.68	24.00	0
		1	5	23.68	23.60	23.62	24.00	0
		3	0	23.67	23.60	23.63	24.00	0
		3	2	23.59	23.66	23.66	24.00	0
		3	3	23.63	23.68	23.68	24.00	0
		6	0	22.65	22.61	22.61	23.00	1
1.4	16-QAM	1	0	22.62	22.64	22.62	23.00	1
		1	2	22.63	22.62	22.66	23.00	1
		1	5	22.66	22.68	22.68	23.00	1
		3	0	22.68	22.68	22.66	23.00	1
		3	2	22.59	22.59	22.65	23.00	1
		3	3	22.65	22.59	22.65	23.00	1
		6	0	21.68	21.60	21.61	22.00	2
1.4	64-QAM	1	0	21.59	21.63	21.65	22.00	2
		1	2	21.64	21.61	21.62	22.00	2
		1	5	21.68	21.66	21.62	22.00	2
		3	0	21.67	21.64	21.68	22.00	2
		3	2	21.68	21.64	21.68	22.00	2
		3	3	21.66	21.60	21.68	22.00	2
		6	0	20.61	20.68	20.63	21.00	3
1.4	256-QAM	1	0	20.68	20.67	20.64	21.00	3
		1	2	20.65	20.62	20.63	21.00	3
		1	5	20.66	20.66	20.68	21.00	3
		3	0	20.67	20.66	20.67	21.00	3
		3	2	20.62	20.62	20.63	21.00	3
		3	3	20.63	20.66	20.67	21.00	3
		6	0	19.65	19.63	19.63	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1720	1732.5	1745		
Channel				20050	20175	20300		
20	QPSK	1	0	23.46	23.30	23.39	23.50	0
		1	50	23.24	23.16	23.24	23.50	0
		1	99	23.30	23.13	23.18	23.50	0
		50	0	22.32	22.07	22.36	22.50	1
		50	25	22.19	22.11	22.18	22.50	1
		50	50	22.41	22.16	22.18	22.50	1
		100	0	22.27	22.12	22.25	22.50	1
20	16-QAM	1	0	22.35	22.07	22.29	22.50	1
		1	50	22.40	22.08	22.18	22.50	1
		1	99	22.17	22.13	22.34	22.50	1
		50	0	21.27	21.11	21.18	21.50	2
		50	25	21.42	21.12	21.27	21.50	2
		50	50	21.25	21.24	21.14	21.50	2
		100	0	21.44	21.06	21.22	21.50	2
20	64-QAM	1	0	21.29	21.05	21.26	21.50	2
		1	50	21.24	21.14	21.24	21.50	2
		1	99	21.32	21.14	21.18	21.50	2
		50	0	20.33	20.08	20.20	20.50	3
		50	25	20.25	20.13	20.36	20.50	3
		50	50	20.25	20.18	20.23	20.50	3
		100	0	20.35	20.06	20.20	20.50	3
20	256-QAM	1	0	20.24	20.15	20.16	20.50	3
		1	50	20.28	20.06	20.31	20.50	3
		1	99	20.26	20.16	20.25	20.50	3
		50	0	19.30	19.10	19.26	19.50	4
		50	25	19.26	19.10	19.33	19.50	4
		50	50	19.20	19.16	19.35	19.50	4
		100	0	19.24	19.13	19.10	19.50	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
Channel				20025	20175	20325		
15	QPSK	1	0	23.27	23.11	23.19	23.50	0
		1	36	23.40	23.01	23.20	23.50	0
		1	74	23.31	23.12	23.32	23.50	0
		36	0	22.35	22.11	22.14	22.50	1
		36	18	22.19	22.22	22.27	22.50	1
		36	37	22.30	22.09	22.15	22.50	1
		75	0	22.32	22.23	22.29	22.50	1
15	16-QAM	1	0	22.39	22.15	22.30	22.50	1
		1	36	22.33	22.17	22.33	22.50	1
		1	74	22.27	22.04	22.19	22.50	1
		36	0	21.30	21.07	21.19	21.50	2
		36	18	21.32	21.05	21.17	21.50	2
		36	37	21.26	21.13	21.27	21.50	2
		75	0	21.32	21.12	21.23	21.50	2
15	64-QAM	1	0	21.26	21.11	21.25	21.50	2
		1	36	21.30	21.19	21.22	21.50	2
		1	74	21.32	21.10	21.14	21.50	2
		36	0	20.37	20.09	20.21	20.50	3
		36	18	20.23	20.19	20.29	20.50	3
		36	37	20.32	20.08	20.31	20.50	3
		75	0	20.32	20.17	20.13	20.50	3
15	256-QAM	1	0	20.35	20.07	20.26	20.50	3
		1	36	20.30	20.10	20.20	20.50	3
		1	74	20.28	20.13	20.33	20.50	3
		36	0	19.26	19.09	19.16	19.50	4
		36	18	19.27	19.19	19.17	19.50	4
		36	37	19.18	19.22	19.28	19.50	4
		75	0	19.21	19.11	19.26	19.50	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1715	1732.5	1750		
Channel				20000	20175	20350		
10	QPSK	1	0	23.27	23.05	23.20	23.50	0
		1	25	23.33	23.14	23.20	23.50	0
		1	49	23.20	23.05	23.27	23.50	0
		25	0	22.33	22.15	22.26	22.50	1
		25	12	22.39	22.23	22.27	22.50	1
		25	25	22.35	22.01	22.26	22.50	1
		50	0	22.37	22.14	22.13	22.50	1
10	16-QAM	1	0	22.29	22.13	22.12	22.50	1
		1	25	22.17	22.15	22.25	22.50	1
		1	49	22.29	22.05	22.17	22.50	1
		25	0	21.38	21.08	21.28	21.50	2
		25	12	21.30	21.12	21.16	21.50	2
		25	25	21.32	21.03	21.34	21.50	2
		50	0	21.26	21.08	21.19	21.50	2
10	64-QAM	1	0	21.30	21.19	21.34	21.50	2
		1	25	21.31	21.10	21.26	21.50	2
		1	49	21.22	21.21	21.33	21.50	2
		25	0	20.31	20.08	20.26	20.50	3
		25	12	20.40	20.12	20.23	20.50	3
		25	25	20.43	20.15	20.24	20.50	3
		50	0	20.37	20.15	20.34	20.50	3
10	256-QAM	1	0	20.27	20.19	20.22	20.50	3
		1	25	20.32	20.11	20.25	20.50	3
		1	49	20.28	20.23	20.28	20.50	3
		25	0	19.32	19.07	19.32	19.50	4
		25	12	19.31	19.04	19.26	19.50	4
		25	25	19.34	19.22	19.29	19.50	4
		50	0	19.39	19.05	19.23	19.50	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
Channel				19975	20175	20375		
5	QPSK	1	0	23.33	23.10	23.15	23.50	0
		1	12	23.18	23.13	23.26	23.50	0
		1	24	23.35	23.13	23.29	23.50	0
		12	0	22.39	22.12	22.21	22.50	1
		12	6	22.30	22.20	22.14	22.50	1
		12	13	22.42	22.26	22.28	22.50	1
		25	0	22.23	22.06	22.14	22.50	1
5	16-QAM	1	0	22.19	22.18	22.11	22.50	1
		1	12	22.24	22.08	22.30	22.50	1
		1	24	22.29	22.16	22.28	22.50	1
		12	0	21.27	21.22	21.36	21.50	2
		12	6	21.25	21.21	21.17	21.50	2
		12	13	21.31	21.17	21.26	21.50	2
		25	0	21.30	21.17	21.22	21.50	2
5	64-QAM	1	0	21.27	21.19	21.21	21.50	2
		1	12	21.26	21.10	21.32	21.50	2
		1	24	21.33	21.20	21.30	21.50	2
		12	0	20.36	20.11	20.17	20.50	3
		12	6	20.26	20.09	20.36	20.50	3
		12	13	20.39	20.13	20.15	20.50	3
		25	0	20.38	20.21	20.27	20.50	3
5	256-QAM	1	0	20.36	20.16	20.15	20.50	3
		1	12	20.28	20.03	20.11	20.50	3
		1	24	20.24	20.14	20.13	20.50	3
		12	0	19.23	19.21	19.31	19.50	4
		12	6	19.20	19.12	19.31	19.50	4
		12	13	19.26	19.10	19.37	19.50	4
		25	0	19.33	19.13	19.25	19.50	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
Channel				19965	20175	20385		
3	QPSK	1	0	23.24	23.14	23.17	23.50	0
		1	7	23.23	23.06	23.32	23.50	0
		1	14	23.30	23.04	23.22	23.50	0
		8	0	22.32	22.03	22.23	22.50	1
		8	4	22.37	22.09	22.28	22.50	1
		8	7	22.30	22.07	22.13	22.50	1
		15	0	22.25	22.22	22.32	22.50	1
3	16-QAM	1	0	22.25	22.16	22.14	22.50	1
		1	7	22.36	22.20	22.34	22.50	1
		1	14	22.31	22.13	22.32	22.50	1
		8	0	21.38	21.15	21.24	21.50	2
		8	4	21.33	21.07	21.25	21.50	2
		8	7	21.26	21.10	21.22	21.50	2
		15	0	21.27	21.24	21.15	21.50	2
3	64-QAM	1	0	21.33	21.16	21.17	21.50	2
		1	7	21.27	21.11	21.20	21.50	2
		1	14	21.29	21.04	21.26	21.50	2
		8	0	20.37	20.03	20.22	20.50	3
		8	4	20.20	20.20	20.22	20.50	3
		8	7	20.28	20.06	20.21	20.50	3
		15	0	20.28	20.20	20.20	20.50	3
3	256-QAM	1	0	20.22	20.17	20.24	20.50	3
		1	7	20.33	20.08	20.23	20.50	3
		1	14	20.30	20.17	20.28	20.50	3
		8	0	19.25	19.05	19.28	19.50	4
		8	4	19.37	19.02	19.14	19.50	4
		8	7	19.29	19.20	19.26	19.50	4
		15	0	19.42	19.26	19.13	19.50	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
Channel				19957	20175	20393		
1.4	QPSK	1	0	23.34	23.18	23.25	23.50	0
		1	2	23.30	23.11	23.10	23.50	0
		1	5	23.24	23.15	23.24	23.50	0
		3	0	22.26	22.14	22.20	23.50	0
		3	2	22.39	22.07	22.25	23.50	0
		3	3	22.22	22.20	22.30	23.50	0
		6	0	22.34	22.13	22.23	22.50	1
1.4	16-QAM	1	0	22.33	22.21	22.31	22.50	1
		1	2	22.35	22.03	22.35	22.50	1
		1	5	22.38	22.27	22.26	22.50	1
		3	0	21.28	21.17	21.37	22.50	1
		3	2	21.29	21.12	21.27	22.50	1
		3	3	21.37	21.18	21.25	22.50	1
		6	0	21.27	21.19	21.29	21.50	2
1.4	64-QAM	1	0	21.34	21.14	21.18	21.50	2
		1	2	21.41	21.24	21.14	21.50	2
		1	5	21.25	21.05	21.30	21.50	2
		3	0	20.35	20.12	20.18	21.50	2
		3	2	20.38	20.26	20.27	21.50	2
		3	3	20.30	20.06	20.19	21.50	2
		6	0	20.27	20.18	20.18	20.50	3
1.4	256-QAM	1	0	20.28	20.12	20.24	20.50	3
		1	2	20.24	20.10	20.23	20.50	3
		1	5	20.18	20.08	20.26	20.50	3
		3	0	19.27	19.18	19.29	20.50	3
		3	2	19.31	19.00	19.20	20.50	3
		3	3	19.31	19.05	19.13	20.50	3
		6	0	19.43	19.12	19.20	19.50	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 7								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2510	2535	2560		
Channel				20850	21100	21350		
20	QPSK	1	0	23.63	23.44	23.69	24.00	0
		1	50	23.59	23.54	23.57	24.00	0
		1	99	23.55	23.52	23.55	24.00	0
		50	0	22.51	22.51	22.59	23.00	1
		50	25	22.55	22.58	22.52	23.00	1
		50	50	22.58	22.58	22.53	23.00	1
		100	0	22.53	22.56	22.59	23.00	1
20	16-QAM	1	0	22.60	22.56	22.51	23.00	1
		1	50	22.58	22.52	22.55	23.00	1
		1	99	22.52	22.55	22.57	23.00	1
		50	0	21.56	21.58	21.59	22.00	2
		50	25	21.57	21.59	21.57	22.00	2
		50	50	21.55	21.52	21.59	22.00	2
		100	0	21.57	21.60	21.58	22.00	2
20	64-QAM	1	0	21.53	21.59	21.52	22.00	2
		1	50	21.55	21.60	21.53	22.00	2
		1	99	21.56	21.52	21.52	22.00	2
		50	0	20.51	20.57	20.58	21.00	3
		50	25	20.57	20.53	20.54	21.00	3
		50	50	20.52	20.58	20.55	21.00	3
		100	0	20.57	20.58	20.52	21.00	3
20	256-QAM	1	0	20.55	20.54	20.56	21.00	3
		1	50	20.60	20.59	20.54	21.00	3
		1	99	20.51	20.55	20.60	21.00	3
		50	0	19.55	19.52	19.51	20.00	4
		50	25	19.56	19.51	19.56	20.00	4
		50	50	19.59	19.57	19.59	20.00	4
		100	0	19.56	19.53	19.52	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 7								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2507.5	2535	2562.5		
Channel				20825	21100	21375		
15	QPSK	1	0	23.63	23.55	23.55	24.00	0
		1	36	23.55	23.60	23.57	24.00	0
		1	74	23.63	23.59	23.56	24.00	0
		36	0	22.55	22.57	22.60	23.00	1
		36	18	22.60	22.61	22.58	23.00	1
		36	37	22.59	22.62	22.63	23.00	1
		75	0	22.55	22.60	22.55	23.00	1
15	16-QAM	1	0	22.54	22.62	22.62	23.00	1
		1	36	22.62	22.61	22.56	23.00	1
		1	74	22.63	22.54	22.56	23.00	1
		36	0	21.56	21.56	21.61	22.00	2
		36	18	21.56	21.61	21.61	22.00	2
		36	37	21.56	21.60	21.62	22.00	2
		75	0	21.59	21.56	21.61	22.00	2
15	64-QAM	1	0	21.56	21.58	21.63	22.00	2
		1	36	21.58	21.56	21.55	22.00	2
		1	74	21.54	21.58	21.57	22.00	2
		36	0	20.59	20.56	20.59	21.00	3
		36	18	20.61	20.63	20.60	21.00	3
		36	37	20.61	20.61	20.60	21.00	3
		75	0	20.60	20.61	20.59	21.00	3
15	256-QAM	1	0	20.55	20.57	20.60	21.00	3
		1	36	20.59	20.58	20.54	21.00	3
		1	74	20.62	20.60	20.57	21.00	3
		36	0	19.57	19.57	19.60	20.00	4
		36	18	19.54	19.61	19.54	20.00	4
		36	37	19.62	19.62	19.54	20.00	4
		75	0	19.57	19.57	19.58	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 7								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2505	2535	2565		
Channel				20800	21100	21400		
10	QPSK	1	0	23.61	23.56	23.58	24.00	0
		1	25	23.60	23.60	23.57	24.00	0
		1	49	23.62	23.62	23.56	24.00	0
		25	0	22.63	22.55	22.54	23.00	1
		25	12	22.59	22.54	22.55	23.00	1
		25	25	22.56	22.61	22.57	23.00	1
		50	0	22.54	22.61	22.58	23.00	1
10	16-QAM	1	0	22.61	22.62	22.54	23.00	1
		1	25	22.60	22.55	22.57	23.00	1
		1	49	22.54	22.62	22.62	23.00	1
		25	0	21.54	21.55	21.57	22.00	2
		25	12	21.57	21.60	21.54	22.00	2
		25	25	21.57	21.58	21.56	22.00	2
		50	0	21.54	21.59	21.57	22.00	2
10	64-QAM	1	0	21.62	21.55	21.62	22.00	2
		1	25	21.57	21.57	21.60	22.00	2
		1	49	21.57	21.58	21.63	22.00	2
		25	0	20.60	20.60	20.58	21.00	3
		25	12	20.56	20.57	20.61	21.00	3
		25	25	20.62	20.56	20.58	21.00	3
		50	0	20.61	20.59	20.60	21.00	3
10	256-QAM	1	0	20.59	20.60	20.54	21.00	3
		1	25	20.58	20.56	20.63	21.00	3
		1	49	20.56	20.61	20.61	21.00	3
		25	0	19.59	19.56	19.62	20.00	4
		25	12	19.57	19.58	19.61	20.00	4
		25	25	19.55	19.60	19.61	20.00	4
		50	0	19.59	19.61	19.57	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 7								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2502.5	2535	2567.5		
Channel				20775	21100	21425		
5	QPSK	1	0	23.55	23.58	23.60	24.00	0
		1	12	23.55	23.59	23.54	24.00	0
		1	24	23.63	23.62	23.59	24.00	0
		12	0	22.57	22.55	22.55	23.00	1
		12	6	22.54	22.60	22.54	23.00	1
		12	13	22.60	22.61	22.62	23.00	1
		25	0	22.59	22.62	22.56	23.00	1
5	16-QAM	1	0	22.55	22.59	22.56	23.00	1
		1	12	22.54	22.61	22.63	23.00	1
		1	24	22.56	22.60	22.57	23.00	1
		12	0	21.59	21.63	21.61	22.00	2
		12	6	21.55	21.62	21.58	22.00	2
		12	13	21.56	21.56	21.62	22.00	2
		25	0	21.57	21.58	21.56	22.00	2
5	64-QAM	1	0	21.59	21.63	21.58	22.00	2
		1	12	21.63	21.56	21.57	22.00	2
		1	24	21.56	21.62	21.59	22.00	2
		12	0	20.57	20.62	20.61	21.00	3
		12	6	20.57	20.54	20.63	21.00	3
		12	13	20.58	20.54	20.56	21.00	3
		25	0	20.58	20.55	20.54	21.00	3
5	256-QAM	1	0	20.55	20.55	20.58	21.00	3
		1	12	20.60	20.56	20.54	21.00	3
		1	24	20.62	20.60	20.58	21.00	3
		12	0	19.55	19.63	19.58	20.00	4
		12	6	19.62	19.61	19.58	20.00	4
		12	13	19.54	19.62	19.62	20.00	4
		25	0	19.54	19.61	19.62	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1860	1882.5	1905		
Channel				26140	26365	26590		
20	QPSK	1	0	23.07	23.53	23.70	24.00	0
		1	50	23.62	23.65	23.61	24.00	0
		1	99	23.64	23.58	23.66	24.00	0
		50	0	22.61	22.66	22.67	23.00	1
		50	25	22.63	22.63	22.66	23.00	1
		50	50	22.66	22.66	22.60	23.00	1
		100	0	22.67	22.58	22.67	23.00	1
20	16-QAM	1	0	22.61	22.58	22.62	23.00	1
		1	50	22.66	22.58	22.64	23.00	1
		1	99	22.59	22.62	22.58	23.00	1
		50	0	21.61	21.67	21.62	22.00	2
		50	25	21.60	21.61	21.59	22.00	2
		50	50	21.59	21.58	21.60	22.00	2
		100	0	21.62	21.67	21.64	22.00	2
20	64-QAM	1	0	21.67	21.58	21.61	22.00	2
		1	50	21.58	21.65	21.63	22.00	2
		1	99	21.61	21.60	21.67	22.00	2
		50	0	20.64	20.58	20.67	21.00	3
		50	25	20.64	20.63	20.60	21.00	3
		50	50	20.59	20.64	20.61	21.00	3
		100	0	20.62	20.60	20.58	21.00	3
20	256-QAM	1	0	20.67	20.65	20.58	21.00	3
		1	50	20.61	20.64	20.58	21.00	3
		1	99	20.60	20.64	20.66	21.00	3
		50	0	19.60	19.67	19.62	20.00	4
		50	25	19.64	19.59	19.59	20.00	4
		50	50	19.61	19.66	19.58	20.00	4
		100	0	19.61	19.66	19.60	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
Channel				26115	26365	26615		
15	QPSK	1	0	23.63	23.65	23.68	24.00	0
		1	36	23.64	23.68	23.67	24.00	0
		1	74	23.67	23.61	23.67	24.00	0
		36	0	22.67	22.65	22.62	23.00	1
		36	18	22.70	22.61	22.65	23.00	1
		36	37	22.65	22.63	22.64	23.00	1
		75	0	22.67	22.68	22.61	23.00	1
15	16-QAM	1	0	22.61	22.62	22.63	23.00	1
		1	36	22.68	22.67	22.62	23.00	1
		1	74	22.63	22.63	22.69	23.00	1
		36	0	21.65	21.68	21.65	22.00	2
		36	18	21.64	21.67	21.61	22.00	2
		36	37	21.70	21.67	21.69	22.00	2
		75	0	21.64	21.63	21.70	22.00	2
15	64-QAM	1	0	21.62	21.68	21.70	22.00	2
		1	36	21.70	21.63	21.69	22.00	2
		1	74	21.64	21.64	21.63	22.00	2
		36	0	20.68	20.62	20.63	21.00	3
		36	18	20.62	20.69	20.65	21.00	3
		36	37	20.66	20.67	20.67	21.00	3
		75	0	20.64	20.69	20.64	21.00	3
15	256-QAM	1	0	20.69	20.68	20.61	21.00	3
		1	36	20.66	20.69	20.62	21.00	3
		1	74	20.62	20.61	20.67	21.00	3
		36	0	19.63	19.64	19.68	20.00	4
		36	18	19.69	19.61	19.69	20.00	4
		36	37	19.67	19.70	19.64	20.00	4
		75	0	19.69	19.65	19.62	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1855	1882.5	1910		
Channel				26090	26365	26640		
10	QPSK	1	0	23.67	23.63	23.66	24.00	0
		1	25	23.65	23.69	23.67	24.00	0
		1	49	23.68	23.68	23.68	24.00	0
		25	0	22.63	22.63	22.62	23.00	1
		25	12	22.66	22.64	22.70	23.00	1
		25	25	22.65	22.65	22.66	23.00	1
		50	0	22.61	22.70	22.67	23.00	1
10	16-QAM	1	0	22.65	22.63	22.70	23.00	1
		1	25	22.68	22.65	22.65	23.00	1
		1	49	22.62	22.63	22.62	23.00	1
		25	0	21.66	21.64	21.63	22.00	2
		25	12	21.65	21.63	21.61	22.00	2
		25	25	21.63	21.66	21.62	22.00	2
		50	0	21.61	21.67	21.66	22.00	2
10	64-QAM	1	0	21.63	21.67	21.63	22.00	2
		1	25	21.68	21.67	21.66	22.00	2
		1	49	21.68	21.69	21.67	22.00	2
		25	0	20.67	20.68	20.69	21.00	3
		25	12	20.67	20.69	20.69	21.00	3
		25	25	20.61	20.63	20.70	21.00	3
		50	0	20.66	20.61	20.62	21.00	3
10	256-QAM	1	0	20.61	20.63	20.64	21.00	3
		1	25	20.69	20.70	20.64	21.00	3
		1	49	20.69	20.63	20.67	21.00	3
		25	0	19.66	19.65	19.62	20.00	4
		25	12	19.64	19.61	19.66	20.00	4
		25	25	19.70	19.67	19.66	20.00	4
		50	0	19.70	19.62	19.61	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
Channel				26065	26365	26665		
5	QPSK	1	0	23.69	23.62	23.62	24.00	0
		1	12	23.64	23.64	23.66	24.00	0
		1	24	23.66	23.63	23.67	24.00	0
		12	0	22.63	22.69	22.70	23.00	1
		12	6	22.66	22.63	22.68	23.00	1
		12	13	22.62	22.63	22.68	23.00	1
		25	0	22.64	22.69	22.61	23.00	1
5	16-QAM	1	0	22.68	22.62	22.70	23.00	1
		1	12	22.69	22.70	22.62	23.00	1
		1	24	22.68	22.65	22.63	23.00	1
		12	0	21.69	21.62	21.63	22.00	2
		12	6	21.67	21.62	21.70	22.00	2
		12	13	21.62	21.61	21.66	22.00	2
		25	0	21.66	21.69	21.67	22.00	2
5	64-QAM	1	0	21.64	21.68	21.69	22.00	2
		1	12	21.69	21.65	21.70	22.00	2
		1	24	21.63	21.70	21.69	22.00	2
		12	0	20.62	20.70	20.65	21.00	3
		12	6	20.63	20.69	20.68	21.00	3
		12	13	20.69	20.63	20.62	21.00	3
		25	0	20.63	20.61	20.64	21.00	3
5	256-QAM	1	0	20.67	20.66	20.62	21.00	3
		1	12	20.66	20.70	20.61	21.00	3
		1	24	20.67	20.69	20.65	21.00	3
		12	0	19.65	19.63	19.65	20.00	4
		12	6	19.68	19.63	19.67	20.00	4
		12	13	19.70	19.68	19.63	20.00	4
		25	0	19.70	19.63	19.70	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1851.5	1882.5	1913.5		
Channel				26055	26365	26675		
3	QPSK	1	0	23.68	23.68	23.63	24.00	0
		1	7	23.63	23.68	23.61	24.00	0
		1	14	23.63	23.65	23.67	24.00	0
		8	0	22.64	22.64	22.63	23.00	1
		8	4	22.69	22.64	22.63	23.00	1
		8	7	22.65	22.67	22.65	23.00	1
		15	0	22.68	22.64	22.62	23.00	1
3	16-QAM	1	0	22.61	22.61	22.61	23.00	1
		1	7	22.70	22.68	22.65	23.00	1
		1	14	22.67	22.69	22.68	23.00	1
		8	0	21.65	21.70	21.66	22.00	2
		8	4	21.67	21.63	21.61	22.00	2
		8	7	21.61	21.69	21.62	22.00	2
		15	0	21.66	21.68	21.63	22.00	2
3	64-QAM	1	0	21.67	21.66	21.68	22.00	2
		1	7	21.66	21.70	21.62	22.00	2
		1	14	21.61	21.67	21.70	22.00	2
		8	0	20.65	20.67	20.62	21.00	3
		8	4	20.66	20.70	20.65	21.00	3
		8	7	20.61	20.61	20.64	21.00	3
		15	0	20.68	20.70	20.61	21.00	3
3	256-QAM	1	0	20.68	20.67	20.69	21.00	3
		1	7	20.64	20.61	20.70	21.00	3
		1	14	20.68	20.63	20.61	21.00	3
		8	0	19.68	19.62	19.68	20.00	4
		8	4	19.66	19.62	19.70	20.00	4
		8	7	19.64	19.66	19.67	20.00	4
		15	0	19.66	19.61	19.65	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1850.7	1882.5	1914.3		
Channel				26047	26365	26683		
1.4	QPSK	1	0	23.62	23.67	23.64	24.00	0
		1	2	23.69	23.69	23.63	24.00	0
		1	5	23.61	23.63	23.62	24.00	0
		3	0	23.61	23.65	23.61	24.00	0
		3	2	23.63	23.64	23.63	24.00	0
		3	3	23.69	23.63	23.63	24.00	0
		6	0	22.68	22.66	22.62	23.00	1
1.4	16-QAM	1	0	22.63	22.67	22.68	23.00	1
		1	2	22.64	22.68	22.69	23.00	1
		1	5	22.66	22.65	22.61	23.00	1
		3	0	22.68	22.61	22.68	23.00	1
		3	2	22.67	22.61	22.67	23.00	1
		3	3	22.63	22.68	22.63	23.00	1
		6	0	21.65	21.68	21.66	22.00	2
1.4	64-QAM	1	0	21.67	21.63	21.61	22.00	2
		1	2	21.69	21.68	21.69	22.00	2
		1	5	21.62	21.64	21.70	22.00	2
		3	0	21.66	21.65	21.67	22.00	2
		3	2	21.67	21.69	21.61	22.00	2
		3	3	21.69	21.63	21.66	22.00	2
		6	0	20.67	20.70	20.68	21.00	3
1.4	256-QAM	1	0	20.68	20.61	20.63	21.00	3
		1	2	20.64	20.62	20.65	21.00	3
		1	5	20.64	20.69	20.69	21.00	3
		3	0	20.63	20.70	20.61	21.00	3
		3	2	20.70	20.62	20.70	21.00	3
		3	3	20.69	20.63	20.63	21.00	3
		6	0	19.62	19.61	19.61	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 30								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					2310			
Channel					27710			
10	QPSK	1	0		22.99		23.00	0
		1	25		22.83		23.00	0
		1	49		22.83		23.00	0
		25	0		21.79		22.00	1
		25	12		21.83		22.00	1
		25	25		21.75		22.00	1
		50	0		21.77		22.00	1
10	16-QAM	1	0		21.83		22.00	1
		1	25		21.81		22.00	1
		1	49		21.78		22.00	1
		25	0		20.78		21.00	2
		25	12		20.81		21.00	2
		25	25		20.75		21.00	2
		50	0		20.75		21.00	2
10	64-QAM	1	0		20.77		21.00	2
		1	25		20.80		21.00	2
		1	49		20.83		21.00	2
		25	0		19.81		20.00	3
		25	12		19.79		20.00	3
		25	25		19.83		20.00	3
		50	0		19.74		20.00	3
10	256-QAM	1	0		19.76		20.00	3
		1	25		19.82		20.00	3
		1	49		19.82		20.00	3
		25	0		18.83		19.00	4
		25	12		18.74		19.00	4
		25	25		18.74		19.00	4
		50	0		18.80		19.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 30								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2307.5	2310	2312.5		
Channel				27685	27710	27735		
5	QPSK	1	0	22.79	22.78	22.81	23.00	0
		1	12	22.84	22.85	22.84	23.00	0
		1	24	22.83	22.83	22.86	23.00	0
		12	0	21.79	21.84	21.85	22.00	1
		12	6	21.82	21.82	21.82	22.00	1
		12	13	21.77	21.79	21.84	22.00	1
		25	0	21.78	21.79	21.80	22.00	1
5	16-QAM	1	0	21.81	21.81	21.80	22.00	1
		1	12	21.83	21.84	21.79	22.00	1
		1	24	21.86	21.80	21.78	22.00	1
		12	0	20.77	20.80	20.79	21.00	2
		12	6	20.82	20.82	20.86	21.00	2
		12	13	20.86	20.83	20.80	21.00	2
		25	0	20.77	20.85	20.81	21.00	2
5	64-QAM	1	0	20.77	20.80	20.83	21.00	2
		1	12	20.83	20.82	20.80	21.00	2
		1	24	20.84	20.86	20.85	21.00	2
		12	0	19.82	19.78	19.85	20.00	3
		12	6	19.84	19.78	19.77	20.00	3
		12	13	19.84	19.78	19.83	20.00	3
		25	0	19.78	19.77	19.86	20.00	3
5	256-QAM	1	0	19.80	19.83	19.82	20.00	3
		1	12	19.86	19.83	19.78	20.00	3
		1	24	19.84	19.82	19.80	20.00	3
		12	0	18.78	18.86	18.81	19.00	4
		12	6	18.77	18.83	18.85	19.00	4
		12	13	18.81	18.82	18.79	19.00	4
		25	0	18.81	18.78	18.82	19.00	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1720	1745	1770		
Channel				132072	132322	132572		
20	QPSK	1	0	23.95	23.91	23.99	24.00	0
		1	50	23.88	23.86	23.89	24.00	0
		1	99	23.90	23.86	23.84	24.00	0
		50	0	22.87	22.90	22.93	23.00	1
		50	25	22.91	22.92	22.93	23.00	1
		50	50	22.91	22.88	22.90	23.00	1
		100	0	22.89	22.85	22.92	23.00	1
20	16-QAM	1	0	22.84	22.86	22.86	23.00	1
		1	50	22.92	22.87	22.87	23.00	1
		1	99	22.85	22.87	22.88	23.00	1
		50	0	21.87	21.84	21.85	22.00	2
		50	25	21.86	21.90	21.85	22.00	2
		50	50	21.86	21.89	21.86	22.00	2
		100	0	21.85	21.89	21.91	22.00	2
20	64-QAM	1	0	21.89	21.91	21.84	22.00	2
		1	50	21.92	21.91	21.91	22.00	2
		1	99	21.87	21.84	21.93	22.00	2
		50	0	20.93	20.91	20.89	21.00	3
		50	25	20.90	20.88	20.91	21.00	3
		50	50	20.85	20.87	20.84	21.00	3
		100	0	20.89	20.87	20.93	21.00	3
20	256-QAM	1	0	20.85	20.93	20.93	21.00	3
		1	50	20.93	20.88	20.85	21.00	3
		1	99	20.93	20.87	20.89	21.00	3
		50	0	19.86	19.90	19.86	20.00	4
		50	25	19.92	19.89	19.89	20.00	4
		50	50	19.89	19.89	19.89	20.00	4
		100	0	19.89	19.92	19.87	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1717.5	1745	1772.5		
Channel				132047	132322	132597		
15	QPSK	1	0	23.93	23.89	23.91	24.00	0
		1	36	23.87	23.88	23.91	24.00	0
		1	74	23.89	23.92	23.87	24.00	0
		36	0	22.89	22.88	22.94	23.00	1
		36	18	22.89	22.95	22.87	23.00	1
		36	37	22.87	22.96	22.95	23.00	1
		75	0	22.94	22.87	22.89	23.00	1
15	16-QAM	1	0	22.93	22.95	22.95	23.00	1
		1	36	22.92	22.93	22.93	23.00	1
		1	74	22.87	22.87	22.95	23.00	1
		36	0	21.88	21.88	21.95	22.00	2
		36	18	21.95	21.95	21.92	22.00	2
		36	37	21.91	21.90	21.95	22.00	2
		75	0	21.88	21.89	21.92	22.00	2
15	64-QAM	1	0	21.90	21.92	21.95	22.00	2
		1	36	21.91	21.94	21.95	22.00	2
		1	74	21.90	21.89	21.88	22.00	2
		36	0	20.93	20.95	20.88	21.00	3
		36	18	20.89	20.95	20.96	21.00	3
		36	37	20.89	20.90	20.96	21.00	3
		75	0	20.96	20.96	20.94	21.00	3
15	256-QAM	1	0	20.93	20.96	20.92	21.00	3
		1	36	20.92	20.87	20.92	21.00	3
		1	74	20.87	20.87	20.90	21.00	3
		36	0	19.94	19.91	19.88	20.00	4
		36	18	19.96	19.94	19.92	20.00	4
		36	37	19.91	19.92	19.90	20.00	4
		75	0	19.88	19.89	19.91	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1715	1745	1775		
Channel				132022	132322	132622		
10	QPSK	1	0	23.95	23.94	23.91	24.00	0
		1	25	23.89	23.93	23.89	24.00	0
		1	49	23.88	23.89	23.95	24.00	0
		25	0	22.95	22.96	22.95	23.00	1
		25	12	22.94	22.94	22.92	23.00	1
		25	25	22.88	22.95	22.93	23.00	1
		50	0	22.91	22.92	22.88	23.00	1
10	16-QAM	1	0	22.88	22.96	22.88	23.00	1
		1	25	22.91	22.93	22.91	23.00	1
		1	49	22.94	22.90	22.88	23.00	1
		25	0	21.90	21.87	21.95	22.00	2
		25	12	21.92	21.88	21.95	22.00	2
		25	25	21.90	21.89	21.95	22.00	2
		50	0	21.89	21.91	21.88	22.00	2
10	64-QAM	1	0	21.87	21.96	21.88	22.00	2
		1	25	21.89	21.93	21.95	22.00	2
		1	49	21.96	21.94	21.94	22.00	2
		25	0	20.91	20.93	20.94	21.00	3
		25	12	20.90	20.96	20.95	21.00	3
		25	25	20.89	20.92	20.93	21.00	3
		50	0	20.90	20.93	20.96	21.00	3
10	256-QAM	1	0	20.96	20.87	20.96	21.00	3
		1	25	20.93	20.95	20.89	21.00	3
		1	49	20.87	20.91	20.89	21.00	3
		25	0	19.93	19.92	19.87	20.00	4
		25	12	19.94	19.93	19.90	20.00	4
		25	25	19.88	19.90	19.96	20.00	4
		50	0	19.90	19.95	19.89	20.00	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1712.5	1745	1777.5		
Channel				131997	132322	132647		
5	QPSK	1	0	23.92	23.96	23.91	24.00	0
		1	12	23.90	23.88	23.89	24.00	0
		1	24	23.96	23.87	23.96	24.00	0
		12	0	22.96	22.92	22.96	23.00	1
		12	6	22.95	22.91	22.87	23.00	1
		12	13	22.91	22.88	22.94	23.00	1
		25	0	22.90	22.91	22.87	23.00	1
5	16-QAM	1	0	22.90	22.87	22.88	23.00	1
		1	12	22.87	22.93	22.88	23.00	1
		1	24	22.95	22.96	22.95	23.00	1
		12	0	21.93	21.91	21.88	22.00	2
		12	6	21.96	21.94	21.96	22.00	2
		12	13	21.88	21.90	21.95	22.00	2
		25	0	21.96	21.95	21.88	22.00	2
5	64-QAM	1	0	21.90	21.88	21.89	22.00	2
		1	12	21.93	21.88	21.96	22.00	2
		1	24	21.95	21.87	21.94	22.00	2
		12	0	20.89	20.89	20.88	21.00	3
		12	6	20.93	20.94	20.96	21.00	3
		12	13	20.92	20.88	20.95	21.00	3
		25	0	20.89	20.87	20.92	21.00	3
5	256-QAM	1	0	20.93	20.91	20.96	21.00	3
		1	12	20.88	20.91	20.94	21.00	3
		1	24	20.92	20.92	20.94	21.00	3
		12	0	19.93	19.87	19.93	20.00	4
		12	6	19.94	19.95	19.96	20.00	4
		12	13	19.96	19.95	19.96	20.00	4
		25	0	19.88	19.92	19.90	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1711.5	1745	1778.5		
Channel				131987	132322	132657		
3	QPSK	1	0	23.93	23.87	23.96	24.00	0
		1	7	23.89	23.93	23.92	24.00	0
		1	14	23.88	23.96	23.87	24.00	0
		8	0	22.93	22.92	22.94	23.00	1
		8	4	22.89	22.90	22.92	23.00	1
		8	7	22.95	22.92	22.91	23.00	1
		15	0	22.96	22.92	22.87	23.00	1
3	16-QAM	1	0	22.89	22.96	22.95	23.00	1
		1	7	22.87	22.90	22.89	23.00	1
		1	14	22.94	22.92	22.95	23.00	1
		8	0	21.95	21.96	21.89	22.00	2
		8	4	21.95	21.93	21.90	22.00	2
		8	7	21.90	21.87	21.91	22.00	2
		15	0	21.88	21.93	21.92	22.00	2
3	64-QAM	1	0	21.88	21.95	21.87	22.00	2
		1	7	21.94	21.92	21.92	22.00	2
		1	14	21.95	21.92	21.92	22.00	2
		8	0	20.88	20.93	20.88	21.00	3
		8	4	20.88	20.95	20.89	21.00	3
		8	7	20.94	20.88	20.91	21.00	3
		15	0	20.88	20.95	20.96	21.00	3
3	256-QAM	1	0	20.87	20.88	20.90	21.00	3
		1	7	20.92	20.95	20.94	21.00	3
		1	14	20.96	20.93	20.94	21.00	3
		8	0	19.94	19.96	19.89	20.00	4
		8	4	19.93	19.96	19.87	20.00	4
		8	7	19.95	19.89	19.87	20.00	4
		15	0	19.90	19.89	19.87	20.00	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1710.7	1745	1779.3		
Channel				131979	132322	132665		
1.4	QPSK	1	0	23.91	23.95	23.89	24.00	0
		1	2	23.95	23.96	23.91	24.00	0
		1	5	23.89	23.91	23.94	24.00	0
		3	0	23.94	23.91	23.90	24.00	0
		3	2	23.89	23.88	23.94	24.00	0
		3	3	23.87	23.91	23.93	24.00	0
		6	0	22.92	22.94	22.96	23.00	1
1.4	16-QAM	1	0	22.94	22.93	22.96	23.00	1
		1	2	22.87	22.96	22.94	23.00	1
		1	5	22.94	22.91	22.91	23.00	1
		3	0	22.92	22.91	22.88	23.00	1
		3	2	22.91	22.94	22.94	23.00	1
		3	3	22.95	22.87	22.89	23.00	1
		6	0	21.87	21.96	21.94	22.00	2
1.4	64-QAM	1	0	21.96	21.91	21.92	22.00	2
		1	2	21.92	21.87	21.89	22.00	2
		1	5	21.95	21.91	21.94	22.00	2
		3	0	21.91	21.88	21.94	22.00	2
		3	2	21.87	21.96	21.87	22.00	2
		3	3	21.94	21.92	21.88	22.00	2
		6	0	20.95	20.95	20.88	21.00	3
1.4	256-QAM	1	0	20.92	20.91	20.93	21.00	3
		1	2	20.89	20.90	20.87	21.00	3
		1	5	20.96	20.91	20.94	21.00	3
		3	0	20.94	20.89	20.87	21.00	3
		3	2	20.89	20.87	20.94	21.00	3
		3	3	20.87	20.91	20.92	21.00	3
		6	0	19.87	19.87	19.91	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5.3 TDD LTE

MAIN Full

LTE Band 41_PC3										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
Channel				39750	40185	40620	41055	41490		
20	QPSK	1	0	22.62	22.56	22.58	22.63	22.56	24.00	0
		1	50	22.13	22.33	22.31	22.24	22.05	24.00	0
		1	99	22.54	22.61	22.52	22.54	22.54	24.00	0
		50	0	21.55	21.61	21.55	21.59	21.59	23.00	1
		50	25	21.62	21.59	21.59	21.61	21.61	23.00	1
		50	50	21.55	21.55	21.63	21.55	21.59	23.00	1
		100	0	21.56	21.54	21.56	21.62	21.63	23.00	1
20	16-QAM	1	0	21.61	21.54	21.59	21.55	21.61	23.00	1
		1	50	21.62	21.58	21.62	21.56	21.62	23.00	1
		1	99	21.55	21.55	21.63	21.55	21.60	23.00	1
		50	0	20.63	20.55	20.57	20.60	20.55	22.00	2
		50	25	20.61	20.63	20.58	20.56	20.55	22.00	2
		50	50	20.55	20.61	20.63	20.57	20.61	22.00	2
		100	0	20.58	20.54	20.59	20.62	20.61	22.00	2
20	64-QAM	1	0	20.57	20.60	20.54	20.60	20.57	22.00	2
		1	50	20.56	20.57	20.54	20.54	20.56	22.00	2
		1	99	20.57	20.57	20.60	20.54	20.63	22.00	2
		50	0	19.56	19.59	19.57	19.59	19.62	21.00	3
		50	25	19.61	19.58	19.60	19.54	19.63	21.00	3
		50	50	19.61	19.62	19.61	19.56	19.61	21.00	3
		100	0	19.63	19.56	19.56	19.60	19.56	21.00	3
20	256-QAM	1	0	19.62	19.63	19.55	19.60	19.55	21.00	3
		1	50	19.60	19.55	19.59	19.57	19.55	21.00	3
		1	99	19.61	19.59	19.63	19.54	19.54	21.00	3
		50	0	18.60	18.60	18.60	18.54	18.63	20.00	4
		50	25	18.60	18.62	18.54	18.54	18.57	20.00	4
		50	50	18.56	18.62	18.57	18.57	18.56	20.00	4
		100	0	18.62	18.56	18.57	18.61	18.58	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 41_PC3										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
Channel				39725	40173	40620	41068	41515		
15	QPSK	1	0	22.60	22.62	22.55	22.57	22.61	24.00	0
		1	36	22.56	22.56	22.61	22.55	22.55	24.00	0
		1	74	22.61	22.54	22.60	22.62	22.57	24.00	0
		36	0	21.63	21.62	21.57	21.63	21.58	23.00	1
		36	18	21.54	21.57	21.63	21.60	21.55	23.00	1
		36	37	21.61	21.55	21.58	21.57	21.59	23.00	1
		75	0	21.59	21.58	21.62	21.60	21.63	23.00	1
15	16-QAM	1	0	21.55	21.62	21.56	21.56	21.56	23.00	1
		1	36	21.54	21.63	21.60	21.59	21.58	23.00	1
		1	74	21.59	21.63	21.63	21.60	21.54	23.00	1
		36	0	20.63	20.61	20.63	20.63	20.55	22.00	2
		36	18	20.61	20.61	20.55	20.60	20.55	22.00	2
		36	37	20.59	20.62	20.54	20.63	20.61	22.00	2
		75	0	20.59	20.56	20.60	20.63	20.55	22.00	2
15	64-QAM	1	0	20.56	20.54	20.59	20.63	20.59	22.00	2
		1	36	20.55	20.60	20.61	20.55	20.59	22.00	2
		1	74	20.61	20.54	20.56	20.56	20.61	22.00	2
		36	0	19.57	19.60	19.58	19.61	19.55	21.00	3
		36	18	19.59	19.62	19.62	19.55	19.57	21.00	3
		36	37	19.54	19.60	19.56	19.62	19.61	21.00	3
		75	0	19.56	19.63	19.57	19.57	19.61	21.00	3
15	256-QAM	1	0	19.57	19.58	19.61	19.59	19.63	21.00	3
		1	36	19.56	19.56	19.54	19.59	19.58	21.00	3
		1	74	19.54	19.55	19.56	19.63	19.54	21.00	3
		36	0	18.55	18.54	18.61	18.62	18.61	20.00	4
		36	18	18.55	18.58	18.54	18.58	18.62	20.00	4
		36	37	18.63	18.54	18.58	18.55	18.55	20.00	4
		75	0	18.63	18.59	18.57	18.60	18.63	20.00	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 41_PC3										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
Channel				39700	40160	40620	41080	41540		
10	QPSK	1	0	22.59	22.60	22.59	22.56	22.54	24.00	0
		1	25	22.51	22.54	22.55	22.61	22.54	24.00	0
		1	49	22.53	22.54	22.56	22.61	22.56	24.00	0
		25	0	21.60	21.63	21.54	21.61	21.59	23.00	1
		25	12	21.61	21.57	21.63	21.56	21.57	23.00	1
		25	25	21.63	21.60	21.62	21.56	21.62	23.00	1
10	16-QAM	50	0	21.63	21.62	21.58	21.58	21.56	23.00	1
		1	0	21.58	21.62	21.58	21.61	21.57	23.00	1
		1	25	21.55	21.59	21.56	21.55	21.61	23.00	1
		1	49	21.61	21.62	21.58	21.55	21.58	23.00	1
		25	0	20.60	20.61	20.60	20.60	20.60	22.00	2
		25	12	20.60	20.62	20.56	20.57	20.61	22.00	2
10	64-QAM	25	25	20.57	20.59	20.55	20.61	20.59	22.00	2
		50	0	20.62	20.59	20.58	20.57	20.61	22.00	2
		1	0	20.58	20.60	20.54	20.55	20.56	22.00	2
		1	25	20.57	20.58	20.54	20.63	20.59	22.00	2
		1	49	20.54	20.58	20.60	20.62	20.62	22.00	2
		25	0	19.61	19.55	19.56	19.63	19.56	21.00	3
10	256-QAM	25	12	19.56	19.62	19.54	19.54	19.59	21.00	3
		25	25	19.63	19.58	19.58	19.61	19.62	21.00	3
		50	0	19.60	19.57	19.63	19.61	19.63	21.00	3
		1	0	19.62	19.58	19.61	19.62	19.54	21.00	3
		1	25	19.63	19.54	19.62	19.60	19.59	21.00	3
		1	49	19.54	19.60	19.61	19.56	19.62	21.00	3
10		25	0	18.59	18.56	18.60	18.61	18.54	20.00	4
		25	12	18.59	18.61	18.62	18.55	18.58	20.00	4
		25	25	18.62	18.62	18.62	18.58	18.55	20.00	4
		50	0	18.57	18.59	18.72	18.81	18.75	20.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 41_PC3										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5		
Channel				39675	40148	40620	41093	41565		
5	QPSK	1	0	22.51	22.60	22.56	22.57	22.60	24.00	0
		1	12	22.52	22.61	22.60	22.54	22.58	24.00	0
		1	24	22.55	22.59	22.55	22.60	22.59	24.00	0
		12	0	21.61	21.62	21.54	21.62	21.54	23.00	1
		12	6	21.55	21.62	21.55	21.63	21.57	23.00	1
		12	13	21.63	21.63	21.57	21.58	21.63	23.00	1
		25	0	21.61	21.54	21.59	21.58	21.56	23.00	1
5	16-QAM	1	0	21.57	21.61	21.58	21.60	21.63	23.00	1
		1	12	21.57	21.62	21.55	21.59	21.62	23.00	1
		1	24	21.54	21.62	21.57	21.56	21.55	23.00	1
		12	0	20.59	20.54	20.56	20.63	20.60	22.00	2
		12	6	20.63	20.59	20.59	20.54	20.59	22.00	2
		12	13	20.56	20.54	20.63	20.60	20.59	22.00	2
		25	0	20.60	20.63	20.61	20.63	20.57	22.00	2
5	64-QAM	1	0	20.59	20.57	20.58	20.54	20.61	22.00	2
		1	12	20.58	20.58	20.62	20.56	20.58	22.00	2
		1	24	20.63	20.59	20.56	20.57	20.57	22.00	2
		12	0	19.61	19.58	19.62	19.57	19.57	21.00	3
		12	6	19.57	19.55	19.62	19.63	19.59	21.00	3
		12	13	19.55	19.54	19.59	19.55	19.54	21.00	3
		25	0	19.57	19.63	19.56	19.54	19.61	21.00	3
5	256-QAM	1	0	19.63	19.57	19.63	19.54	19.58	21.00	3
		1	12	19.56	19.63	19.63	19.62	19.61	21.00	3
		1	24	19.56	19.57	19.63	19.63	19.58	21.00	3
		12	0	18.59	18.58	18.56	18.58	18.60	20.00	4
		12	6	18.55	18.59	18.59	18.62	18.55	20.00	4
		12	13	18.57	18.61	18.57	18.60	18.54	20.00	4
		25	0	18.62	18.60	18.59	18.60	18.59	20.00	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 48										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3560	3609		3641	3690		
Channel				55340	55830		56150	56640		
20	QPSK	1	0	21.46	21.31		21.28	21.42	22.00	0
		1	50	20.61	20.60		20.63	20.59	22.00	0
		1	99	20.60	20.62		20.57	20.54	22.00	0
		50	0	19.55	19.59		19.55	19.61	21.00	1
		50	25	19.58	19.55		19.60	19.59	21.00	1
		50	50	19.58	19.56		19.55	19.60	21.00	1
		100	0	19.58	19.63		19.61	19.62	21.00	1
20	16-QAM	1	0	19.58	19.61		19.61	19.58	21.00	1
		1	50	19.60	19.54		19.54	19.56	21.00	1
		1	99	19.61	19.56		19.56	19.56	21.00	1
		50	0	18.55	18.57		18.56	18.56	20.00	2
		50	25	18.57	18.54		18.56	18.61	20.00	2
		50	50	18.56	18.57		18.60	18.60	20.00	2
		100	0	18.57	18.56		18.54	18.58	20.00	2
20	64-QAM	1	0	18.59	18.56		18.60	18.60	20.00	2
		1	50	18.54	18.58		18.62	18.59	20.00	2
		1	99	18.54	18.57		18.57	18.60	20.00	2
		50	0	17.59	17.55		17.61	17.63	19.00	3
		50	25	17.62	17.56		17.55	17.61	19.00	3
		50	50	17.61	17.62		17.58	17.55	19.00	3
		100	0	17.60	17.60		17.60	17.59	19.00	3
20	256-QAM	1	0	17.63	17.57		17.61	17.62	19.00	3
		1	50	17.61	17.61		17.57	17.59	19.00	3
		1	99	17.61	17.55		17.57	17.57	19.00	3
		50	0	16.54	16.55		16.56	16.60	18.00	4
		50	25	16.59	16.54		16.56	16.63	18.00	4
		50	50	16.57	16.59		16.62	16.63	18.00	4
		100	0	16.61	16.61		16.60	16.56	18.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 48										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3557.5	3608		3642	3692.5		
Channel				55315	55820		56160	56665		
15	QPSK	1	0	20.63	20.54		20.54	20.60	22.00	0
		1	36	20.60	20.57		20.61	20.58	22.00	0
		1	74	20.61	20.61		20.54	20.61	22.00	0
		36	0	19.55	19.63		19.57	19.58	21.00	1
		36	18	19.62	19.55		19.62	19.54	21.00	1
		36	37	19.63	19.62		19.57	19.60	21.00	1
		75	0	19.58	19.55		19.60	19.61	21.00	1
15	16-QAM	1	0	19.57	19.54		19.61	19.59	21.00	1
		1	36	19.60	19.63		19.54	19.59	21.00	1
		1	74	19.58	19.59		19.63	19.55	21.00	1
		36	0	18.59	18.54		18.59	18.60	20.00	2
		36	18	18.61	18.58		18.59	18.59	20.00	2
		36	37	18.63	18.63		18.54	18.60	20.00	2
		75	0	18.59	18.59		18.62	18.55	20.00	2
15	64-QAM	1	0	18.56	18.58		18.57	18.54	20.00	2
		1	36	18.62	18.63		18.62	18.61	20.00	2
		1	74	18.61	18.60		18.62	18.63	20.00	2
		36	0	17.59	17.63		17.59	17.61	19.00	3
		36	18	17.54	17.57		17.56	17.56	19.00	3
		36	37	17.62	17.57		17.63	17.59	19.00	3
		75	0	17.62	17.62		17.62	17.62	19.00	3
15	256-QAM	1	0	17.61	17.57		17.59	17.57	19.00	3
		1	36	17.58	17.62		17.63	17.62	19.00	3
		1	74	17.54	17.58		17.55	17.63	19.00	3
		36	0	16.63	16.62		16.63	16.56	18.00	4
		36	18	16.56	16.61		16.56	16.63	18.00	4
		36	37	16.54	16.58		16.55	16.55	18.00	4
		75	0	16.59	16.58		16.56	16.63	18.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 48										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3555	3607.5		3642.5	3695		
Channel				55290	55815		56165	56690		
10	QPSK	1	0	20.65	20.63		20.54	20.55	22.00	0
		1	25	20.55	20.56		20.62	20.56	22.00	0
		1	49	20.61	20.54		20.62	20.63	22.00	0
		25	0	19.56	19.56		19.57	19.62	21.00	1
		25	12	19.55	19.56		19.54	19.55	21.00	1
		25	25	19.60	19.63		19.62	19.58	21.00	1
		50	0	19.55	19.54		19.54	19.60	21.00	1
10	16-QAM	1	0	19.58	19.60		19.61	19.54	21.00	1
		1	25	19.60	19.55		19.58	19.56	21.00	1
		1	49	19.57	19.56		19.58	19.61	21.00	1
		25	0	18.54	18.62		18.55	18.60	20.00	2
		25	12	18.57	18.55		18.58	18.58	20.00	2
		25	25	18.62	18.63		18.56	18.59	20.00	2
		50	0	18.54	18.56		18.61	18.61	20.00	2
10	64-QAM	1	0	18.62	18.57		18.55	18.54	20.00	2
		1	25	18.63	18.56		18.57	18.63	20.00	2
		1	49	18.59	18.57		18.58	18.55	20.00	2
		25	0	17.56	17.59		17.57	17.58	19.00	3
		25	12	17.60	17.59		17.60	17.56	19.00	3
		25	25	17.63	17.60		17.54	17.55	19.00	3
		50	0	17.56	17.59		17.61	17.61	19.00	3
10	256-QAM	1	0	17.60	17.62		17.62	17.60	19.00	3
		1	25	17.55	17.61		17.56	17.61	19.00	3
		1	49	17.56	17.57		17.56	17.63	19.00	3
		25	0	16.54	16.61		16.60	16.54	18.00	4
		25	12	16.59	16.57		16.61	16.60	18.00	4
		25	25	16.56	16.60		16.55	16.59	18.00	4
		50	0	16.57	16.54		16.61	16.57	18.00	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 48										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3552.5	3607		3643	3697.5		
Channel				55265	55810		56170	56715		
5	QPSK	1	0	20.55	20.63		20.61	20.63	22.00	0
		1	12	20.61	20.60		20.60	20.54	22.00	0
		1	24	20.63	20.61		20.58	20.58	22.00	0
		12	0	19.62	19.58		19.60	19.59	21.00	1
		12	6	19.61	19.59		19.59	19.55	21.00	1
		12	13	19.56	19.63		19.62	19.54	21.00	1
5	16-QAM	25	0	19.62	19.61		19.55	19.56	21.00	1
		1	0	19.63	19.55		19.63	19.58	21.00	1
		1	12	19.55	19.63		19.55	19.55	21.00	1
		1	24	19.61	19.63		19.61	19.57	21.00	1
		12	0	18.58	18.60		18.55	18.56	20.00	2
		12	6	18.57	18.62		18.61	18.62	20.00	2
5	64-QAM	12	13	18.55	18.56		18.57	18.55	20.00	2
		25	0	18.57	18.58		18.60	18.60	20.00	2
		1	0	18.63	18.60		18.54	18.58	20.00	2
		1	12	18.61	18.59		18.54	18.56	20.00	2
		1	24	18.54	18.55		18.63	18.61	20.00	2
		12	0	17.54	17.57		17.60	17.57	19.00	3
5	256-QAM	12	6	17.57	17.57		17.59	17.63	19.00	3
		12	13	17.57	17.54		17.57	17.63	19.00	3
		25	0	17.56	17.62		17.59	17.60	19.00	3
		1	0	17.58	17.63		17.55	17.62	19.00	3
		1	12	17.57	17.62		17.60	17.59	19.00	3
		1	24	17.61	17.57		17.60	17.61	19.00	3
5		12	0	16.54	16.60		16.60	16.61	18.00	4
		12	6	16.60	16.60		16.59	16.60	18.00	4
		12	13	16.59	16.57		16.63	16.54	18.00	4
		25	0	16.57	16.62		16.61	16.61	18.00	4

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

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

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

**MAIN
Reduced**

LTE Band 41_PC3										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
Channel				39750	40185	40620	41055	41490		
20	QPSK	1	0	19.95	19.85	19.93	19.97	19.88	20.00	0
		1	50	19.76	19.73	19.67	19.86	19.63	20.00	0
		1	99	19.76	19.71	19.72	19.80	19.78	20.00	0
		50	0	18.78	18.67	18.85	18.73	18.70	19.00	1
		50	25	18.76	18.68	18.71	18.78	18.70	19.00	1
		50	50	18.76	18.63	18.75	18.89	18.77	19.00	1
		100	0	18.77	18.80	18.80	18.71	18.78	19.00	1
20	16-QAM	1	0	18.81	18.66	18.83	18.75	18.66	19.00	1
		1	50	18.80	18.73	18.71	18.85	18.78	19.00	1
		1	99	18.78	18.70	18.81	18.79	18.80	19.00	1
		50	0	17.86	17.64	17.76	17.91	17.75	18.00	2
		50	25	17.77	17.62	17.76	17.73	17.86	18.00	2
		50	50	17.81	17.69	17.78	17.67	17.73	18.00	2
		100	0	17.79	17.76	17.83	17.88	17.76	18.00	2
20	64-QAM	1	0	17.80	17.67	17.72	17.70	17.83	18.00	2
		1	50	17.79	17.70	17.74	17.72	17.77	18.00	2
		1	99	17.91	17.70	17.85	17.74	17.70	18.00	2
		50	0	16.80	16.74	16.73	16.71	16.73	17.00	3
		50	25	16.69	16.78	16.71	16.94	16.78	17.00	3
		50	50	16.78	16.67	16.77	16.86	16.67	17.00	3
		100	0	16.71	16.63	16.78	16.89	16.69	17.00	3
20	256-QAM	1	0	16.76	16.66	16.81	16.93	16.65	17.00	3
		1	50	16.78	16.68	16.73	16.83	16.78	17.00	3
		1	99	16.75	16.66	16.75	16.86	16.72	17.00	3
		50	0	15.86	15.69	15.66	15.83	15.73	16.00	4
		50	25	15.74	15.63	15.75	15.79	15.78	16.00	4
		50	50	15.76	15.58	15.79	15.82	15.69	16.00	4
		100	0	15.82	15.64	15.71	15.83	15.65	16.00	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 41_PC3										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
Channel				39725	40173	40620	41068	41515		
15	QPSK	1	0	19.91	19.77	19.80	19.71	19.68	20.00	0
		1	36	19.67	19.75	19.72	19.76	19.67	20.00	0
		1	74	19.82	19.62	19.71	19.76	19.77	20.00	0
		36	0	18.88	18.80	18.70	18.79	18.73	19.00	1
		36	18	18.80	18.74	18.78	18.69	18.66	19.00	1
		36	37	18.77	18.80	18.83	18.72	18.79	19.00	1
		75	0	18.75	18.73	18.77	18.75	18.77	19.00	1
15	16-QAM	1	0	18.92	18.71	18.63	18.78	18.75	19.00	1
		1	36	18.87	18.57	18.77	18.75	18.75	19.00	1
		1	74	18.76	18.70	18.79	18.87	18.64	19.00	1
		36	0	17.78	17.58	17.79	17.79	17.77	18.00	2
		36	18	17.82	17.70	17.77	17.87	17.65	18.00	2
		36	37	17.82	17.70	17.78	17.72	17.70	18.00	2
		75	0	17.70	17.70	17.71	17.85	17.79	18.00	2
15	64-QAM	1	0	17.74	17.58	17.75	17.80	17.76	18.00	2
		1	36	17.83	17.68	17.84	17.84	17.66	18.00	2
		1	74	17.91	17.69	17.85	17.77	17.62	18.00	2
		36	0	16.67	16.73	16.74	16.80	16.74	17.00	3
		36	18	16.82	16.66	16.78	16.84	16.73	17.00	3
		36	37	16.76	16.65	16.83	16.88	16.84	17.00	3
		75	0	16.73	16.71	16.78	16.83	16.75	17.00	3
15	256-QAM	1	0	16.85	16.64	16.74	16.75	16.70	17.00	3
		1	36	16.89	16.81	16.79	16.79	16.78	17.00	3
		1	74	16.87	16.66	16.75	16.78	16.86	17.00	3
		36	0	15.79	15.73	15.80	15.89	15.75	16.00	4
		36	18	15.79	15.74	15.68	15.87	15.76	16.00	4
		36	37	15.89	15.69	15.85	15.69	15.71	16.00	4
		75	0	15.86	15.64	15.78	15.78	15.77	16.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 41_PC3										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
Channel				39700	40160	40620	41080	41540		
10	QPSK	1	0	19.87	19.75	19.70	19.82	19.74	20.00	0
		1	25	19.75	19.68	19.73	19.89	19.67	20.00	0
		1	49	19.73	19.80	19.79	19.71	19.61	20.00	0
		25	0	18.68	18.69	18.74	18.77	18.75	19.00	1
		25	12	18.86	18.65	18.76	18.80	18.75	19.00	1
		25	25	18.89	18.73	18.78	18.82	18.80	19.00	1
		50	0	18.85	18.78	18.83	18.78	18.80	19.00	1
10	16-QAM	1	0	18.72	18.71	18.78	18.82	18.74	19.00	1
		1	25	18.81	18.69	18.68	18.80	18.73	19.00	1
		1	49	18.76	18.76	18.67	18.93	18.78	19.00	1
		25	0	17.75	17.59	17.80	17.68	17.76	18.00	2
		25	12	17.84	17.63	17.82	17.81	17.77	18.00	2
		25	25	17.84	17.77	17.66	17.94	17.70	18.00	2
		50	0	17.88	17.63	17.71	17.78	17.77	18.00	2
10	64-QAM	1	0	17.90	17.69	17.75	17.70	17.65	18.00	2
		1	25	17.79	17.68	17.66	17.72	17.65	18.00	2
		1	49	17.77	17.68	17.71	17.84	17.78	18.00	2
		25	0	16.82	16.62	16.84	16.77	16.64	17.00	3
		25	12	16.81	16.70	16.69	16.78	16.75	17.00	3
		25	25	16.81	16.66	16.76	16.76	16.65	17.00	3
		50	0	16.80	16.78	16.74	16.90	16.72	17.00	3
10	256-QAM	1	0	16.85	16.59	16.75	16.82	16.76	17.00	3
		1	25	16.72	16.70	16.72	16.76	16.83	17.00	3
		1	49	16.78	16.60	16.77	16.94	16.75	17.00	3
		25	0	15.84	15.70	15.77	15.73	15.76	16.00	4
		25	12	15.77	15.76	15.88	15.80	15.78	16.00	4
		25	25	15.89	15.75	15.79	15.67	15.71	16.00	4
		50	0	15.83	15.75	15.76	15.88	15.80	16.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 41_PC3										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5		
Channel				39675	40148	40620	41093	41565		
5	QPSK	1	0	19.76	19.72	19.68	19.89	19.71	20.00	0
		1	12	19.73	19.74	19.76	19.89	19.71	20.00	0
		1	24	19.77	19.74	19.66	19.86	19.67	20.00	0
		12	0	18.82	18.75	18.72	18.73	18.73	19.00	1
		12	6	18.89	18.73	18.81	18.83	18.67	19.00	1
		12	13	18.65	18.64	18.74	18.80	18.61	19.00	1
5	16-QAM	25	0	18.73	18.61	18.68	18.92	18.61	19.00	1
		1	0	18.74	18.66	18.76	18.88	18.67	19.00	1
		1	12	18.83	18.74	18.74	18.90	18.75	19.00	1
		1	24	18.66	18.75	18.75	18.82	18.67	19.00	1
		12	0	17.76	17.69	17.73	17.68	17.78	18.00	2
		12	6	17.72	17.73	17.74	17.80	17.60	18.00	2
5	64-QAM	12	13	17.86	17.66	17.84	17.80	17.79	18.00	2
		25	0	17.70	17.64	17.71	17.90	17.76	18.00	2
		1	0	17.71	17.72	17.66	17.84	17.68	18.00	2
		1	12	17.77	17.62	17.72	17.85	17.72	18.00	2
		1	24	17.71	17.72	17.68	17.80	17.79	18.00	2
		12	0	16.82	16.65	16.71	16.76	16.84	17.00	3
5	256-QAM	12	6	16.84	16.70	16.76	16.91	16.72	17.00	3
		12	13	16.79	16.69	16.78	16.92	16.63	17.00	3
		25	0	16.82	16.81	16.79	16.71	16.60	17.00	3
		1	0	16.83	16.62	16.83	16.73	16.79	17.00	3
		1	12	16.74	16.59	16.84	16.83	16.60	17.00	3
		1	24	16.82	16.62	16.77	16.79	16.70	17.00	3
5		12	0	15.83	15.72	15.79	15.79	15.69	16.00	4
		12	6	15.85	15.73	15.76	15.82	15.69	16.00	4
		12	13	15.72	15.73	15.89	15.81	15.73	16.00	4
		25	0	15.83	15.71	15.74	15.82	15.72	16.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 48										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3560	3609		3641	3690		
Channel				55340	55830		56150	56640		
20	QPSK	1	0	18.46	18.31		18.28	18.42	18.50	0
		1	50	18.30	18.20		18.19	18.22	18.50	0
		1	99	18.29	18.25		18.17	18.36	18.50	0
		50	0	17.40	17.22		17.13	17.21	17.50	1
		50	25	17.28	17.19		17.12	17.14	17.50	1
		50	50	17.31	17.05		17.05	17.26	17.50	1
		100	0	17.23	17.16		17.07	17.37	17.50	1
20	16-QAM	1	0	17.26	17.26		17.03	17.33	17.50	1
		1	50	17.31	17.13		17.17	17.28	17.50	1
		1	99	17.29	17.15		17.09	17.28	17.50	1
		50	0	16.30	16.27		16.19	16.33	16.50	2
		50	25	16.26	16.18		16.13	16.38	16.50	2
		50	50	16.30	16.15		16.03	16.30	16.50	2
		100	0	16.28	16.17		16.10	16.28	16.50	2
20	64-QAM	1	0	16.35	16.06		16.07	16.24	16.50	2
		1	50	16.31	16.15		16.22	16.35	16.50	2
		1	99	16.31	16.07		16.04	16.28	16.50	2
		50	0	15.29	15.11		15.16	15.29	15.50	3
		50	25	15.43	15.03		15.20	15.25	15.50	3
		50	50	15.28	15.11		15.16	15.27	15.50	3
		100	0	15.43	15.11		15.13	15.36	15.50	3
20	256-QAM	1	0	15.30	15.14		15.10	15.24	15.50	3
		1	50	15.23	15.13		15.06	15.34	15.50	3
		1	99	15.24	15.26		15.18	15.20	15.50	3
		50	0	14.31	14.14		14.05	14.35	14.50	4
		50	25	14.40	14.27		14.03	14.25	14.50	4
		50	50	14.35	14.17		14.19	14.23	14.50	4
		100	0	14.33	14.10		14.11	14.26	14.50	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 48										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3557.5	3608		3642	3692.5		
Channel				55315	55820		56160	56665		
15	QPSK	1	0	18.36	18.08		18.13	18.35	18.50	0
		1	36	18.24	18.12		18.13	18.27	18.50	0
		1	74	18.24	18.20		18.13	18.24	18.50	0
		36	0	17.37	17.06		17.06	17.18	17.50	1
		36	18	17.40	17.13		17.18	17.30	17.50	1
		36	37	17.28	17.07		17.09	17.23	17.50	1
		75	0	17.32	17.13		17.04	17.16	17.50	1
15	16-QAM	1	0	17.32	17.06		17.12	17.26	17.50	1
		1	36	17.31	17.07		17.19	17.35	17.50	1
		1	74	17.23	17.03		17.25	17.26	17.50	1
		36	0	16.31	16.25		16.07	16.21	16.50	2
		36	18	16.30	16.14		16.02	16.18	16.50	2
		36	37	16.41	16.21		16.19	16.26	16.50	2
		75	0	16.33	16.14		16.13	16.20	16.50	2
15	64-QAM	1	0	16.34	16.15		16.09	16.30	16.50	2
		1	36	16.29	16.13		16.05	16.17	16.50	2
		1	74	16.26	16.16		16.18	16.27	16.50	2
		36	0	15.32	15.14		15.01	15.23	15.50	3
		36	18	15.34	15.23		15.18	15.31	15.50	3
		36	37	15.26	15.24		15.11	15.21	15.50	3
		75	0	15.25	15.15		15.17	15.26	15.50	3
15	256-QAM	1	0	15.34	15.18		15.14	15.30	15.50	3
		1	36	15.31	15.15		15.04	15.30	15.50	3
		1	74	15.38	15.15		15.19	15.24	15.50	3
		36	0	14.25	14.04		14.06	14.39	14.50	4
		36	18	14.28	14.22		14.15	14.24	14.50	4
		36	37	14.32	14.14		14.05	14.22	14.50	4
		75	0	14.17	14.09		14.25	14.19	14.50	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 48										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3555	3607.5		3642.5	3695		
Channel				55290	55815		56165	56690		
10	QPSK	1	0	18.17	18.08		18.23	18.14	18.50	0
		1	25	18.32	18.23		18.12	18.24	18.50	0
		1	49	18.37	18.17		18.05	18.20	18.50	0
		25	0	17.29	17.15		17.06	17.12	17.50	1
		25	12	17.27	17.19		17.23	17.26	17.50	1
		25	25	17.23	17.13		17.10	17.23	17.50	1
10	16-QAM	50	0	17.31	17.19		17.03	17.26	17.50	1
		1	0	17.28	17.03		17.19	17.29	17.50	1
		1	25	17.34	17.21		17.06	17.22	17.50	1
		1	49	17.19	17.07		17.16	17.24	17.50	1
		25	0	16.27	16.18		16.20	16.29	16.50	2
		25	12	16.35	16.18		16.14	16.36	16.50	2
10	64-QAM	25	25	16.40	16.26		16.12	16.29	16.50	2
		50	0	16.28	16.14		16.02	16.26	16.50	2
		1	0	16.21	16.09		16.04	16.31	16.50	2
		1	25	16.17	16.12		16.11	16.24	16.50	2
		1	49	16.37	16.09		16.15	16.27	16.50	2
		25	0	15.32	15.15		15.08	15.24	15.50	3
10	256-QAM	25	12	15.31	15.12		15.09	15.20	15.50	3
		25	25	15.32	15.25		15.19	15.15	15.50	3
		50	0	15.31	15.07		15.24	15.13	15.50	3
		1	0	15.38	15.27		15.15	15.26	15.50	3
		1	25	15.22	15.10		15.12	15.35	15.50	3
		1	49	15.28	15.23		15.07	15.22	15.50	3
10		25	0	14.21	14.20		14.12	14.21	14.50	4
		25	12	14.27	14.12		14.09	14.19	14.50	4
		25	25	14.31	14.11		14.14	14.21	14.50	4
		50	0	14.28	14.12		14.07	14.23	14.50	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 48										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3552.5	3607		3643	3697.5		
Channel				55265	55810		56170	56715		
5	QPSK	1	0	18.29	18.13		18.12	18.35	18.50	0
		1	12	18.32	18.15		18.13	18.24	18.50	0
		1	24	18.33	18.10		18.13	18.28	18.50	0
		12	0	17.29	17.10		17.02	17.27	17.50	1
		12	6	17.20	17.07		17.14	17.29	17.50	1
		12	13	17.30	17.03		17.06	17.24	17.50	1
5	16-QAM	25	0	17.37	17.17		17.21	17.25	17.50	1
		1	0	17.39	17.17		17.11	17.35	17.50	1
		1	12	17.37	17.29		17.10	17.19	17.50	1
		1	24	17.27	17.18		17.15	17.20	17.50	1
		12	0	16.29	16.20		16.12	16.30	16.50	2
		12	6	16.27	16.14		16.12	16.23	16.50	2
5	64-QAM	12	13	16.27	16.14		16.03	16.29	16.50	2
		25	0	16.29	16.11		16.10	16.37	16.50	2
		1	0	16.28	16.21		16.11	16.31	16.50	2
		1	12	16.31	16.05		16.22	16.31	16.50	2
		1	24	16.28	16.11		16.13	16.18	16.50	2
		12	0	15.17	15.10		15.19	15.21	15.50	3
5	256-QAM	12	6	15.29	15.09		15.10	15.39	15.50	3
		12	13	15.19	15.15		15.16	15.28	15.50	3
		25	0	15.28	15.10		15.10	15.23	15.50	3
		1	0	15.28	15.21		15.17	15.29	15.50	3
		1	12	15.43	15.17		15.21	15.36	15.50	3
		1	24	15.29	15.12		15.07	15.22	15.50	3
5		12	0	14.35	14.22		14.16	14.38	14.50	4
		12	6	14.33	14.09		14.12	14.27	14.50	4
		12	13	14.30	14.20		14.24	14.23	14.50	4
		25	0	14.29	14.15		13.99	14.23	14.50	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

MIMO 2 Full

LTE Band 38								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2580	2595	2610		
Channel				37850	38000	38150		
20	QPSK	1	0	22.31	22.37	22.38	22.50	0
		1	50	22.18	22.21	22.26	22.50	0
		1	99	22.14	22.12	22.26	22.50	0
		50	0	21.06	21.35	21.13	21.50	1
		50	25	21.23	21.28	21.23	21.50	1
		50	50	21.20	21.19	21.18	21.50	1
		100	0	21.08	21.20	21.21	21.50	1
20	16-QAM	1	0	21.12	21.27	21.28	21.50	1
		1	50	21.18	21.27	21.25	21.50	1
		1	99	21.03	21.34	21.25	21.50	1
		50	0	20.11	20.21	20.23	20.50	2
		50	25	20.14	20.17	20.22	20.50	2
		50	50	20.05	20.10	20.23	20.50	2
		100	0	20.04	20.19	20.27	20.50	2
20	64-QAM	1	0	20.23	20.21	20.29	20.50	2
		1	50	20.15	20.24	20.14	20.50	2
		1	99	20.27	20.25	20.18	20.50	2
		50	0	19.04	19.23	19.19	19.50	3
		50	25	19.16	19.15	19.21	19.50	3
		50	50	19.28	19.17	19.22	19.50	3
		100	0	19.12	19.17	19.25	19.50	3
20	256-QAM	1	0	19.27	19.12	19.17	19.50	3
		1	50	19.14	19.23	19.22	19.50	3
		1	99	19.09	19.27	19.18	19.50	3
		50	0	18.14	18.20	18.20	18.50	4
		50	25	18.10	18.17	18.24	18.50	4
		50	50	18.19	18.18	18.15	18.50	4
		100	0	18.17	18.20	18.23	18.50	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 38								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2577.5	2595	2612.5		
Channel				37825	38000	38175		
15	QPSK	1	0	22.14	22.30	22.28	22.50	0
		1	36	22.22	22.16	22.29	22.50	0
		1	74	22.23	22.24	22.19	22.50	0
		36	0	21.13	21.17	21.26	21.50	1
		36	18	21.20	21.17	21.28	21.50	1
		36	37	21.16	21.19	21.16	21.50	1
		75	0	21.16	21.30	21.10	21.50	1
15	16-QAM	1	0	21.12	21.16	21.31	21.50	1
		1	36	21.08	21.26	21.30	21.50	1
		1	74	21.28	21.17	21.21	21.50	1
		36	0	20.20	20.14	20.28	20.50	2
		36	18	20.08	20.34	20.23	20.50	2
		36	37	20.12	20.24	20.23	20.50	2
		75	0	20.07	20.23	20.28	20.50	2
15	64-QAM	1	0	20.09	20.19	20.34	20.50	2
		1	36	20.24	20.10	20.35	20.50	2
		1	74	20.16	20.19	20.28	20.50	2
		36	0	19.11	19.24	19.16	19.50	3
		36	18	19.17	19.16	19.30	19.50	3
		36	37	19.14	19.11	19.30	19.50	3
		75	0	19.16	19.25	19.31	19.50	3
15	256-QAM	1	0	19.15	19.12	19.23	19.50	3
		1	36	19.18	19.26	19.31	19.50	3
		1	74	19.13	19.19	19.20	19.50	3
		36	0	18.12	18.12	18.35	18.50	4
		36	18	18.17	18.19	18.15	18.50	4
		36	37	18.23	18.19	18.10	18.50	4
		75	0	18.11	18.31	18.15	18.50	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 38								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2575	2595	2615		
Channel				37800	38000	38200		
10	QPSK	1	0	22.18	22.17	22.25	22.50	0
		1	25	22.05	22.16	22.13	22.50	0
		1	49	22.13	22.15	22.15	22.50	0
		25	0	21.15	21.24	21.15	21.50	1
		25	12	21.12	21.12	21.22	21.50	1
		25	25	21.23	21.16	21.20	21.50	1
		50	0	21.06	21.33	21.13	21.50	1
10	16-QAM	1	0	21.12	21.22	21.25	21.50	1
		1	25	21.12	21.22	21.29	21.50	1
		1	49	21.13	21.19	21.33	21.50	1
		25	0	20.13	20.21	20.16	20.50	2
		25	12	20.10	20.13	20.33	20.50	2
		25	25	20.17	20.20	20.10	20.50	2
		50	0	20.04	20.27	20.22	20.50	2
10	64-QAM	1	0	20.17	20.27	20.09	20.50	2
		1	25	20.22	20.28	20.31	20.50	2
		1	49	20.12	20.28	20.33	20.50	2
		25	0	19.26	19.23	19.25	19.50	3
		25	12	19.22	19.28	19.11	19.50	3
		25	25	19.17	19.13	19.12	19.50	3
		50	0	19.25	19.30	19.26	19.50	3
10	256-QAM	1	0	19.15	19.26	19.25	19.50	3
		1	25	19.20	19.22	19.17	19.50	3
		1	49	19.10	19.24	19.21	19.50	3
		25	0	18.18	18.11	18.24	18.50	4
		25	12	18.19	18.14	18.11	18.50	4
		25	25	18.05	18.20	18.24	18.50	4
		50	0	18.18	18.27	18.11	18.50	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 38								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2572.5	2595	2617.5		
Channel				37775	38000	38225		
5	QPSK	1	0	22.13	22.16	22.21	22.50	0
		1	12	22.23	22.18	22.20	22.50	0
		1	24	22.10	22.30	22.13	22.50	0
		12	0	21.04	21.23	21.24	21.50	1
		12	6	21.01	21.32	21.11	21.50	1
		12	13	21.05	21.23	21.18	21.50	1
		25	0	21.08	21.22	21.17	21.50	1
5	16-QAM	1	0	21.26	21.21	21.25	21.50	1
		1	12	21.17	21.25	21.26	21.50	1
		1	24	21.13	21.12	21.24	21.50	1
		12	0	20.29	20.19	20.25	20.50	2
		12	6	20.13	20.11	20.29	20.50	2
		12	13	20.05	20.16	20.18	20.50	2
		25	0	20.19	20.08	20.31	20.50	2
5	64-QAM	1	0	20.18	20.28	20.30	20.50	2
		1	12	20.02	20.22	20.23	20.50	2
		1	24	20.17	20.20	20.22	20.50	2
		12	0	19.17	19.18	19.26	19.50	3
		12	6	19.16	19.17	19.14	19.50	3
		12	13	19.12	19.10	19.22	19.50	3
		25	0	19.13	19.27	19.25	19.50	3
5	256-QAM	1	0	19.16	19.19	19.17	19.50	3
		1	12	19.23	19.22	19.32	19.50	3
		1	24	19.26	19.31	19.22	19.50	3
		12	0	18.15	18.11	18.36	18.50	4
		12	6	18.15	18.19	18.24	18.50	4
		12	13	18.22	18.13	18.27	18.50	4
		25	0	18.03	18.16	18.27	18.50	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 41_PC3										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
Channel				39750	40185	40620	41055	41490		
20	QPSK	1	0	22.43	22.37	22.21	22.27	22.16	22.50	0
		1	50	22.29	22.11	22.03	22.10	21.96	22.50	0
		1	99	22.35	22.11	22.13	22.05	22.10	22.50	0
		50	0	21.17	21.22	21.10	21.11	20.99	21.50	1
		50	25	21.39	21.22	21.14	21.09	21.00	21.50	1
		50	50	21.26	21.18	21.09	21.08	20.96	21.50	1
		100	0	21.32	21.11	20.98	21.02	20.98	21.50	1
20	16-QAM	1	0	21.23	21.14	21.06	21.08	20.90	21.50	1
		1	50	21.20	21.19	21.13	21.11	21.04	21.50	1
		1	99	21.36	21.18	21.14	21.09	20.96	21.50	1
		50	0	20.25	20.30	20.07	20.15	19.92	20.50	2
		50	25	20.28	20.22	20.08	20.08	20.00	20.50	2
		50	50	20.28	20.27	20.14	20.15	20.02	20.50	2
		100	0	20.15	20.21	20.06	19.99	20.07	20.50	2
20	64-QAM	1	0	20.22	20.28	19.93	20.13	20.02	20.50	2
		1	50	20.25	20.29	19.95	20.20	20.03	20.50	2
		1	99	20.38	20.23	20.17	19.98	20.00	20.50	2
		50	0	19.25	19.30	18.99	19.12	19.05	19.50	3
		50	25	19.30	19.30	19.12	19.21	19.03	19.50	3
		50	50	19.22	19.13	19.08	19.14	19.04	19.50	3
		100	0	19.27	19.25	19.18	19.08	18.96	19.50	3
20	256-QAM	1	0	19.16	19.18	18.92	19.13	18.96	19.50	3
		1	50	19.38	19.16	19.05	19.05	19.00	19.50	3
		1	99	19.32	19.22	19.04	19.08	18.99	19.50	3
		50	0	18.19	18.19	17.94	18.13	17.96	18.50	4
		50	25	18.23	18.22	18.02	18.17	18.04	18.50	4
		50	50	18.24	18.24	18.04	18.01	18.02	18.50	4
		100	0	18.22	18.34	18.06	18.11	18.01	18.50	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 41_PC3										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
Channel				39725	40173	40620	41068	41515		
15	QPSK	1	0	22.38	22.22	22.04	22.20	21.89	22.50	0
		1	36	22.27	22.21	22.13	22.13	22.05	22.50	0
		1	74	22.28	22.19	21.92	22.03	22.03	22.50	0
		36	0	21.35	21.19	21.03	21.05	20.99	21.50	1
		36	18	21.21	21.20	20.95	21.15	21.04	21.50	1
		36	37	21.26	21.27	20.97	21.06	21.06	21.50	1
		75	0	21.18	21.16	21.00	20.98	21.04	21.50	1
15	16-QAM	1	0	21.23	21.24	21.07	21.06	21.03	21.50	1
		1	36	21.15	21.17	21.15	21.09	20.99	21.50	1
		1	74	21.34	21.27	20.97	21.10	21.02	21.50	1
		36	0	20.35	20.18	19.98	20.19	19.99	20.50	2
		36	18	20.23	20.33	20.10	20.10	19.94	20.50	2
		36	37	20.36	20.21	20.07	20.12	19.96	20.50	2
		75	0	20.21	20.27	19.98	20.10	20.01	20.50	2
15	64-QAM	1	0	20.25	20.17	19.96	20.12	20.05	20.50	2
		1	36	20.35	20.16	20.01	20.13	20.01	20.50	2
		1	74	20.34	20.33	20.14	20.19	20.00	20.50	2
		36	0	19.36	19.18	19.04	19.01	19.03	19.50	3
		36	18	19.31	19.29	18.92	19.24	19.00	19.50	3
		36	37	19.19	19.29	19.04	19.09	19.04	19.50	3
		75	0	19.28	19.24	19.02	19.13	19.04	19.50	3
15	256-QAM	1	0	19.28	19.14	19.02	19.09	19.00	19.50	3
		1	36	19.19	19.13	19.15	19.20	19.09	19.50	3
		1	74	19.29	19.21	19.15	19.21	19.07	19.50	3
		36	0	18.16	18.18	18.08	18.10	18.00	18.50	4
		36	18	18.20	18.24	17.95	18.04	18.06	18.50	4
		36	37	18.14	18.21	18.07	18.08	17.93	18.50	4
		75	0	18.29	18.17	18.05	18.12	17.95	18.50	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 41_PC3										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
Channel				39700	40160	40620	41080	41540		
10	QPSK	1	0	22.26	22.28	22.12	22.06	22.05	22.50	0
		1	25	22.32	22.21	22.17	22.17	21.98	22.50	0
		1	49	22.25	22.17	22.09	22.08	22.03	22.50	0
		25	0	21.29	21.32	20.96	21.07	21.11	21.50	1
		25	12	21.28	21.25	21.00	21.23	20.92	21.50	1
		25	25	21.15	21.28	21.10	21.15	21.06	21.50	1
10	16-QAM	50	0	21.37	21.30	21.01	21.12	20.98	21.50	1
		1	0	21.26	21.34	21.05	21.02	20.98	21.50	1
		1	25	21.19	21.26	21.04	21.10	20.99	21.50	1
		1	49	21.16	21.21	21.09	21.10	21.08	21.50	1
		25	0	20.21	20.11	20.04	20.10	20.08	20.50	2
		25	12	20.19	20.20	20.03	20.04	19.93	20.50	2
10	64-QAM	25	25	20.39	20.20	20.03	20.13	20.07	20.50	2
		50	0	20.36	20.21	20.03	20.02	19.92	20.50	2
		1	0	20.27	20.32	20.16	20.05	20.03	20.50	2
		1	25	20.24	20.26	19.99	20.08	20.01	20.50	2
		1	49	20.31	20.16	20.09	20.07	19.99	20.50	2
		25	0	19.21	19.22	19.11	19.08	19.11	19.50	3
10	256-QAM	25	12	19.26	19.15	19.10	19.06	19.08	19.50	3
		25	25	19.34	19.33	18.98	19.14	18.95	19.50	3
		50	0	19.23	19.19	19.05	19.06	19.09	19.50	3
		1	0	19.18	19.14	18.92	19.05	18.90	19.50	3
		1	25	19.16	19.13	18.98	18.98	19.04	19.50	3
		1	49	19.23	19.13	19.04	19.05	19.03	19.50	3
10		25	0	18.23	18.07	18.07	18.16	17.86	18.50	4
		25	12	18.32	18.23	18.10	18.16	17.98	18.50	4
		25	25	18.19	18.20	18.04	18.07	18.07	18.50	4
		50	0	18.28	18.20	17.99	18.21	17.96	18.50	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 41_PC3										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5		
Channel				39675	40148	40620	41093	41565		
5	QPSK	1	0	22.23	22.19	22.01	22.10	22.00	22.50	0
		1	12	22.24	22.23	22.09	22.09	22.01	22.50	0
		1	24	22.31	22.21	22.05	22.01	22.02	22.50	0
		12	0	21.19	21.15	21.12	21.08	21.02	21.50	1
		12	6	21.16	21.17	21.03	21.10	21.04	21.50	1
		12	13	21.40	21.15	21.01	20.99	21.01	21.50	1
		25	0	21.27	21.24	21.15	21.21	20.94	21.50	1
5	16-QAM	1	0	21.23	21.15	20.97	21.08	21.06	21.50	1
		1	12	21.37	21.22	21.06	21.13	21.01	21.50	1
		1	24	21.26	21.24	21.07	21.02	21.09	21.50	1
		12	0	20.36	20.20	20.09	20.08	19.92	20.50	2
		12	6	20.28	20.14	20.16	20.04	20.00	20.50	2
		12	13	20.20	20.23	20.06	20.12	20.06	20.50	2
		25	0	20.33	20.20	20.08	20.11	20.07	20.50	2
5	64-QAM	1	0	20.21	20.29	20.04	19.99	19.97	20.50	2
		1	12	20.32	20.31	20.08	20.08	20.07	20.50	2
		1	24	20.36	20.15	20.01	20.19	20.01	20.50	2
		12	0	19.27	19.21	19.03	19.12	19.00	19.50	3
		12	6	19.39	19.28	19.18	19.15	19.08	19.50	3
		12	13	19.34	19.27	19.08	19.18	18.97	19.50	3
		25	0	19.25	19.21	19.12	19.11	19.06	19.50	3
5	256-QAM	1	0	19.41	19.29	19.09	19.07	18.93	19.50	3
		1	12	19.28	19.22	19.12	19.04	18.92	19.50	3
		1	24	19.34	19.22	18.95	19.12	19.06	19.50	3
		12	0	18.23	18.31	17.97	18.09	17.92	18.50	4
		12	6	18.32	18.29	18.16	18.01	17.97	18.50	4
		12	13	18.25	18.26	18.12	17.97	17.88	18.50	4
		25	0	18.24	18.28	18.09	18.10	17.98	18.50	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 42										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3460	3509		3541	3590		
Channel				42190	42680		43000	43490		
20	QPSK	1	0	21.78	21.86		21.83	21.77	22.00	0
		1	50	21.66	21.69		21.59	21.54	22.00	0
		1	99	21.63	21.76		21.78	21.70	22.00	0
		50	0	20.53	20.76		20.74	20.59	21.00	1
		50	25	20.64	20.71		20.72	20.55	21.00	1
		50	50	20.62	20.61		20.67	20.70	21.00	1
20	16-QAM	100	0	20.65	20.78		20.60	20.54	21.00	1
		1	0	20.62	20.76		20.60	20.58	21.00	1
		1	50	20.61	20.82		20.70	20.49	21.00	1
		1	99	20.61	20.75		20.78	20.58	21.00	1
		50	0	19.76	19.68		19.66	19.49	20.00	2
		50	25	19.61	19.74		19.69	19.71	20.00	2
20	64-QAM	50	50	19.52	19.75		19.73	19.64	20.00	2
		100	0	19.72	19.74		19.66	19.75	20.00	2
		1	0	19.63	19.70		19.72	19.57	20.00	2
		1	50	19.63	19.66		19.63	19.61	20.00	2
		1	99	19.52	19.74		19.73	19.58	20.00	2
		50	0	18.58	18.60		18.64	18.72	19.00	3
20	256-QAM	50	25	18.67	18.73		18.67	18.63	19.00	3
		50	50	18.64	18.82		18.69	18.62	19.00	3
		100	0	18.66	18.80		18.61	18.68	19.00	3
		1	0	18.49	18.69		18.66	18.61	19.00	3
		1	50	18.73	18.67		18.75	18.62	19.00	3
		1	99	18.57	18.69		18.67	18.64	19.00	3
20		50	0	17.62	17.73		17.67	17.62	18.00	4
		50	25	17.76	17.77		17.61	17.56	18.00	4
		50	50	17.63	17.58		17.62	17.58	18.00	4
		100	0	17.66	17.70		17.80	17.52	18.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 42										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3457.5	3508		3542	3592.5		
Channel				42165	42670		43010	43515		
15	QPSK	1	0	21.58	21.81		21.67	21.59	22.00	0
		1	36	21.59	21.83		21.65	21.69	22.00	0
		1	74	21.62	21.74		21.69	21.61	22.00	0
		36	0	20.67	20.56		20.63	20.57	21.00	1
		36	18	20.63	20.63		20.61	20.67	21.00	1
		36	37	20.56	20.69		20.66	20.58	21.00	1
15	16-QAM	75	0	20.50	20.57		20.65	20.47	21.00	1
		1	0	20.58	20.84		20.72	20.65	21.00	1
		1	36	20.63	20.68		20.80	20.58	21.00	1
		1	74	20.59	20.69		20.67	20.66	21.00	1
		36	0	19.68	19.66		19.69	19.63	20.00	2
		36	18	19.69	19.74		19.61	19.55	20.00	2
15	64-QAM	36	37	19.68	19.72		19.73	19.59	20.00	2
		75	0	19.52	19.73		19.56	19.52	20.00	2
		1	0	19.59	19.70		19.59	19.62	20.00	2
		1	36	19.56	19.72		19.68	19.69	20.00	2
		1	74	19.66	19.73		19.58	19.66	20.00	2
		36	0	18.57	18.77		18.72	18.74	19.00	3
15	256-QAM	36	18	18.65	18.67		18.71	18.56	19.00	3
		36	37	18.66	18.66		18.72	18.53	19.00	3
		75	0	18.54	18.72		18.70	18.50	19.00	3
		1	0	18.59	18.64		18.76	18.51	19.00	3
		1	36	18.72	18.80		18.73	18.68	19.00	3
		1	74	18.63	18.69		18.73	18.57	19.00	3
15		36	0	17.61	17.69		17.76	17.64	18.00	4
		36	18	17.59	17.62		17.66	17.65	18.00	4
		36	37	17.63	17.67		17.75	17.69	18.00	4
		75	0	17.63	17.66		17.59	17.73	18.00	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 42										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3455	3507.5		3542.5	3595		
Channel				42140	42665		43015	43540		
10	QPSK	1	0	21.69	21.61		21.66	21.55	22.00	0
		1	25	21.54	21.74		21.67	21.63	22.00	0
		1	49	21.60	21.75		21.63	21.67	22.00	0
		25	0	20.72	20.68		20.69	20.60	21.00	1
		25	12	20.59	20.74		20.75	20.61	21.00	1
		25	25	20.52	20.67		20.60	20.72	21.00	1
10	16-QAM	50	0	20.54	20.67		20.66	20.68	21.00	1
		1	0	20.63	20.59		20.73	20.60	21.00	1
		1	25	20.70	20.61		20.60	20.72	21.00	1
		1	49	20.69	20.65		20.61	20.56	21.00	1
		25	0	19.63	19.66		19.70	19.54	20.00	2
		25	12	19.70	19.68		19.62	19.68	20.00	2
10	64-QAM	25	25	19.53	19.62		19.65	19.60	20.00	2
		50	0	19.67	19.78		19.63	19.59	20.00	2
		1	0	19.56	19.70		19.62	19.60	20.00	2
		1	25	19.67	19.64		19.74	19.57	20.00	2
		1	49	19.62	19.72		19.55	19.61	20.00	2
		25	0	18.50	18.68		18.68	18.68	19.00	3
10	256-QAM	25	12	18.71	18.66		18.74	18.56	19.00	3
		25	25	18.58	18.73		18.72	18.64	19.00	3
		50	0	18.67	18.72		18.79	18.54	19.00	3
		1	0	18.63	18.56		18.67	18.63	19.00	3
		1	25	18.56	18.66		18.77	18.52	19.00	3
		1	49	18.72	18.74		18.66	18.63	19.00	3
10		25	0	17.71	17.74		17.67	17.72	18.00	4
		25	12	17.53	17.74		17.69	17.61	18.00	4
		25	25	17.67	17.69		17.68	17.65	18.00	4
		50	0	17.69	17.72		17.63	17.63	18.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 42										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3452.5	3507		3543	3597.5		
Channel				42115	42660		43020	43565		
5	QPSK	1	0	21.56	21.58		21.67	21.58	22.00	0
		1	12	21.56	21.63		21.67	21.62	22.00	0
		1	24	21.60	21.63		21.59	21.73	22.00	0
		12	0	20.63	20.78		20.56	20.64	21.00	1
		12	6	20.75	20.77		20.69	20.67	21.00	1
		12	13	20.51	20.69		20.63	20.66	21.00	1
5	16-QAM	25	0	20.60	20.72		20.60	20.61	21.00	1
		1	0	20.67	20.64		20.59	20.61	21.00	1
		1	12	20.59	20.60		20.62	20.69	21.00	1
		1	24	20.72	20.74		20.55	20.59	21.00	1
		12	0	19.66	19.73		19.77	19.71	20.00	2
		12	6	19.70	19.71		19.60	19.65	20.00	2
5	64-QAM	12	13	19.62	19.61		19.71	19.61	20.00	2
		25	0	19.72	19.71		19.64	19.59	20.00	2
		1	0	19.72	19.77		19.75	19.59	20.00	2
		1	12	19.72	19.64		19.77	19.51	20.00	2
		1	24	19.65	19.70		19.74	19.69	20.00	2
		12	0	18.64	18.69		18.56	18.58	19.00	3
5	256-QAM	12	6	18.65	18.83		18.76	18.67	19.00	3
		12	13	18.63	18.65		18.55	18.62	19.00	3
		25	0	18.58	18.60		18.77	18.62	19.00	3
		1	0	18.62	18.67		18.74	18.67	19.00	3
		1	12	18.60	18.80		18.67	18.61	19.00	3
		1	24	18.58	18.62		18.58	18.65	19.00	3
5		12	0	17.57	17.67		17.62	17.71	18.00	4
		12	6	17.57	17.71		17.62	17.60	18.00	4
		12	13	17.67	17.79		17.66	17.59	18.00	4
		25	0	17.48	17.79		17.69	17.66	18.00	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 43								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3660	3662.5	3665		
Channel				44190	44215	44240		
20	QPSK	1	0	21.93	21.90	21.92	22.00	0
		1	50	21.78	21.78	21.68	22.00	0
		1	99	21.73	21.80	21.77	22.00	0
		50	0	20.73	20.72	20.67	21.00	1
		50	25	20.73	20.64	20.82	21.00	1
		50	50	20.85	20.72	20.64	21.00	1
		100	0	20.84	20.74	20.79	21.00	1
20	16-QAM	1	0	20.79	20.67	20.76	21.00	1
		1	50	20.66	20.68	20.74	21.00	1
		1	99	20.76	20.65	20.78	21.00	1
		50	0	19.70	19.75	19.76	20.00	2
		50	25	19.74	19.74	19.72	20.00	2
		50	50	19.76	19.60	19.75	20.00	2
		100	0	19.82	19.73	19.81	20.00	2
20	64-QAM	1	0	19.71	19.66	19.85	20.00	2
		1	50	19.68	19.82	19.72	20.00	2
		1	99	19.76	19.87	19.69	20.00	2
		50	0	18.76	18.81	18.80	19.00	3
		50	25	18.70	18.80	18.78	19.00	3
		50	50	18.72	18.76	18.78	19.00	3
		100	0	18.71	18.77	18.70	19.00	3
20	256-QAM	1	0	18.83	18.72	18.78	19.00	3
		1	50	18.63	18.76	18.87	19.00	3
		1	99	18.78	18.77	18.77	19.00	3
		50	0	17.81	17.70	17.77	18.00	4
		50	25	17.80	17.69	17.79	18.00	4
		50	50	17.74	17.71	17.72	18.00	4
		100	0	17.83	17.66	17.75	18.00	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 43								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3657.5	3662.5	3667.5		
Channel				44165	44215	44265		
15	QPSK	1	0	21.71	21.87	21.75	22.00	0
		1	36	21.70	21.77	21.83	22.00	0
		1	74	21.74	21.60	21.72	22.00	0
		36	0	20.77	20.82	20.66	21.00	1
		36	18	20.76	20.74	20.85	21.00	1
		36	37	20.83	20.80	20.76	21.00	1
		75	0	20.70	20.66	20.74	21.00	1
15	16-QAM	1	0	20.75	20.70	20.82	21.00	1
		1	36	20.77	20.70	20.70	21.00	1
		1	74	20.83	20.73	20.77	21.00	1
		36	0	19.69	19.77	19.74	20.00	2
		36	18	19.72	19.73	19.88	20.00	2
		36	37	19.82	19.67	19.72	20.00	2
		75	0	19.75	19.69	19.65	20.00	2
15	64-QAM	1	0	19.71	19.79	19.69	20.00	2
		1	36	19.76	19.81	19.83	20.00	2
		1	74	19.66	19.75	19.82	20.00	2
		36	0	18.78	18.74	18.75	19.00	3
		36	18	18.78	18.84	18.74	19.00	3
		36	37	18.89	18.74	18.86	19.00	3
		75	0	18.74	18.79	18.75	19.00	3
15	256-QAM	1	0	18.72	18.69	18.66	19.00	3
		1	36	18.77	18.72	18.75	19.00	3
		1	74	18.76	18.64	18.78	19.00	3
		36	0	17.82	17.70	17.68	18.00	4
		36	18	17.69	17.72	17.90	18.00	4
		36	37	17.88	17.63	17.80	18.00	4
		75	0	17.74	17.75	17.82	18.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 43								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3655	3662.5	3670		
Channel				44140	44215	44290		
10	QPSK	1	0	21.78	21.77	21.71	22.00	0
		1	25	21.80	21.72	21.77	22.00	0
		1	49	21.65	21.80	21.73	22.00	0
		25	0	20.85	20.72	20.72	21.00	1
		25	12	20.76	20.79	20.88	21.00	1
		25	25	20.64	20.77	20.63	21.00	1
		50	0	20.77	20.72	20.83	21.00	1
10	16-QAM	1	0	20.86	20.68	20.84	21.00	1
		1	25	20.81	20.70	20.68	21.00	1
		1	49	20.70	20.77	20.77	21.00	1
		25	0	19.89	19.65	19.77	20.00	2
		25	12	19.78	19.71	19.74	20.00	2
		25	25	19.80	19.65	19.78	20.00	2
		50	0	19.78	19.70	19.68	20.00	2
10	64-QAM	1	0	19.79	19.72	19.71	20.00	2
		1	25	19.83	19.64	19.77	20.00	2
		1	49	19.70	19.78	19.74	20.00	2
		25	0	18.75	18.68	18.79	19.00	3
		25	12	18.79	18.74	18.78	19.00	3
		25	25	18.74	18.84	18.75	19.00	3
		50	0	18.85	18.74	18.62	19.00	3
10	256-QAM	1	0	18.78	18.72	18.73	19.00	3
		1	25	18.80	18.72	18.71	19.00	3
		1	49	18.82	18.70	18.77	19.00	3
		25	0	17.90	17.71	17.75	18.00	4
		25	12	17.75	17.71	17.83	18.00	4
		25	25	17.73	17.77	17.84	18.00	4
		50	0	17.87	17.83	17.76	18.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 43								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3652.5	3662.5	3672.5		
Channel				44115	44215	44315		
5	QPSK	1	0	21.82	21.76	21.86	22.00	0
		1	12	21.81	21.77	21.83	22.00	0
		1	24	21.75	21.87	21.75	22.00	0
		12	0	20.77	20.74	20.88	21.00	1
		12	6	20.76	20.78	20.75	21.00	1
		12	13	20.67	20.71	20.80	21.00	1
		25	0	20.80	20.70	20.74	21.00	1
5	16-QAM	1	0	20.73	20.77	20.79	21.00	1
		1	12	20.73	20.67	20.85	21.00	1
		1	24	20.73	20.74	20.77	21.00	1
		12	0	19.83	19.77	19.79	20.00	2
		12	6	19.64	19.85	19.69	20.00	2
		12	13	19.74	19.78	19.75	20.00	2
		25	0	19.73	19.69	19.69	20.00	2
5	64-QAM	1	0	19.84	19.74	19.83	20.00	2
		1	12	19.88	19.76	19.81	20.00	2
		1	24	19.66	19.75	19.74	20.00	2
		12	0	18.89	18.64	18.82	19.00	3
		12	6	18.69	18.71	18.72	19.00	3
		12	13	18.89	18.74	18.83	19.00	3
		25	0	18.79	18.70	18.82	19.00	3
5	256-QAM	1	0	18.70	18.79	18.77	19.00	3
		1	12	18.87	18.80	18.83	19.00	3
		1	24	18.71	18.68	18.73	19.00	3
		12	0	17.76	17.79	17.88	18.00	4
		12	6	17.73	17.74	17.70	18.00	4
		12	13	17.84	17.73	17.84	18.00	4
		25	0	17.77	17.77	17.74	18.00	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 48										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3560	3609		3641	3690		
Channel				55340	55830		56150	56640		
20	QPSK	1	0	18.41	18.45		18.39	18.47	18.50	0
		1	50	18.28	18.33		18.32	18.24	18.50	0
		1	99	18.24	18.25		18.31	18.28	18.50	0
		50	0	17.24	17.26		17.11	17.35	17.50	1
		50	25	17.39	17.27		17.16	17.29	17.50	1
		50	50	17.21	17.42		17.10	17.25	17.50	1
		100	0	17.24	17.28		17.18	17.29	17.50	1
20	16-QAM	1	0	17.13	17.25		17.21	17.25	17.50	1
		1	50	17.20	17.20		17.23	17.25	17.50	1
		1	99	17.24	17.24		17.29	17.24	17.50	1
		50	0	16.21	16.23		16.34	16.29	16.50	2
		50	25	16.15	16.35		16.25	16.26	16.50	2
		50	50	16.23	16.28		16.24	16.26	16.50	2
		100	0	16.30	16.42		16.26	16.22	16.50	2
20	64-QAM	1	0	16.17	16.36		16.23	16.32	16.50	2
		1	50	16.29	16.40		16.12	16.22	16.50	2
		1	99	16.31	16.35		16.22	16.37	16.50	2
		50	0	15.25	15.35		15.19	15.32	15.50	3
		50	25	15.15	15.31		15.30	15.28	15.50	3
		50	50	15.29	15.35		15.19	15.23	15.50	3
		100	0	15.21	15.29		15.22	15.29	15.50	3
20	256-QAM	1	0	15.24	15.34		15.20	15.32	15.50	3
		1	50	15.19	15.24		15.26	15.35	15.50	3
		1	99	15.28	15.30		15.21	15.18	15.50	3
		50	0	14.33	14.24		14.25	14.33	14.50	4
		50	25	14.26	14.24		14.16	14.34	14.50	4
		50	50	14.24	14.18		14.28	14.41	14.50	4
		100	0	14.15	14.33		14.22	14.27	14.50	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 48										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3557.5	3608		3642	3692.5		
Channel				55315	55820		56160	56665		
15	QPSK	1	0	18.28	18.26		18.24	18.40	18.50	0
		1	36	18.25	18.36		18.23	18.36	18.50	0
		1	74	18.24	18.40		18.25	18.37	18.50	0
		36	0	17.17	17.33		17.11	17.27	17.50	1
		36	18	17.27	17.29		17.32	17.23	17.50	1
		36	37	17.29	17.21		17.10	17.29	17.50	1
		75	0	17.31	17.24		17.21	17.45	17.50	1
15	16-QAM	1	0	17.26	17.23		17.33	17.21	17.50	1
		1	36	17.12	17.23		17.31	17.42	17.50	1
		1	74	17.16	17.30		17.28	17.36	17.50	1
		36	0	16.30	16.26		16.17	16.34	16.50	2
		36	18	16.17	16.31		16.24	16.25	16.50	2
		36	37	16.39	16.37		16.19	16.31	16.50	2
		75	0	16.35	16.37		16.25	16.30	16.50	2
15	64-QAM	1	0	16.37	16.37		16.26	16.38	16.50	2
		1	36	16.18	16.37		16.27	16.37	16.50	2
		1	74	16.34	16.26		16.33	16.34	16.50	2
		36	0	15.33	15.20		15.25	15.30	15.50	3
		36	18	15.25	15.31		15.15	15.29	15.50	3
		36	37	15.15	15.26		15.22	15.34	15.50	3
		75	0	15.19	15.27		15.33	15.31	15.50	3
15	256-QAM	1	0	15.19	15.25		15.18	15.41	15.50	3
		1	36	15.22	15.26		15.21	15.28	15.50	3
		1	74	15.27	15.28		15.33	15.34	15.50	3
		36	0	14.30	14.30		14.16	14.32	14.50	4
		36	18	14.27	14.28		14.15	14.30	14.50	4
		36	37	14.37	14.19		14.28	14.23	14.50	4
		75	0	14.22	14.37		14.17	14.30	14.50	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

LTE Band 48										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3555	3607.5		3642.5	3695		
Channel				55290	55815		56165	56690		
10	QPSK	1	0	18.21	18.21		18.32	18.36	18.50	0
		1	25	18.16	18.29		18.18	18.27	18.50	0
		1	49	18.19	18.24		18.22	18.28	18.50	0
		25	0	17.28	17.29		17.22	17.43	17.50	1
		25	12	17.37	17.30		17.35	17.29	17.50	1
		25	25	17.12	17.18		17.21	17.33	17.50	1
		50	0	17.19	17.22		17.21	17.31	17.50	1
10	16-QAM	1	0	17.20	17.28		17.23	17.36	17.50	1
		1	25	17.21	17.19		17.25	17.37	17.50	1
		1	49	17.35	17.32		17.27	17.35	17.50	1
		25	0	16.22	16.27		16.32	16.25	16.50	2
		25	12	16.22	16.30		16.21	16.38	16.50	2
		25	25	16.33	16.20		16.24	16.28	16.50	2
		50	0	16.18	16.39		16.33	16.34	16.50	2
10	64-QAM	1	0	16.13	16.29		16.15	16.24	16.50	2
		1	25	16.25	16.20		16.30	16.31	16.50	2
		1	49	16.32	16.39		16.30	16.30	16.50	2
		25	0	15.26	15.37		15.25	15.29	15.50	3
		25	12	15.27	15.20		15.23	15.34	15.50	3
		25	25	15.11	15.25		15.11	15.38	15.50	3
		50	0	15.21	15.29		15.19	15.28	15.50	3
10	256-QAM	1	0	15.26	15.23		15.27	15.27	15.50	3
		1	25	15.20	15.24		15.19	15.38	15.50	3
		1	49	15.25	15.35		15.25	15.38	15.50	3
		25	0	14.22	14.20		14.17	14.31	14.50	4
		25	12	14.31	14.36		14.25	14.26	14.50	4
		25	25	14.32	14.24		14.10	14.36	14.50	4
		50	0	14.27	14.32		14.21	14.28	14.50	4

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 48										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3552.5	3607		3643	3697.5		
Channel				55265	55810		56170	56715		
5	QPSK	1	0	18.25	18.37		18.25	18.35	18.50	0
		1	12	18.16	18.23		18.20	18.29	18.50	0
		1	24	18.23	18.28		18.15	18.31	18.50	0
		12	0	17.20	17.27		17.17	17.23	17.50	1
		12	6	17.26	17.28		17.32	17.28	17.50	1
		12	13	17.22	17.32		17.30	17.28	17.50	1
5	16-QAM	25	0	17.25	17.27		17.29	17.31	17.50	1
		1	0	17.17	17.22		17.23	17.44	17.50	1
		1	12	17.21	17.22		17.31	17.25	17.50	1
		1	24	17.29	17.28		17.16	17.34	17.50	1
		12	0	16.27	16.30		16.23	16.37	16.50	2
		12	6	16.12	16.42		16.23	16.26	16.50	2
5	64-QAM	12	13	16.26	16.31		16.22	16.30	16.50	2
		25	0	16.39	16.26		16.21	16.38	16.50	2
		1	0	16.31	16.27		16.19	16.38	16.50	2
		1	12	16.22	16.19		16.27	16.31	16.50	2
		1	24	16.27	16.32		16.26	16.35	16.50	2
		12	0	15.17	15.31		15.33	15.24	15.50	3
5	256-QAM	12	6	15.22	15.27		15.26	15.36	15.50	3
		12	13	15.23	15.37		15.21	15.40	15.50	3
		25	0	15.21	15.27		15.31	15.34	15.50	3
		1	0	15.26	15.33		15.27	15.32	15.50	3
		1	12	15.24	15.33		15.21	15.29	15.50	3
		1	24	15.25	15.40		15.20	15.33	15.50	3
5		12	0	14.30	14.22		14.37	14.36	14.50	4
		12	6	14.31	14.26		14.20	14.36	14.50	4
		12	13	14.16	14.34		14.20	14.24	14.50	4
		25	0	14.25	14.26		14.23	14.34	14.50	4

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5.4 LTE DL CA

LTE Downlink 2CA conducted power table

Two Component Carrier Maximum Conducted Power														
PCC								SCC				Power		Configurations
PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	PCC (UL) RB	PCC (UL) RB Offset	PCC (DL) Channel	PCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	LTE Tx.Power with DL CA active (dBm)	LTE Tx.Power with DL CA inactive (dBm)	
2	10	18650	1855	1	0	650	1935	17	10	5790	740	23.44	23.53	CA 2A-17A
4	10	20350	1750	1	0	2350	2150	17	10	5790	740	23.05	23.10	CA 4A-17A
4	20	20050	1720	1	50	2050	2120	48	20	55830	3609	23.31	23.41	CA 4A-48A
5	10	20600	844	1	0	2600	889	7	20	3100	2655	23.72	23.82	CA 5A-7A
7	20	21350	2560	1	99	3350	2680	5	10	2525	881.5	23.6	23.69	CA 7A-5A
7	20	21350	2560	1	99	3350	2680	7	5	2775	2622.5	23.55	23.62	CA 7A-7A
13	10	23230	782	1	25	5230	751	48	20	55830	3609	23.87	23.93	CA 13A-48A
13	10	23230	782	1	25	5230	751	66	20	66886	2155	23.83	23.90	CA 13A-66A
14	10	23330	793	1	25	5330	763	30	10	9820	2355	23.81	23.91	CA 14A-30A
14	10	23330	793	1	25	5330	763	66	20	66886	2155	23.85	23.94	CA 14A-66A
17	10	23780	709	1	25	5780	739	2	10	900	1960	23.83	23.87	CA 17A-2A
17	10	23780	709	1	25	5780	739	4	10	2175	2132.5	23.83	23.84	CA 17A-4A
25	20	26140	1860	1	50	8140	1940	25	5	8665	1992.5	23.04	23.04	CA 25A-25A
25	20	26140	1860	1	50	8140	1940	26	15	8865	876.5	22.99	23.05	CA 25A-26A
25	20	26140	1860	1	50	8140	1940	41	20	40620	2593	22.91	22.97	CA 25A-41A
26	15	26765	821.5	1	0	8765	866.5	25	20	8340	1960	23.85	23.88	CA 26A-25A
26	15	26765	821.5	1	0	8765	866.5	41	20	40620	2593	23.88	23.90	CA 26A-41A
30	10	27710	2310	1	0	9820	2355	14	10	5330	763	22.83	22.89	CA 30A-14A
30	10	27710	2310	1	0	9820	2355	66	20	66886	2155	22.83	22.93	CA 30A-66A
41	20	41055	2636.5	1	0	41055	2636.5	25	20	8340	1960	22.61	22.61	CA 41A-25A
41	20	41055	2636.5	1	0	41055	2636.5	26	15	8965	876.5	22.55	22.57	CA 41A-26A
41	20	41055	2636.5	1	0	41055	2636.5	41	5	39675	2498.5	22.61	22.62	CA 41A-41A
48	20	55830	3609	1	0	55830	3609	4	20	2175	2132.5	18.35	18.36	CA 48A-4A
48	20	55830	3609	1	0	55830	3609	13	10	5230	751	18.33	18.40	CA 48A-13A
48	20	55830	3609	1	0	55830	3609	48	5	55265	3552.5	18.37	18.45	CA 48A-48A
48	20	55830	3609	1	0	55830	3609	66	20	66886	2155	18.37	18.42	CA 48A-66A
66	20	132572	1770	1	0	67236	2190	12	10	5095	737.5	23.88	23.91	CA 66A-12A
66	20	132572	1770	1	0	67236	2190	13	10	5230	751	23.92	23.99	CA 66A-13A
66	20	132572	1770	1	0	67236	2190	14	10	5330	763	23.93	23.97	CA 66A-14A
66	20	132572	1770	1	0	67236	2190	30	10	9820	2355	23.94	23.94	CA 66A-30A
66	20	132572	1770	1	0	67236	2190	48	20	55830	3609	23.88	23.92	CA 66A-48A
66	20	132572	1770	1	0	67236	2190	66	5	66461	2112.5	23.81	23.91	CA 66A-66A
66	20	132572	1770	1	0	67236	2190	71	20	68761	634.5	23.92	23.92	CA 66A-71A
71	20	133372	688	1	0	68761	634.5	66	20	66886	2155	23.88	23.88	CA 71A-66A
7	20	21350	2560	1	99	3350	2680	7	20	3152	2660.2	23.57	23.66	CA 7C
38	20	38150	2610	1	50	38150	2610	38	20	37952	2590.2	22.28	22.33	CA 38C

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 Downlink 3CA conducted power table

Three Component Carrier Maximum Conducted Power																			
PCC									SCC 1				SCC 2				Power		Configurations
PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC (UL) RB	PCC (UL) RB Offset	PCC (DL) Channel	PCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	LTE Tx-Power with DL CA active (dBm)	LTE Tx-Power with DL CA inactive (dBm)	
2	20	18900	1880	QPSK	1	50	900	1960	5	10	2525	881.5	2	20	900	1960	23.35	23.35	CA 2A-5A-2A
2	20	18900	1880	QPSK	1	50	900	1960	12	10	5095	737.5	2	20	900	1960	23.51	23.54	CA 2A-12A-2A
2	20	18900	1880	QPSK	1	50	900	1960	13	10	5230	751	2	20	900	1960	23.38	23.44	CA 2A-13A-2A
2	20	18900	1880	QPSK	1	50	900	1960	14	10	5330	763	2	20	900	1960	23.49	23.52	CA 2A-14A-2A
2	20	18900	1880	QPSK	1	50	900	1960	5	10	2525	881.5	4	20	2175	2132.5	23.49	23.52	CA 2A-5A-4A
2	20	18900	1880	QPSK	1	50	900	1960	13	10	5230	751	4	20	2175	2132.5	23.31	23.39	CA 2A-13A-4A
2	20	18900	1880	QPSK	1	50	900	1960	48	20	55830	3609	5	10	2525	881.5	23.22	23.31	CA 2A-48A-5A
2	20	18900	1880	QPSK	1	50	900	1960	2	5	1175	1987.5	4	20	2175	2132.5	23.51	23.53	CA 2A-2A-4A
2	20	18900	1880	QPSK	1	50	900	1960	2	5	1175	1987.5	5	10	2525	881.5	23.53	23.53	CA 2A-2A-5A
2	20	18900	1880	QPSK	1	50	900	1960	2	20	1098	1979.8	66	20	66886	2155	23.45	23.51	CA 2C-66A
2	20	18900	1880	QPSK	1	50	900	1960	2	5	1175	1987.5	12	10	5095	737.5	23.22	23.31	CA 2A-2A-12A
2	20	18900	1880	QPSK	1	50	900	1960	2	5	1175	1987.5	13	10	5230	751	23.33	23.36	CA 2A-2A-13A
2	20	18900	1880	QPSK	1	50	900	1960	2	5	1175	1987.5	14	10	5330	763	23.33	23.40	CA 2A-2A-14A
2	20	18900	1880	QPSK	1	50	900	1960	2	5	1175	1987.5	30	10	9820	2355	23.44	23.48	CA 2A-2A-30A
2	20	18900	1880	QPSK	1	50	900	1960	2	5	1175	1987.5	66	20	66886	2155	23.30	23.39	CA 2A-2A-66A
2	20	18900	1880	QPSK	1	50	900	1960	4	20	2175	2132.5	71	20	68761	634.5	23.49	23.49	CA 2A-2A-71A
2	20	18900	1880	QPSK	1	50	900	1960	4	20	2175	2132.5	4	5	1975	2112.5	23.45	23.45	CA 2A-4A-4A
2	20	18900	1880	QPSK	1	50	900	1960	4	20	2175	2132.5	5	10	2525	881.5	23.50	23.50	CA 2A-4A-5A
2	20	18900	1880	QPSK	1	50	900	1960	4	20	2175	2132.5	7	20	3100	2655	23.44	23.49	CA 2A-4A-7A
2	20	18900	1880	QPSK	1	50	900	1960	4	20	2175	2132.5	12	10	5095	737.5	23.44	23.45	CA 2A-4A-12A
2	20	18900	1880	QPSK	1	50	900	1960	4	20	2175	2132.5	13	10	5230	751	23.34	23.37	CA 2A-4A-13A
2	20	18900	1880	QPSK	1	50	900	1960	4	20	2175	2132.5	30	10	9820	2355	23.39	23.43	CA 2A-4A-30A
2	20	18900	1880	QPSK	1	50	900	1960	4	20	2175	2132.5	71	20	68761	634.5	23.46	23.56	CA 2A-4A-71A
2	20	18900	1880	QPSK	1	50	900	1960	5	10	2525	881.5	5	5	2425	871.5	23.22	23.32	CA 2A-5A-5A
2	20	18900	1880	QPSK	1	50	900	1960	5	10	2525	881.5	30	10	9820	2355	23.51	23.55	CA 2A-5A-30A
2	20	18900	1880	QPSK	1	50	900	1960	5	10	2525	881.5	48	20	55830	3609	23.46	23.53	CA 2A-5A-48A
2	20	18900	1880	QPSK	1	50	900	1960	5	10	2525	881.5	66	20	66886	2155	23.30	23.38	CA 2A-5A-66A
2	20	18900	1880	QPSK	1	50	900	1960	12	10	5095	737.5	30	10	9820	2355	23.48	23.49	CA 2A-12A-30A
2	20	18900	1880	QPSK	1	50	900	1960	12	10	5095	737.5	66	20	66886	2155	23.39	23.47	CA 2A-12A-66A
4	20	20050	1720	QPSK	1	50	2050	2120	2	20	900	1960	2	5	1175	1987.5	23.21	23.25	CA 4A-2A-2A
4	20	20050	1720	QPSK	1	50	2050	2120	2	20	900	1960	4	20	2050	2120	23.34	23.40	CA 4A-2A-4A
4	20	20050	1720	QPSK	1	50	2050	2120	2	20	900	1960	5	10	2525	881.5	23.15	23.24	CA 4A-2A-5A
4	20	20050	1720	QPSK	1	50	2050	2120	5	10	2525	881.5	2	20	900	1960	23.16	23.21	CA 4A-5A-2A
4	20	20050	1720	QPSK	1	50	2050	2120	2	20	900	1960	7	20	3100	2655	23.32	23.34	CA 4A-2A-7A
4	20	20050	1720	QPSK	1	50	2050	2120	2	20	900	1960	12	10	5095	737.5	23.27	23.32	CA 4A-2A-12A
4	20	20050	1720	QPSK	1	50	2050	2120	12	10	5095	737.5	2	20	900	1960	23.33	23.43	CA 4A-12A-2A
4	20	20050	1720	QPSK	1	50	2050	2120	2	20	900	1960	13	10	5230	751	23.22	23.27	CA 4A-2A-13A
4	20	20050	1720	QPSK	1	50	2050	2120	13	10	5230	751	2	20	900	1960	23.21	23.24	CA 4A-13A-2A
4	20	20050	1720	QPSK	1	50	2050	2120	2	20	900	1960	30	10	9820	2355	23.33	23.35	CA 4A-2A-30A
4	20	20050	1720	QPSK	1	50	2050	2120	2	20	900	1960	71	20	68761	634.5	23.38	23.40	CA 4A-7A-71A
4	20	20050	1720	QPSK	1	50	2050	2120	48	20	55830	3609	48	20	56028	3628.8	23.20	23.24	CA 4A-48C
5	10	20600	844	QPSK	1	0	2600	889	2	20	900	1960	2	5	1175	1987.5	23.64	23.67	CA 5A-2A-2A
5	10	20600	844	QPSK	1	0	2600	889	4	20	2175	2132.5	2	20	900	1960	23.8	23.87	CA 5A-4A-2A
5	10	20600	844	QPSK	1	0	2600	889	2	20	900	1960	5	10	2450	874	23.85	23.89	CA 5A-2A-5A
5	10	20600	844	QPSK	1	0	2600	889	2	20	900	1960	30	10	9820	2355	23.82	23.89	CA 5A-2A-30A
5	10	20600	844	QPSK	1	0	2600	889	2	20	900	1960	48	20	55830	3609	23.64	23.74	CA 5A-2A-48A
5	10	20600	844	QPSK	1	0	2600	889	48	20	55830	3609	2	20	900	1960	23.75	23.79	CA 5A-48A-2A
5	10	20600	844	QPSK	1	0	2600	889	2	20	900	1960	66	20	66886	2155	23.55	23.65	CA 5A-2A-66A
5	10	20600	844	QPSK	1	0	2600	889	66	20	66886	2155	2	20	900	1960	23.78	23.78	CA 5A-66A-2A
7	20	21350	2560	QPSK	1	99	3350	2680	4	20	2175	2132.5	2	20	900	1960	23.44	23.45	CA 7A-4A-2A
12	10	23060	704	QPSK	1	0	5060	734	2	20	900	1960	2	5	1175	1987.5	23.6	23.66	CA 12A-2A-2A
12	10	23060	704	QPSK	1	0	5060	734	4	20	2175	2132.5	2	20	900	1960	23.76	23.80	CA 12A-4A-2A
12	10	23060	704	QPSK	1	0	5060	734	2	20	900	1960	30	10	9820	2355	23.66	23.75	CA 12A-2A-30A
12	10	23060	704	QPSK	1	0	5060	734	66	20	66886	2155	66	20	67084	2174.8	23.57	23.64	CA 12A-66C
13	10	23230	782	QPSK	1	25	5230	751	2	20	900	1960	2	5	1175	1987.5	23.78	23.80	CA 13A-2A-2A
13	10	23230	782	QPSK	1	25	5230	751	4	20	2175	2132.5	2	20	900	1960	23.68	23.75	CA 13A-4A-2A
13	10	23230	782	QPSK	1	25	5230	751	48	20	55830	3609	48	20	56028	3628.8	23.74	23.76	CA 13A-48C
13	10	23230	782	QPSK	1	25	5230	751	66	15	66886	2155	66	5	66979	2164.3	23.81	23.87	CA 13A-66B
13	10	23230	782	QPSK	1	25	5230	751	66	20	66886	2155	66	20	67084	2174.8	23.79	23.80	CA 13A-66C
14	10	23330	793	QPSK	1	25	5330	763	2	20	900	1960	2	5	1175	1987.5	23.61	23.68	CA 14A-2A-2A
25	20	26140	1860	QPSK	1	50	8140	1940	41	20	40620	2593	41	20	40818	2612.8			

LTE Downlink 4CA conducted power table

Four Component Carrier Maximum Conducted Power																								
PCC											SCC 1				SCC 2				SCC 3				Power	
PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (DL) Frequency [MHz]	Modulation	PCC (UL) RB	PCC (UL) RB Offset	PCC (DL) Channel	PCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	LTE TxPower with DL CA active (dBm)	LTE TxPower with DL CA inactive (dBm)	Configurations	
2	20	18900	1880	QPSK	1	50	900	1960	2	5	1175	1987.5	5	10	2525	881.5	5	10	2624	891.4	23.37	23.44	CA 2A-2A-5B	
2	20	18900	1880	QPSK	1	50	900	1960	2	5	1175	1987.5	66	15	66879	2154.3	66	5	66979	2164.3	23.46	23.51	CA 2A-2A-66B	
2	20	18900	1880	QPSK	1	50	900	1960	2	5	1175	1987.5	66	20	66886	2155	66	20	67084	2174.8	23.38	23.38	CA 2A-2A-66C	
2	20	18900	1880	QPSK	1	50	900	1960	4	20	2175	2132.5	5	10	2525	881.5	5	10	2624	891.4	23.24	23.32	CA 2A-4A-5B	
2	20	18900	1880	QPSK	1	50	900	1960	5	10	2525	881.5	5	10	2624	891.4	30	10	9820	2355	23.48	23.55	CA 2A-5B-30A	
2	20	18900	1880	QPSK	1	50	900	1960	5	10	2525	881.5	48	20	56150	3641	48	20	56348	3660.8	23.33	23.41	CA 2A-5A-48C	
2	20	18900	1880	QPSK	1	50	900	1960	5	10	2525	881.5	66	15	66886	2155	66	5	66979	2164.3	23.33	23.36	CA 2A-5A-66B	
2	20	18900	1880	QPSK	1	50	900	1960	5	10	2525	881.5	66	20	66886	2155	66	20	67084	2174.8	23.42	23.43	CA 2A-5A-66C	
2	20	18900	1880	QPSK	1	50	900	1960	5	10	2525	881.5	5	10	2624	891.4	66	20	66886	2155	23.27	23.35	CA 2A-5B-66A	
4	20	20050	1720	QPSK	1	50	2050	2120	2	20	900	1960	5	10	2525	881.5	5	10	2624	891.4	23.27	23.41	CA 4A-2A-5B	
5	10	20600	844	QPSK	1	0	2600	889	48	20	56150	3641	48	20	56348	3660.8	48	20	56546	3660.6	23.69	23.77	CA 5A-48C	
5	10	20600	844	QPSK	1	0	2600	889	5	10	2699	898.9	2	20	900	1960	2	5	1175	1987.5	23.79	23.88	CA 5B-2A-2A	
5	10	20600	844	QPSK	1	0	2600	889	5	10	2699	898.9	4	20	2175	2132.5	2	20	900	1960	23.64	23.73	CA 5B-4A-2A	
5	10	20600	844	QPSK	1	0	2600	889	5	10	2699	898.9	2	20	900	1960	30	10	9820	2355	23.7	23.78	CA 5B-2A-30A	
5	10	20600	844	QPSK	1	0	2600	889	2	20	900	1960	48	20	56150	3641	48	20	56348	3660.8	23.72	23.80	CA 5A-2A-48C	
5	10	20600	844	QPSK	1	0	2600	889	2	20	900	1960	66	15	66886	2155	66	5	66979	2164.3	23.83	23.87	CA 5A-2A-66B	
5	10	20600	844	QPSK	1	0	2600	889	66	15	66886	2155	66	5	66979	2164.3	2	20	900	1960	23.71	23.71	CA 5A-66B-2A	
5	10	20600	844	QPSK	1	0	2600	889	2	20	900	1960	66	20	66886	2155	66	20	67084	2174.8	23.73	23.73	CA 5A-2A-66C	
5	10	20600	844	QPSK	1	0	2600	889	66	20	66886	2155	66	20	67084	2174.8	2	20	900	1960	23.64	23.72	CA 5A-66C-2A	
5	10	20600	844	QPSK	1	0	2600	889	5	10	2699	898.9	2	20	900	1960	66	20	66886	2155	23.53	23.62	CA 5B-2A-66A	
5	10	20600	844	QPSK	1	0	2600	889	5	10	2699	898.9	66	20	66886	2155	2	20	900	1960	23.72	23.75	CA 5B-66A-2A	
13	10	23230	782	QPSK	1	25	5230	751	48	20	56150	3641	48	20	56348	3660.8	48	20	56546	3660.6	23.69	23.77	CA 13A-48C	
25	20	26140	1880	QPSK	1	50	8140	1940	41	20	40620	2593	41	20	40618	2612.8	41	20	41016	2632.6	22.82	22.82	CA 25A-41D	
30	10	27110	2310	QPSK	1	0	9820	2355	5	10	2525	881.5	5	10	2624	891.4	2	20	900	1960	22.75	22.77	CA 30A-5B-2A	
66	15	132322	1745	QPSK	1	0	66786	2145	66	5	66879	2154.3	2	20	900	1960	2	5	1175	1987.5	23.65	23.66	CA 66B-2A-2A	
66	20	132572	1770	QPSK	1	0	67236	2190	66	20	67434	2208.8	2	20	900	1960	2	5	1175	1987.5	23.74	23.80	CA 66C-2A-2A	
66	15	132047	1717.5	QPSK	1	0	66511	2117.5	66	5	66604	2126.8	5	10	2525	881.5	2	20	900	1960	23.64	23.72	CA 66B-5A-2A	
66	20	132572	1770	QPSK	1	0	67236	2190	5	10	2525	881.5	5	10	2624	891.4	2	20	900	1960	23.74	23.76	CA 66C-5A-2A	
66	20	132572	1770	QPSK	1	0	67236	2190	5	10	2525	881.5	5	10	2624	891.4	2	20	900	1960	23.8	23.88	CA 66A-5B-2A	
66	15	132047	1717.5	QPSK	1	0	66511	2117.5	66	5	66604	2126.8	48	20	56150	3641	48	20	56348	3660.8	23.85	23.92	CA 66B-48C	
66	20	132572	1770	QPSK	1	0	67236	2190	66	20	67434	2208.8	48	20	56150	3641	48	20	56348	3660.8	23.8	23.89	CA 66C-48C	
66	20	132572	1770	QPSK	1	0	67236	2190	48	20	56150	3641	48	20	56348	3660.8	48	20	56546	3660.6	23.8	23.84	CA 66A-48C	
41	20	41055	2636.5	QPSK	1	0	41055	2636.5	41	20	41253	2656.3	41	20	41451	2676.1	25	20	8480	1960	22.34	22.38	CA 41D-25A	
48	20	55830	3609	QPSK	1	0	55830	3609	48	20	56028	3628.8	66	15	66886	2155	66	20	67084	2174.8	18.30	18.30	CA 48C-66C	
48	20	55830	3609	QPSK	1	0	55830	3609	48	20	56028	3628.8	66	15	66886	2155	66	20	66886	2155	18.22	18.23	CA 48D-56A	
48	20	55830	3609	QPSK	1	0	55830	3609	48	20	56028	3628.8	66	15	66886	2155	66	5	66979	2164.3	18.13	18.23	CA 48C-66B	
48	20	55830	3609	QPSK	1	0	55830	3609	48	20	56028	3628.8	5	10	2525	881.5	2	20	900	1960	18.2	18.20	CA 48C-5A-2A	
48	20	55830	3609	QPSK	1	0	55830	3609	48	20	56028	3628.8	48	20	56226	3648.6	4	20	2175	2132.5	18.17	18.18	CA 48D-4A	
48	20	55830	3609	QPSK	1	0	55830	3609	48	20	56028	3628.8	48	20	56226	3648.6	13	10	5230	751	18.11	18.18	CA 48D-13A	

LTE Downlink 5CA conducted power table

Five Component Carrier Maximum Conducted Power																											
PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power		
PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (DL) Frequency [MHz]	Modulation	PCC (UL) RB	PCC (UL) RB Offset	PCC (DL) Channel	PCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	LTE Tx Power with active (dBm)	LTE Tx Power with DL CA inactive (dBm)	Configuration
2	20	18900	1880	QPSK	1	50	900	1960	5	10	2525	881.5	48	20	56028	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	23.36	23.37	CA 2A-5A-48D
2	20	18900	1880	QPSK	1	50	900	1960	5	10	2525	881.5	5	10	2624	891.4	66	15	66886	2155	66	5	66979	2164.3	23.48	23.56	CA 2A-5B-66B
2	20	18900	1880	QPSK	1	50	900	1960	5	10	2525	881.5	5	10	2723	901.3	66	20	66886	2155	66	20	67084	2174.8	23.51	23.59	CA 2A-5B-66C
2	20	18900	1880	QPSK	1	50	900	1960	48	20	56028	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	48	20	56424	3668.4	23.31	23.35	CA 2A-48E
4	20	20050	1720	QPSK	1	50	2050	2120	48	20	56028	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	48	20	56424	3668.4	23.14	23.24	CA 4A-48E
5	10	20600	844	QPSK	1	0	2600	889	2	20	900	1960	48	20	56028	3628.8	48	20	56226	3648.6	48	20	56424	3668.4	23.76	23.84	CA 5A-48E
5	10	20600	844	QPSK	1	0	2600	889	48	20	56028	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	48	20	56424	3668.4	23.66	23.76	CA 5A-48E
5	10	20600	844	QPSK	1	0	2600	889	5	10	2699	898.9	2	20	900	1960	66	15	66886	2155	66	5	66979	2164.3	23.66	23.73	CA 5B-2A-66B
5	10	20600	844	QPSK	1	0	2600	889	5	10	2699	898.9	48	20	56028	3628.8	48	20	56226	3648.6	48	20	56424	3668.4	23.67	23.69	CA 5B-66B-2A
5	10	20600	844	QPSK	1	0	2600	889	5	10	2699	898.9	2	20	900	1960	66	20	66886	2155	66	20	67084	2174.8	23.75	23.78	CA 5B-2A-66C
5	10	20600	844	QPSK	1	0	2600	889	5	10	2699	898.9	66	20	66886	2155	66	20	66886	2155	66	20	67084	2174.8	23.75	23.78	CA 5B-2A-66C
13	10	23270	722	QPSK	1	25	5252	731	48	20	56028	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	48	20	56424	3668.4	23.75	23.84	CA 13B-48E
66	15	13270	1717	QPSK	1	0	66011	2317.5	66	5	66994	2126.5	66	5	66994	2126.5	66	5	66994	2126.5	66	5	66994	2126.5	23.62	23.69	CA 66B-5A-48E
66	20	13270	1717	QPSK	1	0	67434	2330	66	10	67434	2330	66	10	67434	2330	66	10	67434	2330	66	10	67434	2330	23.74	23.74	CA 66B-5A-48E
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	5	10	56226	3648.6	5	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56028	3628.8	48	20	56028	3628.8	48	20	56028	3628.8	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48	20	55830	3609	QPSK	1	0	55830	3628.8	48	20	56028	3628.8	48	20	56226	3648.6	7	10	56226	3648.6	7	10	56226	3648.6	18.31	18.37	CA 48B-5A-2A
48</																											

LTE CA information**A)**

The device supports downlink LTE Carrier Aggregation (CA) only. The possible downlink LTE CA combinations supported by this device are as below tables per 3GPP TS 36.521-1 V16.6.0. The conducted power measurement results of downlink LTE CA are provided as above per 3GPP TS 36.521-1 V16.6.0. According to KDB 941225 D05A and RF exposure procedures in TCB workshop April 2018, the downlink LTE CA SAR test is not required.

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Index	2CC	Restriction	Completely Covered by Measurement Superset	Index	3CC	Restriction	Completely Covered by Measurement Superset	Index	4CC	Restriction	Completely Covered by Measurement Superset	Index	5CC	Restriction	Completely Covered by Measurement Superset
2CC #1	CA 2A-2A		3CC #2	3CC #1	CA 2A-5B		4CC #2	4CC #1	CA 2A-4B		5CC #1	5CC #1	CA 2A-5A-4B		No
2CC #2	CA 2A-4A		3CC #21	3CC #2	CA 2A-5A-2A		No	No	CA 2A-2A-5B		No	5CC #2	CA 2A-5B-66B		No
2CC #3	CA 2A-5A		3CC #2	3CC #3	CA 2A-12A-2A		No	4CC #3	CA 2A-2A-66B		No	5CC #3	CA 2A-5B-66C		No
2CC #4	CA 2A-7A		3CC #23	3CC #4	CA 2A-13A-2A-2A		No	4CC #4	CA 2A-13A-2A-2A		No	5CC #4	CA 2A-4B-8E		No
2CC #5	CA 2A-12A		3CC #3	3CC #5	CA 2A-14A-2A		No	4CC #5	CA 2A-4A-5B		No	5CC #5	CA 4A-4B-8E		No
2CC #6	CA 2A-13A		3CC #4	3CC #6	CA 2A-5A-4A		No	4CC #6	CA 2A-5B-30A		No	5CC #6	CA 5A-2A-4B		No
2CC #7	CA 2A-14A		3CC #5	3CC #7	CA 2A-13A-4A		No	4CC #7	CA 2A-5A-4B-8C		No	5CC #7	CA 5A-4B-8E		No
2CC #8	CA 2A-17A		No	3CC #8	CA 2A-4B-5A		No	4CC #8	CA 2A-5A-66B		No	5CC #8	CA 5B-2A-66B		No
2CC #9	CA 2A-30A		3CC #18	3CC #9	CA 2A-2A-4A		No	4CC #9	CA 2A-5A-66C		No	5CC #9	CA 5B-66B-2A		No
2CC #10	CA 2A-4B		3CC #8	3CC #10	CA 2A-5A-5A		No	4CC #10	CA 2A-5B-66A		No	5CC #10	CA 5B-2A-66C		No
2CC #11	CA 2A-66A		3CC #19	3CC #11	CA 2A-4B		4CC #17	4CC #11	CA 4A-2A-5B		No	5CC #11	CA 5B-66C-2A		No
2CC #12	CA 2A-71A		3CC #20	3CC #12	CA 2A-66B		4CC #18	4CC #12	CA 4A-4B		No	5CC #12	CA 13A-4B-8E		No
2CC #13	CA 4A-2A		3CC #34	3CC #13	CA 2A-66C		4CC #20	4CC #13	CA 5A-4B		5CC #1	5CC #13	CA 66B-5B-2A		No
2CC #14	CA 4A-4A		3CC #35	3CC #14	CA 2C-66A		No	4CC #14	CA 5B-2A-2A		No	5CC #14	CA 66C-5B-2A		No
2CC #15	CA 4A-5A		3CC #36	3CC #15	CA 2A-2A-12A		No	4CC #15	CA 5B-4A-2A		No	5CC #15	CA 4B-5A-2A		No
2CC #16	CA 4A-7A		3CC #38	3CC #16	CA 2A-2A-13A		No	4CC #16	CA 5B-2A-4B-8C		No	5CC #16	CA 4B-66A		No
2CC #17	CA 4A-12A		3CC #40	3CC #17	CA 2A-2A-14A		No	4CC #17	CA 5A-2A-4B-8C		No	5CC #17	CA 4B-66A		No
2CC #18	CA 4A-13A		3CC #41	3CC #18	CA 2A-2A-30A		No	4CC #18	CA 5A-2A-66B		No	5CC #18	CA 4B-66A		No
2CC #19	CA 4A-17A		No	3CC #19	CA 2A-2A-66A		No	4CC #19	CA 5A-66B-2A		No	5CC #19	CA 4B-66A		No
2CC #20	CA 4A-30A		3CC #43	3CC #20	CA 2A-2A-71A		No	4CC #20	CA 5A-2A-66C		No	5CC #20	CA 4B-66A		No
2CC #21	CA 4A-4B		No	3CC #21	CA 2A-4A-4A		No	4CC #21	CA 5A-66C-2A		No	5CC #21	CA 4B-66A		No
2CC #22	CA 4A-71A		3CC #27	3CC #22	CA 2A-4A-5A		No	4CC #22	CA 5B-2A-66A		No				
2CC #23	CA 5A-2A		3CC #48	3CC #23	CA 2A-4A-7A		No	4CC #23	CA 5B-66A-2A		No				
2CC #24	CA 5A-4A		3CC #49	3CC #24	CA 2A-4A-12A		No	4CC #24	CA 5B-66B		5CC #9				
2CC #25	CA 5A-5A		3CC #28	3CC #25	CA 2A-4A-13A		No	4CC #25	CA 5B-66C		5CC #11				
2CC #26	CA 5A-7A		No	3CC #26	CA 2A-4A-30A		No	4CC #26	CA 13A-4B		No				
2CC #27	CA 5A-30A		3CC #29	3CC #27	CA 2A-4A-71A		No	4CC #27	CA 2A-5A-41D		No				
2CC #28	CA 5A-4B		3CC #30	3CC #28	CA 2A-5A-5A		No	4CC #28	CA 3A-5B-2A		No				
2CC #29	CA 5A-66A		3CC #31	3CC #29	CA 2A-5A-30A		No	4CC #29	CA 6B-2A-2A		No				

Member of SGS Group

Note:

- 1) The channel spacing and aggregated channel bandwidth for CA are identical to the associated specification in 3GPP TS 36.521-1 V16.6.0.
- 2) The reference test frequencies for CA refers to 3GPP TS 36.508 V16.6.0
- 3) Testing is not required in bands or modes not intended/allowed for US operation
- 4) Based on TCB workshop April 2018, only indicate “No” in CA combination table need power measurement

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5.5 LTE Intra-Band UL CA

MAIN

Full														
CA_5B														
Combination 50RB + 50RB (10MHz + 10MHz)														
PCC						SCC						UL CA power		
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
10	QPSK	829	20450	1	49	10	QPSK	838.9	20549	1	0	0	23.91	24.00
10	QPSK	831.6	20476	1	49	10	QPSK	841.5	20575	1	0	0	23.92	24.00
10	QPSK	834.1	20501	1	49	10	QPSK	844	20600	1	0	0	23.72	24.00
CA_5B														
Combination 50RB + 25RB (10MHz + 5MHz)														
PCC						SCC						UL CA power		
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
10	QPSK	829	20450	1	49	5	QPSK	836.2	20522	1	0	0	23.68	24.00
10	QPSK	834	20500	1	49	5	QPSK	841.2	20572	1	0	0	23.91	24.00
10	QPSK	839	20550	1	49	5	QPSK	846.2	20622	1	0	0	23.67	24.00
Full														
CA_41C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						UL CA power		
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	99	20	QPSK	2525.8	39948	1	0	0	22.50	24.00
20	QPSK	2583.1	40521	1	99	20	QPSK	2602.9	40719	1	0	0	22.57	24.00
20	QPSK	2660.2	41292	1	99	20	QPSK	2680	41490	1	0	0	22.51	24.00
CA_41C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						UL CA power		
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.8	39728	1	74	20	QPSK	2520.9	39899	1	0	0	22.56	24.00
15	QPSK	2583.3	40523	1	74	20	QPSK	2600.4	40694	1	0	0	22.45	24.00
15	QPSK	2662.9	41319	1	74	20	QPSK	2680	41490	1	0	0	22.48	24.00
CA_41C														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						UL CA power		
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	74	15	QPSK	2518.5	39875	1	0	0	22.46	24.00
15	QPSK	2585.5	40545	1	74	15	QPSK	2600.5	40695	1	0	0	22.44	24.00
15	QPSK	2667.5	41365	1	74	15	QPSK	2682.5	41515	1	0	0	22.55	24.00
CA_41C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						UL CA power		
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
10	QPSK	2501.5	39705	1	49	20	QPSK	2515.9	39849	1	0	0	22.51	24.00
10	QPSK	2583.6	40526	1	49	20	QPSK	2598	40670	1	0	0	22.42	24.00
10	QPSK	2665.6	41346	1	49	20	QPSK	2680	41490	1	0	0	22.34	24.00
CA_41C														
Combination 50RB + 75RB (10MHz + 15MHz)														
PCC						SCC						UL CA power		
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
10	QPSK	2501.3	39703	1	49	15	QPSK	2513.3	39823	1	0	0	22.39	24.00
10	QPSK	2585.9	40549	1	49	15	QPSK	2597.9	40669	1	0	0	22.39	24.00
10	QPSK	2670.5	41395	1	49	15	QPSK	2682.5	41515	1	0	0	22.34	24.00
CA_41C														
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						UL CA power		
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
5	QPSK	2499.3	39683	1	24	20	QPSK	2511	39800	1	0	0	22.33	24.00
5	QPSK	2583.8	40528	1	24	20	QPSK	2595.5	40645	1	0	0	22.54	24.00
5	QPSK	2668.3	41373	1	24	20	QPSK	2680	41490	1	0	0	22.44	24.00
Down														
CA_41C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						UL CA power		
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	99	20	QPSK	2525.8	39948	1	0	0	19.84	20.00
20	QPSK	2583.1	40521	1	99	20	QPSK	2602.9	40719	1	0	0	19.91	20.00
20	QPSK	2660.2	41292	1	99	20	QPSK	2680	41490	1	0	0	19.75	20.00
CA_41C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						UL CA power		
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.8	39728	1	74	20	QPSK	2520.9	39899	1	0	0	19.75	20.00
15	QPSK	2583.3	40523	1	74	20	QPSK	2600.4	40694	1	0	0	19.68	20.00
15	QPSK	2662.9	41319	1	74	20	QPSK	2680	41490	1	0	0	19.62	20.00
CA_41C														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						UL CA power		
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	74	15	QPSK	2518.5	39875	1	0	0	19.81	20.00
15	QPSK	2585.5	40545	1	74	15	QPSK	2600.5	40695	1	0	0	19.75	20.00
15	QPSK	2667.5	41365	1	74	15	QPSK	2682.5	41515	1	0	0	19.49	20.00

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

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

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

CA_41C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	2501.5	39705	1	49	20	QPSK	2515.9	39849	1	0	0	19.84	20.00
10	QPSK	2583.6	40526	1	49	20	QPSK	2598	40670	1	0	0	19.51	20.00
10	QPSK	2665.6	41346	1	49	20	QPSK	2680	41490	1	0	0	19.67	20.00
CA_41C														
Combination 50RB + 75RB (10MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	2501.3	39703	1	49	15	QPSK	2513.3	39823	1	0	0	19.70	20.00
10	QPSK	2585.9	40549	1	49	15	QPSK	2597.9	40669	1	0	0	19.53	20.00
10	QPSK	2670.5	41395	1	49	15	QPSK	2682.5	41515	1	0	0	19.69	20.00
CA_41C														
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
5	QPSK	2499.3	39683	1	24	20	QPSK	2511	39800	1	0	0	19.59	20.00
5	QPSK	2583.8	40528	1	24	20	QPSK	2595.5	40645	1	0	0	19.60	20.00
5	QPSK	2668.3	41373	1	24	20	QPSK	2680	41490	1	0	0	19.70	20.00
Full														
CA_48C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	3560	55340	1	99	20	QPSK	3579.8	55538	1	0	0	21.22	22.00
20	QPSK	3615.1	55891	1	99	20	QPSK	3634.9	56089	1	0	0	21.26	22.00
20	QPSK	3670.2	56442	1	99	20	QPSK	3690	56640	1	0	0	21.25	22.00
CA_48C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	3557.8	55318	1	74	20	QPSK	3574.9	55489	1	0	0	20.46	22.00
15	QPSK	3615.3	55893	1	74	20	QPSK	3632.4	56064	1	0	0	20.45	22.00
15	QPSK	3672.9	56469	1	74	20	QPSK	3690	56640	1	0	0	20.49	22.00
CA_48C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	3555.5	55295	1	49	20	QPSK	3569.9	55439	1	0	0	20.61	22.00
10	QPSK	3615.6	55896	1	49	20	QPSK	3630	56040	1	0	0	20.48	22.00
10	QPSK	3675.6	56496	1	49	20	QPSK	3690	56640	1	0	0	20.49	22.00
CA_48C														
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
5	QPSK	3553.3	55273	1	24	20	QPSK	3565	55390	1	0	0	20.41	22.00
5	QPSK	3615.8	55898	1	24	20	QPSK	3627.5	56015	1	0	0	20.50	22.00
5	QPSK	3678.3	56523	1	24	20	QPSK	3690	56640	1	0	0	20.62	22.00
Down														
CA_48C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	3560	55340	1	99	20	QPSK	3579.8	55538	1	0	0	18.30	18.50
20	QPSK	3615.1	55891	1	99	20	QPSK	3634.9	56089	1	0	0	18.32	18.50
20	QPSK	3670.2	56442	1	99	20	QPSK	3690	56640	1	0	0	18.31	18.50
CA_48C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	3557.8	55318	1	74	20	QPSK	3574.9	55489	1	0	0	18.29	18.50
15	QPSK	3615.3	55893	1	74	20	QPSK	3632.4	56064	1	0	0	18.00	18.50
15	QPSK	3672.9	56469	1	74	20	QPSK	3690	56640	1	0	0	18.17	18.50
CA_48C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	3555.5	55295	1	49	20	QPSK	3569.9	55439	1	0	0	18.06	18.50
10	QPSK	3615.6	55896	1	49	20	QPSK	3630	56040	1	0	0	17.88	18.50
10	QPSK	3675.6	56496	1	49	20	QPSK	3690	56640	1	0	0	18.04	18.50
CA_48C														
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
5	QPSK	3553.3	55273	1	24	20	QPSK	3565	55390	1	0	0	18.16	18.50
5	QPSK	3615.8	55898	1	24	20	QPSK	3627.5	56015	1	0	0	18.11	18.50
5	QPSK	3678.3	56523	1	24	20	QPSK	3690	56640	1	0	0	18.20	18.50

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

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

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

MIMO 2

Full														
CA_7C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2510	20850	1	99	20	QPSK	2529.8	21048	1	0	0	23.59	24.00
20	QPSK	2525.1	21001	1	99	20	QPSK	2544.9	21199	1	0	0	23.63	24.00
20	QPSK	2540.2	21152	1	99	20	QPSK	2560	21350	1	0	0	23.59	24.00
CA_7C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2507.8	20828	1	74	20	QPSK	2524.9	20999	1	0	0	23.62	24.00
15	QPSK	2525.3	21003	1	74	20	QPSK	2542.4	21174	1	0	0	23.38	24.00
15	QPSK	2560	21350	1	74	20	QPSK	2577.1	21521	1	0	0	23.54	24.00
CA_7C														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2507.5	20825	1	74	15	QPSK	2522.5	20975	1	0	0	23.44	24.00
15	QPSK	2527.5	21025	1	74	15	QPSK	2542.5	21175	1	0	0	23.47	24.00
15	QPSK	2547.5	21225	1	74	15	QPSK	2562.5	21375	1	0	0	23.36	24.00
CA_7C														
Combination 75RB + 50RB (15MHz + 10MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2507.5	20825	1	74	10	QPSK	2519.5	20945	1	0	0	23.51	24.00
15	QPSK	2530.1	21051	1	74	10	QPSK	2542.1	21171	1	0	0	23.54	24.00
15	QPSK	2552.7	21277	1	74	10	QPSK	2564.7	21397	1	0	0	23.41	24.00
CA_7C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	2505.5	20805	1	49	20	QPSK	2519.9	20949	1	0	0	23.60	24.00
10	QPSK	2525.6	21006	1	49	20	QPSK	2540	21150	1	0	0	23.56	24.00
10	QPSK	2545.6	21206	1	49	20	QPSK	2560	21350	1	0	0	23.57	24.00
Full														
CA_38C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2580	37850	1	99	20	QPSK	2599.8	38048	1	0	0	22.18	22.50
20	QPSK	2585.1	37901	1	99	20	QPSK	2604.9	38099	1	0	0	22.32	22.50
20	QPSK	2590.2	37952	1	99	20	QPSK	2610	38150	1	0	0	22.31	22.50
CA_38C														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2577.5	37825	1	74	15	QPSK	2592.5	37975	1	0	0	22.09	22.50
15	QPSK	2587.5	37925	1	74	15	QPSK	2602.5	38075	1	0	0	22.15	22.50
15	QPSK	2597.5	38025	1	74	15	QPSK	2612.5	38175	1	0	0	22.14	22.50
Full														
CA_41C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	99	20	QPSK	2525.8	39948	1	0	0	22.30	22.50
20	QPSK	2583.1	40521	1	99	20	QPSK	2602.9	40719	1	0	0	22.36	22.50
20	QPSK	2660.2	41292	1	99	20	QPSK	2680	41490	1	0	0	22.04	22.50

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

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

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

CA_41C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.8	39728	1	74	20	QPSK	2520.9	39899	1	0	0	22.35	22.50
15	QPSK	2583.3	40523	1	74	20	QPSK	2600.4	40694	1	0	0	21.91	22.50
15	QPSK	2662.9	41319	1	74	20	QPSK	2680	41490	1	0	0	21.80	22.50
CA_41C														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	74	15	QPSK	2518.5	39875	1	0	0	22.30	22.50
15	QPSK	2585.5	40545	1	74	15	QPSK	2600.5	40695	1	0	0	21.99	22.50
15	QPSK	2667.5	41365	1	74	15	QPSK	2682.5	41515	1	0	0	21.72	22.50
CA_41C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	2501.5	39705	1	49	20	QPSK	2515.9	39849	1	0	0	22.09	22.50
10	QPSK	2583.6	40526	1	49	20	QPSK	2598	40670	1	0	0	22.10	22.50
10	QPSK	2665.6	41346	1	49	20	QPSK	2680	41490	1	0	0	22.00	22.50
CA_41C														
Combination 50RB + 75RB (10MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	2501.3	39703	1	49	15	QPSK	2513.3	39823	1	0	0	22.12	22.50
10	QPSK	2585.9	40549	1	49	15	QPSK	2597.9	40669	1	0	0	22.08	22.50
10	QPSK	2670.5	41395	1	49	15	QPSK	2682.5	41515	1	0	0	21.98	22.50
CA_41C														
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
5	QPSK	2499.3	39683	1	24	20	QPSK	2511	39800	1	0	0	22.21	22.50
5	QPSK	2583.8	40528	1	24	20	QPSK	2595.5	40645	1	0	0	21.88	22.50
5	QPSK	2668.3	41373	1	24	20	QPSK	2680	41490	1	0	0	21.93	22.50
Full														
CA_48C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	3560	55340	1	99	20	QPSK	3579.8	55538	1	0	0	18.33	18.50
20	QPSK	3615.1	55891	1	99	20	QPSK	3634.9	56089	1	0	0	18.41	18.50
20	QPSK	3670.2	56442	1	99	20	QPSK	3690	56640	1	0	0	18.37	18.50
CA_48C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	3557.8	55318	1	74	20	QPSK	3574.9	55489	1	0	0	18.24	18.50
15	QPSK	3615.3	55893	1	74	20	QPSK	3632.4	56064	1	0	0	18.10	18.50
15	QPSK	3672.9	56469	1	74	20	QPSK	3690	56640	1	0	0	18.38	18.50
CA_48C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	3555.5	55295	1	49	20	QPSK	3569.9	55439	1	0	0	18.05	18.50
10	QPSK	3615.6	55896	1	49	20	QPSK	3630	56040	1	0	0	18.09	18.50
10	QPSK	3675.6	56496	1	49	20	QPSK	3690	56640	1	0	0	18.34	18.50
CA_48C														
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
5	QPSK	3553.3	55273	1	24	20	QPSK	3565	55390	1	0	0	18.16	18.50
5	QPSK	3615.8	55898	1	24	20	QPSK	3627.5	56015	1	0	0	18.17	18.50
5	QPSK	3678.3	56523	1	24	20	QPSK	3690	56640	1	0	0	18.29	18.50

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

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

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

Full														
CA_66B														
Combination 50RB + 50RB (10MHz + 10MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	1715	132022	1	49	10	QPSK	1724.9	132121	1	0	0	23.90	24.00
10	QPSK	1750.1	132373	1	49	10	QPSK	1760	132472	1	0	0	23.91	24.00
10	QPSK	1765.1	132523	1	49	10	QPSK	1775	132622	1	0	0	23.80	24.00
CA_66B														
Combination 25RB + 75RB (5MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
5	QPSK	1713	132002	1	24	15	QPSK	1722.3	132095	1	0	0	23.82	24.00
5	QPSK	1748.1	132353	1	24	15	QPSK	1757.4	132446	1	0	0	23.76	24.00
5	QPSK	1763.2	132504	1	24	15	QPSK	1772.5	132597	1	0	0	23.82	24.00
CA_66B														
Combination 25RB + 50RB (5MHz + 10MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
5	QPSK	1712.8	132000	1	24	10	QPSK	1720	132072	1	0	0	23.82	24.00
5	QPSK	1750.3	132375	1	24	10	QPSK	1757.5	132447	1	0	0	23.81	24.00
5	QPSK	1767.8	132550	1	24	10	QPSK	1775	132622	1	0	0	23.77	24.00
CA_66B														
Combination 25RB + 25RB (5MHz + 5MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
5	QPSK	1712.5	131997	1	24	5	QPSK	1717.3	132045	1	0	0	23.77	24.00
5	QPSK	1752.6	132398	1	24	5	QPSK	1757.4	132446	1	0	0	23.87	24.00
5	QPSK	1772.7	132599	1	24	5	QPSK	1777.5	132647	1	0	0	23.82	24.00
Full														
CA_66C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	1720	132072	1	99	20	QPSK	1739.8	132270	1	0	0	23.78	24.00
20	QPSK	1745.1	132323	1	99	20	QPSK	1764.9	132521	1	0	0	23.93	24.00
20	QPSK	1750.2	132374	1	99	20	QPSK	1770	132572	1	0	0	23.79	24.00
CA_66C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	1717.8	132050	1	74	20	QPSK	1734.9	132221	1	0	0	23.92	24.00
15	QPSK	1745.3	132325	1	74	20	QPSK	1762.4	132496	1	0	0	23.77	24.00
15	QPSK	1752.9	132401	1	74	20	QPSK	1770	132572	1	0	0	23.89	24.00
CA_66C														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	1717.5	132047	1	74	15	QPSK	1732.5	132197	1	0	0	23.91	24.00
15	QPSK	1747.5	132347	1	74	15	QPSK	1762.5	132497	1	0	0	23.83	24.00
15	QPSK	1757.5	132447	1	74	15	QPSK	1772.5	132597	1	0	0	23.75	24.00
CA_66C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	1715.5	132027	1	49	20	QPSK	1729.9	132171	1	0	0	23.80	24.00
10	QPSK	1745.6	132328	1	49	20	QPSK	1760	132472	1	0	0	23.87	24.00
10	QPSK	1755.6	132428	1	49	20	QPSK	1770	132572	1	0	0	23.72	24.00
CA_66C														
Combination 50RB + 75RB (10MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	1715.3	132025	1	49	15	QPSK	1727.3	132145	1	0	0	23.79	24.00
10	QPSK	1747.9	132351	1	49	15	QPSK	1759.9	132471	1	0	0	23.85	24.00
10	QPSK	1760.5	132477	1	49	15	QPSK	1772.5	132597	1	0	0	23.83	24.00

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

CA_66C														
Combination 100RB + 25RB (20MHz + 5MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	1720	132072	1	99	5	QPSK	1731.7	132189	1	0	0	23.75	24.00
20	QPSK	1752.5	132397	1	99	5	QPSK	1764.2	132514	1	0	0	23.79	24.00
20	QPSK	1765	132522	1	99	5	QPSK	1776.7	132639	1	0	0	23.91	24.00

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5.6 FDD NR

MAIN
Full

5G NR n2_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1860	1880	1900		
Channel				372000	376000	380000		
20	Pi/2 BPSK	1	1	23.14	23.55	23.86	24.00	0.0
		1	53	23.79	23.70	23.70	24.00	0.0
		1	104	23.74	23.71	23.78	24.00	0.0
		50	0	23.26	23.28	23.22	23.50	0.5
		50	28	23.75	23.76	23.74	24.00	0.0
		50	56	23.29	23.20	23.26	23.50	0.5
		100	0	23.23	23.26	23.27	23.50	0.5
	QPSK	1	1	23.74	23.75	23.70	24.00	0.0
		1	53	23.70	23.77	23.79	24.00	0.0
		1	104	23.79	23.71	23.73	24.00	0.0
		50	0	22.76	22.73	22.79	23.00	1.0
		50	28	23.77	23.72	23.73	24.00	0.0
		50	56	22.73	22.72	22.73	23.00	1.0
		100	0	22.77	22.78	22.70	23.00	1.0
	16-QAM	1	1	22.73	22.78	22.71	23.00	1.0
	64QAM	1	1	21.21	21.25	21.28	21.50	2.5
	256-QAM	1	1	19.20	19.22	19.24	19.50	4.5
5G NR n2_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1880	1902.5		
Channel				371500	376000	380500		
15	Pi/2 BPSK	1	1	23.72	23.71	23.78	24.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n2_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1855	1880	1905		
Channel				371000	376000	381000		
10	Pi/2 BPSK	1	1	23.78	23.71	23.70	24.00	0.0
5G NR n2_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1852.5	1880	1907.5		
Channel				370500	376000	381500		
5	Pi/2 BPSK	1	1	23.77	23.70	23.72	24.00	0.0
5G NR n5_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				834	836.5	839		
Channel				166800	167300	167800		
20	Pi/2 BPSK	1	1	23.71	23.74	23.72	24.00	0.0
		1	53	23.68	23.68	23.68	24.00	0.0
		1	104	23.66	23.65	23.61	24.00	0.0
		50	0	23.15	23.13	23.11	23.50	0.5
		50	28	23.62	23.62	23.61	24.00	0.0
		50	56	23.16	23.10	23.12	23.50	0.5
		100	0	23.12	23.15	23.13	23.50	0.5
	QPSK	1	1	23.66	23.60	23.69	24.00	0.0
		1	53	23.68	23.62	23.61	24.00	0.0
		1	104	23.61	23.67	23.67	24.00	0.0
		50	0	22.66	22.68	22.65	23.00	1.0
		50	28	23.67	23.65	23.64	24.00	0.0
		50	56	22.60	22.66	22.67	23.00	1.0
		100	0	22.66	22.62	22.64	23.00	1.0
	16-QAM	1	1	22.67	22.60	22.69	23.00	1.0
	64QAM	1	1	21.10	21.10	21.19	21.50	2.5
	256-QAM	1	1	19.14	19.11	19.12	19.50	4.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n5_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				831.5	836.5	841.5		
Channel				166300	167300	168300		
15	Pi/2 BPSK	1	1	23.67	23.66	23.63	24.00	0.0
5G NR n5_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				829	836.5	844		
Channel				165800	167300	168800		
10	Pi/2 BPSK	1	1	23.66	23.62	23.61	24.00	0.0
5G NR n5_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				826.5	836.5	846.5		
Channel				165300	167300	169300		
5	Pi/2 BPSK	1	1	23.68	23.69	23.63	24.00	0.0

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

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

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

5G NR n12_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				706.5	707.5	708.5		
Channel				141300	141500	141700		
15	Pi/2 BPSK	1	1	23.99	23.97	23.98	24.00	0.0
		1	40	23.91	23.88	23.83	24.00	0.0
		1	77	23.88	23.87	23.90	24.00	0.0
		36	0	23.40	23.35	23.32	23.50	0.5
		36	22	23.87	23.85	23.90	24.00	0.0
		36	43	23.35	23.38	23.32	23.50	0.5
		75	0	23.35	23.34	23.32	23.50	0.5
	QPSK	1	1	23.88	23.84	23.87	24.00	0.0
		1	40	23.86	23.87	23.89	24.00	0.0
		1	77	23.84	23.84	23.87	24.00	0.0
		36	0	22.90	22.91	22.86	23.00	1.0
		36	22	23.90	23.82	23.82	24.00	0.0
		36	43	22.91	22.86	22.91	23.00	1.0
		75	0	22.88	22.85	22.86	23.00	1.0
	16-QAM	1	1	22.83	22.90	22.89	23.00	1.0
	64QAM	1	1	21.32	21.41	21.41	21.50	2.5
	256-QAM	1	1	19.35	19.38	19.40	19.50	4.5
5G NR n12_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				704	707.5	711		
Channel				140800	141500	142200		
10	Pi/2 BPSK	1	1	23.84	23.91	23.91	24.00	0.0
5G NR n12_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				701.5	707.5	713.5		
Channel				140300	141500	142700		
5	Pi/2 BPSK	1	1	23.83	23.91	23.84	24.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n14_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					793			
Channel					158600			
10	Pi/2 BPSK	1	1		23.99		24.00	0.0
		1	26		23.91		24.00	0.0
		1	49		23.91		24.00	0.0
		25	0		23.39		23.50	0.5
		25	13		23.91		24.00	0.0
		25	26		23.34		23.50	0.5
		50	0		23.43		23.50	0.5
	QPSK	1	1		23.93		24.00	0.0
		1	26		23.93		24.00	0.0
		1	49		23.87		24.00	0.0
		25	0		22.93		23.00	1.0
		25	13		23.90		24.00	0.0
		25	26		22.91		23.00	1.0
		50	0		22.91		23.00	1.0
	16-QAM	1	1		22.92		23.00	1.0
	64QAM	1	1		21.34		21.50	2.5
	256-QAM	1	1		19.34		19.50	4.5
5G NR n14_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				790.5	793	795.5		
Channel				158100	158600	159100		
5	Pi/2 BPSK	1	1	23.88	23.86	23.84	24.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n25_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1860	1882.5	1905		
Channel				372000	376500	381000		
20	Pi/2 BPSK	1	1	23.03	23.52	23.63	24.00	0.0
		1	53	23.47	23.41	23.45	24.00	0.0
		1	104	23.40	23.48	23.48	24.00	0.0
		50	0	22.95	22.93	22.99	23.50	0.5
		50	28	23.45	23.41	23.44	24.00	0.0
		50	56	22.95	22.92	22.93	23.50	0.5
		100	0	22.93	22.96	22.93	23.50	0.5
	QPSK	1	1	23.47	23.43	23.46	24.00	0.0
		1	53	23.45	23.45	23.45	24.00	0.0
		1	104	23.40	23.45	23.48	24.00	0.0
		50	0	22.46	22.41	22.40	23.00	1.0
		50	28	23.43	23.44	23.42	24.00	0.0
		50	56	22.47	22.49	22.48	23.00	1.0
		100	0	22.46	22.49	22.42	23.00	1.0
	16-QAM	1	1	22.44	22.47	22.41	23.00	1.0
	64QAM	1	1	20.99	20.90	20.95	21.50	2.5
	256-QAM	1	1	18.95	18.96	18.91	19.50	4.5
5G NR n25_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
Channel				371500	376500	381500		
15	Pi/2 BPSK	1	1	23.44	23.46	23.42	24.00	0.0
5G NR n25_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1855	1882.5	1910		
Channel				371000	376500	382000		
10	Pi/2 BPSK	1	1	23.46	23.40	23.49	24.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n25_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
Channel				370500	376500	382500		
5	Pi/2 BPSK	1	1	23.44	23.49	23.46	24.00	0.0
5G NR n26_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				824	831.5	839		
Channel				164800	166300	167800		
20	Pi/2 BPSK	1	1	23.65	23.56	23.53	24.00	0.0
		1	53	23.50	23.46	23.48	24.00	0.0
		1	104	23.47	23.47	23.43	24.00	0.0
		50	0	22.96	22.97	23.01	23.50	0.5
		50	28	23.51	23.45	23.47	24.00	0.0
		50	56	22.99	22.92	22.98	23.50	0.5
		100	0	22.94	22.99	22.95	23.50	0.5
	QPSK	1	1	23.43	23.49	23.44	24.00	0.0
		1	53	23.46	23.43	23.46	24.00	0.0
		1	104	23.45	23.42	23.43	24.00	0.0
		50	0	22.44	22.48	22.44	23.00	1.0
		50	28	23.43	23.46	23.44	24.00	0.0
		50	56	22.44	22.43	22.51	23.00	1.0
		100	0	22.48	22.48	22.50	23.00	1.0
	16-QAM	1	1	22.48	22.45	22.43	23.00	1.0
	64QAM	1	1	20.93	20.93	20.96	21.50	2.5
	256-QAM	1	1	19.00	18.97	18.99	19.50	4.5
5G NR n26_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				821.5	831.5	841.5		
Channel				164300	166300	168300		
15	Pi/2 BPSK	1	1	23.42	23.44	23.49	24.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n26_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				819	831.5	844		
Channel				163800	166300	168800		
10	Pi/2 BPSK	1	1	23.49	23.47	23.47	24.00	0.0
5G NR n26_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				816.5	831.5	846.5		
Channel				163300	166300	169300		
5	Pi/2 BPSK	1	1	23.48	23.50	23.42	24.00	0.0
5G NR n71_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				673	680.5	688		
Channel				134600	136100	137600		
20	Pi/2 BPSK	1	1	23.98	23.99	23.97	24.00	0.0
		1	53	23.86	23.91	23.86	24.00	0.0
		1	104	23.87	23.88	23.84	24.00	0.0
		50	0	23.38	23.32	23.35	23.50	0.5
		50	28	23.90	23.83	23.84	24.00	0.0
		50	56	23.33	23.37	23.35	23.50	0.5
		100	0	23.38	23.32	23.34	23.50	0.5
	QPSK	1	1	23.87	23.89	23.83	24.00	0.0
		1	53	23.84	23.85	23.85	24.00	0.0
		1	104	23.89	23.82	23.90	24.00	0.0
		50	0	22.87	22.83	22.90	23.00	1.0
		50	28	23.88	23.85	23.82	24.00	0.0
		50	56	22.89	22.88	22.90	23.00	1.0
		100	0	22.91	22.89	22.85	23.00	1.0
	16-QAM	1	1	22.82	22.83	22.91	23.00	1.0
	64QAM	1	1	21.41	21.38	21.36	21.50	2.5
	256-QAM	1	1	19.32	19.37	19.38	19.50	4.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n71_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				670.5	680.5	690.5		
Channel				134100	136100	138100		
15	Pi/2 BPSK	1	1	23.85	23.88	23.85	24.00	0.0
5G NR n71_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				668	680.5	693		
Channel				133600	136100	138600		
10	Pi/2 BPSK	1	1	23.90	23.82	23.89	24.00	0.0
5G NR n71_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				665.5	680.5	695.5		
Channel				133100	136100	139100		
5	Pi/2 BPSK	1	1	23.90	23.88	23.89	24.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

MAIN

Reduced

5G NR n2_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1860	1880	1900		
Channel				372000	376000	380000		
20	Pi/2 BPSK	1	1	19.33	19.43	19.46	19.50	0.0
		1	53	19.21	19.35	19.36	19.50	0.0
		1	104	19.14	19.36	19.37	19.50	0.0
		50	0	18.79	18.91	18.92	19.00	0.5
		50	28	19.23	19.37	19.41	19.50	0.0
		50	56	18.78	18.91	18.96	19.00	0.5
		100	0	18.85	18.89	18.88	19.00	0.5
	QPSK	1	1	19.25	19.23	19.33	19.50	0.0
		1	53	19.26	19.26	19.42	19.50	0.0
		1	104	19.18	19.34	19.35	19.50	0.0
		50	0	18.25	18.26	18.32	18.50	1.0
		50	28	19.21	19.27	19.37	19.50	0.0
		50	56	18.21	18.29	18.35	18.50	1.0
		100	0	18.17	18.26	18.30	18.50	1.0
	16-QAM	1	1	18.21	18.30	18.35	18.50	1.0
	64QAM	1	1	16.69	16.88	16.89	17.00	2.5
	256-QAM	1	1	14.75	14.80	14.89	15.00	4.5
5G NR n2_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1880	1902.5		
Channel				371500	376000	380500		
15	Pi/2 BPSK	1	1	19.17	19.32	19.42	19.50	0.0
5G NR n2_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1855	1880	1905		
Channel				371000	376000	381000		
10	Pi/2 BPSK	1	1	19.25	19.30	19.34	19.50	0.0

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

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

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

5G NR n2_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1852.5	1880	1907.5		
Channel				370500	376000	381500		
5	Pi/2 BPSK	1	1	19.22	19.30	19.27	19.50	0.0
5G NR n25_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1860	1882.5	1905		
Channel				372000	376500	381000		
20	Pi/2 BPSK	1	1	18.73	18.82	18.96	19.00	0.0
		1	53	18.60	18.67	18.76	19.00	0.0
		1	104	18.57	18.76	18.90	19.00	0.0
		50	0	18.24	18.26	18.50	18.50	0.5
		50	28	18.64	18.74	18.86	19.00	0.0
		50	56	18.20	18.27	18.48	18.50	0.5
		100	0	18.22	18.21	18.41	18.50	0.5
	QPSK	1	1	18.54	18.66	18.83	19.00	0.0
		1	53	18.63	18.62	18.84	19.00	0.0
		1	104	18.66	18.72	18.79	19.00	0.0
		50	0	17.67	17.72	17.81	18.00	1.0
		50	28	18.63	18.67	18.82	19.00	0.0
		50	56	17.61	17.68	17.85	18.00	1.0
		100	0	17.57	17.65	17.80	18.00	1.0
	16-QAM	1	1	17.61	17.69	17.85	18.00	1.0
	64QAM	1	1	16.13	16.20	16.32	16.50	2.5
	256-QAM	1	1	14.19	14.23	14.37	14.50	4.5
5G NR n25_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
Channel				371500	376500	381500		
15	Pi/2 BPSK	1	1	18.65	18.73	18.83	19.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n25_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1855	1882.5	1910		
Channel				371000	376500	382000		
10	Pi/2 BPSK	1	1	18.63	18.70	18.88	19.00	0.0
5G NR n25_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
Channel				370500	376500	382500		
5	Pi/2 BPSK	1	1	18.62	18.65	18.81	19.00	0.0

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

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

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

MIMO 2
Full

5G NR n2_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1860	1880	1900		
Channel				372000	376000	380000		
20	Pi/2 BPSK	1	1	23.04	23.34	23.69	24.00	0.0
		1	53	23.58	23.55	23.56	24.00	0.0
		1	104	23.61	23.52	23.53	24.00	0.0
		50	0	23.06	23.08	23.06	23.50	0.5
		50	28	23.57	23.58	23.61	24.00	0.0
		50	56	23.07	23.08	23.03	23.50	0.5
		100	0	23.09	23.07	23.08	23.50	0.5
	QPSK	1	1	23.59	23.60	23.59	24.00	0.0
		1	53	23.55	23.53	23.53	24.00	0.0
		1	104	23.58	23.57	23.54	24.00	0.0
		50	0	22.54	22.55	22.54	23.00	1.0
		50	28	23.53	23.53	23.59	24.00	0.0
		50	56	22.56	22.59	22.53	23.00	1.0
		100	0	22.60	22.57	22.52	23.00	1.0
	16-QAM	1	1	22.54	22.55	22.57	23.00	1.0
	64QAM	1	1	21.07	21.05	21.06	21.50	2.5
	256-QAM	1	1	19.04	19.08	19.11	19.50	4.5
5G NR n2_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1880	1902.5		
Channel				371500	376000	380500		
15	Pi/2 BPSK	1	1	23.55	23.55	23.60	24.00	0.0
5G NR n2_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1855	1880	1905		
Channel				371000	376000	381000		
10	Pi/2 BPSK	1	1	23.57	23.60	23.53	24.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n2_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1852.5	1880	1907.5		
Channel				370500	376000	381500		
5	Pi/2 BPSK	1	1	23.61	23.60	23.60	24.00	0.0
5G NR n7_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2510	2535	2560		
Channel				502000	507000	512000		
20	Pi/2 BPSK	1	1	23.95	23.84	23.99	24.00	0.0
		1	53	23.86	23.84	23.89	24.00	0.0
		1	104	23.88	23.82	23.90	24.00	0.0
		50	0	23.35	23.32	23.40	23.50	0.5
		50	28	23.90	23.89	23.83	24.00	0.0
		50	56	23.38	23.38	23.37	23.50	0.5
		100	0	23.33	23.33	23.39	23.50	0.5
	QPSK	1	1	23.84	23.86	23.91	24.00	0.0
		1	53	23.83	23.90	23.88	24.00	0.0
		1	104	23.88	23.82	23.87	24.00	0.0
		50	0	22.87	22.91	22.88	23.00	1.0
		50	28	23.87	23.88	23.86	24.00	0.0
		50	56	22.84	22.84	22.88	23.00	1.0
		100	0	22.89	22.84	22.82	23.00	1.0
	16-QAM	1	1	22.86	22.84	22.90	23.00	1.0
	64QAM	1	1	21.35	21.32	21.35	21.50	2.5
	256-QAM	1	1	19.36	19.36	19.32	19.50	4.5
5G NR n7_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2507.5	2535	2562.5		
Channel				501500	507000	512500		
15	Pi/2 BPSK	1	1	23.87	23.84	23.85	24.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n7_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2505	2535	2565		
Channel				501000	507000	513000		
10	Pi/2 BPSK	1	1	23.87	23.87	23.85	24.00	0.0
5G NR n7_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2502.5	2535	2567.5		
Channel				500500	507000	513500		
5	Pi/2 BPSK	1	1	23.82	23.86	23.90	24.00	0.0
5G NR n25_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1860	1882.5	1905		
Channel				372000	376500	381000		
20	Pi/2 BPSK	1	1	23.87	23.92	23.95	24.00	0.0
		1	53	23.74	23.79	23.85	24.00	0.0
		1	104	23.74	23.72	23.85	24.00	0.0
		50	0	23.31	23.45	23.39	23.50	0.5
		50	28	23.84	23.80	23.78	24.00	0.0
		50	56	23.34	23.38	23.43	23.50	0.5
		100	0	23.39	23.43	23.41	23.50	0.5
	QPSK	1	1	23.76	23.77	23.79	24.00	0.0
		1	53	23.75	23.83	23.79	24.00	0.0
		1	104	23.74	23.83	23.78	24.00	0.0
		50	0	22.75	22.82	22.86	23.00	1.0
		50	28	23.77	23.87	23.92	24.00	0.0
		50	56	22.75	22.78	22.84	23.00	1.0
		100	0	22.71	22.75	22.79	23.00	1.0
	16-QAM	1	1	22.75	22.79	22.84	23.00	1.0
	64QAM	1	1	21.24	21.32	21.34	21.50	2.5
	256-QAM	1	1	19.20	19.22	19.36	19.50	4.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n25_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
Channel				371500	376500	381500		
15	Pi/2 BPSK	1	1	23.43	23.40	23.36	24.00	0.0
5G NR n25_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1855	1882.5	1910		
Channel				371000	376500	382000		
10	Pi/2 BPSK	1	1	23.36	23.40	23.43	24.00	0.0
5G NR n25_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
Channel				370500	376500	382500		
5	Pi/2 BPSK	1	1	23.40	23.44	23.42	24.00	0.0

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

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

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

5G NR n30_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					2310			
Channel					462000			
10	Pi/2 BPSK	1	1		22.56		23.00	0.0
		1	26		22.47		23.00	0.0
		1	49		22.47		23.00	0.0
		25	0		21.97		22.50	0.5
		25	13		22.47		23.00	0.0
		25	26		21.92		22.50	0.5
		50	0		22.01		22.50	0.5
	QPSK	1	1		22.51		23.00	0.0
		1	26		22.49		23.00	0.0
		1	49		22.44		23.00	0.0
		25	0		21.47		22.00	1.0
		25	13		22.45		23.00	0.0
		25	26		21.46		22.00	1.0
		50	0		21.50		22.00	1.0
	16-QAM	1	1		21.47		22.00	1.0
	64QAM	1	1		19.98		20.50	2.5
	256-QAM	1	1		17.96		18.50	4.5
5G NR n30_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2307.5	2310	2312.5		
Channel				461500	462000	462500		
5	Pi/2 BPSK	1	1	22.51	22.43	22.99	23.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n66_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1720	1745	1770		
Channel				344000	349000	354000		
20	Pi/2 BPSK	1	1	23.13	23.12	23.50	23.50	0.0
		1	53	23.39	23.37	23.43	23.50	0.0
		1	104	23.38	23.38	23.36	23.50	0.0
		50	0	22.94	22.89	22.85	23.00	0.5
		50	28	23.36	23.38	23.39	23.50	0.0
		50	56	22.93	22.94	22.88	23.00	0.5
		100	0	22.93	22.90	22.91	23.00	0.5
	QPSK	1	1	23.38	23.35	23.43	23.50	0.0
		1	53	23.39	23.42	23.38	23.50	0.0
		1	104	23.40	23.42	23.37	23.50	0.0
		50	0	22.40	22.42	22.40	22.50	1.0
		50	28	23.36	23.44	23.40	23.50	0.0
		50	56	22.40	22.44	22.37	22.50	1.0
		100	0	22.35	22.43	22.40	22.50	1.0
	16-QAM	1	1	22.37	22.38	22.40	22.50	1.0
	64QAM	1	1	20.90	20.88	20.94	21.00	2.5
	256-QAM	1	1	18.94	18.90	18.86	19.00	4.5
5G NR n66_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1717.5	1745	1772.5		
Channel				343500	349000	354500		
15	Pi/2 BPSK	1	1	23.42	23.35	23.36	23.50	0.0
5G NR n66_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1715	1745	1775		
Channel				343000	349000	355000		
10	Pi/2 BPSK	1	1	23.35	23.37	23.35	23.50	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n66_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1712.5	1745	1777.5		
Channel				342500	349000	355500		
5	Pi/2 BPSK	1	1	23.36	23.43	23.44	23.50	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5.7 TDD NR

MAIN
Full

5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2546.01	2592.99	2640		
Channel				509202	518598	528000		
100	Pi/2 BPSK	1	1	23.95	23.97	23.67	24.00	0.0
		1	137	23.83	23.82	23.53	24.00	0.0
		1	271	23.90	23.83	23.54	24.00	0.0
		135	0	23.45	23.49	23.23	23.50	0.5
		135	69	23.81	23.83	23.57	24.00	0.0
		135	138	23.41	23.47	23.18	23.50	0.5
		270	0	23.47	23.40	23.22	23.50	0.5
	QPSK	1	1	23.74	23.81	23.55	24.00	0.0
		1	137	23.87	23.78	23.59	24.00	0.0
		1	271	23.78	23.85	23.47	24.00	0.0
		135	0	22.88	22.88	22.61	23.00	1.0
		135	69	23.80	23.88	23.54	24.00	0.0
		135	138	22.83	22.83	22.56	23.00	1.0
		270	0	22.79	22.80	22.51	23.00	1.0
	16-QAM	1	1	22.83	22.84	22.56	23.00	1.0
	64QAM	1	1	21.31	21.34	21.12	21.50	2.5
	256-QAM	1	1	19.34	19.38	19.09	19.50	4.5
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2541	2592.99	2644.98		
Channel				508200	518598	528996		
90	Pi/2 BPSK	1	1	23.87	23.83	23.54	24.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
Channel				507204	518598	529998		
80	Pi/2 BPSK	1	1	23.90	23.85	23.54	24.00	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2531.01	2592.99	2655		
Channel				506202	518598	531000		
70	Pi/2 BPSK	1	1	23.79	23.93	23.56	24.00	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2526	2592.99	2659.98		
Channel				505200	518598	531996		
60	Pi/2 BPSK	1	1	23.80	23.76	23.60	24.00	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
Channel				504204	518598	532998		
50	Pi/2 BPSK	1	1	23.82	23.83	23.60	24.00	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
Channel				503700	518598	533496		
45	Pi/2 BPSK	1	1	23.81	23.76	23.57	24.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2516.01	2592.99	2670		
Channel				503202	518598	534000		
40	Pi/2 BPSK	1	1	23.85	23.80	23.61	24.00	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
Channel				502704	518598	534498		
35	Pi/2 BPSK	1	1	23.86	23.85	23.57	24.00	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2511	2592.99	2674.98		
Channel				502200	518598	534996		
30	Pi/2 BPSK	1	1	23.83	23.84	23.52	24.00	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
Channel				501702	518598	535500		
25	Pi/2 BPSK	1	1	23.83	23.84	23.48	24.00	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
Channel				501204	518598	535998		
20	Pi/2 BPSK	1	1	23.82	23.86	23.54	24.00	0.0

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

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

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

5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
Channel				500700	518598	536496		
15	Pi/2 BPSK	1	1	23.81	23.80	23.53	24.00	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2501.01	2592.99	2685		
Channel				500202	518598	537000		
10	Pi/2 BPSK	1	1	23.87	23.84	23.61	24.00	0.0
5G NR n48_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3570	3625.02	3679.98		
Channel				638000	641668	645332		
40	Pi/2 BPSK	1	1	21.77	21.67	21.28	22.00	0.0
		1	53	21.58	21.61	21.19	22.00	0.0
		1	104	21.64	21.54	21.11	22.00	0.0
		50	0	21.26	21.17	20.84	21.50	0.5
		50	28	21.61	21.51	21.12	22.00	0.0
		50	56	21.19	21.13	20.74	21.50	0.5
		100	0	21.32	21.19	20.77	21.50	0.5
	QPSK	1	1	21.65	21.48	21.19	22.00	0.0
		1	53	21.56	21.54	21.21	22.00	0.0
		1	104	21.66	21.59	21.18	22.00	0.0
		50	0	20.60	20.62	20.18	21.00	1.0
		50	28	21.72	21.57	21.24	22.00	0.0
		50	56	20.65	20.53	20.17	21.00	1.0
		100	0	20.61	20.50	20.12	21.00	1.0
	16-QAM	1	1	20.65	20.54	20.17	21.00	1.0
	64QAM	1	1	19.14	19.00	18.67	19.50	2.5
	256-QAM	1	1	17.19	17.08	16.67	17.50	4.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n48_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3565.02	3625.02	3684.99		
Channel				637668	641668	645666		
30	Pi/2 BPSK	1	1	21.71	21.71	21.64	22.00	0.0
5G NR n48_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3560.01	3625.02	3690		
Channel				637334	641668	646000		
20	Pi/2 BPSK	1	1	21.71	21.71	21.70	22.00	0.0
5G NR n48_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3557.52	3625.02	3692.49		
Channel				637168	641668	646166		
15	Pi/2 BPSK	1	1	21.69	21.69	21.63	22.00	0.0
5G NR n48_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3555	3625.02	3694.98		
Channel				637000	641668	646332		
10	Pi/2 BPSK	1	1	21.63	21.70	21.62	22.00	0.0
5G NR n48_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3552.51	3625.02	3697.5		
Channel				636834	641668	646500		
5	Pi/2 BPSK	1	1	21.68	21.70	21.69	22.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3750	3795	3840	3885	3930	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				650000	653000	656000	659000	662000		
100	Pi/2 BPSK	1	1	23.92	23.52	23.32	23.47	23.08	24.00	0.0
		1	137	23.85	23.85	23.90	23.89	23.90	24.00	0.0
		1	271	23.91	23.86	23.88	23.91	23.90	24.00	0.0
		135	0	23.34	23.37	23.35	23.40	23.41	23.50	0.5
		135	69	23.84	23.84	23.88	23.90	23.84	24.00	0.0
		135	138	23.34	23.38	23.34	23.35	23.32	23.50	0.5
		270	0	23.34	23.38	23.32	23.33	23.38	23.50	0.5
	QPSK	1	1	23.85	23.88	23.88	23.83	23.86	24.00	0.0
		1	137	23.88	23.88	23.90	23.87	23.84	24.00	0.0
		1	271	23.82	23.82	23.84	23.82	23.89	24.00	0.0
		135	0	22.87	22.82	22.84	22.90	22.89	23.00	1.0
		135	69	23.89	23.84	23.83	23.87	23.88	24.00	0.0
		135	138	22.87	22.86	22.83	22.91	22.82	23.00	1.0
		270	0	22.87	22.90	22.82	22.84	22.82	23.00	1.0
	16-QAM	1	1	22.86	22.82	22.84	22.88	22.84	23.00	1.0
	64QAM	1	1	21.37	21.39	21.41	21.33	21.37	21.50	2.5
	256-QAM	1	1	19.39	19.38	19.34	19.35	19.40	19.50	4.5
5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3744.99	3792.51	3840	3887.49	3935.01	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				649666	652834	656000	659166	662334		
90	Pi/2 BPSK	1	1	23.90	23.85	23.84	23.90	23.84	24.00	0.0
5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3740.01	3789.99	3840	3890.01	3939.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				649334	652666	656000	659334	662666		
80	Pi/2 BPSK	1	1	23.88	23.82	23.90	23.83	23.88	24.00	0.0
5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3729.99	3785.01	3840	3894.99	3950.01	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648666	652334	656000	659666	663334		
60	Pi/2 BPSK	1	1	23.89	23.84	23.85	23.90	23.87	24.00	0.0
5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3725.01	3782.49	3840	3897.51	3954.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648334	652166	656000	659834	663666		
50	Pi/2 BPSK	1	1	23.82	23.83	23.87	23.89	23.89	24.00	0.0

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

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

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

5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3720	3780	3840	3900	3960	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648000	652000	656000	660000	664000		
40	Pi/2 BPSK	1	1	23.86	23.86	23.89	23.85	23.85	24.00	0.0
5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3710.01	3774.99	3840	3903.99	3969.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				647334	651666	656000	660266	664666		
20	Pi/2 BPSK	1	1	23.83	23.82	23.82	23.89	23.86	24.00	0.0
5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3840			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel						656000				
15	Pi/2 BPSK	1	1			23.83			24.00	0.0
5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3840			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel						656000				
10	Pi/2 BPSK	1	1			23.90			24.00	0.0
5G NR n77_PC2_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3750	3795	3840	3885	3930	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				650000	653000	656000	659000	662000		
100	Pi/2 BPSK	1	1	25.28	25.37	25.36	25.17	25.15	27.00	0.0
		1	137	25.19	25.27	25.25	25.04	25.06	27.00	0.0
		1	271	25.18	25.24	25.29	25.08	25.07	27.00	0.0
		135	0	24.81	24.80	24.87	24.59	24.60	26.50	0.5
		135	69	25.21	25.26	25.31	25.00	25.08	27.00	0.0
		135	138	24.77	24.86	24.87	24.69	24.64	26.50	0.5
		270	0	24.75	24.81	24.81	24.63	24.60	26.50	0.5
	QPSK	1	1	25.21	25.23	25.25	25.03	25.03	27.00	0.0
		1	137	25.14	25.30	25.19	25.03	25.03	27.00	0.0
		1	271	25.14	25.29	25.24	25.06	25.02	27.00	0.0
		135	0	24.20	24.21	24.28	24.05	24.00	26.00	1.0
		135	69	25.15	25.24	25.29	25.01	25.10	27.00	0.0
		135	138	24.16	24.23	24.25	24.05	24.01	26.00	1.0
		270	0	24.12	24.20	24.20	24.01	24.03	26.00	1.0
	16-QAM	1	1	24.16	24.24	24.25	24.05	24.02	26.00	1.0
	64QAM	1	1	22.67	22.67	22.81	22.51	22.53	24.50	2.5
	256-QAM	1	1	20.68	20.75	20.69	20.55	20.53	22.50	4.5

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

5G NR n77_PC2_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3744.99	3792.51	3840	3887.49	3935.01	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				649666	652834	656000	659166	662334		
90	Pi/2 BPSK	1	1	25.09	25.17	25.19	25.09	25.00	27.00	0.0
5G NR n77_PC2_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3740.01	3789.99	3840	3890.01	3939.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				649334	652666	656000	659334	662666		
80	Pi/2 BPSK	1	1	25.15	25.24	25.32	25.05	25.03	27.00	0.0
5G NR n77_PC2_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3729.99	3785.01	3840	3894.99	3950.01	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648666	652334	656000	659666	663334		
60	Pi/2 BPSK	1	1	25.11	25.25	25.27	25.06	25.08	27.00	0.0
5G NR n77_PC2_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3725.01	3782.49	3840	3897.51	3954.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648334	652166	656000	659834	663666		
50	Pi/2 BPSK	1	1	25.16	25.20	25.25	25.04	25.06	27.00	0.0
5G NR n77_PC2_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3720	3780	3840	3900	3960	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648000	652000	656000	660000	664000		
40	Pi/2 BPSK	1	1	25.10	25.26	25.31	25.07	25.10	27.00	0.0
5G NR n77_PC2_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3710.01	3774.99	3840	3903.99	3969.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				647334	651666	656000	660266	664666		
20	Pi/2 BPSK	1	1	25.14	25.26	25.28	25.06	25.06	27.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77_PC2_30kHz									
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)				Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3840			
Channel						656000			
15	Pi/2 BPSK	1	1			25.27		27.00	0.0
5G NR n77_PC2_30kHz									
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)				Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3840			
Channel						656000			
10	Pi/2 BPSK	1	1			25.32		27.00	0.0
5G NR n77 & n78_PC3_30kHz_FCC									
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)				Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3499.995			
Channel						633333			
100	Pi/2 BPSK	1	1			23.90		24.00	0.0
		1	137			23.83		24.00	0.0
		1	271			23.83		24.00	0.0
		135	0			23.38		23.50	0.5
		135	69			23.89		24.00	0.0
		135	138			23.38		23.50	0.5
		270	0			23.36		23.50	0.5
	QPSK	1	1			23.88		24.00	0.0
		1	137			23.83		24.00	0.0
		1	271			23.83		24.00	0.0
		135	0			22.82		23.00	1.0
		135	69			23.88		24.00	0.0
		135	138			22.88		23.00	1.0
		270	0			22.86		23.00	1.0
	16-QAM	1	1			22.85		23.00	1.0
	64QAM	1	1			21.35		21.50	2.5
	256-QAM	1	1			19.41		19.50	4.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77 & n78_PC3_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3495	3499.995	3504.99		
Channel				633000	633333	633666		
90	Pi/2 BPSK	1	1	23.82	23.83	23.88	24.00	0.0
5G NR n77 & n78_PC3_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3490.005	3499.995	3510		
Channel				632667	633333	634000		
80	Pi/2 BPSK	1	1	23.87	23.85	23.88	24.00	0.0
5G NR n77 & n78_PC3_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3480	3499.995	3519.99		
Channel				632000	633333	634666		
60	Pi/2 BPSK	1	1	23.85	23.82	23.84	24.00	0.0
5G NR n77 & n78_PC3_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3475.005	3499.995	3525		
Channel				631667	633333	635000		
50	Pi/2 BPSK	1	1	23.87	23.87	23.89	24.00	0.0
5G NR n77 & n78_PC3_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3470.01	3499.995	3529.995		
Channel				631334	633333	635333		
40	Pi/2 BPSK	1	1	23.85	23.89	23.89	24.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77 & n78_PC3_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3460.005	3499.995	3540		
Channel				630667	633333	636000		
20	Pi/2 BPSK	1	1	23.88	23.88	23.82	24.00	0.0

5G NR n77 & n78_PC3_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3457.5	3499.995	3542.49		
Channel				630500	633333	636166		
15	Pi/2 BPSK	1	1	23.88	23.87	23.83	24.00	0.0

5G NR n77 & n78_PC3_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3455.01	3499.995	3544.995		
Channel				630334	633333	636333		
10	Pi/2 BPSK	1	1	23.85	23.87	23.87	24.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77 & n78_PC2_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					3499.995			
Channel					633333			
100	Pi/2 BPSK	1	1		25.36		27.00	0.0
		1	137		25.01		27.00	0.0
		1	271		25.04		27.00	0.0
		135	0		24.58		26.50	0.5
		135	69		25.00		27.00	0.0
		135	138		24.61		26.50	0.5
		270	0		24.63		26.50	0.5
	QPSK	1	1		25.11		27.00	0.0
		1	137		25.01		27.00	0.0
		1	271		25.03		27.00	0.0
		135	0		24.04		26.00	1.0
		135	69		25.09		27.00	0.0
		135	138		24.05		26.00	1.0
		270	0		24.01		26.00	1.0
	16-QAM	1	1		24.05		26.00	1.0
	64QAM	1	1		22.54		24.50	2.5
	256-QAM	1	1		20.63		22.50	4.5
5G NR n77 & n78_PC2_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3495	3499.995	3504.99		
Channel				633000	633333	633666		
90	Pi/2 BPSK	1	1	25.13	25.07	25.05	27.00	0.0
5G NR n77 & n78_PC2_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3490.005	3499.995	3510		
Channel				632667	633333	634000		
80	Pi/2 BPSK	1	1	25.14	25.08	25.04	27.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77 & n78_PC2_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3480	3499.995	3519.99		
Channel				632000	633333	634666		
60	Pi/2 BPSK	1	1	25.09	25.11	25.06	27.00	0.0
5G NR n77 & n78_PC2_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3475.005	3499.995	3525		
Channel				631667	633333	635000		
50	Pi/2 BPSK	1	1	25.13	25.07	25.08	27.00	0.0
5G NR n77 & n78_PC2_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3470.01	3499.995	3529.995		
Channel				631334	633333	635333		
40	Pi/2 BPSK	1	1	25.07	25.13	25.09	27.00	0.0
5G NR n77 & n78_PC2_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3460.005	3499.995	3540		
Channel				630667	633333	636000		
20	Pi/2 BPSK	1	1	25.09	25.04	25.11	27.00	0.0
5G NR n77 & n78_PC2_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3457.5	3499.995	3542.49		
Channel				630500	633333	636166		
15	Pi/2 BPSK	1	1	25.07	25.13	25.11	27.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77 & n78_PC2_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3455.01	3499.995	3544.995		
Channel				630334	633333	636333		
10	Pi/2 BPSK	1	1	25.07	25.12	25.11	27.00	0.0
5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					3750			
Channel					650000			
100	Pi/2 BPSK	1	1		23.72		24.00	0.0
		1	137		23.64		24.00	0.0
		1	271		23.67		24.00	0.0
		135	0		23.13		23.50	0.5
		135	69		23.63		24.00	0.0
		135	138		23.17		23.50	0.5
		270	0		23.19		23.50	0.5
	QPSK	1	1		23.66		24.00	0.0
		1	137		23.70		24.00	0.0
		1	271		23.71		24.00	0.0
		135	0		22.71		23.00	1.0
		135	69		23.62		24.00	0.0
		135	138		22.70		23.00	1.0
		270	0		22.67		23.00	1.0
	16-QAM	1	1		22.62		23.00	1.0
	64QAM	1	1		21.20		21.50	2.5
	256-QAM	1	1		19.20		19.50	4.5
5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3744.99	3750	3755.01		
Channel				649666	650000	650334		
90	Pi/2 BPSK	1	1	23.71	23.70	23.68	24.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3740.01	3750	3759.99		
Channel				649334	645000	650666		
80	Pi/2 BPSK	1	1	23.62	23.64	23.63	24.00	0.0
5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3729.99	3750	3770.01		
Channel				648666	645000	651334		
60	Pi/2 BPSK	1	1	23.65	23.66	23.68	24.00	0.0
5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3725.01	3750	3774.99		
Channel				648334	645000	651666		
50	Pi/2 BPSK	1	1	23.62	23.70	23.67	24.00	0.0
5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3720	3750	3780		
Channel				648000	650000	652000		
40	Pi/2 BPSK	1	1	23.71	23.67	23.70	24.00	0.0
5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3710.01	3750	3789.99		
Channel				647334	650000	652666		
20	Pi/2 BPSK	1	1	23.69	23.63	23.70	24.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3707.49	3750	3792.51		
Channel				647166	645000	652834		
15	Pi/2 BPSK	1	1	23.66	23.66	23.62	24.00	0.0
5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3705	3750	3795		
Channel				647000	650000	653000		
10	Pi/2 BPSK	1	1	23.62	23.66	23.64	24.00	0.0
5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					3750			
Channel					650000			
100	Pi/2 BPSK	1	1		25.17		27.00	0.0
		1	137		25.04		27.00	0.0
		1	271		25.11		27.00	0.0
		135	0		24.61		26.50	0.5
		135	69		25.06		27.00	0.0
		135	138		24.63		26.50	0.5
		270	0		24.69		26.50	0.5
	QPSK	1	1		25.06		27.00	0.0
		1	137		25.05		27.00	0.0
		1	271		25.05		27.00	0.0
		135	0		24.13		26.00	1.0
		135	69		25.02		27.00	0.0
		135	138		24.05		26.00	1.0
		270	0		24.01		26.00	1.0
	16-QAM	1	1		24.05		26.00	1.0
	64QAM	1	1		22.53		24.50	2.5
	256-QAM	1	1		20.53		22.50	4.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3744.99	3750	3755.01		
Channel				649666	650000	650334		
90	Pi/2 BPSK	1	1	25.02	25.11	25.12	27.00	0.0
5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3740.01	3750	3759.99		
Channel				649334	645000	650666		
80	Pi/2 BPSK	1	1	25.10	25.02	25.01	27.00	0.0
5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3729.99	3750	3770.01		
Channel				648666	650000	651334		
60	Pi/2 BPSK	1	1	25.03	25.05	25.06	27.00	0.0
5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3725.01	3750	3774.99		
Channel				648334	645000	651666		
50	Pi/2 BPSK	1	1	25.09	25.05	25.09	27.00	0.0
5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3720	3750	3780		
Channel				648000	650000	652000		
40	Pi/2 BPSK	1	1	25.06	25.07	25.08	27.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3710.01	3750	3789.99		
Channel				647334	650000	652666		
20	Pi/2 BPSK	1	1	25.02	25.10	25.03	27.00	0.0
5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3707.49	3750	3792.51		
Channel				647166	645000	652834		
15	Pi/2 BPSK	1	1	25.05	25.07	25.08	27.00	0.0
5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3705	3750	3795		
Channel				647000	650000	653000		
10	Pi/2 BPSK	1	1	25.07	25.02	25.07	27.00	0.0

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

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

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

MAIN
Reduced

5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2546.01	2592.99	2640		
Channel				509202	518598	528000		
100	Pi/2 BPSK	1	1	19.45	19.47	19.37	19.50	0.0
		1	137	19.36	19.28	19.18	19.50	0.0
		1	271	19.33	19.28	19.33	19.50	0.0
		135	0	18.94	18.95	18.81	19.00	0.5
		135	69	19.36	19.43	19.25	19.50	0.0
		135	138	18.93	18.92	18.90	19.00	0.5
		270	0	18.93	18.91	18.85	19.00	0.5
	QPSK	1	1	19.32	19.32	19.18	19.50	0.0
		1	137	19.24	19.35	19.29	19.50	0.0
		1	271	19.34	19.39	19.28	19.50	0.0
		135	0	18.34	18.39	18.31	18.50	1.0
		135	69	19.40	19.39	19.33	19.50	0.0
		135	138	18.33	18.33	18.26	18.50	1.0
		270	0	18.29	18.30	18.21	18.50	1.0
	16-QAM	1	1	18.33	18.34	18.26	18.50	1.0
	64QAM	1	1	16.78	16.89	16.74	17.00	2.5
	256-QAM	1	1	14.78	14.87	14.83	15.00	4.5
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2541	2592.99	2644.98		
Channel				508200	518598	528996		
90	Pi/2 BPSK	1	1	19.29	19.35	19.28	19.50	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
Channel				507204	518598	529998		
80	Pi/2 BPSK	1	1	19.34	19.37	19.23	19.50	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2531.01	2592.99	2655		
Channel				506202	518598	531000		
70	Pi/2 BPSK	1	1	19.32	19.39	19.34	19.50	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2526	2592.99	2659.98		
Channel				505200	518598	531996		
60	Pi/2 BPSK	1	1	19.30	19.30	19.27	19.50	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
Channel				504204	518598	532998		
50	Pi/2 BPSK	1	1	19.33	19.39	19.24	19.50	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
Channel				503700	518598	533496		
45	Pi/2 BPSK	1	1	19.40	19.34	19.18	19.50	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2516.01	2592.99	2670		
Channel				503202	518598	534000		
40	Pi/2 BPSK	1	1	19.40	19.39	19.21	19.50	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
Channel				502704	518598	534498		
35	Pi/2 BPSK	1	1	19.31	19.30	19.26	19.50	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2511	2592.99	2674.98		
Channel				502200	518598	534996		
30	Pi/2 BPSK	1	1	19.33	19.36	19.26	19.50	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
Channel				501702	518598	535500		
25	Pi/2 BPSK	1	1	19.34	19.41	19.27	19.50	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
Channel				501204	518598	535998		
20	Pi/2 BPSK	1	1	19.38	19.33	19.28	19.50	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
Channel				500700	518598	536496		
15	Pi/2 BPSK	1	1	19.25	19.41	19.24	19.50	0.0

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

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

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

5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2501.01	2592.99	2685		
Channel				500202	518598	537000		
10	Pi/2 BPSK	1	1	19.29	19.41	19.25	19.50	0.0
5G NR n48_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3570	3625.02	3679.98		
Channel				638000	641668	645332		
40	Pi/2 BPSK	1	1	16.47	16.41	16.38	16.50	0.0
		1	53	16.44	16.24	16.30	16.50	0.0
		1	104	16.33	16.25	16.28	16.50	0.0
		50	0	15.92	15.82	15.90	16.00	0.5
		50	28	16.34	16.32	16.24	16.50	0.0
		50	56	15.94	15.82	15.88	16.00	0.5
		100	0	15.97	15.93	15.85	16.00	0.5
	QPSK	1	1	16.39	16.29	16.25	16.50	0.0
		1	53	16.40	16.26	16.21	16.50	0.0
		1	104	16.34	16.30	16.28	16.50	0.0
		50	0	15.35	15.31	15.27	15.50	1.0
		50	28	16.27	16.24	16.23	16.50	0.0
		50	56	15.35	15.27	15.27	15.50	1.0
		100	0	15.31	15.24	15.22	15.50	1.0
	16-QAM	1	1	15.35	15.28	15.27	15.50	1.0
	64QAM	1	1	13.82	13.75	13.82	14.00	2.5
	256-QAM	1	1	11.83	11.73	11.72	12.00	4.5
5G NR n48_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3565.02	3625.02	3684.99		
Channel				637668	641668	645666		
30	Pi/2 BPSK	1	1	16.35	16.28	16.25	16.50	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n48_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3560.01	3625.02	3690		
Channel				637334	641668	646000		
20	Pi/2 BPSK	1	1	16.29	16.24	16.20	16.50	0.0
5G NR n48_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3557.52	3625.02	3692.49		
Channel				637168	641668	646166		
15	Pi/2 BPSK	1	1	16.42	16.29	16.22	16.50	0.0
5G NR n48_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3555	3625.02	3694.98		
Channel				637000	641668	646332		
10	Pi/2 BPSK	1	1	16.38	16.34	16.33	16.50	0.0
5G NR n48_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3552.51	3625.02	3697.5		
Channel				636834	641668	646500		
5	Pi/2 BPSK	1	1	16.30	16.26	16.27	16.50	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3750	3795	3840	3885	3930	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				650000	653000	656000	659000	662000		
100	Pi/2 BPSK	1	1	19.49	19.46	19.40	19.42	19.36	19.50	0.0
		1	137	19.33	19.39	19.23	19.28	19.25	19.50	0.0
		1	271	19.44	19.29	19.28	19.32	19.19	19.50	0.0
		135	0	18.93	18.90	18.90	18.91	18.91	19.00	0.5
		135	69	19.36	19.33	19.25	19.27	19.23	19.50	0.0
		135	138	18.97	18.93	18.93	18.86	18.84	19.00	0.5
		270	0	18.96	18.99	18.86	18.87	18.81	19.00	0.5
	QPSK	1	1	19.38	19.30	19.33	19.27	19.24	19.50	0.0
		1	137	19.36	19.37	19.28	19.26	19.31	19.50	0.0
		1	271	19.44	19.33	19.28	19.28	19.28	19.50	0.0
		135	0	18.38	18.25	18.31	18.26	18.20	18.50	1.0
		135	69	19.29	19.27	19.33	19.34	19.20	19.50	0.0
		135	138	18.37	18.32	18.29	18.30	18.22	18.50	1.0
		270	0	18.33	18.29	18.24	18.26	18.19	18.50	1.0
	16-QAM	1	1	18.37	18.33	18.29	18.30	18.23	18.50	1.0
	64QAM	1	1	16.95	16.78	16.71	16.78	16.75	17.00	2.5
	256-QAM	1	1	14.94	14.81	14.74	14.79	14.68	15.00	4.5
5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3744.99	3792.51	3840	3887.49	3935.01	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				649666	652834	656000	659166	662334		
90	Pi/2 BPSK	1	1	19.34	19.36	19.24	19.35	19.17	19.50	0.0
5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3740.01	3789.99	3840	3890.01	3939.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				649334	652666	656000	659334	662666		
80	Pi/2 BPSK	1	1	19.43	19.30	19.23	19.32	19.24	19.50	0.0
5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3729.99	3785.01	3840	3894.99	3950.01	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648666	652334	656000	659666	663334		
60	Pi/2 BPSK	1	1	19.36	19.27	19.35	19.33	19.29	19.50	0.0
5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3725.01	3782.49	3840	3897.51	3954.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648334	652166	656000	659834	663666		
50	Pi/2 BPSK	1	1	19.32	19.37	19.25	19.31	19.21	19.50	0.0

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

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

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

5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3720	3780	3840	3900	3960	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648000	652000	656000	660000	664000		
40	Pi/2 BPSK	1	1	19.31	19.40	19.32	19.33	19.26	19.50	0.0
5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3710.01	3774.99	3840	3903.99	3969.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				647334	651666	656000	660266	664666		
20	Pi/2 BPSK	1	1	19.44	19.38	19.22	19.27	19.25	19.50	0.0
5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3840			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel						656000				
15	Pi/2 BPSK	1	1			19.22			19.50	0.0
5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3840			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel						656000				
10	Pi/2 BPSK	1	1			19.27			19.50	0.0
5G NR n77_PC2_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3750	3795	3840	3885	3930	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				650000	653000	656000	659000	662000		
100	Pi/2 BPSK	1	1	19.95	19.97	19.96	19.91	19.85	20.00	0.0
		1	137	19.84	19.86	19.86	19.79	19.67	20.00	0.0
		1	271	19.82	19.81	19.80	19.85	19.80	20.00	0.0
		135	0	19.37	19.47	19.48	19.44	19.31	19.50	0.5
		135	69	19.86	19.89	19.90	19.76	19.78	20.00	0.0
		135	138	19.43	19.44	19.37	19.38	19.34	19.50	0.5
		270	0	19.45	19.36	19.38	19.30	19.28	19.50	0.5
	QPSK	1	1	19.83	19.90	19.87	19.78	19.70	20.00	0.0
		1	137	19.83	19.81	19.79	19.82	19.79	20.00	0.0
		1	271	19.80	19.90	19.88	19.84	19.75	20.00	0.0
		135	0	18.84	18.88	18.87	18.88	18.78	19.00	1.0
		135	69	19.87	19.78	19.82	19.73	19.80	20.00	0.0
		135	138	18.83	18.83	18.85	18.79	18.71	19.00	1.0
		270	0	18.79	18.80	18.80	18.75	18.68	19.00	1.0
	16-QAM	1	1	18.83	18.84	18.85	18.79	18.72	19.00	1.0
	64QAM	1	1	17.28	17.38	17.33	17.24	17.23	17.50	2.5
	256-QAM	1	1	15.32	15.33	15.39	15.25	15.30	15.50	4.5

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

5G NR n77_PC2_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3744.99	3792.51	3840	3887.49	3935.01		
Channel				649666	652834	656000	659166	662334		
90	Pi/2 BPSK	1	1	19.84	19.89	19.80	19.81	19.77	20.00	0.0
5G NR n77_PC2_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3740.01	3789.99	3840	3890.01	3939.99		
Channel				649334	652666	656000	659334	662666		
80	Pi/2 BPSK	1	1	19.84	19.78	19.81	19.87	19.78	20.00	0.0
5G NR n77_PC2_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3729.99	3785.01	3840	3894.99	3950.01		
Channel				648666	652334	656000	659666	663334		
60	Pi/2 BPSK	1	1	19.77	19.83	19.87	19.73	19.74	20.00	0.0
5G NR n77_PC2_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3725.01	3782.49	3840	3897.51	3954.99		
Channel				648334	652166	656000	659834	663666		
50	Pi/2 BPSK	1	1	19.87	19.80	19.85	19.78	19.70	20.00	0.0
5G NR n77_PC2_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3720	3780	3840	3900	3960		
Channel				648000	652000	656000	660000	664000		
40	Pi/2 BPSK	1	1	19.77	19.90	19.91	19.76	19.81	20.00	0.0
5G NR n77_PC2_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3710.01	3774.99	3840	3903.99	3969.99		
Channel				647334	651666	656000	660266	664666		
20	Pi/2 BPSK	1	1	19.80	19.84	19.83	19.76	19.78	20.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77_PC2_30kHz									
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)				Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3840			
Channel						656000			
15	Pi/2 BPSK	1	1			19.78		20.00	0.0
5G NR n77_PC2_30kHz									
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)				Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3840			
Channel						656000			
10	Pi/2 BPSK	1	1			19.82		20.00	0.0
5G NR n77 & n78_PC3_30kHz_FCC									
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)				Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3499.995			
Channel						633333			
100	Pi/2 BPSK	1	1			16.90		17.00	0.0
		1	137			16.77		17.00	0.0
		1	271			16.84		17.00	0.0
		135	0			16.39		16.50	0.5
		135	69			16.77		17.00	0.0
		135	138			16.46		16.50	0.5
		270	0			16.34		16.50	0.5
	QPSK	1	1			16.75		17.00	0.0
		1	137			16.83		17.00	0.0
		1	271			16.75		17.00	0.0
		135	0			15.79		16.00	1.0
		135	69			16.85		17.00	0.0
		135	138			15.78		16.00	1.0
		270	0			15.74		16.00	1.0
	16-QAM	1	1			15.78		16.00	1.0
	64QAM	1	1			14.32		14.50	2.5
	256-QAM	1	1			12.24		12.50	4.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77 & n78_PC3_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3495	3499.995	3504.99		
Channel				633000	633333	633666		
90	Pi/2 BPSK	1	1	16.74	16.82	16.76	17.00	0.0
5G NR n77 & n78_PC3_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3490.005	3499.995	3510		
Channel				632667	633333	634000		
80	Pi/2 BPSK	1	1	16.81	16.84	16.74	17.00	0.0
5G NR n77 & n78_PC3_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3480	3499.995	3519.99		
Channel				632000	633333	634666		
60	Pi/2 BPSK	1	1	16.69	16.81	16.83	17.00	0.0
5G NR n77 & n78_PC3_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3475.005	3499.995	3525		
Channel				631667	633333	635000		
50	Pi/2 BPSK	1	1	16.79	16.76	16.77	17.00	0.0
5G NR n77 & n78_PC3_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3470.01	3499.995	3529.995		
Channel				631334	633333	635333		
40	Pi/2 BPSK	1	1	16.72	16.80	16.76	17.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77 & n78_PC3_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3460.005	3499.995	3540		
Channel				630667	633333	636000		
20	Pi/2 BPSK	1	1	16.79	16.83	16.75	17.00	0.0

5G NR n77 & n78_PC3_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3457.5	3499.995	3542.49		
Channel				630500	633333	636166		
15	Pi/2 BPSK	1	1	16.82	16.74	16.75	17.00	0.0

5G NR n77 & n78_PC3_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3455.01	3499.995	3544.995		
Channel				630334	633333	636333		
10	Pi/2 BPSK	1	1	16.73	16.79	16.71	17.00	0.0

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

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

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

5G NR n77 & n78_PC2_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					3499.995			
Channel					633333			
100	Pi/2 BPSK	1	1		17.86		18.00	0.0
		1	137		17.79		18.00	0.0
		1	271		17.68		18.00	0.0
		135	0		17.40		17.50	0.5
		135	69		17.73		18.00	0.0
		135	138		17.39		17.50	0.5
		270	0		17.32		17.50	0.5
	QPSK	1	1		17.70		18.00	0.0
		1	137		17.74		18.00	0.0
		1	271		17.72		18.00	0.0
		135	0		16.77		17.00	1.0
		135	69		17.76		18.00	0.0
		135	138		16.74		17.00	1.0
		270	0		16.70		17.00	1.0
	16-QAM	1	1		16.74		17.00	1.0
	64QAM	1	1		15.26		15.50	2.5
	256-QAM	1	1		13.28		13.50	4.5
5G NR n77 & n78_PC2_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3495	3499.995	3504.99		
Channel				633000	633333	633666		
90	Pi/2 BPSK	1	1	17.70	17.83	17.72	18.00	0.0
5G NR n77 & n78_PC2_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3490.005	3499.995	3510		
Channel				632667	633333	634000		
80	Pi/2 BPSK	1	1	17.71	17.68	17.75	18.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77 & n78_PC2_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3480	3499.995	3519.99		
Channel				632000	633333	634666		
60	Pi/2 BPSK	1	1	17.80	17.82	17.75	18.00	0.0

5G NR n77 & n78_PC2_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3475.005	3499.995	3525		
Channel				631667	633333	635000		
50	Pi/2 BPSK	1	1	17.75	17.75	17.72	18.00	0.0

5G NR n77 & n78_PC2_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3470.01	3499.995	3529.995		
Channel				631334	633333	635333		
40	Pi/2 BPSK	1	1	17.70	17.70	17.74	18.00	0.0

5G NR n77 & n78_PC2_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3460.005	3499.995	3540		
Channel				630667	633333	636000		
20	Pi/2 BPSK	1	1	17.76	17.75	17.74	18.00	0.0

5G NR n77 & n78_PC2_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3457.5	3499.995	3542.49		
Channel				630500	633333	636166		
15	Pi/2 BPSK	1	1	17.72	17.74	17.71	18.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77 & n78_PC2_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3455.01	3499.995	3544.995		
Channel				630334	633333	636333		
10	Pi/2 BPSK	1	1	17.72	17.76	17.69	18.00	0.0
5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					3750			
Channel					650000			
100	Pi/2 BPSK	1	1		16.42		16.50	0.0
		1	137		16.32		16.50	0.0
		1	271		16.32		16.50	0.0
		135	0		15.96		16.00	0.5
		135	69		16.27		16.50	0.0
		135	138		15.87		16.00	0.5
		270	0		15.96		16.00	0.5
	QPSK	1	1		16.24		16.50	0.0
		1	137		16.29		16.50	0.0
		1	271		16.26		16.50	0.0
		135	0		15.31		15.50	1.0
		135	69		16.23		16.50	0.0
		135	138		15.30		15.50	1.0
		270	0		15.26		15.50	1.0
	16-QAM	1	1		15.30		15.50	1.0
	64QAM	1	1		13.85		14.00	2.5
	256-QAM	1	1		11.80		12.00	4.5
5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3744.99	3750	3755.01		
Channel				649666	650000	650334		
90	Pi/2 BPSK	1	1	16.32	16.31	16.30	16.50	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3740.01	3750	3759.99		
Channel				649334	645000	650666		
80	Pi/2 BPSK	1	1	16.34	16.37	16.28	16.50	0.0
5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3729.99	3750	3770.01		
Channel				648666	650000	651334		
60	Pi/2 BPSK	1	1	16.31	16.35	16.30	16.50	0.0
5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3725.01	3750	3774.99		
Channel				648334	645000	651666		
50	Pi/2 BPSK	1	1	16.37	16.33	16.24	16.50	0.0
5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3720	3750	3780		
Channel				648000	650000	652000		
40	Pi/2 BPSK	1	1	16.22	16.28	16.27	16.50	0.0
5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3710.01	3750	3789.99		
Channel				647334	650000	652666		
20	Pi/2 BPSK	1	1	16.34	16.28	16.26	16.50	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3707.49	3750	3792.51		
Channel				647166	645000	652834		
15	Pi/2 BPSK	1	1	16.34	16.30	16.30	16.50	0.0
5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3705	3750	3795		
Channel				647000	650000	653000		
10	Pi/2 BPSK	1	1	16.37	16.28	16.33	16.50	0.0
5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					3750			
Channel					650000			
100	Pi/2 BPSK	1	1		17.97		18.00	0.0
		1	137		17.86		18.00	0.0
		1	271		17.82		18.00	0.0
		135	0		17.44		17.50	0.5
		135	69		17.90		18.00	0.0
		135	138		17.44		17.50	0.5
		270	0		17.42		17.50	0.5
	QPSK	1	1		17.91		18.00	0.0
		1	137		17.90		18.00	0.0
		1	271		17.84		18.00	0.0
		135	0		16.77		17.00	1.0
		135	69		17.86		18.00	0.0
		135	138		16.85		17.00	1.0
		270	0		16.81		17.00	1.0
	16-QAM	1	1		16.85		17.00	1.0
	64QAM	1	1		15.36		15.50	2.5
	256-QAM	1	1		13.31		13.50	4.5

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

5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3744.99	3750	3755.01		
Channel				649666	650000	650334		
90	Pi/2 BPSK	1	1	17.88	17.86	17.87	18.00	0.0
5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3740.01	3750	3759.99		
Channel				649334	645000	650666		
80	Pi/2 BPSK	1	1	17.90	17.85	17.81	18.00	0.0
5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3729.99	3750	3770.01		
Channel				648666	650000	651334		
60	Pi/2 BPSK	1	1	17.91	17.85	17.82	18.00	0.0
5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3725.01	3750	3774.99		
Channel				648334	645000	651666		
50	Pi/2 BPSK	1	1	17.85	17.87	17.88	18.00	0.0
5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3720	3750	3780		
Channel				648000	650000	652000		
40	Pi/2 BPSK	1	1	17.85	17.85	17.77	18.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3710.01	3750	3789.99		
Channel				647334	650000	652666		
20	Pi/2 BPSK	1	1	17.87	17.89	17.90	18.00	0.0
5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3707.49	3750	3792.51		
Channel				647166	645000	652834		
15	Pi/2 BPSK	1	1	17.88	17.85	17.91	18.00	0.0
5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3705	3750	3795		
Channel				647000	650000	653000		
10	Pi/2 BPSK	1	1	17.90	17.85	17.79	18.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

MIMO 2 Full

5G NR n38_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2580	2595	2610		
Channel				516000	519000	522000		
20	Pi/2 BPSK	1	1	22.46	22.38	22.49	22.50	0.0
		1	26	22.28	22.28	22.39	22.50	0.0
		1	49	22.36	22.18	22.40	22.50	0.0
		25	0	21.96	21.90	21.92	22.00	0.5
		25	13	22.40	22.25	22.41	22.50	0.0
		25	26	21.96	21.81	21.96	22.00	0.5
		50	0	21.94	21.90	22.00	22.00	0.5
	QPSK	1	1	22.38	22.19	22.40	22.50	0.0
		1	26	22.35	22.20	22.38	22.50	0.0
		1	49	22.37	22.21	22.36	22.50	0.0
		25	0	21.40	21.24	21.36	21.50	1.0
		25	13	22.39	22.29	22.34	22.50	0.0
		25	26	21.34	21.24	21.38	21.50	1.0
		50	0	21.30	21.21	21.33	21.50	1.0
	16-QAM	1	1	21.34	21.25	21.38	21.50	1.0
	64QAM	1	1	19.88	19.68	19.87	20.00	2.5
	256-QAM	1	1	17.78	17.78	17.90	18.00	4.5
5G NR n38_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2577.51	2595	2612.49		
Channel				515502	519000	522498		
15	Pi/2 BPSK	1	1	22.31	22.21	22.42	22.50	0.0
5G NR n38_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2575.02	2595	2614.98		
Channel				515004	519000	522996		
10	Pi/2 BPSK	1	1	22.36	22.29	22.43	22.50	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2546.01	2592.99	2640		
Channel				509202	518598	528000		
100	Pi/2 BPSK	1	1	23.78	23.48	23.09	24.00	0.0
		1	137	23.69	23.63	23.68	24.00	0.0
		1	271	23.65	23.68	23.71	24.00	0.0
		135	0	23.18	23.18	23.16	23.50	0.5
		135	69	23.67	23.63	23.66	24.00	0.0
		135	138	23.13	23.18	23.12	23.50	0.5
		270	0	23.18	23.13	23.14	23.50	0.5
	QPSK	1	1	23.63	23.66	23.62	24.00	0.0
		1	137	23.70	23.64	23.62	24.00	0.0
		1	271	23.71	23.63	23.68	24.00	0.0
		135	0	22.64	22.64	22.69	23.00	1.0
		135	69	23.67	23.64	23.68	24.00	0.0
		135	138	22.69	22.63	22.62	23.00	1.0
		270	0	22.62	22.67	22.71	23.00	1.0
	16-QAM	1	1	22.71	22.68	22.69	23.00	1.0
	64QAM	1	1	21.16	21.20	21.19	21.50	2.5
	256-QAM	1	1	19.12	19.15	19.21	19.50	4.5
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2541	2592.99	2644.98		
Channel				508200	518598	528996		
90	Pi/2 BPSK	1	1	23.71	23.63	23.67	24.00	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
Channel				507204	518598	529998		
80	Pi/2 BPSK	1	1	23.65	23.64	23.68	24.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2531.01	2592.99	2655		
Channel				506202	518598	531000		
70	Pi/2 BPSK	1	1	23.67	23.68	23.63	24.00	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2526	2592.99	2659.98		
Channel				505200	518598	531996		
60	Pi/2 BPSK	1	1	23.69	23.66	23.68	24.00	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
Channel				504204	518598	532998		
50	Pi/2 BPSK	1	1	23.62	23.63	23.67	24.00	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
Channel				503700	518598	533496		
45	Pi/2 BPSK	1	1	23.70	23.64	23.65	24.00	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2516.01	2592.99	2670		
Channel				503202	518598	534000		
40	Pi/2 BPSK	1	1	23.63	23.68	23.64	24.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
Channel				502704	518598	534498		
35	Pi/2 BPSK	1	1	23.63	23.64	23.63	24.00	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2511	2592.99	2674.98		
Channel				502200	518598	534996		
30	Pi/2 BPSK	1	1	23.62	23.69	23.69	24.00	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
Channel				501702	518598	535500		
25	Pi/2 BPSK	1	1	23.63	23.67	23.62	24.00	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
Channel				501204	518598	535998		
20	Pi/2 BPSK	1	1	23.62	23.69	23.70	24.00	0.0
5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
Channel				500700	518598	536496		
15	Pi/2 BPSK	1	1	23.67	23.66	23.64	24.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n41_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2501.01	2592.99	2685		
Channel				500202	518598	537000		
10	Pi/2 BPSK	1	1	23.70	23.70	23.62	24.00	0.0
5G NR n41_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2546.01	2592.99	2640		
Channel				509202	518598	528000		
100	Pi/2 BPSK	1	1	25.43	25.49	25.33	25.50	0.0
		1	137	25.29	25.34	25.23	25.50	0.0
		1	271	25.32	25.36	25.18	25.50	0.0
		135	0	24.83	24.97	24.86	25.00	0.5
		135	69	25.30	25.30	25.22	25.50	0.0
		135	138	24.89	24.99	24.76	25.00	0.5
		270	0	24.95	24.97	24.79	25.00	0.5
	QPSK	1	1	25.29	25.34	25.21	25.50	0.0
		1	137	25.24	25.35	25.22	25.50	0.0
		1	271	25.39	25.35	25.22	25.50	0.0
		135	0	24.26	24.36	24.26	24.50	1.0
		135	69	25.31	25.33	25.15	25.50	0.0
		135	138	24.31	24.35	24.22	24.50	1.0
		270	0	24.27	24.32	24.17	24.50	1.0
	16-QAM	1	1	24.31	24.36	24.22	24.50	1.0
	64QAM	1	1	22.75	22.87	22.64	23.00	2.5
	256-QAM	1	1	20.85	20.83	20.76	21.00	4.5
5G NR n41_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2541	2592.99	2644.98		
Channel				508200	518598	528996		
90	Pi/2 BPSK	1	1	25.38	25.42	25.07	25.50	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n41_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
Channel				507204	518598	529998		
80	Pi/2 BPSK	1	1	25.45	25.46	25.05	25.50	0.0
5G NR n41_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2531.01	2592.99	2655		
Channel				506202	518598	531000		
70	Pi/2 BPSK	1	1	25.43	25.49	25.05	25.50	0.0
5G NR n41_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2526	2592.99	2659.98		
Channel				505200	518598	531996		
60	Pi/2 BPSK	1	1	22.91	22.91	22.47	24.00	0.0
5G NR n41_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
Channel				504204	518598	532998		
50	Pi/2 BPSK	1	1	22.95	22.93	22.47	24.00	0.0
5G NR n41_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
Channel				503700	518598	533496		
45	Pi/2 BPSK	1	1	22.88	22.91	22.54	24.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n41_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2516.01	2592.99	2670		
Channel				503202	518598	534000		
40	Pi/2 BPSK	1	1	22.81	22.94	22.49	24.00	0.0
5G NR n41_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
Channel				502704	518598	534498		
35	Pi/2 BPSK	1	1	22.85	22.81	22.54	24.00	0.0
5G NR n41_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2511	2592.99	2674.98		
Channel				502200	518598	534996		
30	Pi/2 BPSK	1	1	22.84	22.94	22.50	24.00	0.0
5G NR n41_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
Channel				501702	518598	535500		
25	Pi/2 BPSK	1	1	22.96	22.93	22.53	24.00	0.0
5G NR n41_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
Channel				501204	518598	535998		
20	Pi/2 BPSK	1	1	22.85	22.98	22.53	24.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n41_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
Channel				500700	518598	536496		
15	Pi/2 BPSK	1	1	22.84	22.94	22.47	24.00	0.0
5G NR n41_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2501.01	2592.99	2685		
Channel				500202	518598	537000		
10	Pi/2 BPSK	1	1	22.94	22.91	22.49	24.00	0.0
5G NR n48_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3570	3625.02	3679.98		
Channel				638000	641668	645332		
40	Pi/2 BPSK	1	1	18.47	18.42	18.36	18.50	0.0
		1	53	18.36	18.28	18.27	18.50	0.0
		1	104	18.41	18.30	18.23	18.50	0.0
		50	0	17.95	17.96	17.85	18.00	0.5
		50	28	18.27	18.31	18.25	18.50	0.0
		50	56	17.92	17.89	17.84	18.00	0.5
		100	0	18.00	17.82	17.91	18.00	0.5
	QPSK	1	1	18.44	18.32	18.21	18.50	0.0
		1	53	18.35	18.35	18.19	18.50	0.0
		1	104	18.39	18.32	18.16	18.50	0.0
		50	0	17.39	17.32	17.31	17.50	1.0
		50	28	18.38	18.30	18.32	18.50	0.0
		50	56	17.35	17.28	17.25	17.50	1.0
		100	0	17.31	17.25	17.20	17.50	1.0
	16-QAM	1	1	17.35	17.29	17.25	17.50	1.0
	64QAM	1	1	15.92	15.72	15.69	16.00	2.5
	256-QAM	1	1	13.93	13.86	13.78	14.00	4.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n48_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3565.02	3625.02	3684.99		
Channel				637668	641668	645666		
30	Pi/2 BPSK	1	1	18.36	18.33	18.27	18.50	0.0
5G NR n48_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3560.01	3625.02	3690		
Channel				637334	641668	646000		
20	Pi/2 BPSK	1	1	18.31	18.34	18.26	18.50	0.0
5G NR n48_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3557.52	3625.02	3692.49		
Channel				637168	641668	646166		
15	Pi/2 BPSK	1	1	18.37	18.32	18.27	18.50	0.0
5G NR n48_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3555	3625.02	3694.98		
Channel				637000	641668	646332		
10	Pi/2 BPSK	1	1	18.34	18.27	18.28	18.50	0.0
5G NR n48_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3552.51	3625.02	3697.5		
Channel				636834	641668	646500		
5	Pi/2 BPSK	1	1	18.42	18.35	18.30	18.50	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3750	3795	3840	3885	3930	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				650000	653000	656000	659000	662000		
100	Pi/2 BPSK	1	1	16.97	16.93	16.91	16.85	16.83	17.00	0.0
		1	137	16.83	16.81	16.84	16.66	16.79	17.00	0.0
		1	271	16.87	16.84	16.76	16.68	16.74	17.00	0.0
		135	0	16.38	16.43	16.32	16.28	16.36	16.50	0.5
		135	69	16.94	16.75	16.78	16.76	16.72	17.00	0.0
		135	138	16.42	16.37	16.41	16.31	16.32	16.50	0.5
		270	0	16.46	16.40	16.34	16.35	16.27	16.50	0.5
	QPSK	1	1	16.81	16.84	16.71	16.73	16.68	17.00	0.0
		1	137	16.80	16.79	16.76	16.74	16.66	17.00	0.0
		1	271	16.84	16.75	16.81	16.79	16.69	17.00	0.0
		135	0	15.91	15.72	15.83	15.68	15.64	16.00	1.0
		135	69	16.85	16.80	16.70	16.78	16.72	17.00	0.0
		135	138	15.85	15.79	15.80	15.73	15.69	16.00	1.0
		270	0	15.81	15.76	15.75	15.69	15.66	16.00	1.0
	16-QAM	1	1	15.85	15.80	15.80	15.73	15.70	16.00	1.0
	64QAM	1	1	14.32	14.31	14.21	14.22	14.17	14.50	2.5
	256-QAM	1	1	12.36	12.32	12.26	12.19	12.20	12.50	4.5
5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3744.99	3792.51	3840	3887.49	3935.01	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				649666	652834	656000	659166	662334		
90	Pi/2 BPSK	1	1	16.83	16.77	16.77	16.69	16.73	17.00	0.0
5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3740.01	3789.99	3840	3890.01	3939.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				649334	652666	656000	659334	662666		
80	Pi/2 BPSK	1	1	16.87	16.87	16.74	16.77	16.77	17.00	0.0
5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3729.99	3785.01	3840	3894.99	3950.01	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648666	652334	656000	659666	663334		
60	Pi/2 BPSK	1	1	16.86	16.84	16.83	16.67	16.71	17.00	0.0
5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3725.01	3782.49	3840	3897.51	3954.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648334	652166	656000	659834	663666		
50	Pi/2 BPSK	1	1	16.86	16.82	16.74	16.70	16.77	17.00	0.0

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

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

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

5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3720	3780	3840	3900	3960	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648000	652000	656000	660000	664000		
40	Pi/2 BPSK	1	1	16.85	16.80	16.75	16.79	16.67	17.00	0.0
5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3710.01	3774.99	3840	3903.99	3969.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				647334	651666	656000	660266	664666		
20	Pi/2 BPSK	1	1	16.87	16.80	16.76	16.77	16.76	17.00	0.0
5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3840			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel						656000				
15	Pi/2 BPSK	1	1			16.82			17.00	0.0
5G NR n77_PC3_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3840			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel						656000				
10	Pi/2 BPSK	1	1			16.85			17.00	0.0
5G NR n77_PC2_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3750	3795	3840	3885	3930	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				650000	653000	656000	659000	662000		
100	Pi/2 BPSK	1	1	18.98	18.94	18.91	18.89	18.86	19.00	0.0
		1	137	18.86	18.87	18.73	18.86	18.72	19.00	0.0
		1	271	18.93	18.84	18.82	18.77	18.72	19.00	0.0
		135	0	18.40	18.38	18.34	18.33	18.31	18.50	0.5
		135	69	18.87	18.73	18.76	18.75	18.71	19.00	0.0
		135	138	18.49	18.42	18.40	18.41	18.30	18.50	0.5
		270	0	18.49	18.46	18.37	18.37	18.33	18.50	0.5
	QPSK	1	1	18.84	18.85	18.80	18.82	18.77	19.00	0.0
		1	137	18.83	18.79	18.74	18.81	18.71	19.00	0.0
		1	271	18.84	18.80	18.78	18.83	18.66	19.00	0.0
		135	0	17.88	17.85	17.79	17.74	17.77	18.00	1.0
		135	69	18.90	18.75	18.79	18.76	18.70	19.00	0.0
		135	138	17.86	17.80	17.80	17.77	17.72	18.00	1.0
		270	0	17.82	17.77	17.75	17.73	17.69	18.00	1.0
	16-QAM	1	1	17.86	17.81	17.80	17.77	17.73	18.00	1.0
	64QAM	1	1	16.34	16.26	16.25	16.28	16.21	16.50	2.5
	256-QAM	1	1	14.42	14.36	14.27	14.27	14.24	14.50	4.5

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

5G NR n77_PC2_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3744.99	3792.51	3840	3887.49	3935.01		
Channel				649666	652834	656000	659166	662334		
90	Pi/2 BPSK	1	1	18.85	18.80	18.74	18.79	18.75	19.00	0.0
5G NR n77_PC2_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3740.01	3789.99	3840	3890.01	3939.99		
Channel				649334	652666	656000	659334	662666		
80	Pi/2 BPSK	1	1	18.85	18.89	18.75	18.76	18.70	19.00	0.0
5G NR n77_PC2_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3729.99	3785.01	3840	3894.99	3950.01		
Channel				648666	652334	656000	659666	663334		
60	Pi/2 BPSK	1	1	18.89	18.83	18.80	18.80	18.70	19.00	0.0
5G NR n77_PC2_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3725.01	3782.49	3840	3897.51	3954.99		
Channel				648334	652166	656000	659834	663666		
50	Pi/2 BPSK	1	1	18.88	18.76	18.77	18.76	18.77	19.00	0.0
5G NR n77_PC2_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3720	3780	3840	3900	3960		
Channel				648000	652000	656000	660000	664000		
40	Pi/2 BPSK	1	1	18.84	18.80	18.80	18.77	18.79	19.00	0.0
5G NR n77_PC2_30kHz										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3710.01	3774.99	3840	3903.99	3969.99		
Channel				647334	651666	656000	660266	664666		
20	Pi/2 BPSK	1	1	18.83	18.79	18.75	18.78	18.81	19.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77_PC2_30kHz									
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)				Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3840			
Channel						656000			
15	Pi/2 BPSK	1	1			18.80		19.00	0.0
5G NR n77_PC2_30kHz									
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)				Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3840			
Channel						656000			
10	Pi/2 BPSK	1	1			18.77		19.00	0.0
5G NR n77 & n78_PC3_30kHz_FCC									
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)				Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3499.995			
Channel						633333			
100	Pi/2 BPSK	1	1			20.47		20.50	0.0
		1	137			20.36		20.50	0.0
		1	271			20.34		20.50	0.0
		135	0			19.99		20.00	0.5
		135	69			20.38		20.50	0.0
		135	138			19.98		20.00	0.5
		270	0			19.92		20.00	0.5
	QPSK	1	1			20.38		20.50	0.0
		1	137			20.38		20.50	0.0
		1	271			20.33		20.50	0.0
		135	0			19.34		19.50	1.0
		135	69			20.32		20.50	0.0
		135	138			19.33		19.50	1.0
		270	0			19.30		19.50	1.0
	16-QAM	1	1			19.34		19.50	1.0
	64QAM	1	1			17.82		18.00	2.5
	256-QAM	1	1			15.85		16.00	4.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77 & n78_PC3_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3495	3499.995	3504.99		
Channel				633000	633333	633666		
90	Pi/2 BPSK	1	1	20.40	20.30	20.36	20.50	0.0

5G NR n77 & n78_PC3_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3490.005	3499.995	3510		
Channel				632667	633333	634000		
80	Pi/2 BPSK	1	1	20.33	20.33	20.35	20.50	0.0

5G NR n77 & n78_PC3_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3480	3499.995	3519.99		
Channel				632000	633333	634666		
60	Pi/2 BPSK	1	1	20.28	20.43	20.38	20.50	0.0

5G NR n77 & n78_PC3_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3475.005	3499.995	3525		
Channel				631667	633333	635000		
50	Pi/2 BPSK	1	1	20.41	20.39	20.34	20.50	0.0

5G NR n77 & n78_PC3_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3470.01	3499.995	3529.995		
Channel				631334	633333	635333		
40	Pi/2 BPSK	1	1	20.36	20.40	20.42	20.50	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77 & n78_PC3_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3460.005	3499.995	3540		
Channel				630667	633333	636000		
20	Pi/2 BPSK	1	1	20.35	20.34	20.31	20.50	0.0

5G NR n77 & n78_PC3_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3457.5	3499.995	3542.49		
Channel				630500	633333	636166		
15	Pi/2 BPSK	1	1	20.40	20.41	20.33	20.50	0.0

5G NR n77 & n78_PC3_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3455.01	3499.995	3544.995		
Channel				630334	633333	636333		
10	Pi/2 BPSK	1	1	20.34	20.42	20.32	20.50	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77 & n78_PC2_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					3499.995			
Channel					633333			
100	Pi/2 BPSK	1	1		21.92		22.00	0.0
		1	137		21.76		22.00	0.0
		1	271		21.80		22.00	0.0
		135	0		21.48		21.50	0.5
		135	69		21.79		22.00	0.0
		135	138		21.35		21.50	0.5
		270	0		21.41		21.50	0.5
	QPSK	1	1		21.82		22.00	0.0
		1	137		21.81		22.00	0.0
		1	271		21.83		22.00	0.0
		135	0		20.76		21.00	1.0
		135	69		21.86		22.00	0.0
		135	138		20.78		21.00	1.0
		270	0		20.75		21.00	1.0
	16-QAM	1	1		20.79		21.00	1.0
	64QAM	1	1		19.28		19.50	2.5
	256-QAM	1	1		17.31		17.50	4.5
5G NR n77 & n78_PC2_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3495	3499.995	3504.99		
Channel				633000	633333	633666		
90	Pi/2 BPSK	1	1	21.80	21.83	21.74	22.00	0.0
5G NR n77 & n78_PC2_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3490.005	3499.995	3510		
Channel				632667	633333	634000		
80	Pi/2 BPSK	1	1	21.79	21.74	21.80	22.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77 & n78_PC2_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3480	3499.995	3519.99		
Channel				632000	633333	634666		
60	Pi/2 BPSK	1	1	21.78	21.78	21.86	22.00	0.0
5G NR n77 & n78_PC2_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3475.005	3499.995	3525		
Channel				631667	633333	635000		
50	Pi/2 BPSK	1	1	21.77	21.86	21.89	22.00	0.0
5G NR n77 & n78_PC2_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3470.01	3499.995	3529.995		
Channel				631334	633333	635333		
40	Pi/2 BPSK	1	1	21.84	21.84	21.80	22.00	0.0
5G NR n77 & n78_PC2_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3460.005	3499.995	3540		
Channel				630667	633333	636000		
20	Pi/2 BPSK	1	1	21.79	21.79	21.82	22.00	0.0
5G NR n77 & n78_PC2_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3457.5	3499.995	3542.49		
Channel				630500	633333	636166		
15	Pi/2 BPSK	1	1	21.80	21.79	21.79	22.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77 & n78_PC2_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3455.01	3499.995	3544.995		
Channel				630334	633333	636333		
10	Pi/2 BPSK	1	1	21.72	21.78	21.81	22.00	0.0
5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					3750			
Channel					645000			
100	Pi/2 BPSK	1	1		17.96		18.00	0.0
		1	137		17.86		18.00	0.0
		1	271		17.83		18.00	0.0
		135	0		17.36		17.50	0.5
		135	69		17.75		18.00	0.0
		135	138		17.40		17.50	0.5
		270	0		17.47		17.50	0.5
	QPSK	1	1		17.83		18.00	0.0
		1	137		17.89		18.00	0.0
		1	271		17.86		18.00	0.0
		135	0		16.84		17.00	1.0
		135	69		17.85		18.00	0.0
		135	138		16.82		17.00	1.0
		270	0		16.79		17.00	1.0
	16-QAM	1	1		16.83		17.00	1.0
	64QAM	1	1		15.33		15.50	2.5
	256-QAM	1	1		13.36		13.50	4.5
5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3744.99	3750	3755.01		
Channel				649666	650000	650334		
90	Pi/2 BPSK	1	1	17.81	17.82	17.82	18.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3740.01	3750	3759.99		
Channel				649334	645000	650666		
80	Pi/2 BPSK	1	1	17.78	17.85	17.78	18.00	0.0
5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3729.99	3750	3770.01		
Channel				648666	650000	651334		
60	Pi/2 BPSK	1	1	17.81	17.78	17.88	18.00	0.0
5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3725.01	3750	3774.99		
Channel				648334	645000	651666		
50	Pi/2 BPSK	1	1	17.86	17.85	17.86	18.00	0.0
5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3720	3750	3780		
Channel				648000	650000	652000		
40	Pi/2 BPSK	1	1	17.90	17.92	17.85	18.00	0.0
5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3710.01	3750	3789.99		
Channel				647334	650000	652666		
20	Pi/2 BPSK	1	1	17.83	17.78	17.80	18.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3707.49	3750	3792.51		
Channel				647166	645000	652834		
15	Pi/2 BPSK	1	1	17.83	17.77	17.83	18.00	0.0
5G NR n78_PC3_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3705	3750	3795		
Channel				647000	650000	653000		
10	Pi/2 BPSK	1	1	17.82	17.84	17.85	18.00	0.0
5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					3750			
Channel					650000			
100	Pi/2 BPSK	1	1		19.93		20.00	0.0
		1	137		19.86		20.00	0.0
		1	271		19.86		20.00	0.0
		135	0		19.46		19.50	0.5
		135	69		19.80		20.00	0.0
		135	138		19.44		19.50	0.5
		270	0		19.38		19.50	0.5
	QPSK	1	1		19.73		20.00	0.0
		1	137		19.78		20.00	0.0
		1	271		19.78		20.00	0.0
		135	0		18.77		19.00	1.0
		135	69		19.89		20.00	0.0
		135	138		18.79		19.00	1.0
		270	0		18.76		19.00	1.0
	16-QAM	1	1		18.80		19.00	1.0
	64QAM	1	1		17.27		17.50	2.5
	256-QAM	1	1		15.37		15.50	4.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3744.99	3750	3755.01		
Channel				649666	650000	650334		
90	Pi/2 BPSK	1	1	19.86	19.78	19.75	20.00	0.0
5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3740.01	3750	3759.99		
Channel				649334	645000	650666		
80	Pi/2 BPSK	1	1	19.81	19.82	19.82	20.00	0.0
5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3729.99	3750	3770.01		
Channel				648666	650000	651334		
60	Pi/2 BPSK	1	1	19.87	19.78	19.85	20.00	0.0
5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3725.01	3750	3774.99		
Channel				648334	645000	651666		
50	Pi/2 BPSK	1	1	19.77	19.77	19.83	20.00	0.0
5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3720	3750	3780		
Channel				648000	650000	652000		
40	Pi/2 BPSK	1	1	19.81	19.85	19.83	20.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3710.01	3750	3789.99		
Channel				647334	650000	652666		
20	Pi/2 BPSK	1	1	19.81	19.75	19.76	20.00	0.0
5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3707.49	3750	3792.51		
Channel				647166	645000	652834		
15	Pi/2 BPSK	1	1	19.82	19.73	19.88	20.00	0.0
5G NR n78_PC2_30kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3705	3750	3795		
Channel				647000	650000	653000		
10	Pi/2 BPSK	1	1	19.81	19.79	19.80	20.00	0.0

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5.8 TDD NR ULMIMO

MAIN

5G NR n41_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2546.01	2592.99	2640		
Channel				509202	518598	528000		
100	CP-OFDM QPSK	1	0	22.33	22.27	22.04	22.50	1.5
		1	137	22.21	22.15	21.88	22.50	1.5
		1	272	22.26	22.22	21.86	22.50	1.5
		135	0	21.81	21.83	21.59	22.50	1.5
		137	68	22.17	22.21	21.90	22.50	1.5
		135	138	21.75	21.80	21.54	22.50	1.5
		273	0	20.49	20.48	20.28	21.00	3.0
	16-QAM	1	1	21.91	21.84	21.58	22.00	2.0
	64QAM	1	1	20.41	20.35	20.12	20.50	3.5
	256-QAM	1	1	17.48	17.45	17.15	17.50	6.5
5G NR n41_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2541	2592.99	2644.98		
Channel				508200	518598	528996		
90	CP-OFDM QPSK	1	0	22.22	22.11	21.96	22.50	1.5
5G NR n41_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
Channel				507204	518598	529998		
80	CP-OFDM QPSK	1	0	22.17	22.08	21.92	22.50	1.5
5G NR n41_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2526	2592.99	2659.98		
Channel				505200	518598	531996		
60	CP-OFDM QPSK	1	0	22.15	22.21	22.03	22.50	1.5

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

5G NR n41_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)		MPR Allowed per 3GPP(dB)	
Frequency (MHz)				2521.02	2592.99	2664.99				
Channel				504204	518598	532998				
50	CP-OFDM QPSK	1	0	22.22	22.21	21.88	22.50	1.5		
5G NR n41_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)		MPR Allowed per 3GPP(dB)	
Frequency (MHz)				2516.01	2592.99	2670				
Channel				503202	518598	534000				
40	CP-OFDM QPSK	1	0	22.32	22.26	21.84	22.50	1.5		
5G NR n41_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)		MPR Allowed per 3GPP(dB)	
Frequency (MHz)				2506.02	2592.99	2679.99				
Channel				501204	518598	535998				
20	CP-OFDM QPSK	1	0	22.24	22.13	22.02	22.50	1.5		
5G NR n77_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	
Frequency (MHz)				3750	3795	3840	3885	3930		
Channel				650000	653000	656000	659000	662000		
100	CP-OFDM QPSK	1	0	22.28	21.87	21.62	21.81	21.41	22.50	1.5
		1	137	22.25	22.21	22.23	22.19	22.21	22.50	1.5
		1	272	22.23	22.20	22.26	22.24	22.26	22.50	1.5
		135	0	21.64	21.68	21.75	21.78	21.80	22.50	1.5
		137	68	22.16	22.14	22.27	22.22	22.22	22.50	1.5
		135	138	21.67	21.69	21.65	21.72	21.64	22.50	1.5
		273	0	20.67	20.69	20.71	20.71	20.76	21.00	3.0
	16-QAM	1	1	21.58	21.17	21.01	21.16	20.74	22.00	2.0
	64QAM	1	1	20.07	19.61	19.42	19.60	19.17	20.50	3.5
	256-QAM	1	1	16.91	16.43	16.31	16.42	16.05	17.50	6.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3744.99	3792.51	3840	3887.49	3935.01		
Channel				649666	652834	656000	659166	662334		
90	CP-OFDM QPSK	1	0	22.15	21.82	21.51	21.70	21.41	22.50	1.5
5G NR n77_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3740.01	3789.99	3840	3890.01	3939.99		
Channel				649334	652666	656000	659334	662666		
80	CP-OFDM QPSK	1	0	22.05	21.71	21.52	21.68	21.26	22.50	1.5
5G NR n77_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3729.99	3785.01	3840	3894.99	3950.01		
Channel				648666	652334	656000	659666	663334		
60	CP-OFDM QPSK	1	0	22.17	21.70	21.54	21.62	21.27	22.50	1.5
5G NR n77_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3725.01	3782.49	3840	3897.51	3954.99		
Channel				648334	652166	656000	659834	663666		
50	CP-OFDM QPSK	1	0	22.18	21.82	21.45	21.65	21.37	22.50	1.5
5G NR n77_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3720	3780	3840	3900	3960		
Channel				648000	652000	656000	660000	664000		
40	CP-OFDM QPSK	1	0	22.08	21.83	21.61	21.65	21.21	22.50	1.5
5G NR n77_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3710.01	3774.99	3840	3903.99	3969.99		
Channel				647334	651666	656000	660266	664666		
20	CP-OFDM QPSK	1	0	22.10	21.80	21.61	21.62	21.28	22.50	1.5

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

5G NR n77_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3840				
Channel						656000				
15	CP-OFDM QPSK	1	0			21.61			22.50	1.5
5G NR n77_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3840				
Channel						656000				
10	CP-OFDM QPSK	1	0			21.42			22.50	1.5
5G NR n77_PC2_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3750	3795	3840	3885	3930		
Channel				650000	653000	656000	659000	662000		
100	CP-OFDM QPSK	1	0	24.08	24.07	24.07	23.91	23.90	25.50	1.5
		1	137	23.90	24.02	23.96	23.84	23.83	25.50	1.5
		1	272	23.89	23.99	23.99	23.87	23.82	25.50	1.5
		135	0	23.55	23.58	23.66	23.50	23.51	25.50	1.5
		137	68	23.92	23.97	24.08	23.79	23.84	25.50	1.5
		135	138	23.52	23.65	23.61	23.51	23.50	25.50	1.5
		273	0	22.29	22.41	22.31	22.21	22.13	24.00	3.0
	16-QAM	1	1	23.38	23.45	23.45	23.21	23.27	25.00	2.0
	64-QAM	1	1	21.80	21.86	21.95	21.65	21.77	23.50	3.5
	256-QAM	1	1	18.68	18.66	18.81	18.53	18.66	20.50	6.5
5G NR n77_PC2_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3744.99	3792.51	3840	3887.49	3935.01		
Channel				649666	652834	656000	659166	662334		
90	CP-OFDM QPSK	1	0	23.88	23.89	23.96	23.87	23.84	25.50	1.5
5G NR n77_PC2_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3740.01	3789.99	3840	3890.01	3939.99		
Channel				649334	652666	656000	659334	662666		
80	CP-OFDM QPSK	1	0	24.01	23.89	23.98	23.84	23.70	25.50	1.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77_PC2_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3729.99	3785.01	3840	3894.99	3950.01		
Channel				648666	652334	656000	659666	663334		
60	CP-OFDM QPSK	1	0	23.97	23.96	23.90	23.79	23.74	25.50	1.5
5G NR n77_PC2_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3725.01	3782.49	3840	3897.51	3954.99		
Channel				648334	652166	656000	659834	663666		
50	CP-OFDM QPSK	1	0	23.88	24.05	23.99	23.86	23.86	25.50	1.5
5G NR n77_PC2_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3720	3780	3840	3900	3960		
Channel				648000	652000	656000	660000	664000		
40	CP-OFDM QPSK	1	0	23.91	24.05	23.87	23.75	23.71	25.50	1.5
5G NR n77_PC2_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3710.01	3774.99	3840	3903.99	3969.99		
Channel				647334	651666	656000	660266	664666		
20	CP-OFDM QPSK	1	0	24.05	23.93	23.93	23.79	23.79	25.50	1.5
5G NR n77_PC2_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3840				
Channel						656000				
15	CP-OFDM QPSK	1	0			23.95			25.50	1.5
5G NR n77_PC2_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3840				
Channel						656000				
10	CP-OFDM QPSK	1	0			23.94			25.50	1.5

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

5G NR n77 & n78_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					3499.995			
Channel					633333			
100	CP-OFDM QPSK	1	0		22.29		22.50	1.5
		1	137		22.20		22.50	1.5
		1	272		22.21		22.50	1.5
		135	0		21.76		22.50	1.5
		137	68		22.25		22.50	1.5
		135	138		21.69		22.50	1.5
		273	0		20.70		21.00	3.0
	16-QAM	1	1		21.63		22.00	2.0
	64QAM	1	1		20.07		20.50	3.5
	256-QAM	1	1		16.97		17.50	6.5
5G NR n77 & n78_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3495	3499.995	3504.99		
Channel				633000	633333	633666		
90	CP-OFDM QPSK	1	0	22.12	22.14	22.00	22.50	1.5
5G NR n77 & n78_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3490.005	3499.995	3510		
Channel				632667	633333	634000		
80	CP-OFDM QPSK	1	0	22.17	22.26	22.13	22.50	1.5
5G NR n77 & n78_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3480	3499.995	3519.99		
Channel				632000	633333	634666		
60	CP-OFDM QPSK	1	0	22.06	22.12	21.94	22.50	1.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77 & n78_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3475.005	3499.995	3525		
Channel				631667	633333	635000		
50	CP-OFDM QPSK	1	0	22.10	22.17	21.98	22.50	1.5
5G NR n77 & n78_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3470.01	3499.995	3529.995		
Channel				631334	633333	635333		
40	CP-OFDM QPSK	1	0	22.16	22.24	22.18	22.50	1.5
5G NR n77 & n78_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3460.005	3499.995	3540		
Channel				630667	633333	636000		
20	CP-OFDM QPSK	1	0	22.15	22.19	22.07	22.50	1.5
5G NR n77 & n78_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3457.5	3499.995	3542.49		
Channel				630500	633333	636166		
15	CP-OFDM QPSK	1	0	22.06	22.16	22.05	22.50	1.5
5G NR n77 & n78_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3455.01	3499.995	3544.995		
Channel				630334	633333	636333		
10	CP-OFDM QPSK	1	0	22.09	22.10	22.06	22.50	1.5

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

5G NR n77 & n78_PC2_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					3499.995			
Channel					633333			
100	Pi/2 BPSK	1	0		23.71		25.50	1.5
		1	137		23.76		25.50	1.5
		1	272		23.81		25.50	1.5
		135	0		23.50		25.50	1.5
		137	68		23.72		25.50	1.5
		135	138		23.50		25.50	1.5
		273	0		22.22		24.00	3.0
	16-QAM	1	1		23.22		25.00	2.0
	64QAM	1	1		21.70		23.50	3.5
	256-QAM	1	1		18.55		20.50	6.5
5G NR n77 & n78_PC2_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3495	3499.995	3504.99		
Channel				633000	633333	633666		
90	Pi/2 BPSK	1	0	23.56	23.60	23.51	25.50	1.5
5G NR n77 & n78_PC2_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3490.005	3499.995	3510		
Channel				632667	633333	634000		
80	Pi/2 BPSK	1	0	23.63	23.64	23.58	25.50	1.5
5G NR n77 & n78_PC2_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3480	3499.995	3519.99		
Channel				632000	633333	634666		
60	Pi/2 BPSK	1	0	23.68	23.71	23.60	25.50	1.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77 & n78_PC2_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3475.005	3499.995	3525		
Channel				631667	633333	635000		
50	Pi/2 BPSK	1	0	23.54	23.58	23.50	25.50	1.5
5G NR n77 & n78_PC2_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3470.01	3499.995	3529.995		
Channel				631334	633333	635333		
40	Pi/2 BPSK	1	0	23.59	23.63	23.50	25.50	1.5
5G NR n77 & n78_PC2_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3460.005	3499.995	3540		
Channel				630667	633333	636000		
20	Pi/2 BPSK	1	0	23.51	23.58	23.58	25.50	1.5
5G NR n77 & n78_PC2_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3457.5	3499.995	3542.49		
Channel				630500	633333	636166		
15	Pi/2 BPSK	1	0	23.51	23.54	23.50	25.50	1.5
5G NR n77 & n78_PC2_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3455.01	3499.995	3544.995		
Channel				630334	633333	636333		
10	Pi/2 BPSK	1	0	23.57	23.64	23.59	25.50	1.5

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

5G NR n78_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					3750			
Channel					650000			
100	CP-OFDM QPSK	1	0		22.11		22.50	1.5
		1	137		21.94		22.50	1.5
		1	272		22.00		22.50	1.5
		135	0		21.53		22.50	1.5
		137	68		22.02		22.50	1.5
		135	138		21.56		22.50	1.5
		273	0		20.59		21.00	3.0
	16-QAM	1	1		21.45		22.00	2.0
	64QAM	1	1		19.90		20.50	3.5
	256-QAM	1	1		16.73		17.50	6.5
5G NR n78_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3744.99	3750	3755.01		
Channel				649666	650000	650334		
90	CP-OFDM QPSK	1	0	21.96	22.02	21.86	22.50	1.5
5G NR n78_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3740.01	3750	3759.99		
Channel				649334	650000	650666		
80	CP-OFDM QPSK	1	0	22.03	22.06	21.92	22.50	1.5
5G NR n78_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3729.99	3750	3770.01		
Channel				648666	650000	651334		
60	CP-OFDM QPSK	1	0	22.02	22.07	21.95	22.50	1.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n78_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3725.01	3750	3774.99		
Channel				648334	650000	651666		
50	CP-OFDM QPSK	1	0	21.88	21.93	21.76	22.50	1.5
5G NR n78_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3720	3750	3780		
Channel				648000	650000	652000		
40	CP-OFDM QPSK	1	0	21.91	21.95	21.76	22.50	1.5
5G NR n78_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3710.01	3750	3789.99		
Channel				647334	650000	652666		
20	CP-OFDM QPSK	1	0	21.92	21.94	21.75	22.50	1.5
5G NR n78_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3707.49	3750	3792.51		
Channel				647166	650000	652834		
15	CP-OFDM QPSK	1	0	22.01	22.07	21.87	22.50	1.5
5G NR n78_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3705	3750	3795		
Channel				647000	650000	653000		
10	CP-OFDM QPSK	1	0	21.91	21.95	21.85	22.50	1.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n78_PC2_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					3750			
Channel					650000			
100	CP-OFDM QPSK	1	0		23.87		25.50	1.5
		1	137		23.81		25.50	1.5
		1	272		23.83		25.50	1.5
		135	0		23.52		25.50	1.5
		137	68		23.84		25.50	1.5
		135	138		23.50		25.50	1.5
		273	0		22.06		24.00	3.0
	16-QAM	1	1		23.17		25.00	2.0
	64QAM	1	1		21.60		23.50	3.5
	256-QAM	1	1		18.50		20.50	6.5
5G NR n78_PC2_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3744.99	3750	3755.01		
Channel				649666	650000	650334		
90	CP-OFDM QPSK	1	0	23.76	23.81	23.67	25.50	1.5
5G NR n78_PC2_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3740.01	3750	3759.99		
Channel				649334	650000	650666		
80	CP-OFDM QPSK	1	0	23.86	23.86	23.78	25.50	1.5
5G NR n78_PC2_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3729.99	3750	3770.01		
Channel				648666	650000	651334		
60	CP-OFDM QPSK	1	0	23.60	23.67	23.64	25.50	1.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n78_PC2_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3725.01	3750	3774.99		
Channel				648334	650000	651666		
50	CP-OFDM QPSK	1	0	23.69	23.74	23.56	25.50	1.5
5G NR n78_PC2_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3720	3750	3780		
Channel				648000	650000	652000		
40	CP-OFDM QPSK	1	0	23.72	23.77	23.63	25.50	1.5
5G NR n78_PC2_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3710.01	3750	3789.99		
Channel				647334	650000	652666		
20	CP-OFDM QPSK	1	0	23.64	23.71	23.52	25.50	1.5
5G NR n78_PC2_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3707.49	3750	3792.51		
Channel				647166	650000	652834		
15	CP-OFDM QPSK	1	0	23.72	23.82	23.62	25.50	1.5
5G NR n78_PC2_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3705	3750	3795		
Channel				647000	650000	653000		
10	CP-OFDM QPSK	1	0	23.84	23.85	23.80	25.50	1.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

MIMO 2

5G NR n41_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2546.01	2592.99	2640		
Channel				509202	518598	528000		
100	CP-OFDM QPSK	1	0	22.35	21.98	21.63	22.50	1.5
		1	137	22.25	22.22	22.19	22.50	1.5
		1	272	22.16	22.19	22.31	22.50	1.5
		135	0	21.75	21.69	21.74	22.50	1.5
		137	68	22.27	22.16	22.19	22.50	1.5
		135	138	21.70	21.78	21.62	22.50	1.5
		273	0	20.19	20.20	20.16	21.00	3.0
	16-QAM	1	1	21.93	21.50	21.15	22.00	2.0
	64QAM	1	1	20.45	20.09	19.68	20.50	3.5
	256-QAM	1	1	17.47	17.09	16.71	17.50	6.5
5G NR n41_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2541	2592.99	2644.98		
Channel				508200	518598	528996		
90	CP-OFDM QPSK	1	0	22.34	21.80	21.43	22.50	1.5
5G NR n41_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
Channel				507204	518598	529998		
80	CP-OFDM QPSK	1	0	22.26	21.87	21.45	22.50	1.5
5G NR n41_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2526	2592.99	2659.98		
Channel				505200	518598	531996		
60	CP-OFDM QPSK	1	0	22.16	21.85	21.55	22.50	1.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n41_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)		MPR Allowed per 3GPP(dB)	
Frequency (MHz)				2521.02	2592.99	2664.99				
Channel				504204	518598	532998				
50	CP-OFDM QPSK	1	0	22.22	21.81	21.53	22.50	1.5		
5G NR n41_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)		MPR Allowed per 3GPP(dB)	
Frequency (MHz)				2516.01	2592.99	2670				
Channel				503202	518598	534000				
40	CP-OFDM QPSK	1	0	22.32	21.88	21.60	22.50	1.5		
5G NR n41_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)		MPR Allowed per 3GPP(dB)	
Frequency (MHz)				2506.02	2592.99	2679.99				
Channel				501204	518598	535998				
20	CP-OFDM QPSK	1	0	22.20	21.89	21.60	22.50	1.5		
5G NR n77_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	
Frequency (MHz)				3750	3795	3840	3885	3930		
Channel				650000	653000	656000	659000	662000		
100	CP-OFDM QPSK	1	0	15.35	15.23	15.30	15.16	15.16	15.50	1.5
		1	137	15.16	15.20	15.17	14.99	15.12	15.50	1.5
		1	272	15.21	15.21	15.08	15.06	15.06	15.50	1.5
		135	0	14.74	14.75	14.71	14.64	14.75	15.50	1.5
		137	68	15.27	15.06	15.11	15.10	15.02	15.50	1.5
		135	138	14.81	14.70	14.80	14.65	14.69	15.50	1.5
		273	0	13.79	13.77	13.73	13.68	13.61	14.00	3.0
	16-QAM	1	1	14.73	14.59	14.60	14.54	14.46	15.00	2.0
	64QAM	1	1	13.17	13.08	13.09	12.95	12.90	13.50	3.5
	256-QAM	1	1	10.07	9.96	9.91	9.78	9.78	10.50	6.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3744.99	3792.51	3840	3887.49	3935.01		
Channel				649666	652834	656000	659166	662334		
90	CP-OFDM QPSK	1	0	15.33	15.17	15.24	15.16	14.97	15.50	1.5
5G NR n77_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3740.01	3789.99	3840	3890.01	3939.99		
Channel				649334	652666	656000	659334	662666		
80	CP-OFDM QPSK	1	0	15.34	15.12	15.12	15.05	15.07	15.50	1.5
5G NR n77_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3729.99	3785.01	3840	3894.99	3950.01		
Channel				648666	652334	656000	659666	663334		
60	CP-OFDM QPSK	1	0	15.32	15.22	15.22	15.06	15.13	15.50	1.5
5G NR n77_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3725.01	3782.49	3840	3897.51	3954.99		
Channel				648334	652166	656000	659834	663666		
50	CP-OFDM QPSK	1	0	15.17	15.14	15.24	15.03	15.03	15.50	1.5
5G NR n77_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3720	3780	3840	3900	3960		
Channel				648000	652000	656000	660000	664000		
40	CP-OFDM QPSK	1	0	15.28	15.05	15.29	15.15	15.14	15.50	1.5
5G NR n77_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3710.01	3774.99	3840	3903.99	3969.99		
Channel				647334	651666	656000	660266	664666		
20	CP-OFDM QPSK	1	0	15.15	15.23	15.12	15.08	15.02	15.50	1.5

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

5G NR n77_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3840				
Channel						656000				
15	CP-OFDM QPSK	1	0			15.21			15.50	1.5
5G NR n77_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3840				
Channel						656000				
10	CP-OFDM QPSK	1	0			15.21			15.50	1.5
5G NR n77_PC2_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3750	3795	3840	3885	3930		
Channel				650000	653000	656000	659000	662000		
100	CP-OFDM QPSK	1	0	17.34	17.34	17.22	17.29	17.17	17.50	1.5
		1	137	17.24	17.24	17.04	17.23	17.05	17.50	1.5
		1	272	17.33	17.16	17.19	17.07	17.08	17.50	1.5
		135	0	16.79	16.74	16.74	16.64	16.68	17.50	1.5
		137	68	17.27	17.04	17.08	17.14	17.09	17.50	1.5
		135	138	16.87	16.78	16.78	16.74	16.67	17.50	1.5
		273	0	15.84	15.85	15.76	15.74	15.65	16.00	3.0
	16-QAM	1	1	16.71	16.70	16.59	16.62	16.56	17.00	2.0
	64QAM	1	1	15.14	15.20	15.07	15.07	15.02	15.50	3.5
	256-QAM	1	1	11.99	12.08	11.88	11.94	11.86	12.50	6.5
5G NR n77_PC2_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3744.99	3792.51	3840	3887.49	3935.01		
Channel				649666	652834	656000	659166	662334		
90	CP-OFDM QPSK	1	0	17.20	17.19	17.19	17.09	17.06	17.50	1.5
5G NR n77_PC2_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3740.01	3789.99	3840	3890.01	3939.99		
Channel				649334	652666	656000	659334	662666		
80	CP-OFDM QPSK	1	0	17.19	17.30	17.09	17.11	17.17	17.50	1.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77_PC2_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3729.99	3785.01	3840	3894.99	3950.01		
Channel				648666	652334	656000	659666	663334		
60	CP-OFDM QPSK	1	0	17.20	17.25	17.13	17.17	17.14	17.50	1.5
5G NR n77_PC2_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3725.01	3782.49	3840	3897.51	3954.99		
Channel				648334	652166	656000	659834	663666		
50	CP-OFDM QPSK	1	0	17.32	17.33	17.22	17.09	17.08	17.50	1.5
5G NR n77_PC2_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3720	3780	3840	3900	3960		
Channel				648000	652000	656000	660000	664000		
40	CP-OFDM QPSK	1	0	17.16	17.20	17.09	17.11	17.17	17.50	1.5
5G NR n77_PC2_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3710.01	3774.99	3840	3903.99	3969.99		
Channel				647334	651666	656000	660266	664666		
20	CP-OFDM QPSK	1	0	17.27	17.14	17.04	17.11	17.00	17.50	1.5
5G NR n77_PC2_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3840				
Channel						656000				
15	CP-OFDM QPSK	1	0			17.20			17.50	1.5
5G NR n77_PC2_30kHz_ULMIMO										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)						3840				
Channel						656000				
10	CP-OFDM QPSK	1	0			17.17			17.50	1.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77 & n78_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					3499.995			
Channel					633333			
100	CP-OFDM QPSK	1	0		18.81		19.00	1.5
		1	137		18.71		19.00	1.5
		1	272		18.71		19.00	1.5
		135	0		18.30		19.00	1.5
		137	68		18.77		19.00	1.5
		135	138		18.29		19.00	1.5
		273	0		17.28		17.50	3.0
	16-QAM	1	1		18.21		18.50	2.0
	64QAM	1	1		16.65		17.00	3.5
	256-QAM	1	1		13.55		14.00	6.5
5G NR n77 & n78_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3495	3499.995	3504.99		
Channel				633000	633333	633666		
90	CP-OFDM QPSK	1	0	18.70	18.72	18.61	19.00	1.5
5G NR n77 & n78_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3490.005	3499.995	3510		
Channel				632667	633333	634000		
80	CP-OFDM QPSK	1	0	18.61	18.66	18.58	19.00	1.5
5G NR n77 & n78_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3480	3499.995	3519.99		
Channel				632000	633333	634666		
60	CP-OFDM QPSK	1	0	18.58	18.65	18.60	19.00	1.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77 & n78_30kHz_FCC_ULMIMO

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3475.005	3499.995	3525		
Channel				631667	633333	635000		
50	CP-OFDM QPSK	1	0	18.72	18.79	18.60	19.00	1.5

5G NR n77 & n78_30kHz_FCC_ULMIMO

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3470.01	3499.995	3529.995		
Channel				631334	633333	635333		
40	CP-OFDM QPSK	1	0	18.71	18.73	18.59	19.00	1.5

5G NR n77 & n78_30kHz_FCC_ULMIMO

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3460.005	3499.995	3540		
Channel				630667	633333	636000		
20	CP-OFDM QPSK	1	0	18.77	18.77	18.67	19.00	1.5

5G NR n77 & n78_30kHz_FCC_ULMIMO

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3457.5	3499.995	3542.49		
Channel				630500	633333	636166		
15	CP-OFDM QPSK	1	0	18.72	18.77	18.61	19.00	1.5

5G NR n77 & n78_30kHz_FCC_ULMIMO

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3455.01	3499.995	3544.995		
Channel				630334	633333	636333		
10	CP-OFDM QPSK	1	0	18.70	18.74	18.68	19.00	1.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77 & n78_PC2_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					3499.995			
Channel					633333			
100	Pi/2 BPSK	1	0		20.28		20.50	1.5
		1	137		20.07		20.50	1.5
		1	272		20.15		20.50	1.5
		135	0		19.85		20.50	1.5
		137	68		20.13		20.50	1.5
		135	138		19.70		20.50	1.5
		273	0		18.72		19.00	3.0
	16-QAM	1	1		19.58		20.00	2.0
	64QAM	1	1		18.08		18.50	3.5
	256-QAM	1	1		14.90		15.50	6.5
5G NR n77 & n78_PC2_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3495	3499.995	3504.99		
Channel				633000	633333	633666		
90	Pi/2 BPSK	1	0	20.15	20.16	20.10	20.50	1.5
5G NR n77 & n78_PC2_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3490.005	3499.995	3510		
Channel				632667	633333	634000		
80	Pi/2 BPSK	1	0	20.09	20.10	20.10	20.50	1.5
5G NR n77 & n78_PC2_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3480	3499.995	3519.99		
Channel				632000	633333	634666		
60	Pi/2 BPSK	1	0	20.13	20.22	20.09	20.50	1.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n77 & n78_PC2_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3475.005	3499.995	3525		
Channel				631667	633333	635000		
50	Pi/2 BPSK	1	0	20.07	20.09	19.98	20.50	1.5
5G NR n77 & n78_PC2_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3470.01	3499.995	3529.995		
Channel				631334	633333	635333		
40	Pi/2 BPSK	1	0	20.02	20.08	20.02	20.50	1.5
5G NR n77 & n78_PC2_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3460.005	3499.995	3540		
Channel				630667	633333	636000		
20	Pi/2 BPSK	1	0	20.12	20.22	20.22	20.50	1.5
5G NR n77 & n78_PC2_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3457.5	3499.995	3542.49		
Channel				630500	633333	636166		
15	Pi/2 BPSK	1	0	20.04	20.10	20.03	20.50	1.5
5G NR n77 & n78_PC2_30kHz_FCC_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3455.01	3499.995	3544.995		
Channel				630334	633333	636333		
10	Pi/2 BPSK	1	0	20.06	20.12	20.06	20.50	1.5

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

5G NR n78_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					3750			
Channel					650000			
100	CP-OFDM QPSK	1	0		16.35		16.50	1.5
		1	137		16.18		16.50	1.5
		1	272		16.21		16.50	1.5
		135	0		15.74		16.50	1.5
		137	68		16.14		16.50	1.5
		135	138		15.76		16.50	1.5
		273	0		14.80		15.00	3.0
	16-QAM	1	1		15.70		16.00	2.0
	64QAM	1	1		14.11		14.50	3.5
	256-QAM	1	1		10.99		11.50	6.5
5G NR n78_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3744.99	3750	3755.01		
Channel				649666	650000	650334		
90	CP-OFDM QPSK	1	0	16.23	16.29	16.14	16.50	1.5
5G NR n78_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3740.01	3750	3759.99		
Channel				649334	650000	650666		
80	CP-OFDM QPSK	1	0	16.27	16.27	16.23	16.50	1.5
5G NR n78_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3729.99	3750	3770.01		
Channel				648666	650000	651334		
60	CP-OFDM QPSK	1	0	16.24	16.25	16.15	16.50	1.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n78_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3725.01	3750	3774.99		
Channel				648334	650000	651666		
50	CP-OFDM QPSK	1	0	16.28	16.28	16.15	16.50	1.5
5G NR n78_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3720	3750	3780		
Channel				648000	650000	652000		
40	CP-OFDM QPSK	1	0	16.34	16.34	16.30	16.50	1.5
5G NR n78_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3710.01	3750	3789.99		
Channel				647334	650000	652666		
20	CP-OFDM QPSK	1	0	16.28	16.32	16.30	16.50	1.5
5G NR n78_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3707.49	3750	3792.51		
Channel				647166	650000	652834		
15	CP-OFDM QPSK	1	0	16.17	16.21	16.21	16.50	1.5
5G NR n78_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3705	3750	3795		
Channel				647000	650000	653000		
10	CP-OFDM QPSK	1	0	16.25	16.33	16.19	16.50	1.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n78_PC2_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					3750			
Channel					650000			
100	CP-OFDM QPSK	1	0		18.25		18.50	1.5
		1	137		18.26		18.50	1.5
		1	272		18.16		18.50	1.5
		135	0		17.86		18.50	1.5
		137	68		18.15		18.50	1.5
		135	138		17.79		18.50	1.5
		273	0		16.71		17.00	3.0
	16-QAM	1	1		17.59		18.00	2.0
	64QAM	1	1		16.03		16.50	3.5
	256-QAM	1	1		12.85		13.50	6.5
5G NR n78_PC2_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3744.99	3750	3755.01		
Channel				649666	650000	650334		
90	CP-OFDM QPSK	1	0	18.13	18.14	17.99	18.50	1.5
5G NR n78_PC2_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3740.01	3750	3759.99		
Channel				649334	650000	650666		
80	CP-OFDM QPSK	1	0	17.97	18.06	18.00	18.50	1.5
5G NR n78_PC2_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3729.99	3750	3770.01		
Channel				648666	650000	651334		
60	CP-OFDM QPSK	1	0	18.14	18.22	18.11	18.50	1.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

5G NR n78_PC2_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3725.01	3750	3774.99		
Channel				648334	650000	651666		
50	CP-OFDM QPSK	1	0	18.07	18.11	18.03	18.50	1.5
5G NR n78_PC2_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3720	3750	3780		
Channel				648000	650000	652000		
40	CP-OFDM QPSK	1	0	18.07	18.07	17.93	18.50	1.5
5G NR n78_PC2_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3710.01	3750	3789.99		
Channel				647334	650000	652666		
20	CP-OFDM QPSK	1	0	18.14	18.22	18.02	18.50	1.5
5G NR n78_PC2_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3707.49	3750	3792.51		
Channel				647166	650000	652834		
15	CP-OFDM QPSK	1	0	18.18	18.21	18.10	18.50	1.5
5G NR n78_PC2_30kHz_ULMIMO								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3705	3750	3795		
Channel				647000	650000	653000		
10	CP-OFDM QPSK	1	0	18.04	18.08	17.88	18.50	1.5

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

6 SUMMARY OF RESULTS

6.1 Decision rules

Reported measurement data comply with Test Methodology in section 1.1.

Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

6.2 Summary of SAR Results

Main

Band	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		ID
								Measured	Reported	
WCDMA Band V	Bottom of Laptop	0	4132	826.4	24.5	23.36	130.02%	0.626	0.814	-
WCDMA Band V	Bottom of Laptop	0	4183	836.6	24.5	23.46	127.06%	0.691	0.878	001
WCDMA Band V	Bottom of Laptop	0	4233	846.6	24.5	23.42	128.23%	0.651	0.835	-
WCDMA Band V	Bottom of Laptop**	0	4183	836.6	24.5	23.46	127.06%	0.584	0.742	-

Band	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		ID
												Measured	Reported	
LTE Band 5	10MHz	QPSK	1	0	Bottom of Laptop	0	20450	829	24.00	23.98	100.46%	0.682	0.685	002
LTE Band 5			1	0	Bottom of Laptop	0	20525	836.5	24.00	23.96	100.93%	0.665	0.671	-
LTE Band 5			1	0	Bottom of Laptop	0	20600	844	24.00	23.92	101.86%	0.638	0.650	-
LTE Band 5			25	25	Bottom of Laptop	0	20525	836.5	23.00	22.93	101.62%	0.530	0.539	-
LTE Band 5			1	0	Bottom of Laptop**	0	20450	829	24.00	23.98	100.46%	0.566	0.569	-
CA_5B			1/1	49/0	Bottom of Laptop	0	20476/20575	831.6/841.5	24.00	23.92	101.86%	0.670	0.682	-
LTE Band 12	10MHz	QPSK	1	0	Bottom of Laptop	0	23060	704	24.00	23.93	101.62%	0.676	0.687	003
LTE Band 12			1	0	Bottom of Laptop	0	23095	707.5	24.00	23.97	100.69%	0.652	0.657	-
LTE Band 12			1	0	Bottom of Laptop	0	23130	711	24.00	23.95	101.16%	0.638	0.645	-
LTE Band 12			25	0	Bottom of Laptop	0	23130	711	23.00	22.87	103.04%	0.501	0.516	-
LTE Band 12			1	0	Bottom of Laptop**	0	23060	704	24.00	23.93	101.62%	0.561	0.570	-
LTE Band 13	10MHz	QPSK	1	0	Bottom of Laptop	0	23230	782	24.00	23.95	101.16%	1.080	1.093	004
LTE Band 13			25	25	Bottom of Laptop	0	23230	782	23.00	22.93	101.62%	0.862	0.876	-
LTE Band 13			50RB		Bottom of Laptop	0	23230	782	23.00	22.92	101.86%	0.838	0.854	-
LTE Band 13			1	0	Bottom of Laptop*	0	23230	782	24.00	23.95	101.16%	1.060	1.072	-
LTE Band 13			1	0	Bottom of Laptop**	0	23230	782	24.00	23.95	101.16%	0.914	0.925	-
LTE Band 14	10MHz	QPSK	1	0	Bottom of Laptop	0	23330	793	24.00	23.97	100.69%	1.060	1.067	005
LTE Band 14			25	0	Bottom of Laptop	0	23330	793	23.00	22.97	100.69%	0.850	0.856	-
LTE Band 14			50RB		Bottom of Laptop	0	23330	793	23.00	22.96	100.93%	0.824	0.832	-
LTE Band 14			1	0	Bottom of Laptop*	0	23330	793	24.00	23.97	100.69%	1.050	1.057	-
LTE Band 14			1	0	Bottom of Laptop**	0	23330	793	24.00	23.97	100.69%	0.893	0.899	-
LTE Band 17	10MHz	QPSK	1	0	Bottom of Laptop	0	23780	709	24.00	23.89	102.57%	0.557	0.571	-
LTE Band 17			1	0	Bottom of Laptop	0	23790	710	24.00	23.99	100.23%	0.580	0.581	-
LTE Band 17			1	0	Bottom of Laptop	0	23800	711	24.00	23.98	100.46%	0.603	0.606	006
LTE Band 17			25	0	Bottom of Laptop	0	23800	711	23.00	22.88	102.80%	0.462	0.475	-
LTE Band 17			1	0	Bottom of Laptop**	0	23800	711	24.00	23.98	100.46%	0.523	0.525	-
LTE Band 26_FCC	15MHz	QPSK	1	0	Bottom of Laptop	0	26765	821.5	24.00	23.97	100.69%	0.608	0.612	-
LTE Band 26_FCC			1	36	Bottom of Laptop	0	26865	831.5	24.00	23.90	102.33%	0.624	0.639	007
LTE Band 26_FCC			1	74	Bottom of Laptop	0	26965	841.5	24.00	23.94	101.39%	0.575	0.583	-
LTE Band 26_FCC			36	37	Bottom of Laptop	0	26765	821.5	23.00	22.97	100.69%	0.481	0.484	-
LTE Band 26_FCC			1	36	Bottom of Laptop**	0	26865	831.5	24.00	23.90	102.33%	0.537	0.550	-
LTE Band 71	20MHz	QPSK	1	0	Bottom of Laptop	0	133222	673	24.00	23.88	102.80%	0.926	0.952	-
LTE Band 71			1	50	Bottom of Laptop	0	133297	680.5	24.00	23.79	104.95%	0.941	0.988	-
LTE Band 71			1	0	Bottom of Laptop	0	133372	688	24.00	23.90	102.33%	1.010	1.034	009
LTE Band 71			50	25	Bottom of Laptop	0	133222	673	23.00	22.83	103.99%	0.808	0.840	-
LTE Band 71			100RB		Bottom of Laptop	0	133372	688	23.00	22.78	105.20%	0.826	0.869	-
LTE Band 71			1	0	Bottom of Laptop*	0	133372	688	24.00	23.90	102.33%	0.995	1.018	-
LTE Band 71			1	0	Bottom of Laptop**	0	133372	688	24.00	23.90	102.33%	0.947	0.969	-
LTE Band 41_PC3	20MHz	QPSK	1	0	Bottom of Laptop	0	39750	2506	20.00	19.95	101.16%	0.350	0.354	-
LTE Band 41_PC3			1	0	Bottom of Laptop	0	40185	2549.5	20.00	19.85	103.51%	0.379	0.392	-
LTE Band 41_PC3			1	0	Bottom of Laptop	0	40620	2593	20.00	19.93	101.62%	0.406	0.413	-
LTE Band 41_PC3			1	0	Bottom of Laptop	0	41055	2636.5	20.00	19.97	100.69%	0.476	0.479	010
LTE Band 41_PC3			1	0	Bottom of Laptop	0	41490	2680	20.00	19.88	102.80%	0.442	0.454	-
LTE Band 41_PC3			50	50	Bottom of Laptop	0	41055	2636.5	19.00	18.89	102.57%	0.357	0.366	-
LTE Band 41_PC3			1	0	Bottom of Laptop	19	41055	2636.5	24.00	22.63	137.09%	0.322	0.441	-
LTE Band 41_PC3			50	50	Bottom of Laptop	19	40620	2593	23.00	21.63	137.09%	0.250	0.343	-
LTE Band 41_PC3			1	0	Bottom of Laptop**	0	41055	2636.5	20.00	19.97	100.69%	0.416	0.419	-
CA_41C			1/1	99/0	Bottom of Laptop	0	40521/40719	2583.1/2602.9	20.00	19.91	102.09%	0.455	0.465	-
LTE Band 48	20MHz	QPSK	1	0	Bottom of Laptop	0	55340	3560	22.00	21.46	113.24%	0.407	0.461	-
LTE Band 48			1	0	Bottom of Laptop	0	55830	3609	22.00	21.31	117.22%	0.426	0.499	-
LTE Band 48			1	0	Bottom of Laptop	0	56150	3641	22.00	21.28	118.03%	0.473	0.558	012
LTE Band 48			1	0	Bottom of Laptop	0	56640	3690	22.00	21.42	114.29%	0.457	0.522	-
LTE Band 48			50	0	Bottom of Laptop	0	56640	3690	21.00	19.61	137.72%	0.254	0.350	-
LTE Band 48			1	0	Bottom of Laptop**	0	56150	3641	22.00	21.28	118.03%	0.426	0.503	-
CA_48C			1/1	99/0	Bottom of Laptop	0	55891/56089	3615.1/3634.9	22.00	21.26	118.58%	0.398	0.472	-

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		ID
												Measured	Reported	
NR n2	20MHz	SCS 15kHz P/2 BPSK	1	1	Bottom of Laptop	0	372000	1860	19.50	19.33	103.99%	0.702	0.730	013
NR n2			1	1	Bottom of Laptop	0	376000	1880	19.50	19.43	101.62%	0.688	0.699	-
NR n2			1	1	Bottom of Laptop	0	380000	1900	19.50	19.46	100.93%	0.663	0.669	-
NR n2			50	28	Bottom of Laptop	0	380000	1900	19.50	19.41	102.09%	0.625	0.638	-
NR n2			1	53	Bottom of Laptop	19	372000	1860	24.00	23.79	104.95%	0.261	0.274	-
NR n2			50	28	Bottom of Laptop	19	376000	1880	24.00	23.76	105.68%	0.228	0.241	-
NR n2			1	1	Bottom of Laptop*	0	372000	1860	19.50	19.33	103.99%	0.694	0.722	-
NR n2			1	1	Bottom of Laptop**	0	372000	1860	19.50	19.33	103.99%	0.626	0.651	-
NR n5	20MHz	SCS 15kHz P/2 BPSK	1	1	Bottom of Laptop	0	166800	834	24.00	23.71	106.91%	0.597	0.638	014
NR n5			1	1	Bottom of Laptop	0	167300	836.5	24.00	23.74	106.17%	0.521	0.553	-
NR n5			1	1	Bottom of Laptop	0	167800	839	24.00	23.72	106.66%	0.486	0.518	-
NR n5			50	28	Bottom of Laptop	0	166800	834	24.00	23.62	109.14%	0.483	0.527	-
NR n5			50	28	Bottom of Laptop	0	167300	836.5	24.00	23.62	109.14%	0.441	0.481	-
NR n5			1	1	Bottom of Laptop**	0	167300	836.5	24.00	23.74	106.17%	0.553	0.587	-
NR n12	15MHz	SCS 15kHz P/2 BPSK	1	1	Bottom of Laptop	0	141300	706.5	24.00	23.99	100.23%	0.815	0.817	015
NR n12			1	1	Bottom of Laptop	0	141500	707.5	24.00	23.97	100.69%	0.784	0.789	-
NR n12			1	1	Bottom of Laptop	0	141700	708.5	24.00	23.98	100.46%	0.766	0.770	-
NR n12			36	22	Bottom of Laptop	0	141700	708.5	24.00	23.90	102.33%	0.739	0.756	-
NR n12			75	0	Bottom of Laptop	0	141300	706.5	23.50	23.35	103.51%	0.674	0.698	-
NR n12			1	1	Bottom of Laptop*	0	141300	706.5	24.00	23.99	100.23%	0.812	0.814	-
NR n12			1	1	Bottom of Laptop**	0	141300	706.5	24.00	23.99	100.23%	0.753	0.755	-
NR n14	10MHz	SCS 15kHz P/2 BPSK	1	1	Bottom of Laptop	0	158600	793	24.00	23.99	100.23%	1.130	1.133	016
NR n14			25	13	Bottom of Laptop	0	158600	793	24.00	23.91	102.09%	1.020	1.041	-
NR n14			50	0	Bottom of Laptop	0	158600	793	23.50	23.43	101.62%	0.996	1.012	-
NR n14			1	1	Bottom of Laptop*	0	158600	793	24.00	23.99	100.23%	1.110	1.113	-
NR n14			1	1	Bottom of Laptop**	0	158600	793	24.00	23.99	100.23%	0.983	0.985	-
NR n25	20MHz	SCS 15kHz P/2 BPSK	1	1	Bottom of Laptop	0	372000	1860	19.00	18.73	106.41%	0.685	0.729	017
NR n25			1	1	Bottom of Laptop	0	376500	1882.5	19.00	18.82	104.23%	0.657	0.685	-
NR n25			1	1	Bottom of Laptop	0	381000	1905	19.00	18.96	100.93%	0.628	0.634	-
NR n25			50	28	Bottom of Laptop	0	381000	1905	19.00	18.86	103.28%	0.596	0.616	-
NR n25			1	53	Bottom of Laptop	19	372000	1860	24.00	23.47	112.98%	0.283	0.320	-
NR n25			50	28	Bottom of Laptop	19	372000	1860	24.00	23.45	113.50%	0.164	0.186	-
NR n25			1	1	Bottom of Laptop*	0	372000	1860	19.00	18.73	106.41%	0.680	0.724	-
NR n25			1	1	Bottom of Laptop**	0	372000	1860	19.00	18.73	106.41%	0.619	0.659	-
NR n26			1	1	Bottom of Laptop	0	164800	824	24.00	23.65	108.39%	0.584	0.633	-
NR n26	20MHz	SCS 15kHz P/2 BPSK	1	1	Bottom of Laptop	0	166300	831.5	24.00	23.56	110.66%	0.623	0.689	018
NR n26			1	1	Bottom of Laptop	0	167800	839	24.00	23.53	111.43%	0.607	0.676	-
NR n26			50	28	Bottom of Laptop	0	164800	824	24.00	23.51	111.94%	0.553	0.619	-
NR n26			1	1	Bottom of Laptop**	0	164800	824	24.00	23.65	108.39%	0.572	0.620	-
NR n71	20MHz	SCS 15kHz P/2 BPSK	1	1	Bottom of Laptop	0	134600	673	24.00	23.98	100.46%	0.651	0.654	-
NR n71			1	1	Bottom of Laptop	0	136100	680.5	24.00	23.99	100.23%	0.626	0.627	-
NR n71			1	1	Bottom of Laptop	0	137600	688	24.00	23.97	100.69%	0.701	0.706	019
NR n71			50	28	Bottom of Laptop	0	134600	673	24.00	23.90	102.33%	0.524	0.536	-
NR n71			1	1	Bottom of Laptop**	0	137600	688	24.00	23.97	100.69%	0.593	0.597	-
NR n41_PC3	100MHz	SCS 30kHz P/2 BPSK	1	1	Bottom of Laptop	0	509202	2546.01	19.50	19.45	101.16%	0.483	0.489	-
NR n41_PC3			1	1	Bottom of Laptop	0	518598	2592.99	19.50	19.47	100.69%	0.518	0.522	-
NR n41_PC3			1	1	Bottom of Laptop	0	528000	2640	19.50	19.37	103.04%	0.532	0.548	020
NR n41_PC3			135	69	Bottom of Laptop	0	518598	2592.99	19.50	19.43	101.62%	0.465	0.473	-
NR n41_PC3			1	1	Bottom of Laptop	19	528000	2640	24.00	23.67	107.89%	0.224	0.242	-
NR n41_PC3			135	69	Bottom of Laptop	19	518598	2592.99	24.00	23.83	103.99%	0.186	0.193	-
NR n41_PC3			1	1	Bottom of Laptop**	0	528000	2640	19.50	19.37	103.04%	0.466	0.480	-
NR n48	40MHz	SCS 30kHz P/2 BPSK	1	1	Bottom of Laptop	0	638000	3570	22.00	21.77	105.44%	0.569	0.600	-
NR n48			1	1	Bottom of Laptop	0	641668	3625.02	22.00	21.67	107.89%	0.719	0.776	021
NR n48			1	1	Bottom of Laptop	0	645332	3679.98	22.00	21.28	118.03%	0.628	0.741	-
NR n48			50	28	Bottom of Laptop	0	638000	3570	22.00	21.61	109.40%	0.524	0.573	-
NR n48			1	1	Bottom of Laptop**	0	641668	3625.02	22.00	21.67	107.89%	0.587	0.633	-

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

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

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

NR n77_PC3	100MHz	SCS 30kHz Pi/2 BPSK	1	1	Bottom of Laptop	0	650000	3750	24.00	23.92	101.86%	0.868	0.884	-
NR n77_PC3			1	271	Bottom of Laptop	0	653000	3795	24.00	23.86	103.28%	0.921	0.951	-
NR n77_PC3			1	137	Bottom of Laptop	0	656000	3840	24.00	23.90	102.33%	0.964	0.986	-
NR n77_PC3			1	271	Bottom of Laptop	0	659000	3885	24.00	23.91	102.09%	1.170	1.194	022
NR n77_PC3			1	137	Bottom of Laptop	0	662000	3930	24.00	23.90	102.33%	1.010	1.034	-
NR n77_PC3			135	69	Bottom of Laptop	0	659000	3885	24.00	23.90	102.33%	0.780	0.798	-
NR n77_PC3			270	0	Bottom of Laptop	0	653000	3795	23.50	23.38	102.80%	0.843	0.867	-
NR n77_PC3			1	271	Bottom of Laptop*	0	659000	3885	24.00	23.91	102.09%	1.110	1.133	-
NR n77_PC3			1	271	Bottom of Laptop**	0	659000	3885	24.00	23.91	102.09%	1.030	1.052	-
NR n77_PC2	100MHz	SCS 30kHz Pi/2 BPSK	1	1	Bottom of Laptop	0	650000	3750	20.00	19.95	101.16%	0.305	0.309	-
NR n77_PC2			1	1	Bottom of Laptop	0	653000	3795	20.00	19.97	100.69%	0.338	0.340	-
NR n77_PC2			1	1	Bottom of Laptop	0	656000	3840	20.00	19.96	100.93%	0.364	0.367	-
NR n77_PC2			1	1	Bottom of Laptop	0	659000	3885	20.00	19.91	102.09%	0.430	0.439	023
NR n77_PC2			1	1	Bottom of Laptop	0	662000	3930	20.00	19.85	103.51%	0.391	0.405	-
NR n77_PC2			135	69	Bottom of Laptop	0	656000	3840	20.00	19.90	102.33%	0.322	0.330	-
NR n77_PC2			1	1	Bottom of Laptop	19	659000	3885	27.00	25.17	152.41%	0.227	0.346	-
NR n77_PC2			135	69	Bottom of Laptop	19	656000	3840	27.00	25.31	147.57%	0.193	0.285	-
NR n77_PC2			1	1	Bottom of Laptop**	0	659000	3885	20.00	19.91	102.09%	0.346	0.353	-
NR n77 & n78_PC3_FCC	100MHz	SCS 30kHz Pi/2 BPSK	1	1	Bottom of Laptop	0	633333	3499.995	24.00	23.90	102.33%	0.980	1.003	024
NR n77 & n78_PC3_FCC			135	69	Bottom of Laptop	0	633333	3499.995	24.00	23.89	102.57%	0.921	0.945	-
NR n77 & n78_PC3_FCC			270	0	Bottom of Laptop	0	633333	3499.995	23.50	23.38	102.80%	0.764	0.785	-
NR n77 & n78_PC3_FCC			1	1	Bottom of Laptop*	0	633333	3499.995	24.00	23.90	102.33%	0.966	0.989	-
NR n77 & n78_PC3_FCC			1	1	Bottom of Laptop**	0	633333	3499.995	24.00	23.90	102.33%	0.943	0.965	-
NR n77 & n78_PC2_FCC	100MHz	SCS 30kHz Pi/2 BPSK	1	1	Bottom of Laptop	0	633333	3499.995	18.00	17.86	103.28%	0.231	0.239	025
NR n77 & n78_PC2_FCC			135	69	Bottom of Laptop	0	633333	3499.995	18.00	17.73	106.41%	0.207	0.220	-
NR n77 & n78_PC2_FCC			1	1	Bottom of Laptop	19	633333	3499.995	27.00	25.36	145.88%	0.114	0.166	-
NR n77 & n78_PC2_FCC			135	69	Bottom of Laptop	19	633333	3499.995	27.00	25.00	158.49%	0.092	0.146	-
NR n77 & n78_PC2_FCC			1	1	Bottom of Laptop**	0	633333	3499.995	18.00	17.86	103.28%	0.128	0.132	-
NR n78_PC3	100MHz	SCS 30kHz Pi/2 BPSK	1	1	Bottom of Laptop	0	650000	3750	16.50	16.42	101.86%	0.292	0.297	028
NR n78_PC3			135	69	Bottom of Laptop	0	650000	3750	16.50	16.27	105.44%	0.246	0.259	-
NR n78_PC3			1	1	Bottom of Laptop	19	650000	3750	24.00	23.72	106.66%	0.112	0.119	-
NR n78_PC3			135	69	Bottom of Laptop	19	650000	3750	24.00	23.63	108.89%	0.096	0.105	-
NR n78_PC3			1	1	Bottom of Laptop**	0	650000	3750	16.50	16.42	101.86%	0.198	0.202	-
NR n78_PC2	100MHz	SCS 30kHz Pi/2 BPSK	1	1	Bottom of Laptop	0	650000	3750	18.00	17.97	100.69%	0.327	0.329	029
NR n78_PC2			135	69	Bottom of Laptop	0	650000	3750	18.00	17.90	102.33%	0.288	0.295	-
NR n78_PC2			1	1	Bottom of Laptop	19	650000	3750	27.00	25.17	152.41%	0.114	0.174	-
NR n78_PC2			135	69	Bottom of Laptop	19	650000	3750	27.00	25.06	156.31%	0.098	0.153	-
NR n78_PC2			1	1	Bottom of Laptop**	0	650000	3750	18.00	17.97	100.69%	0.200	0.201	-

Note: * - repeated at the highest SAR measurement according to the KDB 865664 D01

** - INNOWAVE Spot check

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

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

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

Mimo 2

Band	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		ID
								Measured	Reported	
WCDMA Band II	Bottom of Laptop	0	9262	1852.4	24.0	22.97	126.77%	0.808	1.024	030
WCDMA Band II	Bottom of Laptop	0	9400	1880	24.0	23.35	116.14%	0.737	0.856	-
WCDMA Band II	Bottom of Laptop	0	9538	1907.6	24.0	23.56	110.66%	0.753	0.833	-
WCDMA Band II	Bottom of Laptop*	0	9262	1852.4	24.0	22.97	126.77%	0.802	1.017	-
WCDMA Band II	Bottom of Laptop**	0	9262	1852.4	24.0	22.97	126.77%	0.757	0.960	-
WCDMA Band IV	Bottom of Laptop	0	1312	1712.4	23.5	23.36	103.28%	1.020	1.053	031
WCDMA Band IV	Bottom of Laptop	0	1412	1732.4	23.5	23.12	109.14%	0.953	1.040	-
WCDMA Band IV	Bottom of Laptop	0	1513	1752.6	23.5	23.38	102.80%	0.941	0.967	-
WCDMA Band IV	Bottom of Laptop*	0	1312	1712.4	23.5	23.36	103.28%	0.996	1.029	-
WCDMA Band IV	Bottom of Laptop**	0	1312	1712.4	23.5	23.36	103.28%	0.921	0.951	-

Band	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		ID
												Measured	Reported	
LTE Band 2	20MHz	QPSK	1	50	Bottom of Laptop	0	18700	1860	24.00	23.65	108.39%	0.894	0.969	032
LTE Band 2			1	50	Bottom of Laptop	0	18900	1880	24.00	23.62	109.14%	0.868	0.947	-
LTE Band 2			1	0	Bottom of Laptop	0	19100	1900	24.00	23.79	104.95%	0.843	0.885	-
LTE Band 2			50	25	Bottom of Laptop	0	18700	1860	23.00	22.64	108.64%	0.707	0.768	-
LTE Band 2			50	0	Bottom of Laptop	0	18900	1880	23.00	22.64	108.64%	0.683	0.742	-
LTE Band 2			50	50	Bottom of Laptop	0	19100	1900	23.00	22.64	108.64%	0.659	0.716	-
LTE Band 2			100RB		Bottom of Laptop	0	18900	1880	23.00	22.65	108.39%	0.652	0.707	-
LTE Band 2			1	50	Bottom of Laptop*	0	18700	1860	24.00	23.65	108.39%	0.890	0.965	-
LTE Band 2			1	50	Bottom of Laptop**	0	18700	1860	24.00	23.65	108.39%	0.796	0.863	-
LTE Band 2			1	50	Bottom of Laptop**	0	18700	1860	24.00	23.65	108.39%	0.796	0.863	-
LTE Band 4	20MHz	QPSK	1	0	Bottom of Laptop	0	20050	1720	23.50	23.46	100.93%	1.070	1.080	033
LTE Band 4			1	0	Bottom of Laptop	0	20175	1732.5	23.50	23.30	104.71%	0.933	0.977	-
LTE Band 4			1	0	Bottom of Laptop	0	20300	1745	23.50	23.39	102.57%	0.910	0.933	-
LTE Band 4			50	50	Bottom of Laptop	0	20050	1720	22.50	22.41	102.09%	0.780	0.796	-
LTE Band 4			100RB		Bottom of Laptop	0	20050	1720	22.50	22.27	105.44%	0.737	0.777	-
LTE Band 4			1	0	Bottom of Laptop*	0	20050	1720	23.50	23.46	100.93%	1.030	1.040	-
LTE Band 4			1	0	Bottom of Laptop**	0	20050	1720	23.50	23.46	100.93%	0.966	0.975	-
LTE Band 4			1	0	Bottom of Laptop**	0	20050	1720	23.50	23.46	100.93%	0.966	0.975	-
LTE Band 4			1	0	Bottom of Laptop**	0	20050	1720	23.50	23.46	100.93%	0.966	0.975	-
LTE Band 4			1	0	Bottom of Laptop**	0	20050	1720	23.50	23.46	100.93%	0.966	0.975	-
LTE Band 7	20MHz	QPSK	1	0	Bottom of Laptop	0	20850	2510	24.00	23.63	108.89%	0.910	0.991	-
LTE Band 7			1	50	Bottom of Laptop	0	21100	2535	24.00	23.54	111.17%	0.936	1.041	-
LTE Band 7			1	0	Bottom of Laptop	0	21350	2560	24.00	23.69	107.40%	0.989	1.062	034
LTE Band 7			50	0	Bottom of Laptop	0	21350	2560	23.00	22.59	109.90%	0.719	0.790	-
LTE Band 7			100RB		Bottom of Laptop	0	21350	2560	23.00	22.59	109.90%	0.672	0.739	-
LTE Band 7			1	0	Bottom of Laptop*	0	21350	2560	24.00	23.69	107.40%	0.983	1.056	-
LTE Band 7			1	0	Bottom of Laptop**	0	21350	2560	24.00	23.69	107.40%	0.904	0.971	-
CA_7C			1/1	99/0	Bottom of Laptop	0	21001/21199	2525.1/2544.9	24.00	23.63	108.89%	0.943	1.027	-
LTE Band 25	20MHz	QPSK	1	99	Bottom of Laptop	0	26140	1860	24.00	23.64	108.64%	0.857	0.931	035
LTE Band 25			1	50	Bottom of Laptop	0	26365	1882.5	24.00	23.65	108.39%	0.824	0.893	-
LTE Band 25			1	0	Bottom of Laptop	0	26590	1905	24.00	23.70	107.15%	0.829	0.888	-
LTE Band 25			50	0	Bottom of Laptop	0	26590	1905	23.00	22.67	107.89%	0.640	0.691	-
LTE Band 25			100RB		Bottom of Laptop	0	26140	1860	23.00	22.67	107.89%	0.683	0.737	-
LTE Band 25			1	99	Bottom of Laptop*	0	26140	1860	24.00	23.64	108.64%	0.850	0.923	-
LTE Band 25			1	99	Bottom of Laptop**	0	26140	1860	24.00	23.64	108.64%	0.787	0.855	-
LTE Band 25			1	99	Bottom of Laptop**	0	26140	1860	24.00	23.64	108.64%	0.787	0.855	-
LTE Band 25			1	99	Bottom of Laptop**	0	26140	1860	24.00	23.64	108.64%	0.787	0.855	-
LTE Band 25			1	99	Bottom of Laptop**	0	26140	1860	24.00	23.64	108.64%	0.787	0.855	-
LTE Band 30	10MHz	QPSK	1	0	Bottom of Laptop	0	27710	2310	23.00	22.99	100.23%	0.811	0.813	036
LTE Band 30			25	12	Bottom of Laptop	0	27710	2310	22.00	21.83	103.99%	0.625	0.650	-
LTE Band 30			50RB		Bottom of Laptop	0	27710	2310	22.00	21.77	105.44%	0.591	0.623	-
LTE Band 30			1	0	Bottom of Laptop*	0	27710	2310	23.00	22.99	100.23%	0.808	0.810	-
LTE Band 30			1	0	Bottom of Laptop**	0	27710	2310	23.00	22.99	100.23%	0.714	0.716	-
LTE Band 30			1	0	Bottom of Laptop**	0	27710	2310	23.00	22.99	100.23%	0.714	0.716	-
LTE Band 66	20MHz	QPSK	1	0	Bottom of Laptop	0	132072	1720	24.00	23.95	101.16%	1.050	1.062	037
LTE Band 66			1	0	Bottom of Laptop	0	132322	1745	24.00	23.91	102.09%	0.916	0.935	-
LTE Band 66			1	0	Bottom of Laptop	0	132572	1770	24.00	23.99	100.23%	0.879	0.881	-
LTE Band 66			50	0	Bottom of Laptop	0	132572	1770	23.00	22.93	101.62%	0.670	0.681	-
LTE Band 66			100RB		Bottom of Laptop	0	132572	1770	23.00	22.92	101.86%	0.638	0.650	-
LTE Band 66			1	0	Bottom of Laptop*	0	132072	1720	24.00	23.95	101.16%	1.020	1.032	-
LTE Band 66			1	0	Bottom of Laptop**	0	132072	1720	24.00	23.95	101.16%	0.924	0.935	-
CA_66B			1/1	49/0	Bottom of Laptop	0	132373/132472	1750.1/1760	24.00	23.91	102.09%	0.975	0.995	-
CA_66C			1/1	99/0	Bottom of Laptop	0	132323/132521	1745.1/1764.9	24.00	23.93	101.62%	0.966	0.982	-
CA_66C			1/1	99/0	Bottom of Laptop	0	132323/132521	1745.1/1764.9	24.00	23.93	101.62%	0.966	0.982	-
CA_66C			1/1	99/0	Bottom of Laptop	0	132323/132521	1745.1/1764.9	24.00	23.93	101.62%	0.966	0.982	-
CA_66C			1/1	99/0	Bottom of Laptop	0	132323/132521	1745.1/1764.9	24.00	23.93	101.62%	0.966	0.982	-

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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	20MHz	QPSK	1	0	Bottom of Laptop	0	37850	2580	22.50	22.31	104.47%	0.927	0.968	-
LTE Band 38			1	0	Bottom of Laptop	0	38000	2595	22.50	22.37	103.04%	0.966	0.995	-
LTE Band 38			1	0	Bottom of Laptop	0	38150	2610	22.50	22.38	102.80%	1.020	1.049	038
LTE Band 38			50	0	Bottom of Laptop	0	38000	2595	21.50	21.35	103.51%	0.758	0.785	-
LTE Band 38			100RB		Bottom of Laptop	0	38150	2610	21.50	21.21	106.91%	0.785	0.839	-
LTE Band 38			1	0	Bottom of Laptop*	0	38150	2610	22.50	22.38	102.80%	1.010	1.038	-
LTE Band 38			1	0	Bottom of Laptop**	0	38150	2610	22.50	22.38	102.80%	0.946	0.973	-
CA_38C			1/1	99/0	Bottom of Laptop	0	37901/38099	2585.1/2604.9	22.50	22.32	104.23%	0.954	0.994	-
LTE Band 41_PC3	20MHz	QPSK	1	0	Bottom of Laptop	0	39750	2506	22.50	22.43	101.62%	0.918	0.933	-
LTE Band 41_PC3			1	0	Bottom of Laptop	0	40185	2549.5	22.50	22.37	103.04%	0.947	0.976	-
LTE Band 41_PC3			1	0	Bottom of Laptop	0	40620	2593	22.50	22.21	106.91%	0.976	1.043	-
LTE Band 41_PC3			1	0	Bottom of Laptop	0	41055	2636.5	22.50	22.27	105.44%	1.030	1.086	-
LTE Band 41_PC3			1	0	Bottom of Laptop	0	41490	2680	22.50	22.16	108.14%	1.060	1.146	039
LTE Band 41_PC3			50	25	Bottom of Laptop	0	39750	2506	21.50	21.39	102.57%	0.713	0.731	-
LTE Band 41_PC3			100RB		Bottom of Laptop	0	39750	2506	21.50	21.32	104.23%	0.689	0.718	-
LTE Band 41_PC3			1	0	Bottom of Laptop*	0	41490	2680	22.50	22.16	108.14%	1.040	1.125	-
LTE Band 41_PC3			1	0	Bottom of Laptop**	0	41490	2680	22.50	22.16	108.14%	0.971	1.050	-
CA_41C			1/1	99/0	Bottom of Laptop	0	40521/40719	2583.1/2602.9	22.50	22.36	103.28%	1.020	1.053	-
LTE Band 42	20MHz	QPSK	1	0	Bottom of Laptop	0	42190	3460	22.00	21.78	105.20%	0.953	1.003	-
LTE Band 42			1	0	Bottom of Laptop	0	42680	3509	22.00	21.86	103.28%	1.050	1.084	146
LTE Band 42			1	0	Bottom of Laptop	0	43000	3541	22.00	21.83	103.99%	0.942	0.980	-
LTE Band 42			1	0	Bottom of Laptop	0	43490	3590	22.00	21.77	105.44%	0.931	0.982	-
LTE Band 42			50	25	Bottom of Laptop	0	42190	3460	21.00	20.64	108.64%	0.802	0.871	-
LTE Band 42			50	0	Bottom of Laptop	0	42680	3509	21.00	20.76	105.68%	0.824	0.871	-
LTE Band 42			50	0	Bottom of Laptop	0	43000	3541	21.00	20.74	106.17%	0.813	0.863	-
LTE Band 42			50	50	Bottom of Laptop	0	43490	3590	21.00	20.70	107.15%	0.806	0.864	-
LTE Band 42			100RB		Bottom of Laptop	0	42680	3509	21.00	20.78	105.20%	0.766	0.806	-
LTE Band 42			1	0	Bottom of Laptop*	0	42680	3509	22.00	21.86	103.28%	1.020	1.053	-
LTE Band 42			1	0	Bottom of Laptop**	0	42680	3509	22.00	21.86	103.28%	0.907	0.937	-
LTE Band 43	20MHz	QPSK	1	0	Bottom of Laptop	0	44190	3660	22.00	21.93	101.62%	0.984	1.000	-
LTE Band 43			1	0	Bottom of Laptop	0	44215	3662.5	22.00	21.90	102.33%	1.030	1.054	-
LTE Band 43			1	0	Bottom of Laptop	0	44240	3665	22.00	21.92	101.86%	1.110	1.131	147
LTE Band 43			50	50	Bottom of Laptop	0	44190	3660	21.00	20.85	103.51%	0.792	0.820	-
LTE Band 43			50	0	Bottom of Laptop	0	44215	3662.5	21.00	20.72	106.66%	0.785	0.837	-
LTE Band 43			50	25	Bottom of Laptop	0	44240	3665	21.00	20.82	104.23%	0.779	0.812	-
LTE Band 43			100RB		Bottom of Laptop	0	44190	3660	21.00	20.84	103.75%	0.753	0.781	-
LTE Band 43			1	0	Bottom of Laptop*	0	44240	3665	22.00	21.92	101.86%	1.070	1.090	-
LTE Band 43			1	0	Bottom of Laptop**	0	44240	3665	22.00	21.92	101.86%	0.925	0.942	-
LTE Band 48	20MHz	QPSK	1	0	Bottom of Laptop	0	55340	3560	18.50	18.41	102.09%	0.437	0.446	-
LTE Band 48			1	0	Bottom of Laptop	0	55830	3609	18.50	18.45	101.16%	0.454	0.459	-
LTE Band 48			1	0	Bottom of Laptop	0	56150	3641	18.50	18.39	102.57%	0.506	0.519	-
LTE Band 48			1	0	Bottom of Laptop	0	56640	3690	18.50	18.47	100.69%	0.556	0.560	041
LTE Band 48			50	50	Bottom of Laptop	0	55830	3609	17.50	17.42	101.86%	0.360	0.367	-
LTE Band 48			1	0	Bottom of Laptop*	0	56640	3690	18.50	18.47	100.69%	0.545	0.549	-
LTE Band 48			1	0	Bottom of Laptop**	0	56640	3690	18.50	18.47	100.69%	0.461	0.464	-
CA_48C			1/1	99/0	Bottom of Laptop	0	55891/56089	3615.1/3634.9	18.50	18.41	102.09%	0.533	0.544	-

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

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		ID
												Measured	Reported	
NR n2	20MHz	SCS 15kHz P/2 BPSK	1	104	Bottom of Laptop	0	372000	1860	24.00	23.61	109.40%	0.879	0.962	042
NR n2			1	53	Bottom of Laptop	0	376000	1890	24.00	23.55	110.92%	0.831	0.922	-
NR n2			1	1	Bottom of Laptop	0	380000	1900	24.00	23.69	107.40%	0.804	0.863	-
NR n2			50	28	Bottom of Laptop	0	380000	1900	24.00	23.61	109.40%	0.765	0.837	-
NR n2			100	0	Bottom of Laptop	0	372000	1860	23.50	23.09	109.90%	0.812	0.892	-
NR n2			1	104	Bottom of Laptop*	0	372000	1860	24.00	23.61	109.40%	0.873	0.955	-
NR n2			1	104	Bottom of Laptop*	0	372000	1860	24.00	23.61	109.40%	0.774	0.847	-
NR n7	20MHz	SCS 15kHz P/2 BPSK	1	1	Bottom of Laptop	0	502000	2510	24.00	23.95	101.16%	0.893	0.903	-
NR n7			1	1	Bottom of Laptop	0	507000	2535	24.00	23.84	103.75%	0.937	0.972	-
NR n7			1	1	Bottom of Laptop	0	512000	2560	24.00	23.99	100.23%	0.990	0.992	043
NR n7			50	28	Bottom of Laptop	0	502000	2510	24.00	23.90	102.33%	0.862	0.882	-
NR n7			100	0	Bottom of Laptop	0	512000	2560	23.50	23.39	102.57%	0.903	0.926	-
NR n7			1	1	Bottom of Laptop*	0	512000	2560	24.00	23.99	100.23%	0.987	0.989	-
NR n7			1	1	Bottom of Laptop**	0	512000	2560	24.00	23.99	100.23%	0.877	0.879	-
NR n25	20MHz	SCS 15kHz P/2 BPSK	1	1	Bottom of Laptop	0	372000	1860	24.00	23.87	103.04%	0.880	0.907	044
NR n25			1	1	Bottom of Laptop	0	376500	1882.5	24.00	23.92	101.86%	0.825	0.840	-
NR n25			1	1	Bottom of Laptop	0	381000	1905	24.00	23.95	101.16%	0.809	0.818	-
NR n25			50	28	Bottom of Laptop	0	381000	1905	24.00	23.78	105.20%	0.760	0.799	-
NR n25			100	0	Bottom of Laptop	0	376500	1882.5	23.50	23.43	101.62%	0.785	0.798	-
NR n25			1	1	Bottom of Laptop*	0	372000	1860	24.00	23.87	103.04%	0.878	0.905	-
NR n25			1	1	Bottom of Laptop*	0	372000	1860	24.00	23.87	103.04%	0.782	0.806	-
NR n30	10MHz	SCS 15kHz P/2 BPSK	1	1	Bottom of Laptop	0	462000	2310	23.00	22.56	110.66%	0.800	0.885	045
NR n30			25	13	Bottom of Laptop	0	462000	2310	23.00	22.47	112.98%	0.758	0.856	-
NR n30			50	0	Bottom of Laptop	0	462000	2310	22.50	22.01	111.94%	0.723	0.809	-
NR n30			1	1	Bottom of Laptop*	0	462000	2310	23.00	22.56	110.66%	0.795	0.880	-
NR n30			1	1	Bottom of Laptop**	0	462000	2310	23.00	22.56	110.66%	0.704	0.779	-
NR n66	20MHz	SCS 15kHz P/2 BPSK	1	53	Bottom of Laptop	0	344000	1720	23.50	23.39	102.57%	0.984	1.009	046
NR n66			1	104	Bottom of Laptop	0	349000	1745	23.50	23.38	102.80%	0.962	0.989	-
NR n66			1	1	Bottom of Laptop	0	354000	1770	23.50	23.50	100.00%	0.923	0.923	-
NR n66			50	28	Bottom of Laptop	0	344000	1720	23.50	23.36	103.28%	0.927	0.957	-
NR n66			50	28	Bottom of Laptop	0	349000	1745	23.50	23.38	102.80%	0.899	0.924	-
NR n66			50	28	Bottom of Laptop	0	354000	1770	23.50	23.39	102.57%	0.865	0.887	-
NR n66			100	0	Bottom of Laptop	0	344000	1720	23.00	22.93	101.62%	0.878	0.892	-
NR n66			1	53	Bottom of Laptop*	0	344000	1720	23.50	23.39	102.57%	0.981	1.006	-
NR n66			1	53	Bottom of Laptop*	0	344000	1720	23.50	23.39	102.57%	0.896	0.919	-
NR n66			1	53	Bottom of Laptop*	0	344000	1720	23.50	23.39	102.57%	0.896	0.919	-
NR n38	20MHz	SCS 30kHz P/2 BPSK	1	1	Bottom of Laptop	0	516000	2580	22.50	22.46	100.93%	0.911	0.919	-
NR n38			1	1	Bottom of Laptop	0	519000	2595	22.50	22.38	102.80%	0.948	0.975	-
NR n38			1	1	Bottom of Laptop	0	522000	2610	22.50	22.49	100.23%	0.995	0.997	047
NR n38			25	13	Bottom of Laptop	0	516000	2580	22.50	22.40	102.33%	0.847	0.867	-
NR n38			25	13	Bottom of Laptop	0	519000	2595	22.50	22.25	105.93%	0.884	0.936	-
NR n38			25	13	Bottom of Laptop	0	522000	2610	22.50	22.41	102.09%	0.953	0.973	-
NR n38			50	0	Bottom of Laptop	0	522000	2610	22.00	22.00	100.00%	0.903	0.903	-
NR n38			1	1	Bottom of Laptop*	0	522000	2610	22.50	22.49	100.23%	0.992	0.994	-
NR n38			1	1	Bottom of Laptop**	0	522000	2610	22.50	22.49	100.23%	0.928	0.930	-
NR n41_PC3	100MHz	SCS 30kHz P/2 BPSK	1	1	Bottom of Laptop	0	509202	2546.01	24.00	23.78	105.20%	0.937	0.986	-
NR n41_PC3			1	271	Bottom of Laptop	0	518598	2592.99	24.00	23.68	107.65%	0.983	1.058	-
NR n41_PC3			1	271	Bottom of Laptop	0	528000	2640	24.00	23.71	106.91%	1.050	1.123	048
NR n41_PC3			135	69	Bottom of Laptop	0	509202	2546.01	24.00	23.67	107.89%	0.869	0.938	-
NR n41_PC3			135	69	Bottom of Laptop	0	518598	2592.99	24.00	23.63	108.89%	0.921	1.003	-
NR n41_PC3			135	69	Bottom of Laptop	0	528000	2640	24.00	23.66	108.14%	0.976	1.055	-
NR n41_PC3			270	0	Bottom of Laptop	0	509202	2546.01	23.50	23.18	107.65%	0.824	0.887	-
NR n41_PC3			1	271	Bottom of Laptop*	0	528000	2640	24.00	23.71	106.91%	1.010	1.080	-
NR n41_PC3			1	271	Bottom of Laptop**	0	528000	2640	24.00	23.71	106.91%	0.943	1.008	-
NR n41_PC3			1	271	Bottom of Laptop**	0	528000	2640	24.00	23.71	106.91%	0.943	1.008	-
NR n41_PC2	100MHz	SCS 30kHz P/2 BPSK	1	1	Bottom of Laptop	0	509202	2546.01	25.50	25.43	101.62%	0.924	0.939	-
NR n41_PC2			1	1	Bottom of Laptop	0	518598	2592.99	25.50	25.49	100.23%	0.966	0.968	-
NR n41_PC2			1	1	Bottom of Laptop	0	528000	2640	25.50	25.33	103.99%	1.020	1.061	049
NR n41_PC2			135	69	Bottom of Laptop	0	509202	2546.01	25.50	25.30	104.71%	0.844	0.884	-
NR n41_PC2			135	69	Bottom of Laptop	0	518598	2592.99	25.50	25.30	104.71%	0.907	0.950	-
NR n41_PC2			135	69	Bottom of Laptop	0	528000	2640	25.50	25.22	106.66%	0.952	1.015	-
NR n41_PC2			270	0	Bottom of Laptop	0	518598	2592.99	25.00	24.97	100.69%	0.836	0.842	-
NR n41_PC2			1	1	Bottom of Laptop*	0	528000	2640	25.50	25.33	103.99%	0.996	1.036	-
NR n41_PC2			1	1	Bottom of Laptop**	0	528000	2640	25.50	25.33	103.99%	0.918	0.955	-
NR n48	40MHz	SCS 30kHz P/2 BPSK	1	1	Bottom of Laptop	0	638000	3570	18.50	18.47	100.69%	0.976	0.983	-
NR n48			1	1	Bottom of Laptop	0	641668	3625.02	18.50	18.42	101.86%	1.020	1.039	-
NR n48			1	1	Bottom of Laptop	0	645332	3679.98	18.50	18.36	103.28%	1.060	1.095	050
NR n48			50	28	Bottom of Laptop	0	641668	3625.02	18.50	18.31	104.47%	0.741	0.774	-
NR n48			100	0	Bottom of Laptop	0	638000	3570	18.00	18.00	100.00%	0.686	0.686	-
NR n48			1	1	Bottom of Laptop*	0	645332	3679.98	18.50	18.36	103.28%	1.020	1.053	-
NR n48			1	1	Bottom of Laptop**	0	645332	3679.98	18.50	18.36	103.28%	0.953	0.984	-

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

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

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

NR n77_PC3	100MHz	SCS 30kHz PI/2 BPSK	1	1	Bottom of Laptop	0	650000	3750	17.00	16.97	100.69%	0.928	0.934	-
NR n77_PC3			1	1	Bottom of Laptop	0	653000	3795	17.00	16.93	101.62%	0.957	0.973	-
NR n77_PC3			1	1	Bottom of Laptop	0	656000	3840	17.00	16.91	102.09%	0.988	1.009	-
NR n77_PC3			1	1	Bottom of Laptop	0	659000	3885	17.00	16.85	103.51%	1.060	1.097	051
NR n77_PC3			1	1	Bottom of Laptop	0	662000	3930	17.00	16.83	103.99%	0.901	0.937	-
NR n77_PC3			135	69	Bottom of Laptop	0	650000	3750	17.00	16.94	101.39%	0.684	0.694	-
NR n77_PC3			270	0	Bottom of Laptop	0	650000	3750	16.50	16.46	100.93%	0.596	0.602	-
NR n77_PC3			1	1	Bottom of Laptop*	0	659000	3885	17.00	16.85	103.51%	1.000	1.035	-
NR n77_PC3			1	1	Bottom of Laptop**	0	659000	3885	17.00	16.85	103.51%	0.935	0.968	-
NR n77_PC2	100MHz	SCS 30kHz PI/2 BPSK	1	1	Bottom of Laptop	0	650000	3750	19.00	18.98	100.46%	0.934	0.938	-
NR n77_PC2			1	1	Bottom of Laptop	0	653000	3795	19.00	18.94	101.39%	0.962	0.975	-
NR n77_PC2			1	1	Bottom of Laptop	0	656000	3840	19.00	18.91	102.09%	0.973	0.993	-
NR n77_PC2			1	1	Bottom of Laptop	0	659000	3885	19.00	18.89	102.57%	1.020	1.046	052
NR n77_PC2			1	1	Bottom of Laptop	0	662000	3930	19.00	18.86	103.28%	0.909	0.939	-
NR n77_PC2			135	69	Bottom of Laptop	0	650000	3750	19.00	18.87	103.04%	0.663	0.683	-
NR n77_PC2			270	0	Bottom of Laptop	0	650000	3750	18.50	18.49	100.23%	0.569	0.570	-
NR n77_PC2			1	1	Bottom of Laptop*	0	659000	3885	19.00	18.89	102.57%	0.996	1.022	-
NR n77_PC2			1	1	Bottom of Laptop**	0	659000	3885	19.00	18.89	102.57%	0.922	0.946	-
NR n77 & n78_PC3_FCC	100MHz	SCS 30kHz PI/2 BPSK	1	1	Bottom of Laptop	0	633333	3499.995	20.50	20.47	100.69%	1.060	1.067	053
NR n77 & n78_PC3_FCC			135	69	Bottom of Laptop	0	633333	3499.995	20.50	20.38	102.80%	0.718	0.738	-
NR n77 & n78_PC3_FCC			270	0	Bottom of Laptop	0	633333	3499.995	20.00	19.92	101.86%	0.663	0.675	-
NR n77 & n78_PC3_FCC			1	1	Bottom of Laptop*	0	633333	3499.995	20.50	20.47	100.69%	1.040	1.047	-
NR n77 & n78_PC3_FCC			1	1	Bottom of Laptop**	0	633333	3499.995	20.50	20.47	100.69%	0.987	0.994	-
NR n77 & n78_PC2_FCC	100MHz	SCS 30kHz PI/2 BPSK	1	1	Bottom of Laptop	0	633333	3499.995	22.00	21.92	101.86%	1.000	1.019	054
NR n77 & n78_PC2_FCC			135	69	Bottom of Laptop	0	633333	3499.995	22.00	21.79	104.95%	0.697	0.732	-
NR n77 & n78_PC2_FCC			270	0	Bottom of Laptop	0	633333	3499.995	21.50	21.41	102.09%	0.624	0.637	-
NR n77 & n78_PC2_FCC			1	1	Bottom of Laptop*	0	633333	3499.995	22.00	21.92	101.86%	0.995	1.013	-
NR n77 & n78_PC2_FCC			1	1	Bottom of Laptop**	0	633333	3499.995	22.00	21.92	101.86%	0.952	0.970	-
NR n78_PC3	100MHz	SCS 30kHz PI/2 BPSK	1	1	Bottom of Laptop	0	645000	3750	18.00	17.96	100.93%	1.070	1.080	057
NR n78_PC3			135	69	Bottom of Laptop	0	645000	3750	18.00	17.75	105.93%	0.733	0.776	-
NR n78_PC3			270	0	Bottom of Laptop	0	645000	3750	17.50	17.47	100.69%	0.642	0.646	-
NR n78_PC3			1	1	Bottom of Laptop*	0	645000	3750	18.00	17.96	100.93%	1.060	1.070	-
NR n78_PC3			1	1	Bottom of Laptop**	0	645000	3750	18.00	17.96	100.93%	0.983	0.992	-
NR n78_PC2	100MHz	SCS 30kHz PI/2 BPSK	1	1	Bottom of Laptop	0	650000	3750	20.00	19.93	101.62%	1.030	1.047	058
NR n78_PC2			135	69	Bottom of Laptop	0	650000	3750	20.00	19.80	104.71%	0.698	0.731	-
NR n78_PC2			270	0	Bottom of Laptop	0	650000	3750	19.50	19.38	102.80%	0.604	0.621	-
NR n78_PC2			1	1	Bottom of Laptop*	0	650000	3750	20.00	19.93	101.62%	1.010	1.026	-
NR n78_PC2			1	1	Bottom of Laptop**	0	650000	3750	20.00	19.93	101.62%	0.947	0.962	-

Note: * - repeated at the highest SAR measurement according to the KDB 865664 D01

** - INNOWAVE Spot check

Note:

Reported SAR = measured SAR * Power scaling * Duty cycle scaling

Reported APD = measured APD * Power scaling * Duty cycle scaling

6.3 Reporting statements of conformity

The conformity statement in this report is based solely on the test results, measurement uncertainty is excluded.

6.4 Conclusion

The device is compliant because all the standalone results are less than their corresponding criteria.

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

7 SIMULTANEOUS TRANSMISSION ANALYSIS

7.1 Simultaneous Transmission Scenarios:

Simultaneous Transmission configurations
ULCA
ULMIMO
ENDC

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

7.2 Estimated SAR calculation

According to KDB447498 D01v06 – When standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:

$$\text{Estimated SAR} = \frac{\text{Max. tune up power (mW)}}{\text{Min. test separation distance(mm)}} \times \frac{\sqrt{f(\text{GHz})}}{7.5}$$

If the minimum test separation distance is < 5mm, a distance of 5mm is used for estimated SAR calculation. When the test separation distance is >50mm, the 0.4W/kg is used for SAR-1g.

7.3 SPLSR evaluation and analysis

Per KDB447498D01, when the sum of SAR is larger than the limit, SAR test exclusion is determined by the SAR sum to peak location separation ratio(SPLSR).

The simultaneous transmitting antennas in each operating mode and exposure condition combination must be considered one pair at a time to determine the SAR to peak location separation ratio to qualify for test exclusion.

The ratio is determined by $(\text{SAR1} + \text{SAR2})^{1.5}/R_i$, rounded to two decimal digits, and must be ≤ 0.04 for all antenna pairs in the configuration to qualify for 1-g SAR test exclusion.

SAR1 and SAR2 are the highest reported or estimated SAR for each antenna in the pair, and R_i is the separation distance between the peak SAR locations for the antenna pair in mm.

When standalone test exclusion applies, SAR is estimated; the peak location is assumed to be at the feed-point or geometric center of the antenna.

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

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

Simultaneous Transmission Combination ULCA

			Reported SAR					Scenario 1
	Exposure Position		1		Exposure Position		2	1+2
			WWAN				WWAN	Summed
			1g SAR (W/kg)				1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2_Mimo 2	Bottom of Laptop	0	0.969	LTE Band 48_Main	Bottom of Laptop	0	0.558	1.527
LTE Band 5_Main	Bottom of Laptop	0	0.685	LTE Band 2_Mimo 2	Bottom of Laptop	0	0.969	1.654
LTE Band 5_Main	Bottom of Laptop	0	0.685	LTE Band 4_Mimo 2	Bottom of Laptop	0	1.080	1.765
LTE Band 5_Main	Bottom of Laptop	0	0.685	LTE Band 7_Mimo 2	Bottom of Laptop	0	1.062	1.747
LTE Band 5_Main	Bottom of Laptop	0	0.685	LTE Band 30_Mimo 2	Bottom of Laptop	0	0.813	1.498
LTE Band 5_Main	Bottom of Laptop	0	0.685	LTE Band 66_Mimo 2	Bottom of Laptop	0	1.062	1.747
LTE Band 5_Main	Bottom of Laptop	0	0.685	LTE Band 48_Mimo 2	Bottom of Laptop	0	0.560	1.245
LTE Band 12_Main	Bottom of Laptop	0	0.687	LTE Band 2_Mimo 2	Bottom of Laptop	0	0.969	1.656
LTE Band 12_Main	Bottom of Laptop	0	0.687	LTE Band 4_Mimo 2	Bottom of Laptop	0	1.080	1.767
LTE Band 12_Main	Bottom of Laptop	0	0.687	LTE Band 30_Mimo 2	Bottom of Laptop	0	0.813	1.500
LTE Band 12_Main	Bottom of Laptop	0	0.687	LTE Band 66_Mimo 2	Bottom of Laptop	0	1.062	1.749
LTE Band 13_Main	Bottom of Laptop	0	1.093	LTE Band 2_Mimo 2	Bottom of Laptop	0	0.969	2.062
LTE Band 13_Main	Bottom of Laptop	0	1.093	LTE Band 4_Mimo 2	Bottom of Laptop	0	1.080	2.173
LTE Band 13_Main	Bottom of Laptop	0	1.093	LTE Band 66_Mimo 2	Bottom of Laptop	0	1.062	2.155
LTE Band 13_Main	Bottom of Laptop	0	1.093	LTE Band 48_Mimo 2	Bottom of Laptop	0	0.560	1.653
LTE Band 14_Main	Bottom of Laptop	0	1.067	LTE Band 2_Mimo 2	Bottom of Laptop	0	0.969	2.036
LTE Band 14_Main	Bottom of Laptop	0	1.067	LTE Band 30_Mimo 2	Bottom of Laptop	0	0.813	1.880
LTE Band 14_Main	Bottom of Laptop	0	1.067	LTE Band 66_Mimo 2	Bottom of Laptop	0	1.062	2.129
LTE Band 26_FCC_Main	Bottom of Laptop	0	0.639	LTE Band 25_Mimo 2	Bottom of Laptop	0	0.931	1.570
LTE Band 66_Mimo 2	Bottom of Laptop	0	1.062	LTE Band 48_Main	Bottom of Laptop	0	0.558	1.620

ULMIMO

			Reported SAR					Scenario 1
	Exposure Position		1		Exposure Position		2	1+2
			WWAN				WWAN	Summed
			1g SAR (W/kg)				1g SAR (W/kg)	1g SAR (W/kg)
NR n41_PC3_Main	Bottom of Laptop	0	0.548	NR n41_PC3_Mimo 2	Bottom of Laptop	0	1.123	1.671
NR n77_PC3_Main	Bottom of Laptop	0	1.194	NR n77_PC3_Mimo 2	Bottom of Laptop	0	1.097	2.291
NR n78_PC3_Main	Bottom of Laptop	0	0.297	NR n78_PC3_Mimo 2	Bottom of Laptop	0	1.080	1.377

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

ENDC

			Reported SAR					Scenario 1
	Exposure Position		1		Exposure Position		2	1+2
			WWAN				WWAN	Summed
			1g SAR (W/kg)				1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2_Mimo 2	Bottom of Laptop	0	0.969	NR n5_Main	Bottom of Laptop	0	0.638	1.607
LTE Band 2_Mimo 2	Bottom of Laptop	0	0.969	NR n71_Main	Bottom of Laptop	0	0.706	1.675
LTE Band 2_Mimo 2	Bottom of Laptop	0	0.969	NR n48_Main	Bottom of Laptop	0	0.776	1.745
LTE Band 2_Mimo 2	Bottom of Laptop	0	0.969	NR n77_PC3_Main	Bottom of Laptop	0	1.194	2.163
LTE Band 2_Mimo 2	Bottom of Laptop	0	0.969	NR n78_PC3_Main	Bottom of Laptop	0	0.297	1.266
LTE Band 5_Main	Bottom of Laptop	0	0.685	NR n2_Mimo 2	Bottom of Laptop	0	0.962	1.647
LTE Band 5_Main	Bottom of Laptop	0	0.685	NR n66_Mimo 2	Bottom of Laptop	0	1.009	1.694
LTE Band 5_Main	Bottom of Laptop	0	0.685	NR n77_PC3_Mimo 2	Bottom of Laptop	0	1.097	1.782
LTE Band 5_Main	Bottom of Laptop	0	0.685	NR n78_PC3_Mimo 2	Bottom of Laptop	0	1.080	1.765
LTE Band 7_Mimo 2	Bottom of Laptop	0	1.062	NR n5_Main	Bottom of Laptop	0	0.638	1.700
LTE Band 7_Mimo 2	Bottom of Laptop	0	1.062	NR n77_PC3_Main	Bottom of Laptop	0	1.194	2.256
LTE Band 7_Mimo 2	Bottom of Laptop	0	1.062	NR n78_PC3_Main	Bottom of Laptop	0	0.297	1.359
LTE Band 12_Main	Bottom of Laptop	0	0.687	NR n2_Mimo 2	Bottom of Laptop	0	0.962	1.649
LTE Band 12_Main	Bottom of Laptop	0	0.687	NR n66_Mimo 2	Bottom of Laptop	0	1.009	1.696
LTE Band 12_Main	Bottom of Laptop	0	0.687	NR n77_PC3_Mimo 2	Bottom of Laptop	0	1.097	1.784
LTE Band 13_Main	Bottom of Laptop	0	1.093	NR n2_Mimo 2	Bottom of Laptop	0	0.962	2.055
LTE Band 13_Main	Bottom of Laptop	0	1.093	NR n66_Mimo 2	Bottom of Laptop	0	1.009	2.102
LTE Band 13_Main	Bottom of Laptop	0	1.093	NR n77_PC3_Mimo 2	Bottom of Laptop	0	1.097	2.190
LTE Band 14_Main	Bottom of Laptop	0	1.067	NR n2_Mimo 2	Bottom of Laptop	0	0.962	2.029
LTE Band 14_Main	Bottom of Laptop	0	1.067	NR n77_PC3_Mimo 2	Bottom of Laptop	0	1.097	2.164
LTE Band 30_Mimo 2	Bottom of Laptop	0	0.813	NR n5_Main	Bottom of Laptop	0	0.638	1.451
LTE Band 30_Mimo 2	Bottom of Laptop	0	0.813	NR n77_PC3_Main	Bottom of Laptop	0	1.194	2.007
LTE Band 66_Mimo 2	Bottom of Laptop	0	1.062	NR n5_Main	Bottom of Laptop	0	0.638	1.700
LTE Band 66_Mimo 2	Bottom of Laptop	0	1.062	NR n71_Main	Bottom of Laptop	0	0.706	1.768
LTE Band 66_Mimo 2	Bottom of Laptop	0	1.062	NR n41_PC3_Main	Bottom of Laptop	0	0.548	1.610
LTE Band 66_Mimo 2	Bottom of Laptop	0	1.062	NR n48_Main	Bottom of Laptop	0	0.776	1.838
LTE Band 66_Mimo 2	Bottom of Laptop	0	1.062	NR n77_PC3_Main	Bottom of Laptop	0	1.194	2.256
LTE Band 38_Mimo 2	Bottom of Laptop	0	1.049	NR n77_PC3_Main	Bottom of Laptop	0	1.194	2.243
LTE Band 41_PC3_Main	Bottom of Laptop	0	0.479	NR n41_PC3_Mimo 2	Bottom of Laptop	0	1.123	1.602
LTE Band 41_PC3_Main	Bottom of Laptop	0	0.479	NR n77_PC3_Mimo 2	Bottom of Laptop	0	1.097	1.576
LTE Band 48_Mimo 2	Bottom of Laptop	0	0.560	NR n5_Main	Bottom of Laptop	0	0.638	1.198
LTE Band 48_Mimo 2	Bottom of Laptop	0	0.560	NR n66_Main	Bottom of Laptop	0		0.560

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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

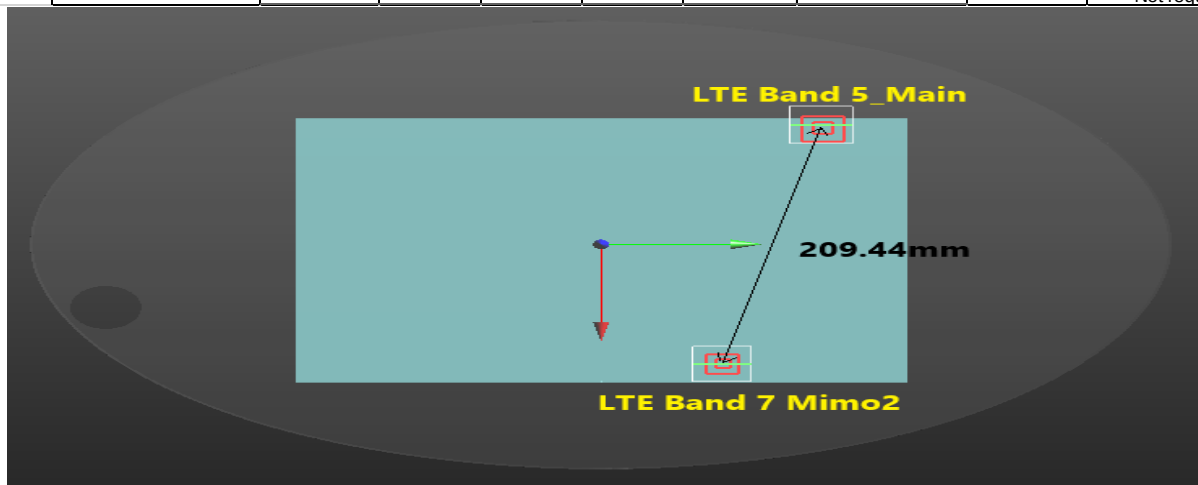
f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

SPLAR ULCA

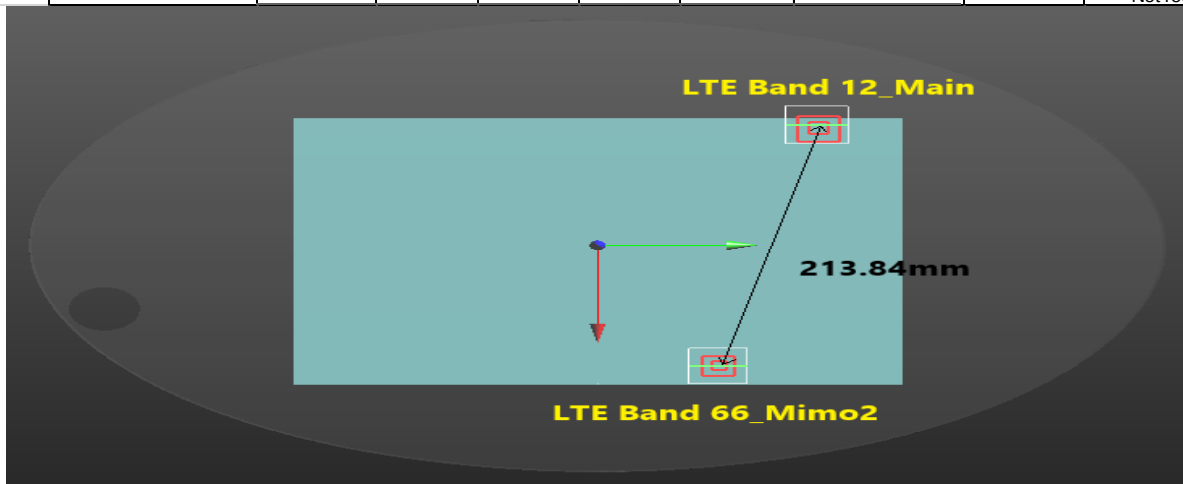
Scenario 1:									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			Σ SAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom of Laptop	LTE Band 5_Main	0.685	-9.93	11.51	-0.30	-	-	-	-
	LTE Band 2_Mimo2	0.969	10.60	6.10	-0.29	1.654	212.31	0.010	SPLSR $\leq$ 0.04, Not required
	LTE Band 4_Mimo2	1.080	10.76	5.70	-0.28	1.765	214.90	0.011	SPLSR $\leq$ 0.04, Not required
	LTE Band 7_Mimo2	1.062	10.34	6.24	-0.28	1.747	209.44	0.011	SPLSR $\leq$ 0.04, Not required
	LTE Band 66_Mimo2	1.062	10.76	5.70	-0.28	1.747	214.90	0.011	SPLSR $\leq$ 0.04, Not required



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

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

Scenario 2:									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			Σ SAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom of Laptop	LTE Band 12_Main	0.687	-9.78	11.65	-0.30	-	-	-	-
	LTE Band 2_Mimo2	0.969	10.60	6.10	-0.29	1.656	211.22	0.010	SPLSR $\leq$ 0.04, Not required
	LTE Band 4_Mimo2	1.080	10.76	5.70	-0.28	1.767	213.84	0.011	SPLSR $\leq$ 0.04, Not required
	LTE Band 66_Mimo2	1.062	10.76	5.70	-0.28	1.749	213.84	0.011	SPLSR $\leq$ 0.04, Not required



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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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

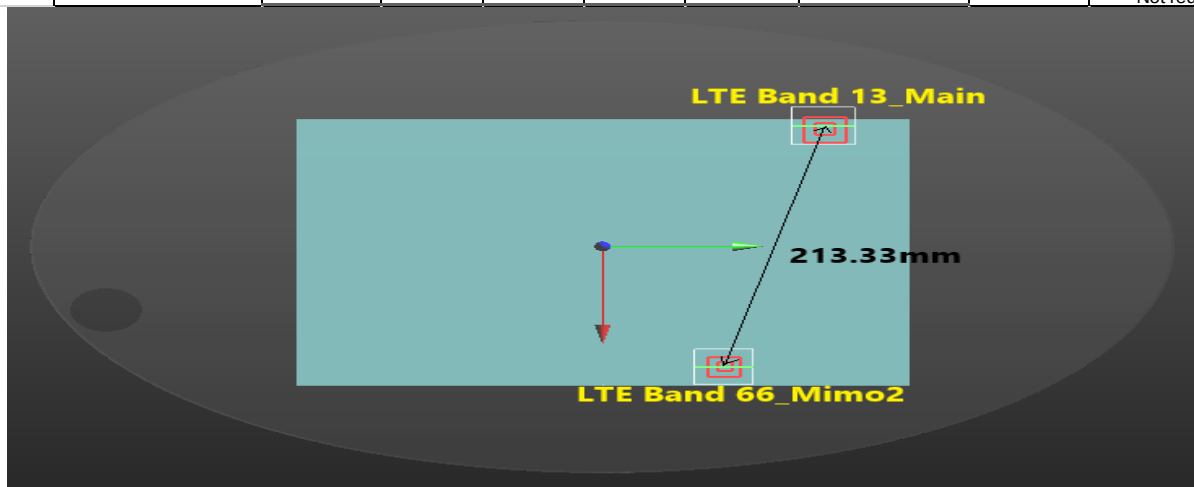
t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Scenario 3									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			Σ SAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom of Laptop	LTE Band 13_Main	1.093	-9.93	10.90	-0.30	-	-	-	-
	LTE Band 2_Mimo2	0.969	10.60	6.10	-0.29	2.062	210.84	0.014	SPLSR $\leq$ 0.04, Not required
	LTE Band 4_Mimo2	1.080	10.76	5.70	-0.28	2.173	213.33	0.015	SPLSR $\leq$ 0.04, Not required
	LTE Band 66_Mimo2	1.062	10.76	5.70	-0.28	2.155	213.33	0.015	SPLSR $\leq$ 0.04, Not required
	LTE Band 48_Mimo2	0.560	10.20	3.50	-0.31	1.653	214.47	0.010	SPLSR $\leq$ 0.04, Not required

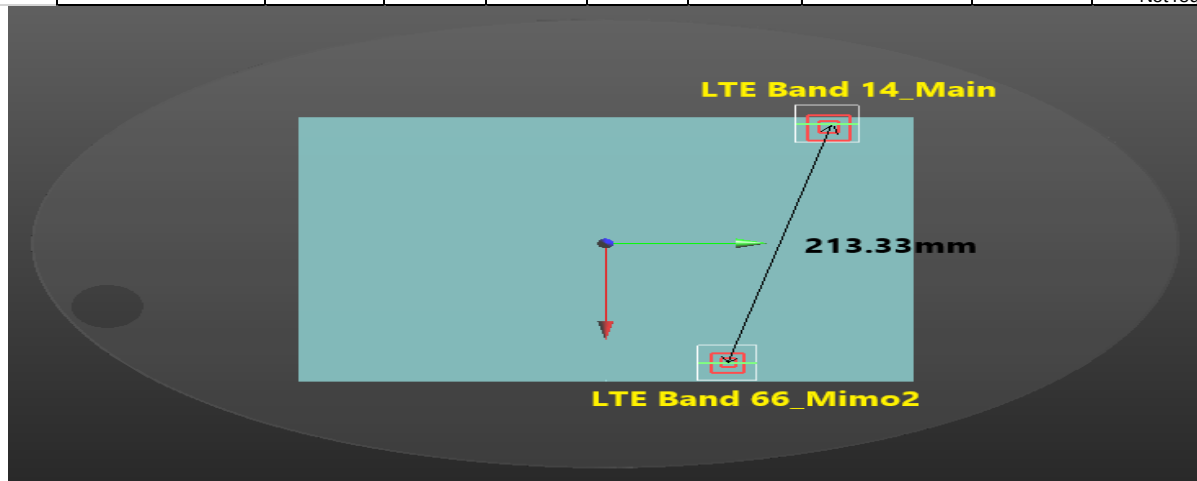


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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

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

Scenario 4									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			Σ SAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom of Laptop	LTE Band 14_Main	1.067	-9.93	10.90	-0.31	-	-	-	-
	LTE Band 2_Mimo2	0.969	10.60	6.10	-0.29	2.036	210.84	0.014	SPLSR $\leq$ 0.04, Not required
	LTE Band 30_Mimo2	0.813	10.56	5.94	-0.28	1.880	210.82	0.012	SPLSR $\leq$ 0.04, Not required
	LTE Band 66_Mimo2	1.062	10.76	5.70	-0.28	2.129	213.33	0.015	SPLSR $\leq$ 0.04, Not required



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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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

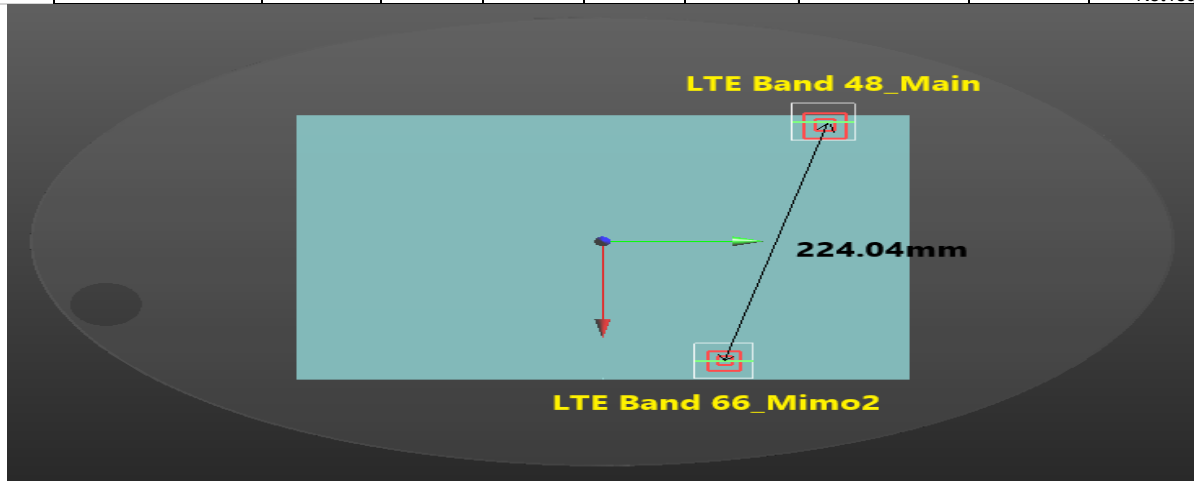
t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Scenario 5									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			Σ SAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom of Laptop	LTE Band 66_Mimo2	1.062	10.76	5.70	-0.28	-	-	-	-
	LTE Band 48_Main	0.558	-11.54	7.86	-0.30	1.620	224.04	0.009	SPLSR $\leq$ 0.04, Not required



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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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

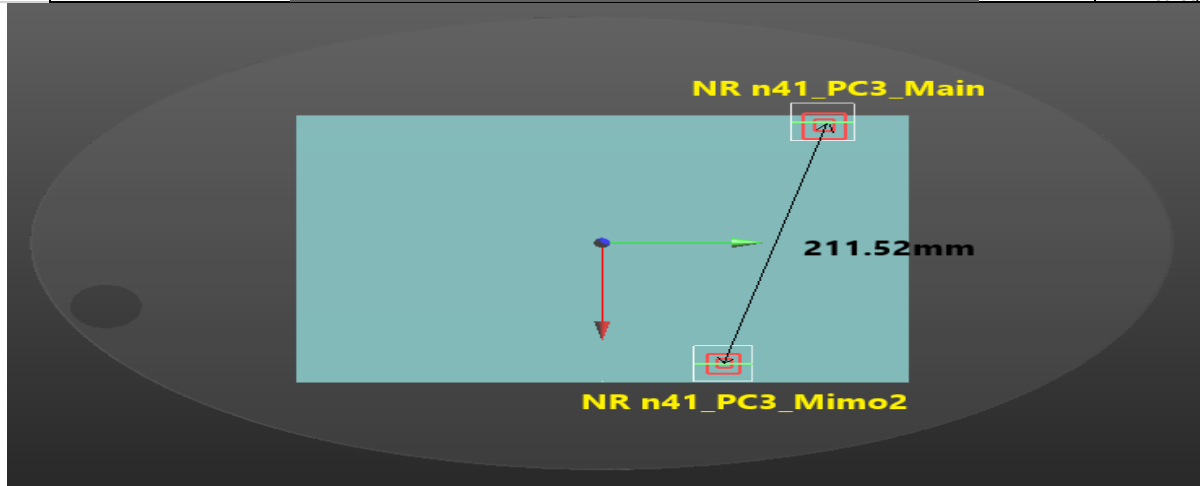
f (886-2) 2298-0488

www.sgs.com.tw

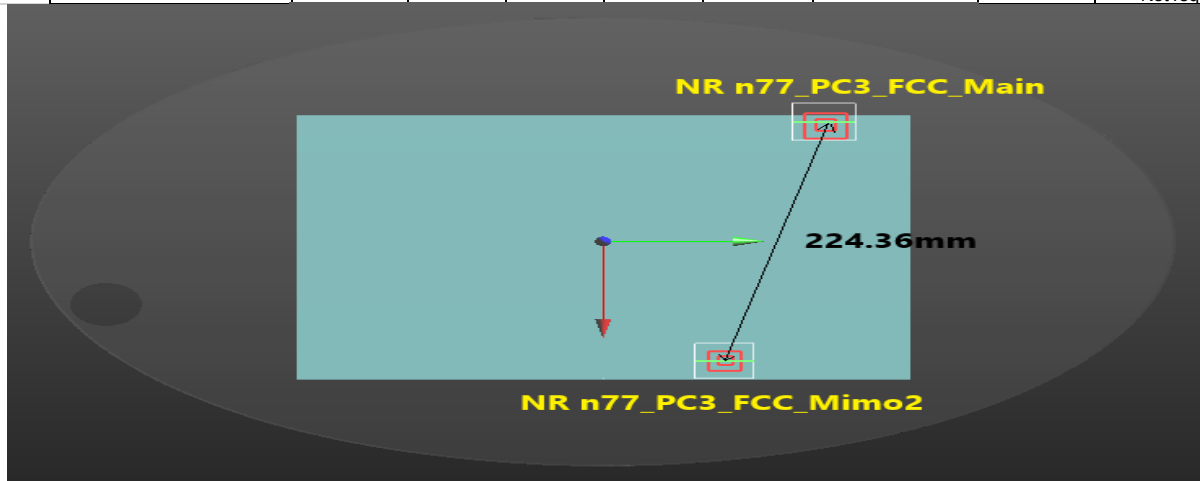
Member of SGS Group

ULMIMO

Scenario 1:									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			Σ SAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom of Laptop	NR n41_PC3_Main	0.548	-10.28	11.12	-0.27	-	-	-	-
	NR n41_PC3_Mimo2	1.123	10.32	6.32	-0.29	1.671	211.52	0.010	SPLSR $\leq$ 0.04, Not required



Scenario 2:									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			Σ SAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom of Laptop	NR n77_PC3_Main	1.194	-11.90	7.90	-0.29	-	-	-	-
	NR n77_PC3_Mimo2	1.097	10.08	3.40	-0.32	2.291	224.36	0.015	SPLSR $\leq$ 0.04, Not required



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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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

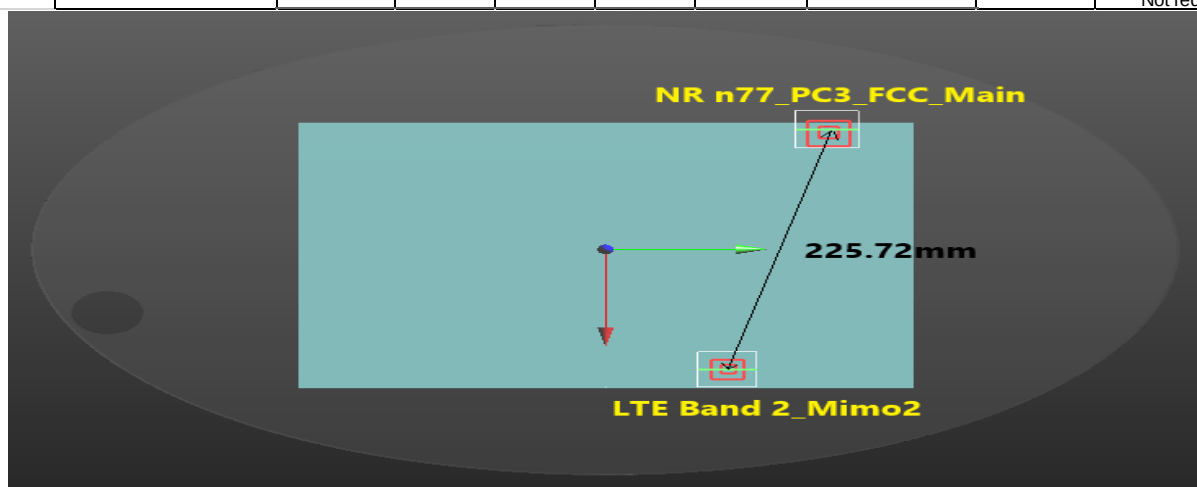
f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

ENDC

Scenario 1:									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom of Laptop	LTE Band 2_Mimo2	0.969	10.60	6.10	-0.29	-	-	-	-
	NR n5_Main	0.638	-10.69	10.74	-0.30	1.607	217.90	0.009	SPLSR ≤ 0.04, Not required
	NR n71_Main	0.706	-10.53	11.35	-0.29	1.675	217.72	0.010	SPLSR ≤ 0.04, Not required
	NR n48_Main	0.776	-11.90	7.76	-0.30	1.745	225.61	0.010	SPLSR ≤ 0.04, Not required
	NR n77_PC3_Main	1.194	-11.90	7.90	-0.29	2.163	225.72	0.014	SPLSR ≤ 0.04, Not required



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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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

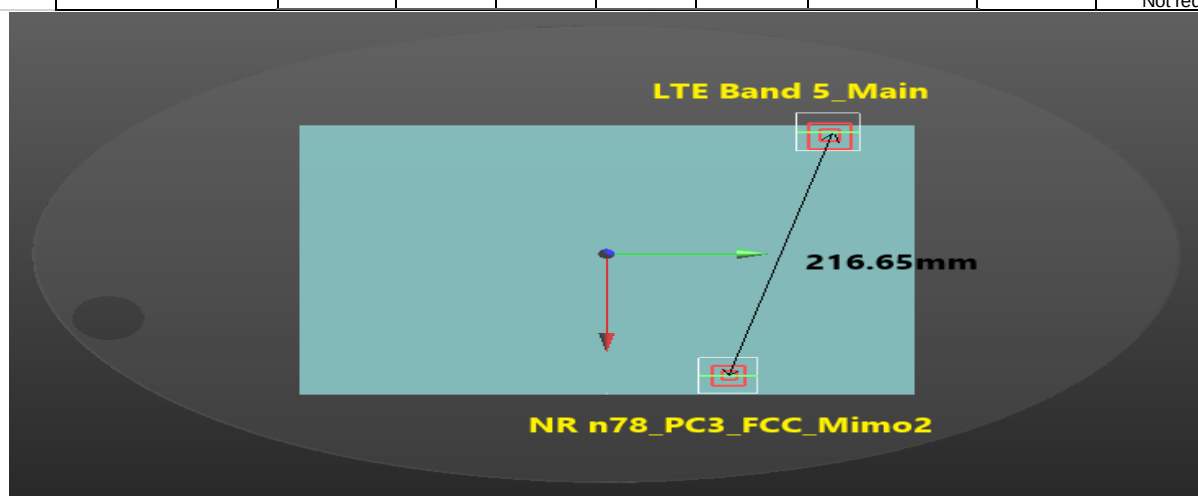
t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Scenario 2:									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			Σ SAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom of Laptop	LTE Band 5_Main	0.685	-9.93	11.51	-0.30	-	-	-	-
	NR n2_Mimo2	0.962	10.60	6.10	-0.29	1.647	212.31	0.010	SPLSR $\leq$ 0.04, Not required
	NR n66_Mimo2	1.009	10.76	5.55	-0.28	1.694	215.31	0.010	SPLSR $\leq$ 0.04, Not required
	NR n77_PC3_Mimo2	1.097	10.08	3.40	-0.32	1.782	215.91	0.011	SPLSR $\leq$ 0.04, Not required
	NR n78_PC3_Mimo2	1.080	10.20	3.50	-0.31	1.765	216.65	0.011	SPLSR $\leq$ 0.04, Not required



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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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

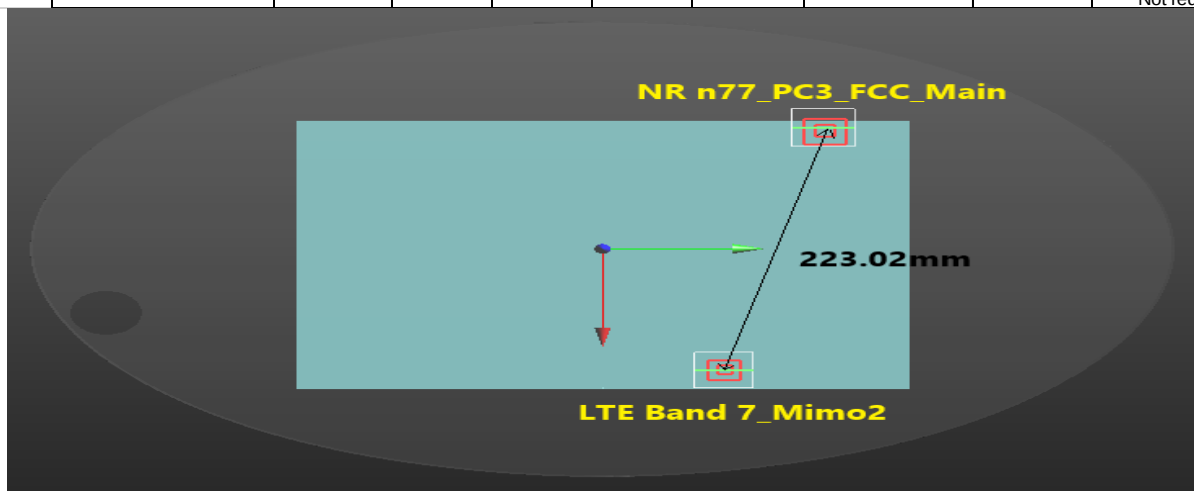
t (886-2) 2299-3279

f (886-2) 2298-0488

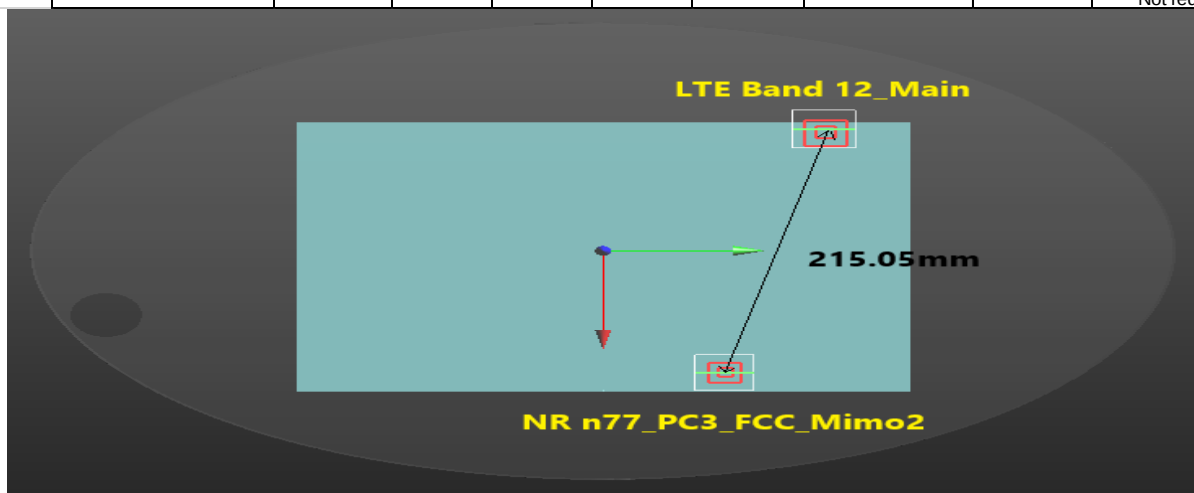
www.sgs.com.tw

Member of SGS Group

Scenario 3									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			Σ SAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom of Laptop	LTE Band 7_Mimo2	1.062	10.34	6.24	-0.28	-	-	-	-
	NR n5_Main	0.638	-10.68	10.74	-0.30	1.700	214.96	0.010	SPLSR $\leq$ 0.04, Not required
	NR n77_PC3_Main	1.194	-11.90	7.90	-0.29	2.256	223.02	0.015	SPLSR $\leq$ 0.04, Not required



Scenario 4									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			Σ SAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom of Laptop	LTE Band 12_Main	0.687	-9.78	11.65	-0.30	-	-	-	-
	NR n2_Mimo2	0.962	10.60	6.10	-0.29	1.649	211.22	0.010	SPLSR $\leq$ 0.04, Not required
	NR n66_Mimo2	1.009	10.76	5.55	-0.28	1.696	214.27	0.010	SPLSR $\leq$ 0.04, Not required
	NR n77_PC3_Mimo2	1.097	10.08	3.40	-0.32	1.784	215.05	0.011	SPLSR $\leq$ 0.04, Not required



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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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

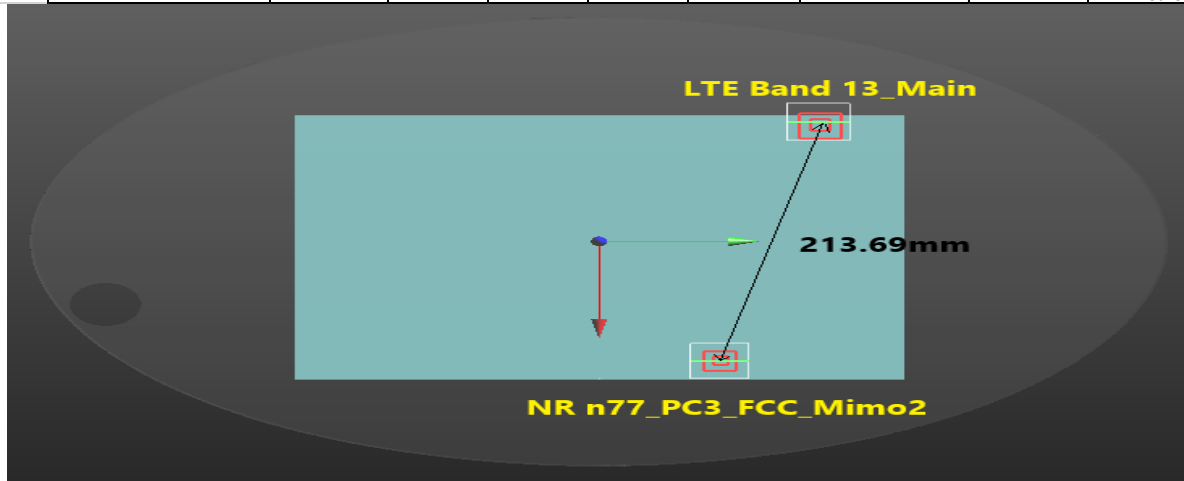
t (886-2) 2299-3279

f (886-2) 2298-0488

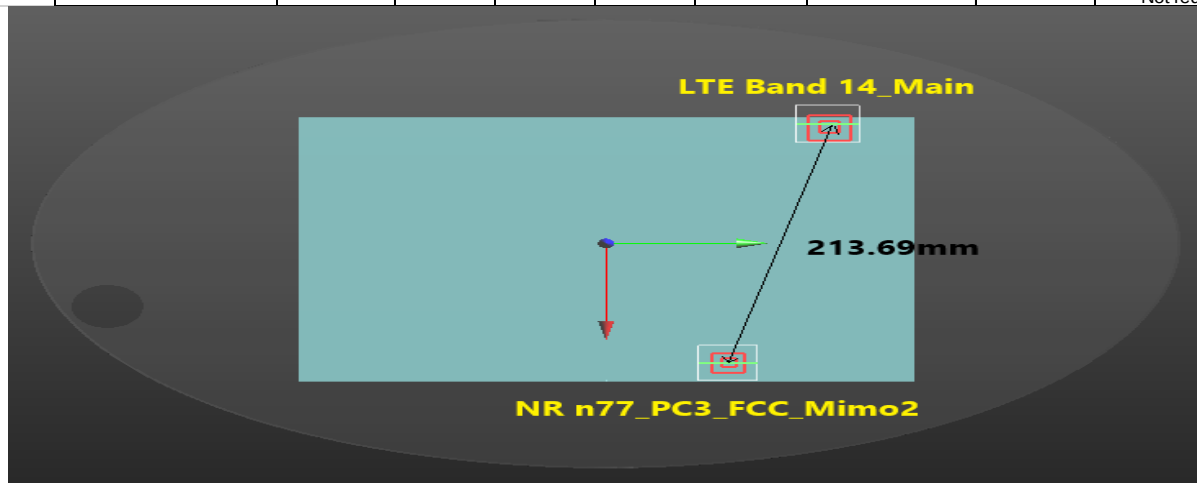
www.sgs.com.tw

Member of SGS Group

Scenario 5									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			Σ SAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom of Laptop	LTE Band 13_Main	1.093	-9.93	10.90	-0.30	-	-	-	-
	NR n2_Mimo2	0.962	10.60	6.10	-0.29	2.055	210.84	0.014	SPLSR $\leq$ 0.04, Not required
	NR n66_Mimo2	1.009	10.76	5.55	-0.28	2.102	213.71	0.014	SPLSR $\leq$ 0.04, Not required
	NR n77_PC3_Mimo2	1.097	10.08	3.40	-0.32	2.190	213.69	0.015	SPLSR $\leq$ 0.04, Not required



Scenario 6									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			Σ SAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom of Laptop	LTE Band 14_Main	1.067	-9.93	10.90	-0.31	-	-	-	-
	NR n2_Mimo2	0.962	10.60	6.10	-0.29	2.029	210.84	0.014	SPLSR $\leq$ 0.04, Not required
	NR n77_PC3_Mimo2	1.097	10.08	3.40	-0.32	2.164	213.69	0.015	SPLSR $\leq$ 0.04, Not required



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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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

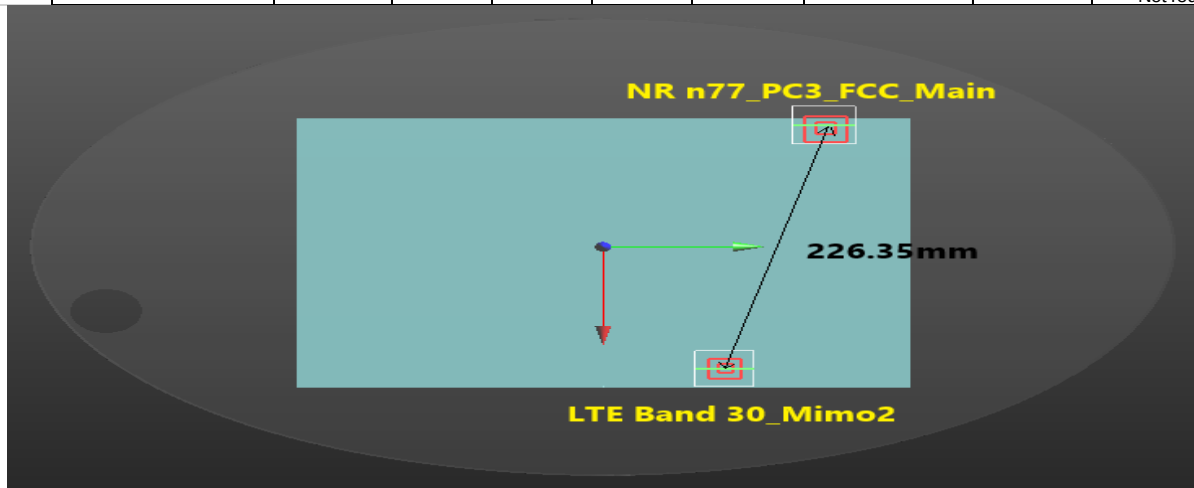
t (886-2) 2299-3279

f (886-2) 2298-0488

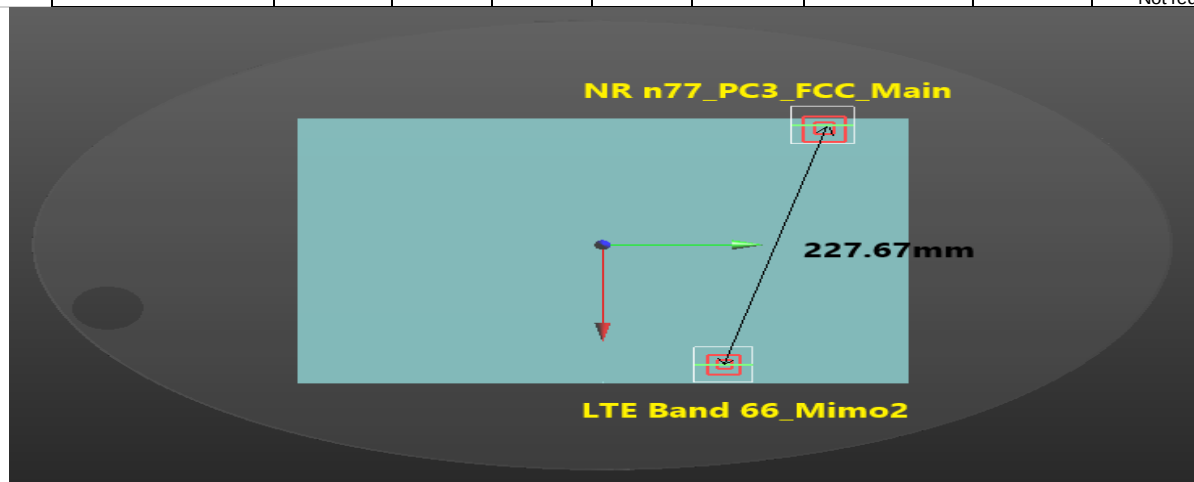
www.sgs.com.tw

Member of SGS Group

Scenario 7									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			Σ SAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom of Laptop	LTE Band 30_Mimo2	0.813	10.65	5.94	-0.28	-	-	-	-
	NR n77_PC3_Main	1.194	-11.90	7.90	-0.29	2.007	226.35	0.013	SPLSR $\leq$ 0.04, Not required



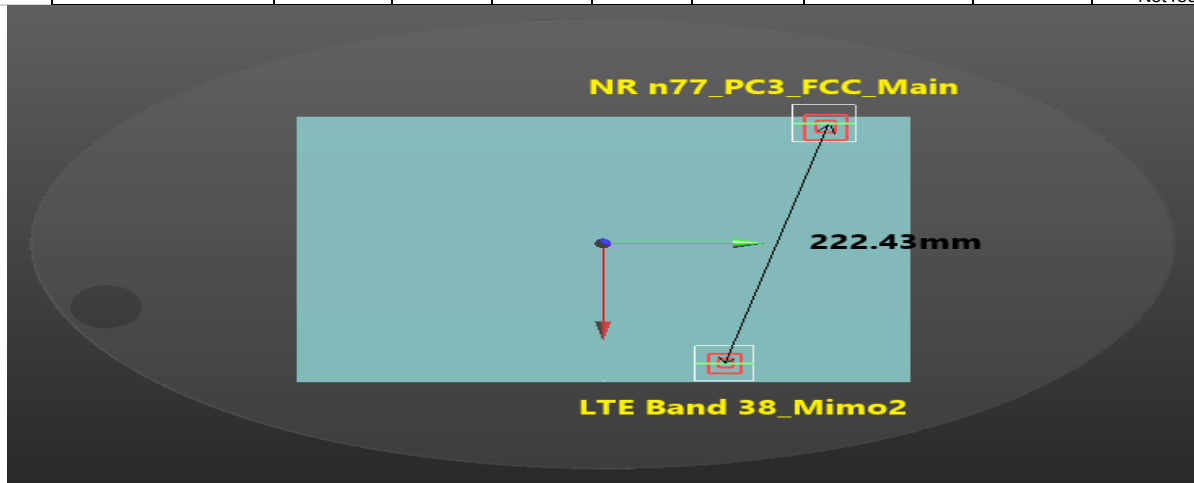
Scenario 8									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			Σ SAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom of Laptop	LTE Band 66_Mimo2	1.062	10.76	5.70	-0.28	-	-	-	-
	NR n5_Main	0.638	-10.69	10.74	-0.30	1.700	220.34	0.010	SPLSR $\leq$ 0.04, Not required
	NR n71_Main	0.706	-10.53	11.35	-0.29	1.768	220.27	0.011	SPLSR $\leq$ 0.04, Not required
	NR n41_PC3_Main	0.548	-10.28	11.12	-0.27	1.610	217.27	0.009	SPLSR $\leq$ 0.04, Not required
	NR n48_Main	0.776	-11.90	7.76	-0.30	1.838	227.53	0.011	SPLSR $\leq$ 0.04, Not required
	NR n77_PC3_Main	1.194	-11.90	7.90	-0.29	2.256	227.67	0.015	SPLSR $\leq$ 0.04, Not required



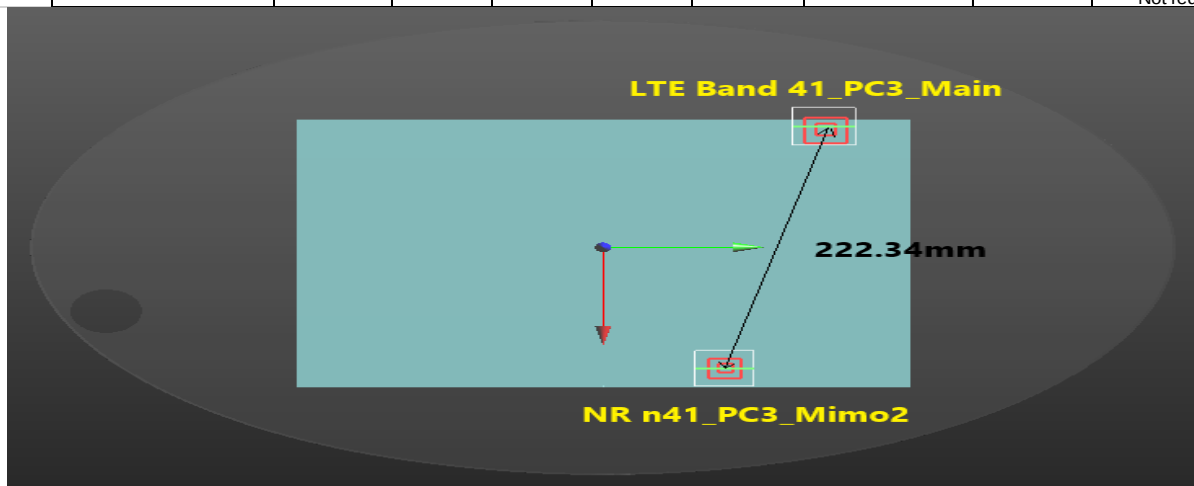
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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

Scenario 9									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			Σ SAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom of Laptop	LTE Band 38_Mimo2	1.049	10.24	5.76	-0.32	-	-	-	-
	NR n77_PC3_Main	1.194	-11.90	7.90	-0.29	2.243	222.43	0.015	SPLSR $\leq$ 0.04, Not required



Scenario 10									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			Σ SAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom of Laptop	LTE Band 41_PC3_Main	0.479	-11.62	9.04	-0.26	-	-	-	-
	NR n41_PC3_Mimo2	1.123	10.34	5.56	-0.31	2.172	222.34	0.014	SPLSR $\leq$ 0.04, Not required



7.4 Conclusion

The simultaneous transmission is compliant because both SAR sum and/or SPLSR are less than their corresponding criteria.

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

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

Equipment List					
Manufacturer	Device	Type	Serial number	Date of last calibration	Date of next calibration
SPEAG	Data acquisition Electronics	DAE4	1336	Aug/15/2024	Aug/14/2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	3770	May/24/2024	May/23/2025
SPEAG	System Validation Dipole	D750V3	1015	Sep/27/2024	Sep/26/2025
SPEAG	System Validation Dipole	D835V2	4d063	Sep/16/2024	Sep/15/2025
SPEAG	System Validation Dipole	D1750V2	1158	Aug/20/2024	Aug/19/2025
SPEAG	System Validation Dipole	D1900V2	5d173	Apr/25/2024	Apr/24/2025
SPEAG	System Validation Dipole	D2300V2	1009	Aug/22/2024	Aug/21/2025
SPEAG	System Validation Dipole	D2600V2	1005	Jan/22/2024	Jan/21/2025
SPEAG	System Validation Dipole	D3500V2	1009	Sep/26/2024	Sep/25/2025
SPEAG	System Validation Dipole	D3700V2	1057	Nov/21/2024	Nov/20/2025
SPEAG	System Validation Dipole	D3900V2	1032	Nov/22/2024	Nov/21/2025
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Feb/21/2024	Feb/20/2025
R&S	MXG Analog Signal Generator	SMB100A03	182996	Mar/29/2024	Mar/28/2025
Agilent	Dual-directional coupler	772D	MY46151258	Sep/30/2024	Sep/29/2025
Agilent	Dual-directional coupler	778D	MY46151242	Sep/03/2024	Sep/02/2025
EMCI	Amplifier	EMC 074225P	980155	Calibration not required	Calibration not required
EMCI	Amplifier	EMC 2830P	980156	Calibration not required	Calibration not required
Keysight	Power meter	E4417A	MY51410006	Mar/27/2024	Mar/26/2025
R&S	Power Sensor	NRP18S	101974	Nov/11/2024	Nov/10/2025
R&S	Power Sensor	NRP18S	109066	Oct/28/2024	Oct/27/2025
SPEAG	Software	DASY 52 V52.10.4	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration not required
R&S	Radio Communication Test	CMW 500	125470	May/17/2024	May/16/2025
TECPEL	Digital thermometer	DTM-303A	TP130077	Oct/14/2024	Oct/13/2025

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

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

9 UNCERTAINTY BUDGET

Measurement Uncertainty evaluation template for DUT SAR test (3-6G)

A	c	D	e		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.55%	N	1	1	1	1	6.55%	6.55%	∞
<i>Isotropy, Axial</i>	3.50%	R	√3	1.732	1	1	2.02%	2.02%	∞
<i>Isotropy, Hemispherical</i>	9.60%	R	√3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	∞
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	∞
Probe Positioning with respect to phantom shell	2.90%	R	√3	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	1.96%	N	1	1	0.64	0.43	1.25%	0.84%	M
Liquid Conductivity (mea.)	1.72%	N	1	1	0.6	0.49	1.03%	0.84%	M
Combined standard uncertainty		RSS					11.83%	11.77%	
Expan uncertainty (95% confidence interval), K=2							23.66%	23.53%	

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

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

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

Measurement Uncertainty evaluation template for DUT SAR test (0.3-3G)

A	c	D	e		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distribution	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.00%	N	1	1	1	1	6.00%	6.00%	∞
<i>Isotropy, Axial</i>	3.50%	R	$\sqrt{3}$	1.732	1	1	2.02%	2.02%	∞
<i>Isotropy, Hemispherical</i>	9.60%	R	$\sqrt{3}$	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	$\sqrt{3}$	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	$\sqrt{3}$	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	∞
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	∞
Response time	0.80%	R	$\sqrt{3}$	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	$\sqrt{3}$	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	$\sqrt{3}$	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	$\sqrt{3}$	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	$\sqrt{3}$	1.732	1	1	1.73%	1.73%	∞
Probe positioner Mechanical restrictions	0.40%	R	$\sqrt{3}$	1.732	1	1	0.23%	0.23%	∞
Probe Positioning with respect to phantom shell	2.90%	R	$\sqrt{3}$	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	$\sqrt{3}$	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	$\sqrt{3}$	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	3.01%	N	1	1	0.64	0.43	1.93%	1.29%	M
Liquid Conductivity (mea.)	2.86%	N	1	1	0.6	0.49	1.72%	1.40%	M
Combined standard uncertainty		RSS					11.71%	11.57%	
Expart uncertainty (95% confidence interval), K=2							23.41%	23.13%	

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

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

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

10 SAR MEASUREMENT RESULTS

Date: 2024/11/23

ID: 001

Report No. :TESA2411000798EN

WCDMA Band V_Body_Bottom of Laptop_CH 4183_0mm_Main

Communication System: WCDMA; Frequency: 836.6 MHz; Duty cycle= 1:1

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.915$ S/m; $\epsilon_r = 42.413$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.47, 9.47, 9.47) @ 836.6 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x81x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.923 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.317 V/m; Power Drift = -0.11 dB

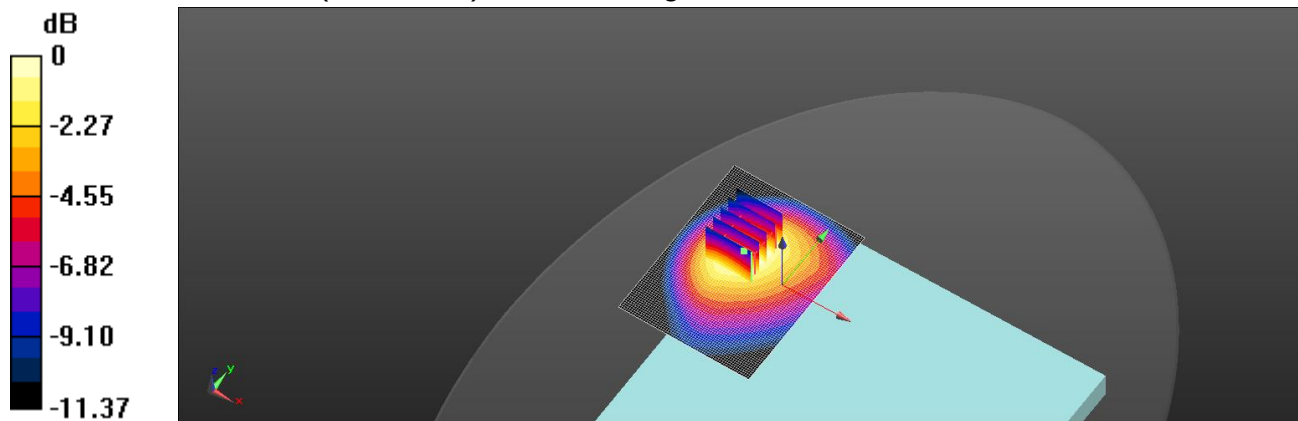
Peak SAR (extrapolated) = 0.998 W/kg

SAR(1 g) = 0.691 W/kg; SAR(10 g) = 0.465 W/kg

Smallest distance from peaks to all points 3 dB below = 18.7 mm

Ratio of SAR at M2 to SAR at M1 = 69.9%

Maximum value of SAR (measured) = 0.844 W/kg



0 dB = 0.844 W/kg = -0.74 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/23

ID: 002

Report No. :TESA2411000798EN

LTE Band 5 (10MHz)_Body_Bottom of Laptop_CH 20450_QPSK_1-0_0mm_Main

Communication System: LTE; Frequency: 829 MHz; Duty cycle= 1:1

Medium parameters used: $f = 829 \text{ MHz}$; $\sigma = 0.91 \text{ S/m}$; $\epsilon_r = 42.421$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.47, 9.47, 9.47) @ 829 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x81x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 0.912 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.307 V/m; Power Drift = -0.11 dB

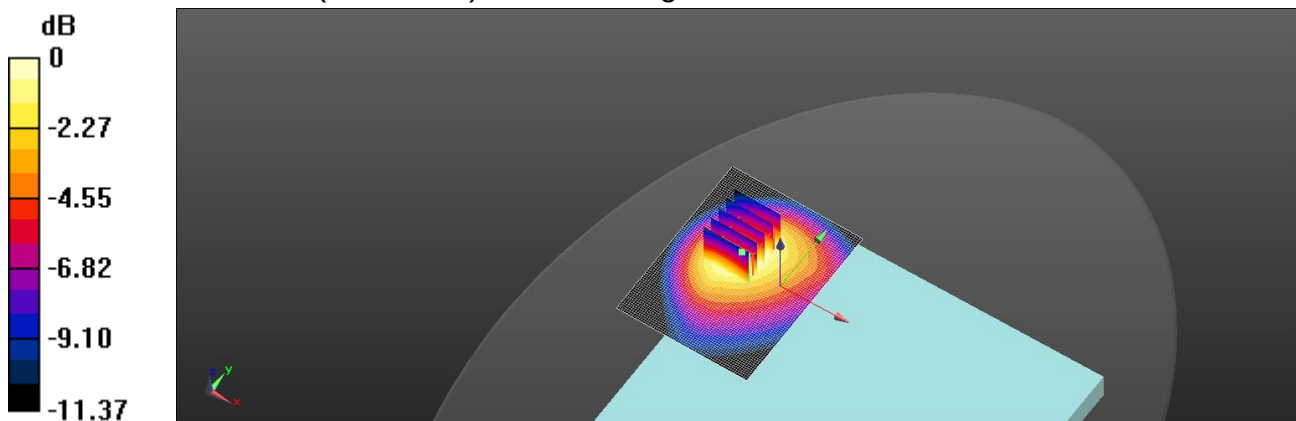
Peak SAR (extrapolated) = 0.985 W/kg

SAR(1 g) = 0.682 W/kg; SAR(10 g) = 0.459 W/kg

Smallest distance from peaks to all points 3 dB below = 18.7 mm

Ratio of SAR at M2 to SAR at M1 = 69.9%

Maximum value of SAR (measured) = 0.834 W/kg



0 dB = 0.834 W/kg = -0.79 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/21

ID: 003

Report No. :TESA2411000798EN

LTE Band 12 (10MHz)_Body_Bottom of Laptop_CH 23060_QPSK_1-0_0mm_Main

Communication System: LTE; Frequency: 704 MHz; Duty cycle= 1:1

Medium parameters used: $f = 704 \text{ MHz}$; $\sigma = 0.89 \text{ S/m}$; $\epsilon_r = 43.053$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.56, 9.56, 9.56) @ 704 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x81x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.896 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.661 V/m; Power Drift = 0.03 dB

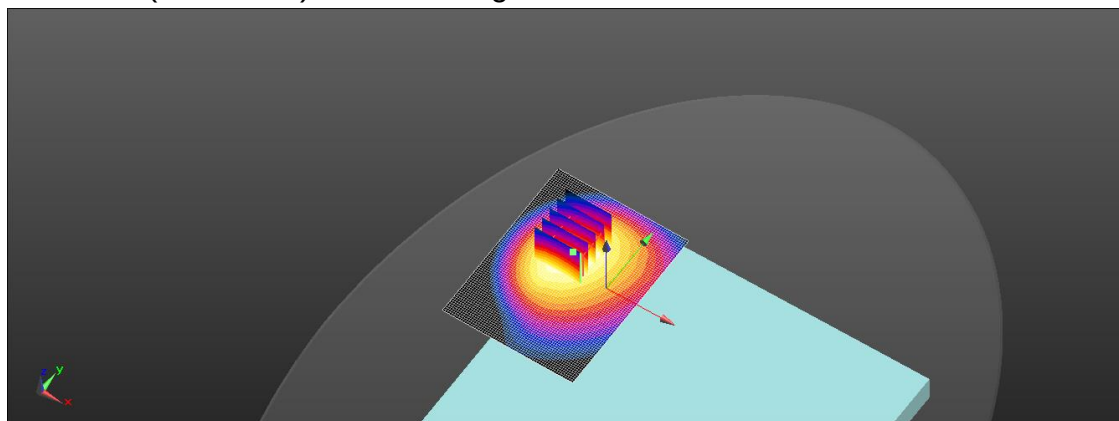
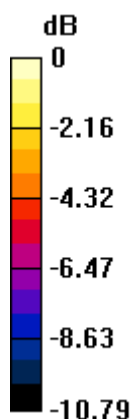
Peak SAR (extrapolated) = 0.949 W/kg

SAR(1 g) = 0.676 W/kg; SAR(10 g) = 0.469 W/kg

Smallest distance from peaks to all points 3 dB below = 23.6 mm

Ratio of SAR at M2 to SAR at M1 = 71.7%

Maximum value of SAR (measured) = 0.812 W/kg



0 dB = 0.812 W/kg = -0.90 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/21

ID: 004

Report No. :TESA2411000798EN

LTE Band 13 (10MHz)_Body_Bottom of Laptop_CH 23230_QPSK_1-0_0mm_Main

Communication System: LTE; Frequency: 782 MHz; Duty cycle= 1:1

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.902 \text{ S/m}$; $\epsilon_r = 42.963$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.56, 9.56, 9.56) @ 782 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x81x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 1.45 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.016 V/m; Power Drift = 0.14 dB

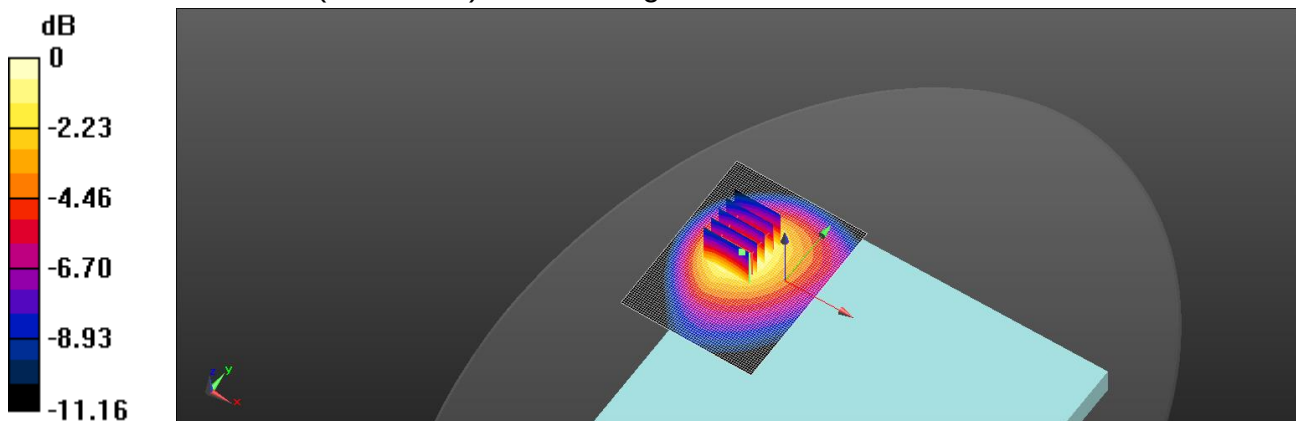
Peak SAR (extrapolated) = 1.58 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.723 W/kg

Smallest distance from peaks to all points 3 dB below = 21.8 mm

Ratio of SAR at M2 to SAR at M1 = 69%

Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg = 1.27 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/21

ID: 005

Report No. :TESA2411000798EN

LTE Band 14 (10MHz)_Body_Bottom of Laptop_CH 23330_QPSK_1-0_0mm_Main

Communication System: LTE; Frequency: 793 MHz; Duty cycle= 1:1

Medium parameters used: $f = 793 \text{ MHz}$; $\sigma = 0.903 \text{ S/m}$; $\epsilon_r = 42.951$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.56, 9.56, 9.56) @ 793 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x81x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 1.41 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.036 V/m; Power Drift = -0.04 dB

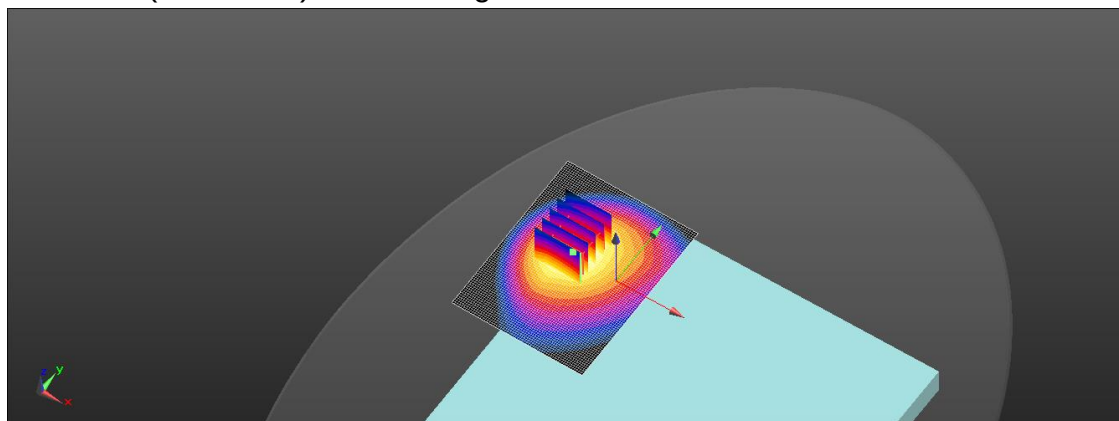
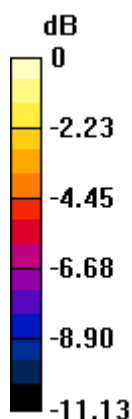
Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.708 W/kg

Smallest distance from peaks to all points 3 dB below = 21.8 mm

Ratio of SAR at M2 to SAR at M1 = 69%

Maximum value of SAR (measured) = 1.31 W/kg



0 dB = 1.31 W/kg = 1.17 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/21

ID: 006

Report No. :TESA2411000798EN

LTE Band 17 (10MHz)_Body_Bottom of Laptop_CH 23800_QPSK_1-0_0mm_Main

Communication System: LTE; Frequency: 711 MHz; Duty cycle= 1:1

Medium parameters used: $f = 711 \text{ MHz}$; $\sigma = 0.896 \text{ S/m}$; $\epsilon_r = 43.046$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.56, 9.56, 9.56) @ 711 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x81x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 0.795 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.499 V/m; Power Drift = 0.12 dB

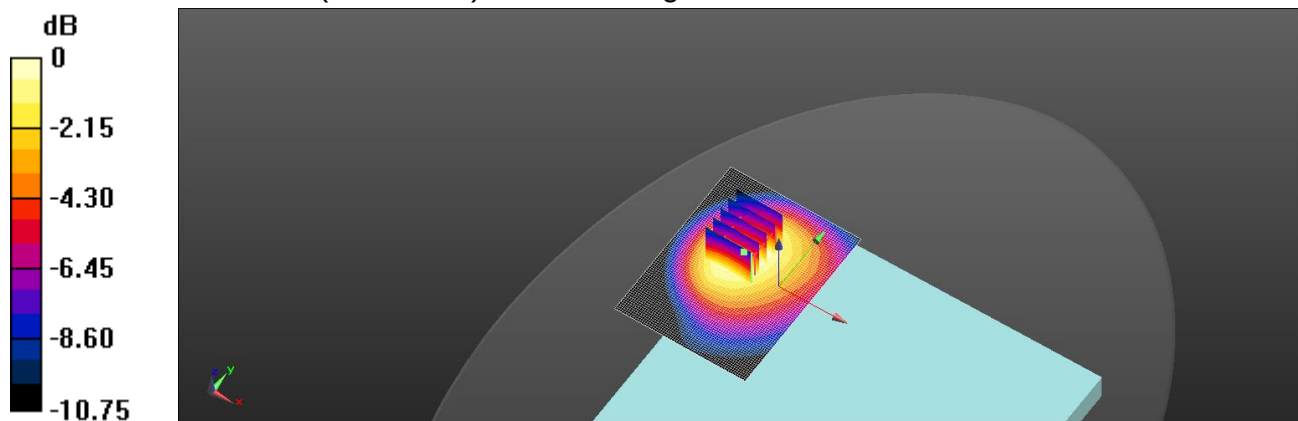
Peak SAR (extrapolated) = 0.849 W/kg

SAR(1 g) = 0.603 W/kg; SAR(10 g) = 0.418 W/kg

Smallest distance from peaks to all points 3 dB below = 22.7 mm

Ratio of SAR at M2 to SAR at M1 = 71.5%

Maximum value of SAR (measured) = 0.724 W/kg



0 dB = 0.724 W/kg = -1.40 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/23

ID: 007

Report No. :TESA2411000798EN

LTE Band 26 (15MHz)_Body_Bottom of Laptop_CH 26865_QPSK_1-0_0mm_FCC_Main

Communication System: LTE; Frequency: 831.5 MHz; Duty cycle= 1:1

Medium parameters used: $f = 831.5 \text{ MHz}$; $\sigma = 0.911 \text{ S/m}$; $\epsilon_r = 42.419$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.47, 9.47, 9.47) @ 831.5 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x81x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 0.832 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.181 V/m; Power Drift = -0.03 dB

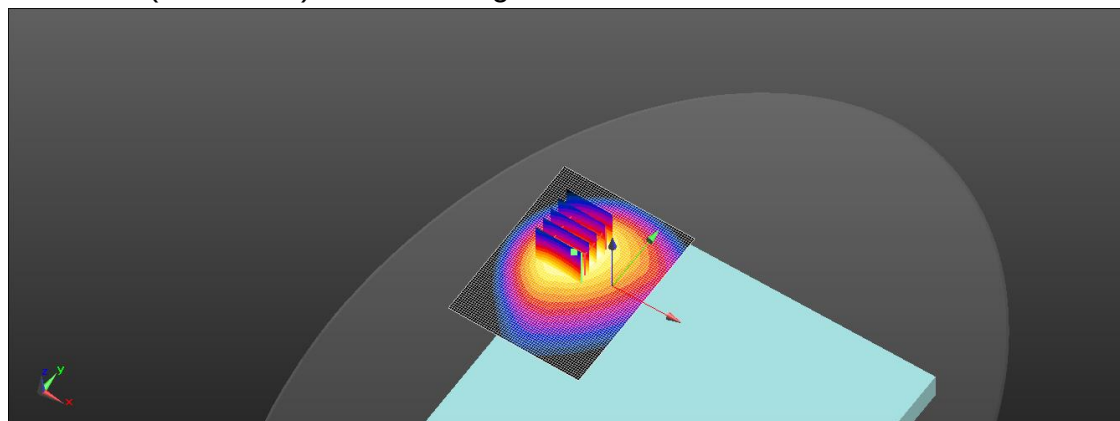
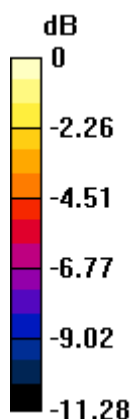
Peak SAR (extrapolated) = 0.899 W/kg

SAR(1 g) = 0.624 W/kg; SAR(10 g) = 0.420 W/kg

Smallest distance from peaks to all points 3 dB below = 18.7 mm

Ratio of SAR at M2 to SAR at M1 = 70.1%

Maximum value of SAR (measured) = 0.761 W/kg



0 dB = 0.761 W/kg = -1.19 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/21

ID: 009

Report No. :TESA2411000798EN

LTE Band 71 (20MHz)_Body_Bottom of Laptop_CH 133372_QPSK_1-0_IC_0mm_Main

Communication System: LTE; Frequency: 688 MHz; Duty cycle= 1:1

Medium parameters used: $f = 688 \text{ MHz}$; $\sigma = 0.889 \text{ S/m}$; $\epsilon_r = 43.072$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.56, 9.56, 9.56) @ 688 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x81x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 1.34 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.814 V/m; Power Drift = -0.06 dB

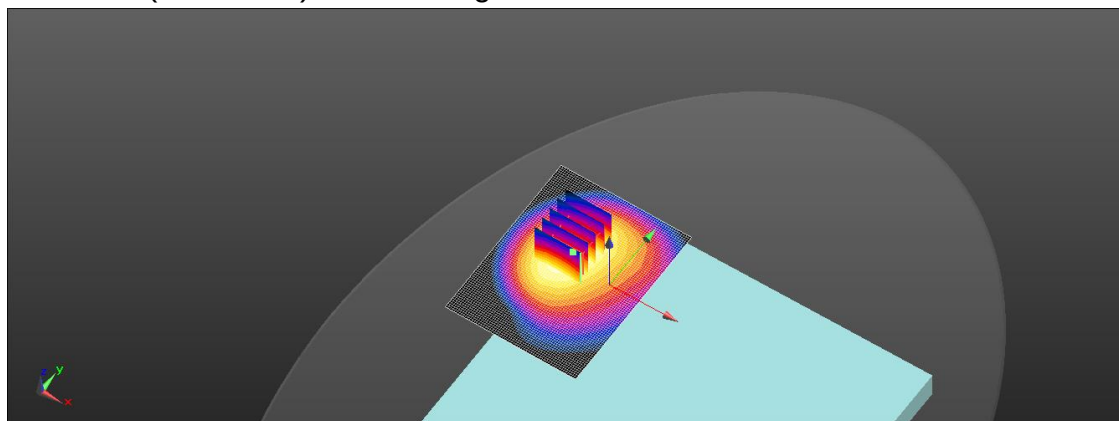
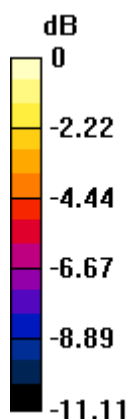
Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.684 W/kg

Smallest distance from peaks to all points 3 dB below = 21.8 mm

Ratio of SAR at M2 to SAR at M1 = 70.1%

Maximum value of SAR (measured) = 1.23 W/kg



0 dB = 1.23 W/kg = 0.90 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/29

ID: 010

Report No. :TESA2411000798EN

LTE Band 41 (20MHz)_Body_Bottom of Laptop_CH 41055_QPSK_1-0_0mm_PC3_Main

Communication System: LTE; Frequency: 2636.5 MHz; Duty cycle= 1:1.58

Medium parameters used: $f = 2636.5$ MHz; $\sigma = 2.012$ S/m; $\epsilon_r = 39.744$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.42, 7.42, 7.42) @ 2636.5 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.613 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.649 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.799 W/kg

SAR(1 g) = 0.476 W/kg; SAR(10 g) = 0.261 W/kg

Smallest distance from peaks to all points 3 dB below = 7.3 mm

Ratio of SAR at M2 to SAR at M1 = 54.9%

Maximum value of SAR (measured) = 0.607 W/kg

Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.649 V/m; Power Drift = -0.05 dB

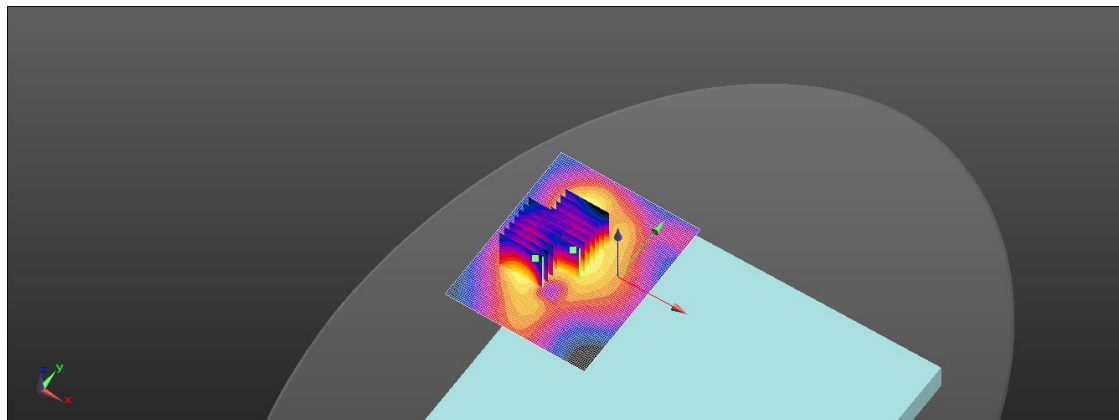
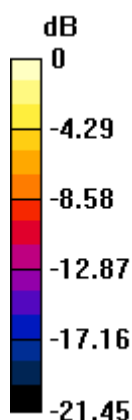
Peak SAR (extrapolated) = 0.797 W/kg

SAR(1 g) = 0.419 W/kg; SAR(10 g) = 0.249 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 55.5%

Maximum value of SAR (measured) = 0.591 W/kg



0 dB = 0.591 W/kg = -2.28 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/12/9

ID: 012

Report No.: TESA2411000798EN

LTE Band 48 (20MHz)_Body_Bottom of Laptop_CH 56150_QPSK_1-0_0mm_Main

Communication System: LTE; Frequency: 3641 MHz; Duty cycle= 1:1.58

Medium parameters used: $f = 3641$ MHz; $\sigma = 3.09$ S/m; $\epsilon_r = 38.224$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.77, 6.77, 6.77) @ 3641 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.798 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 2.138 V/m; Power Drift = 0.13 dB

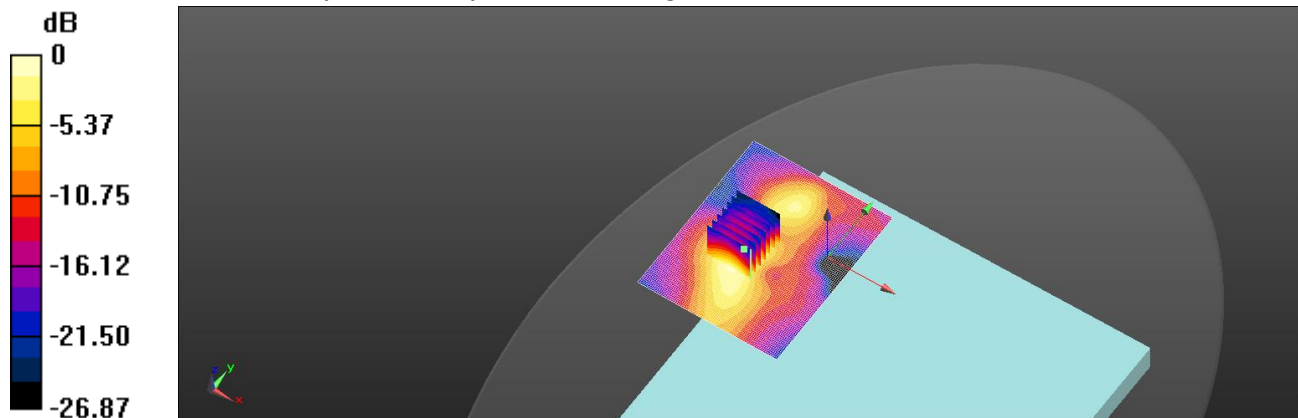
Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.473 W/kg; SAR(10 g) = 0.196 W/kg

Smallest distance from peaks to all points 3 dB below = 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 55.1%

Maximum value of SAR (measured) = 0.730 W/kg



0 dB = 0.730 W/kg = -1.37 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/26

ID: 013

Report No. :TESA2411000798EN

NR n2 (20MHz)_Body_Bottom of Laptop_CH 372000_Pi/2 BPSK_1-53_0mm_Main

Communication System: 5G NR (20 MHz,Pi/2 BPSK, 15kHz); Frequency: 1860 MHz; Duty cycle= 1:1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.426$ S/m; $\epsilon_r = 40.868$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.96, 7.96, 7.96) @ 1860 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.01 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.086 V/m; Power Drift = -0.06 dB

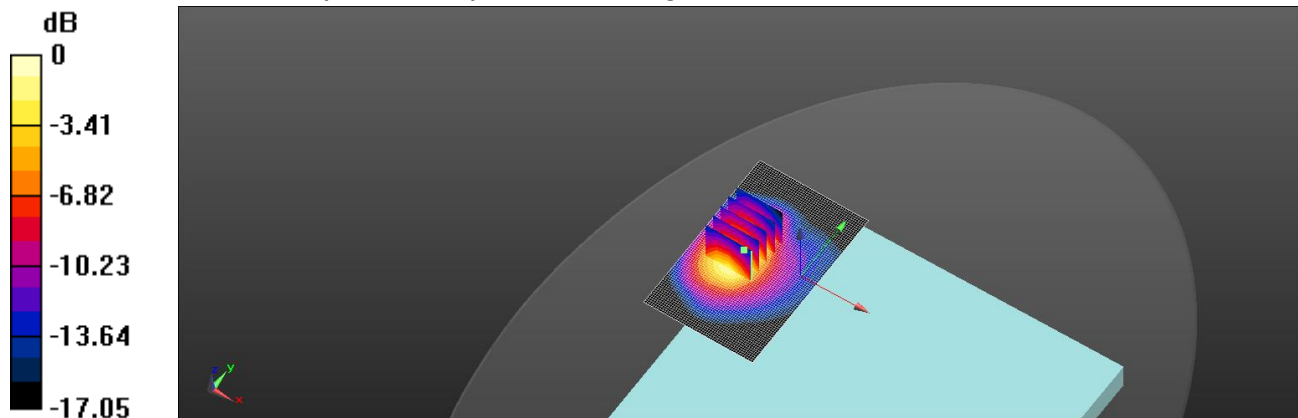
Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.702 W/kg; SAR(10 g) = 0.460 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 61.5%

Maximum value of SAR (measured) = 0.827 W/kg



0 dB = 0.827 W/kg = -0.82 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/23

ID: 014

Report No. :TESA2411000798EN

NR n5 (20MHz)_Body_Bottom of Laptop_CH 166800_Pi/2 BPSK_1-1_0mm_Main

Communication System: 5G NR (20 MHz, Pi/2 BPSK, 15kHz); Frequency: 834 MHz; Duty cycle= 1:1

Medium parameters used: $f = 834 \text{ MHz}$; $\sigma = 0.912 \text{ S/m}$; $\epsilon_r = 42.416$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.47, 9.47, 9.47) @ 834 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x81x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.773 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.398 V/m; Power Drift = -0.07 dB

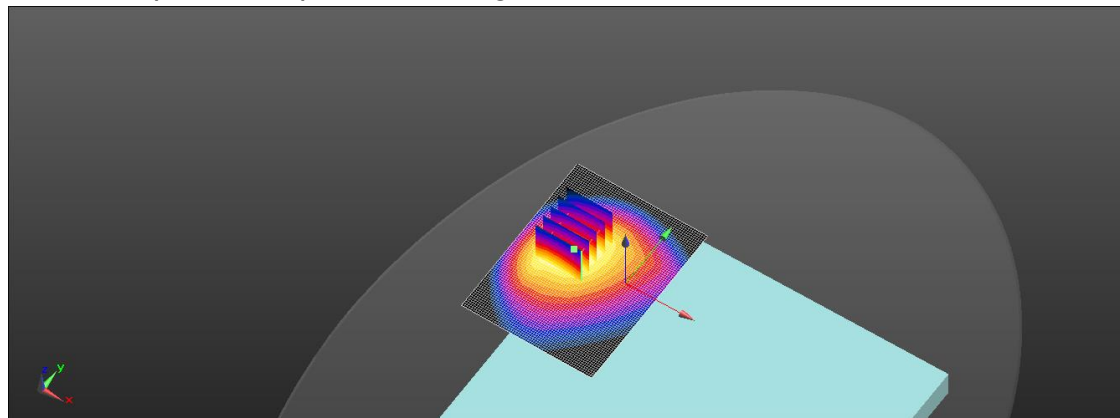
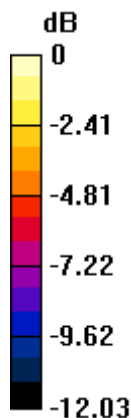
Peak SAR (extrapolated) = 0.886 W/kg

SAR(1 g) = 0.597 W/kg; SAR(10 g) = 0.390 W/kg

Smallest distance from peaks to all points 3 dB below = 17.9 mm

Ratio of SAR at M2 to SAR at M1 = 68%

Maximum value of SAR (measured) = 0.750 W/kg



0 dB = 0.750 W/kg = -1.25 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/21

ID: 015

Report No. :TESA2411000798EN

NR n12 (15MHz)_Body_Bottom of Laptop_CH 141300_Pi/2 BPSK_1-1_0mm_Main

Communication System: 5G NR (15 MHz, Pi/2 BPSK, 15 kHz); Frequency: 706.5 MHz; Duty cycle= 1:1

Medium parameters used: $f = 706.5$ MHz; $\sigma = 0.891$ S/m; $\epsilon_r = 43.051$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.56, 9.56, 9.56) @ 706.5 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.13 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.855 V/m; Power Drift = -0.11 dB

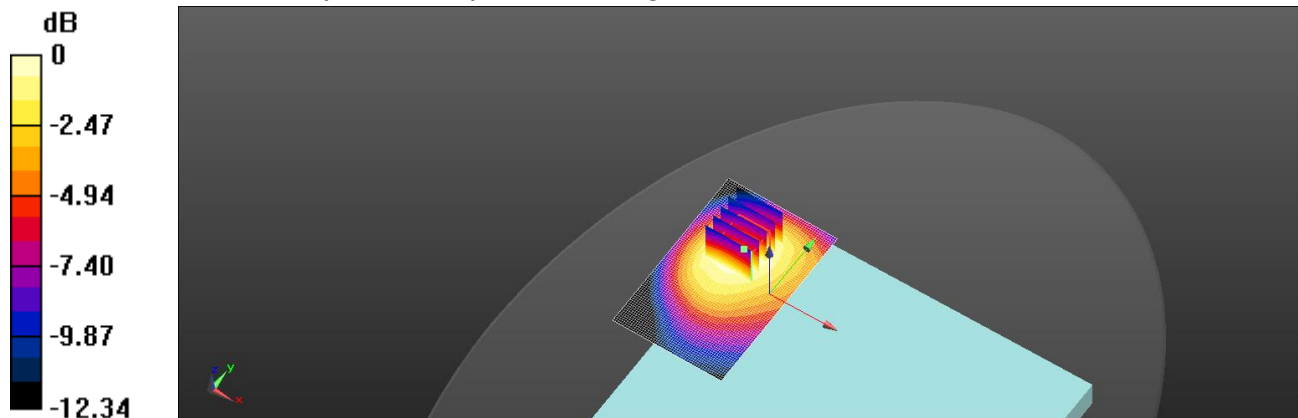
Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.815 W/kg; SAR(10 g) = 0.544 W/kg

Smallest distance from peaks to all points 3 dB below = 24.4 mm

Ratio of SAR at M2 to SAR at M1 = 64.9%

Maximum value of SAR (measured) = 1.06 W/kg



0 dB = 1.06 W/kg = 0.25 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/21

ID: 016

Report No. :TESA2411000798EN

NR n14 (10MHz)_Body_Bottom of Laptop_CH 158600_Pi/2 BPSK_50-0_0mm_Main

Communication System: 5G NR (10 MHz,Pi/2 BPSK, 15 kHz); Frequency: 793 MHz; Duty cycle= 1:1

Medium parameters used: $f = 793 \text{ MHz}$; $\sigma = 0.903 \text{ S/m}$; $\epsilon_r = 42.951$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.56, 9.56, 9.56) @ 793 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.45 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.461 V/m; Power Drift = 0.09 dB

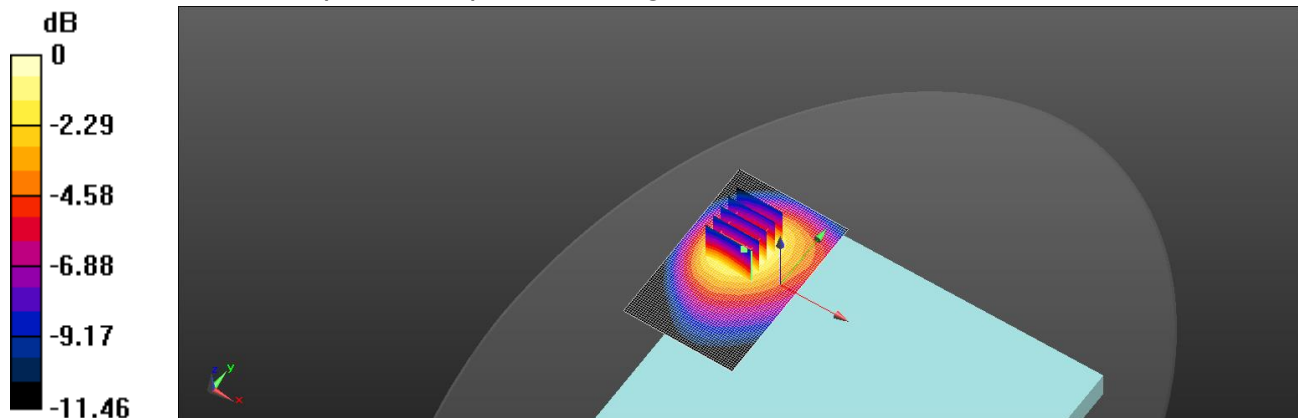
Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.762 W/kg

Smallest distance from peaks to all points 3 dB below = 20.4 mm

Ratio of SAR at M2 to SAR at M1 = 67.4%

Maximum value of SAR (measured) = 1.48 W/kg



0 dB = 1.48 W/kg = 1.70 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/26

ID: 017

Report No. :TESA2411000798EN

NR n25 (20MHz)_Body_Bottom of Laptop_CH 372000_Pi/2 BPSK_1-53_0mm_Main

Communication System: 5G NR (20 MHz, Pi/2 BPSK, 15kHz); Frequency: 1860 MHz; Duty cycle= 1:1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.426$ S/m; $\epsilon_r = 40.868$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.96, 7.96, 7.96) @ 1860 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.854 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.914 V/m; Power Drift = 0.16 dB

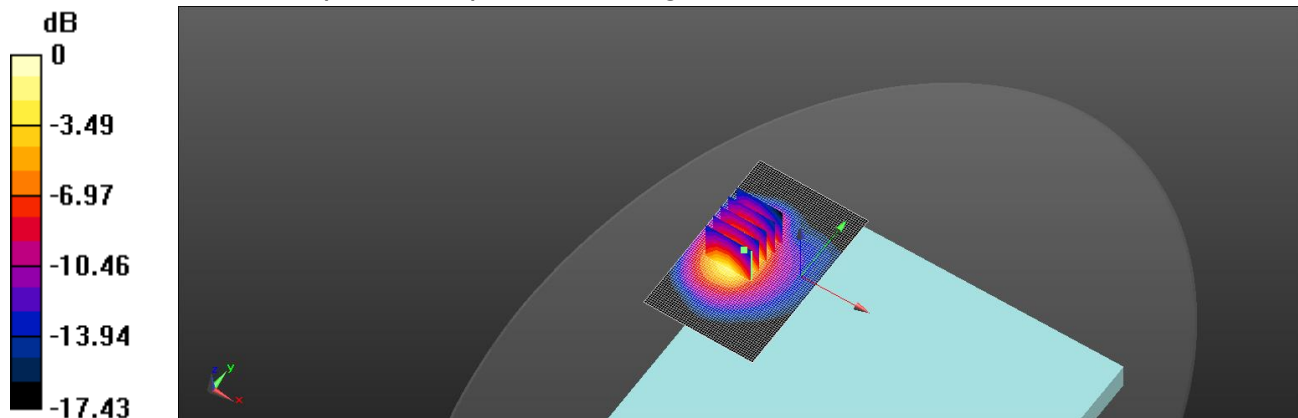
Peak SAR (extrapolated) = 0.987 W/kg

SAR(1 g) = 0.685 W/kg; SAR(10 g) = 0.448 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 58.9%

Maximum value of SAR (measured) = 0.809 W/kg



0 dB = 0.809 W/kg = -0.92 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/23

ID: 018

Report No. :TESA2411000798EN

NR n26 (20MHz)_Body_Bottom of Laptop_CH 166300_Pi/2 BPSK_1-1_0mm_Main

Communication System: 5G NR (20 MHz, Pi/2 BPSK, 15kHz); Frequency: 831.5 MHz; Duty cycle= 1:1

Medium parameters used: $f = 831.5 \text{ MHz}$; $\sigma = 0.911 \text{ S/m}$; $\epsilon_r = 42.419$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.47, 9.47, 9.47) @ 831.5 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.823 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.078 V/m; Power Drift = -0.01 dB

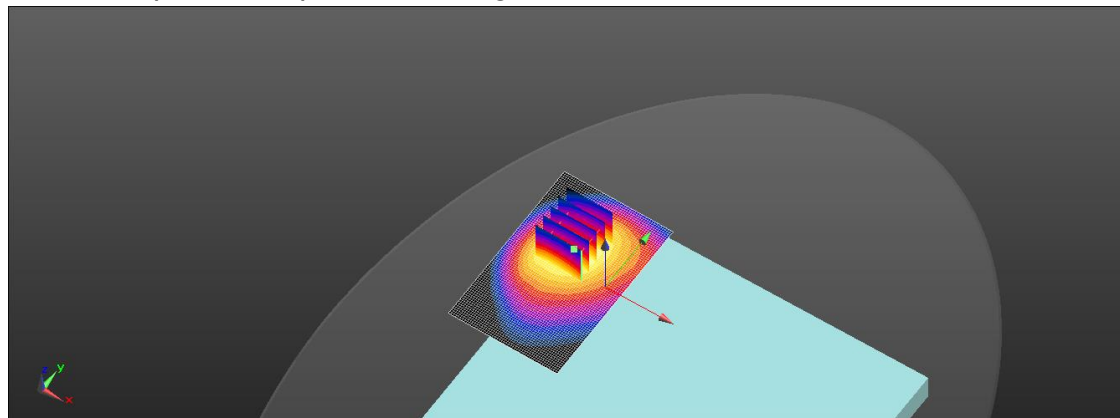
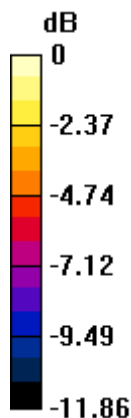
Peak SAR (extrapolated) = 0.942 W/kg

SAR(1 g) = 0.623 W/kg; SAR(10 g) = 0.408 W/kg

Smallest distance from peaks to all points 3 dB below = 19.3 mm

Ratio of SAR at M2 to SAR at M1 = 66.7%

Maximum value of SAR (measured) = 0.827 W/kg



0 dB = 0.827 W/kg = -0.82 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/21

ID: 019

Report No. :TESA2411000798EN

NR n71 (20MHz)_Body_Bottom of Laptop_CH 137600_Pi/2 BPSK_1-1_0mm_Main

Communication System: 5G NR (20 MHz, Pi/2 BPSK, 15kHz); Frequency: 688 MHz; Duty cycle= 1:1

Medium parameters used: $f = 688 \text{ MHz}$; $\sigma = 0.889 \text{ S/m}$; $\epsilon_r = 43.072$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.56, 9.56, 9.56) @ 688 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x81x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.905 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.757 V/m; Power Drift = -0.10 dB

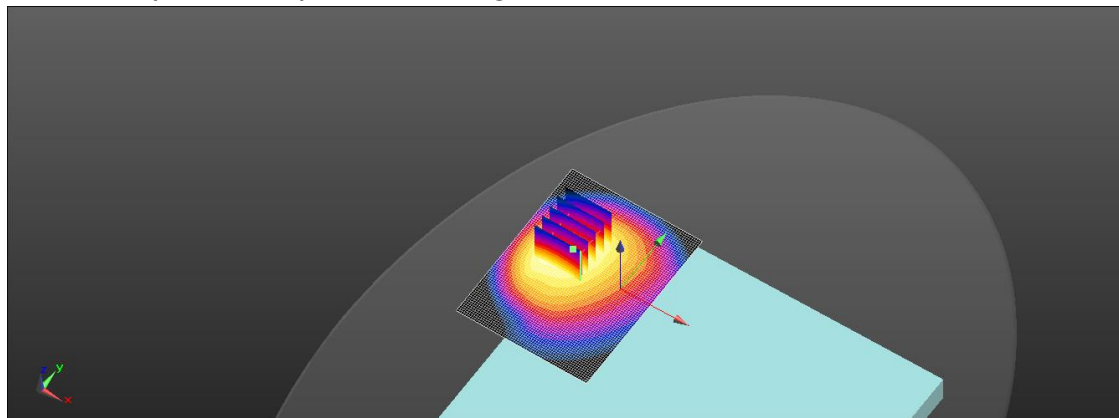
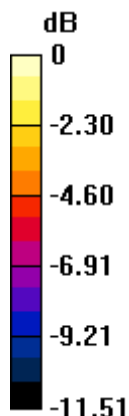
Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.701 W/kg; SAR(10 g) = 0.470 W/kg

Smallest distance from peaks to all points 3 dB below = 23.1 mm

Ratio of SAR at M2 to SAR at M1 = 69.1%

Maximum value of SAR (measured) = 0.858 W/kg



0 dB = 0.858 W/kg = -0.67 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/29

ID: 020

Report No. :TESA2411000798EN

NR n41 (100MHz)_Body_Bottom of Laptop_CH 528000_Pi/2 BPSK_1-1_0mm_PC3_Main

Communication System: 5G NR (100 MHz, Pi/2 BPSK, 30 kHz); Frequency: 2640 MHz; Duty cycle= 1:1

Medium parameters used: $f = 2640 \text{ MHz}$; $\sigma = 2.016 \text{ S/m}$; $\epsilon_r = 39.739$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.42, 7.42, 7.42) @ 2640 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.692 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.452 V/m; Power Drift = 0.04 dB

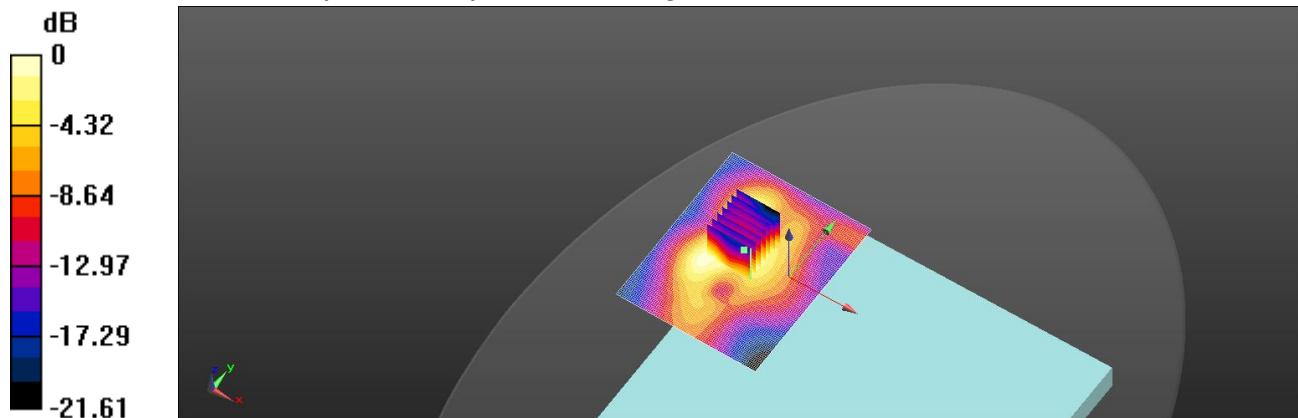
Peak SAR (extrapolated) = 0.852 W/kg

SAR(1 g) = 0.532 W/kg; SAR(10 g) = 0.324 W/kg

Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 52.4%

Maximum value of SAR (measured) = 0.630 W/kg



0 dB = 0.630 W/kg = -2.01 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/12/9

ID: 021

Report No. :TESA2411000798EN

NR n48 (40MHz)_Body_Bottom of Laptop_CH 641668_Pi/2 BPSK_1-1_0mm_Main

Communication System: 5G NR (40 MHz,Pi/2 BPSK, 30kHz); Frequency: 3625.02 MHz; Duty cycle= 1:1

Medium parameters used: $f = 3625.02$ MHz; $\sigma = 3.073$ S/m; $\epsilon_r = 38.243$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.77, 6.77, 6.77) @ 3625.02 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.40 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 2.267 V/m; Power Drift = 0.01 dB

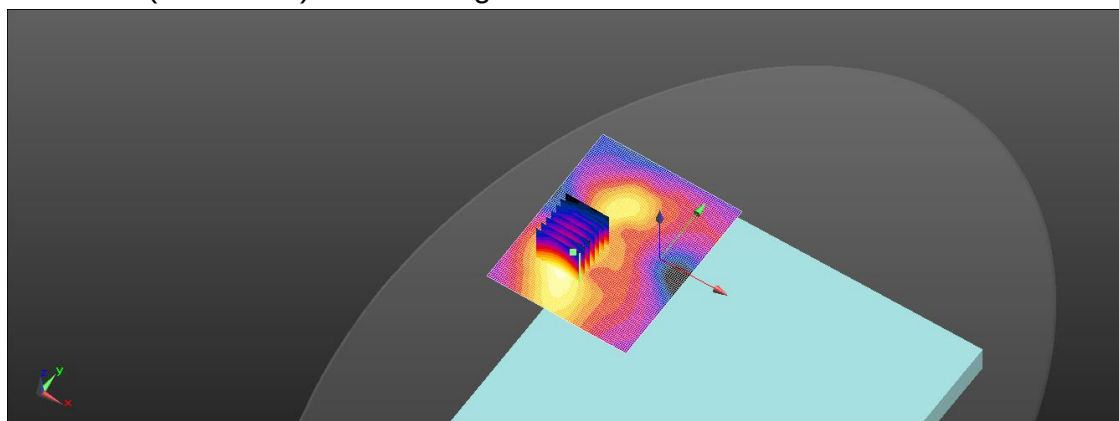
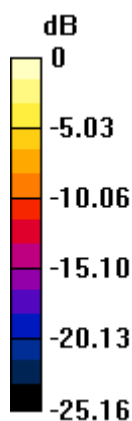
Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.719 W/kg; SAR(10 g) = 0.308 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 55.2%

Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 1.10 W/kg = 0.41 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/12/13

ID: 022

Report No. :TESA2411000798EN

NR n77 (100MHz)_Body_Bottom of Laptop_CH 659000_Pi/2 BPSK_1-1_0mm_PC3_FCC_Main

Communication System: 5G NR (100 MHz,Pi/2 BPSK, 30 kHz); Frequency: 3885 MHz; Duty cycle= 1:1

Medium parameters used: $f = 3885 \text{ MHz}$; $\sigma = 3.353 \text{ S/m}$; $\epsilon_r = 37.794$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.37, 6.37, 6.37) @ 3885 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 2.02 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 2.743 V/m; Power Drift = 0.13 dB

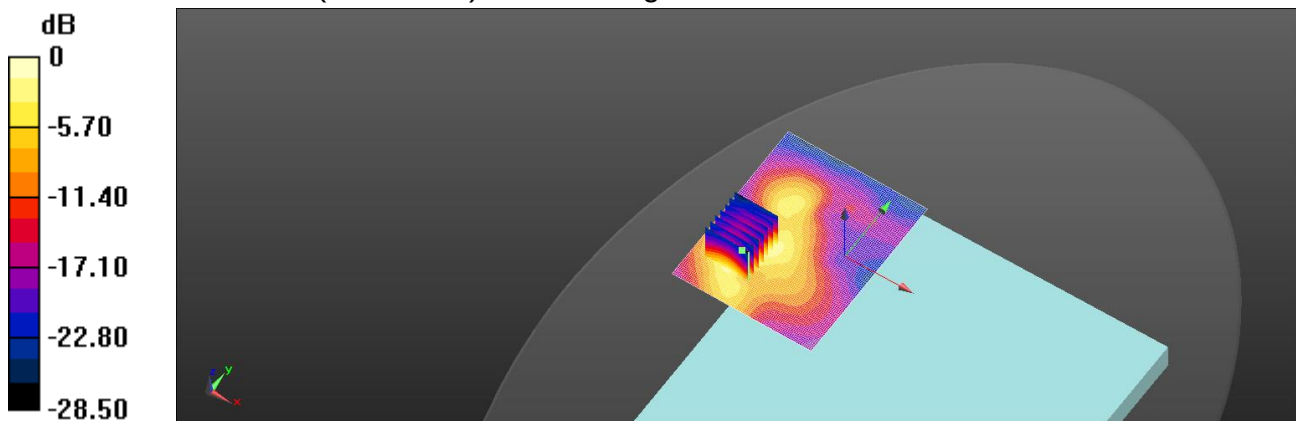
Peak SAR (extrapolated) = 2.68 W/kg

SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.457 W/kg

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 51.8%

Maximum value of SAR (measured) = 1.83 W/kg



0 dB = 1.83 W/kg = 2.62 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/12/13

ID: 023

Report No. :TESA2411000798EN

NR n77 (100MHz)_Body_Bottom of Laptop_CH 659000_Pi/2 BPSK_1-1_0mm_PC2_FCC_Main

Communication System: 5G NR (100 MHz,Pi/2 BPSK, 30 kHz); Frequency: 3885 MHz; Duty cycle= 1:1

Medium parameters used: $f = 3885 \text{ MHz}$; $\sigma = 3.353 \text{ S/m}$; $\epsilon_r = 37.794$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.37, 6.37, 6.37) @ 3885 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.531 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 1.044 V/m; Power Drift = 0.05 dB

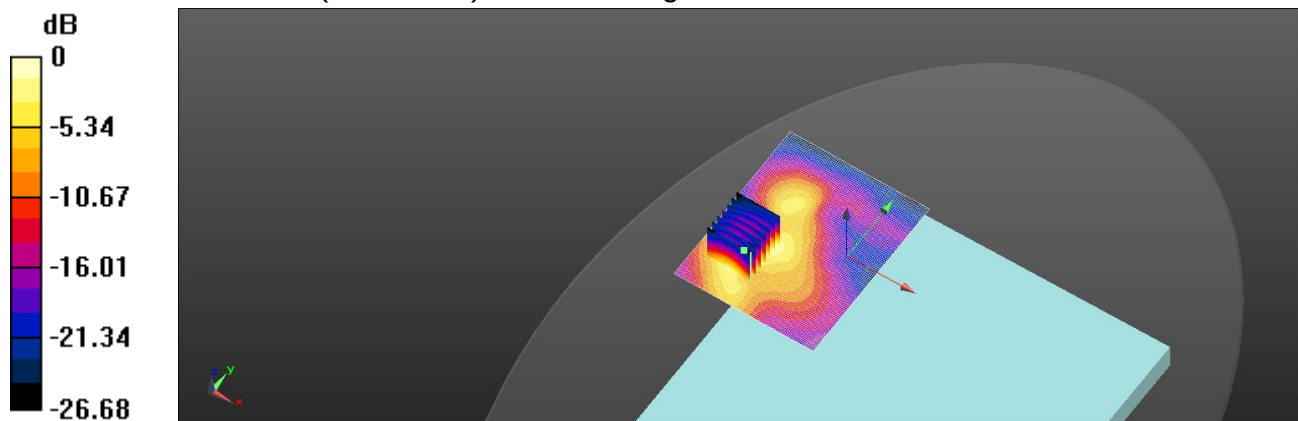
Peak SAR (extrapolated) = 0.707 W/kg

SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.238 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 51.1%

Maximum value of SAR (measured) = 0.479 W/kg



0 dB = 0.479 W/kg = -3.20 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/12/5

ID: 024

Report No. :TESA2411000798EN

NR n77 & n78 (100MHz)_Body_Bottom of Laptop_CH 633333_Pi/2 BPSK_1-1_0mm_PC3_FCC_Main

Communication System: 5G NR (100 MHz,Pi/2 BPSK, 30 kHz); Frequency: 3499.995 MHz; Duty cycle= 1:1

Medium parameters used: $f = 3499.995$ MHz; $\sigma = 2.926$ S/m; $\epsilon_r = 38.642$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.78, 6.78, 6.78) @ 3499.995 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.69 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 2.423 V/m; Power Drift = -0.15 dB

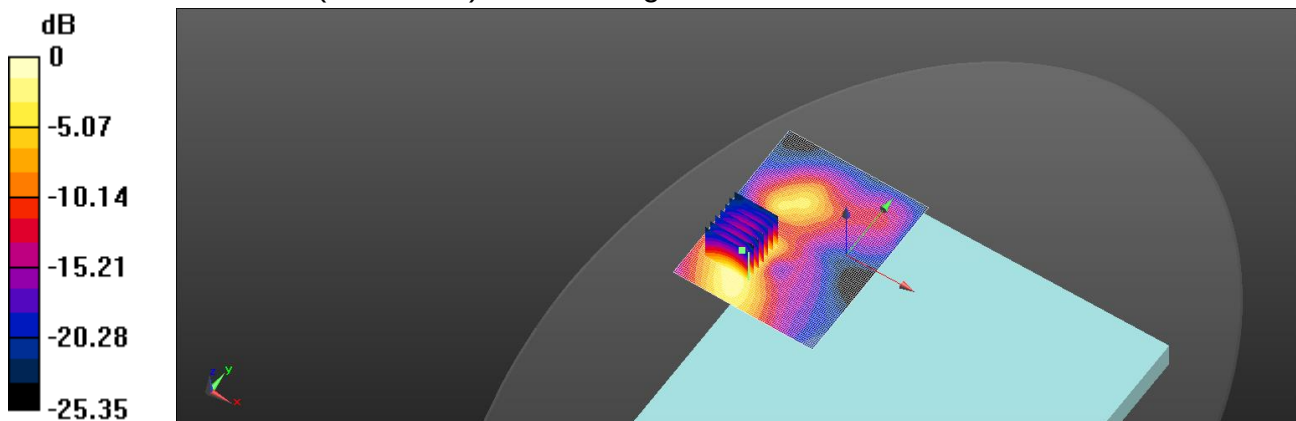
Peak SAR (extrapolated) = 2.19 W/kg

SAR(1 g) = 0.980 W/kg; SAR(10 g) = 0.398 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 54.5%

Maximum value of SAR (measured) = 1.49 W/kg



0 dB = 1.49 W/kg = 1.73 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/12/5

ID: 025

Report No. :TESA2411000798EN

NR n77 & n78 (100MHz)_Body_Bottom of Laptop_CH 633333_Pi/2 BPSK_1-1_0mm_PC2_FCC_Main

Communication System: 5G NR (100 MHz,Pi/2 BPSK, 30 kHz); Frequency: 3499.995 MHz; Duty cycle= 1:1

Medium parameters used: $f = 3499.995$ MHz; $\sigma = 2.926$ S/m; $\epsilon_r = 38.642$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.78, 6.78, 6.78) @ 3499.995 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.272 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 1.411 V/m; Power Drift = -0.08 dB

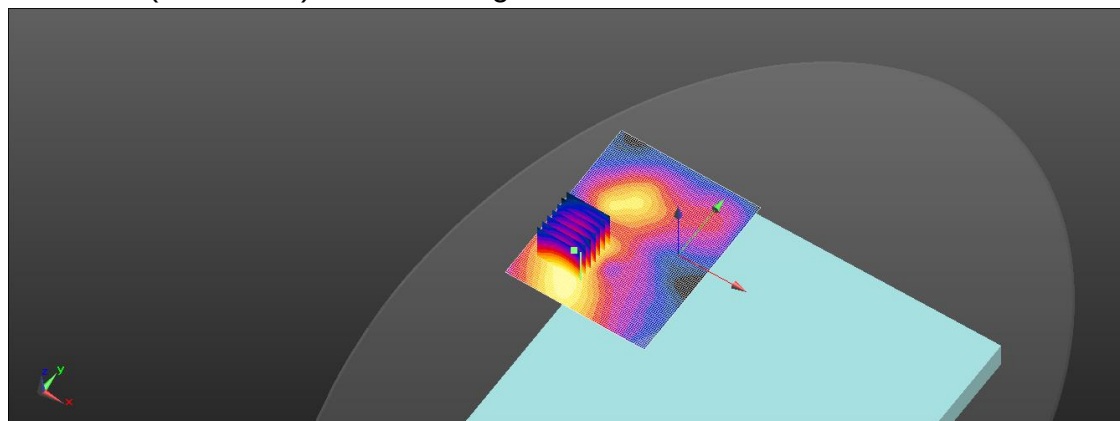
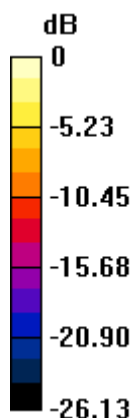
Peak SAR (extrapolated) = 0.351 W/kg

SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.141 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 54.4%

Maximum value of SAR (measured) = 0.239 W/kg



0 dB = 0.239 W/kg = -6.22 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/12/9

ID: 028

Report No. :TESA2411000798EN

NR n78 (100MHz)_Body_Bottom of Laptop_CH 650000_Pi/2 BPSK_1-1_0mm_PC3_FCC_Main

Communication System: 5G NR (100 MHz,Pi/2 BPSK, 30 kHz); Frequency: 3750 MHz; Duty cycle= 1:1

Medium parameters used: $f = 3750$ MHz; $\sigma = 3.203$ S/m; $\epsilon_r = 38.093$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.77, 6.77, 6.77) @ 3750 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.346 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 1.539 V/m; Power Drift = 0.03 dB

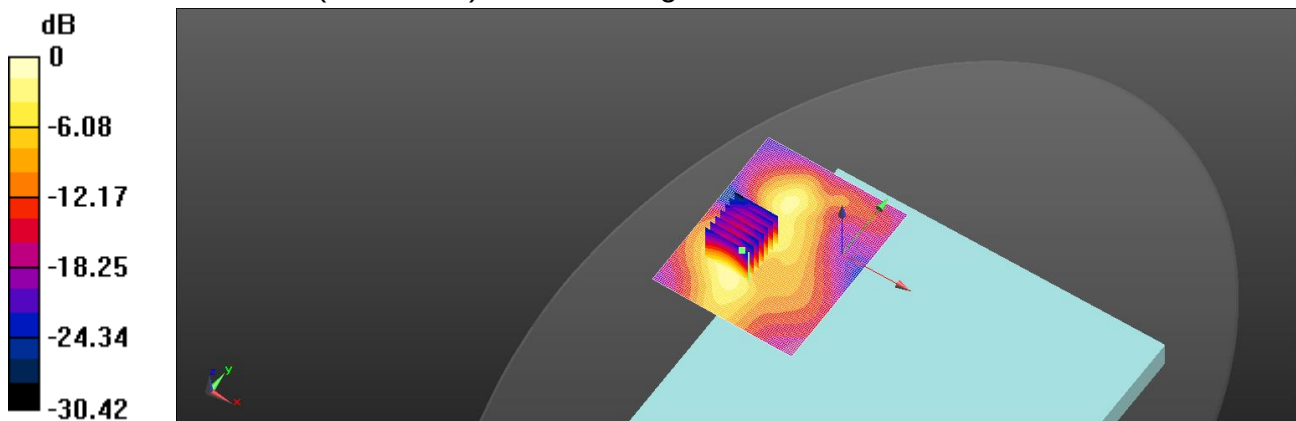
Peak SAR (extrapolated) = 0.445 W/kg

SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.180 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 51.6%

Maximum value of SAR (measured) = 0.310 W/kg



0 dB = 0.310 W/kg = -5.09 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/12/9

ID: 029

Report No. :TESA2411000798EN

NR n78 (100MHz)_Body_Bottom of Laptop_CH 650000_Pi/2 BPSK_1-1_0mm_PC2_FCC_Main

Communication System: 5G NR (100 MHz,Pi/2 BPSK, 30 kHz); Frequency: 3750 MHz; Duty cycle= 1:1

Medium parameters used: $f = 3750$ MHz; $\sigma = 3.203$ S/m; $\epsilon_r = 38.093$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.77, 6.77, 6.77) @ 3750 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.396 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 1.862 V/m; Power Drift = 0.06 dB

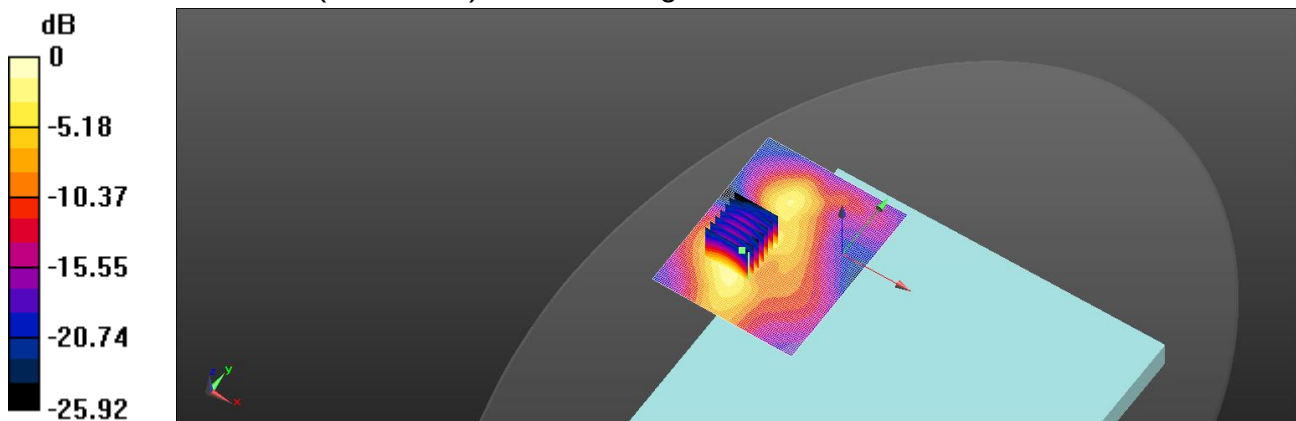
Peak SAR (extrapolated) = 0.509 W/kg

SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.198 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 51.5%

Maximum value of SAR (measured) = 0.354 W/kg



0 dB = 0.354 W/kg = -4.51 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/27

ID: 030

Report No. :TESA2411000798EN

WCDMA Band II_Body_Bottom of Laptop_CH 9262_0mm_Mimo2

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty cycle= 1:1

Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.425$ S/m; $\epsilon_r = 40.829$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.96, 7.96, 7.96) @ 1852.4 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.00 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.183 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.808 W/kg; SAR(10 g) = 0.451 W/kg

Smallest distance from peaks to all points 3 dB below = 9.7 mm

Ratio of SAR at M2 to SAR at M1 = 57.5%

Maximum value of SAR (measured) = 1.16 W/kg

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.183 V/m; Power Drift = 0.14 dB

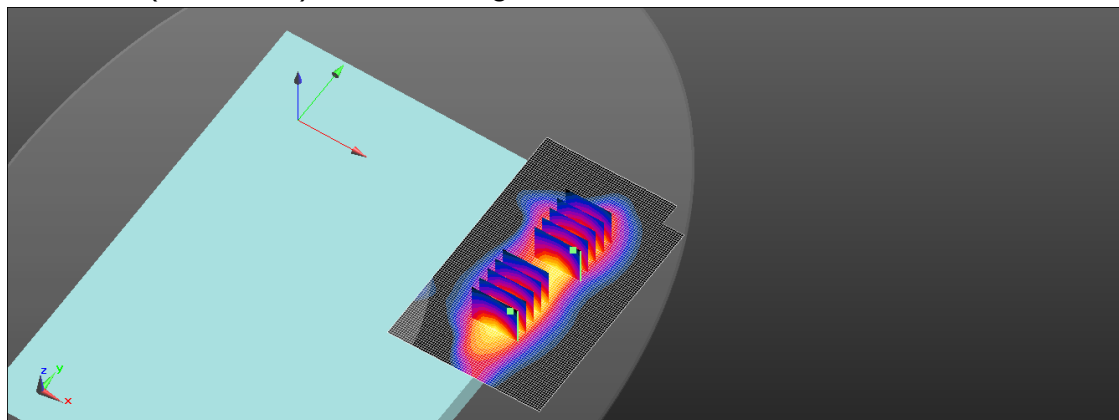
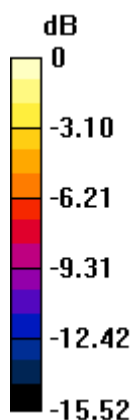
Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.661 W/kg; SAR(10 g) = 0.394 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 63.1%

Maximum value of SAR (measured) = 0.888 W/kg



0 dB = 0.888 W/kg = -0.52 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/25

ID: 031

Report No. :TESA2411000798EN

WCDMA Band IV_Body_Bottom of Laptop_CH 1312_0mm_Mimo2

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty cycle= 1:1

Medium parameters used: $f = 1712.4$ MHz; $\sigma = 1.367$ S/m; $\epsilon_r = 40.987$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.4, 8.4, 8.4) @ 1712.4 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.34 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.264 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.628 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 61.2%

Maximum value of SAR (measured) = 1.34 W/kg

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.264 V/m; Power Drift = 0.04 dB

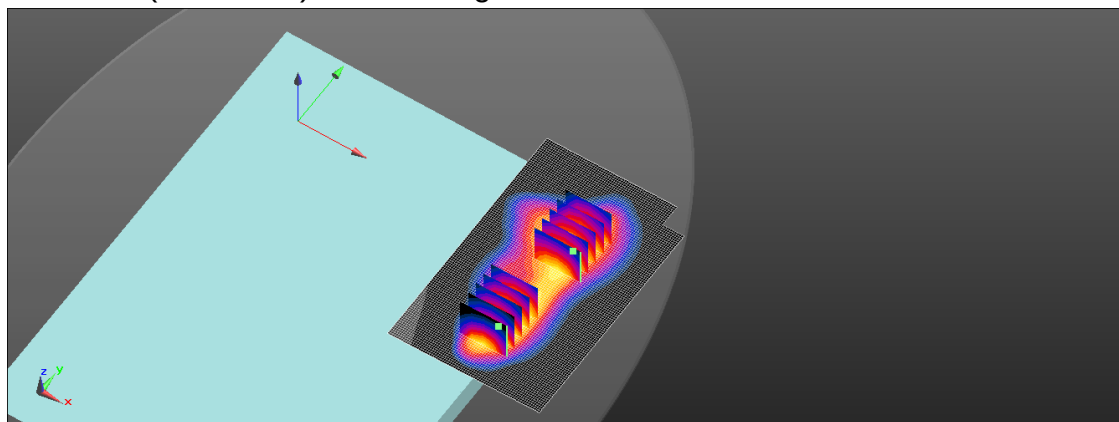
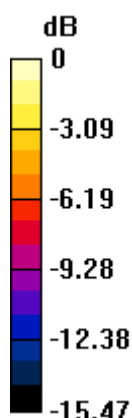
Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.904 W/kg; SAR(10 g) = 0.597 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 64%

Maximum value of SAR (measured) = 1.14 W/kg



0 dB = 1.14 W/kg = 0.57 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/27

ID: 032

Report No. :TESA2411000798EN

LTE Band 2 (20MHz)_Body_Bottom of Laptop_CH 18700_QPSK_1-50_0mm_Mimo2

Communication System: LTE; Frequency: 1860 MHz; Duty cycle= 1:1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.428$ S/m; $\epsilon_r = 40.815$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.96, 7.96, 7.96) @ 1860 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.13 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.185 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.894 W/kg; SAR(10 g) = 0.490 W/kg

Smallest distance from peaks to all points 3 dB below = 9.7 mm

Ratio of SAR at M2 to SAR at M1 = 57.5%

Maximum value of SAR (measured) = 1.31 W/kg

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.185 V/m; Power Drift = 0.12 dB

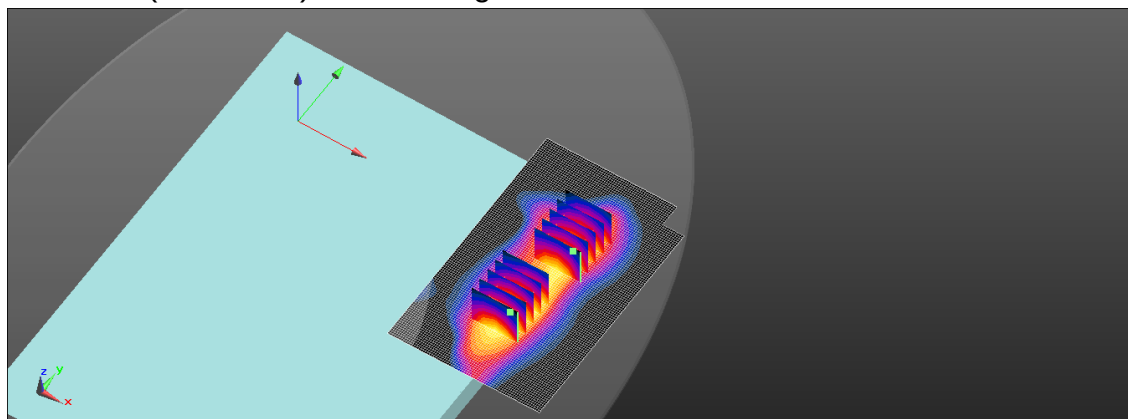
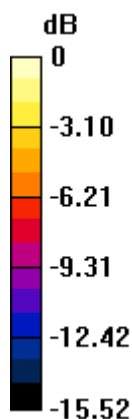
Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.734 W/kg; SAR(10 g) = 0.428 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 63.1%

Maximum value of SAR (measured) = 1.00 W/kg



0 dB = 1.00 W/kg = 0.00 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/25

ID: 033

Report No. :TESA2411000798EN

LTE Band 4 (20MHz)_Body_Bottom of Laptop_CH 20050_QPSK_1-0_0mm_Mimo2

Communication System: LTE; Frequency: 1720 MHz; Duty cycle= 1:1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.369$ S/m; $\epsilon_r = 40.978$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.4, 8.4, 8.4) @ 1720 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.42 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.651 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.652 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 61.2%

Maximum value of SAR (measured) = 1.42 W/kg

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.651 V/m; Power Drift = 0.01 dB

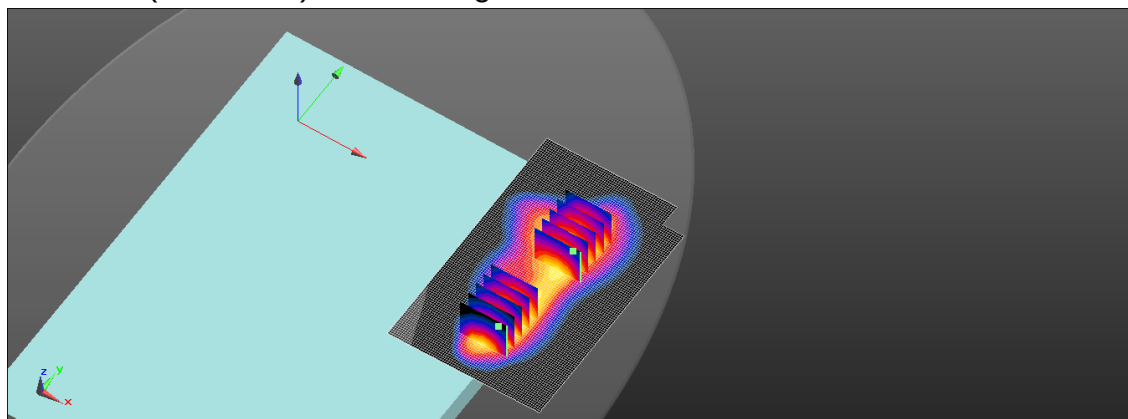
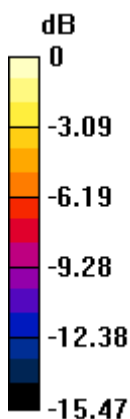
Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.950 W/kg; SAR(10 g) = 0.623 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 64%

Maximum value of SAR (measured) = 1.20 W/kg



0 dB = 1.20 W/kg = 0.79 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/12/1

ID: 034

Report No. :TESA2411000798EN

LTE Band 7 (20MHz)_Body_Bottom of Laptop_CH 21350_QPSK_1-0_0mm_Mimo2

Communication System: LTE; Frequency: 2560 MHz; Duty cycle= 1:1

Medium parameters used: $f = 2560$ MHz; $\sigma = 1.946$ S/m; $\epsilon_r = 39.759$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.42, 7.42, 7.42) @ 2560 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.42 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.837 V/m; Power Drift = 0.07 dB

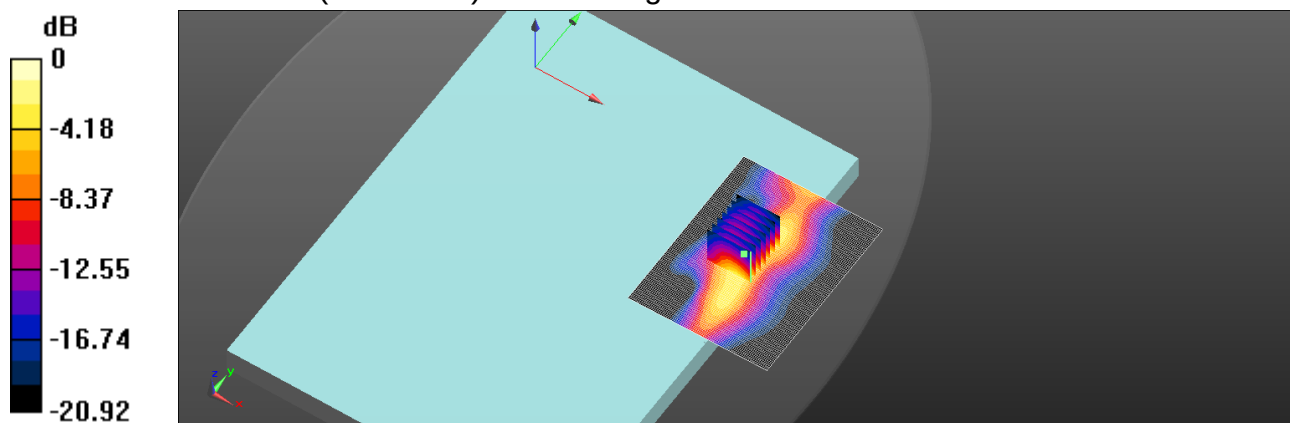
Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 0.989 W/kg; SAR(10 g) = 0.522 W/kg

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 49.9%

Maximum value of SAR (measured) = 1.43 W/kg



0 dB = 1.43 W/kg = 1.55 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/27

ID: 035

Report No. :TESA2411000798EN

LTE Band 25 (20MHz)_Body_Bottom of Laptop_CH 26140_QPSK_1-99_0mm_Mimo2

Communication System: LTE; Frequency: 1860 MHz; Duty cycle= 1:1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.428$ S/m; $\epsilon_r = 40.815$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.96, 7.96, 7.96) @ 1860 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.13 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.468 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.857 W/kg; SAR(10 g) = 0.447 W/kg

Smallest distance from peaks to all points 3 dB below = 9.7 mm

Ratio of SAR at M2 to SAR at M1 = 57.1%

Maximum value of SAR (measured) = 1.33 W/kg

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.468 V/m; Power Drift = 0.09 dB

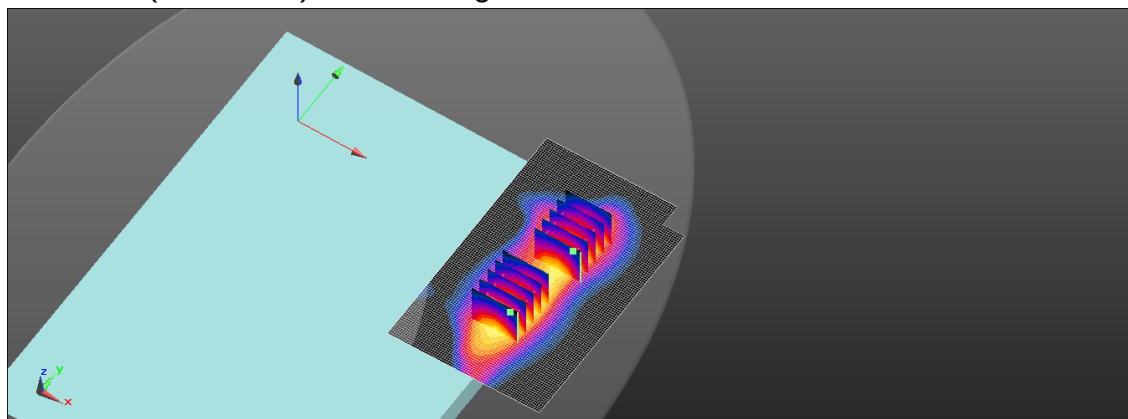
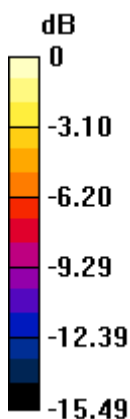
Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.710 W/kg; SAR(10 g) = 0.394 W/kg

Smallest distance from peaks to all points 3 dB below = 10.7 mm

Ratio of SAR at M2 to SAR at M1 = 63.1%

Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.01 W/kg = 0.04 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/28

ID: 036

Report No. :TESA2411000798EN

LTE Band 30 (10MHz)_Body_Bottom of Laptop_CH 27710_QPSK_1-0_0mm_Mimo2

Communication System: LTE; Frequency: 2310 MHz; Duty cycle= 1:1

Medium parameters used: $f = 2310$ MHz; $\sigma = 1.71$ S/m; $\epsilon_r = 40.308$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.71, 7.71, 7.71) @ 2310 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x131x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.23 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.914 V/m; Power Drift = 0.08 dB

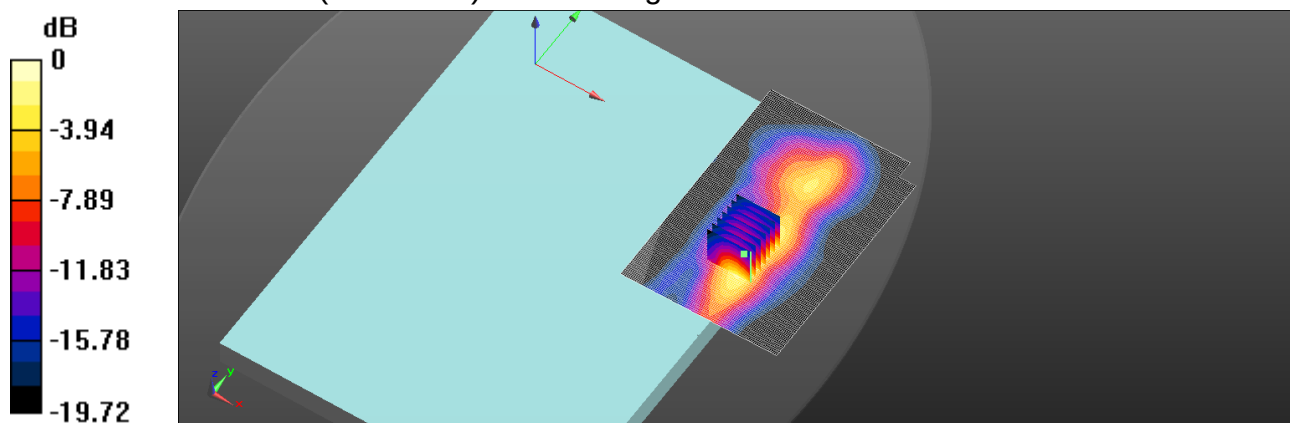
Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.811 W/kg; SAR(10 g) = 0.432 W/kg

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 52%

Maximum value of SAR (measured) = 1.17 W/kg



0 dB = 1.17 W/kg = 0.68 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/25

ID: 037

Report No. :TESA2411000798EN

LTE Band 66 (20MHz)_Body_Bottom of Laptop_CH 132072_QPSK_1-0_0mm_Mimo2

Communication System: LTE; Frequency: 1720 MHz; Duty cycle= 1:1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.369$ S/m; $\epsilon_r = 40.978$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.4, 8.4, 8.4) @ 1720 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x101x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.34 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.496 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.642 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 61%

Maximum value of SAR (measured) = 1.38 W/kg

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.496 V/m; Power Drift = 0.06 dB

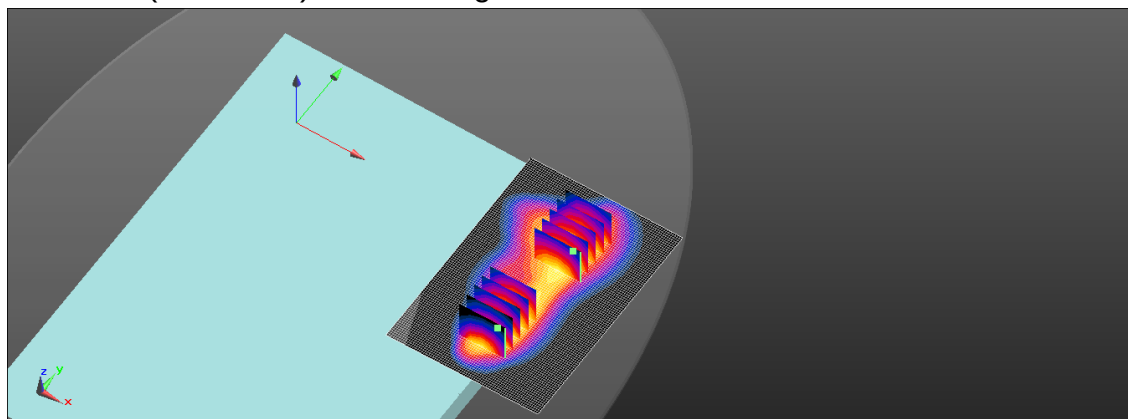
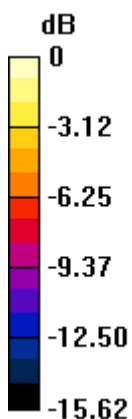
Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.928 W/kg; SAR(10 g) = 0.610 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 63.6%

Maximum value of SAR (measured) = 1.17 W/kg



0 dB = 1.17 W/kg = 0.68 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/12/1

ID: 038

Report No. :TESA2411000798EN

LTE Band 38 (20MHz)_Body_Bottom of Laptop_CH 38150_QPSK_1-0_0mm_Mimo2

Communication System: LTE; Frequency: 2610 MHz; Duty cycle= 1:1.58

Medium parameters used: $f = 2610$ MHz; $\sigma = 1.998$ S/m; $\epsilon_r = 39.702$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.42, 7.42, 7.42) @ 2610 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.42 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.917 V/m; Power Drift = -0.11 dB

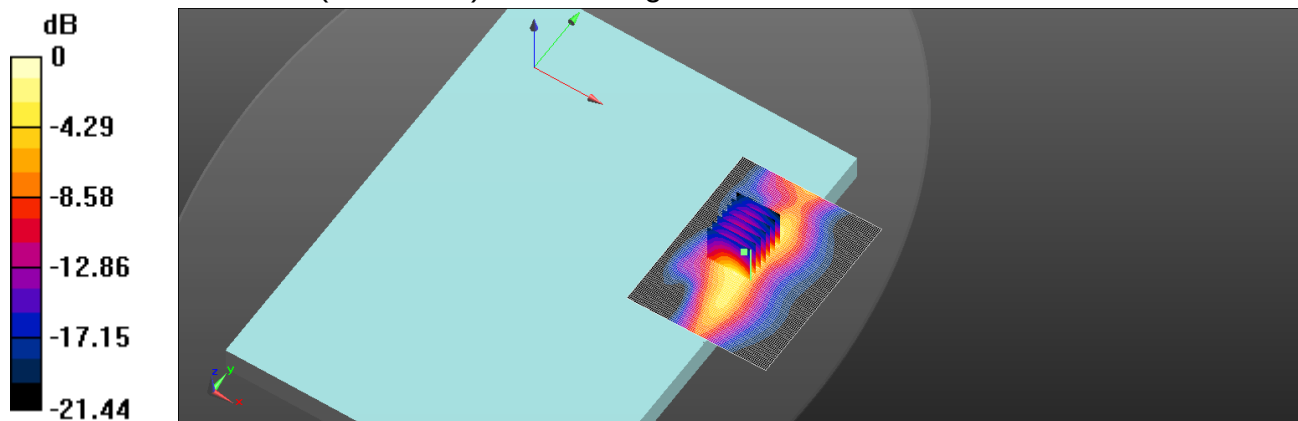
Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.555 W/kg

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 51.9%

Maximum value of SAR (measured) = 1.32 W/kg



0 dB = 1.32 W/kg = 1.21 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/12/1

ID: 039

Report No. :TESA2411000798EN

LTE Band 41 (20MHz)_Body_Bottom of Laptop_CH 41490_QPSK_1-0_0mm_PC3_Mimo2

Communication System: LTE; Frequency: 2680 MHz; Duty cycle= 1:1.58

Medium parameters used: $f = 2680$ MHz; $\sigma = 2.076$ S/m; $\epsilon_r = 39.619$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.42, 7.42, 7.42) @ 2680 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.46 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.908 V/m; Power Drift = -0.01 dB

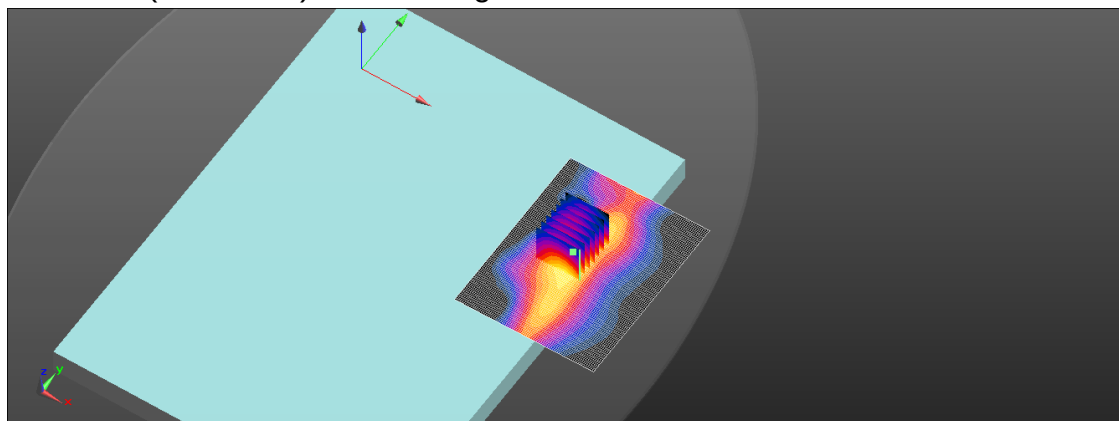
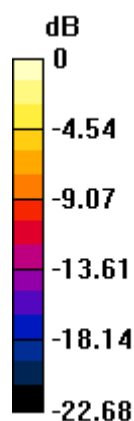
Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.562 W/kg

Smallest distance from peaks to all points 3 dB below = 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 50.5%

Maximum value of SAR (measured) = 1.37 W/kg



0 dB = 1.37 W/kg = 1.37 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/12/11

ID: 041

Report No. :TESA2411000798EN

LTE Band 48 (20MHz)_Body_Bottom of Laptop_CH 56640_QPSK_1-0_0mm_Mimo2

Communication System: LTE; Frequency: 3690 MHz; Duty cycle= 1:1.58

Medium parameters used: $f = 3690$ MHz; $\sigma = 3.155$ S/m; $\epsilon_r = 38.098$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.77, 6.77, 6.77) @ 3690 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.592 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 1.913 V/m; Power Drift = -0.04 dB

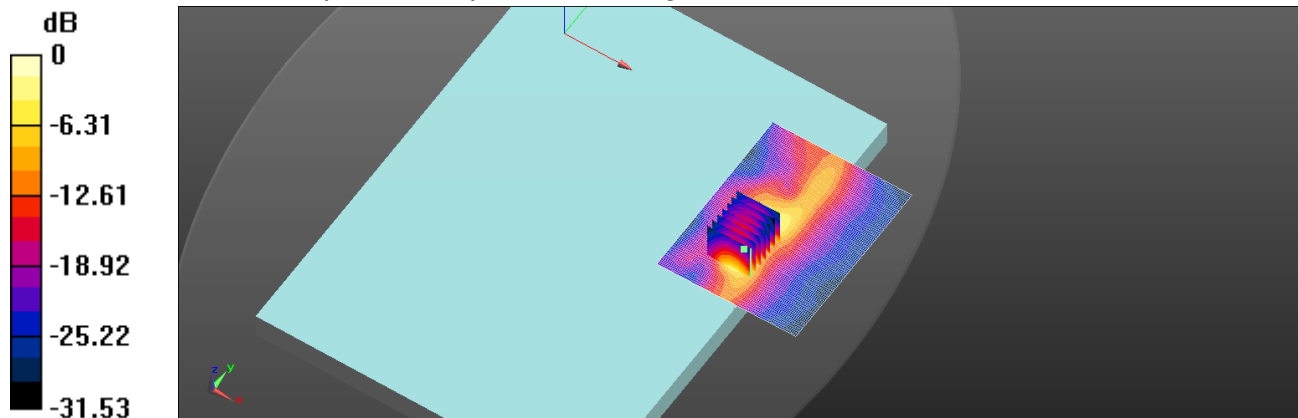
Peak SAR (extrapolated) = 0.800 W/kg

SAR(1 g) = 0.556 W/kg; SAR(10 g) = 0.353 W/kg

Smallest distance from peaks to all points 3 dB below = 6 mm

Ratio of SAR at M2 to SAR at M1 = 54.3%

Maximum value of SAR (measured) = 0.601 W/kg



0 dB = 0.601 W/kg = -2.21 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/27

ID: 042

Report No. :TESA2411000798EN

NR n2 (20MHz)_Body_Bottom of Laptop_CH 372000_Pi/2 BPSK_1-104_0mm_Mimo2

Communication System: 5G NR (20 MHz,Pi/2 BPSK, 15kHz); Frequency: 1860 MHz; Duty cycle= 1:1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.428$ S/m; $\epsilon_r = 40.815$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.96, 7.96, 7.96) @ 1860 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.10 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.186 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.879 W/kg; SAR(10 g) = 0.481 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 56%

Maximum value of SAR (measured) = 1.30 W/kg

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.186 V/m; Power Drift = -0.04 dB

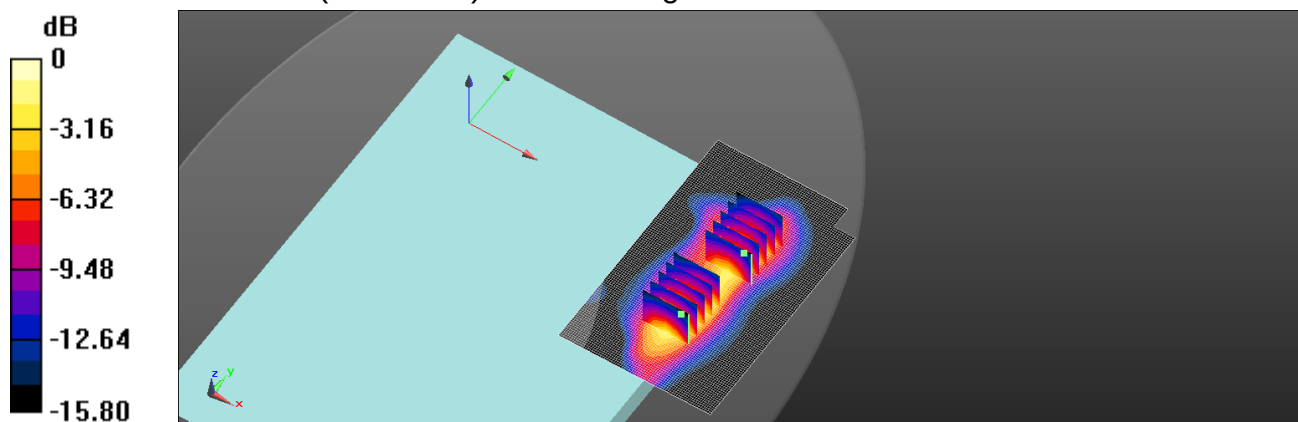
Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.724 W/kg; SAR(10 g) = 0.422 W/kg

Smallest distance from peaks to all points 3 dB below = 10.7 mm

Ratio of SAR at M2 to SAR at M1 = 61.5%

Maximum value of SAR (measured) = 0.995 W/kg



0 dB = 0.995 W/kg = -0.02 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/12/2

ID: 043

Report No. :TESA2411000798EN

NR n7 (20MHz)_Body_Bottom of Laptop_CH 512000_Pi/2 BPSK_1-1_0mm_Mimo2

Communication System: 5G NR (20 MHz, Pi/2 BPSK, 15kHz); Frequency: 2560 MHz; Duty cycle= 1:1

Medium parameters used: $f = 2560$ MHz; $\sigma = 1.947$ S/m; $\epsilon_r = 39.716$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.42, 7.42, 7.42) @ 2560 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x131x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.32 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.824 V/m; Power Drift = -0.03 dB

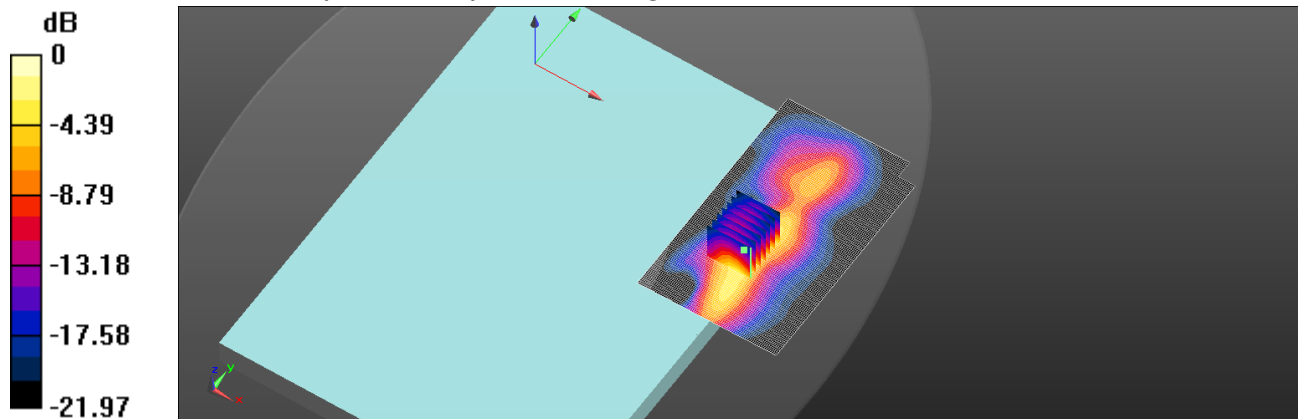
Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 0.990 W/kg; SAR(10 g) = 0.539 W/kg

Smallest distance from peaks to all points 3 dB below = 7.3 mm

Ratio of SAR at M2 to SAR at M1 = 47.6%

Maximum value of SAR (measured) = 1.39 W/kg



0 dB = 1.39 W/kg = 1.43 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/27

ID: 044

Report No. :TESA2411000798EN

NR n25 (20MHz)_Body_Bottom of Laptop_CH 372000_Pi/2 BPSK_1-1_0mm_Mimo2

Communication System: 5G NR (20 MHz,Pi/2 BPSK, 15kHz); Frequency: 1860 MHz; Duty cycle= 1:1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.428$ S/m; $\epsilon_r = 40.815$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.96, 7.96, 7.96) @ 1860 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.09 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.246 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.880 W/kg; SAR(10 g) = 0.482 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 56.1%

Maximum value of SAR (measured) = 1.30 W/kg

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.246 V/m; Power Drift = 0.10 dB

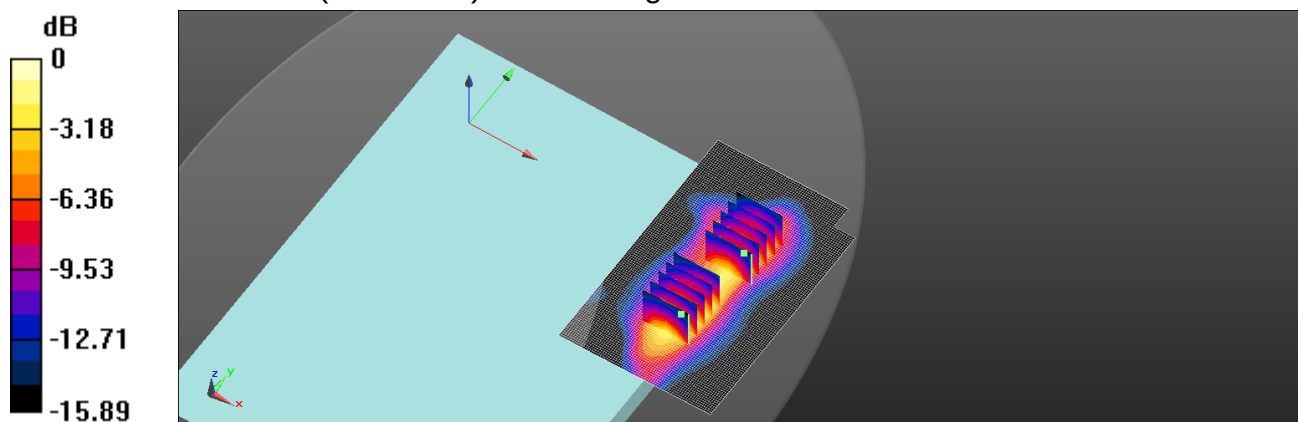
Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.725 W/kg; SAR(10 g) = 0.420 W/kg

Smallest distance from peaks to all points 3 dB below = 10.1 mm

Ratio of SAR at M2 to SAR at M1 = 61.1%

Maximum value of SAR (measured) = 1.00 W/kg



0 dB = 1.00 W/kg = 0.00 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/28

ID: 045

Report No. :TESA2411000798EN

NR n30 (10MHz)_Body_Bottom of Laptop_CH 462000_Pi/2 BPSK_1-1_0mm_Mimo2

Communication System: 5G NR (10 MHz, Pi/2 BPSK, 15 kHz); Frequency: 2310 MHz; Duty cycle= 1:1

Medium parameters used: $f = 2310$ MHz; $\sigma = 1.71$ S/m; $\epsilon_r = 40.308$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.71, 7.71, 7.71) @ 2310 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x131x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.12 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.751 V/m; Power Drift = 0.16 dB

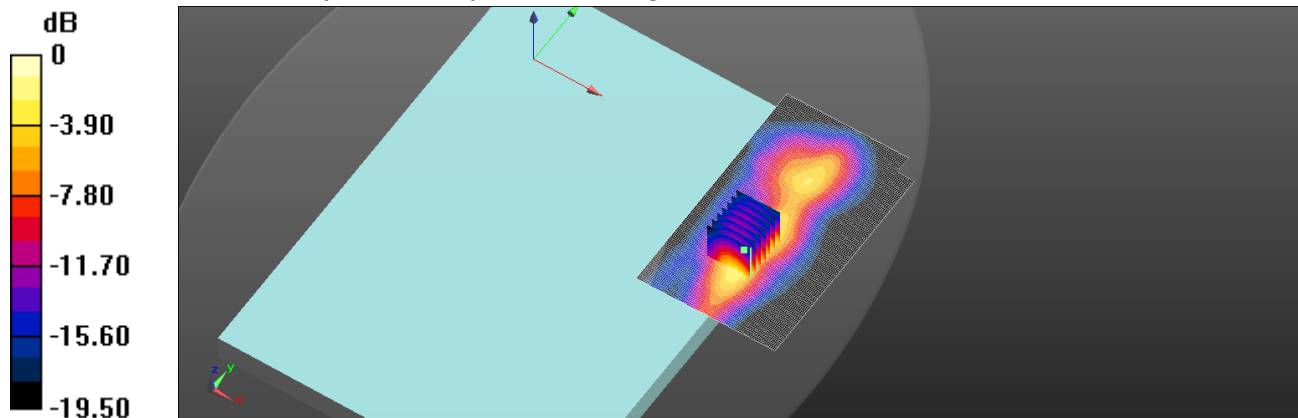
Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.800 W/kg; SAR(10 g) = 0.440 W/kg

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 50.4%

Maximum value of SAR (measured) = 1.15 W/kg



0 dB = 1.15 W/kg = 0.61 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/11/25

ID: 046

Report No. :TESA2411000798EN

NR n66 (20MHz)_Body_Bottom of Laptop_CH 344000_Pi/2 BPSK_1-53_0mm_Mimo2

Communication System: 5G NR (20 MHz,Pi/2 BPSK, 15kHz); Frequency: 1720 MHz; Duty cycle= 1:1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.369$ S/m; $\epsilon_r = 40.978$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.4, 8.4, 8.4) @ 1720 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.26 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.811 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.984 W/kg; SAR(10 g) = 0.633 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 57%

Maximum value of SAR (measured) = 1.24 W/kg

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.811 V/m; Power Drift = 0.11 dB

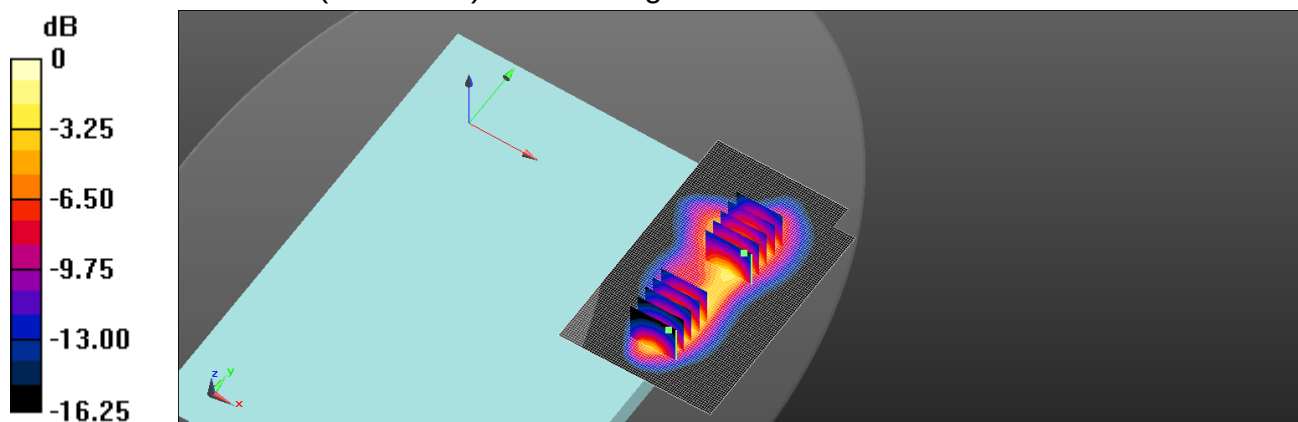
Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.915 W/kg; SAR(10 g) = 0.616 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 59.8%

Maximum value of SAR (measured) = 1.13 W/kg



0 dB = 1.13 W/kg = 0.53 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/12/2

ID: 047

Report No. :TESA2411000798EN

NR n38 (20MHz)_Body_Bottom of Laptop_CH 522000_Pi/2 BPSK_1-1_0mm_Mimo2

Communication System: 5G NR (20 MHz, Pi/2 BPSK, 30kHz); Frequency: 2610 MHz; Duty cycle= 1:1

Medium parameters used: $f = 2610$ MHz; $\sigma = 2.001$ S/m; $\epsilon_r = 39.658$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.42, 7.42, 7.42) @ 2610 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x131x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.23 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.673 V/m; Power Drift = 0.09 dB

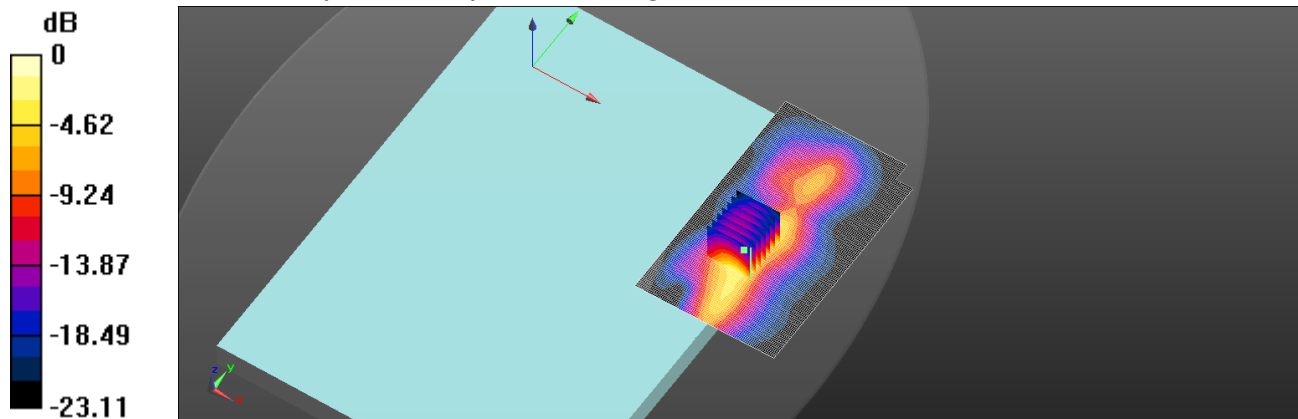
Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 0.995 W/kg; SAR(10 g) = 0.567 W/kg

Smallest distance from peaks to all points 3 dB below = 7 mm

Ratio of SAR at M2 to SAR at M1 = 46.6%

Maximum value of SAR (measured) = 1.30 W/kg



0 dB = 1.30 W/kg = 1.14 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/12/2

ID: 048

Report No. :TESA2411000798EN

NR n41 (100MHz)_Body_Bottom of Laptop_CH 528000_Pi/2 BPSK_1-

271_0mm_PC3_Mimo2

Communication System: 5G NR (100 MHz,Pi/2 BPSK, 30 kHz); Frequency: 2640 MHz; Duty cycle= 1:1

Medium parameters used: $f = 2640$ MHz; $\sigma = 2.032$ S/m; $\epsilon_r = 39.616$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.42, 7.42, 7.42) @ 2640 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.44 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.739 V/m; Power Drift = 0.02 dB

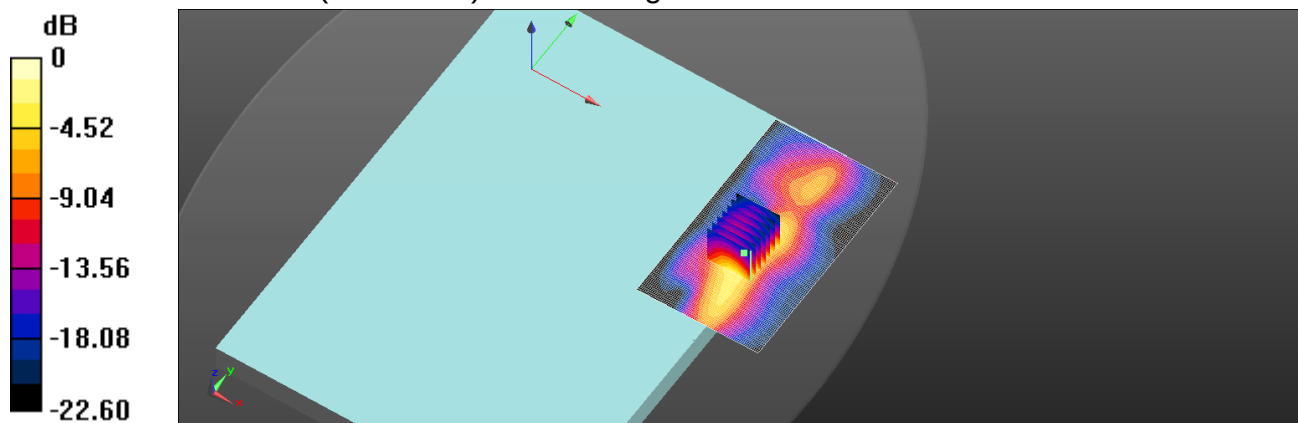
Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.586 W/kg

Smallest distance from peaks to all points 3 dB below = 7 mm

Ratio of SAR at M2 to SAR at M1 = 46.8%

Maximum value of SAR (measured) = 1.39 W/kg



0 dB = 1.39 W/kg = 1.43 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/12/2

ID: 049

Report No. :TESA2411000798EN

NR n41 (100MHz)_Body_Bottom of Laptop_CH 528000_Pi/2 BPSK_1-1_0mm_PC2_Mimo2

Communication System: 5G NR (100 MHz,Pi/2 BPSK, 30 kHz); Frequency: 2640 MHz; Duty cycle= 1:1

Medium parameters used: $f = 2640$ MHz; $\sigma = 2.032$ S/m; $\epsilon_r = 39.616$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.42, 7.42, 7.42) @ 2640 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.45 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.317 V/m; Power Drift = 0.08 dB

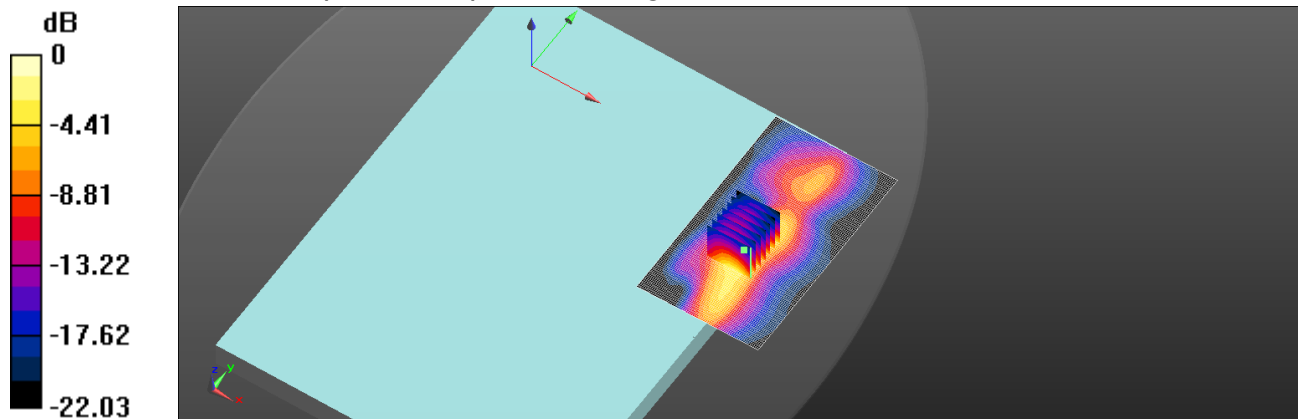
Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.541 W/kg

Smallest distance from peaks to all points 3 dB below = 7 mm

Ratio of SAR at M2 to SAR at M1 = 47.1%

Maximum value of SAR (measured) = 1.42 W/kg



0 dB = 1.42 W/kg = 1.52 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/12/11

ID: 050

Report No. :TESA2411000798EN

NR n48 (40MHz)_Body_Bottom of Laptop_CH 645332_Pi/2 BPSK_1-1_0mm_Mimo2

Communication System: 5G NR (40 MHz, Pi/2 BPSK, 30kHz); Frequency: 3679.98 MHz; Duty cycle= 1:1

Medium parameters used: $f = 3679.98$ MHz; $\sigma = 3.144$ S/m; $\epsilon_r = 38.11$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.77, 6.77, 6.77) @ 3679.98 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.41 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 2.658 V/m; Power Drift = 0.01 dB

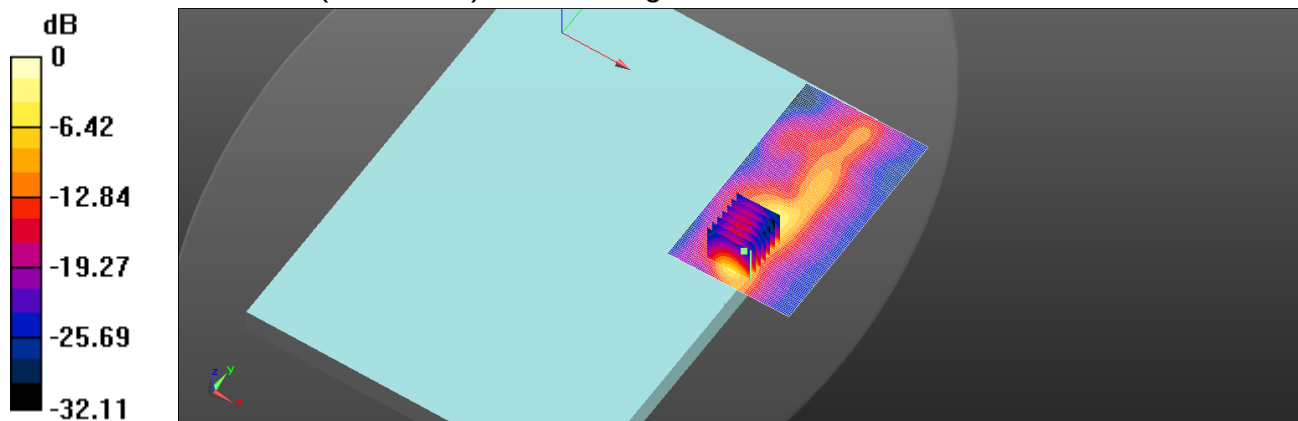
Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.541 W/kg

Smallest distance from peaks to all points 3 dB below = 6 mm

Ratio of SAR at M2 to SAR at M1 = 52.6%

Maximum value of SAR (measured) = 1.38 W/kg



0 dB = 1.38 W/kg = 1.40 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/12/14

ID: 051

Report No. :TESA2411000798EN

NR n77 (100MHz)_Body_Bottom of Laptop_CH 659000_Pi/2 BPSK_1-1_0mm_PC3_FCC_Mimo2

Communication System: 5G NR (100 MHz,Pi/2 BPSK, 30 kHz); Frequency: 3885 MHz; Duty cycle= 1:1

Medium parameters used: $f = 3885 \text{ MHz}$; $\sigma = 3.36 \text{ S/m}$; $\epsilon_r = 37.759$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.37, 6.37, 6.37) @ 3885 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.56 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 2.588 V/m; Power Drift = 0.05 dB

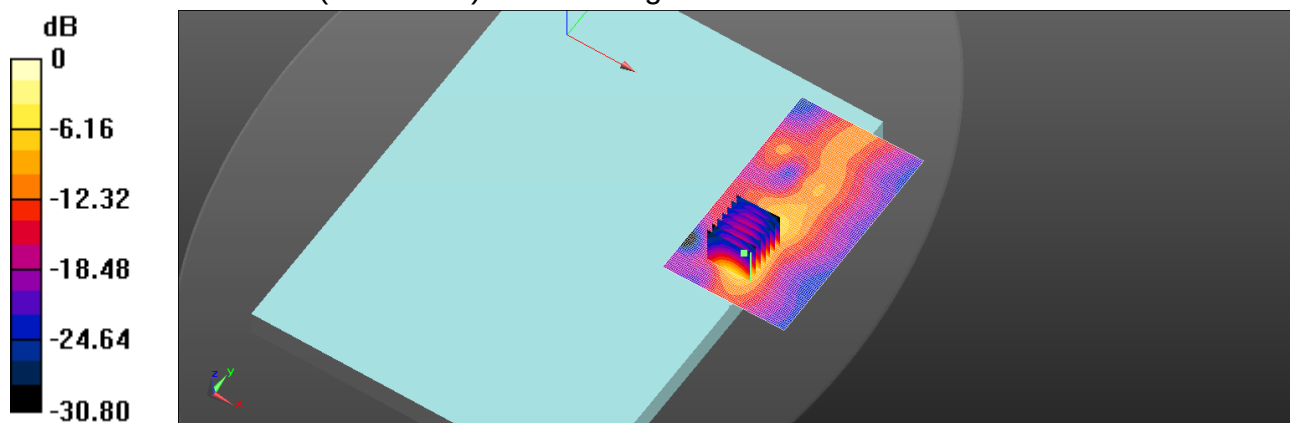
Peak SAR (extrapolated) = 2.02 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.487 W/kg

Smallest distance from peaks to all points 3 dB below = 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 50.8%

Maximum value of SAR (measured) = 1.57 W/kg



0 dB = 1.57 W/kg = 1.96 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/12/14

ID: 052

Report No. :TESA2411000798EN

NR n77 (100MHz)_Body_Bottom of Laptop_CH 659000_Pi/2 BPSK_1-1_0mm_PC2_FCC_Mimo2

Communication System: 5G NR (100 MHz,Pi/2 BPSK, 30 kHz); Frequency: 3885 MHz; Duty cycle= 1:1

Medium parameters used: $f = 3885 \text{ MHz}$; $\sigma = 3.36 \text{ S/m}$; $\epsilon_r = 37.759$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.37, 6.37, 6.37) @ 3885 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.52 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 2.803 V/m; Power Drift = -0.08 dB

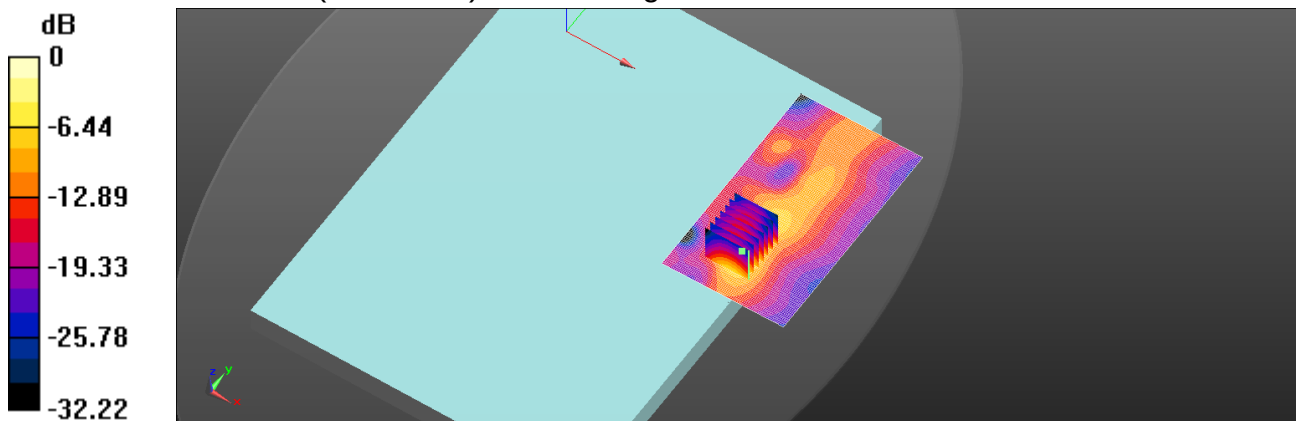
Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.516 W/kg

Smallest distance from peaks to all points 3 dB below = 7 mm

Ratio of SAR at M2 to SAR at M1 = 52.8%

Maximum value of SAR (measured) = 1.39 W/kg



0 dB = 1.39 W/kg = 1.43 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/12/7

ID: 053

Report No. :TESA2411000798EN

NR n77 & n78 (100MHz)_Body_Bottom of Laptop_CH 633333_Pi/2 BPSK_1-1_0mm_PC3_FCC_Mimo2

Communication System: 5G NR (100 MHz,Pi/2 BPSK, 30 kHz); Frequency: 3499.995 MHz; Duty cycle= 1:1

Medium parameters used: $f = 3499.995$ MHz; $\sigma = 2.936$ S/m; $\epsilon_r = 38.528$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.78, 6.78, 6.78) @ 3499.995 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x121x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.86 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 2.074 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.480 W/kg

Smallest distance from peaks to all points 3 dB below = 8.1 mm

Ratio of SAR at M2 to SAR at M1 = 54.7%

Maximum value of SAR (measured) = 1.51 W/kg

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 2.074 V/m; Power Drift = 0.04 dB

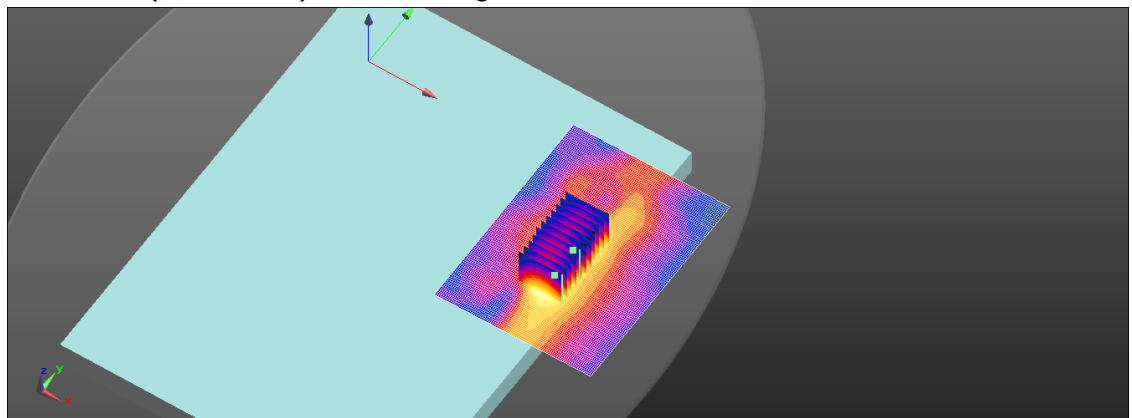
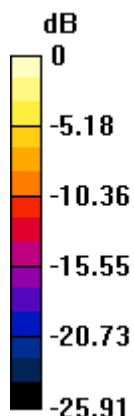
Peak SAR (extrapolated) = 1.97 W/kg

SAR(1 g) = 0.953 W/kg; SAR(10 g) = 0.444 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 52.8%

Maximum value of SAR (measured) = 1.41 W/kg



0 dB = 1.41 W/kg = 1.49 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/12/7

ID: 054

Report No. :TESA2411000798EN

NR n77 & n78 (100MHz)_Body_Bottom of Laptop_CH 633333_Pi/2 BPSK_1-1_0mm_PC2_FCC_Mimo2

Communication System: 5G NR (100 MHz,Pi/2 BPSK, 30 kHz); Frequency: 3499.995 MHz; Duty cycle= 1:1

Medium parameters used: $f = 3499.995$ MHz; $\sigma = 2.936$ S/m; $\epsilon_r = 38.528$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.78, 6.78, 6.78) @ 3499.995 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x121x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.75 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 1.792 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 1 W/kg; SAR(10 g) = 0.459 W/kg

Smallest distance from peaks to all points 3 dB below = 8.1 mm

Ratio of SAR at M2 to SAR at M1 = 54.6%

Maximum value of SAR (measured) = 1.43 W/kg

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 1.792 V/m; Power Drift = 0.06 dB

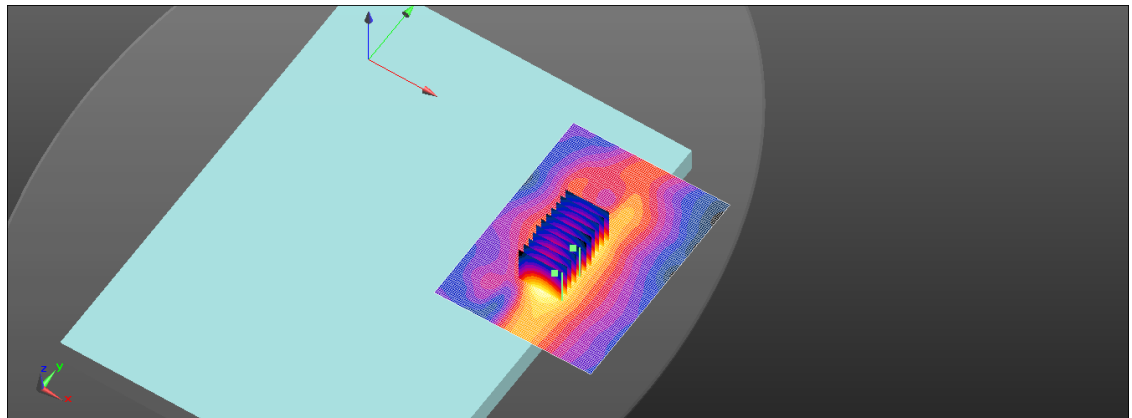
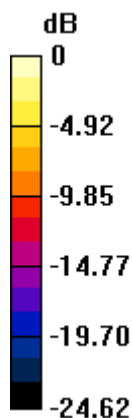
Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 0.908 W/kg; SAR(10 g) = 0.427 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 54.5%

Maximum value of SAR (measured) = 1.33 W/kg



0 dB = 1.33 W/kg = 1.24 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group

Date: 2024/12/11

ID: 057

Report No. :TESA2411000798EN

NR n78 (100MHz)_Body_Bottom of Laptop_CH 650000_Pi/2 BPSK_1-

1_0mm_PC3_FCC_Mimo2

Communication System: 5G NR (100 MHz,Pi/2 BPSK, 30 kHz); Frequency: 3750 MHz; Duty cycle= 1:1

Medium parameters used: $f = 3750$ MHz; $\sigma = 3.217$ S/m; $\epsilon_r = 38.026$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.77, 6.77, 6.77) @ 3750 MHz; Calibrated: 2024/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2024/8/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x111x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.75 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 1.462 V/m; Power Drift = 0.01 dB

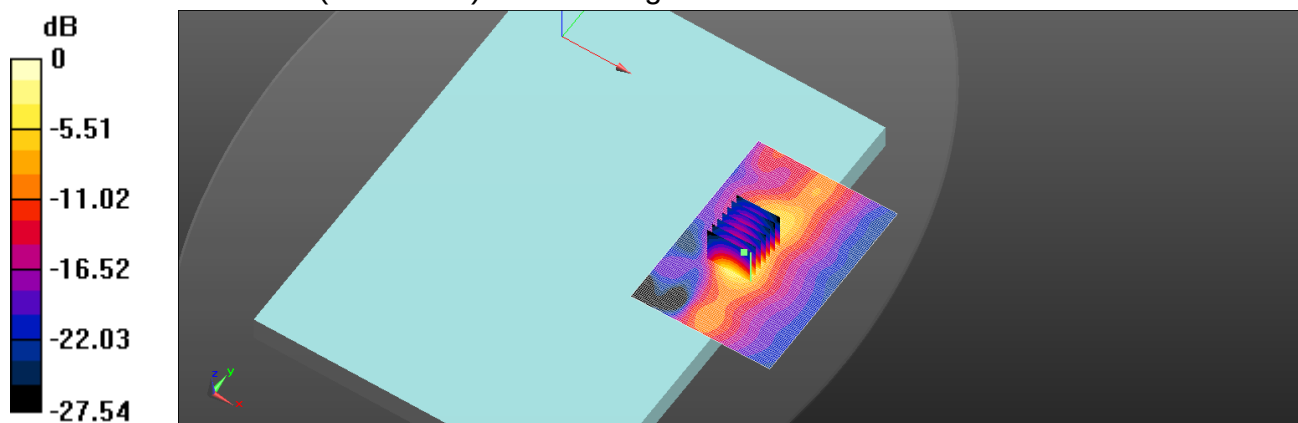
Peak SAR (extrapolated) = 2.21 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.474 W/kg

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 50.4%

Maximum value of SAR (measured) = 1.70 W/kg



0 dB = 1.70 W/kg = 2.30 dBW/kg

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

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

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/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.sgs.com.tw

Member of SGS Group