

Page: 1 of 75

RF Exposure report





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

Clover Flex **Product Name**

Clover **Brand Name** C406 Model No.

Quanta Computer Inc. **Applicant**

No. 188, Wenhua 2nd Road, Guishan District, Taoyuan

City 33377, Taiwan

IEEE/ANSI C95.1-1992, IEEE 1528-2013 **Standards**

FCC ID HFS-C406

Date of EUT Receipt Apr. 19, 2024

May 12, 2024 ~ May 15, 2024 Date of Test(s)

Date of Issue Jul. 01. 2024

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 / Kimmy Chiou	PM / Bond Tsai	Approved By / John Yeh
Kimmy Chiou	Bond Trais	John Teh
		Date: Jul. 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.



Page: 2 of 75

Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TESA2404000217E5	00	Initial creation of document	May 22, 2024	Kimmy Chiou	
TESA2404000217E5	01	Modify comment	Jun. 12, 2024	Kimmy Chiou	*
TESA2404000217E5	02	Modify comment	Jun. 20, 2024	Kimmy Chiou	*
TESA2404000217E5	03	Modify comment	Jun. 28, 2024	Kimmy Chiou	*
TESA2404000217E5	04	Modify comment	Jul. 01, 2024	Kimmy Chiou	*
TESA2404000217E5	05	Modify curve co-sar	Jul. 01, 2024	Kimmy Chiou	*
N					

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. 除非只有的时,他都是好用魔影测验之样只有害,同时他接见魔鬼匆匆子。太祖华主领太公司事而验证,太司刘公道测。

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

台灣檢驗科技股份有限公司

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



Page: 3 of 75

Contents

1	GENERAL INFORMATION	4
	1.1 Test Methodology	4
	1.2 Description of EUT	5
	1.3 Maximum value	6
	1.4 Antenna Information	6
2	MEASUREMENT SYSTEM	7
	2.1 Test Facility	7
	2.2 SAR System	8
3	SAR SYSTEM VERIFICATION	.11
	3.1 Tissue Simulating Liquid	
	3.2 Tissue Simulant Liquid measurement	.11
	3.3 Measurement results of Tissue Simulant Liquid	12
	3.4 The composition of the tissue simulating liquid:	13
	3.5 System check	
	3.6 System check results	14
4	TEST CONFIGURATIONS	15
	4.1 Test Environment	15
	4.2 Test Note	15
	4.3 Test position	20
	4.4 Test limit	
5	MAXIMUM OUTPUT POWER	
	5.1 FDD LTE	24
	5.2 WLAN	38
	5.3 Bluetooth	
	5.4 BLE	41
6	DUTY CYCLE	
7	SUMMARY OF RESULTS	
	7.1 Decision rules	
	7.2 Summary of SAR Results	
	7.3 Reporting statements of conformity	
	7.4 Conclusion	48
8	SIMULTANEOUS TRANSMISSION ANALYSIS	
	8.1 Simultaneous Transmission Scenarios:	
	8.2 Estimated SAR calculation	
	8.3 SPLSR evaluation and analysis	49
	8.4 Conclusion	
9	INSTRUMENTS LIST	
10	UNCERTAINTY BUDGET	
11	SAR MEASUREMENT RESULTS	
12	SAR SYSTEM CHECK RESULTS	
13	APPENDIXES	
	13.1 SAR_Appendix A Photographs	75
	13.2 SAR_Appendix B DAE & Probe Cal. Certificate	75
	13.3 SAR_Appendix C Phantom Description & Dipole Cal. Certificate	75

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

Onless otherwise stated the results shown in this test report reter only to the sample(s) leader and such sample(s) leader and sample(s) leader and such sample(s) leader and such sample(s) leader and such sample(s) leader and sample(s) le Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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 t (886-2) 2299-3279



Page: 4 of 75

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

KDB941225D05v02r05

KDB248227D01v02r01

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非只有铅明,此数些结甲磺胺别对关键具色素,同既此类具属是例如于。大数型生产概太从司隶而统可,不可如必遏制。

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

SS 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



Page: 5 of 75

Description of EUT

Product Name	Clover Flex			
Brand Name	Clover			
Model No.	C406			
FCC ID	HFS-C406			
Integrated Module	Brand Name: Fibocom Model Name: SC126-NA			
	LTE FDD	1		
Duty Cycle	WLAN802.11	Please refer to section 7		
	Bluetooth	Please refer to section 7		
	LTE FDD Band 2	1850-1910		
	LTE FDD Band 4	1710-1755		
	LTE FDD Band 5	824-849		
	LTE FDD Band 12	699-716		
	LTE FDD Band 13	777-787		
Supported radios (TX Frequency Range, MHz)	LTE FDD Band 66	1710-1780		
	NFC	13.56		
	802.11 b/g/n	2.4GHz (2400.0 – 2483.5 MHz)		
	802.11a/n/ac	5.2GHz (5150.0 –5350.0 MHz) 5.6GHz (5470.0 – 5725.0 MHz) 5.8GHz (5725.0 – 5850.0 MHz)		
	Bluetooth	2.4GHz (2400.0 – 2483.5 MHz)		

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

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

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



Page: 6 of 75

Maximum value

I imh

EIIIIB						
Summary of Maximum SAR Value						
Mode	Highest SAR 10g					
lviode	(W/kg)					
LTE Band 66	3.27					
Bluetooth(GFSK)	0.06					
2.4G WLAN	0.31					
5G WLAN	2.47					

Antenna Information 1.4

WWAN

Vendor		AWA								
Antenna		Main								
Part Number		DQ60ALF0003								
- (441.)	12	17	13	14	26	5	4	66	2	25
Frequency(MHz)	699~716	704~716	777~787	788~798	814~849	824~849	1710~1755	1710~1780	1850~1910	1850~1915
Gain (dBi)	-1.58	-1.58	-1.26	-1.26	-1.26	-1.26	1.06	1.06	1.88	1.88

WLAN

Vendor		AWA							
Antenna		WLAN							
Part Number		DQ60ALF0005							
Frequency(MHz)	2400~2500	2400~2500 5150~5250 5250~5350 5470~5725 5725~5850 5850~5895							
Gain (dBi)	2.00	2.28	2.28	1.13	-0.91	-0.91			

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.



Page: 7 of 75

MEASUREMENT SYSTEM

2.1 **Test Facility**

Laboratory	Test Site Address	Test Site Name	FCC Designation number	IC CAB identifier	
	1F, No. 8, Alley 15, Lane 120,	SAR 2			
	Sec. 1, NeiHu Road, Neihu District, Taipei City, 11493,	SAR 6	TW0029		
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	Taiwan.	SAR 8		TW3702	
	No. 2, Keji 1st Rd., Guishan	SAR 1	TM/0000		
	Township, Taoyuan County, 33383, Taiwan	SAR 4	TW0028		
	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku	SAR 3	TM/0007		
	District, New Taipei City, Taiwan	SAR 7	TW0027		

Note: Test site name is remarked on the equipment list in each section of this report 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.

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 t (886-2) 2299-3279

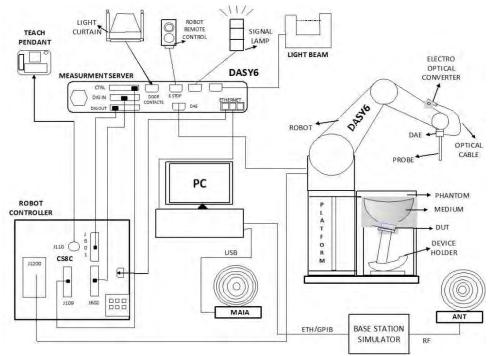


Page: 8 of 75

SAR System

Block Diagram (DASY6)

The DASY system used for performing compliance tests consists of the following items:



- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running Windows 10 and the DASY6 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted 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

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 www.sgs.com.tw



Page: 9 of 75

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 750/835/1750/1900/2450/5250/5600/5750 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	10 μW/g to > 100 mW/g
Range	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. 除非只有铅明,此就是结果做新加速之緣具有書,同時此緣具屬風內內干。大規集主極大公司書面對可,不可如公道制。

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

S 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 份有限公司 t (886-2) 2299-3279 f (886-2) 2298-0488 www.sgs.com.tw



Page: 10 of 75

PHANTOM (ELI)

	= :/	
Model	ELI	
Construction	The ELI phantom is used for complia mounted wireless devices in the frequell is fully compatible with the IEC tissue simulating liquids. ELI has performance and can be integrated in cover prevents evaporation of the liphantom allow installation of the companion positions and measurement phantom is compatible with all SPEAC	uency range of 30 MHz to 6 GHz. 62209-2 standard and all known been optimized regarding its ato our standard phantom tables. A quid. Reference markings on the plete setup, including all predefined grids, by teaching three points. The
Shell	2 ± 0.2 mm	11000
Thickness		
Filling Volume	Approx. 30 liters	
Dimensions	Major axis: 600 mm	The second commence of the
	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.

台灣檢驗科技股份有限公司

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 f (886-2) 2298-0488



Page: 11 of 75

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 fromeference po 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.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非只有铅明,此数些结甲磺胺别对关键具色素,同既此类具属是例如于。大数型生产概太从司隶而统可,不可如必遏制。

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

台灣檢驗科技股份有限公司 t (886-2

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



Page: 12 of 75

3.3 Measurement results of Tissue Simulant Liquid

Measured Frequency (MHz)	Target Dielectric Constant, εr	Target Conductivity, σ (S/m)	Measured Dielectric Constant, εr	Measured Conductivity, σ (S/m)	% dev εr	% dev σ	Limit	Measurement Date
704	42.145	0.887	41.898	0.884	-0.59%	-0.33%	± 5%	
711	42.108	0.887	41.861	0.885	-0.59%	-0.27%	± 5%	
750	41.900	0.890	41.659	0.887	-0.58%	-0.34%	± 5%	
782	41.749	0.894	41.492	0.890	-0.62%	-0.42%	± 5%	
829	41.528	0.899	41.293	0.902	-0.57%	0.30%	± 5%	May. 12, 2024
835	41.500	0.900	41.272	0.904	-0.55%	0.44%	± 5%	
836.5	41.500	0.902	41.264	0.905	-0.57%	0.38%	± 5%	
844	41.500	0.910	41.239	0.907	-0.63%	-0.30%	± 5%	
1720	40.114	1.354	39.843	1.362	-0.68%	0.57%	± 5%	
1732.5	40.075	1.361	39.823	1.370	-0.63%	0.63%	± 5%	
1745	40.093	1.369	39.804	1.377	-0.72%	0.62%	± 5%	
1750	40.100	1.370	39.796	1.380	-0.76%	0.73%	± 5%	10 0004
1770	40.043	1.383	39.764	1.391	-0.70%	0.59%	± 5%	May. 13, 2024
1860	40.000	1.400	39.717	1.412	-0.71%	0.86%	± 5%	
1880	40.000	1.400	39.717	1.413	-0.71%	0.93%	± 5%	
1900	40.000	1.400	39.717	1.413	-0.71%	0.93%	± 5%	
2402	39.282	1.757	39.002	1.783	-0.71%	1.45%	± 5%	
2412	39.265	1.766	38.985	1.791	-0.71%	1.40%	± 5%	
2422	39.248	1.775	38.967	1.800	-0.72%	1.40%	± 5%	
2437	39.222	1.788	38.940	1.813	-0.72%	1.37%	± 5%	
2441	39.215	1.792	38.933	1.816	-0.72%	1.34%	± 5%	May. 14, 2024
2450	39.200	1.800	38.917	1.824	-0.72%	1.33%	± 5%	
2452	39.197	1.802	38.915	1.826	-0.72%	1.32%	± 5%	
2462	39.184	1.813	38.902	1.835	-0.72%	1.22%	± 5%	
2480	39.160	1.832	38.879	1.851	-0.72%	1.04%	± 5%	
5180	36.020	4.639	35.726	4.624	-0.82%	-0.32%	± 5%	
5190	36.010	4.650	35.714	4.634	-0.82%	-0.33%	± 5%	
5230	35.970	4.690	35.668	4.675	-0.84%	-0.32%	± 5%	
5250	35.950	4.710	35.646	4.696	-0.85%	-0.30%	± 5%	
5260	35.940	4.720	35.634	4.706	-0.85%	-0.30%	± 5%	
5300	35.900	4.760	35.588	4.747	-0.87%	-0.27%	± 5%	
5320	35.880	4.780	35.566	4.767	-0.88%	-0.27%	± 5%	
5500	35.650	4.965	35.360	4.953	-0.81%	-0.24%	± 5%	May. 15, 2024
5600	35.500	5.070	35.246	5.055	-0.72%	-0.30%	± 5%	
5700	35.400	5.170	35.131	5.156	-0.76%	-0.27%	± 5%	
5720	35.380	5.190	35.108	5.177	-0.77%	-0.25%	± 5%	
5745	35.355	5.215	35.080	5.202	-0.78%	-0.25%	± 5%	
5750	35.350	5.220	35.074	5.208	-0.78%	-0.23%	± 5%	
5785	35.315	5.255	35.034	5.243	-0.80%	-0.23%	± 5%	
5825	35.275	5.296	34.988	5.284	-0.81%	-0.23%	± 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. 除北只方的时,此起生处田茂縣和建立建立,居时此接且茂原河の子。太祖华上海大河自東西地方,无可如此海剿。

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

GS 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



Page: 13 of 75

3.4 The composition of the tissue simulating liquid:

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

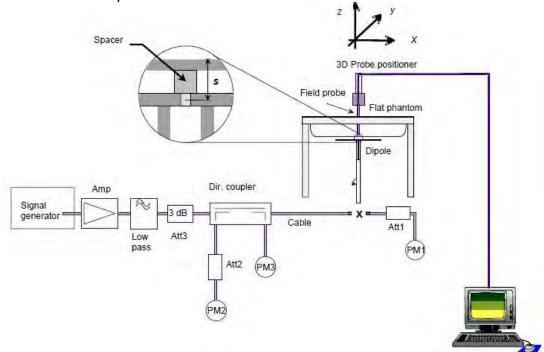
Broad-band head tissue simulating	SPEAG Product	Frequency range (MHz)	Main Ingredients
liquids	HBBL600- 10000V6	600 - 10000	Water, Oil

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.

台灣檢驗科技股份有限公司

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



Page: 14 of 75

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	8.63	2.21	8.84	2.43	± 10%	May.12,2024
D835V2	4d063	835	9.53	2.4	9.6	0.73	± 10%	May.12,2024
D1750V2	1008	1750	36.4	8.92	35.68	-1.98	± 10%	May.13,2024
D1900V2	5d056	1900	40.5	10.1	40.4	-0.25	± 10%	May.13,2024
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
D2450V2	727	2450	52.7	13.1	52.4	-0.57	± 10%	May.14,2024
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
D5GHzV2	1023	5250	78.8	7.74	77.4	-1.78	± 10%	May.15,2024
D5GHzV2	1023	5600	81.3	8.57	85.7	5.41	± 10%	May.15,2024
D5GHzV2	1023	5750	78	7.47	74.7	-4.23	± 10%	May.15,2024

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. 除非只有铅明,此数华结甲属影测过之样只有含,同时此样只属是例如于。大规华主领大风司事而连可,不可如以推测。

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



Page: 15 of 75

4 TEST CONFIGURATIONS

4.1 Test Environment

Ambient Temperature: 22±2° C Tissue Simulating Liquid: 22±2° 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 W/kg, when the transmission band is \leq 100 MHz.
- **General:** According to KDB865664D01v01r04, SAR measurement variability must be assessed for each frequency band. When the original highest measured SAR is ≥ 0.8 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 ≥ 1.45 W/kg (~ 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 ≤ 0.8 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 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. 안보고 되었다. 사원보조로 医함께 나는 가쁜 모습을 기업하다는 모습을 가입하다는 사원보고 전혀 사기를 표현했다. 지기에 사용해 .

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



Page: 16 of 75

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 \leq 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 > ½ 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 > ½ 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. 除非只有铅明,此数华结甲属影测过之样只有含,同时此样只属是例如于。大规华主领大风司事而连可,不可如以推测。

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



Page: 17 of 75

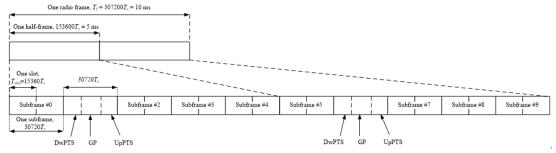


Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity)

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

• Coosial	N ₀	ormal cyclic prefix in	downlink₽	Ext	ended cyclic prefix in	n downlink∂
Special subframe	DwPTS-	Upl	ets.	DwPTS.	Upl	e ts ∘
configuratio n₀	ę.	Normal cyclic prefix↓ in uplink∂	Extended cyclic prefix ↓ in uplink∂	ę	Normal cyclic prefix in uplink∂	Extended cyclic prefix in uplink
0€	6592 · T _s ₽			7680 ⋅ T _s ₽		
1.0	19760∙ <i>T</i> _s ₽			20480·T _s		
2.	21952·T _s	(1+X)·2192·T, 4	$(1+X) \cdot 2560 \cdot T_{s} +$	23040·T _s	$(1+X)\cdot 2192\cdot T_s \varphi$	$(1+X)\cdot 2560\cdot T_s$
3.0	24144·T _s	() '	() '	25600·T _s		
ı 4₽	26336·T _s			7680 · T _s 🕫		
5₽	6592 · T _s ₽			20480·T _s	$(2+X)\cdot 2192\cdot T_s$	(2+X)·2560·7
6₽	19760 · T _s ₽	()	()	23040 · T _s	P	ę.
7₽	21952·T _s	$(2+X)\cdot 2192\cdot T_s$	$(2+X)\cdot 2560\cdot T_{\rm s}$	12800 · T _s &		
8₽	24144·T _s			- ¢	- ¢³	- 43
9₽	13168 · T _s &			<i>p</i>	- 0	- ₽

Table 4.2-2: Uplink-downlink configurations

•	Uplink-downlink .	Downlink-to-Uplink ⊸				Sub	Subframe number₽						
	configuration <i>₀</i>	Switch-point periodicity⊮	0₽	1₽	2₽	3₽	4₽	5₽	6₽	7₽	8₽	9₽	
-	043	5 <u>ms</u> .	D⇔	S₽	U₽	U₽	U₽	D₽	S₽	U₽	U₽	U₽	
•	1₽	5 <u>ms</u> -	D⇔	S₽	U₽	U₽	D₽	D₽	S₽	U₽	U₽	D₽	
•	2₽	5 <u>ms</u> -	D⇔	S₽	U₽	D₽	D₽	D₽	S₽	U₽	D₽	D₽	
-	3₽	10 <u>ms</u> -	D₊	S₽	U₽	U₽	U₽	D₽	D₽	D₽	D₽	٦	
-	4₊3	10 <u>ms</u> -	D₊	S₽	U₽	U₽	D₽	D₽	D₽	٥	D₽	٦	
•	5₽	10 <u>ms</u> -	D₽	S₽	U₽	D₽	D₽	D₽	D₽	D₽	D₽	D₽	
•	6₽	5 ms ∘	D↔	S₽	U₽	U₽	U₽	D₽	S₽	U₽	U₽	D₽	

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%.

 WLAN 2.4GHz: 802.11b DSSS SAR Test Requirements: SAR is measured for 2.4 GHz 802.11b DSSS mode using the highest measured maximum output power

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

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

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

www.sgs.com.tw



Page: 18 of 75

channel, when the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration. When the reported SAR is > 0.8 W/kg, SAR is required for that exposure configuration using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel; i.e., all channels require testing.

- WLAN 2.4GHz: 802.11g/n OFDM SAR Test Exclusion Requirements: SAR is not required for 802.11g/n since the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
- WLAN 5GHz: Initial Test Configuration: An initial test configuration is determined for OFDM transmission modes according to the channel bandwidth, modulation and data rate combination(s) with the highest maximum output power specified for production units in each standalone and aggregated frequency band. SAR is measured using the highest measured maximum output power channel. When the reported SAR of the initial test configuration is > 0.8 W/kg, SAR measurement is required for the subsequent next highest measured output power channel(s) in the initial test configuration until the reported SAR is \leq 1.2 W/kg or all required channels are tested. Since the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is \leq 1.2 W/kg, SAR is not required for subsequent test configuration.
- **NFC test exclusion:** Based on KDB447498D01v06 4.3.1 c), SAR test exclusion threshold for NFC (13.56MHz) shall be evaluated as below,
- a) For test separation distances \leq 50 mm, the power threshold determined by the equation in 4.3.1 c) 1) for 50 mm and 100 MHz is multiplied by $\frac{1}{2}$
- b) The power threshold at 50mm/100 MHz in 4.3.1 b) is multiplied by [1 + log(100/f(MHz))] where f is 13.56MHz
- c) The power threshold in 4.3.1 b) is [Power allowed at numeric threshold for 50 mm in 4.3.1 a)] + [(test separation distance -50 mm)·(f(MHz)/150)] mW, for 100 MHz to 1500 MHz where test separation distance is 50mm, frequency is 100MHz.
- d) Power allowed at numeric threshold for 50 mm in 4.3.1 a) is $[3/\sqrt{f(GHz)}]\cdot(test)$ separation distance)

Hence, SAR test exclusion threshold is calculated in reverse sequence:

- d): $[3/\sqrt{0.1}]\cdot 50 = 474.3416$ mW
- c): $474.3416 + (50-50) \cdot (100/150) = 474.3416$ mW
- b): 474.3416·[1+log(100/13.56)] = 885.9470mW
- a): 885.9470 · 0.5 = 442.974mW

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

SGS Taiwan Ltd.

台灣檢驗科技股份有限公司

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



Page: 19 of 75

So the extremity SAR test exclusion power threshold for NFC(13.56MHz) is 442.974*2.5 = 1107.435mW (equal to 30.443dBm).

Also, the maximum power of NFC is -38.77757 dBm (converted from 36.38 dBuV/m at 30m) and it is far below the exclusion threshold, so extremity SAR test for NFC can be excluded.

- NFC estimated SAR: Based on KDB447498D01v06 4.3.2 b), when an antenna qualifies for the standalone SAR test exclusion of 4.3.1 and also transmits simultaneously with other antennas, the standalone SAR value must be estimated according to the following to determine the simultaneous transmission SAR test exclusion criteria:
- 1) [(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)]·[$\sqrt{f(GHz)/x}$] W/kg, for test separation distances \leq 50 mm, where x = 7.5 for 1-g SAR and x = 18.75 for 10-g SAR.

Using the most conservative test separation distance 5mm, so the estimated 10g-SAR for NFC would be 0.00000016457901 W/Kg.

 $[0.0001325/5] \cdot [\sqrt{0.01356/18.75}] = 0.00000016457901 \text{ W/Kg}$

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.



Page: 20 of 75

4.3 Test position

Limb SAR test position (0 mm)
A separation distance of 0mm shall be used for limb SAR test.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非只有铅明,此数华结甲属影测过之样只有含,同时此样只属是例如于。大规华主领大风司事而连可,不可如以推测。

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

GS 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



Page: 21 of 75

7.7 103(1)

§ 2.1093(d)(1) Applications for

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. 除非只有铅明,此起是结果成熟到这种是一名类,因此此类具体是现象的形式,未知是主领大人司事富效可,因可以必有制。

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

台灣檢驗科技股份有限公司

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



Page: 22 of 75

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. 除非只有铅明,此数华结甲属影测过之样只有含,同时此样只属是例如于。大规华主领大风司事而连可,不可如以推测。

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

www.sgs.com.tw



Page: 23 of 75

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
	(i) Limits for Oc	cupational/Controlled Ex	posure	
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 Genera	l Population/Uncontrolle	d 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.



Page: 24 of 75

5 MAXIMUM OUTPUT POWER

5.1 FDD LTE

			LTE	Band 2				
BW(MHz)	Modulation	RB Size	RB Offset	Cond	ucted power ((dBm)	Target Power +	MPR
	Frequenc	y (MHz)		1860	1880	1900	Max. Tolerance	Allowed per 3GPP(dB)
	Char	nnel		18700	18900	19100	(dBm)	3GI I (db)
		1	0	21.12	20.89	20.98	22.00	0
		1	50	20.97	20.90	20.87	22.00	0
		1	99	20.85	20.83	20.91	22.00	0
20	QPSK	50	0	19.94	19.83	19.87	21.00	1
		50	25	19.99	19.82	19.87	21.00	1
		50	50	19.81	19.96	19.91	21.00	1
		100	0	19.93	19.87	20.00	21.00	1
		1	0	19.97	19.90	19.93	21.00	1
		1	50	19.95	19.90	19.89	21.00	1
		1	99	19.98	19.90	19.97	21.00	1
20	16-QAM	50	0	18.94	18.82	18.94	20.00	2
		50	25	18.85	18.90	18.89	20.00	2
		50	50	18.89	18.84	18.97	20.00	2
		100	0	18.88	18.82	18.96	20.00	2
			LTE	Band 2				
BW(MHz)	Modulation	RB Size	RB Offset	Cond	ucted power ((dBm)	Target	MPR
	Frequenc	y (MHz)		1857.5	1880	1902.5	Power + Max. Tolerance	Allowed per 3GPP(dB)
	Char	nnel		18675	18900	19125	(dBm)	3011 (db)
		1	0	20.85	20.96	20.80	22.00	0
		1	36	20.84	20.86	20.87	22.00	0
		1	74	20.88	20.96	20.89	22.00	0
15	QPSK	36	0	19.93	19.82	19.92	21.00	1
		36	18	20.00	19.93	19.89	21.00	1
		36	37	19.98	19.99	19.99	21.00	1
		75	0	19.95	19.85	19.95	21.00	1
		1	0	19.90	19.93	19.96	21.00	1
		1	36	19.89	19.94	19.92	21.00	1
		1	74	19.93	19.83	19.93	21.00	1
15	16-QAM	36	0	18.90	18.97	18.84	20.00	2
		36	18	18.91	18.83	18.92	20.00	2
		36	37	18.95	18.95	18.93	20.00	2
		75	0	18.90	18.86	18.90	20.00	2

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非只有的时,此想生红用魔影测验之缘具色素,同时此模具属是2000年。木梨生主概木公司事面纯可,不可如以推测。

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

JOS Talwari Etd.

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



Page: 25 of 75

			LTE	Band 2				
BW(MHz)	Modulation	RB Size	RB Offset	Cond	ucted power	(dBm)	Target Power +	MPR
	Frequen	cy (MHz)		1855	1880	1905	Max. Tolerance	Allowed per 3GPP(dB)
	Cha	nnel		18650	18900	19150	(dBm)	3GPP(UB)
		1	0	20.95	20.87	20.87	22.00	0
		1	25	20.92	20.89	20.82	22.00	0
		1	49	20.86	20.83	20.90	22.00	0
10	QPSK	25	0	19.90	19.93	19.98	21.00	1
		25	12	19.85	19.92	19.81	21.00	1
		25	25	19.94	19.86	19.92	21.00	1
		50	0	19.80	19.83	19.84	21.00	1
		1	0	19.91	19.87	19.91	21.00	1
		1	25	19.83	19.93	19.87	21.00	1
		1	49	19.92	19.88	19.92	21.00	1
10	16-QAM	25	0	18.95	18.98	18.99	20.00	2
		25	12	19.00	18.83	18.91	20.00	2
		25	25	18.88	18.91	19.00	20.00	2
		50	0	18.96	18.95	18.90	20.00	2
			LTE	Band 2				
BW(MHz)	Modulation	RB Size	RB Offset	Cond	ucted power	(dBm)	Target	MPR
	Frequen	cy (MHz)		1852.5	1880	1907.5	Power + Max.	Allowed per
	Cha	ınnel		18625	18900	19175	Tolerance (dBm)	3GPP(dB)
		1	0	20.84	20.93	20.98	22.00	0
		1	12	20.84	20.94	20.97	22.00	0
		1	24	20.91	20.84	20.80	22.00	0
5	QPSK	12	0	19.92	19.98	19.97	21.00	1
		12	6	19.98	19.90	19.96	21.00	1
		12	13	19.96	19.81	19.90	21.00	1
		25	0	19.93	19.95	19.87	21.00	1
		1	0	19.88	19.82	19.83	21.00	1
		1	12	19.90	19.89	19.82	21.00	1
		1	24	19.99	19.86	19.92	21.00	1
5	16-QAM	12	0	19.00	18.89	18.89	20.00	2
		12	6	18.99	18.87	18.94	20.00	2
		12	13	18.99	18.97	18.85	20.00	2
	_	05		40.00	40.00	40.07	00.00	_

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.

25

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

0

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 t (886-2) 2299-3279

19.00

18.93

18.97

2

20.00



Page: 26 of 75

			LTE	Band 2					
BW(MHz)	Modulation	RB Size	RB Offset	Cond	ucted power	(dBm)	Target Power +	MPR	
	Frequen	cy (MHz)		1851.5	1880	1908.5	Max. Tolerance	Allowed per 3GPP(dB)	
	Cha	ınnel		18615	18900	19185	(dBm)	JOPP(UB)	
		1	0	20.89	20.83	20.91	22.00	0	
		1	7	20.96	20.89	20.99	22.00	0	
		1	14	20.90	20.99	20.86	22.00	0	
3	QPSK	8	0	19.93	19.83	19.89	21.00	1	
		8	4	20.00	19.97	19.86	21.00	1	
		8	7	19.97	19.86	19.99	21.00	1	
		15	0	19.83	19.84	19.83	21.00	1	
		1	0	19.81	19.80	19.97	21.00	1	
		1	7	19.96	19.98	19.94	21.00	1	
		1	14	19.89	19.97	19.85	21.00	1	
3	16-QAM	8	0	18.81	18.85	18.82	20.00	2	
		8	4	18.82	18.81	18.88	20.00	2	
		8	7	18.80	18.85	18.94	20.00	2	
		15	0	18.92	18.83	18.92	20.00	2	
			LTE	Band 2					
BW(MHz)	Modulation	RB Size	RB Offset	Cond	ucted power	(dBm)	Target	MPR	
	Frequen	cy (MHz)		1850.7	1880	1909.3	Power + Max. Tolerance	Allowed per	
	Cha	ınnel		18607	18900	19193	(dBm)	3GPP(dB)	
		1	0	20.88	20.99	20.97	22.00	0	
		1	2	20.91	20.91	20.89	22.00	0	
		1	5	20.84	20.83	20.86	22.00	0	
1.4	QPSK	3	0	20.91	20.94	20.88	22.00	0	
		3	2	20.83	20.92	20.80	22.00	0	
		3	3	20.86	20.85	20.84	22.00	0	
		6	0	19.87	19.87	19.98	21.00	1	
		1	0	19.93	20.00	19.95	21.00	1	
		1	2	19.98	19.93	19.82	21.00	1	
		1	5	19.84	19.92	19.81	21.00	1	
1.4	16-QAM	3	0	19.96	19.86	19.85	21.00	1	
		3	2	19.99	19.90	20.00	21.00	1	
		3	3	19.94	19.90	19.84	21.00	1	
i	[_	0	40.00	40.00	40.00	00.00	_

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.

6

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

18.88

0

台灣檢驗科技股份有限公司

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

18.92

18.90

20.00



Page: 27 of 75

			LTE	Band 4							
BW(MHz)	Modulation	RB Size	RB Offset	Cond	ucted power	(dBm)	Target Power +	MPR			
	Frequen	cy (MHz)		1720	1732.5	1745	Max. Tolerance	Allowed per 3GPP(dB)			
	Cha	nnel		20050	20175	20300	(dBm)	30i i (db)			
		1	0	21.09	21.48	21.44	22.00	0			
		1	50	20.87	20.88	20.91	22.00	0			
		1	99	20.89	20.98	20.98	22.00	0			
20	QPSK	50	0	19.86	19.86	19.87	21.00	1			
		50	25	19.93	19.89	19.99	21.00	1			
		50	50	19.97	19.96	19.90	21.00	1			
		100	0	19.86	19.93	19.90	21.00	1			
		1	0	19.84	19.99	19.87	21.00	1			
		1	50	19.96	19.88	19.98	21.00	1			
		1	99	19.81	19.81	19.95	21.00	1			
20	16-QAM	50	0	18.85	18.84	18.97	20.00	2			
		50	25	18.94	18.86	18.86	20.00	2			
		50	50	18.99	18.98	18.92	20.00	2			
		100	0	18.83	18.90	18.94	20.00	2			
			LTE	Band 4							
BW(MHz)	Modulation	RB Size	RB Offset	Cond	ucted power	(dBm)	Target	MDD			
	Frequen	cy (MHz)		1717.5	1732.5	1747.5	Power + Max.	MPR Allowed per			
	Cha	nnel		20025	20175	20325	Tolerance (dBm)	3GPP(dB)			
		1	0	20.98	20.81	21.00	22.00	0			
		1	36	21.00	20.82	20.89	22.00	0			
		1	74	20.91	20.91	20.91	22.00	0			
15	QPSK	36	0	19.86	19.86	19.83	21.00	1			
		36	18	20.00	19.82	19.91	21.00	1			
		36	37	19.83	19.84	19.96	21.00	1			
		75	0	19.97	19.98	19.87	21.00	1			
		1	0	19.90	19.98	19.90	21.00	1			
		1	36	19.82	19.84	19.86	21.00	1			
		1	74	19.89	19.91	19.81	21.00	1			
15	16-QAM	36	0	18.95	18.97	18.98	20.00	2			
		36	18	18.88	18.81	18.84	20.00	2			
		36	37	18.87	18.94	18.87	20.00	2			
	-	-			7-		40.00	10.01	40.00	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.

75

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

18.89

18.94

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

0

18.83

20.00



Page: 28 of 75

			LTE	Band 4				
BW(MHz)	Modulation	RB Size	RB Offset	Cond	ucted power	(dBm)	Target Power +	MPR
	Frequenc	cy (MHz)		1715	1732.5	1750	Max. Tolerance	Allowed per 3GPP(dB)
	Chai	nnel		20000	20175	20350	(dBm)	OOI I (db)
		1	0	20.85	20.94	20.87	22.00	0
		1	25	20.83	20.94	20.96	22.00	0
		1	49	20.96	20.83	20.90	22.00	0
10	QPSK	25	0	19.82	19.82	19.83	21.00	1
		25	12	19.95	19.80	19.99	21.00	1
		25	25	19.82	19.98	19.82	21.00	1
		50	0	19.98	19.88	19.90	21.00	1
		1	0	19.93	19.92	19.90	21.00	1
		1	25	19.96	19.99	19.84	21.00	1
		1	49	19.83	19.87	19.99	21.00	1
10	16-QAM	25	0	18.94	18.94	18.91	20.00	2
		25	12	18.92	18.93	18.86	20.00	2
		25	25	18.89	18.88	18.88	20.00	2
		50	0	19.00	18.83	18.95	20.00	2
			LTE	Band 4				
BW(MHz)	Modulation	RB Size	RB Offset	Cond	ucted power	(dBm)	Target	
	Frequenc	u cy (MHz)		1712.5	1732.5	1752.5	Power + Max.	MPR Allowed per
	Cha	nnel		19975	20175	20375	Tolerance (dBm)	3GPP(dB)
		1	0	20.96	20.96	20.92	22.00	0
		1	12	20.99	20.85	20.91	22.00	0
		1	24	20.85	20.95	20.97	22.00	0
5	QPSK	12	0	19.97	19.99	19.92	21.00	1
		12	6	19.96	19.97	19.97	21.00	1
		12	13	19.98	19.90	19.89	21.00	1
		25	0	19.97	19.83	19.89	21.00	1
		1	0	19.85	19.84	19.91	21.00	1
		1	12	19.81	19.93	19.95	21.00	1
		1	24	19.85	20.00	19.91	21.00	1
5	16-QAM	12	0	18.90	18.88	18.88	20.00	2
		12	6	18.82	18.85	18.84	20.00	2
		12	13	19.00	18.82	18.96	20.00	2

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

25

0

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

18.95

台灣檢驗科技股份有限公司

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

18.86

18.80

Member of SGS Group

20.00



Page: 29 of 75

			LTE	Band 4					
BW(MHz)	Modulation	RB Size	RB Offset	Cond	ucted power	(dBm)	Target	MPR	
	Frequen	cy (MHz)		1711.5	1732.5	1753.5	Max. Tolerance	Allowed per 3GPP(dB)	
	Cha	nnel		19965	20175	20385	(dBm)	JOFF (db)	
		1	0	20.80	20.94	20.89	22.00	0	
		1	7	20.99	21.00	21.00	22.00	0	
		1	14	20.84	20.98	21.00	22.00	0	
3	QPSK	8	0	19.85	19.94	19.90	21.00	1	
		8	4	19.97	19.94	19.94	21.00	1	
		8	7	19.97	19.97	19.86	21.00	1	
		15	0	19.87	19.94	19.98	21.00	1	
		1	0	19.81	19.87	19.93	21.00	1	
		1	7	19.82	19.86	19.95	21.00	1	
		1	14	19.89	19.98	19.96	21.00	1	
3	16-QAM	8	0	18.91	18.96	19.00	20.00	2	
		8	4	18.83	18.84	18.97	20.00	2	
		8	7	18.99	18.90	18.91	20.00	2	
		15	0	18.94	18.82	18.96	20.00	2	
			LTE	Band 4					
BW(MHz)	Modulation	RB Size	RB Offset	Cond	ucted power	(dBm)	Target	MDD	
	Frequen	cy (MHz)		1710.7	1732.5	1754.3	Power + Max.	MPR Allowed per	
	Cha	nnel		19957	20175	20393	Tolerance (dBm)	3GPP(dB)	
		1	0	20.83	20.84	20.83	22.00	0	
		1	2	20.93	20.82	20.91	22.00	0	
		1	5	20.84	20.91	20.88	22.00	0	
1.4	QPSK	3	0	20.81	20.84	20.91	22.00	0	
		3	2	20.94	20.88	20.93	22.00	0	
		3	3	20.95	20.90	20.87	22.00	0	
		6	0	19.97	19.82	19.88	21.00	1	
		1	0	19.87	19.96	19.94	21.00	1	
		1	2	19.99	19.81	19.96	21.00	1	
		1	5	19.81	19.96	19.83	21.00	1	
1.4	16-QAM	3	0	19.97	19.88	19.94	21.00	1	
		3	2	19.97	20.00	19.89	21.00	1	
		3	3	19.85	19.81	19.98	21.00	1	
i				0	40.00	40.00	40.04	00.00	_

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.

6

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

18.96

0

台灣檢驗科技股份有限公司

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

18.86

18.84

20.00



Page: 30 of 75

			LIE	Band 5				
BW(MHz)	Modulation	RB Size	RB Offset	Cond	ucted power	(dBm)	Target Power +	MPR
	Frequenc	cy (MHz)		829	836.5	844	Max. Tolerance	Allowed per 3GPP(dB)
	Chai	nnel		20450	20525	20600	(dBm)	30i i (db)
		1	0	22.81	22.63	22.68	23.00	0
		1	25	22.78	22.76	22.80	23.00	0
		1	49	22.79	22.80	22.69	23.00	0
10	QPSK	25	0	21.86	21.72	21.64	22.00	1
		25	12	21.87	21.61	21.67	22.00	1
		25	25	21.91	21.70	21.61	22.00	1
		50	0	21.83	21.74	21.73	22.00	1
		1	0	21.60	21.62	21.79	22.00	1
		1	25	21.86	21.65	21.61	22.00	1
		1	49	21.61	21.65	21.63	22.00	1
10	16-QAM	25	0	20.73	20.75	20.68	21.00	2
		25	12	20.75	20.78	20.76	21.00	2
		25	25	20.92	20.63	20.77	21.00	2
		50	0	20.89	20.65	20.71	21.00	2
			LTE	Band 5				
BW(MHz)	Modulation	RB Size	RB Offset	Cond	ucted power	(dBm)	Target	
	Frequenc	y (MHz)		826.5	836.5	846.5	Power + Max.	MPR Allowed per
	Char	nnel		20425	20525	20625	Tolerance (dBm)	3GPP(dB)
		1	0	22.72	22.61	22.75	23.00	0
		1	12	22.78	22.65	22.68	23.00	0
		1	24	22.69	22.73	22.74	23.00	0
5	QPSK	12	0	21.65	21.79	21.74	22.00	1
		12	6	21.68	21.74	21.78	22.00	1
		12	13	21.78	21.80	21.73	22.00	1
		25	0	21.75	21.70	21.69	22.00	1
		1	0	21.61	21.79	21.62	22.00	1
		1	12	21.71	21.67	21.67	22.00	1
		1	24	21.73	21.73	21.67	22.00	1
5	16-QAM	12	0	20.78	20.71	20.65	21.00	2
		12	6	20.63	20.69	20.75	21.00	2
		12	13	20.71	20.78	20.75	21.00	2
					1			1

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

25

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

20.68

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 t (886-2) 2299-3279

0

20.76

20.73

21.00



Page: 31 of 75

			LTE	Band 5				
BW(MHz)	Modulation	RB Size	RB Offset	Cond	ucted power	Target	1400	
	Frequenc	825.5	836.5	847.5	Power + Max. Tolerance	MPR Allowed per 3GPP(dB)		
	Chai	20415	20525	20635	(dBm)	JGFF(GD)		
		1	0	22.62	22.67	22.79	23.00	0
		1	7	22.64	22.66	22.61	23.00	0
		1	14	22.72	22.62	22.69	23.00	0
3	QPSK	8	0	21.67	21.60	21.70	22.00	1
		8	4	21.70	21.63	21.80	22.00	1
		8	7	21.71	21.68	21.66	22.00	1
,		15	0	21.72	21.70	21.74	22.00	1
		1	0	21.76	21.70	21.66	22.00	1
		1	7	21.72	21.78	21.73	22.00	1
	16-QAM	1	14	21.63	21.72	21.68	22.00	1
3		8	0	20.69	20.77	20.78	21.00	2
		8	4	20.71	20.60	20.64	21.00	2
		8	7	20.66	20.76	20.62	21.00	2
		15	0	20.63	20.74	20.69	21.00	2
			LTE	Band 5				
BW(MHz)	BW(MHz) Modulation RB Size RB Offset				Conducted power (dBm)			
	Frequenc	cy (MHz)		824.7	836.5	848.3	Power + Max.	MPR Allowed per
	Chai	nnel		20407	20525	20643	Tolerance (dBm)	3GPP(dB)
		1	0	22.68	22.78	22.76	23.00	0
		1	2	22.70	22.64	22.64	23.00	0
	QPSK	1	5	22.71	22.62	22.60	23.00	0
1.4		3	0	22.68	22.67	22.79	23.00	0
		3	2	22.77	22.78	22.66	23.00	0
		3	3	22.71	22.64	22.72	23.00	0
		6	0	21.80	21.67	21.78	22.00	1
	16-QAM	1	0	21.69	21.64	21.69	22.00	1
		1	2	21.72	21.61	21.63	22.00	1
		1	5	21.66	21.75	21.75	22.00	1
1.4		3	0	21.79	21.71	21.72	22.00	1
		3	2	21.63	21.62	21.60	22.00	1
		3	3	21.77	21.69	21.78	22.00	1

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

6

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

20.62

20.74

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 t (886-2) 2299-3279 www.sgs.com.tw

0

20.72

21.00



Page: 32 of 75

MPR
Allowed per 3GPP(dB)
JOH (GB)
0
0
0
1
1
1
1
1
1
1
2
2
2
2
MDD
MPR Allowed per
3GPP(dB)
0
0
0
0
0 0 1
0 0 1 1
0 0 1 1 1
0 0 1 1 1 1
0 0 1 1 1 1 1
0 0 1 1 1 1 1 1
0 0 1 1 1 1 1 1 1

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

25

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

20.43

20.43

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

0

20.45

21.00



Page: 33 of 75

			LTE	Band 12				
BW(MHz)	Modulation	RB Size	RB Offset	Cond	ucted power	Target	MDD	
	Frequenc	700.5	707.5	714.5	Power + Max. Tolerance	MPR Allowed per 3GPP(dB)		
	Chai	23025	23095	23165	(dBm)	30i i (db)		
		1	0	22.36	22.48	22.49	23.00	0
		1	7	22.44	22.35	22.37	23.00	0
		1	14	22.39	22.48	22.35	23.00	0
3	QPSK	8	0	21.41	21.39	21.31	22.00	1
		8	4	21.33	21.40	21.43	22.00	1
		8	7	21.50	21.41	21.50	22.00	1
		15	0	21.47	21.42	21.48	22.00	1
		1	0	21.41	21.36	21.47	22.00	1
		1	7	21.46	21.38	21.46	22.00	1
	16-QAM	1	14	21.37	21.50	21.39	22.00	1
3		8	0	20.42	20.47	20.43	21.00	2
		8	4	20.39	20.33	20.30	21.00	2
		8	7	20.39	20.48	20.47	21.00	2
		15	0	20.46	20.39	20.34	21.00	2
			LTE	Band 12				
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target	
	Frequenc	cy (MHz)		699.7	707.5	715.3	Power + Max.	MPR Allowed per
	Chai	nnel		23017	23095	23173	Tolerance (dBm)	3GPP(dB)
		1	0	22.37	22.39	22.39	23.00	0
		1	2	22.33	22.44	22.42	23.00	0
		1	5	22.36	22.45	22.40	23.00	0
1.4	QPSK	3	0	22.34	22.36	22.36	23.00	0
		3	2	22.49	22.39	22.40	23.00	0
		3	3	22.47	22.46	22.43	23.00	0
		6	0	21.37	21.33	21.33	22.00	1
	16-QAM	1	0	21.37	21.49	21.32	22.00	1
		1	2	21.45	21.31	21.47	22.00	1
		1	5	21.33	21.45	21.32	22.00	1
1.4		3	0	21.41	21.45	21.49	22.00	1
		3	2	21.35	21.39	21.46	22.00	1
		3	3	21.30	21.46	21.31	22.00	1
							T -	

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

6

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

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

0

20.37

20.41

20.40

21.00



Page: 34 of 75

			LTE	Band 13				
BW(MHz)	Modulation	RB Size	RB Offset	Cond	ucted power	(dBm)	Target	MPR
	Frequen		782			Allowed per 3GPP(dB)		
	Cha		23230		Tolerance (dBm)			
		1	0		22.74		23.00	0
		1	25		22.60		23.00	0
		1	49		22.68		23.00	0
10	QPSK	25	0		21.53		22.00	1
		25	12		21.55		22.00	1
		25	25		21.56		22.00	1
		50	0		21.60		22.00	1
		1	0		21.64		22.00	1
		1	25		21.50		22.00	1
	16-QAM	1	49		21.59		22.00	1
10		25	0		20.51		21.00	2
		25	12		20.60		21.00	2
		25	25		20.68		21.00	2
		50	0		20.68		21.00	2
			LTE	Band 13				
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target	
` '					- ' ' '		Power +	MPR
	Frequen	cy (MHz)		779.5	782	784.5	Max.	Allowed per
	·						Tolerance	3GPP(dB)
	Cha	nnel		23205	23230	23255	(dBm)	, ,
		1	0	22.60	22.70	22.60	23.00	0
		1	12	22.54	22.52	22.64	23.00	0
	QPSK	1	24	22.58	22.67	22.70	23.00	0
5		12	0	21.51	21.64	21.52	22.00	1
		12	6	21.57	21.53	21.51	22.00	1
		12	13	21.61	21.67	21.58	22.00	1
		25	0	21.52	21.63	21.61	22.00	1
	16-QAM	1	0	21.66	21.65	21.58	22.00	1
		1	12	21.69	21.66	21.53	22.00	1
		1	24	21.64	21.70	21.62	22.00	1
5		12	0	20.57	20.64	20.55	21.00	2
		12	6	20.67	20.57	20.51	21.00	2
		12	13	20.53	20.54	20.60	21.00	2
		0.5		00.50	00.00	00.00	04.00	

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. 除北只方的时,此起生处田茂縣和建立建立,居时此接且茂原河の子。太祖华上海大河自東西地方,无可如此海剿。

25

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

20.56

20.62

JOS Talwari Etd.

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

0

20.62

21.00



Page: 35 of 75

			LTE	Band 66				
BW(MHz)	Modulation	RB Size	RB Offset	Cond	ucted power	Target Power +	MPR	
	Frequenc	1720	1745	1770	Max. Tolerance	Allowed per 3GPP(dB)		
	Chai	132072	132322	132572	(dBm)	OGIT (GD)		
		1	0	20.98	21.28	21.26	22.00	0
		1	50	21.09	21.04	21.13	22.00	0
		1	99	21.04	21.03	21.09	22.00	0
20	QPSK	50	0	20.01	20.04	20.10	21.00	1
		50	25	20.06	20.09	20.09	21.00	1
		50	50	20.07	20.15	20.06	21.00	1
		100	0	20.20	20.09	20.09	21.00	1
		1	0	20.13	20.16	20.12	21.00	1
		1	50	20.19	20.11	20.17	21.00	1
	16-QAM	1	99	20.20	20.16	20.16	21.00	1
20		50	0	19.03	19.13	19.07	20.00	2
		50	25	19.06	19.16	19.20	20.00	2
		50	50	19.17	19.07	19.15	20.00	2
		100	0	19.19	19.15	19.06	20.00	2
			LTE	Band 66				
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target	
	Frequency (MHz)				1745	1772.5	Power + Max.	MPR Allowed per
	Cha	nnel		132047	132322	132597	Tolerance (dBm)	3GPP(dB)
		1	0	21.07	21.01	21.14	22.00	0
		1	36	21.05	21.13	21.10	22.00	0
	QPSK	1	74	21.14	21.03	21.10	22.00	0
15		36	0	20.05	20.17	20.15	21.00	1
		36	18	20.13	20.10	20.16	21.00	1
		36	37	20.18	20.04	20.06	21.00	1
		75	0	20.00	20.17	20.13	21.00	1
		1	0	20.11	20.03	20.12	21.00	1
	16-QAM	1	36	20.20	20.20	20.05	21.00	1
		1	74	20.16	20.05	20.20	21.00	1
15		36	0	19.13	19.05	19.18	20.00	2
		36	18	19.10	19.11	19.07	20.00	2
		36	37	19.12	19.11	19.14	20.00	2

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

75

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

19.19

19.07

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

0

19.17

20.00



Page: 36 of 75

			LTE	Band 66				
BW(MHz)	Modulation	RB Size	RB Offset	Cond	ucted power	Target Power +	MDD	
	Frequenc	1715	1745	1775	Max. Tolerance	MPR Allowed per 3GPP(dB)		
	Char	132022	132322	132622	(dBm)	JOH (GD)		
		1	0	21.02	21.08	21.17	22.00	0
		1	25	21.20	21.01	21.09	22.00	0
		1	49	21.10	21.12	21.08	22.00	0
10	QPSK	25	0	20.16	20.12	20.15	21.00	1
		25	12	20.09	20.10	20.16	21.00	1
		25	25	20.17	20.12	20.12	21.00	1
		50	0	20.11	20.16	20.01	21.00	1
		1	0	20.05	20.04	20.08	21.00	1
		1	25	20.12	20.05	20.12	21.00	1
	16-QAM	1	49	20.18	20.12	20.13	21.00	1
10		25	0	19.05	19.15	19.16	20.00	2
		25	12	19.03	19.05	19.17	20.00	2
		25	25	19.13	19.10	19.09	20.00	2
		50	0	19.04	19.15	19.01	20.00	2
			LTE	Band 66				
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target	
	Frequenc	cy (MHz)		1712.5	1745	1777.5	Power + Max.	MPR Allowed per
	Char	nnel		131997	132322	132647	Tolerance (dBm)	3GPP(dB)
		1	0	21.16	21.12	21.00	22.00	0
		1	12	21.18	21.04	21.12	22.00	0
		1	24	21.18	21.10	21.05	22.00	0
5	QPSK	12	0	20.09	20.11	20.12	21.00	1
		12	6	20.06	20.15	20.08	21.00	1
		12	13	20.14	20.14	20.09	21.00	1
		25	0	20.20	20.02	20.09	21.00	1
		1	0	20.11	20.01	20.06	21.00	1
	16-QAM	1	12	20.05	20.11	20.09	21.00	1
		1	24	20.00	20.02	20.09	21.00	1
5		12	0	19.11	19.10	19.03	20.00	2
		12	6	19.07	19.03	19.15	20.00	2
		12	13	19.08	19.10	19.01	20.00	2
							1	

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

25

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

19.04

19.11

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

0

19.11

20.00



Page: 37 of 75

			LTE	Band 66				
BW(MHz)	Modulation	RB Size	RB Offset	Cond	ucted power	(dBm)	Target	MDD
	Frequenc	cy (MHz)		1711.5	1745	1778.5	Power + Max. Tolerance	MPR Allowed per
	Cha	nnel		131987	132322	132657	(dBm)	3GPP(dB)
		1	0	21.10	21.19	21.11	22.00	0
		1	7	21.01	21.10	21.18	22.00	0
		1	14	21.01	21.06	21.04	22.00	0
3	QPSK	8	0	20.10	20.16	20.08	21.00	1
		8	4	20.11	20.08	20.07	21.00	1
		8	7	20.02	20.08	20.09	21.00	1
		15	0	20.11	20.01	20.05	21.00	1
		1	0	20.09	20.02	20.19	21.00	1
		1	7	20.04	20.20	20.08	21.00	1
		1	14	20.04	20.01	20.19	21.00	1
3	16-QAM	8	0	19.20	19.16	19.11	20.00	2
	10 07 1111	8	4	19.02	19.15	19.09	20.00	2
		8	7	19.05	19.18	19.19	20.00	2
		15	0	19.06	19.05	19.20	20.00	2
			LTE	Band 66				
BW(MHz)	Modulation	RB Size	RB Offset	Cond	ucted power	(dBm)	Target	MDD
	Frequenc	cy (MHz)		1710.7	1745	1779.3	Power + Max.	MPR Allowed per
	Cha	nnel		131979	132322	132665	Tolerance (dBm)	3GPP(dB)
		1	0	21.14	21.03	21.07	22.00	0
		1	2	21.19	21.01	21.07	22.00	0
		1	5	21.15	21.05	21.12	22.00	0
1.4	QPSK	3	0	21.01	21.01	21.02	22.00	0
		3	2	21.18	21.07	21.16	22.00	0
		3	3	21.20	21.14	21.04	22.00	0
		6	0	20.17	20.19	20.15	21.00	1
		1	0	20.07	20.01	20.18	21.00	1
		1	2	20.13	20.06	20.18	21.00	1
		1	5	20.12	20.02	20.09	21.00	1
1.4	16-QAM	3	0	20.08	20.04	20.01	21.00	1
		3	2	20.16	20.13	20.07	21.00	1
		3	3	20.19	20.08	20.01	21.00	1
		6	0	19.08	19.03	19.02	20.00	2

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

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



Page: 38 of 75

		F	Ant 1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	2412		8.00	7.55
	802.11b	6	2437	1Mbps	6.50	5.89
		11	2462		9.50	9.15
		1	2412		10.50	9.96
	802.11g	6	2437	6Mbps	10.50	10.23
2.45GHz		11	2462		11.50	11.24
2.43002		1	2412		11.00	10.35
	802.11n20-HT0	6	2437	MCS0	10.50	10.15
		11	2462		11.50	11.18
		3	2422		11.00	10.89
	802.11n40-HT0	6	2437	MCS0	14.00	13.35
		9	2452		13.00	12.55

		A	Ant 1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		16.50	16.04
	802.11a	40	5200	6Mbps	16.50	15.95
		48	5240		16.50	16.23
		36	5180		17.00	16.44
	802.11n20-HT0	40	5200	MCS0	17.00	15.76
		48	5240		16.50	15.94
5.15-5.25 GHz		36	5180		17.00	16.46
5.15-5.25 GHZ	802.11ac20-VHT0	40	5200	MCS0	16.50	15.78
		48	5240		16.50	15.99
	802.11n40-HT0	38	5190	MCS0	15.50	15.27
	002.11/140-H10	46	5230	IVICSU	17.00	16.42
	802.11ac40-VHT0	38	5190	MCS0	15.50	15.37
	002.11a040-VH10	46	5230	IVICSU	17.00	16.46
	802.11ac80-VHT0	42	5210	MCS0	14.00	13.71

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

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



Page: 39 of 75

		<i>F</i>	<u> </u>			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		52	5260		19.00	18.33
	802.11a	60	5300	6Mbps	19.00	18.36
		64	5320		17.50	17.34
		52	5260		18.00	17.33
	802.11n20-HT0	60	5300	MCS0	18.00	17.38
		64	5320		17.00	16.46
5.25-5.35 GHz		52	5260		18.00	17.64
5.25-5.35 GHZ	802.11ac20-VHT0	60	5300	MCS0	18.00	17.44
		64	5320		18.00	17.35
	802.11n40-HT0	54	5270	MCS0	16.50	16.37
	002.111 4 0-H10	62	5310	IVICSU	15.00	14.86
	802.11ac40-VHT0	54	5270	MCS0	16.50	16.43
	002.11a040-VH10	62	5310	IVICSU	15.50	15.21
	802.11ac80-VHT0	58	5290	MCS0	12.50	12.04

		F	√nt 1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		100	5500		19.00	18.70
	802.11a	140	5700	6Mbps	17.00	16.89
		144	5720		19.00	18.35
		100	5500		17.50	17.23
	802.11n20-HT0	140	5700	MCS0	15.50	15.29
		144	5720		17.50	17.25
		100	5500		17.50	17.28
	802.11ac20-VHT0	140	5700	MCS0	15.50	15.35
5.6GHz		144	5720		18.00	17.33
3.00112		102	5510	1	15.50	15.48
	802.11n40-HT0	134	5670	MCS0	16.50	16.40
		142	5710		17.00	16.51
		102	5510]	16.00	15.56
	802.11ac40-VHT0	134	5670	MCS0	16.50	16.42
		142	5710		17.00	16.53
		106	5530		13.00	12.99
	802.11ac80-VHT0	122	5610	MCS0	16.00	15.50
		138	5690		16.00	15.58

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

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



Page: 40 of 75

		<i>F</i>	<u> </u>			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		149	5745		19.00	18.54
	802.11a	157	5785	6Mbps	19.00	18.34
		165	5825		19.00	18.31
		149	5745		18.00	17.23
	802.11n20-HT0	157	5785	MCS0	18.00	17.36
		165	5825		18.00	17.48
5.8GHz		149	5745		18.00	17.26
3.0GHZ	802.11ac20-VHT0	157	5785	MCS0	18.00	17.44
		165	5825		18.00	17.51
	802.11n40-HT0	151	5755	MCS0	17.00	16.37
	002.111140-1110	159	5795	IVICOU	17.00	16.25
	802.11ac40-VHT0	151	5755	MCS0	17.00	16.38
	002.11a040-VH10	159	5795	IVICSU	16.50	16.41
	802.11ac80-VHT0	155	5775	MCS0	15.50	15.49

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非只有铅明,此報华结甲攝影測建立幾只有著,同時世幾只攝展例の主。大報华主標太公司書面對可,不可可以複劃。

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



Page: 41 of 75

5.3 **Bluetooth**

			1Mbps		2Mbps		3Mbps_		
Mode	Channel	Frequency (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	
	CH 00	2402	6.00	5.84	5.00	4.34	5.00	4.67	
BR/EDR	CH 39	2441	7.00	6.44	5.00	4.55	5.00	4.73	
	CH 78	2480	7.00	6.46	5.00	4.88	5.00	4.94	

5.4 **BLE**

Mode	Channel	Frequency		GFSK
Wode	Charmer	(MHz)	Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)
	CH 00	2402	0.5	0.32
BLE_1M	CH 19	2440	0.5	-0.05
	CH 39	2480	0.5	0.17

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

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

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

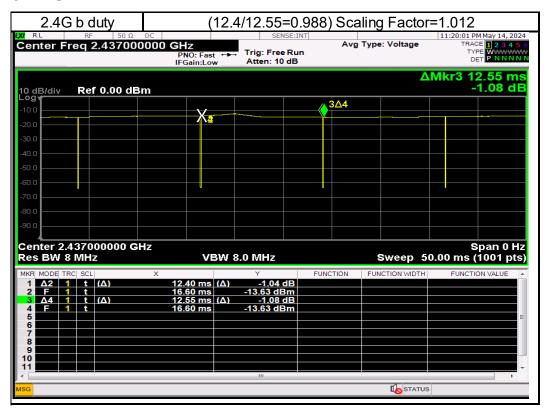
www.sgs.com.tw

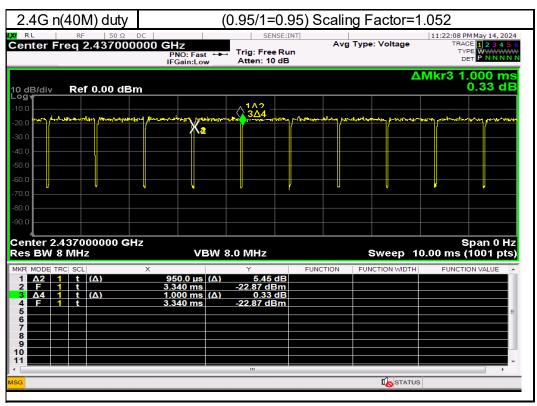


Page: 42 of 75



DUTY CYCLE



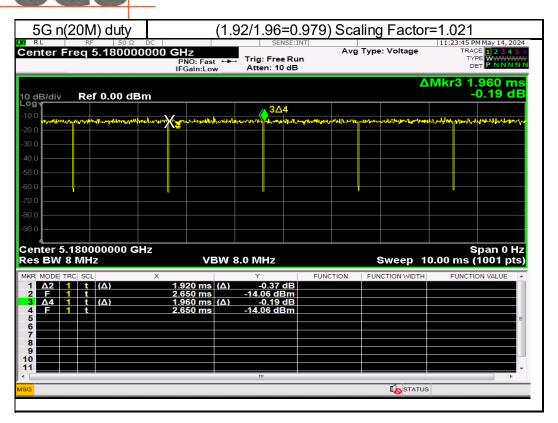


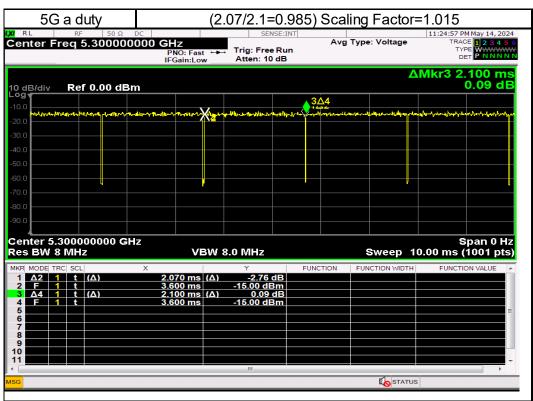
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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



Page: 43 of 75





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

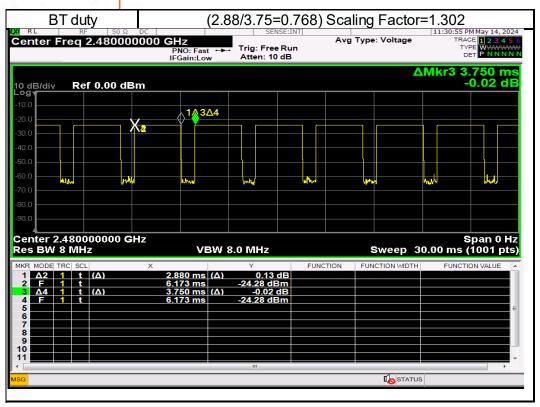
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions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

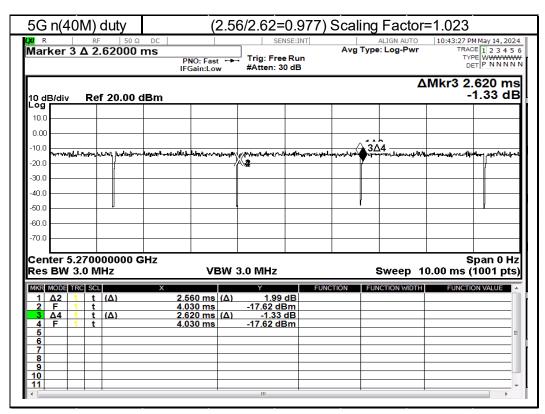
No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

f (886-2) 2298-0488



Page: 44 of 75





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

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



Page: 45 of 75

SUMMARY OF RESULTS

7.1 **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.

7.2 **Summary of SAR Results**

Limb

WWAN

VVVAIN		•	•		1									
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		AR over 10g /kg) Reported	ID
LTE Band 2			1	0	Front Surface	0	18700	1860	22.00	21.12	122.46%	0.142	0.174	-
LTE Band 2			1	0	Back Surface	0	18700	1860	22.00	21.12	122.46%	0.231	0.283	-
LTE Band 2			1	0	Top Edge	0	18700	1860	22.00	21.12	122.46%	0.257	0.315	-
LTE Band 2			1	0	Bottom Edge	0	18700	1860	22.00	21.12	122.46%	0.023	0.028	-
LTE Band 2	20MHz	OPSK	1	0	Left Edge	0	18700	1860	22.00	21.12	122.46%	0.069	0.084	-
LTE Band 2	ZUMITZ	QFSK	1	0	Right Edge	0	18700	1860	22.00	21.12	122.46%	2.570	3.147	001
LTE Band 2			1	50	Right Edge	0	18900	1880	22.00	20.90	128.82%	2.110	2.718	-
LTE Band 2			1	0	Right Edge	0	19100	1900	22.00	20.98	126.47%	2.130	2.694	-
LTE Band 2			50	25	Right Edge	0	18700	1860	21.00	19.99	126.18%	1.630	2.057	-
LTE Band 2			10	0RB	Right Edge	0	19100	1900	21.00	20.00	125.89%	1.550	1.951	-
Repeated	20MHz	QPSK	1	0	Right Edge	0	18700	1860	22	21.12	122.46%	2.51	3.074	-
LTE Band 4			1	0	Front Surface	0	20175	1732.5	22.00	21.48	112.72%	0.122	0.138	-
LTE Band 4			1	0	Back Surface	0	20175	1732.5	22.00	21.48	112.72%	0.201	0.227	-
LTE Band 4			1	0	Top Edge	0	20175	1732.5	22.00	21.48	112.72%	0.222	0.250	-
LTE Band 4			1	0	Bottom Edge	0	20175	1732.5	22.00	21.48	112.72%	0.018	0.020	-
LTE Band 4	20MHz	QPSK	1	0	Left Edge	0	20175	1732.5	22.00	21.48	112.72%	0.005	0.006	-
LTE Band 4			1	0	Right Edge	0	20050	1720	22.00	21.09	123.31%	2.490	3.070	-
LTE Band 4	_		1	0	Right Edge	0	20175	1732.5	22.00	21.48	112.72%	2.840	3.201	002
LTE Band 4	_		1	0	Right Edge	0	20300	1745	22.00	21.44	113.76%	2.610	2.969	-
LTE Band 4	_		50	25	Right Edge	0	20300	1745	21.00	19.99	126.18%	2.300	2.902	-
LTE Band 4				ORB	Right Edge	0	20175	1732.5	21.00	19.93	127.94%	2.230	2.853	-
Repeated	20MHz	QPSK	1	0	Right Edge	0	20175	1732.5	22	21.48	112.72%	2.79	3.145	-
LTE Band 5			1	0	Front Surface	0	20450	829	23.00	22.81	104.47%	0.175	0.183	
LTE Band 5			1	0	Back Surface	0	20450	829	23.00	22.81	104.47%	0.202	0.211	-
LTE Band 5	_		1	0	Top Edge	0	20450	829	23.00	22.01	104.47%	0.395	0.413	-
LTE Band 5			1	0	Bottom Edge	0	20450	829	23.00	22.81	104.47%	0.040	0.042	-
LTE Band 5			1	0	Left Edge	0	20450	829	23.00	22.81	104.47%	0.112	0.117	
LTE Band 5	10MHz	QPSK	1	0	Right Edge	0	20450	829	23.00	22.81	104.47%	0.893	0.933	003
LTE Band 5	_		1	49	Right Edge	0	20525	836.5	23.00	22.80	104.71%	0.761	0.797	-
LTE Band 5			1	25	Right Edge	0	20600	844	23.00	22.80	104.71%	0.778	0.815	-
LTE Band 5			25	25	Right Edge	0	20450	829	22.00	21.91	102.09%	0.599	0.612	-
LTE Band 5)RB	Right Edge	0	20450	829	22.00	21.83	103.99%	0.603	0.627	-
LTE Band 12	_		1	0	Front Surface	0	23130	711	23.00	22.56	110.66%	0.279	0.309	-
LTE Band 12			1	0	Back Surface	0	23130	711	23.00	22.56	110.66%	0.313	0.346	- -
LTE Band 12	_		1	0	Top Edge	0	23130	711	23.00	22.56	110.66%	0.654	0.724	-
LTE Band 12			1	0	Bottom Edge	0	23130	711	23.00	22.56	110.66%	0.016	0.018	-
LTE Band 12 LTE Band 12	10MHz	QPSK	1	0 25	Left Edge	0	23130 23060	711 704	23.00 23.00	22.56 22.50	110.66% 112.20%	0.272 0.605	0.301 0.679	-
			1	49	Right Edge		23095		23.00	22.42		0.626		-
LTE Band 12	_				Right Edge	0		707.5			114.29%		0.715	
LTE Band 12 LTE Band 12			1 25	0	Right Edge	0	23130 23060	711 704	23.00 22.00	22.56 21.49	110.66% 112.46%	0.689 0.588	0.762 0.661	004
)RB	Right Edge	0	23130	704	22.00	21.49	112.46%	0.552	0.624	-
LTE Band 12	+		50	110	Right Edge	U	23130	711	22.00	21.41	112.90%	0.002	0.024	
LTE Band 13	+		1	0	Front Surface	0	23230	782	23.00	22.74	106.17%	0.238	0.253	
LTE Band 13	\dashv		1	0	Back Surface	0	23230	782	23.00	22.74	106.17%	0.263	0.233	-
LTE Band 13	=		1	0	Top Edge	0	23230	782	23.00	22.74	106.17%	0.511	0.543	-
LTE Band 13	=		1	0	Bottom Edge	0	23230	782	23.00	22.74	106.17%	0.180	0.191	-
LTE Band 13	10MHz	QPSK	1	0	Left Edge	0	23230	782	23.00	22.74	106.17%	0.215	0.228	
LTE Band 13	\dashv		1	0	Right Edge	0	23230	782	23.00	22.74	106.17%	0.823	0.874	005
LTE Band 13			25	25	Right Edge	0	23230	782	22.00	21.56	110.66%	0.566	0.626	-
LTE Band 13				IRB	Right Edge	0	23230	782	22.00	21.60	109.65%	0.548	0.601	-
LTE Band 66			1	0	Front Surface	0	132322	1745	22.00	21.28	118.03%	0.133	0.157	-
LTE Band 66			1	0	Back Surface	0	132322	1745	22.00	21.28	118.03%	0.214	0.253	-
LTE Band 66			1	0	Top Edge	0	132322	1745	22.00	21.28	118.03%	0.247	0.292	-
LTE Band 66			1	0	Bottom Edge	0	132322	1745	22.00	21.28	118.03%	0.023	0.027	-
LTE Band 66	20MHz	OPSK	1	0	Left Edge	0	132322	1745	22.00	21.28	118.03%	0.011	0.013	-
LTE Band 66	ZUWINZ	Qi ON	1	50	Right Edge	0	132072	1720	22.00	21.09	123.31%	2.590	3.194	-
LTE Band 66			1	0	Right Edge	0	132322	1745	22.00	21.28	118.03%	2.770	3.269	006
LTE Band 66			1	0	Right Edge	0	132572	1770	22.00	21.26	118.58%	2.460	2.917	-
LTE Band 66			50	50	Right Edge	0	132322	1745	21.00	20.15	121.62%	2.160	2.627	-
LTE Band 66			10	0RB	Right Edge	0	132072	1720	21.00	20.20	120.23%	2.120	2.549	-
Repeated	20MHz	QPSK	1 1	0	Right Edge	0	132322	1745	22	21.28	118.03%	2.63	3.104	-

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

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



Page: 46 of 75

Band	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Scaling	Averaged Si (W/		ID
	(IVIFIZ)		Size	Start		(mm)		(IVITZ)	Tolerance (dBm)	(dBm)		Measured	Reported	i
LTE Band 2	20MHz	QPSK	1	0	Back Cruve	0	18700	1860	22.00	21.12	122.46%	0.155	0.190	-
LTE Band 4	20MHz	QPSK	1	0	Back Cruve	0	20175	1732.5	22.00	21.48	112.72%	0.248	0.280	-
LTE Band 5	10MHz	QPSK	1	0	Back Cruve	0	20450	829	23.00	22.81	104.47%	0.081	0.085	-
LTE Band 12	10MHz	QPSK	1	0	Back Cruve	0	23130	711	23.00	22.56	110.66%	0.063	0.070	-
LTE Band 13	10MHz	QPSK	1	0	Back Cruve	0	23230	782	23.00	22.74	106.17%	0.084	0.089	-
LTE Band 66	20MHz	QPSK	1	0	Back Cruve	0	132322	1745	22.00	21.28	118.03%	0.225	0.266	-

^{* -} repeated at the highest SAR measurement according to the KDB 865664 D01

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非只有铅明,此報华结甲攝影測建立幾只有著,同時世幾只攝展例の主。大報华主標太公司書面對可,不可可以複劃。

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

SGS Taiwan Ltd.



Page: 47 of 75

WLAN

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 10g (W/kg) Reported	ID
1411 ANI 000 441	Ant 1	F10(0	11	2462	9.50	9.15	4.040	400 400/	0.009		-
WLAN 802.11b		Front Surface						1.012	108.43%		0.010	
WLAN 802.11b	Ant 1	Back Surface	0	11	2462	9.50	9.15	1.012	108.43%	0.038	0.042	-
WLAN 802.11b	Ant 1	Top Edge	0	11	2462	9.50	9.15	1.012	108.43%	0.044	0.048	-
WLAN 802.11b	Ant 1	Bottom Edge	0	11	2462	9.50	9.15	1.012	108.43%	0.001	0.001	-
WLAN 802.11b	Ant 1	Left Edge	0	1	2412	8.00	7.55	1.012	110.96%	0.113	0.127	-
		-										_
WLAN 802.11b	Ant 1	Left Edge	0	6	2437	6.50	5.89	1.012	115.12%	0.109	0.127	-
WLAN 802.11b	Ant 1	Left Edge	0	11	2462	9.50	9.15	1.012	108.43%	0.122	0.134	00
WLAN 802.11b	Ant 1	Right Edge	0	11	2462	9.50	9.15	1.012	108.43%	0.008	0.009	-
WLAN 802.11b	Ant 1	Back Cruve	0	11	2462	9.50	9.15	1.012	108.43%	0.015	0.016	-
WLAN 802.11n(40M) 2.4G	Ant 1	Front Surface	0	6	2437	14.00	13.35	1.052	116.08%	0.017	0.021	-
WLAN 802.11n(40M) 2.4G	Ant 1	Back Surface	0	6	2437	14.00	13.35	1.052	116.08%	0.088	0.107	
												_
WLAN 802.11n(40M) 2.4G	Ant 1	Top Edge	0	6	2437	14.00	13.35	1.052	116.08%	0.099	0.121	-
WLAN 802.11n(40M) 2.4G	Ant 1	Bottom Edge	0	6	2437	14.00	13.35	1.052	116.08%	0.001	0.001	
WLAN 802.11n(40M) 2.4G	Ant 1	Left Edge	0	3	2422	11.00	10.89	1.052	102.51%	0.158	0.170	
				1								
WLAN 802.11n(40M) 2.4G	Ant 1	Left Edge	0	6	2437	14.00	13.35	1.052	116.08%	0.252	0.308	00
WLAN 802.11n(40M) 2.4G	Ant 1	Left Edge	0	9	2452	13.00	12.55	1.052	110.86%	0.227	0.265	
WLAN 802.11n(40M) 2.4G	Ant 1	Right Edge	0	6	2437	14.00	13.35	1.052	116.08%	0.011	0.013	
. ,												
WLAN 802.11n(40M) 2.4G	Ant 1	Back Cruve	0	6	2437	14.00	13.35	1.052	116.08%	0.021	0.026	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling		over 10g (W/kg)	IC
										Measured	Reported	
Bluetooth(GFSK)	Ant 1	Front Surface	0	78	2480	7.00	6.46	1.302	113.24%	0.004	0.006	
Bluetooth(GFSK)	Ant 1	Back Surface	0	78	2480	7.00	6.46	1.302	113.24%	0.012	0.018	-
Bluetooth(GFSK)	Ant 1	Top Edge	0	78	2480	7.00	6.46	1.302	113.24%	0.011	0.016	
				-								_
Bluetooth(GFSK)	Ant 1	Bottom Edge	0	78	2480	7.00	6.46	1.302	113.24%	0.001	0.001	
Bluetooth(GFSK)	Ant 1	Left Edge	0	00	2402	6.00	5.84	1.302	103.75%	0.035	0.047	
												_
Bluetooth(GFSK)	Ant 1	Left Edge	0	39	2441	7.00	6.44	1.302	113.76%	0.033	0.049	
Bluetooth(GFSK)	Ant 1	Left Edge	0	78	2480	7.00	6.46	1.302	113.24%	0.039	0.058	01
Bluetooth(GFSK)	Ant 1	Right Edge	0	78	2480	7.00	6.46	1.302	113.24%	0.002	0.003	
												Η.
Bluetooth(GFSK)	Ant 1	Back Cruve	0	78	2480	7.00	6.46	1.302	113.24%	0.005	0.007	
						Maria Bata I Arra						
D I	A., 4	B	Distance	01	Freq.	Max. Rated Avg.	Measured	Duty cycle	Power	Averaged SAR	over 10g (W/kg)	
Band	Antenna	Position	(mm)	Channel	(MHz)	Power + Max.	Avg. Power	scaling	scaling			II
			` '		` ′	Tolerance (dBm)	(dBm)	J	,	Measured	Reported	
WLAN 802.11n(40M) 5.2G	Ant 1	Front Surface	0	46	5230	17.00	16.42	1.023	114.24%	0.127	0.148	
WLAN 802.11n(40M) 5.2G			0	46	5230			1.023		0.093	0.109	
	Ant 1	Back Surface	0			17.00	16.42		114.24%			
WLAN 802.11n(40M) 5.2G	Ant 1	Top Edge	0	38	5190	15.50	15.27	1.023	105.44%	0.602	0.649	
WLAN 802.11n(40M) 5.2G	Ant 1	Top Edge	0	46	5230	17.00	16.42	1.023	114.24%	0.865	1.011	0
. ,				46	5230		16.42				0.951	_
WLAN 802.11n(40M) 5.2G	Ant 1	Bottom Edge	0			17.00		1.023	114.24%	0.814		
			0	46				1.023		0.412	0.481	
WLAN 802.11n(40M) 5.2G	Ant 1	Left Edge	U	46	5230	17.00	16.42	1.023	114.24%			
WLAN 802.11n(40M) 5.2G	Ant 1	Right Edge	0	46	5230	17.00	16.42	1.023	114.24%	0.044	0.051	_
WLAN 802.11n(40M) 5.2G	Ant 1	Right Edge	0	46	5230	17.00	16.42	1.023	114.24%	0.044	0.051	_
WLAN 802.11n(40M) 5.2G	Ant 1	Right Edge	0	46	5230	17.00	16.42	1.023	114.24%	0.044 0.086	0.051	-
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G Band	Ant 1 Ant 1 Antenna	Right Edge Back Cruve Position	0 0 Distance (mm)	46 46 Channel	5230 5230 Freq. (MHz)	17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm)	16.42 16.42 Measured Avg. Power (dBm)	1.023 1.023 Duty cycle scaling	114.24% 114.24% Power scaling	0.044 0.086 Averaged SAR Measured	0.051 0.101 over 10g (W/kg) Reported	
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G Band WLAN 802.11a 5.3G	Ant 1 Ant 1 Antenna Ant 1	Right Edge Back Cruve Position Front Surface	0 0 Distance (mm)	46 46 Channel	5230 5230 Freq. (MHz) 5300	17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36	1.023 1.023 Duty cycle scaling 1.015	114.24% 114.24% Power scaling 115.85%	0.044 0.086 Averaged SAR Measured 0.301	0.051 0.101 over 10g (W/kg) Reported 0.354	ı
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G Band	Ant 1 Ant 1 Antenna	Right Edge Back Cruve Position	0 0 Distance (mm)	46 46 Channel	5230 5230 Freq. (MHz)	17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm)	16.42 16.42 Measured Avg. Power (dBm)	1.023 1.023 Duty cycle scaling	114.24% 114.24% Power scaling	0.044 0.086 Averaged SAR Measured	0.051 0.101 over 10g (W/kg) Reported	ı
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G Band WLAN 802.11a 5.3G WLAN 802.11a 5.3G	Ant 1 Ant 1 Antenna Ant 1 Ant 1	Right Edge Back Cruve Position Front Surface Back Surface	0 0 Distance (mm) 0	46 46 Channel 60	5230 5230 Freq. (MHz) 5300 5300	17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36	1.023 1.023 Duty cycle scaling 1.015	114.24% 114.24% Power scaling 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214	0.051 0.101 over 10g (W/kg) Reported 0.354 0.252	ı
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G Band WLAN 802.11a 5.3G WLAN 802.11a 5.3G WLAN 802.11a 5.3G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge	0 0 Distance (mm) 0	46 46 Channel 60 60 52	5230 5230 Freq. (MHz) 5300 5300 5260	17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36	1.023 1.023 Duty cycle scaling 1.015 1.015	114.24% 114.24% Power scaling 115.85% 115.85% 116.65%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020	0.051 0.101 over 10g (W/kg) Reported 0.354 0.252 2.392	II
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G Band WLAN 802.11a 5.3G WLAN 802.11a 5.3G WLAN 802.11a 5.3G WLAN 802.11a 5.3G WLAN 802.11a 5.3G	Ant 1 Ant 1 Antenna Ant 1 Ant 1 Ant 1 Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge	Distance (mm) 0 0 0 0 0 0 0	46 46 Channel 60 60 52 60	5230 5230 Freq. (MHz) 5300 5300 5260 5300	17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00 19.00 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.33	1.023 1.023 2.023	114.24% 114.24% Power scaling 115.85% 115.85% 116.65%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100	0.051 0.101 over 10g (W/kg) Reported 0.354 0.252 2.392 2.469	
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G Band WLAN 802.11a 5.3G WLAN 802.11a 5.3G WLAN 802.11a 5.3G WLAN 802.11a 5.3G WLAN 802.11a 5.3G WLAN 802.11a 5.3G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge	0 0 Distance (mm) 0 0 0	46 46 Channel 60 60 52 60 64	5230 5230 Freq. (MHz) 5300 5300 5260 5300 5320	17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.33 18.36 17.34	1.023 1.023 1.023 Duty cycle scaling 1.015 1.015 1.015	114.24% 114.24% Power scaling 115.85% 115.85% 116.65%	0.044 0.086 Averaged SAR: Measured 0.301 0.214 2.020 2.100 2.040	0.051 0.101 over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148	
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G Band WLAN 802.11a 5.3G WLAN 802.11a 5.3G WLAN 802.11a 5.3G WLAN 802.11a 5.3G WLAN 802.11a 5.3G	Ant 1 Ant 1 Antenna Ant 1 Ant 1 Ant 1 Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge	Distance (mm) 0 0 0 0 0 0 0 0	46 46 Channel 60 60 52 60	5230 5230 Freq. (MHz) 5300 5300 5260 5300	17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00 19.00 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.33	1.023 1.023 2.023	114.24% 114.24% Power scaling 115.85% 115.85% 116.65%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100	0.051 0.101 over 10g (W/kg) Reported 0.354 0.252 2.392 2.469	0
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.3G WLAN 802.11a 5.3G WLAN 802.11a 5.3G WLAN 802.11a 5.3G WLAN 802.11a 5.3G WLAN 802.11a 5.3G	Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Top Edge Bottom Edge	0 0 0 Distance (mm) 0 0 0 0	46 46 Channel 60 60 52 60 64 60	5230 5230 Freq. (MHz) 5300 5300 5260 5300 5320 5300	17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00 19.00 19.00 19.00 17.50 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.33 18.36 17.34 18.36	1.023 1.023 1.023 Duty cycle scaling 1.015 1.015 1.015 1.015	114.24% 114.24% Power scaling 115.85% 115.85% 116.65% 115.85% 103.73%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002	0.051 0.101 over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002	0
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G Band WLAN 802.11a 5.3G WLAN 802.11a 5.3G	Ant 1 Ant 1 Antenna Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Bottom Edge Left Edge	0 0 0 Distance (mm) 0 0 0 0	46 46 Channel 60 60 52 60 64 60	5230 5230 Freq. (MHz) 5300 5300 5260 5300 5320 5300 5300	17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00 19.00 19.00 17.50 19.00 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.33 18.33 18.36 17.34 18.36	1.023 1.023 1.023 Duty cycle scaling 1.015 1.015 1.015 1.015 1.015 1.015	114.24% 114.24% Power scaling 115.85% 115.85% 116.65% 115.85% 103.73% 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845	0.051 0.101 over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994	0
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G Band WLAN 802.11a 5.3G WLAN 802.11a 5.3G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Top Edge Bottom Edge Left Edge Right Edge	0 0 0 Distance (mm) 0 0 0 0 0 0	46 46 Channel 60 60 52 60 64 60 60	5230 5230 Freq. (MHz) 5300 5300 5260 5300 5320 5300 5300 5300	17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00 19.00 19.00 19.00 19.00 19.00 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.33 18.36 17.34 18.36 18.36 18.36	1.023 1.023 1.023 Duty cycle scaling 1.015 1.015 1.015 1.015 1.015 1.015 1.015	114.24% 114.24% 114.24% Power scaling 115.85% 115.85% 116.65% 103.73% 115.85% 115.85% 115.85%	0.044 0.086 Averaged SAR: Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111	0.051 0.101 over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994	0
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G Band WLAN 802.11a 5.3G WLAN 802.11a 5.3G	Ant 1 Ant 1 Antenna Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Bottom Edge Left Edge	0 0 0 Distance (mm) 0 0 0 0	46 46 Channel 60 60 52 60 64 60	5230 5230 Freq. (MHz) 5300 5300 5260 5300 5320 5300 5300	17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00 19.00 19.00 17.50 19.00 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.33 18.33 18.36 17.34 18.36	1.023 1.023 1.023 Duty cycle scaling 1.015 1.015 1.015 1.015 1.015 1.015	114.24% 114.24% Power scaling 115.85% 115.85% 116.65% 115.85% 103.73% 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845	0.051 0.101 over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994	0
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G Band WLAN 802.11a 5.3G WLAN 802.11a 5.3G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Top Edge Bottom Edge Left Edge Right Edge	0 0 0 Distance (mm) 0 0 0 0 0 0	46 46 Channel 60 60 52 60 64 60 60	5230 5230 Freq. (MHz) 5300 5300 5260 5300 5320 5300 5300 5300	17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00 19.00 19.00 19.00 19.00 19.00 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.33 18.36 17.34 18.36 18.36 18.36	1.023 1.023 1.023 Duty cycle scaling 1.015 1.015 1.015 1.015 1.015 1.015 1.015	114.24% 114.24% 114.24% Power scaling 115.85% 115.85% 116.65% 103.73% 115.85% 115.85% 115.85%	0.044 0.086 Averaged SAR: Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111	0.051 0.101 over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994	01
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.3G	Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Top Edge Bottom Edge Left Edge Right Edge Back Cruve	0 0 0 Distance (mm) 0 0 0 0 0 0	46 46 Channel 60 60 52 60 64 60 60 60	5230 5230 Freq. (MHz) 5300 5300 5300 5320 5300 5300 5300 5300	17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00 19.00 19.00 17.50 19.00 19.00 19.00 19.00 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.33 18.36 17.34 18.36 18.36 18.36 18.36	1.023 1.023 1.023 Duty cycle scaling 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015	Power scaling 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111	0.051 0.101 over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262	01
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.3G	Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1 Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Top Edge Bottom Edge Left Edge Right Edge Back Cruve	0 0 0 Distance (mm) 0 0 0 0 0 0	46 46 Channel 60 60 52 60 64 60 60 60	5230 5230 Freq. (MHz) 5300 5300 5300 5320 5300 5300 5300 5300	17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00 19.00 19.00 17.50 19.00 19.00 19.00 19.00 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.33 18.36 17.34 18.36 18.36 18.36 18.36	1.023 1.023 1.023 Duty cycle scaling 1.015 1.015 1.015 1.015 1.015 1.015 1.015	Power scaling 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05	0.051 0.101 over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262	- IEE
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11a 5.3G Band Band	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Back Surface Top Edge Top Edge Top Edge Bottom Edge Left Edge Right Edge Back Cruve Top Edge	0 0 0 Distance (mm) 0 0 0 0 0 0 0 0 0 Distance (mm)	46 46 46 Channel 60 60 64 60 60 60 60 Channel	5230 5230 Freq. (MHz) 5300 5300 5300 5300 5300 5300 5300 530	17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 Power + Max. Tolerance (dBm)	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 Measured Avg. Power (dBm)	1.023 1.023 1.023 1.023 2.023 2.023 2.025	114.24% 114.24% Power scaling 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR Measured	0.051 0.101 Over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 Over 10g (W/kg) Reported	0
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11a 5.3G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Back Surface Top Edge Top Edge Top Edge Bottom Edge Bottom Edge Right Edge Back Cruve Top Edge Back Cruve Top Edge	0 0 0 Distance (mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 Distance (mm)	46 46 46 Channel 60 60 52 60 64 60 60 60 Channel	5230 5230 Freq. (MHz) 5300 5300 5300 5300 5300 5300 5300 530	17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 Max. Rated Avg. Power + Max. Tolerance (dBm)	16.42 16.42 Measured Avg, Power (dBm) 18.36 18.36 17.34 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.36 18.36	1.023 1.023 1.023 1.023 Duty cycle scaling 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015	114.24% 114.24% Power scaling 115.85% 115.85% 116.85% 103.73% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR Measured 0.224	0.051 0.101 over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 over 10g (W/kg) Reported 0.244	0
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11a 5.3G Band Band	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Back Surface Top Edge Top Edge Top Edge Bottom Edge Left Edge Right Edge Back Cruve Top Edge	0 0 0 Distance (mm) 0 0 0 0 0 0 0 0 0 Distance (mm)	46 46 46 Channel 60 60 64 60 60 60 60 Channel	5230 5230 Freq. (MHz) 5300 5300 5300 5300 5300 5300 5300 530	17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 Power + Max. Tolerance (dBm)	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 Measured Avg. Power (dBm)	1.023 1.023 1.023 1.023 2.023 2.023 2.025	114.24% 114.24% Power scaling 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR Measured	0.051 0.101 Over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 Over 10g (W/kg) Reported	0
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11a 5.3G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Back Surface Top Edge Top Edge Top Edge Bottom Edge Bottom Edge Right Edge Back Cruve Top Edge Back Cruve Top Edge	0 0 0 Distance (mm) 0 0 0 0 0 0 0 0 0 0 Distance (mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	46 46 46 Channel 60 60 64 60 60 60 Channel 100	5230 5230 Freq. (MHz) 5300 5300 5300 5300 5300 5300 5300 530	17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36	1.023 1.023 1.023 1.023 1.023 1.023 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015	114.24% 114.24% Power scaling 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR Measured 0.224 0.171	0.051 0.101 Over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 Over 10g (W/kg) Reported 0.244 0.186	0
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11a 5.3G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Top Edge Right Edge Right Edge Back Cruve Top Edge Back Cruve Top Edge Back Cruve Top Edge	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	46 46 46 Channel 60 60 62 60 60 60 60 Channel 100 100	5230 5230 Freq. (MHz) 5300 5300 5300 5300 5320 5300 5300 5300	17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36	1.023 1.023 1.023 1.023 1.023 1.023 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015	114.24% 114.24% Power scaling 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR Measured 0.224 0.024 0.171 1.420	0.051 0.101 over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 over 10g (W/kg) Reported 0.244 0.186 1.544	0
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.6G WLAN 802.11a 5.6G WLAN 802.11a 5.6G WLAN 802.11a 5.6G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Top Edge Bottom Edge Left Edge Right Edge Back Cruve Top Edge Position Front Surface Back Surface Top Edge Top Edge	0 0 0 Distance (mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	46 46 46 Channel 60 60 52 60 64 60 60 60 Channel 100 100 140	5230 5230 5230 Freq. (MHz) 5300 5300 5300 5320 5320 5300 5300 5300	17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBn) 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.36 18.36 18.36 18.36 18.37 18.36 18.36 18.36 18.36	1.023 1.023 1.023 1.023 1.023 1.023 1.015	114.24% 114.24% Power scaling 115.85% 115.85% 116.65% 115.85% 115.85% 115.85% 115.85% 115.85% 117.85% 117.85% 118.85% 118.85% 119.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR Measured 0.224 0.171 1.420 1.490	0.051 0.101 Over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 Over 10g (W/kg) Reported 0.244 0.186 1.544 1.551	0
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.6G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Bottom Edge Left Edge Right Edge Back Cruve Top Edge Position	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	46 46 46 Channel 60 60 62 60 60 60 60 Channel 100 100	5230 5230 Freq. (MHz) 5300 5300 5300 5300 5320 5300 5300 5300	17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.38 18.38 18.38 18.38 18.38 18.38 18.38 18.38 18.38 18.38 18.38 18.38 18.38 18.38	1.023 1.023 1.023 1.023 1.023 1.023 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015 1.015	114.24% 114.24% Power scaling 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR Measured 0.224 0.024 0.171 1.420	0.051 0.101 over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 over 10g (W/kg) Reported 0.244 0.186 1.544	000
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.6G WLAN 802.11a 5.6G WLAN 802.11a 5.6G WLAN 802.11a 5.6G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Top Edge Bottom Edge Left Edge Right Edge Back Cruve Top Edge Position Front Surface Back Surface Top Edge Top Edge	0 0 0 Distance (mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	46 46 46 Channel 60 60 52 60 64 60 60 60 Channel 100 100 140	5230 5230 5230 Freq. (MHz) 5300 5300 5300 5320 5320 5300 5300 5300	17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBn) 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.36 18.36 18.36 18.36 18.37 18.36 18.36 18.36 18.36	1.023 1.023 1.023 1.023 1.023 1.023 1.015	114.24% 114.24% Power scaling 115.85% 115.85% 116.65% 115.85% 115.85% 115.85% 115.85% 115.85% 117.85% 117.85% 118.85% 118.85% 119.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR Measured 0.224 0.171 1.420 1.490	0.051 0.101 Over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 Over 10g (W/kg) Reported 0.244 0.186 1.544 1.551	
WLAN 802.11n (40M) 5.2G WLAN 802.11n (40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.6G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Top Edge Right Edge Batk Cruve Top Edge Front Surface Back Cruve Top Edge Top Edge Batk Cruve Top Edge Desition Front Surface Back Surface Top Edge Top Edge Top Edge Top Edge Batk Surface Top Edge Top Edge Bottom Edge	0 0 0	46 46 46 Channel 60 60 60 60 60 60 Channel 100 100 140 144 100	5230 5230 Freq. (MHz) 5300 5300 5300 5300 5300 5300 5300 530	17.00 17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.36 18.36 18.36 18.36 18.37 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36	1.023 1.023 1.023 1.023 1.023 1.023 1.015	114.24% 114.24% Power scaling 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR Measured 0.224 0.171 1.420 1.490 1.510 0.001	0.051 0.101 Over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 Over 10g (W/kg) Reported 0.244 1.551 1.780 0.001	0.000
WLAN 802.11n (40M) 5.2G WLAN 802.11n (40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.6G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Top Edge Right Edge Right Edge Back Cruve Top Edge Font Surface Description Front Surface Top Edge Top Edge Left Edge Right Edge Back Cruve Top Edge Left Edge Left Edge Left Edge Left Edge Right E	0 0 0	46 46 46 Channel 60 60 60 60 60 60 Channel 100 100 140 140 100	5230 5230 5230 Freq. (MHz) 5300 5300 5300 5300 5300 5300 5300 530	17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.37 18.70 18.70 18.70 18.70 18.70 18.70	1.023 1.023 1.023 1.023 1.023 1.023 1.015	114.24% 114.24% Power scaling 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR. Measured 0.224 1.1420 1.490 1.510 0.001 0.668	0.051 0.101 Over 10g (W/kg) Reported 0.354 0.252 2.469 2.148 0.002 0.994 0.131 0.262 2.411 Over 10g (W/kg) Reported 0.244 0.186 1.544 1.551 1.780 0.001 0.727	
WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.6G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Top Edge Right Edge Batk Cruve Top Edge Front Surface Back Cruve Top Edge Top Edge Batk Cruve Top Edge Desition Front Surface Back Surface Top Edge Top Edge Top Edge Top Edge Batk Surface Top Edge Top Edge Bottom Edge	0 0 0	46 46 46 Channel 60 60 60 60 60 60 Channel 100 100 140 144 100	5230 5230 Freq. (MHz) 5300 5300 5300 5300 5300 5300 5300 530	17.00 17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.36 18.36 18.36 18.36 18.37 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36	1.023 1.023 1.023 1.023 1.023 1.023 1.015	114.24% 114.24% Power scaling 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR Measured 0.224 0.171 1.420 1.490 1.510 0.001	0.051 0.101 Over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 Over 10g (W/kg) Reported 0.244 1.551 1.780 0.001	000
WLAN 802.11n (40M) 5.2G WLAN 802.11n (40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.6G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Bottom Edge Left Edge Right Edge Back Cruve Top Edge Top Edge Left Edge Right Edge Back Cruve Top Edge Position Front Surface Back Surface Top Edge Top Edge Top Edge Top Edge Right Edge Bottom Edge Left Edge Right Edge Right Edge	0	46 46 46 Channel 60 60 60 60 60 60 60 Channel 100 100 140 144 100 100 100	5230 5230 5230 Freq. (MHz) 5300 5300 5300 5300 5300 5300 5300 530	17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70	1.023 1.023 1.023 1.023 1.023 1.023 1.023 1.015	114.24% 114.24% Power scaling 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 0.002 0.845 0.111 0.223 2.05 Averaged SAR: Measured 0.224 1.1420 1.490 1.510 0.001 0.668 0.078	0.051 0.101 Over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 Over 10g (W/kg) Reported 0.244 0.186 1.544 1.551 1.780 0.001 0.727 0.085	000
WLAN 802.11n (40M) 5.2G WLAN 802.11n (40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.6G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Top Edge Right Edge Right Edge Back Cruve Top Edge Font Surface Description Front Surface Top Edge Top Edge Left Edge Right Edge Back Cruve Top Edge Left Edge Left Edge Left Edge Left Edge Right E	0 0 0	46 46 46 Channel 60 60 60 60 60 60 Channel 100 100 140 140 100	5230 5230 Freq. (MHz) 5300 5300 5300 5300 5300 5300 5300 530	17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.37 18.70 18.70 18.70 18.70 18.70 18.70	1.023 1.023 1.023 1.023 1.023 1.023 1.015	114.24% 114.24% Power scaling 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR. Measured 0.224 1.1420 1.490 1.510 0.001 0.668	0.051 0.101 Over 10g (W/kg) Reported 0.354 0.252 2.469 2.148 0.002 0.994 0.131 0.262 2.411 Over 10g (W/kg) Reported 0.244 0.186 1.544 1.551 1.780 0.001 0.727	0
WLAN 802.11n (40M) 5.2G WLAN 802.11n (40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.6G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Bottom Edge Left Edge Right Edge Back Cruve Top Edge Top Edge Left Edge Right Edge Back Cruve Top Edge Position Front Surface Back Surface Top Edge Top Edge Top Edge Top Edge Right Edge Bottom Edge Left Edge Right Edge Right Edge	0	46 46 46 Channel 60 60 60 60 60 60 60 Channel 100 100 140 144 100 100 100	5230 5230 Freq. (MHz) 5300 5300 5300 5300 5300 5300 5300 530	17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70	1.023 1.023 1.023 1.023 1.023 1.023 1.023 1.015	114.24% 114.24% Power scaling 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR Measured 0.224 0.171 1.420 1.490 1.510 0.001 0.668 0.078 0.118 Averaged SAR	0.051 0.101 over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 over 10g (W/kg) Reported 0.244 1.551 1.780 0.001 0.727 0.085 0.128	0 0 0
WLAN 802.11n (40M) 5.2G WLAN 802.11n (40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.6G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Top Edge Right Edge Right Edge Back Cruve Top Edge Top Edge Right Edge Back Cruve Top Edge Left Edge Position Front Surface Top Edge Top Edge Top Edge Top Edge Top Edge Top Edge Right Edge Back Cruve Position	0	46 46 46 Channel 60 60 60 60 60 60 Channel 100 100 140 140 100 100 Channel	5230 5230 5230 Freq. (MHz) 5300 5300 5300 5300 5300 5300 5300 530	17.00 17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70	1.023 1.023 1.023 1.023 1.023 1.023 1.023 1.015	114.24% 114.24% Power scaling 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 117.85% 117.85% 117.85% 117.85% 117.85% 117.85% 117.85% 117.85% 117.85% 117.85% 117.85% 118.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR Measured 0.224 0.171 1.420 1.490 1.510 0.001 0.668 0.078 0.118 Averaged SAR Measured	0.051 0.101 0.101 Over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 Over 10g (W/kg) Reported 0.244 1.551 1.780 0.001 0.727 0.085 0.128 Over 10g (W/kg) Reported	
WLAN 802.11n (40M) 5.2G WLAN 802.11n (40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.6G WLAN 802.11a 5.6G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Bottom Edge Left Edge Right Edge Back Cruve Position Front Surface Top Edge Left Edge Right Edge Back Cruve Top Edge Left Edge Back Cruve Top Edge Top Edge Top Edge Top Edge Back Cruve Position Front Surface Back Cruve Front Surface Front Edge Right Edge Back Cruve	0	46 46 46 Channel 60 60 60 60 60 60 Channel 100 100 100 100 100 100 100 100 100 1144 1100 1100 1100 1100	5230 5230 Freq. (MHz) 5300 5300 5300 5300 5300 5300 5300 530	17.00 17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.36 18.36 18.36 18.37 18.37 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70	1.023 1.023 1.023 1.023 1.023 1.023 1.023 1.015	114.24% 114.24% Power scaling 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR Measured 0.224 0.171 1.420 1.510 0.001 0.668 0.078 0.118 Averaged SAR Measured	0.051 0.101 0.101 Over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 Over 10g (W/kg) Reported 0.244 0.186 1.544 1.551 1.780 0.001 0.727 0.085 0.128 Over 10g (W/kg) Reported	
WLAN 802.11n (40M) 5.2G WLAN 802.11n (40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.6G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Top Edge Right Edge Right Edge Back Cruve Top Edge Top Edge Right Edge Back Cruve Top Edge Left Edge Position Front Surface Top Edge Top Edge Top Edge Top Edge Top Edge Top Edge Right Edge Back Cruve Position	0	46 46 46 Channel 60 60 60 60 60 60 Channel 100 100 140 140 100 100 Channel	5230 5230 5230 Freq. (MHz) 5300 5300 5300 5300 5300 5300 5300 530	17.00 17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00	16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70	1.023 1.023 1.023 1.023 1.023 1.023 1.023 1.015	114.24% 114.24% Power scaling 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 117.85% 117.85% 117.85% 117.85% 117.85% 117.85% 117.85% 117.85% 117.85% 117.85% 117.85% 118.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR Measured 0.224 0.171 1.420 1.490 1.510 0.001 0.668 0.078 0.118 Averaged SAR Measured	0.051 0.101 0.101 Over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 Over 10g (W/kg) Reported 0.244 1.551 1.780 0.001 0.727 0.085 0.128 Over 10g (W/kg) Reported	0
WLAN 802.11n (40M) 5.2G WLAN 802.11n (40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.6G WLAN 802.11a 5.6G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Top Edge Right Edge Back Cruve Position Front Surface Back Surface Top Edge Right Edge Back Cruve Top Edge Top Edge Position Front Surface Back Surface Top Edge Top Edge Right Edge Bottom Edge Left Edge Right Edge Bottom Edge Left Edge Right Edge Back Cruve Position	0	46 46 46 Channel 60 60 60 60 60 60 Channel 100 100 100 100 100 100 100 100 100 10	5230 5230 Freq. (MHz) 5300 5300 5300 5300 5320 5300 5300 5300	17.00 17.00 17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00	16.42 16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70	1.023 1.023 1.023 1.023 1.023 1.023 1.023 1.015	114.24% 114.24% Power scaling 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR Measured 0.224 0.171 1.420 1.490 1.510 0.001 0.668 0.078 0.118 Averaged SAR Measured 0.224 0.171 1.420 1.490 0.118	0.051 0.101 0.101 Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 Over 10g (W/kg) Reported 0.244 1.551 1.780 0.001 0.727 0.085 0.128 Over 10g (W/kg) Reported 0.2247 0.151	0
WLAN 802.11a 5.3G WLAN 802.11a 5.6G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Top Edge Right Edge Right Edge Back Cruve Top Edge Back Cruve Top Edge Back Cruve Top Edge Left Edge Right Edge Back Cruve Top Edge Left Edge Front Surface Back Surface Top Edge Top Edge Top Edge Right Edge Back Cruve Position Front Surface Back Surface Top Edge Right Edge Right Edge Right Edge Back Cruve Position Front Surface Back Surface Top Edge	0	46 46 46 Channel 60 60 62 60 60 60 60 Channel 100 100 100 100 100 100 100 100 100 10	5230 5230 5230 Freq. (MHz) 5300 5300 5300 5300 5320 5300 5300 5300	17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00	16.42 16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.36 18.36 18.36 18.36 18.37 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70	1.023 1.023 1.023 1.023 1.023 1.023 1.023 1.015	114.24% 114.24% Power scaling 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 115.85% 103.73% 115.85% 115.85% 107.15% 107.15% 107.15% 107.15% 107.15% 107.15% 107.15% 107.15% 107.15% 107.15% 107.15% 107.15% 107.15% 107.15%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR Measured 0.224 0.171 1.420 1.490 1.510 0.001 0.668 0.078 0.118 Averaged SAR Measured 0.201 0.118	0.051 0.101 0.101 0ver 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 0ver 10g (W/kg) Reported 0.244 1.551 1.780 0.001 0.727 0.085 0.128 0ver 10g (W/kg) Reported 0.227 0.151 1.749	0
WLAN 802.11n (40M) 5.2G WLAN 802.11n (40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.6G WLAN 802.11a 5.6G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Top Edge Right Edge Back Cruve Position Front Surface Back Surface Top Edge Right Edge Back Cruve Top Edge Top Edge Position Front Surface Back Surface Top Edge Top Edge Right Edge Bottom Edge Left Edge Right Edge Bottom Edge Left Edge Right Edge Back Cruve Position	0	46 46 46 Channel 60 60 60 60 60 60 Channel 100 100 100 100 100 100 100 100 100 10	5230 5230 Freq. (MHz) 5300 5300 5300 5300 5320 5300 5300 5300	17.00 17.00 17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00	16.42 16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70	1.023 1.023 1.023 1.023 1.023 1.023 1.023 1.015	114.24% 114.24% Power scaling 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR Measured 0.224 0.171 1.420 1.490 1.510 0.001 0.668 0.078 0.118 Averaged SAR Measured 0.224 0.171 1.420 1.490 0.118	0.051 0.101 0.101 Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 Over 10g (W/kg) Reported 0.244 1.551 1.780 0.001 0.727 0.085 0.128 Over 10g (W/kg) Reported 0.2247 0.151	0
WLAN 802.11n (40M) 5.2G WLAN 802.11n (40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.6G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Bottom Edge Left Edge Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Left Edge Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Bottom Edge Left Edge Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Right Edge Back Cruve	0	46 46 46 Channel 60 60 60 60 60 60 Channel 100 100 140 144 100 100 100 Channel 149 149 149	5230 5230 Freq. (MHz) 5300 5300 5300 5300 5300 5300 5300 530	17.00 17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00	16.42 16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 Measured Avg. Power (dBm) 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70	1.023 1.023 1.023 1.023 1.023 1.023 1.023 1.023 1.015	114.24% 114.24% Power scaling 115.85% 115.85% 116.65% 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR: Measured 0.224 0.171 1.420 1.510 0.001 0.668 0.078 0.118 Averaged SAR Measured 0.201 0.134 1.550 1.450	0.051 0.101 Over 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 Over 10g (W/kg) Reported 0.244 0.186 1.544 1.551 1.780 0.001 0.727 0.085 0.128 Over 10g (W/kg) Reported 0.227 0.151 1.749 1.713	0
WLAN 802.11n (40M) 5.2G WLAN 802.11n (40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.6G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Left Edge Right Edge Back Cruve Position Front Surface Top Edge Back Cruve Top Edge Back Cruve Top Edge Top Edge Back Cruve Position Front Surface Back Surface Top Edge Left Edge Bottom Edge Left Edge Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Bottom Edge Left Edge Right Edge Back Cruve Position Front Surface Back Surface Top Edge	O	46 46 46 Channel 60 60 60 60 60 60 Channel 100 100 140 100 100 100 Channel 149 149 149 165	5230 5230 Freq. (MHz) 5300 5300 5300 5300 5300 5300 5300 530	17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 19.00	16.42 16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70	1.023 1.023 1.023 1.023 1.023 1.023 1.023 1.015	114.24% 114.24% Power scaling 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR Measured 0.224 0.171 1.420 1.490 1.510 0.001 0.668 0.0118 Averaged SAR: Measured 0.118 Averaged SAR: Measured 0.118	0.051 0.101 0.101 0ver 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 0ver 10g (W/kg) Reported 0.244 1.551 1.780 0.001 0.727 0.085 0.128 0ver 10g (W/kg) Reported 0.244 1.551 1.780 0.001 0.727 0.085 0.128	
WLAN 802.11a 5.3G WLAN 802.11a 5.6G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Bottom Edge Left Edge Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Left Edge Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Bottom Edge Left Edge Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Right Edge Back Cruve	O	46 46 46 46 Channel 60 60 60 60 60 60 Channel 100 100 100 100 100 100 100 100 100 144 100 100	5230 5230 5230 Freq. (MHz) 5300 5300 5300 5300 5300 5300 5300 530	17.00 17.00 17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00	16.42 16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.36 18.37 18.70	1.023 1.023 1.023 1.023 1.023 1.023 1.023 1.023 1.015	114.24% 114.24% 114.24% Power scaling 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR Measured 0.224 0.171 1.420 1.490 1.510 0.001 0.668 0.078 0.118 Averaged SAR Measured 0.201 0.118 1.550 1.450 1.380 0.003	0.051 0.101 0.001 0.101 0.002 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 0.002 0.914 0.136 0.136 0.137 0.262 0.138 0.131 0.262 0.131 0.262 0.131 0.262 0.131 0.262 0.131 0.262 0.131 0.262 0.131 0.262 0.131 0.262 0.131 0.262 0.131 0.262 0.131 0.262 0.151 1.780 0.001 0.727 0.085 0.128 0.001 0.727 0.085 0.128 0.001 0.727 0.085 0.128 0.151 1.749 1.713 1.641 0.003	. It is a second of the second
WLAN 802.11n (40M) 5.2G WLAN 802.11n (40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.6G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Left Edge Right Edge Back Cruve Position Front Surface Top Edge Back Cruve Top Edge Back Cruve Top Edge Top Edge Back Cruve Position Front Surface Back Surface Top Edge Left Edge Bottom Edge Left Edge Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Bottom Edge Left Edge Right Edge Back Cruve Position Front Surface Back Surface Top Edge	O	46 46 46 Channel 60 60 60 60 60 60 Channel 100 100 140 100 100 100 Channel 149 149 149 165	5230 5230 Freq. (MHz) 5300 5300 5300 5300 5300 5300 5300 530	17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 19.00	16.42 16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70	1.023 1.023 1.023 1.023 1.023 1.023 1.023 1.015	114.24% 114.24% Power scaling 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR Measured 0.224 0.171 1.420 1.490 1.510 0.001 0.668 0.0118 Averaged SAR: Measured 0.118 Averaged SAR: Measured 0.118	0.051 0.101 0.101 0ver 10g (W/kg) Reported 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 0ver 10g (W/kg) Reported 0.244 1.551 1.780 0.001 0.727 0.085 0.128 0ver 10g (W/kg) Reported 0.244 1.551 1.780 0.001 0.727 0.085 0.128	
WLAN 802.11a 5.3G WLAN 802.11a 5.6G	Ant 1	Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Right Edge Right Edge Back Cruve Position Front Surface Back Surface Top Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Top Edge Top Edge Top Edge Top Edge Right Edge Back Cruve Position Front Surface Back Surface Top Edge Top Edge Top Edge Back Cruve Position	O	46 46 46 46 Channel 60 60 60 60 60 60 Channel 100 100 100 100 100 100 100 100 100 144 100 100	5230 5230 5230 Freq. (MHz) 5300 5300 5300 5300 5300 5300 5300 530	17.00 17.00 17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 19.00	16.42 16.42 16.42 Measured Avg. Power (dBm) 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.36 18.37 18.36 18.37 18.70	1.023 1.023 1.023 1.023 1.023 1.023 1.023 1.023 1.015	114.24% 114.24% 114.24% Power scaling 115.85%	0.044 0.086 Averaged SAR Measured 0.301 0.214 2.020 2.100 2.040 0.002 0.845 0.111 0.223 2.05 Averaged SAR Measured 0.224 0.171 1.420 1.490 1.510 0.001 0.668 0.078 0.118 Averaged SAR Measured 0.201 0.118 1.550 1.450 1.380 0.003	0.051 0.101 0.001 0.101 0.002 0.354 0.252 2.392 2.469 2.148 0.002 0.994 0.131 0.262 2.411 0.002 0.914 0.136 0.136 0.137 0.262 0.138	-

st - repeated at the highest SAR measurement according to the KDB 865664 D01

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

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

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 t (886-2) 2299-3279

www.sqs.com.tw



Page: 48 of 75

Note:

Reported SAR = measured SAR * Power scaling * Duty cycle scaling

7.3 Reporting statements of conformity

The conformity statement in this report is based solely on the test results, measurement uncertainty is excluded.

7.4 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.



Page: 49 of 75

SIMULTANEOUS TRANSMISSION ANALYSIS

8.1 Simultaneous Transmission Scenarios:

Simultaneous Transmission configurations	Limb
WWAN+WLAN 2.4GHz+NFC	Yes
WWAN+WLAN 5GHz+NFC	Yes
WWAN+BT+NFC	Yes

8.2 **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:

Estimated SAR =
$$\frac{\text{Max. tune up power (mW)}}{\text{Min. test separation distance(mm)}} \times \frac{\sqrt{\text{f(GHz)}}}{7.5}$$

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.

8.3 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 (SAR1 + SAR2)^1.5/Ri, 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 Ri 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.

台灣檢驗科技股份有限公司



Page: 50 of 75

Simultaneous Transmission Combination

Limb

					FCC Reported SAR	1		Scenario 1	Scenario 2	Scenario 3
			1	2	4	6	7	1+2+7	1+4+7	1+6+7
	Exposure Pos	ition	WWAN	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	NFC	Summed	Summed	Summed
			10g SAR	10g SAR	10g SAR	10g SAR	10g SAR	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
			(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)			
	Front Surface	0	0.174	0.021	0.354	0.006	0.000000165	0.195	0.528	0.180
	Back Surface	0	0.283	0.107	0.252	0.018	0.000000165	0.390	0.535	0.301
LTE	Top Edge	0	0.315	0.121	2.469	0.016	0.000000165	0.436	2.784	0.331
Band 2	Bottom Edge	0	0.028	0.001	0.951	0.001	0.000000165	0.029	0.979	0.029
	Left Edge	0	0.084	0.308	0.994	0.058	0.000000165	0.392	1.078	0.142
	Right Edge	0	3.147	0.013	0.131	0.003	0.000000165	3.160	3.278	3.150
	Front Surface	0	0.138	0.021	0.354	0.006	0.00000165	0.159	0.492	0.144
	Back Surface	0	0.227	0.107	0.252	0.018	0.00000165	0.334	0.479	0.245
LTE	Top Edge	0	0.250	0.121	2.469	0.016	0.000000165	0.371	2.719	0.266
Band 4	Bottom Edge	0	0.020	0.001	0.951	0.001	0.000000165	0.021	0.971	0.021
	Left Edge	0	0.006	0.308	0.994	0.058	0.00000165	0.314	1.000	0.064
	Right Edge	0	3.201	0.013	0.131	0.003	0.00000165	3.214	3.332	3.204
	Front Surface	0	0.183	0.021	0.354	0.006	0.00000165	0.204	0.537	0.189
	Back Surface	0	0.211	0.107	0.252	0.018	0.00000165	0.318	0.463	0.229
LTE	Top Edge	0	0.413	0.121	2.469	0.016	0.000000165	0.534	2.882	0.429
Band 5	Bottom Edge	0	0.042	0.001	0.951	0.001	0.000000165	0.043	0.993	0.043
	Left Edge	0	0.117	0.308	0.994	0.058	0.000000165	0.425	1.111	0.175
	Right Edge	0	0.933	0.013	0.131	0.003	0.000000165	0.946	1.064	0.936
	Front Surface	0	0.309	0.021	0.354	0.006	0.000000165	0.330	0.663	0.315
	Back Surface	0	0.346	0.107	0.252	0.018	0.00000165	0.453	0.598	0.364
LTE	Top Edge	0	0.724	0.121	2.469	0.016	0.000000165	0.845	3.193	0.740
Band 12	Bottom Edge	0	0.018	0.001	0.951	0.001	0.00000165	0.019	0.969	0.019
	Left Edge	0	0.301	0.308	0.994	0.058	0.000000165	0.609	1.295	0.359
	Right Edge	0	0.762	0.013	0.131	0.003	0.00000165	0.775	0.893	0.765
	Front Surface	0	0.253	0.021	0.354	0.006	0.000000165	0.274	0.607	0.259
	Back Surface	0	0.279	0.107	0.252	0.018	0.00000165	0.386	0.531	0.297
LTE	Top Edge	0	0.543	0.121	2.469	0.016	0.000000165	0.664	3.012	0.559
Band 13	Bottom Edge	0	0.191	0.001	0.951	0.001	0.000000165	0.192	1.142	0.192
	Left Edge	0	0.228	0.308	0.994	0.058	0.000000165	0.536	1.222	0.286
	Right Edge	0	0.874	0.013	0.131	0.003	0.00000165	0.887	1.005	0.877
	Front Surface	0	0.157	0.021	0.354	0.006	0.000000165	0.178	0.511	0.163
	Back Surface	0	0.253	0.107	0.252	0.018	0.000000165	0.360	0.505	0.271
LTE	Top Edge	0	0.292	0.121	2.469	0.016	0.00000165	0.413	2.761	0.308
Band 66	Bottom Edge	0	0.027	0.001	0.951	0.001	0.000000165	0.028	0.978	0.028
	Left Edge	0	0.013	0.308	0.994	0.058	0.00000165	0.321	1.007	0.071
	Right Edge	0	3.269	0.013	0.131	0.003	0.000000165	3.282	3.400	3.272

Back curve

					FCC Reported SAR			Scenario 1	Scenario 2	Scenario 3
			1	2	4	6	7	1+2+7	1+4+7	1+6+7
	Exposure Posi	ition	WWAN	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	NFC	Summed	Summed	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
LTE Band 2	Back Cruve	0	0.190	0.026	0.262	0.007	0.000000165	0.216	0.452	0.197
LTE Band 4	Back Cruve	0	0.280	0.026	0.262	0.007	0.000000165	0.306	0.542	0.287
LTE Band 5	Back Cruve	0	0.085	0.026	0.262	0.007	0.000000165	0.111	0.347	0.092
LTE Band 12	Back Cruve	0	0.070	0.026	0.262	0.007	0.000000165	0.096	0.332	0.077
LTE Band 13	Back Cruve	0	0.089	0.026	0.262	0.007	0.000000165	0.115	0.351	0.096
LTE Band 66	Back Cruve	0	0.266	0.026	0.262	0.007	0.000000165	0.292	0.528	0.273

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



Page: 51 of 75

9 INSTRUMENTS LIST

	Equipment List						
Manufacturer	Device	Туре	Serial number	Date of last calibration	Date of next calibration		
SPEAG	Data acquisition Electronics	DAE4	856	Apr/22/2024	Apr/21/2025		
SPEAG	Dosimetric E-Field Probe	EX3DV4	7509	Apr/23/2024	Apr/22/2025		
SPEAG	System Validation Dipole	D750V3	1015	Sep/18/2023	Sep/17/2024		
SPEAG	System Validation Dipole	D835V2	4d063	Sep/20/2023	Sep/19/2024		
SPEAG	System Validation Dipole	D1750V2	1008	Sep/19/2023	Sep/18/2024		
SPEAG	System Validation Dipole	D1900V2	5d056	Aug/25/2023	Aug/24/2024		
SPEAG	System Validation Dipole	D2450V2	727	Apr/22/2024	Apr/21/2025		
SPEAG	System Validation Dipole	D5GHzV2	1023	Jan/24/2024	Jan/23/2025		
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Feb/21/2024	Feb/20/2025		
Agilent	MXG Analog Signal Generator	N5181A	MY50141235	Jun/19/2023	Jun/18/2024		
R&S	MXG Analog Signal Generator	SMB100A03	182012	May/23/2023	May/22/2024		
Agilent	Dual-directional coupler	772D	MY46151258	Sep/26/2023	Sep/25/2024		
Agilent	Dual-directional coupler	778D	MY46151242	Sep/26/2023	Sep/25/2024		
EMCI	Amplifier	ZHL-42	980189	Calibration not required	Calibration not required		
EMCI	Amplifier	ZVE-8G	980190	Calibration not required	Calibration not required		
R&S	Power Sensor	NRP18S	109065	Oct/23/2023	Oct/22/2024		
R&S	Power Meter	NRX	102034	Dec/13/2023	Dec/12/2024		
R&S	Power Sensor	NRP18S	101974	Nov/21/2023	Nov/20/2024		
SPEAG	Software	DASY 8 V16.0.2.83	N/A	Calibration not required	Calibration not required		
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration not required		
Anritsu	Radio Communication Test	MT8820C	6201061014	Sep/23/2023	Sep/22/2024		
R&S	Spectrum Analyzer	FSV3044	101487	Apr/09/2024	Apr/08/2025		
LKM	Digital thermometer	DTM3000	3896	Dec/26/2023	Dec/25/2024		
TECPEL	Digital thermometer	DTM-303A	TP130077	Sep/25/2023	Sep/24/2024		

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. 除非只有的时,他都是结果做新测验之降具有害,同时他接见循程网的手。未想生主概未从司事而连可,无可知必遏制。

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

SS 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 技份有限公司 t (886-2) 2299-3279 f (886-2) 2298-0488 www.sgs.com.tw



Page: 52 of 75

10 UNCERTAINTY BUDGET

Measurement Uncertainty evaluation template for DUT SAR test (3-6G)

A	С	D	е		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%	∞
Isotropy , Axial	3.50%	R	√3	1.732	1	1	2.02%	2.02%	∞
Isotropy, Hemispherical	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%	00
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%	8
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	8
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%	8
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	8
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	8
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.)	0.87%	N	1	1	0.64	0.43	0.56%	0.37%	М
Liquid Conductivity (mea.)	0.32%	N	1	1	0.6	0.49	0.19%	0.16%	М
Combined standard uncertainty		RSS					11.73%	11.71%	
Expant uncertainty (95% confidence interval), K=2							23.46%	23.43%	

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

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

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

www.sqs.com.tw



Page: 53 of 75

Measurement Uncertainty evaluation template for DUT SAR test (0.3-3G)

A	С	D	е		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	6.00%	N	1	1	1	1	6.00%	6.00%	∞
Isotropy , Axial	3.50%	R	√3	1.732	1	1	2.02%	2.02%	∞
Isotropy, Hemispherical	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%	8
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	8
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	8
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	8
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	8
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	8
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	8
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	8
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	8
Probe Positioning with respect to phantom shell	2.90%	R	√3	1.732	1	1	1.67%	1.67%	8
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	8
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	8
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.)	0.72%	N	1	1	0.64	0.43	0.46%	0.31%	М
Liquid Conductivity (mea.)	1.37%	N	1	1	0.6	0.49	0.82%	0.67%	М
Combined standard uncertainty		RSS					11.46%	11.43%	
Expant uncertainty (95% confidence interval), K=2			-				22.91%	22.86%	_

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

iGS 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



Page: 54 of 75

11 SAR MEASUREMENT RESULTS

ID: 001

Report No.: TESA2404000217E5

Measurement Report_LTE Band 2 (20MHz)_Limb_Right Edge_CH 18700_QPSK_1-0_0mm

Ambient temperature: 22.1°C; Liquid temperature: 21.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	-	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	1860.0, 18700	8.1	1.412	39.717

Hardware Setup

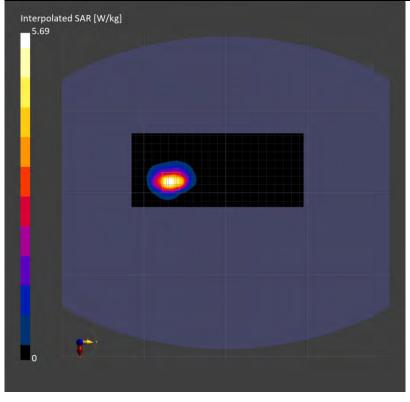
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0	EX3DV4 - SN7509, 2024-04-23	DAE4 Sn856, 2024-04-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-13	2024-05-13
psSAR1g [W/kg]	4.47	4.90
psSAR8g [W/kg]	2.46	2.80
psSAR10g [W/kg]	2.24	2.57
Power Drift [dB]	0.03	-0.02
M2/M1 [%]		62.6
Dist 3dB Peak [mm]		9.6



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.



Page: 55 of 75

ID: 002

Report No.: TESA2404000217E5

Measurement Report_LTE Band 4 (20MHz)_Limb_Right Edge_CH 20175_QPSK_1-0_0mm

Ambient temperature: 22.1°C; Liquid temperature: 21.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	1732.5, 20175	8.37	1.37	39.823

Hardware Setup

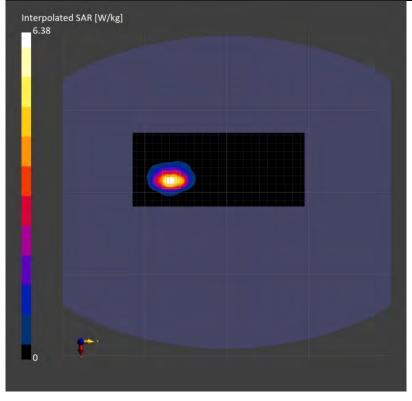
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0	EX3DV4 - SN7509, 2024-04-23	DAE4 Sn856, 2024-04-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-13	2024-05-13
psSAR1g [W/kg]	4.99	5.61
psSAR8g [W/kg]	2.73	3.11
psSAR10g [W/kg]	2.47	2.84
Power Drift [dB]	-0.01	-0.05
M2/M1 [%]		57.7
Dist 3dB Peak [mm]		9.4



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.

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

www.sqs.com.tw



Page: 56 of 75

ID: 003

Report No.: TESA2404000217E5

Measurement Report_LTE Band 5 (10MHz)_Limb_Right Edge_CH 20450_QPSK_1-0_0mm

Ambient temperature: 22.2°C; Liquid temperature: 21.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number		TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	829.0, 20450	9.28	0.902	41.293

Hardware Setup

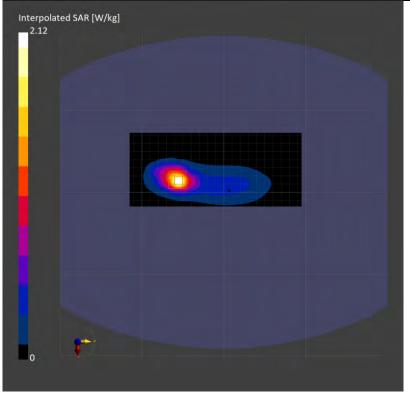
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0	EX3DV4 - SN7509, 2024-04-23	DAE4 Sn856, 2024-04-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-12	2024-05-12
psSAR1g [W/kg]	1.68	1.73
psSAR8g [W/kg]	1.01	0.969
psSAR10g [W/kg]	0.935	0.893
Power Drift [dB]	0.03	-0.02
M2/M1 [%]		51.1
Dist 3dB Peak [mm]		9.1



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

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



Page: 57 of 75

ID: 004

Report No.: TESA2404000217E5

Measurement Report_LTE Band 12 (10MHz)_Limb_Right Edge_CH 23130_QPSK_1-0_0mm

Ambient temperature: 22.2°C; Liquid temperature: 21.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	711.0, 23130	9.93	0.885	41.861

Hardware Setup

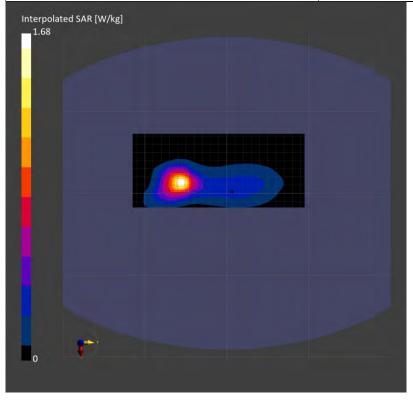
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0	EX3DV4 - SN7509, 2024-04-23	DAE4 Sn856, 2024-04-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-12	2024-05-12
psSAR1g [W/kg]	1.33	1.30
psSAR8g [W/kg]	0.820	0.744
psSAR10g [W/kg]	0.760	0.689
Power Drift [dB]	0.01	-0.03
M2/M1 [%]		59.2
Dist 3dB Peak [mm]		10.3



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

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



Page: 58 of 75

ID: 005

Report No.: TESA2404000217E5

Measurement Report_LTE Band 13 (10MHz)_Limb_Right Edge_CH 23230_QPSK_1-0_0mm

Ambient temperature: 22.2°C; Liquid temperature: 21.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number		TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	782.0, 23230	9.93	0.89	41.492

Hardware Setup

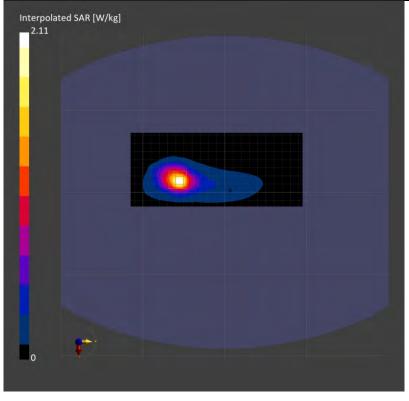
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0	EX3DV4 - SN7509, 2024-04-23	DAE4 Sn856, 2024-04-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-12	2024-05-12
psSAR1g [W/kg]	1.66	1.60
psSAR8g [W/kg]	1.01	0.893
psSAR10g [W/kg]	0.928	0.823
Power Drift [dB]	0.02	-0.05
M2/M1 [%]		50.0
Dist 3dB Peak [mm]		10.2



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

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

f (886-2) 2298-0488

t (886-2) 2299-3279



Page: 59 of 75

ID: 006

Report No.: TESA2404000217E5

Measurement Report_LTE Band 66 (20MHz)_Limb_Right Edge_CH 132322_QPSK_1-0_0mm

Ambient temperature: 22.1°C; Liquid temperature: 21.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number		TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	1745.0, 132322	8.37	1.377	39.804

Hardware Setup

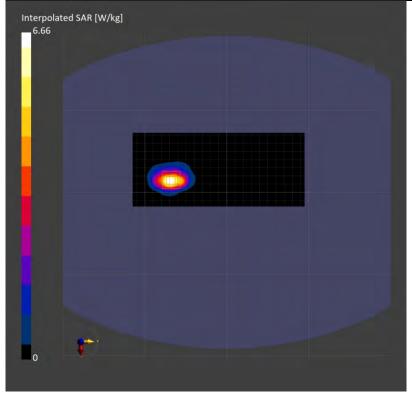
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0	EX3DV4 - SN7509, 2024-04-23	DAE4 Sn856, 2024-04-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-13	2024-05-13
psSAR1g [W/kg]	5.18	5.46
psSAR8g [W/kg]	2.81	3.04
psSAR10g [W/kg]	2.54	2.77
Power Drift [dB]	0.04	-0.03
M2/M1 [%]		58.0
Dist 3dB Peak [mm]		9.6



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.

台灣檢驗科技股份有限公司



Page: 60 of 75

ID: 007

Report No.: TESA2404000217E5

Measurement Report_WLAN 802.11b_Limb_Left Edge_CH 11_0mm_Ant 1

Ambient temperature: 22.3°C; Liquid temperature: 21.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number		TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Left Edge, 0.00	2462.0, 11	7.56	1.835	38.902

Hardware Setup

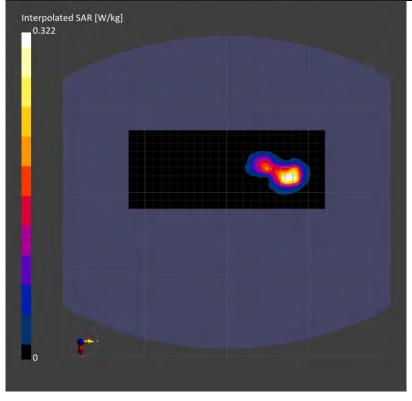
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0	EX3DV4 - SN7509, 2024-04-23	DAE4 Sn856, 2024-04-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 240.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-14	2024-05-14
psSAR1g [W/kg]	0.253	0.279
psSAR8g [W/kg]	0.132	0.135
psSAR10g [W/kg]	0.120	0.122
Power Drift [dB]	0.01	0.03
M2/M1 [%]		54.3
Dist 3dB Peak [mm]		8.5



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.



Page: 61 of 75

ID: 008

Report No.: TESA2404000217E5

Measurement Report_WLAN 802.11n(40M) 2.4G_Limb_Left Edge_CH 6_0mm_Ant 1

Ambient temperature: 22.3°C; Liquid temperature: 21.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number		TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Left Edge, 0.00	2437.0, 6	7.56	1.813	38.94

Hardware Setup

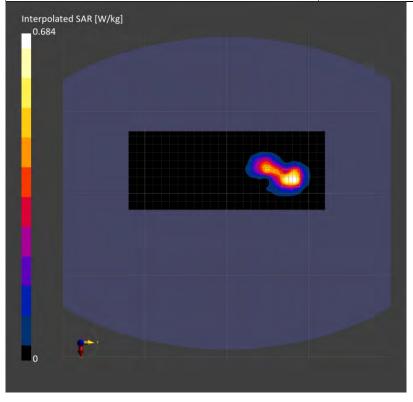
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0	EX3DV4 - SN7509, 2024-04-23	DAE4 Sn856, 2024-04-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 240.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-14	2024-05-14
psSAR1g [W/kg]	0.527	0.574
psSAR8g [W/kg]	0.270	0.279
psSAR10g [W/kg]	0.244	0.252
Power Drift [dB]	-0.01	-0.03
M2/M1 [%]		57.1
Dist 3dB Peak [mm]		8.5



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. 除非只有的时,此想生红用魔影测验之缘具色素,同时此模具属是2000年。木梨生主概木公司事面纯可,不可如以推测。

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

台灣檢驗科技股份有限公司



Page: 62 of 75

ID: 009

Report No.: TESA2404000217E5

Measurement Report_Bluetooth(GFSK)_Limb_Left Edge_CH 78_0mm_Ant 1

Ambient temperature: 22.3°C; Liquid temperature: 21.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number		TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Left Edge, 0.00	2480.0, 78	7.56	1.851	38.879

Hardware Setup

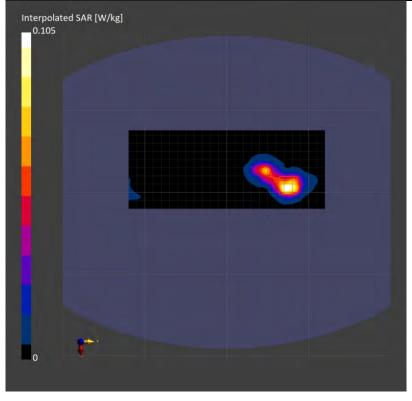
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0	EX3DV4 - SN7509, 2024-04-23	DAE4 Sn856, 2024-04-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 240.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-14	2024-05-14
psSAR1g [W/kg]	0.080	0.088
psSAR8g [W/kg]	0.041	0.043
psSAR10g [W/kg]	0.037	0.039
Power Drift [dB]	-0.01	0.03
M2/M1 [%]		54.6
Dist 3dB Peak [mm]		8.1



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

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



Page: 63 of 75

ID: 010

Report No.: TESA2404000217E5

Measurement Report_WLAN 802.11n(40M) 5.2G_Limb_Top Edge_CH 46_0mm_Ant 1

Ambient temperature: 22.6°C; Liquid temperature: 21.7°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	_	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5230.0, 46	5.56	4.675	35.668

Hardware Setup

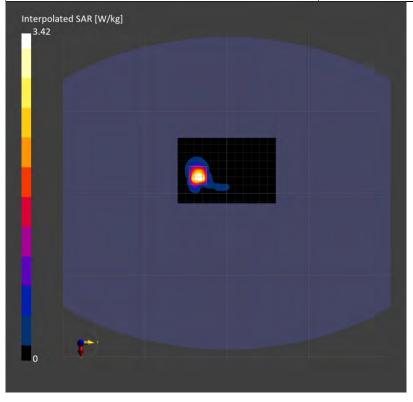
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0	EX3DV4 - SN7509, 2024-04-23	DAE4 Sn856, 2024-04-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 120.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-15	2024-05-15
psSAR1g [W/kg]	2.47	3.15
psSAR8g [W/kg]	0.896	1.01
psSAR10g [W/kg]	0.773	0.865
Power Drift [dB]	0.02	0.02
M2/M1 [%]		57.5
Dist 3dB Peak [mm]		6.4



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. 险非只有的明,此想些结果做新测验之缘具负责,同时此模具做是例如于。木型生主领水公司事面纯可,不可可以推测。

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

S 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

www.sqs.com.tw



Page: 64 of 75

ID: 011

Report No.: TESA2404000217E5

Measurement Report_WLAN 802.11a 5.3G_Limb_Top Edge_CH 60_0mm_Ant 1

Ambient temperature: 22.6°C; Liquid temperature: 21.7°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5300.0, 60	5.56	4.747	35.588

Hardware Setup

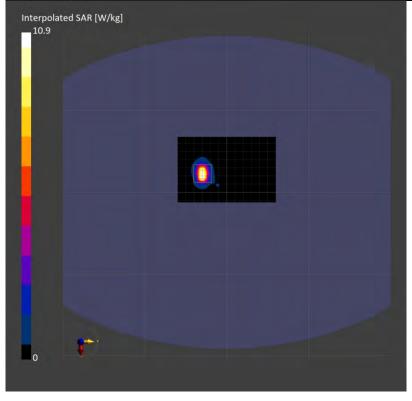
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0	EX3DV4 - SN7509, 2024-04-23	DAE4 Sn856, 2024-04-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 120.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-15	2024-05-15
psSAR1g [W/kg]	7.07	8.17
psSAR8g [W/kg]	2.28	2.48
psSAR10g [W/kg]	1.95	2.10
Power Drift [dB]	0.02	-0.02
M2/M1 [%]		58.7
Dist 3dB Peak [mm]		6.1



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非只有铅明,此報华结甲攝影測建立幾只有著,同時世幾只攝展例の主。大報华主標太公司書面對可,不可可以複劃。

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

SGS Taiwan Ltd.



Page: 65 of 75

ID: 012

Report No.: TESA2404000217E5

Measurement Report_WLAN 802.11a 5.6G_Limb_Top Edge_CH 144_0mm_Ant 1

Ambient temperature: 22.6°C; Liquid temperature: 21.7°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number		TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5720.0, 144	5.08	5.177	35.108

Hardware Setup

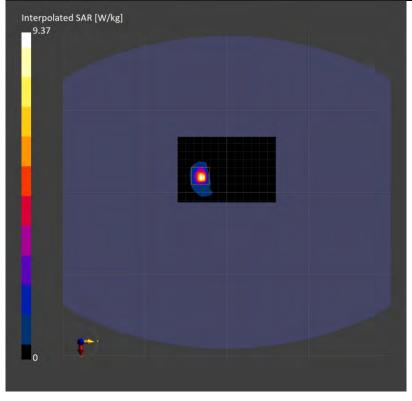
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0	EX3DV4 - SN7509, 2024-04-23	DAE4 Sn856, 2024-04-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 120.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-15	2024-05-15
psSAR1g [W/kg]	5.20	6.37
psSAR8g [W/kg]	1.53	1.80
psSAR10g [W/kg]	1.30	1.51
Power Drift [dB]	0.02	-0.05
M2/M1 [%]		58.6
Dist 3dB Peak [mm]		5.4



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. 险非只有的明,此想些结果做新测验之缘具负责,同时此模具做是例如于。木型生主领水公司事面纯可,不可可以推测。

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



Page: 66 of 75

ID: 013

Report No.: TESA2404000217E5

Measurement Report_WLAN 802.11a 5.8G_Limb_Top Edge_CH 149_0mm_Ant 1

Ambient temperature: 22.6°C; Liquid temperature: 21.7°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5745.0, 149	5.08	5.202	35.08

Hardware Setup

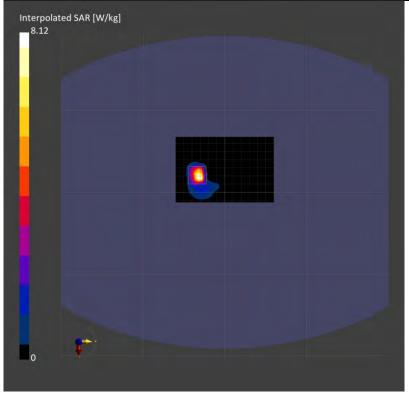
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0	EX3DV4 - SN7509, 2024-04-23	DAE4 Sn856, 2024-04-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 120.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-15	2024-05-15
psSAR1g [W/kg]	5.21	6.62
psSAR8g [W/kg]	1.72	1.85
psSAR10g [W/kg]	1.47	1.55
Power Drift [dB]	0.03	-0.02
M2/M1 [%]		55.2
Dist 3dB Peak [mm]		5.4



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.

台灣檢驗科技股份有限公司



Page: 67 of 75

12 SAR SYSTEM CHECK RESULTS

Report No.: TESA2404000217E5

Measurement Report Dipole_D750-SN:1015

Ambient temperature: 22.2°C; Liquid temperature: 21.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 15.00	9.93	0.887	41.659

Hardware Setup

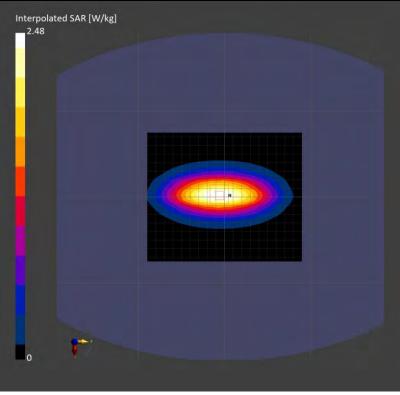
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0	EX3DV4 - SN7509, 2024-04-23	DAE4 Sn856, 2024-04-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-12	2024-05-12
psSAR1g [W/kg]	2.17	2.21
psSAR8g [W/kg]	1.54	1.51
psSAR10g [W/kg]	1.46	1.43
Power Drift [dB]	-0.01	-0.01
M2/M1 [%]		65.4
Dist 3dB Peak [mm]		18.4



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.



Page: 68 of 75

Report No.: TESA2404000217E5

Measurement Report Dipole_D835-SN:4d063

Ambient temperature: 22.2°C; Liquid temperature: 21.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 15.00	9.28	0.904	41.272

Hardware Setup

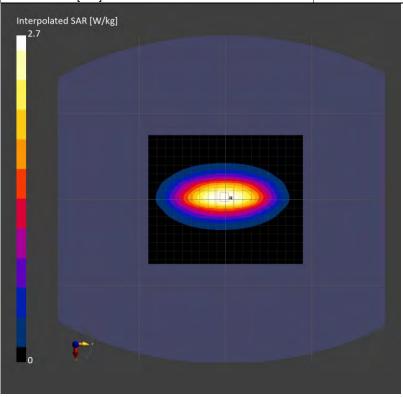
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0	EX3DV4 - SN7509, 2024-04-23	DAE4 Sn856, 2024-04-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-12	2024-05-12
psSAR1g [W/kg]	2.35	2.40
psSAR8g [W/kg]	1.65	1.65
psSAR10g [W/kg]	1.56	1.56
Power Drift [dB]	-0.01	0.03
M2/M1 [%]		65.1
Dist 3dB Peak [mm]		20.1



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

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

台灣檢驗科技股份有限公司



Page: 69 of 75

Report No.: TESA2404000217E5

Measurement Report Dipole_D1750-SN:1008

Ambient temperature: 22.1°C; Liquid temperature: 21.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	8.37	1.38	39.796

Hardware Setup

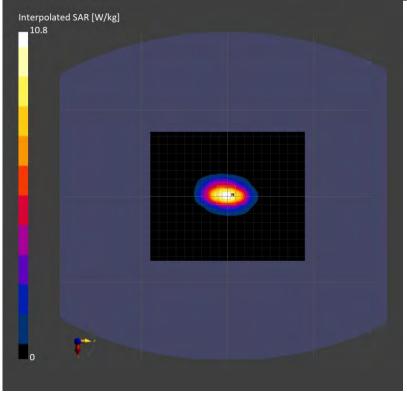
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0	EX3DV4 - SN7509, 2024-04-23	DAE4 Sn856, 2024-04-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-13	2024-05-13
psSAR1g [W/kg]	8.69	8.92
psSAR8g [W/kg]	5.05	5.13
psSAR10g [W/kg]	4.64	4.72
Power Drift [dB]	-0.04	-0.01
M2/M1 [%]		54.6
Dist 3dB Peak [mm]		10.0



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



Page: 70 of 75

Report No.: TESA2404000217E5

Measurement Report Dipole_D1900-SN:5d056

Ambient temperature: 22.1°C; Liquid temperature: 21.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	8.1	1.413	39.717

Hardware Setup

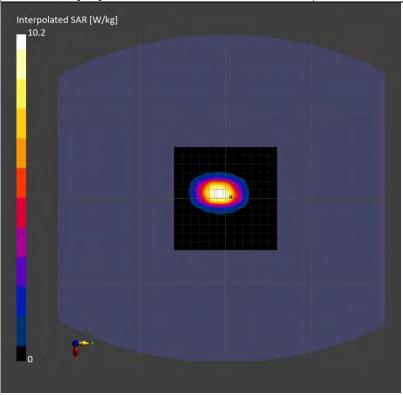
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0	EX3DV4 - SN7509, 2024-04-23	DAE4 Sn856, 2024-04-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-13	2024-05-13
psSAR1g [W/kg]	8.68	10.1
psSAR8g [W/kg]	5.26	5.70
psSAR10g [W/kg]	4.87	5.24
Power Drift [dB]	-0.03	-0.01
M2/M1 [%]		53.3
Dist 3dB Peak [mm]		10.1



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非只有铅明,此報华结甲攝影測建立幾只有著,同時世幾只攝展例の主。大報华主標太公司書面對可,不可可以複劃。

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

SGS Taiwan Ltd.



Page: 71 of 75

Report No.: TESA2404000217E5

Measurement Report Dipole_D2450-SN:727

Ambient temperature: 22.3°C; Liquid temperature: 21.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	7.56	1.824	38.917

Hardware Setup

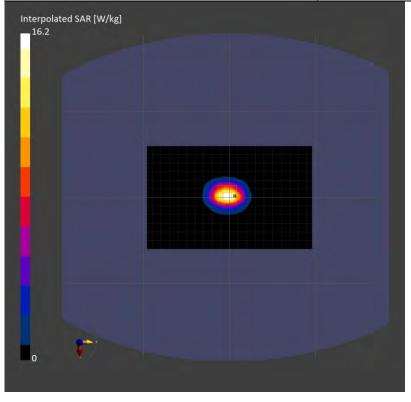
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0	EX3DV4 - SN7509, 2024-04-23	DAE4 Sn856, 2024-04-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-14	2024-05-14
psSAR1g [W/kg]	12.6	13.1
psSAR8g [W/kg]	6.66	6.96
psSAR10g [W/kg]	6.04	6.34
Power Drift [dB]	0.06	-0.01
M2/M1 [%]		59.6
Dist 3dB Peak [mm]		9.3



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

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

台灣檢驗科技股份有限公司



Page: 72 of 75

Report No.: TESA2404000217E5

Measurement Report Dipole_D5250-SN:1023

Ambient temperature: 22.6°C; Liquid temperature: 21.7°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	5.56	4.696	35.646

Hardware Setup

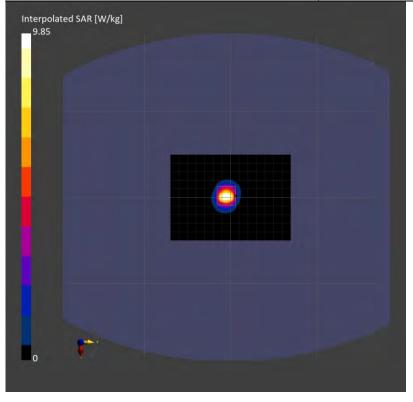
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0	EX3DV4 - SN7509, 2024-04-23	DAE4 Sn856, 2024-04-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 140.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-15	2024-05-15
psSAR1g [W/kg]	7.07	7.74
psSAR8g [W/kg]	2.56	2.68
psSAR10g [W/kg]	2.22	2.31
Power Drift [dB]	-0.00	-0.00
M2/M1 [%]		58.3
Dist 3dB Peak [mm]		7.3



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 险非只有的明,此想些结果做新测验之缘具负责,同时此模具做是例如于。木型生主领水公司事面纯可,不可可以推测。

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

SGS Taiwan Ltd. No.134,V

台灣檢驗科技股份有限公司



Page: 73 of 75

Report No.: TESA2404000217E5

Measurement Report Dipole_D5600-SN:1023

Ambient temperature: 22.6°C; Liquid temperature: 21.7°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	4.79	5.055	35.246

Hardware Setup

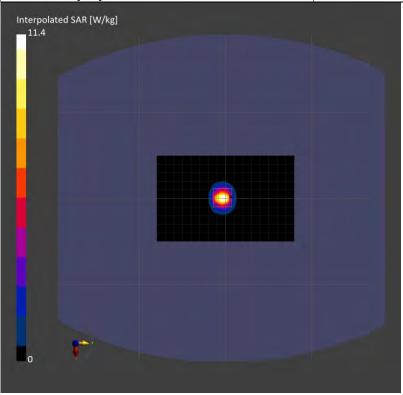
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0	EX3DV4 - SN7509, 2024-04-23	DAE4 Sn856, 2024-04-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 160.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-15	2024-05-15
psSAR1g [W/kg]	7.81	8.57
psSAR8g [W/kg]	2.73	2.87
psSAR10g [W/kg]	2.36	2.47
Power Drift [dB]	-0.01	0.06
M2/M1 [%]		69.9
Dist 3dB Peak [mm]		7.6



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.

台灣檢驗科技股份有限公司



Page: 74 of 75

Report No.: TESA2404000217E5

Measurement Report Dipole_D5750-SN:1023

Ambient temperature: 22.6°C; Liquid temperature: 21.7°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	5.08	5.208	35.074

Hardware Setup

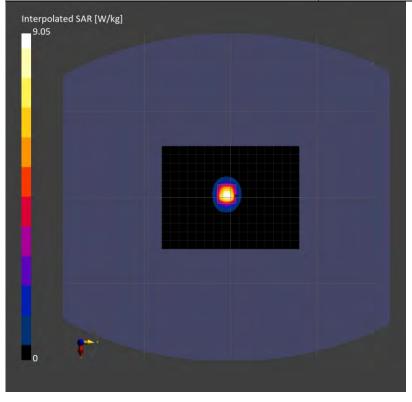
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0	EX3DV4 - SN7509, 2024-04-23	DAE4 Sn856, 2024-04-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 160.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-15	2024-05-15
psSAR1g [W/kg]	6.70	7.47
psSAR8g [W/kg]	2.48	2.50
psSAR10g [W/kg]	2.15	2.15
Power Drift [dB]	-0.06	-0.00
M2/M1 [%]		51.4
Dist 3dB Peak [mm]		7.4



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.



Page: 75 of 75

Refer to separated files for the following appendixes.

- 13.1 SAR_Appendix A Photographs
- 13.2 SAR Appendix B DAE & Probe Cal. Certificate
- SAR Appendix C Phantom Description & Dipole Cal. Certificate 13.3

- End of report -

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

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