

RF Exposure report



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

Product Name	Rugged Tablet
Brand Name	RuggON
Model No.	LUNA 3XXXXXXXXX (X can be any alphanumeric or blank for different marketing)
Applicant	RuggON Corporation
	4F,No. 298, Yangguang St., Neihu District Taipei City, 11491, Taiwan
Standards	IEEE/ANSI C95.1-1992, IEEE 1528-2013
FCC ID	2ABTU-AX210D2
Date of EUT Receipt	Jun. 02, 2022
Date of Test(s)	Jun. 20, 2022 ~ Jun. 25, 2022
Date of Issue	Aug. 10, 2022
In the configuration tested, the EL	JT 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 / Jasper Wang	Approved By / John Yeh
Kimmy Chiou	Jasper Wang	John Teh

Date: Aug. 10, 2022

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

www.sqs.com.tw

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



Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TESA2206000138EN	00	Initial creation of document	Jul. 11, 2022	Kimmy Chiou	*
TESA2206000138EN	01	Modify comment	Jul. 25, 2022	Kimmy Chiou	*
TESA2206000138EN	02	Modify Model No.	Jul. 27, 2022	Kimmy Chiou	*
TESA2206000138EN	03	Add antenna Gain	Aug. 10, 2022	Ruby Ou	
Note:					

The mark " * " is the revised version of the report due to comments submitted by the certification. 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 not reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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



Contents

1	GENERAL INFORMATION	
	1.1 Test Methodology	5
	1.2 Description of EUT	6
	1.3 Maximum value	7
	1.4 Antenna Information	7
2	MEASUREMENT SYSTEM	8
	2.1 Test Facility	8
	2.2 SAR System	
	2.3 PD system	
3	SAR SYSTEM VERIFICATION	
-	3.1 Tissue Simulating Liquid	
	3.2 Tissue Simulant Liquid measurement	15
	3.3 Measurement results of Tissue Simulant Liquid	16
	3.4 The composition of the tissue simulating liquid:	
	3.5 System check	
	3.6 System check results	
4	PD SYSTEM VERIFICATION	
-	4.1 System check	
	4.2 System check result	
5	TEST CONFIGURATIONS	
v	5.1 Test Environment	
	5.2 Test Note	
	5.3 Test position	
	5.4 Test limit	
6	Maximum OUTPUT POWER	
Ū	6.1 WLAN	
	6.2 WIFI 6E	
	6.3 Bluetooth	
	6.4 BLE	-
7	SUMMARY OF RESULTS	
•	7.1 Decision rules	
	7.2 Summary of SAR Results	
	7.3 Summary of PD Results	
	7.4 Reporting statements of conformity	
	7.5 Conclusion	
8	SIMULTANEOUS TRANSMISSION ANALYSIS	
U	8.1 Simultaneous Transmission Scenarios:	
	8.2 Estimated SAR calculation	
	8.3 SPLSR evaluation and analysis	
	8.4 Conclusion	
9	INSTRUMENTS LIST	
9 10	UNCERTAINTY BUDGET	
11	SAR MEASUREMENT results	
12	PD measurement result	
14		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.

t (886-2) 2299-3279

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

Report No.: TESA2206000138EN Page: 4 of 104



13	SAR SYSTEM check results	96
14	PD system check result	02
15	APPÉNDIXES 10	04
	15.1 TESA2206000138EN SAR_Appendix A Photographs	04
	15.2 TESA2206000138EN SAR_Appendix B DAE & Probe Cal. Certificate 10	
	15.3 TESA2206000138EN SAR_Appendix C Phantom Description & Dipole Ca	
	Certificate	

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

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



GENERAL INFORMATION 1

1.1 Test Methodology

The SAR testing method and procedure for this device is in accordance with the following standards: IEEE/ANSI C95.1-1992 IEEE 1528-2013 KDB447498D01v06 KDB865664D01v01r04 KDB865664D02v01r02 KDB616217D04v01r02 KDB248227D01v02r01 IEC/IEEE 62209-1528:2020 SPEAG DASY6 System Handbook SPEAG DASY6 Application Note (Interim Procedure for Device Operation at 6GHz-10GHz) IEC TR 63170:2018 IEC 62479:2010

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

t (886-2) 2299-3279

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

www.sqs.com.tw



1.2 **Description of EUT**

Product Name	Rugged Tablet				
Brand Name	RuggON				
Model No.	LUNA 3XXXXXXXX (X can be any alphanumeric or blank for different marketing)				
FCC ID	2ABTU-AX210D2				
Integrated WLAN Module	Brand Name: Intel® Wi Model Name: AX210D2	2W			
Mode	WLAN: 802.11a/b/g/n/ac/ax HT20/HT40/VHT20/VHT40/VHT80/VHT160/HE20/HE40/F E80/HE160 Bluetooth BR/EDR/LE				
Duty Quele	WLAN802.11	Refer to page 48~50			
Duty Cycle	Bluetooth	76.4%			
	802.11 b/g/n/ax	2.4GHz (2400.0 – 2483.5 MHz)			
Supported Radios	802.11a/n/ac/ax	5.2GHz (5150.0 – 5250.0 MHz) 5.3GHz (5250.0 – 5350.0 MHz) 5.6GHz (5470.0 – 5725.0 MHz) 5.8GHz (5725.0 – 5850.0 MHz)			
	Bluetooth 5.2	2.4GHz (2400.0 – 2483.5 MHz)			
	802.11a/n/ac/ax	6.0GHz (5925.0-7125.0MHz)			

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

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



1.3 Maximum value

Summary of Maximum SAR and Power Density Value					
Mode	Highest SAR 1g Body (W/kg)	Highest APD (W/m^2)	Highest PD (W/m^2)		
Bluetooth(GFSK)	0.04	N/A	N/A		
2.4G WLAN	0.14	N/A	N/A		
5G WLAN	1.14	N/A	N/A		
6G WLAN	0.15	0.88	1.68		

Antenna Information 1.4

Tablet mode_WLAN

Vendor		Anjie							
Antenna		Main (PIFA)							
Part Number		AJDQ1J-B0035							
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	0.50	1.40	1.40	1.60	2.30	2.80	2.00	2.20	1.40

Vendor		Unictron							
Antenna		Aux (PIFA)							
Part Number		H2M1J616124300							
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	1.5	1.5 2.20 2.2 2.2 2.2 2.50 2.50 2.50 2.50							

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 not reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MEASUREMENT SYSTEM 2

2.1 **Test Facility**

Laboratory	Test Site Address	Test Site Name	FCC Designation number	IC CAB identifier	
	1F, No. 8, Alley 15, Lane 120, Sec. 1, NeiHu Road,				
	Neihu District, Taipei City, 11493, Taiwan.	SAR 6	TW0029	TW3702	
SGS Taiwan Ltd.	No. 2, Keji 1st Rd., Guishan	SAR 1	TW0028		
Central RF Lab. (TAF code 3702)	Township, Taoyuan County, 33383, Taiwan	SAR 4			
	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku	SAR 3			
	District, New Taipei City, Taiwan	SAR 7	TW0027		
Noto: Test site	name is remarked on the	aquinment list i	in each section of	this report as an	

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.

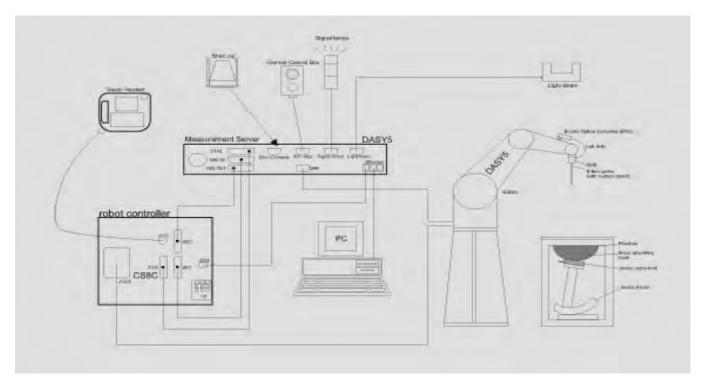
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions 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 indergrade and the document and the document document document and the document and the document document document and the document docum prosecuted to the fullest extent of the law.



SAR System 2.2

Block Diagram (DASY5)

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



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

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

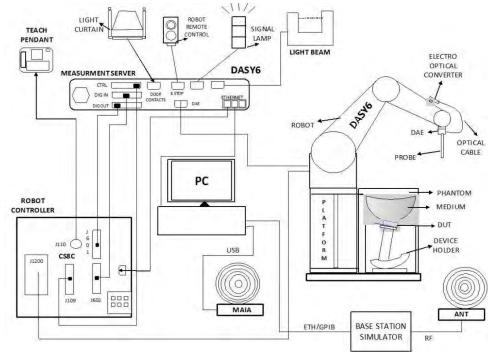
f (886-2) 2298-0488

www.sgs.com.tw



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 form exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law

www.sqs.com.tw



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 2450/5250/5600/5750/6500/7000 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.

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



PHANTOM (ELI)

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

DEVICE HOLDER (ELI)

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.

t (886-2) 2299-3279

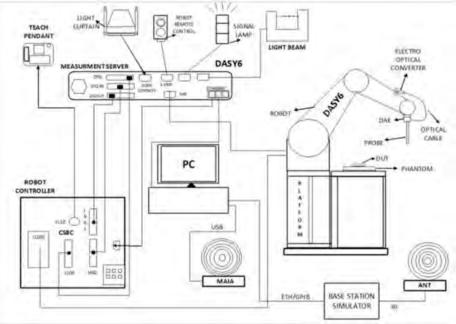
除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions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



PD system 2.3

Block Diagram (DASY6)

Power density measurements for mmWave frequencies were performed using SPEAG DASY6 with cDASY6 5G module. The DASY6 included a high precision robotics system (Staubli), robot controller, desktop computer, near-field probe, probe alignment sensor, and the 5G phantom cover.



EUmmWVx probe

The EUmmWVx probe is based on the pseudo-vector probe design, which not only measures the field magnitude but also derives its polarization ellipse. The design entails two small 0.8mm dipole sensors mechanically protected by high-density foam, printed on both sides of a 0.9mm wide and 0.12mm thick glass substrate. The body of the probe is specifically constructed to minimize distortion by the scattered fields. The probe consist of two sensors with different angles (1 and 2) arranged in the same plane in the probe axis. Three or more measurements of the two sensors are taken for different probe rotational angles to derive the amplitude and polarization information. The probe design allows measurements at distances as small as 2mm from the sensors to the surface of the device under test (DUT). The typical sensor to probe tip distance is 1.5 mm. The exact distance is calibrated.



Two dipoles optimally arranged to obtain pseudovector information. Minimum 3 measurements/ point, 120° rotated around probe axis. Sensors (0.8mm length) printed on glass substrate protected by high density foam.Low perturbation of the measured field. Requires positioner which can do accurate probe rotation.

Frequency Range

750 MHz – 110 GHz

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

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

t (886-2) 2299-3279 台灣檢驗科技股份有限公司



Dynamic Range	< 20 V/m – 10,000 V/m with PRE-10 (min <
	50 V/m - 3000 V/m)
Position Precision	< 0.2 mm (DASY6)
Dimensions	Overall length: 337 mm (tip: 20 mm)
	Tip diameter: encapsulation 8 mm
	(internal sensor < 1mm)
	Distance from probe tip to dipole centers:
	< 2 mm. Sensor displacement to probe's
	calibration point: < 0.3 mm
Applications	E-field measurements of 5G devices and
	other mm-wave transmitters operating
	above 10GHz in < 2 mm distance from
	device (free-space).Power density, H-field
	and far-field analysis using total field
	reconstruction (cDASY6 5G module
sensor 1,5mm calibrated	required)
device	
Compatibility	cDASY6 + 5G-Module SW1.0 and higher

mmWave Phantom

The mmWave Phantom approximates free-space conditions, allowing for the evaluation of the antenna side of the device and the front (screen) side or any opposite-radiating side of wireless devices operating above 10 GHz without distorting the RF field. It consists of a 40mm thick Rohacell plate used as a test bed, which has a loss tangent (tan δ) \leq 0.05 and a relative permittivity (ϵr) \leq 1.2. High-performance RF absorbers are placed below the foam.

t (886-2) 2299-3279

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

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



SAR SYSTEM VERIFICATION 3

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 reference point (ERP) of the phantom to the liquid top surface is larger than 15cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15cm.

3.2 **Tissue Simulant Liquid measurement**

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

All dielectric parameters of tissue simulates were measured within 24 hours of SAR measurements. The measured conductivity and permittivity are all within ± 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.

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

www.sqs.com.tw



3.3 Measurement results of Tissue Simulant Liquid

Measured Frequency (MHz)	Liquid Temp. (°C)	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
2402	22.1	39.282	1.757	37.779	1.803	-3.83%	2.60%	± 5%	Jun. 20, 2022
2412	22.1	39.265	1.766	37.758	1.812	-3.84%	2.60%	± 5%	Jun. 20, 2022
2437	22.1	39.222	1.788	37.721	1.832	-3.83%	2.44%	± 5%	Jun. 20, 2022
2441	22.1	39.215	1.792	37.716	1.835	-3.82%	2.41%	± 5%	Jun. 20, 2022
2450	22.1	39.200	1.800	37.709	1.842	-3.80%	2.36%	± 5%	Jun. 20, 2022
2462	22.1	39.184	1.813	37.690	1.852	-3.81%	2.17%	± 5%	Jun. 20, 2022
2480	22.1	39.160	1.832	37.677	1.867	-3.79%	1.90%	± 5%	Jun. 20, 2022
5190	21.8	36.010	4.650	37.148	4.562	3.16%	-1.87%	± 5%	Jun. 21, 2022
5230	21.8	35.970	4.690	36.930	4.635	2.67%	-1.17%	± 5%	Jun. 21, 2022
5250	21.8	35.950	4.710	36.897	4.666	2.63%	-0.94%	± 5%	Jun. 21, 2022
5270	21.8	35.930	4.730	36.876	4.696	2.63%	-0.73%	± 5%	Jun. 21, 2022
5310	21.8	35.890	4.770	36.690	4.754	2.23%	-0.34%	± 5%	Jun. 21, 2022
5530	22.0	35.605	4.997	36.043	5.036	1.23%	0.78%	± 5%	Jun. 22, 2022
5600	22.0	35.500	5.070	35.917	5.119	1.18%	0.97%	± 5%	Jun. 22, 2022
5610	22.0	35.490	5.080	35.871	5.133	1.07%	1.05%	± 5%	Jun. 22, 2022
5690	22.0	35.410	5.160	35.632	5.234	0.63%	1.43%	± 5%	Jun. 22, 2022
5750	22.3	35.350	5.220	36.357	5.391	2.85%	3.27%	± 5%	Jun. 23, 2022
5755	22.3	35.345	5.225	36.356	5.396	2.86%	3.26%	± 5%	Jun. 23, 2022
5795	22.3	35.305	5.265	35.313	5.438	0.02%	3.29%	± 5%	Jun. 23, 2022
6025	22.4	35.070	5.510	36.162	5.703	3.11%	3.52%	± 5%	Jun. 24, 2022
6185	22.4	34.878	5.698	35.970	5.875	3.13%	3.10%	± 5%	Jun. 24, 2022
6345	22.4	34.686	5.887	35.778	6.048	3.15%	2.73%	± 5%	Jun. 24, 2022
6500	22.4	34.500	6.070	35.592	6.216	3.17%	2.41%	± 5%	Jun. 24, 2022
6505	22.4	34.494	6.076	35.586	6.221	3.17%	2.40%	± 5%	Jun. 24, 2022
6665	22.4	34.302	6.261	35.394	6.396	3.18%	2.16%	± 5%	Jun. 24, 2022
6825	22.4	34.110	6.447	35.202	6.572	3.20%	1.94%	± 5%	Jun. 24, 2022
6985	22.2	33.918	6.633	35.010	6.749	3.22%	1.76%	± 5%	Jun. 24, 2022
7000	22.2	33.900	6.650	34.992	6.766	3.22%	1.74%	± 5%	Jun. 24, 2022

The composition of the tissue simulating liquid: 3.4

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

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

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

www.sgs.com.tw

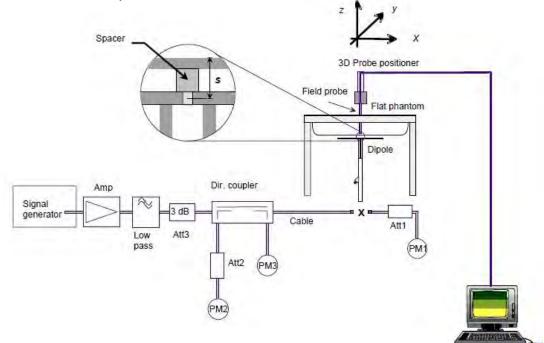


3.5 System check

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 form exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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



System check results 3.6

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	52.8	13	52	-1.52	± 10%	Jun.20,2022
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	81	7.79	77.9	-3.83	± 10%	Jun.21,2022
D5GHzV2	1023	5600	84.4	8.03	80.3	-4.86	± 10%	Jun.22,2022
D5GHzV2	1023	5750	81	7.81	78.1	-3.58	± 10%	Jun.23,2022
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
D6.5GHzV2	1006	6500	291	29.5	295	1.37	± 10%	Jun.24,2022
D7GHzV2	1007	7000	275	26.7	267	-2.91	± 10%	Jun.24,2022

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

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

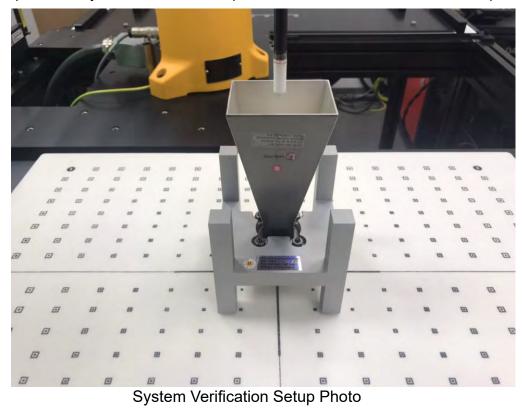


PD SYSTEM VERIFICATION 4

4.1 System check

The system was verified to be within ±0.66 dB of the power density targets on the calibration certificate according to the test system specification in the user's manual and calibration facility recommendation. The 0.66 dB deviation threshold represents the expanded uncertainty for system performance checks using SPEAG's mmWave verification sources. The same spatial resolution and measurement region used in the source calibration was applied during the system check.

The measured power density distribution of verification source was also confirmed through visual inspection to have no noticeable differences, both spatially (shape) and numerically (level) from the distribution provided by the manufacturer, per November 2017 TCBC Workshop Notes.



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

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



4.2 System check result

The system was verified to be within ±0.66 dB of the power density targets on the calibration certificate according to the test system specification in the user's manual and calibration facility recommendation. The 0.66 dB deviation threshold represents the expanded uncertainty for system performance checks using SPEAG's mmWave verification sources. The same spatial resolution and measurement region used in the source calibration was applied during the system check. The measured power density distribution of verification source was also confirmed through visual inspection to have no noticeable differences, both spatially (shape) and numerically (level) from the distribution provided by the manufacturer, per November 2017 TCBC Workshop Notes.

	Frequency (MHz)	PD Verification Source (MHz)	Probe S/N	DAE S/N	Distance (mm)	Prad (mW)	Measured 4cm^2 (W/m^2)	Target 4cm^2 (W/m^2)	Deviation (dB)	Date
F	10000	10000	9579	558	10	86.1	54.2	51.7	0.21	Jun.25,2022

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

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



TEST CONFIGURATIONS 5

5.1 Test Environment

Ambient Temperature: 22±2° C Tissue Simulating Liquid: 22±2° C

5.2 **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 ≤ 0.8 transmission band is ≤ 100 MHz. W/kg, when the According KDB865664D01v01r04, SAR measurement variability must be assessed for each frequency band. When the original highest measured SAR is \geq 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 \geq 1.45 W/kg (~ 10% from the 1-g SAR limit).

 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 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

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

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



specified maximum output power and the adjusted SAR is \leq 1.2 W/kg, SAR is not required for subsequent test configuration.

• WLAN 5GHz: Based on FCC guidance, general principles of KDB248227D01 can be applied to 802.11ax to determine initial test configuration with 802.11ax being considered as the highest 802.11 mode for the appropriate frequency band.

 WLAN 6GHz: Per October 2020 & April 2021 TCB Workshop Interim procedures and FCC guidance, start instead with a minimum of 5 test channels across the full band, then adapt and apply conducted power and SAR test reduction procedures of KDB Pub. 248227 v02r02. WIFI 6E SAR is measured by using 6-7GHz parameters per IEC/IEEE62209- 1528:2020 and report also estimated absorbed PD (for reference purposes only, not specifically for compliance). For the highest SAR test configurations also measure incident PD (total) using mmW near-field probe and total-field/power-density reconstruction method.

• WLAN 6GHz: Per equipment manufacturer guidance, power density was measured at d=2mm with the grid step (0.0625λ) for determining compliance at d=2mm.

• WLAN 6GHz: According to October 2020 TCB Workshop Interim procedures, power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty > 30%. Total expanded uncertainty of 2.67 dB (85%) was used to determine the psPD measurement scaling factor.

 WLAN 6GHz: Per FCC guidance, for simultaneous transmission evaluation, using SAR sum and SPLSR for simultaneous transmit exclusion analyses and evaluations.

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

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

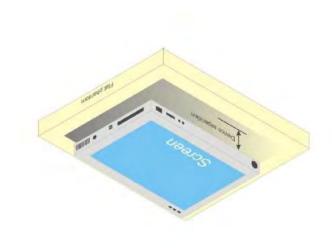


Report No.: TESA2206000138EN Page: 23 of 104

5.3 Test position

Tablet mode SAR test position (0mm)

For full-size tablet, according to KDB 616217 D04, SAR evaluation is required for back surface and edges of the devices. The back surface and edges of the tablet are tested with the tablet touching the phantom. Exposures from antennas through the front surface of the display section of a tablet are generally limited to the user's hands. Exposures to hands for typical consumer transmitters used in tablets are not expected to exceed the extremity SAR limit; therefore, SAR evaluation for the front surface of tablet display screens are generally not necessary. When voice mode is supported on a tablet and it is limited to speaker mode or headset operations only, additional SAR testing for this type of voice use is not required.



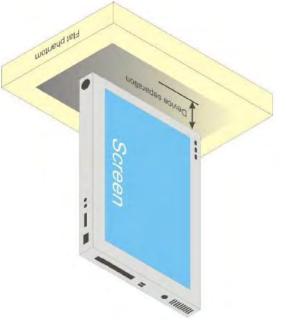


Illustration for Tablet Setup

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

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

t (886-2) 2299-3279

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

f (886-2) 2298-0488

www.sgs.com.tw



5.4 **Test limit**

§ 2.1093(d)(1)

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

Radiofrequency radiation exposure limits.

§ 1.1310(a)

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

§ 1.1310(b)

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

§ 1.1310(c)

The SAR limits for general population/uncontrolled exposure are 0.08 W/kg, as averaged over the whole body, and a peak spatial-average SAR of 1.6 W/kg, averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak spatialaverage 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

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

No.134,Wu Kung Road, New Taipei Industrial 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

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

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



Report No.: TESA2206000138EN Page: 25 of 104

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

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

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

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

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

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

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



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

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.

Unless other wire stated: the results stoken in this less report relet only to be stated and so that state states and the results stoken and states and s Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

www.sgs.com.tw

1.0

<30



Report No.: TESA2206000138EN Page: 27 of 104

MAXIMUM OUTPUT POWER 6

6.1 **WLAN**

		1	Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	2412		21.00	20.96
	802.11b	6	2437	1Mbps	21.00	20.98
		11	2462		21.00	20.97
	802.11g	1	2412	_	19.00	18.94
		6	2437	6Mbps	21.00	20.87
		11	2462		18.50	18.28
	802.11n20-HT0	1	2412	MCS0	19.00	18.89
		6	2437		21.00	20.79
2.45GHz		11	2462		18.50	18.39
2.400112		1	2412		19.00	18.90
	802.11ax20-HE0	6	2437	MCS0	21.00	20.86
		11	2462		18.50	18.41
		3	2422		18.25	18.00
	802.11n40-HT0	6	2437	MCS0	17.50	17.31
		9	2452		12.00	11.95
		3	2422		18.25	18.16
	802.11ax40-HE0	6	2437	MCS0	17.50	17.46
		9	2452		12.00	11.78

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

Unless other wire stated: the results stoken in this less report relet only to be stated and so that state states and the results stoken and states and s Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

t (886-2) 2299-3279 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

www.sgs.com.tw



Report No.: TESA2206000138EN Page: 28 of 104

	Main								
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)			
		36	5180		19.25	19.22			
	902 112	40	5200	GMbpa	21.00	20.80			
	802.11a	44	5220	6Mbps	21.00	20.78			
		48	5240	-	21.00	20.85			
	802.11n20-HT0	36	5180		19.25	19.09			
		40	5200	MCS0	21.00	20.71			
		44	5220	MCSU	21.00	20.89			
		48	5240		21.00	20.85			
		36	5180	MCS0	19.25	19.15			
5.15-5.25 GHz	802.11ax20-HE0	40	5200		21.00	20.89			
J. 13-5.25 GHZ	002.11020-1120	44	5220	MC30	21.00	20.77			
		48	5240		21.00	20.82			
	802.11n40-HT0	38	5190	MCS0	18.25	18.17			
	002.11140-010	46	5230	10030	21.00	20.98			
	802.11ax40-HE0	38	5190	MCS0	18.25	18.20			
	002.11ax40-nE0	46	5230	10030	21.00	20.88			
	802.11ac80-VHT0	42	5210	MCS0	18.00	17.88			
	802.11ax80-HE0	42	5210	MCS0	18.00	17.79			
	802.11ac160-VHT0	50	5250	MCS0	14.50	14.28			
	802.11ax160-HE0	50	5250	MCS0	14.50	14.33			

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

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



Report No.: TESA2206000138EN Page: 29 of 104

		Ν	Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		52	5260		21.00	20.82
	802.11a	56	5280	6Mbps	21.00	20.89
	002.118	60	5300	0101003	21.00	20.85
		64	5320		19.75	19.61
	802.11n20-HT0	52	5260	MCS0	21.00	20.79
		56	5280		21.00	20.87
		60	5300		21.00	20.88
		64	5320		19.75	19.46
5.25-5.35 GHz		52	5260		21.00	20.76
0.20-0.00 0112	802.11ax20-HE0	56	5280	MCS0	21.00	20.79
	002.114720-1120	60	5300	10000	21.00	20.80
		64	5320		19.75	19.67
	802.11n40-HT0	54	5270	MCS0	21.00	20.98
	002.11140-0110	62	5310	10030	16.50	16.49
	802.11ax40-HE0	54	5270	MCS0	21.00	20.84
	002.11ax40-nE0	62	5310	INICSU	16.50	16.29
	802.11ac80-VHT0	58	5290	MCS0	17.00	16.93
	802.11ax80-HE0	58	5290	MCS0	17.00	16.88

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

t (886-2) 2299-3279

Onless other was stated the results shown in this test report relief only to the samples have trained in a bury samples are trained and the bury samples a Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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



Report No.: TESA2206000138EN Page: 30 of 104

		Ν	<i>I</i> lain			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		100	5500		20.25	20.00
	802.11a	120	5600	6Mbps	21.00	20.80
		140	5700		20.50	20.29
		100	5500		20.25	20.14
	802.11n20-HT0	120	5600	MCS0	21.00	20.94
		140	5700		20.50	20.40
	802.11ax20-HE0	100	5500		20.25	20.14
		120	5600	MCS0	21.00	20.79
		140	5700		20.50	20.31
	802.11n40-HT0	102	5510	MCS0	19.50	19.33
		118	5590		21.00	20.84
		134	5670		20.75	20.53
5.6GHz		142	5710		21.00	20.97
		102	5510		19.50	19.26
	802.11ax40-HE0	118	5590	MCS0	21.00	20.86
	002.11aA40-11L0	134	5670	10000	20.75	20.49
		142	5710		21.00	20.72
		106	5530		19.25	19.14
	802.11ac80-VHT0	122	5610	MCS0	21.00	20.93
		138	5690		21.00	20.99
		106	5530		19.25	19.17
	802.11ax80-HE0	122	5610	MCS0	21.00	20.78
		138	5690		21.00	20.80
	802.11ac160-VHT0	114	5570	MCS0	17.25	17.14
	802.11ax160-HE0	114	5570	MCS0	17.25	17.05

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

t (886-2) 2299-3279

Onless other was stated the results shown in this test report relief only to the samples have trained in a bury samples are trained and the bury samples a Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

```
www.sgs.com.tw
```



Report No.: TESA2206000138EN Page: 31 of 104

		Ν	Main			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		149	5745		21.00	20.71
	802.11a	157	5785	6Mbps	21.00	20.84
		165	5825		21.00	20.92
	802.11n20-HT0	149	5745	MCS0	21.00	20.82
		157	5785		21.00	20.90
		165	5825		21.00	20.88
		149	5745		21.00	20.74
5.8GHz	802.11ax20-HE0	157	5785	MCS0	21.00	20.91
		165	5825		21.00	20.79
	802.11n40-HT0	151	5755	MCS0	21.00	20.98
	002.11140-0110	159	5795	MC30	21.00	20.92
	802.11ax40-HE0	151	5755	MCS0	21.00	20.86
	002.11ax40-nE0	159	5795	WC30	21.00	20.88
	802.11ac80-VHT0	155	5775	MCS0	20.25	20.11
	802.11ax80-HE0	155	5775	MCS0	20.25	20.15

Unless otherwise stated 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 other was stated the results shown in this test report relief only to the samples have trained in a bury samples are trained and the bury samples a Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 台灣檢驗科技股份有限公司

www.sgs.com.tw



Report No.: TESA2206000138EN Page: 32 of 104

Aux							
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	
		1	2412		21.00	20.97	
	802.11b	6	2437	1Mbps	21.00	20.99	
		11	2462		21.00	20.98	
	802.11g	1	2412		19.75	19.53	
		6	2437	6Mbps	21.00	20.90	
		11	2462		18.75	18.68	
	802.11n20-HT0	1	2412	MCS0	19.75	19.55	
		6	2437		21.00	20.80	
2.45GHz		11	2462		18.75	18.62	
2.400112	802.11ax20-HE0	1	2412	MCS0	19.75	19.50	
		6	2437		21.00	20.89	
		11	2462		18.75	18.58	
	802.11n40-HT0	3	2422	MCS0	18.25	18.01	
		6	2437		18.00	17.88	
		9	2452		12.50	12.43	
	802.11ax40-HE0	3	2422	MCS0	18.25	18.22	
		6	2437		18.00	17.94	
		9	2452		12.50	12.38	

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

Onless other was stated the results shown in this test report relief only to the samples have trained in a bury samples are trained and the bury samples a Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 台灣檢驗科技股份有限公司 www.sgs.com.tw



Report No.: TESA2206000138EN Page: 33 of 104

Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		19.00	18.82
	802.11a	40	5200	GMbpa	21.00	20.83
	002.11a	44	5220	6Mbps	21.00	20.73
		48	5240		21.00	20.90
	802.11n20-HT0	36	5180	MCS0	19.00	18.85
		40	5200		21.00	20.79
		44	5220		21.00	20.91
		48	5240		21.00	20.96
	802.11ax20-HE0	36	5180	MCS0	19.00	18.74
5.15-5.25 GHz		40	5200		21.00	20.95
5.15-5.25 GHZ		44	5220		21.00	20.83
		48	5240		21.00	20.86
	802.11n40-HT0	38	5190	MCS0	18.50	18.46
		46	5230		21.00	20.97
	802.11ax40-HE0	38	5190	MCS0	18.50	18.35
		46	5230		21.00	20.84
	802.11ac80-VHT0	42	5210	MCS0	18.75	18.57
	802.11ax80-HE0	42	5210	MCS0	18.75	18.62
	802.11ac160-VHT0	50	5250	MCS0	15.00	14.83
	802.11ax160-HE0	50	5250	MCS0	15.00	14.78

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

t (886-2) 2299-3279

Onless other was stated the results shown in this test report relief only to the samples have trained in a bury samples are trained and the bury samples a Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

```
www.sgs.com.tw
```



Report No.: TESA2206000138EN Page: 34 of 104

Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		52	5260		21.00	20.76
	802.11a	56	5280	6Mbps	21.00	20.76
	002.11a	60	5300	0101005	21.00	20.82
		64	5320		19.25	19.12
	802.11n20-HT0	52	5260	MCS0	21.00	20.93
		56	5280		21.00	20.89
		60	5300		21.00	20.82
		64	5320		19.25	19.19
5.25-5.35 GHz	802.11ax20-HE0	52	5260	MCS0	21.00	20.74
0.20-0.00 OHZ		56	5280		21.00	20.90
		60	5300		21.00	20.85
		64	5320		19.25	19.14
	802.11n40-HT0	54	5270	MCS0	21.00	20.98
	002.11140-010	62	5310		16.75	16.73
	802.11ax40-HE0	54	5270	MCS0	21.00	20.75
		62	5310		16.75	16.53
	802.11ac80-VHT0	58	5290	MCS0	17.50	17.38
	802.11ax80-HE0	58	5290	MCS0	17.50	17.38

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

Onless other was stated the results shown in this test report relief only to the samples have trained in a bury samples are trained and the bury samples a Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

t (886-2) 2299-3279 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

www.sgs.com.tw



Report No.: TESA2206000138EN Page: 35 of 104

Aux							
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	
		100	5500		20.00	19.86	
	802.11a	120	5600	6Mbps	21.00	20.90	
		140	5700		20.50	20.37	
		100	5500		20.00	19.80	
	802.11n20-HT0	120	5600	MCS0	21.00	20.93	
		140	5700		20.50	20.40	
		100	5500		20.00	19.81	
	802.11ax20-HE0	120	5600	MCS0	21.00	20.86	
		140	5700		20.50	20.40	
	802.11n40-HT0	102	5510		19.75	19.59	
		118	5590	MCS0	21.00	20.77	
		134	5670	MCSU	20.50	20.23	
5.6GHz		142	5710		21.00	20.89	
	802.11ax40-HE0	102	5510	MCS0	19.75	19.60	
		118	5590		21.00	20.85	
		134	5670		20.50	20.31	
		142	5710		21.00	20.87	
	802.11ac80-VHT0	106	5530	MCS0	19.00	18.96	
		122	5610		21.00	20.94	
		138	5690		21.00	20.96	
	802.11ax80-HE0	106	5530	MCS0	19.00	18.92	
		122	5610		21.00	20.84	
		138	5690		21.00	20.78	
	802.11ac160-VHT0	114	5570	MCS0	17.00	16.86	
	802.11ax160-HE0	114	5570	MCS0	17.00	16.86	

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

t (886-2) 2299-3279

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



Report No.: TESA2206000138EN Page: 36 of 104

Aux							
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	
		149	5745	6Mbps	21.00	20.83	
	802.11a	157	5785		21.00	20.97	
		165	5825		21.00	20.86	
	802.11n20-HT0	149	5745	MCS0	21.00	20.75	
		157	5785		21.00	20.86	
		165	5825		21.00	20.85	
	802.11ax20-HE0	149	5745	MCS0	21.00	20.79	
5.8GHz		157	5785		21.00	20.82	
		165	5825		21.00	20.86	
	802.11n40-HT0	151	5755	MCS0	21.00	20.96	
		159	5795		21.00	20.98	
	802.11ax40-HE0	151	5755	MCS0	21.00	20.82	
		159	5795	WC30	21.00	20.87	
	802.11ac80-VHT0	155	5775	MCS0	20.25	20.20	
	802.11ax80-HE0	155	5775	MCS0	20.25	20.08	

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

Unless otherwise stated the results shown in this test report refer only to the Sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 台灣檢驗科技股份有限公司



			Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	5955		5.00	4.90
	802.11a	45	6175	6Mbps	5.00	4.78
		93	6415		5.00	4.89
		1	5955		5.00	4.97
	802.11n20-HT0	45	6175	MCS0	5.00	4.76
		93	6415		5.00	4.75
		1	5955		5.00	4.89
	802.11ax20-HE0	45	6175	MCS0	5.00	4.85
		93	6415		5.00	4.87
	802.11n40-HT0	3	5965		8.00	7.77
		43	6165	MCS0	8.00	7.89
		91	6405		8.00	7.86
U-NII-5		3	5965		8.00	7.84
6.2GHz	802.11ax40-HE0	43	6165	MCS0	8.00	7.86
0.20112		91	6405		8.00	7.92
		7	5985		11.00	10.77
	802.11ac80-VHT0	39	6145	MCS0	11.00	10.76
		87	6385		11.00	10.86
		7	5985		11.00	10.82
	802.11ax80-HE0	39	6145	MCS0	11.00	10.85
		87	6385		11.00	10.81
		15	6025		13.50	13.48
	802.11ac160-VHT0	47	6185	MCS0	13.50	13.45
		79	6345		13.50	13.47
		15	6025		13.50	13.31
	802.11ax160-HE0	47	6185	MCS0	13.50	13.34
		79	6345		13.50	13.36

t (886-2) 2299-3279

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



Report No.: TESA2206000138EN Page: 38 of 104

	Main									
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)				
		97	6435		5.00	4.73				
	802.11a	105	6475	6Mbps	5.00	4.75				
		113	6515		5.00	4.81				
		97	6435		5.00	4.84				
	802.11n20-HT0	105	6475	MCS0	5.00	4.91				
		113	6515		5.00	4.87				
	802.11ax20-HE0	97	6435	MCS0	5.50	5.39				
		105	6475		5.50	5.38				
U-NII-6		113	6515		5.50	5.33				
6.5GHz	802.11n40-HT0	99	6445	MCS0	8.50	8.42				
0.5662	002.11140-010	107	6485	101030	8.50	8.45				
	802.11ax40-HE0	99	6445	MCS0	8.50	8.42				
	002.11ax40-11E0	107	6485	101030	8.50	8.43				
	802.11ac80-VHT0	103	6465	MCS0	10.50	10.35				
	002.11acou-VH10	119	6545	INIC30	10.50	10.29				
	802.11ax80-HE0	103	6465	MCS0	11.00	10.78				
		119	6545	IVICSU	11.00	10.93				
	802.11ac160-VHT0	111	6505	MCS0	13.50	13.46				
	802.11ax160-HE0	111	6505	MCS0	13.50	13.34				

Unless otherwise stated 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 other was stated the results shown in this test report relief only to the samples have trained in a bury samples are trained and the bury samples a Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

t (886-2) 2299-3279 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

www.sgs.com.tw



Report No.: TESA2206000138EN Page: 39 of 104

			Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		117	6535		5.00	4.79
	802.11a	149	6695	6Mbps	5.00	4.98
		181	6855		5.00	4.89
		117	6535		5.00	4.88
	802.11n20-HT0	149	6695	MCS0	5.00	4.79
		181	6855		5.00	4.81
		117	6535		5.50	5.31
	802.11ax20-HE0	149	6695	MCS0	5.50	5.36
		181	6855		5.50	5.46
	802.11n40-HT0	115	6525		8.50	8.41
		147	6685	MCS0	8.50	8.23
U-NII-7		179	6845		8.50	8.28
6.7GHz		115	6525		8.50	8.31
0.7 GHZ	802.11ax40-HE0	147	6685	MCS0	8.50	8.32
		179	6845		8.50	8.36
		135	6625		11.00	10.87
	802.11ac80-VHT0	151	6705	MCS0	11.00	10.81
		167	6785		11.00	10.74
		135	6625		11.00	10.75
	802.11ax80-HE0	151	6705	MCS0	11.00	10.80
		167	6785		11.00	10.82
	802.11ac160-VHT0	143	6665	MCS0	13.50	13.49
	002.1100-01110	175	6825	WIC30	13.50	13.43
	802.11ax160-HE0	143	6665	MCS0	13.50	13.42
		175	6825	10000	13.50	13.27

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

t (886-2) 2299-3279

Onless other was stated the results shown in this test report relief only to the samples have trained in a bury samples are trained and the bury samples a Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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



Report No.: TESA2206000138EN Page: 40 of 104

			Main			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		185	6875		5.00	4.86
	802.11a	209	6995	6Mbps	5.00	4.82
		233	7115		5.00	4.92
		185	6875		5.00	4.82
	802.11n20-HT0	209	6995	MCS0	5.00	4.92
		233	7115		5.00	4.80
	802.11ax20-HE0	185	6875		5.50	5.39
		209	6995	MCS0	5.50	5.36
		233	7115		5.50	5.38
U-NII-8	802.11n40-HT0	187	6885	MCS0	8.50	8.40
7.0GHz	002.11140-1110	227	7085	101030	8.50	8.44
7.00112	802.11ax40-HE0	187	6885	MCS0	8.50	8.39
	002.11aA40-11L0	227	7085	101030	8.50	8.25
		183	6865		10.50	10.40
	802.11ac80-VHT0	199	6945	MCS0	10.50	10.44
		215	7025		10.50	10.39
		183	6865		11.00	10.77
	802.11ax80-HE0	199	6945	MCS0	11.00	10.85
		215	7025		11.00	10.81
	802.11ac160-VHT0	207	6985	MCS0	13.50	13.49
	802.11ax160-HE0	207	6985	MCS0	13.50	13.33

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

t (886-2) 2299-3279

Onless other was stated the results shown in this test report relief only to the samples have trained in a bury samples are trained and the bury samples a Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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



Report No.: TESA2206000138EN Page: 41 of 104

Aux										
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)				
		1	5955		5.00	4.91				
	802.11a	45	6175	6Mbps	5.00	4.92				
		93	6415		5.00	4.84				
		1	5955		5.00	4.71				
	802.11n20-HT0	45	6175	MCS0	5.00	4.76				
		93	6415		5.00	4.80				
		1	5955		5.00	4.82				
	802.11ax20-HE0	45	6175	MCS0	5.00	4.76				
		93	6415		5.00	4.87				
	802.11n40-HT0	3	5965		8.00	7.84				
		43	6165	MCS0	8.00	7.78				
		91	6405		8.00	7.98				
U-NII-5		3	5965		8.00	7.86				
6.2GHz	802.11ax40-HE0	43	6165	MCS0	8.00	7.86				
0.20112		91	6405		8.00	7.80				
		7	5985		11.00	10.74				
	802.11ac80-VHT0	39	6145	MCS0	11.00	10.84				
		87	6385		11.00	10.82				
		7	5985		11.00	10.77				
	802.11ax80-HE0	39	6145	MCS0	11.00	10.93				
		87	6385		11.00	10.74				
		15	6025		13.50	13.49				
	802.11ac160-VHT0	47	6185	MCS0	13.50	13.47				
		79	6345		13.50	13.41				
		15	6025		13.50	13.32				
	802.11ax160-HE0	47	6185	MCS0	13.50	13.30				
		79	6345		13.50	13.22				

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

t (886-2) 2299-3279

Onless other was stated the results shown in this test report relief only to the samples have trained in a bury samples are trained and the bury samples a Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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



Report No.: TESA2206000138EN Page: 42 of 104

			Aux			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		97	6435		5.00	4.84
	802.11a	105	6475	6Mbps	5.00	4.91
		113	6515		5.00	4.83
		97	6435		5.00	4.78
	802.11n20-HT0	105	6475	MCS0	5.00	4.80
		113	6515		5.00	4.91
	802.11ax20-HE0	97	6435	MCS0	5.50	5.41
		105	6475		5.50	5.44
U-NII-6		113	6515		5.50	5.40
6.5GHz	802.11n40-HT0	99	6445	MCS0	8.50	8.39
0.5GHZ	002.11140-010	107	6485	101030	8.50	8.30
	802.11ax40-HE0	99	6445	MCS0	8.50	8.37
	002.11ax40-11E0	107	6485	101030	8.50	8.28
	802.11ac80-VHT0	103	6465	MCS0	10.50	10.42
	002.11800-1110	119	6545	101030	10.50	10.39
	802.11ax80-HE0	103	6465	MCS0	11.00	10.81
		119	6545	IVICOU	11.00	10.84
	802.11ac160-VHT0	111	6505	MCS0	13.50	13.48
	802.11ax160-HE0	111	6505	MCS0	13.50	13.41

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

t (886-2) 2299-3279

Onless other was stated the results shown in this test report relief only to the samples have trained in a bury samples are trained and the bury samples a Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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



Report No.: TESA2206000138EN Page: 43 of 104

			Aux			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		117	6535		5.00	4.80
	802.11a	149	6695	6Mbps	5.00	4.86
		181	6855		5.00	4.83
		117	6535		5.00	4.90
	802.11n20-HT0	149	6695	MCS0	5.00	4.77
		181	6855		5.00	4.90
		117	6535		5.50	5.21
	802.11ax20-HE0	149	6695	MCS0	5.50	5.41
		181	6855		5.50	5.22
		115	6525		8.50	8.43
	802.11n40-HT0	147	6685	MCS0	8.50	8.28
U-NII-7		179	6845		8.50	8.35
6.7GHz		115	6525		8.50	8.35
0.7 0112	802.11ax40-HE0	147	6685	MCS0	8.50	8.43
		179	6845		8.50	8.40
		135	6625		11.00	10.84
	802.11ac80-VHT0	151	6705	MCS0	11.00	10.90
		167	6785		11.00	10.87
		135	6625		11.00	10.89
	802.11ax80-HE0	151	6705	MCS0	11.00	10.82
		167	6785		11.00	10.90
	802.11ac160-VHT0	143	6665	MCS0	13.50	13.42
		175	6825	10000	13.50	13.46
	802.11ax160-HE0	143	6665	MCS0	13.50	13.36
		175	6825	10000	13.50	13.39

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

t (886-2) 2299-3279

Onless other was stated the results shown in this test report relief only to the samples have trained in a bury samples are trained and the bury samples a Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

台灣檢驗科技股份有限公司

f (886-2) 2298-0488



Report No.: TESA2206000138EN Page: 44 of 104

	Aux										
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)					
		185	6875		5.00	4.78					
	802.11a	209	6995	6Mbps	5.00	4.83					
		233	7115		5.00	4.90					
		185	6875		5.00	4.98					
	802.11n20-HT0	209	6995	MCS0	5.00	4.87					
		233	7115		5.00	4.80					
	802.11ax20-HE0	185	6875		5.50	5.27					
		209	6995	MCS0	5.50	5.34					
		233	7115		5.50	5.41					
U-NII-8	802.11n40-HT0	187	6885	MCS0	8.50	8.44					
7.0GHz	002.11140-1110	227	7085	10030	8.50	8.25					
7.00112	802.11ax40-HE0	187	6885	MCS0	8.50	8.38					
	002.11aA40-11L0	227	7085	101030	8.50	8.33					
		183	6865		10.50	10.28					
	802.11ac80-VHT0	199	6945	MCS0	10.50	10.36					
		215	7025		10.50	10.26					
		183	6865		11.00	10.85					
	802.11ax80-HE0	199	6945	MCS0	11.00	10.85					
		215	7025		11.00	10.91					
	802.11ac160-VHT0	207	6985	MCS0	13.50	13.48					
	802.11ax160-HE0	207	6985	MCS0	13.50	13.32					

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

t (886-2) 2299-3279

Onless other was stated the results shown in this test report relief only to the samples have trained in a bury samples are trained and the bury samples a Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

```
www.sgs.com.tw
```



6.3 **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		10.14		9.63		9.57
BR/EDR	CH 39	2441	11.50	10.37	11.00	9.76	11.00	9.66
	CH 78	2480		10.43		9.88		9.72

6.4 BLE

Mada	Mode Channel Frequ		GFSK			
Mode	Channel	(MHz)	Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)		
	CH 00	2402		8.76		
BLE_1M	CH 19	2440	10	9.02		
	CH 39	2480		9.07		
		Frequency	GFSK			
Mada	Channel	Frequency	(GFSK		
Mode	Channel	Frequency (MHz)	Max. Rated Avg.Power + Max. Tolerance (dBm)	GFSK Average Output Power (dBm)		
Mode	Channel CH 00		Max. Rated Avg.Power			
Mode BLE_2M		(MHz)	Max. Rated Avg.Power	Average Output Power (dBm)		

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 台灣檢驗科技股份有限公司

f (886-2) 2298-0488

www.sgs.com.tw



Report No.: TESA2206000138EN Page: 46 of 104

2.4G b duty	(8.	22/8.40=0.9	78) Scaliı	ng Factor=	1.022
				N	lkr3 13.62 ms
10 dB/div Ref -10.00	dBm				-31.55 dBm
-20.0	1		1	3	
-30.0					
-40.0					
-60.0					
-70.0					
-80 d					
90.0					
-100					
Center 2.412000000 G		1 2 0 kU-		C	Span 0 Hz
Res BW 6 MHz		V 3.9 kHz	FUNCTION	FUNCTION WIDTH	00 ms (1001 pts)
1 N 1 t	× 5.220 ms	-32.72 dBm	FUNCTION	TONCTION WIDTH	TUNCTION VALUE
2 N 1 t 3 N 1 t	13.44 ms 13.62 ms	-31.06 dBm -31.55 dBm			
4 5					
6 7					
9					
10					
12					
2.4G BT duty	(2	86/3.74=0.7	(64) Scaliu	na Eactor=	1 300
2.40 D1 ddty	(2.	00/0.7 -0.7			Mkr3 12.64 m
10 dB/div Ref -19.00	dBm				-39.04 dBn
-29 ti		1	×2 ×3		
-39.0		\$ ¹	$\wedge^2 \diamond^3$		[]
-49.0					
-59.0					
-69.0			Head		en Vaa
-79.0					
.99.0					
-109					
Center 2.402000000 G	Hz				Span 0 H
Res BW 8 MHz		W 62 kHz		Sweep 20	0.00 ms (1001 pts
MKR MODE TRC SCL	×	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1 N 1 t 2 N 1 t	8.900 ms 11.76 ms	-39.28 dBm -38.97 dBm			
3 N 1 t	12.64 ms	-39.04 dBm			
5 6					
7 8					
9					

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

t (886-2) 2299-3279 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

www.sgs.com.tw



Report No.: TESA2206000138EN Page: 47 of 104

5G n((40M) duty	/ (3.8	865/3.988=0	.969) Sca		
10 dB/div	Ref -25.0	0 dBm				Mkr3 10.00 ms -46.30 dBm
-35.0						
-45.0		$\langle 1 \rangle$		3		······································
-55.0						
-65 0						
-85 0						
95.0						
-105						
-115						
Center 5 Res BW	.230000000 8 MHz		3W 8.2 kHz		Sweep 17	Span 0 Hz 73 ms (1001 pts)
MKR MODE 1		×	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1 N 2 N	1 t 1 t	6.012 ms 9.877 ms	-45.79 dBm -45.86 dBm			
3 N 4	1 t	10.00 ms	-46.30 dBm			
5 6						
7 8						
9 10						
11 12						
5G ac	(80M) dut	y (3	.884/4.043=0).96) Sca		
o dB (div	Ref -29.00	dBm				Vlkr3 8.884 ms -51.16 dBm
0 dB/div .og 39.0	NGL Z					
49.0		\Diamond^1	3			
59 0		عمد کر کھی ا				
69 0		مر میں اور				
79 D						
89 D. 99.D.						
-109						
-119						
	210000000					Span 0 Hz
tes BW 8			W 8.2 kHz			.73 ms (1001 pts)
I N 1	t	× 4.841 ms	ې -51.40 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
2 N 1 3 N 1		8.725 ms 8.884 ms	-50.33 dBm -51.16 dBm			
4						
6 7						
8						
10						
12						

t (886-2) 2299-3279

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



Report No.: TESA2206000138EN Page: 48 of 104

6E ac			29.00 0	iBm	(0.0				aling Fa		lkr3 9.	310 m 49 dBr
39.0					<u>1</u>		1 3	3				
59.0 59.0	1			*******	******			***			*****	
9.0												
19.0. 19.0												
109												
enter es BW			0000 G	Hz	#VB	N 8.2 kHz	_		Sweep	o 17.7	S 73 ms (pan 0 H 1001 pt
KR MODE	TRC	SCL		×		Ŷ		FUNCTION	FUNCTION W	IDTH	FUNCTIO	IN VALUE
1 N 2 N 3 N 4	1 1 1	t t t		9	.285 ms .186 ms .310 ms	-53.76 d -52.44 d -53.49 d	Bm					
5 6 7												
8							ا ا ک					
1												

t (886-2) 2299-3279

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



SUMMARY OF RESULTS 7

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

Mode	Antenna	Position	Distance	СН	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	ID
Mode	Antenna	Position	(mm)	Ch	(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	D
WLAN 802.11b	Main	Back Surface	0	6	2437	21.00	20.98	1.022	100.46%	0.016	0.016	-
WLAN 802.11b	Main	Top Edge	0	6	2437	21.00	20.98	1.022	100.46%	0.004	0.004	-
WLAN 802.11b	Main	Bottom Edge	0	6	2437	21.00	20.98	1.022	100.46%	0.001	0.001	-
WLAN 802.11b	Main	Right Edge	0	1	2412	21.00	20.96	1.022	100.93%	0.061	0.063	-
WLAN 802.11b	Main	Right Edge	0	6	2437	21.00	20.98	1.022	100.46%	0.062	0.063	001
WLAN 802.11b	Main	Right Edge	0	11	2462	21.00	20.97	1.022	100.69%	0.057	0.058	
WLAN 802.11b	Main	Left Edge	0	6	2437	21.00	20.98	1.022	100.46%	0.001	0.001	-
Mode	Antenna	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg) Reported	ID
WLAN 802.11n(40M) 5.2G	Main	Back Surface	0	46	5230	21.00	20.98	1.032	100.46%	0.332	0.344	
WLAN 802.11n(40M) 5.2G	Main	Top Edge	0	46	5230	21.00	20.98	1.032	100.46%	0.042	0.043	
WLAN 802.11n(40M) 5.2G	Main	Bottom Edge	0	40	5230	21.00	20.98	1.032	100.46%	0.042	0.045	
WLAN 802.11n(40M) 5.2G	Main	Right Edge	0	38	5190	18.25	18.17	1.032	101.86%	0.523	0.550	
WLAN 802.11n(40M) 5.2G	Main	Right Edge	0	46	5230	21.00	20.98	1.032	100.46%	1.100	1.140	002
WLAN 802.11n(40M) 5.2G	Main	Right Edge*	0	40	5230	21.00	20.98	1.032	100.46%	1.080	1.140	-
WLAN 802.11n(40M) 5.2G	Main	Left Edge	0	46	5230	21.00	20.98	1.032	100.46%	0.011	0.011	
Mode	Antenna	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Measured	over 1g (W/kg) Reported	ID
WLAN 802.11n(40M) 5.3G	Main	Back Surface	0	54	5270	21.00	20.98	1.032	100.46%	0.364	0.377	-
WLAN 802.11n(40M) 5.3G	Main	Top Edge	0	54	5270	21.00	20.98	1.032	100.46%	0.048	0.050	-
WLAN 802.11n(40M) 5.3G	Main	Bottom Edge	0	54	5270	21.00	20.98	1.032	100.46%	0.012	0.013	-
WLAN 802.11n(40M) 5.3G	Main	Right Edge	0	54	5270	21.00	20.98	1.032	100.46%	1.030	1.068	003
WLAN 802.11n(40M) 5.3G	Main	Right Edge	0	62	5310	16.50	16.49	1.032	100.23%	0.336	0.348	-
WLAN 802.11n(40M) 5.3G	Main	Right Edge*	0	54	5270	21.00	20.98	1.032	100.46%	1.010	1.047	-
WLAN 802.11n(40M) 5.3G	Main	Left Edge	0	54	5270	21.00	20.98	1.032	100.46%	0.002	0.002	
Mode	Antenna	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	ID
WLAN 802.11ac(80M) 5.6G	Main	Back Surface	0	138	5690	21.00	20.99	1.042	100.23%	0.325	0.339	
WLAN 802.11ac(80M) 5.6G	Main	Top Edge	0	138	5690	21.00	20.99	1.042	100.23%	0.053	0.055	-
WLAN 802.11ac(80M) 5.6G	Main	Bottom Edge	0	138	5690	21.00	20.99	1.042	100.23%	0.009	0.010	-
WLAN 802.11ac(80M) 5.6G	Main	Right Edge	0	138	5690	21.00	20.99	1.042	100.23%	0.641	0.669	004
WLAN 802.11ac(80M) 5.6G	Main	Left Edge	0	138	5690	21.00	20.99	1.042	100.23%	0.001	0.001	
Mode	Antenna	Position	Distance	СН	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power		over 1g (W/kg)	ID
			(mm)		(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	
WLAN 802.11n(40M) 5.8G	Main	Back Surface	0	151	5755	21.00	20.98	1.032	100.46%	0.267	0.277	-
WLAN 802.11n(40M) 5.8G	Main	Top Edge	0	151	5755	21.00	20.98	1.032	100.46%	0.039	0.040	-
WLAN 802.11n(40M) 5.8G	Main	Bottom Edge	0	151	5755	21.00	20.98	1.032	100.46%	0.008	0.008	-
WLAN 802.11n(40M) 5.8G	Main	Right Edge	0	151	5755	21.00	20.98	1.032	100.46%	0.487	0.505	005
WLAN 802.11n(40M) 5.8G	Main	Left Edge	0	151	5755	21.00	20.98	1.032	100.46%	0.005	0.005	

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

t (886-2) 2299-3279

Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

台灣檢驗科技股份有限公司

f (886-2) 2298-0488



Report No.: TESA2206000138EN Page: 50 of 104

Mode	Antenna	Position	Distance	СН	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	ID
Mode	Antenna	Position	(mm)	СН	(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	U
WLAN 802.11b	Aux	Back Surface	0	6	2437	21.00	20.99	1.022	100.23%	0.015	0.015	-
WLAN 802.11b	Aux	Top Edge	0	1	2412	21.00	20.97	1.022	100.69%	0.133	0.137	006
WLAN 802.11b	Aux	Top Edge	0	6	2437	21.00	20.99	1.022	100.23%	0.114	0.117	-
WLAN 802.11b	Aux	Top Edge	0	11	2462	21.00	20.98	1.022	100.46%	0.103	0.106	-
WLAN 802.11b	Aux	Bottom Edge	0	6	2437	21.00	20.99	1.022	100.23%	0.003	0.003	-
WLAN 802.11b	Aux	Right Edge	0	6	2437	21.00	20.99	1.022	100.23%	0.001	0.001	-
WLAN 802.11b	Aux	Left Edge	0	6	2437	21.00	20.99	1.022	100.23%	0.002	0.002	-
Mode	Antenna	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg) Reported	ID
		D 10 (0	70	0400	44.50	10.10	4.000	107.04%	0.005	0.000	
Bluetooth(GFSK)	Aux	Back Surface	0	78	2480	11.50	10.43	1.309	127.94% 127.94%	0.005	0.008	-
Bluetooth(GFSK)	Aux	Top Edge	0		2480	11.50	10.43	1.309		0.022	0.037	007
Bluetooth(GFSK)	Aux	Bottom Edge	0	78	2480	11.50	10.43	1.309	127.94%	0.000	0.000	-
Bluetooth(GFSK)	Aux	Right Edge	0	78	2480	11.50	10.43	1.309	127.94%	0.000	0.000	-
Bluetooth(GFSK)	Aux	Left Edge	0	78	2480	11.50	10.43	1.309	127.94%	0.001	0.002	-
Mode	Antenna	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling		SAR over 1g /kg) Reported	ID
WLAN 802.11n(40M) 5.2G	Aux	Back Surface	0	46	5230	21.00	20.97	1.032	100.69%	0.058	0.060	
WLAN 802.11n(40M) 5.2G	Aux	Top Edge	0	46	5230	21.00	20.97	1.032	100.69%	0.271	0.282	008
WLAN 802.11n(40M) 5.2G	Aux	Bottom Edge	0	46	5230	21.00	20.97	1.032	100.69%	0.004	0.004	-
WLAN 802.11n(40M) 5.2G	Aux	Right Edge	0	46	5230	21.00	20.97	1.032	100.69%	0.008	0.008	-
WLAN 802.11n(40M) 5.2G	Aux	Left Edge	0	46	5230	21.00	20.97	1.032	100.69%	0.001	0.001	
Mode	Antenna	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	ID
WLAN 802.11n(40M) 5.3G	Aux	Back Surface	0	54	5270	21.00	20.98	1.032	100.46%	0.053	0.055	
WLAN 802.11n(40M) 5.3G	Aux	Top Edge	0	54	5270	21.00	20.98	1.032	100.46%	0.033	0.055	009
WLAN 802.11n(40M) 5.3G	Aux	Bottom Edge	0	54	5270	21.00	20.98	1.032	100.46%	0.242	0.008	-
WLAN 802.11n(40M) 5.3G	Aux	Right Edge	0	54	5270	21.00	20.98	1.032	100.46%	0.007	0.000	-
WLAN 802.11n(40M) 5.3G	Aux	Left Edge	0	54	5270	21.00	20.98	1.032	100.46%	0.002	0.002	
Mode	Antenna	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling		over 1g (W/kg)	ID
WLAN 802.11ac(80M) 5.6G	Aux	Back Surface	0	138	5690	21.00	20.96	1.042	100.93%	0.099	0.105	-
	Aux	Top Edge	0	122	5610	21.00	20.94	1.042	101.39%	0.807	0.853	-
WLAN 802.11ac(80M) 5.6G										0.866	0.911	010
WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G	Aux	Top Edge	0	138	5690	21.00	20.96	1.042	100.93%			
WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G	Aux Aux	Top Edge*	0	138	5690	21.00	20.96	1.042	100.93%	0.842	0.885	-
WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G	Aux Aux Aux	Top Edge* Bottom Edge	0	138 138	5690 5690	21.00 21.00	20.96 20.96	1.042 1.042	100.93% 100.93%	0.842 0.012	0.885 0.013	-
WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G	Aux Aux Aux Aux	Top Edge* Bottom Edge Right Edge	0 0 0	138 138 138	5690 5690 5690	21.00 21.00 21.00	20.96 20.96 20.96	1.042 1.042 1.042	100.93% 100.93% 100.93%	0.842 0.012 0.012	0.885 0.013 0.013	
WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G	Aux Aux Aux	Top Edge* Bottom Edge	0	138 138	5690 5690	21.00 21.00	20.96 20.96	1.042 1.042	100.93% 100.93%	0.842 0.012	0.885 0.013	-
WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G	Aux Aux Aux Aux	Top Edge* Bottom Edge Right Edge	0 0 0	138 138 138	5690 5690 5690	21.00 21.00 21.00	20.96 20.96 20.96	1.042 1.042 1.042	100.93% 100.93% 100.93%	0.842 0.012 0.012 0.003	0.885 0.013 0.013	-
WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G MLAN 802.11ac(80M) 5.6G	Aux Aux Aux Aux Aux Aux	Top Edge* Bottom Edge Right Edge Left Edge Position	0 0 0 Distance (mm)	138 138 138 138 CH	5690 5690 5690 5690 Freq. (MHz)	21.00 21.00 21.00 21.00 Max. Rated Avg. Power + Max. Tolerance (dBm)	20.96 20.96 20.96 20.96 Measured Avg. Power (dBm)	1.042 1.042 1.042 1.042 Duty cycle scaling	100.93% 100.93% 100.93% 100.93% Power scaling	0.842 0.012 0.012 0.003 Averaged SAR Measured	0.885 0.013 0.013 0.003 cover 1g (W/kg) Reported	-
WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G Mode WLAN 802.11ac(80M) 5.8G	Aux Aux Aux Aux Aux Antenna	Top Edge* Bottom Edge Right Edge Left Edge Position Back Surface	0 0 0 Distance (mm)	138 138 138 138 CH CH	5690 5690 5690 5690 Freq. (MHz) 5795	21.00 21.00 21.00 21.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 21.00	20.96 20.96 20.96 20.96 Measured Avg. Power (dBm) 20.98	1.042 1.042 1.042 1.042 Duty cycle scaling	100.93% 100.93% 100.93% 100.93% Power scaling 100.46%	0.842 0.012 0.012 0.003 Averaged SAR Measured 0.089	0.885 0.013 0.013 0.003 . over 1g (W/kg) Reported 0.092	- - - ID
WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G Mode WLAN 802.11n(40M) 5.8G WLAN 802.11n(40M) 5.8G	Aux Aux Aux Aux Aux Aux Aux Aux	Top Edge* Bottom Edge Right Edge Left Edge Position Back Surface Top Edge	0 0 0 Distance (mm) 0 0	138 138 138 138 138 CH 159 159	5690 5690 5690 5690 Freq. (MHz) 5795 5795	21.00 21.00 21.00 21.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 21.00 21.00	20.96 20.96 20.96 20.96 Avg. Power (dBm) 20.98 20.98	1.042 1.042 1.042 1.042 Duty cycle scaling 1.032 1.032	100.93% 100.93% 100.93% 100.93% Power scaling 100.46% 100.46%	0.842 0.012 0.012 0.003 Averaged SAR Measured 0.089 0.421	0.885 0.013 0.003 . over 1g (W/kg) Reported 0.092 0.436	- - ID - 011
WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G Mode WLAN 802.11ac(80M) 5.8G	Aux Aux Aux Aux Aux Antenna	Top Edge* Bottom Edge Right Edge Left Edge Position Back Surface	0 0 0 Distance (mm)	138 138 138 138 CH CH	5690 5690 5690 5690 Freq. (MHz) 5795	21.00 21.00 21.00 21.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 21.00	20.96 20.96 20.96 20.96 Measured Avg. Power (dBm) 20.98	1.042 1.042 1.042 1.042 Duty cycle scaling	100.93% 100.93% 100.93% 100.93% Power scaling 100.46%	0.842 0.012 0.012 0.003 Averaged SAR Measured 0.089	0.885 0.013 0.013 0.003 . over 1g (W/kg) Reported 0.092	- - - ID

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

t (886-2) 2299-3279

Onless other was stated the results shown in this test report relief only to the samples have trained in a bury samples are trained and the bury samples a Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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
```



Report No.: TESA2206000138EN Page: 51 of 104

WIFI 6E

Math. Math. <th< th=""><th>Main</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<>	Main													
Noce Partial												Measured	Reported	
Mat. Partner Matr. Partner Matr.					-	Max. Rated Avg.	Measured		-	Averaged SAR	over 1g (W/kg)	Estimated		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Mode	Position		СН		Power + Max.	Ava, Power					APD	APD	ID
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			(mm)		(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Manager	Dependent	W/m^2	W/m^2	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $. ,	. ,			Measured	керопеа	(4cm ²)	(4cm^2)	
Link is Second is a link in a li	LLNIL-5.6.2GHz802.11ac(160M)	Back Surface	0	15	6025	13.50	13.48	1.032	100.46%	0.020	0.021			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	LI-NIL-5 6 2GHz802 11ac(160M)	Top Edge			6025									
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $														-
United Service 1. and 2000. Tar. 0.101 1.021 1.021 1.021 1.021 1.021 1.021 1.021 1.021 1.021 1.021 1.021 1.021 0.021														
Line 4.2 bit bits 1 unition Line (both interval) Line (both interval) <thline (both="" interval)<="" th=""> <thlin< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>012</td></thlin<></thline>														012
Node Poster (mm) Chi Image Static Arg (Mar) Massing Arg (Mar) <td>U-NII-5 6.2GHz802.11ac(160M)</td> <td>Left Edge</td> <td>0</td> <td></td> <td>-</td>	U-NII-5 6.2GHz802.11ac(160M)	Left Edge	0											-
Mode Product Database Cont Mail			-											
Mode Product Database Cont Mail												Measured	Reported	
Mode Packer Uppnin CH Media Packer Mark Approx Approx </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>Max. Rated Avg.</td> <td>Measured</td> <td></td> <td></td> <td>Averaged SAR</td> <td>over 1g (W/kg)</td> <td></td> <td></td> <td></td>						Max. Rated Avg.	Measured			Averaged SAR	over 1g (W/kg)			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Mode	Position		СН										ID
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			(mm)		(MHz)		(dBm)	scaling	scaling					
Dial 2 4 2000000000000000000000000000000000						. ,	. ,			Measured	керопеа	(4cm ²)	(4cm^2)	
Dial 2 4 2000000000000000000000000000000000	11 NIL 6 6 5CH-902 11 co(160M)	Rock Surface	0	111	6505	12.50	12.46	1.022	100.02%	0.020	0.021	0.201	0.200	
UH14 5 Deleted incided Part of Section 1 (2000) Part of Section 1 (2000)														-
Little 6.6 bester interination Little 6.6 bester 1.6 bes		Pottom Edge			6505							0.003		
UHIE 550:9002 15:0001 Unit 1000 Unit 500: 1320 1320														- 012
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		Right Edge		111						0.060				013
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	0-NII-0 0.3012002.112(100M)	Len Luge	0		0303	13.30	13.40	1.032	100.9376	0.002	0.002	0.023	0.024	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$													Durated	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$										Averaged SAR	over 1a (W/ka)			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			Distance	011	Freq.			Duty cycle	Power			Estimated	Estimated	10
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Mode	Position		CH										U
UNI-17 Chereits (11:000 bits 2: 0 Data Sefare 0 143 6685 13.00 13.40 15.02 10.02 0.033 0.034 0.041 0.044 0.041			. ,		. ,	I olerance (dBm)	(dBm)	Ŭ	Ŭ,	Measured	Reported			
UNI-1 & Compart (1100) Top Egg. 0 133 6656 1330 1340 1027 10221 10341 0011 00111 0011 0011												. ,	. ,	
$ \begin{array}{c With a registration of the product of the$	U-NII-7 6.7GHz802.11ac(160M)				6665	13.50	13.49	1.032	100.23%	0.033	0.034	0.237	0.245	-
UNI-05 Openands Default		Top Edge												-
UNI-19-276-8802 Lue Region Del tene Hoo	U-NII-7 6.7GHz802.11ac(160M)			143	6665	13.50	13.49	1.032	100.23%	0.001	0.001	0.014	0.014	-
Note Description Description Number Among		Right Edge												014
Mode Peaking Datament (mm) CH Frag. (MH) Mace: Hard Ang. Description Measured scaling Description Peaking Measured (mm) <	U-NII-7 6.7GHz802.11ac(160M)	Left Edge	0	143	6665	13.50	13.49	1.032	100.23%	0.001	0.001	0.011	0.011	-
Mode Peaking Datament (mm) CH Frag. (MH) Mace: Hard Ang. Description Measured scaling Description Peaking Measured (mm) <														
Mode Position Difference (Rm) CH (Proc. r) (Proc. r) Diff of early rest. Ch APD ID APD ID UNIE 3 5500072 (1101000) Bard Surface 0 207 6955 13.50 13.40 1322 10022 0022% 0.001 0.011 0.001 0.011 0.001 0.011 0.001 0.011 0.001 0.0111 0.0111 0.0111												Measured	Reported	
Mode Peaktion Original (mm) CH (PMg) (PMg) (PMg) (PMg					-	Max. Rated Avg.	Measured	- · · ·	_	Averaged SAR	over 1g (W/kg)	Estimated	Estimated	
Image: control of the state of the	Mode	Position		СН			Ava, Power					APD	APD	ID
Link 14 Description Description <thdescription< th=""> <thdescription< th=""> <th< td=""><td></td><td></td><td>(mm)</td><td></td><td>(MHz)</td><td></td><td>(dBm)</td><td>scaling</td><td>scaling</td><td></td><td></td><td>W/m^2</td><td>W/m*2</td><td></td></th<></thdescription<></thdescription<>			(mm)		(MHz)		(dBm)	scaling	scaling			W/m^2	W/m*2	
U-NI-87 201-2012 U-NI-87 201-2012<							()			Measured	Reported			
$ \begin{array}{c \mbox{Mid} 2 0.56662.11 \mbox{Mid} 2 0.5666.21 \mbox{Mid} $	11 NIL 0 7 OCU-000 44(460M)	Deels Curfeee	0	207	6005	12.50	12.40	4.022	400.000/	0.020	0.024		· · /	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $									100.23%					-
UNIE 7.000-0602 11se(160M) Port Edge 0 207 9685 13.50 13.49 10.32 10.22% 0.087 0.069 0.513 0.513 0.51 0.02 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.023 0.016 <														-
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $														-
Aux Image: Control of the stand of the stan	U-NII-8 7.0GHZ802.11ac(160M)	Right Edge		207					100.23%				0.531	015
Mode Datance (mm) Datance (mm) CH Freq. (MeV) Max. Rade Avg (MeV) Measured (mescaling) Duty cycle scaling Points (mescaling) Averaged SAR over 1g (Wrlg) Measured APD (Wrlg) Resured APD (Wrlg) Resured		Lett Edge	0	207	6985	13.50	13.49	1.032	100.23%	0.002	0.002	0.024	0.025	-
Mode Dealton (mm) CH Find, Door 1 Max Max Red Arg, Power (MM) Duty cycle (MM) Power (MM) Areaged SAR over 1g (MM) App Area D App Area	Aux												-	
Mode Position Delance (mm) CH Free, (MH) Prover (MH) Dury cycle scaling Power scaling Dury cycle scaling Power scaling Dury cycle (MH) Power (MH) Dury cycle (MH) Power scaling Dury cycle scaling Power scaling Dury cycle (MH) Power (MH) Dury cycle (MH) Power scaling Dury cycle (MH) Power scaling Dury cycle (MH) Power (MH) Dury cycle (MH) Power scaling Dury cycle (MH) Power (MH) Dury cycle (MH) Power (MH) Dury cycle (MH) Dury cycle (MH) Dury cycle (MH) Power (MH) Dury cycle (MH)										Averaged SAR	over 1a (W/ka)			
Mode Possibility (M+E) Prove Totamon (MB) (EBM) Mode (EBM) scaling (EBM) scaling scaling scaling Measured (Men2) Multiple (Men2) Multiple			Distance		Freq.	Max. Rated Avg.		Duty cycle	Power	Averaged OAIX	over ig (wing)			
Control Control Tolerance (dBm) (dBm) Control Measured Reported Wim2 (dem2) Wim2 (dem2) LANIS 6 20168021 tot11000 Bark Grado 0 15 6025 13.60 13.60 10.22% No 0.16 0.017 0.101 0.104 - LANIS 6 20168021 tot11000 Bark Grado 0 15 6025 13.80 13.44 10.32 100.25% 0.016 0.017 0.013 0.049 - LNIS 6 20168021 tot11000 Borton Edge 0 15 6025 13.30 13.49 10.32 100.25% 0.005 0.005 0.028 0.027 - LNIS 6 20168021 tot1000 Borton Edge 0 15 6025 13.50 13.49 1.032 100.25% 0.006 0.006 0.028 0.027 - LNIS 6 20168021 tot1000 Borton Edge 0 111 6505 13.50 13.48 10.32 100.46% 0.046 0.047 0.258 0.278 -	Mode	Position		CH			Avg. Power							ID
Link 5.6 Scheboz 11ac1(50M) Bask Surface 0 15 6025 13.50 13.49 1.032 100.23% 0.016 0.017 0.446 0.427 (4cm/2) LNN 5.6 Scheboz 11ac1(50M) Top Edge 0 15 6025 13.50 13.49 1.032 100.23% 0.016 0.017 0.466 0.472 0.16 LNN 5.6 Scheboz 11ac1(50M) Both 55ge 0 13.49 1.032 100.23% 0.005 0.005 0.003 0.0046 0.004 0.004			()		(111 2)	Tolerance (dBm)	(dBm)	oodaanig	oodaanig	Measured	Reported			
U-NII-6 5.25H:802 11ar(160h) Top Edge Top Edge (M1+5 6.25H:802 11ar(160h) On 247 Enter 6.25H:802 11ar(160h) O.047 Enter 6.25H:802 11ar(160h) O.048 Enter 6.25H:802 11ar(160h) O.048 O.028 Enter 6.25H:802 11ar(160h) O.048 O.048 O.048 O.049 O.048 O.047 O.048 O.047 O.048 O.047 O.048 O.047 O.048 O.047 O.048 O.042 O.044 O.048 <										mododrod	rioponou	(4cm ²)	(4cm^2)	
U-NII-6 SCAH-802 11ar(1600) Top Edge biolom Edge biolom Edge 0 0 47 6165 15 13.47 1.032 100.03% 1.032% 0.141 0.147 0.443 0.876 016 U-NII-6 SCH-802 11ar(1600) Right Edge 0 15 6025 13.49 1.032 100.23% 0.006 0.006 0.028 0.006 0.028 0.028 0.006 0.028 0.006 0.028 0.006 0.028 0.006 0.028 0.006 0.028 <td< td=""><td></td><td>Back Surface</td><td></td><td></td><td>6025</td><td></td><td>13.49</td><td>1.032</td><td>100.23%</td><td></td><td></td><td>0.101</td><td>0.104</td><td>-</td></td<>		Back Surface			6025		13.49	1.032	100.23%			0.101	0.104	-
U-NI-6 5.2 GA:B202.11ac(160M) Bottom Edge 0 15 6025 13.40 1.032 1.002.3% 0.005 0.005 0.038 0.039 - U-NI-5 5.2GH:8002.11ac(160M) Left Edge 0 15 6025 13.40 1.032 1.00.23% 0.005 0.005 0.028 0.027 - Mode Position Detance (mm) CH Freq. (MHz) Max. Rated Avg. Power + Max. Measured (Bm) Duy cycle scaling Power Averaged SAR over 1g (W/kg) Measured APD Measured APD Measured (dm/r)	U-NII-5 6.2GHz802.11ac(160M)				6025	13.50	13.49	1.032	100.23%	0.074	0.077	0.456	0.472	-
U-NI-5 6.2 GHz802 11ac(100M) Right Edge 0 15 6025 13.50 13.49 1.032 100.23% 0.003 0.028 0.027 . Mode Position Detance (mm) CH 6025 13.50 13.49 1.032 100.23% 0.003 0.003 0.028 0.049 0.061 . Mode Position Detance (mm) CH Freq. (MHz) Max. Rated Avg. Tolerance (dBm) Measured Avg. Power + Max. Tolerance (dBm) Duty cycle scaling Averaged SAR over 1g (W/kp) Measured APD W/m2 Reported Estimated APD W/m2 Reported APD W/m2 Reported APD W/m2 Reported Estimated APD W/m2 Reported APD W/m2 Reported Estimated APD W/m2 Reported APD W/m2 Reported APD W/m2 Reported APD W/m2 Reported APD W/m2 Reported APD W/m2 Reported APD W/m2 Reported APD W/m2 Reported APD W/m2 Reported APD W/m2 Reported		Top Edge	0				13.47			0.141			0.876	016
Li-Ni-5 6 2GH-2802.11ac(160M) Left Edge 0 15 6025 13.50 13.49 1.032 10023% 0.006 0.006 0.049 0.051 . Mode Position Distance (mm) CH Freq. (M+2) Max. Rated Avg. Power + Max. Tolerance (dBm) Measured (dBm) Averaged SAR over 1g (W/g) Measured APD (W/m2) App (W/m2) App (W/m2) App (W/m2) Measured (dmm2) App (W/m2) App (W/m2) <td>U-NII-5 6.2GHz802.11ac(160M)</td> <td>Bottom Edge</td> <td>0</td> <td>15</td> <td>6025</td> <td>13.50</td> <td>13.49</td> <td>1.032</td> <td>100.23%</td> <td>0.005</td> <td>0.005</td> <td>0.038</td> <td>0.039</td> <td>-</td>	U-NII-5 6.2GHz802.11ac(160M)	Bottom Edge	0	15	6025	13.50	13.49	1.032	100.23%	0.005	0.005	0.038	0.039	-
U-NI-5 6.2GHz802.11ac(160M) Left Edge 0 15 6025 13.50 13.49 1.032 100.23% 0.006 0.006 0.049 0.051 - Mode Position Distance (mm) CH Freq. (M+c) Max. Rated Arg. Power + Max. Totrance (Bfm) Measured (M+c) Power (M+c) Averaged SAR over 1g (W/a) Measured APD (Wm2) Reported (4cm2) Reported (4cm2)<	U-NII-5 6.2GHz802.11ac(160M)	Right Edge	0	15	6025	13.50	13.49	1.032	100.23%	0.003	0.003	0.026	0.027	-
Mode Position Distance (mm) CH Freq. (MHz) Max. Rated Arg. (MHz) Measured (dBm) Duty cycle scaling Power scaling Averaged SAR over 1g (Wkg) Estimated APD Estimate	U-NII-5 6.2GHz802.11ac(160M)	Left Edge	0	15	6025	13.50	13.49	1.032	100.23%	0.006	0.006	0.049	0.051	-
Mode Position Distance (mm) CH Freq. (MHz) Max. Rated Arg. (MHz) Measured (dBm) Duty cycle scaling Power scaling Averaged SAR over 1g (Wkg) Estimated APD Estimate														
Mode Position Distance (mm) CH Freq. (M+z) Power + Max Tolerance (dBm) Avg. Power (dBm) Duty cycle scaling Power scaling Scaling CH Reported (dBm) Map (dBm) Power (dBm) Duty cycle scaling Power scaling Freq. (dBm) Duty cycle scaling Power scaling Power scaling Limit = 55 (0.45%) Distance (dBm) CH Power (dBm) Duty cycle (dBm) Power scaling Power scaling Power scaling Power scaling Power scaling Power scaling Power scaling												Measured	Reported	
Mode Position (mm) CH (Mtc) Power Max Tolerance (dBm) scaling (dBm) scaling scaling scaling APD APD (dem'2) APD (dem'2)<			Distance		Erog	Max. Rated Avg.	Measured	Duty avala	Bower	Averaged SAR	over 1g (W/kg)	Estimated	Estimated	
Link Control Distance (mm) CH Freq. (MHz) Distance (MHz) CH Freq. (MHz) Distance (MHz) CH Freq. (MHz) Massured (MHz) Power (MHz) Averaged SAR over 1g (Wkg) CH Messured (MHz) Power (MHz) Averaged SAR over 1g (Wkg) Messured (MHz) Reported (MHz) Reported (MHz) Massured (MHz) Messured (MHz) Notes CH Minitian (MHz) Massured (MHz) Reported (MHz) Reported (MHz) Minitian (MHz)	Mode	Position		CH		Power + Max.	Avg. Power					APD	APD	ID
Node Position Distance (mm) CH Freq. (MHz) Massured (sc) Duty cycle (dcm ²) Odd % (dcm ²) (4cm ²) (4cm ²) (4cm ²) UNIL6 6.50Hz802.11ac(160M) Top Edge 0 111 6505 13.50 13.48 1.032 100.48% 0.111 0.115 0.65 0.674 0.728 0.278 - UANIL6 6.50Hz802.11ac(160M) Bottom Edge 0 111 6505 13.50 13.48 1.032 100.46% 0.014 0.044 0.032 - UANIL6 6.50Hz802.11ac(160M) Left Edge 0 111 6505 13.50 13.48 1.032 100.46% 0.006 0.006 0.026			((((((((((((((((((((((((((((((((((((((((IVIFIZ)	Tolerance (dBm)		scaling	scaling	Measured	Reported		W/m^2	
LVMI-6.5G/Hz802.11ac(160M) Dot pEdge 0 111 6505 13.80 13.48 1.032 100.46% 0.011 0.115 0.65 0.674 0.17 LVMI-6.5G/Hz802.11ac(160M) Bottom Edge 0 111 6505 13.50 13.48 1.032 100.46% 0.006 0.006 0.042 0.044 LVMI-6.5G/Hz802.11ac(160M) Left Edge 0 111 6505 13.50 13.48 1.032 100.46% 0.006 0.006 0.042 0.044 LVMI-6.5G/Hz802.11ac(160M) Left Edge 0 111 6505 13.50 13.48 1.032 100.46% 0.006 0.006 0.069 0.072 Mode Position Distance (mm) CH Freq. (MHz) Max. Rated Avg. Power Power Averaged SAR over 1g (Wkg) Measured APD APD										Wedsureu	Reponeu	(4cm/2)	(4cm^2)	
LVMI-6.5G/Hz802.11ac(160M) Dot pEdge 0 111 6505 13.80 13.48 1.032 100.46% 0.011 0.115 0.65 0.674 0.17 LVMI-6.5G/Hz802.11ac(160M) Bottom Edge 0 111 6505 13.50 13.48 1.032 100.46% 0.006 0.006 0.042 0.044 LVMI-6.5G/Hz802.11ac(160M) Left Edge 0 111 6505 13.50 13.48 1.032 100.46% 0.006 0.006 0.042 0.044 LVMI-6.5G/Hz802.11ac(160M) Left Edge 0 111 6505 13.50 13.48 1.032 100.46% 0.006 0.006 0.069 0.072 Mode Position Distance (mm) CH Freq. (MHz) Max. Rated Avg. Power Power Averaged SAR over 1g (Wkg) Measured APD APD	U-NII-6 6.5GHz802.11ac(160M)	Back Surface	0	111	6505	13.50	13.48	1.032	100.46%	0.045	0.047	0.268	0.278	-
U-MI-6 5:64t2802 11ac(160M) Bottom Edge 0 111 65:05 13:50 13:48 1.032 100.46% 0.006 0.004 0.00	U-NII-6 6.5GHz802.11ac(160M)	Top Edge	0	111	6505	13.50	13.48	1.032	100.46%	0.111	0.115	0.65	0.674	017
U-NI-6 6.5GHz802.11ac(160M) Repti Edge 0 111 6505 13.50 13.48 1.032 100.46% 0.004 0.004 0.014 0.032 U-NI-6 6.5GHz802.11ac(160M) Left Edge 0 111 6505 13.50 13.48 1.032 100.46% 0.006 0.006 0.009 0.072 Mode Position Distance (mm) CH Freq. (MHz) Max. Rated Avg. Power Power (dm) Duty cycle scaling Power scaling Averaged SAR over 1g (Wkg) Measured APD Wm ² 2 (4cm ² 2) Reported Restinated APD Wm ² 2 (4cm ² 2) Reported		Bottom Edge												-
LJ-NIL-6 6.5GHz802.11ac(160M) Left Edge 0 111 6505 13.50 13.48 1.032 100.46% 0.006 0.008 0.0072			0	111										-
Mode Position Distance (mm) CH Freq. (MHz) Max. Rated Avg. Power + Max. Toterance (dBm) Duty cycle scaling Power scaling Averaged SAR over 1g (Wkg) Measured APD (Mm²2) Reported Estimated APD Reported Estimated APD Reported (dcm²2) Reporte	U-NII-6 6.5GHz802.11ac(160M)		0	111	6505	13.50	13.48	1.032	100.46%	0.006	0.006	0.069	0.072	-
Mode Position Distance (mm) CH Freq. (MHz) Max. Rated Avg. Power + Max. Tolerance (dBm) Measured Avg. Power (dBm) Duty cycle scaling Power scaling Averaged SAR over 1g (W/kg) Estimated APD APD APD APD U-NII-7 6.7GHz802.11ac(160M) Back Surface 0 175 6825 13.50 13.46 1.032 100.93% 0.032 0.033 0.238 0.238 0.238 0.238 0.238 0.032 0.033 0.031 0.032 0.033 0.034 0.035 - <td></td>														
Mode Position Distance (mm) CH Freq. (MHz) Max. Rated Avg. Power + Max. Tolerance (dBm) Measured Avg. Power (dBm) Duty cycle scaling Power scaling Averaged SAR over 1g (W/kg) Estimated APD APD APD APD U-NII-7 6.7GHz802.11ac(160M) Back Surface 0 175 6825 13.50 13.46 1.032 100.93% 0.032 0.033 0.238 0.238 0.238 0.238 0.238 0.032 0.033 0.031 0.032 0.033 0.034 0.035 - <td></td> <td>Measured</td> <td>Reported</td> <td></td>												Measured	Reported	
Mode Position Distance (mm) CH (MHz) (MHz) Power + Max. Tolerance (dBm) Avg. Power (dBm) Scaling Form APD scaling APD (Mmz) APD (Mmz) APD (dcmm2) APD						Max. Rated Avg.	Measured			Averaged SAR	over 1g (W/kg)			
Mode Position Distance (mm) CH Freq. (MHz) Max. Rated Arg. Tolerance (dBm) Measured (dBm) Power (dBm) Jobaming Jobaming Measured (dCm/2) Reported (dcm/2) Wm/2 (dcm/2) Wm/2 (dcm/2) <td></td> <td></td> <td>D' 1</td> <td></td> <td></td> <td></td> <td></td> <td>Duty cycle</td> <td>Power</td> <td></td> <td></td> <td></td> <td></td> <td>ID</td>			D' 1					Duty cycle	Power					ID
Meda Position Distance (mm) CH Measured (MHz) Measured (8,mm) Non- transformer Measured (4,mm/2) Measu	Mode	Position		СН			Ava, Power					APD		
U-NII-7 6.7GHz802.11ac(160M) Back Surface 0 175 6825 13.50 13.46 1.032 100.93% 0.032 0.033 0.238 0.248 - U-NII-7 6.7GHz802.11ac(160M) Both Edge 0 175 6825 13.50 13.46 1.032 100.93% 0.031 0.238 0.248 - U-NII-7 6.7GHz802.11ac(160M) Both Edge 0 175 6825 13.50 13.46 1.032 100.93% 0.003 0.031 0.238 0.248 - U-NII-7 6.7GHz802.11ac(160M) Both Edge 0 175 6825 13.50 13.46 1.032 100.93% 0.001 0.001 0.034 0.035 - U-NII-7 6.7GHz802.11ac(160M) Left Edge 0 175 6825 13.50 13.46 1.032 100.93% 0.001 0.013 0.014 - U-NII-7 6.7GHz802.11ac(160M) Left Edge 0 175 6825 13.50 13.46 1.032 100.93% 0.009 0.009	Mode	Position		СН		Power + Max.	Avg. Power (dBm)			Manager	Dependent	APD W/m ²		
U-MI-7 67.6Hz802_11ac(160M) Top: Edge 0 175 6825 13.50 13.46 1.032 100.93% 0.078 0.081 0.381 0.397 0.18 U-MI-7 67.6Hz802_11ac(160M) Bottom Edge 0 175 6825 13.50 13.46 1.032 100.93% 0.001 0.001 0.034 0.035 - U-MI-7 67.6Hz802_11ac(160M) Right Edge 0 175 6825 13.50 13.46 1.032 100.93% 0.001 0.001 0.013 0.014 - U-MI-7 67.6Hz802_11ac(160M) Left Edge 0 175 6825 13.50 13.46 1.032 100.93% 0.009 0.009 0.015 0.109 - U-MI-7 67.6Hz802_11ac(160M) Left Edge 0 175 6825 13.50 13.46 1.032 100.93% 0.009 0.009 0.105 0.109 - Mode Postion Distance (mm) CH Freq. Power (dBm) M	Mode	Position		СН		Power + Max.	Avg. Power (dBm)			Measured	Reported	W/m^2	W/m^2	
U-NII-7 6.7GHz80211ac(160M) Bottom Edge 0 175 6825 13.50 13.46 1.032 100.93% 0.003 0.031 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.034 0.035 U-NII-7 6.7GHz80211ac(160M) Left Edge 0 175 6825 13.50 13.46 1.032 100.93% 0.001 0.001 0.013 0.014 Wode Position Distance (mm) CH Freq. (MHz) Max. Rated Avg. Tolerance (dBm) Measured (dBm) Power scaling Outy cycle scaling Power scaling Averaged SAR over 1g (W/kg) Measured APD Measured APD Measured APD Measured APD Measured APD Measured APD Measured APD Measured APD Measured APD Averaged SAR over 1g (W/kg) Measured APD ApD ApD <t< td=""><td></td><td></td><td>(mm)</td><td></td><td>(MHz)</td><td>Power + Max. Tolerance (dBm)</td><td>(dBm)</td><td>scaling</td><td>scaling</td><td></td><td></td><td>W/m*2 (4cm*2)</td><td>W/m^2 (4cm^2)</td><td></td></t<>			(mm)		(MHz)	Power + Max. Tolerance (dBm)	(dBm)	scaling	scaling			W/m*2 (4cm*2)	W/m^2 (4cm^2)	
U-NIL-7 6.7GHz802 11ac(160M) Right Edge 0 175 6825 13.50 13.46 1.032 100.93% 0.001 0.001 0.013 0.014 - U-NIL-7 6.7GHz802 11ac(160M) Left Edge 0 175 6825 13.50 13.46 1.032 100.93% 0.001 0.001 0.013 0.014 - Mode Position Distance (mm) CH Freq. (MHz) Max. Rated Avg. Power + Max. Tolerance (dBm) Measured (dBm) Power scaling Averaged SAR over 1g (W/kg) Measured APD Reported APD Estimated APD Reported APD Estimated APD APD	U-NII-7 6.7GHz802.11ac(160M)	Back Surface	(mm) 0	175	(MHz) 6825	Power + Max. Tolerance (dBm) 13.50	(dBm) 13.46	scaling	scaling 100.93%	0.032	0.033	W/m*2 (4cm*2) 0.238	W/m*2 (4cm*2) 0.248	- 018
LU-NIL-7 6.7GHz802.11ac(160M) Left Edge 0 175 6825 13.50 13.46 1.032 100.93% 0.009 0.009 0.105 0.109 - Mode Position Distance (mm) CH Freq. (MHz) Max. Rated Avg. Power + Max. Tolerance (dBm) Max. Rated Avg. (dBm) Power (dBm) Duty cycle scaling Power scaling Averaged SAR over 1g (W/g) Measured (Estimated APD W/m ² 2 (dcm ² 2) Reported (dcm ² 2) Reported (dcm ² 2) Reported (dcm ² 2) Power W/m ² 2 (dcm ² 2) ID U-NIL-8 7.0GHz802.11ac(160M) Back Surface 0 0 207 6985 13.50 13.48 1.032 100.46% 0.030 0.031 0.202 0.209 - U-NIL-8 7.0GHz802.11ac(160M) Top Edge 0 207 6985 13.50 13.48 1.032 100.46% 0.012 0.022 0.209 - U-NIL-8 7.0GHz802.11ac(160M) Bottom Edge 0 207 6985 13.50 13.48 1.032 100.46% 0.002 0.002 0.022 0.202 0.203 -<	U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M)	Back Surface Top Edge	(mm) 0 0	175 175	(MHz) 6825 6825	Power + Max. Tolerance (dBm) 13.50 13.50	(dBm) 13.46 13.46	scaling 1.032 1.032	scaling 100.93% 100.93%	0.032	0.033	W/m*2 (4cm*2) 0.238 0.381	W/m*2 (4cm*2) 0.248 0.397	
Mode Position Distance (mm) CH Freq. (M+z) Max. Rated Avg. Power + Max. Tolerance (Bm) Power (Bm) Power power + Max. (Bm) Power (Bm) Power power + Max. (Bm) Power + Max. (Mm) Power + Max. (How Mm2 <	U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M)	Back Surface Top Edge Bottom Edge	(mm) 0 0 0	175 175 175	(MHz) 6825 6825 6825	Power + Max. Tolerance (dBm) 13.50 13.50 13.50	(dBm) 13.46 13.46 13.46	scaling 1.032 1.032 1.032	scaling 100.93% 100.93% 100.93%	0.032 0.078 0.003	0.033 0.081 0.003	W/m*2 (4cm*2) 0.238 0.381 0.034	W/m*2 (4cm*2) 0.248 0.397 0.035	
Mode Position Distance (mm) CH Freq. (MHz) Max Rated Avg. Power + Max. Measured Avg. Power (dBm) Duty cycle scaling Power scaling Power Power + Max. Averaged SAR Over 1g (W/R) Estimated Estimated Estimated Power APD APD APD <t< td=""><td>U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M)</td><td>Back Surface Top Edge Bottom Edge Right Edge</td><td>(mm) 0 0 0</td><td>175 175 175 175 175</td><td>(MHz) 6825 6825 6825 6825</td><td>Power + Max. Tolerance (dBm) 13.50 13.50 13.50 13.50</td><td>(dBm) 13.46 13.46 13.46 13.46</td><td>scaling 1.032 1.032 1.032 1.032</td><td>scaling 100.93% 100.93% 100.93% 100.93%</td><td>0.032 0.078 0.003 0.001</td><td>0.033 0.081 0.003 0.001</td><td>W/m² (4cm²) 0.238 0.381 0.034 0.013</td><td>W/m*2 (4cm*2) 0.248 0.397 0.035 0.014</td><td></td></t<>	U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M)	Back Surface Top Edge Bottom Edge Right Edge	(mm) 0 0 0	175 175 175 175 175	(MHz) 6825 6825 6825 6825	Power + Max. Tolerance (dBm) 13.50 13.50 13.50 13.50	(dBm) 13.46 13.46 13.46 13.46	scaling 1.032 1.032 1.032 1.032	scaling 100.93% 100.93% 100.93% 100.93%	0.032 0.078 0.003 0.001	0.033 0.081 0.003 0.001	W/m ² (4cm ²) 0.238 0.381 0.034 0.013	W/m*2 (4cm*2) 0.248 0.397 0.035 0.014	
Mode Position Distance (mm) CH Freq. (MHz) Max Rated Avg. Power + Max. Measured Avg. Power (dBm) Duty cycle scaling Power scaling Power Power + Max. Averaged SAR Over 1g (W/R) Estimated Estimated Estimated Power APD APD APD <t< td=""><td>U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M)</td><td>Back Surface Top Edge Bottom Edge Right Edge</td><td>(mm) 0 0 0</td><td>175 175 175 175 175</td><td>(MHz) 6825 6825 6825 6825</td><td>Power + Max. Tolerance (dBm) 13.50 13.50 13.50 13.50</td><td>(dBm) 13.46 13.46 13.46 13.46</td><td>scaling 1.032 1.032 1.032 1.032</td><td>scaling 100.93% 100.93% 100.93% 100.93%</td><td>0.032 0.078 0.003 0.001</td><td>0.033 0.081 0.003 0.001</td><td>W/m² (4cm²) 0.238 0.381 0.034 0.013</td><td>W/m*2 (4cm*2) 0.248 0.397 0.035 0.014</td><td></td></t<>	U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M)	Back Surface Top Edge Bottom Edge Right Edge	(mm) 0 0 0	175 175 175 175 175	(MHz) 6825 6825 6825 6825	Power + Max. Tolerance (dBm) 13.50 13.50 13.50 13.50	(dBm) 13.46 13.46 13.46 13.46	scaling 1.032 1.032 1.032 1.032	scaling 100.93% 100.93% 100.93% 100.93%	0.032 0.078 0.003 0.001	0.033 0.081 0.003 0.001	W/m ² (4cm ²) 0.238 0.381 0.034 0.013	W/m*2 (4cm*2) 0.248 0.397 0.035 0.014	
Mode Position Distance (mm) CH Freq. (MHz) Freq. Tolerance (dBm) Duty cycle (dBm) Power scaling Power scaling Power scaling Power scaling Power scaling Masser (dam/2) CH APD W/m2 ID U-NI-B 7.05Hz802.11ac(160M) Back Surface 0 207 6985 13.50 13.48 1.032 100.46% 0.030 0.031 0.202 0.209 - U-NI-B 7.05Hz802.11ac(160M) Top Edge 0 207 6985 13.50 13.48 1.032 100.46% 0.012 0.031 0.202 0.209 - U-NI-B 7.05Hz802.11ac(160M) Bottom Edge 0 207 6985 13.50 13.48 1.032 100.46% 0.012 0.023 0.024 0.025 - U-NI-B 7.05Hz802.11ac(160M) Bottom Edge 0 207 6985 13.50 13.48 1.032 100.46% 0.002 0.002 0.022 0.023 -	U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M)	Back Surface Top Edge Bottom Edge Right Edge	(mm) 0 0 0	175 175 175 175 175	(MHz) 6825 6825 6825 6825	Power + Max. Tolerance (dBm) 13.50 13.50 13.50 13.50	(dBm) 13.46 13.46 13.46 13.46	scaling 1.032 1.032 1.032 1.032	scaling 100.93% 100.93% 100.93% 100.93%	0.032 0.078 0.003 0.001	0.033 0.081 0.003 0.001	W/m*2 (4cm*2) 0.238 0.381 0.034 0.013 0.105	W/m*2 (4cm*2) 0.248 0.397 0.035 0.014 0.109	
LMIL8 7.0GHz802.11ac/160M) Back Surface 0 207 6985 13.50 13.48 1.032 100.46% 0.030 0.031 0.202 0.209 - LU-NIL8 7.0GHz802.11ac/160M) Back Surface 0 207 6985 13.50 13.48 1.032 100.46% 0.030 0.031 0.202 0.209 - LU-NIL8 7.0GHz802.11ac(160M) Top Edge 0 207 6985 13.50 13.48 1.032 100.46% 0.128 0.133 0.669 0.684 019 LV-NIL8 7.0GHz802.11ac(160M) Bottom Edge 0 207 6985 13.50 13.48 1.032 100.46% 0.002 0.002 0.024 0.025 - LV-NIL8 7.0GHz802.11ac(160M) Right Edge 0 207 6985 13.50 13.48 1.032 100.46% 0.002 0.002 0.022 0.023 -	U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M)	Back Surface Top Edge Bottom Edge Right Edge	(mm) 0 0 0	175 175 175 175 175	(MHz) 6825 6825 6825 6825	Power + Max. Tolerance (dBm) 13.50 13.50 13.50 13.50 13.50	(dBm) 13.46 13.46 13.46 13.46 13.46	scaling 1.032 1.032 1.032 1.032	scaling 100.93% 100.93% 100.93% 100.93%	0.032 0.078 0.003 0.001 0.009	0.033 0.081 0.003 0.001 0.009	W/m*2 (4cm*2) 0.238 0.381 0.034 0.013 0.105 Measured	W/m ² (4cm ²) 0.248 0.397 0.035 0.014 0.109 Reported	
UNIL8 7.0GHz802.11ac(160M) Back Surface 0 Operating Operating <td>U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M)</td> <td>Back Surface Top Edge Bottom Edge Right Edge Left Edge</td> <td>(mm) 0 0 0 0 0 Distance</td> <td>175 175 175 175 175 175</td> <td>(MHz) 6825 6825 6825 6825 6825 6825</td> <td>Power + Max. Tolerance (dBm) 13.50 13.50 13.50 13.50 13.50 13.50</td> <td>(dBm) 13.46 13.46 13.46 13.46 13.46 13.46 Measured</td> <td>scaling 1.032 1.032 1.032 1.032 1.032 Duty cycle</td> <td>scaling 100.93% 100.93% 100.93% 100.93% 100.93% Power</td> <td>0.032 0.078 0.003 0.001 0.009</td> <td>0.033 0.081 0.003 0.001 0.009</td> <td>W/m*2 (4cm*2) 0.238 0.381 0.034 0.013 0.105 Measured Estimated</td> <td>W/m*2 (4cm*2) 0.248 0.397 0.035 0.014 0.109 Reported Estimated</td> <td>-</td>	U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M)	Back Surface Top Edge Bottom Edge Right Edge Left Edge	(mm) 0 0 0 0 0 Distance	175 175 175 175 175 175	(MHz) 6825 6825 6825 6825 6825 6825	Power + Max. Tolerance (dBm) 13.50 13.50 13.50 13.50 13.50 13.50	(dBm) 13.46 13.46 13.46 13.46 13.46 13.46 Measured	scaling 1.032 1.032 1.032 1.032 1.032 Duty cycle	scaling 100.93% 100.93% 100.93% 100.93% 100.93% Power	0.032 0.078 0.003 0.001 0.009	0.033 0.081 0.003 0.001 0.009	W/m*2 (4cm*2) 0.238 0.381 0.034 0.013 0.105 Measured Estimated	W/m*2 (4cm*2) 0.248 0.397 0.035 0.014 0.109 Reported Estimated	-
U-NI-8 7.0GHz802 11ac(160M) Back Surface 0 207 6985 13.50 13.48 1.032 100.46% 0.030 0.031 0.202 2.029 - U-NI-8 7.0GHz802 11ac(160M) Top Edge 0 207 6985 13.50 13.48 1.032 100.46% 0.128 0.133 0.669 0.894 019 U-NI-8 7.0GHz802.11ac(160M) Bottom Edge 0 207 6985 13.50 13.48 1.032 100.46% 0.002 0.002 0.024 0.025 - U-NI-8 7.0GHz802.11ac(160M) Right Edge 0 207 6985 13.50 13.48 1.032 100.46% 0.002 0.002 0.023 -	U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M)	Back Surface Top Edge Bottom Edge Right Edge Left Edge	(mm) 0 0 0 0 0 Distance	175 175 175 175 175 175	(MHz) 6825 6825 6825 6825 6825 6825	Power + Max. Tolerance (dBm) 13.50 13.50 13.50 13.50 13.50 13.50 Max. Rated Avg. Power + Max.	(dBm) 13.46 13.46 13.46 13.46 13.46 13.46 Measured Avg. Power	scaling 1.032 1.032 1.032 1.032 1.032 Duty cycle	scaling 100.93% 100.93% 100.93% 100.93% 100.93% Power	0.032 0.078 0.003 0.001 0.009 Averaged SAR	0.033 0.081 0.003 0.001 0.009 over 1g (W/kg)	W/m*2 (4cm*2) 0.238 0.381 0.034 0.013 0.105 Measured Estimated APD	W/m ² (4cm ²) 0.248 0.397 0.035 0.014 0.109 Reported Estimated APD	•
U-NII-8 7.06Hz802 11ac(160M) Top Edge 0 207 6985 13.50 13.48 1.032 100.46% 0.128 0.133 0.669 0.694 019 U-NII-8 7.06Hz802 11ac(160M) Bottom Edge 0 207 6985 13.50 13.48 1.032 100.46% 0.002 0.002 0.024 0.025 - U-NII-8 7.06Hz802 11ac(160M) Right Edge 0 207 6985 13.50 13.48 1.032 100.46% 0.002 0.002 0.023 -	U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M)	Back Surface Top Edge Bottom Edge Right Edge Left Edge	(mm) 0 0 0 0 0 Distance	175 175 175 175 175 175	(MHz) 6825 6825 6825 6825 6825 6825	Power + Max. Tolerance (dBm) 13.50 13.50 13.50 13.50 13.50 13.50 Max. Rated Avg. Power + Max.	(dBm) 13.46 13.46 13.46 13.46 13.46 13.46 Measured Avg. Power	scaling 1.032 1.032 1.032 1.032 1.032 Duty cycle	scaling 100.93% 100.93% 100.93% 100.93% 100.93% Power	0.032 0.078 0.003 0.001 0.009 Averaged SAR	0.033 0.081 0.003 0.001 0.009 over 1g (W/kg)	W/m*2 (4cm*2) 0.238 0.381 0.034 0.013 0.105 Measured Estimated APD W/m*2	W/m*2 (4cm*2) 0.248 0.397 0.035 0.014 0.109 Reported Estimated APD W/m*2	-
U-NII-8 7.0GHz802.11ac(160M) Bottom Edge 0 207 6985 13.50 13.48 1.032 100.46% 0.002 0.024 0.025 - U-NII-8 7.0GHz802.11ac(160M) Right Edge 0 207 6985 13.50 13.48 1.032 100.46% 0.002 0.024 0.025 -	U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M)	Back Surface Top Edge Bottom Edge Right Edge Left Edge Position	(mm) 0 0 0 0 0 Distance	175 175 175 175 175 175 CH	(MHz) 6825 6825 6825 6825 6825 6825 Freq. (MHz)	Power + Max. Tolerance (dBm) 13.50 13.50 13.50 13.50 13.50 13.50 Max. Rated Avg. Power + Max. Tolerance (dBm)	(dBm) 13.46 13.46 13.46 13.46 13.46 13.46 13.46 Add Add Add Add Add Add Add Add Add Add	scaling 1.032 1.032 1.032 1.032 1.032 1.032 Duty cycle scaling	scaling 100.93% 100.93% 100.93% 100.93% 100.93% Power scaling	0.032 0.078 0.003 0.001 0.009 Averaged SAR Measured	0.033 0.081 0.003 0.001 0.009 over 1g (W/kg) Reported	W/m*2 (4cm*2) 0.238 0.381 0.034 0.013 0.105 Measured Estimated APD W/m*2 (4cm*2)	W/m*2 (4cm*2) 0.248 0.397 0.035 0.014 0.109 Reported Estimated APD W/m*2 (4cm*2)	•
U-NII-8 7.0GHz802.11ac(160M) Right Edge 0 207 6985 13.50 13.48 1.032 100.46% 0.002 0.022 0.022 0.023 -	U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M)	Back Surface Top Edge Bottom Edge Right Edge Left Edge Position Back Surface	(mm) 0 0 0 Distance (mm)	175 175 175 175 175 175 CH	(MHz) 6825 6825 6825 6825 6825 6825 6825 Freq. (MHz) 6985	Power + Max. Tolerance (dBm) 13.50 13.50 13.50 13.50 13.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 13.50	(dBm) 13.46 13.46 13.46 13.46 13.46 13.46 13.46 Measured Avg. Power (dBm) 13.48	scaling 1.032 1.032 1.032 1.032 1.032 1.032 1.032 1.032 1.032 1.032 1.032 1.032	scaling 100.93% 100.93% 100.93% 100.93% 100.93% Power scaling 100.46%	0.032 0.078 0.003 0.001 0.009 Averaged SAR Measured 0.030	0.033 0.081 0.003 0.001 0.009 over 1g (W/kg) Reported 0.031	W/m*2 (4cm*2) 0.238 0.381 0.034 0.013 0.105 Measured Estimated APD W/m*2 (4cm*2) 0.202	W/m*2 (4cm*2) 0.248 0.397 0.035 0.014 0.109 Reported Estimated APD W/m*2 (4cm*2) 0.209	- - - ID
	U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) Mode	Back Surface Top Edge Bottom Edge Right Edge Left Edge Position Back Surface Top Edge	(mm) 0 0 0 Distance (mm)	175 175 175 175 175 175 CH CH 207 207	(MHz) 6825 6825 6825 6825 6825 Freq. (MHz) 6985 6985	Power + Max. Tolerance (dBm) 13.50 13.50 13.50 13.50 13.50 13.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 13.50 13.50	(dBm) 13.46 13.46 13.46 13.46 13.46 13.46 Measured Avg. Power (dBm) 13.48 13.48	scaling 1.032 1.032 1.032 1.032 1.032 1.032 1.032 1.032 1.032 1.032 1.032	scaling 100.93% 100.93% 100.93% 100.93% 100.93% Power scaling 100.46%	0.032 0.078 0.003 0.001 0.009 Averaged SAR Measured 0.030 0.128	0.033 0.081 0.003 0.001 0.009 over 1g (W/kg) Reported 0.031 0.133	W/m ² (4cm ² 2) 0.238 0.381 0.034 0.013 0.105 Measured Estimated APD W/m ² (4cm ² 2) 0.202 0.669	W/m*2 (4cm*2) 0.2248 0.397 0.035 0.014 0.109 Reported Estimated APD W/m*2 (4cm*2) 0.209 0.694	- - - ID
U-MINO 7.00072002.1180(100M) Leit Euge U ZU/ 0985 13.50 13.46 1.032 100.46% 0.008 0.008 0.086 0.089 -	U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) Mode	Back Surface Top Edge Bottom Edge Right Edge Left Edge Position Back Surface Top Edge Bottom Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0	175 175 175 175 175 175 CH 207 207 207	(MHz) 6825 6825 6825 6825 6825 6825 6825 6825 6825 6985 6985 6985	Power + Max. Tolerance (dBm) 13.50 13.50 13.50 13.50 13.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 13.50 13.50 13.50	(dBm) 13.46 13.46 13.46 13.46 13.46 13.46 13.46 Measured Avg. Power (dBm) 13.48 13.48 13.48	scaling 1.032 1.032 1.032 1.032 1.032 0.032 1.032 0.032 1.032 1.032 1.032 1.032 1.032 1.032 1.032 1.032	scaling 100.93% 100.93% 100.93% 100.93% 100.93% 100.93% 100.46% 100.46%	0.032 0.078 0.003 0.001 0.009 Averaged SAR Measured 0.030 0.128 0.002	0.033 0.081 0.003 0.001 0.009 over 1g (W/kg) Reported 0.031 0.133 0.002	W/m ² (4cm ² 2) 0.238 0.381 0.034 0.013 0.105 Measured Estimated APD W/m ² (4cm ² 2) 0.202 0.669 0.024	W/m ² 2 (4cm ² 2) 0.248 0.397 0.035 0.014 0.109 Reported Estimated APD W/m ² 2 (4cm ² 2) 0.299 0.694 0.025	- - - ID
	U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-7 6.7GHz802.11ac(160M) U-NII-8 7.0GHz802.11ac(160M) U-NII-8 7.0GHz802.11ac(160M) U-NII-8 7.0GHz802.11ac(160M) U-NII-8 7.0GHz802.11ac(160M)	Back Surface Top Edge Bottom Edge Right Edge Left Edge Position Back Surface Top Edge Bottom Edge Right Edge	(mm) 0 0 0 0 Distance (mm) 0 0 0 0 0	175 175 175 175 175 175 175 175 207 207 207 207 207	(MHz) 6825 6825 6825 6825 6825 Freq. (MHz) 6985 6985 6985	Power + Max. Tolerance (dBm) 13.50 13.50 13.50 13.50 13.50 Max. Rated Avg. Power + Max. Toleranet (dBm) 13.50 13.50 13.50	(dBm) 13.46 13.46 13.46 13.46 13.46 13.46 Avg. Power (dBm) 13.48 13.48 13.48 13.48	scaling 1.032 1.032 1.032 1.032 1.032 1.032 1.032 1.032 1.032 1.032 1.032 1.032 1.032 1.032 1.032 1.032	scaling 100.93% 100.93% 100.93% 100.93% 100.93% Power scaling 100.46% 100.46%	0.032 0.078 0.003 0.001 0.009 Averaged SAR Measured 0.030 0.128 0.002 0.002	0.033 0.081 0.003 0.001 0.009 over 1g (W/kg) Reported 0.031 0.133 0.002 0.002	W/m ² (4cm ² 2) 0.238 0.381 0.034 0.013 0.105 Measured Estimated APD W/m ² 2 (4cm ² 2) 0.202 0.669 0.024 0.022	W/m ² (4cm ² 2) 0.248 0.397 0.035 0.014 0.019 Reported Estimated APD W/m ² (4cm ² 2) 0.209 0.694 0.025	- - - ID

Note:

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

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

t (886-2) 2299-3279

Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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



Report No.: TESA2206000138EN Page: 52 of 104

7.3 Summary of PD Results

Main														
					Max. Rated Avg.	Measured					PD resu	ult(4cm)		
Mode	Position	Distance (mm)	СН	Freq. (MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	Tune-up Scaling	Duty cycle scaling	Measurement uncertainty	Measured Total psPD (W/m^2)	Reported Total psPD (W/m^2)	Measured Normal psPD (W/m^2)	Reported Normal psPD (W/m^2)	ID
WLAN 6E 802.11ax(160M)	Right Edge	2	15	6025	13.50	13.48	100.46%	1.00	1.55	0.846	1.317	0.831	1.294	020
U-NII-5	Right Edge	2	79	6345	13.50	13.47	100.69%	1.00	1.55	0.796	1.242	0.785	1.225	021
WLAN 6E 802.11ax(160M) U-NII-6	Right Edge	2	111	6505	13.50	13.46	100.93%	1.00	1.55	0.619	0.968	0.598	0.935	022
WLAN 6E 802.11ax(160M) U-NII-7	Right Edge	2	143	6665	13.50	13.49	100.23%	1.00	1.55	0.763	1.185	0.732	1.137	023
WLAN 6E 802.11ax(160M) U-NII-8	Right Edge	2	207	6985	13.50	13.49	100.23%	1.00	1.55	0.742	1.153	0.728	1.131	024

Aux														
					Max. Rated Avg.	Measured					PD res	ult(4cm)		
Mode	Position	Distance (mm)	СН	Freq. (MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	Tune-up Scaling	Duty cycle scaling	Measurement uncertainty	Measured Total psPD (W/m^2)	Reported Total psPD (W/m^2)	Measured Normal psPD (W/m^2)	Reported Normal psPD (W/m^2)	ID
WLAN 6E 802.11ax(160M)	Top Edge	2	15	6025	13.50	13.49	100.23%	1.00	1.55	0.775	1.204	0.767	1.192	025
U-NII-5	Top Edge	2	47	6185	13.50	13.47	100.69%	1.00	1.55	0.911	1.422	0.802	1.252	026
WLAN 6E 802.11ax(160M) U-NII-6	Top Edge	2	111	6505	13.50	13.48	100.46%	1.00	1.55	1.080	1.682	1.060	1.651	027
WLAN 6E 802.11ax(160M) U-NII-7	Top Edge	2	175	6825	13.50	13.46	100.93%	1.00	1.55	0.861	1.347	0.853	1.334	028
WLAN 6E 802.11ax(160M) U-NII-8	Top Edge	2	207	6985	13.50	13.48	100.46%	1.00	1.55	0.787	1.225	0.701	1.092	029

Note:

A.....

Reported PD = measured PD * Power scaling * Duty cycle scaling * Uncertainty scaling

7.4 Reporting statements of conformity

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

Conclusion 7.5

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.

Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations, under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



SIMULTANEOUS TRANSMISSION ANALYSIS 8

8.1 Simultaneous Transmission Scenarios:

Simultaneous Transmit Configurations	Body
WLAN 2.4GHz Main + BT Aux	Yes
WLAN 2.4GHz Main + WLAN 2.4GHz Aux	Yes
WLAN 5GHz Main + BT Aux	Yes
WLAN 5GHz Main + WLAN 5GHz Aux	Yes
WLAN 5GHz Main + WLAN 5GHz Aux + BT Aux	Yes
WLAN 6GHz Main + BT Aux	Yes
WLAN 6GHz Main + WLAN 6GHz Aux	Yes
WLAN 6GHz Main + WLAN 6GHz Aux + BT Aux	Yes

Note:

1. Bluetooth and WLAN Aux share the same antenna path, and BT can transmit with WLAN Main simultaneously.

2. For 2.4/5GHz WLAN Main and Aux antennas, the maximum output power of each antenna during simultaneous transmission is the same with or less than that used in standalone transmission, and we used the sum of 1-g SAR provision in KDB447498D01 to exclude the simultaneous transmitted SAR 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.

t (886-2) 2299-3279

Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law



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

If the minimum test separation distance is < 5mm, a distance of 5mm is used for estimated SAR calculation. When the test separation distance is >50mm, the 0.4W/kg is used for SAR-1g.

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 \leq 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。

No.134,Wu Kung Road, New Taipei Industrial 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

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



Report No.: TESA2206000138EN Page: 55 of 104

Simultaneous Transmission Combination

			Report	ed SAR					Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8
		2	3	4	5	7	8	9	2+3	4+5	2+7	4+7	4+5+7	7+8	8+9	7+8+9
Exposure Posi	tion	2.4GHz WLAN Main	2.4GHz WLAN Aux	5GHz WLAN Main	5GHz WLAN Aux	Bluetooth Aux	6GHz WLAN Main	6GHz WLAN Aux	Summed							
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)							
Back Surface	0	0.016	0.015	0.377	0.105	0.008	0.034	0.047	0.031	0.482	0.024	0.385	0.490	0.042	0.081	0.089
Top Edge	0	0.004	0.137	0.055	0.911	0.037	0.006	0.147	0.141	0.966	0.041	0.092	1.003	0.043	0.153	0.190
Bottom Edge	0	0.001	0.003	0.016	0.045	0.000	0.003	0.006	0.004	0.061	0.001	0.016	0.061	0.003	0.009	0.009
Left Edge	0	0.001	0.002	0.011	0.008	0.002	0.002	0.009	0.003	0.019	0.003	0.013	0.021	0.004	0.011	0.013
Right Edge	0	0.063	0.001	1.140	0.064	0.000	0.090	0.004	0.064	1.204	0.063	1.140	1.204	0.090	0.094	0.094

Conclusion 8.4

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.

Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 t (886-2) 2299-3279 f (886-2) 2298-0488



Report No.: TESA2206000138EN Page: 56 of 104

INSTRUMENTS LIST 9

		SAR Te	st Site: SAR_2		
Manufacturer	Device	Туре	Serial number	Date of last calibration	Date of next calibration
SPEAG	Dosimetric E-Field Probe	EX3DV4	3770	May/02/2022	May/01/2023
SPEAG	Data acquisition Electronics	DAE4	856	Apr/21/2022	Apr/20/2023
SPEAG	System Validation Dipole	D2450V2	727	Apr/25/2022	Apr/24/2023
SPEAG	System Validation Dipole	D5GHzV2	1023	Jan/27/2022	Jan/26/2023
SPEAG	Software	DASY 52 V52.10.4.15 27	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration not required
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Feb/28/2022	Feb/27/2023
Agilent	Dual-directional coupler	778D	MY48220468	Aug/16/2021	Aug/15/2022
Agilent	Dual-directional coupler	772D	MY46151242	Aug/16/2021	Aug/15/2022
R&S	MXG Analog Signal Generator	SMB100A03	182012	Jun/13/2022	Jun/12/2023
EMCI	Amplifier	EMC 2830P	980156	Calibration not required	Calibration not required
R&S	Power Meter	NRX	102034	Dec/28/2021	Dec/27/2022
R&S	Power Sensor	NRP18S	101974	Oct/12/2021	Oct/11/2022
R&S	Power Sensor	NRP18S	109066	Oct/12/2021	Oct/11/2022
TECPEL	Digital thermometer	DTM-303A	TP190085	Jan/14/2022	Jan/13/2023

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 台灣檢驗科技股份有限公司

f (886-2) 2298-0488

```
www.sgs.com.tw
```



Report No.: TESA2206000138EN Page: 57 of 104

		SAR Te	st Site: SAR_6		
Manufacturer	Device	Туре	Serial number	Date of last calibration	Date of next calibration
SPEAG	Dosimetric E-Field Probe	EX3DV4	7466	Jan/26/2022	Jan/25/2023
SPEAG	E-field Probe for Near Field Application	EUmmWV4	9579	Oct/06/2021	Oct/05/2022
SPEAG	Data acquisition Electronics	DAE4	558	Nov/23/2021	Nov/22/2022
SPEAG	System Validation Dipole	D6.5GHzV2	1006	Aug/26/2021	Aug/25/2022
SPEAG	System Validation Dipole	D7GHzV2	1007	Aug/26/2021	Aug/25/2022
SPEAG	5G Verification Source 10GHz	5G-Veri10	1021	Jan/24/2022	Jan/23/2023
SPEAG	Software	DASY 6 V16.0.2.136	N/A	Calibration not required	Calibration not required
SPEAG	Software	DASY 6 mmWave V2.4.2.62	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	mmWave Phantom	N/A	Calibration not required	Calibration not required
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Feb/28/2022	Feb/27/2023
Agilent	Dual-directional coupler	778D	MY48220468	Aug/16/2021	Aug/15/2022
Agilent	Dual-directional coupler	772D	MY46151242	Aug/16/2021	Aug/15/2022
R&S	MXG Analog Signal Generator	SMB100A03	182012	Jun/13/2022	Jun/12/2023
EMCI	Amplifier	EMC 2830P	980156	Calibration not required	Calibration not required
R&S	Power Meter	NRX	102034	Dec/28/2021	Dec/27/2022
R&S	Power Sensor	NRP18S	101974	Oct/12/2021	Oct/11/2022
R&S	Power Sensor	NRP18S	109066	Oct/12/2021	Oct/11/2022
TECPEL	Digital thermometer	DTM-303A	TP130074	May/13/2022	May/12/2023

t (886-2) 2299-3279

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



Report No.: TESA2206000138EN Page: 58 of 104

10 UNCERTAINTY BUDGET

				1					
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%	8
lsotropy , Axial	3.50%	R	√3	1.732	1	1	2.02%	2.02%	8
lsotropy, Hemispherical	9.60%	R	√3	1.732	1	1	5.54%	5.54%	80
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%	20
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	80
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%	80
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	80
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	20
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	20
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	20
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	20
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	20
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%	80
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%	æ
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	8
Liquid permittivity (mea.)	3.16%	N	1	1	0.64	0.43	2.02%	1.36%	М
Liquid Conductivity (mea.)	3.29%	N	1	1	0.6	0.49	1.97%	1.61%	М
Combined standard uncertainty		RSS					12.05%	11.90%	
Expant uncertainty (95% confidence interval), K=2							24.10%	23.79%	

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

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

t (886-2) 2299-3279

Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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



Report No.: TESA2206000138EN Page: 59 of 104

[sortanity of	aluation temp				1	
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%	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
lsotropy , Axial	3.50%	R	√3	1.732	1	1	2.02%	2.02%	~
lsotropy, 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%	~
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	~
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	~
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	~
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	~
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	8
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	~
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	8
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%	8
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	8
Liquid permittivity (mea.)	3.84%	N	1	1	0.64	0.43	2.46%	1.65%	М
Liquid Conductivity (mea.)	2.60%	N	1	1	0.6	0.49	1.56%	1.27%	М
Combined standard uncertainty		RSS					11.78%	11.60%	
Expant uncertainty (95% confidence interval), K=2							23.57%	23.19%	

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

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

t (886-2) 2299-3279 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



DASY6 Uncertainty Budget According to IEC/IEEE 62209-1528 (Frequency band: 6GHz - 10GHz range)

а	b	с	d		е	е	f=b * e / d	f=b * e / d
Source of Uncertainty	Uncertainty Value (±%)	Probability Distributioin	Div.	Div. Value	(ci) 1g	(ci) 10g	Std. uncertainty (1g) (±%)	Std. uncertainty (10g) (±%)
Measurement system errors								
Probe calibration	18.6	N	2	2	1	1	9.3	9.3
Probe Calibration Drift	1.7	R	√3	1.732	1	1	1.0	1.0
Probe Linearity	4.7	R	√3	1.732	1	1	2.7	2.7
Broadband Signal	2.8	R	√3	1.732	1	1	1.6	1.6
Probe Isotropy	7.6	R	√3	1.732	1	1	4.4	4.4
Data Acquisition	0.3	N	1	1	1	1	0.3	0.3
RF Ambient	1.8	N	1	1	1	1	1.8	1.8
Probe positioning	0.2	N	1	1	0.67	0.67	0.1	0.1
Data Processing	3.5	N	1	1	1	1	3.5	3.5
Phantom and device errors								
Conductivity (meas.)DAK	2.5	Ν	1	1	0.78	0.71	2.0	1.8
Conductivity (temp.)BB	2.4	R	√3	1.732	0.78	0.71	1.1	1.0
Phantom Permittivity	14.0	R	√3	1.732	0.5	0.5	4.0	4.0
Distance DUT - TSL	2.0	N	1	1	2	2	4.0	4.0
Device Positioning (±0.5mm)	1.0	N	1	1	1	1	1.0	1.0
Device Holder	3.6	N	1	1	1	1	3.6	3.6
DUT Modulationm	2.4	R	√3	1.732	1	1	1.4	1.4
Time-average SAR	0.0	R	√3	1.732	1	1	0.0	0.0
DUT drift	2.5	N	1	1	1	1	2.5	2.5
Val Antenna Unc.	0.0	N	1	1	1	1	0.0	0.0
Unc. Input Power	0.0	N	1	1	1	1	0.0	0.0
Correction to the SAR results								
Deviation to Target	1.90	N	1	1	1	0.84	1.9	1.6
SAR scaling	0.147	R	√3	1.732	1	1	0.1	0.1
Combined Std. uncertainty							14.0	13.9
Expanded Std. uncertainty (95% confidence interval), K=2							28.0	27.8

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

t (886-2) 2299-3279

Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

www.sgs.com.tw



Report No.: TESA2206000138EN Page: 61 of 104

cDASY6 Module mmWave Uncertainty Budget for PD Evaluation Distances to the Antennas $\geq \lambda/5$ In Compliance with IEC/IEEE 63195

i		1	r			r	-
а	b	с	d		е	f=b * e / d	g
Source of Uncertainty	Uncertainty Value (+-dB)	Probability Distributioin	Div.	Div. Value	ci	Std. uncertainty (+-dB)	(vi) Veff
Uncertainty terms dependent on the	measurement	system					
Probe calibration	0.49	N	1	1	1	0.49	œ
Probe correction	0.00	R	√3	1.732	1	0.00	œ
Frequency response (BW \leq 1GHz)	0.20	R	√3	1.732	1	0.12	80
Sensor cross coupling	0.00	R	√3	1.732	1	0.00	80
Isotropy	0.50	R	√3	1.732	1	0.29	œ
Linearity	0.20	R	√3	1.732	1	0.12	œ
Probe scattering	0.00	R	√3	1.732	1	0.00	œ
Probe positioning offset	0.30	R	√3	1.732	1	0.17	œ
Probe positioning repeatability	0.04	R	√3	1.732	1	0.02	œ
Sensor mechanical offset	0.00	R	√3	1.732	1	0.00	œ
Probe spatial resolution	0.00	R	√3	1.732	1	0.00	~~~~
Field impedance dependance	0.00	R	√3	1.732	1	0.00	00
Amplitude and phase drift	0.00	R	√3	1.732	1	0.00	
Amplitude and phase noise	0.04	R	√3	1.732	1	0.02	~~~~
Measurement area truncation	0.00	R	√3	1.732	1	0.00	~~~~
Data acquisition	0.03	N	1	1	1	0.03	œ
Sampling	0.00	R	√3	1	1	0.00	œ
Field reconstruction	2.00	R	√3	1.732	1	1.15	œ
Forward transformation	0.00	R	√3	1.732	1	0.00	œ
Power density scaling	-	R	√3	1.732	1	-	œ
Spatial averaging	0.10	R	√3	1.732	1	0.06	œ
System detection limit	0.04	R	√3	1.732	1	0.02	œ
Uncertainty terms dependent on the	DUT and envir	onmental facto	ors				
Probe coupling with DUT	0.00	R	√3	1.732	1	0.00	œ
Modulation response	0.40	R	√3	1.732	1	0.23	œ
Integration time	0.00	R	√3	1.732	1	0.00	œ
Response time	0.00	R	√3	1.732	1	0.00	œ
Device holder influence	0.10	R	√3	1.732	1	0.06	œ
DUT alignment	0.00	R	√3	1.732	1	0.00	œ
RF ambient conditions	0.04	R	√3	1.732	1	0.02	œ
Ambient reflections	0.04	R	√3	1.732	1	0.02	œ
Immunity / secondary reception	0.00	R	√3	1.732	1	0.00	œ
Drift of the DUT	-	R	√3	1.732	1	-	œ
Combined Std. uncertainty						1.33	
Expanded Std. uncertainty (95%						2.67	
confidence interval), K=2	I	I	I		L	1	I

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

Unless other wire stated: the results stoken in this less report relet only to be stated and so that state states and the results stoken and states and s Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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.sgs.com.tw

f (886-2) 2298-0488



11 SAR MEASUREMENT RESULTS

Date: 2022/6/20

ID: 001

Report No. :TESA2206000138EN

WLAN 802.11b_Body_Right Edge_CH 6_0mm_Main

Communication System: WLAN 2.45G; Frequency: 2437 MHz; Duty cycle= 1:1.022 Medium parameters used: f = 2437 MHz; σ = 1.832 S/m; ϵ_r = 37.721; ρ = 1000 kg/m³ Phantom section: Flat Section Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(8.2, 8.2, 8.2) @ 2437 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.127 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.558 V/m; Power Drift = 0.14 dB

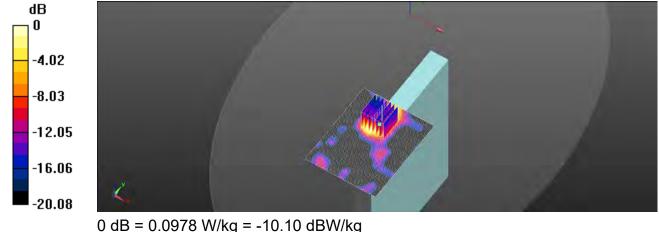
Peak SAR (extrapolated) = 0.156 W/kg

SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.026 W/kg

Smallest distance from peaks to all points 3 dB below = 6 mm

Ratio of SAR at M2 to SAR at M1 = 50%

Maximum value of SAR (measured) = 0.0978 W/kg



0 dB = 0.0370 W/kg = -10.10 dBW/kg

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

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

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



ID: 002 Report No. :TESA2206000138EN

WLAN 802.11n(40M) 5.2G_Body_Right Edge_CH 46_0mm_Main

Communication System: WLAN 5G; Frequency: 5230 MHz; Duty cycle= 1:1.032

Medium parameters used: f = 5230 MHz; σ = 4.635 S/m; ϵ_r = 36.93; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(5.6, 5.6, 5.6) @ 5230 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x111x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 2.06 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

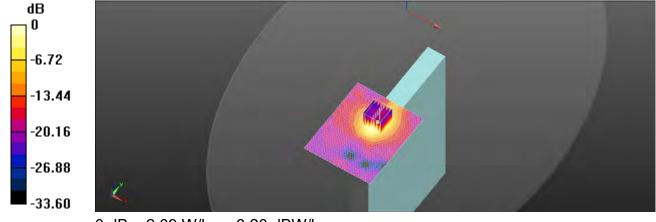
Reference Value = 4.225 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 3.75 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.364 W/kg

Smallest distance from peaks to all points 3 dB below = 5.8 mmRatio of SAR at M2 to SAR at M1 = 61.6%

Maximum value of SAR (measured) = 2.09 W/kg



0 dB = 2.09 W/kg = 3.20 dBW/kg

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

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

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



ID: 003 Report No. :TESA2206000138EN

WLAN 802.11n(40M) 5.3G_Body_Right Edge_CH 54_0mm_Main

Communication System: WLAN 5G; Frequency: 5270 MHz; Duty cycle= 1:1.032

Medium parameters used: f = 5270 MHz; σ = 4.696 S/m; ϵ_r = 36.876; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(5.49, 5.49, 5.49) @ 5270 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x111x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 2.10 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

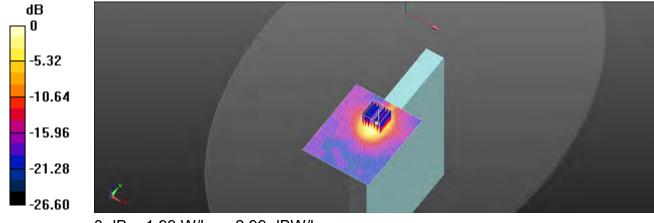
Reference Value = 3.485 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 3.55 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.343 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mmRatio of SAR at M2 to SAR at M1 = 61.3%

Maximum value of SAR (measured) = 1.99 W/kg



0 dB = 1.99 W/kg = 2.99 dBW/kg

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

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

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



ID: 004 Report No. :TESA2206000138EN

WLAN 802.11ac(80M) 5.6G_Body_Right Edge_CH 138_0mm_Main

Communication System: WLAN 5G; Frequency: 5690 MHz; Duty cycle= 1:1.042

Medium parameters used: f = 5690 MHz; σ = 5.234 S/m; ϵ_r = 35.632; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(5, 5, 5) @ 5690 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x111x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.28 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

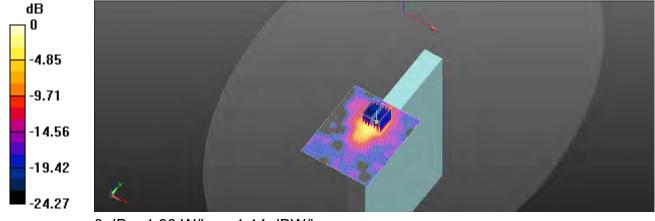
Reference Value = 2.089 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 2.96 W/kg

SAR(1 g) = 0.641 W/kg; SAR(10 g) = 0.167 W/kg

Smallest distance from peaks to all points 3 dB below = 5.1 mmRatio of SAR at M2 to SAR at M1 = 55.4%

Maximum value of SAR (measured) = 1.30 W/kg



0 dB = 1.30 W/kg = 1.14 dBW/kg

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

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

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



ID: 005 Report No. :TESA2206000138EN

WLAN 802.11n(40M) 5.8G_Body_Right Edge_CH 151_0mm_Main

Communication System: WLAN 5G; Frequency: 5755 MHz; Duty cycle= 1:1.032

Medium parameters used: f = 5755 MHz; σ = 5.396 S/m; ϵ r = 36.356; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 21.9°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(5.05, 5.05, 5.05) @ 5755 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x111x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.17 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

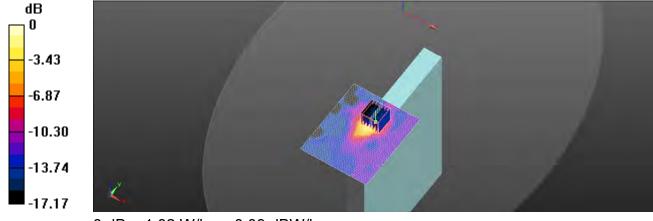
Reference Value = 4.005 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.44 W/kg

SAR(1 g) = 0.487 W/kg; SAR(10 g) = 0.142 W/kg

Smallest distance from peaks to all points 3 dB below = 4.3 mmRatio of SAR at M2 to SAR at M1 = 53.9%

Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.02 W/kg = 0.09 dBW/kg

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

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

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



ID: 006 Report No. : TESA2206000138EN WLAN 802.11b_Body_Top Edge_CH 1_0mm_Aux

Communication System: WLAN 2.45G; Frequency: 2412 MHz; Duty cycle= 1:1.022 Medium parameters used: f = 2412 MHz; σ = 1.812 S/m; ϵ_r = 37.758; ρ = 1000 kg/m³ Phantom section: Flat Section Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(8.2, 8.2, 8.2) @ 2412 MHz; Calibrated: 2022/5/2 •
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=12 mm, dy=12 mm Maximum value of SAR (interpolated) = 0.224 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.028 V/m; Power Drift = 0.13 dB

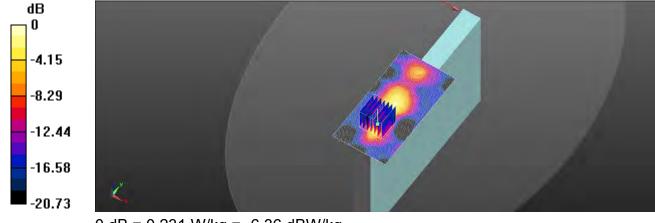
Peak SAR (extrapolated) = 0.329 W/kg

SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.053 W/kg

Smallest distance from peaks to all points 3 dB below = 5.8 mm

Ratio of SAR at M2 to SAR at M1 = 45.8%

Maximum value of SAR (measured) = 0.231 W/kg



0 dB = 0.231 W/kg = -6.36 dBW/kg

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

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

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



ID: 007 Report No. :TESA2206000138EN Bluetooth(GESK), Body, Top Edge, CH 7

Bluetooth(GFSK)_Body_Top Edge_CH 78_0mm_Aux

Communication System: Bluetooth; Frequency: 2480 MHz; Duty cycle= 1:1.309

Medium parameters used: f = 2480 MHz; σ = 1.867 S/m; ϵ_r = 37.677; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(8.2, 8.2, 8.2) @ 2480 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=12 mm, dy=12 mm Maximum value of SAR (interpolated) = 0.0600 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

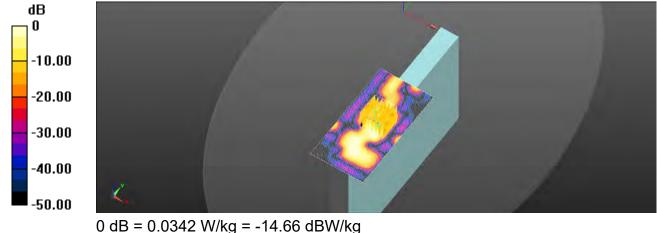
Reference Value = 2.532 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.0560 W/kg

SAR(1 g) = 0.022 W/kg; SAR(10 g) = 0.010 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid Ratio of SAR at M2 to SAR at M1 = 49.7%

Maximum value of SAR (measured) = 0.0342 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.



ID: 008 Report No. : TESA2206000138EN

WLAN 802.11n(40M) 5.2G_Body_Top Edge_CH 46_0mm_Aux

Communication System: WLAN 5G; Frequency: 5230 MHz; Duty cycle= 1:1.032

Medium parameters used: f = 5230 MHz; σ = 4.635 S/m; ϵ_r = 36.93; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(5.6, 5.6, 5.6) @ 5230 MHz; Calibrated: 2022/5/2 •
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 0.656 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

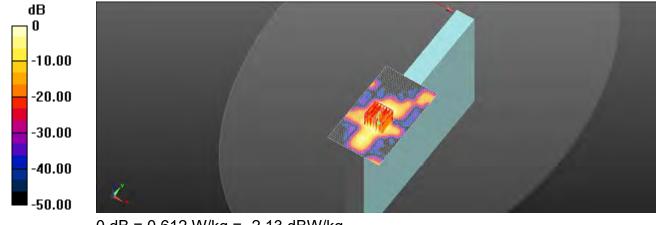
Reference Value = 2.742 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.271 W/kg; SAR(10 g) = 0.066 W/kg

Smallest distance from peaks to all points 3 dB below = 5.4 mm Ratio of SAR at M2 to SAR at M1 = 55.8%

Maximum value of SAR (measured) = 0.612 W/kg



0 dB = 0.612 W/kg = -2.13 dBW/kg

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

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

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



ID: 009 Report No. :TESA2206000138EN

WLAN 802.11n(40M) 5.3G_Body_Top Edge_CH 54_0mm_Aux

Communication System: WLAN 5G; Frequency: 5270 MHz; Duty cycle= 1:1.032

Medium parameters used: f = 5270 MHz; σ = 4.696 S/m; ϵ_r = 36.876; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(5.49, 5.49, 5.49) @ 5270 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.633 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.962 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.058 W/kg

Smallest distance from peaks to all points 3 dB below = 5.7 mm

Ratio of SAR at M2 to SAR at M1 = 57.5%

Maximum value of SAR (measured) = 0.517 W/kg

Zoom Scan (7x7x12)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.962 V/m; Power Drift = 0.12 dB

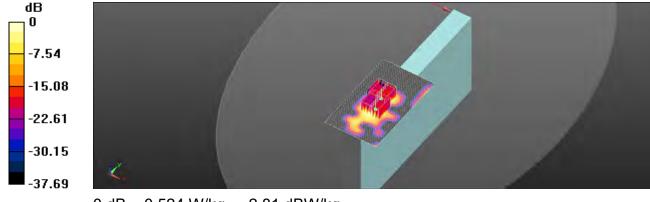
Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.240 W/kg; SAR(10 g) = 0.062 W/kg

Smallest distance from peaks to all points 3 dB below = 5.4 mm

Ratio of SAR at M2 to SAR at M1 = 55.1%

Maximum value of SAR (measured) = 0.524 W/kg



0 dB = 0.524 W/kg = -2.81 dBW/kg

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

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

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



ID: 010 Report No. :TESA2206000138EN

WLAN 802.11ac(80M) 5.6G_Body_Top Edge_CH 138_0mm_Aux

Communication System: WLAN 5G; Frequency: 5690 MHz; Duty cycle= 1:1.042

Medium parameters used: f = 5690 MHz; σ = 5.234 S/m; ϵ_r = 35.632; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(5, 5, 5) @ 5690 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.84 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

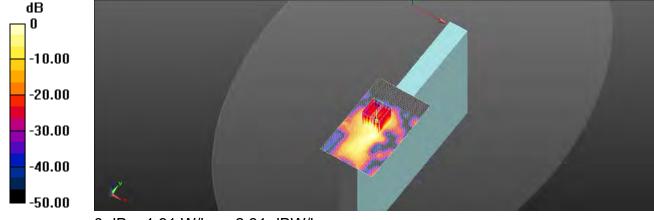
Reference Value = 2.872 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 3.93 W/kg

SAR(1 g) = 0.866 W/kg; SAR(10 g) = 0.206 W/kg

Smallest distance from peaks to all points 3 dB below = 5.1 mmRatio of SAR at M2 to SAR at M1 = 56.9%

Maximum value of SAR (measured) = 1.91 W/kg



0 dB = 1.91 W/kg = 2.81 dBW/kg

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

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

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



ID: 011 Report No. :TESA2206000138EN

WLAN 802.11n(40M) 5.8G_Body_Top Edge_CH 159_0mm_Aux

Communication System: WLAN 5G; Frequency: 5795 MHz; Duty cycle= 1:1.032

Medium parameters used: f = 5795 MHz; σ = 5.438 S/m; ϵ r = 35.313; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 21.9°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(5.05, 5.05, 5.05) @ 5795 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.04 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm Reference Value = 3.114 V/m; Power Drift = 0.15 dB Peak SAR (extrapolated) = 1.94 W/kg SAR(1 g) = 0.412 W/kg; SAR(10 g) = 0.097 W/kg Smallest distance from peaks to all points 3 dB below = 4.9 mm Ratio of SAR at M2 to SAR at M1 = 54.8% Maximum value of SAR (measured) = 0.901 W/kg Zoom Scan (7x7x12)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm Reference Value = 3.114 V/m; Power Drift = 0.15 dB Peak SAR (extrapolated) = 2.21 W/kg SAR(1 g) = 0.421 W/kg; SAR(10 g) = 0.092 W/kg Smallest distance from peaks to all points 3 dB below = 4.5 mm Ratio of SAR at M2 to SAR at M1 = 52.7%

Maximum value of SAR (measured) = 1.08 W/kg

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

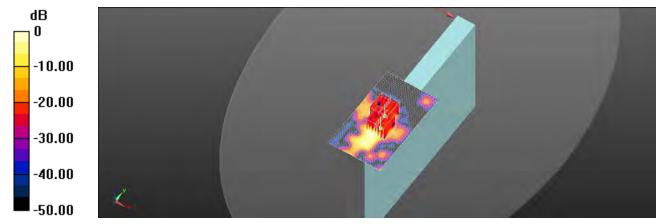
```
www.sgs.com.tw
```

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

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



Report No.: TESA2206000138EN Page: 73 of 104



0 dB = 1.08 W/kg = 0.33 dBW/kg

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份復製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions and for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. At the electronic format documents, subject to Terms and Conditions of Ilectronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. At the electronic format documents, subject to Terms and Conditions of Liectronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. At the set of t Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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



4.0

ID: 012

Report No. : TESA2206000138EN

Measurement Report for Luna, Right Edge, U-NII-5,

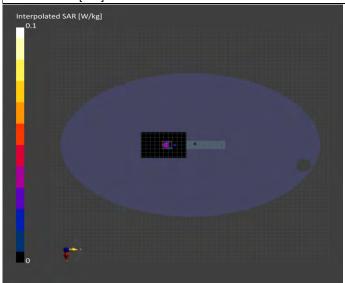
IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 79 (6345.0 MHz)_Main

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

Expodulo o	onantionio				
Phantom Section, TSL		Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL Right Edge, 0.00		Right Edge, 0.00	5.65	6.048	35.778
Hardware Se	etup		·		
Phantom	Probe, 0	Calibration Date		DAE, Calibration Date	
ELI	EX3DV4	4 - SN7466, 2022-01-26		DAE4 Sn558, 2021-11-23	
Scans Setu	0				
			Area	Scan	Zoom Scan
Grid Extents [n	nm]		68.0 x 1	102.0	22.0 x 22.0 x 22.0
Grid Steps [mr	n]		8.5 x 8.5		3.4 x 3.4 x 1.4
Sensor Surface	Sensor Surface [mm]		3.0		1.4
Measureme	nt Results				
				Area Scan	Zoom Scan
Date				2022-06-24	2022-06-24
psSAR1g [W/k	g]			0.031	
psSAR8g [W/kg]				0.008	
psSAR10g [W/kg]				0.007	
psPDab (4.0cn	n2, sq) [W/m2	2]			0.278
Power Drift [dB]				-0.09	0.12
M2/M1 [%]					33.3

Dist 3dB Peak [mm]



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

t (886-2) 2299-3279

Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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



4.1

ID: 013

Report No. : TESA2206000138EN

Measurement Report for Luna, Right Edge, U-NII-6,

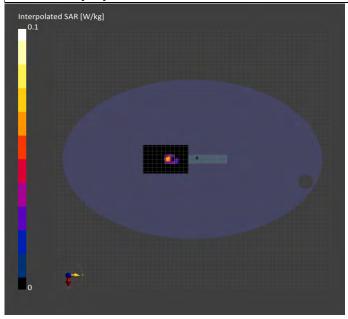
IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)_Main

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

Phantom Section, TSL		Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	
		Right Edge, 0.00	5.65	6.221	35.586	
Hardware S	etup	0 0 /				
Phantom	Probe,	Calibration Date		DAE, Calibration Date		
ELI	EX3DV	4 - SN7466, 2022-01-26		DAE4 Sn558, 2021-11-23		
Scans Setu	р					
			Area	Scan	Zoom Scan	
Grid Extents [r	nm]		68.0 x 102.0		22.0 x 22.0 x 22.0	
Grid Steps [mm]			8.5 x 8.5		3.4 x 3.4 x 1.2	
Sensor Surfac	e [mm]		3.0		1.4	
Measureme	nt Results					
				Area Scan	Zoom Scar	
Date				2022-06-24		
psSAR1g [W/k	(g]			0.054		
psSAR8g [W/kg]				0.015		
psSAR10g [W/kg]			0.013		0.014	
psPDab (4.0cr	m2, sq) [W/m	2]			0.336	
Power Drift [dB]				0.04	0.05	
M2/M1 [%]					58.5	

Dist 3dB Peak [mm]



t (886-2) 2299-3279

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



ID: 014 Report No. : TESA2206000138EN Measurement Report for Luna, Right Edge, U-NII-7, IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 143 (6665.0 MHz)_Main Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

Phantom Section, TSL		Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/	m] TSL Permittivity	
Flat, HSL Right Edge, 0.00		Right Edge, 0.00	5.65	6.396	35.394	
Hardware S	etup					
Phantom	Probe, 0	Calibration Date	E	DAE, Calibration Date		
ELI	EX3DV4	4 - SN7466, 2022-01-26	Γ	DAE4 Sn558, 2021-11-2	3	
Scans Setu	р					
			Area S	Scan	Zoom Scan	
Grid Extents [r	nm]		68.0 x 1	02.0	22.0 x 22.0 x 22.0	
Grid Steps [mr	m]		8.5 x 8.5		3.4 x 3.4 x 1.4	
Sensor Surfac	e [mm]			3.0	1.4	
Measureme	nt Results					
				Area Scan	Zoom Scan	
Date			2022-06-24		2022-06-24	
psSAR1g [W/k	(g]		0.070		0.069	
psSAR8g [W/k	(g]		0.018		0.019	
psSAR10g [W/kg]			0.015		0.016	
psPDab (4.0cr	m2, sq) [W/m2	2]			0.385	
Power Drift [dB]				0.08	-0.12	
M2/M1 [%]					50.6	
Dist 3dB Peak [mm]					4.0	

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.

t (886-2) 2299-3279

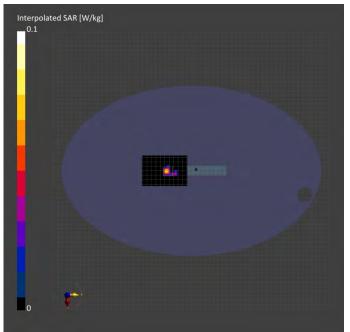
Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

```
www.sgs.com.tw
```



Report No.: TESA2206000138EN Page: 77 of 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 <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

t (886-2) 2299-3279 台灣檢驗科技股份有限公司

f (886-2) 2298-0488



ID: 015

Report No. : TESA2206000138EN

Measurement Report for Luna, Right Edge, U-NII-8,

IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 207 (6985.0 MHz)_Main

Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	
		-			
Flat, HSL	Right Edge, 0.00	5.85	6.749	35.01	
Hardware Setup					
Phantom Probe,	Calibration Date	D	AE, Calibration Date		
ELI EX3DV	/4 - SN7466, 2022-01-26	D	AE4 Sn558, 2021-11-23		
Scans Setup					
		Area So	can	Zoom Scan	
Grid Extents [mm]		68.0 x 10	2.0	22.0 x 22.0 x 22.0	
Grid Steps [mm]		8.5 x 8.5		3.4 x 3.4 x 1.4	
Sensor Surface [mm]		3.0		1.4	
Measurement Results	5				
			Area Scan	Zoom Scan	
Date		2022-06-24		2022-06-24	
psSAR1g [W/kg]		0.094		0.087	
psSAR8g [W/kg]		0.023		0.026	
psSAR10g [W/kg]		0.019		0.022	
psPDab (4.0cm2, sq) [W/m	12]			0.513	
Power Drift [dB]			-0.04	-0.02	
M2/M1 [%]				59.3	
Dist 3dB Peak [mm]				4.8	

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

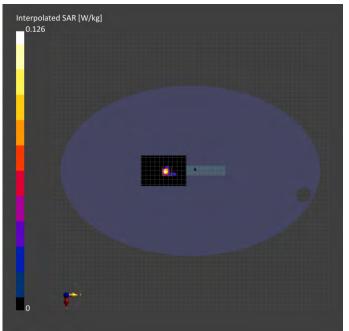
t (886-2) 2299-3279

Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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



Report No.: TESA2206000138EN Page: 79 of 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 <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

```
www.sgs.com.tw
```



ID: 016

Report No. : TESA2206000138EN Measurement Report for Luna, Top Edge, U-NII-5, IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 47 (6185.0 MHz)_Aux

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

	onantionio						
Phantom Section, TSL		Position, Test Distance [mm]	Conversion Factor	TSL Conductivit	y [S/m]	TSL Permittivity	
Flat, HSL		Top Edge, 0.00	5.65	5.875		35.97	
Hardware S	etup						
Phantom	Probe,	Calibration Date		DAE, Calibration Da	te		
ELI	EX3DV	/4 - SN7466, 2022-01-26		DAE4 Sn558, 2021-	11-23		
Scans Setu	0						
			Area	Scan		Zoom Scan	
Grid Extents [r	nm]		68.0 x ⁻	102.0		22.0 x 22.0 x 22.0	
Grid Steps [mr	n]		8.5 x 8.5		3.4 x 3.4 x 1.4		
Sensor Surfac	e [mm]			3.0		1.4	
Measureme	nt Results	6					
				Area Sc	an	Zoom Scan	
Date				2022-06-24		2022-06-24	
psSAR1g [W/k	g]		0.122		22	0.141	
psSAR8g [W/k	g]		0.035		0.042		
psSAR10g [W/kg]			0.030		0.036		
psPDab (4.0cr	n2, sq) [W/m	12]				0.843	
Power Drift [dB	3]			0.	13	-0.18	
M2/M1 [%]						52.7	
Dist 3dB Peak	[mm]					5.2	
·							

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.

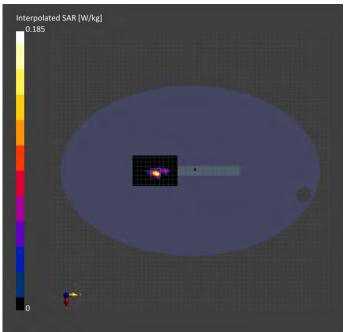
t (886-2) 2299-3279

Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

```
www.sgs.com.tw
```



Report No.: TESA2206000138EN Page: 81 of 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 <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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
                              www.sgs.com.tw
```



ID: 017

Report No. : TESA2206000138EN Measurement Report for Luna, Top Edge, U-NII-6,

IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)_Aux

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

Phantom Section, TSL		Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	
Flat, HSL	Tat, HSL Top Edge, 0.00		5.65	6.221	35.586	
Hardware So	etup					
Phantom	Probe,	Calibration Date	C	DAE, Calibration Date		
ELI	EX3DV	/4 - SN7466, 2022-01-26	C	DAE4 Sn558, 2021-11-23		
Scans Setur)					
			Area S	Scan	Zoom Scan	
Grid Extents [n	nm]		68.0 x 10	02.0	22.0 x 22.0 x 22.0	
Grid Steps [mn	n]		8.5 x	(8.5	3.4 x 3.4 x 1.2	
Sensor Surface	e [mm]			3.0	1.4	
Measureme	nt Results	3				
				Area Scan	Zoom Scan	
Date			2022-06-24		2022-06-24	
psSAR1g [W/k	g]		0.099		0.111	
psSAR8g [W/k	g]		0.032		0.033	
psSAR10g [W/kg]			0.028		0.029	
psPDab (4.0cm	n2, sq) [W/m	12]			0.650	
Power Drift [dB	3]			0.19	-0.17	
M2/M1 [%]					61.4	
Dist 3dB Peak [mm]					4.1	

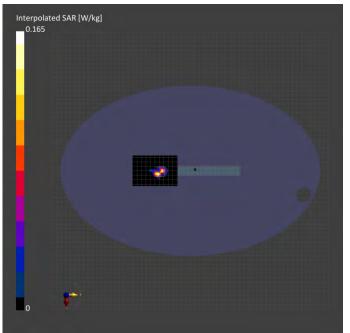
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

```
www.sgs.com.tw
```



Report No.: TESA2206000138EN Page: 83 of 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 <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 台灣檢驗科技股份有限公司

```
www.sgs.com.tw
```



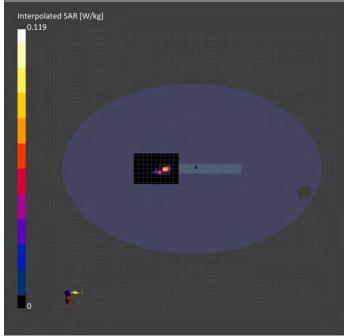
Report No.: TESA2206000138EN Page: 84 of 104

4.1

Report No. :TESA2206000138EN Measurement Report for Luna, Top Edge, U-NII-7, IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 175 (6825.0 MHz)_Aux Ambient temperature: 22.6°C; Liquid temperature: 22.4°C Exposure Conditions

Phantom Section, TSL Position, Test Distance [mm] Conversion Factor TSL Conductivity [S/m] TSL Permittivity Flat, HSL 5.65 35.202 Top Edge, 0.00 6.572 Hardware Setup Phantom Probe, Calibration Date DAE, Calibration Date FLI EX3DV4 - SN7466, 2022-01-26 DAE4 Sn558, 2021-11-23 Scans Setup Area Scan Zoom Scan Grid Extents [mm] 68.0 x 102.0 22.0 x 22.0 x 22.0 Grid Steps [mm] 8.5 x 8.5 3.4 x 3.4 x 1.4 Sensor Surface [mm] 3.0 1.4 **Measurement Results** Area Scan Zoom Scan 2022-06-24 2022-06-24 Date psSAR1g [W/kg] 0.072 0.078 psSAR8g [W/kg] 0.017 0.019 0.014 0.016 psSAR10g [W/kg] psPDab (4.0cm2, sq) [W/m2] 0.381 Power Drift [dB] 0.06 -0.03 M2/M1 [%] 61.9

Dist 3dB Peak [mm]



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

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

t (886-2) 2299-3279

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

f (886-2) 2298-0488



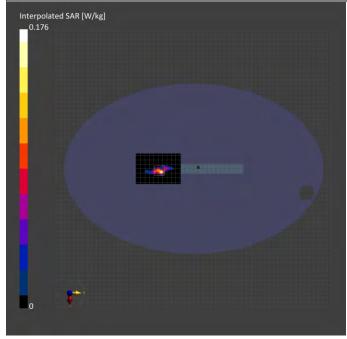
Report No.: TESA2206000138EN Page: 85 of 104

5.3

Report No. : TESA2206000138EN Measurement Report for Luna, Top Edge, U-NII-8, IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 207 (6985.0 MHz) Aux Ambient temperature: 22.5°C; Liquid temperature: 22.2°C **Exposure Conditions**

Exposure con	ultions					
Phantom Section,	TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S	/m] TSL Permittivity	
Flat, HSL Top Edge, 0.00		Top Edge, 0.00	5.85	6.749	35.01	
Hardware Setu	р					
Phantom	Probe, 0	Calibration Date	C	AE, Calibration Date		
ELI	EX3DV4	1 - SN7466, 2022-01-26	C	AE4 Sn558, 2021-11-	23	
Scans Setup						
			Area S	can	Zoom Scar	
Grid Extents [mm]			68.0 x 10	2.0	22.0 x 22.0 x 22.0	
Grid Steps [mm]			8.5 x 8.5		3.4 x 3.4 x 1.4	
Sensor Surface [n	nm]		3.0		1.4	
Measurement	Results	;				
				Area Scan	Zoom Sca	
Date				2022-06-24	2022-06-24	
psSAR1g [W/kg]			0.103		0.128	
psSAR8g [W/kg]			0.031		0.03	
psSAR10g [W/kg]				0.026	0.02	
psPDab (4.0cm2,	sq) [W/m	2]			0.66	
Power Drift [dB]				0.08	-0.0	
M2/M1 [%]					44.	

Dist 3dB Peak [mm]



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

t (886-2) 2299-3279

Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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



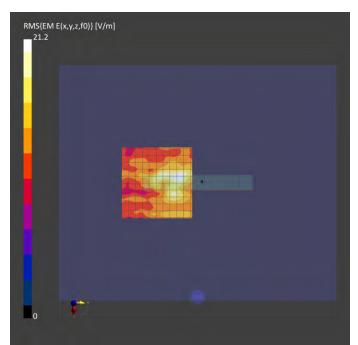
ID: 020

Report No. : TESA2206000138EN Measurement Report for Luna, Right Edge, U-NII-5, IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 15 (6025.0 MHz)_Main

ions

Exposur	e Conditi
---------	-----------

Phantom Section		Position, Test Distance [mm]		Conversion Factor	
5G		Right Edge, 2.00		1.0	
Hardware Setup)	-			
Phantom	Medium	Probe, Calibration Date		DAE, Calibration Date	
mmWave - 1076	Air -	EUmmWV4 - SN9579_F1-55GHz, 2	021-10-06	DAE4 Sn558, 2021-11-23	
Scans Setup					
Scan Type				5G Scan	
Grid Extents [mm]				100.0 x 100.0	
Grid Steps [lambda]		0.0625 x 0.0625		
Sensor Surface [mr	n]			2.0	
Measurement R	esults				
Scan Type				5G Scan	
Date				2022-06-25	
Avg. Area [cm²]				4.00	
psPDn+ [W/m²]				0.831	
psPDtot+ [W/m ²]				0.846	
psPDmod+ [W/m²]				0.878	
E _{max} [V/m]				21.2	
Power Drift [dB]				0.07	



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

t (886-2) 2299-3279

Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

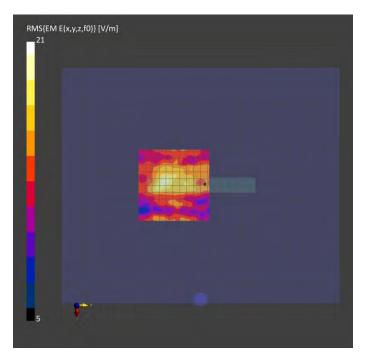
f (886-2) 2298-0488



Report No.: TESA2206000138EN Page: 87 of 104

Report No. : TESA2206000138EN Measurement Report for Luna, Right Edge, U-NII-5, IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 79 (6345.0 MHz) Main **Exposure Conditions**

Phantom Section		Position, Test Distance [mm]		Conversion Factor	
5G		Right Edge, 2.00		1.0	
Hardware Setup)				
Phantom	Medium	Probe, Calibration Date		DAE, Calibration Date	
mmWave - 1076	Air -	EUmmWV4 - SN9579_F1-55GHz, 2	2021-10-06	DAE4 Sn558, 2021-11-23	
Scans Setup					
Scan Type				5G Scan	
Grid Extents [mm]				100.0 x 100.0	
Grid Steps [lambda]		0.0625 x 0.0625		
Sensor Surface [mr	n]			2.0	
Measurement R	esults				
Scan Type				5G Scan	
Date				2022-06-25	
Avg. Area [cm²]				4.00	
psPDn+ [W/m²]				0.785	
psPDtot+ [W/m ²]				0.796	
psPDmod+ [W/m²]				0.820	
E _{max} [V/m]				19.0	
Power Drift [dB]				0.05	



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

t (886-2) 2299-3279

Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

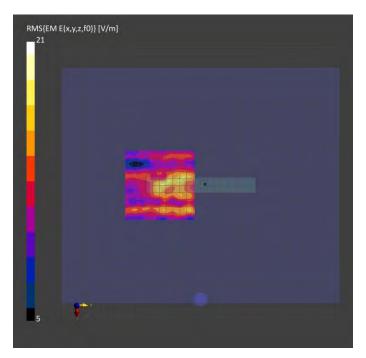
No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 f (886-2) 2298-0488



Report No.: TESA2206000138EN Page: 88 of 104

Report No. : TESA2206000138EN Measurement Report for Luna, Right Edge, U-NII-6, IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz) Main **Exposure Conditions**

Phantom Section		Position, Test Distance [mm]		Conversion Factor		
5G		Right Edge, 2.00		1.0		
Hardware Setup)					
Phantom	Medium	Probe, Calibration Date		DAE, Calibration Date		
mmWave - 1076	Air -	EUmmWV4 - SN9579_F1-55GHz, 202	1-10-06	DAE4 Sn558, 2021-11-23		
Scans Setup						
Scan Type				5G Scan		
Grid Extents [mm]				100.0 x 100.0		
Grid Steps [lambda]			0.0625 x 0.0625			
Sensor Surface [mn	n]			2.0		
Measurement R	esults					
Scan Type				5G Scan		
Date				2022-06-25		
Avg. Area [cm²]				4.00		
psPDn+ [W/m²]				0.598		
psPDtot+ [W/m ²]				0.619		
psPDmod+ [W/m²]				0.637		
E _{max} [V/m]				17.4		
Power Drift [dB]				-0.03		



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

t (886-2) 2299-3279

Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

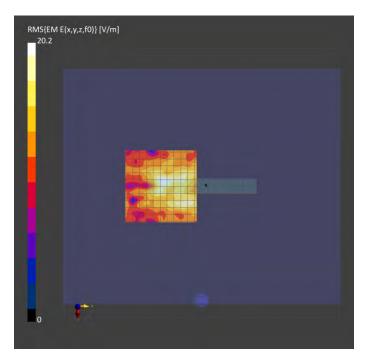
No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 f (886-2) 2298-0488



Report No.: TESA2206000138EN Page: 89 of 104

Report No. : TESA2206000138EN Measurement Report for Luna, Right Edge, U-NII-7, IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 143 (6665.0 MHz) Main **Exposure Conditions**

Phantom Section		Position, Test Distance [mm]		Conversion Factor	
5G		Right Edge, 2.00		1.0	
Hardware Setup)				
Phantom	Medium	Probe, Calibration Date		DAE, Calibration Date	
mmWave - 1076	Air -	EUmmWV4 - SN9579_F1-55GHz, 202	21-10-06	DAE4 Sn558, 2021-11-23	
Scans Setup					
Scan Type				5G Scan	
Grid Extents [mm]				100.0 x 100.0	
Grid Steps [lambda]		0.0625 x 0.0625		
Sensor Surface [mr	n]			2.0	
Measurement R	esults				
Scan Type				5G Scan	
Date				2022-06-25	
Avg. Area [cm²]				4.00	
psPDn+ [W/m²]				0.732	
psPDtot+ [W/m ²]				0.763	
psPDmod+ [W/m ²]				0.792	
E _{max} [V/m]				20.2	
Power Drift [dB]				0.08	



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

t (886-2) 2299-3279

Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

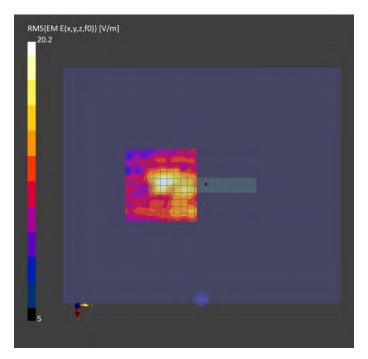
No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 f (886-2) 2298-0488



Report No.: TESA2206000138EN Page: 90 of 104

Report No. : TESA2206000138EN Measurement Report for Luna, Right Edge, U-NII-8, IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 207 (6985.0 MHz) Main **Exposure Conditions**

Phantom Section		Position, Test Distance [mm]		Conversion Factor		
5G		Right Edge, 2.00	Right Edge, 2.00			
Hardware Setup)					
Phantom	Medium	Probe, Calibration Date		DAE, Calibration Date		
mmWave - 1076	Air -	EUmmWV4 - SN9579_F1-55GHz, 2021	-10-06	DAE4 Sn558, 2021-11-23		
Scans Setup						
Scan Type				5G Scan		
Grid Extents [mm]				100.0 x 100.0		
Grid Steps [lambda]]		0.0625 x 0.0625			
Sensor Surface [mm]				2.0		
Measurement R	esults					
Scan Type				5G Scan		
Date				2022-06-25		
Avg. Area [cm²]				4.00		
psPDn+ [W/m²]	psPDn+ [W/m ²]			0.728		
psPDtot+ [W/m ²]				0.742		
psPDmod+ [W/m²]				0.757		
E _{max} [V/m]	E _{max} [V/m]			20.2		
Power Drift [dB]				0.04		



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

t (886-2) 2299-3279

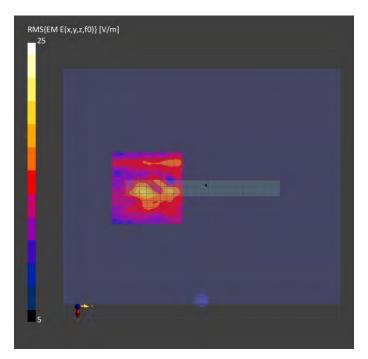
Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



Report No.: TESA2206000138EN Page: 91 of 104

Report No. : TESA2206000138EN Measurement Report for Luna, Top Edge, U-NII-5, IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 15 (6025.0 MHz) Aux **Exposure Conditions**

Phantom Section		Position, Test Distance [mm]		Conversion Factor		
5G		Top Edge, 2.00	Top Edge, 2.00			
Hardware Setup)					
Phantom	Medium	Probe, Calibration Date		DAE, Calibration Date		
mmWave - 1076	Air -	EUmmWV4 - SN9579_F1-55GHz, 20	21-10-06	DAE4 Sn558, 2021-11-23		
Scans Setup						
Scan Type				5G Scan		
Grid Extents [mm]				100.0 x 100.0		
Grid Steps [lambda]			0.0625 x 0.0625			
Sensor Surface [mm]				2.0		
Measurement R	esults					
Scan Type				5G Scan		
Date				2022-06-25		
Avg. Area [cm ²]				4.00		
psPDn+ [W/m²]				0.767		
psPDtot+ [W/m ²]				0.775		
psPDmod+ [W/m²]				0.786		
E _{max} [V/m]				19.4		
Power Drift [dB]				0.13		



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

Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,何時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

t (886-2) 2299-3279 台灣檢驗科技股份有限公司

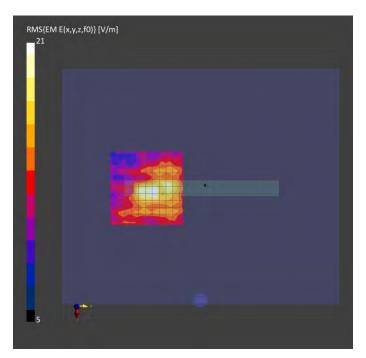
No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 f (886-2) 2298-0488



Report No.: TESA2206000138EN Page: 92 of 104

Report No. : TESA2206000138EN Measurement Report for Luna, Top Edge, U-NII-5, IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 47 (6185.0 MHz) Aux **Exposure Conditions**

Phantom Section		Position, Test Distance [mm]		Conversion Factor		
5G		Top Edge, 2.00		1.0		
Hardware Setup)					
Phantom	Medium	Probe, Calibration Date		DAE, Calibration Date		
mmWave - 1076	Air -	EUmmWV4 - SN9579_F1-55GHz, 202	21-10-06	DAE4 Sn558, 2021-11-23		
Scans Setup						
Scan Type				5G Scan		
Grid Extents [mm]				100.0 x 100.0		
Grid Steps [lambda]			0.0625 x 0.0625			
Sensor Surface [mm]				2.0		
Measurement R	esults					
Scan Type				5G Scan		
Date				2022-06-25		
Avg. Area [cm²]				4.00		
psPDn+ [W/m²]	psPDn+ [W/m ²]			0.80		
psPDtot+ [W/m ²]				0.911		
psPDmod+ [W/m²]				0.996		
E _{max} [V/m]				21.0		
Power Drift [dB]				0.04		



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

t (886-2) 2299-3279

Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,何時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

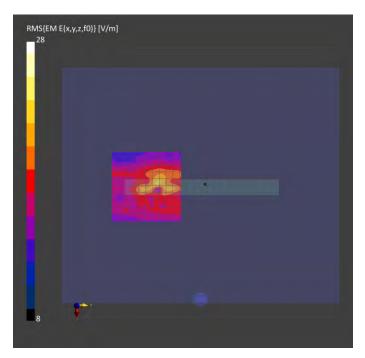
No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號



Report No.: TESA2206000138EN Page: 93 of 104

Report No. : TESA2206000138EN Measurement Report for Luna, Top Edge, U-NII-6, IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz) Aux **Exposure Conditions**

Phantom Section		Position, Test Distance [mm]		Conversion Factor		
5G		Top Edge, 2.00	Top Edge, 2.00			
Hardware Setup)					
Phantom	Medium	Probe, Calibration Date		DAE, Calibration Date		
mmWave - 1076	Air -	EUmmWV4 - SN9579_F1-55GHz, 2	2021-10-06	DAE4 Sn558, 2021-11-23		
Scans Setup						
Scan Type				5G Scan		
Grid Extents [mm]				100.0 x 100.0		
Grid Steps [lambda]			0.0625 x 0.0625			
Sensor Surface [mm]				2.0		
Measurement R	esults					
Scan Type				5G Scan		
Date				2022-06-25		
Avg. Area [cm ²]				4.00		
psPDn+ [W/m²]	psPDn+ [W/m ²]			1.0		
psPDtot+ [W/m ²]				1.08		
psPDmod+ [W/m²]				1.11		
E _{max} [V/m]				22.3		
Power Drift [dB]				0.11		



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

Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,何時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

t (886-2) 2299-3279 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

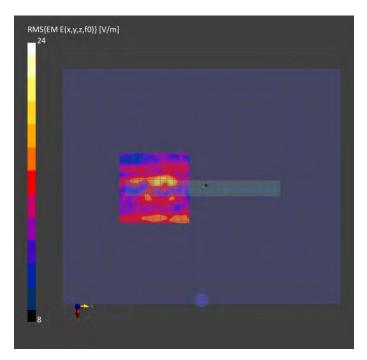
www.sgs.com.tw



Report No.: TESA2206000138EN Page: 94 of 104

Report No. : TESA2206000138EN Measurement Report for Luna, Top Edge, U-NII-7, IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 175 (6825.0 MHz) Aux **Exposure Conditions**

Phantom Section		Position, Test Distance [mm]		Conversion Factor		
5G		Top Edge, 2.00	Top Edge, 2.00			
Hardware Setup)					
Phantom	Medium	Probe, Calibration Date		DAE, Calibration Date		
mmWave - 1076	Air -	EUmmWV4 - SN9579_F1-55GHz, 202	1-10-06	DAE4 Sn558, 2021-11-23		
Scans Setup						
Scan Type				5G Scan		
Grid Extents [mm]				100.0 x 100.0		
Grid Steps [lambda]	Grid Steps [lambda]			0.0625 x 0.0625		
Sensor Surface [mm]				2.0		
Measurement R	esults					
Scan Type				5G Scan		
Date				2022-06-25		
Avg. Area [cm²]				4.00		
psPDn+ [W/m²]				0.85		
psPDtot+ [W/m ²]				0.861		
psPDmod+ [W/m²]				0.886		
E _{max} [V/m]				20.3		
Power Drift [dB]				0.09		



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

t (886-2) 2299-3279

Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,何時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

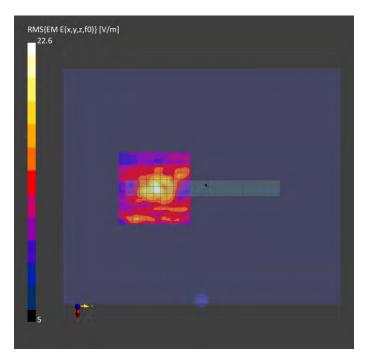
No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 f (886-2) 2298-0488



Report No.: TESA2206000138EN Page: 95 of 104

Report No. : TESA2206000138EN Measurement Report for Luna, Top Edge, U-NII-8, IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 207 (6985.0 MHz) Aux **Exposure Conditions**

Phantom Section		Position, Test Distance [mm]		Conversion Factor		
5G		Top Edge, 2.00"		1.0		
Hardware Setup						
Phantom	Medium	Probe, Calibration Date		DAE, Calibration Date		
mmWave - 1076	Air -	EUmmWV4 - SN9579_F1-55GHz, 2021	-10-06	DAE4 Sn558, 2021-11-23		
Scans Setup			1			
Scan Type				5G Scan		
Grid Extents [mm]				100.0 x 100.0		
Grid Steps [lambda]]		0.0625 x 0.0625			
Sensor Surface [mm]				2.0		
Measurement R	esults					
Scan Type				5G Scan		
Date				2022-06-25		
Avg. Area [cm²]				4.00		
psPDn+ [W/m²]	psPDn+ [W/m²]			0.70		
psPDtot+ [W/m ²]				0.787		
psPDmod+ [W/m²]				0.924		
E _{max} [V/m]	E _{max} [V/m]			22.6		
Power Drift [dB]				-0.07		



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

t (886-2) 2299-3279

Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,何時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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

www.sgs.com.tw



Report No.: TESA2206000138EN Page: 96 of 104

Date: 2022/6/20

Report No. :TESA2206000138EN Dipole 2450 MHz_SN:727

Communication System: CW; Frequency: 2450 MHz; Duty cycle= 1:1 Medium parameters used: f = 2450 MHz; σ = 1.842 S/m; ϵ_r = 37.709; ρ = 1000 kg/m³ Phantom section: Flat Section Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(8.2, 8.2, 8.2) @ 2450 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x61x1): Interpolated grid: dx=12 mm, dy=12 mm

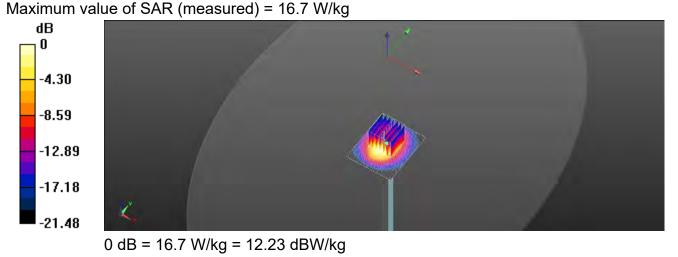
Maximum value of SAR (interpolated) = 18.1 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 99.69 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 25.9 W/kg

SAR(1 g) = 13 W/kg; SAR(10 g) = 6.25 W/kg Smallest distance from peaks to all points 3 dB below = 9.8 mm Ratio of SAR at M2 to SAR at M1 = 51.1%



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.



Report No.: TESA2206000138EN

Page: 97 of 104

Date: 2022/6/21

Report No. : TESA2206000138EN Dipole 5250 MHz SN:1023

Communication System: CW; Frequency: 5250 MHz; Duty cvcle= 1:1 Medium parameters used: f = 5250 MHz; σ = 4.666 S/m; ϵ_r = 36.897; ρ = 1000 kg/m³ Phantom section: Flat Section Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(5.6, 5.6, 5.6) @ 5250 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 15.2 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 61.79 V/m; Power Drift = 0.12 dB

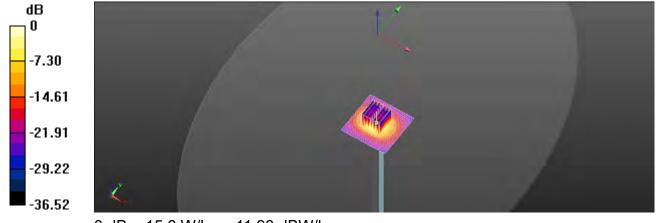
Peak SAR (extrapolated) = 28.5 W/kg

SAR(1 g) = 7.79 W/kg; SAR(10 g) = 2.3 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 58%

Maximum value of SAR (measured) = 15.6 W/kg



0 dB = 15.6 W/kg = 11.93 dBW/kg

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

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

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



Report No.: TESA2206000138EN

Page: 98 of 104

Date: 2022/6/22

Report No. :TESA2206000138EN Dipole 5600 MHz_SN:1023

Communication System: CW; Frequency: 5600 MHz; Duty cycle= 1:1 Medium parameters used: f = 5600 MHz; σ = 5.119 S/m; ϵ_r = 35.917; ρ = 1000 kg/m³ Phantom section: Flat Section Ambient temperature: 22.3°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(5, 5, 5) @ 5600 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 15.4 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 61.81 V/m; Power Drift = 0.06 dB

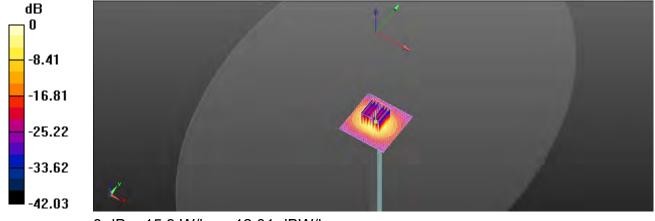
Peak SAR (extrapolated) = 30.9 W/kg

SAR(1 g) = 8.03 W/kg; SAR(10 g) = 2.37 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 55.2%

Maximum value of SAR (measured) = 15.9 W/kg



0 dB = 15.9 W/kg = 12.01 dBW/kg

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

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

```
www.sgs.com.tw
```

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



Report No.: TESA2206000138EN

Page: 99 of 104

Date: 2022/6/23

Report No. : TESA2206000138EN Dipole 5750 MHz SN:1023

Communication System: CW; Frequency: 5750 MHz; Duty cvcle= 1:1 Medium parameters used: f = 5750 MHz; σ = 5.391 S/m; ϵ_r = 36.357; ρ = 1000 kg/m³ Phantom section: Flat Section Ambient temperature: 21.9°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(5.05, 5.05, 5.05) @ 5750 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 15.9 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 58.14 V/m; Power Drift = 0.06 dB

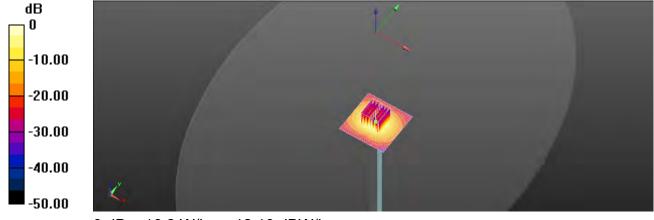
Peak SAR (extrapolated) = 32.5 W/kg

SAR(1 g) = 7.81 W/kg; SAR(10 g) = 2.25 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 54%

Maximum value of SAR (measured) = 16.2 W/kg



0 dB = 16.2 W/kg = 12.10 dBW/kg

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

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

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

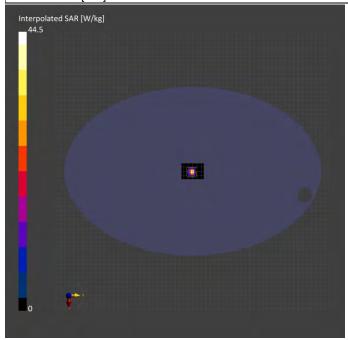


Report No.: TESA2206000138EN Page: 100 of 104

Report No. : TESA2206000138EN Measurement Report for Device, FRONT, Validation band, CW, Channel 6500 (6500.0 MHz), SN:1006 Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

					T.	
Phantom Section,	TSL	Position, Test Distance [mm]	Conversion Fac	ctor	TSL Conductivity [S/n	n] TSL Permittivity
Flat, HSL		FRONT, 5.00	5.65		6.216	35.592
Hardware Setu	р					
Phantom	Probe, 0	Calibration Date		DA	E, Calibration Date	
ELI	EX3DV4	4 - SN7466, 2022-01-26		DA	E4 Sn558, 2021-11-23	3
Scans Setup						
			Are	ea Scar	ו	Zoom Scar
Grid Extents [mm]			36.	0 x 51.0)	22.0 x 22.0 x 22.
Grid Steps [mm]			6	6.0 x 8.5	5	3.4 x 3.4 x 1.4
Sensor Surface [n	nm]			3.0		1.4
Measurement	Results	6				
					Area Scan	Zoom Sca
Date					2022-06-24	2022-06-2
psSAR1g [W/kg]					25.0	29.5
psSAR8g [W/kg]					6.19	6.8
psSAR10g [W/kg]				5.13		5.5
psPDab (4.0cm2, sq) [W/m2]						13
Power Drift [dB]					-0.02	0.0
M2/M1 [%]						51.
Dist 3dB Peak [mr						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.

t (886-2) 2299-3279

Unless other wire stated: the results stoken in this less report relet only to be stated and used states and to be days only. 除非另有說明,此報告結果僅對測試之樣品負責,何時此樣品僅保留90.5 «本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

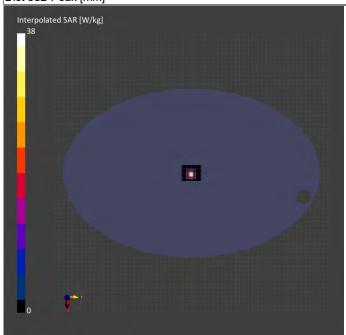
f (886-2) 2298-0488



Report No. : TESA2206000138EN Measurement Report for Device, FRONT, Validation band, CW, Channel 7000 (7000.0 MHz), SN:1007 Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

Exposure Conditions

Lyposule (3			
Phantom Section, TSL		Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL FRONT, 5.00		FRONT, 5.00	5.85	6.766	34.992
Hardware S	Setup				
Phantom	Probe,	Calibration Date	D	AE, Calibration Date	
ELI	EX3DV	/4 - SN7466, 2022-01-26	D	AE4 Sn558, 2021-11-23	
Scans Setu	р				
			Area Sca	an	Zoom Scar
Grid Extents [mm]		36.0 x 45	.0	22.0 x 22.0 x 22.0
Grid Steps [m	m]		6.0 x 7	.5	3.0 x 3.0 x 1.4
Sensor Surface	ce [mm]		3	.0	1.4
Measureme	ent Result	S			
				Area Scan	Zoom Scar
Date				2022-06-24	2022-06-24
psSAR1g [W/	kg]			23.9	
psSAR8g [W/kg]				5.75	
psSAR10g [W/kg]				4.77	
psPDab (4.0cm2, sq) [W/m2]					120
Power Drift [d	B]			-0.05	-0.09
M2/M1 [%]					51.7
Dist 3dB Peak [mm]					4.8



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

t (886-2) 2299-3279

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



14 PD SYSTEM CHECK RESULT

Report No. : TESA2206000138EN

Measurement Report for 5G Verification Source 10GHz, FRONT, Validation band, CW, Channel 10000 (10000.0 MHz), SN:1021

Exposure Conditions

Phantom Section			Position, Test Distance [mm]	Conversion Factor		
5G			FRONT, 10.00	1.0		
Hardware	Setup		·			
Phantom	Medium	Probe, C	Calibration Date	DAE, Calibration Date		
mmWave	Air -	EUmmW	/V4 - SN9579_F1-55GHz, 2021-10-06	DAE4 Sn558, 2021-11-23		
Scans Set	up					
Scan Type				5G Scan		
Grid Extents	s [mm]			120.0 x 120.0		
Grid Steps [lambda]			0.25 x 0.25		
Sensor Surface [mm]				10.0		
Measuren	nent Resul	ts				
Scan Type				5G Scan		
Date				2022-06-25		
Avg. Area [c	m²]			4.00		
psPDn+ [W/m ²]				54.0		
psPDtot+ [W/m ²]				54.2		
psPDmod+ [W/m ²]				54.3		
E _{max} [V/m]				15		
Power Drift [dB]				0.0		

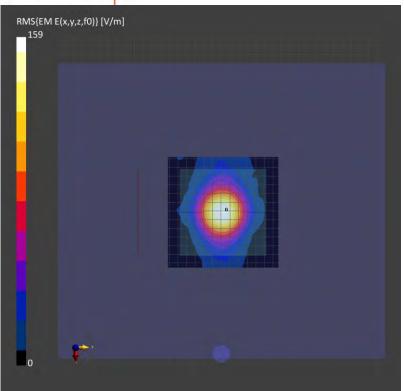
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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

```
www.sgs.com.tw
```



Report No.: TESA2206000138EN Page: 103 of 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.

No.134,Wu Kung Road, New Taipei Industrial 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
```



Refer to separated files for the following appendixes.

- 15.1 TESA2206000138EN SAR_Appendix A Photographs
- 15.2 TESA2206000138EN SAR_Appendix B DAE & Probe Cal. Certificate
- 15.3 TESA2206000138EN SAR_Appendix C Phantom Description & Dipole Cal. Certificate

- 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 form exercising all their rights and obligations under the transaction document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.