

SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 1 of 47

FCC SAR TEST REPORT

Application No.: SZCR2311003545AT

Applicant: Shenzhen Xinguodu Technology Co., Ltd.

Address of Applicant: 17B JinSong Mansion, Terra Industrial & Trade Park Chegongmiao,

Futian District, Shenzhen, 518040 China

Manufacturer: Shenzhen Xinguodu Technology Co., Ltd.

Address of Manufacturer: 17B JinSong Mansion, Terra Industrial & Trade Park Chegongmiao,

Futian District, Shenzhen, 518040 China

Factory: Shenzhen Xinguodu Technology Co., Ltd. Manufacture Branch.

Address of Factory:

Building C, Dagang Industrial Park, Changzhen Community, Gongming

Office, Guangming New District, Shenzhen, Guangdong, China.

Product Name: Countertop Base/Docking Station

Model No.(EUT): T6

Trade mark: NEXGO FCC ID: XDQT6-04

Standard(s): FCC 47CFR §2.1093

Date of Receipt: 2023-11-20

Date of Test: 2023-11-21 to 2023-11-23

Date of Issue: 2023-11-27

Test Result: Pass*

Keny XII

EMC Laboratory Manager



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's sindings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@ass.com"

Attention: To check the authenticity of festing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: C.M.Doccheck@sgs.com
|No.1 Workshop, M-10, Midde Section, Science & Technology Part, Nanshan Dishid, Shenzhan, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

^{*} In the configuration tested, the EUT complied with the standards specified above.



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 2 of 47

Revision Record			
Version	Description	Date	Remark
00	Original	2023-11-27	1

Authorized for issue by:		
	Roman Pan	
	Roman Pan/Project Engineer	
	Exic Fu	
	Eric Fu/Reviewer	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/sn/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's sindings at the time of its intervention only and within the limits of Client is instructions, if any. The Company's older 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. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN. Doccheck@ags.com

 or email: CN.Doccheck@sgs.com

 No.1 Workshop, k-ID, Middle Section, Science & Technology Part, Nearshan District, Shenzhen, Ganagdong, China 518057
 t (86-755) 26012053
 f (86-755) 26710594
 wwww.sgsgroup.com.cn

 中国・广东・深圳市南山区科技园中区M-10株1号厂房 邮编: 518057
 t (86-755) 26012053
 f (86-755) 26710594
 wsgs.china@sgs.com



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 3 of 47

TEST SUMMARY

	Maximum Reported SAR(W/kg)
Frequency Band	Limbs
LTE Band 5	0.80
LTE Band 7	1.48
LTE Band 38	0.83
LTE Band 41	1.18
SAR Limited(W/kg)	4.0



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CAD.Doccheck@gs.com

or email: CN. <u>Doccheck@sqs.com</u>
No.1 Workshop, M-10, Middle Section, Science & Technology Part, Nanshan District, Shenzhan, Guangdong, China 518057

中国・广东・深圳市南山区科技园中区M-10株1号厂房 邮编: 518057

t (86-755) 26012053

f (86-755) 26710594

www.sgsgroup.com.cn

t (86-755) 26012053

f (86-755) 26710594

sgs.china@sgs.com



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 4 of 47

CONTENTS

1	GENERAL INFORMATION	6
	1.1 GENERAL DESCRIPTION OF EUT	7
	1.2 TEST SPECIFICATION	
	1.3 RF EXPOSURE LIMITS	
	1.4 TEST LOCATION	
2	LABORATORY ENVIRONMENT	11
3	SAR MEASUREMENTS SYSTEM CONFIGURATION	12
	3.1 THE SAR MEASUREMENT SYSTEM	12
	3.2 ISOTROPIC E-FIELD PROBE EX3DV4	
	3.3 DATA ACQUISITION ELECTRONICS (DAE)	
	3.4 SAM TWIN PHANTOM	
	3.5 ELI PHANTOM	
	3.6 DEVICE HOLDER FOR TRANSMITTERS	
	3.7 MEASUREMENT PROCEDURE	
	3.7.1 Scanning procedure	
	3.7.2 Data Storage	
4	•	
•		
	4.1 SAR MEASUREMENT VARIABILITY	
	4.2 SAR MEASUREMENT UNCERTAINTY	
5		
	5.1 EXTREMITY EXPOSURE CONDITIONS	
6		
	6.1 TISSUE SIMULATE LIQUID	
	6.1.1 Recipes for Tissue Simulate Liquid	25
	6.1.2 Test Liquids Confirmation	
	6.1.3 Measurement for Tissue Simulate Liquid	
	6.2 SAR SYSTEM CHECK	
	6.2.1 Justification for Extended SAR Dipole Calibrations	
	6.2.3 Detailed System Check Results	
7		
8		
	8.1.1 Conducted Power Of LTE	34



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CAD.Doccheck@gs.com



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.:	SZCR2311	00354504
-------------	----------	----------

Page: 5 of 47

	8.2 M	MEASUREMENT OF SAR DATASAR Result Of LTE Band 5SAR Result Of LTE Band 7	40
	8.2.1	SAR Result Of LTE Band 5	41
	8.2.2	SAR Result Of LTE Band 7	42
	8.2.3	SAR Result Of LTE Band 38	43
	8.2.4	SAR Result Of LTE Band 41	44
9	EQUIP	PMENT LIST	45
10	CALIB	BRATION CERTIFICATE	46
11	РНОТ	OGRAPHS	46
ΑP	PENDIX	A: DETAILED SYSTEM CHECK RESULTS	47
ΑP	PENDIX	B: DETAILED TEST RESULTS	47
ΑP	PENDIX	C: CALIBRATION CERTIFICATE	47
ΑP	PENDIX	D: PHOTOGRAPHS	47

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@ags.com"



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 6 of 47

1 General Information

1.1 General Description of EUT

Product Phase:	Production unit		
Device Type :	Portable device		
Exposure Category:	Uncontrolled enviror	nment / general population	
SN:	00062000087		
Hardware Version:	V1.00		
Software Version:	V1.00		
Antenna Gain:	· ·	7: 3.98dBi, B38: 3.99dBi, B	41: 3.99dBi (Provided
Antenna Gan.	by Manufacturer)		
Antenna Type:	PIFA antenna		
Device Operating Configurations:			
Modulation Mode:	LTE: QPSK,16QAM		
Power Class:	1, tested with power control Max Power(LTE Band 5/7/38/41)		
	Band	Tx (MHz)	Rx (MHz)
	LTE Band 5	824-849	869-894
Frequency Bands:	LTE Band 7	2500-2570	2620- 2690
	LTE Band 38	2570~2620	2570~2620
	LTE Band 41	2535-2675	2535-2675
	Model:	G2-18650	
	Normal Voltage:	DC 3.7V	
Battery Information:	Rated capacity:	2600mAh	
	Battery Type:	Rechargeable Li-ion Battery	
	Manufacturer:	Shenzhen Xinguodu Technology Co., Ltd.	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CAD.Doccheck@gs.com



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 7 of 47

1.1.1 DUT Antenna Locations

Please see the Appendix D



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CAD.Doccheck@gs.com



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 8 of 47

1.2 Test Specification

Identity	Document Title
FCC 47CFR §2.1093	Radio frequency Radiation Exposure Evaluation: Portable Devices
IEEE Std C95.1 – 1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Electric, Magnetic, and Electromagnetic Fields, 0 Hz to 300 GHz
IEEE Std 1528-2013	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
KDB 447498 D04v01	RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices
KDB 941225 D05 v02r05	SAR EVALUATION CONSIDERATIONS FOR LTE DEVICES
KDB 865664 D01 v01r04	SAR Measurement Requirements for 100 MHz to 6 GHz
KDB 865664 D01 v01r02	RF Exposure Compliance Reporting and Documentation Considerations



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 9 of 47

1.3 RF exposure limits

Human Exposure	Uncontrolled Environment General Population	Controlled Environment Occupational
Spatial Peak SAR*	1.60 W/kg	9 00 W/kg
(Brain*Trunk)	1.60 W/kg	8.00 W/kg
Spatial Average SAR**	0.08 W/ka	0.40 W/kg
(Whole Body)	0.08 W/kg	
Spatial Peak SAR***	4.00 \\\/\\	20.00 W/kg
(Hands/Feet/Ankle/Wrist)	4.00 W/kg	

Notes:

Uncontrolled Environments are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure.

Controlled Environments are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation.)



^{*} The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time

^{**} The Spatial Average value of the SAR averaged over the whole body.

^{***} The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 10 of 47

1.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

1.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• VCCI (Member No. 1937)

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• FCC -Designation Number: CN1336

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

• Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.





SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 11 of 47

2 Laboratory Environment

aberatery	
Temperature	Min. = 18°C, Max. = 25 °C
Relative humidity	Min. = 30%, Max. = 70%
Ground system resistance	< 0.5 Ω
Ambient noise is checked and found very low and in compliance with requirement of standards.	

Ambient noise is checked and found very low and in compliance with requirement of standards. Reflection of surrounding objects is minimized and in compliance with requirement of standards.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CAD.Doccheck@gs.com



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 12 of 47

3 SAR Measurements System Configuration

3.1 The SAR Measurement System

This SAR Measurement System uses a Computer-controlled 3-D stepper motor system (SPEAG DASY5 professional system). A E-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-Simulate.

The DASY5 system for performing compliance tests consists of the following items:

A standard high precision 6-axis robot (Stabile RX family) with controller, teach pendant and software .An arm extension for accommodation the data acquisition electronics (DAE).

A dosimetric probe, i.e., an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.

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 between optical and electrical of the signals for the digital communication to DAE and for the analog signal from the optical surface detection. The EOC is connected to the measurement server.

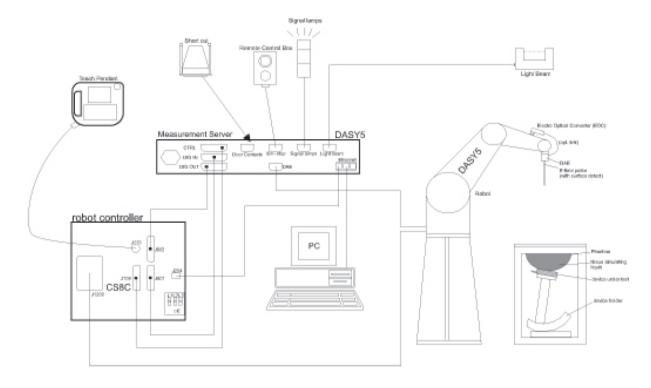




SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 13 of 47



F-1. SAR Measurement System Configuration

- 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.
- A probe alignment unit which improves the (absolute) accuracy of the probe positioning.
- A computer operating Windows 7.
- DASY5 software.
- Remote control with teach pendant and additional circuitry for robot safety such as warning lamps, etc.
- The SAM twin phantom enabling testing left-hand, right-hand and Body Worn usage.
- The device holder for handheld mobile phones.
- Tissue simulating liquid mixed according to the given recipes.
- Validation dipole kits allowing to validat the proper functioning of the system.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CAD.Doccheck@gs.com



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 14 of 47

3.2 Isotropic E-field Probe EX3DV4

	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Calibration	ISO/IEC 17025 calibration service available.
Frequency	10 MHz to > 6 GHz Linearity: ± 0.2 dB (30 MHz to 6 GHz)
Directivity	± 0.3 dB in TSL (rotation around probe axis) ± 0.5 dB in TSL (rotation normal to probe axis)
Dynamic Range	10 μW/g to > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 μW/g)
Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields); the only probe that enables compliance testing for frequencies up to 6 GHz with precision of better 30%.
Compatibility	DASY3, DASY4, DASY52 SAR and higher, EASY4/MRI



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CAD.Doccheck@gs.com



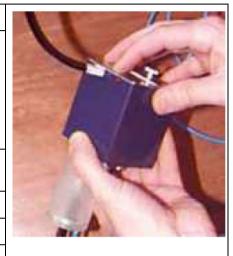
SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 15 of 47

3.3 Data Acquisition Electronics (DAE)

Model	DAE4
Construction	Signal amplifier, multiplexer, A/D converter and control logic. Serial optical link for communication with DASY4/5 embedded system (fully remote controlled). Two step probe touch detector for mechanical surface detection and emergency robot stop.
Measurement Range	-100 to +300 mV (16 bit resolution and two range settings: 4mV,400mV)
Input Offset Voltage	< 5μV (with auto zero)
Input Bias Current	< 50 f A
Dimensions	60 x 60 x 68 mm



3.4 SAM Twin Phantom

Material	Vinylester, glass fiber reinforced (VE-GF)
Liquid Compatibility	Compatible with all SPEAG tissue simulating liquids (incl. DGBE type)
Shell Thickness	2 ± 0.2 mm (6 ± 0.2 mm at ear point)
Dimensions	Length: 1000 mm
(incl. Wooden Support)	Width: 500 mm Height: adjustable feet
Filling Volume	approx. 25 liters
Wooden Support	SPEAG standard phantom table



The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom defined in IEEE 1528 and IEC 62209-1. It enables the dosimetric evaluation of left and right hand phone usage as well as body mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by teaching three points with the robot.

Twin SAM V5.0 has the same shell geometry and is manufactured from the same material as Twin SAM V4.0, but has reinforced top structure.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CAD.Doccheck@gs.com



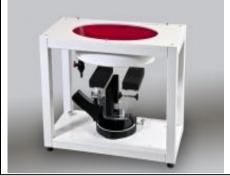
SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 16 of 47

3.5 ELI Phantom

Material	Vinylester, glass fiber reinforced (VE-GF)
Liquid Compatibility	Compatible with all SPEAG tissue simulating liquids (incl. DGBE type)
Shell Thickness	2.0 ± 0.2 mm (bottom plate)
Dimensions	Major axis: 600 mm Minor axis: 400 mm
Filling Volume	approx. 30 liters
Wooden Support	SPEAG standard phantom table



Phantom 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.

ELI V5.0 has the same shell geometry and is manufactured from the same material as ELI4, but has reinforced top structure.





SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 17 of 47

3.6 Device Holder for Transmitters



F-2. Device Holder for Transmitters

- The DASY device holder is designed to cope with different positions given in the standard. It has two scales for the device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear reference points). The rotation centres for both scales are the ear reference point (ERP). Thus the device needs no repositioning when changing the angles.
- The DASY device holder has been made out of low-loss POM material having the following dielectric parameters: relative permittivity ε =3 and loss tangent δ =0.02. The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's sindings at the time of its intervention only and within the limitis of Client is structions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN. Doccheck-Mass.com



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 18 of 47

3.7 Measurement procedure

3.7.1 Scanning procedure

Step 1: Power reference measurement

The "reference" and "drift" measurements are located at the beginning and end of the batch process. They measure the field drift at one single point in the liquid over the complete procedure.

Step 2: Area scan

The SAR distribution at the exposed side of the head was measured at a distance of 4mm from the inner surface of the shell. The area covered the entire dimension of the head and the horizontal grid spacing was 15mm*15mm or 12mm*12mm or 10mm*10mm.Based on the area scan data, the area of the maximum absorption was determined by spline interpolation.

Step 3: Zoom scan

Around this point, a volume of 30mm*30mm*30mm (fine resolution volume scan, zoom scan) was assessed by measuring 5x5x7 points (≤2GHz) and 7x7x7 points (≥2GHz). On this basis of this data set, the spatial peak SAR value was evaluated with the following procedure:

The data at the surface was extrapolated, since the centre of the dipoles is 2.0mm away from the tip of the probe and the distance between the surface and the lowest measuring point is 1.2mm. (This can be variable. Refer to the probe specification). The extrapolation was based on a least square algorithm. A polynomial of the fourth order was calculated through the points in z-axes. This polynomial was then used to evaluate the points between the surface and the probe tip. The maximum interpolated value was searched with a straight-forward algorithm. Around this maximum the SAR values averaged over the spatial volumes (1g or 10g) were computed using the 3D-Spline interpolation algorithm. The volume was integrated with the trapezoidal algorithm. One thousand points were interpolated to calculate the average. All neighbouring volumes were evaluated until no neighboring volume with a higher average value was found.

The area and zoom scan resolutions specified in the table below must be applied to the SAR measurements Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Both the probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1-g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEEE Std. 1528-2013.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.ags.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's solde responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 19 of 47

			≤3 GHz	> 3 GHz		
Maximum distance from		•	5 ± 1 mm	½·δ·ln(2) ± 0.5 mm		
Maximum probe angle surface normal at the n	•	-	30° ± 1°	20° ± 1°		
			≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm		
Maximum area scan sp	atial resolt	ntion: Δx _{Area} , Δy _{Area}	When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.			
Maximum zoom scan s	spatial reso	lution: Δx_{Zoom} , Δy_{Zoom}	≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*		
	uniform	grid: Δz _{Zoom} (n)	≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm		
Maximum zoom scan spatial resolution, normal to phantom surface	graded	Δz _{Zoom} (1): between 1 st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm		
grid $\Delta z_{Zoom}(n>1)$: between subsequent points			$\leq 1.5 \cdot \Delta z_{Zoom}(n-1)$			
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm		

Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.

Step 4: Power reference measurement (drift)

The Power Drift Measurement job measures the field at the same location as the most recent power reference measurement job within the same procedure, and with the same settings. The indicated drift is mainly the variation of the DUT's output power and should vary max. \pm 5 %



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's solide at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CND Doccheck@ass.com"

or email: CN.Doccheck@sgs.com

No.1 Workshop, M-10, Midds Section, Science & Technology Part, Manshan District, Shenzhen, Guangdong, China 518057

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057

t (86-755) 26012053

f (86-755) 26710594

www.sgsgroup.com.cn

t (86-755) 26012053

f (86-755) 26710594

sgs.china@sgs.com

When zoom scan is required and the <u>reported</u> SAR from the area scan based 1-g SAR estimation procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 20 of 47

3.7.2 Data Storage

The DASY software stores the acquired data from the data acquisition electronics as raw data (in microvolt readings from the probe sensors), together with all necessary software parameters for the data evaluation (probe calibration data, liquid parameters and device frequency and modulation data) in measurement files with the extension ".DAE3". The software evaluates the desired unit and format for output each time the data is visualized or exported. This allows verification of the complete software setup even after the measurement and allows correction of incorrect parameter settings. For example, if a measurement has been performed with a wrong crest factor parameter in the device setup, the parameter can be corrected afterwards and the data can be reevaluated. The measured data can be visualized or exported in different units or formats, depending on the selected probe type ([V/m], [A/m], [°C], [m W/g], [m W/cm²], [dBrel], etc.). Some of these units are not available in certain situations or show meaningless results, e.g., a SAR output in a lossless media will always be zero. Raw data can also be exported to perform the evaluation with other software packages.

3.7.3 Data Evaluation by SEMCAD

The SEMCAD software automatically executes the following procedures to calculate the field units from the microvolt readings at the probe connector. The parameters used in the evaluation are stored in the configuration modules of the software:

Probe parameters: - Sensitivity Normi, ai0, ai1, ai2

Conversion factor ConvFiDiode compression point Dcpi

Device parameters: - Frequency f

- Crest factor cf

Media parameters: - Conductivity ε

- Density ρ

These parameters must be set correctly in the software. They can be found in the component documents or they can be imported into the software from the configuration files issued for the DASY components. In the direct measuring mode of the multimeter option, the parameters of the actual system setup are used. In the scan visualization and export modes, the parameters stored in the corresponding document files are used.

The first step of the evaluation is a linearization of the filtered input signal to account for the compression characteristics of the detector diode. The compensation depends on the input signal, the diode type and the DC-transmission factor from the diode to the evaluation electronics.

If the exciting field is pulsed, the crest factor of the signal must be known to correctly compensate for peak power. The formula for each channel can be given as:

$$V_i = U_i + U_i^2 \cdot c f / d c p_i$$

With Vi = compensated signal of channel i (i = x, y, z)

Ui = input signal of channel i (i = x, y, z)



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's sindings at the time of its intervention only and within the limits of Clien's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

to the fullest extent of the law. Others and the samples are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CM, Doccheck@ags.com



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 21 of 47

cf = crest factor of exciting field (DASY parameter) dcp i = diode compression point (DASY parameter)

From the compensated input signals the primary field data for each channel can be evaluated:

E-field probes:

$$E_i = (V_i / Norm_i \cdot ConvF)^{1/2}$$

H-field probes:

$$H_i = (V_i)^{1/2} \cdot (a_{i0} + a_{i1}f + a_{i2}f^2)/f$$

With Vi = compensated signal of channel i (i = x, y, z)

Normi = sensor sensitivity of channel I (i = x, y, z)

[mV/(V/m)2] for E-field Probes

ConvF = sensitivity enhancement in solution

aij = sensor sensitivity factors for H-field probes

f = carrier frequency [GHz]

Ei = electric field strength of channel i in V/m

Hi = magnetic field strength of channel i in A/m

The RSS value of the field components gives the total field strength (Hermitian magnitude):

$$E_{tot} = (E_x^2 + E_y^2 + E_z^2)^{1/2}$$

The primary field data are used to calculate the derived field units.

$$SAR = (Etot^2 \cdot \sigma) / (\varepsilon \cdot 1000)$$

With SAR = local specific absorption rate in mW/g

Etot = total field strength in V/m

σ= conductivity in [mho/m] or [Siemens/m]

ε= equivalent tissue density in g/cm3

Note that the density is normally set to 1 (or 1.06), to account for actual brain density rather than the density of the simulation liquid. The power flow density is calculated assuming the excitation field to be a free space field.

$$P_{pwe} = E_{tot}^2 \frac{2}{3770} P_{pwe} = H_{tot}^2 \cdot 37.7$$

with Ppwe = equivalent power density of a plane wave in mW/cm2

Etot = total electric field strength in V/m

Htot = total magnetic field strength in A/m



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's sindings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

to the fullest extent of the law. Others and the samples are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CM, Doccheck@ags.com



SZSAR-TRF-01-A01 Rev. A/0 May15.2023

Report No.: SZCR231100354504

Page: 22 of 47

SAR measurement variability and uncertainty

4.1 SAR measurement variability

Per KDB865664 D01 SAR measurement 100 MHz to 6 GHz v01r04, SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. The additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is remounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

- 1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.
- 2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.

The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's solide at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CND Doccheck@ass.com"



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 23 of 47

4.2 SAR measurement uncertainty

Per KDB865664 D01 SAR Measurement 100 MHz to 6 GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg, the extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. The equivalent ratio (1.5/1.6) is applied to extremity and occupational exposure conditions.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's solide at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CND Doccheck@ass.com"



SZSAR-TRF-01-A01 Rev. A/0 May15.2023

Report No.: SZCR231100354504

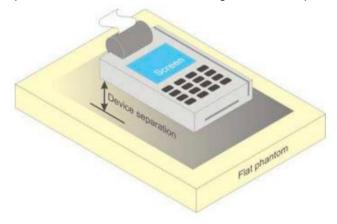
Page: 24 of 47

Description of Test Position 5

5.1 Extremity exposure conditions

Devices that are designed or intended for use on extremities, or mainly operated in extremity only exposure conditions, i.e., hands, wrists, feet and ankles, may require extremity SAR evaluation. When the device also operates in close proximity to the user's body, SAR compliance for the body is also required. The 1-g body and 10-g extremity SAR Test Exclusion Thresholds in 8.2 should be applied to determine SAR test requirements. When extremity SAR testing is required, a flat phantom must be used if the exposure condition is more conservative than the actual use conditions; otherwise, a KDB inquiry is required to determine the phantom and test requirements. Body SAR compliance is also tested with a flat phantom. For devices with irregular shapes or form factors that do not conform to a flat phantom, and/or unusual operating configurations and exposure conditions, a KDB inquiry is also required to determine the appropriate SAR measurement procedures. Unless it is specified differently in the published RF exposure KDB procedures, when simultaneous transmission applies to extremity exposure, the simultaneous transmission SAR test exclusion provisions should be applied. When simultaneous transmission SAR measurement is required, the enlarged zoom scan and volume scan postprocessing procedures in KDB Publication 865664 D01 should be applied.

SAR can test the sides near the antenna, the surface of the device should be tested for SAR compliance with the device touching the phantom. The SAR Exclusion Threshold in KDB 447498 D04 can be applied to determine SAR test exclusion for adjacent edge configurations. The closest distance from the antenna to an adjacent device surface is used to determine if SAR testing is required for the adjacent surfaces, with the adjacent surface positioned against the phantom and the surface containing the antenna positioned perpendicular to the phantom.



F-1. Test positions for hand-held supported devices



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's solide at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CND Doccheck@ass.com"



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

25 of 47 Page:

SAR System Verification Procedure

6.1 Tissue Simulate Liquid

6.1.1 Recipes for Tissue Simulate Liquid

The bellowing tables give the recipes for tissue simulating liquids to be used in different frequency bands:

Ingredients	Frequency (MHz)											
(% by weight)	45	450		835		915		1900		50		
Tissue Type	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body		
Water	38.56	51.16	41.45	52.4	41.05	56.0	54.9	40.4	62.7	73.2		
Salt (NaCl)	3.95	1.49	1.45	1.4	1.35	0.76	0.18	0.5	0.5	0.04		
Sugar	56.32	46.78	56.0	45.0	56.5	41.76	0.0	58.0	0.0	0.0		
HEC	0.98	0.52	1.0	1.0	1.0	1.21	0.0	1.0	0.0	0.0		
Bactericide	0.19	0.05	0.1	0.1	0.1	0.27	0.0	0.1	0.0	0.0		
Triton X-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.8	0.0		
DGBE	0.0	0.0	0.0	0.0	0.0	0.0	44.92	0.0	0.0	26.7		
Dielectric Constant	43.42	58.0	42.54	56.1	42.0	56.8	39.9	54.0	39.8	52.5		
Conductivity (S/m)	0.85	0.83	0.91	0.95	1.0	1.07	1.42	1.45	1.88	1.78		

HSL5GHz is composed of the following ingredients:

Water: 50-65% Mineral oil: 10-30% Emulsifiers: 8-25% Sodium salt: 0-1.5%

MSL5GHz is composed of the following ingredients:

Water: 64-78% Mineral oil: 11-18% Emulsifiers: 9-15% Sodium salt: 2-3%



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's solide at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CND Doccheck@ass.com"



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 26 of 47

6.1.2 Test Liquids Confirmation

Simulated tissue liquid parameter confirmation

The dielectric parameters were checked prior to assessment using the SPEAG DAK3.5 dielectric probe kit. The dielectric parameters measured are reported in each correspondent section.

IEEE SCC-34/SC-2 P1528 recommended tissue dielectric parameters

The head tissue dielectric parameters recommended by the IEEE SCC-34/SC-2 in P1528 have been incorporated in the following table. These head parameters are derived from planar layer models simulating the highest expected SAR for the dielectric properties and tissue thickness variations in a human head. Other head and body tissue parameters that have not been specified in P1528 are derived from the tissue dielectric parameters computed from the 4-Cole-Cole equations and extrapolated according to the head parameters specified in P1528

Target Frequency	He	ad	Во	ody
(MHz)	٤ _r	σ (S/m)	ϵ_{r}	σ (S/m)
150	52.3	0.76	61.9	0.80
300	45.3	0.87	58.2	0.92
450	43.5	0.87	56.7	0.94
835	41.5	0.90	55.2	0.97
900	41.5	0.97	55.0	1.05
915	41.5	0.98	55.0	1.06
1450	40.5	1.20	54.0	1.30
1610	40.3	1.29	53.8	1.40
1800-2000	40.0	1.40	53.3	1.52
2450	39.2	1.80	52.7	1.95
3000	38.5	2.40	52.0	2.73
5800	35.3	5.27	48.2	6.00

(ε_r = relative permittivity, σ = conductivity and ρ = 1000 kg/m³)



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's solide at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CND Doccheck@ass.com"



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 27 of 47

6.1.3 Measurement for Tissue Simulate Liquid

The dielectric properties for this Tissue Simulate Liquids were measured by using the SPEAG DAK3.5 dielectric probe kit in conjunction with Agilent Network Analyzer (300 KHz-8500 MHz). The Conductivity (σ) and Permittivity (p) are listed in bellow table. For the SAR measurement given in this report. The temperature variation of the Tissue Simulate Liquids was 22±2°C.

	Measurement for Tissue Simulate Liquid											
1 155UE	Measured Frequency	Measured Tissue		d Tissue Target Tissue (±5%) Deviation (Within ±5%)		sured Tissue Target Tissue (±5%)		Liquid Temp.	Test Date			
Туре	(MHz)	٤r	σ(S/m)	٤r	σ(S/m)	٤r	σ(S/m)	(℃)				
835 Head	835	43.300	0.893	41.50	0.90	4.34%	-0.78%	22.0	2023/11/23			
2600 Head	2600	40.000	1.970	39.00	1.96	2.56%	0.51%	21.8	2023/11/22			



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's solide at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CND Doccheck@ass.com"



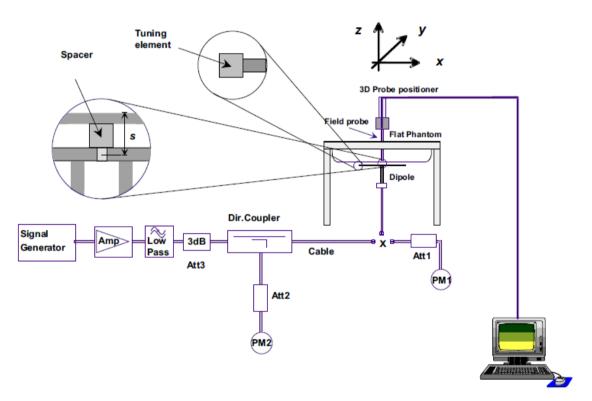
SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 28 of 47

6.2 SAR System Check

The microwave circuit arrangement for system check is sketched in bellow figure. The daily system accuracy verification occurs within the flat section of the SAM 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 EUT. The obtained results from the system accuracy verification are displayed in the following table. During the tests, the ambient temperature of the laboratory was in the range 22±2°C, the relative humidity was in the range 60% and the liquid depth above the ear reference points was above 15 cm 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.



F-2. the microwave circuit arrangement used for SAR system verification



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's solide at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CND Doccheck@ass.com"



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

29 of 47 Page:

6.2.1 Justification for Extended SAR Dipole Calibrations

- 1) Referring to KDB865664 D01 requirements for dipole calibration, instead of the typical annual calibration recommended by measurement standards, longer calibration intervals of up to three years may be considered when it is demonstrated that the SAR target, impedance and return loss of a dipole have remain stable according to the following requirements. Each measured dipole is expected to evaluate with the following criteria at least on annual interval in Appendix C.
- a) There is no physical damage on the dipole;
- b) System check with specific dipole is within 10% of calibrated value;
- c) Return-loss is within 10% of calibrated measurement;
- d) Impedance is within 5Ω from the previous measurement.
- 2) Network analyzer probe calibration against air, distilled water and a shorting block performed before measuring liquid parameters.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's solide at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CND Doccheck@ass.com"



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 30 of 47

6.2.2 Summary System Check Result(s)

	SAR System Validation Result(s)										
Validatio		Measured SAR 250mW	250mW 250mW (normalized normalized to 1W) to 1W (Within ±10%)					Liquid Temp. (°C)	Test Date		
		1g (W/kg)	10g (W/kg)	1g (W/kg)	10g (W/kg)	1-g(W/kg)	10-g(W/kg)	1- g(W/kg)	1- 10- g(W/kg)g(W/kg)		
D835V2	Head	2.50	1.66	10.00	6.64	9.53	6.29	4.93%	5.56%	22.0	2023/11/23
D2600V2	Head	14.10	6.35	56.40	25.40	57.70	25.80	-2.25%	-1.55%	21.8	2023/11/22

6.2.3 Detailed System Check Results

Please see the Appendix A





SZSAR-TRF-01-A01 Rev. A/0 May15.2023

Report No.: SZCR231100354504

Page: 31 of 47

Test Configuration

Operation Configurations

Establishing connections with base station simulators ensure a consistent means for testing SAR and are recommended for evaluating SAR. The R&S CMW500 was used for LTE output power measurements and SAR testing. Max power control was used so the UE transmits with maximum output power during SAR testing. SAR must be measured with the maximum TTI (transmit time interval) supported by the device in each LTE configuration.

TDD LTE test consideration

For Time-Division Duplex (TDD) systems, SAR must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP LTE TDD configurations.

SAR was tested with the highest transmission duty factor (63.33%) using Uplink-downlink configuration 0 and Special subframe configuration 7.

LTE TDD Band support 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplinkdownlink configurations and Table 4.2-1 for Special subframe configurations. Frame structure type 2:

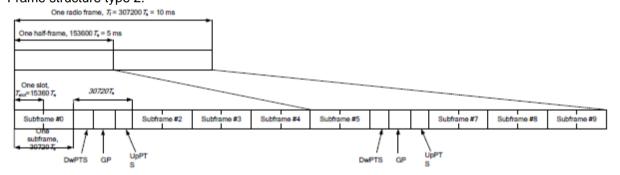


Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS).

0	Norn	nal cyclic prefix in	downlink	Extended cyclic prefix in downlink			
Special subframe	DwPTS	Up	PTS	DwPTS	Up	PTS	
configuration		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink	
0	6592.Ts			7680.Ts			
1	19760.Ts			20480.Ts			
2	21952.Ts	2192.Ts	2560.Ts	23040.Ts	2192.Ts	2560.Ts	
3	24144.Ts	2.02.70	2000110	25600.Ts			
4	26336.Ts			7680.Ts			
5	6592.Ts			20480.Ts	4384.Ts	5120.Ts	
6	19760.Ts	4384.Ts	5120.Ts	23040.Ts			



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's solide at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CND Doccheck@ass.com"

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Sherzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 32 of 47

7	21952.Ts		25600.Ts		
8	24144.Ts		-	-	-
9	13168.Ts		-	-	-

Table 4.2-2: Uplink-downlink configurations.

Uplink-downlink	Downlink-to-				St	ubframe	e numb	er			
configuration	Uplink Switch- point periodicity	0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	0	D	S	U	U	С
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

Calculated Duty Cycle=[Extended cyclic prefix in uplink x (Ts) x # of S + # of U]/10ms

iodiated Bat	diated buty Cycle=[Extended Cyclic prefix in uplink x (13) x # 01 3 + # 01 0 / 101115											
Uplink- Downlink Configurat	I Inlink Switch-		Subframe Number								Calculated Duty Cycle (%)	
ion	,	0	1	2	3	4	5	6	7	8	9	, ,
0	5 ms	D	S	U	U	U	D	S	U	U	J	63.33
1	5 ms	D	S	U	U	D	D	S	U	U	D	43.33
2	5 ms	D	S	U	D	D	D	S	U	D	D	23.33
3	10 ms	D	S	U	U	U	D	D	D	D	D	31.67
4	10 ms	D	S	U	U	D	D	D	D	D	D	21.67
5	10 ms	D	S	U	D	D	D	D	D	D	D	11.67
6	5 ms	D	S	U	U	U	D	S	U	U	D	53.33

A) Spectrum Plots for RB Configurations

A properly configured base station simulator was used for SAR tests and power measurements. Therefore, spectrum plots for RB configurations were not required to be included in this report.

B) MPR

MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36.101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.

Modulation	Cha	Channel bandwidth / Transmission bandwidth (N _{RB})										
	1.4	1.4 3.0 5 10 15 20										
	MHz	MHz	MHz	MHz	MHz	MHz						
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1					
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1					
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2					



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's solide at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CND Doccheck@ass.com"



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 33 of 47

C) A-MPR

A-MPR (Additional MPR) has been disabled for all SAR tests by setting NS=01 on the base station simulator.

D) Largest channel bandwidth standalone SAR test requirements

1) QPSK with 1 RB allocation

Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel. When the measured SAR is ≤ 1.0 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the measured SAR of a required test channel is > 1.80 W/kg, SAR is required for all three RB offset configurations for that required test channel.

2) QPSK with 50% RB allocation

For QPSK with 50% RB allocation, SAR is only required measure for the worst case of 1RB allocation used the highest maximum output power.

3) QPSK with 100% RB allocation

For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest measured SAR for 1 RB and 50% RB allocation in 1) and 2) are ≤ 1.0 W/kg. Otherwise, SAR is measured for the highest output power channel and if the measured SAR is > 1.80 W/kg, the remaining required test channels must also be tested.

4) Higher order modulations

For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in above sections to determine the QAM configurations that may need SAR measurement. For each configuration identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is > ½ dB higher than the same configuration in QPSK or when the measured SAR for the QPSK configuration is > 1.80 W/kg.

E) Other channel bandwidth standalone SAR test requirements

For the other channel bandwidths used by the device in a frequency band, apply all the procedures required for the largest channel bandwidth in section A) to determine the channels and RB configurations that need SAR testing and only measure SAR when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is > ½ dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the measured SAR of a configuration for the largest channel bandwidth is > 1.80 W/kg.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's solide at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CND Doccheck@ass.com"



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 34 of 47

8 Measurement RF Conducted Power

8.1.1 Conducted Power Of LTE

	LTE Ba	and 5			Conducted	Power(dBm)	
				Channel	Channel	Channel	_
Bandwidth	Modulation	RB size	RB offset	20407	20525	20643	Tune up
		1	0	23.67	24.29	24.05	25.50
		1	2	23.60	24.20	23.86	25.50
		1	5	23.74	24.21	23.93	25.50
	QPSK	3	0	23.63	24.20	23.91	24.50
		3	2	23.64	24.17	23.89	24.50
		3	3	23.66	24.13	23.92	24.50
1.4MHz		6	0	22.84	23.29	22.94	24.50
1.411172		1	0	23.04	23.37	23.04	24.50
		1	2	22.99	23.30	22.94	24.50
		1	5	23.03	23.39	22.94	24.50
	16QAM	3	0	22.85	23.39	23.16	23.50
		3	2	22.86	23.37	23.19	23.50
		3	3	22.83	23.34	23.14	23.50
		6	0	21.82	22.27	22.03	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
	oaa.ao	. 12 0.20	112 0001	20415	20525	20635	. ао ар
		1	0	23.85	24.36	24.11	25.50
		1	7	23.84	24.36	24.10	25.50
	QPSK	1	14	23.88	24.23	24.02	25.50
		8	0	23.03	23.52	23.13	24.50
		8	4	22.98	23.50	23.15	24.50
		8	7	23.04	23.44	23.05	24.50
3MHz		15	0	23.04	23.48	23.12	24.50
311112		1	0	23.42	23.59	23.12	24.50
		1	7	23.46	23.64	23.14	24.50
		1	14	23.46	23.52	22.99	24.50
	16QAM	8	0	22.19	22.53	22.22	23.50
		8	4	22.23	22.52	22.22	23.50
		8	7	22.23	22.46	22.15	23.50
		15	0	22.14	22.48	22.20	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
	occidion		. 12 311001	20425	20525	20625	. со ср
		1	0	23.93	24.32	24.19	25.50
		1	13	24.04	24.40	24.14	25.50
5MHz	QPSK	1	24	24.03	24.25	23.97	25.50
JIIII IZ	Qi Oit	12	0	23.07	23.53	23.24	24.50
		12	6	23.17	23.61	23.28	24.50
		12	13	23.17	23.47	23.15	24.50



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's sindings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN. Doccheck@ass.com"

or email: CN.Doccheck@sgs.com

No.1 Workshop, N°In, Midde Section, Science & Technology Part, Narshan District, Shenzhan, Gasegotong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10株1号厂房 邮编: 518057 t (86–755) 26012053 f (86–755) 26710594 sgs.china@sgs.com



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 35 of 47

		25	0	23.12	23.53	23.18	24.50
		1	0	22.86	23.62	23.31	24.50
		1	13	23.01	23.76	23.28	24.50
		1	24	23.04	23.60	23.06	24.50
	16QAM	12	0	22.06	22.57	22.25	23.50
		12	6	22.16	22.64	22.31	23.50
		12	13	22.16	22.51	22.18	23.50
		25	0	22.15	22.52	22.31	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun
bandwidth	iviodulation	RD SIZE	RD Ollset	20450	20525	20600	Tune up
	QPSK	1	0	23.81	24.16	24.27	25.50
		1	25	24.13	24.36	24.17	25.50
		1	49	24.09	24.14	23.93	25.50
		25	0	22.97	23.30	23.23	24.50
		25	13	23.24	23.52	23.25	24.50
		25	25	23.24	23.31	23.08	24.50
10MHz		50	0	23.12	23.40	23.10	24.50
IUWINZ		1	0	23.32	23.38	23.30	24.50
		1	25	23.73	23.62	23.27	24.50
		1	49	23.68	23.30	22.89	24.50
	16QAM	25	0	22.06	22.40	22.28	23.50
		25	13	22.33	22.58	22.34	23.50
		25	25	22.25	22.37	22.17	23.50
		50	0	22.18	22.46	22.15	23.50

	LTE Ba	and 7			Conducted	Power(dBm)	
Barrahadalah	NA - shall a Care	DD -:	DD -#1	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	20775	21100	21425	Tune up
		1	0	23.68	23.64	23.64	24.50
		1	13	23.59	23.60	23.50	24.50
		1	24	23.51	23.73	23.48	24.50
	QPSK	12	0	22.99	23.14	23.43	23.50
		12	6	22.84	22.82	22.86	23.50
		12	13	22.80	22.65	22.63	23.50
5MHz		25	0	22.67	22.60	22.81	23.50
SIVITZ		1	0	22.89	22.78	22.69	23.50
		1	13	22.87	23.02	23.06	23.50
		1	24	22.44	22.16	22.09	23.50
	16QAM	12	0	21.99	22.29	21.20	22.50
		12	6	21.73	21.90	21.79	22.50
		12	13	21.38	21.62	21.59	22.50
		25	0	21.03	21.82	21.54	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Danuwiath	iviodulation	ND SIZE	KD Ollset	20800	21100	21400	rune up
10MHz	QPSK	1	0	23.66	23.67	23.64	24.50



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's sindings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN. Doccheck@ass.com"



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 36 of 47

	1	1	25	23.62	23.61	23.51	24.50
		1	49	23.55	23.71	23.50	24.50
		25	0	23.03	23.11	23.44	23.50
		25	13	22.92	22.89	22.85	23.50
		25	25	22.80	22.70	22.65	23.50
		50	0	22.63	22.60	22.75	23.50
		1	0	22.88	22.74	22.74	23.50
		1	25	22.84	22.95	23.09	23.50
		1	49	22.42	22.22	22.15	23.50
	16QAM	25	0	21.95	22.25	21.28	22.50
		25	13	21.70	21.87	21.72	22.50
		25	25	21.31	21.62	21.61	22.50
		50	0	21.02	21.81	21.47	22.50
Dan duvi dth	Madulation	DD eine	DD -#	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	20825	21100	21375	Tune up
		1	0	23.61	23.67	23.66	24.50
		1	38	23.56	23.66	23.53	24.50
		1	74	23.53	23.73	23.48	24.50
	QPSK	36	0	22.95	23.15	23.36	23.50
		36	18	22.93	22.87	22.79	23.50
		36	39	22.78	22.67	22.63	23.50
15MHz		75	0	22.71	22.62	22.82	23.50
ISIVINZ		1	0	22.82	22.69	22.72	23.50
		1	38	22.88	23.00	23.15	23.50
	16QAM	1	74	22.42	22.17	22.11	23.50
		36	0	21.96	22.23	21.20	22.50
		36	18	21.69	21.94	21.73	22.50
		36	39	21.31	21.62	21.60	22.50
		75	0	21.02	21.78	21.48	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun
Danuwium	Wodulation	KD SIZE	KD Ollset	20850	21100	21350	Tune up
		1	0	23.64	23.69	23.62	24.50
		1	50	23.59	23.62	23.51	24.50
		1	99	23.53	23.68	23.45	24.50
	QPSK	50	0	22.98	23.13	22.94	23.50
		50	25	22.89	22.84	22.84	23.50
		50	50	22.78	22.68	22.64	23.50
20MHz		100	0	22.68	22.64	22.78	23.50
201411 12		1	0	22.86	22.69	22.74	23.50
		1	50	22.85	22.97	23.11	23.50
		1	99	22.42	22.17	22.14	23.50
	16QAM	50	0	21.98	22.27	21.24	22.50
		50	25	21.68	21.89	21.75	22.50
		50	50	21.36	21.60	21.62	22.50
		100	0	21.00	21.81	21.50	22.50



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's sindings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN. Doccheck@ass.com"



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 37 of 47

	LTE Ba	nd 38		Conducted Power(dBm)						
Danish dalah	Madulation	DD -'	DD - #	Channel	Channel	Channel	T			
Bandwidth	Modulation	RB size	RB offset	37775	38000	38225	Tune up			
		1	0	23.42	23.05	23.07	24.50			
		1	13	23.27	23.52	23.49	24.50			
		1	24	23.54	23.23	23.34	24.50			
	QPSK	12	0	22.54	22.32	23.14	23.50			
		12	6	22.82	22.68	23.38	23.50			
		12	13	22.72	22.93	22.92	23.50			
5MHz		25	0	22.65	22.56	22.25	23.50			
SIVITZ		1	0	22.20	22.39	22.30	23.50			
		1	13	22.87	22.92	23.45	23.50			
		1	24	22.63	22.76	22.71	23.50			
	16QAM	12	0	21.81	21.45	21.63	22.50			
		12	6	21.91	21.78	22.02	22.50			
		12	13	21.91	22.09	22.12	22.50			
		25	0	21.79	21.75	22.02	22.50			
Donalusialth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun			
Bandwidth	Modulation	RD SIZE	RD Ollset	37800	38000	38200	Tune up			
		1	0	23.48	22.95	23.00	24.50			
		1	25	23.26	23.54	23.51	24.50			
		1	49	23.42	23.23	23.32	24.50			
	QPSK	25	0	22.53	22.26	23.23	23.50			
		25	13	22.79	22.62	23.33	23.50			
		25	25	22.72	22.88	22.98	23.50			
10MHz		50	0	22.63	22.60	22.25	23.50			
IONITZ		1	0	22.19	22.41	22.35	23.50			
		1	25	22.86	22.83	23.43	23.50			
		1	49	22.69	22.73	22.78	23.50			
	16QAM	25	0	21.71	21.40	21.64	22.50			
		25	13	21.90	21.85	22.08	22.50			
		25	25	21.83	22.02	22.16	22.50			
		50	0	21.80	21.68	22.01	22.50			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up			
Danuwium	Modulation	ND SIZE	KB oliset	37825	38000	38175	rune up			
		1	0	23.42	22.99	22.95	24.50			
		1	38	23.17	23.53	23.50	24.50			
		1	74	23.53	23.19	23.26	24.50			
	QPSK	36	0	22.56	22.33	23.17	23.50			
		36	18	22.80	22.68	23.44	23.50			
15MHz		36	39	22.67	22.94	22.87	23.50			
		75	0	22.64	22.54	22.27	23.50			
		1	0	22.26	22.39	22.38	23.50			
	16QAM	1	38	22.85	22.88	23.40	23.50			
	IOQAW	1	74	22.69	22.74	22.71	23.50			
		36	0	21.76	21.33	21.66	22.50			



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's sindings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN. Doccheck@ass.com"

or email: <u>CN. Doccheck@sgs.com</u>
No. Wortshop, N-II, Midds Section, Science & Technology Part, Manshan District, Sherzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国・广东・深圳市南山区科技园中区№ 10年15月 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 38 of 47

		36	18	21.88	21.81	21.99	22.50
		36	39	21.90	22.00	22.21	22.50
		75	0	21.83	21.64	22.00	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Danuwium	Wiodulation	RD SIZE	KD Ollset	37850	38000	38150	Tune up
		1 0		23.46	23.00	23.01	24.50
		1	50	23.21	23.57	23.61	24.50
	QPSK	1	99	23.48	23.22	23.29	24.50
		50	0	22.58	22.27	23.17	23.50
		50	25	22.84	22.66	23.38	23.50
		50	50	22.72	22.89	22.93	23.50
20MHz		100	0	22.67	22.60	22.28	23.50
20141112		1	0	22.24	22.36	22.34	23.50
		1	50	22.91	22.89	23.41	23.50
		1	99	22.68	22.77	22.75	23.50
	16QAM	50	0	21.77	21.39	21.68	22.50
		50	25	21.94	21.79	22.03	22.50
		50	50	21.88	22.06	22.17	22.50
		100	0	21.81	21.70	22.03	22.50

	LTE Band 41	2535~2675		Conducted Power(dBm)							
Danish dalah	Marshala Cara	DD -'	DD - #1	Channel	Channel	Channel	Channel	T			
Bandwidth	Modulation	RB size	RB offset	40065	40448	40832	41215	Tune up			
		1	0	23.43	23.49	22.99	22.91	24.50			
		1	13	23.17	23.63	23.14	23.04	24.50			
		1	24	23.33	23.56	23.29	23.51	24.50			
	QPSK	12	0	22.59	22.73	22.72	22.45	23.50			
		12	6	22.59	23.03	22.36	23.08	23.50			
		12	13	22.69	22.90	22.65	22.26	23.50			
ENILI-		25	0	22.49	22.81	22.36	22.28	23.50			
5MHz	16QAM	1	0	22.68	22.46	22.25	22.40	23.50			
		1	13	22.80	22.81	22.13	22.52	23.50			
		1	24	22.16	22.78	22.62	22.37	23.50			
		16QAM	12	0	21.62	21.93	21.24	21.36	22.50		
			12	6	21.85	22.15	21.48	21.47	22.50		
		12	13	21.44	22.08	21.53	21.41	22.50			
		25	0	21.49	22.09	21.32	21.82	22.50			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tung up			
Danawiani	iviodulation	KD SIZE	KD Ollset	40090	40457	40823	41190	Tune up			
		1	0	23.54	23.69	22.84	22.86	24.50			
		1	25	23.16	23.84	23.10	23.08	24.50			
		1	49	23.33	23.69	23.11	23.35	24.50			
10MHz	QPSK	25	0	22.73	22.78	22.56	22.65	23.50			
		25	13	22.80	22.98	22.39	23.21	23.50			
		25	25	22.67	22.94	22.65	22.15	23.50			
		50	0	22.69	22.84	22.18	22.42	23.50			



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's sindings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN. Doccheck@ass.com"



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 39 of 47

		1	0	22.66	22.42	22.06	22.37	23.50
		1	25	22.74	22.70	21.97	22.55	23.50
		1	49	22.19	22.92	22.67	22.43	23.50
	16QAM	25	0	21.69	21.85	21.26	21.35	22.50
		25	13	21.87	22.13	21.52	22.40	22.50
		25	25	21.47	22.02	21.65	21.64	22.50
		50	0	21.69	21.96	21.41	21.78	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
Danuwium	iviodulation	KD SIZE	KB Oliset	40115	40465	40815	41165	Turie up
		1	0	23.31	23.59	22.96	22.79	24.50
		1	38	23.20	23.83	23.20	23.03	24.50
		1	74	23.26	23.78	23.32	23.37	24.50
	QPSK	36	0	22.60	22.94	22.64	22.61	23.50
		36	18	22.65	22.96	22.40	23.08	23.50
		36	39	22.66	22.86	22.69	22.11	23.50
45841-		75	0	22.70	22.86	22.18	22.42	23.50
15MHz		1	0	22.85	22.57	22.17	22.32	23.50
		1	38	22.83	22.87	21.94	22.58	23.50
		1	74	22.17	22.84	22.67	22.32	23.50
	16QAM	36	0	21.70	22.02	21.36	21.51	22.50
		36	18	21.76	22.11	21.47	22.44	22.50
		36	39	21.42	22.06	21.53	21.43	22.50
		75	0	21.53	21.91	21.32	21.74	22.50
Donalusialth	Madulation	DD size	DD offeet	Channel	Channel	Channel	Channel	Tungun
Bandwidth	Modulation	RB size	RB offset	40140	40473	40807	41140	Tune up
		1	0	23.46	23.63	22.99	22.87	24.50
		1	50	23.21	23.75	23.11	23.12	24.50
		1	99	23.37	23.69	23.23	23.43	24.50
	QPSK	50	0	22.73	22.86	22.69	22.58	23.50
		50	25	22.74	23.08	22.47	23.15	23.50
		50	50	22.67	22.87	22.61	22.25	23.50
001411		100	0	22.61	22.92	22.31	22.43	23.50
20MHz		1	0	22.81	22.51	22.17	22.45	23.50
		1	50	22.76	22.78	22.08	22.54	23.50
		1	99	22.15	22.93	22.73	22.41	23.50
	16QAM	50	0	21.70	21.96	21.38	21.43	22.50
		50	25	21.78	22.14	21.50	22.42	22.50
		50	50	21.54	22.00	21.58	21.56	22.50
		100	0	21.63	22.04	21.42	21.85	22.50



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's sindings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN. Doccheck@ass.com"



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 40 of 47

8.2 Measurement of SAR Data

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph Results refer to Appendix B
- 2) Per FCC KDB Publication 447498 D04, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg (2.0W/kg for 10g) then testing at the other channels is not required for such test configuration(s).
- 3) "*" is repeated measurement.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's solide at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CND Doccheck@ass.com"



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 41 of 47

8.2.1 SAR Result Of LTE Band 5

				LTE Ba	nd 5 SAF	R Test R	ecord							
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)			Scaled SAR 10- g (W/kg)	Liquid Temp.(℃)			
			Lin	nbs Test	data (Se	parate 0	mm 1RB)							
Front side														
Back side	10	QPSK 1_25	20525/836.5	1:1	0.596	-0.02	24.36	25.50	1.300	0.775	21.8			
Left side	10	QPSK 1_25	20525/836.5	1:1	0.618	-0.10	24.36	25.50	1.300	0.804	21.8			
Right side	10	QPSK 1_25	20525/836.5	1:1	0.190	0.04	24.36	25.50	1.300	0.247	21.8			
Top side	10	QPSK 1_25	20525/836.5	1:1	0.020	0.01	24.36	25.50	1.300	0.026	21.8			
Bottom side	10	QPSK 1_25	20525/836.5	1:1	0.602	0.02	24.36	25.50	1.300	0.783	21.8			
			Limb	s Test d	ata (Sepa	arate 0m	m 50%RB)							
Front side	10	QPSK 25_13	20525/836.5	1:1	0.244	-0.07	23.52	24.50	1.253	0.306	21.8			
Back side	10	QPSK 25_13	20525/836.5	1:1	0.490	-0.02	23.52	24.50	1.253	0.614	21.8			
Left side	10	QPSK 25_13	20525/836.5	1:1	0.490	0.01	23.52	24.50	1.253	0.614	21.8			
Right side	10	QPSK 25_13	20525/836.5	1:1	0.154	0.02	23.52	24.50	1.253	0.193	21.8			
Top side	10	QPSK 25_13	20525/836.5	1:1	0.016	0.03	23.52	24.50	1.253	0.020	21.8			
Bottom side	10	QPSK 25_13	20525/836.5	1:1	0.487	-0.01	23.52	24.50	1.253	0.610	21.8			



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's sindings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN. Doccheck@ass.com"



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 42 of 47

8.2.2 SAR Result Of LTE Band 7

				LTE Ba	and 7 SA	R Test R	ecord							
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)		Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)			
			Li	imbs Tes	t data (Se	parate 0	mm 1RB)							
Front side														
Back side	20	QPSK 1_0	21100/2535	1:1	0.915	-0.02	23.69	24.50	1.205	1.103	22			
Left side	20	QPSK 1_0	21100/2535	1:1	1.230	-0.06	23.69	24.50	1.205	1.482	22			
Right side	20	QPSK 1_0	21100/2535	1:1	0.084	0.01	23.69	24.50	1.205	0.101	22			
Top side	20	QPSK 1_0	21100/2535	1:1	0.031	-0.04	23.69	24.50	1.205	0.037	22			
Bottom side	20	QPSK 1_0	21100/2535	1:1	0.351	0.02	23.69	24.50	1.205	0.423	22			
			Lim	nbs Test o	data (Sep	arate 0m	m 50%RB)							
Front side	20	QPSK 50_0	21100/2535	1:1	0.098	-0.07	23.13	23.50	1.089	0.107	22			
Back side	20	QPSK 50_0	21100/2535	1:1	0.715	0.12	23.13	23.50	1.089	0.779	22			
Left side	20	QPSK 50_0	21100/2535	1:1	0.945	-0.17	23.13	23.50	1.089	1.029	22			
Right side	20	QPSK 50_0	21100/2535	1:1	0.062	0.01	23.13	23.50	1.089	0.068	22			
Top side	20	QPSK 50_0	21100/2535	1:1	0.022	0.01	23.13	23.50	1.089	0.024	22			
Bottom side	20	QPSK 50_0	21100/2535	1:1	0.254	0.03	23.13	23.50	1.089	0.277	22			



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's sindings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN. Doccheck@ass.com"



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 43 of 47

8.2.3 SAR Result Of LTE Band 38

				LTE Ban	d 38 SAI	R Test R	ecord						
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)		Scaled factor		Liquid Temp.(℃)		
			Lin	nbs Test	data (Se _l	oarate 0r	nm 1RB)						
Front side	Front side 20 QPSK 1_50 38150/2610 1:1.58 0.089 0.02 23.61 24.50 1.227 0.109 21.6												
Back side	20	QPSK 1_50	38150/2610	1:1.58	0.628	-0.03	23.61	24.50	1.227	0.771	21.6		
Left side	20	QPSK 1_50	38150/2610	1:1.58	0.677	-0.02	23.61	24.50	1.227	0.831	21.6		
Right side	20	QPSK 1_50	38150/2610	1:1.58	0.043	0.02	23.61	24.50	1.227	0.053	21.6		
Top side	20	QPSK 1_50	38150/2610	1:1.58	0.010	-0.03	23.61	24.50	1.227	0.012	21.6		
Bottom side	20	QPSK 1_50	38150/2610	1:1.58	0.176	0.01	23.61	24.50	1.227	0.216	21.6		
			Limb	s Test d	ata (Sepa	rate 0mr	m 50%RB)						
Front side	20	QPSK 50_25	38150/2610	1:1.58	0.072	0.06	23.38	23.50	1.028	0.074	21.6		
Back side	20	QPSK 50_25	38150/2610	1:1.58	0.464	0.02	23.38	23.50	1.028	0.477	21.6		
Left side	20	QPSK 50_25	38150/2610	1:1.58	0.555	-0.02	23.38	23.50	1.028	0.571	21.6		
Right side	20	QPSK 50_25	38150/2610	1:1.58	0.037	0.04	23.38	23.50	1.028	0.038	21.6		
Top side	20	QPSK 50_25	38150/2610	1:1.58	0.008	0.02	23.38	23.50	1.028	0.008	21.6		
Bottom side	20	QPSK 50_25	38150/2610	1:1.58	0.143	0.05	23.38	23.50	1.028	0.147	21.6		



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's sindings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN. Doccheck@ass.com"



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 44 of 47

8.2.4 SAR Result Of LTE Band 41

				LTE Ban	d 41 SAI	R Test R	ecord						
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)		Scaled		Liquid Temp.(℃)		
			Lin	nbs Test	data (Se	parate 0r	nm 1RB)						
Front side	Front side 20 QPSK 1_50 40473/2578.3 1:1.58 0.100 -0.06 23.75 24.50 1.189 0.119 21.9												
Back side	20	QPSK 1_50	40473/2578.3	1:1.58	0.725	0.01	23.75	24.50	1.189	0.862	21.9		
Left side	20	QPSK 1_50	40473/2578.3	1:1.58	0.995	-0.06	23.75	24.50	1.189	1.183	21.9		
Right side	20	QPSK 1_50	40473/2578.3	1:1.58	0.052	0.01	23.75	24.50	1.189	0.062	21.9		
Top side	20	QPSK 1_50	40473/2578.3	1:1.58	0.016	0.07	23.75	24.50	1.189	0.019	21.9		
Bottom side	20	QPSK 1_50	40473/2578.3	1:1.58	0.233	0.04	23.75	24.50	1.189	0.277	21.9		
			Limb	s Test d	ata (Sepa	arate 0mi	m 50%RB)						
Front side	20	QPSK 50_25	41140/2645	1:1.58	0.125	-0.12	23.15	23.50	1.084	0.135	21.9		
Back side	20	QPSK 50_25	41140/2645	1:1.58	0.875	0.02	23.15	23.50	1.084	0.948	21.9		
Left side	20	QPSK 50_25	41140/2645	1:1.58	1.010	0.09	23.15	23.50	1.084	1.095	21.9		
Right side	20	QPSK 50_25	41140/2645	1:1.58	0.061	-0.04	23.15	23.50	1.084	0.066	21.9		
Top side	20	QPSK 50_25	41140/2645	1:1.58	0.012	0.01	23.15	23.50	1.084	0.013	21.9		
Bottom side	20	QPSK 50_25	41140/2645	1:1.58	0.254	0.03	23.15	23.50	1.084	0.275	21.9		



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's sindings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN. Doccheck@ass.com"



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 45 of 47

Equipment list 9

Test Platform	SPEAG DASY Professional				
Description	SAR Test System (Frequency range 300MHz-6GHz)				
Software Reference	cDASY8 V16.2.4.2524				
Hardware Reference					

50	Software Reference CDASY8 V16.2.4.2524							
Hardware Reference								
	Equipment	Manufacturer	Model	Serial Number	Calibration Date	Due date of calibration		
\boxtimes	Twin Phantom	SPEAG	SAM V8.0	2256	NCR	NCR		
\boxtimes	DAE	SPEAG	DAE4ip	1830	2023/09/12	2024/09/11		
	E-Field Probe	SPEAG	EX3DV4	7838	2023/09/11	2024/09/10		
\boxtimes	Validation Kits	SPEAG	D835V2	4d105	2022/11/02	2025/11/01		
\boxtimes	Validation Kits	SPEAG	D2600V2	1125	2022/06/14	2025/06/13		
\boxtimes	Dielectric parameter probes	SPEAG	DAKS-3.5	0005	2023/6/15	2024/6/14		
\boxtimes	Vector Network Analyzer and Vector Reflectometer	SPEAG	DAKS_VNA R140	0140913	2023/6/7	2024/6/6		
\boxtimes	Radio Communication Analyzer	Anritsu	MT8820C	6201381734	2023/05/25	2024/05/24		
\boxtimes	RF Bi-Directional Coupler	Agilent	86205-60001	MY31400031	NCR	NCR		
	Signal Generator	Agilent	N5171B	MY53050736	2023/02/16	2024/02/15		
	Preamplifier	Mini-Circuits	ZHL-42W	15542	NCR	NCR		
\boxtimes	Preamplifier	Compliance Directions Systems Inc.	AMP28-3W	073501433	NCR	NCR		
\boxtimes	Power Meter	Agilent	E4416A	GB41292095	2023/02/16	2024/02/15		
	Power Sensor	Agilent	8481H	MY41091234	2023/02/16	2024/02/15		
	Power Sensor	R&S	NRP-Z92	100025	2023/02/16	2024/02/15		
	Attenuator	SHX	TS2-3dB	30704	NCR	NCR		
\boxtimes	Speed reading thermometer	MingGao	T809	NA	2023/05/26	2024/05/25		

Note: All the equipments are within the valid period when the tests are performed. All measurement facilities used to collect the measurement data are located at

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China. 518057.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's solide at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CND Doccheck@ass.com"



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 46 of 47

10 Calibration certificate

Please see the Appendix C

11 **Photographs**

Please see the Appendix D



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's sindings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN. Doccheck@ass.com"



SZSAR-TRF-01-A01 Rev. A/0 May15,2023

Report No.: SZCR231100354504

Page: 47 of 47

Appendix A: Detailed System Check Results

Appendix B: Detailed Test Results

Appendix C: Calibration certificate

Appendix D: Photographs

---END---

